

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070316\
 Data File : BF088647.D
 Acq On : 3 Jul 2016 14:06
 Operator : UM/SJ
 Sample : PB91536BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 04 04:56:39 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 18:01:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	122716	20.00	ng	-0.02
21) Naphthalene-d8	8.07	136	483007	20.00	ng	-0.03
38) Acenaphthene-d10	9.83	164	234188	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	452136	20.00	ng	-0.02
75) Chrysene-d12	13.93	240	317634	20.00	ng	-0.02
86) Perylene-d12	15.31	264	309090	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	831737	101.58	ng	-0.01
7) Phenol-d6	6.43	99	1228541	116.12	ng	-0.01
23) Nitrobenzene-d5	7.35	82	855204	92.79	ng	-0.03
41) 2,4,6-Tribromophenol	10.62	330	306481	140.93	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	1291697	87.12	ng	-0.02
78) Terphenyl-d14	12.88	244	1133549	79.49	ng	-0.03

Target Compounds						Qvalue
2) 1,4-Dioxane	2.43	88	131383	32.36	ng	# 31
3) Pyridine	3.11	79	386951	32.85	ng	94
4) n-Nitrosodimethylamine	3.07	42	161237	35.83	ng	90
6) Aniline	6.44	93	271075	17.58	ng	# 1
8) 2-Chlorophenol	6.57	128	343097	38.99	ng	99
10) Phenol	6.44	94	451324	37.38	ng	80
11) bis(2-Chloroethyl)ether	6.52	93	322835	35.85	ng	93
12) 1,3-Dichlorobenzene	6.96	146	374868	38.71	ng	99
13) 1,4-Dichlorobenzene	6.80	146	365541	38.03	ng	95
14) 1,2-Dichlorobenzene	6.73	146	383225	42.60	ng	97
15) Benzyl Alcohol	6.94	79	332475	42.70	ng	95
16) 2,2'-oxybis(1-Chloropropan	7.07	45	458268	35.14	ng	91
17) 2-Methylphenol	7.05	107	320939	44.70	ng	97
18) Hexachloroethane	7.30	117	153443	41.27	ng	92
19) n-Nitroso-di-n-propylamine	7.21	70	264023	37.15	ng	92
20) 3+4-Methylphenols	7.20	107	367995	42.71	ng	# 69
22) Acetophenone	7.20	105	500707	42.71	ng	# 87
24) Nitrobenzene	7.37	77	408168	43.92	ng	# 84
25) Isophorone	7.61	82	732883	42.93	ng	96
26) 2-Nitrophenol	7.69	139	206644	54.23	ng	# 89
27) 2,4-Dimethylphenol	7.74	122	370316	46.66	ng	91
28) bis(2-Chloroethoxy)methane	7.83	93	449370	40.45	ng	# 96
29) 2,4-Dichlorophenol	7.93	162	292151	45.54	ng	97
30) 1,2,4-Trichlorobenzene	8.01	180	311948	44.31	ng	98
31) Naphthalene	8.09	128	1005891	42.24	ng	100
32) Benzoic acid	7.86	122	212489	36.87	ng	95
33) 4-Chloroaniline	8.14	127	112568	10.63	ng	97
34) Hexachlorobutadiene	8.22	225	165103	43.80	ng	99
35) Caprolactam	8.51	113	62138	28.52	ng	92
36) 4-Chloro-3-methylphenol	8.64	107	362623	47.81	ng	100
37) 2-Methylnaphthalene	8.79	142	722738	47.14	ng	# 96
39) 1,2,4,5-Tetrachlorobenzene	8.95	216	268995	34.53	ng	# 1
40) Hexachlorocyclopentadiene	8.95	237	323126	84.52	ng	98
42) 2,4,6-Trichlorophenol	9.06	196	205130	39.94	ng	97

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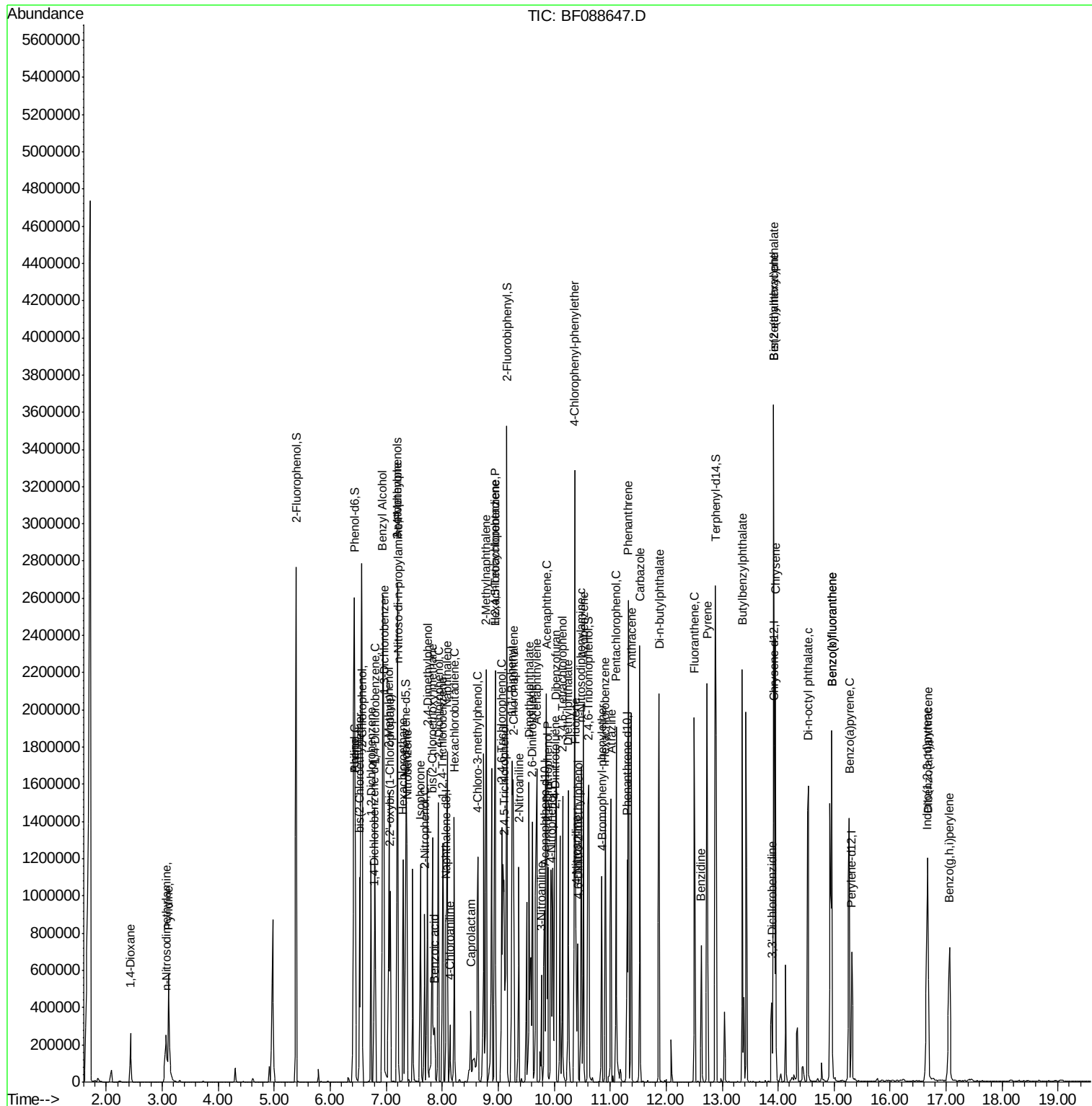
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.11	196	208966	47.29	nq	# 85
45) 1,1'-Biphenyl	9.24	154	783888	40.42	nq	98
46) 2-Chloronaphthalene	9.27	162	614415	40.36	nq	97
47) 2-Nitroaniline	9.37	65	243063	44.99	nq	# 82
48) Acenaphthylene	9.69	152	1069077	44.13	nq	99
49) Dimethylphthalate	9.55	163	681798	40.86	nq	100
50) 2,6-Dinitrotoluene	9.61	165	159303	43.08	nq	# 53
51) Acenaphthene	9.86	154	713567	48.06	nq	100
52) 3-Nitroaniline	9.77	138	84759	18.03	nq	89
53) 2,4-Dinitrophenol	9.88	184	145880	89.35	nq	96
54) Dibenzofuran	10.03	168	927607	47.73	nq	95
55) 4-Nitrophenol	9.95	139	324129	90.74	nq	# 71
56) 2,4-Dinitrotoluene	10.01	165	203726	42.14	nq	# 44
57) Fluorene	10.38	166	640102	42.74	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.15	232	172331	50.41	nq	# 49
59) Diethylphthalate	10.25	149	707300	42.24	nq	98
60) 4-Chlorophenyl-phenylether	10.36	204	285686	41.05	nq	96
61) 4-Nitroaniline	10.39	138	172937	38.23	nq	85
62) Azobenzene	10.52	77	879888	46.07	nq	96
64) 4,6-Dinitro-2-methylphenol	10.42	198	115943	47.94	nq	# 72
65) n-Nitrosodiphenylamine	10.48	169	610537	39.90	nq	100
66) 4-Bromophenyl-phenylether	10.86	248	199736	43.84	nq	95
67) Hexachlorobenzene	10.91	284	189309	37.53	nq	95
68) Atrazine	11.02	200	207784	43.58	nq	94
69) Pentachlorophenol	11.11	266	221147	74.09	nq	96
70) Phenanthrene	11.32	178	913478	36.96	nq	99
71) Anthracene	11.38	178	1068777	43.49	nq	99
72) Carbazole	11.53	167	890467	38.50	nq	99
73) Di-n-butylphthalate	11.87	149	1167614	43.40	nq	100
74) Fluoranthene	12.50	202	987860	39.43	nq	97
76) Benzidine	12.63	184	267248	16.65	nq	98
77) Pyrene	12.73	202	942705	35.00	nq	99
79) Butylbenzylphthalate	13.36	149	461865	38.45	nq	# 77
80) Benzo(a)anthracene	13.92	228	830031	40.58	nq	100
81) 3,3'-Dichlorobenzidine	13.89	252	112211	14.59	nq	99
82) Chrysene	13.95	228	748290	36.98	nq	100
83) Bis(2-ethylhexyl)phthalate	13.92	149	551843	40.24	nq	98
84) Di-n-octyl phthalate	14.54	149	1117327	47.95	nq	# 100
85) Indeno(1,2,3-cd)pyrene	16.66	276	740420	47.56	nq	# 100
87) Benzo(b)fluoranthene	14.96	252	1580328	81.50	nq	# 97
88) Benzo(k)fluoranthene	14.96	252	1580875	93.66	nq	98
89) Benzo(a)pyrene	15.27	252	755266	46.01	nq	# 96
90) Dibenzo(a,h)anthracene	16.67	278	609521	44.46	nq	100
91) Benzo(g,h,i)perylene	17.06	276	592005	41.73	nq	98

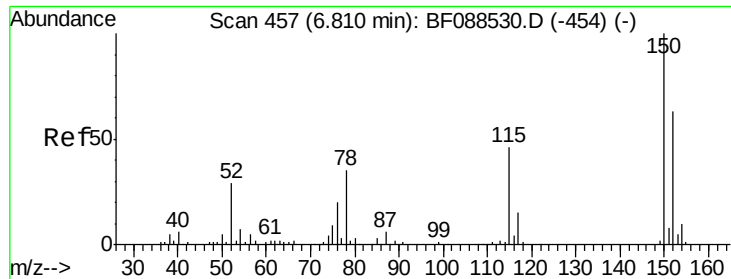
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.79 min Scan# 455

Delta R.T. -0.02 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

Instrument :

BNA_F

ClientSampled :

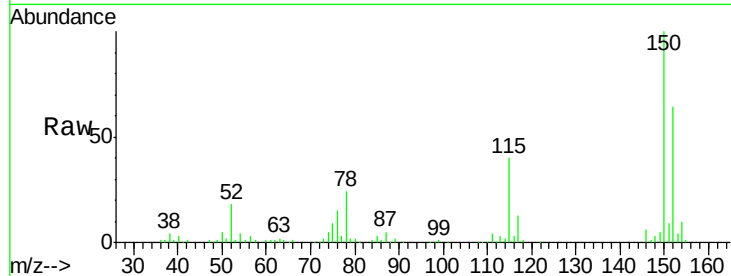
Tot Ion:152 Resp: 122716

Ion Ratio Lower Upper

152 100

150 156.9 123.8 185.6

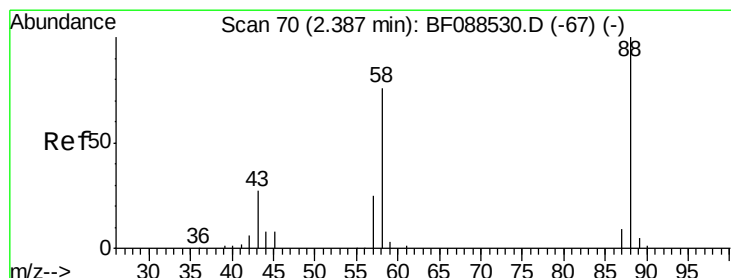
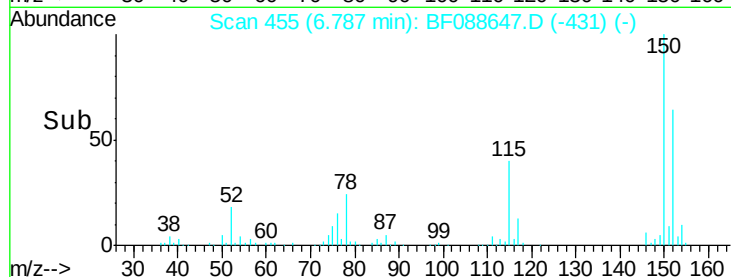
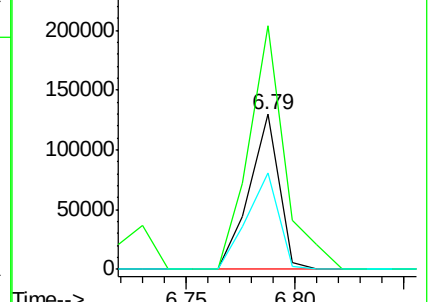
115 62.1 39.6 59.4#



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: 32.36 ng

RT: 2.43 min Scan# 74

Delta R.T. 0.05 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

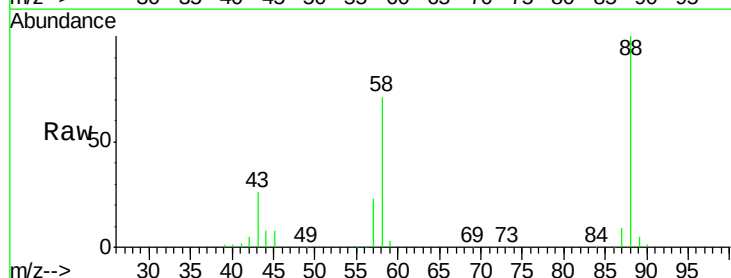
Tgt Ion: 88 Resp: 131383

Ion Ratio Lower Upper

88 100

58 70.2 0.0 0.0#

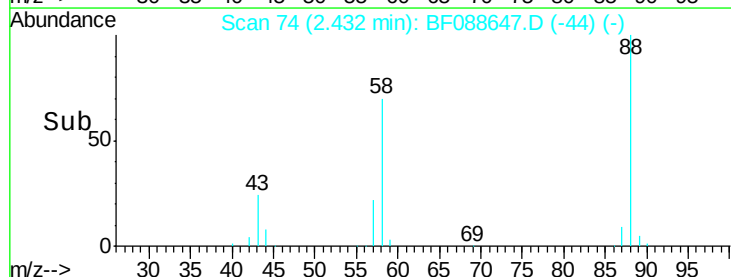
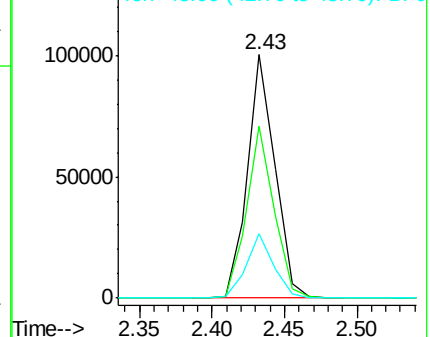
43 27.1 3.4 5.2#

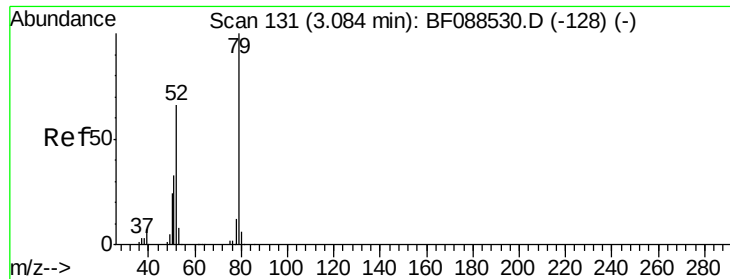


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 32.85 ng

RT: 3.11 min Scan# 133

Delta R.T. 0.02 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

Instrument :

BNA_F

ClientSampleId :

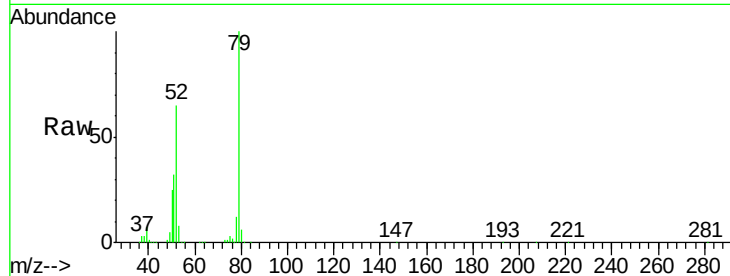
Tot Ion: 79 Resp: 386951

Ion Ratio Lower Upper

79 100

52 64.7 56.3 84.5

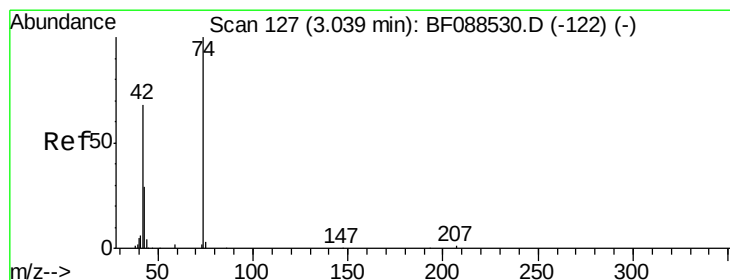
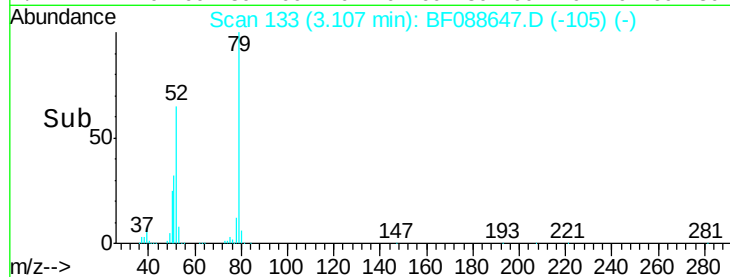
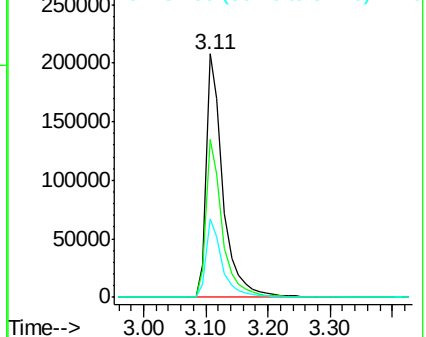
51 32.3 27.4 41.2



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 35.83 ng

RT: 3.07 min Scan# 130

Delta R.T. 0.03 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

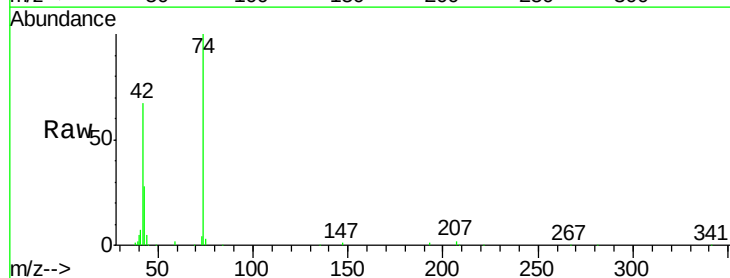
Tgt Ion: 42 Resp: 161237

Ion Ratio Lower Upper

42 100

74 148.2 108.6 163.0

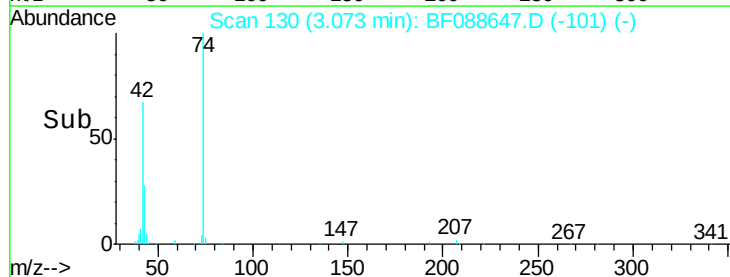
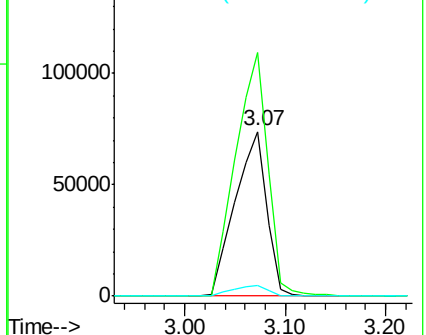
44 6.8 5.5 8.3

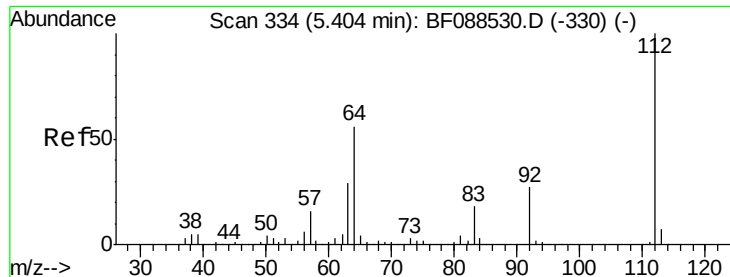


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 101.58 ng

RT: 5.39 min Scan# 333

Delta R.T. -0.01 min

Lab File: BF088647.D

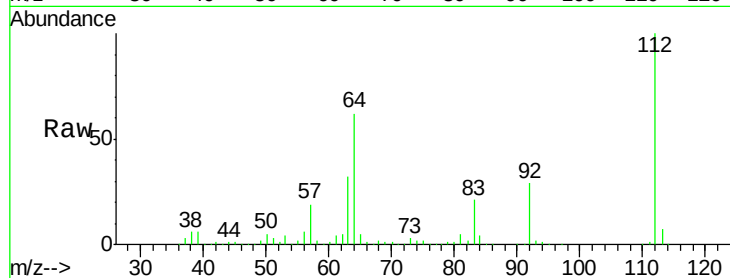
Acq: 3 Jul 2016 14:06

Instrument :

