

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022118\
 Data File : BF103147.D
 Acq On : 21 Feb 2018 20:05
 Operator : SJ/JU
 Sample : J1619-01MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BUS-WASH-SLUDGE-PITMSD

Quant Time: Feb 22 00:37:43 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	162385	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	664433	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	275172	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	398972	20.00	ng	0.00
75) Chrysene-d12	14.05	240	265424	20.00	ng	0.00
86) Perylene-d12	15.54	264	218393	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	1121789	104.91	ng	0.02
7) Phenol-d6	6.52	99	1276056	99.11	ng	0.01
23) Nitrobenzene-d5	7.45	82	940240	98.17	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	259906	117.35	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1428377	86.13	ng	0.00
78) Terphenyl-d14	12.99	244	1050611	93.72	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.82	88	179774	34.040	ng	# 73
3) Pyridine	3.60	79	282525	19.362	ng	95
4) n-Nitrosodimethylamine	3.49	42	239324	38.335	ng	99
6) Aniline	6.55	93	99640	5.241	ng	# 85
8) 2-Chlorophenol	6.67	128	448722	40.763	ng	95
10) Phenol	6.53	94	507562	36.786	ng	99
11) bis(2-Chloroethyl)ether	6.62	93	462997	40.327	ng	92
12) 1,3-Dichlorobenzene	6.82	146	484781	38.029	ng	97
13) 1,4-Dichlorobenzene	6.90	146	483527	38.078	ng	99
14) 1,2-Dichlorobenzene	7.05	146	440778	37.267	ng	98
15) Benzyl Alcohol	7.02	79	371972	37.579	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.15	45	790361	36.239	ng	98
17) 2-Methylphenol	7.13	107	389118	38.322	ng	98
18) Hexachloroethane	7.39	117	158185	36.327	ng	92
19) n-Nitroso-di-n-propylamine	7.29	70	305004	35.931	ng	96
20) 3+4-Methylphenols	7.29	107	468138	37.386	ng	# 53
22) Acetophenone	7.29	105	598669	36.820	ng	# 92
24) Nitrobenzene	7.46	77	508229	45.110	ng	97
25) Isophorone	7.70	82	928634	42.106	ng	98
26) 2-Nitrophenol	7.78	139	246688	52.340	ng	97
27) 2,4-Dimethylphenol	7.82	122	419728	45.046	ng	99
28) bis(2-Chloroethoxy)methane	7.90	93	585359	44.803	ng	99
29) 2,4-Dichlorophenol	8.02	162	388522	45.868	ng	100
30) 1,2,4-Trichlorobenzene	8.10	180	370802	38.696	ng	99
31) Naphthalene	8.19	128	1270226	39.129	ng	100
32) Benzoic acid	7.97	122	420973	58.981	ng	99
33) 4-Chloroaniline	8.24	127	57345	4.101	ng	97
34) Hexachlorobutadiene	8.29	225	183022	37.273	ng	97
35) Caprolactam	8.61	113	109071	37.078	ng	# 73
36) 4-Chloro-3-methylphenol	8.72	107	421953	44.336	ng	99
37) 2-Methylnaphthalene	8.87	142	843003	39.664	ng	100
39) 1,2,4,5-Tetrachlorobenzene	9.04	216	321757	42.944	ng	99
40) Hexachlorocyclopentadiene	9.02	237	44491	12.491	ng	94
42) 2,4,6-Trichlorophenol	9.16	196	237481	48.256	ng	98

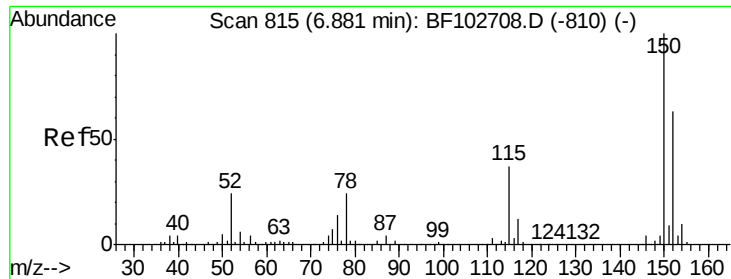
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.20	196	246725	44.481	nq	99
45) 1,1'-Biphenyl	9.34	154	954532	41.184	nq	99
46) 2-Chloronaphthalene	9.37	162	759298	41.613	nq	97
47) 2-Nitroaniline	9.46	65	292152	51.607	nq	88
48) Acenaphthylene	9.78	152	1122175	39.597	nq	99
49) Dimethylphthalate	9.64	163	982983	45.815	nq	99
50) 2,6-Dinitrotoluene	9.70	165	198036	48.515	nq	95
51) Acenaphthene	9.95	154	645289	38.074	nq	100
52) 3-Nitroaniline	9.87	138	60825	12.110	nq	93
53) 2,4-Dinitrophenol	9.99	184	47703	48.832	nq	# 19
54) Dibenzofuran	10.13	168	972062	40.698	nq	99
55) 4-Nitrophenol	10.05	139	283547	69.265	nq	95
56) 2,4-Dinitrotoluene	10.11	165	246720	45.254	nq	96
57) Fluorene	10.47	166	722615	41.583	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.25	232	171762	44.679	nq	97
59) Diethylphthalate	10.33	149	887077	41.872	nq	99
60) 4-Chlorophenyl-phenylether	10.46	204	331252	43.090	nq	99
61) 4-Nitroaniline	10.49	138	193023	40.374	nq	90
62) Azobenzene	10.62	77	834878	39.447	nq	97
64) 4,6-Dinitro-2-methylphenol	10.52	198	33881	26.618	nq	91
65) n-Nitrosodiphenylamine	10.57	169	663349	47.137	nq	99
66) 4-Bromophenyl-phenylether	10.95	248	195282	46.271	nq	97
67) Hexachlorobenzene	11.02	284	200331	43.028	nq	97
68) Atrazine	11.10	200	168120	40.495	nq	98
69) Pentachlorophenol	11.22	266	183959	67.308	nq	98
70) Phenanthrene	11.43	178	934245	42.045	nq	99
71) Anthracene	11.49	178	947206	41.912	nq	99
72) Carbazole	11.64	167	907980	41.009	nq	99
73) Di-n-butylphthalate	11.96	149	1270825	47.251	nq	99
74) Fluoranthene	12.62	202	863844	38.640	nq	98
76) Benzidine	12.74	184	102878	8.433	nq	97
77) Pyrene	12.85	202	878501	42.208	nq	100
79) Butylbenzylphthalate	13.46	149	486967	48.893	nq	98
80) Benzo(a)anthracene	14.04	228	763315	45.728	nq	99
81) 3,3'-Dichlorobenzidine	14.00	252	197090	31.844	nq	98
82) Chrysene	14.08	228	719336	42.749	nq	98
83) Bis(2-ethylhexyl)phthalate	14.01	149	670668	52.601	nq	# 99
84) Di-n-octyl phthalate	14.63	149	1120816	58.545	nq	99
85) Indeno(1,2,3-cd)pyrene	17.06	276	558692	40.032	nq	98
87) Benzo(b)fluoranthene	15.11	252	654872	46.251	nq	97
88) Benzo(k)fluoranthene	15.14	252	620162	45.839	nq	99
89) Benzo(a)pyrene	15.48	252	584620	45.870	nq	# 96
90) Dibenzo(a,h)anthracene	17.07	278	472603	45.685	nq	97
91) Benzo(g,h,i)perylene	17.52	276	460263	45.457	nq	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

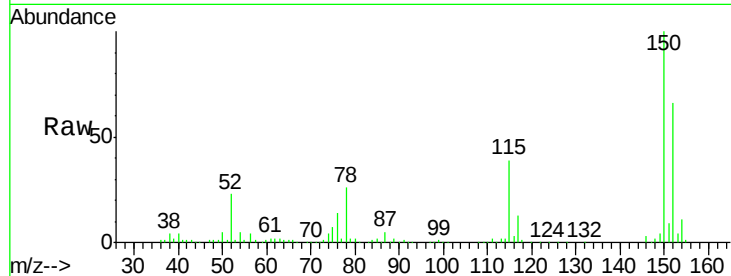


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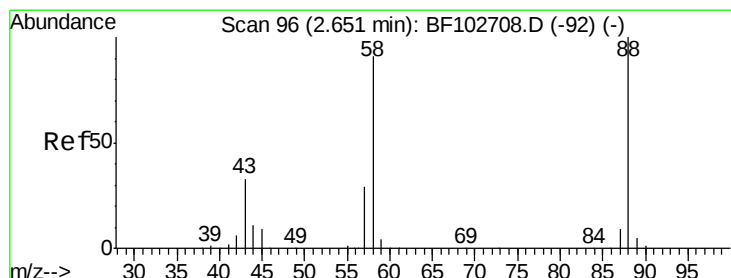
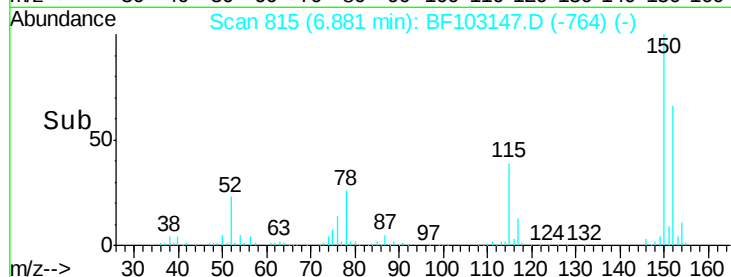
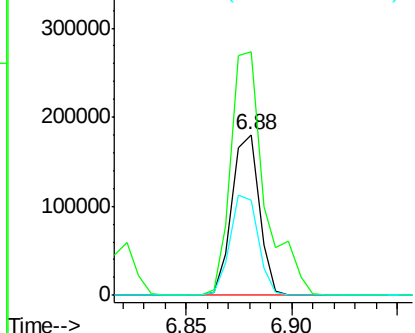
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

Instrument :
BNA_F
ClientSampleId :
BUS-WASH-SLUDGE-PITMSD

Tot Ion:152 Resp: 162385
Ion Ratio Lower Upper
152 100
150 151.6 124.6 186.8
115 59.4 50.1 75.1



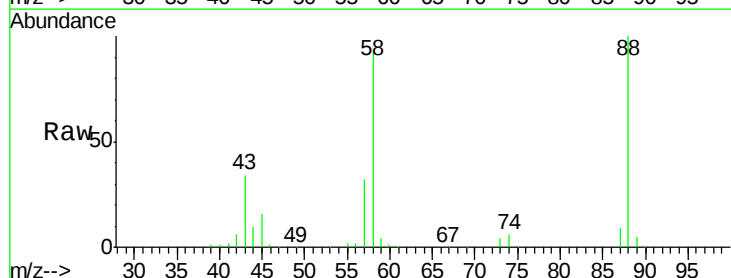
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



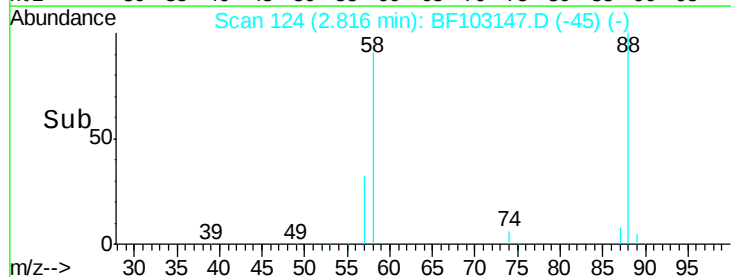
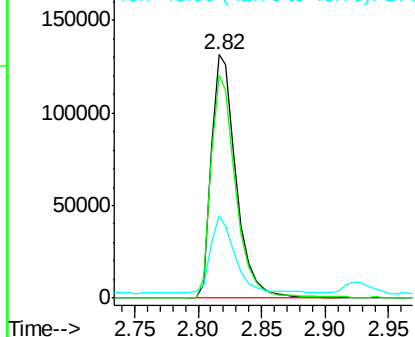
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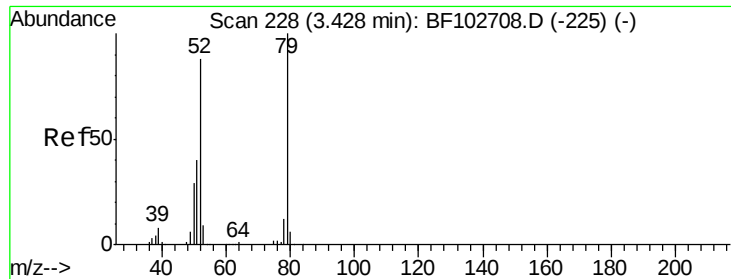
1,4-Dioxane
Concen: 34.040 ng
RT: 2.82 min Scan# 124
Delta R.T. 0.16 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

Tgt Ion: 88 Resp: 179774
Ion Ratio Lower Upper
88 100
58 92.0 62.6 93.8
43 0.0 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 19.362 ng

RT: 3.60 min Scan# 257

Delta R.T. 0.17 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

Instrument :

BNA_F

ClientSampleId :

BUS-WASH-SLUDGE-PITMSD

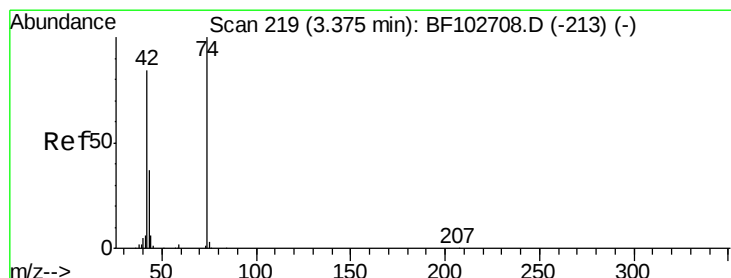
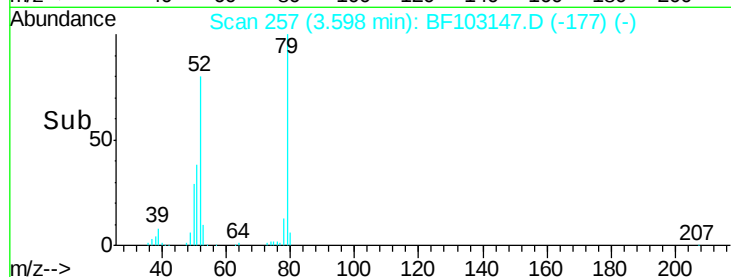
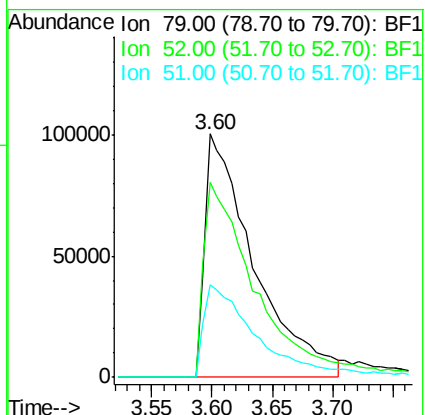
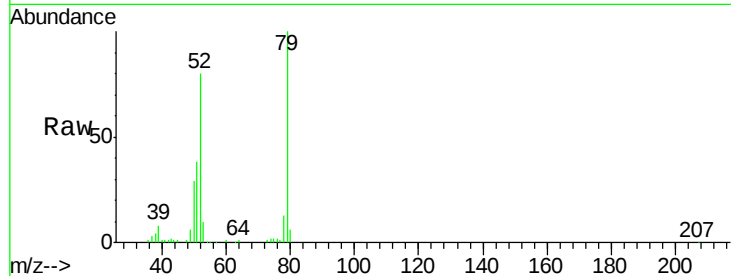
Tot Ion: 79 Resp: 282525

Ion Ratio Lower Upper

79 100

52 80.0 59.8 89.6

51 38.1 29.8 44.8



#4

n-Nitrosodimethylamine

Concen: 38.335 ng

RT: 3.49 min Scan# 238

Delta R.T. 0.10 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

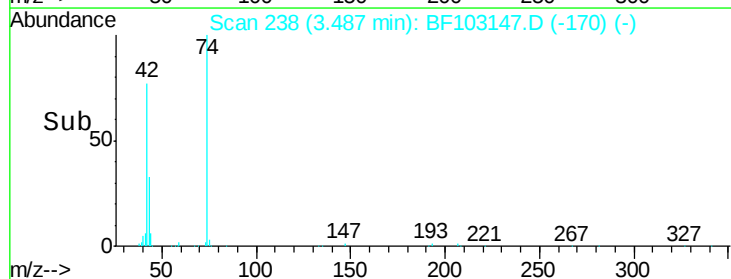
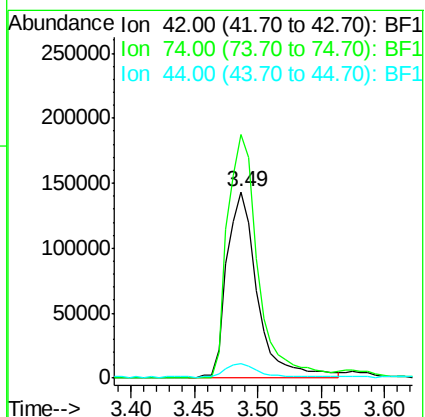
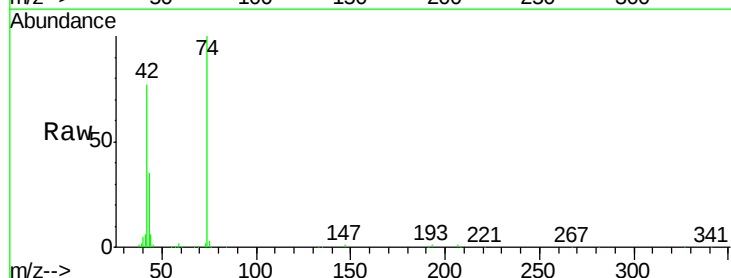
Tgt Ion: 42 Resp: 239324

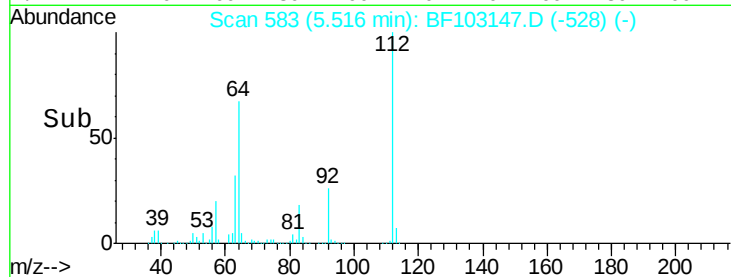
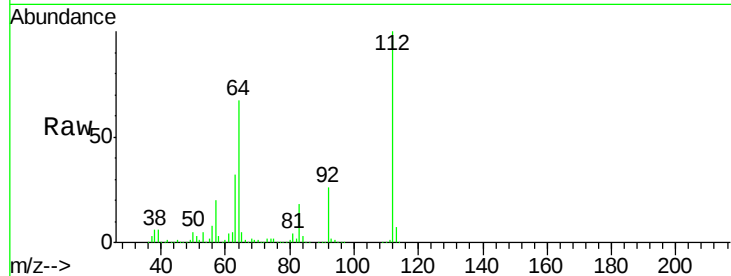
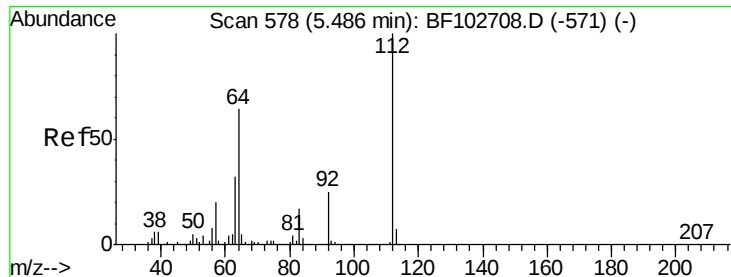
Ion Ratio Lower Upper

42 100

74 130.5 104.9 157.3

44 7.9 6.9 10.3





#5

2-Fluorophenol

Concen: 104.913 ng

RT: 5.52 min Scan# 583

Delta R.T. 0.02 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

Instrument :

BNA_F

ClientSampleId :

BUS-WASH-SLUDGE-PITMSD

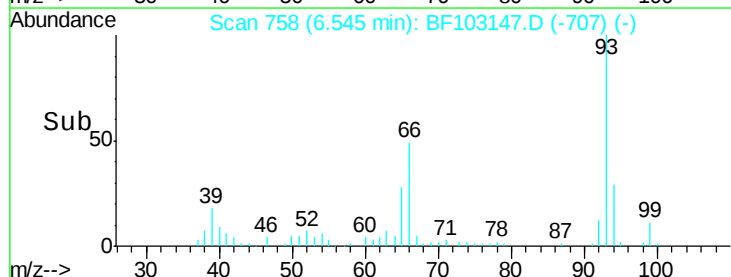
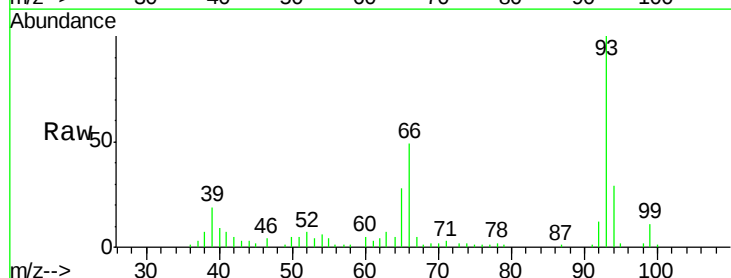
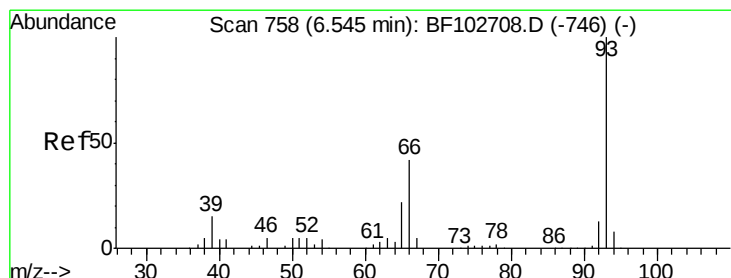
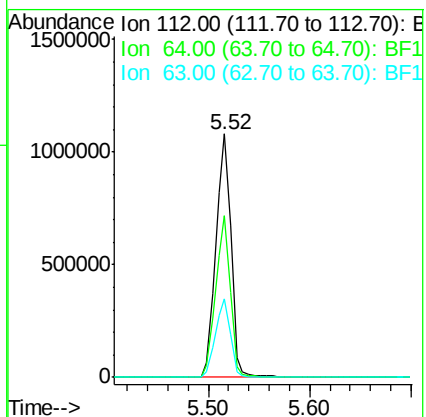
Tot Ion:112 Resp: 1121789

Ion Ratio Lower Upper

112 100

64 66.6 47.9 71.9

63 32.3 23.7 35.5



#6

Aniline

Concen: 5.241 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

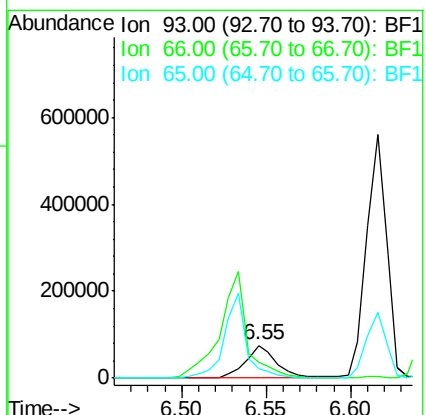
Tgt Ion: 93 Resp: 99640

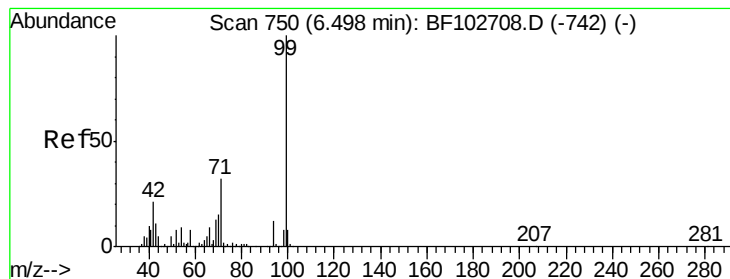
Ion Ratio Lower Upper

93 100

66 48.9 32.2 48.2#

65 28.0 16.4 24.6#





#7

Phenol-d6

Concen: 99.114 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

Instrument :

BNA_F

ClientSampleId :

BUS-WASH-SLUDGE-PITMSD

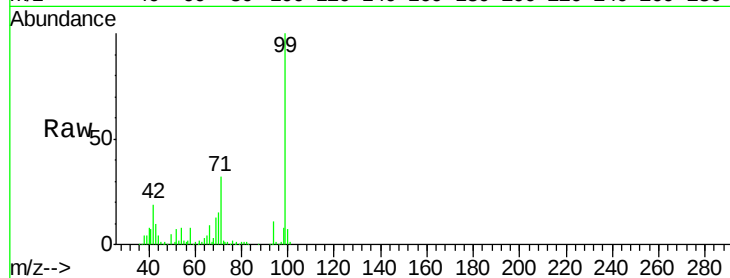
Tot Ion: 99 Resp: 1276056

Ion Ratio Lower Upper

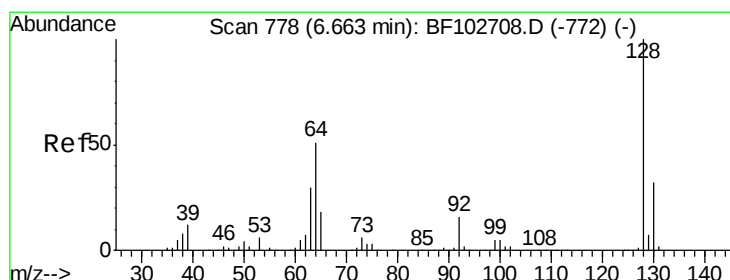
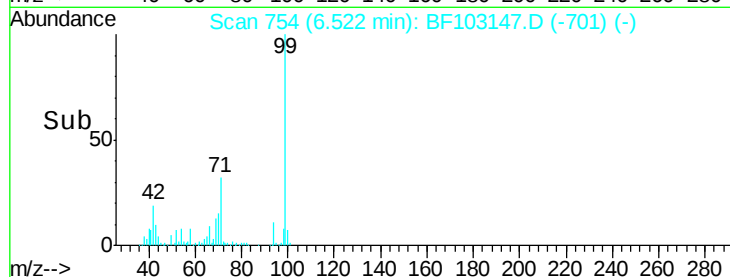
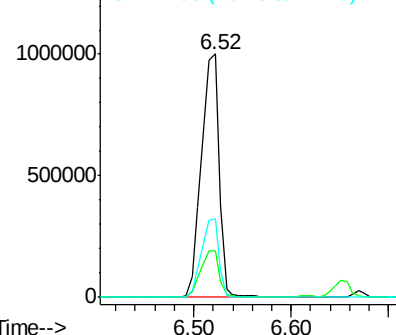
99 100

42 18.9 14.5 21.7

71 32.2 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 40.763 ng

RT: 6.67 min Scan# 779

Delta R.T. 0.01 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

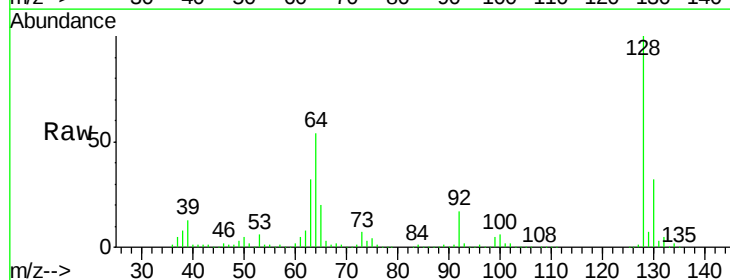
Tgt Ion: 128 Resp: 448722

Ion Ratio Lower Upper

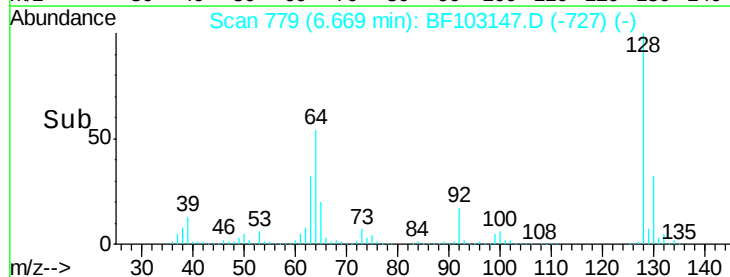
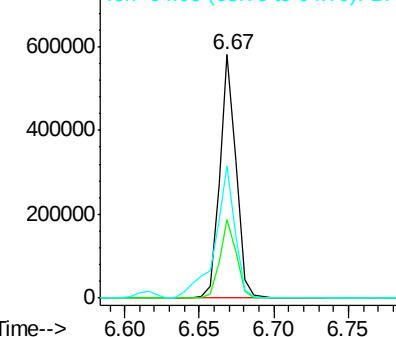
128 100

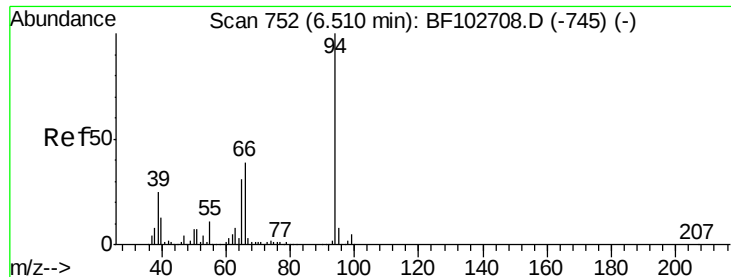
130 32.2 13.0 53.0

64 54.1 29.4 69.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1

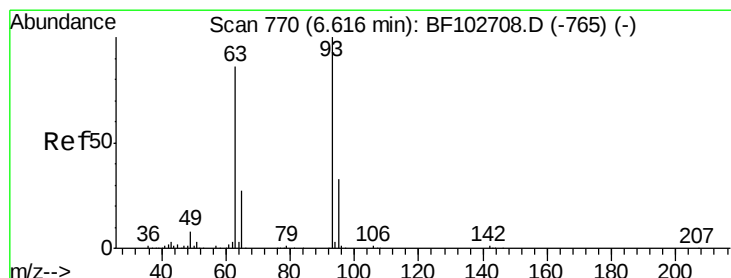
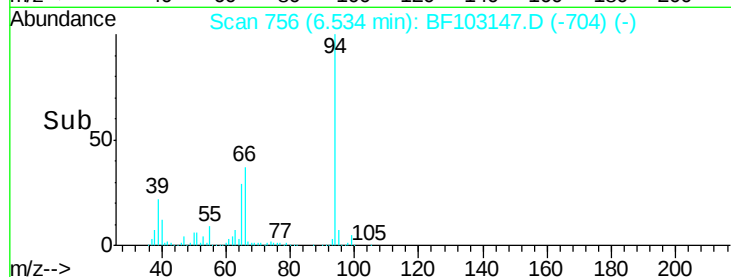
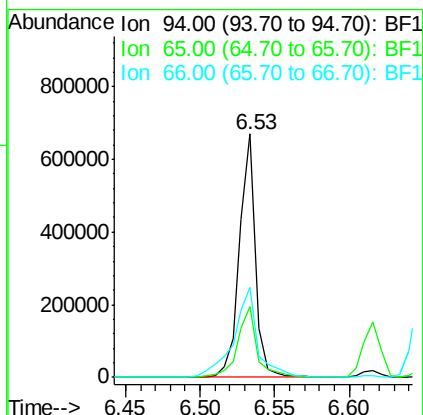
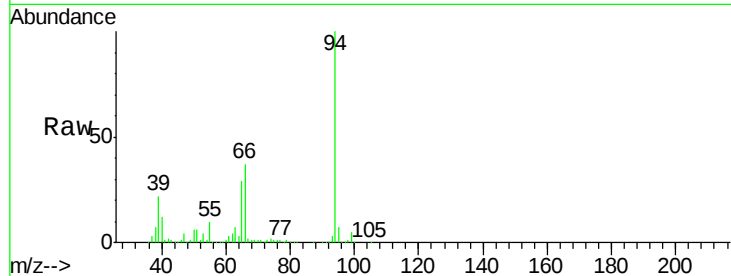




