

Data Path : Z:\HPCHEM1\BNA F\Data\BF052516\
 Data File : BF087404.D
 Acq On : 26 May 2016 9:52
 Operator : UM/SJ
 Sample : H3220-16MSD
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 26 15:44:40 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 16:26:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	101430	20.00	ng	0.00
21) Naphthalene-d8	9.55	136	390237	20.00	ng	0.00
38) Acenaphthene-d10	12.38	164	159335	20.00	ng	-0.01
63) Phenanthrene-d10	14.78	188	259915	20.00	ng	0.00
75) Chrysene-d12	18.48	240	208369	20.00	ng	0.00
86) Perylene-d12	20.14	264	149636	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	986016	170.82	ng	0.03
7) Phenol-d6	7.10	99	1231592	157.90	ng	0.02
23) Nitrobenzene-d5	8.44	82	830847	107.30	ng	0.00
41) 2,4,6-Tribromophenol	13.68	330	206070	134.58	ng	0.00
44) 2-Fluorobiphenyl	11.34	172	1224781	108.37	ng	0.00
78) Terphenyl-d14	17.13	244	885231	90.32	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.90	88	123898	40.68	ng	# 67
3) Pyridine	2.49	79	319409	47.97	ng	# 64
4) n-Nitrosodimethylamine	2.47	42	281136	54.79	ng	# 45
6) Aniline	7.03	93	237908	23.58	ng	95
8) 2-Chlorophenol	7.21	128	370068	51.41	ng	89
9) Benzaldehyde	6.84	77	61632	14.31	ng	99
10) Phenol	7.12	94	456378	53.58	ng	89
11) bis(2-Chloroethyl)ether	7.16	93	353354	51.26	ng	# 83
12) 1,3-Dichlorobenzene	7.42	146	385277	49.07	ng	# 90
13) 1,4-Dichlorobenzene	7.55	146	397516	49.32	ng	96
14) 1,2-Dichlorobenzene	7.78	146	370248	49.66	ng	97
15) Benzyl Alcohol	7.83	79	349501	61.46	ng	91
16) 2,2'-oxybis(1-Chloropropan	8.02	45	733544	47.29	ng	85
17) 2-Methylphenol	8.04	107	303726	52.65	ng	# 90
18) Hexachloroethane	8.30	117	130486	43.39	ng	100
19) n-Nitroso-di-n-propylamine	8.25	70	291839	50.17	ng	# 67
20) 3+4-Methylphenols	8.31	107	388995	55.78	ng	# 60
22) Acetophenone	8.20	105	529663	56.81	ng	# 94
24) Nitrobenzene	8.47	77	427716	52.33	ng	93
25) Isophorone	8.87	82	717884	51.69	ng	98
26) 2-Nitrophenol	8.98	139	176947	52.96	ng	# 86
27) 2,4-Dimethylphenol	9.13	122	297605	51.31	ng	86
28) bis(2-Chloroethoxy)methane	9.24	93	433956	55.48	ng	# 98
29) 2,4-Dichlorophenol	9.39	162	287260	54.96	ng	94
30) 1,2,4-Trichlorobenzene	9.48	180	312579	52.24	ng	99
31) Naphthalene	9.59	128	1001230	51.20	ng	99
32) Benzoic acid	9.38	122	21311	12.09	ng	85
33) 4-Chloroaniline	9.75	127	94243	13.09	ng	# 90
34) Hexachlorobutadiene	9.80	225	181837	49.99	ng	98
35) Caprolactam	10.36	113	81407	53.36	ng	# 59
36) 4-Chloro-3-methylphenol	10.60	107	309249	52.33	ng	87
37) 2-Methylnaphthalene	10.72	142	636000	52.06	ng	97
39) 1,2,4,5-Tetrachlorobenzene	10.99	216	277852	54.48	ng	99
40) Hexachlorocyclopentadiene	10.96	237	23901	19.50	ng	95

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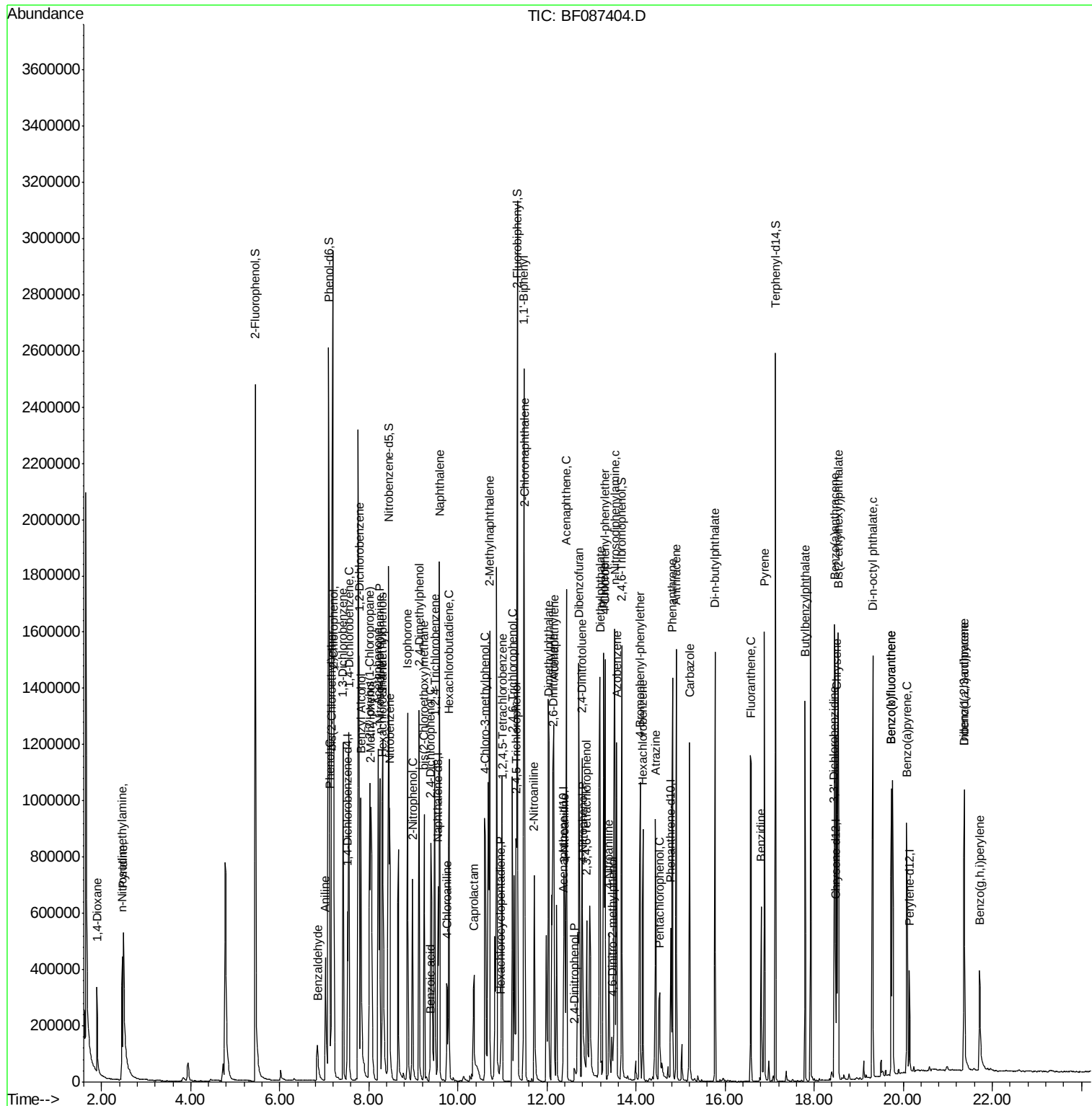
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	11.22	196	168349	57.19	nq	95
43) 2,4,5-Trichlorophenol	11.30	196	161139	53.75	nq	# 88
45) 1,1'-Biphenyl	11.48	154	743417	55.42	nq	97
46) 2-Chloronaphthalene	11.50	162	539744	52.59	nq	# 92
47) 2-Nitroaniline	11.71	65	216637	58.59	nq	# 73
48) Acenaphthylene	12.16	152	859035	52.87	nq	99
49) Dimethylphthalate	12.04	163	940764	73.71	nq	99
50) 2,6-Dinitrotoluene	12.14	165	141603	55.06	nq	93
51) Acenaphthene	12.43	154	511421	51.21	nq	98
52) 3-Nitroaniline	12.40	138	97143	36.80	nq	89
53) 2,4-Dinitrophenol	12.62	184	17998	19.10	nq	# 74
54) Dibenzofuran	12.72	168	748833	55.38	nq	93
55) 4-Nitrophenol	12.80	139	118554	94.16	nq	# 61
56) 2,4-Dinitrotoluene	12.79	165	165249	48.07	nq	# 86
57) Fluorene	13.28	166	584379	49.84	nq	99
58) 2,3,4,6-Tetrachlorophenol	12.89	232	86016	37.30	nq	94
59) Diethylphthalate	13.19	149	658238	53.04	nq	98
60) 4-Chlorophenyl-phenylether	13.30	204	275375	48.16	nq	99
61) 4-Nitroaniline	13.39	138	104560	42.44	nq	# 59
62) Azobenzene	13.57	77	726266	56.41	nq	86
64) 4,6-Dinitro-2-methylphenol	13.46	198	27681	16.75	nq	# 77
65) n-Nitrosodiphenylamine	13.52	169	489529	58.24	nq	100
66) 4-Bromophenyl-phenylether	14.09	248	153843	54.10	nq	94
67) Hexachlorobenzene	14.16	284	154448	51.93	nq	# 77
68) Atrazine	14.43	200	151824	56.66	nq	93
69) Pentachlorophenol	14.53	266	80248	86.30	nq	97
70) Phenanthrene	14.82	178	763737	53.05	nq	99
71) Anthracene	14.90	178	762084	52.40	nq	99
72) Carbazole	15.20	167	680174	54.83	nq	99
73) Di-n-butylphthalate	15.77	149	861614	53.71	nq	# 98
74) Fluoranthene	16.58	202	744763	51.59	nq	91
76) Benzidine	16.81	184	335731	62.62	nq	96
77) Pyrene	16.88	202	747168	49.82	nq	99
79) Butylbenzylphthalate	17.79	149	336609	50.61	nq	# 69
80) Benzo(a)anthracene	18.46	228	634343	53.52	nq	99
81) 3,3'-Dichlorobenzidine	18.45	252	167390	25.56	nq	99
82) Chrysene	18.50	228	613653	52.17	nq	99
83) Bis(2-ethylhexyl)phthalate	18.54	149	483641	49.83	nq	# 94
84) Di-n-octyl phthalate	19.31	149	794113	53.65	nq	# 86
85) Indeno(1,2,3-cd)pyrene	21.37	276	421652	44.72	nq	94
87) Benzo(b)fluoranthene	19.74	252	525651	55.15	nq	# 93
88) Benzo(k)fluoranthene	19.74	252	525651	64.07	nq	# 96
89) Benzo(a)pyrene	20.08	252	451995	54.83	nq	# 96
90) Dibenzo(a,h)anthracene	21.37	278	359841	51.18	nq	# 94
91) Benzo(g,h,i)perylene	21.71	276	332910	47.99	nq	94

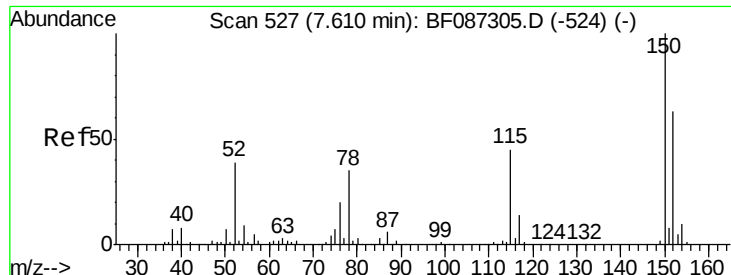
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.52 min Scan# 519

Delta R.T. 0.00 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

Instrument :

BNA_F

ClientSampleId :

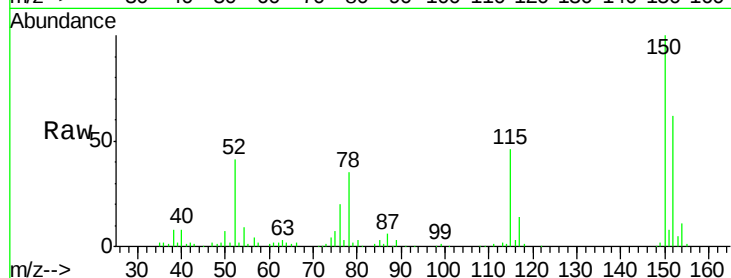
Tot Ion:152 Resp: 101430

Ion Ratio Lower Upper

152 100

150 160.8 125.8 188.6

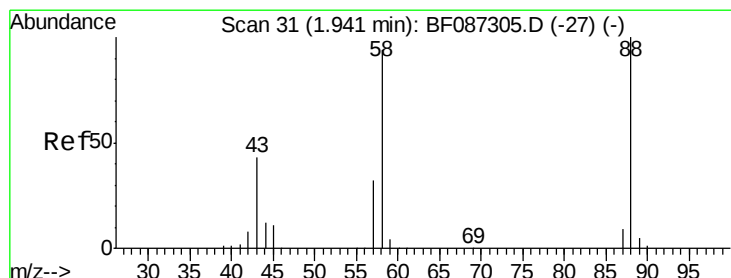
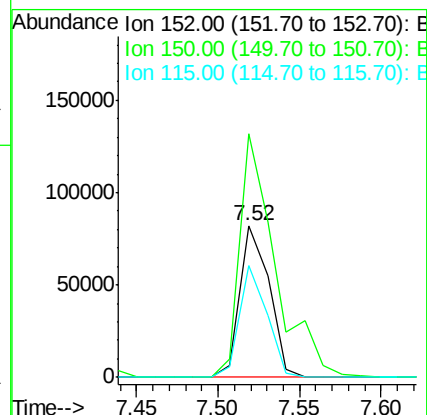
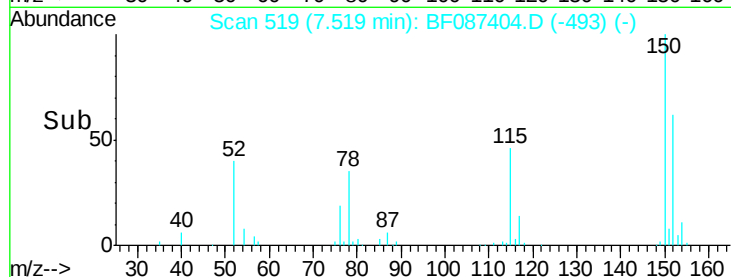
115 74.1 51.5 77.3



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



#2

1,4-Dioxane

Concen: 40.68 ng

RT: 1.90 min Scan# 27

Delta R.T. 0.08 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

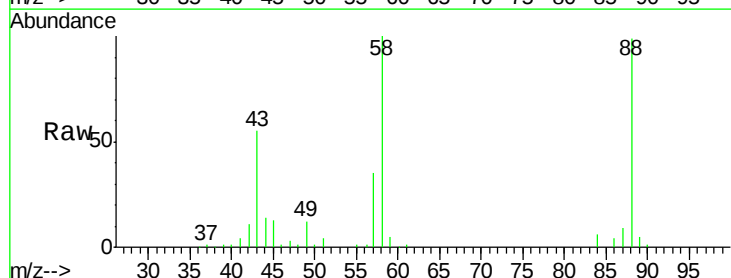
Tgt Ion: 88 Resp: 123898

Ion Ratio Lower Upper

88 100

58 96.1 59.6 89.4#

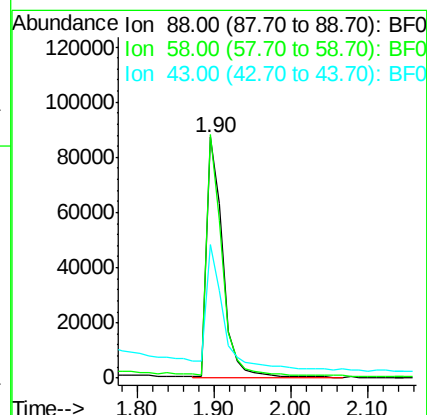
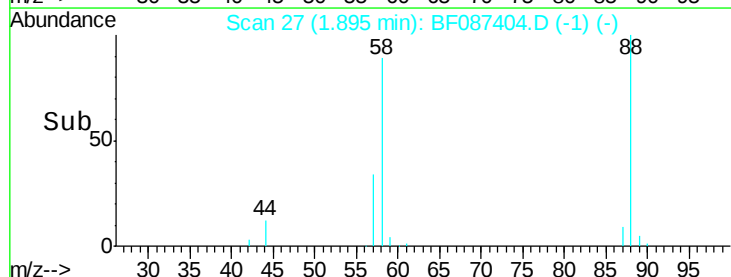
43 55.8 21.8 32.6#



Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 47.97 ng

RT: 2.49 min Scan# 79

Delta R.T. 0.08 min

Lab File: BF087404.D

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BNA_F

ClientSampleId :

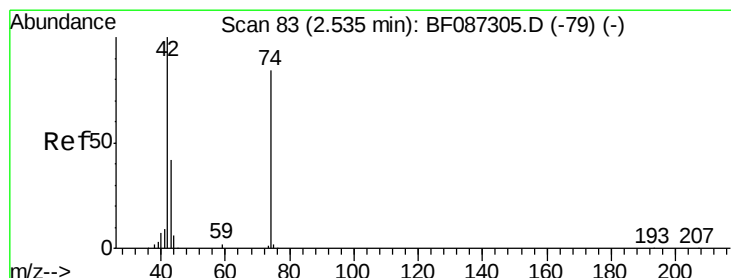
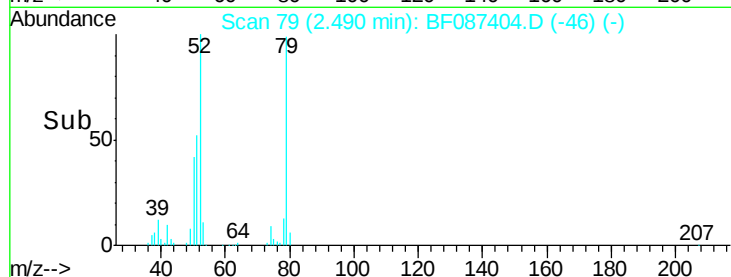
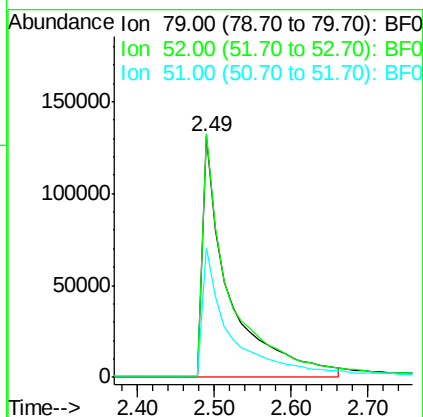
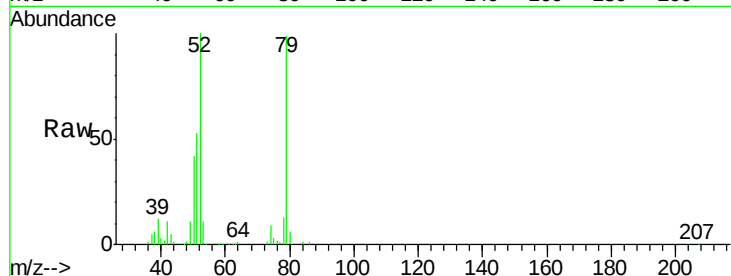
Tot Ion: 79 Resp: 319409

Ion Ratio Lower Upper

79 100

52 101.1 55.9 83.9#

51 54.1 28.1 42.1#



#4

n-Nitrosodimethylamine

Concen: 54.79 ng

RT: 2.47 min Scan# 77

Delta R.T. 0.08 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

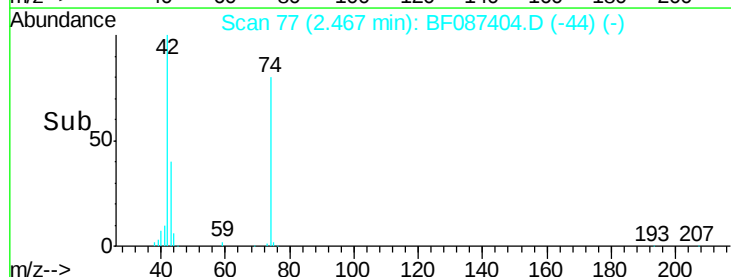
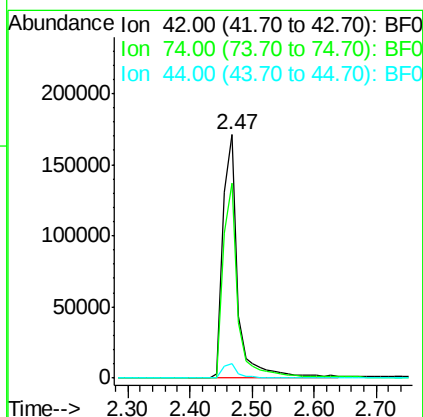
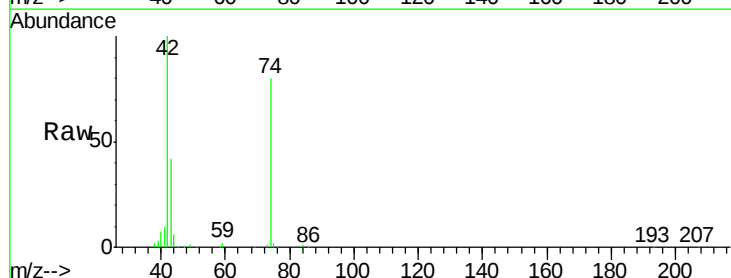
Tgt Ion: 42 Resp: 281136

Ion Ratio Lower Upper

42 100

74 80.3 123.4 185.0#

44 6.2 5.8 8.6





#5

2-Fluorophenol

Concen: 170.82 ng

RT: 5.45 min Scan# 338

Delta R.T. 0.03 min

Lab File: BF087404.D

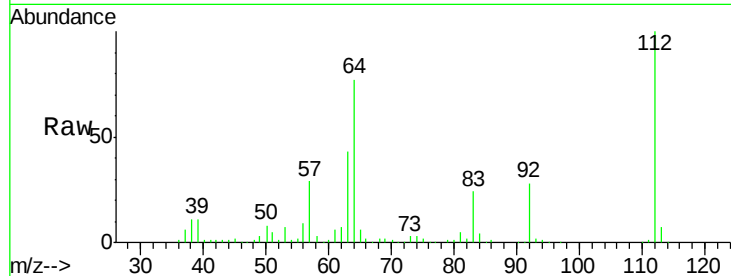
Acq: 26 May 2016 9:52

Instrument :

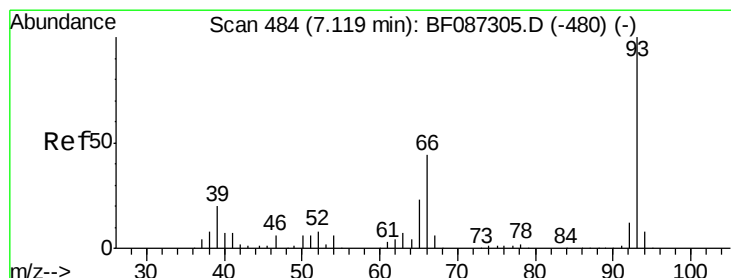
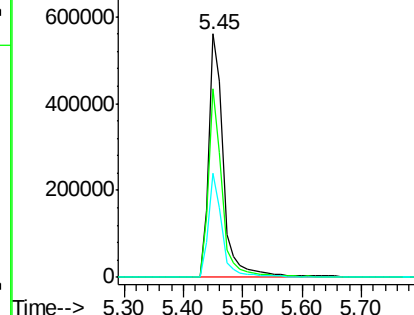
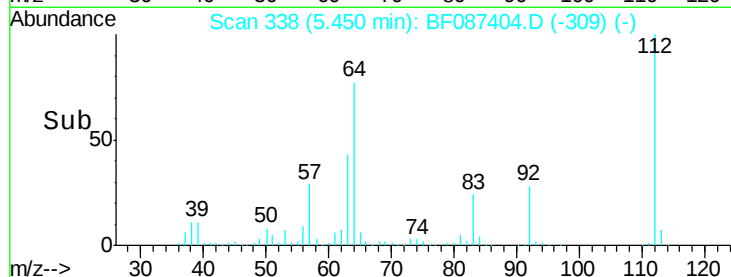
BNA_F

ClientSampleId :

Tot Ion:112 Resp: 986016
 Ion Ratio Lower Upper
 112 100
 64 77.5 52.1 78.1
 63 42.9 25.7 38.5#



Abundance Ion 112.00 (111.70 to 112.70): B
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 23.58 ng

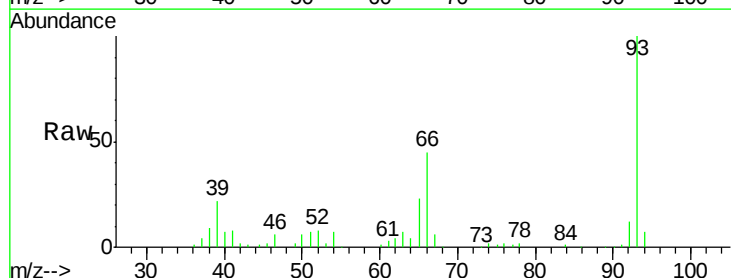
RT: 7.03 min Scan# 476

Delta R.T. 0.00 min

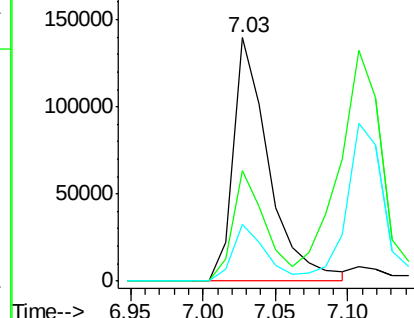
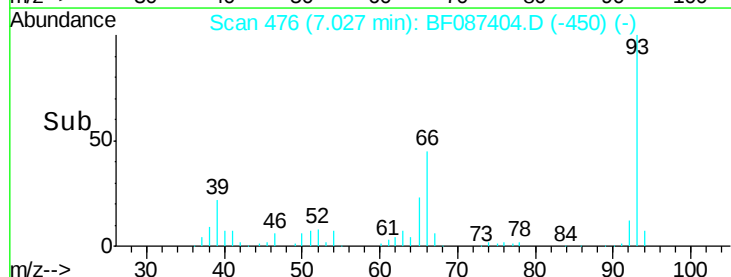
Lab File: BF087404.D

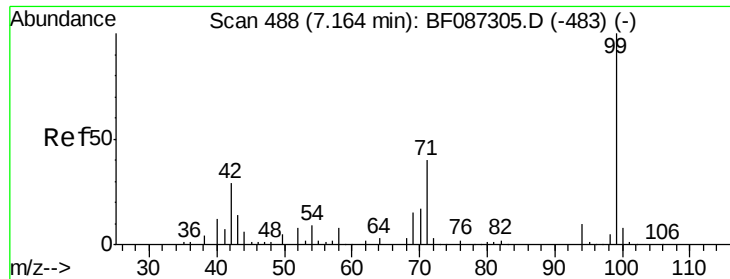
Acq: 26 May 2016 9:52

Tgt Ion: 93 Resp: 237908
 Ion Ratio Lower Upper
 93 100
 66 45.4 39.0 58.6
 65 23.5 20.6 31.0



Abundance Ion 93.00 (92.70 to 93.70): BF0
 Ion 66.00 (65.70 to 66.70): BF0
 Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 157.90 ng

RT: 7.10 min Scan# 482

Delta R.T. 0.02 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

Instrument :

BNA_F

ClientSampled :

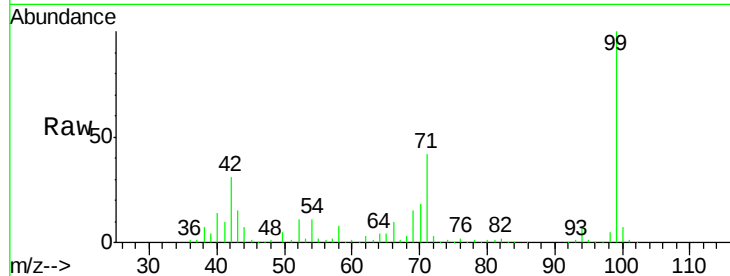
Tot Ion: 99 Resp: 1231592

Ion Ratio Lower Upper

99 100

42 30.6 13.6 20.4#

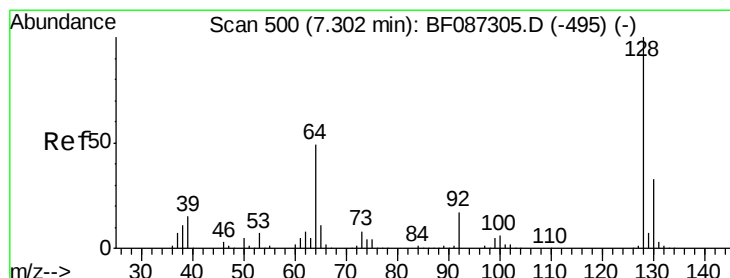
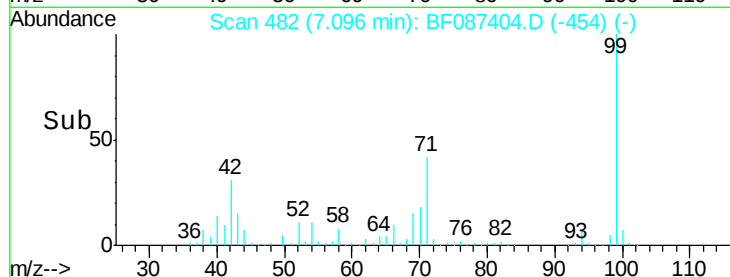
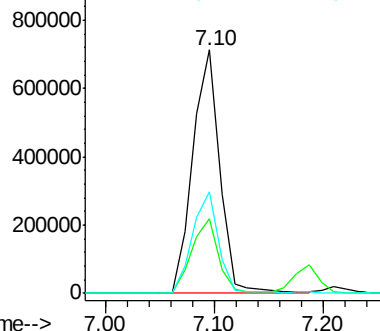
71 41.6 24.6 36.8#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 51.41 ng

RT: 7.21 min Scan# 492

Delta R.T. 0.01 min

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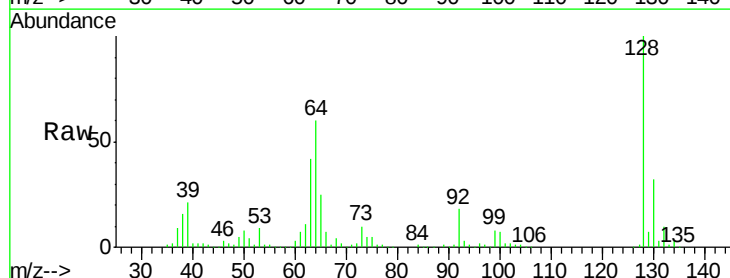
Tgt Ion:128 Resp: 370068

Ion Ratio Lower Upper

128 100

130 32.5 12.5 52.5

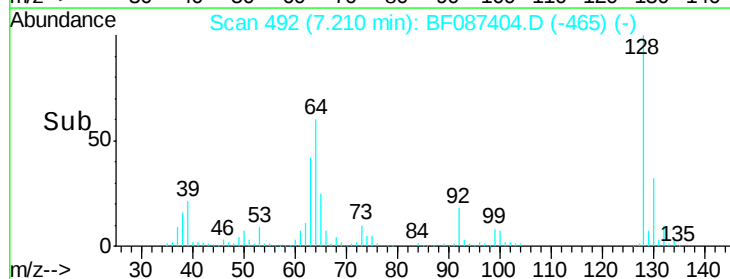
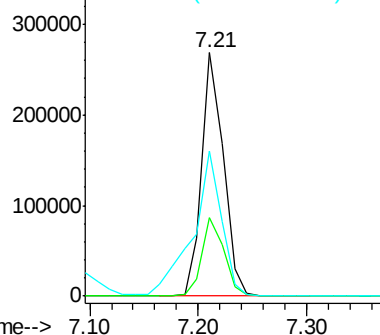
64 59.7 27.3 67.3