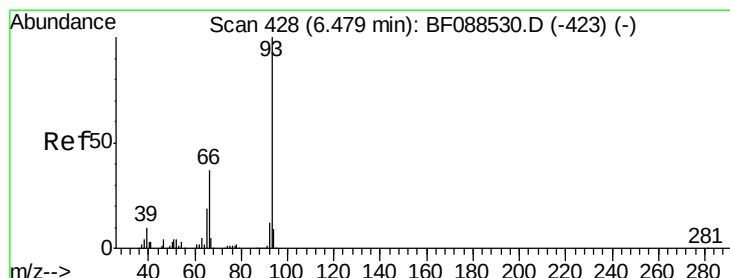
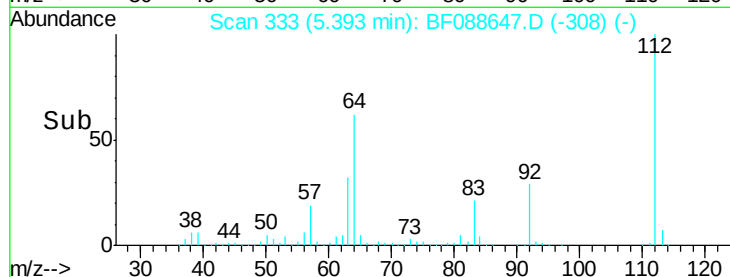
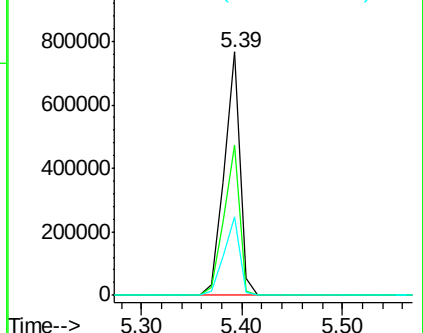
BNA_F

ClientSampleId :

Tot Ion:	112	Resp:	831737
Ion	Ratio	Lower	Upper
112	100		
64	61.5	42.2	63.2
63	32.4	21.8	32.8



Abundance Ion 112.00 (111.70 to 112.70): BF088530.D (-330) (-)



#6

Aniline

Concen: 17.58 ng

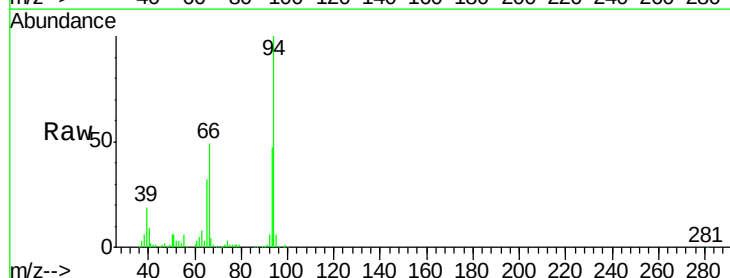
RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

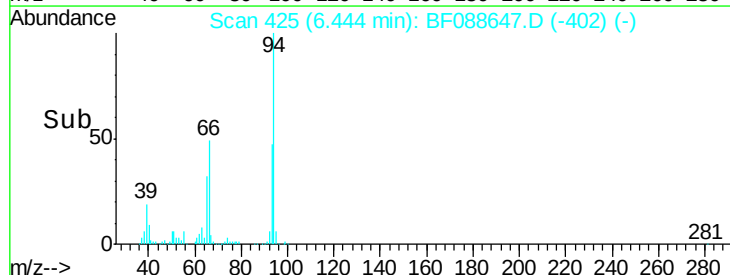
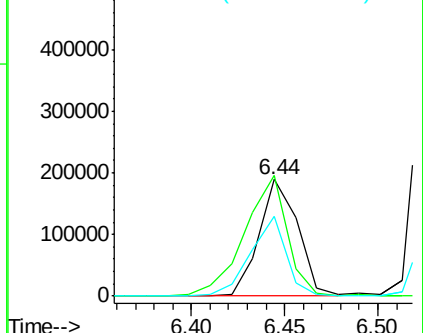
Lab File: BF088647.D

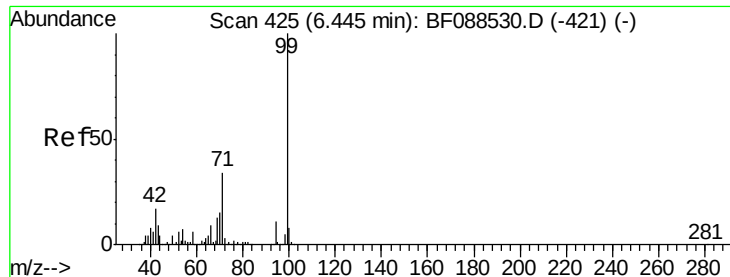
Acq: 3 Jul 2016 14:06

Tgt Ion:	93	Resp:	271075
Ion	Ratio	Lower	Upper
93	100		
66	104.0	29.8	44.8#
65	68.8	14.9	22.3#



Abundance Ion 93.00 (92.70 to 93.70): BF088530.D (-423) (-)





#7

Phenol-d6

Concen: 116.12 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

Instrument :

BNA_F

ClientSampleId :

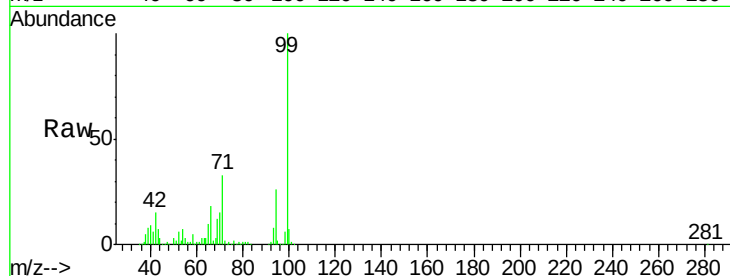
Tot Ion: 99 Resp: 1228541

Ion Ratio Lower Upper

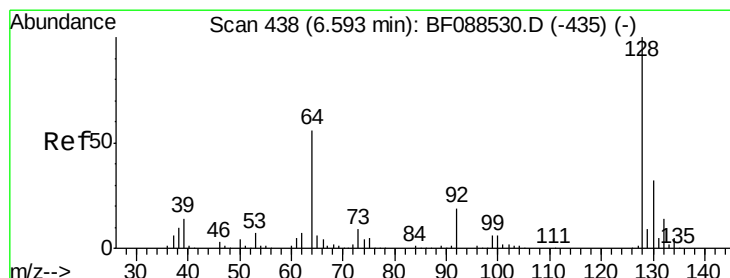
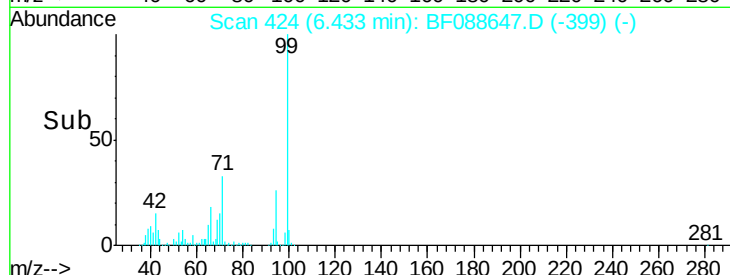
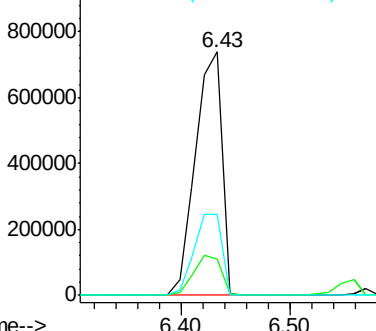
99 100

42 14.9 12.2 18.2

71 33.4 23.4 35.0



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: 38.99 ng

RT: 6.57 min Scan# 436

Delta R.T. -0.02 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

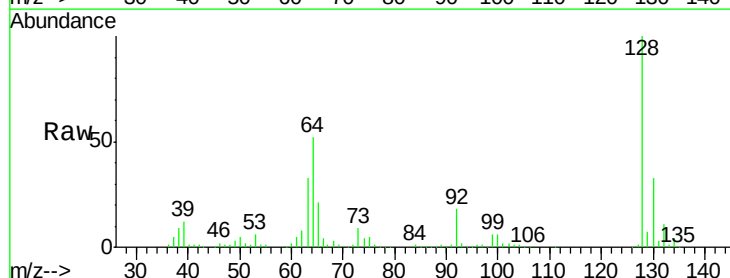
Tgt Ion: 128 Resp: 343097

Ion Ratio Lower Upper

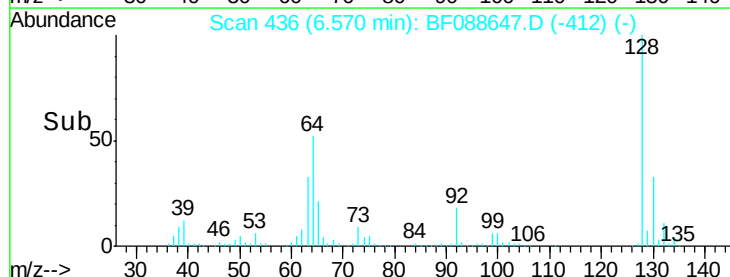
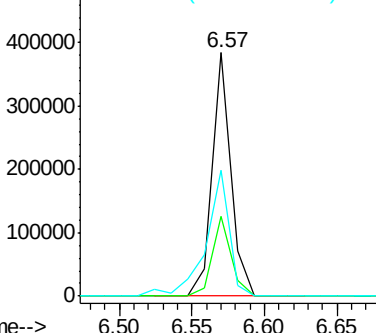
128 100

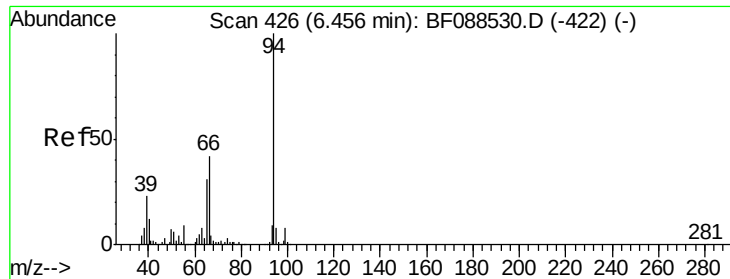
130 32.6 12.0 52.0

64 51.9 30.8 70.8



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

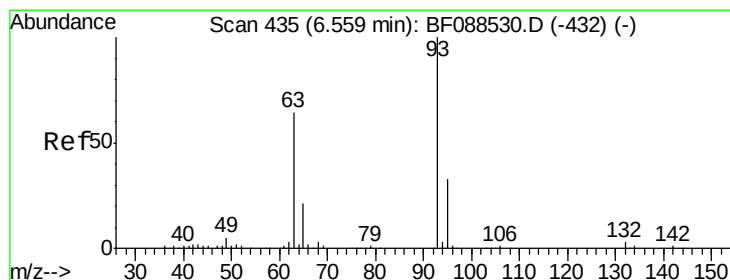
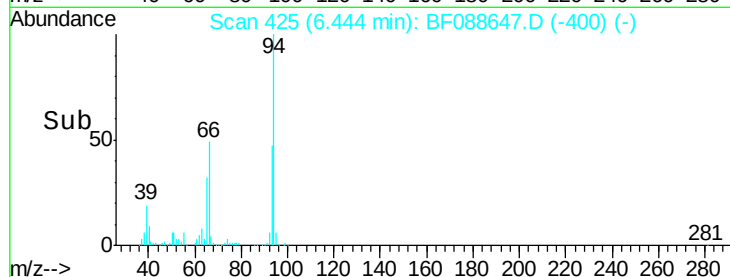
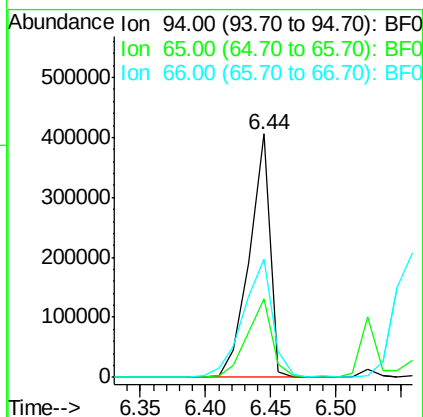
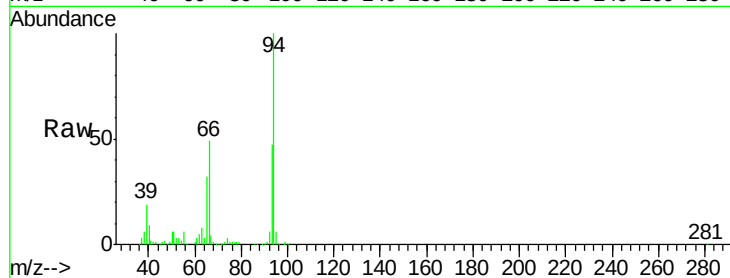




#10
Phenol
Concen: 37.38 ng
RT: 6.44 min Scan# 425
Delta R.T. -0.01 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

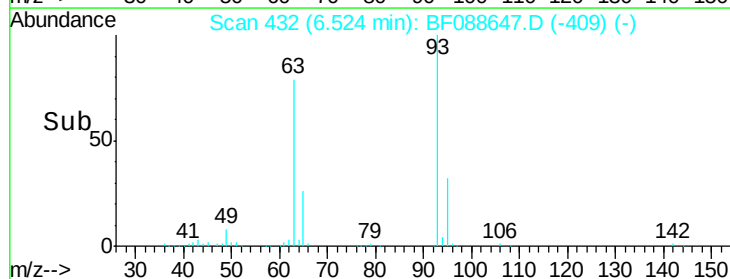
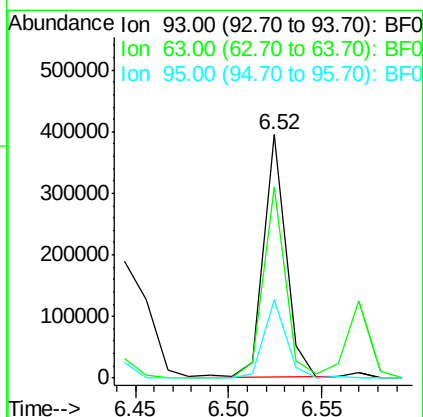
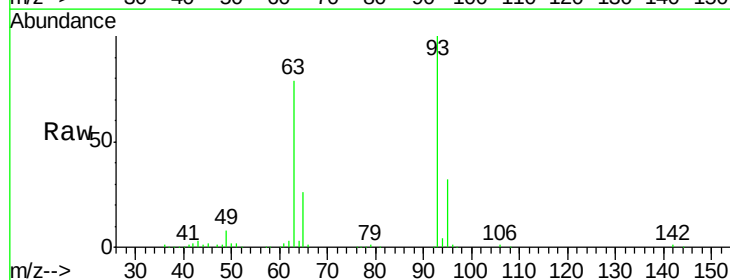
Instrument :
BNA_F
ClientSampled :

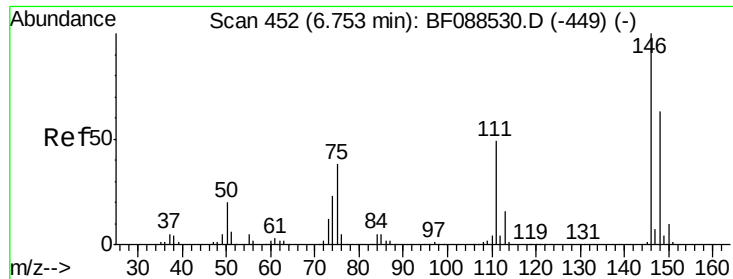
Tot Ion: 94 Resp: 451324
Ion Ratio Lower Upper
94 100
65 32.1 5.9 45.9
66 48.5 14.0 54.0



#11
bis(2-Chloroethyl)ether
Concen: 35.85 ng
RT: 6.52 min Scan# 432
Delta R.T. -0.03 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

Tgt Ion: 93 Resp: 322835
Ion Ratio Lower Upper
93 100
63 78.6 67.6 107.6
95 32.0 12.5 52.5





#12

1,3-Dichlorobenzene

Concen: 38.71 ng

RT: 6.96 min Scan# 470

Delta R.T. 0.21 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

Instrument :

BNA_F

ClientSampleId :

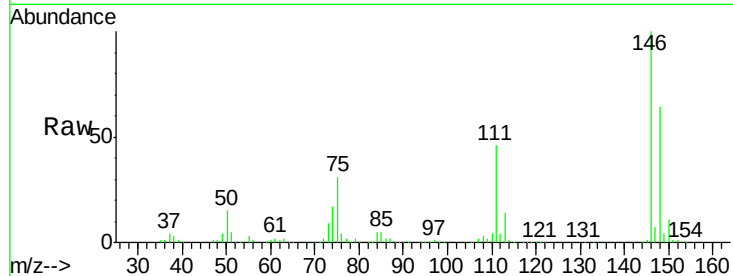
Tot Ion:146 Resp: 374868

Ion Ratio Lower Upper

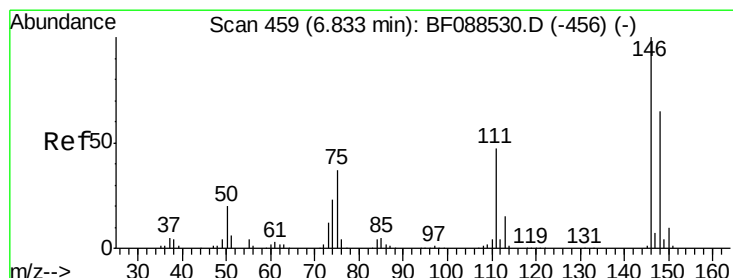
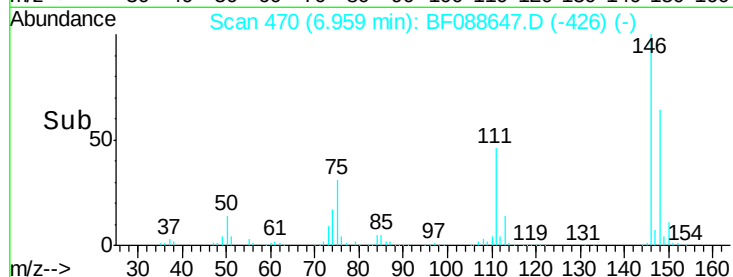
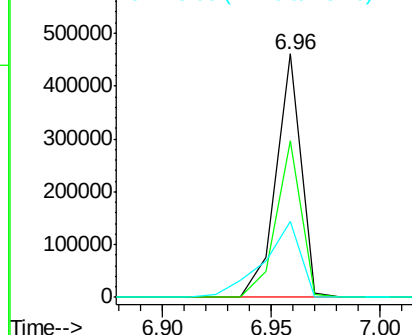
146 100

148 64.4 50.9 76.3

75 31.1 25.6 38.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 38.03 ng

RT: 6.80 min Scan# 456

Delta R.T. -0.03 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

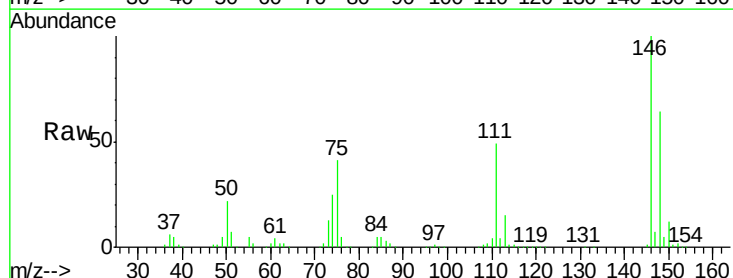
Tgt Ion:146 Resp: 365541

Ion Ratio Lower Upper

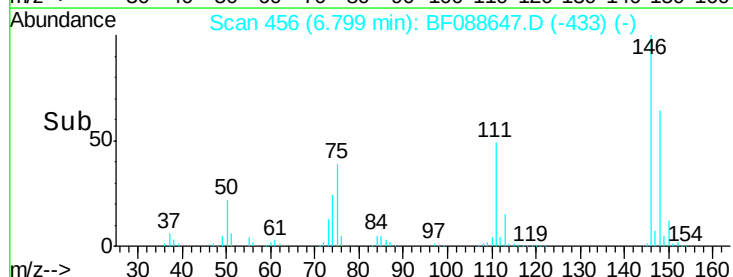
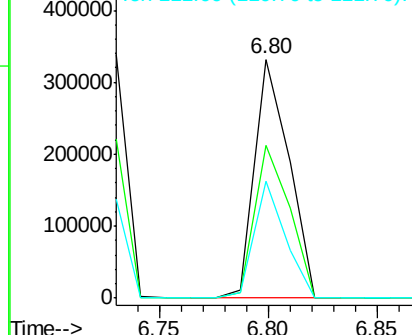
146 100

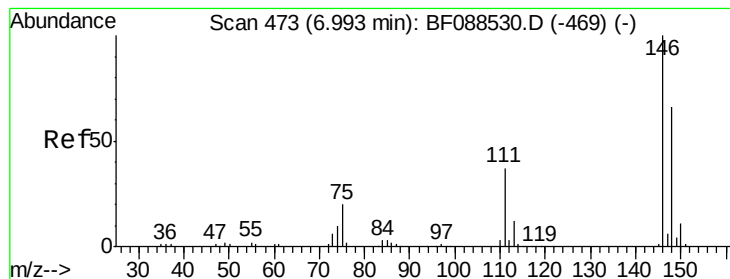
148 63.9 52.0 78.0

111 48.9 33.8 50.8



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: 42.60 ng

RT: 6.73 min Scan# 450

Delta R.T. -0.26 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

Instrument :

BNA_F

ClientSampleId :

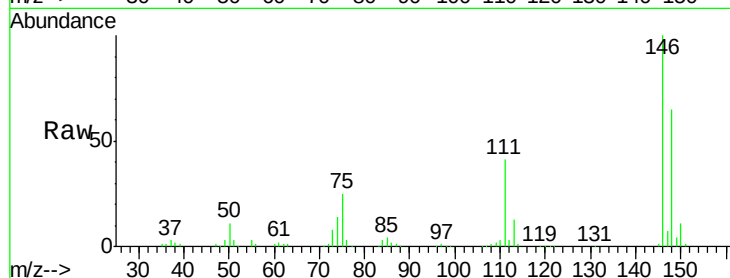
Tot Ion:146 Resp: 383225

Ion Ratio Lower Upper

146 100

148 65.5 52.3 78.5

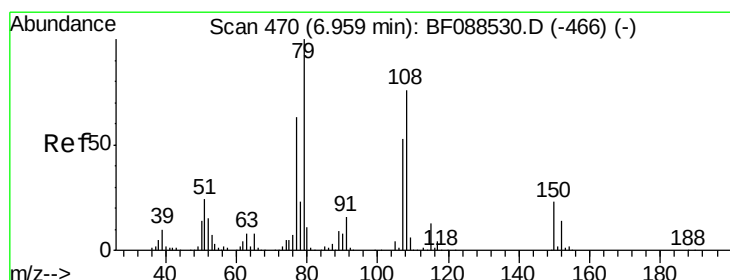
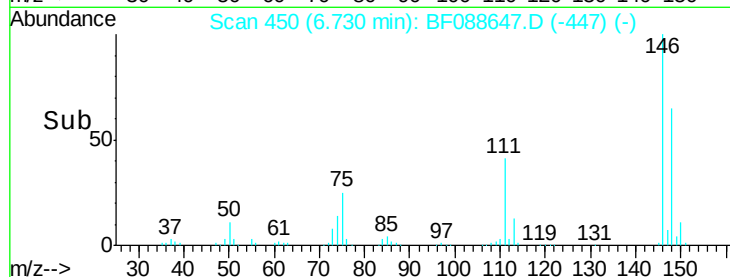
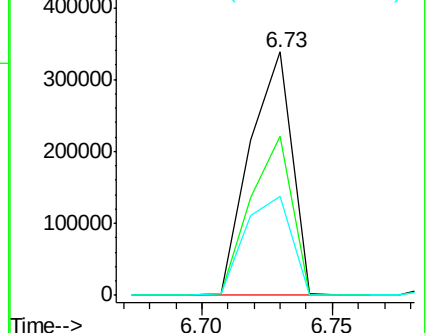
111 40.7 28.7 43.1