#10
Phenol
Concen: 36.786 ng
RT: 6.53 min Scan# 756
Delta R.T. 0.01 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

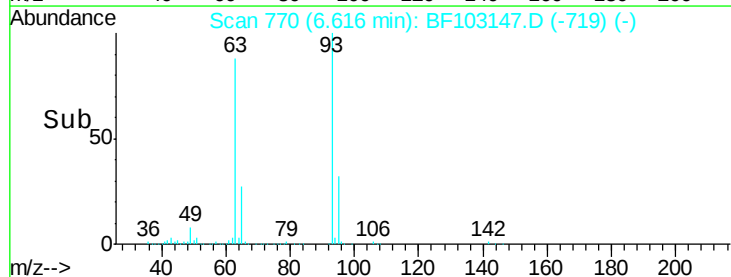
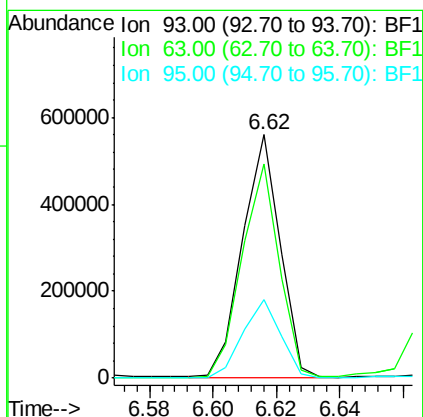
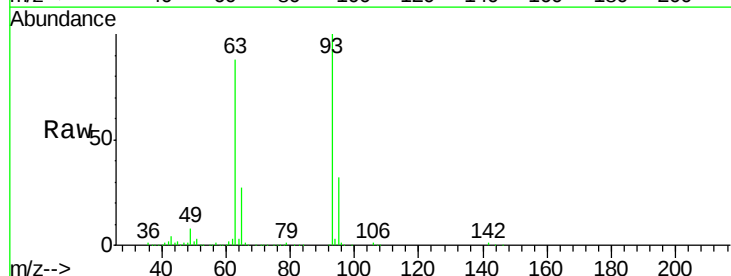
Instrument :
BNA_F
ClientSampleId :
BUS-WASH-SLUDGE-PITMSD

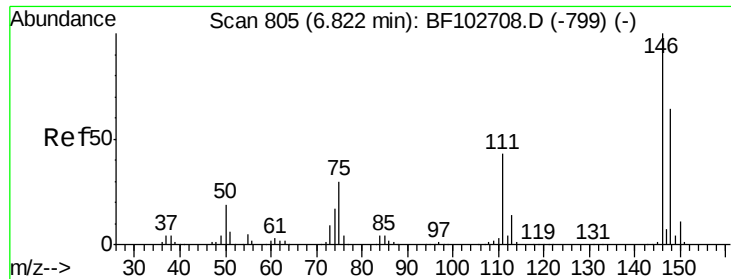
Tot Ion	Ratio	Lower	Upper
94	100		
65	29.1	7.9	47.9
66	36.7	16.2	56.2



#11
bis(2-Chloroethyl)ether
Concen: 40.327 ng
RT: 6.62 min Scan# 770
Delta R.T. -0.00 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

Tgt Ion	Ratio	Lower	Upper
93	100		
63	88.2	58.6	98.6
95	32.2	11.8	51.8

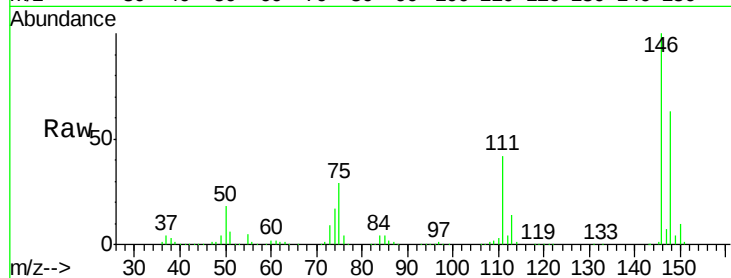




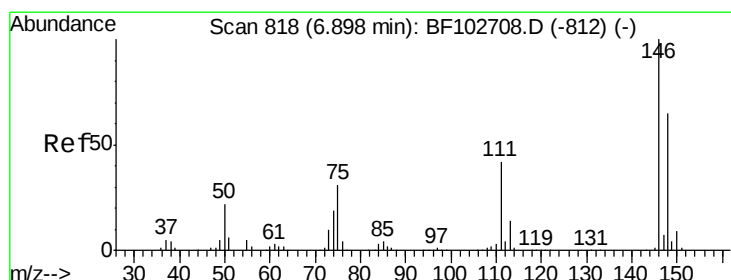
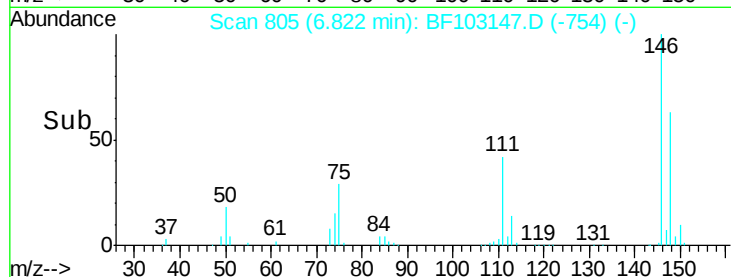
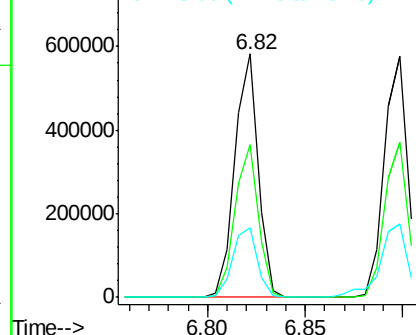
#12
 1,3-Dichlorobenzene
 Concen: 38.029 ng
 RT: 6.82 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: BF103147.D
 Acq: 21 Feb 2018 20:05

Instrument :
 BNA_F
 ClientSampleId :
 BUS-WASH-SLUDGE-PITMSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.6	51.8	77.8
75	28.8	24.2	36.4

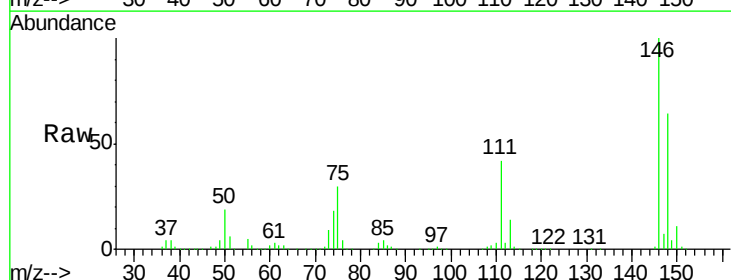


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF1

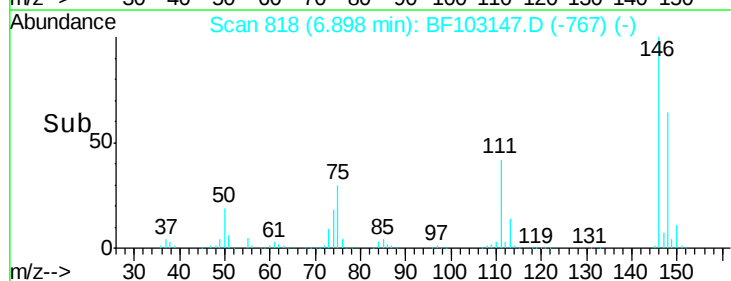
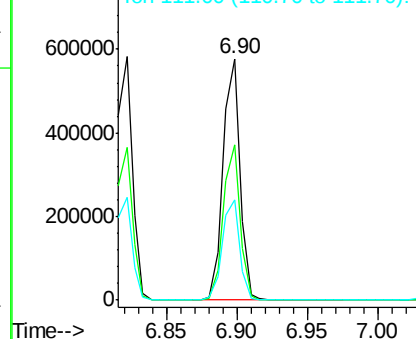


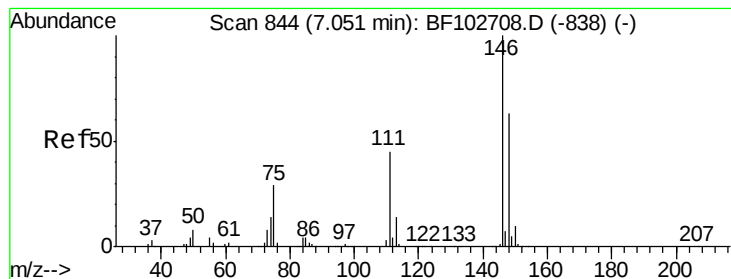
#13
 1,4-Dichlorobenzene
 Concen: 38.078 ng
 RT: 6.90 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BF103147.D
 Acq: 21 Feb 2018 20:05

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.8	76.2
111	41.5	34.2	51.2



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

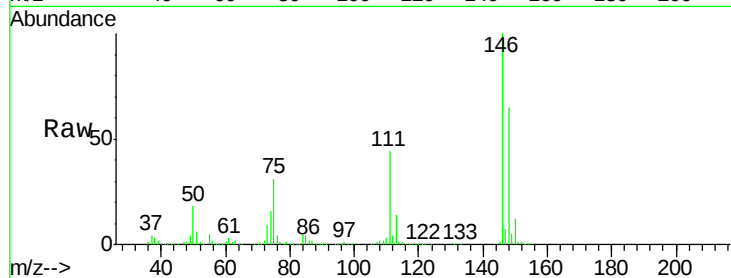




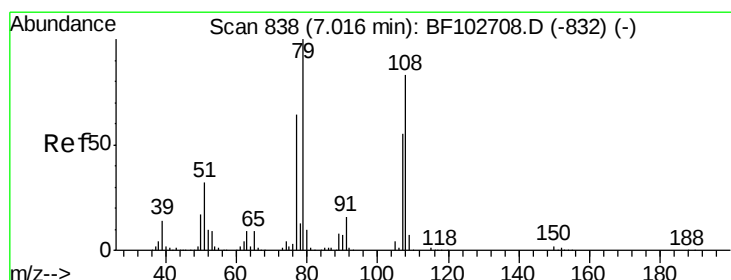
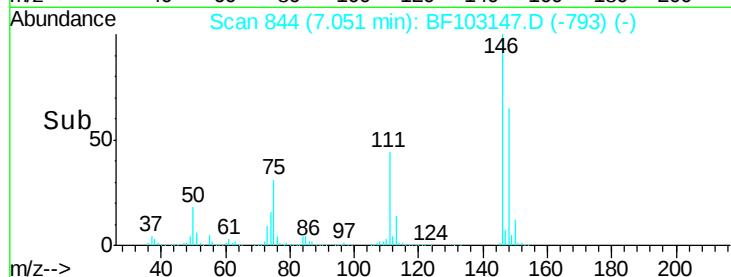
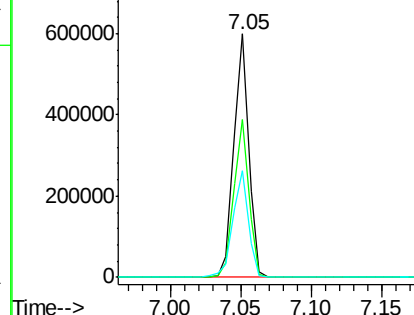
#14
 1,2-Dichlorobenzene
 Concen: 37.267 ng
 RT: 7.05 min Scan# 844
 Delta R.T. -0.00 min
 Lab File: BF103147.D
 Acq: 21 Feb 2018 20:05

Instrument :
 BNA_F
 ClientSampleId :
 BUS-WASH-SLUDGE-PITMSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.9	50.6	75.8
111	44.1	36.0	54.0

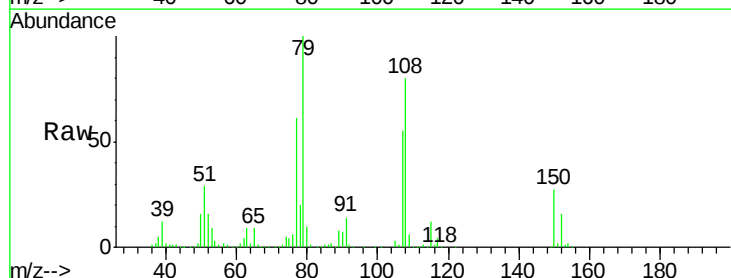


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

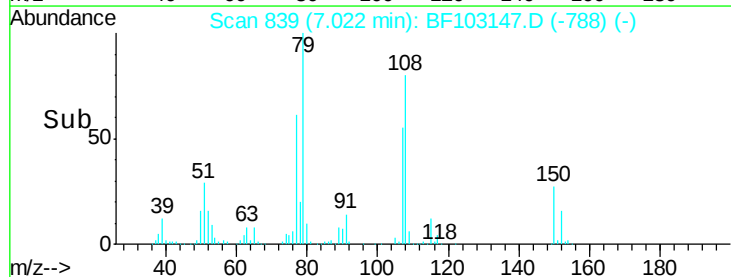
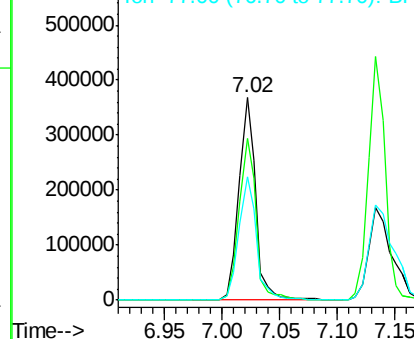


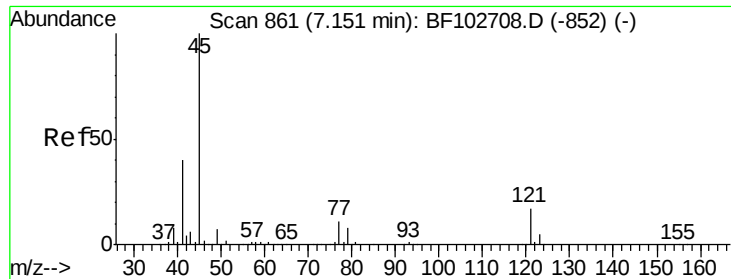
#15
 Benzyl Alcohol
 Concen: 37.579 ng
 RT: 7.02 min Scan# 839
 Delta R.T. -0.00 min
 Lab File: BF103147.D
 Acq: 21 Feb 2018 20:05

Tgt Ion	Ratio	Lower	Upper
79	100		
108	79.6	65.1	97.7
77	60.9	50.6	75.8



Abundance Ion 79.00 (78.70 to 79.70): BF1
 Ion 108.00 (107.70 to 108.70): E
 Ion 77.00 (76.70 to 77.70): BF1

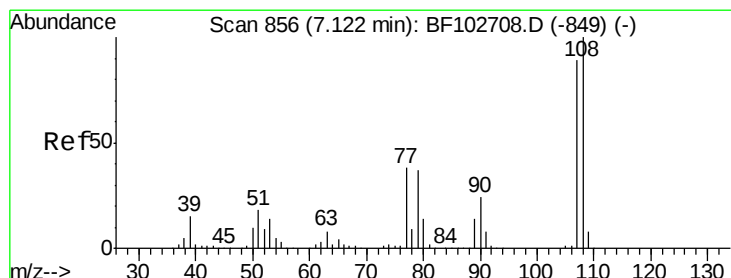
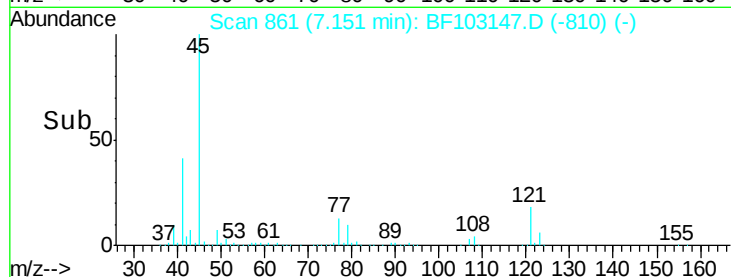
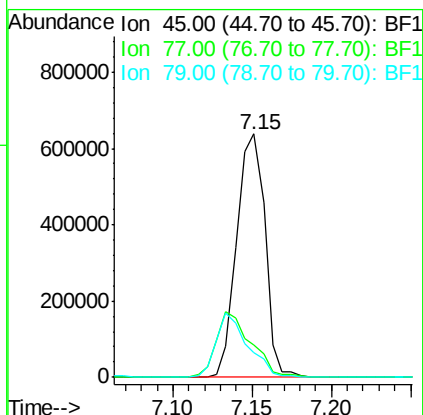
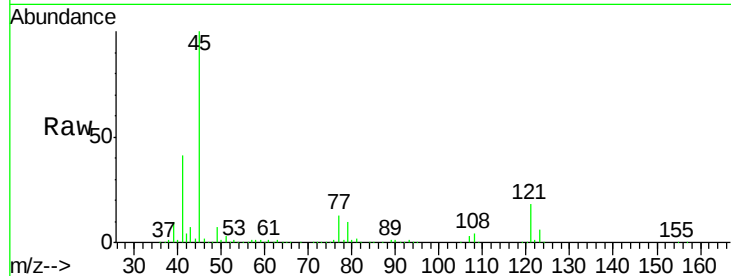




#16
2,2'-oxvbis(1-chloropropane)
Concen: 36.239 ng
RT: 7.15 min Scan# 861
Delta R.T. -0.00 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

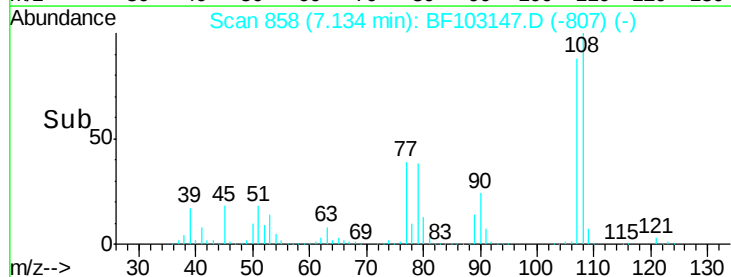
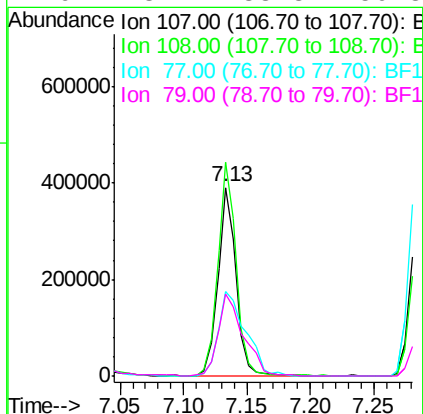
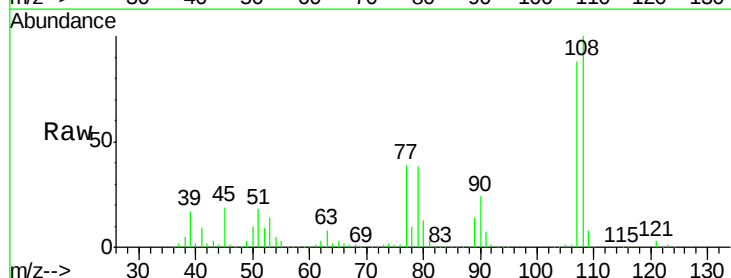
Instrument :
BNA_F
ClientSampleId :
BUS-WASH-SLUDGE-PITMSD

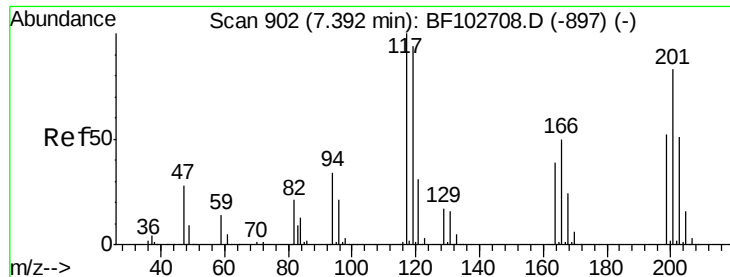
Tot Ion	Ratio	Lower	Upper
45	100		
77	13.4	0.0	32.9
79	10.4	0.0	29.6



#17
2-Methylphenol
Concen: 38.322 ng
RT: 7.13 min Scan# 858
Delta R.T. -0.00 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

Tgt Ion	Ratio	Lower	Upper
107	100		
108	113.4	91.7	137.5
77	44.5	33.8	50.8
79	43.2	33.8	50.8

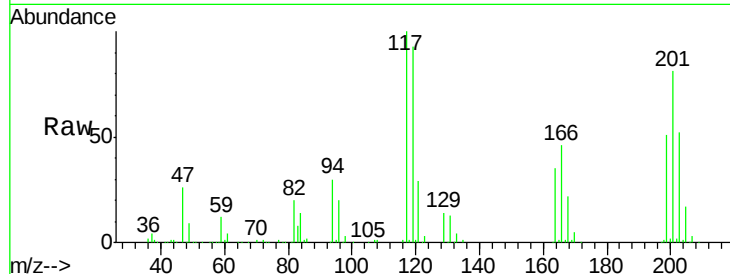




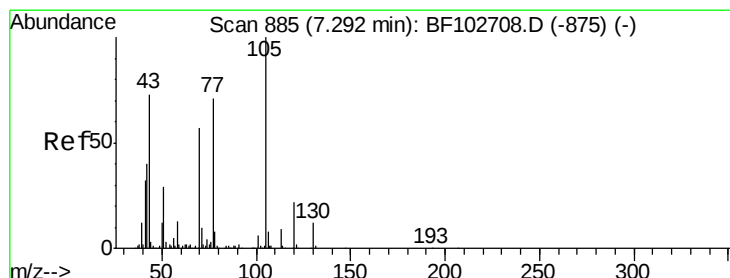
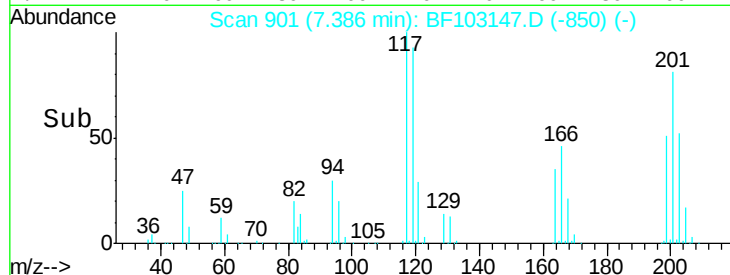
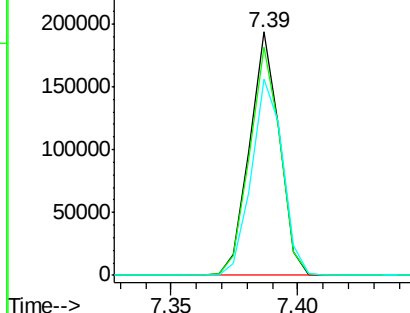
#18
Hexachloroethane
Concen: 36.327 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.00 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

Instrument :
BNA_F
ClientSampleId :
BUS-WASH-SLUDGE-PITMSD

Tot Ion:117 Resp: 158185
Ion Ratio Lower Upper
117 100
119 93.5 75.8 113.8
201 80.8 75.7 113.5



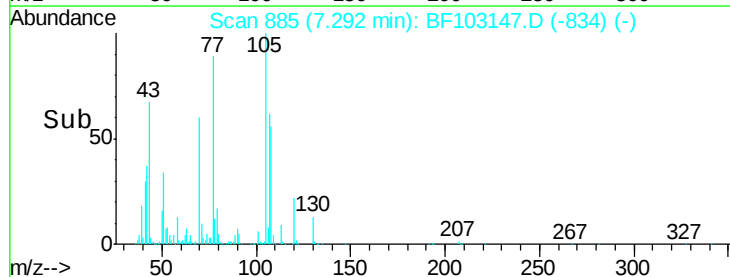
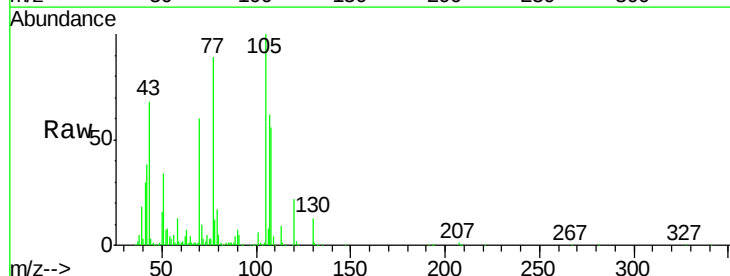
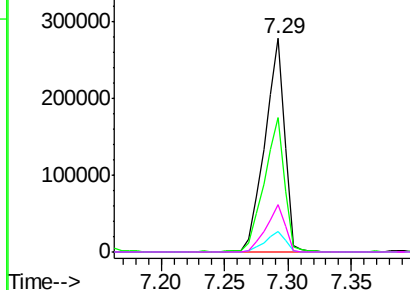
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

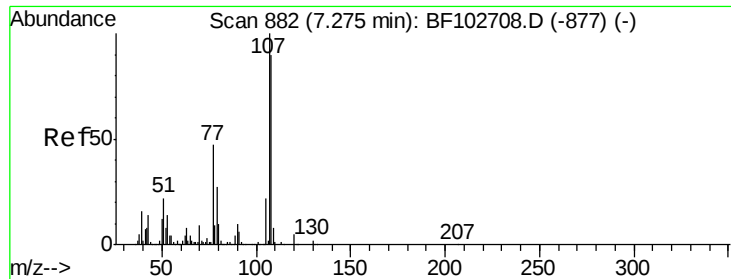


#19
n-Nitroso-di-n-propylamine
Concen: 35.931 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.00 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

Tgt Ion: 70 Resp: 305004
Ion Ratio Lower Upper
70 100
42 62.7 47.5 71.3
101 9.4 7.4 11.2
130 22.2 16.6 25.0

Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 37.386 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.00 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

Instrument :

BNA_F

ClientSampleId :

BUS-WASH-SLUDGE-PITMSD

Tot Ion:107 Resp: 468138

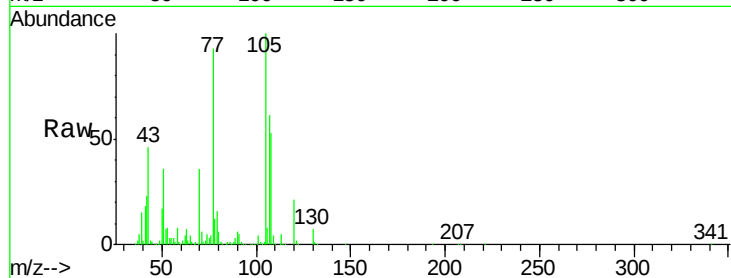
Ion Ratio Lower Upper

107 100

108 86.5 68.2 108.2

77 152.2 26.7 66.7#

79 26.7 6.3 46.3

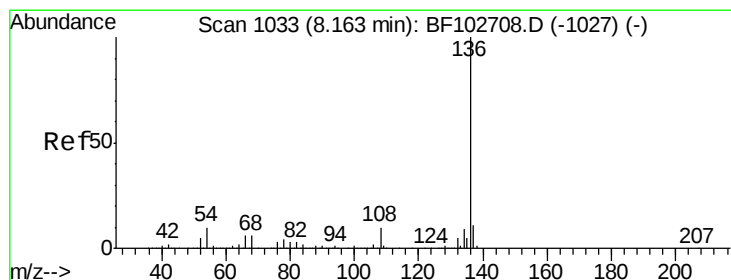
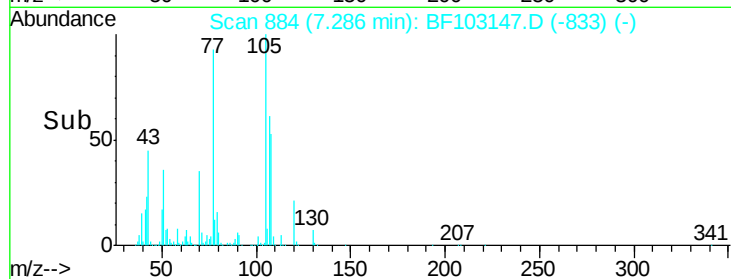
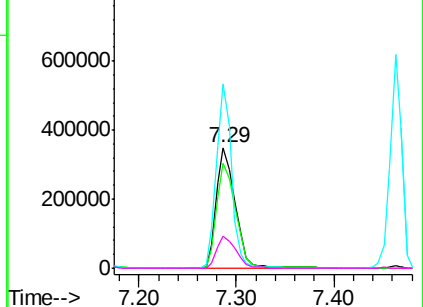


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

Tgt Ion:136 Resp: 664433

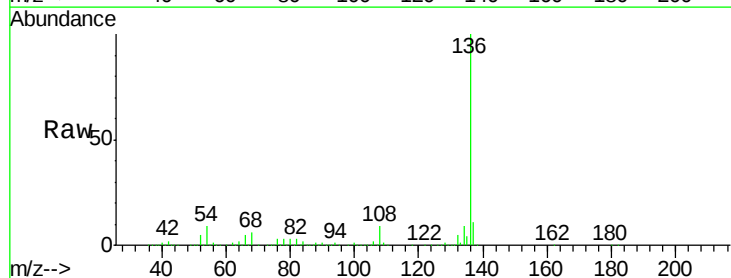
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.1 6.6 9.8

68 6.1 5.0 7.4

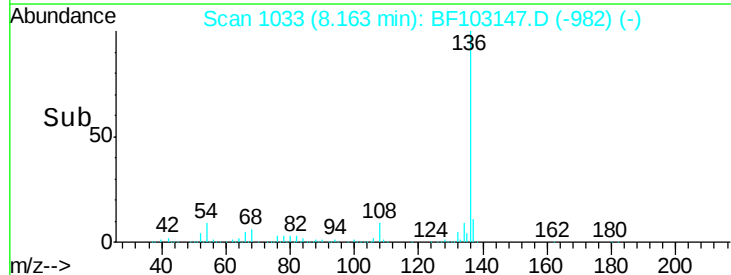
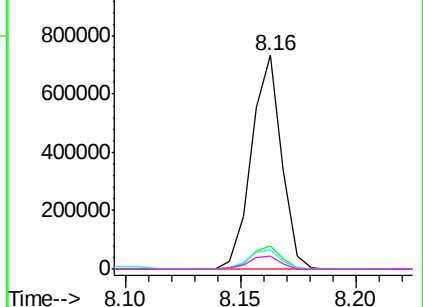


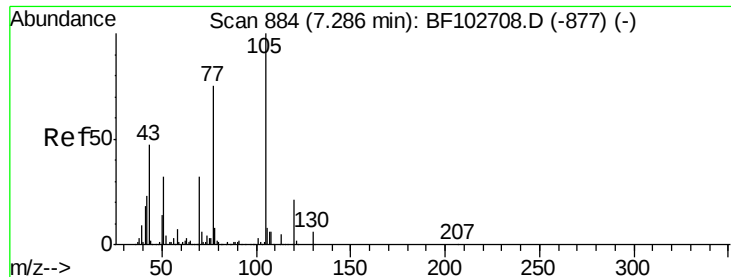
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