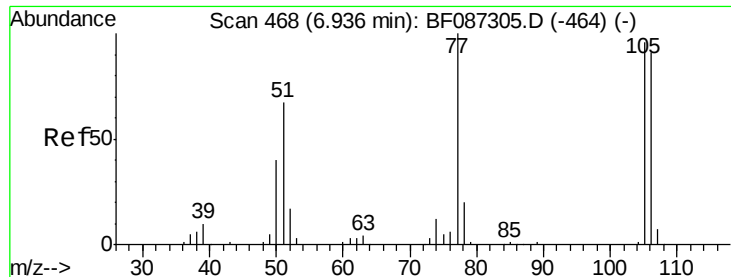


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0

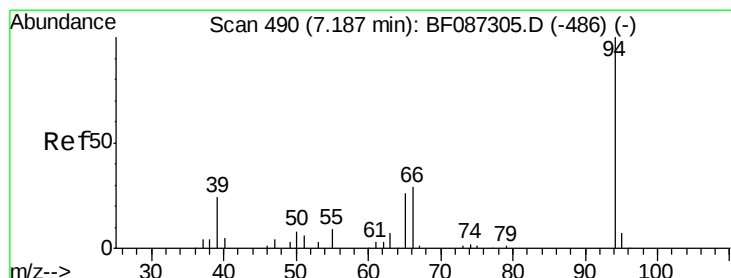
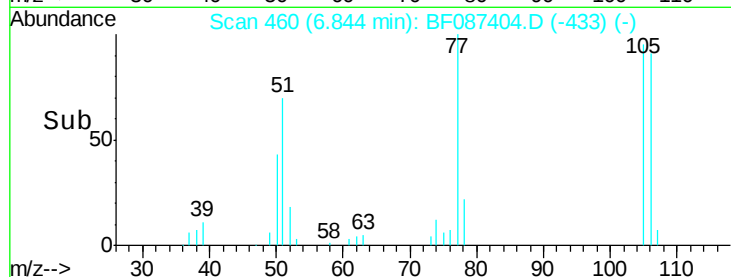
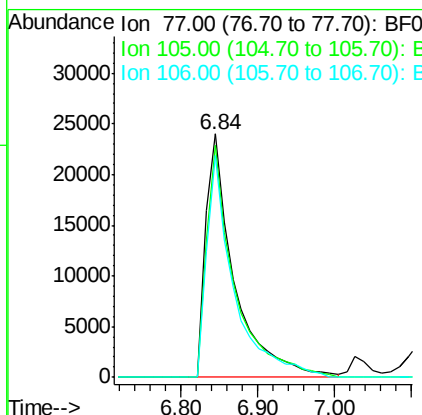
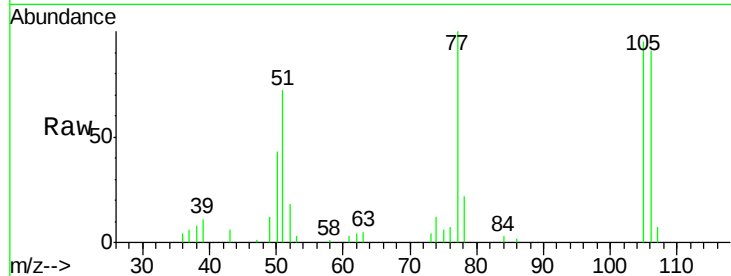




#9
Benzaldehyde
Concen: 14.31 ng
RT: 6.84 min Scan# 460
Delta R.T. 0.01 min
Lab File: BF087404.D
Acq: 26 May 2016 9:52

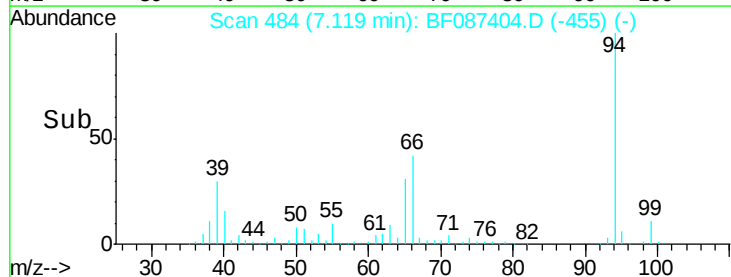
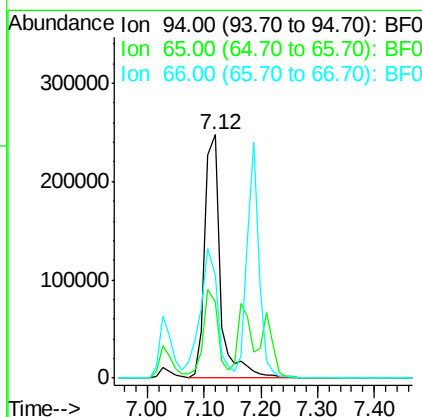
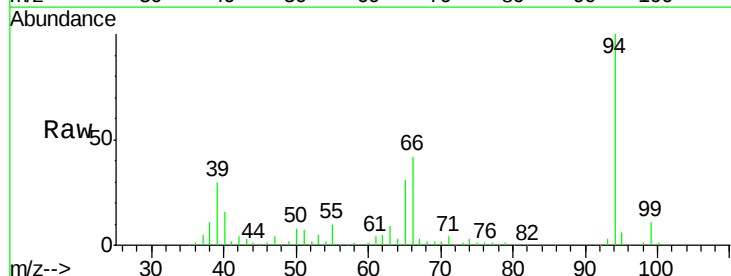
Instrument :
BNA_F
ClientSampleId :

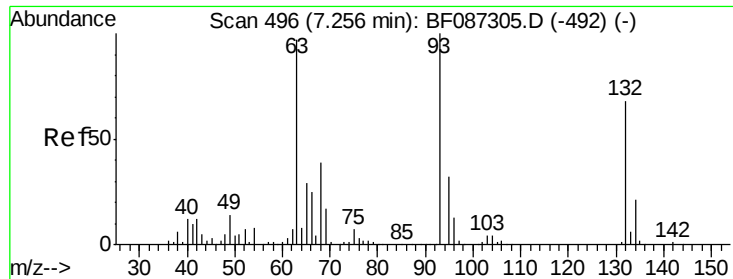
Tot Ion: 77 Resp: 61632
Ion Ratio Lower Upper
77 100
105 95.1 72.7 112.7
106 91.2 70.8 110.8



#10
Phenol
Concen: 53.58 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.03 min
Lab File: BF087404.D
Acq: 26 May 2016 9:52

Tgt Ion: 94 Resp: 456378
Ion Ratio Lower Upper
94 100
65 31.4 7.2 47.2
66 42.4 14.9 54.9

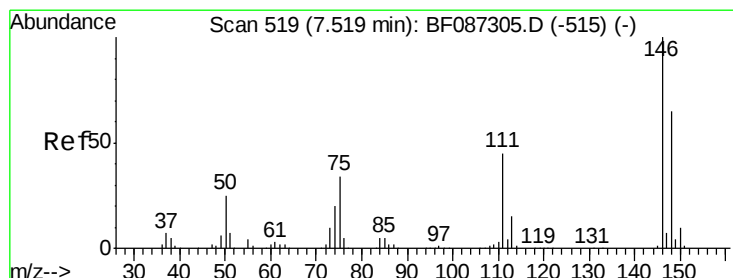
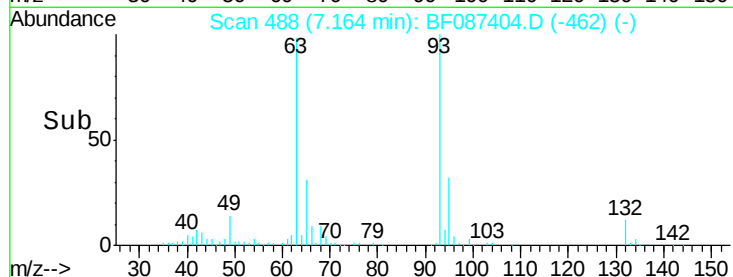
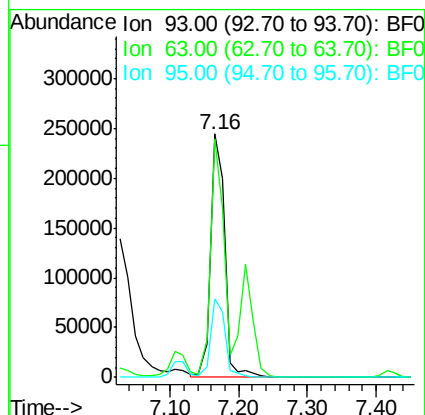
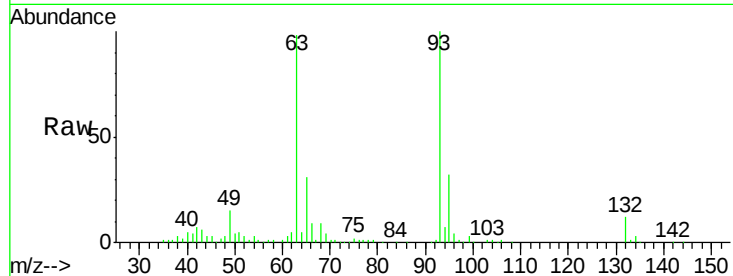




#11
bis(2-Chloroethyl)ether
Concen: 51.26 ng
RT: 7.16 min Scan# 488
Delta R.T. 0.00 min
Lab File: BF087404.D
Acq: 26 May 2016 9:52

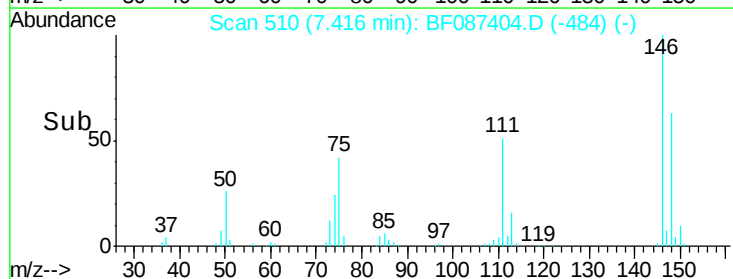
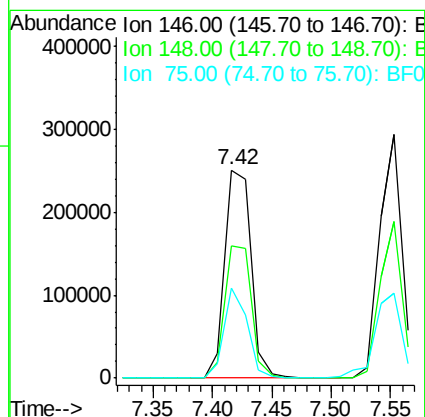
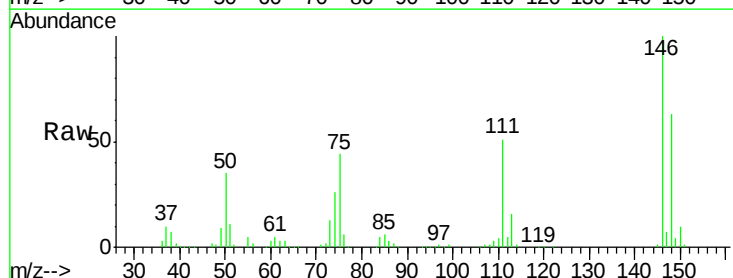
Instrument :
BNA_F
ClientSampleId :

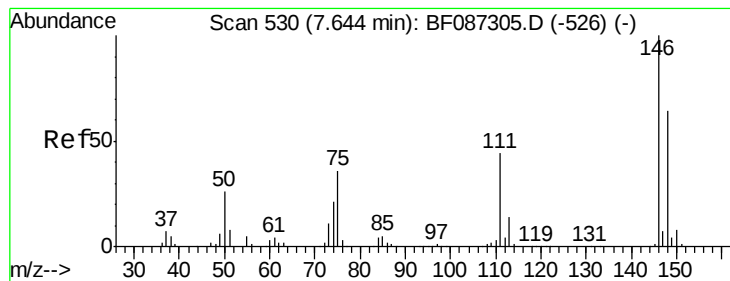
Tot Ion: 93 Resp: 353354
Ion Ratio Lower Upper
93 100
63 98.2 58.0 98.0#
95 32.5 11.9 51.9



#12
1,3-Dichlorobenzene
Concen: 49.07 ng
RT: 7.42 min Scan# 510
Delta R.T. 0.00 min
Lab File: BF087404.D
Acq: 26 May 2016 9:52

Tgt Ion: 146 Resp: 385277
Ion Ratio Lower Upper
146 100
148 63.4 52.4 78.6
75 43.6 22.8 34.2#





#13

1,4-Dichlorobenzene

Concen: 49.32 ng

RT: 7.55 min Scan# 522

Delta R.T. 0.00 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

Instrument :

BNA_F

ClientSampleId :

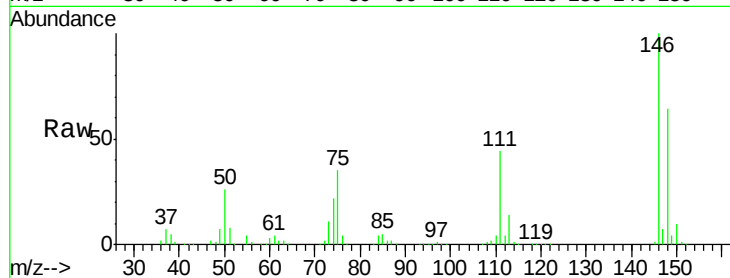
Tot Ion:146 Resp: 397516

Ion Ratio Lower Upper

146 100

148 64.5 52.2 78.4

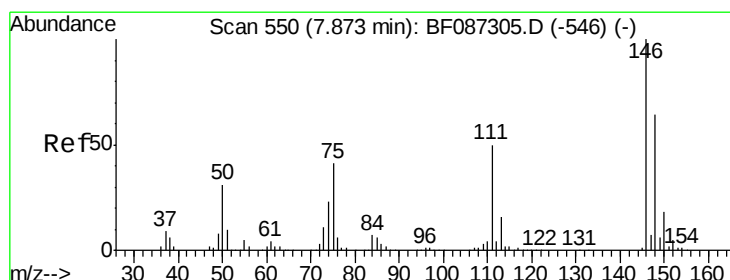
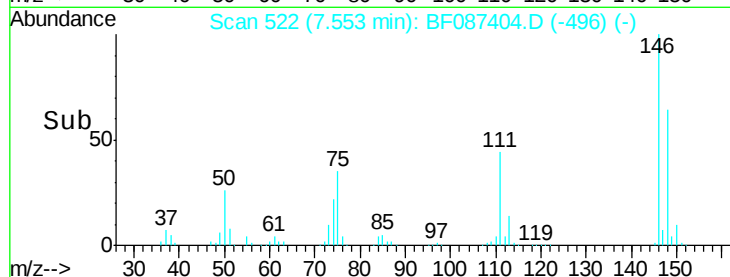
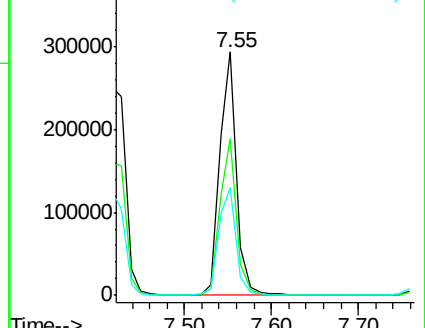
111 44.2 30.7 46.1



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: 49.66 ng

RT: 7.78 min Scan# 542

Delta R.T. 0.00 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

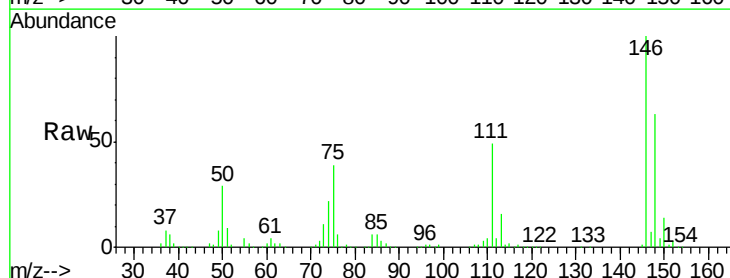
Tgt Ion:146 Resp: 370248

Ion Ratio Lower Upper

146 100

148 63.5 51.0 76.6

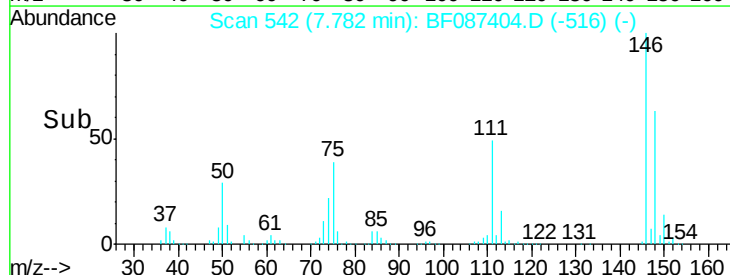
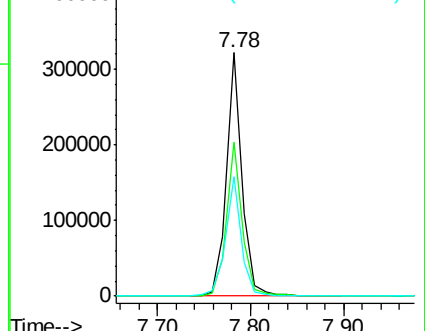
111 49.2 36.2 54.4

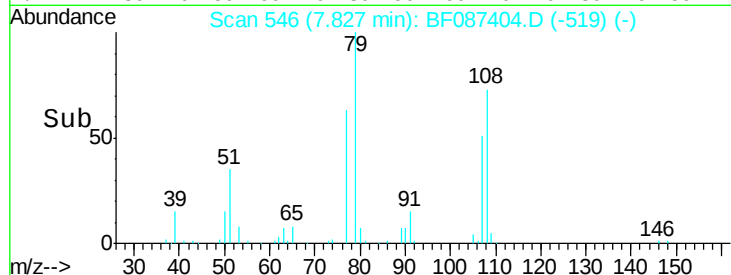
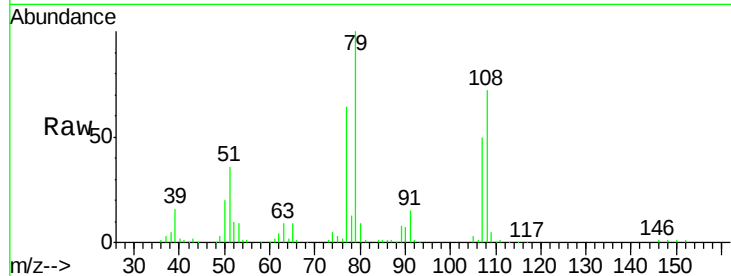
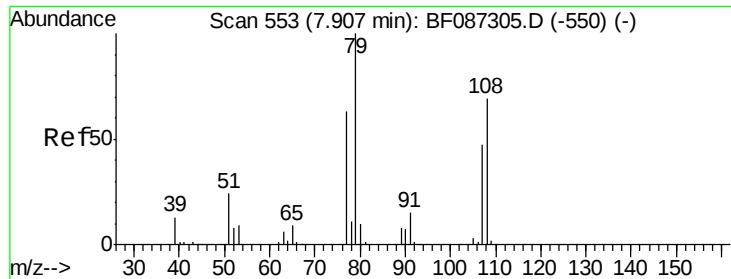


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

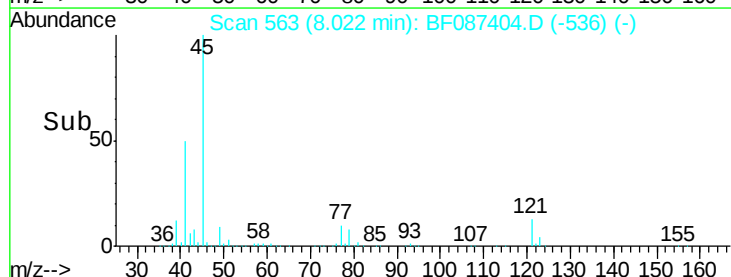
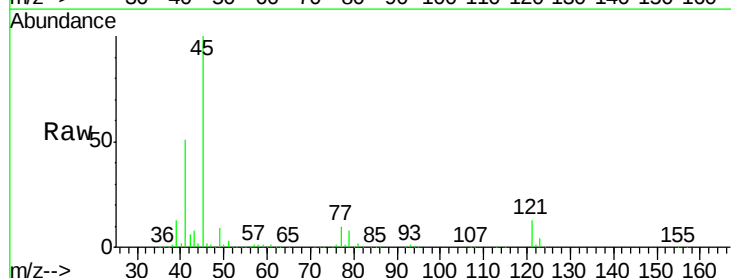
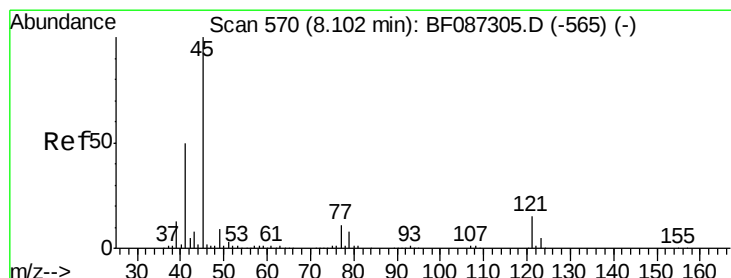
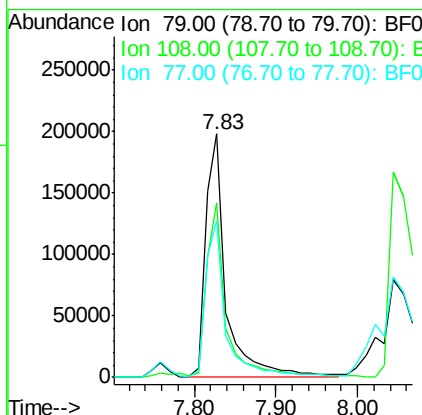




#15
Benzyl Alcohol
Concen: 61.46 ng
RT: 7.83 min Scan# 546
Delta R.T. 0.01 min
Lab File: BF087404.D
Acq: 26 May 2016 9:52

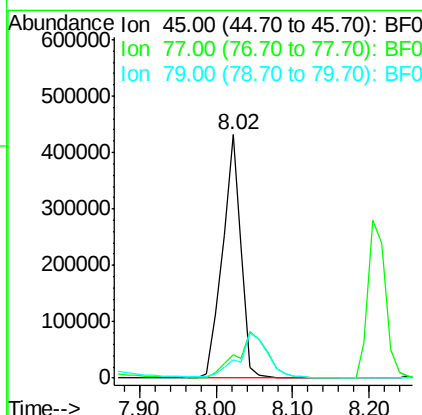
Instrument :
BNA_F
ClientSampled :

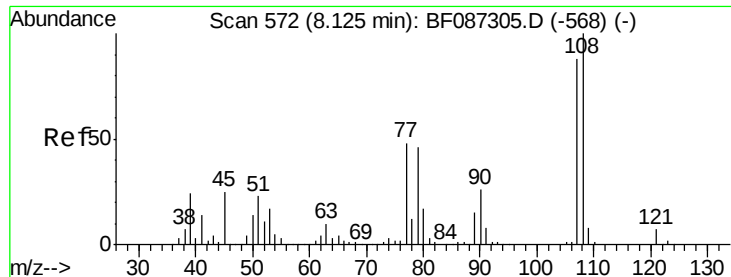
Tot Ion: 79 Resp: 349501
Ion Ratio Lower Upper
79 100
108 71.7 68.4 102.6
77 64.2 50.6 76.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.29 ng
RT: 8.02 min Scan# 563
Delta R.T. 0.01 min
Lab File: BF087404.D
Acq: 26 May 2016 9:52

Tgt Ion: 45 Resp: 733544
Ion Ratio Lower Upper
45 100
77 9.9 0.0 36.4
79 7.6 0.0 33.4

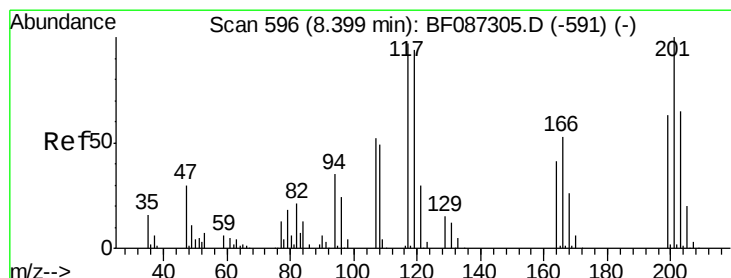
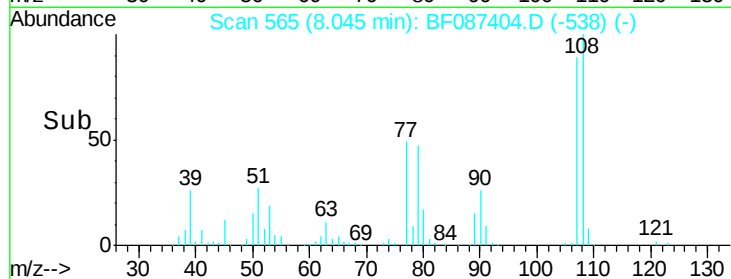
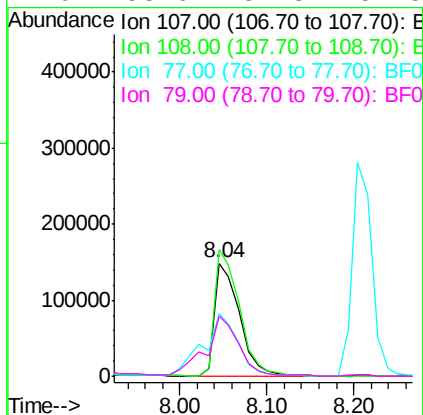
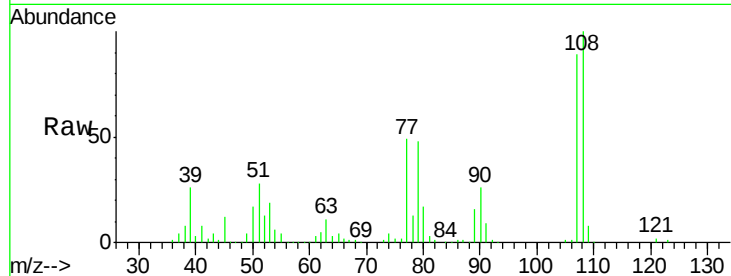




#17
 2-Methylphenol
 Concen: 52.65 ng
 RT: 8.04 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: BF087404.D
 Acq: 26 May 2016 9:52

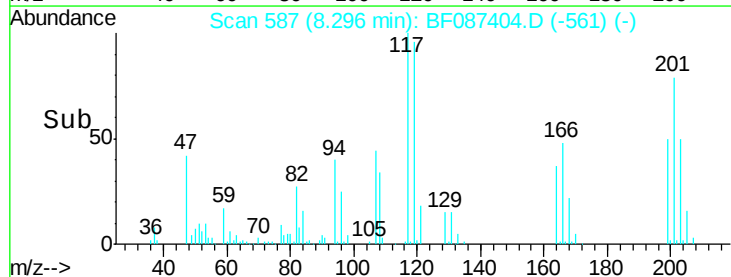
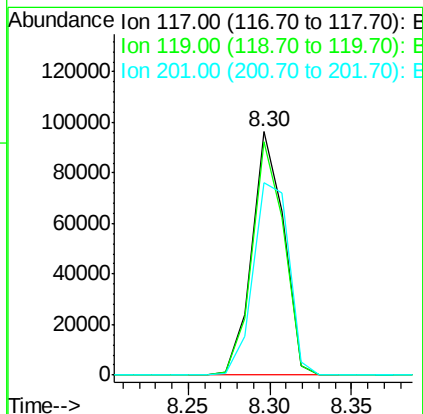
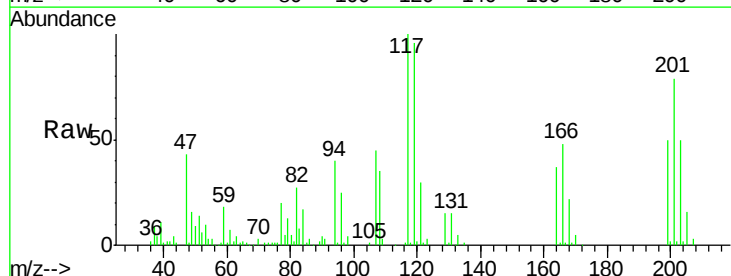
Instrument :
 BNA_F
 ClientSampleId :

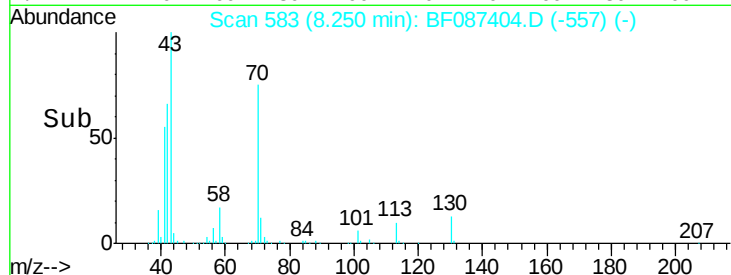
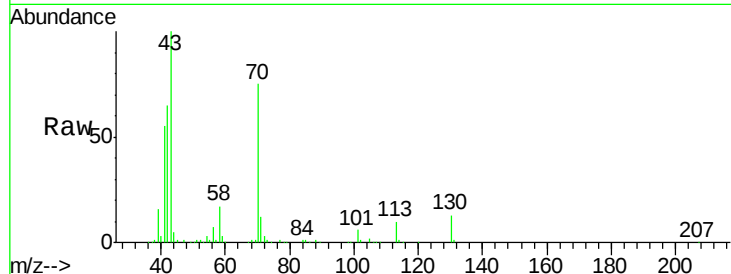
Tot Ion:	107	Resp:	303726
Ion	Ratio	Lower	Upper
107	100		
108	112.7	93.7	140.5
77	55.2	33.4	50.0#
79	53.6	34.3	51.5#



#18
 Hexachloroethane
 Concen: 43.39 ng
 RT: 8.30 min Scan# 587
 Delta R.T. 0.00 min
 Lab File: BF087404.D
 Acq: 26 May 2016 9:52

Tgt Ion:	117	Resp:	130486
Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.5	114.7
201	78.8	63.0	94.6

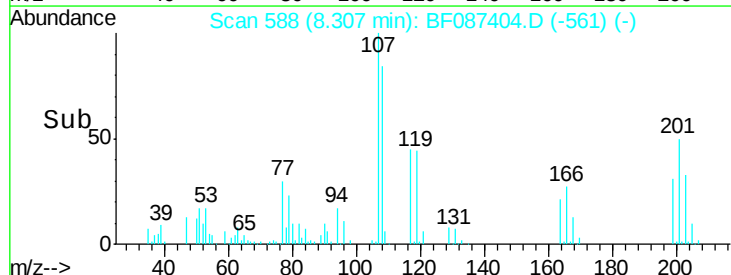
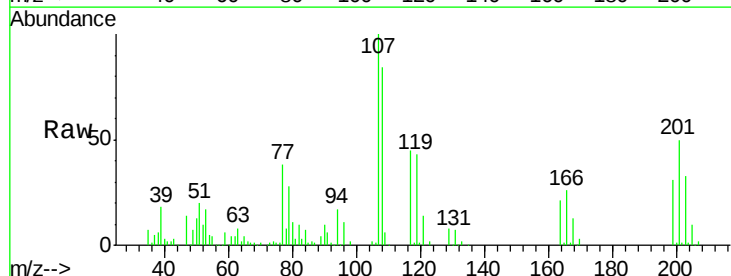
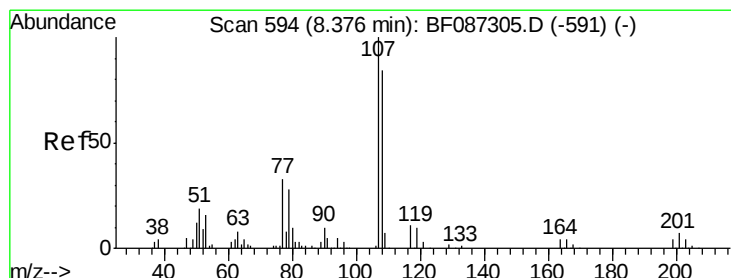
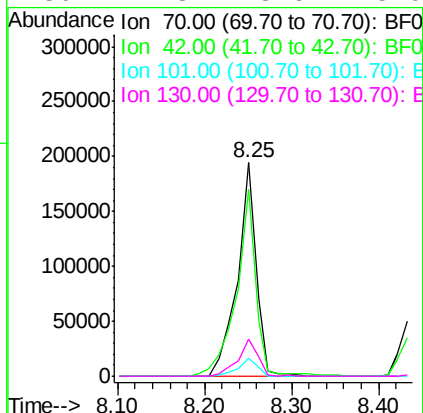