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



#15

Benzyl Alcohol

Concen: 42.70 ng

RT: 6.94 min Scan# 468

Delta R.T. -0.02 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

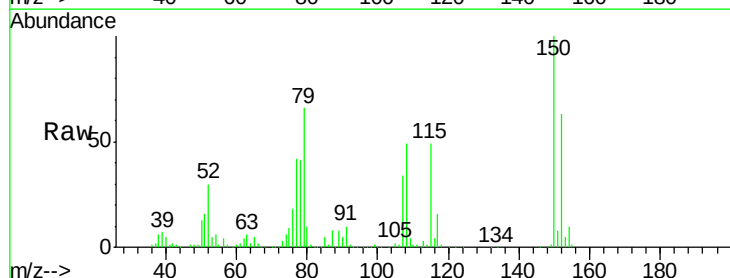
Tgt Ion: 79 Resp: 332475

Ion Ratio Lower Upper

79 100

108 74.2 65.0 97.6

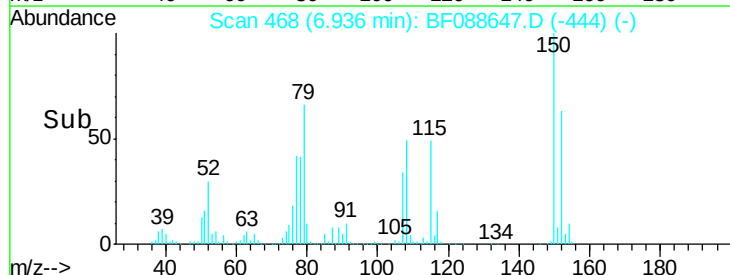
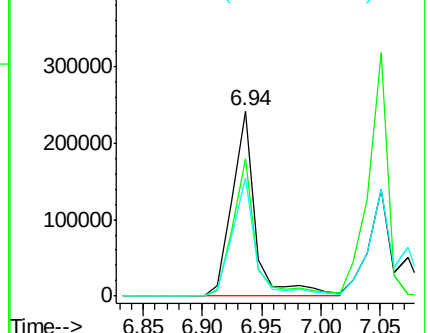
77 63.8 50.3 75.5

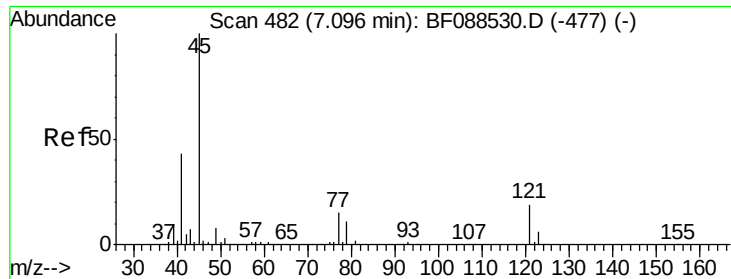


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

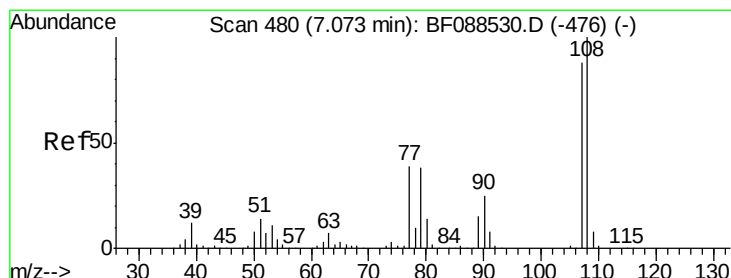
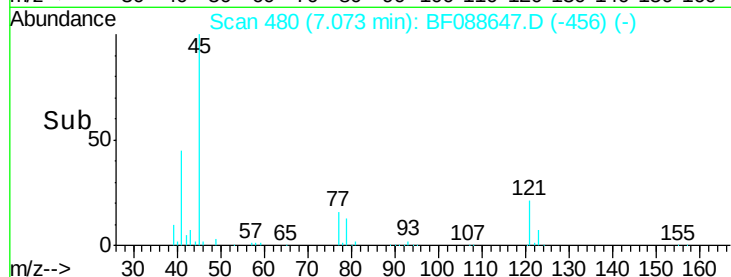
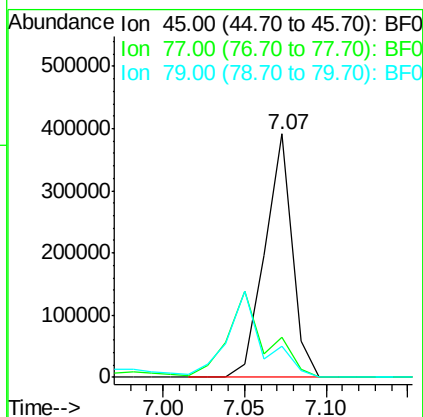
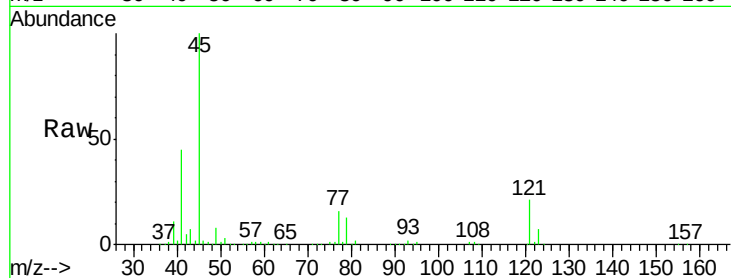




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 35.14 ng
RT: 7.07 min Scan# 480
Delta R.T. -0.02 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

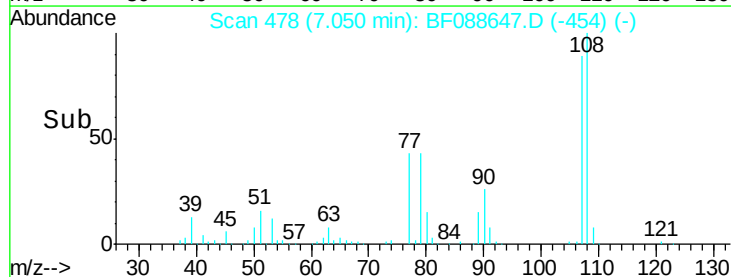
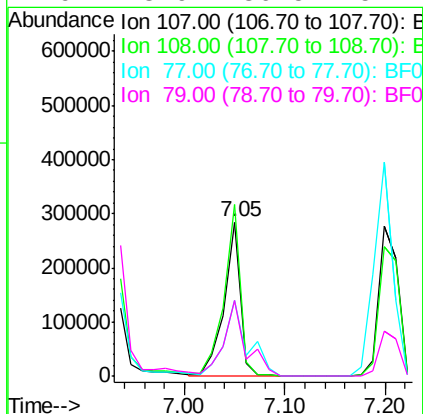
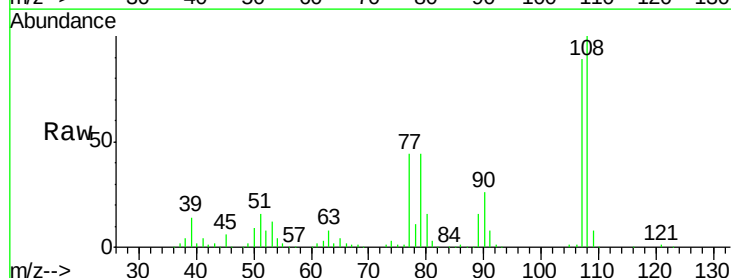
Instrument :
BNA_F
ClientSampled :

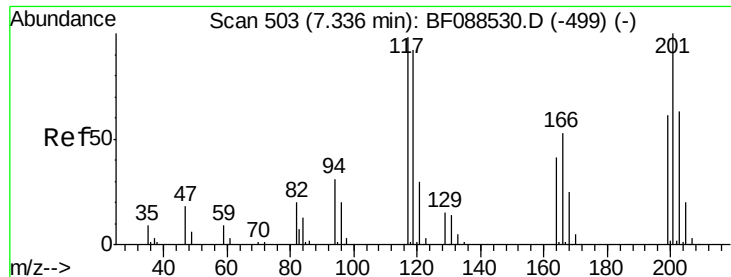
Tot Ion	Ratio	Lower	Upper
45	100		
77	16.3	0.0	32.5
79	12.8	0.0	29.5



#17
2-Methylphenol
Concen: 44.70 ng
RT: 7.05 min Scan# 478
Delta R.T. -0.02 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

Tgt Ion	Ratio	Lower	Upper
107	100		
108	111.8	90.9	136.3
77	48.8	36.6	55.0
79	48.9	36.5	54.7

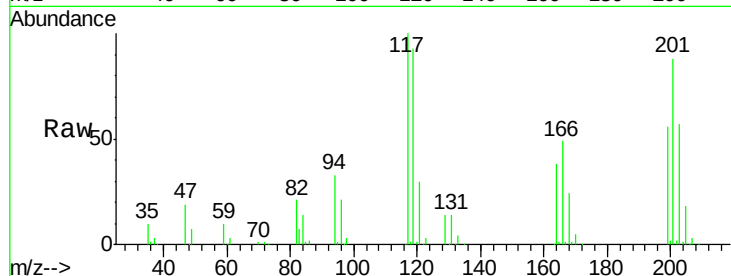




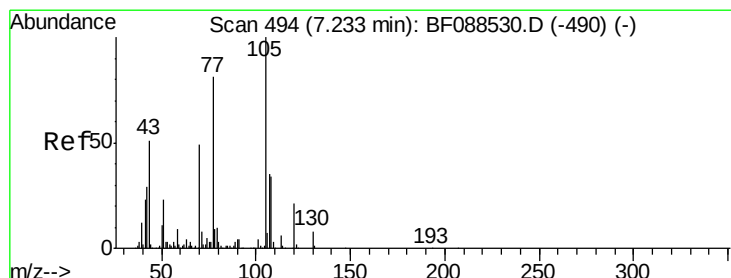
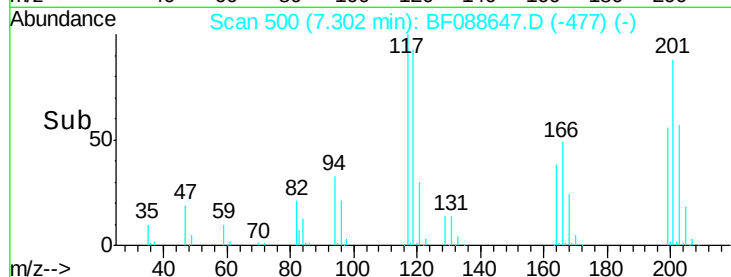
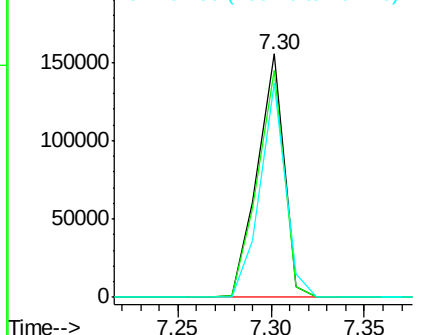
#18
Hexachloroethane
Concen: 41.27 ng
RT: 7.30 min Scan# 500
Delta R.T. -0.03 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:117 Resp: 153443
Ion Ratio Lower Upper
117 100
119 93.3 77.4 116.2
201 88.1 80.4 120.6

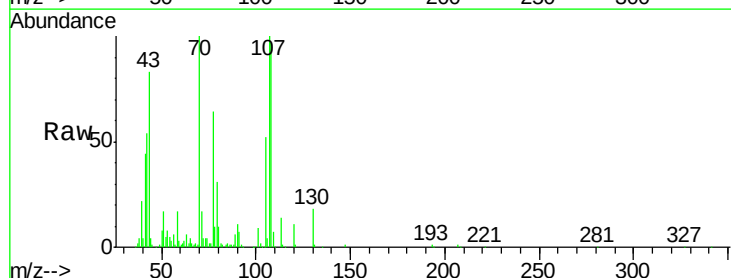


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

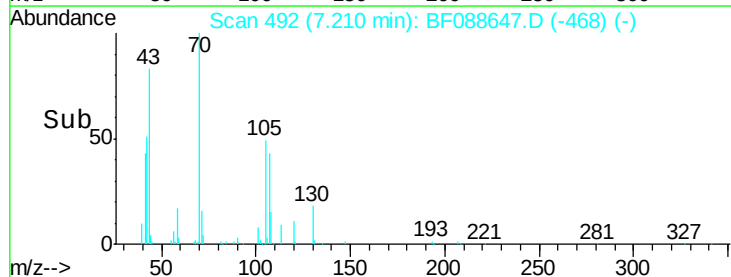
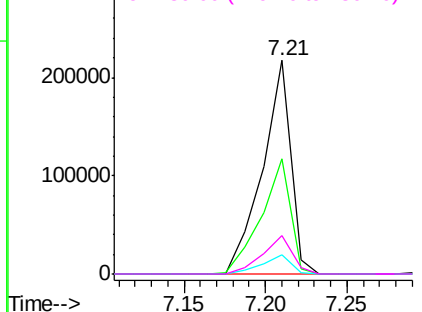


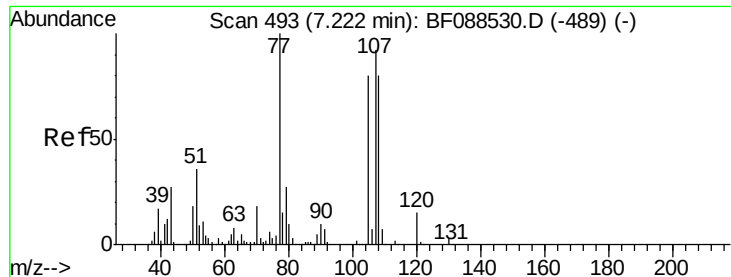
#19
n-Nitroso-di-n-propylamine
Concen: 37.15 ng
RT: 7.21 min Scan# 492
Delta R.T. -0.02 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

Tgt Ion: 70 Resp: 264023
Ion Ratio Lower Upper
70 100
42 54.0 49.6 74.4
101 9.0 7.1 10.7
130 18.3 15.4 23.2



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

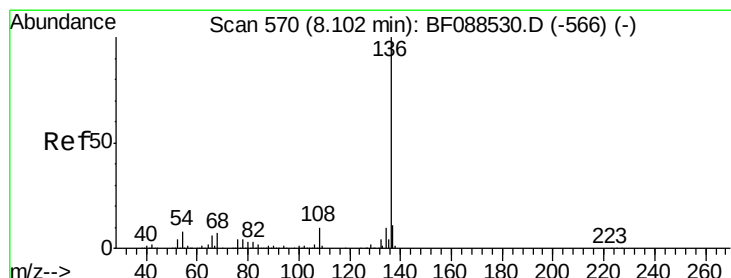
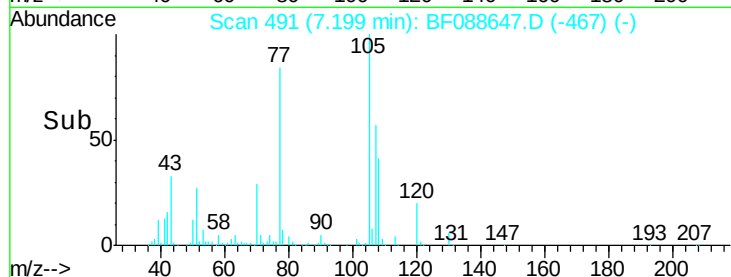
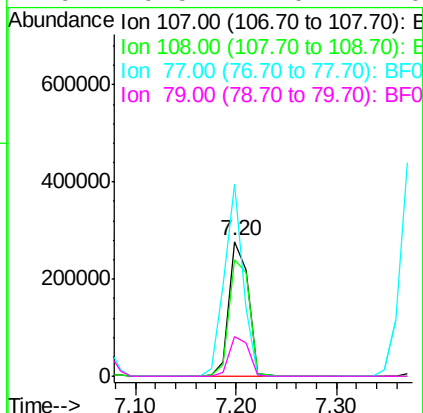
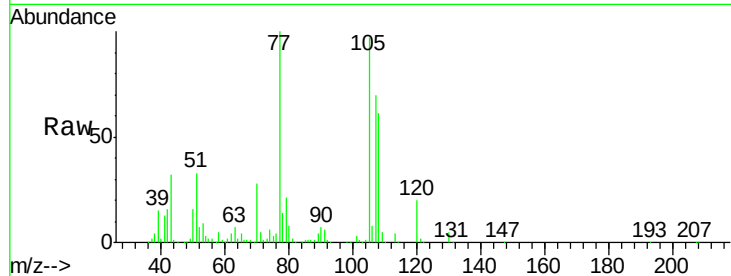




#20
3+4-Methylphenols
Concen: 42.71 ng
RT: 7.20 min Scan# 491
Delta R.T. -0.02 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

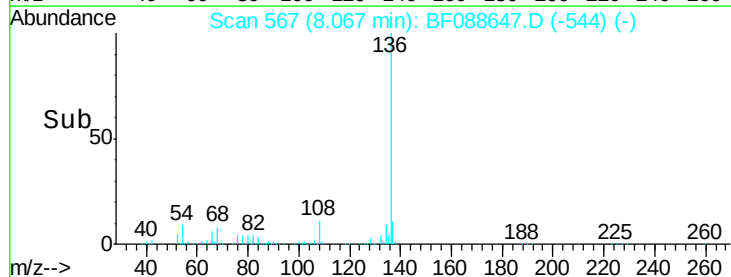
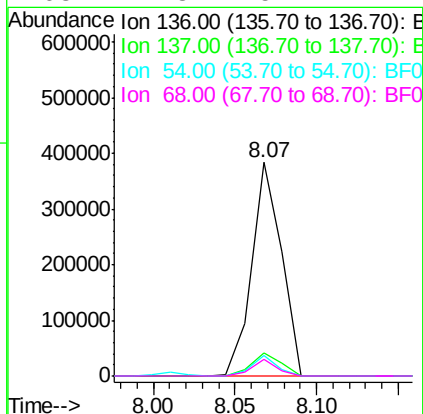
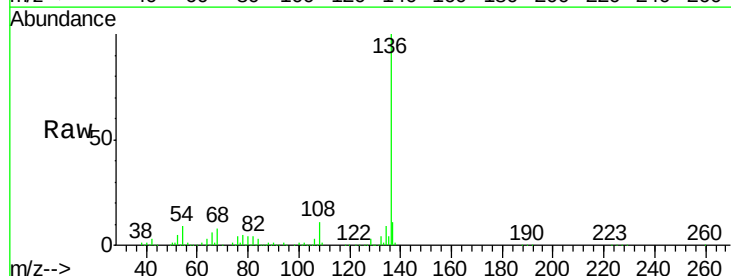
Instrument :
BNA_F
ClientSampleId :

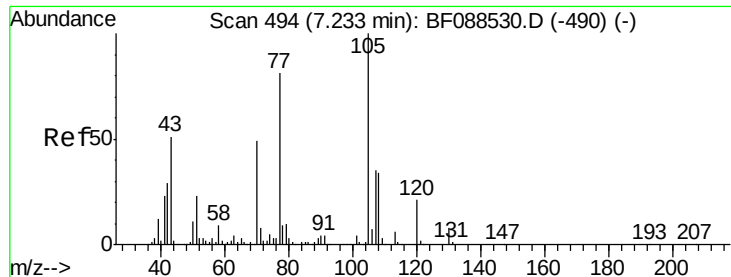
Tot Ion:107 Resp: 367995
Ion Ratio Lower Upper
107 100
108 86.6 67.8 107.8
77 142.5 59.3 99.3#
79 29.5 7.0 47.0



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 567
Delta R.T. -0.03 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

Tgt Ion:136 Resp: 483007
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 9.4 6.6 10.0
68 7.8 5.1 7.7#





#22

Acetophenone

Concen: 42.71 ng

RT: 7.20 min Scan# 491

Delta R.T. -0.03 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

Instrument :

BNA_F

ClientSampled :

Tot Ion:105 Resp: 500707

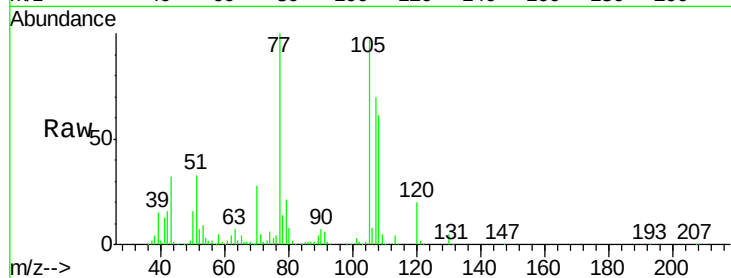
Ion Ratio Lower Upper

105 100

71 4.7 5.3 7.9#

51 34.5 18.2 27.4#

120 20.2 18.0 27.0

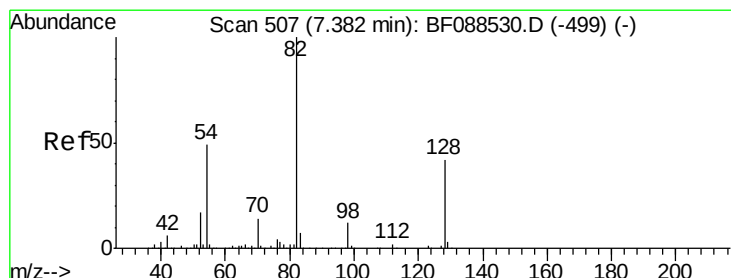
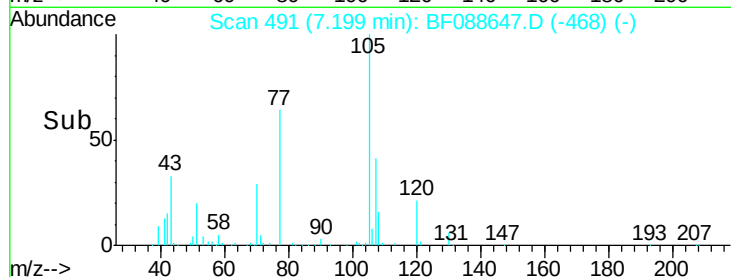
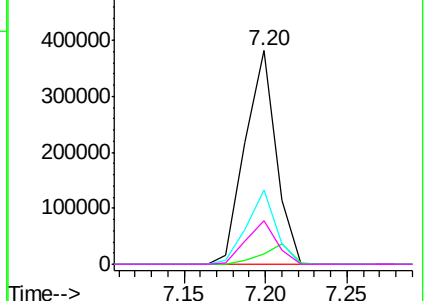