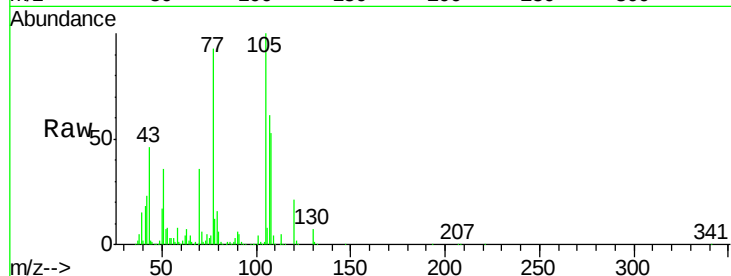




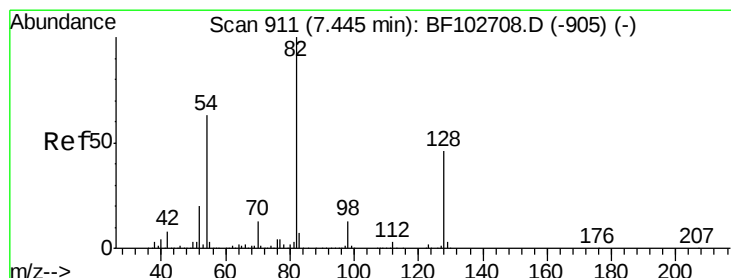
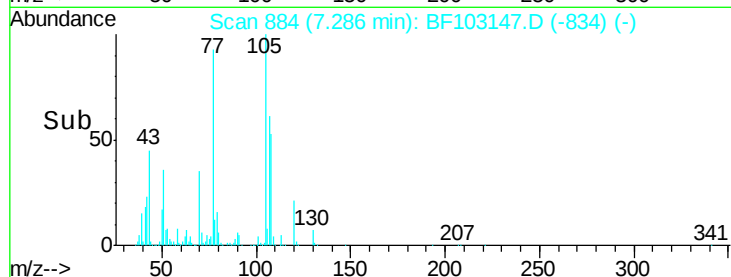
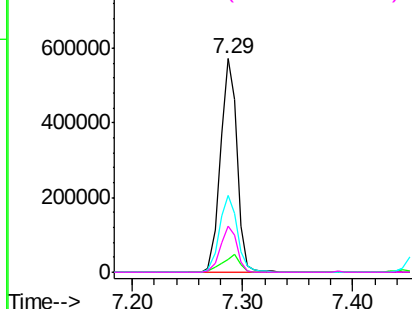
#22
Acetophenone
Concen: 36.820 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

Instrument :
BNA_F
ClientSampleId :
BUS-WASH-SLUDGE-PITMSD

Tot Ion:105 Resp: 598669
Ion Ratio Lower Upper
105 100
71 6.1 4.4 6.6
51 36.1 22.3 33.5#
120 21.4 16.9 25.3

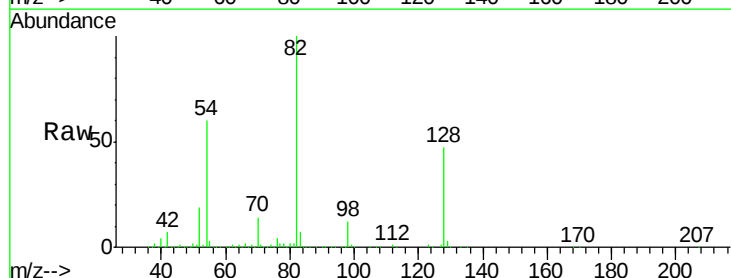


Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E

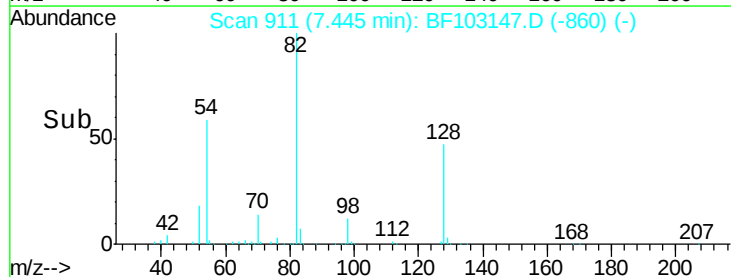
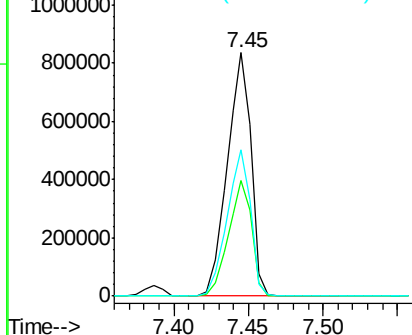


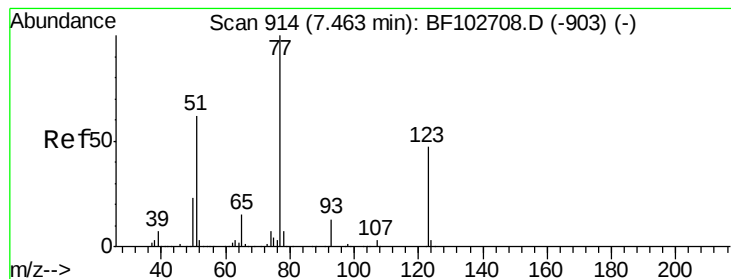
#23
Nitrobenzene-d5
Concen: 98.166 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.00 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

Tgt Ion: 82 Resp: 940240
Ion Ratio Lower Upper
82 100
128 47.2 36.1 54.1
54 60.0 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#24

Nitrobenzene

Concen: 45.110 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.00 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

Instrument :

BNA_F

ClientSampleId :

BUS-WASH-SLUDGE-PITMSD

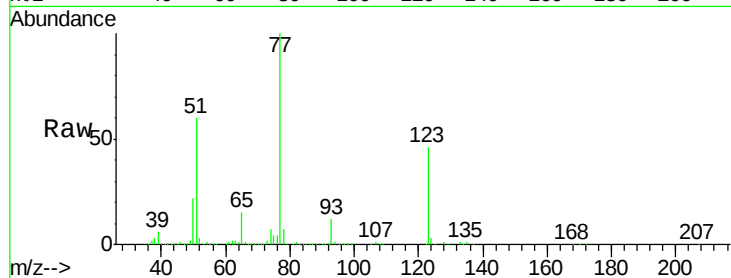
Tot Ion: 77 Resp: 508229

Ion Ratio Lower Upper

77 100

123 45.8 37.9 56.9

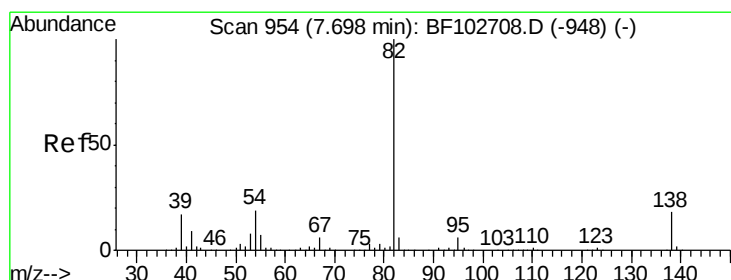
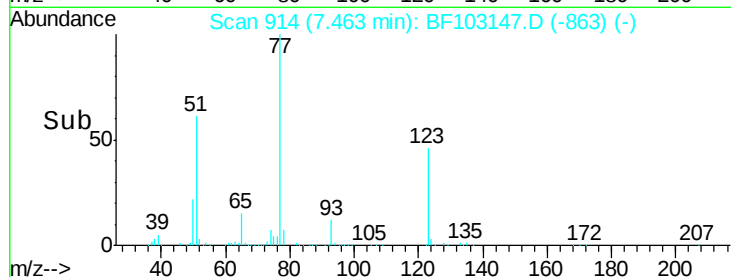
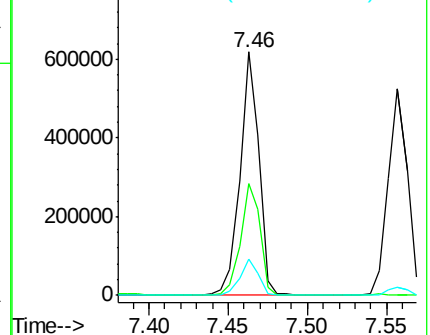
65 15.2 11.0 16.4



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



#25

Isophorone

Concen: 42.106 ng

RT: 7.70 min Scan# 954

Delta R.T. -0.00 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

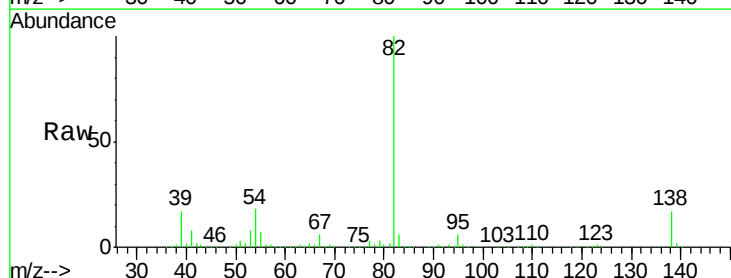
Tgt Ion: 82 Resp: 928634

Ion Ratio Lower Upper

82 100

95 6.3 5.2 7.8

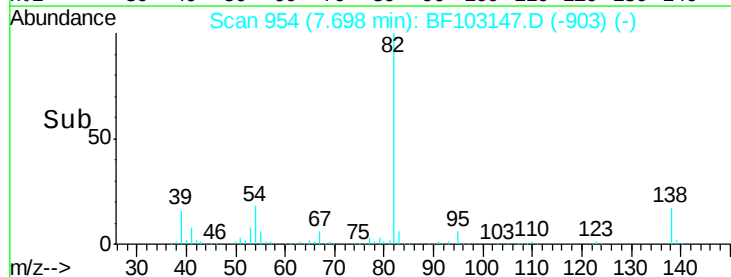
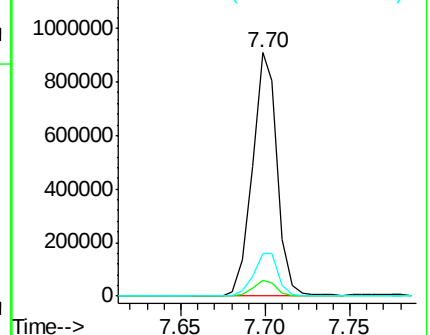
138 17.3 14.9 22.3

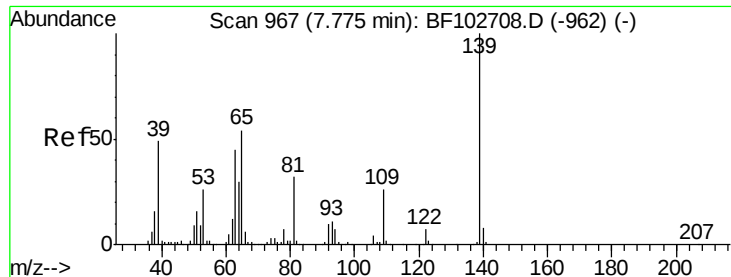


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

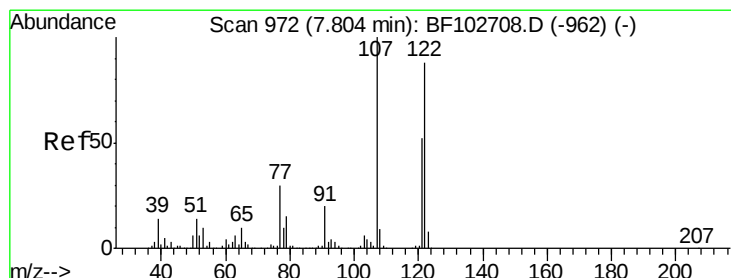
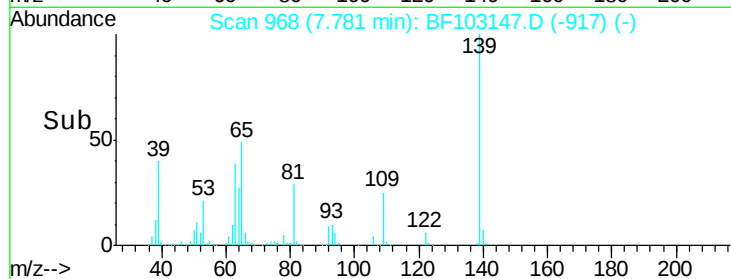
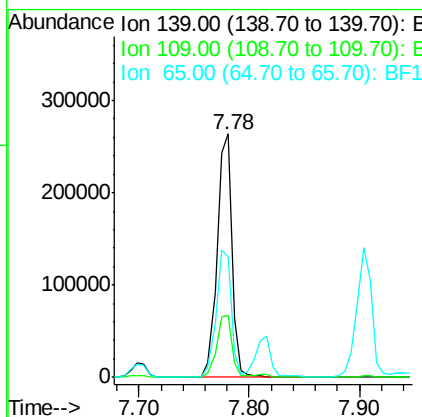
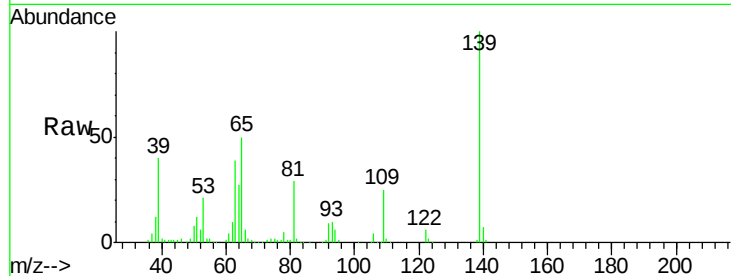




#26
 2-Nitrophenol
 Concen: 52.340 ng
 RT: 7.78 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: BF103147.D
 Acq: 21 Feb 2018 20:05

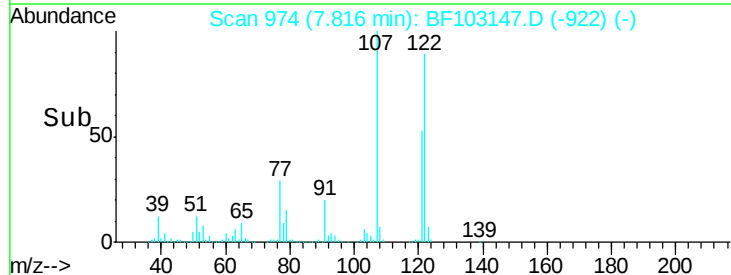
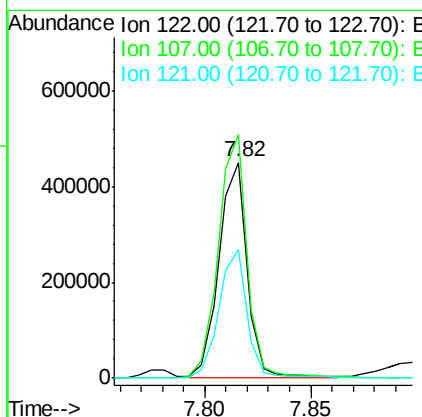
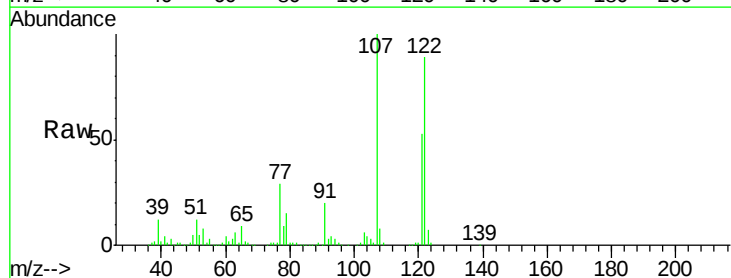
Instrument :
 BNA_F
 ClientSampleId :
 BUS-WASH-SLUDGE-PITMSD

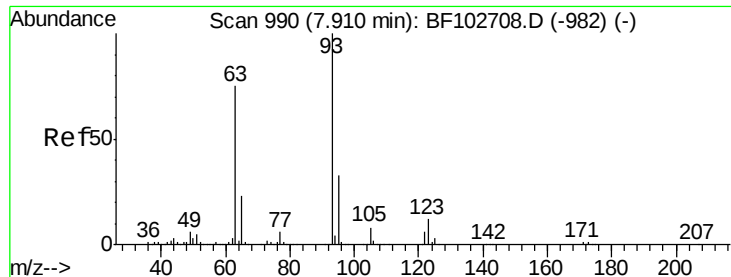
Tot Ion	Ratio	Lower	Upper
139	100		
109	25.3	22.7	34.1
65	49.9	40.5	60.7



#27
 2,4-Dimethylphenol
 Concen: 45.046 ng
 RT: 7.82 min Scan# 974
 Delta R.T. 0.01 min
 Lab File: BF103147.D
 Acq: 21 Feb 2018 20:05

Tgt Ion	Ratio	Lower	Upper
122	100		
107	112.9	91.2	136.8
121	59.5	47.2	70.8

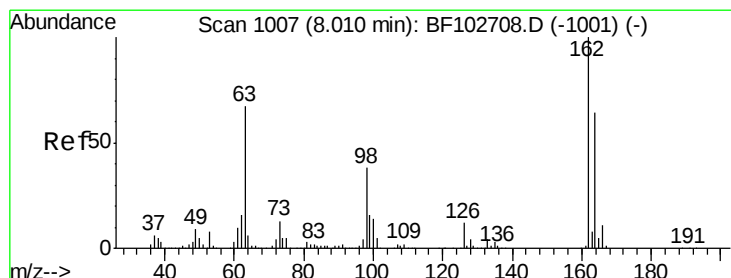
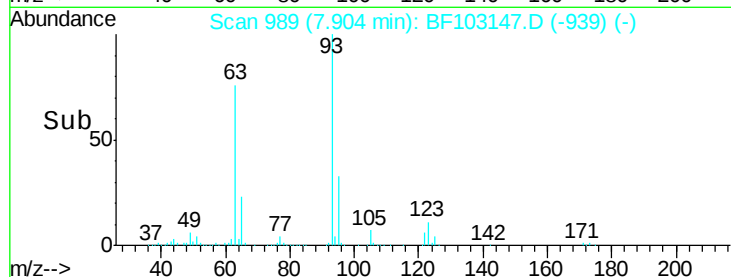
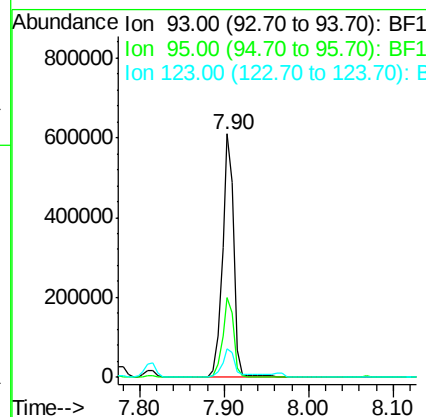
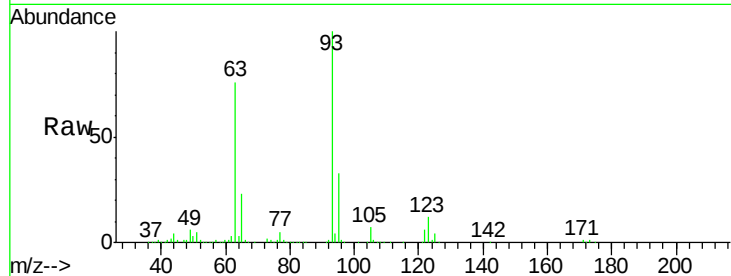




#28
bis(2-Chloroethoxy)methane
Concen: 44.803 ng
RT: 7.90 min Scan# 989
Delta R.T. -0.01 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

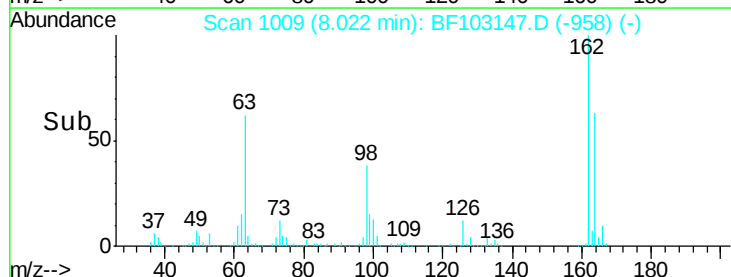
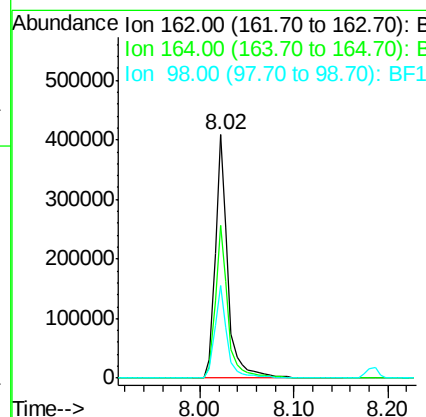
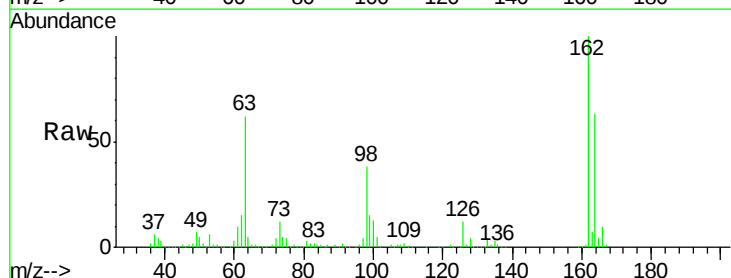
Instrument :
BNA_F
ClientSampleId :
BUS-WASH-SLUDGE-PITMSD

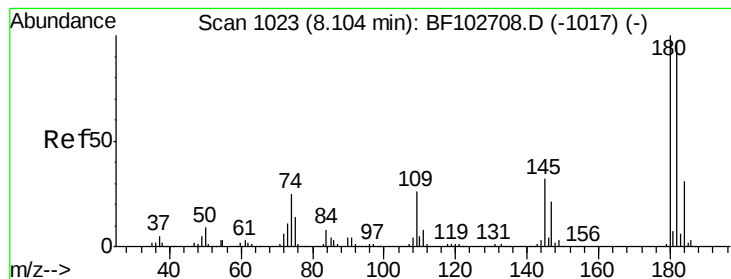
Tot Ion: 93 Resp: 585359
Ion Ratio Lower Upper
93 100
95 32.6 26.3 39.5
123 11.5 9.8 14.6



#29
2,4-Dichlorophenol
Concen: 45.868 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

Tgt Ion: 162 Resp: 388522
Ion Ratio Lower Upper
162 100
164 62.5 42.7 82.7
98 37.9 18.1 58.1





#30

1,2,4-Trichlorobenzene

Concen: 38.696 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

Instrument :

BNA_F

ClientSampleId :

BUS-WASH-SLUDGE-PITMSD

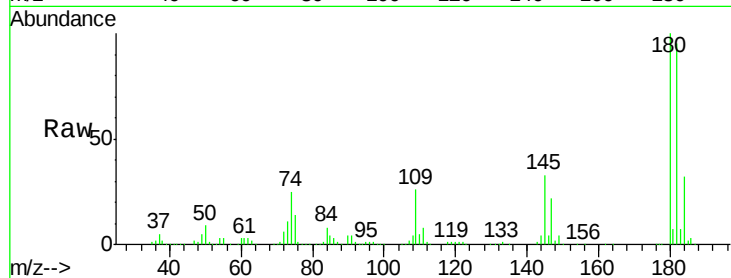
Tot Ion:180 Resp: 370802

Ion Ratio Lower Upper

180 100

182 94.8 76.8 115.2

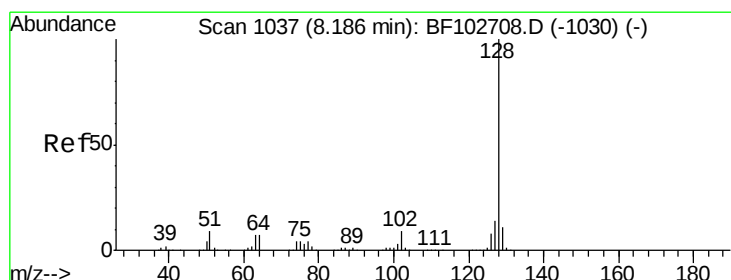
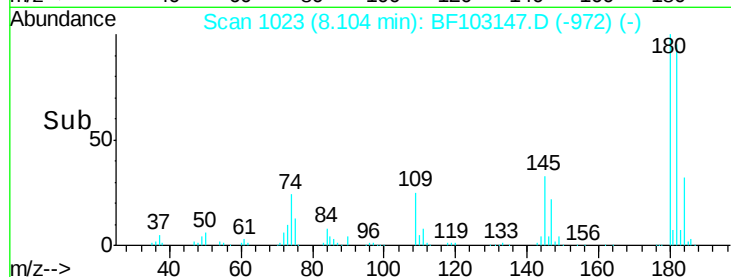
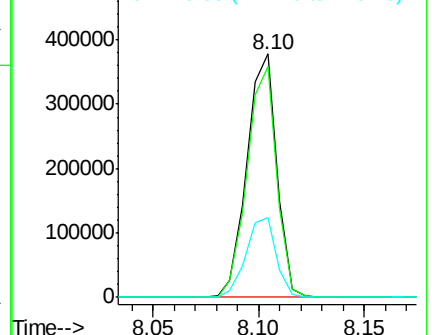
145 32.8 26.5 39.7



Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E



#31

Naphthalene

Concen: 39.129 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

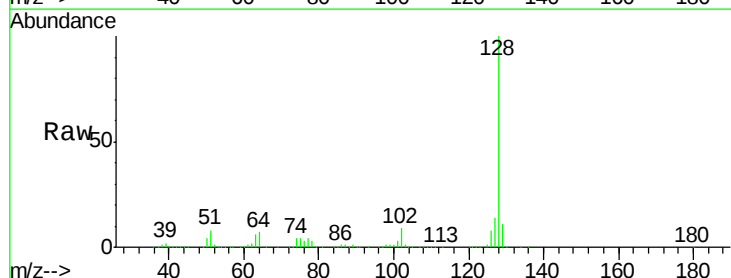
Tgt Ion:128 Resp: 1270226

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

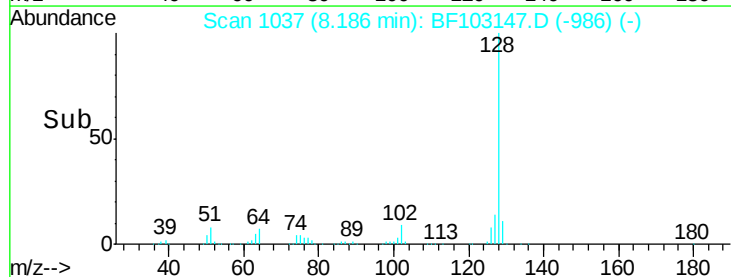
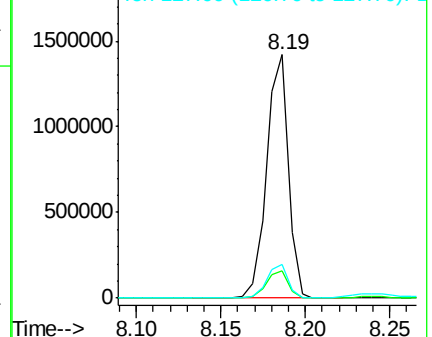
127 13.7 10.9 16.3

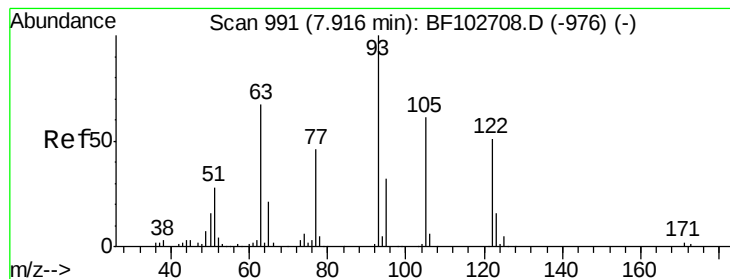


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 58.981 ng

RT: 7.97 min Scan# 1000

Delta R.T. 0.02 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

Instrument :

BNA_F

ClientSampleId :

BUS-WASH-SLUDGE-PITMSD

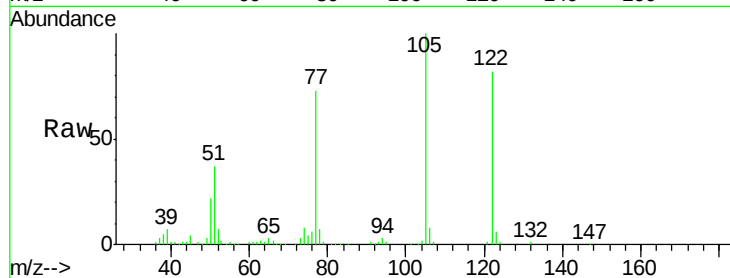
Tot Ion:122 Resp: 420973

Ion Ratio Lower Upper

122 100

105 121.4 101.1 141.1

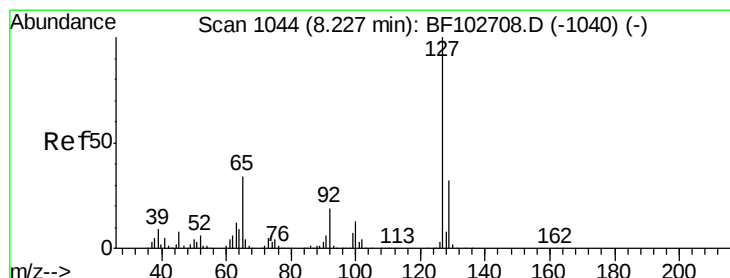
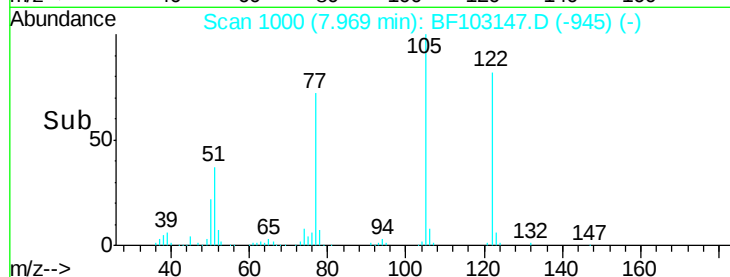
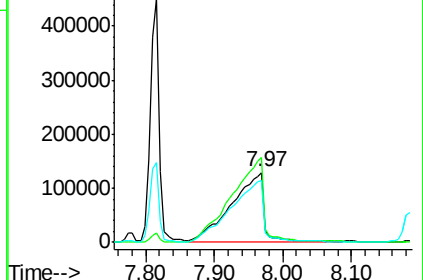
77 88.5 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#33

4-Chloroaniline

Concen: 4.101 ng

RT: 8.24 min Scan# 1046

Delta R.T. 0.01 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

Tgt Ion:127 Resp: 57345

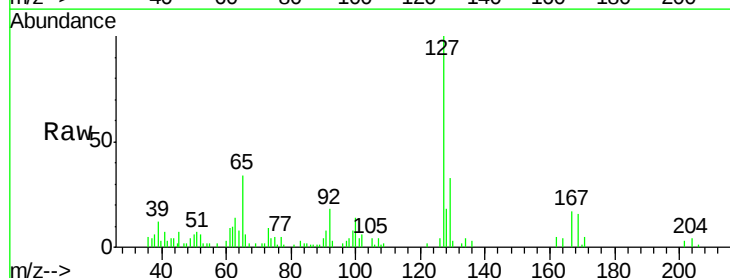
Ion Ratio Lower Upper

127 100

129 33.2 25.9 38.9

65 33.8 25.0 37.4

92 18.0 15.2 22.8

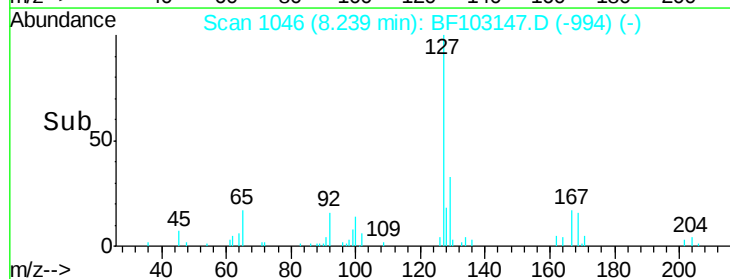
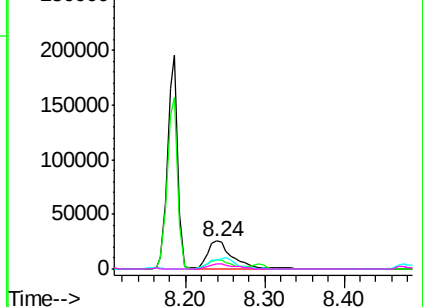