#19
n-Nitroso-di-n-propylamine
Concen: 50.17 ng
RT: 8.25 min Scan# 583
Delta R.T. 0.00 min
Lab File: BF087404.D
Acq: 26 May 2016 9:52

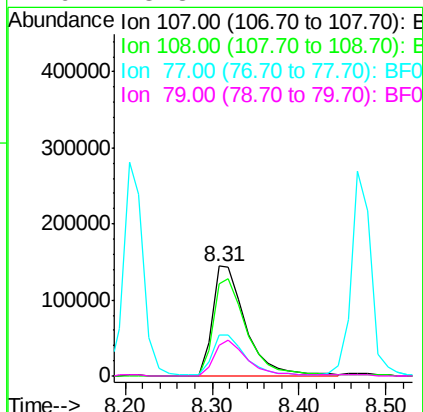
Instrument :
BNA_F
ClientSampleId :

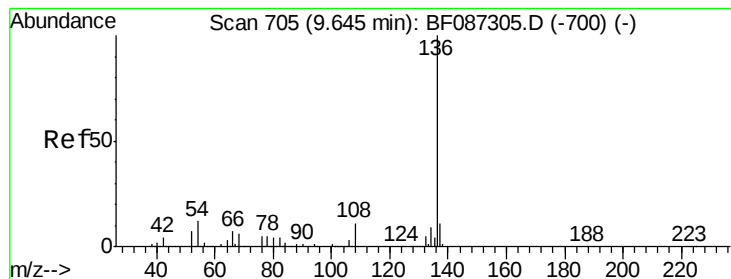
Tot Ion	Ratio	Lower	Upper
70	100		
42	87.4	43.1	64.7#
101	8.5	8.1	12.1
130	17.3	18.6	28.0#



#20
3+4-Methylphenols
Concen: 55.78 ng
RT: 8.31 min Scan# 588
Delta R.T. 0.01 min
Lab File: BF087404.D
Acq: 26 May 2016 9:52

Tgt Ion	Ratio	Lower	Upper
107	100		
108	84.2	68.5	108.5
77	37.6	101.6	141.6#
79	28.3	7.4	47.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.55 min Scan# 697

Delta R.T. 0.00 min

Lab File: BF087404.D

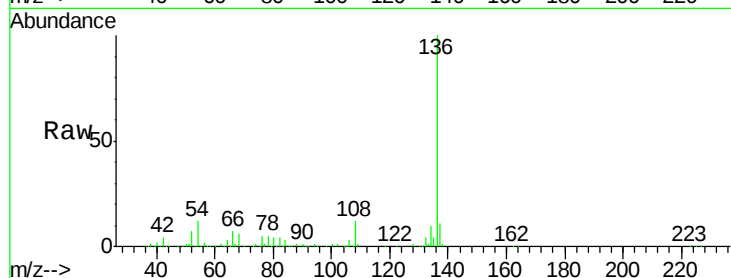
Acq: 26 May 2016 9:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	390237
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.8 13.2
54	11.8	5.0 7.4#
68	5.8	4.4 6.6

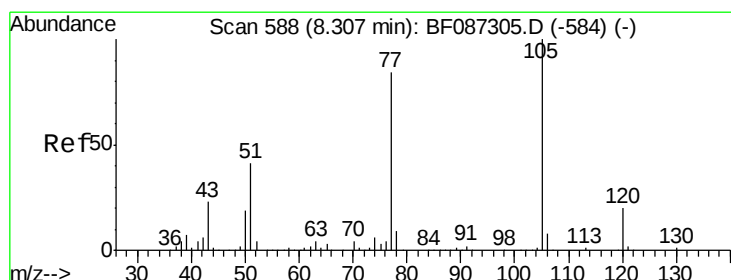
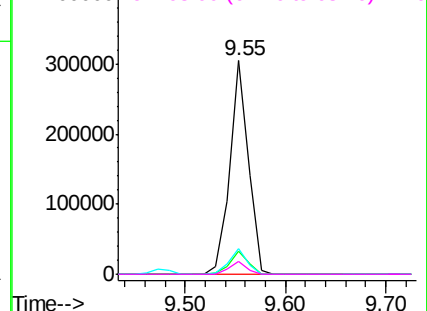
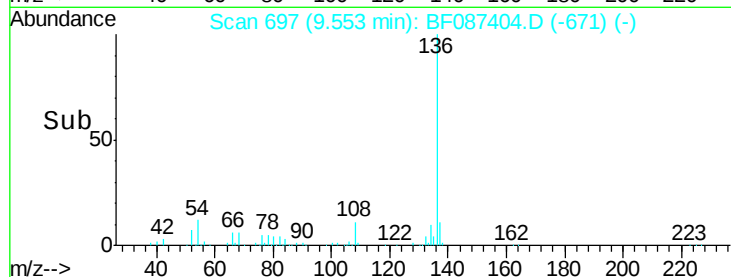


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 56.81 ng

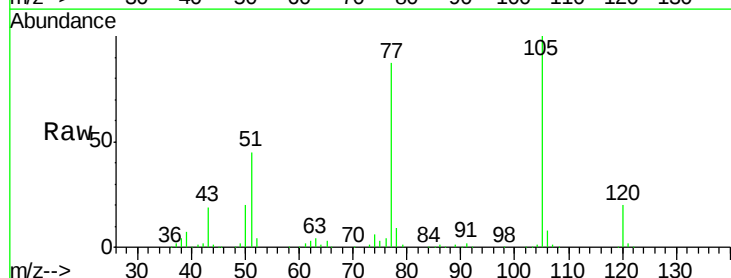
RT: 8.20 min Scan# 579

Delta R.T. -0.01 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

Tgt Ion:105	Resp:	529663
Ion Ratio	Lower	Upper
105	100	
71	0.0	4.8 7.2#
51	45.2	32.6 49.0
120	19.9	16.5 24.7

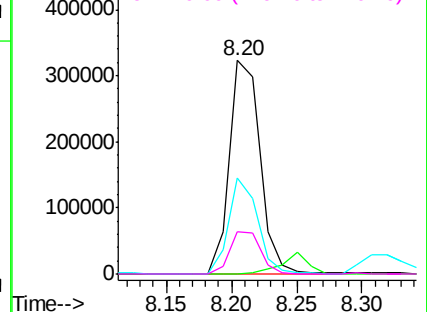
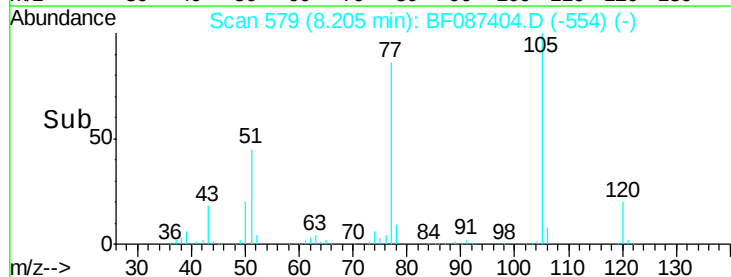


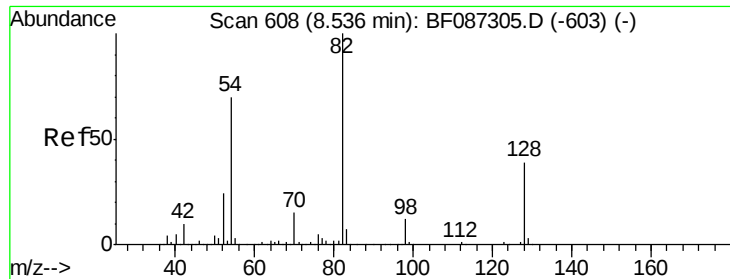
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

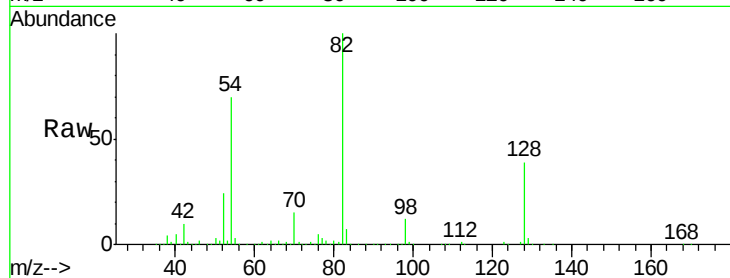




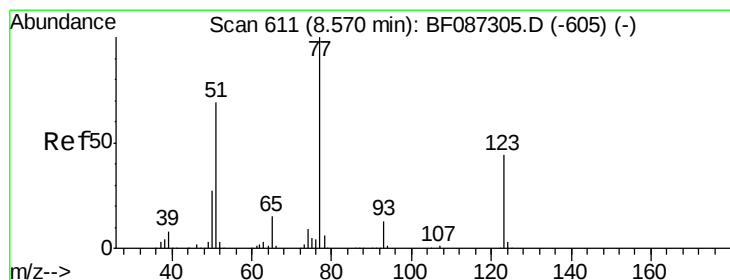
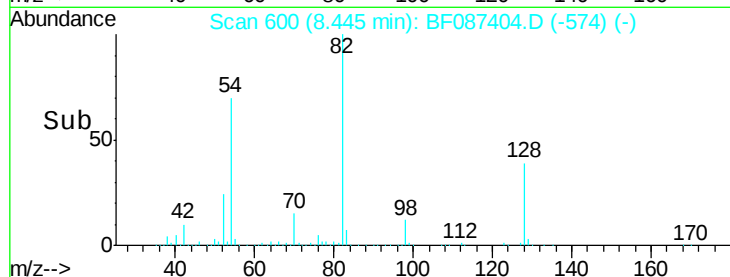
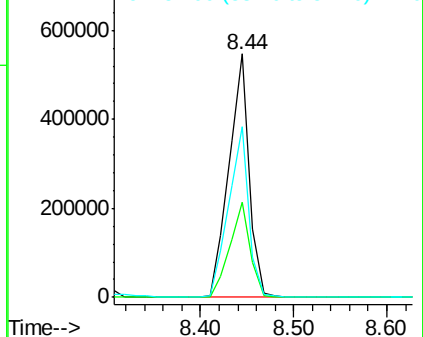
#23
 Nitrobenzene-d5
 Concen: 107.30 ng
 RT: 8.44 min Scan# 600
 Delta R.T. 0.00 min
 Lab File: BF087404.D
 Acq: 26 May 2016 9:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 830847
 Ion Ratio Lower Upper
 82 100
 128 38.8 40.6 61.0#
 54 70.0 38.1 57.1#

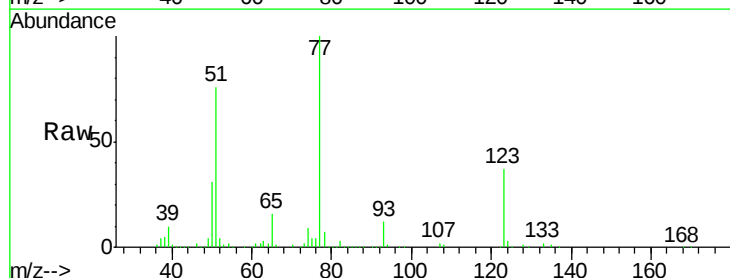


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

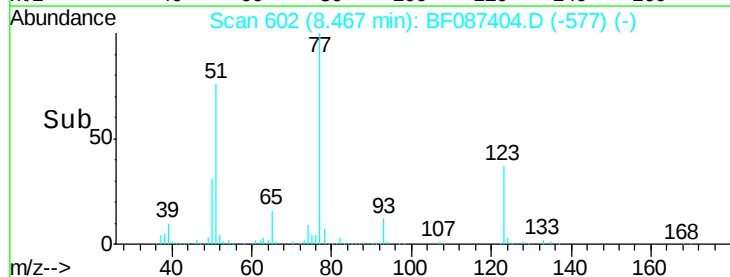
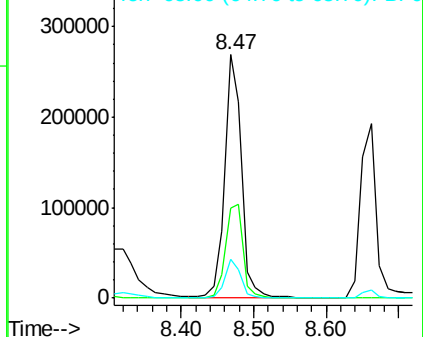


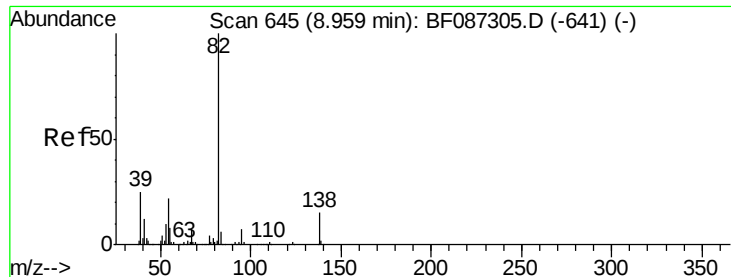
#24
 Nitrobenzene
 Concen: 52.33 ng
 RT: 8.47 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: BF087404.D
 Acq: 26 May 2016 9:52

Tgt Ion: 77 Resp: 427716
 Ion Ratio Lower Upper
 77 100
 123 36.7 33.0 49.4
 65 15.8 10.8 16.2



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): BF0
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 51.69 ng

RT: 8.87 min Scan# 637

Delta R.T. -0.01 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

Instrument :

BNA_F

ClientSampleId :

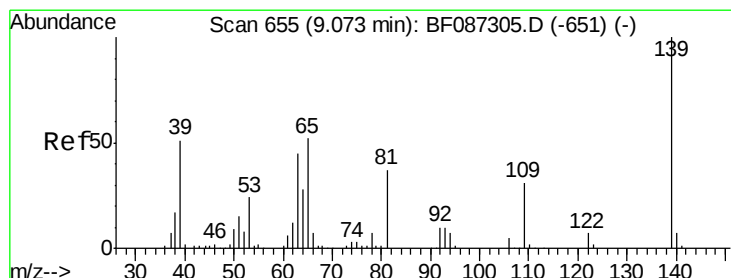
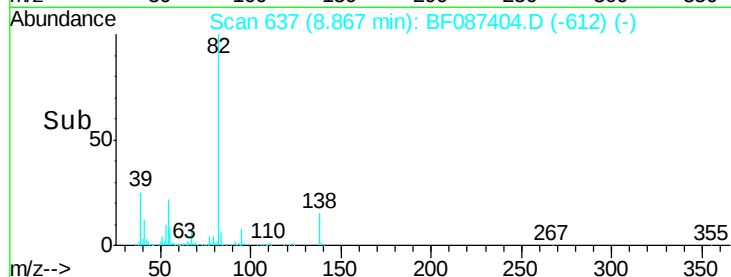
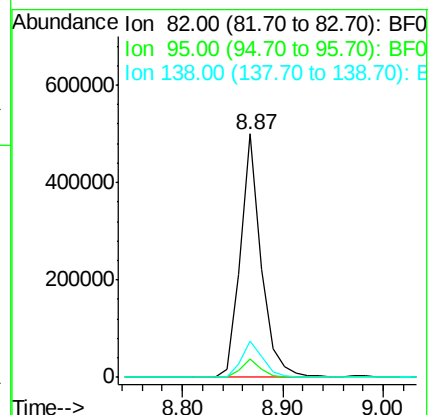
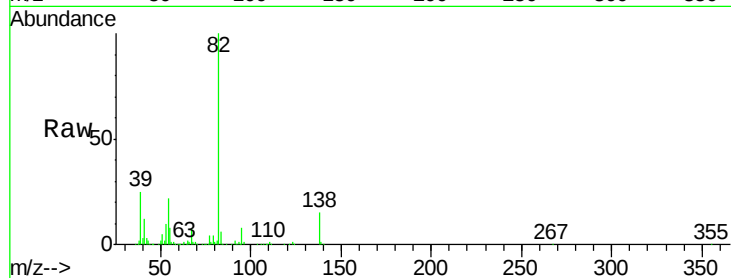
Tot Ion: 82 Resp: 717884

Ion Ratio Lower Upper

82 100

95 7.5 5.1 7.7

138 15.0 12.4 18.6



#26

2-Nitrophenol

Concen: 52.96 ng

RT: 8.98 min Scan# 647

Delta R.T. 0.00 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

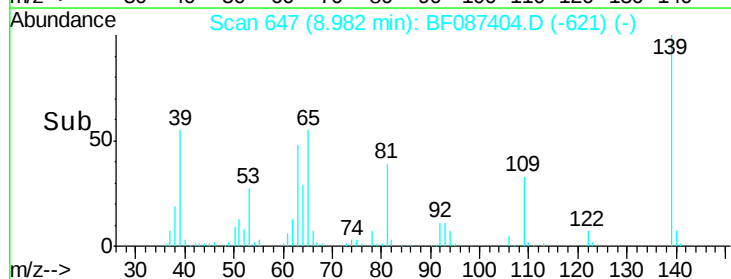
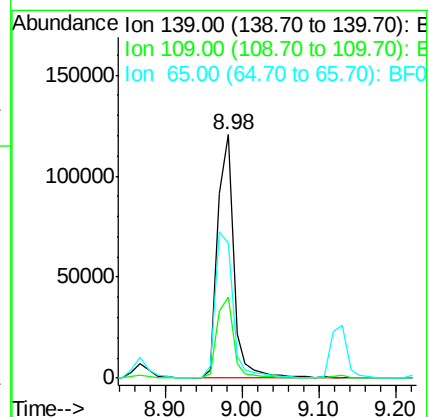
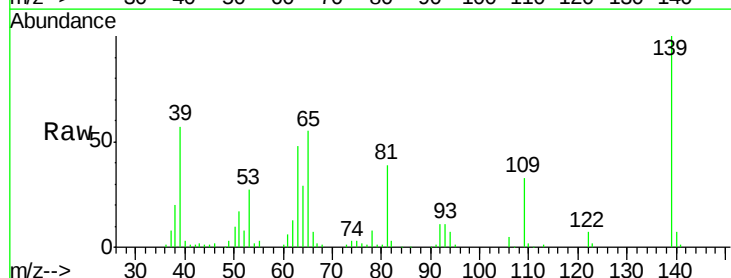
Tgt Ion: 139 Resp: 176947

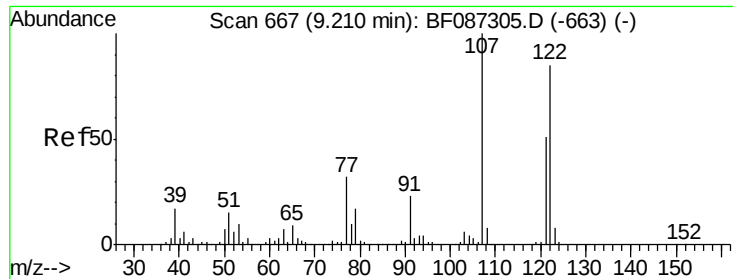
Ion Ratio Lower Upper

139 100

109 33.2 19.5 29.3#

65 55.2 37.5 56.3





#27

2,4-Dimethylphenol

Concen: 51.31 ng

RT: 9.13 min Scan# 660

Delta R.T. 0.01 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

Instrument :

BNA_F

ClientSampleId :

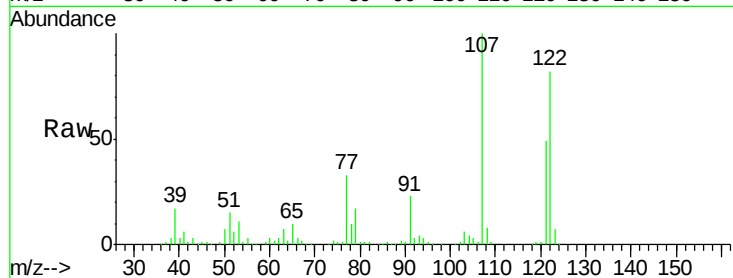
Tot Ion:122 Resp: 297605

Ion Ratio Lower Upper

122 100

107 122.7 82.0 123.0

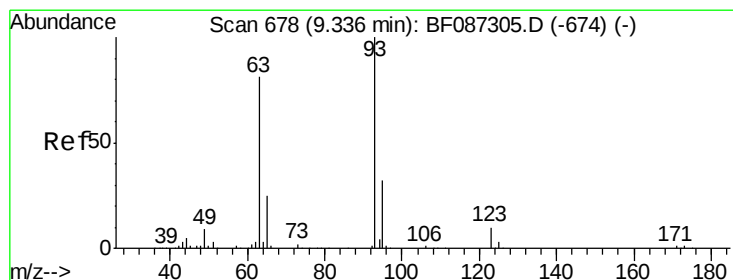
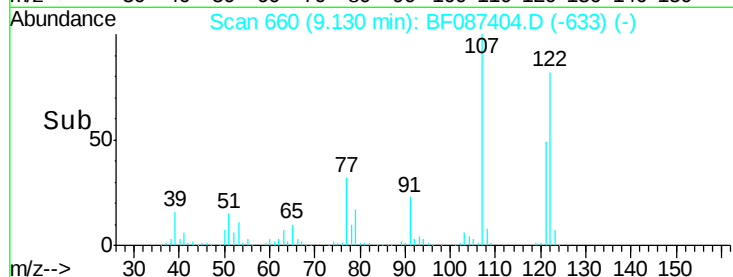
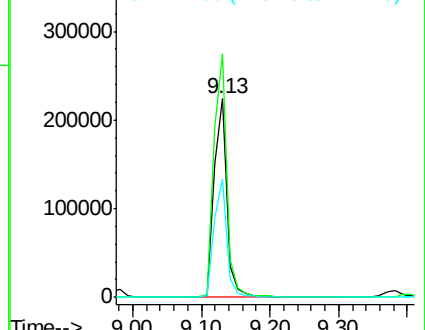
121 59.6 46.1 69.1



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 55.48 ng

RT: 9.24 min Scan# 670

Delta R.T. 0.00 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

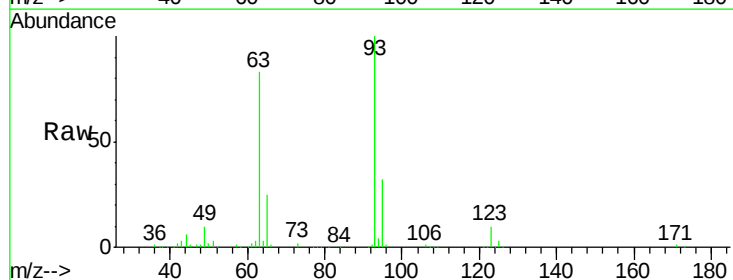
Tgt Ion: 93 Resp: 433956

Ion Ratio Lower Upper

93 100

95 31.9 26.0 39.0

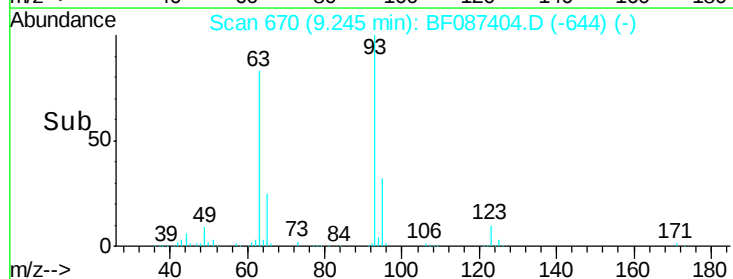
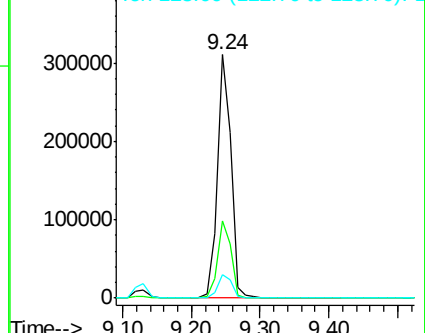
123 9.5 9.5 14.3#

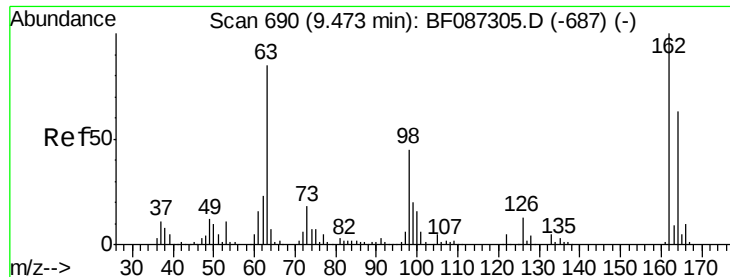


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

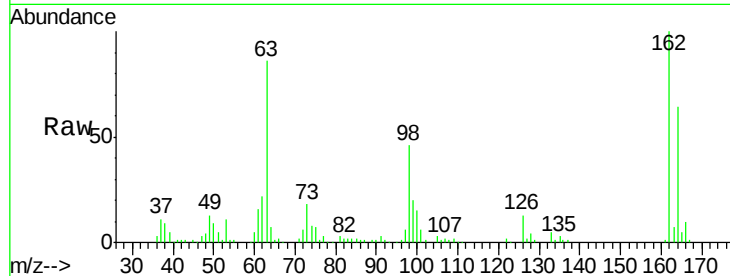




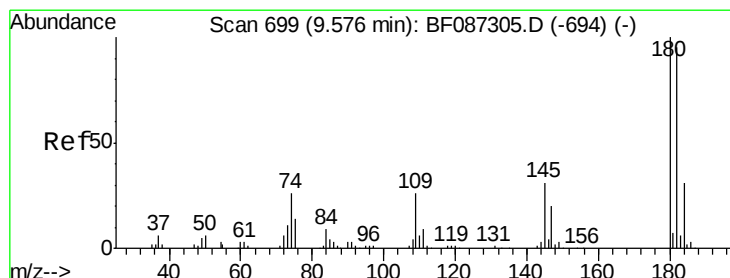
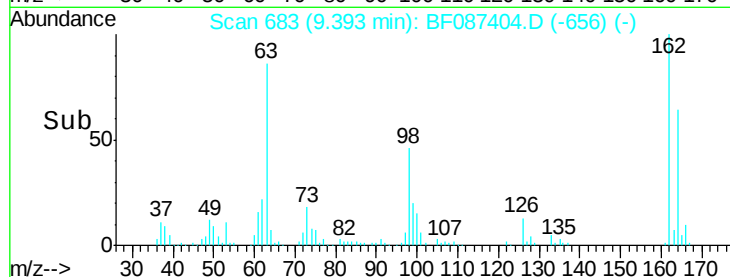
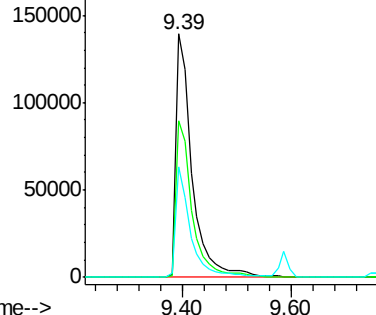
#29
 2,4-Dichlorophenol
 Concen: 54.96 ng
 RT: 9.39 min Scan# 683
 Delta R.T. 0.01 min
 Lab File: BF087404.D
 Acq: 26 May 2016 9:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.3	42.2	82.2
98	45.6	19.0	59.0

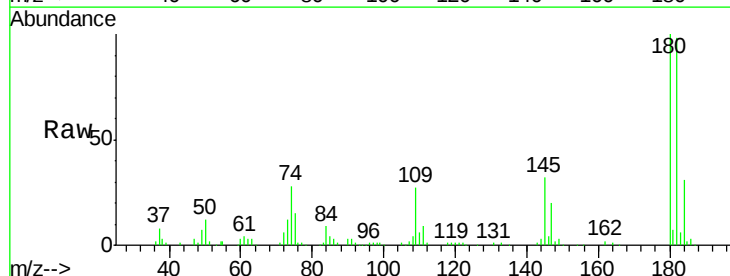


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

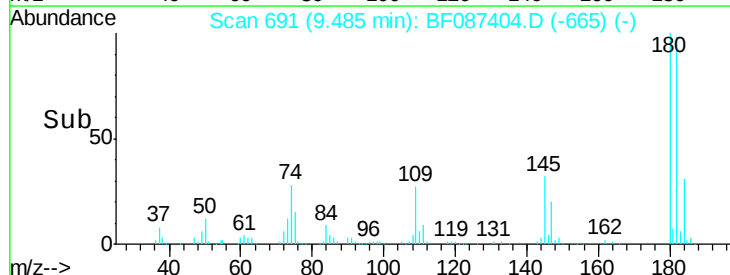
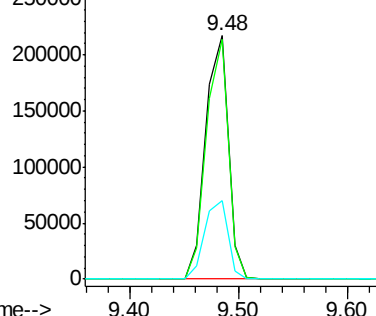


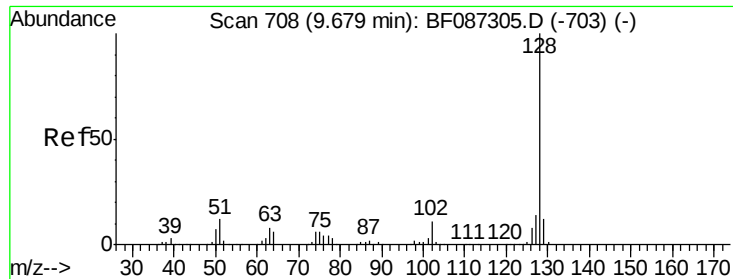
#30
 1,2,4-Trichlorobenzene
 Concen: 52.24 ng
 RT: 9.48 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: BF087404.D
 Acq: 26 May 2016 9:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.2	78.0	117.0
145	32.1	24.2	36.2



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

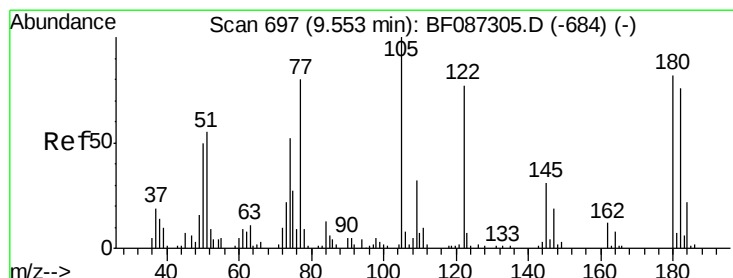
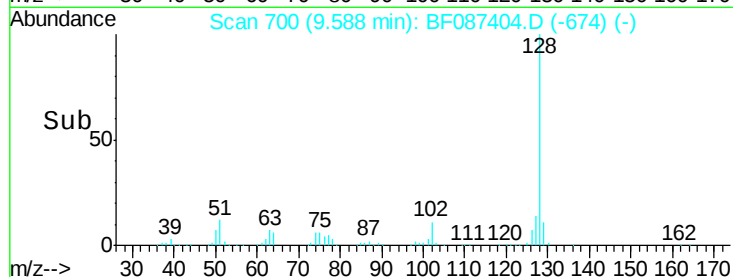
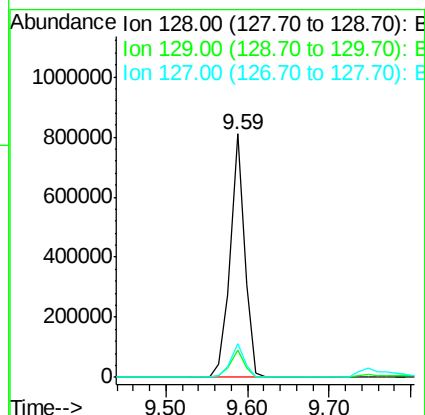
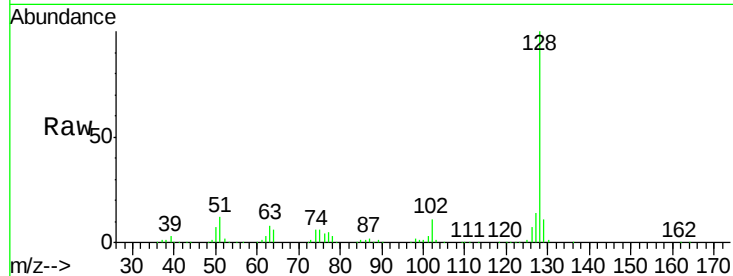