Abundance Ion 105.00 (104.70 to 105.70): E

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: 92.79 ng

RT: 7.35 min Scan# 504

Delta R.T. -0.03 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

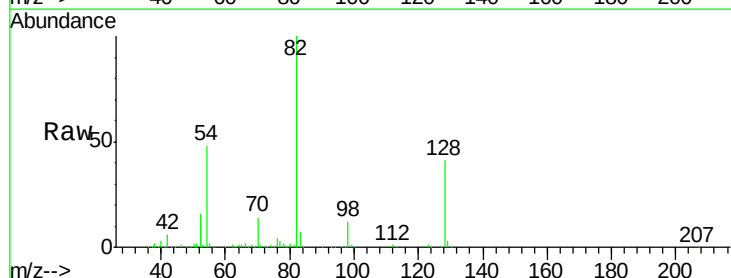
Tgt Ion: 82 Resp: 855204

Ion Ratio Lower Upper

82 100

128 40.8 35.9 53.9

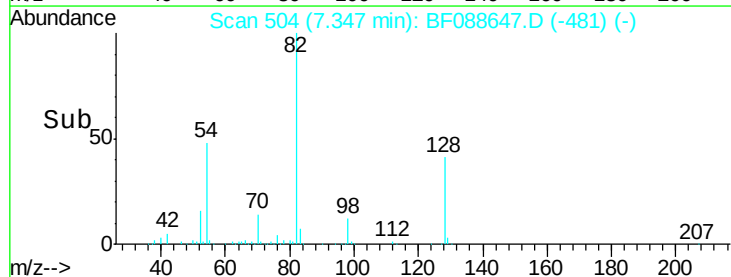
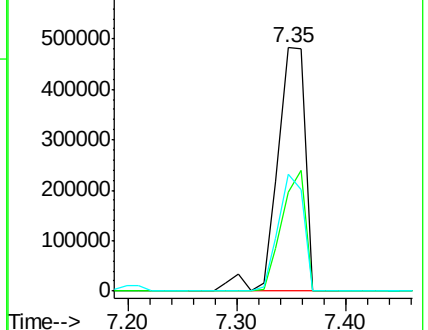
54 48.2 40.9 61.3

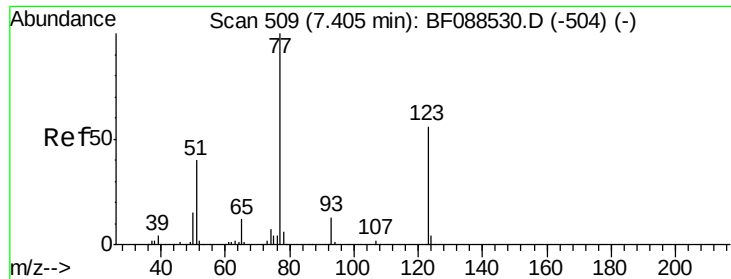


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 43.92 ng

RT: 7.37 min Scan# 506

Delta R.T. -0.03 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

Instrument :

BNA_F

ClientSampled :

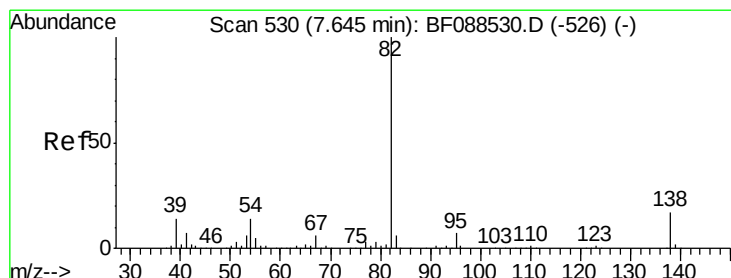
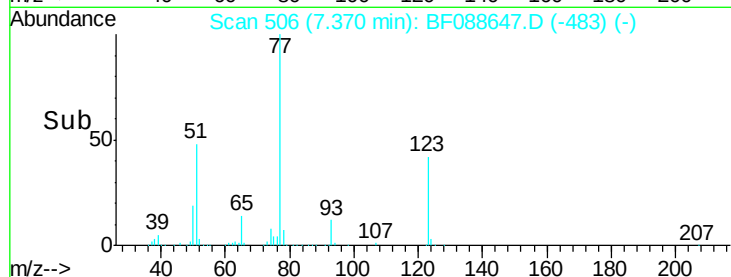
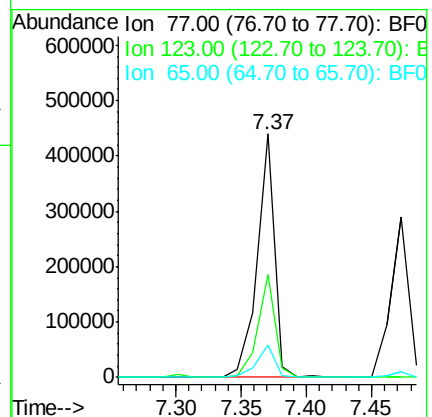
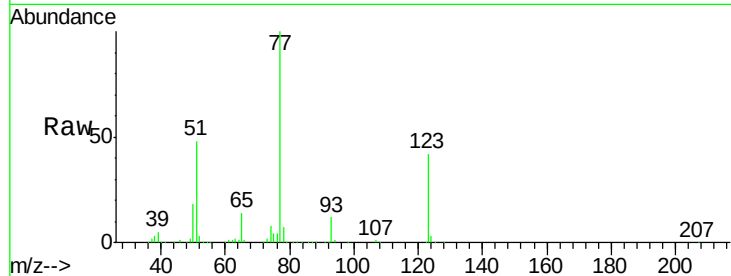
Tot Ion: 77 Resp: 408168

Ion Ratio Lower Upper

77 100

123 42.2 45.0 67.4#

65 13.6 10.2 15.2



#25

Isophorone

Concen: 42.93 ng

RT: 7.61 min Scan# 527

Delta R.T. -0.03 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

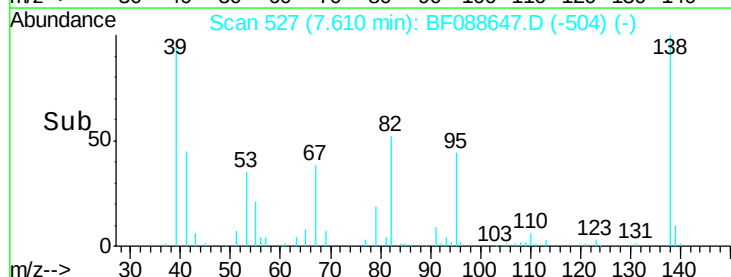
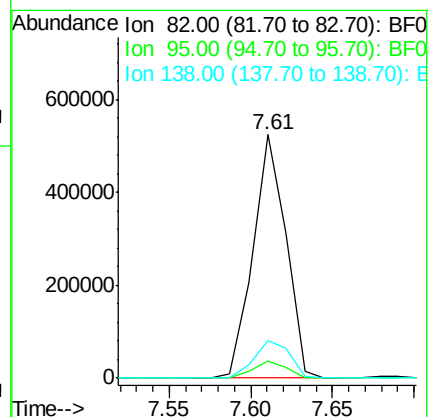
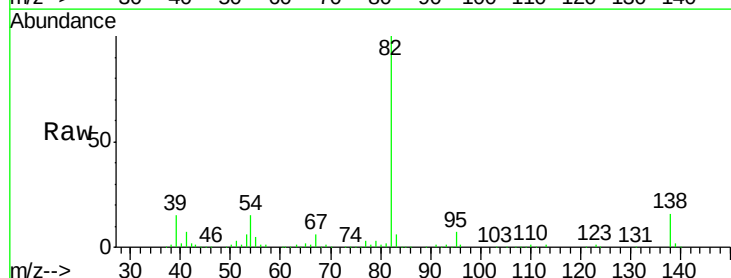
Tgt Ion: 82 Resp: 732883

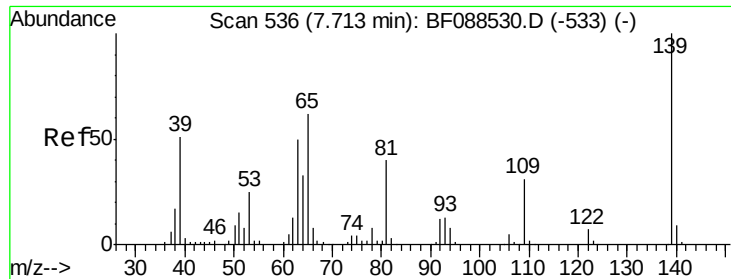
Ion Ratio Lower Upper

82 100

95 6.9 5.4 8.2

138 15.5 14.6 21.8

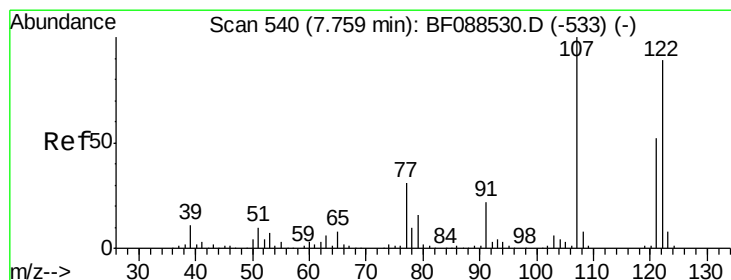
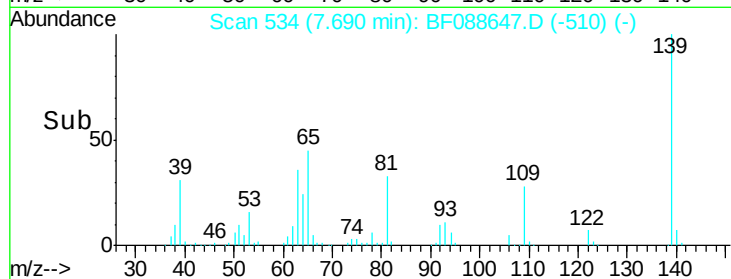
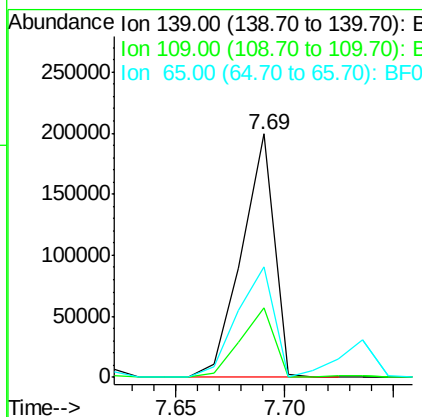
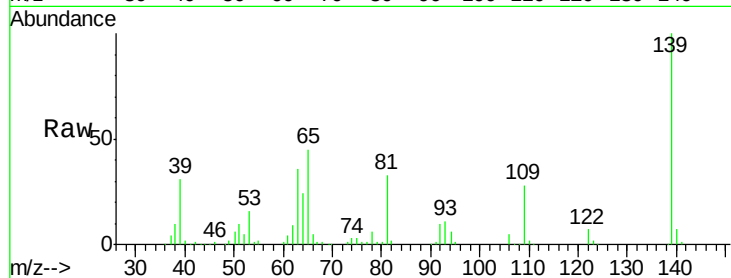




#26
2-Nitrophenol
Concen: 54.23 ng
RT: 7.69 min Scan# 534
Delta R.T. -0.02 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

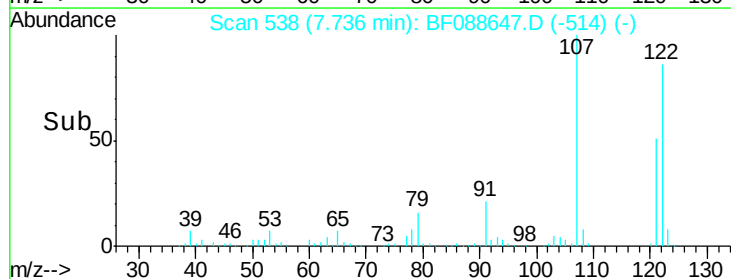
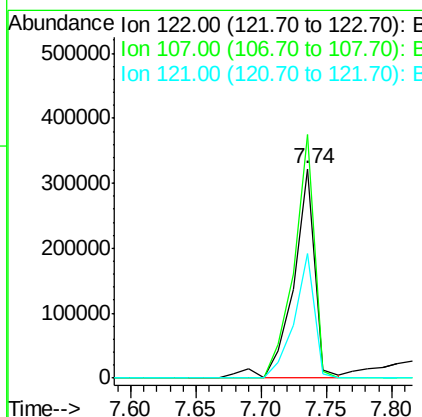
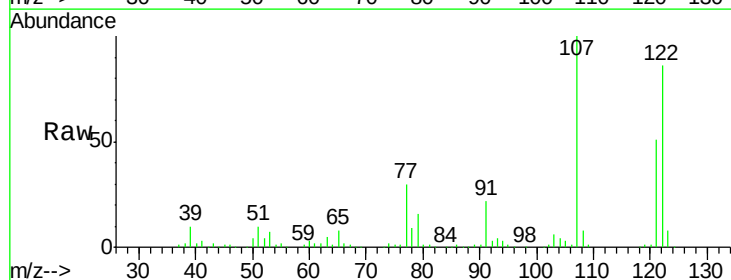
Instrument :
BNA_F
ClientSampled :

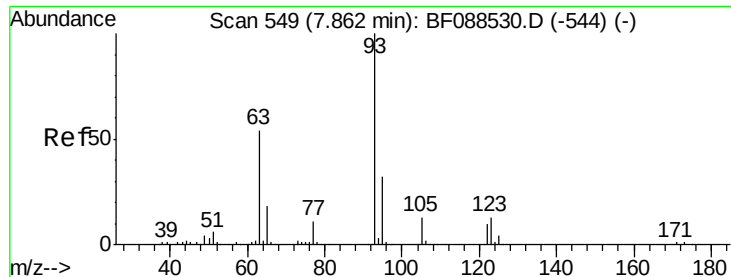
Tot Ion:139 Resp: 206644
Ion Ratio Lower Upper
139 100
109 28.4 23.0 34.4
65 45.4 45.8 68.8#



#27
2,4-Dimethylphenol
Concen: 46.66 ng
RT: 7.74 min Scan# 538
Delta R.T. -0.02 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

Tgt Ion:122 Resp: 370316
Ion Ratio Lower Upper
122 100
107 116.3 82.4 123.6
121 59.7 46.3 69.5





#28

bis(2-Chloroethoxy)methane

Concen: 40.45 ng

RT: 7.83 min Scan# 546

Delta R.T. -0.03 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

Instrument :

BNA_F

ClientSampleId :

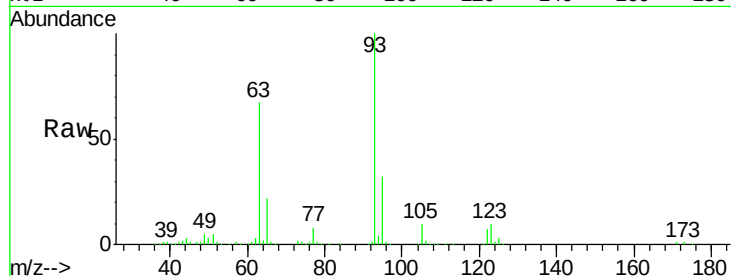
Tot Ion: 93 Resp: 449370

Ion Ratio Lower Upper

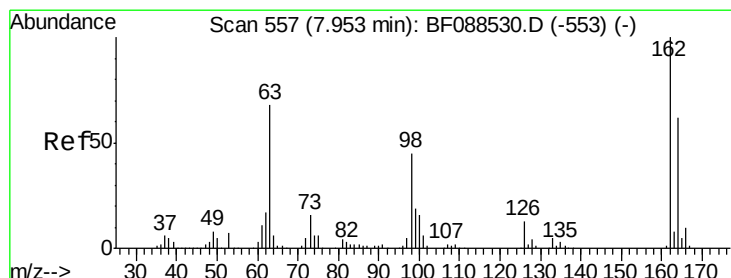
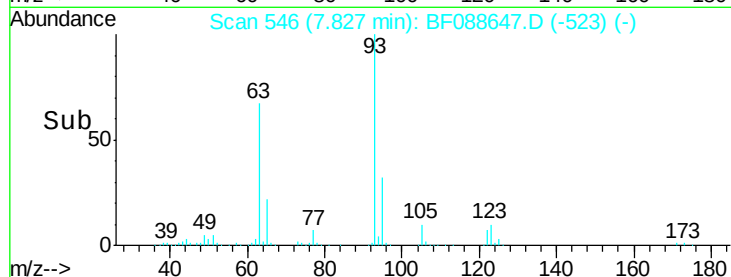
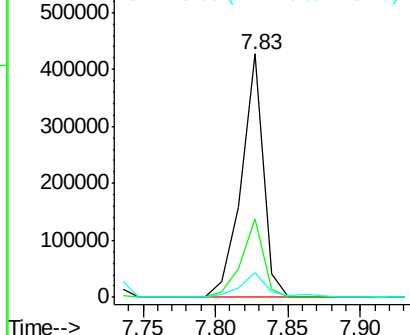
93 100

95 32.2 26.5 39.7

123 10.4 11.6 17.4#



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): BF0



#29

2,4-Dichlorophenol

Concen: 45.54 ng

RT: 7.93 min Scan# 555

Delta R.T. -0.02 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

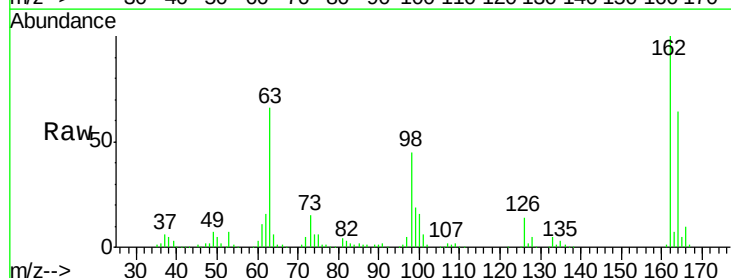
Tgt Ion:162 Resp: 292151

Ion Ratio Lower Upper

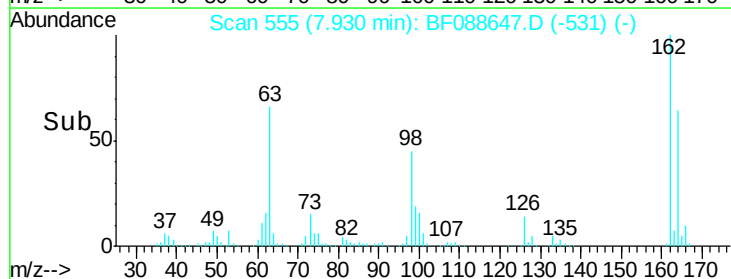
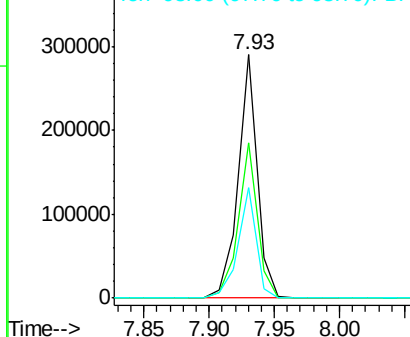
162 100

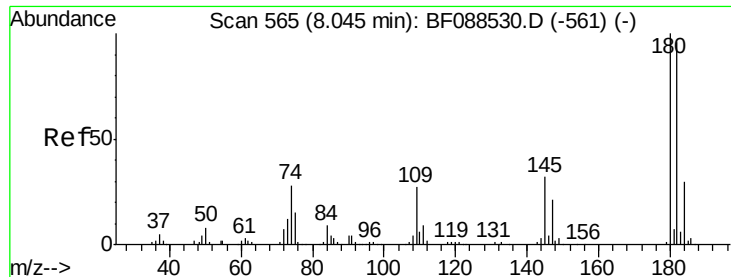
164 63.6 43.8 83.8

98 45.4 21.3 61.3



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

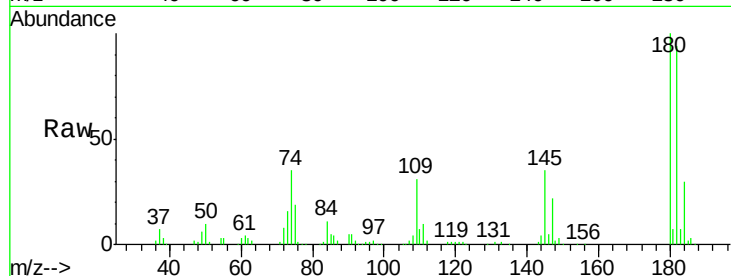




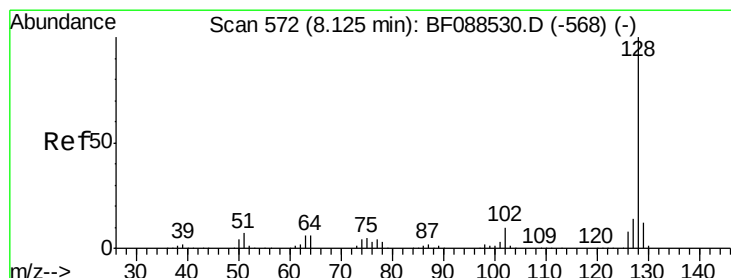
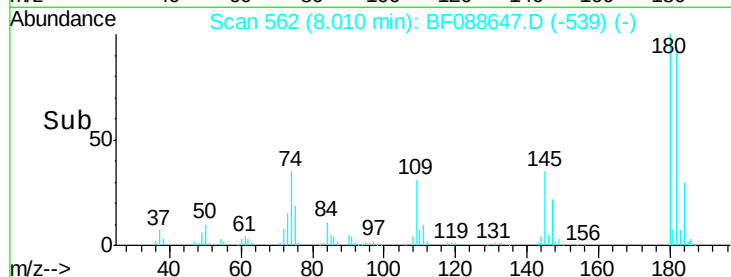
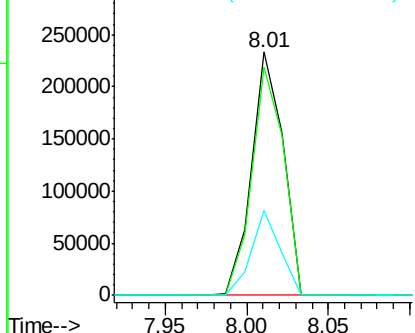
#30
 1,2,4-Trichlorobenzene
 Concen: 44.31 ng
 RT: 8.01 min Scan# 562
 Delta R.T. -0.03 min
 Lab File: BF088647.D
 Acq: 3 Jul 2016 14:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:180 Resp: 311948
 Ion Ratio Lower Upper
 180 100
 182 93.8 76.0 114.0
 145 34.9 26.5 39.7