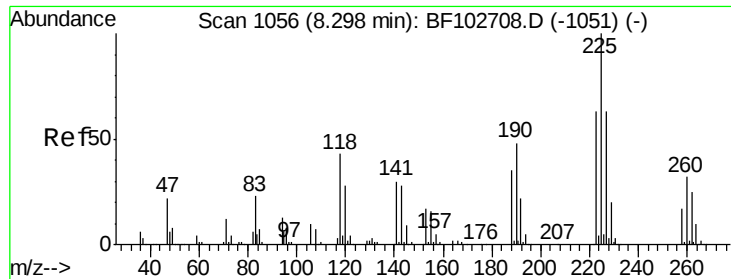
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

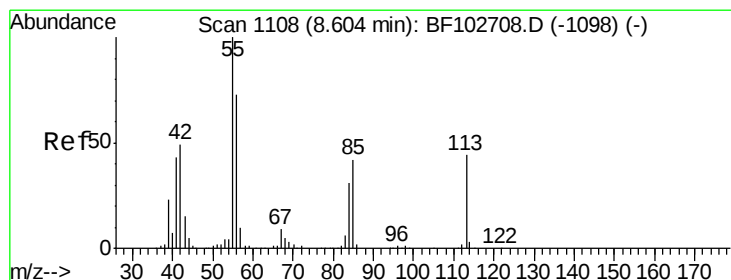
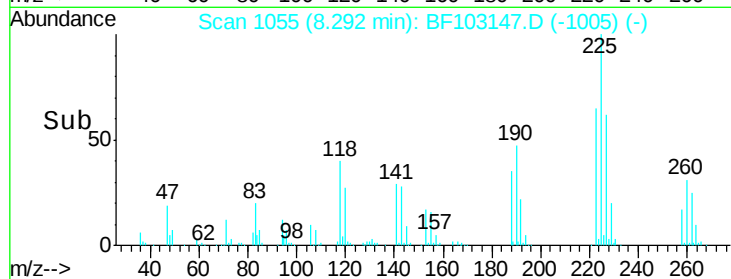
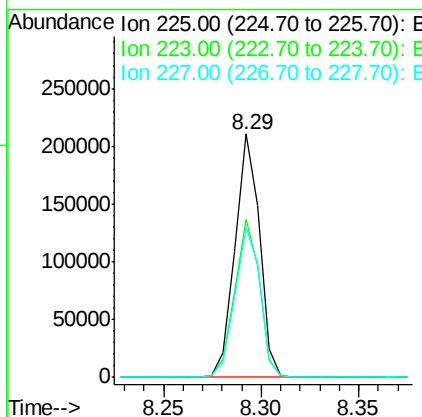
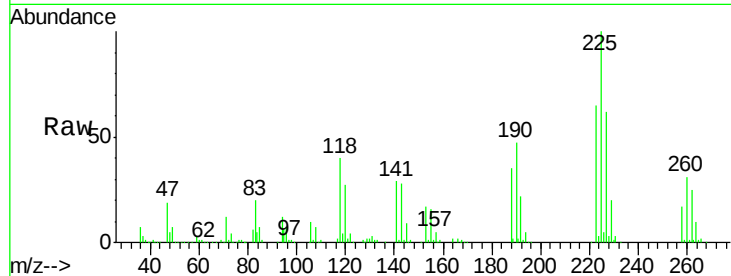




#34
Hexachlorobutadiene
Concen: 37.273 ng
RT: 8.29 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

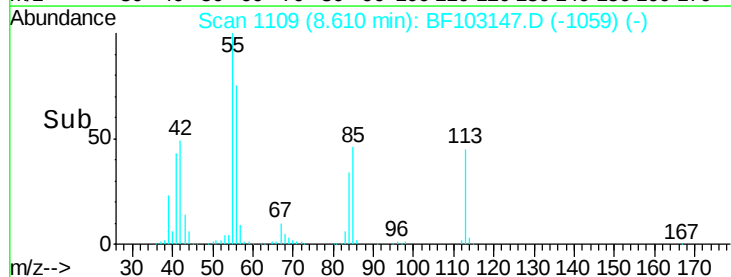
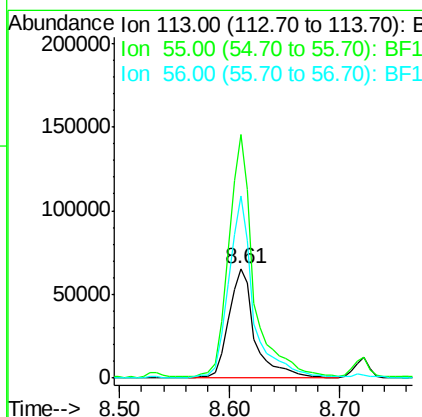
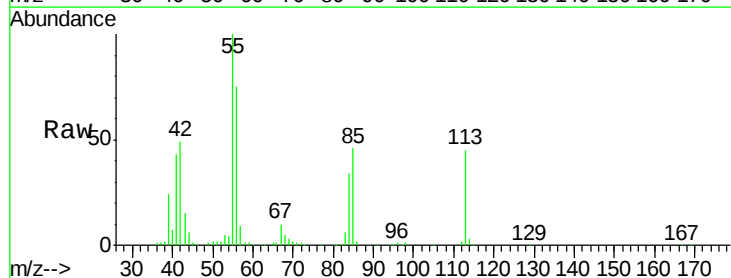
Instrument :
BNA_F
ClientSampleId :
BUS-WASH-SLUDGE-PITMSD

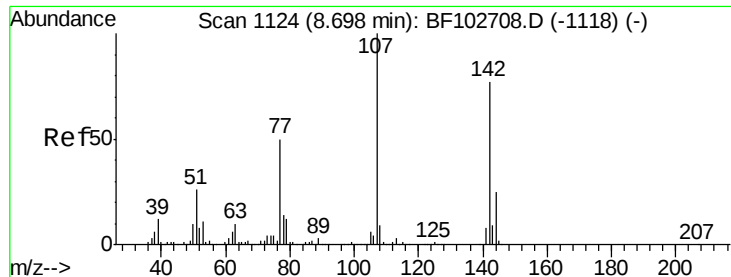
Tot Ion:225 Resp: 183022
Ion Ratio Lower Upper
225 100
223 64.7 50.6 76.0
227 61.9 51.9 77.9



#35
Caprolactam
Concen: 37.078 ng
RT: 8.61 min Scan# 1109
Delta R.T. -0.01 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

Tgt Ion:113 Resp: 109071
Ion Ratio Lower Upper
113 100
55 222.9 163.3 203.3#
56 167.2 115.7 155.7#

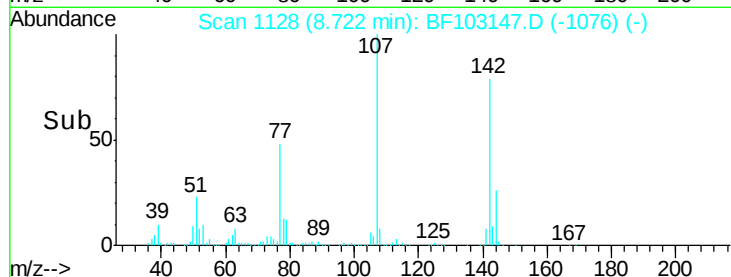
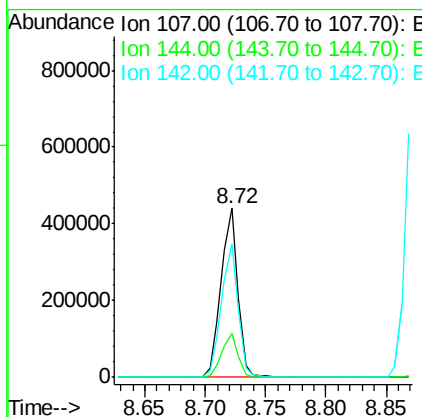
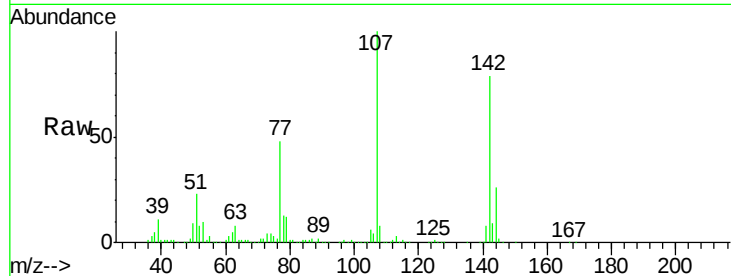




#36
 4-Chloro-3-methylphenol
 Concen: 44.336 ng
 RT: 8.72 min Scan# 1128
 Delta R.T. 0.01 min
 Lab File: BF103147.D
 Acq: 21 Feb 2018 20:05

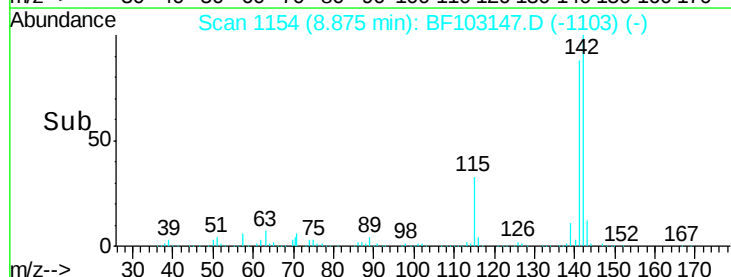
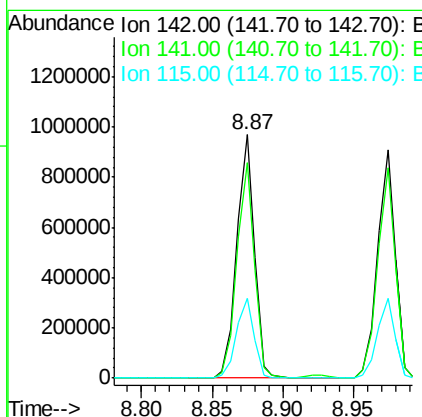
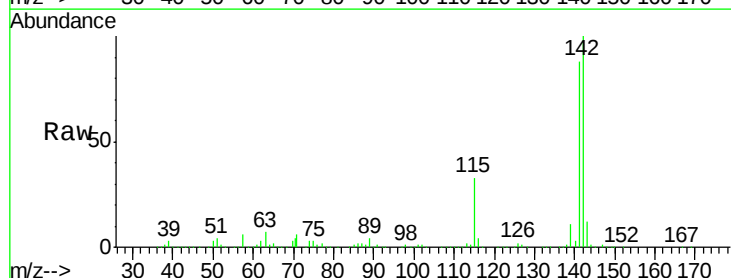
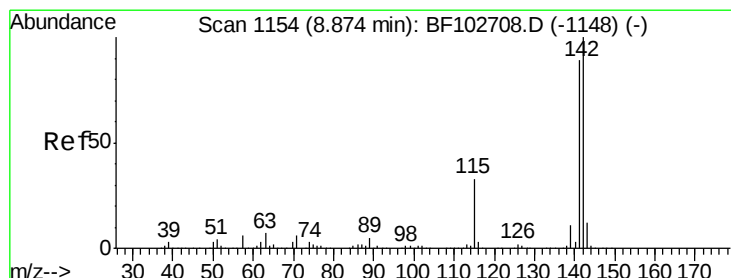
Instrument :
 BNA_F
 ClientSampleId :
 BUS-WASH-SLUDGE-PITMSD

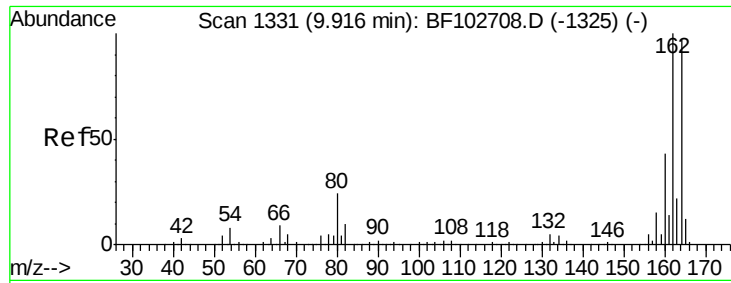
Tot Ion:107 Resp: 421953
 Ion Ratio Lower Upper
 107 100
 144 25.8 20.5 30.7
 142 78.7 62.0 93.0



#37
 2-Methylnaphthalene
 Concen: 39.664 ng
 RT: 8.87 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: BF103147.D
 Acq: 21 Feb 2018 20:05

Tgt Ion:142 Resp: 843003
 Ion Ratio Lower Upper
 142 100
 141 88.3 70.8 106.2
 115 33.0 26.1 39.1

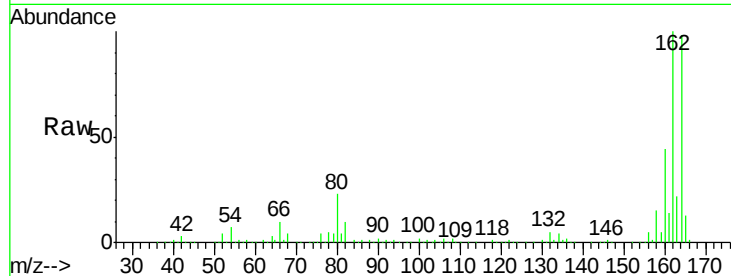




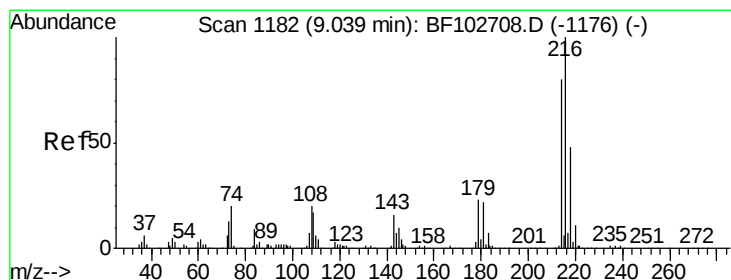
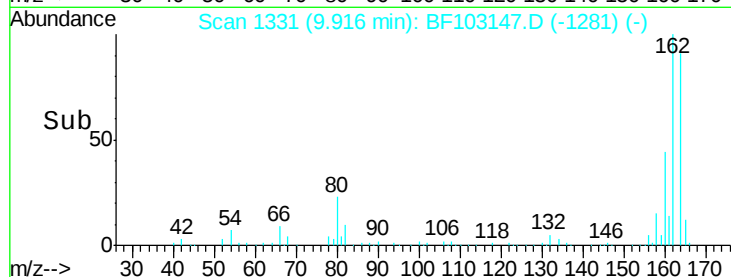
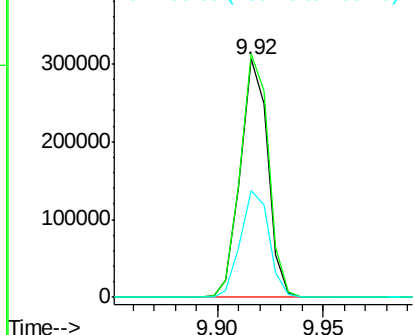
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

Instrument :
BNA_F
ClientSampleId :
BUS-WASH-SLUDGE-PITMSD

Tot Ion:164 Resp: 275172
Ion Ratio Lower Upper
164 100
162 102.3 86.1 129.1
160 44.6 38.3 57.5

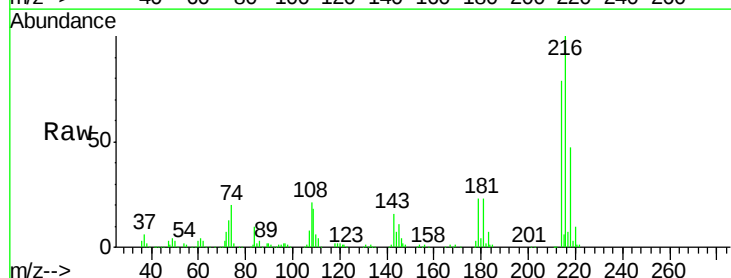


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

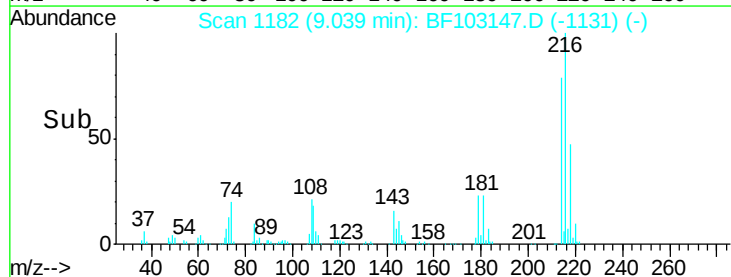
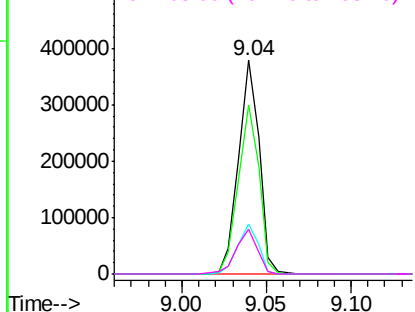


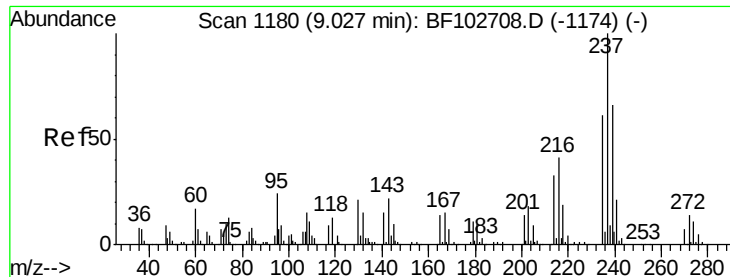
#39
1,2,4,5-Tetrachlorobenzene
Concen: 42.944 ng
RT: 9.04 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

Tgt Ion:216 Resp: 321757
Ion Ratio Lower Upper
216 100
214 79.7 63.0 94.4
179 23.3 18.1 27.1
108 22.1 17.2 25.8



Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E

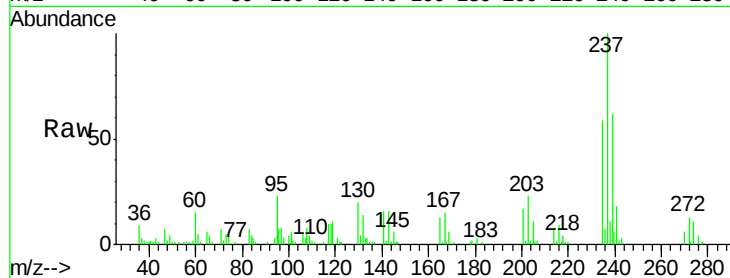




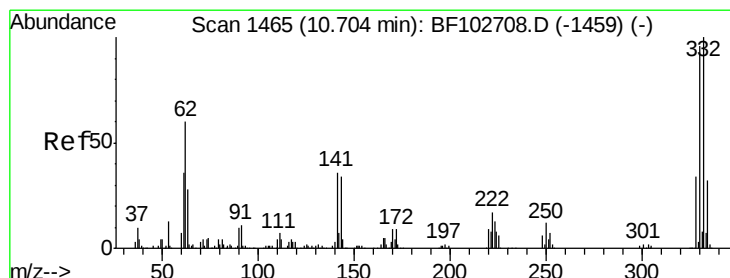
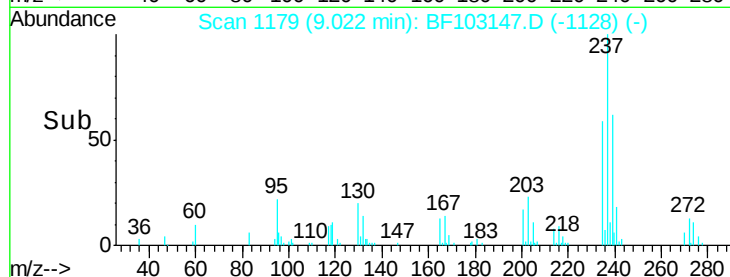
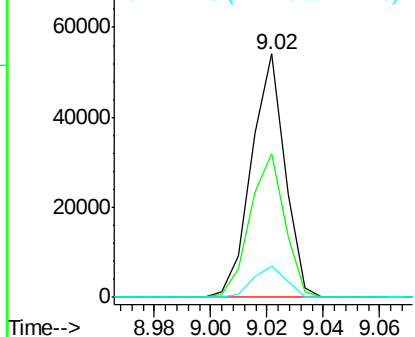
#40
Hexachlorocyclopentadiene
Concen: 12.491 ng
RT: 9.02 min Scan# 1179
Delta R.T. -0.00 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

Instrument :
BNA_F
ClientSampleId :
BUS-WASH-SLUDGE-PITMSD

Tot Ion:237 Resp: 44491
Ion Ratio Lower Upper
237 100
235 59.3 44.8 84.8
272 12.7 0.0 33.3

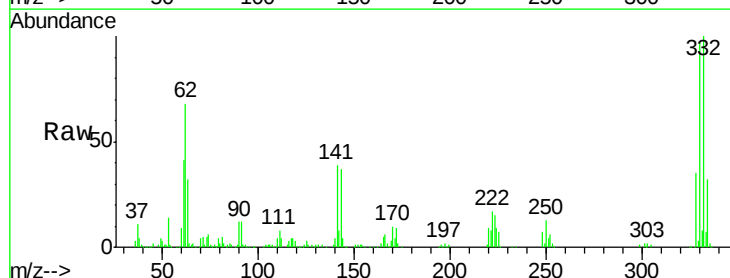


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

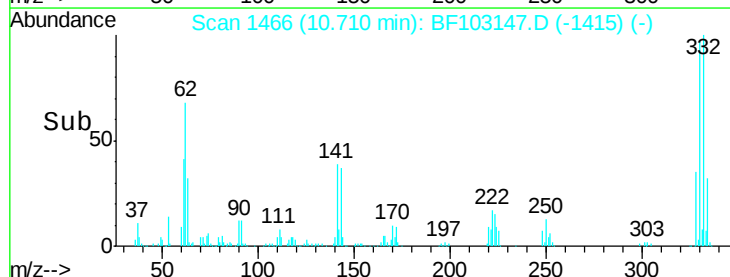
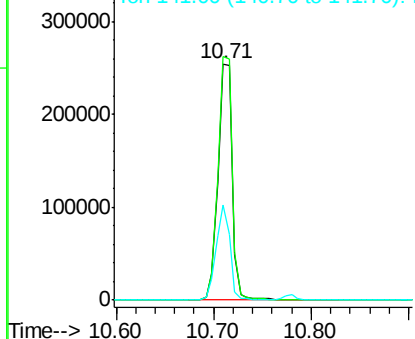


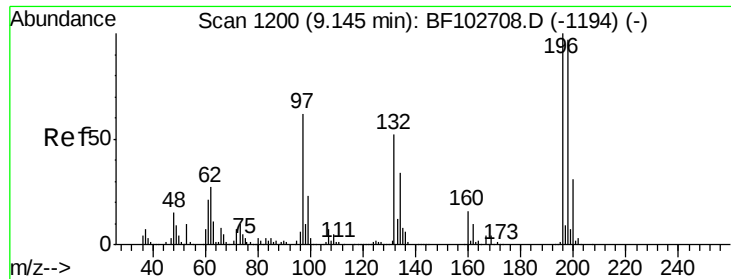
#41
2,4,6-Tribromophenol
Concen: 117.349 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.00 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

Tgt Ion:330 Resp: 259906
Ion Ratio Lower Upper
330 100
332 103.2 77.0 115.6
141 38.6 29.9 44.9



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





#42

2,4,6-Trichlorophenol

Concen: 48.256 ng

RT: 9.16 min Scan# 1202

Delta R.T. 0.01 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

Instrument :

BNA_F

ClientSampleId :

BUS-WASH-SLUDGE-PITMSD

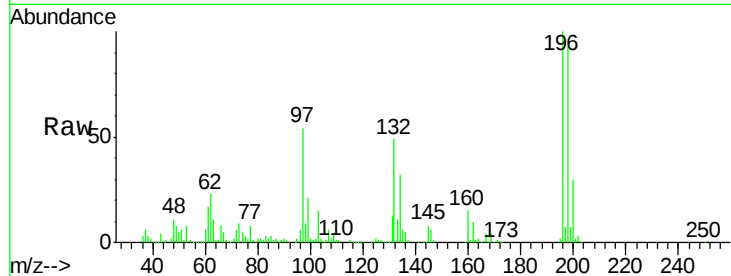
Tot Ion:196 Resp: 237481

Ion Ratio Lower Upper

196 100

198 92.7 75.7 113.5

200 30.1 24.5 36.7

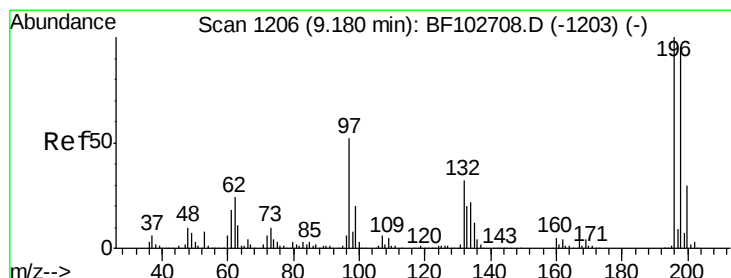
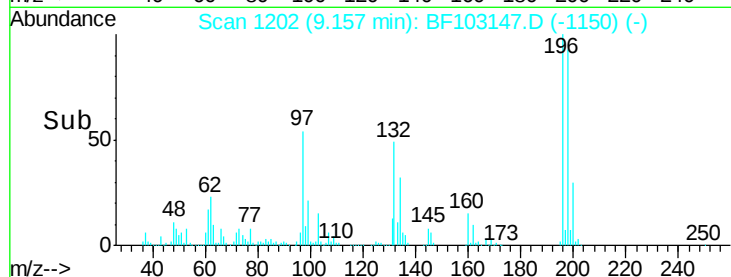
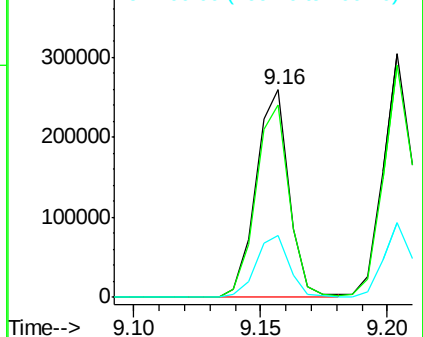


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#43

2,4,5-Trichlorophenol

Concen: 44.481 ng

RT: 9.20 min Scan# 1210

Delta R.T. 0.01 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

Tgt Ion:196 Resp: 246725

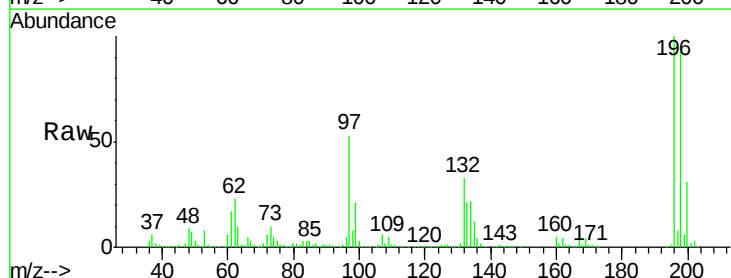
Ion Ratio Lower Upper

196 100

198 95.1 74.6 112.0

97 53.1 42.9 64.3

132 33.1 26.3 39.5



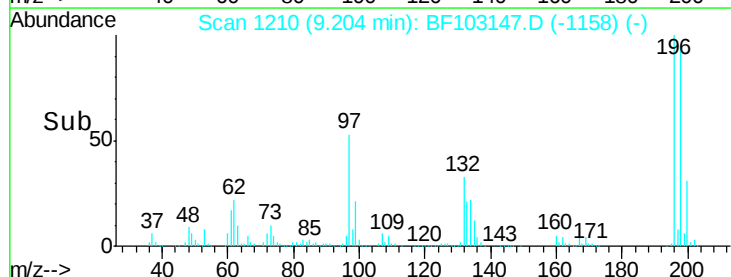
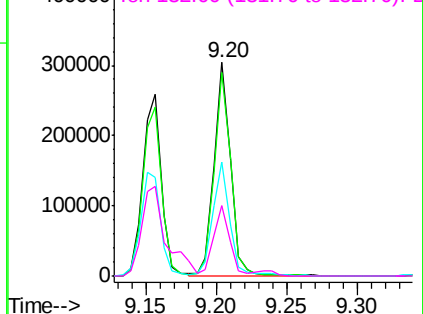
Abundance

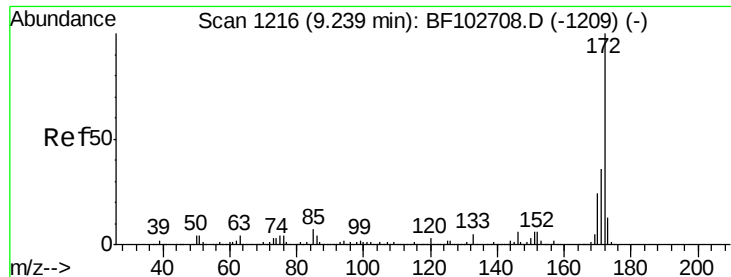
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E

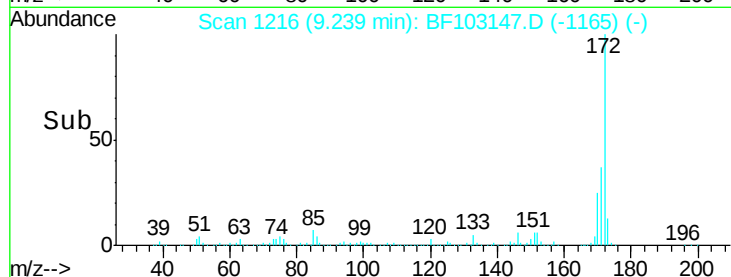
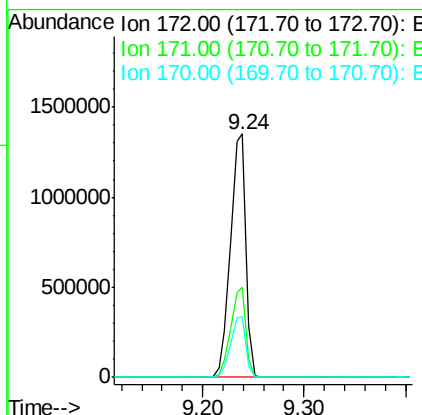
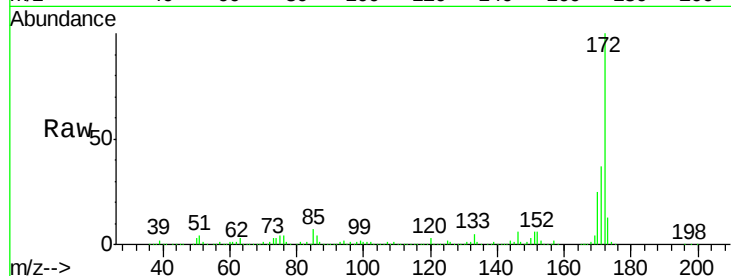




#44
 2-Fluorobiphenyl
 Concen: 86.135 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF103147.D
 Acq: 21 Feb 2018 20:05