#31
Naphthalene
Concen: 51.20 ng
RT: 9.59 min Scan# 700
Delta R.T. 0.00 min
Lab File: BF087404.D
Acq: 26 May 2016 9:52

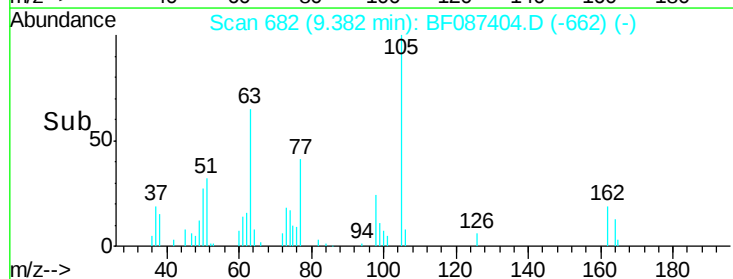
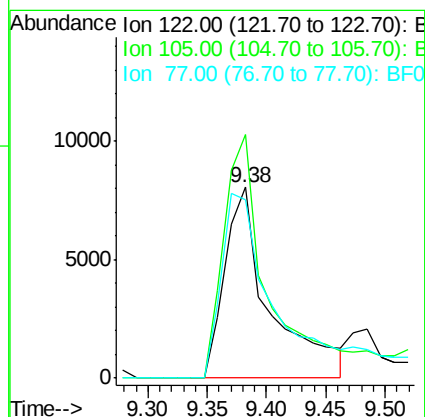
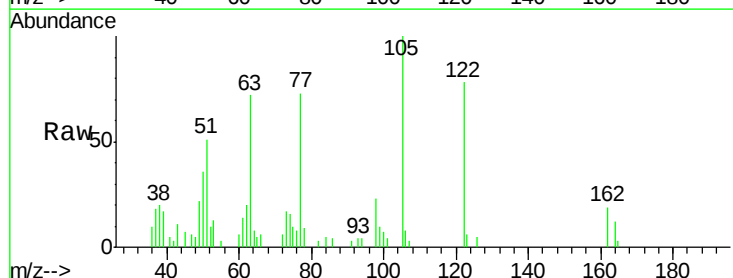
Instrument :
BNA_F
ClientSampled :

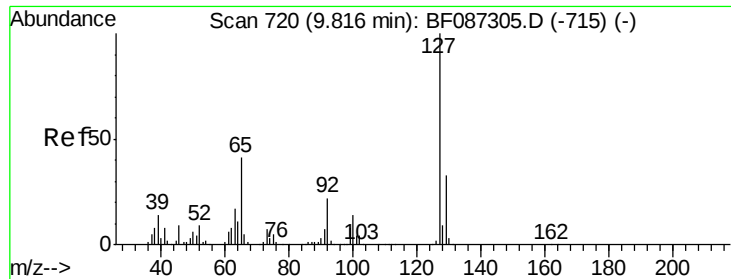
Tot Ion:128 Resp: 1001230
Ion Ratio Lower Upper
128 100
129 11.4 8.6 13.0
127 13.6 10.8 16.2



#32
Benzoic acid
Concen: 12.09 ng
RT: 9.38 min Scan# 682
Delta R.T. -0.07 min
Lab File: BF087404.D
Acq: 26 May 2016 9:52

Tgt Ion:122 Resp: 21311
Ion Ratio Lower Upper
122 100
105 127.7 92.6 132.6
77 93.8 60.0 100.0

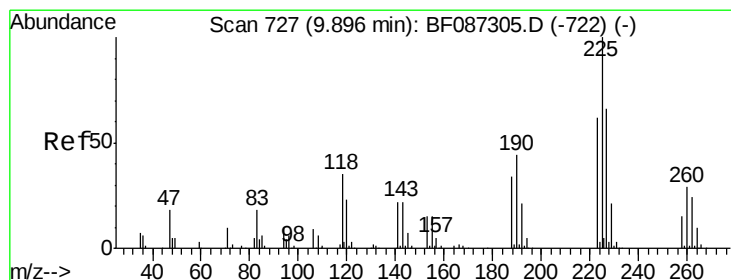
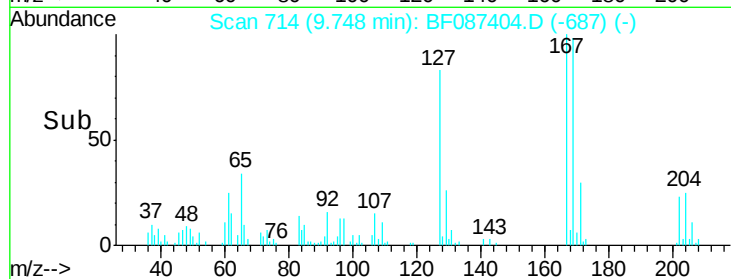
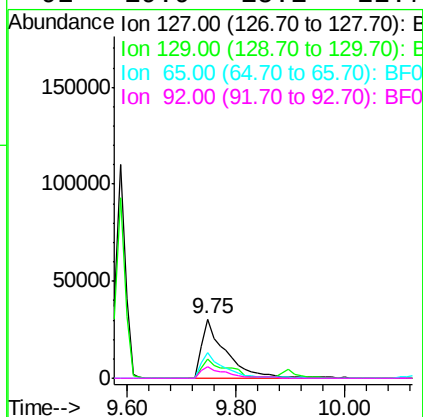
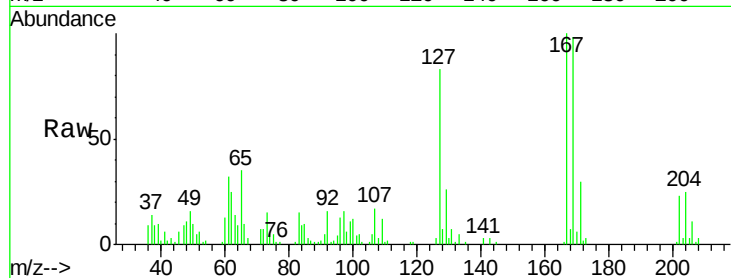




#33
4-Chloroaniline
Concen: 13.09 ng
RT: 9.75 min Scan# 714
Delta R.T. 0.01 min
Lab File: BF087404.D
Acq: 26 May 2016 9:52

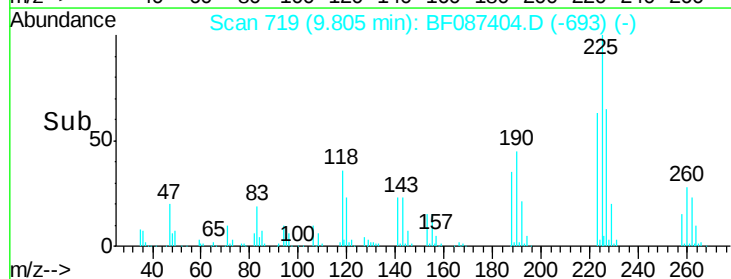
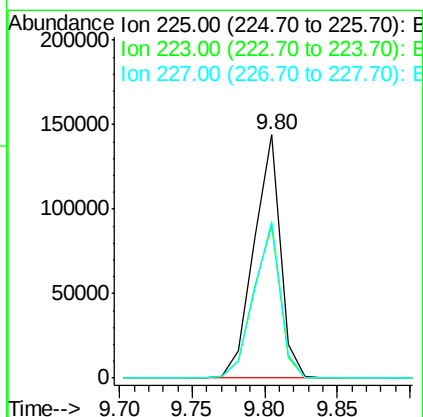
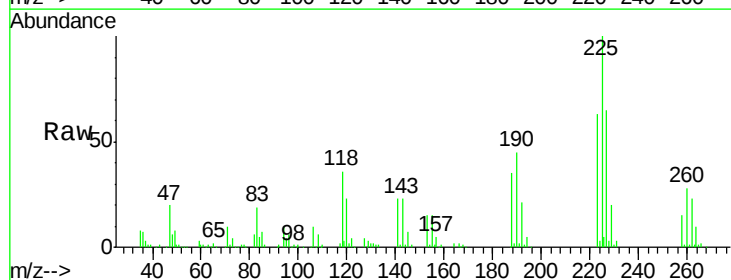
Instrument :
BNA_F
ClientSampleId :

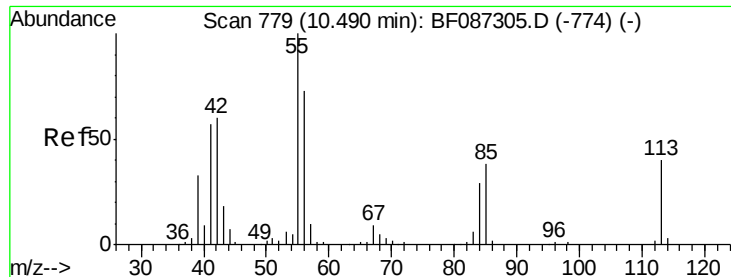
Tot Ion:	127	Resp:	94243
Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.2	39.4
65	42.5	23.0	34.4
92	19.9	15.1	22.7



#34
Hexachlorobutadiene
Concen: 49.99 ng
RT: 9.80 min Scan# 719
Delta R.T. 0.00 min
Lab File: BF087404.D
Acq: 26 May 2016 9:52

Tgt Ion:	225	Resp:	181837
Ion	Ratio	Lower	Upper
225	100		
223	62.6	51.5	77.3
227	64.5	52.2	78.2

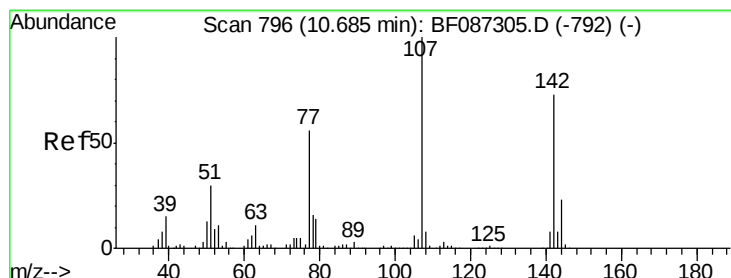
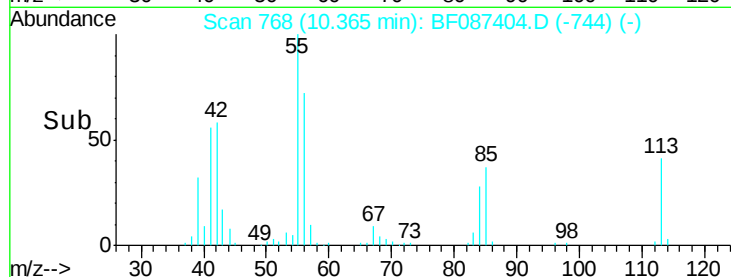
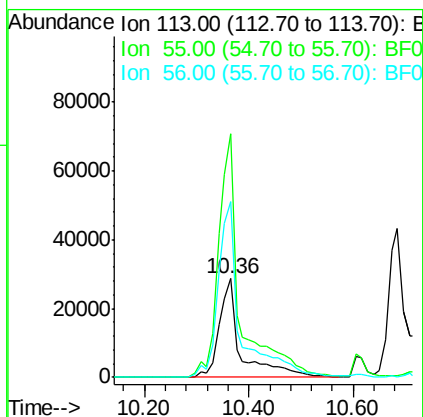
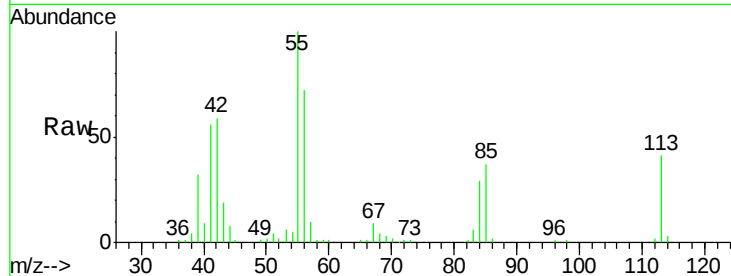




#35
 Caprolactam
 Concen: 53.36 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.02 min
 Lab File: BF087404.D
 Acq: 26 May 2016 9:52

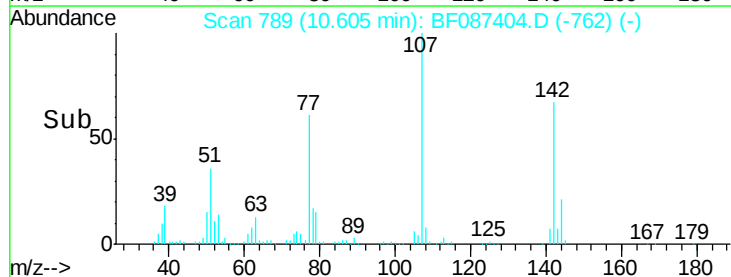
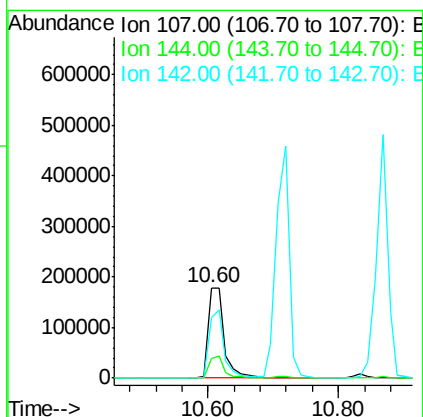
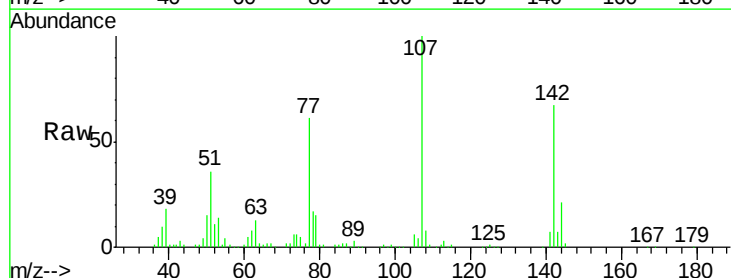
Instrument :
 BNA_F
 ClientSampleId :

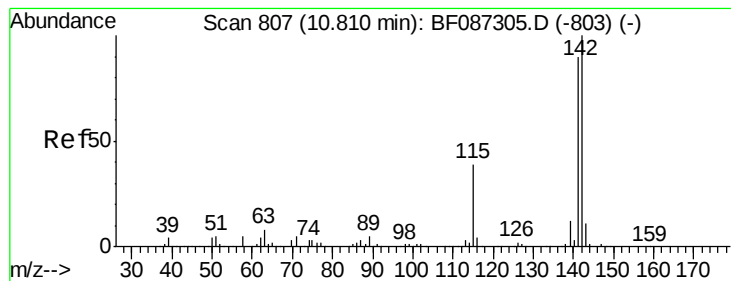
Tot Ion:113 Resp: 81407
 Ion Ratio Lower Upper
 113 100
 55 246.1 162.0 202.0#
 56 177.2 115.3 155.3#



#36
 4-Chloro-3-methylphenol
 Concen: 52.33 ng
 RT: 10.60 min Scan# 789
 Delta R.T. 0.01 min
 Lab File: BF087404.D
 Acq: 26 May 2016 9:52

Tgt Ion:107 Resp: 309249
 Ion Ratio Lower Upper
 107 100
 144 21.1 20.7 31.1
 142 66.9 63.2 94.8





#37

2-Methylnaphthalene

Concen: 52.06 ng

RT: 10.72 min Scan# 799

Delta R.T. 0.00 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

Instrument :

BNA_F

ClientSampleId :

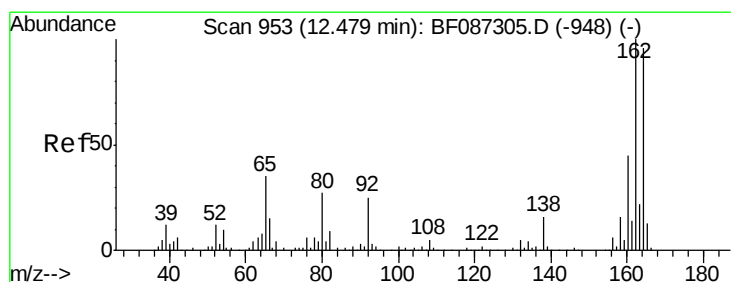
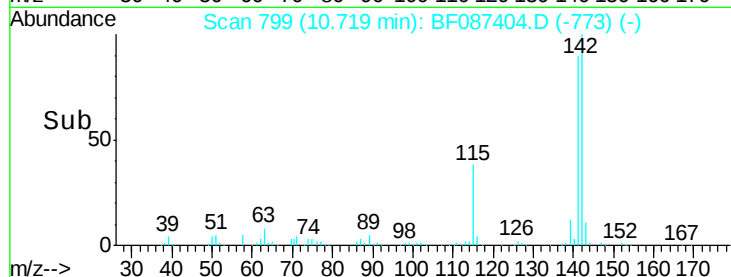
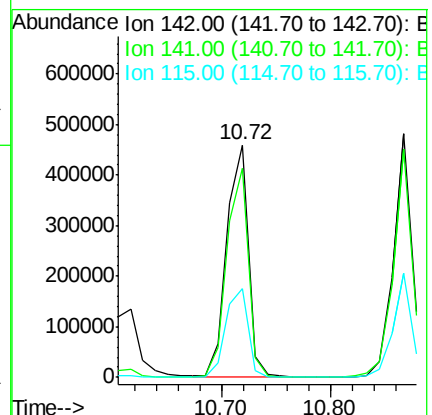
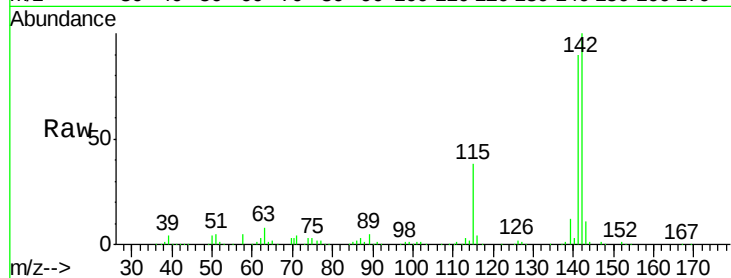
Tot Ion:142 Resp: 636000

Ion Ratio Lower Upper

142 100

141 89.8 71.0 106.6

115 38.1 26.6 39.8



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.38 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

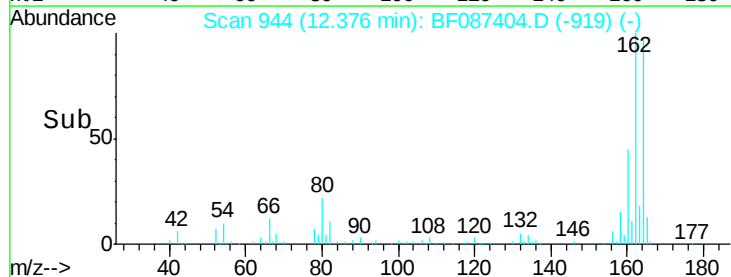
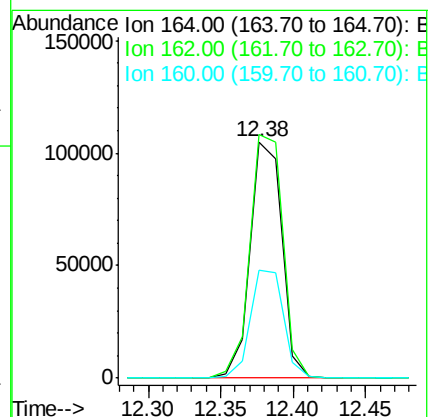
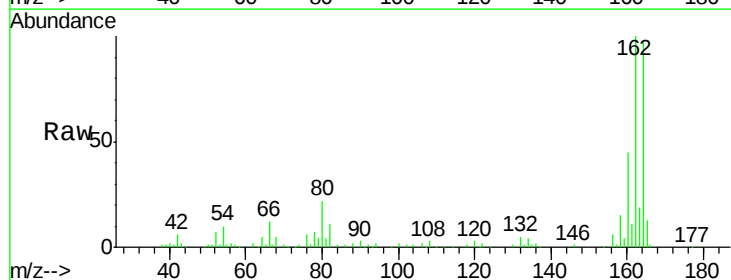
Tgt Ion:164 Resp: 159335

Ion Ratio Lower Upper

164 100

162 103.1 82.8 124.2

160 45.9 36.9 55.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 54.48 ng

RT: 10.99 min Scan# 823

Delta R.T. 0.00 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion:216 Resp: 277852

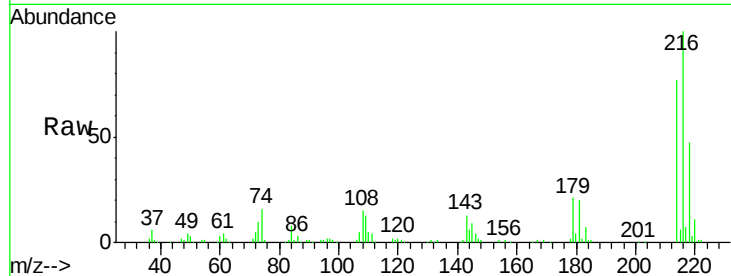
Ion Ratio Lower Upper

216 100

214 78.8 62.6 93.8

179 24.0 18.2 27.4

108 21.0 17.5 26.3

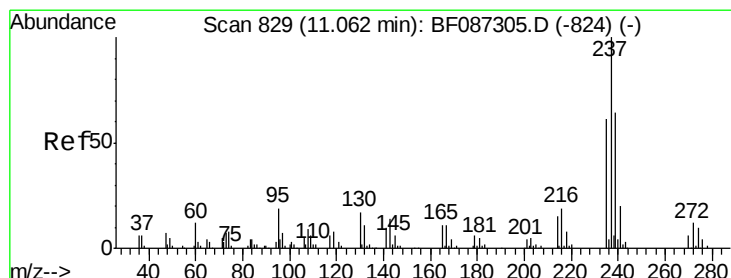
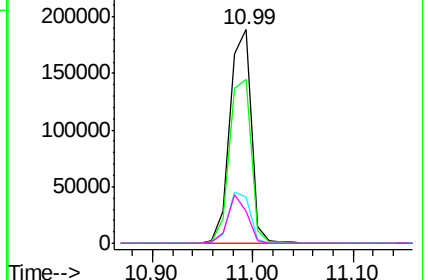
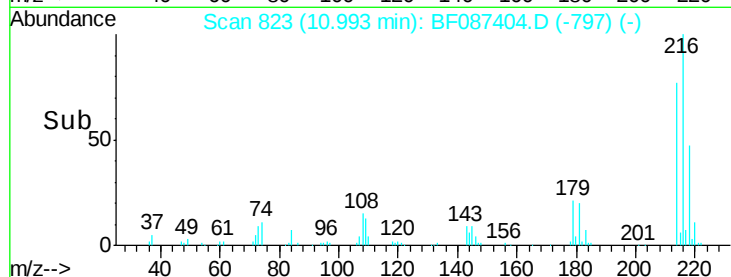


Abundance Ion 216.00 (215.70 to 216.70): E

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: 19.50 ng

RT: 10.96 min Scan# 820

Delta R.T. 0.00 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

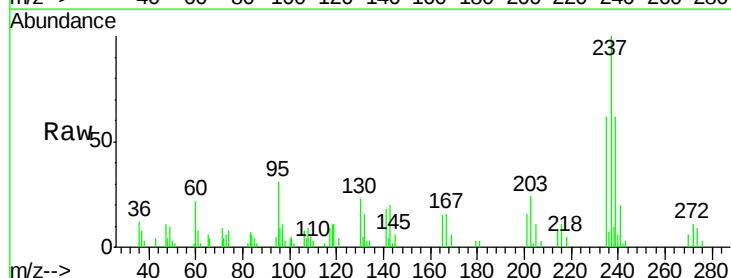
Tgt Ion:237 Resp: 23901

Ion Ratio Lower Upper

237 100

235 62.2 47.2 87.2

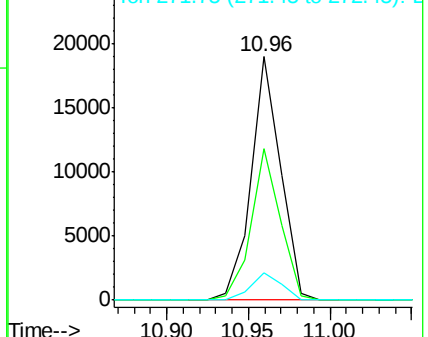
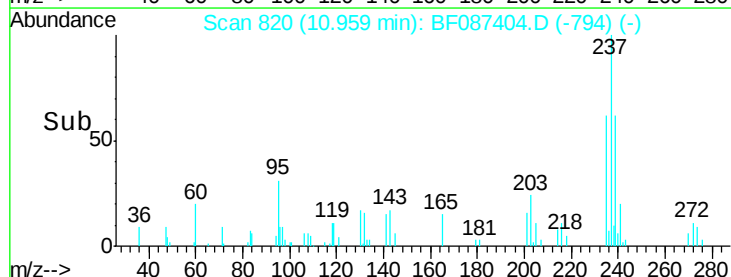
272 11.1 0.0 31.1

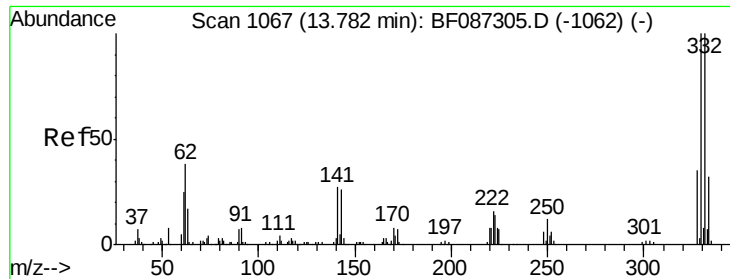


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

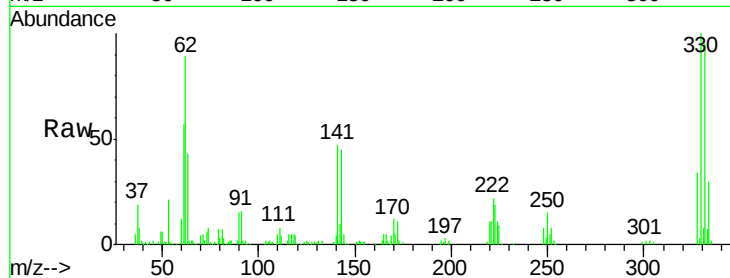




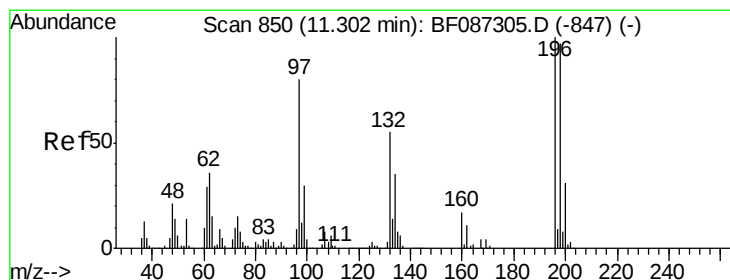
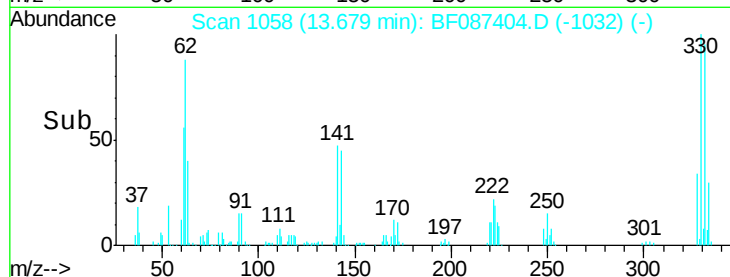
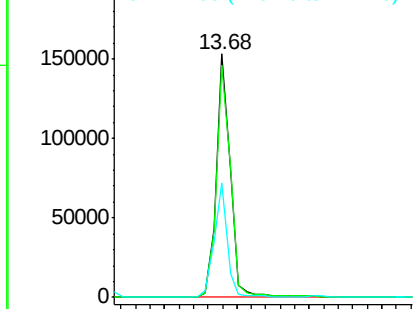
#41
 2,4,6-Tribromophenol
 Concen: 134.58 ng
 RT: 13.68 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: BF087404.D
 Acq: 26 May 2016 9:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 206070
 Ion Ratio Lower Upper
 330 100
 332 98.0 79.0 118.4
 141 44.3 31.2 46.8

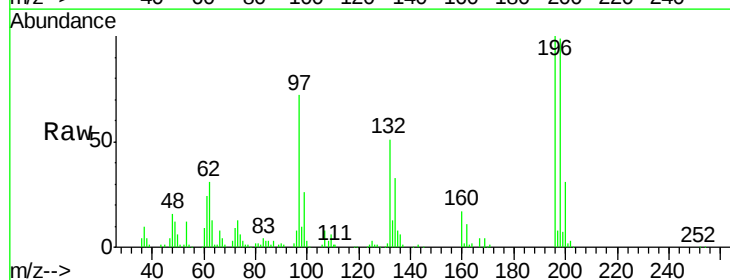


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

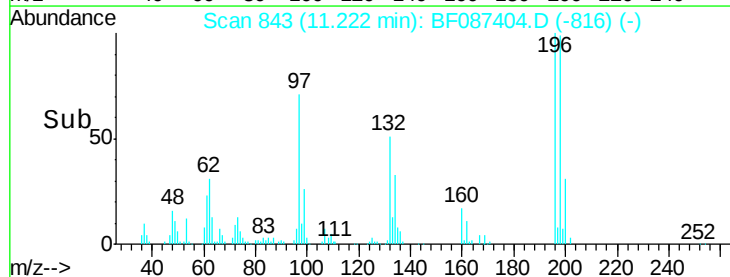
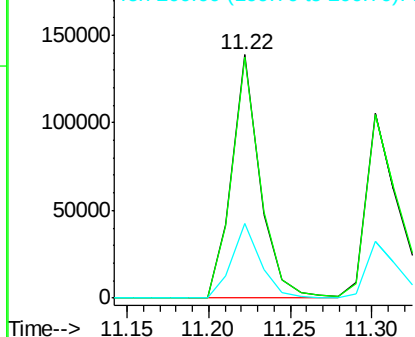


#42
 2,4,6-Trichlorophenol
 Concen: 57.19 ng
 RT: 11.22 min Scan# 843
 Delta R.T. 0.01 min
 Lab File: BF087404.D
 Acq: 26 May 2016 9:52

Tgt Ion:196 Resp: 168349
 Ion Ratio Lower Upper
 196 100
 198 98.9 74.7 112.1
 200 30.7 23.8 35.6



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

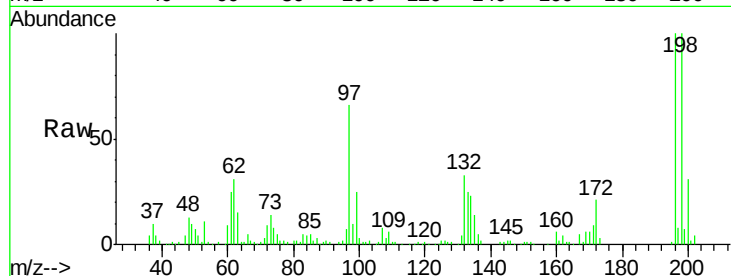




#43
 2,4,5-Trichlorophenol
 Concen: 53.75 ng
 RT: 11.30 min Scan# 850
 Delta R.T. 0.01 min
 Lab File: BF087404.D
 Acq: 26 May 2016 9:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
196	100		
198	99.7	77.5	116.3
97	66.0	34.8	52.2
132	33.3	23.0	34.4



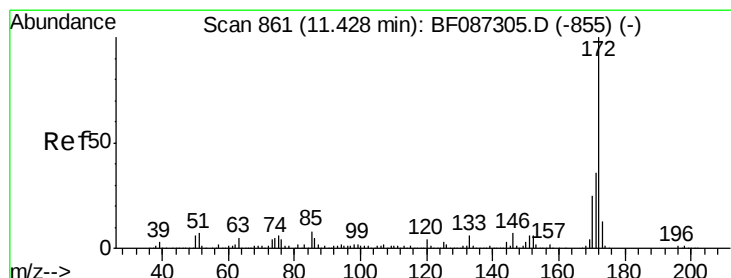
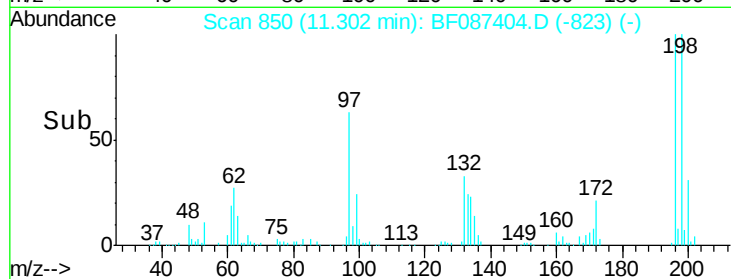
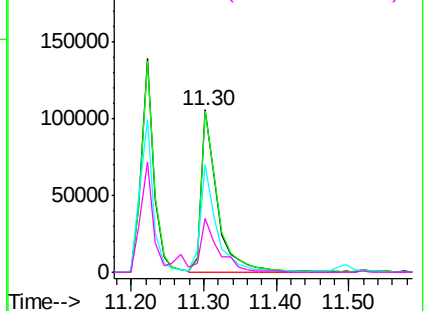
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