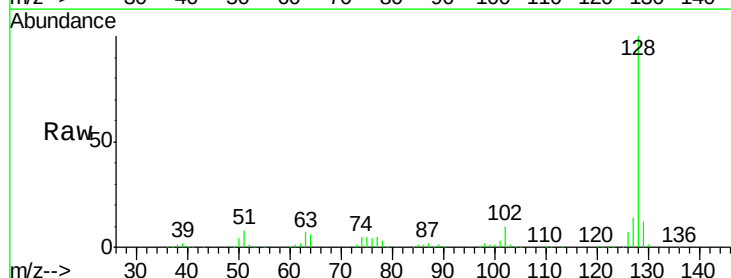


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

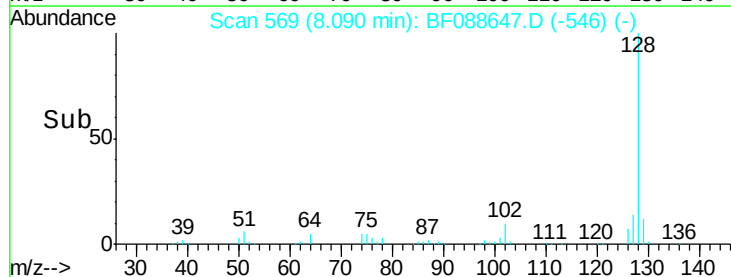
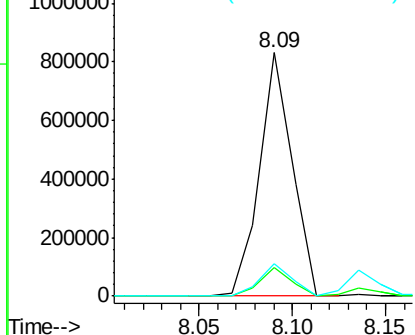


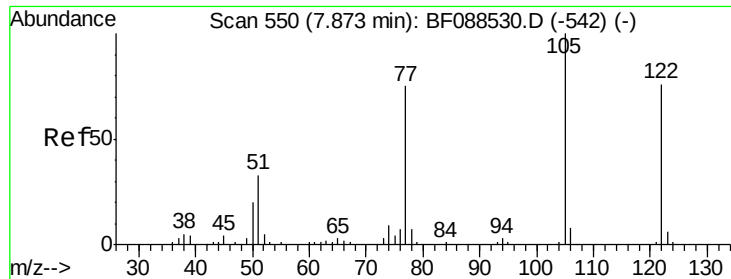
#31
 Naphthalene
 Concen: 42.24 ng
 RT: 8.09 min Scan# 569
 Delta R.T. -0.03 min
 Lab File: BF088647.D
 Acq: 3 Jul 2016 14:06

Tgt Ion:128 Resp: 1005891
 Ion Ratio Lower Upper
 128 100
 129 11.6 9.4 14.2
 127 13.6 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 36.87 ng

RT: 7.86 min Scan# 549

Delta R.T. -0.01 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

Instrument :

BNA_F

ClientSampleId :

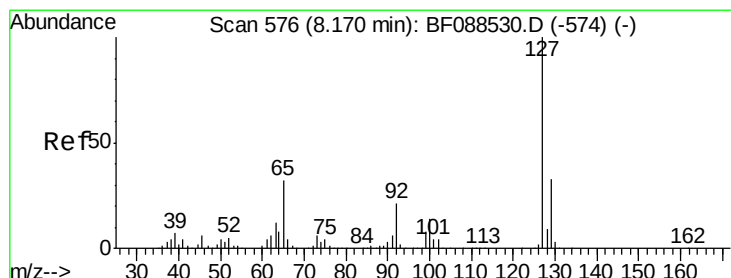
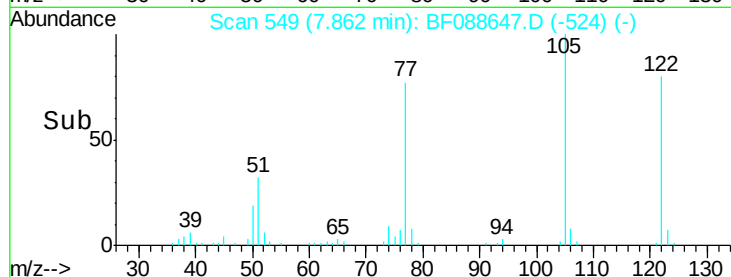
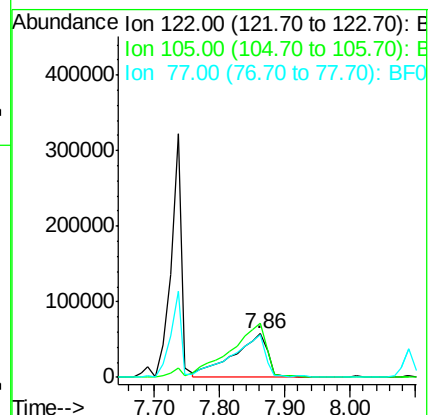
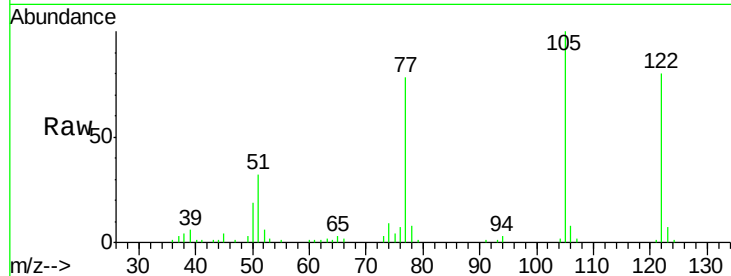
Tot Ion:122 Resp: 212489

Ion Ratio Lower Upper

122 100

105 125.6 101.6 141.6

77 98.0 70.6 110.6



#33

4-Chloroaniline

Concen: 10.63 ng

RT: 8.14 min Scan# 573

Delta R.T. -0.03 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

Tgt Ion:127 Resp: 112568

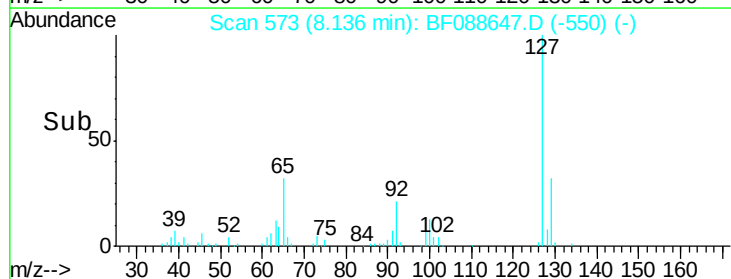
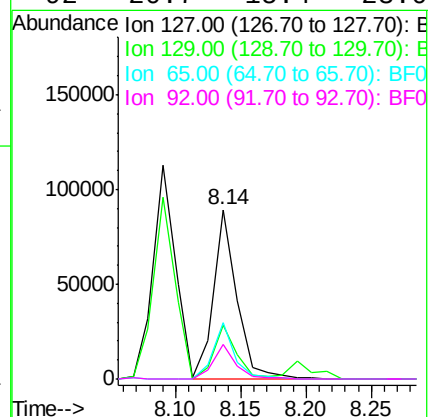
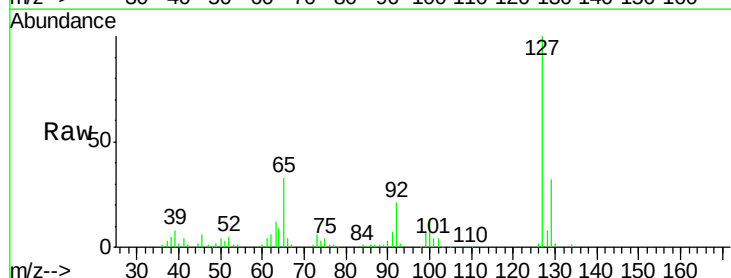
Ion Ratio Lower Upper

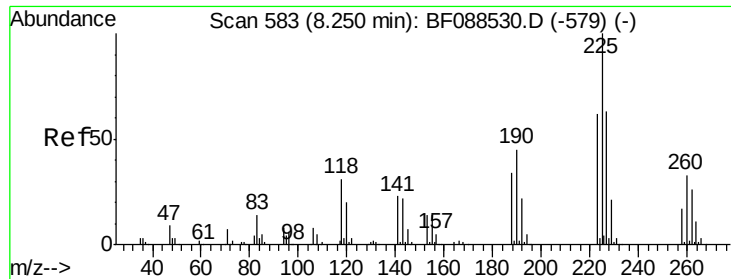
127 100

129 31.9 26.3 39.5

65 33.0 24.7 37.1

92 20.7 15.4 23.0





#34

Hexachlorobutadiene

Concen: 43.80 ng

RT: 8.22 min Scan# 580

Delta R.T. -0.03 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

Instrument :

BNA_F

ClientSampleId :

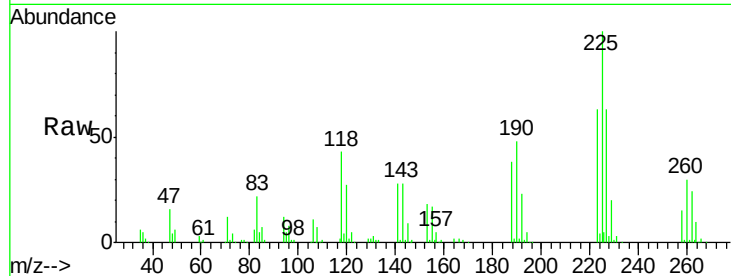
Tot Ion:225 Resp: 165103

Ion Ratio Lower Upper

225 100

223 63.2 50.9 76.3

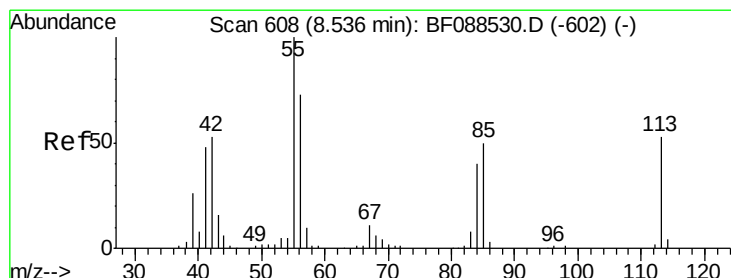
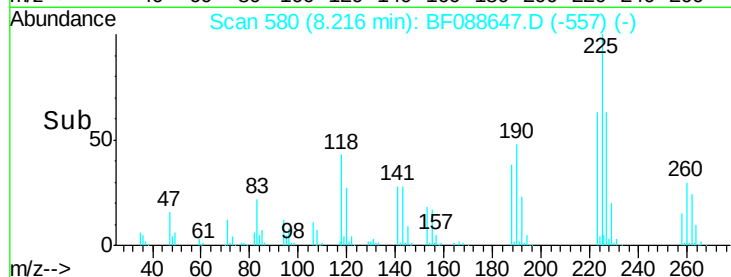
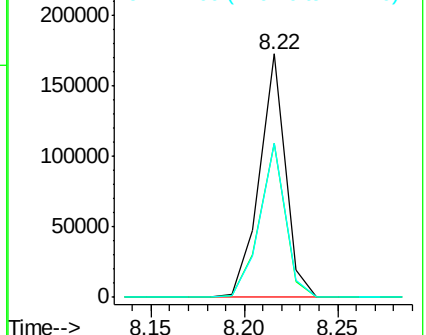
227 63.1 51.9 77.9



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#35

Caprolactam

Concen: 28.52 ng

RT: 8.51 min Scan# 606

Delta R.T. -0.02 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

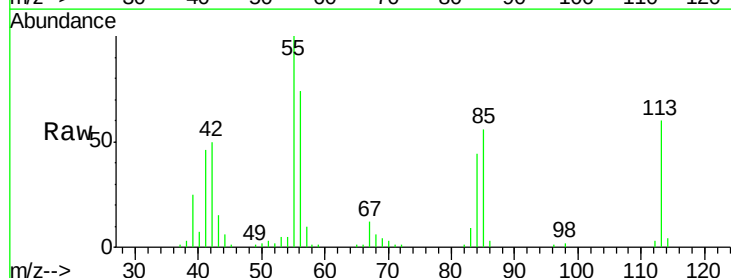
Tgt Ion:113 Resp: 62138

Ion Ratio Lower Upper

113 100

55 165.8 158.6 198.6

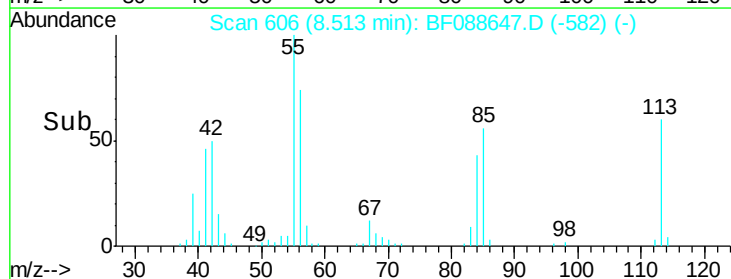
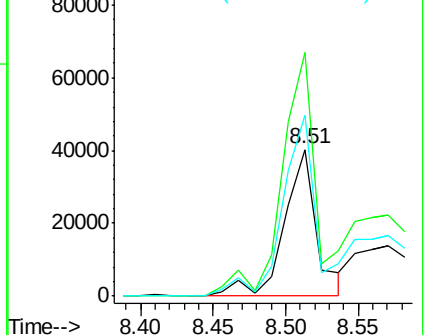
56 123.3 110.6 150.6

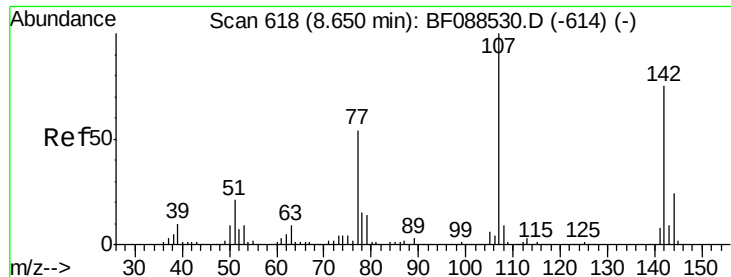


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

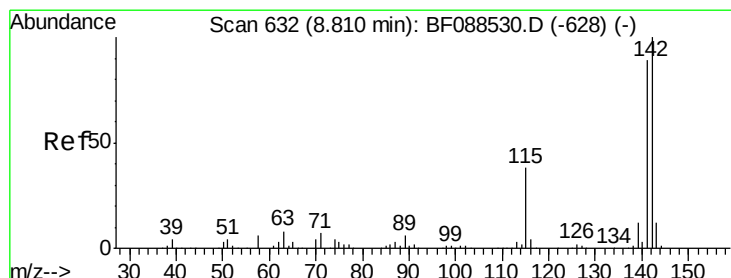
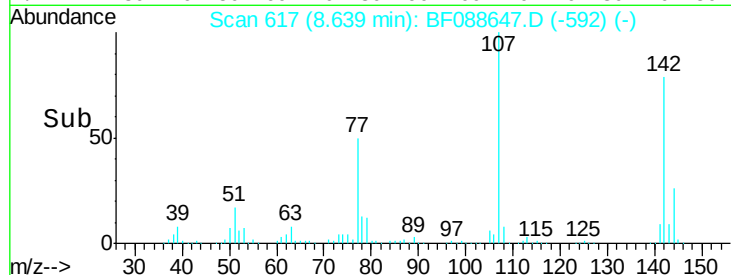
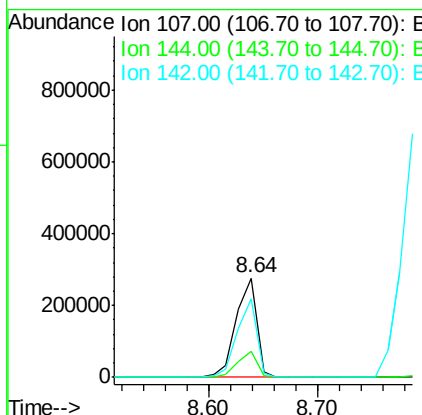
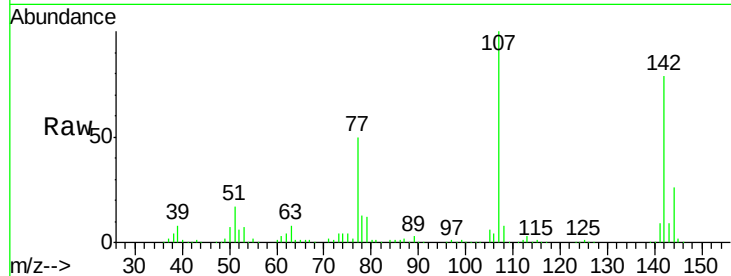




#36
 4-Chloro-3-methylphenol
 Concen: 47.81 ng
 RT: 8.64 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF088647.D
 Acq: 3 Jul 2016 14:06

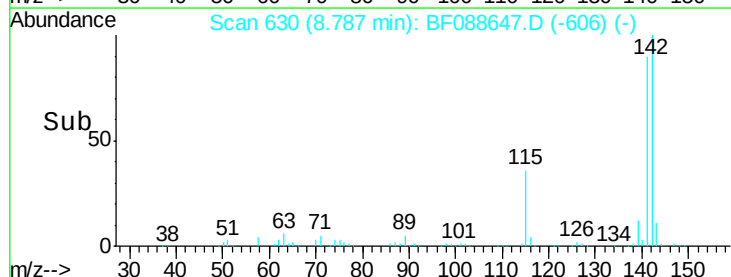
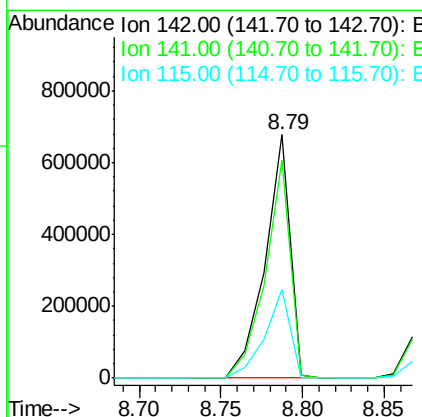
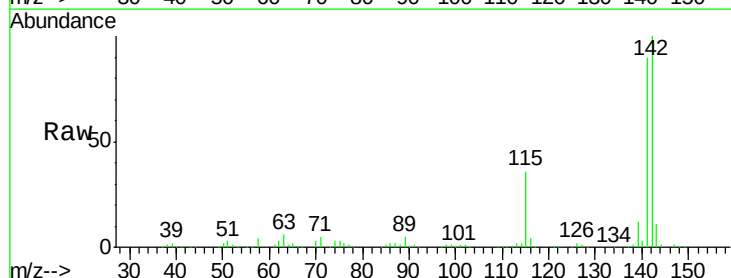
Instrument :
 BNA_F
 ClientSampleId :

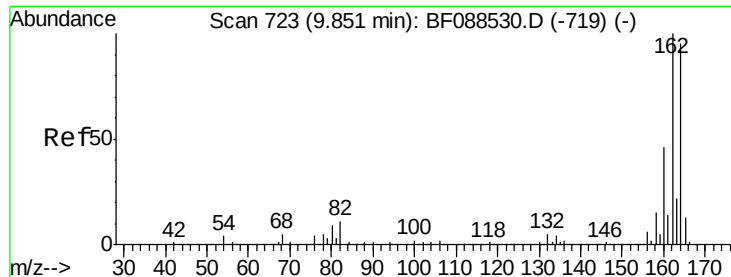
Tot Ion:107 Resp: 362623
 Ion Ratio Lower Upper
 107 100
 144 26.0 20.8 31.2
 142 78.9 63.4 95.2



#37
 2-Methylnaphthalene
 Concen: 47.14 ng
 RT: 8.79 min Scan# 630
 Delta R.T. -0.02 min
 Lab File: BF088647.D
 Acq: 3 Jul 2016 14:06

Tgt Ion:142 Resp: 722738
 Ion Ratio Lower Upper
 142 100
 141 89.6 71.0 106.6
 115 36.4 22.6 33.8#

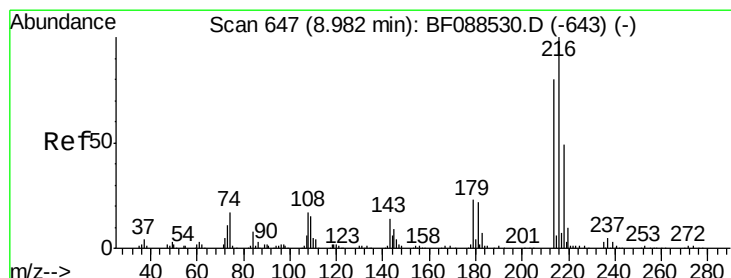
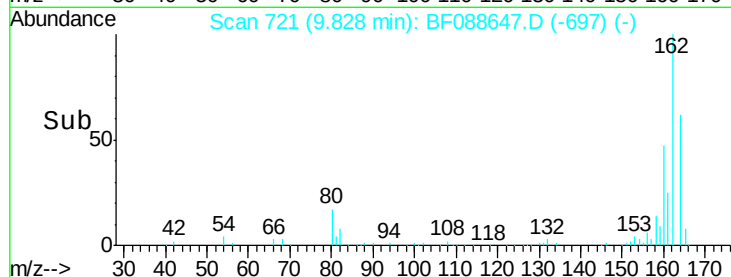
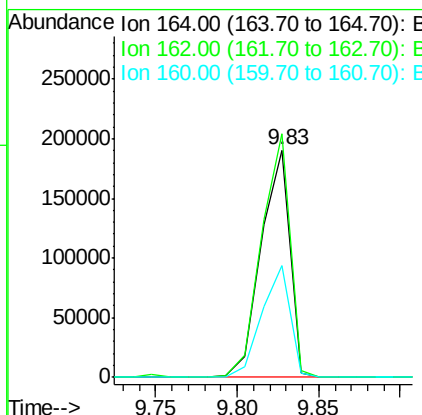
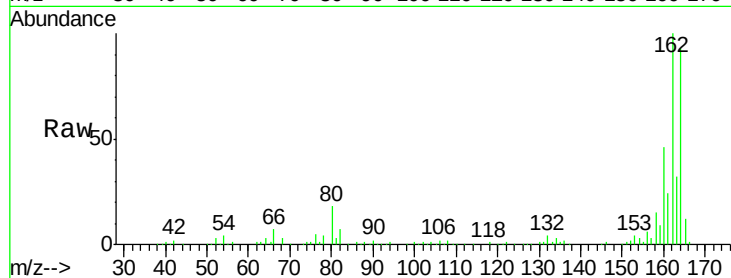




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.83 min Scan# 721
Delta R.T. -0.02 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