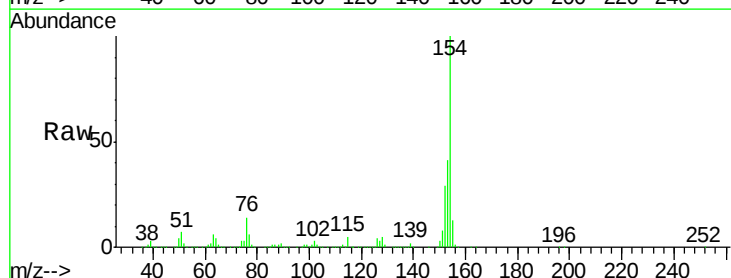
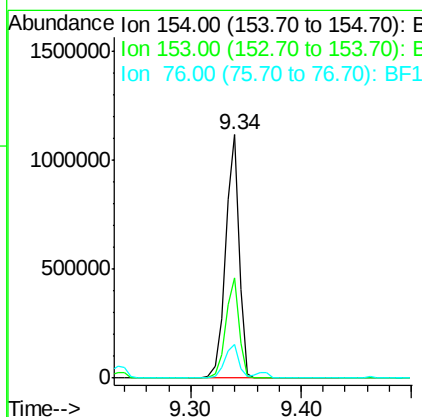
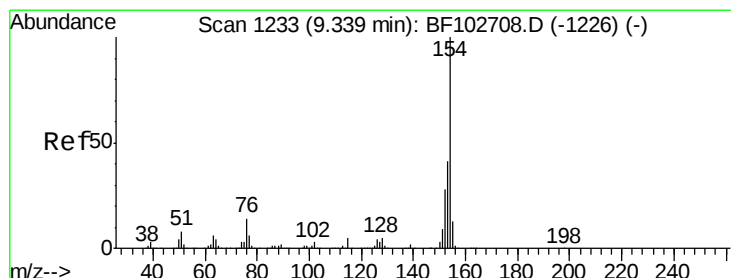
Instrument :
 BNA_F
 ClientSampleId :
 BUS-WASH-SLUDGE-PITMSD

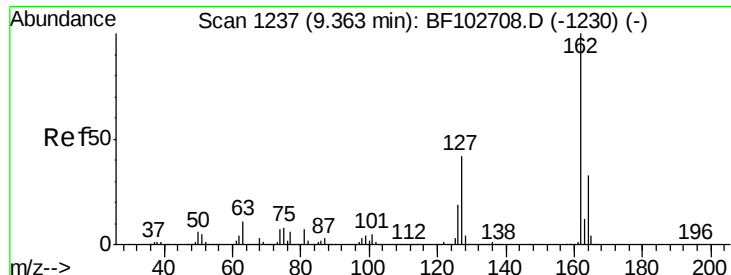
Tot Ion:172 Resp: 1428377
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.7 44.5
 170 25.0 19.6 29.4



#45
 1,1'-Biphenyl
 Concen: 41.184 ng
 RT: 9.34 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: BF103147.D
 Acq: 21 Feb 2018 20:05

Tgt Ion:154 Resp: 954532
 Ion Ratio Lower Upper
 154 100
 153 41.0 21.3 61.3
 76 13.6 0.0 34.0

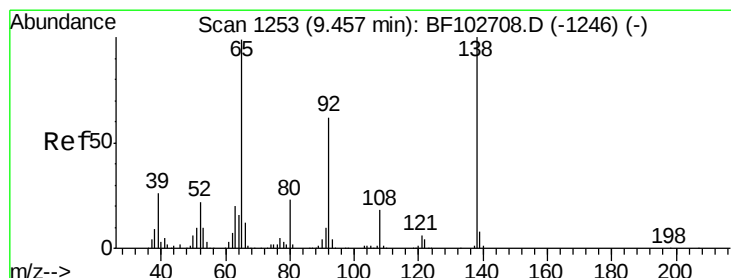
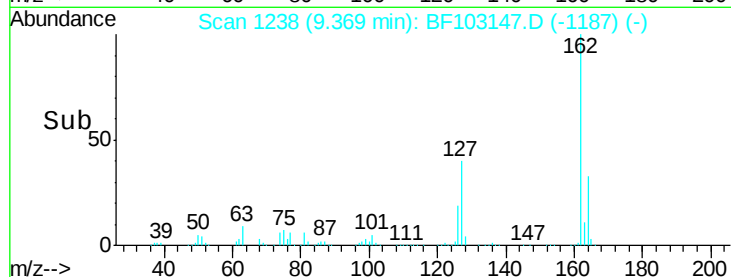
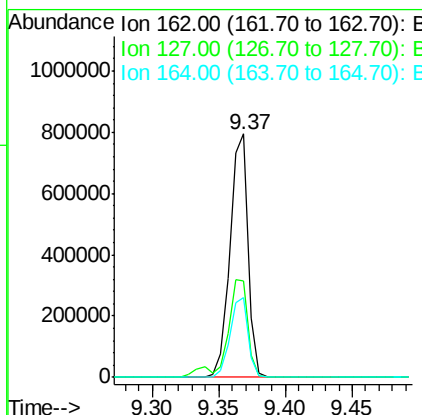
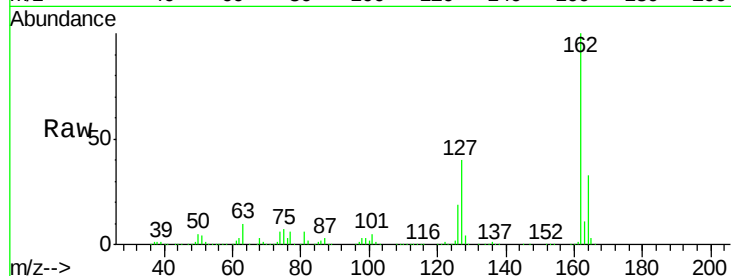




#46
2-Chloronaphthalene
Concen: 41.613 ng
RT: 9.37 min Scan# 1238
Delta R.T. -0.00 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

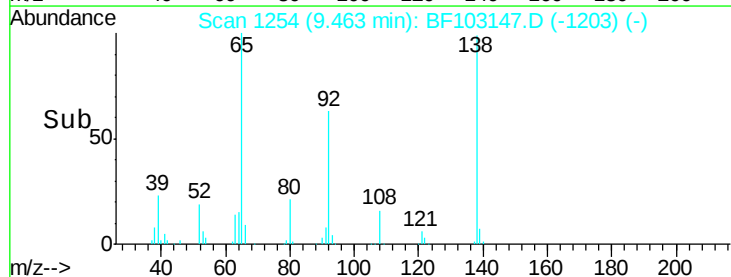
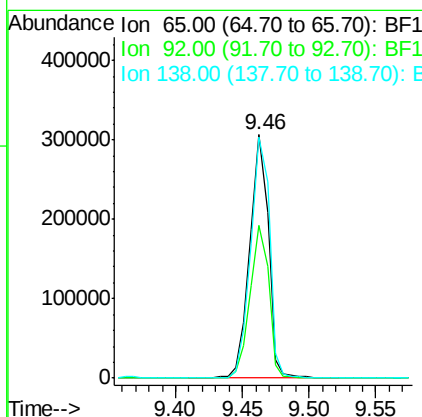
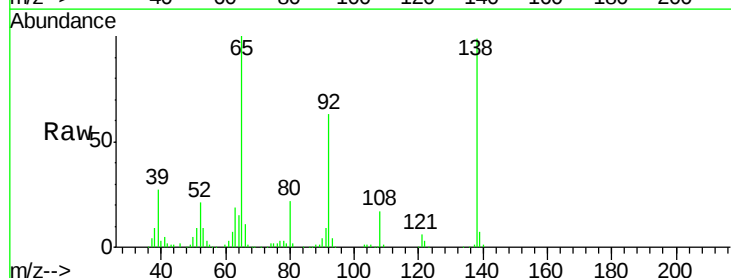
Instrument :
BNA_F
ClientSampleId :
BUS-WASH-SLUDGE-PITMSD

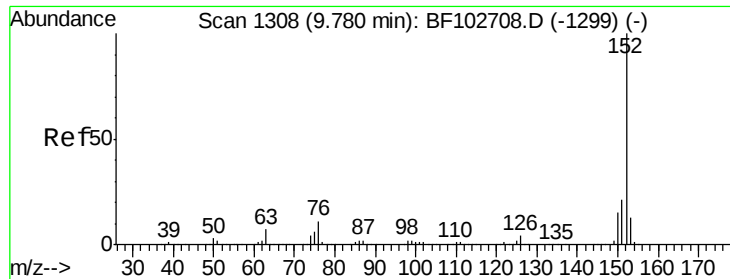
Tot Ion	Ratio	Lower	Upper
162	100		
127	39.7	33.9	50.9
164	32.7	26.5	39.7



#47
2-Nitroaniline
Concen: 51.607 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.00 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

Tgt Ion	Ratio	Lower	Upper
65	100		
92	62.9	55.8	83.6
138	98.9	91.2	136.8





#48

Acenaphthylene

Concen: 39.597 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.00 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

Instrument :

BNA_F

ClientSampleId :

BUS-WASH-SLUDGE-PITMSD

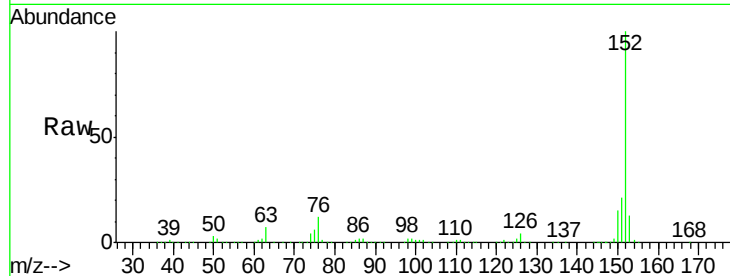
Tot Ion:152 Resp: 1122175

Ion Ratio Lower Upper

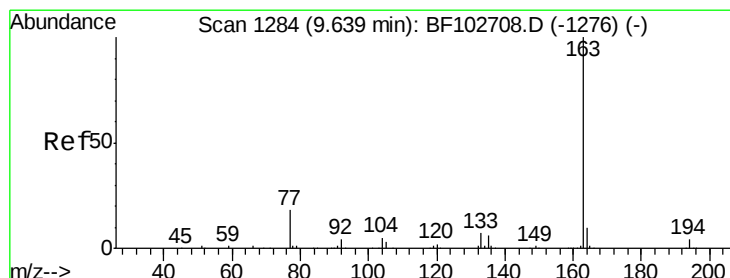
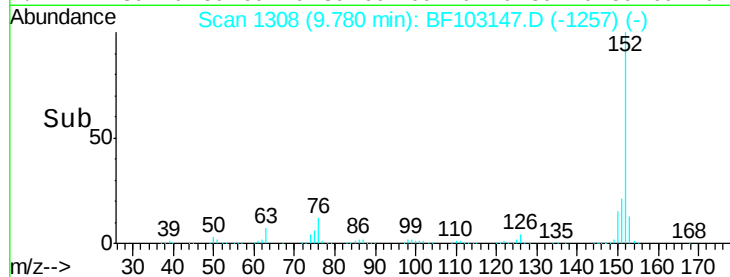
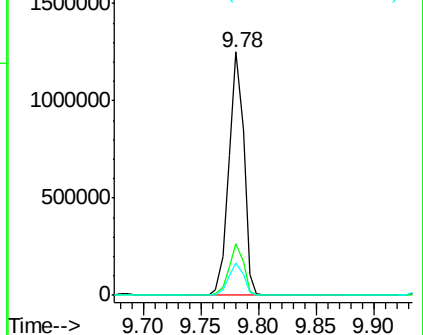
152 100

151 21.3 16.3 24.5

153 13.3 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 45.815 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

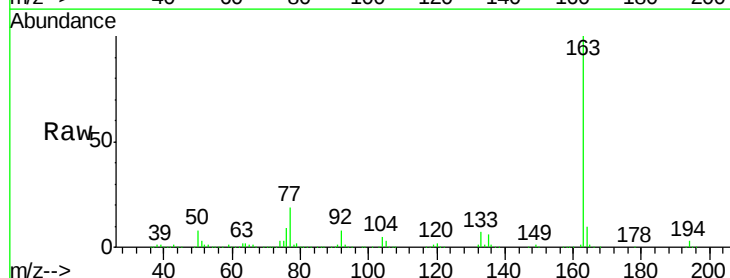
Tgt Ion:163 Resp: 982983

Ion Ratio Lower Upper

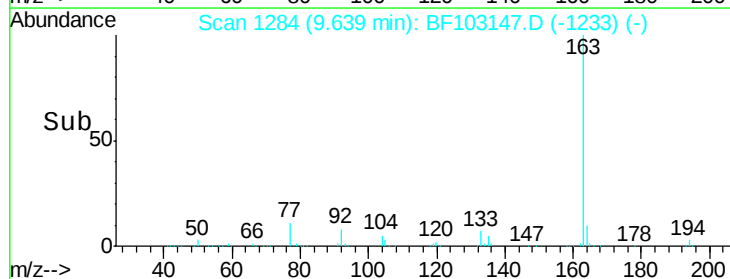
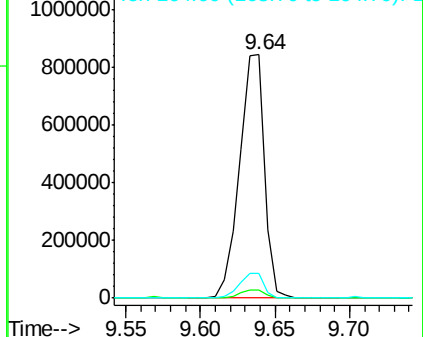
163 100

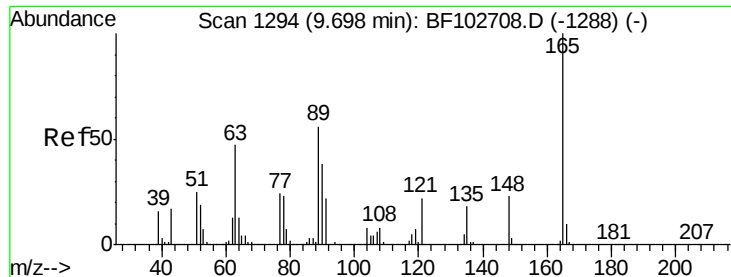
194 3.4 2.7 4.1

164 9.9 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

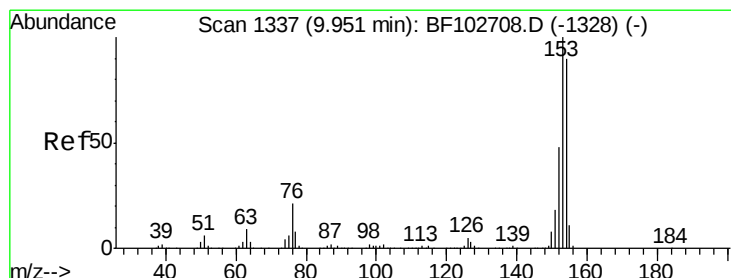
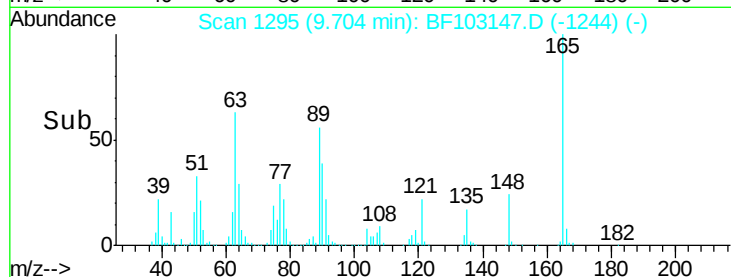
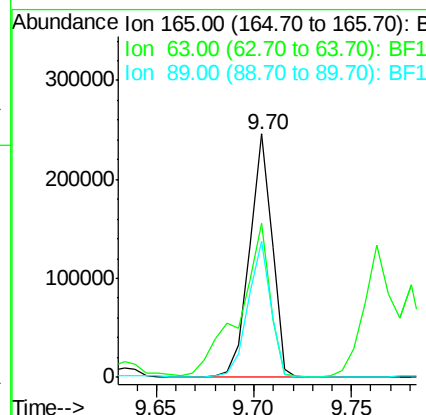
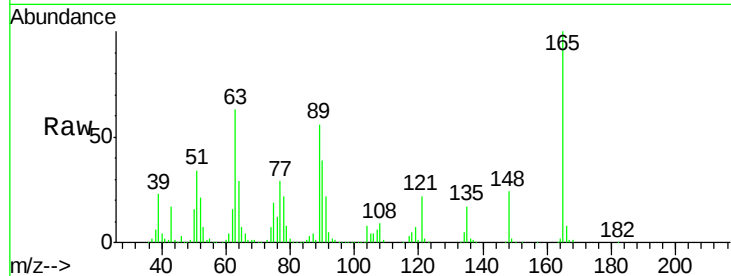




#50
 2,6-Dinitrotoluene
 Concen: 48.515 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.00 min
 Lab File: BF103147.D
 Acq: 21 Feb 2018 20:05

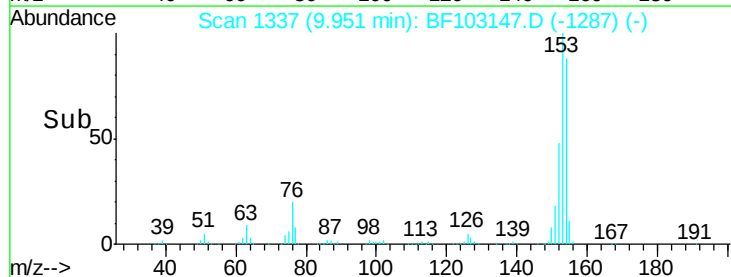
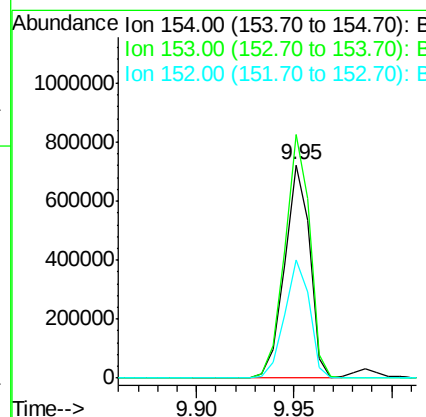
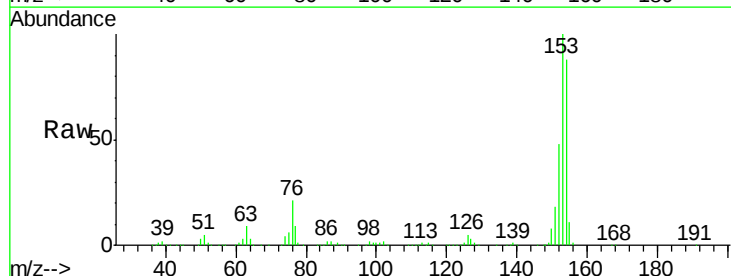
Instrument :
 BNA_F
 ClientSampleId :
 BUS-WASH-SLUDGE-PITMSD

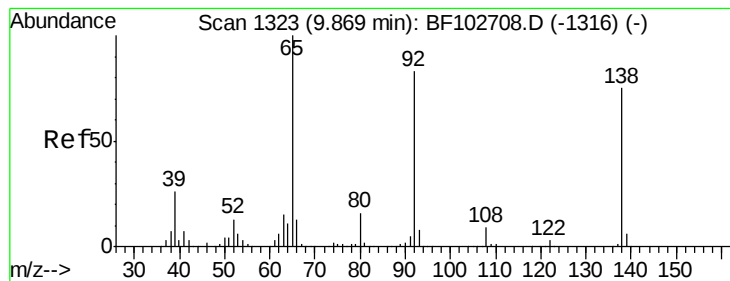
Tot Ion	Ratio	Lower	Upper
165	100		
63	63.0	44.7	67.1
89	55.7	44.0	66.0



#51
 Acenaphthene
 Concen: 38.074 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF103147.D
 Acq: 21 Feb 2018 20:05

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.2	91.2	136.8
152	55.2	43.8	65.8





#52

3-Nitroaniline

Concen: 12.110 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.00 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

Instrument :

BNA_F

ClientSampleId :

BUS-WASH-SLUDGE-PITMSD

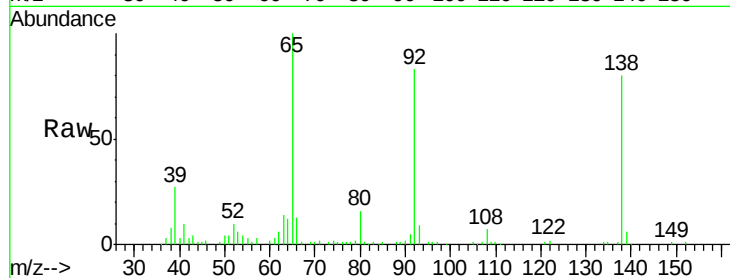
Tot Ion:138 Resp: 60825

Ion Ratio Lower Upper

138 100

108 9.4 9.4 14.0

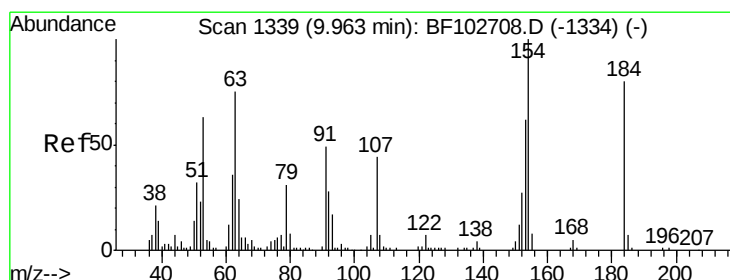
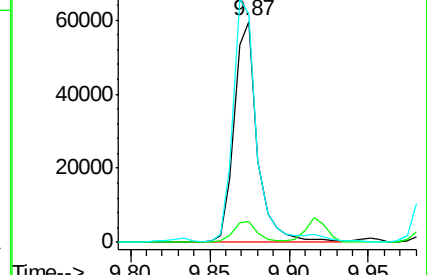
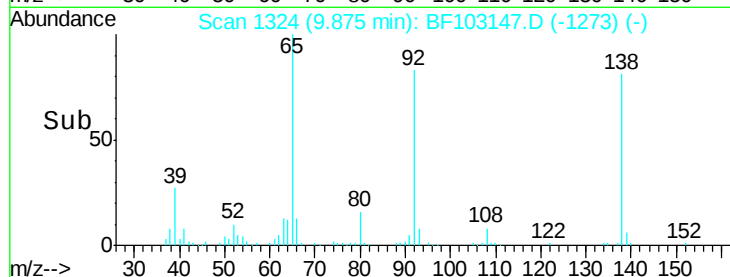
92 103.7 89.4 134.2



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#53

2,4-Dinitrophenol

Concen: 48.832 ng

RT: 9.99 min Scan# 1343

Delta R.T. 0.01 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

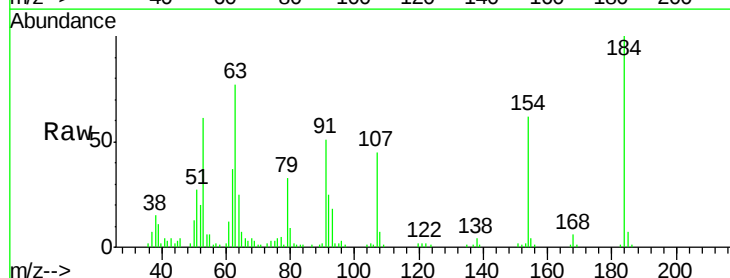
Tgt Ion:184 Resp: 47703

Ion Ratio Lower Upper

184 100

63 77.2 54.2 81.2

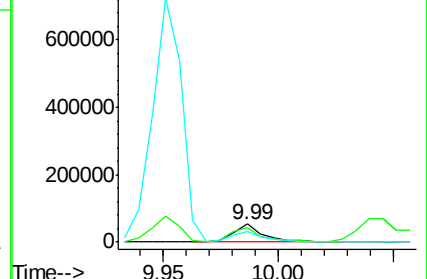
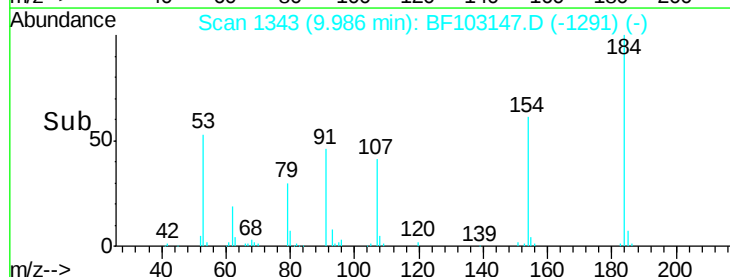
154 61.6 184.0 276.0#

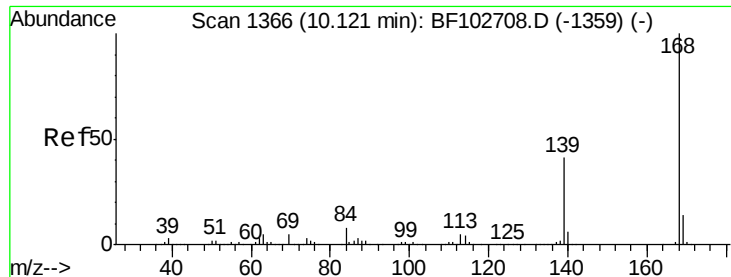


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

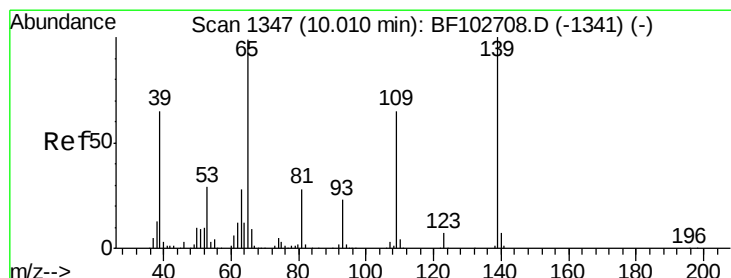
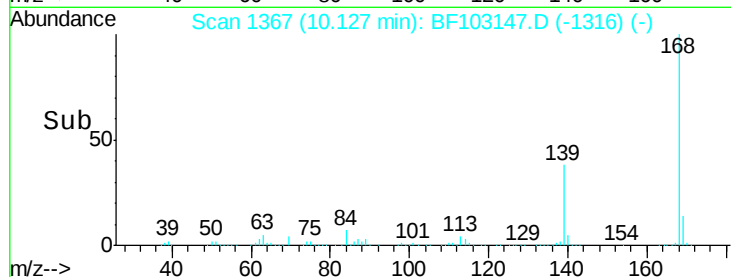
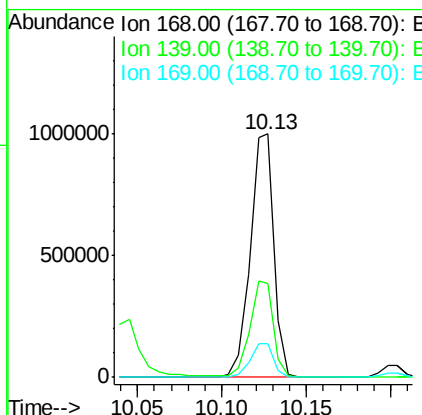
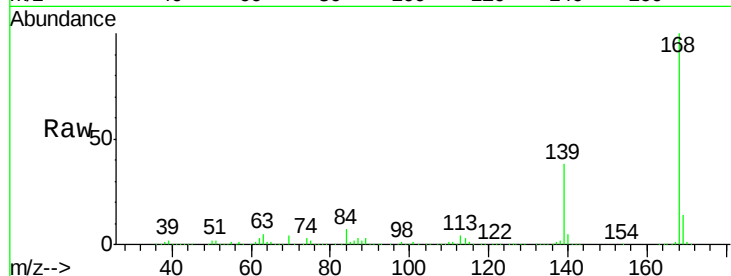




#54
Dibenzenofuran
Concen: 40.698 ng
RT: 10.13 min Scan# 1367
Delta R.T. -0.00 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

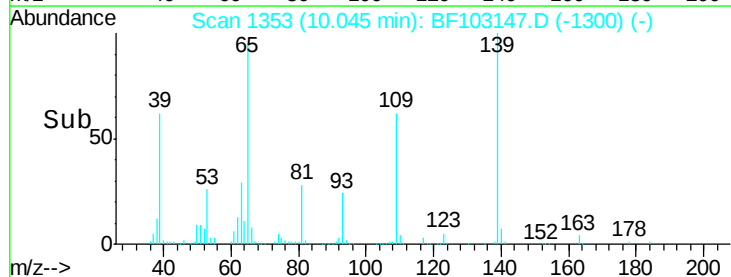
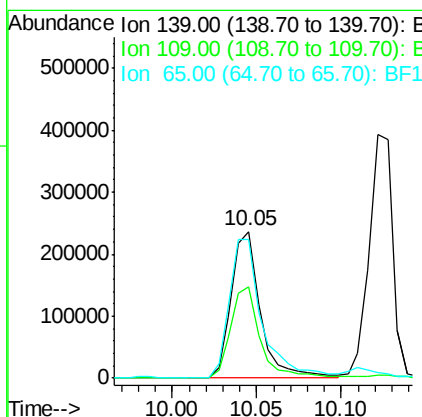
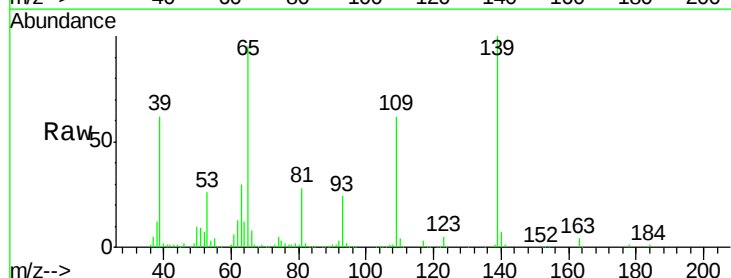
Instrument :
BNA_F
ClientSampleId :
BUS-WASH-SLUDGE-PITMSD

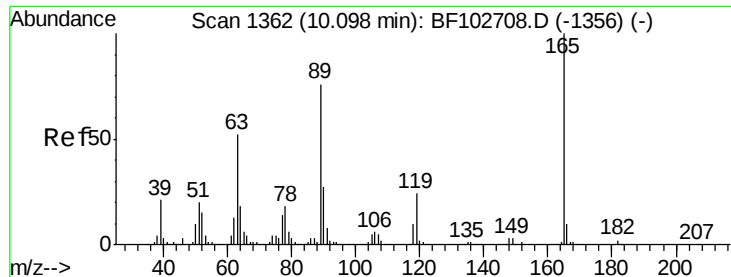
Tot Ion:168 Resp: 972062
Ion Ratio Lower Upper
168 100
139 38.5 30.1 45.1
169 13.8 10.9 16.3



#55
4-Nitrophenol
Concen: 69.265 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.01 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

Tgt Ion:139 Resp: 283547
Ion Ratio Lower Upper
139 100
109 62.3 48.4 88.4
65 95.0 72.6 112.6

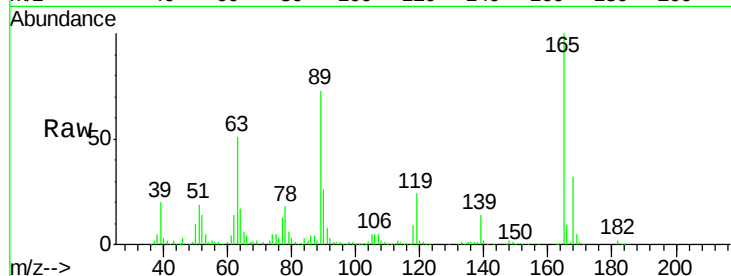




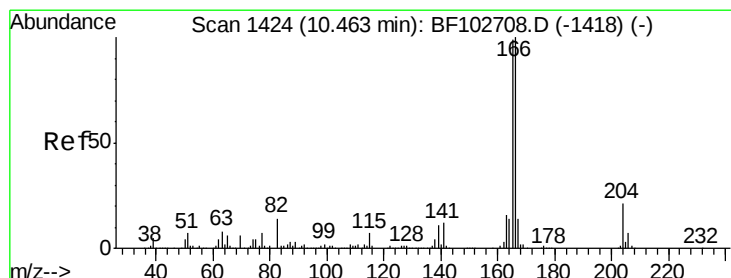
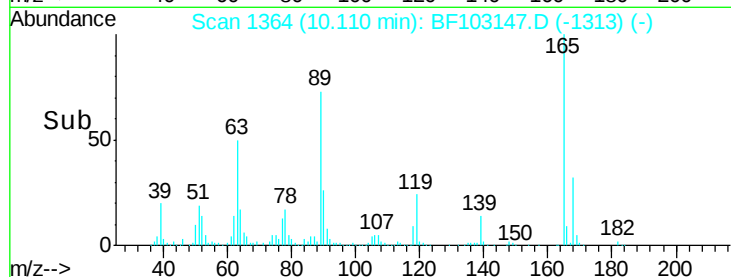
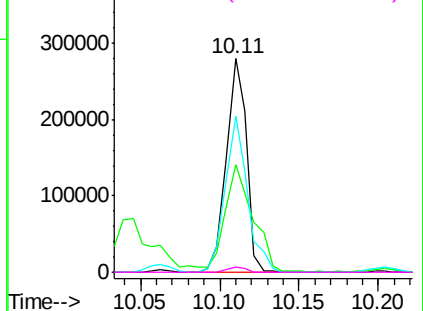
#56
2,4-Dinitrotoluene
Concen: 45.254 ng
RT: 10.11 min Scan# 1364
Delta R.T. -0.00 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