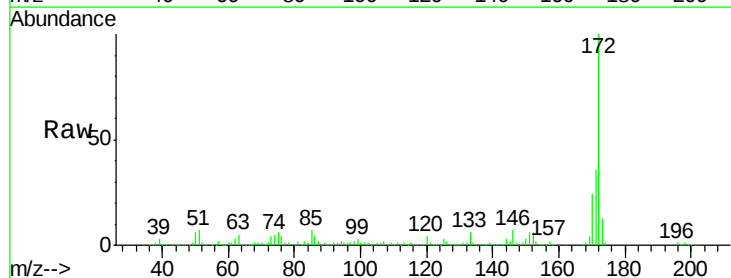
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 108.37 ng
 RT: 11.34 min Scan# 853
 Delta R.T. 0.00 min
 Lab File: BF087404.D
 Acq: 26 May 2016 9:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.6
170	24.4	19.8	29.8

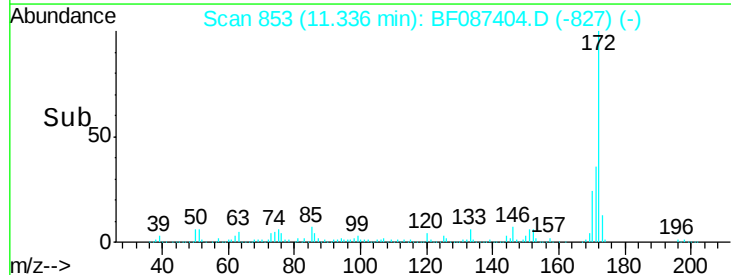
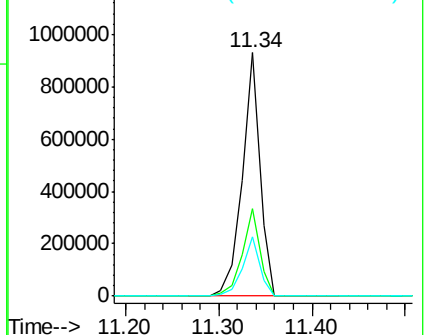


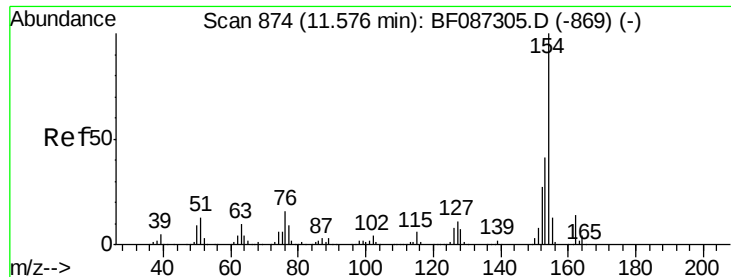
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 55.42 ng

RT: 11.48 min Scan# 866

Delta R.T. 0.00 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

Instrument :

BNA_F

ClientSampleId :

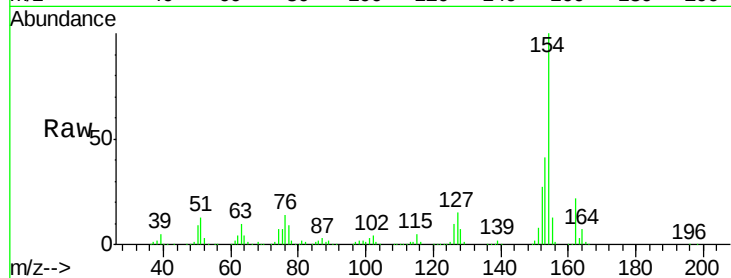
Tot Ion:154 Resp: 743417

Ion Ratio Lower Upper

154 100

153 40.6 20.3 60.3

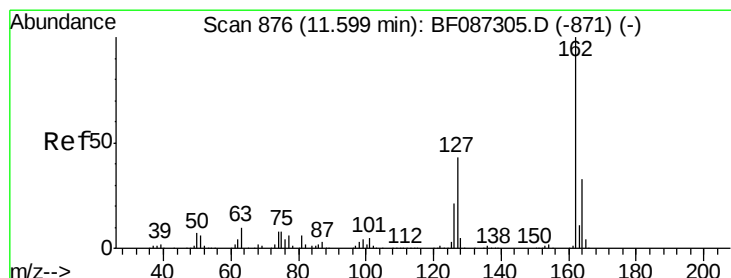
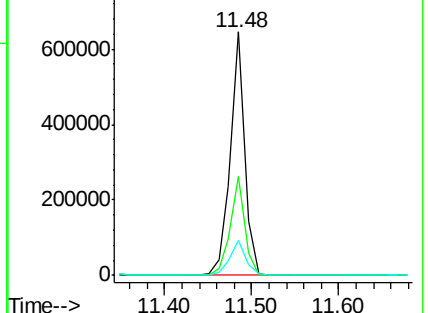
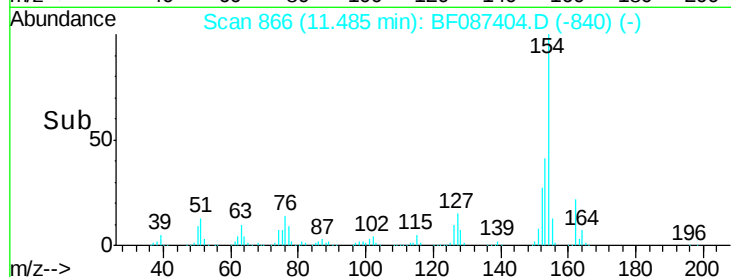
76 14.3 0.0 30.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 52.59 ng

RT: 11.50 min Scan# 867

Delta R.T. 0.00 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

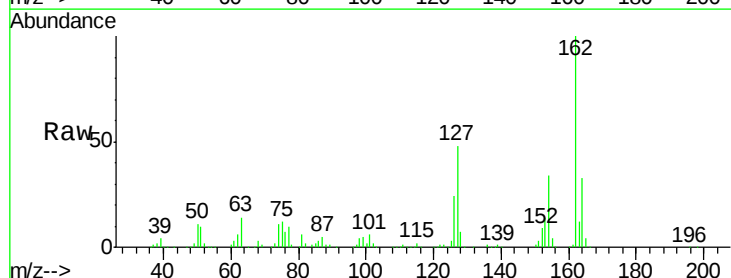
Tgt Ion:162 Resp: 539744

Ion Ratio Lower Upper

162 100

127 48.5 31.8 47.6#

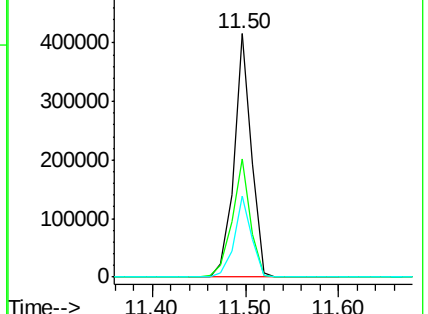
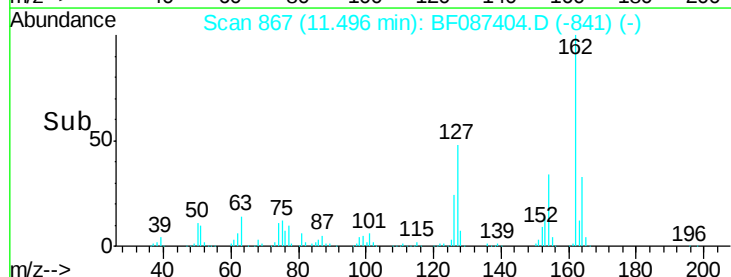
164 33.1 27.0 40.6

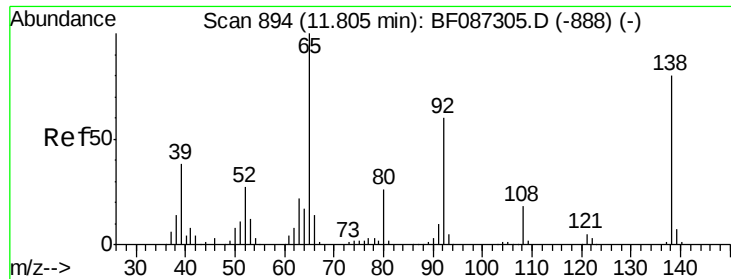


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

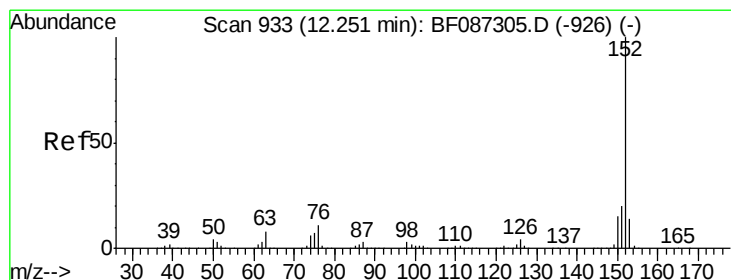
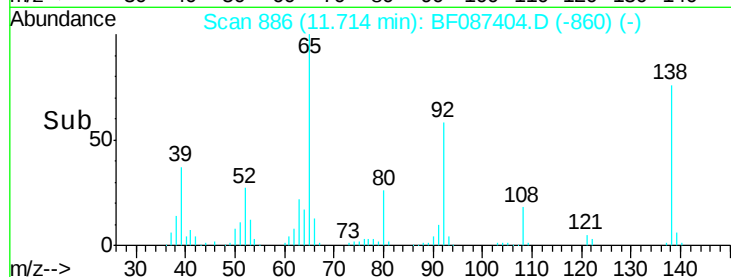
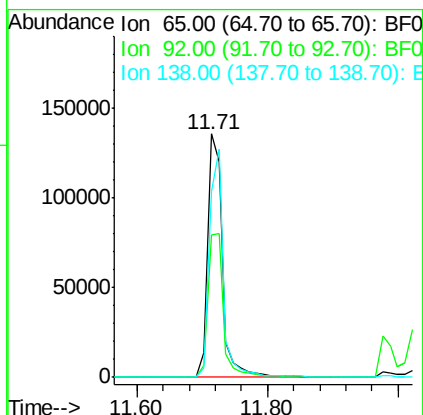
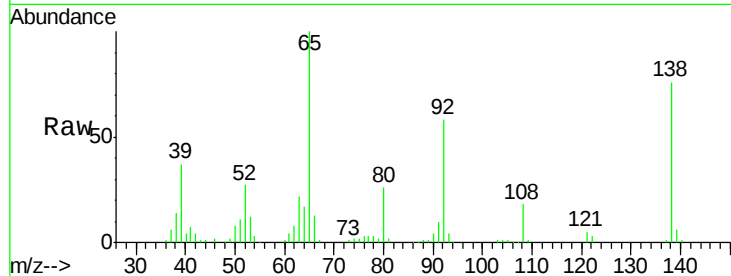




#47
2-Nitroaniline
Concen: 58.59 ng
RT: 11.71 min Scan# 886
Delta R.T. 0.00 min
Lab File: BF087404.D
Acq: 26 May 2016 9:52

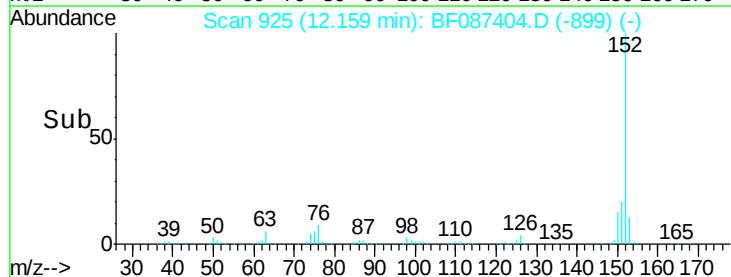
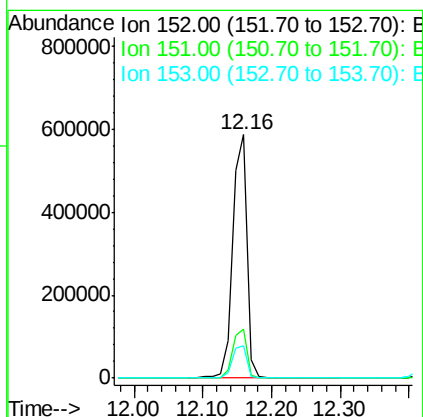
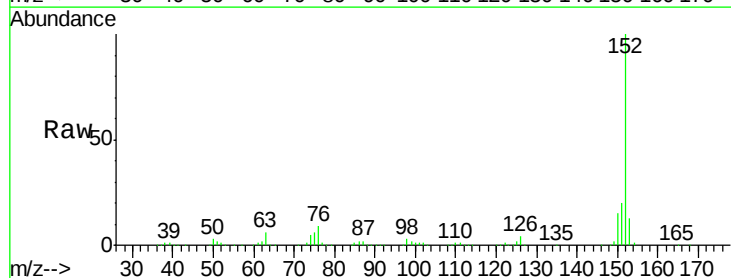
Instrument :
BNA_F
ClientSampleId :

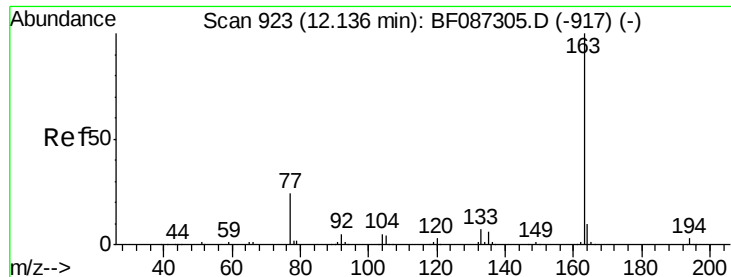
Tot Ion: 65 Resp: 216637
Ion Ratio Lower Upper
65 100
92 58.4 57.4 86.2
138 76.2 90.1 135.1#



#48
Acenaphthylene
Concen: 52.87 ng
RT: 12.16 min Scan# 925
Delta R.T. 0.00 min
Lab File: BF087404.D
Acq: 26 May 2016 9:52

Tgt Ion: 152 Resp: 859035
Ion Ratio Lower Upper
152 100
151 20.2 16.8 25.2
153 13.5 10.9 16.3

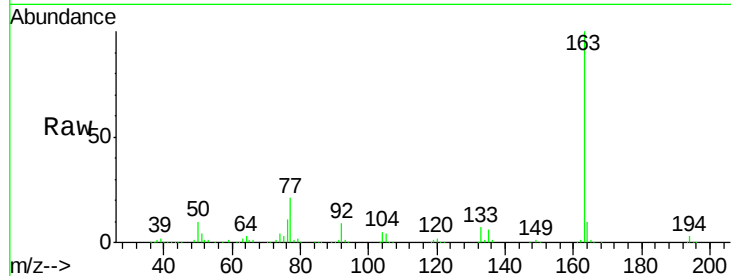




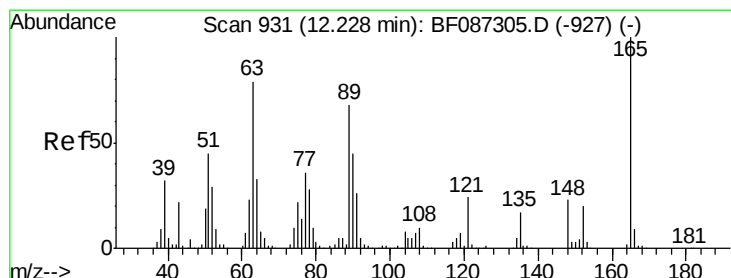
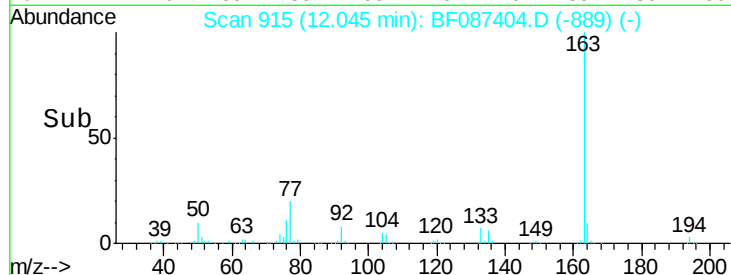
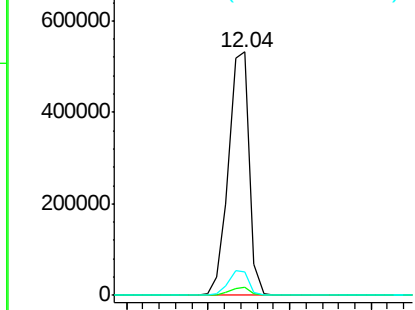
#49
Dimethylphthalate
Concen: 73.71 ng
RT: 12.04 min Scan# 915
Delta R.T. 0.00 min
Lab File: BF087404.D
Acq: 26 May 2016 9:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 940764
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 9.7 8.2 12.4

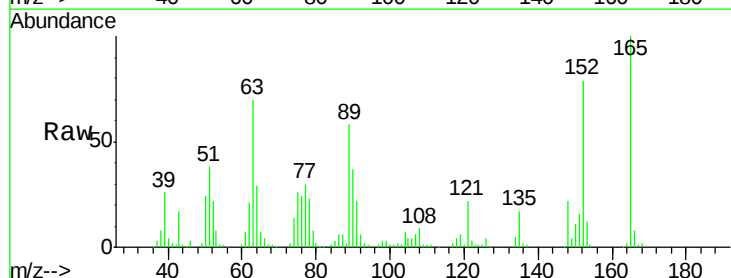


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

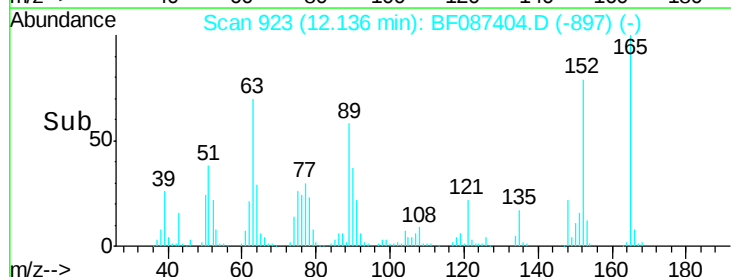
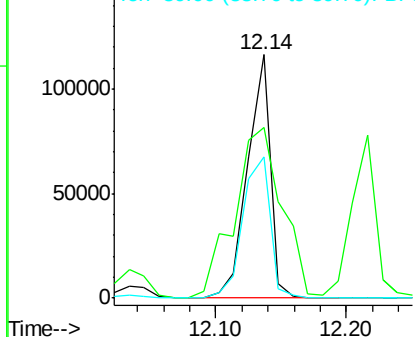


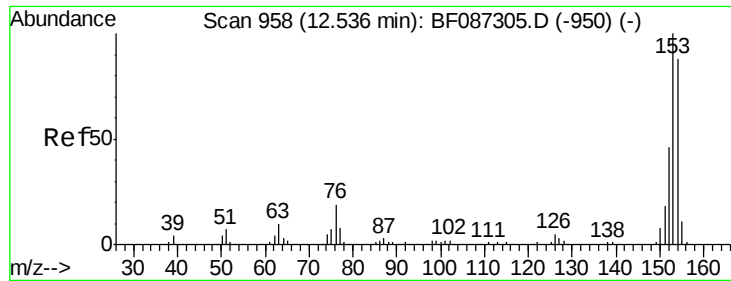
#50
2,6-Dinitrotoluene
Concen: 55.06 ng
RT: 12.14 min Scan# 923
Delta R.T. 0.00 min
Lab File: BF087404.D
Acq: 26 May 2016 9:52

Tgt Ion:165 Resp: 141603
Ion Ratio Lower Upper
165 100
63 70.1 51.8 77.8
89 57.8 50.7 76.1



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 51.21 ng

RT: 12.43 min Scan# 949

Delta R.T. 0.00 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

Instrument :

BNA_F

ClientSampled :

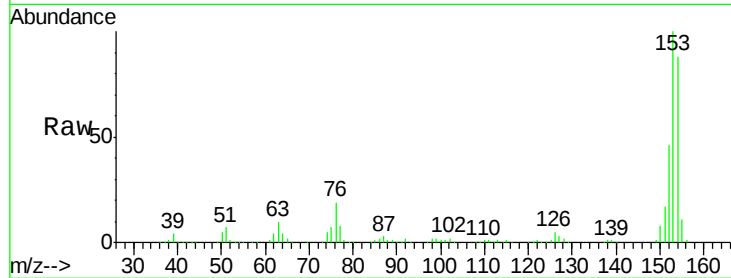
Tot Ion:154 Resp: 511421

Ion Ratio Lower Upper

154 100

153 113.3 89.8 134.6

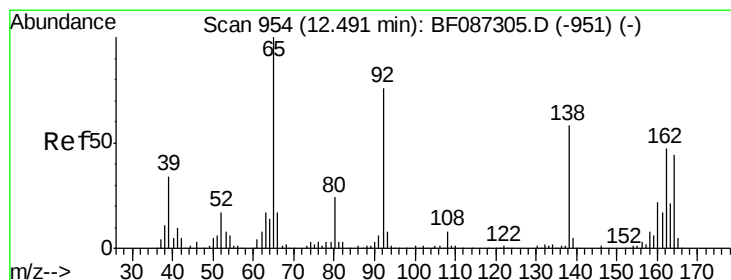
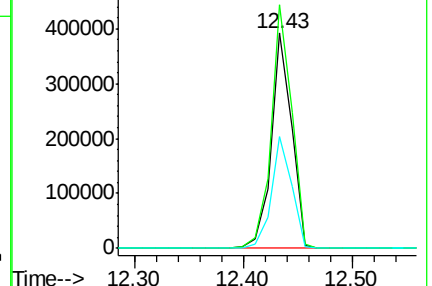
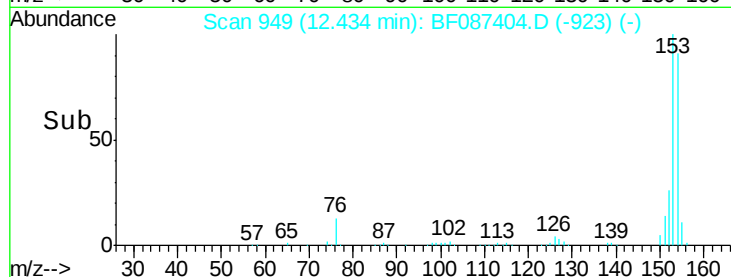
152 51.9 43.4 65.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 36.80 ng

RT: 12.40 min Scan# 946

Delta R.T. 0.00 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

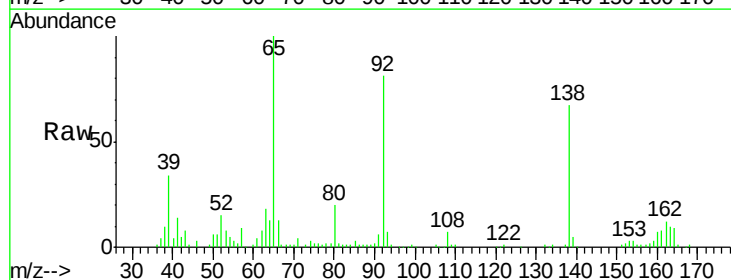
Tgt Ion:138 Resp: 97143

Ion Ratio Lower Upper

138 100

108 11.2 7.8 11.6

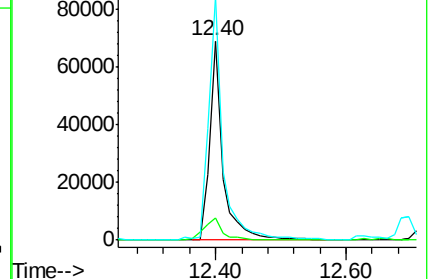
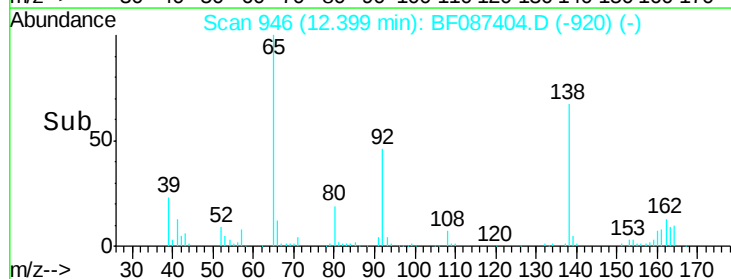
92 122.1 87.8 131.8



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): BF0

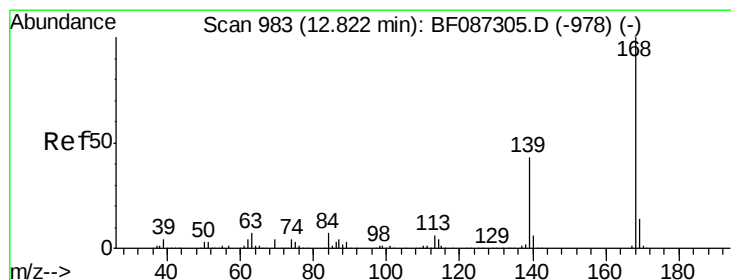
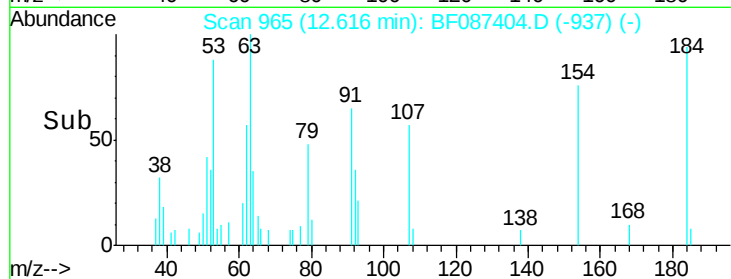
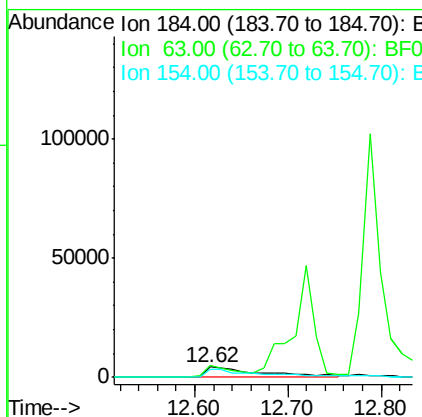
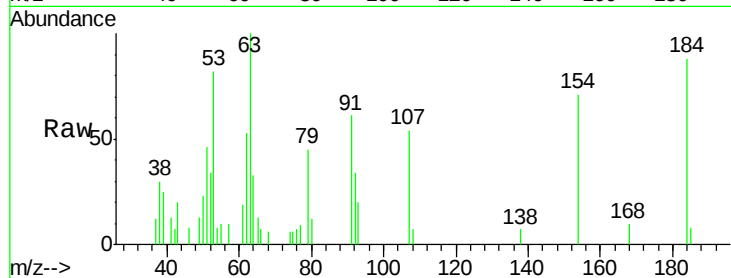




#53
2,4-Dinitrophenol
Concen: 19.10 ng
RT: 12.62 min Scan# 965
Delta R.T. 0.02 min
Lab File: BF087404.D
Acq: 26 May 2016 9:52

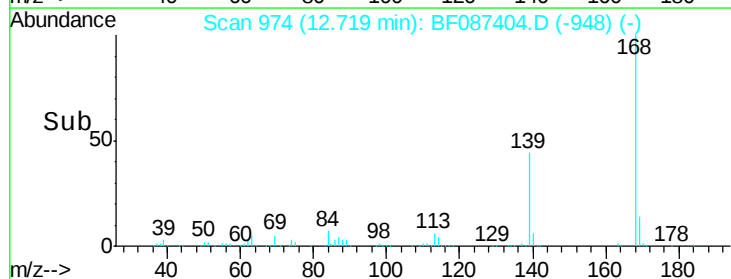
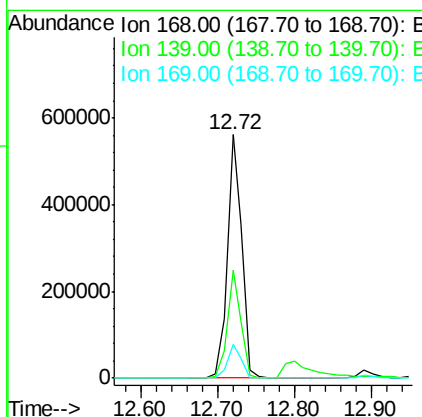
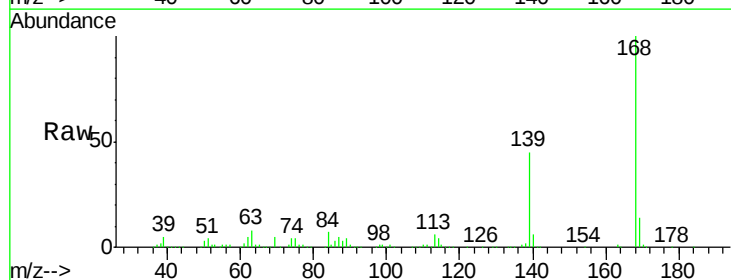
Instrument :
BNA_F
ClientSampleId :

Tot Ion:184 Resp: 17998
Ion Ratio Lower Upper
184 100
63 113.4 55.8 83.8#
154 80.1 62.4 93.6



#54
Dibenzofuran
Concen: 55.38 ng
RT: 12.72 min Scan# 974
Delta R.T. 0.00 min
Lab File: BF087404.D
Acq: 26 May 2016 9:52

Tgt Ion:168 Resp: 748833
Ion Ratio Lower Upper
168 100
139 44.5 31.4 47.0
169 13.6 10.7 16.1





#55

4-Nitrophenol

Concen: 94.16 ng

RT: 12.80 min Scan# 981

Delta R.T. 0.02 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

Instrument :

BNA_F

ClientSampled :

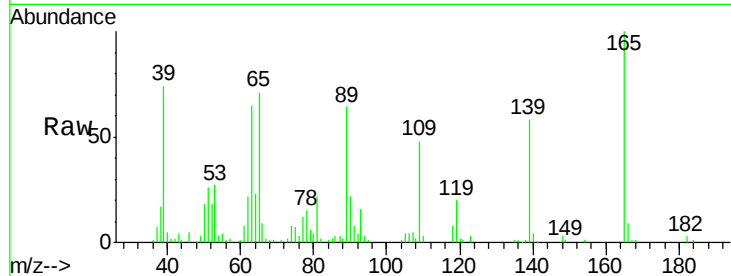
Tot Ion:139 Resp: 118554

Ion Ratio Lower Upper

139 100

109 83.0 36.9 76.9#

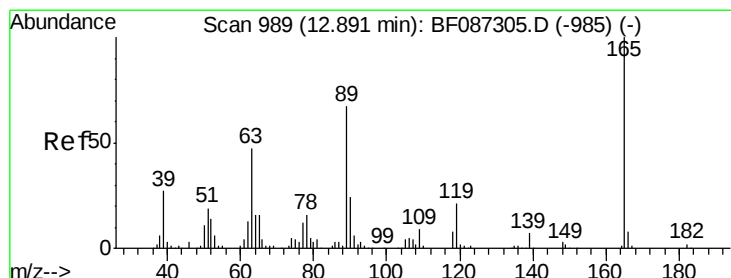
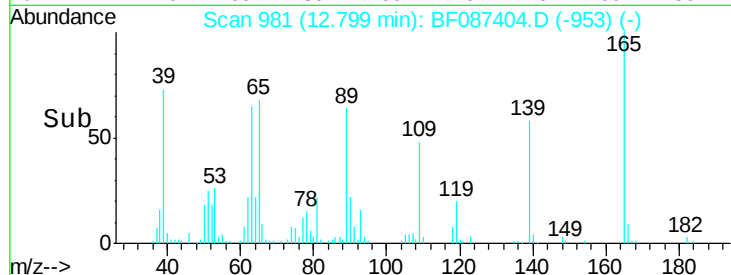
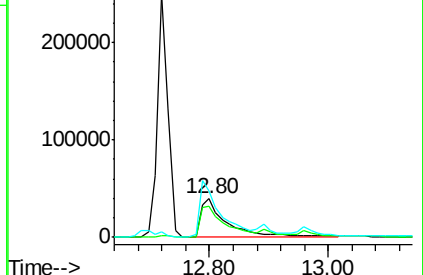
65 121.6 64.0 104.0#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 48.07 ng