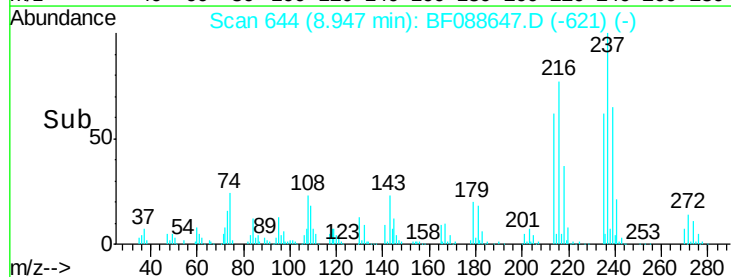
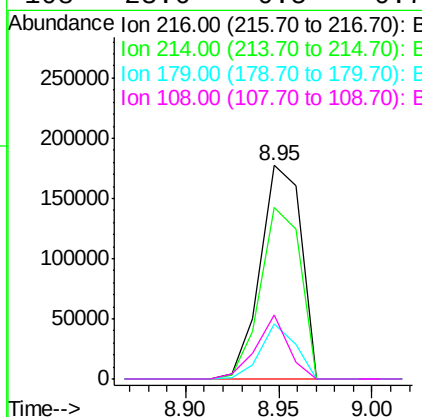
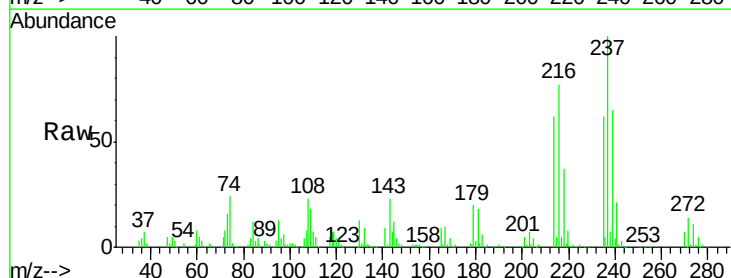
Instrument :
BNA_F
ClientSampleId :

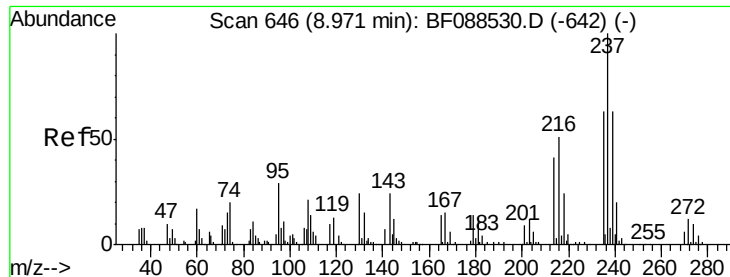
Tot Ion:164 Resp: 234188
Ion Ratio Lower Upper
164 100
162 107.0 85.4 128.2
160 48.9 39.5 59.3



#39
1,2,4,5-Tetrachlorobenzene
Concen: 34.53 ng
RT: 8.95 min Scan# 644
Delta R.T. -0.03 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

Tgt Ion:216 Resp: 268995
Ion Ratio Lower Upper
216 100
214 78.7 2.9 4.3#
179 22.2 0.0 0.0#
108 23.6 0.5 0.7#

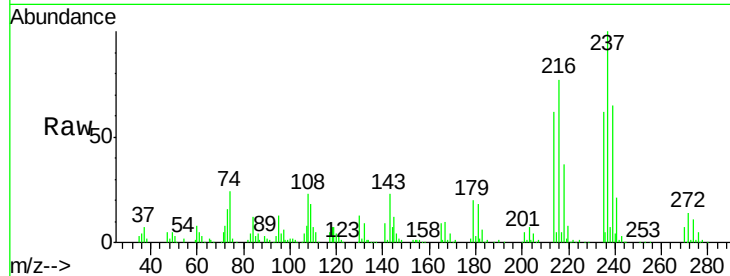




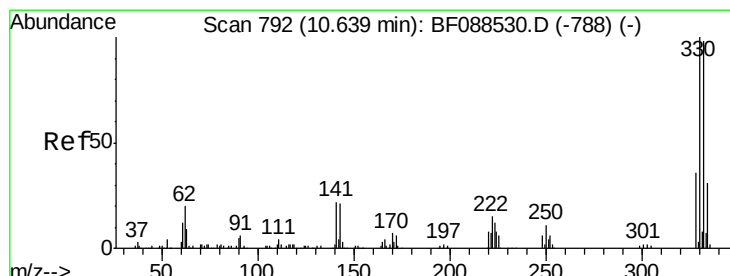
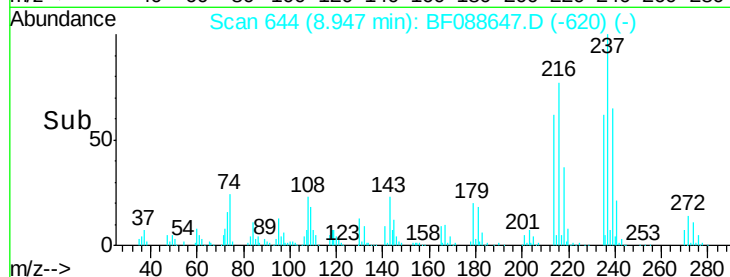
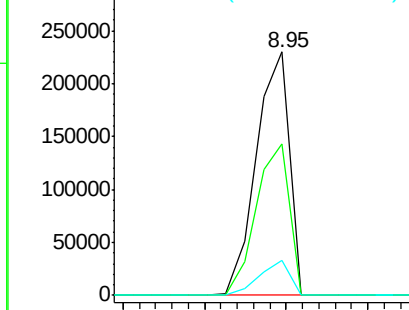
#40
Hexachlorocyclopentadiene
Concen: 84.52 ng
RT: 8.95 min Scan# 644
Delta R.T. -0.02 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:237 Resp: 323126
Ion Ratio Lower Upper
237 100
235 62.4 43.4 83.4
272 14.2 0.0 32.3

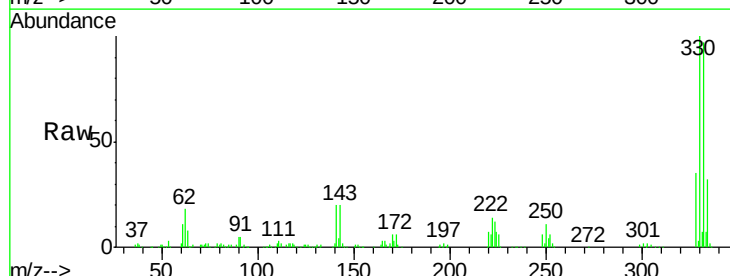


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

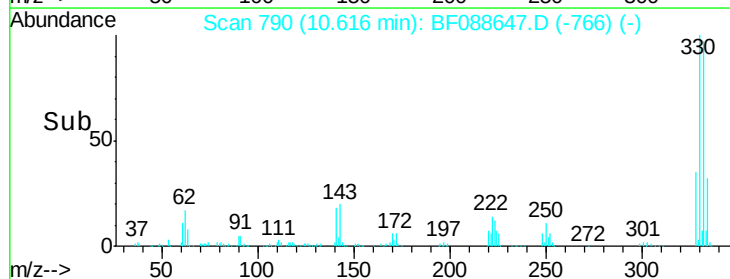
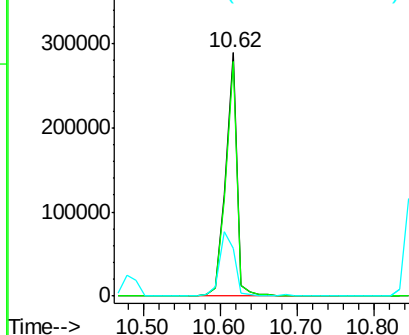


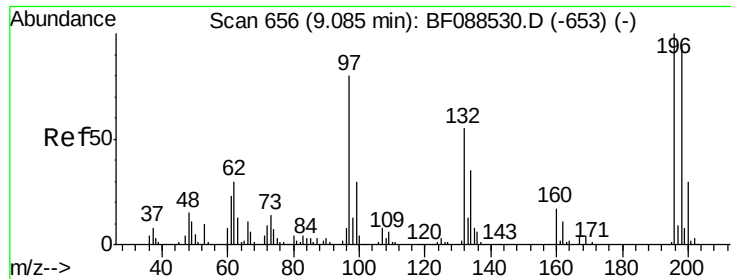
#41
2,4,6-Tribromophenol
Concen: 140.93 ng
RT: 10.62 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

Tgt Ion:330 Resp: 306481
Ion Ratio Lower Upper
330 100
332 96.3 0.0 0.0#
141 34.2 0.0 0.0#



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

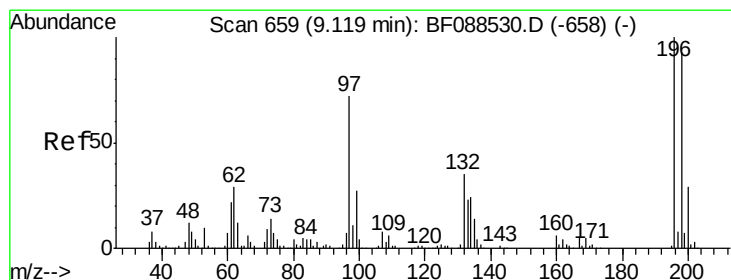
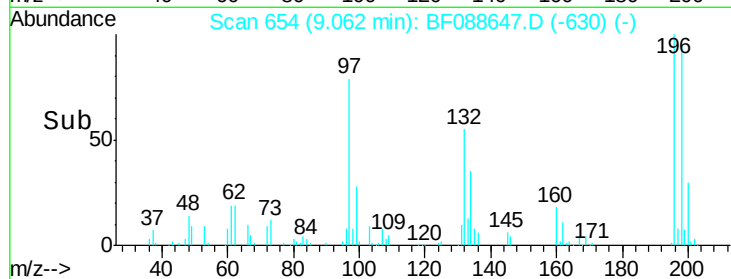
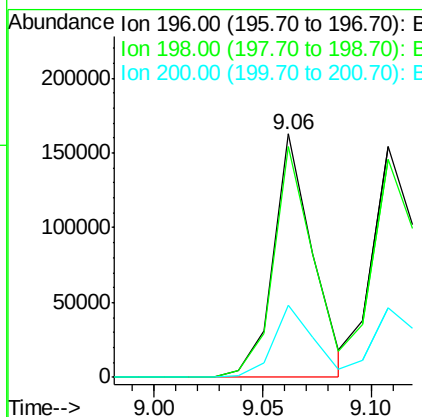
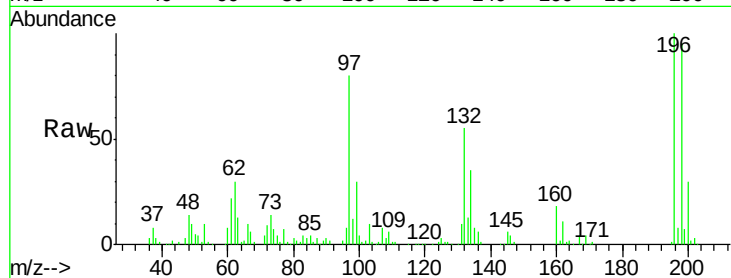




#42
 2,4,6-Trichlorophenol
 Concen: 39.94 ng
 RT: 9.06 min Scan# 654
 Delta R.T. -0.02 min
 Lab File: BF088647.D
 Acq: 3 Jul 2016 14:06

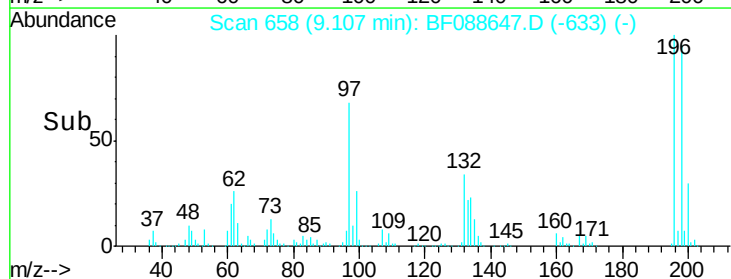
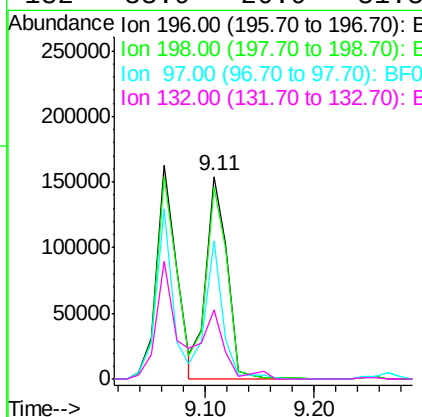
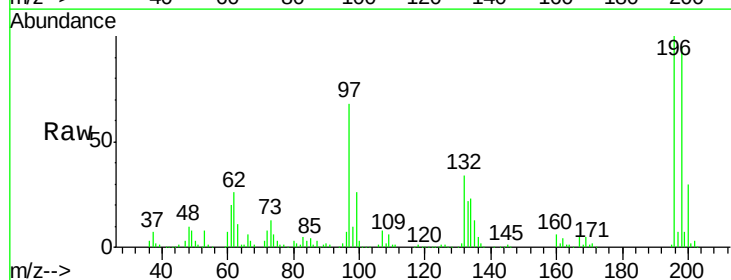
Instrument :
 BNA_F
 ClientSampleId :

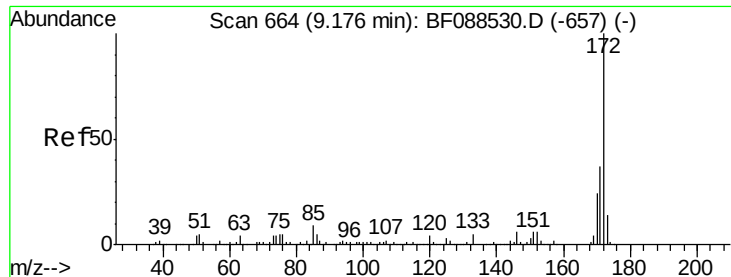
Tot Ion:196 Resp: 205130
 Ion Ratio Lower Upper
 196 100
 198 94.9 78.0 117.0
 200 29.7 25.4 38.2



#43
 2,4,5-Trichlorophenol
 Concen: 47.29 ng
 RT: 9.11 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: BF088647.D
 Acq: 3 Jul 2016 14:06

Tgt Ion:196 Resp: 208966
 Ion Ratio Lower Upper
 196 100
 198 94.6 77.5 116.3
 97 68.0 32.0 48.0#
 132 33.9 20.9 31.3#





#44

2-Fluorobiphenyl

Concen: 87.12 ng

RT: 9.15 min Scan# 662

Delta R.T. -0.02 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

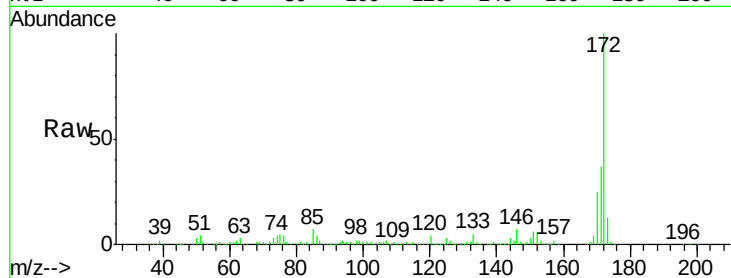
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 1291697

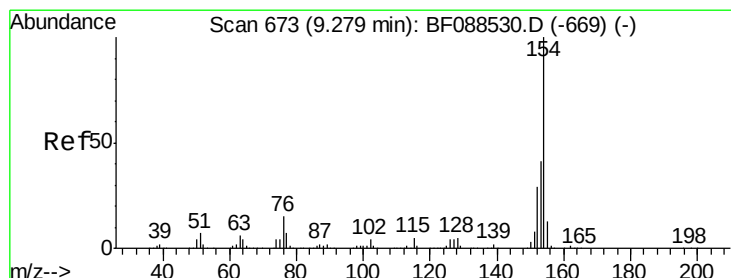
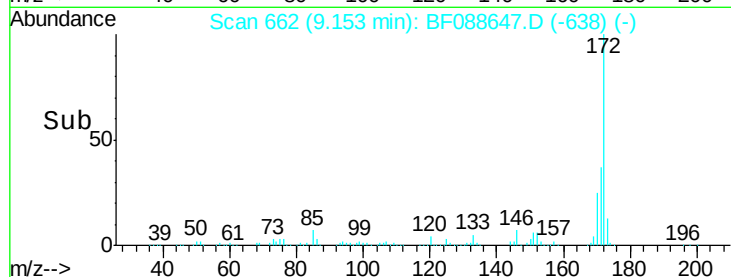
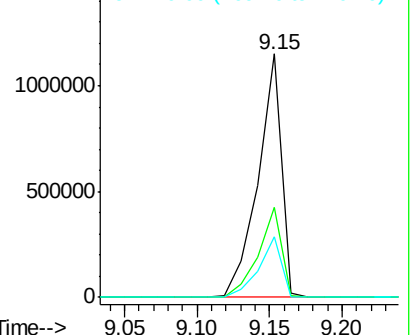
Ion	Ratio	Lower	Upper
172	100		
171	37.1	28.6	43.0
170	24.8	19.2	28.8



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: 40.42 ng

RT: 9.24 min Scan# 670

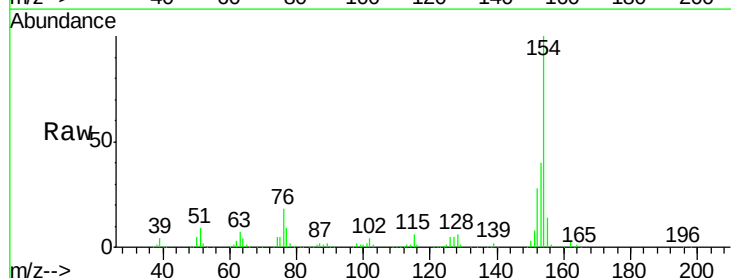
Delta R.T. -0.03 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

Tgt Ion:154 Resp: 783888

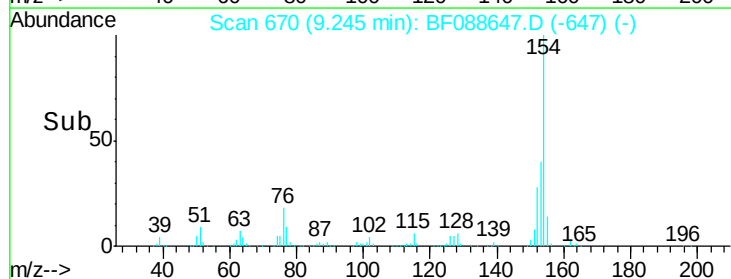
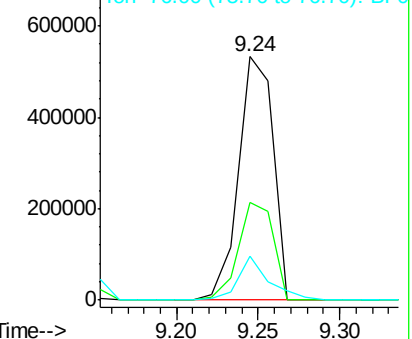
Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.6	60.6
76	18.0	0.0	35.1

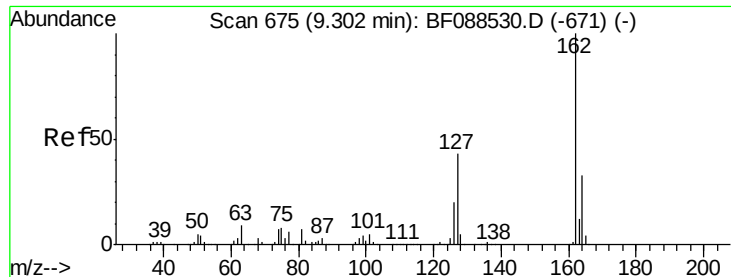


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

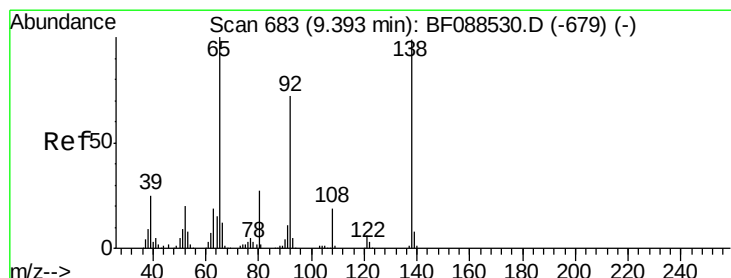
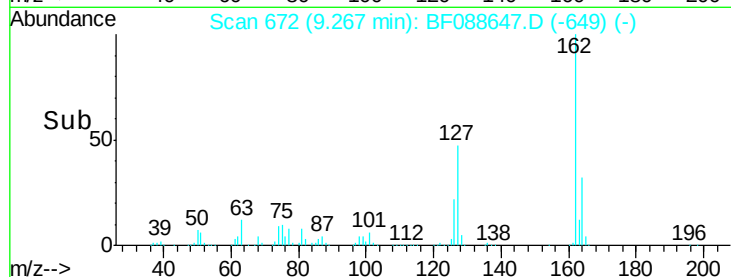
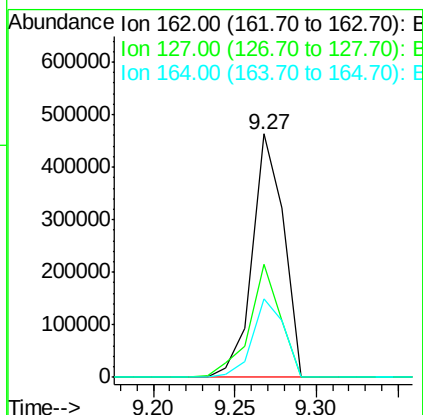
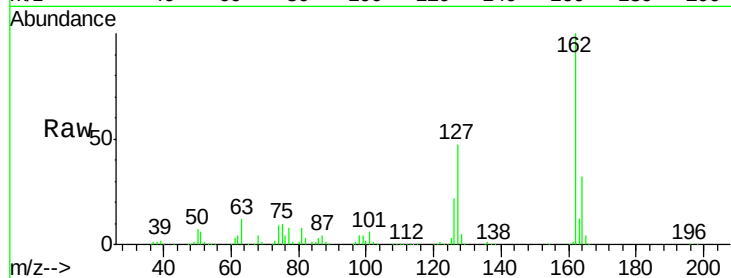




#46
2-Chloronaphthalene
Concen: 40.36 ng
RT: 9.27 min Scan# 672
Delta R.T. -0.03 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