Instrument :
BNA_F
ClientSampleId :
BUS-WASH-SLUDGE-PITMSD

Tot Ion:165 Resp: 246720
Ion Ratio Lower Upper
165 100
63 50.6 36.4 54.6
89 73.1 57.8 86.6
182 2.3 1.6 2.4

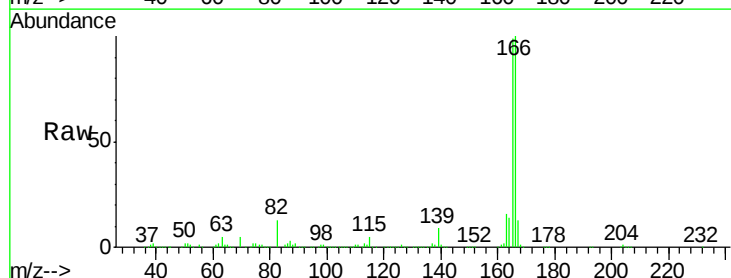


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

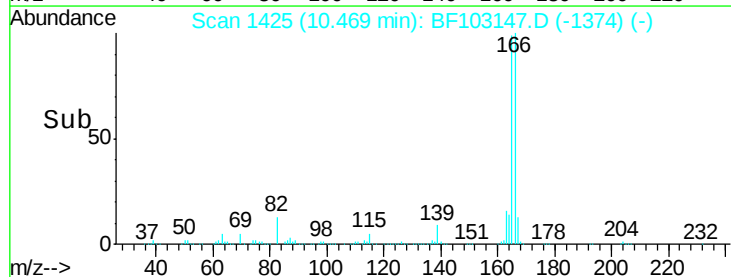
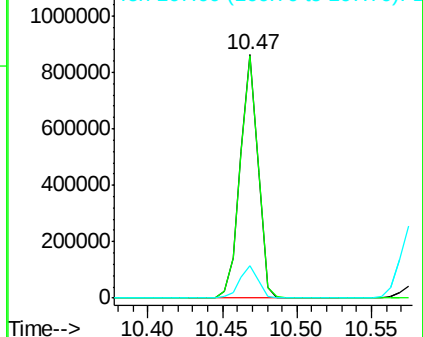


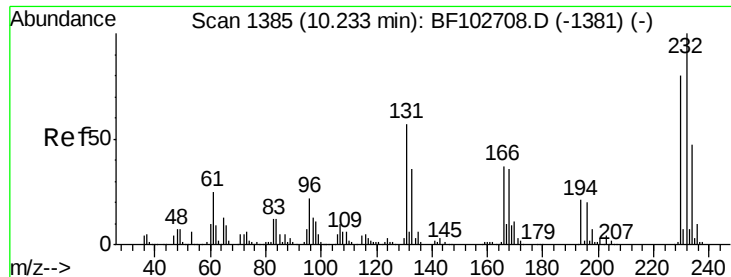
#57
Fluorene
Concen: 41.583 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.00 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

Tgt Ion:166 Resp: 722615
Ion Ratio Lower Upper
166 100
165 99.3 79.8 119.8
167 13.3 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

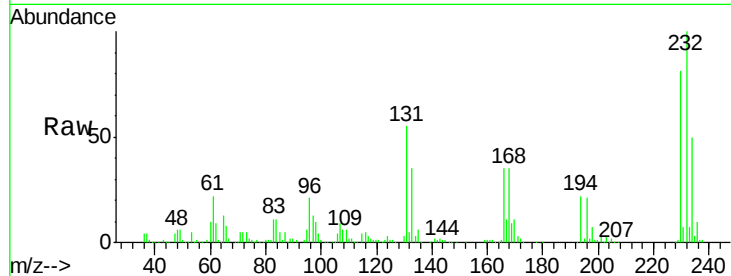




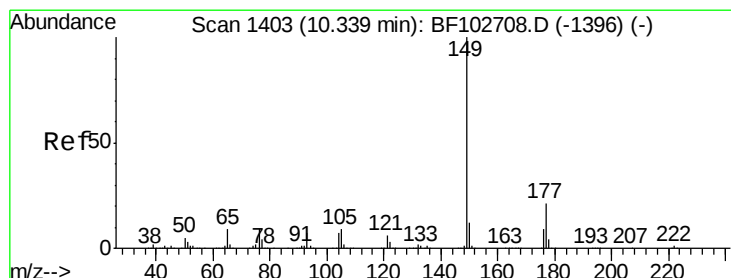
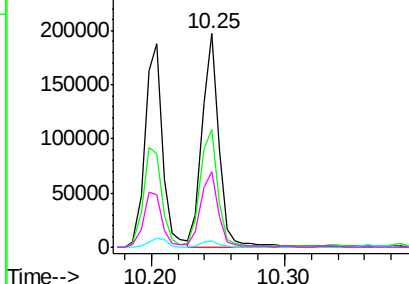
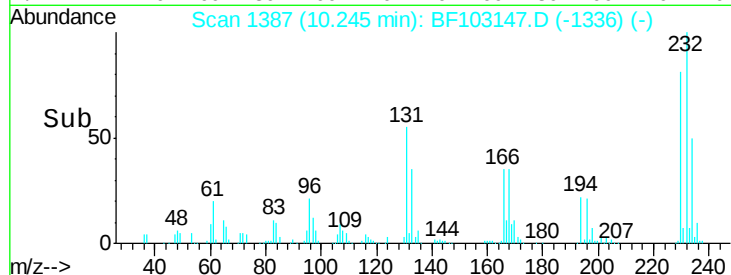
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 44.679 ng
 RT: 10.25 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: BF103147.D
 Acq: 21 Feb 2018 20:05

Instrument :
 BNA_F
 ClientSampleId :
 BUS-WASH-SLUDGE-PITMSD

Tot Ion:232 Resp: 171762
 Ion Ratio Lower Upper
 232 100
 131 57.2 43.8 65.8
 130 2.9 2.1 3.1
 166 36.7 27.8 41.6

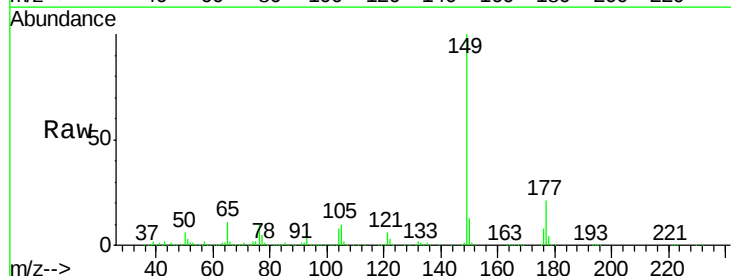


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

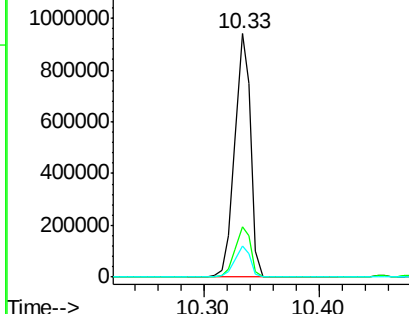
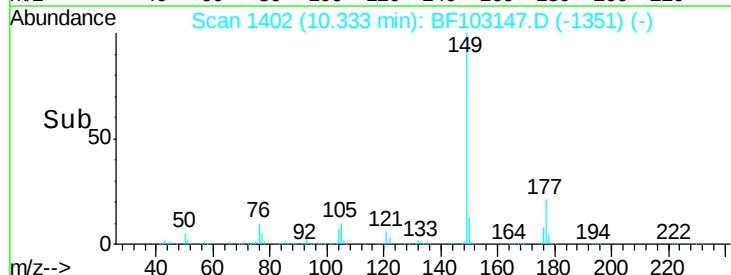


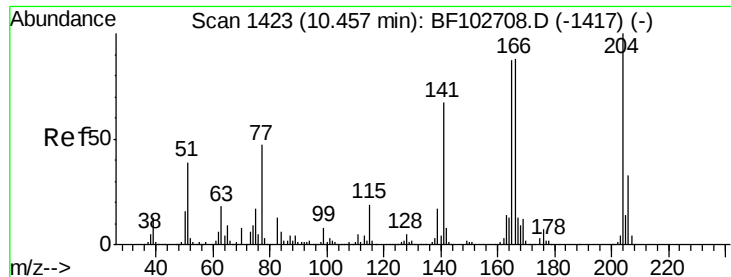
#59
 Diethylphthalate
 Concen: 41.872 ng
 RT: 10.33 min Scan# 1402
 Delta R.T. -0.00 min
 Lab File: BF103147.D
 Acq: 21 Feb 2018 20:05

Tgt Ion:149 Resp: 887077
 Ion Ratio Lower Upper
 149 100
 177 20.9 16.1 24.1
 150 12.7 10.1 15.1



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E

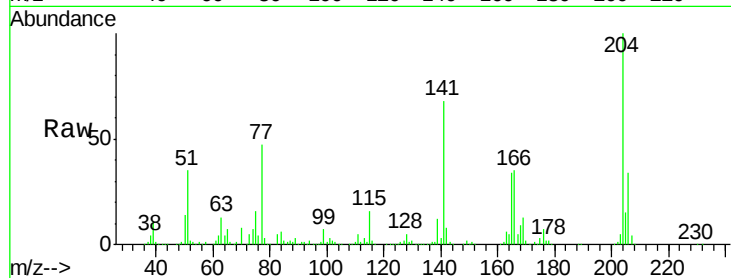




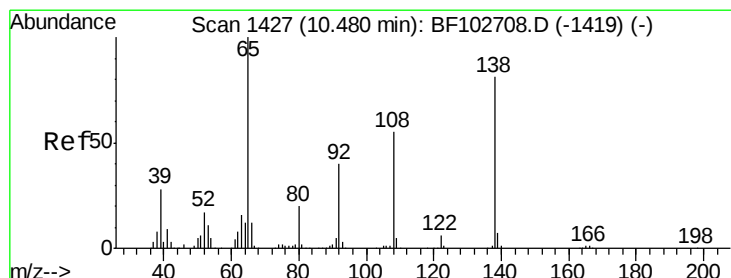
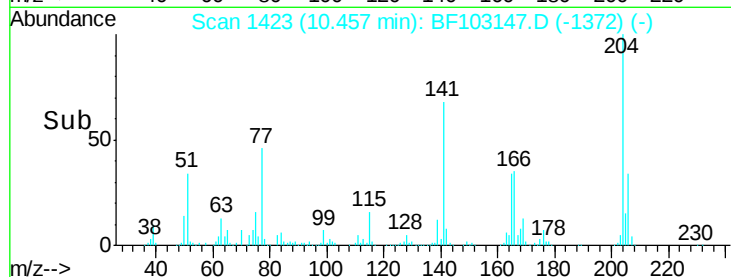
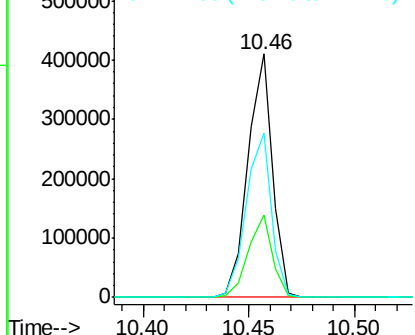
#60
4-Chlorophenyl-phenylether
Concen: 43.090 ng
RT: 10.46 min Scan# 1423
Delta R.T. -0.00 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

Instrument :
BNA_F
ClientSampleId :
BUS-WASH-SLUDGE-PITMSD

Tot Ion:204 Resp: 331252
Ion Ratio Lower Upper
204 100
206 33.7 26.5 39.7
141 67.6 54.6 81.8

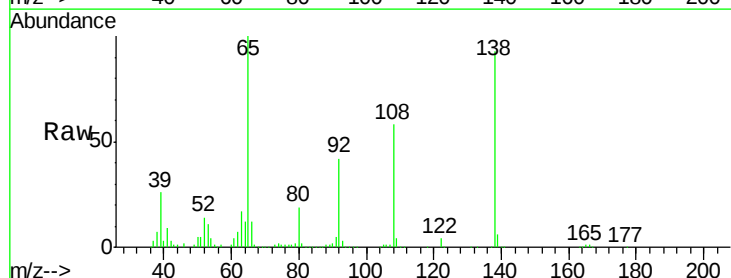


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

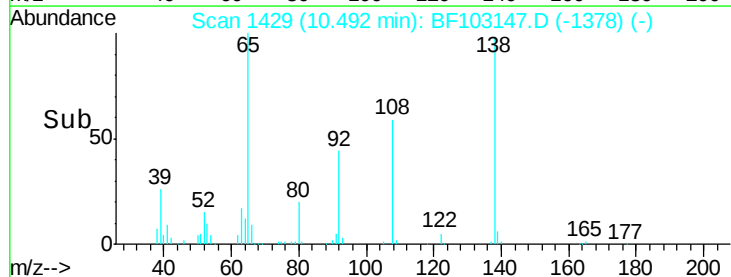
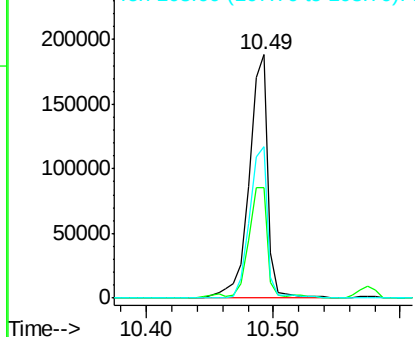


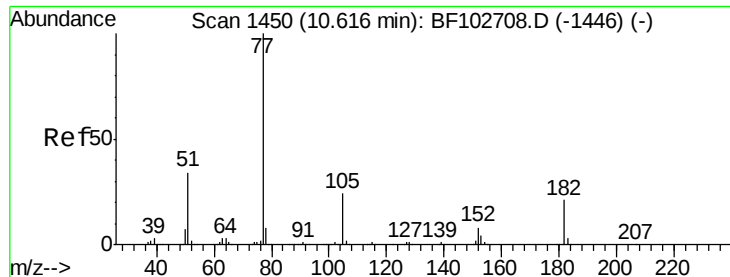
#61
4-Nitroaniline
Concen: 40.374 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.00 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

Tgt Ion:138 Resp: 193023
Ion Ratio Lower Upper
138 100
92 45.6 30.2 70.2
108 62.3 52.5 92.5



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E





#62

Azobenzene

Concen: 39.447 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

Instrument :

BNA_F

ClientSampleId :

BUS-WASH-SLUDGE-PITMSD

Tot Ion: 77 Resp: 834878

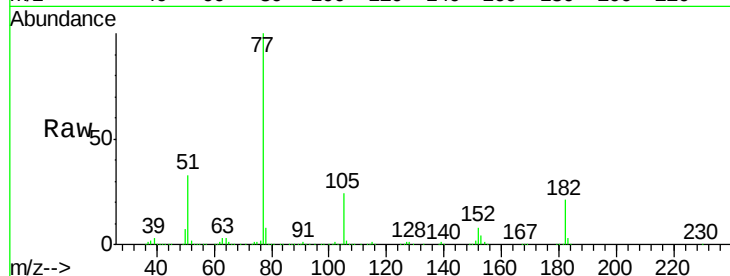
Ion Ratio Lower Upper

77 100

182 20.9 1.7 41.7

105 24.3 3.0 43.0

51 32.7 9.9 49.9

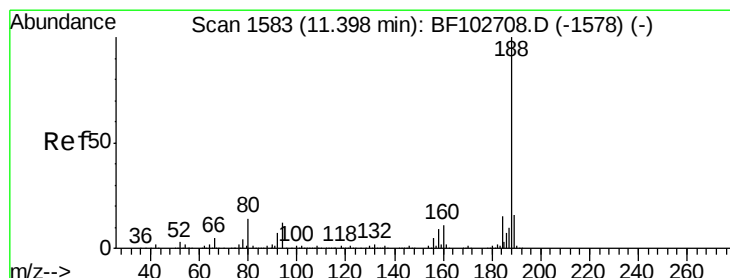
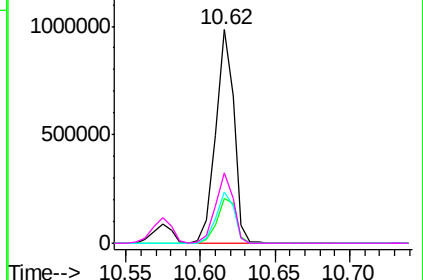
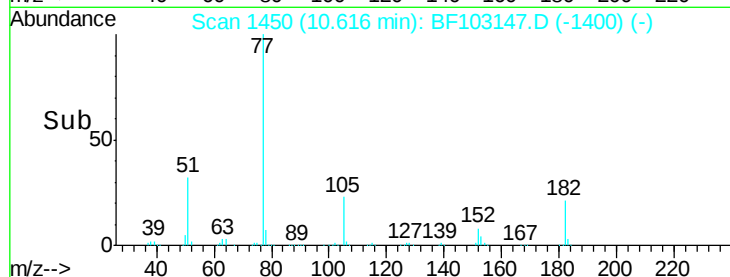


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

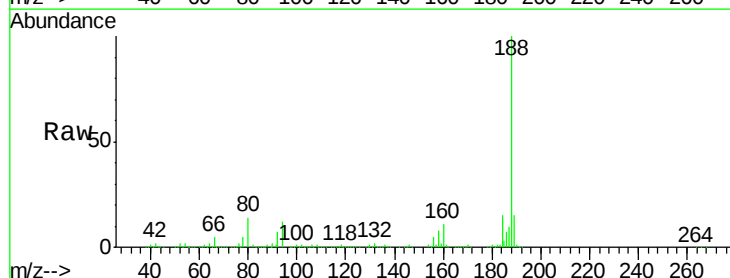
Tgt Ion: 188 Resp: 398972

Ion Ratio Lower Upper

188 100

94 12.0 8.5 12.7

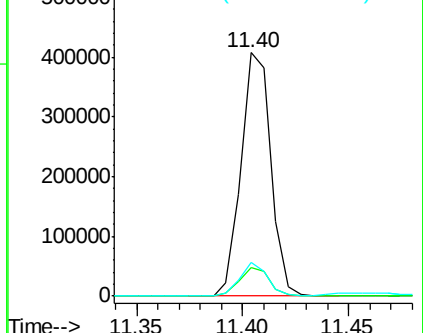
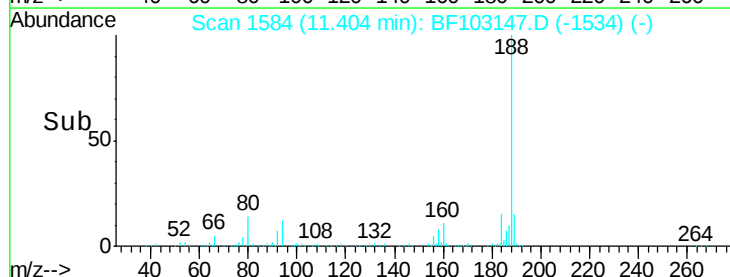
80 14.1 9.2 13.8#

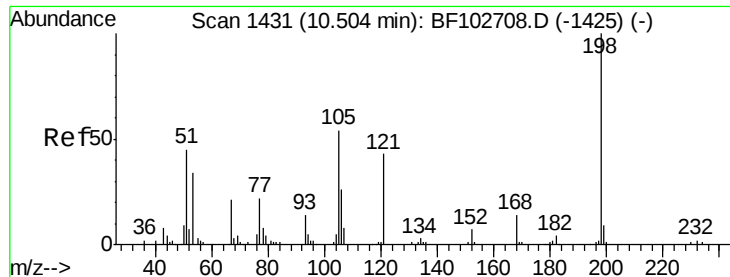


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 26.618 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.00 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

Instrument :

BNA_F

ClientSampleId :

BUS-WASH-SLUDGE-PITMSD

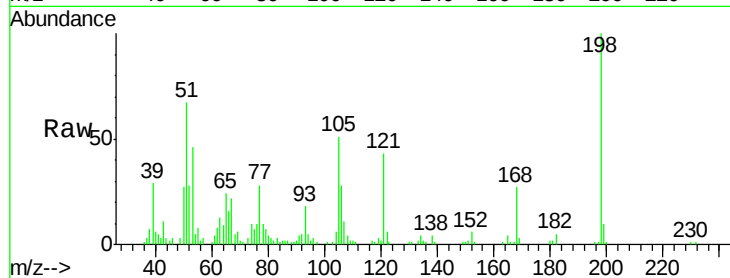
Tot Ion:198 Resp: 33881

Ion Ratio Lower Upper

198 100

51 66.5 37.7 77.7

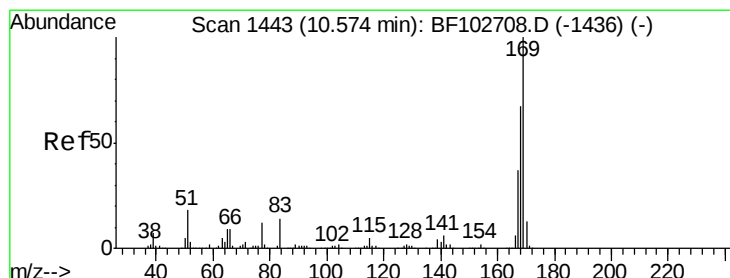
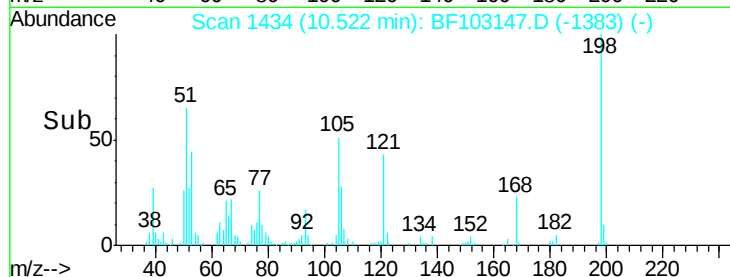
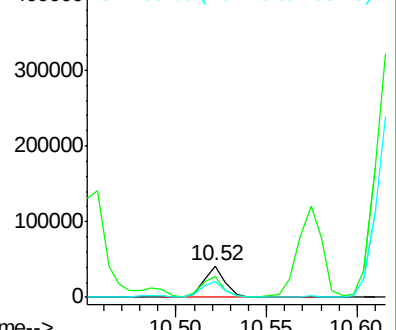
105 51.5 36.3 76.3



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 47.137 ng

RT: 10.57 min Scan# 1443

Delta R.T. -0.01 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

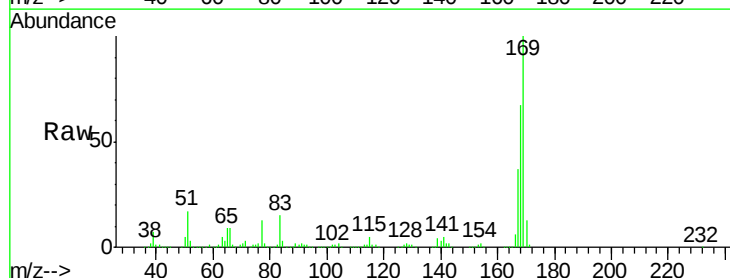
Tgt Ion:169 Resp: 663349

Ion Ratio Lower Upper

169 100

168 67.4 54.4 81.6

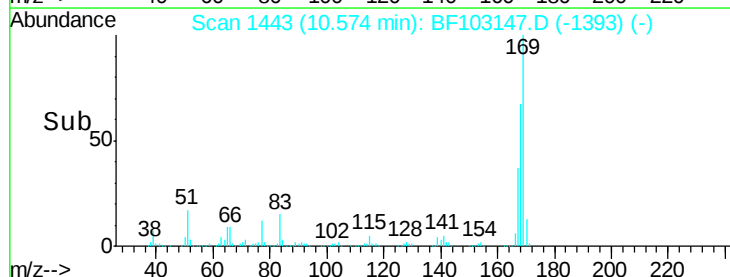
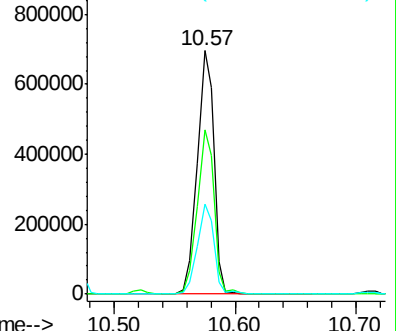
167 36.9 29.8 44.6

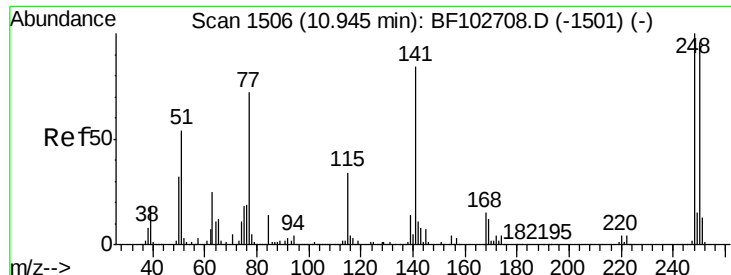


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

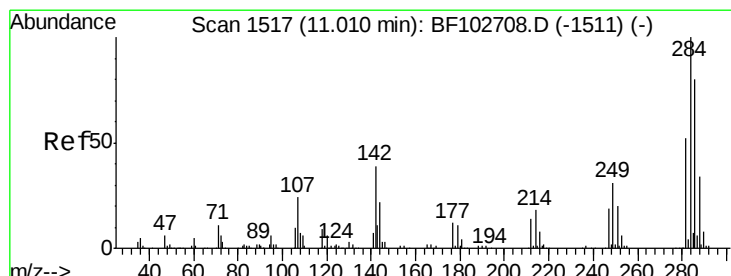
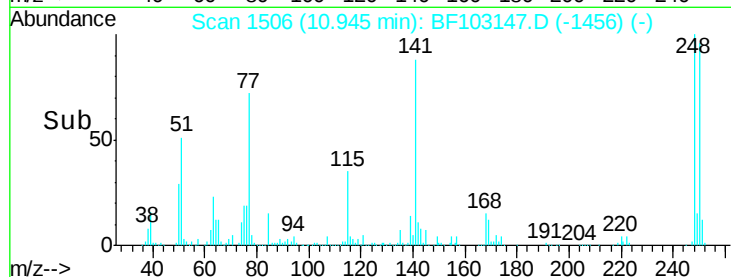
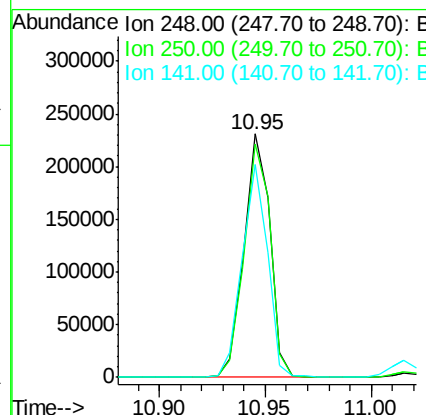
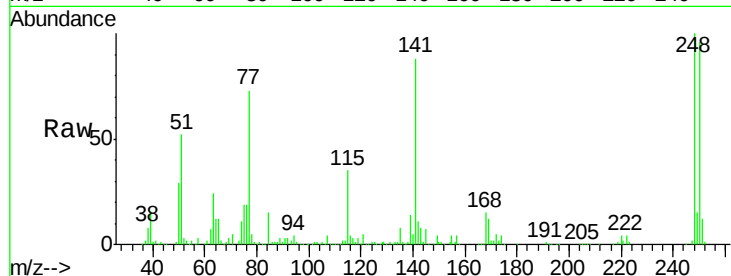




#66
 4-Bromophenyl-phenylether
 Concen: 46.271 ng
 RT: 10.95 min Scan# 1506
 Delta R.T. -0.01 min
 Lab File: BF103147.D
 Acq: 21 Feb 2018 20:05

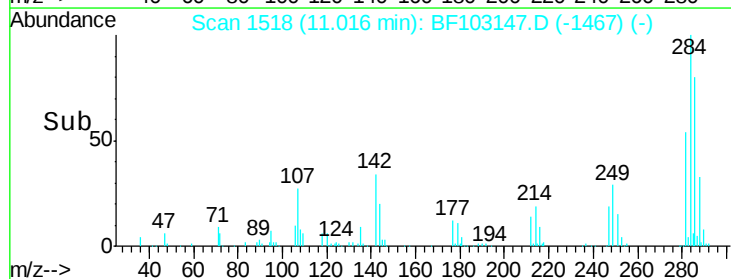
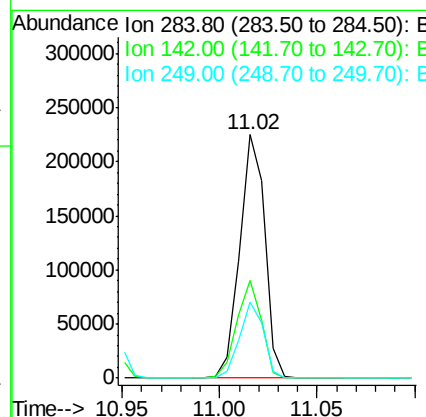
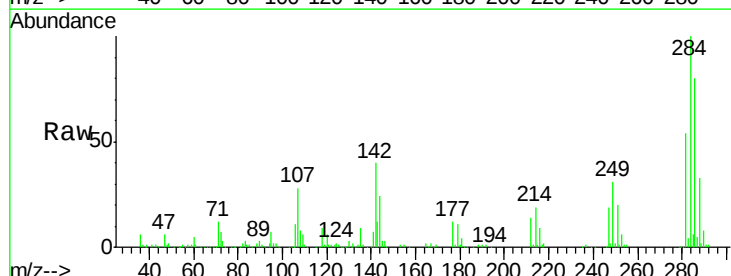
Instrument :
 BNA_F
 ClientSampleId :
 BUS-WASH-SLUDGE-PITMSD

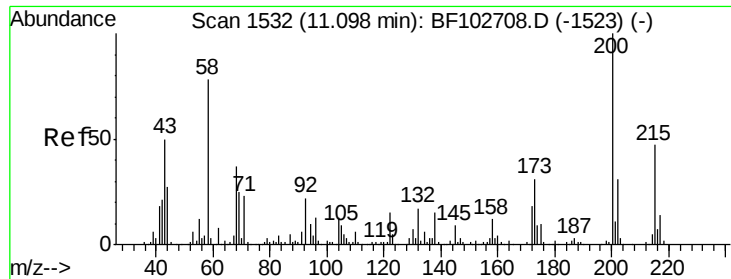
Tot Ion	Ratio	Lower	Upper
248	100		
250	95.8	76.9	115.3
141	87.5	74.4	111.6



#67
 Hexachlorobenzene
 Concen: 43.028 ng
 RT: 11.02 min Scan# 1518
 Delta R.T. -0.00 min
 Lab File: BF103147.D
 Acq: 21 Feb 2018 20:05