RT: 12.79 min Scan# 980

Delta R.T. 0.00 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

Tgt Ion:165 Resp: 165249

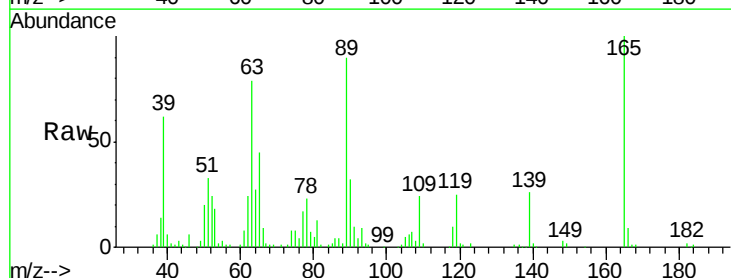
Ion Ratio Lower Upper

165 100

63 78.9 44.3 66.5#

89 90.4 70.0 105.0

182 2.3 1.8 2.6

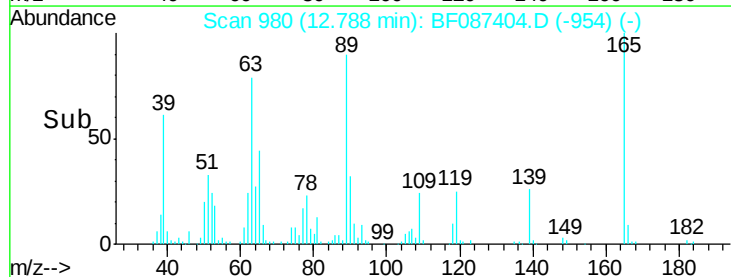
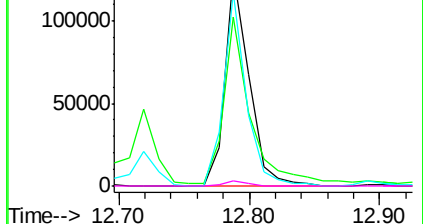


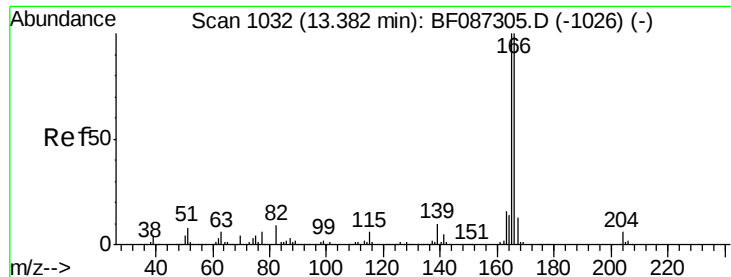
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

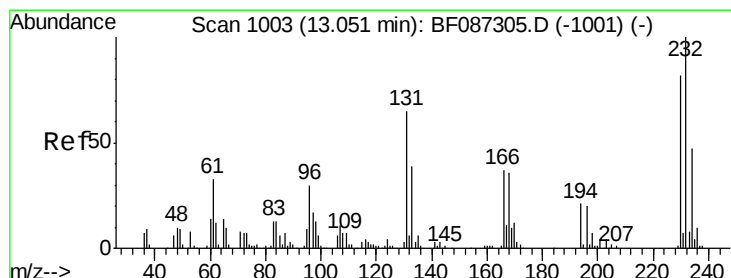
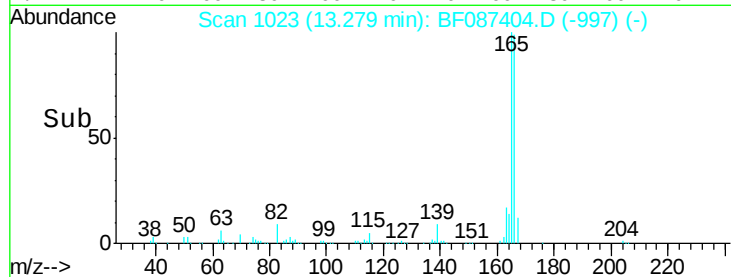
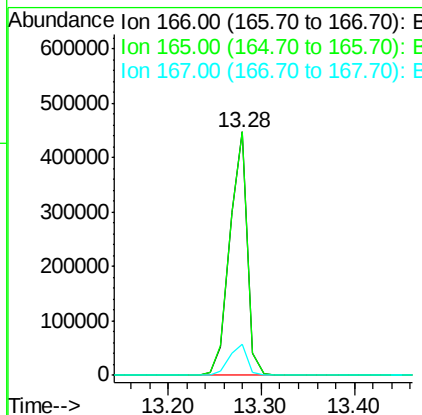
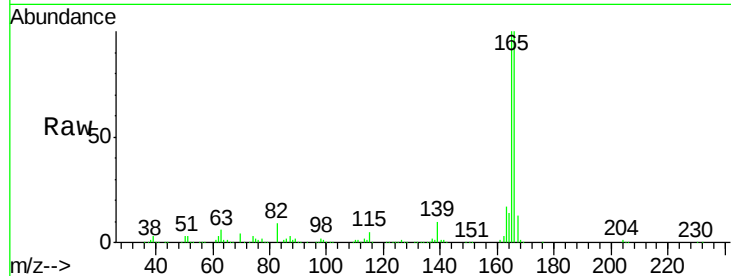




#57
 Fluorene
 Concen: 49.84 ng
 RT: 13.28 min Scan# 1023
 Delta R.T. 0.00 min
 Lab File: BF087404.D
 Acq: 26 May 2016 9:52

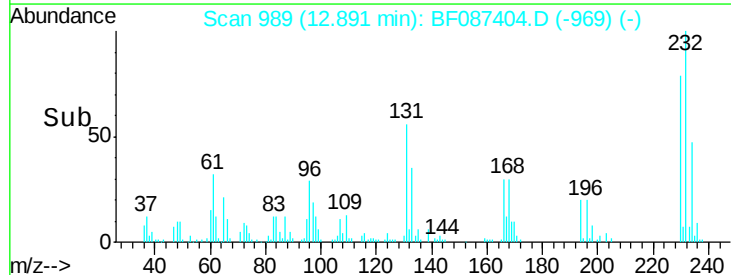
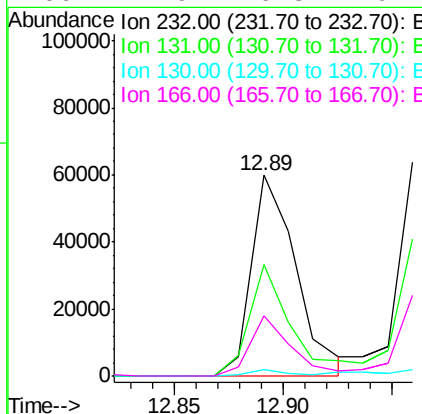
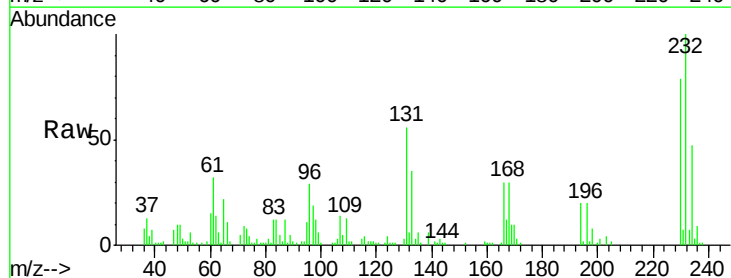
Instrument :
 BNA_F
 ClientSampleId :

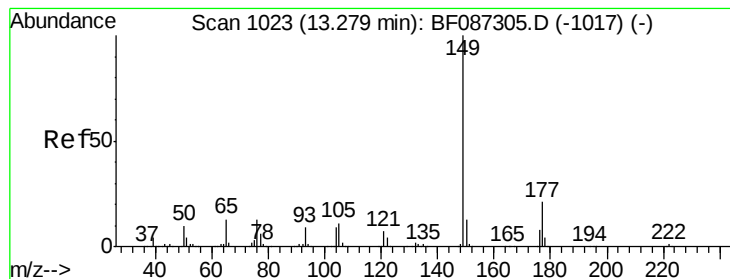
Tot Ion:166 Resp: 584379
 Ion Ratio Lower Upper
 166 100
 165 100.1 79.0 118.6
 167 12.8 10.6 15.8



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 37.30 ng
 RT: 12.89 min Scan# 989
 Delta R.T. -0.07 min
 Lab File: BF087404.D
 Acq: 26 May 2016 9:52

Tgt Ion:232 Resp: 86016
 Ion Ratio Lower Upper
 232 100
 131 54.9 41.9 62.9
 130 3.0 2.2 3.4
 166 27.9 26.8 40.2





#59

Diethylphthalate

Concen: 53.04 ng

RT: 13.19 min Scan# 1015

Delta R.T. 0.00 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

Instrument :

BNA_F

ClientSampleId :

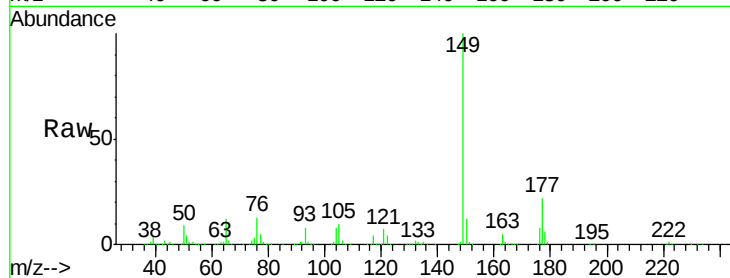
Tot Ion:149 Resp: 658238

Ion Ratio Lower Upper

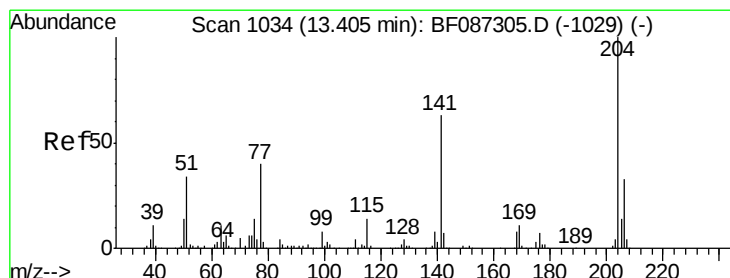
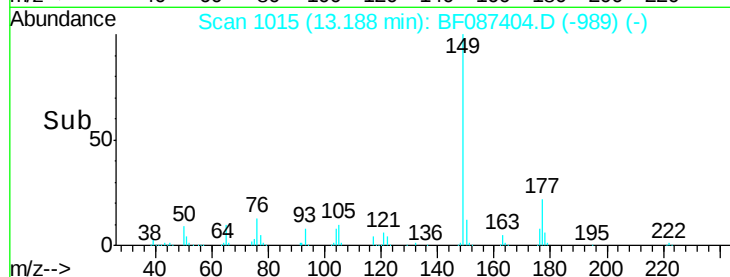
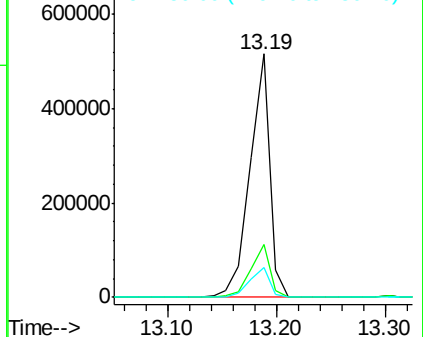
149 100

177 21.9 16.6 24.8

150 12.4 10.0 15.0



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: 48.16 ng

RT: 13.30 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

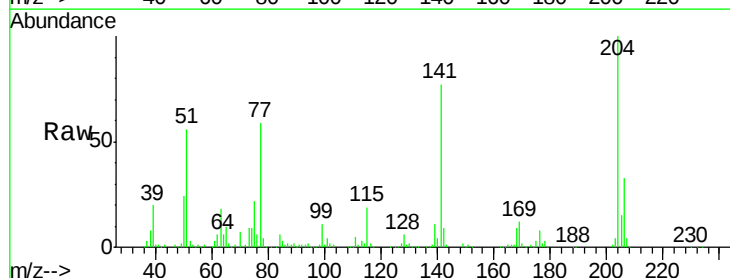
Tgt Ion:204 Resp: 275375

Ion Ratio Lower Upper

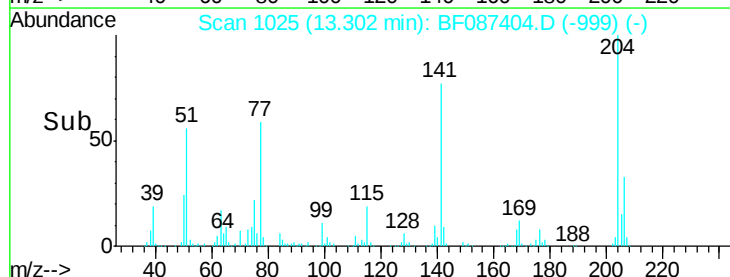
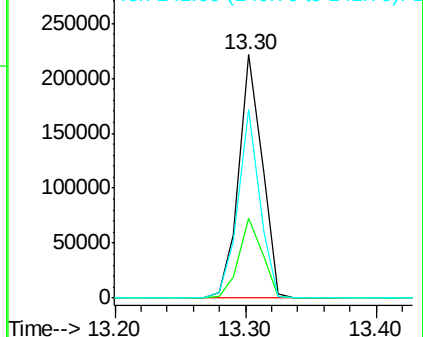
204 100

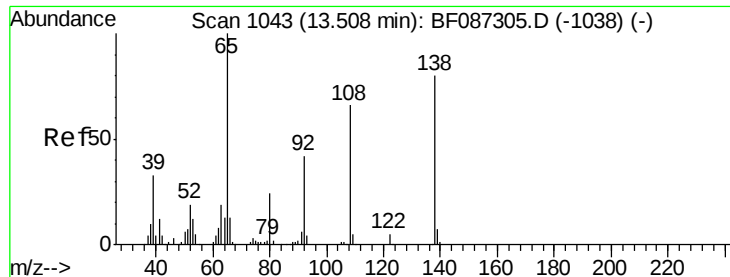
206 32.5 25.4 38.0

141 77.3 61.6 92.4



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

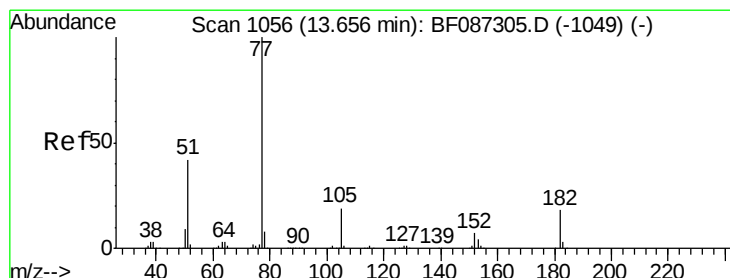
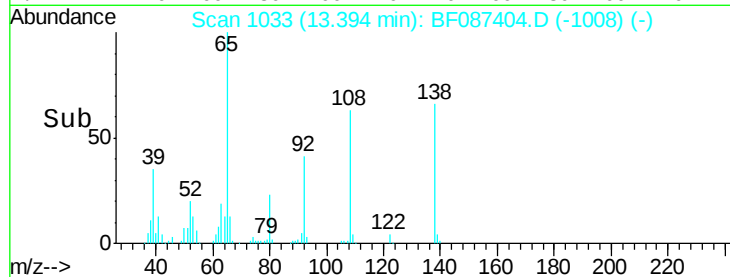
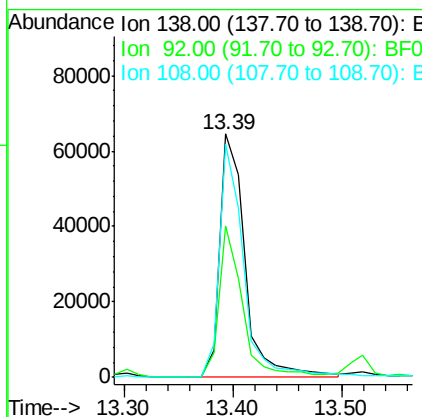
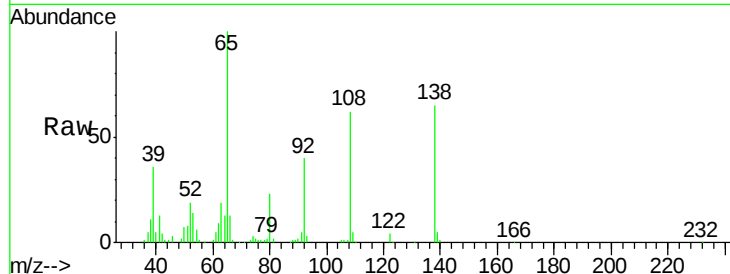




#61
 4-Nitroaniline
 Concen: 42.44 ng
 RT: 13.39 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BF087404.D
 Acq: 26 May 2016 9:52

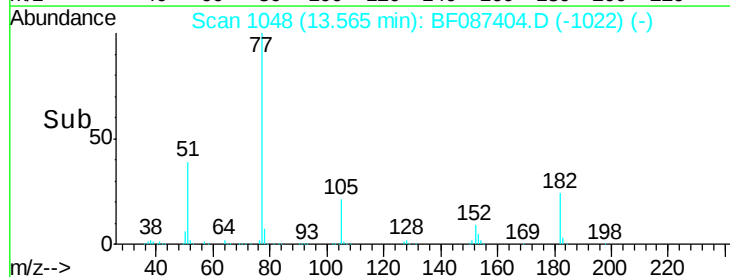
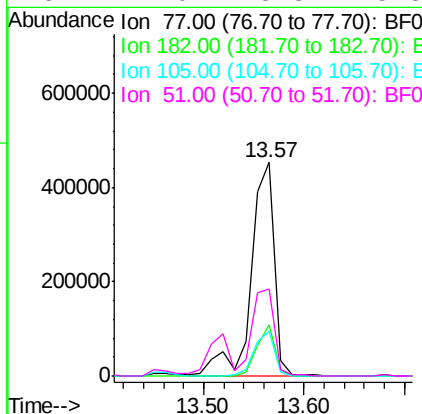
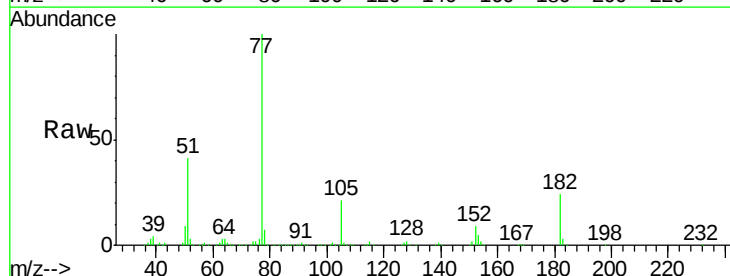
Instrument :
 BNA_F
 ClientSampleId :

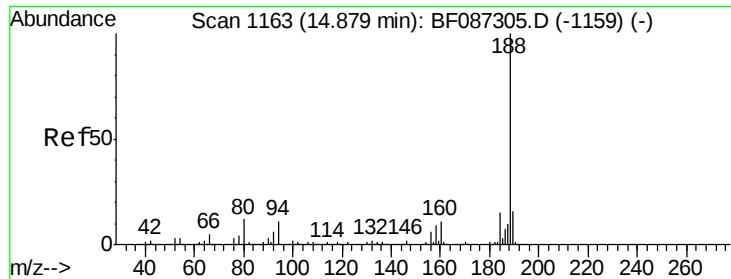
Tot Ion:138 Resp: 104560
 Ion Ratio Lower Upper
 138 100
 92 62.0 24.7 64.7
 108 95.8 37.4 77.4#



#62
 Azobenzene
 Concen: 56.41 ng
 RT: 13.57 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: BF087404.D
 Acq: 26 May 2016 9:52

Tgt Ion: 77 Resp: 726266
 Ion Ratio Lower Upper
 77 100
 182 24.1 0.0 38.8
 105 20.8 3.2 43.2
 51 41.0 8.8 48.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.78 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

Instrument :

BNA_F

ClientSampleId :

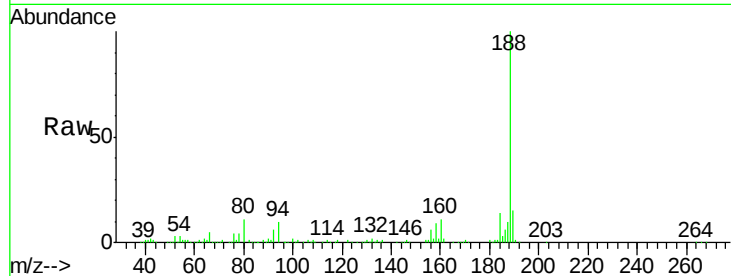
Tot Ion:188 Resp: 259915

Ion Ratio Lower Upper

188 100

94 10.1 6.8 10.2

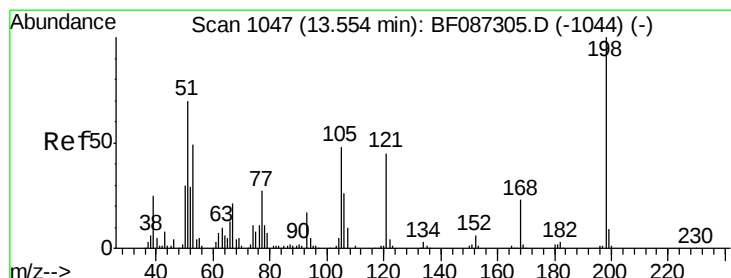
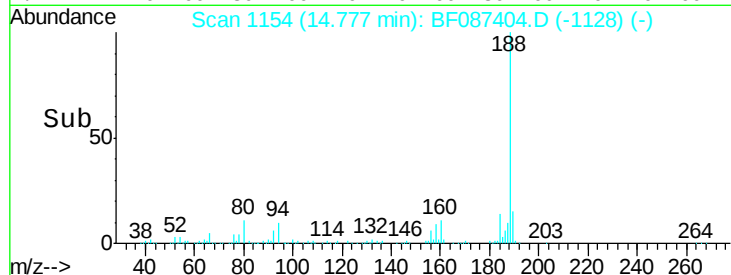
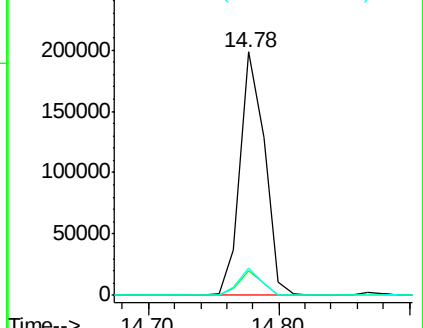
80 11.0 7.1 10.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 16.75 ng

RT: 13.46 min Scan# 1039

Delta R.T. 0.01 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

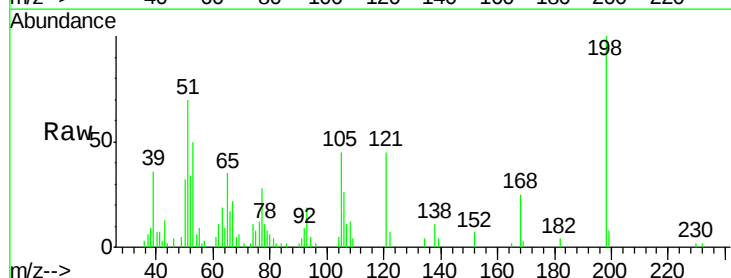
Tgt Ion:198 Resp: 27681

Ion Ratio Lower Upper

198 100

51 70.1 20.5 60.5#

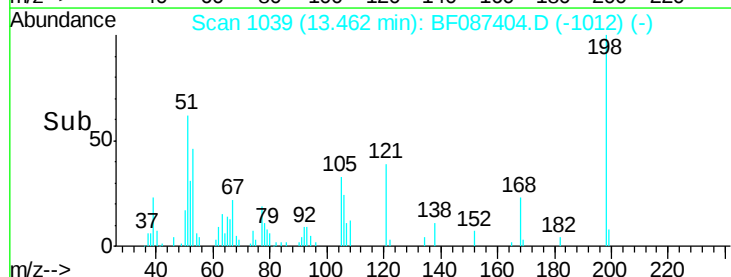
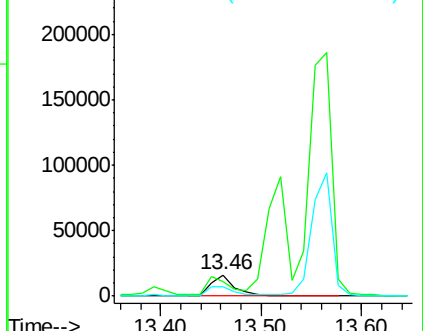
105 45.2 24.5 64.5

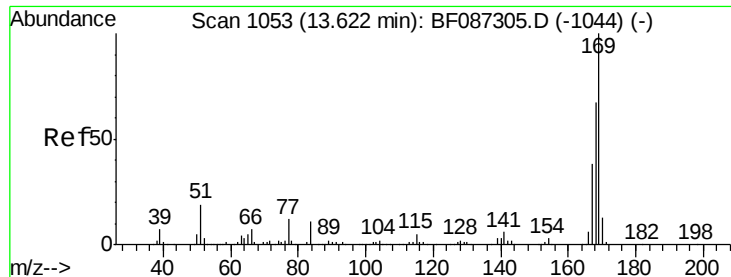


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 58.24 ng

RT: 13.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

Instrument :

BNA_F

ClientSampleId :

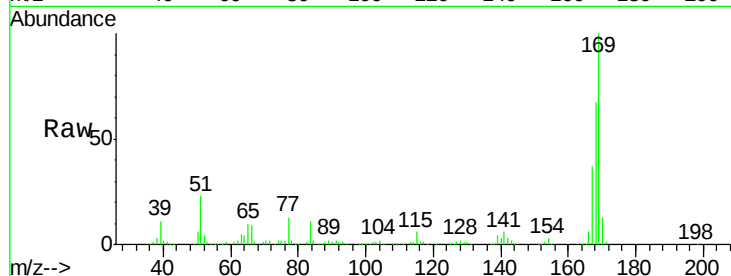
Tot Ion:169 Resp: 489529

Ion Ratio Lower Upper

169 100

168 67.3 53.8 80.6

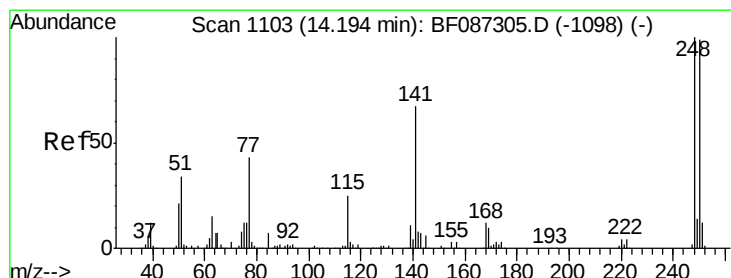
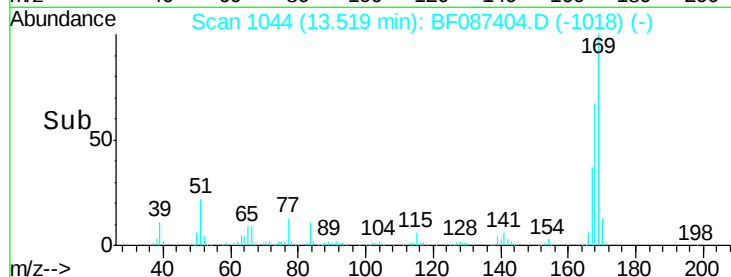
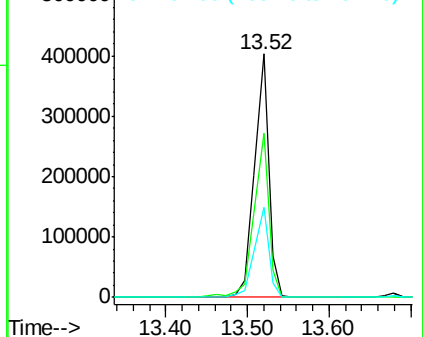
167 37.1 29.5 44.3



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: 54.10 ng

RT: 14.09 min Scan# 1094

Delta R.T. 0.00 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

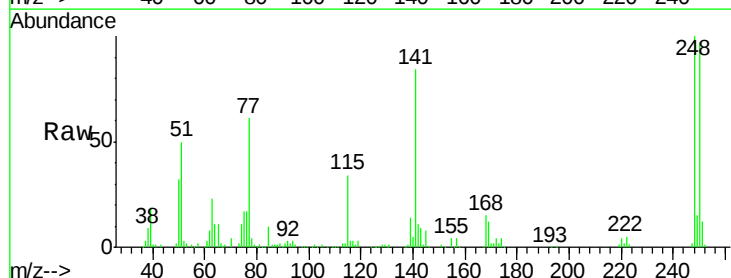
Tgt Ion:248 Resp: 153843

Ion Ratio Lower Upper

248 100

250 97.3 78.6 117.8

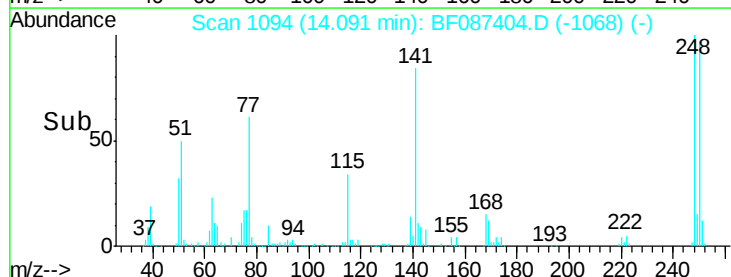
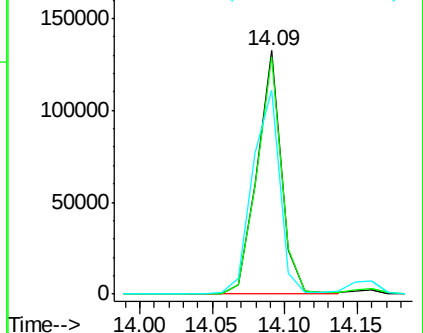
141 84.0 76.0 114.0

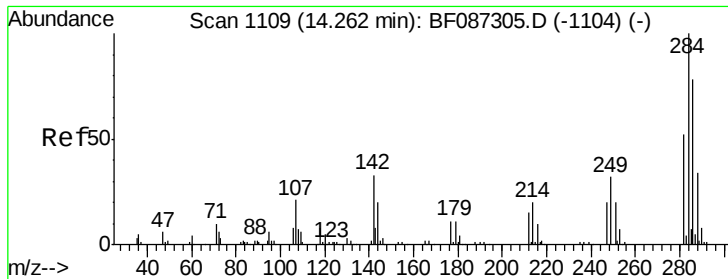


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

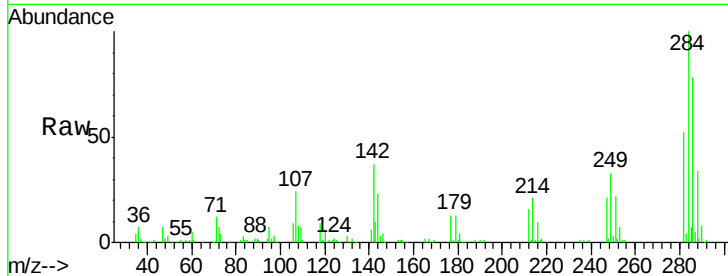




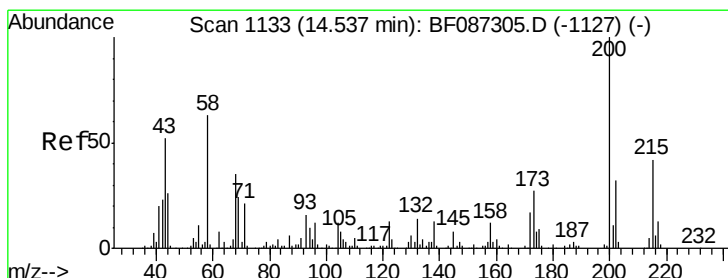
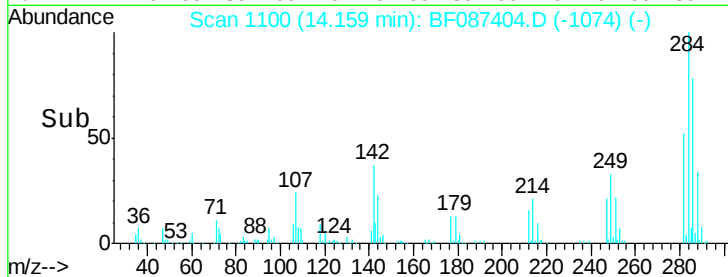
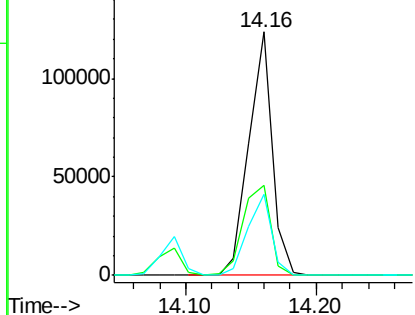
#67
Hexachlorobenzene
Concen: 51.93 ng
RT: 14.16 min Scan# 1100
Delta R.T. 0.00 min
Lab File: BF087404.D
Acq: 26 May 2016 9:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:284 Resp: 154448
Ion Ratio Lower Upper
284 100
142 37.2 16.7 25.1#
249 33.4 21.3 31.9#