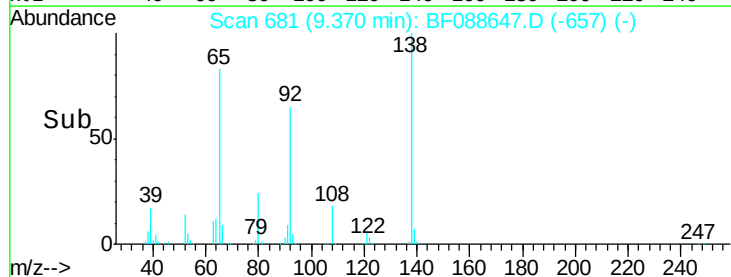
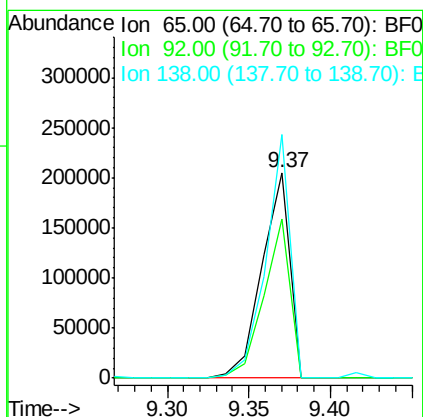
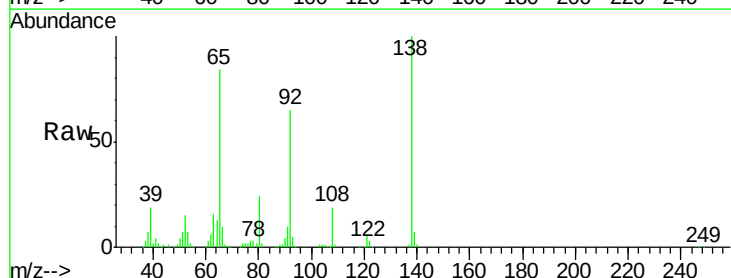
Instrument :
BNA_F
ClientSampleId :

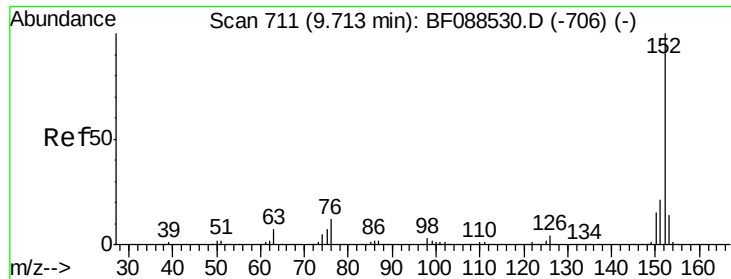
Tot Ion:162 Resp: 614415
Ion Ratio Lower Upper
162 100
127 46.6 35.2 52.8
164 32.3 26.6 39.8



#47
2-Nitroaniline
Concen: 44.99 ng
RT: 9.37 min Scan# 681
Delta R.T. -0.02 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

Tgt Ion: 65 Resp: 243063
Ion Ratio Lower Upper
65 100
92 77.4 54.6 82.0
138 118.4 77.0 115.4#





#48

Acenaphthylene

Concen: 44.13 ng

RT: 9.69 min Scan# 709

Delta R.T. -0.02 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

Instrument :

BNA_F

ClientSampled :

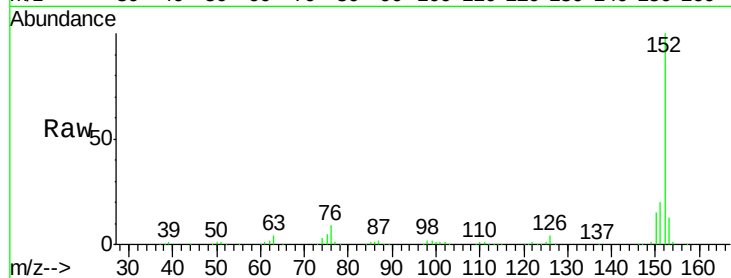
Tot Ion:152 Resp: 1069077

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.4

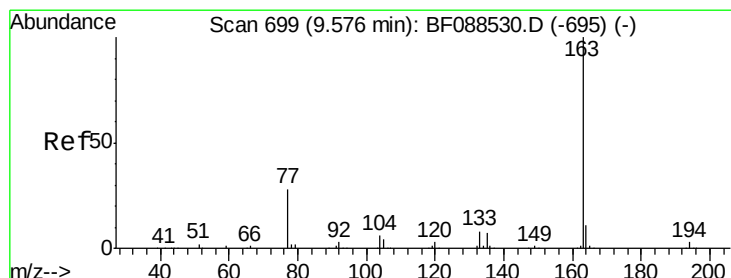
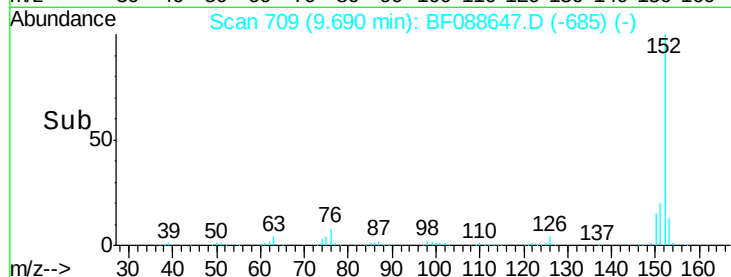
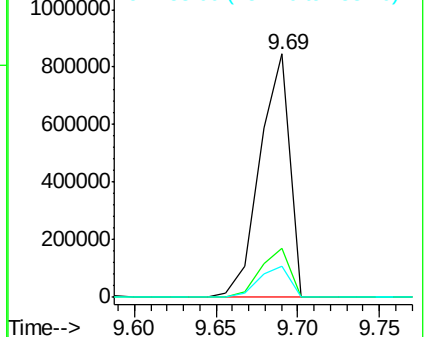
153 12.8 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 40.86 ng

RT: 9.55 min Scan# 697

Delta R.T. -0.02 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

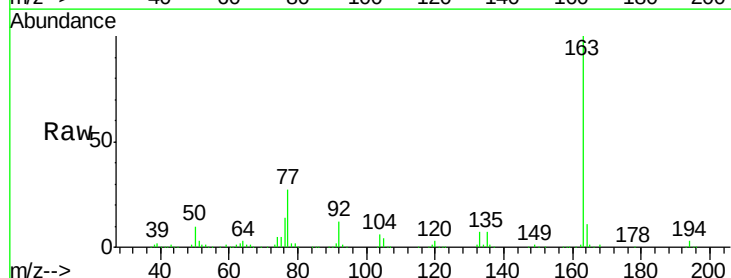
Tgt Ion:163 Resp: 681798

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

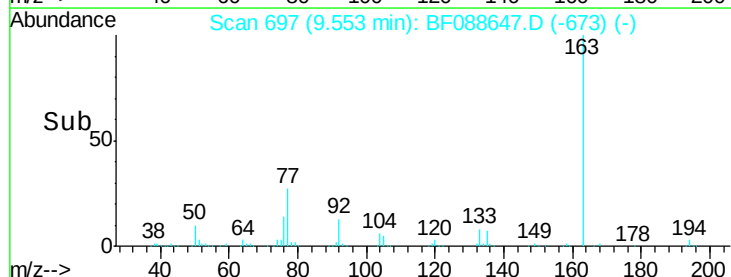
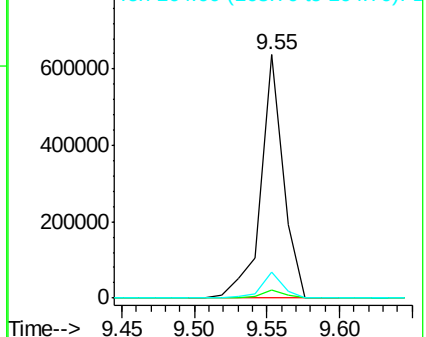
164 10.5 8.3 12.5

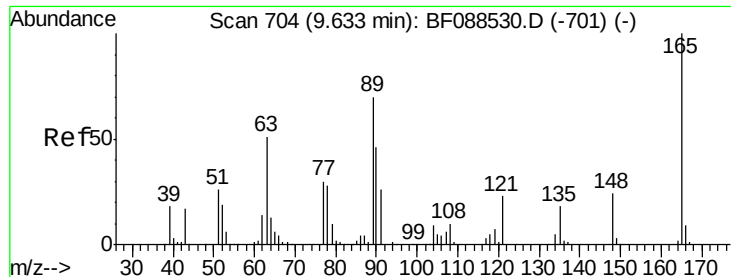


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

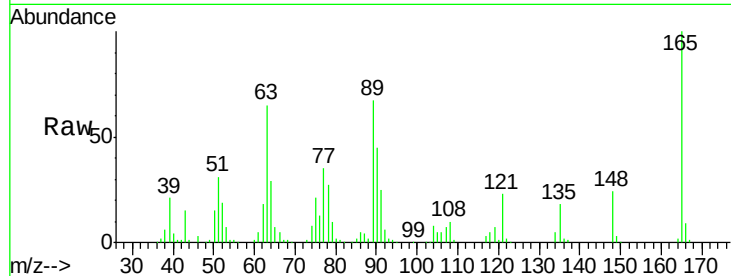




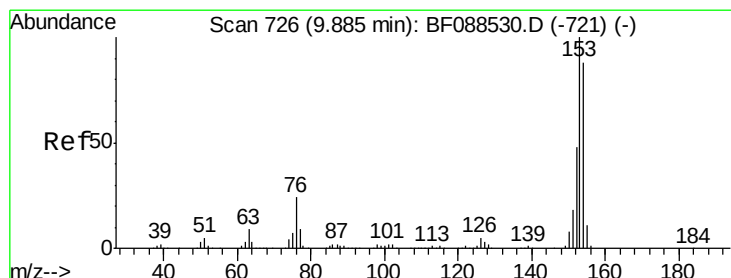
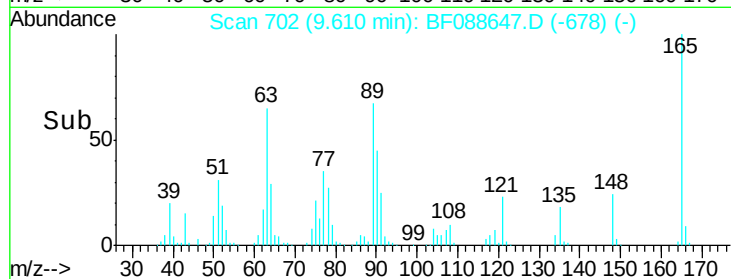
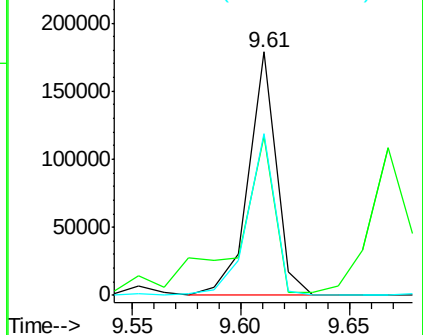
#50
2,6-Dinitrotoluene
Concen: 43.08 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.02 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

Instrument :
BNA_F
ClientSampled :

Tot Ion:165 Resp: 159303
Ion Ratio Lower Upper
165 100
63 65.4 28.1 42.1#
89 66.5 32.2 48.2#

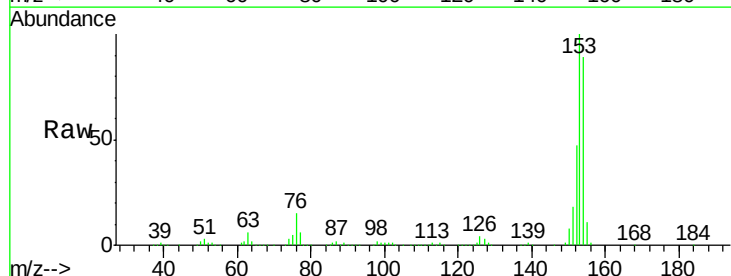


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

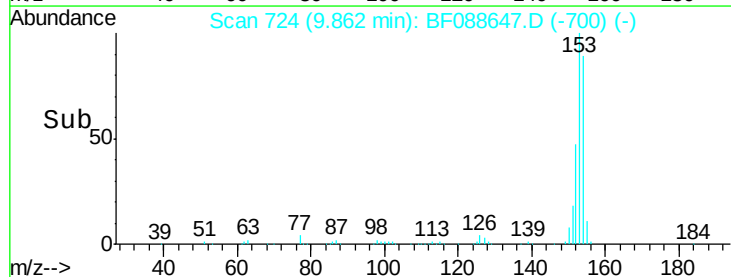
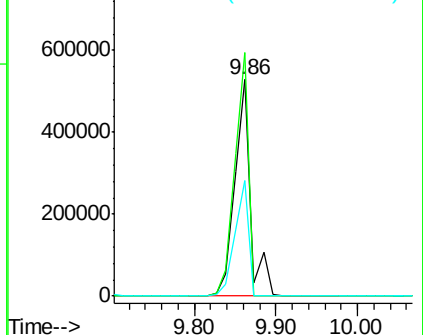


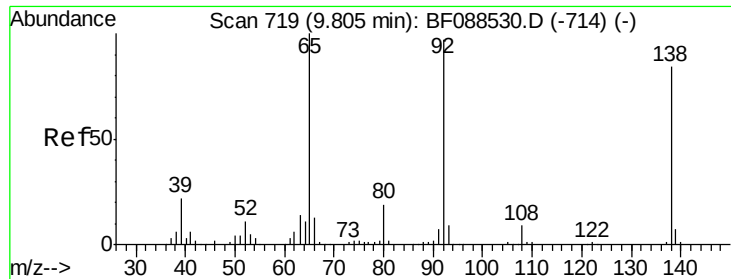
#51
Acenaphthene
Concen: 48.06 ng
RT: 9.86 min Scan# 724
Delta R.T. -0.02 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

Tgt Ion:154 Resp: 713567
Ion Ratio Lower Upper
154 100
153 112.5 89.5 134.3
152 53.3 42.7 64.1



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: 18.03 ng

RT: 9.77 min Scan# 716

Delta R.T. -0.03 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

Instrument :

BNA_F

ClientSampled :

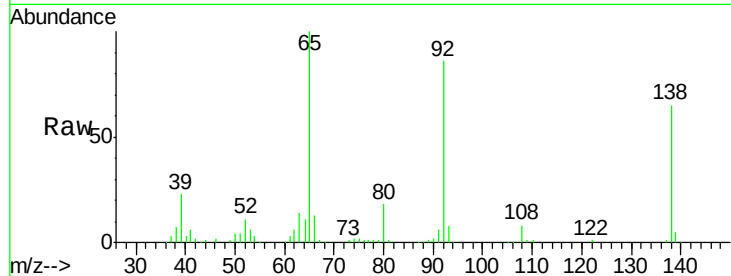
Tot Ion:138 Resp: 84759

Ion Ratio Lower Upper

138 100

108 11.7 8.5 12.7

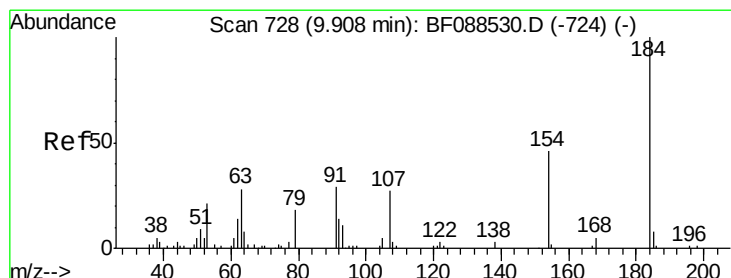
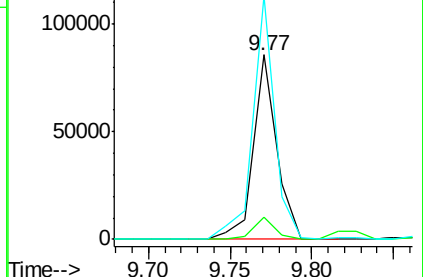
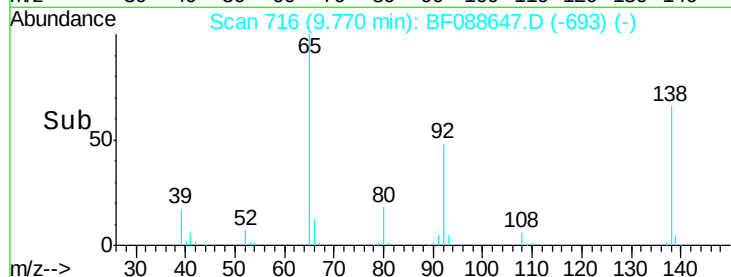
92 132.2 95.7 143.5



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: 89.35 ng

RT: 9.88 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

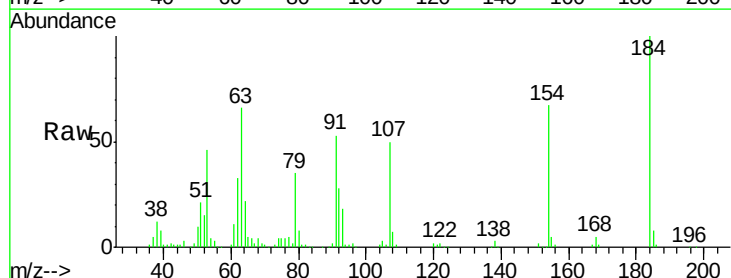
Tgt Ion:184 Resp: 145880

Ion Ratio Lower Upper

184 100

63 65.6 57.6 86.4

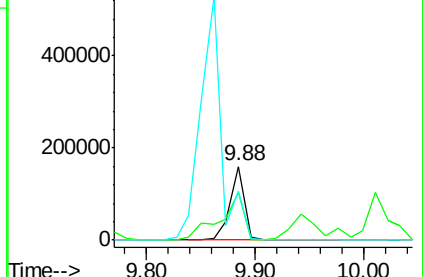
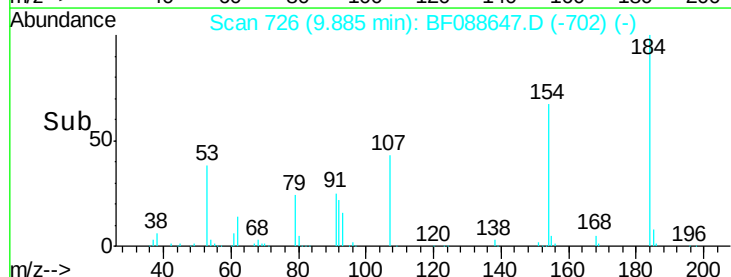
154 67.2 53.5 80.3

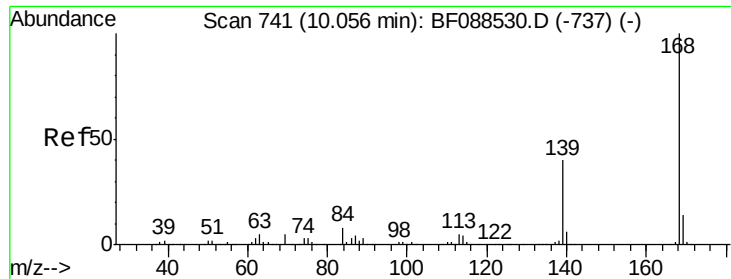


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

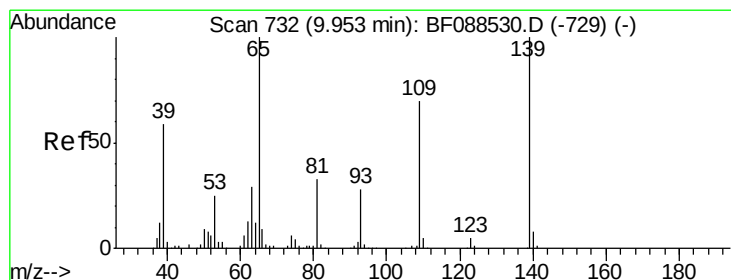
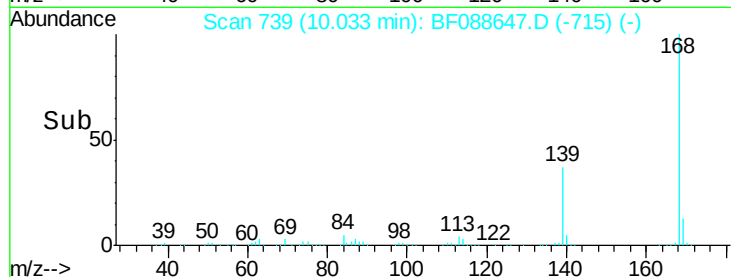
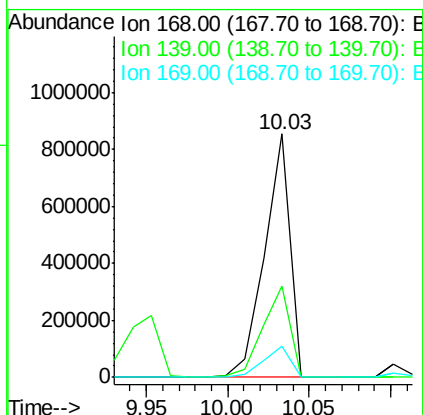
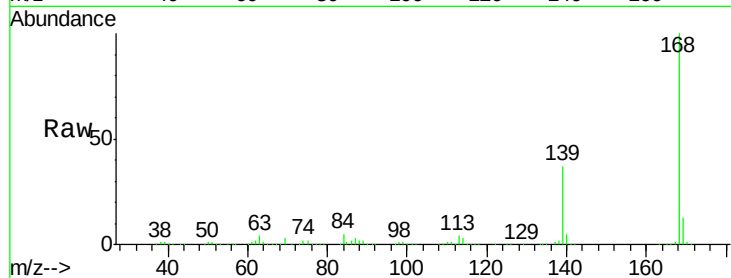




#54
Dibenzenofuran
Concen: 47.73 ng
RT: 10.03 min Scan# 739
Delta R.T. -0.02 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

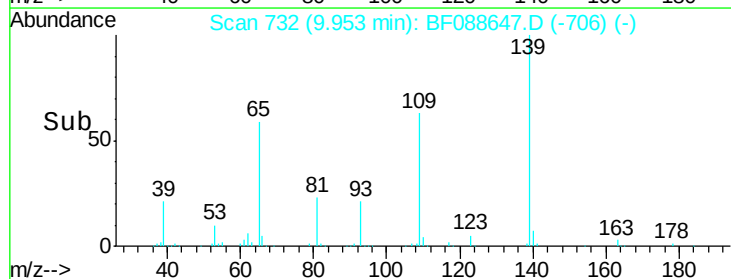
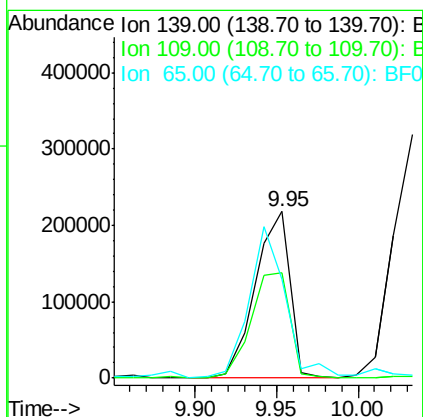
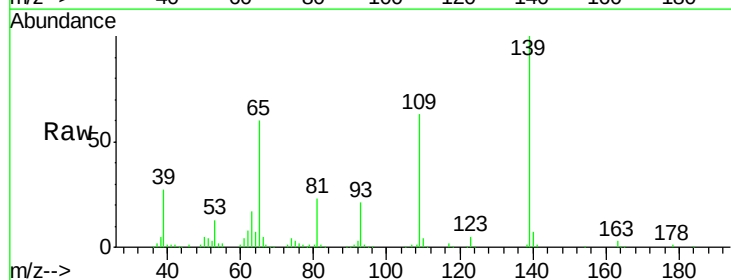
Instrument :
BNA_F
ClientSampled :