Tgt Ion	Ratio	Lower	Upper
284	100		
142	40.1	34.6	52.0
249	31.1	24.8	37.2

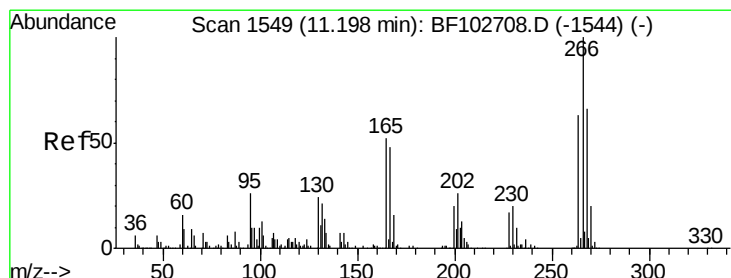
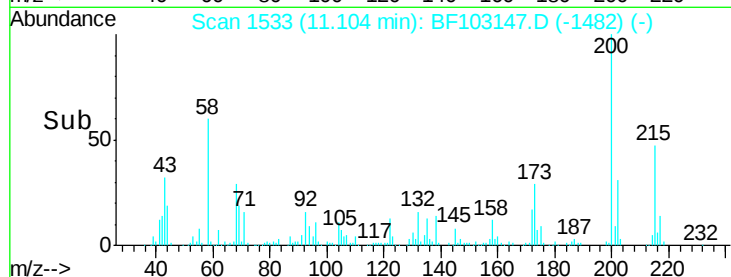
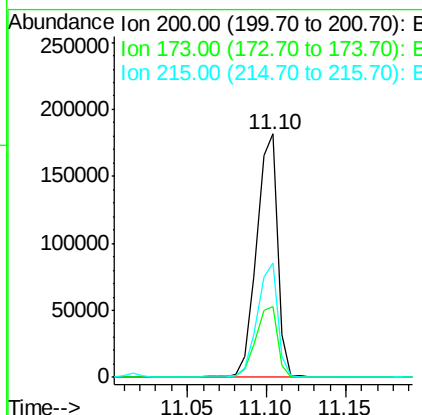
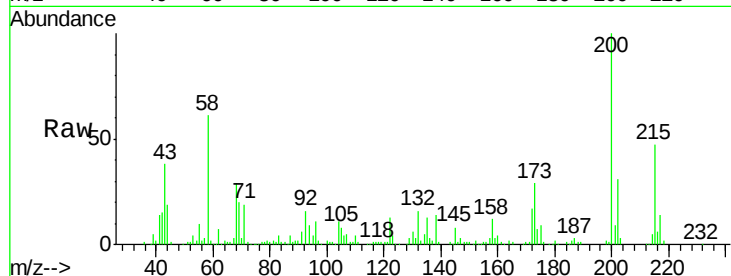




#68
Atrazine
Concen: 40.495 ng
RT: 11.10 min Scan# 1533
Delta R.T. -0.00 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

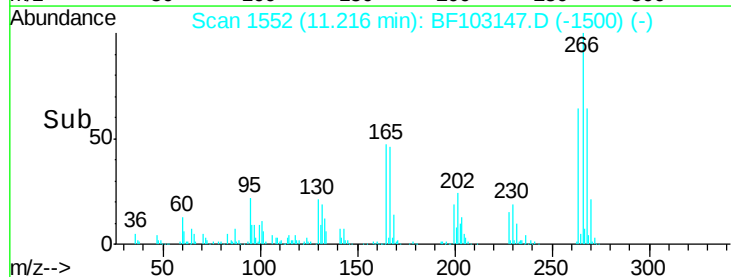
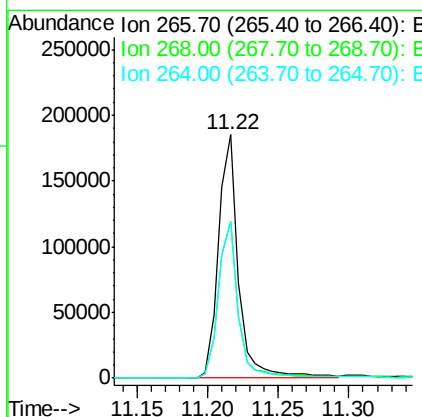
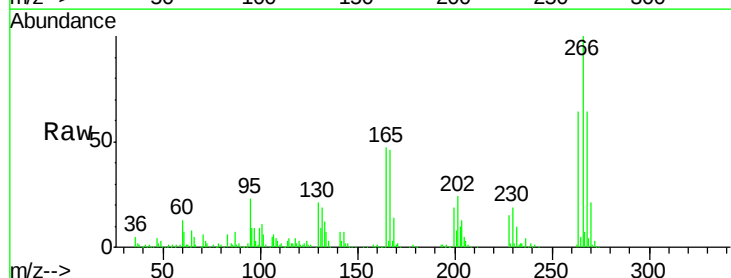
Instrument :
BNA_F
ClientSampleId :
BUS-WASH-SLUDGE-PITMSD

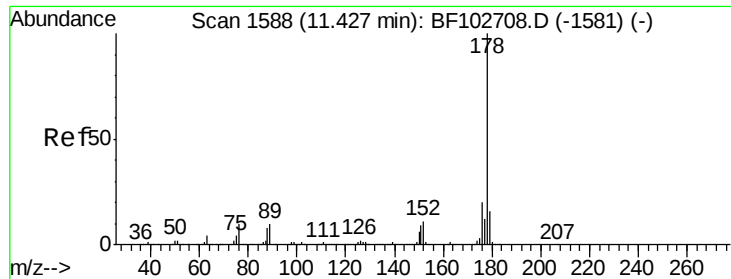
Tot Ion:200 Resp: 168120
Ion Ratio Lower Upper
200 100
173 29.3 8.6 48.6
215 47.2 25.1 65.1



#69
Pentachlorophenol
Concen: 67.308 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.01 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

Tgt Ion:266 Resp: 183959
Ion Ratio Lower Upper
266 100
268 64.1 51.1 76.7
264 64.3 49.5 74.3

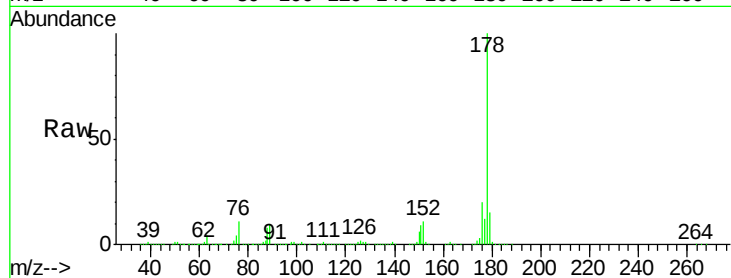




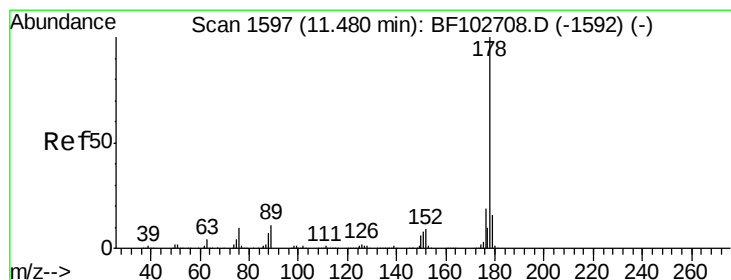
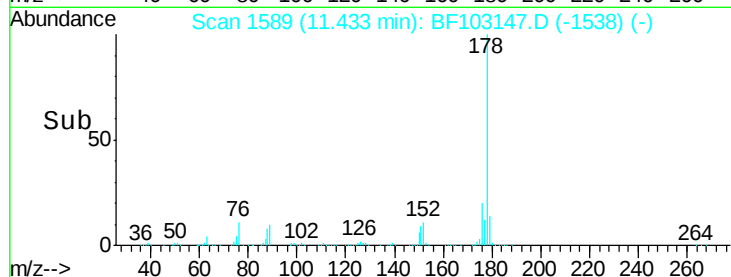
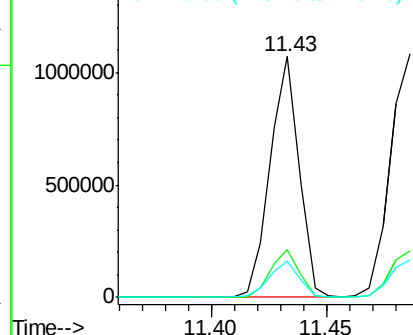
#70
Phenanthrene
Concen: 42.045 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

Instrument :
BNA_F
ClientSampleId :
BUS-WASH-SLUDGE-PITMSD

Tot Ion:178 Resp: 934245
Ion Ratio Lower Upper
178 100
176 20.1 15.8 23.8
179 15.3 13.0 19.6

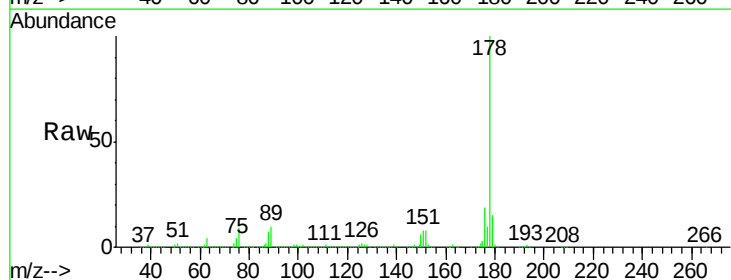


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

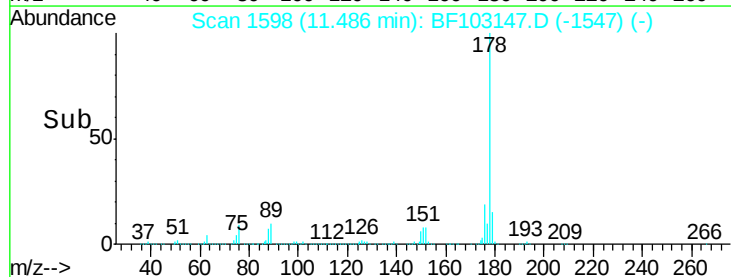
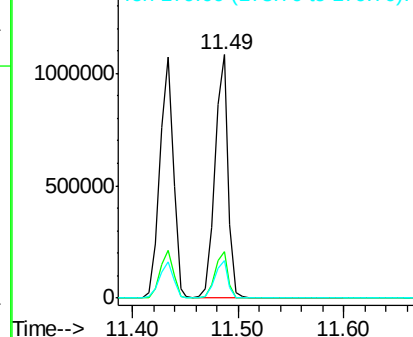


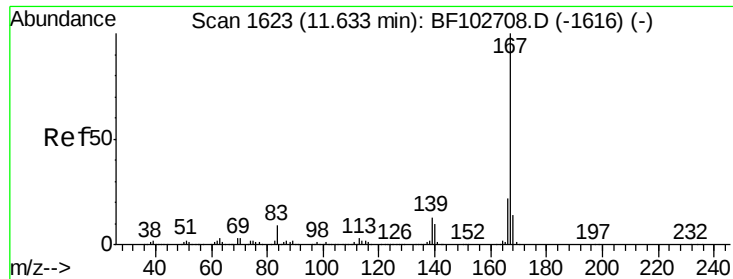
#71
Anthracene
Concen: 41.912 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.00 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

Tgt Ion:178 Resp: 947206
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.5 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 41.009 ng

RT: 11.64 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

Instrument :

BNA_F

ClientSampleId :

BUS-WASH-SLUDGE-PITMSD

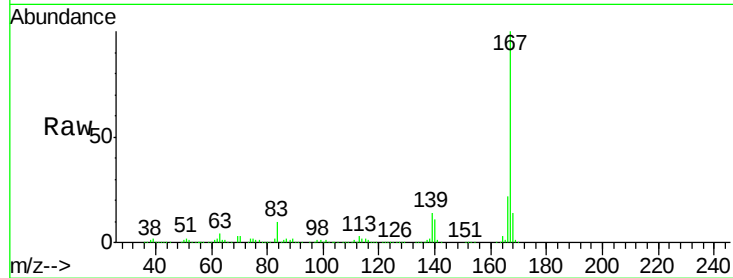
Tot Ion:167 Resp: 907980

Ion Ratio Lower Upper

167 100

166 22.1 17.6 26.4

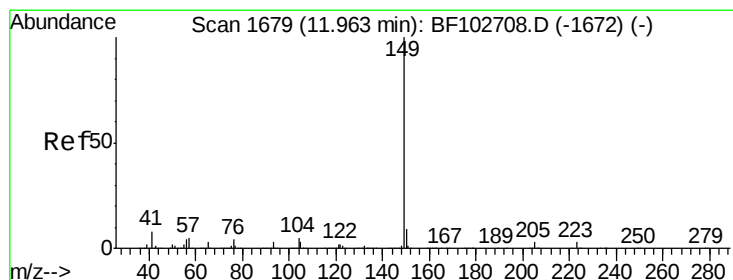
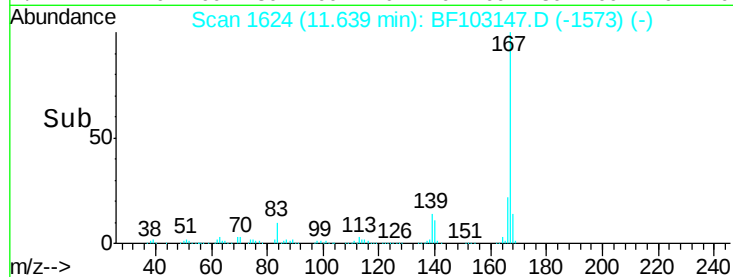
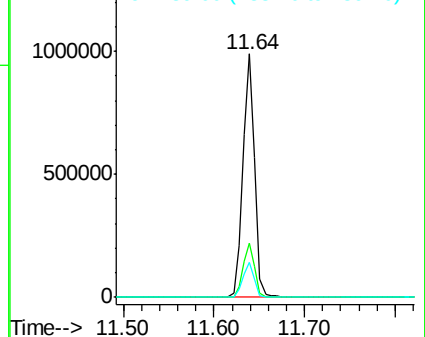
139 14.3 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 47.251 ng

RT: 11.96 min Scan# 1678

Delta R.T. -0.01 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

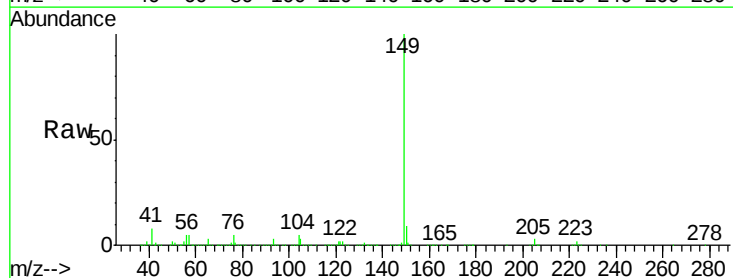
Tgt Ion:149 Resp: 1270825

Ion Ratio Lower Upper

149 100

150 9.3 7.8 11.6

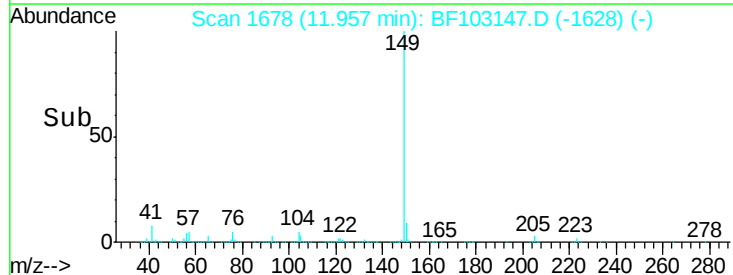
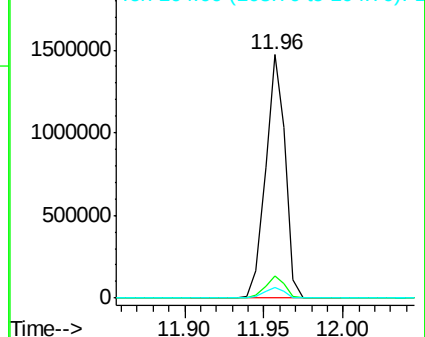
104 4.6 3.8 5.8

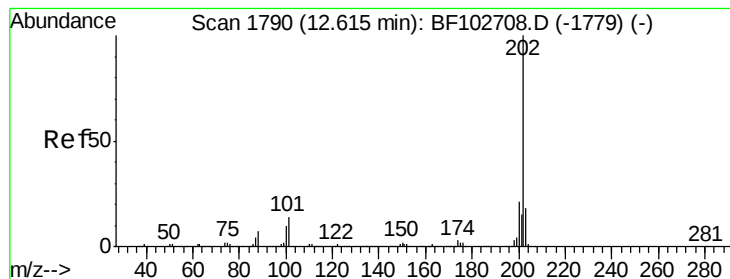


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 38.640 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

Instrument :

BNA_F

ClientSampleId :

BUS-WASH-SLUDGE-PITMSD

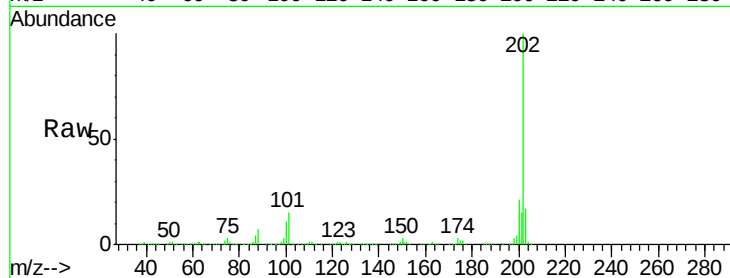
Tot Ion:202 Resp: 863844

Ion Ratio Lower Upper

202 100

101 14.6 0.0 34.1

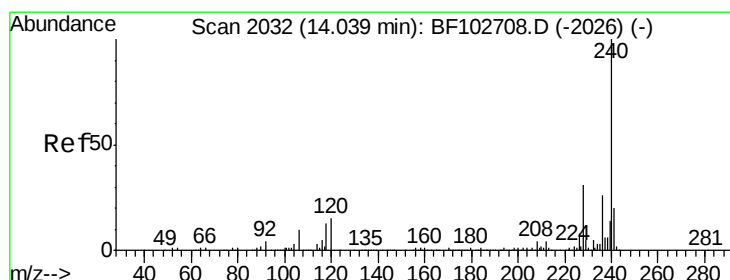
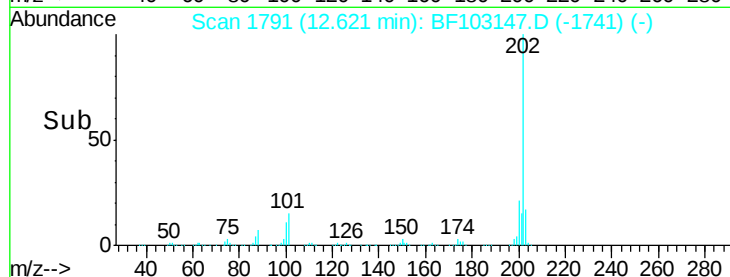
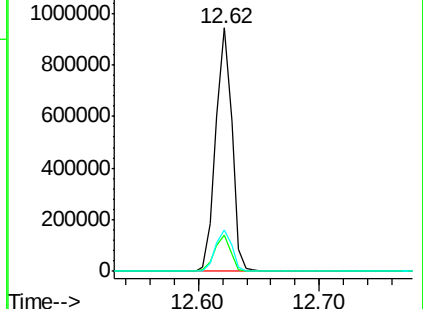
203 17.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

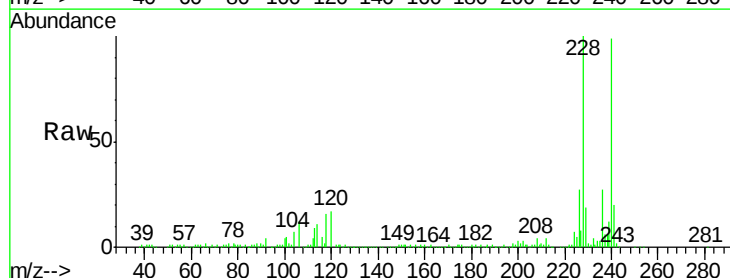
Tgt Ion:240 Resp: 265424

Ion Ratio Lower Upper

240 100

120 17.0 9.5 14.3#

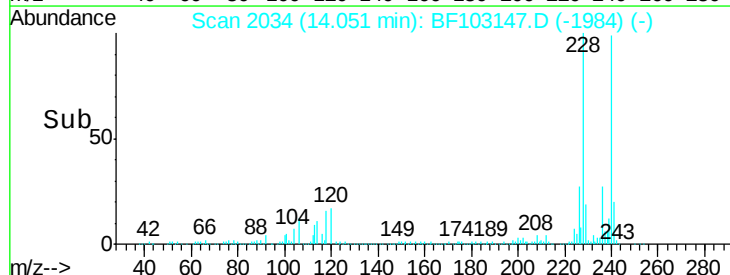
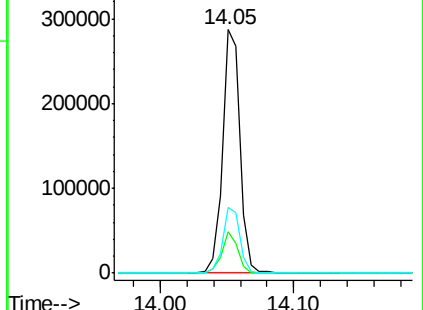
236 27.2 20.7 31.1

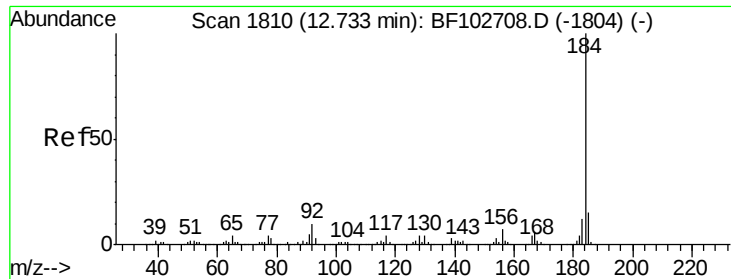


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 8.433 ng

RT: 12.74 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

Instrument :

BNA_F

ClientSampleId :

BUS-WASH-SLUDGE-PITMSD

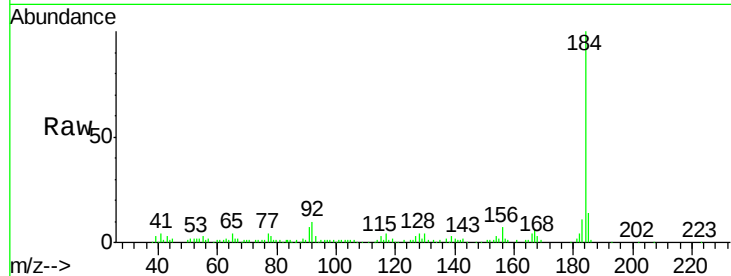
Tot Ion:184 Resp: 102878

Ion Ratio Lower Upper

184 100

185 14.0 12.6 18.8

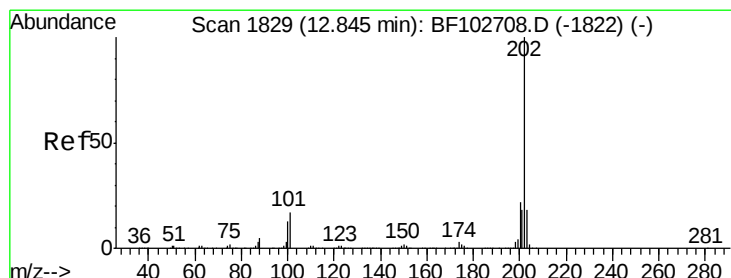
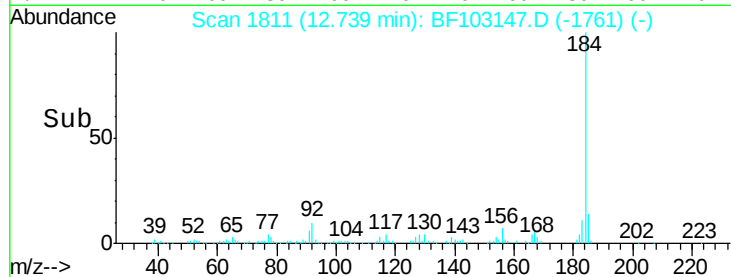
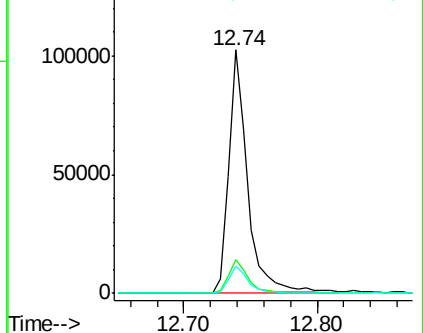
183 11.1 9.3 13.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 42.208 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

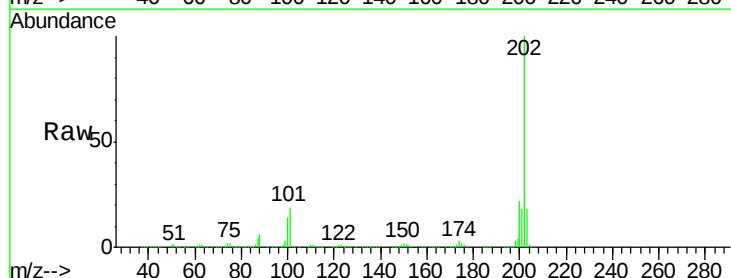
Tgt Ion:202 Resp: 878501

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

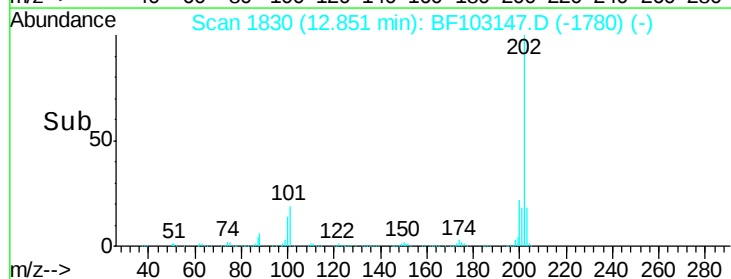
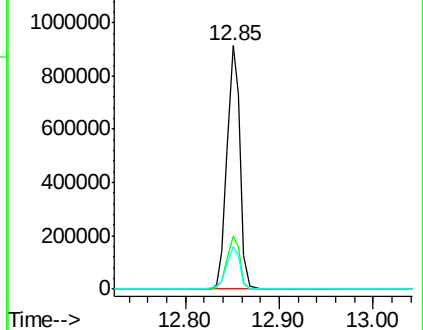
203 17.7 14.3 21.5

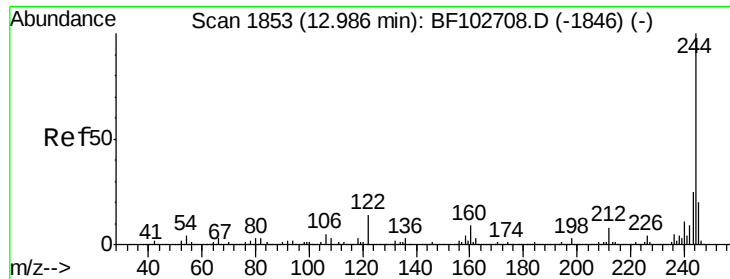


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 93.722 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

Instrument :

BNA_F

ClientSampleId :

BUS-WASH-SLUDGE-PITMSD

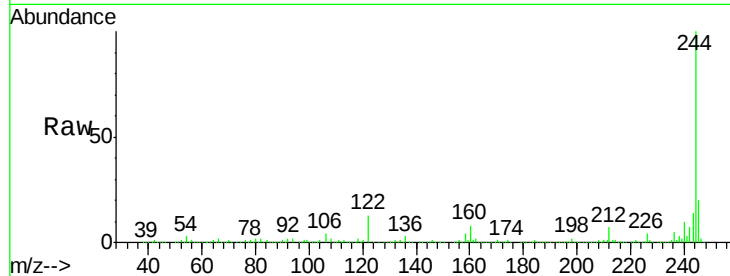
Tot Ion:244 Resp: 1050611

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

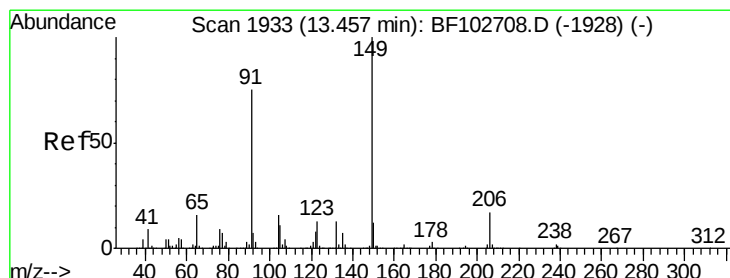
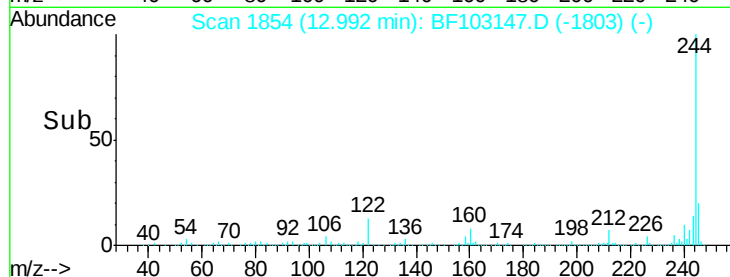
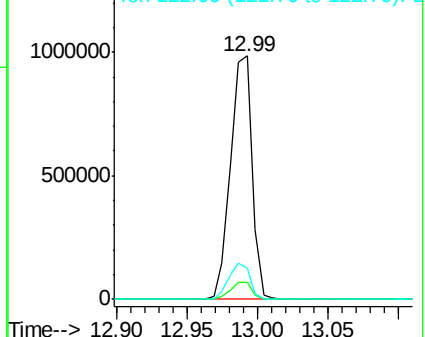
122 12.9 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 48.893 ng

RT: 13.46 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

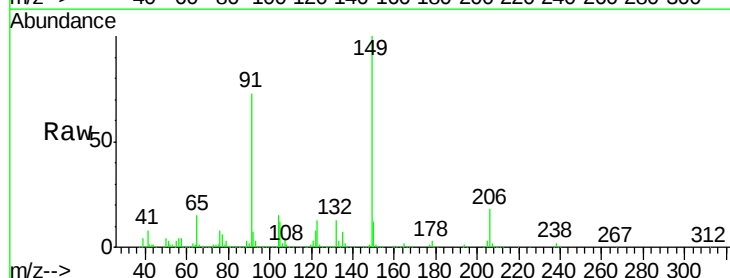
Tgt Ion:149 Resp: 486967

Ion Ratio Lower Upper

149 100

91 72.8 56.8 85.2

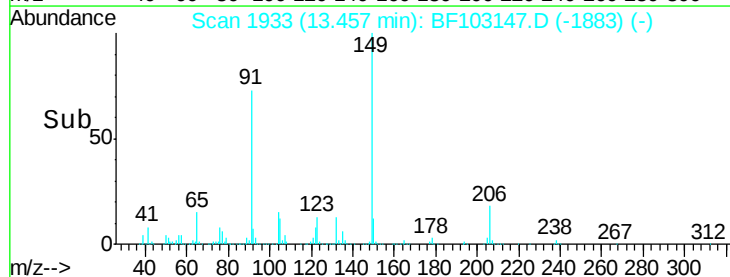
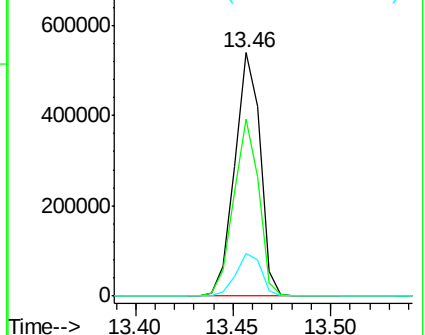
206 17.7 14.1 21.1