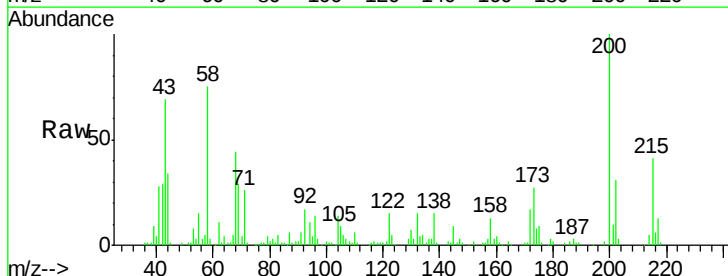


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

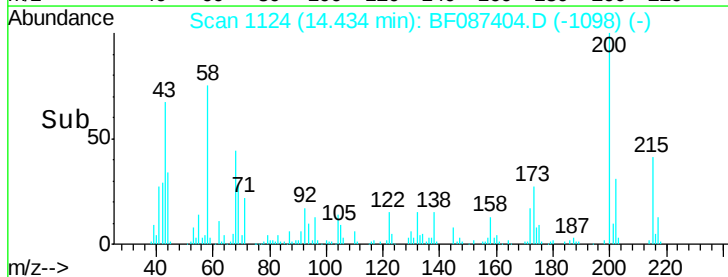
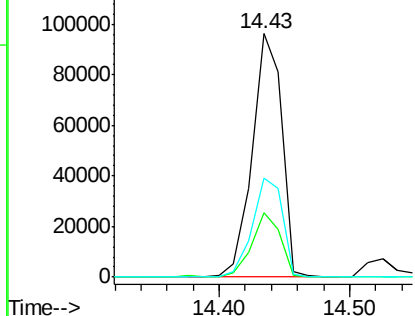


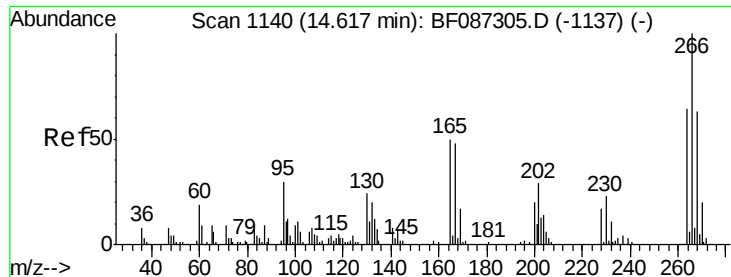
#68
Atrazine
Concen: 56.66 ng
RT: 14.43 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BF087404.D
Acq: 26 May 2016 9:52

Tgt Ion:200 Resp: 151824
Ion Ratio Lower Upper
200 100
173 26.7 8.5 48.5
215 40.7 27.2 67.2



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

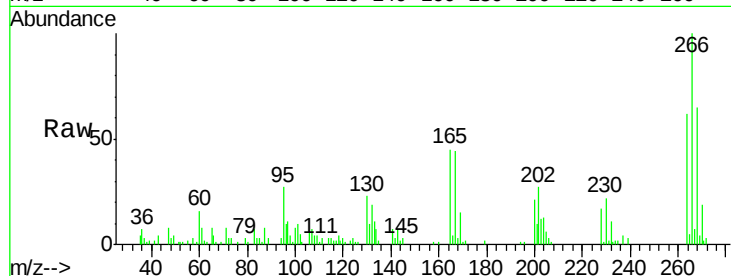




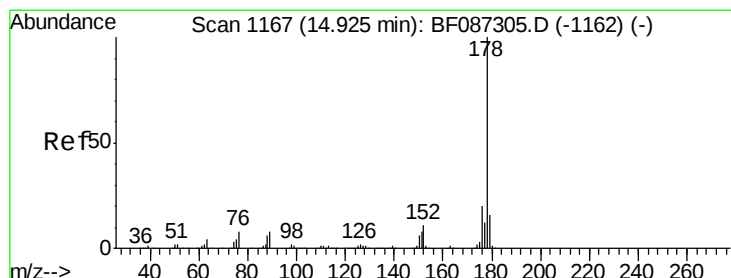
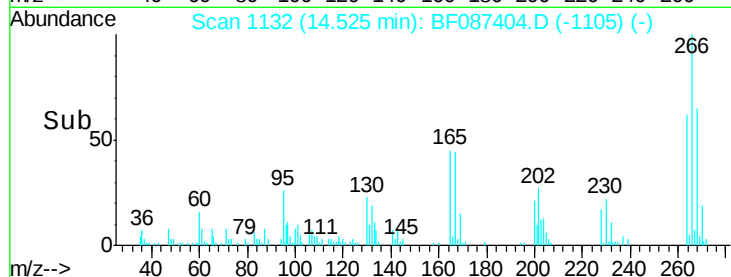
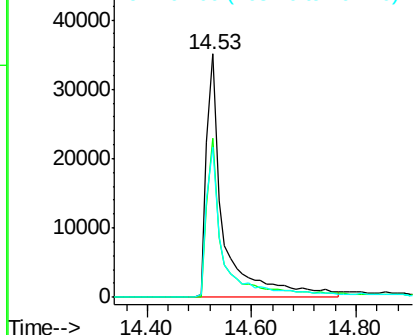
#69
 Pentachlorophenol
 Concen: 86.30 ng
 RT: 14.53 min Scan# 1132
 Delta R.T. 0.01 min
 Lab File: BF087404.D
 Acq: 26 May 2016 9:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:266 Resp: 80248
 Ion Ratio Lower Upper
 266 100
 268 65.1 51.5 77.3
 264 61.6 52.9 79.3

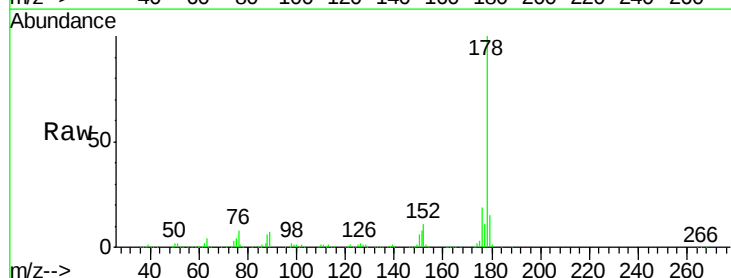


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

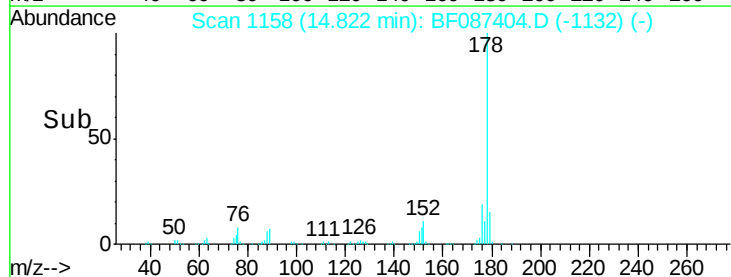
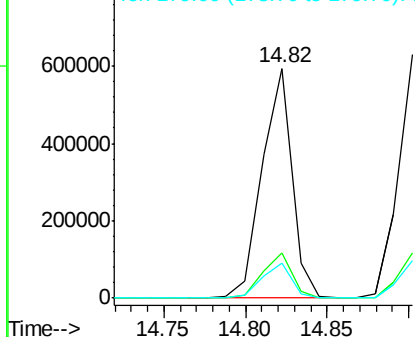


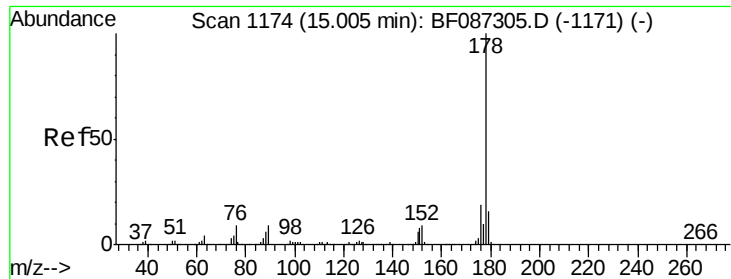
#70
 Phenanthrene
 Concen: 53.05 ng
 RT: 14.82 min Scan# 1158
 Delta R.T. 0.00 min
 Lab File: BF087404.D
 Acq: 26 May 2016 9:52

Tgt Ion:178 Resp: 763737
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.0 24.0
 179 15.5 12.6 18.8



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

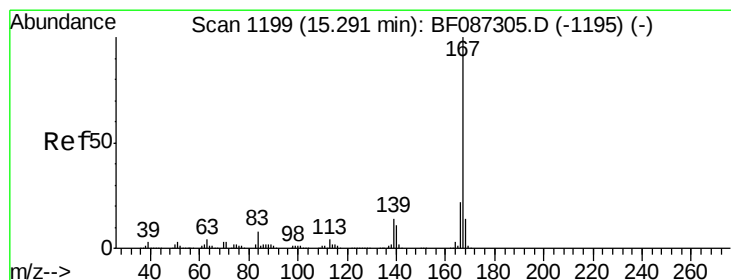
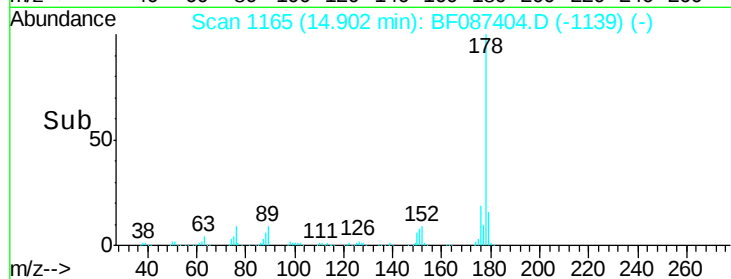
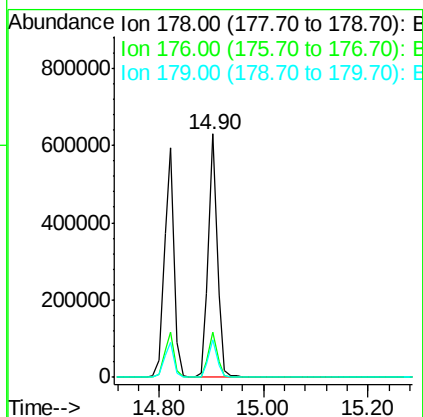
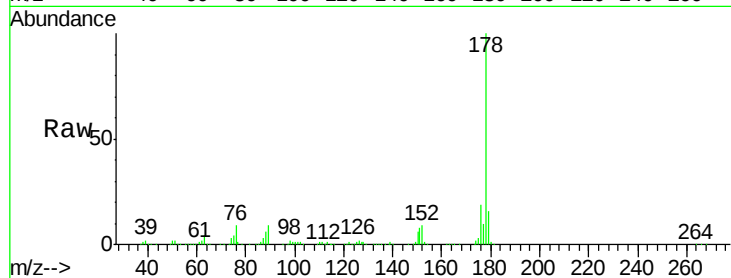




#71
 Anthracene
 Concen: 52.40 ng
 RT: 14.90 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: BF087404.D
 Acq: 26 May 2016 9:52

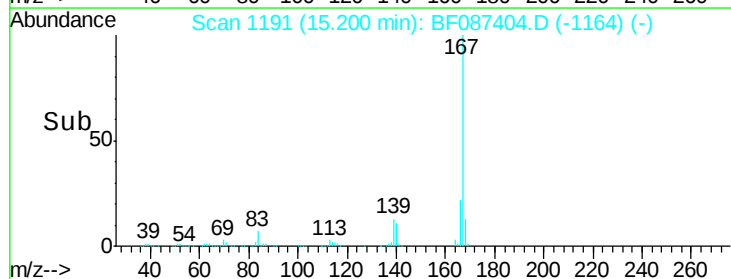
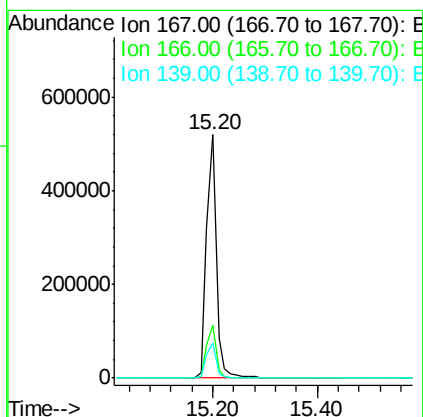
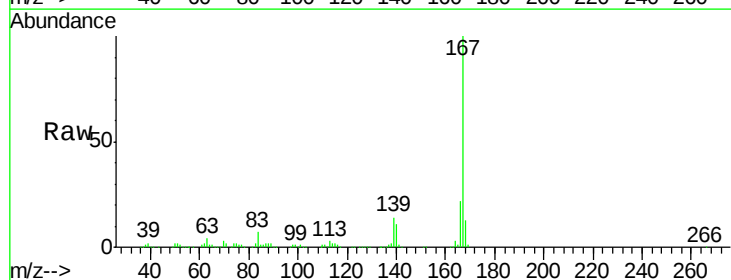
Instrument :
 BNA_F
 ClientSampleId :

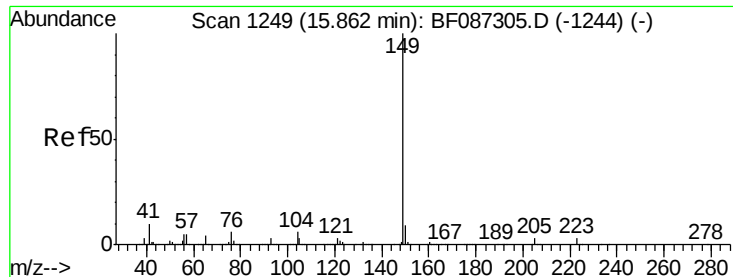
Tot Ion:178 Resp: 762084
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.6 23.4
 179 15.6 12.7 19.1



#72
 Carbazole
 Concen: 54.83 ng
 RT: 15.20 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: BF087404.D
 Acq: 26 May 2016 9:52

Tgt Ion:167 Resp: 680174
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.7 26.5
 139 14.1 10.8 16.2





#73

Di-n-butylphthalate

Concen: 53.71 ng

RT: 15.77 min Scan# 1241

Delta R.T. 0.00 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

Instrument :

BNA_F

ClientSampled :

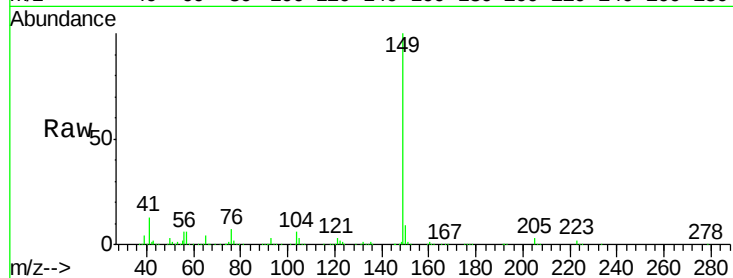
Tot Ion:149 Resp: 861614

Ion Ratio Lower Upper

149 100

150 9.3 7.6 11.4

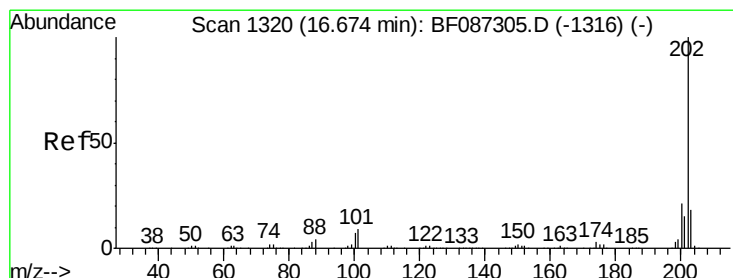
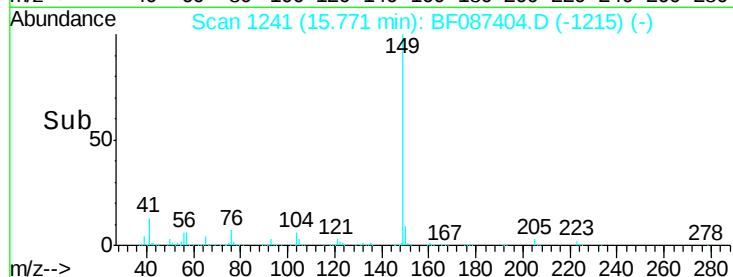
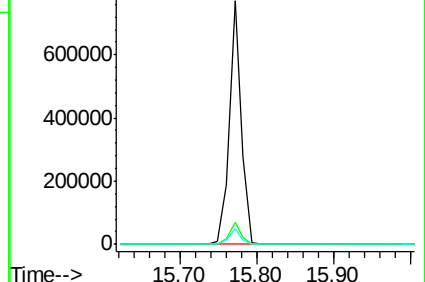
104 6.4 3.8 5.6#



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: 51.59 ng

RT: 16.58 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

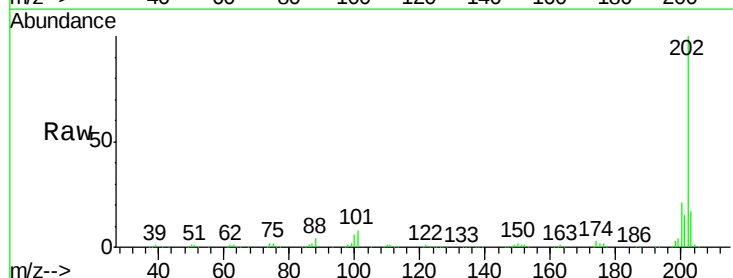
Tgt Ion:202 Resp: 744763

Ion Ratio Lower Upper

202 100

101 8.2 0.0 35.4

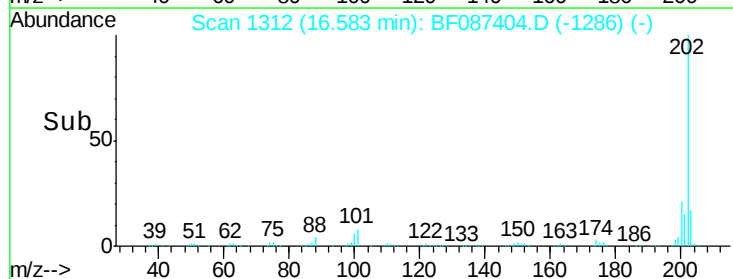
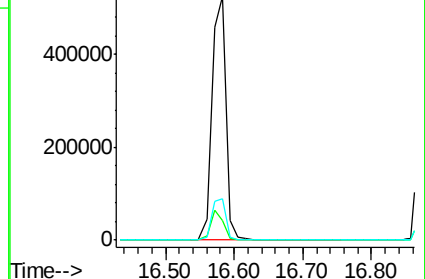
203 17.1 0.0 38.1



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

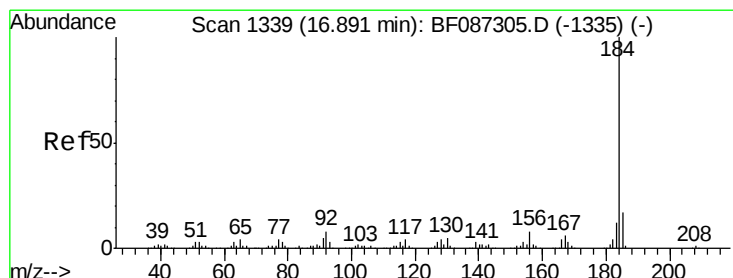
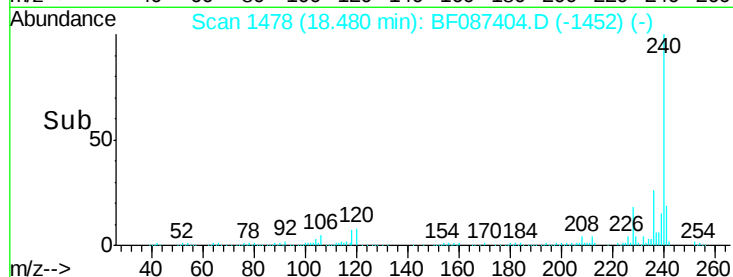
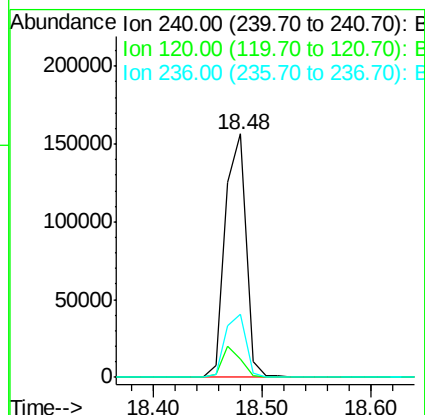
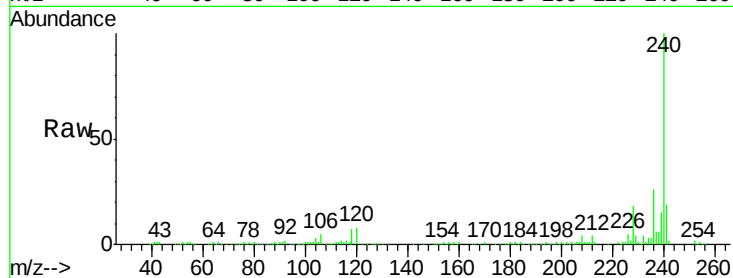




#75
 Chrvsene-d12
 Concen: 20.00 ng
 RT: 18.48 min Scan# 1478
 Delta R.T. 0.00 min
 Lab File: BF087404.D
 Acq: 26 May 2016 9:52

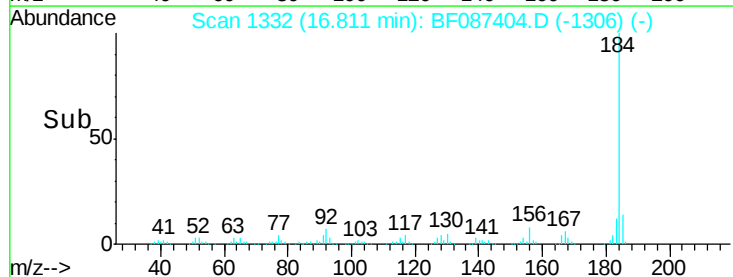
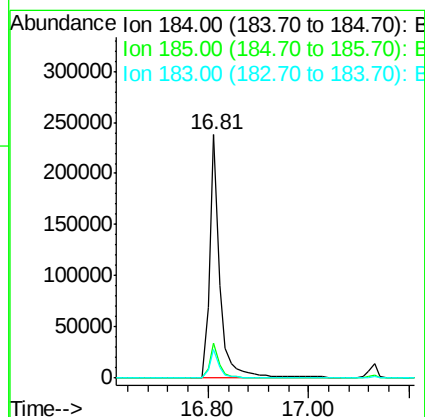
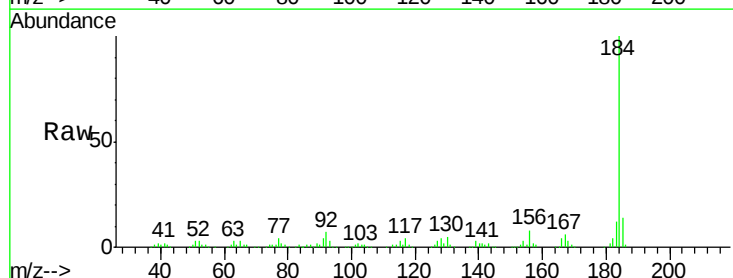
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 208369
 Ion Ratio Lower Upper
 240 100
 120 7.7 11.2 16.8#
 236 25.8 21.2 31.8



#76
 Benzidine
 Concen: 62.62 ng
 RT: 16.81 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: BF087404.D
 Acq: 26 May 2016 9:52

Tgt Ion:184 Resp: 335731
 Ion Ratio Lower Upper
 184 100
 185 14.3 13.6 20.4
 183 11.7 9.8 14.6

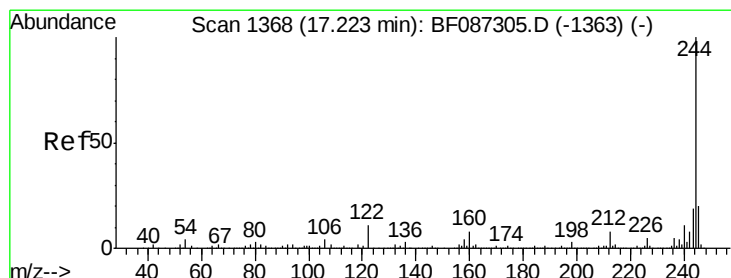
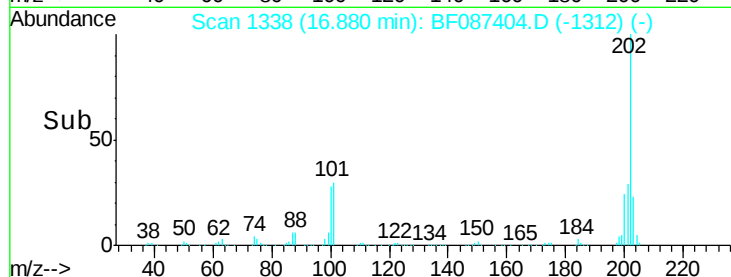
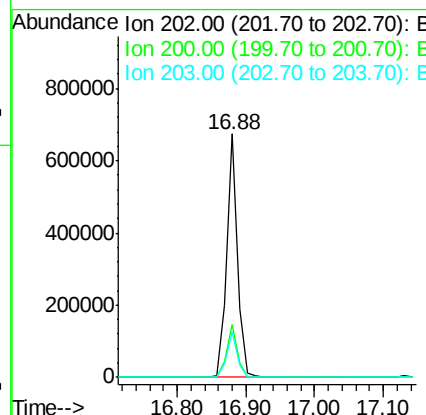
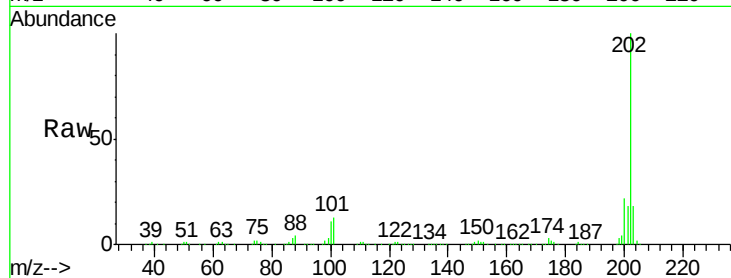




#77
Pvrene
Concen: 49.82 ng
RT: 16.88 min Scan# 1338
Delta R.T. 0.00 min
Lab File: BF087404.D
Acq: 26 May 2016 9:52

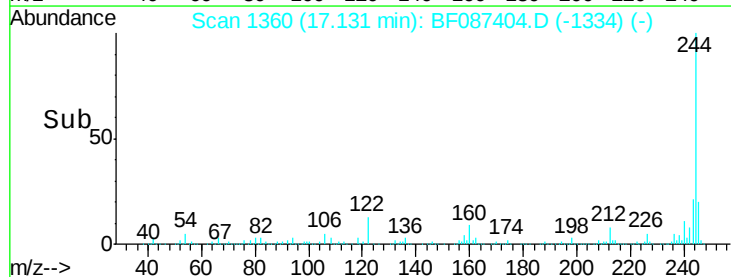
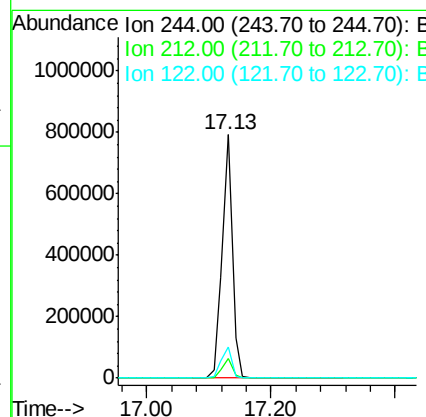
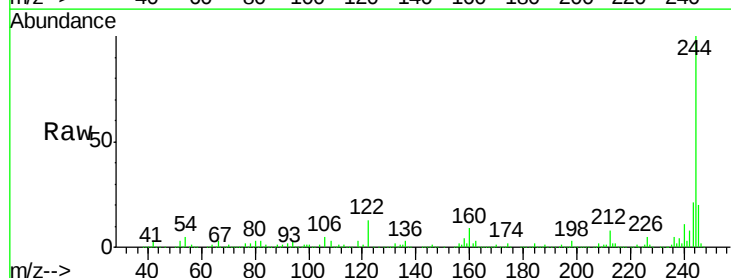
Instrument :
BNA_F
ClientSampleId :

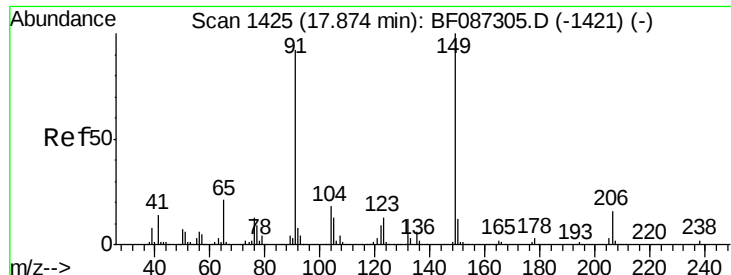
Tot Ion:202 Resp: 747168
Ion Ratio Lower Upper
202 100
200 21.7 17.7 26.5
203 18.3 14.2 21.4



#78
Terphenyl-d14
Concen: 90.32 ng
RT: 17.13 min Scan# 1360
Delta R.T. 0.00 min
Lab File: BF087404.D
Acq: 26 May 2016 9:52

Tgt Ion:244 Resp: 885231
Ion Ratio Lower Upper
244 100
212 8.1 6.2 9.2
122 12.5 12.0 18.0

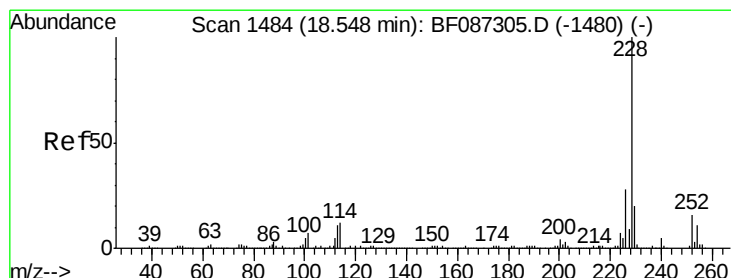
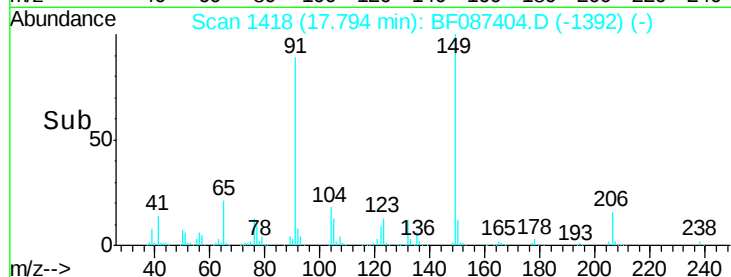
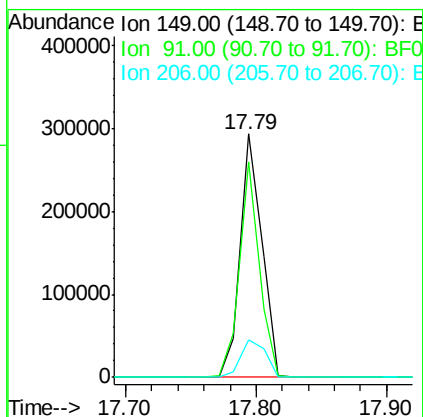
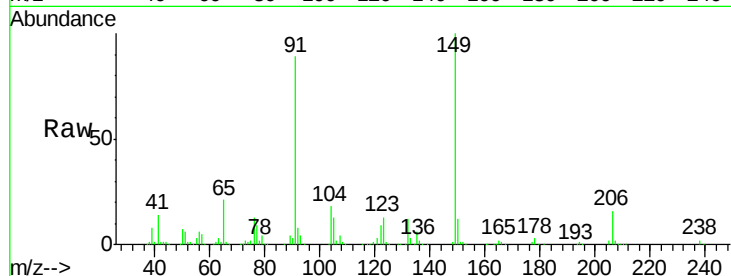