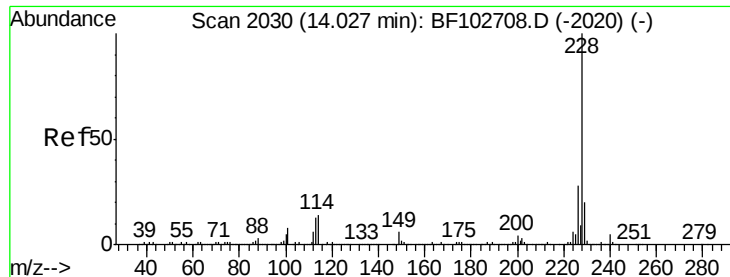


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 45.728 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

Instrument :

BNA_F

ClientSampleId :

BUS-WASH-SLUDGE-PITMSD

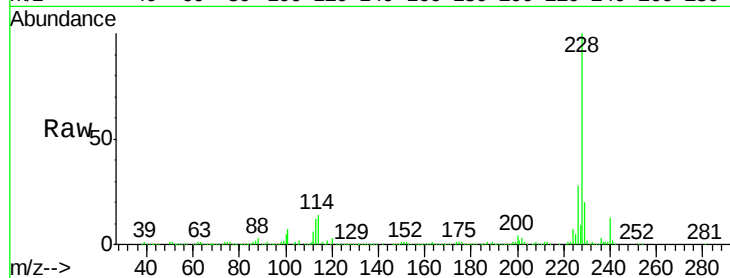
Tot Ion:228 Resp: 763315

Ion Ratio Lower Upper

228 100

226 27.6 22.6 33.8

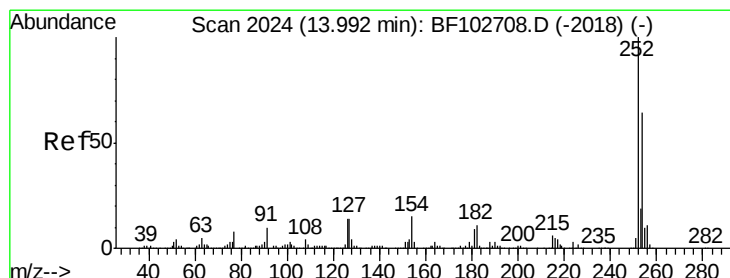
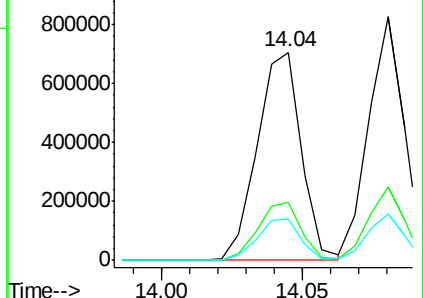
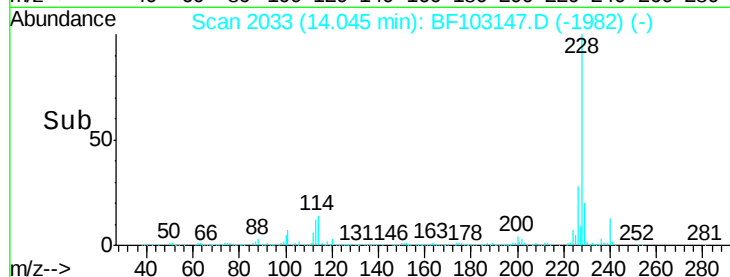
229 19.9 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 31.844 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

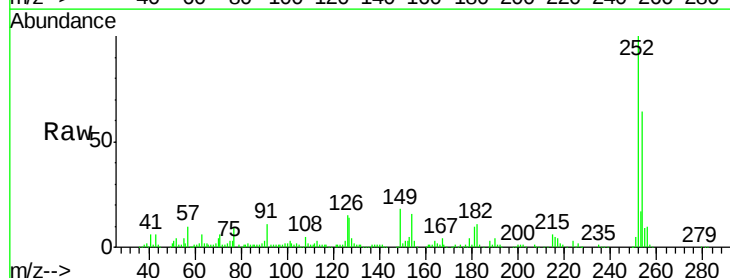
Tgt Ion:252 Resp: 197090

Ion Ratio Lower Upper

252 100

254 64.2 50.4 75.6

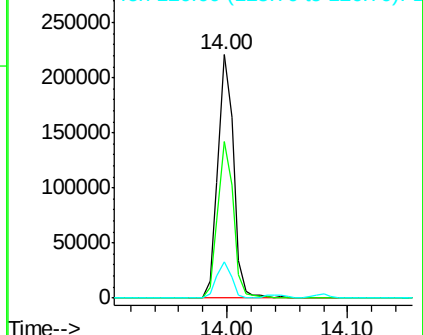
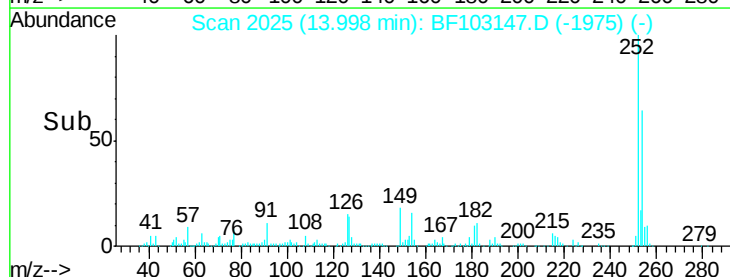
126 14.6 11.3 16.9

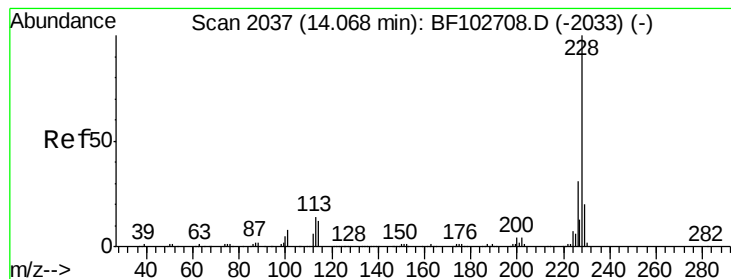


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 42.749 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

Instrument :

BNA_F

ClientSampleId :

BUS-WASH-SLUDGE-PITMSD

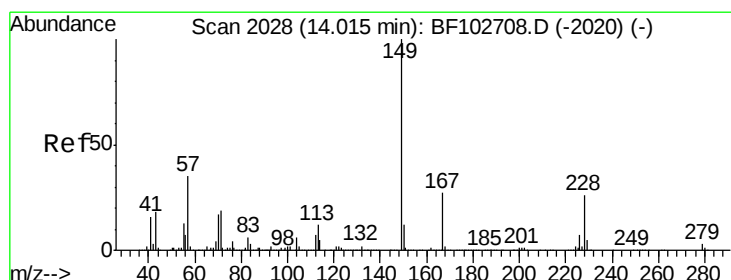
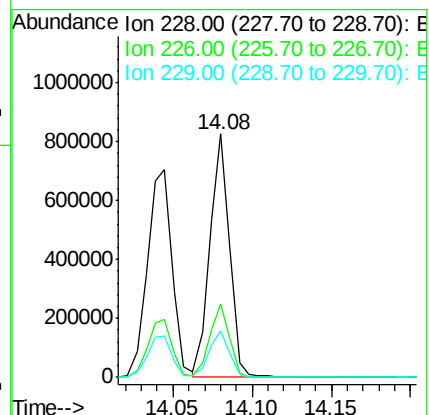
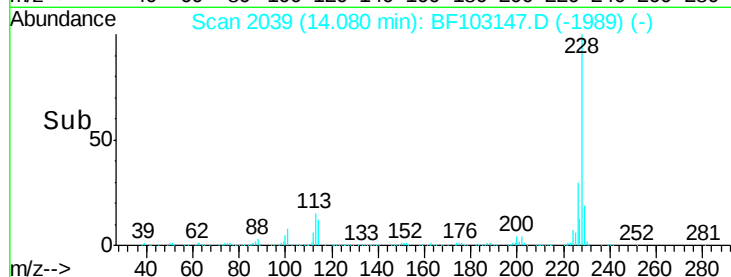
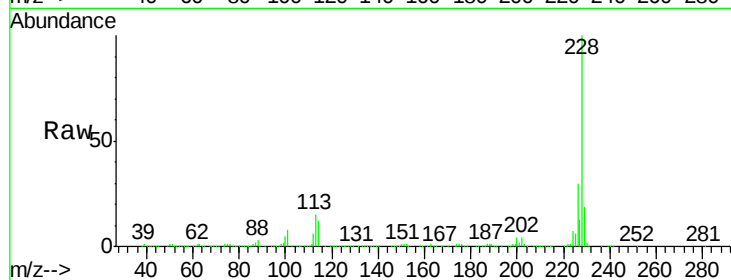
Tot Ion:228 Resp: 719336

Ion Ratio Lower Upper

228 100

226 30.1 25.0 37.6

229 19.3 16.2 24.4



#83

Bis(2-ethylhexyl)phthalate

Concen: 52.601 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

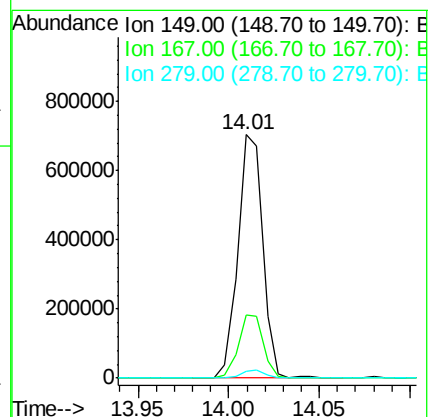
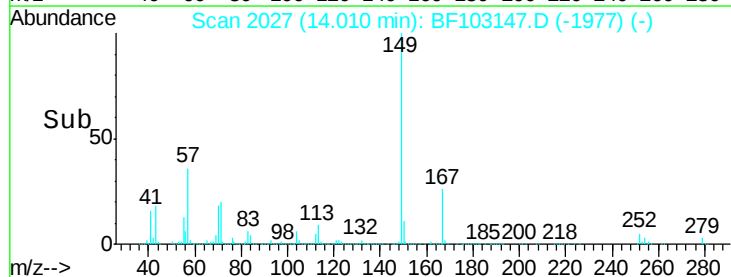
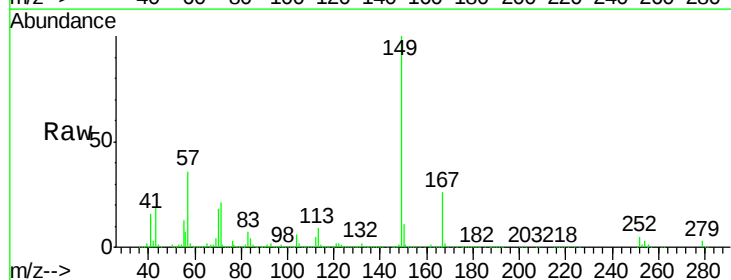
Tgt Ion:149 Resp: 670668

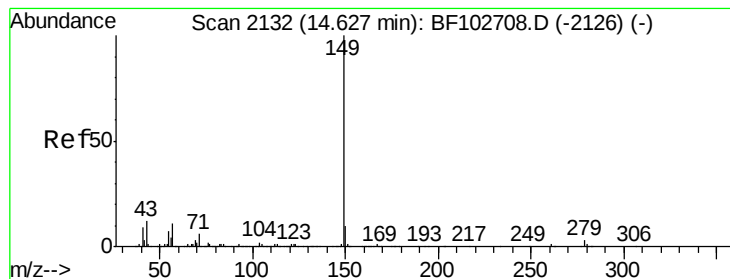
Ion Ratio Lower Upper

149 100

167 26.1 21.3 31.9

279 2.7 3.0 4.4#





#84

Di-n-octyl phthalate

Concen: 58.545 ng

RT: 14.63 min Scan# 2133

Delta R.T. -0.01 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

Instrument :

BNA_F

ClientSampleId :

BUS-WASH-SLUDGE-PITMSD

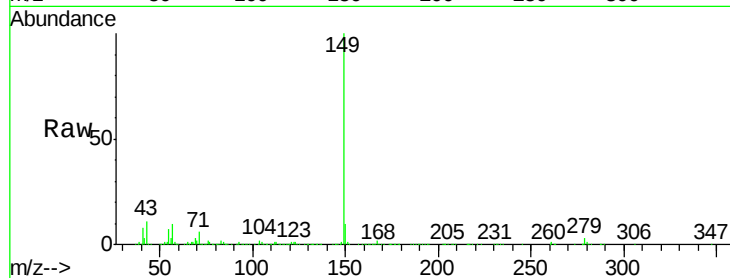
Tot Ion:149 Resp: 1120816

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

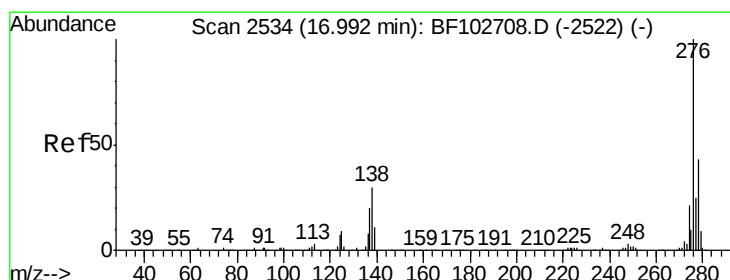
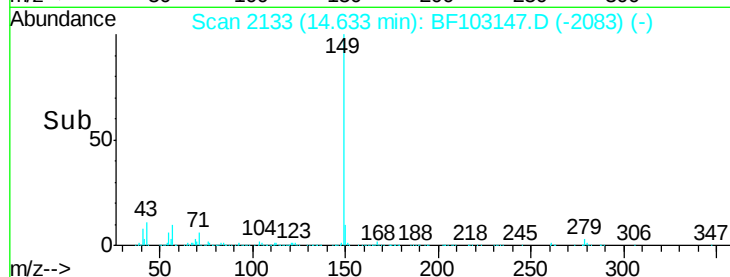
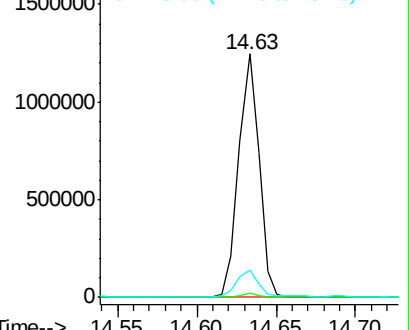
43 11.0 8.4 12.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#85

Indeno(1,2,3-cd)pyrene

Concen: 40.032 ng

RT: 17.06 min Scan# 2546

Delta R.T. 0.01 min

Lab File: BF103147.D

Acq: 21 Feb 2018 20:05

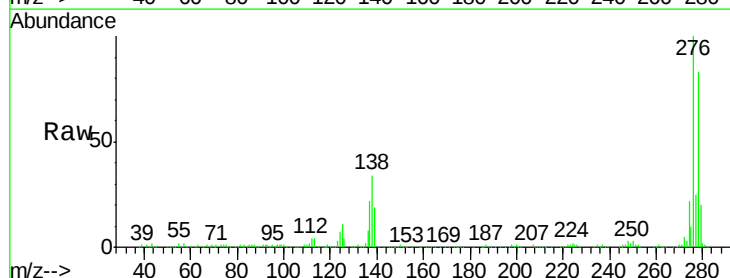
Tgt Ion:276 Resp: 558692

Ion Ratio Lower Upper

276 100

138 32.7 25.0 37.6

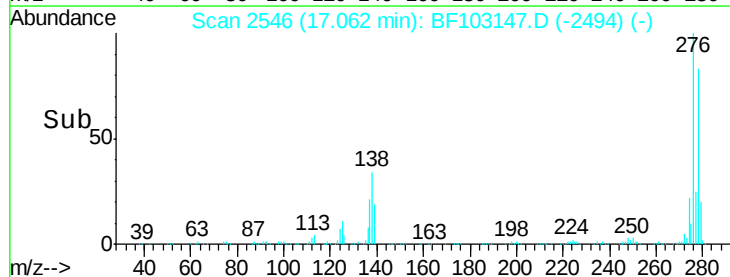
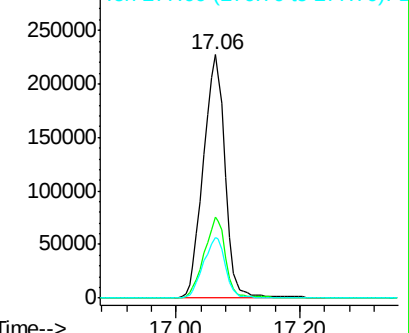
277 25.3 20.1 30.1

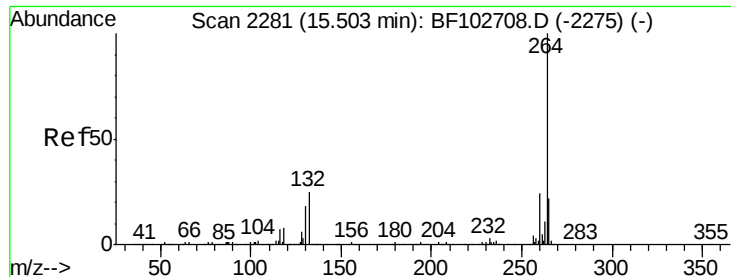


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

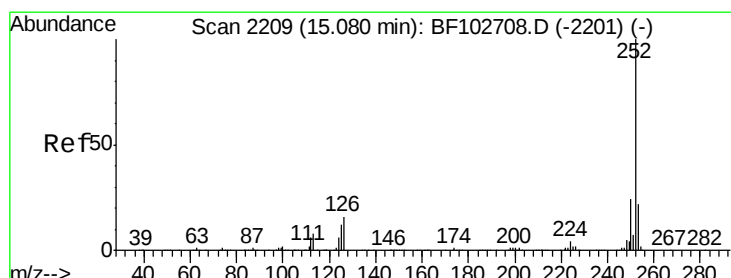
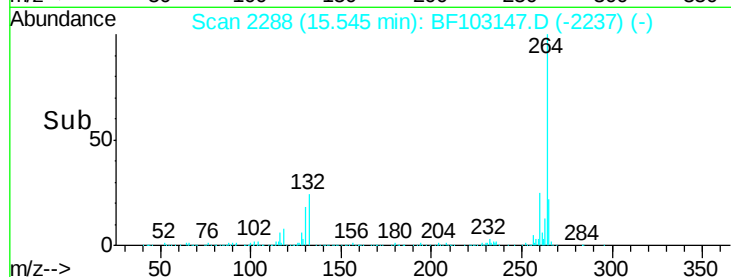
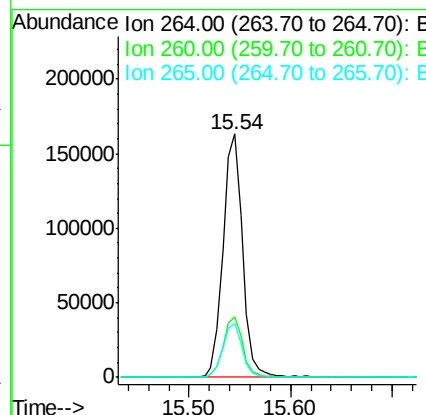
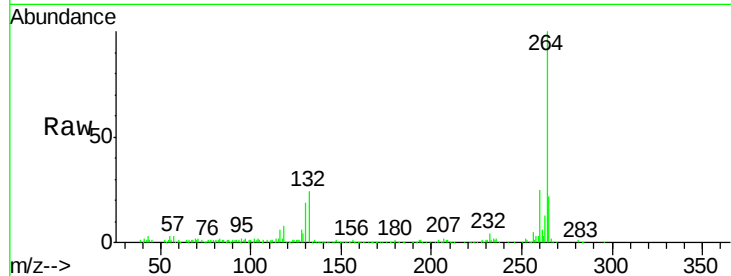




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.00 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

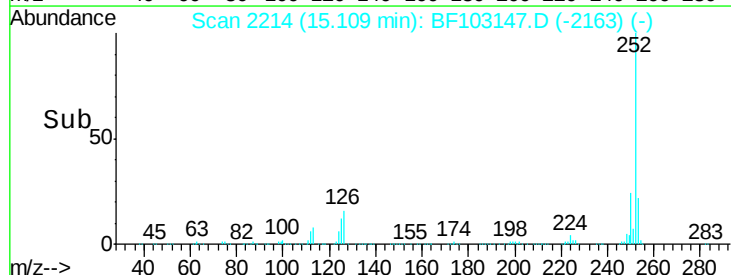
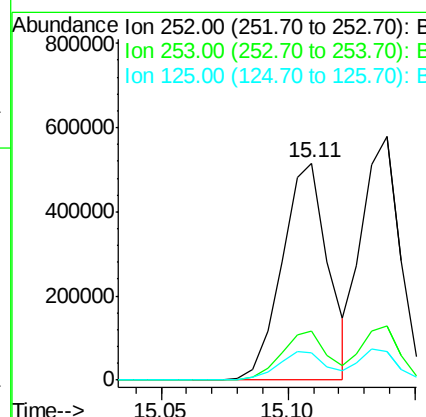
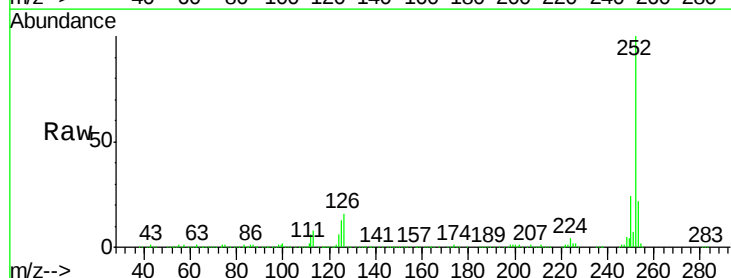
Instrument :
BNA_F
ClientSampleId :
BUS-WASH-SLUDGE-PITMSD

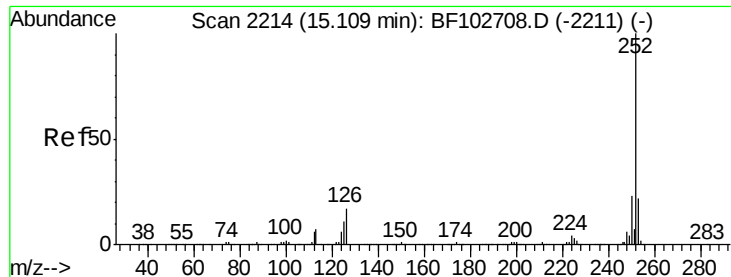
Tot Ion:264 Resp: 218393
Ion Ratio Lower Upper
264 100
260 24.8 19.2 28.8
265 22.3 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 46.251 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.00 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

Tgt Ion:252 Resp: 654872
Ion Ratio Lower Upper
252 100
253 22.3 17.0 25.6
125 12.6 9.0 13.6

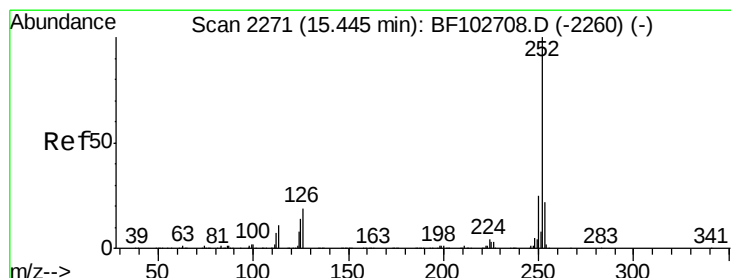
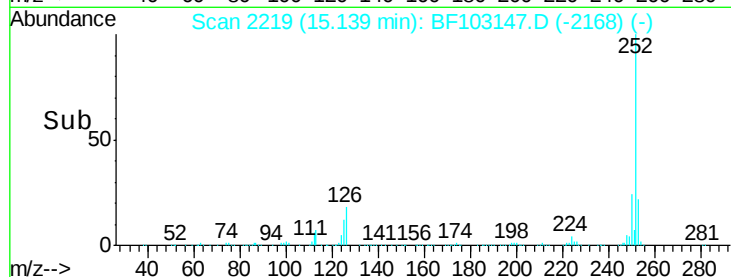
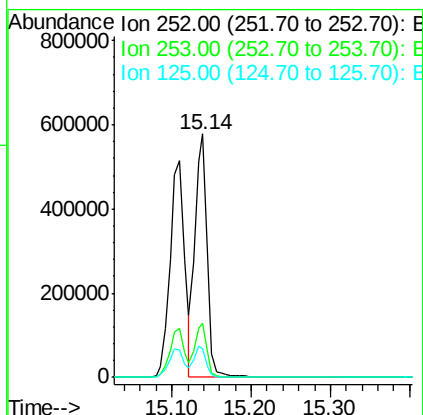
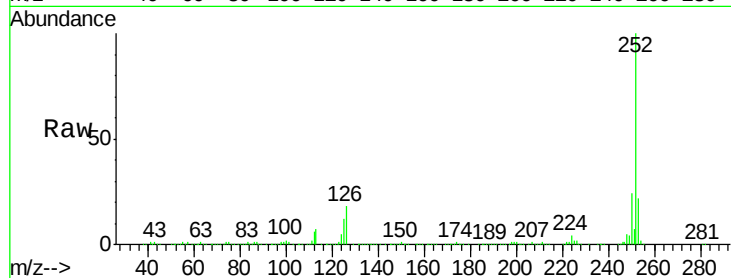




#88
Benzo(k)fluoranthene
Concen: 45.839 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.00 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

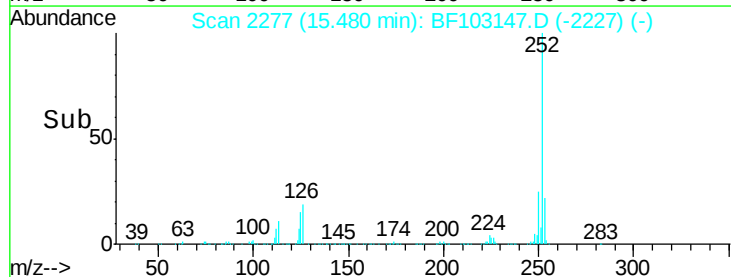
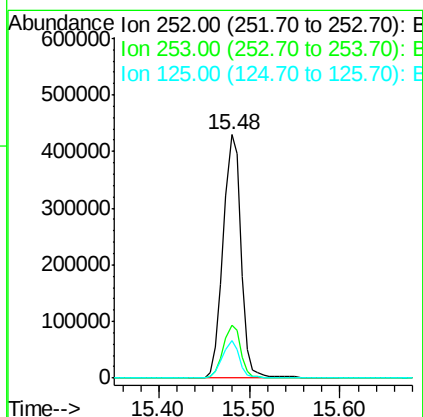
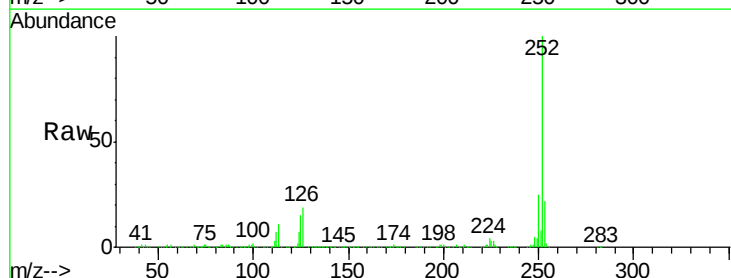
Instrument :
BNA_F
ClientSampleId :
BUS-WASH-SLUDGE-PITMSD

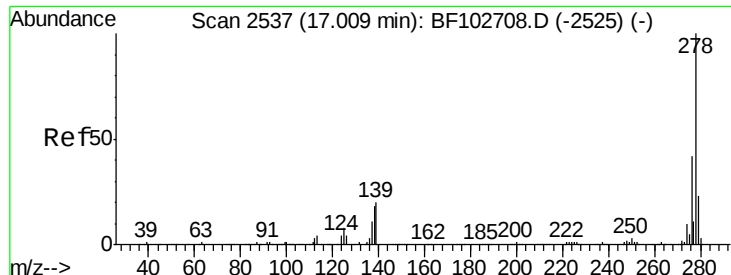
Tot Ion:252 Resp: 620162
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 11.9 10.2 15.2



#89
Benzo(a)pyrene
Concen: 45.870 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.01 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

Tgt Ion:252 Resp: 584620
Ion Ratio Lower Upper
252 100
253 21.9 17.1 25.7
125 15.3 9.8 14.6#

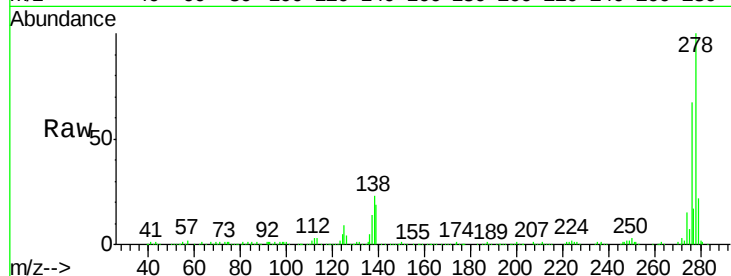




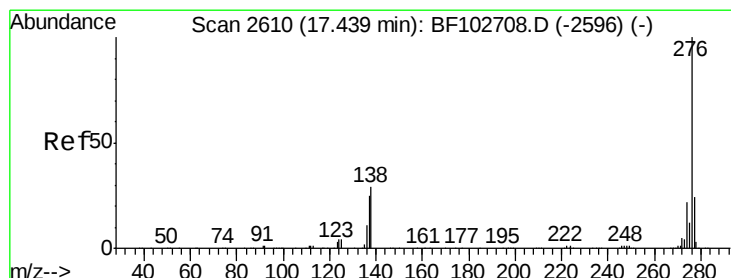
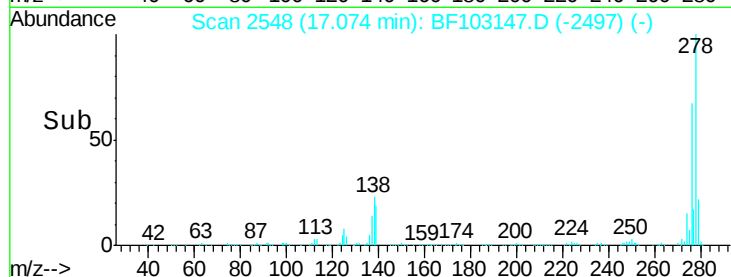
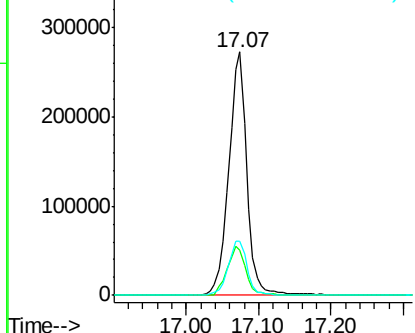
#90
Dibenzo(a,h)anthracene
Concen: 45.685 ng
RT: 17.07 min Scan# 2548
Delta R.T. -0.00 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

Instrument :
BNA_F
ClientSampleId :
BUS-WASH-SLUDGE-PITMSD

Tot Ion:278 Resp: 472603
Ion Ratio Lower Upper
278 100
139 18.7 15.9 23.9
279 22.2 19.0 28.4

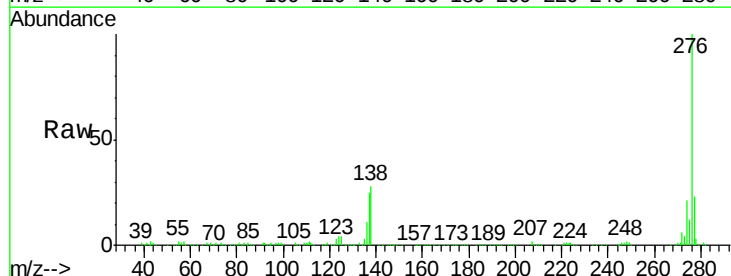


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 45.457 ng
RT: 17.52 min Scan# 2624
Delta R.T. -0.00 min
Lab File: BF103147.D
Acq: 21 Feb 2018 20:05

Tgt Ion:276 Resp: 460263
Ion Ratio Lower Upper
276 100
277 23.1 17.9 26.9
138 28.2 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