#79
Butylbenzylphthalate
Concen: 50.61 ng
RT: 17.79 min Scan# 1418
Delta R.T. 0.00 min
Lab File: BF087404.D
Acq: 26 May 2016 9:52

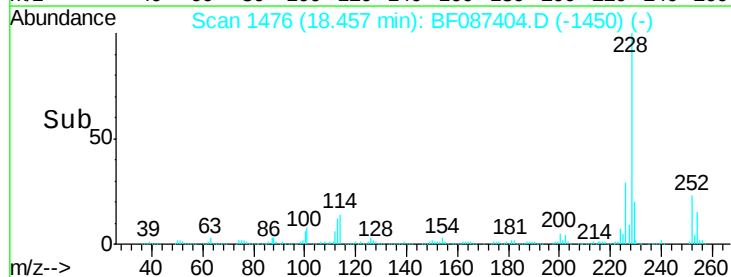
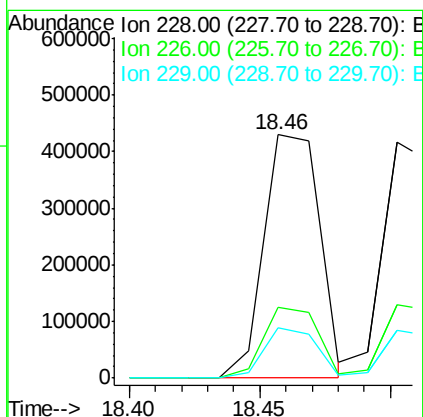
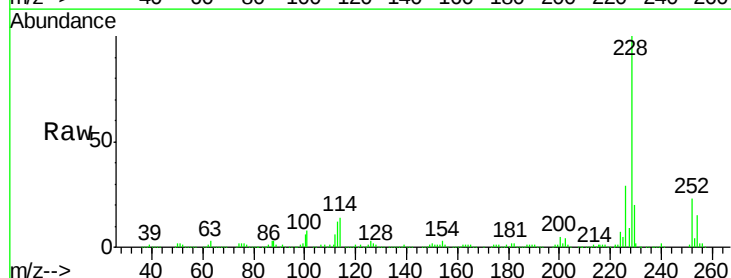
Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 336609
Ion Ratio Lower Upper
149 100
91 88.6 48.0 72.0#
206 15.6 15.8 23.6#



#80
Benzo(a)anthracene
Concen: 53.52 ng
RT: 18.46 min Scan# 1476
Delta R.T. 0.00 min
Lab File: BF087404.D
Acq: 26 May 2016 9:52

Tgt Ion:228 Resp: 634343
Ion Ratio Lower Upper
228 100
226 29.1 22.5 33.7
229 20.5 16.6 25.0

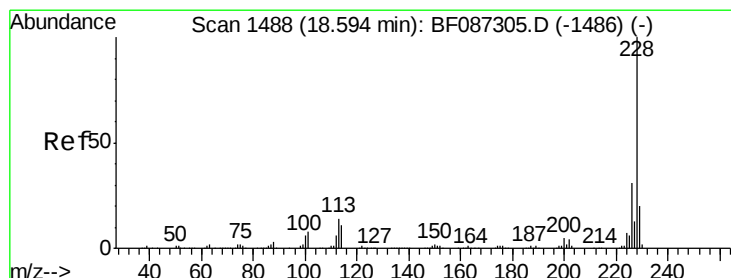
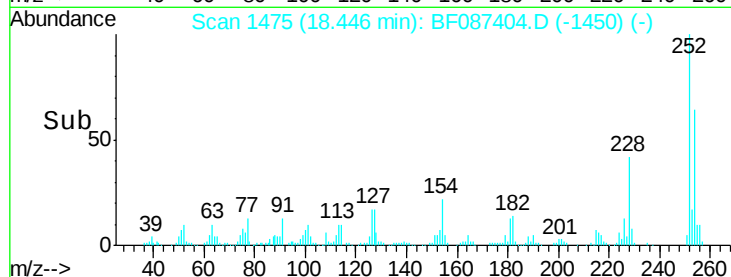
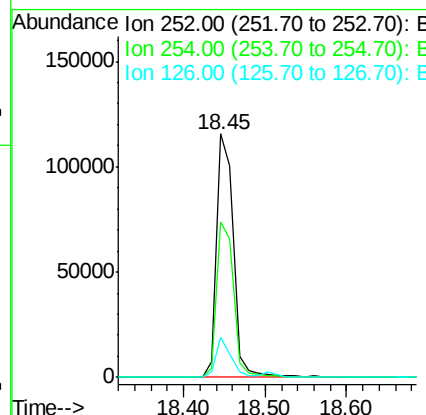
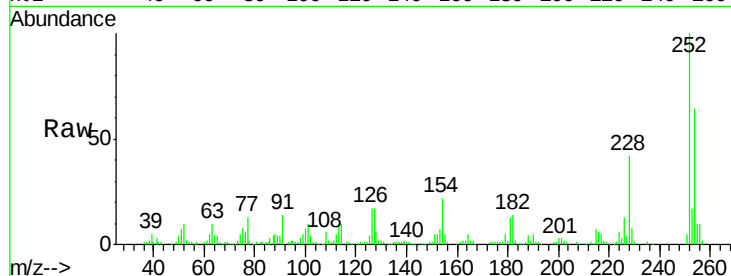




#81
 3,3'-Dichlorobenzidine
 Concen: 25.56 ng
 RT: 18.45 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: BF087404.D
 Acq: 26 May 2016 9:52

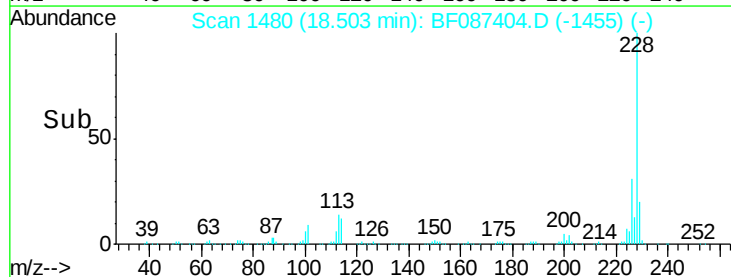
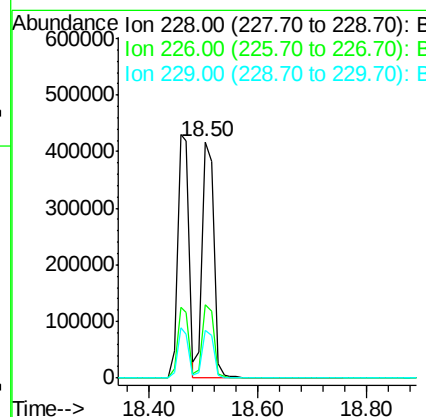
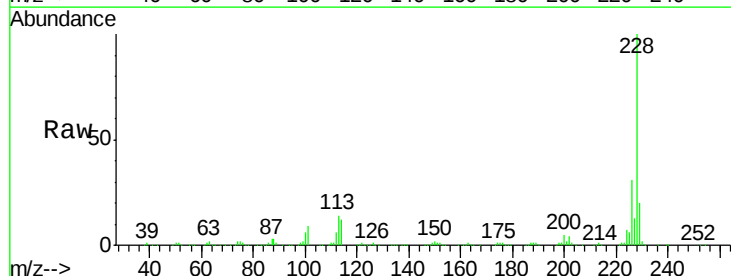
Instrument :
 BNA_F
 ClientSampleId :

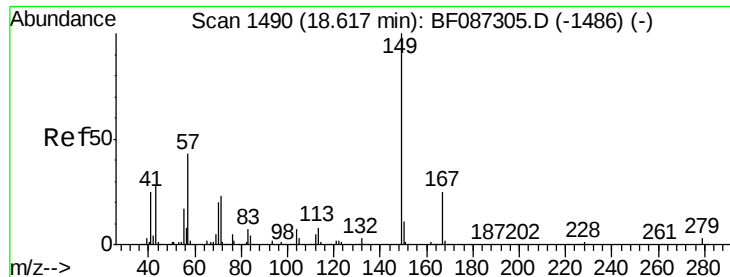
Tot Ion	Ratio	Lower	Upper
252	100		
254	64.0	50.7	76.1
126	16.6	12.7	19.1



#82
 Chrysene
 Concen: 52.17 ng
 RT: 18.50 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: BF087404.D
 Acq: 26 May 2016 9:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.4	36.6
229	20.0	15.8	23.8





#83

Bis(2-ethylhexyl)phthalate

Concen: 49.83 ng

RT: 18.54 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

Instrument :

BNA_F

ClientSampleId :

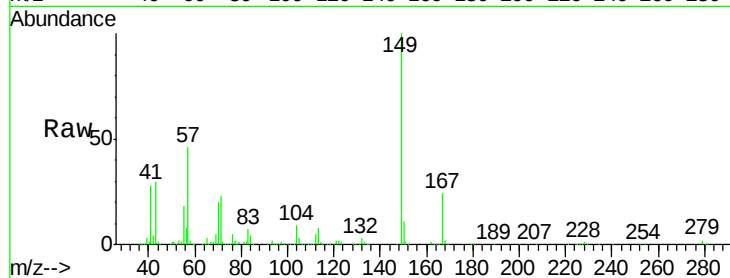
Tot Ion:149 Resp: 483641

Ion Ratio Lower Upper

149 100

167 23.8 21.8 32.6

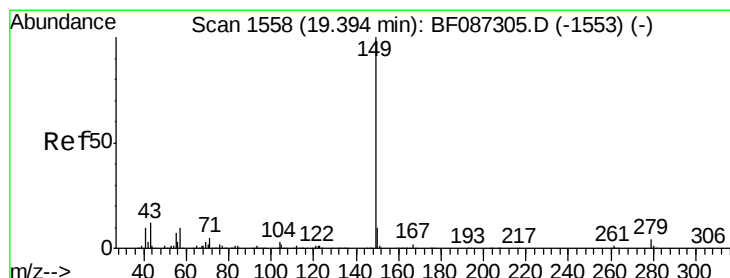
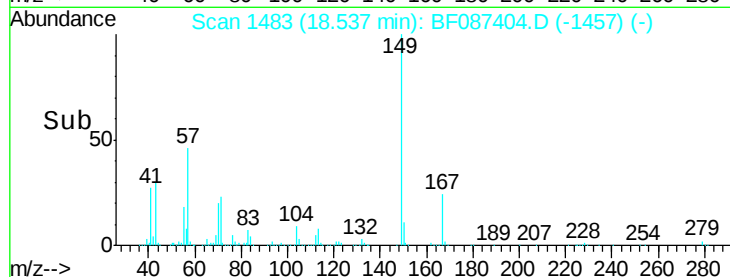
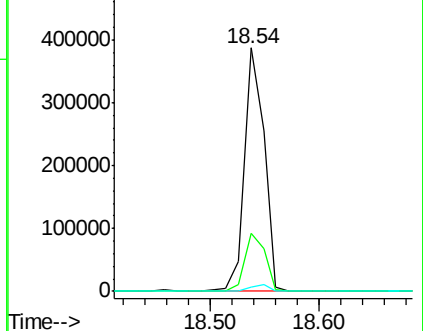
279 2.0 2.6 4.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 53.65 ng

RT: 19.31 min Scan# 1551

Delta R.T. 0.00 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

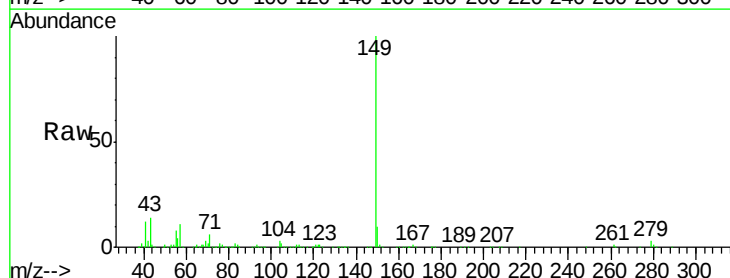
Tgt Ion:149 Resp: 794113

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

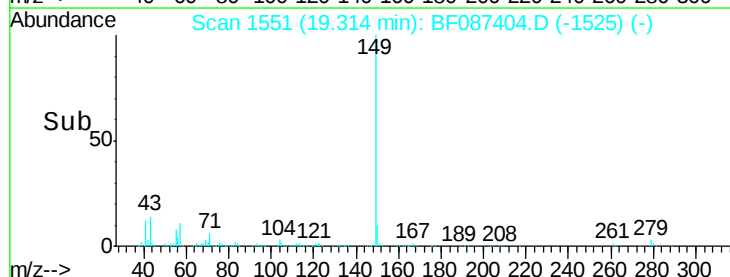
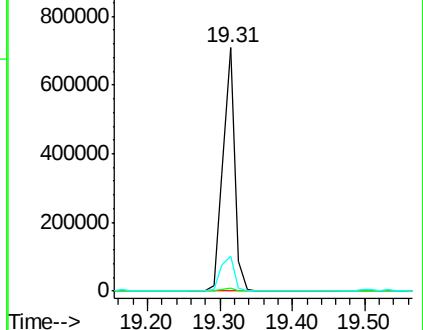
43 16.3 8.2 12.4#

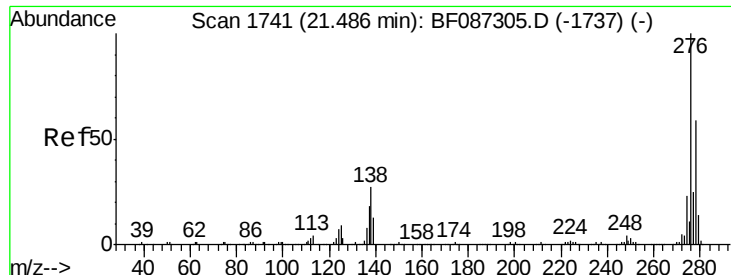


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

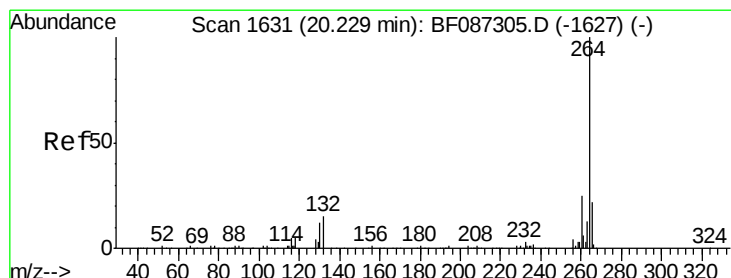
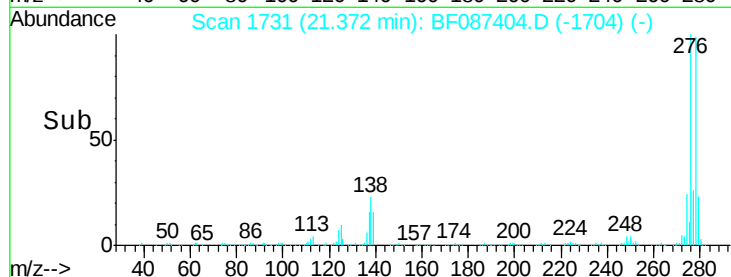
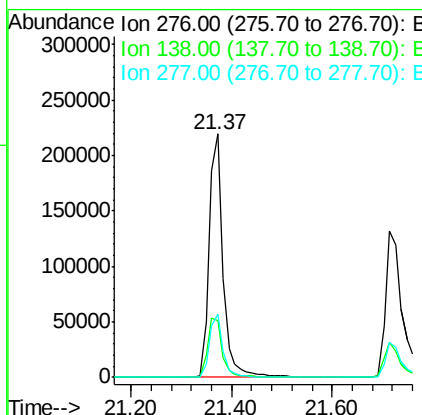
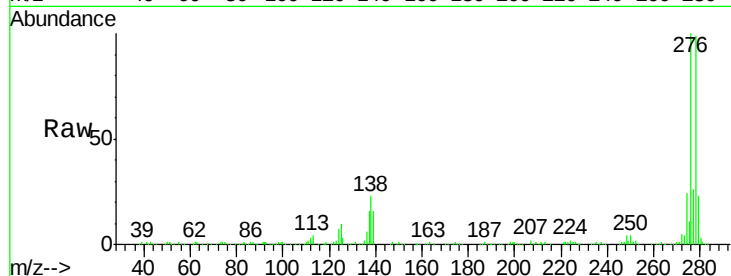




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 44.72 ng
 RT: 21.37 min Scan# 1731
 Delta R.T. 0.01 min
 Lab File: BF087404.D
 Acq: 26 May 2016 9:52

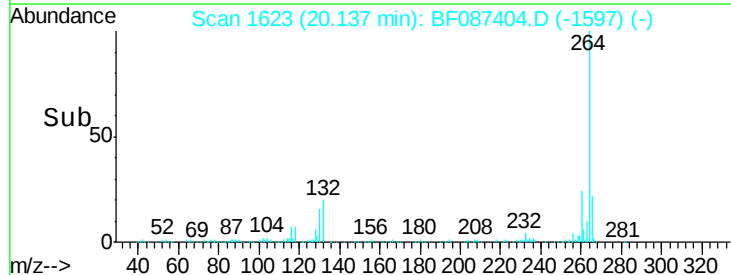
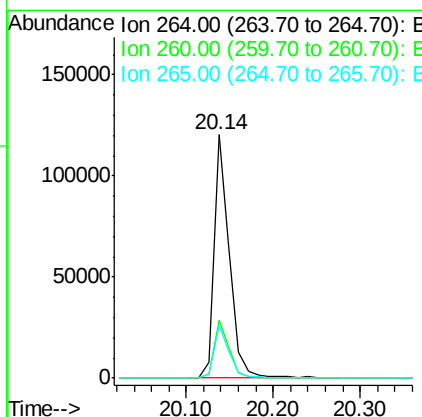
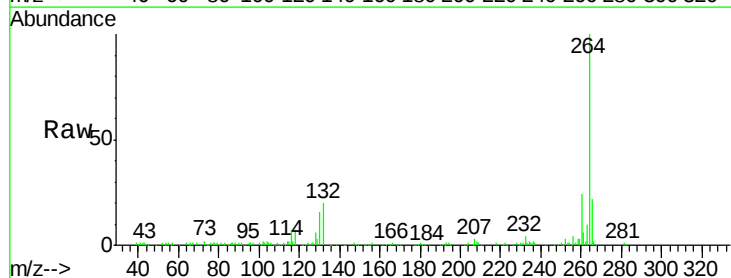
Instrument :
 BNA_F
 ClientSampled :

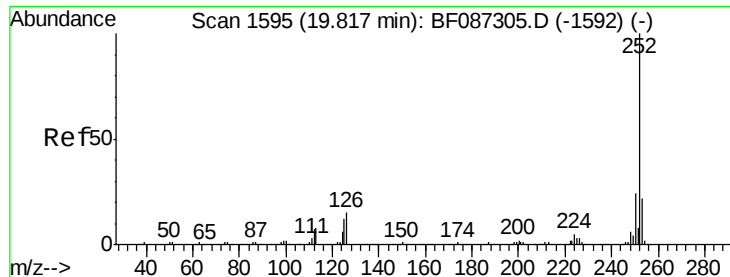
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.7	25.6	38.4
277	25.5	20.5	30.7



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.14 min Scan# 1623
 Delta R.T. 0.00 min
 Lab File: BF087404.D
 Acq: 26 May 2016 9:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	21.5	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 55.15 ng

RT: 19.74 min Scan# 1588

Delta R.T. 0.01 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

Instrument :

BNA_F

ClientSampleId :

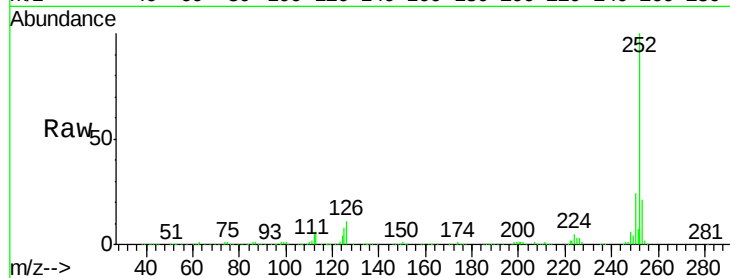
Tot Ion:252 Resp: 525651

Ion Ratio Lower Upper

252 100

253 21.3 17.8 26.6

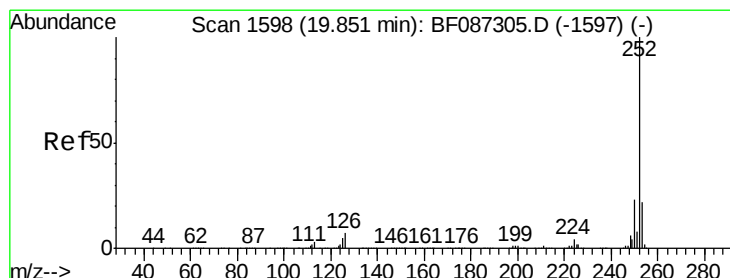
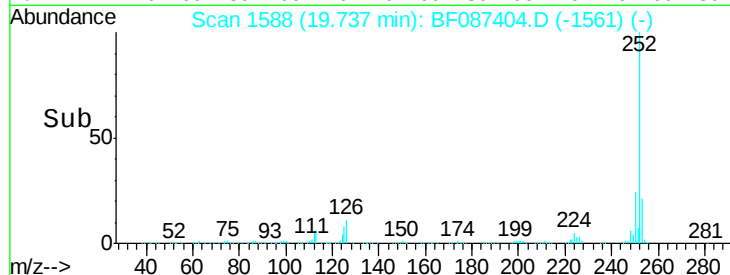
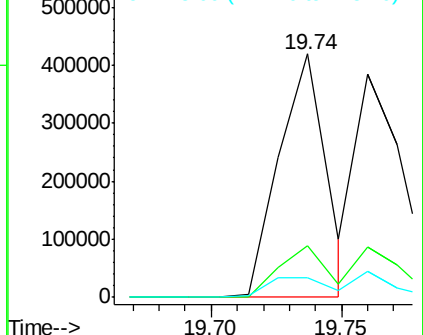
125 8.2 11.4 17.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 64.07 ng

RT: 19.74 min Scan# 1588

Delta R.T. -0.02 min

Lab File: BF087404.D

Acq: 26 May 2016 9:52

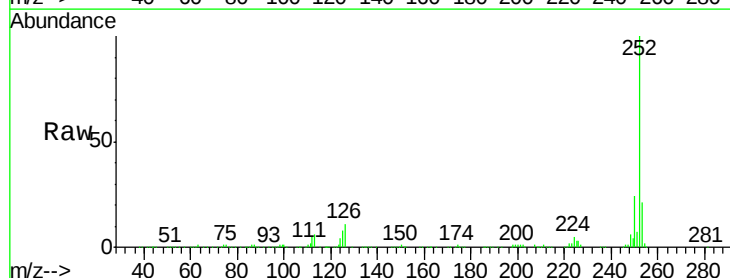
Tgt Ion:252 Resp: 525651

Ion Ratio Lower Upper

252 100

253 21.3 17.8 26.6

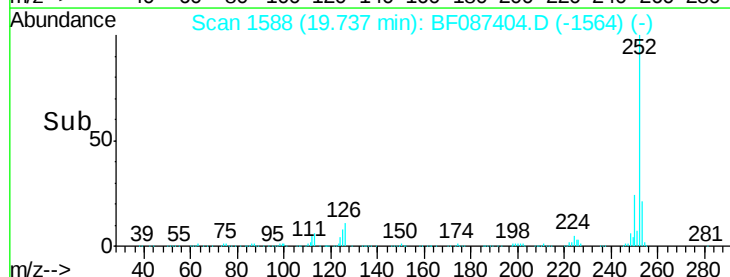
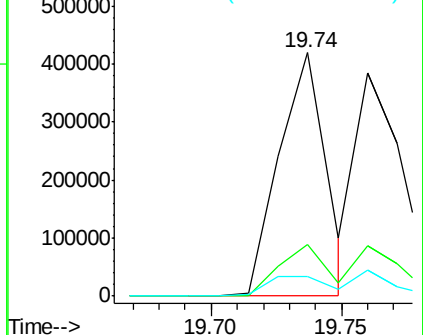
125 8.2 9.1 13.7#

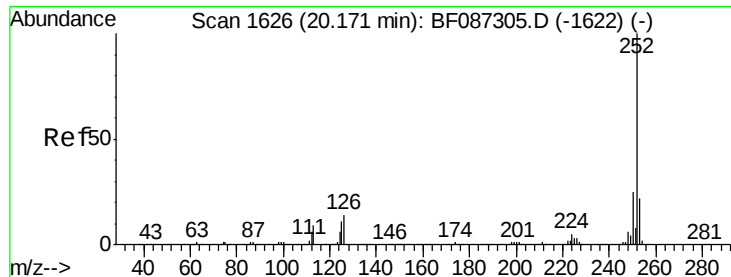


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

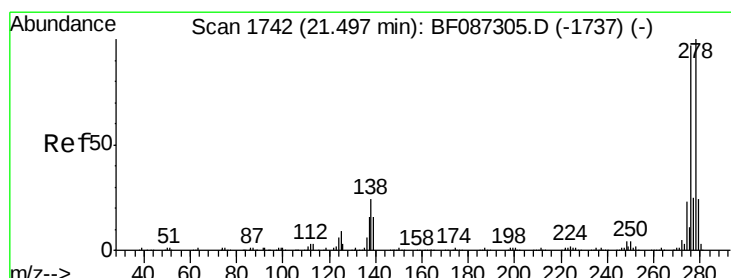
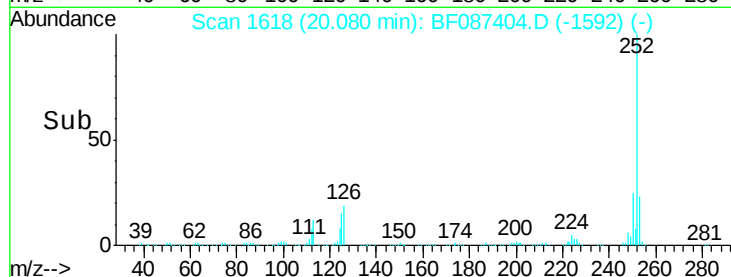
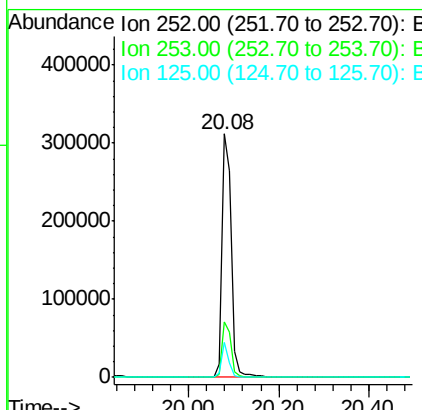
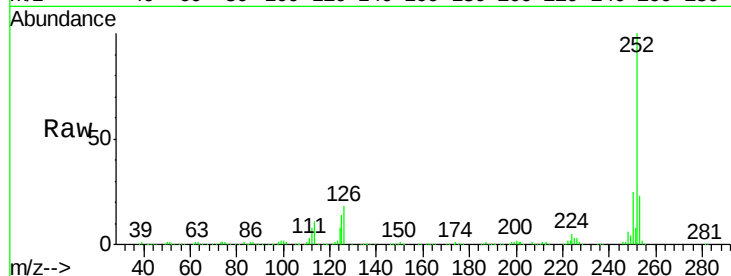




#89
Benzo(a)pyrene
Concen: 54.83 ng
RT: 20.08 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BF087404.D
Acq: 26 May 2016 9:52

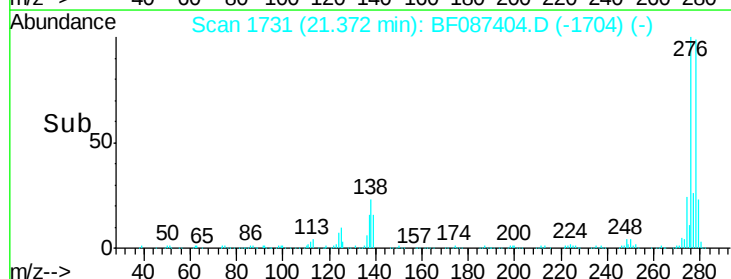
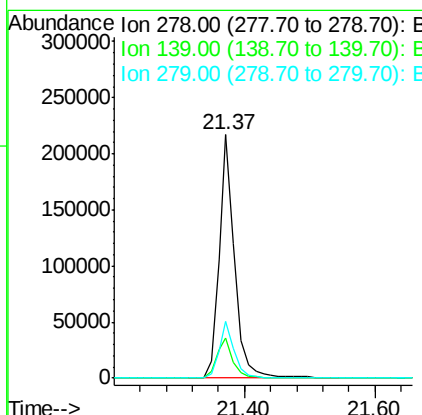
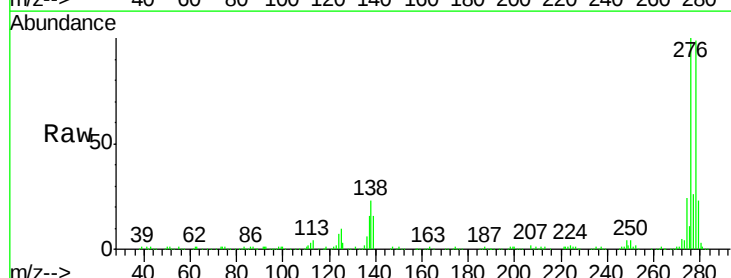
Instrument :
BNA_F
ClientSampleId :

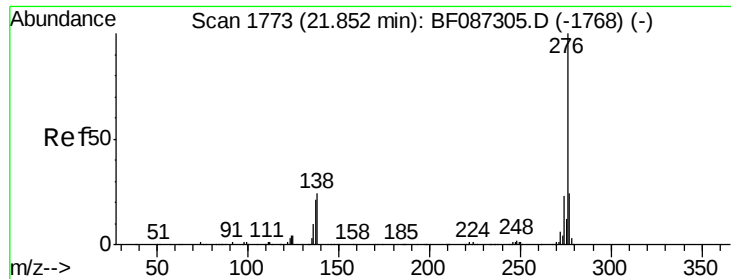
Tot Ion:252 Resp: 451995
Ion Ratio Lower Upper
252 100
253 22.6 17.2 25.8
125 14.5 9.0 13.6#



#90
Dibenzo(a,h)anthracene
Concen: 51.18 ng
RT: 21.37 min Scan# 1731
Delta R.T. 0.01 min
Lab File: BF087404.D
Acq: 26 May 2016 9:52

Tgt Ion:278 Resp: 359841
Ion Ratio Lower Upper
278 100
139 16.3 16.6 24.8#
279 23.3 19.6 29.4

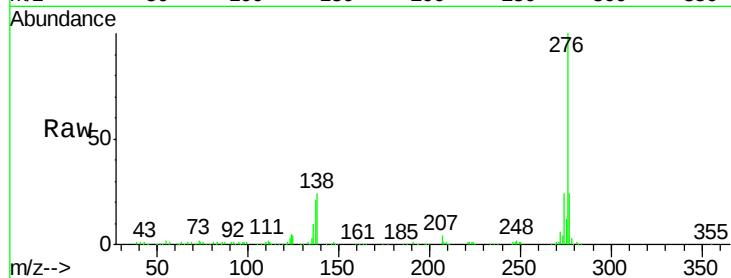




#91
 Benzo(a,h,i)perylene
 Concen: 47.99 ng
 RT: 21.71 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: BF087404.D
 Acq: 26 May 2016 9:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.6	29.4
138	24.3	23.6	35.4



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