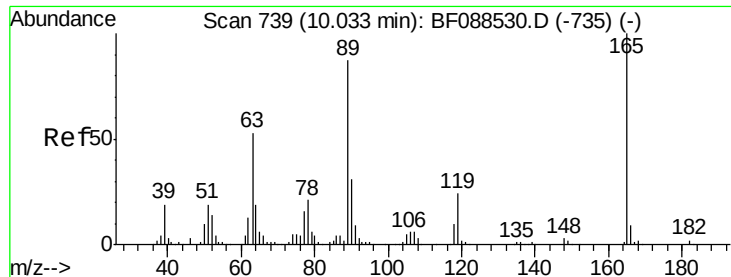
Tot Ion:168 Resp: 927607
Ion Ratio Lower Upper
168 100
139 37.3 26.4 39.6
169 13.0 10.4 15.6



#55
4-Nitrophenol
Concen: 90.74 ng
RT: 9.95 min Scan# 732
Delta R.T. -0.00 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

Tgt Ion:139 Resp: 324129
Ion Ratio Lower Upper
139 100
109 63.3 48.9 88.9
65 59.8 84.9 124.9#





#56

2,4-Dinitrotoluene

Concen: 42.14 ng

RT: 10.01 min Scan# 737

Delta R.T. -0.02 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 203726

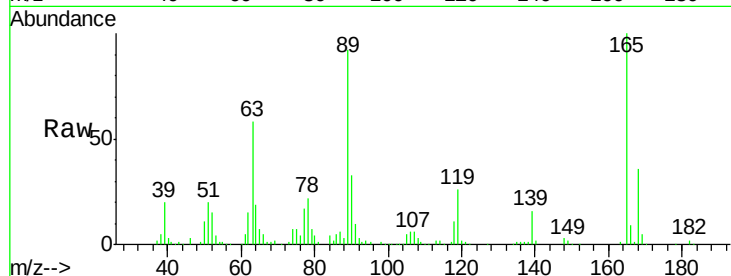
Ion Ratio Lower Upper

165 100

63 57.6 22.0 33.0#

89 91.6 41.1 61.7#

182 2.3 2.0 3.0

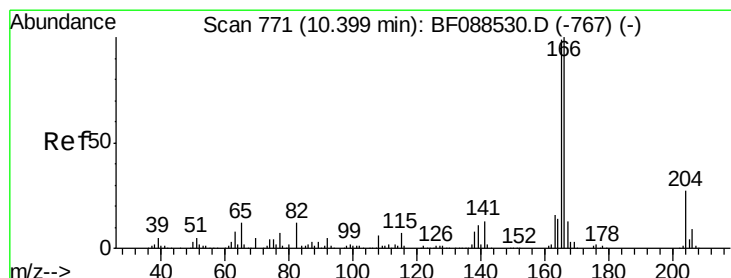
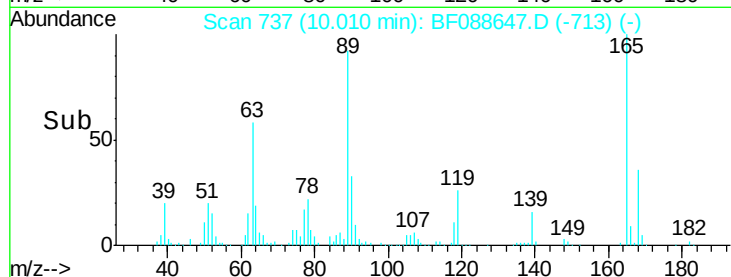
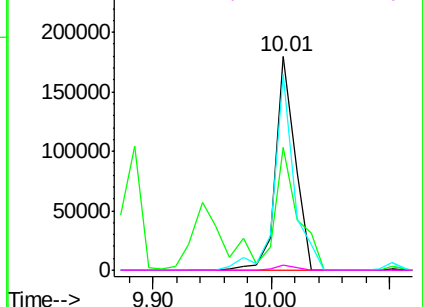


Abundance Ion 165.00 (164.70 to 165.70): E

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: 42.74 ng

RT: 10.38 min Scan# 769

Delta R.T. -0.02 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

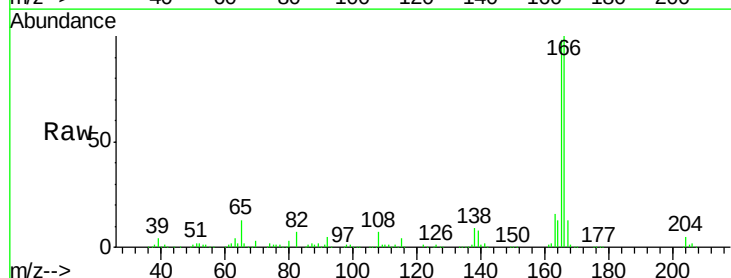
Tgt Ion:166 Resp: 640102

Ion Ratio Lower Upper

166 100

165 98.1 77.8 116.8

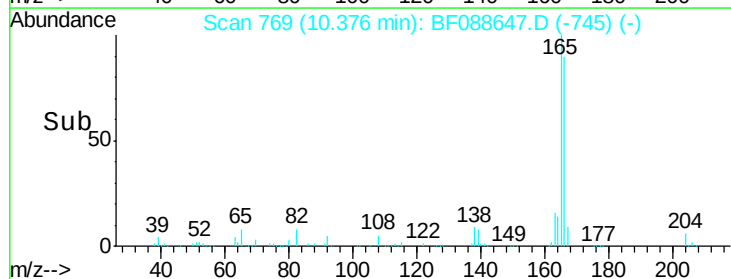
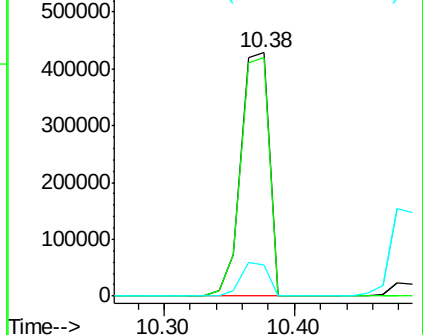
167 12.8 11.2 16.8

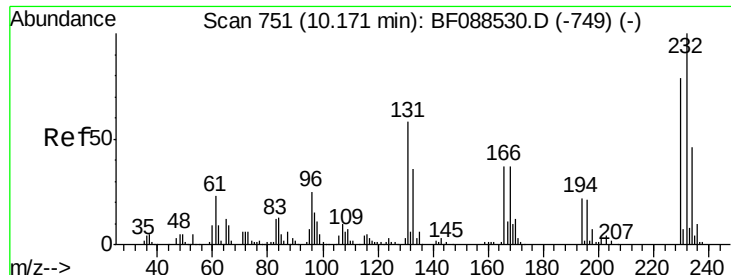


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

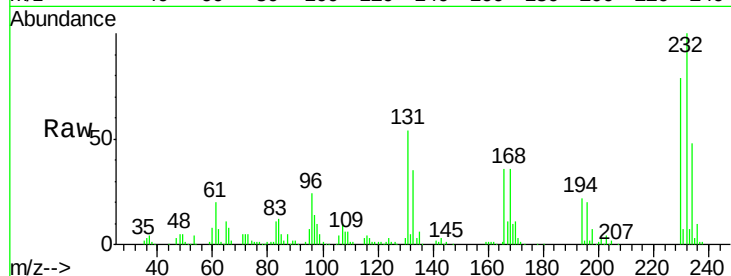




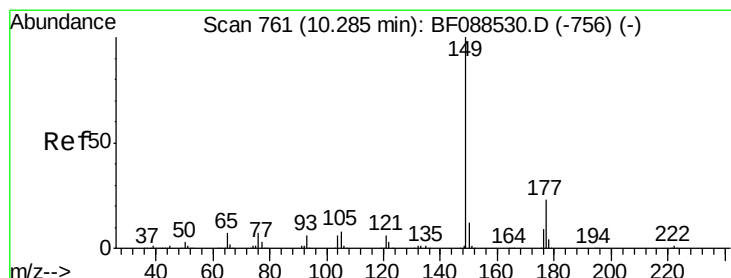
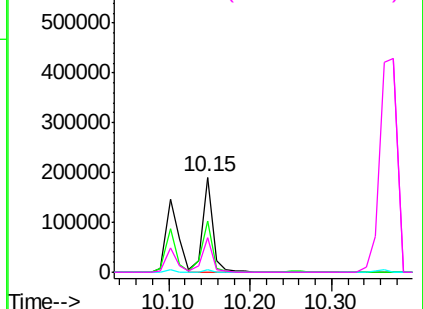
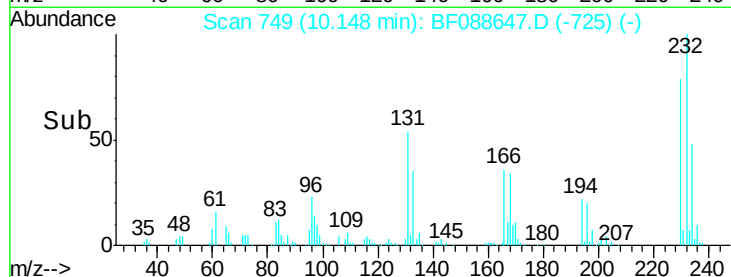
#58
2,3,4,6-Tetrachlorophenol
Concen: 50.41 ng
RT: 10.15 min Scan# 749
Delta R.T. -0.02 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:232 Resp: 172331
Ion Ratio Lower Upper
232 100
131 56.0 0.9 1.3#
130 2.7 1.5 2.3#
166 35.9 0.5 0.7#

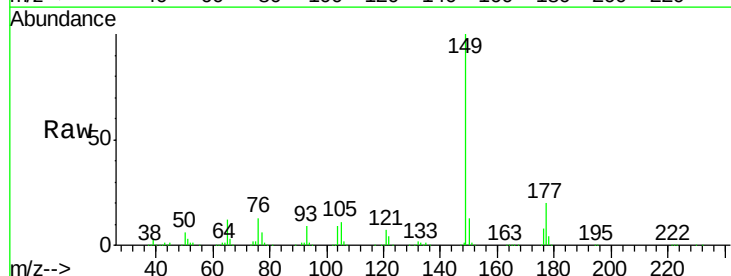


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

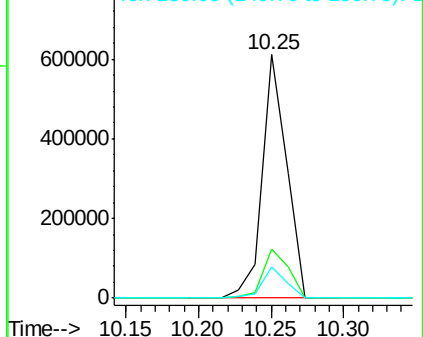
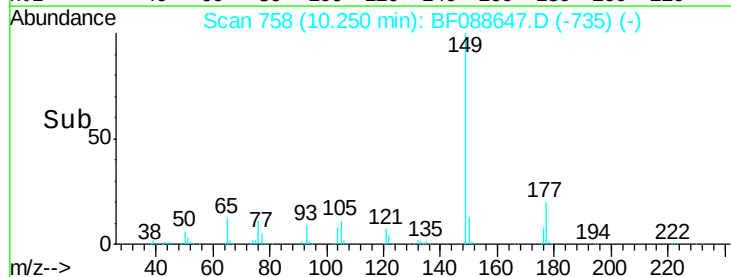


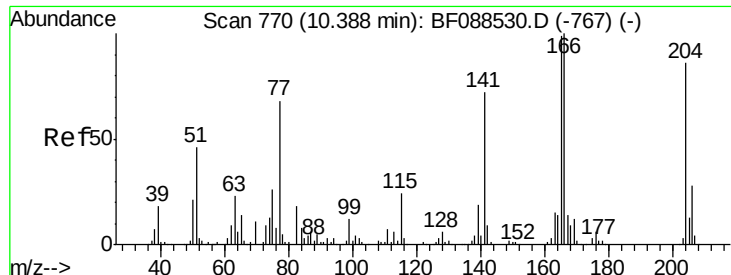
#59
Diethylphthalate
Concen: 42.24 ng
RT: 10.25 min Scan# 758
Delta R.T. -0.03 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

Tgt Ion:149 Resp: 707300
Ion Ratio Lower Upper
149 100
177 19.9 16.9 25.3
150 12.9 10.1 15.1



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

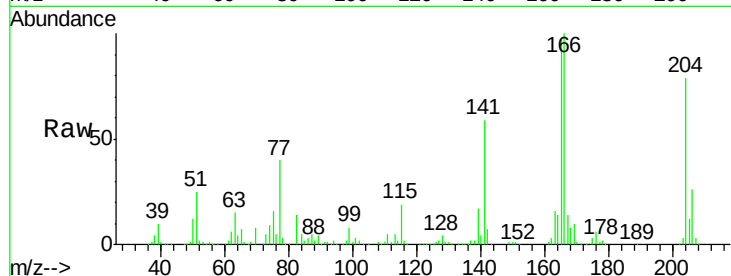




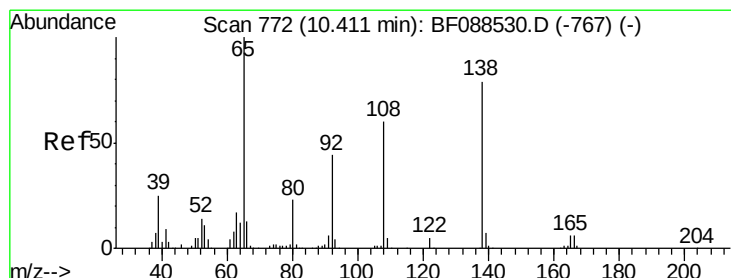
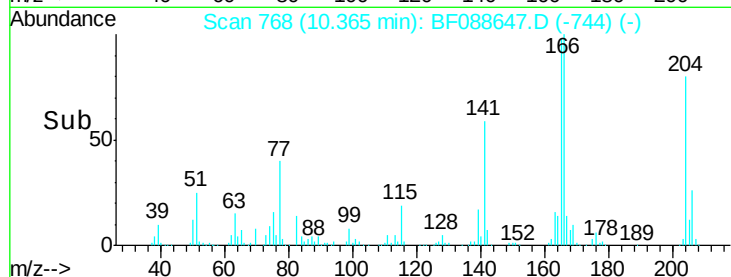
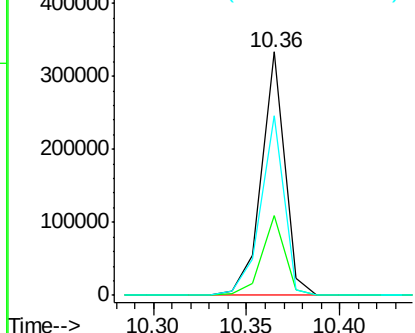
#60
 4-Chlorophenyl-phenylether
 Concen: 41.05 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.02 min
 Lab File: BF088647.D
 Acq: 3 Jul 2016 14:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:204 Resp: 285686
 Ion Ratio Lower Upper
 204 100
 206 33.0 26.3 39.5
 141 73.9 55.0 82.6

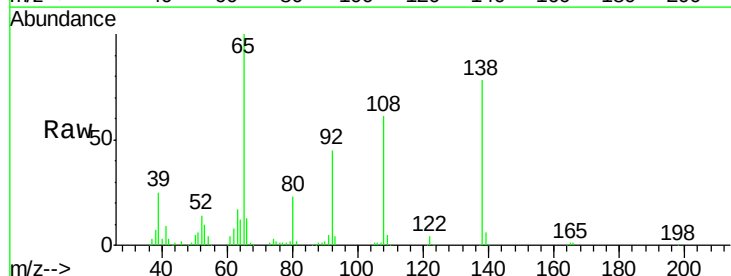


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

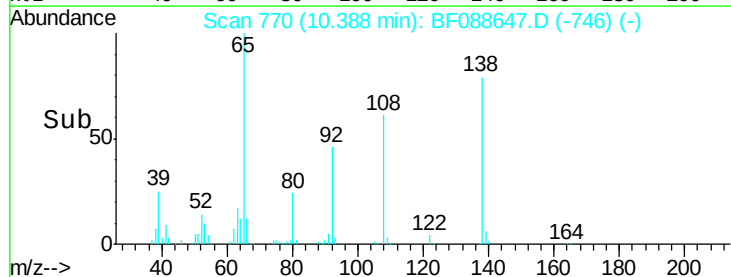
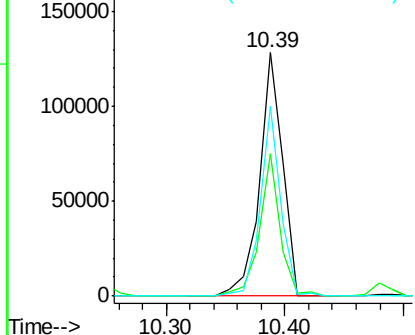


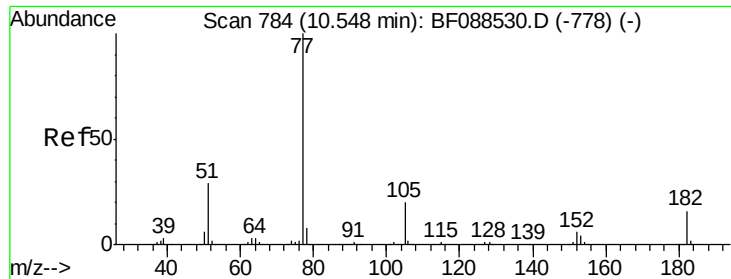
#61
 4-Nitroaniline
 Concen: 38.23 ng
 RT: 10.39 min Scan# 770
 Delta R.T. -0.02 min
 Lab File: BF088647.D
 Acq: 3 Jul 2016 14:06

Tgt Ion:138 Resp: 172937
 Ion Ratio Lower Upper
 138 100
 92 58.3 27.3 67.3
 108 78.1 46.7 86.7



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 108.00 (107.70 to 108.70): E





#62

Azobenzene

Concen: 46.07 ng

RT: 10.52 min Scan# 782

Delta R.T. -0.02 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 879888

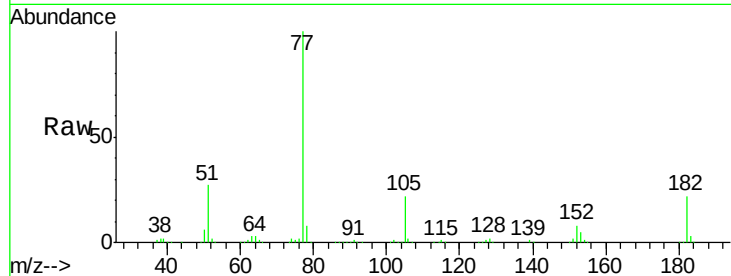
Ion Ratio Lower Upper

77 100

182 22.4 4.4 44.4

105 22.4 3.8 43.8

51 26.7 9.3 49.3

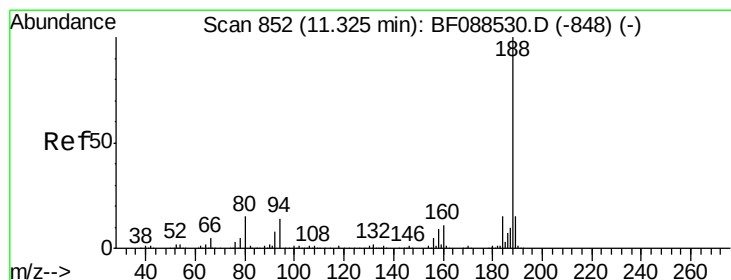
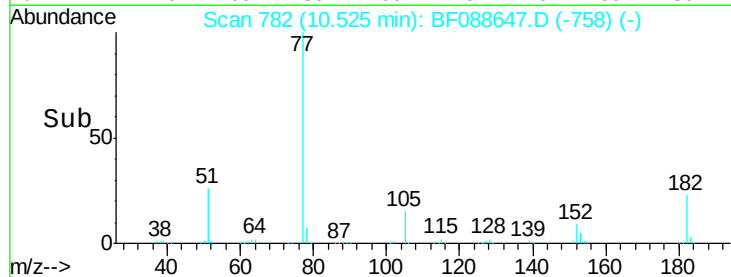
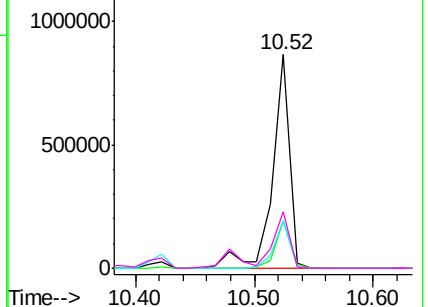


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 850

Delta R.T. -0.02 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

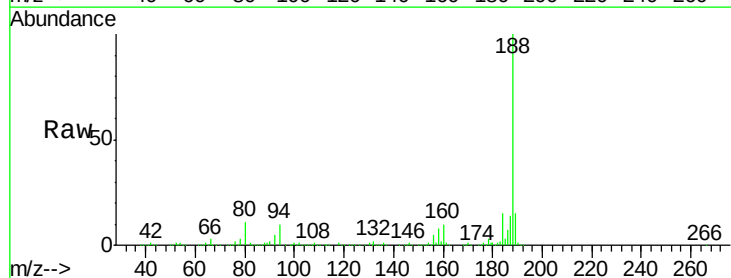
Tgt Ion: 188 Resp: 452136

Ion Ratio Lower Upper

188 100

94 9.6 9.0 13.6

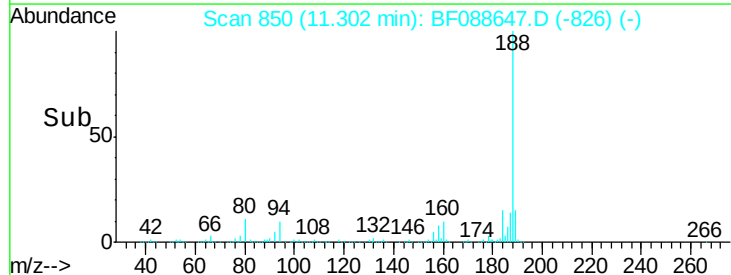
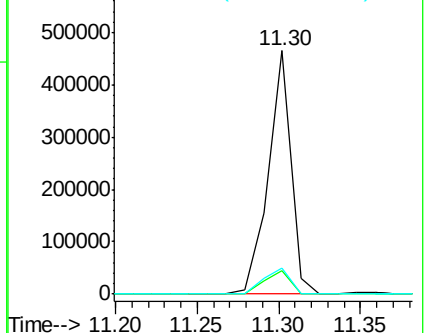
80 10.5 10.0 15.0

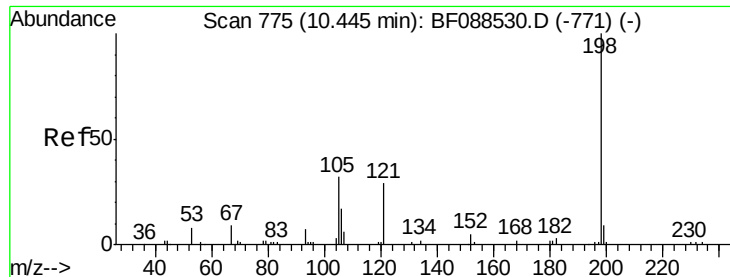


Abundance Ion 188.00 (187.70 to 188.70): E

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: 47.94 ng

RT: 10.42 min Scan# 773

Delta R.T. -0.02 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

Instrument :

BNA_F

ClientSampleId :

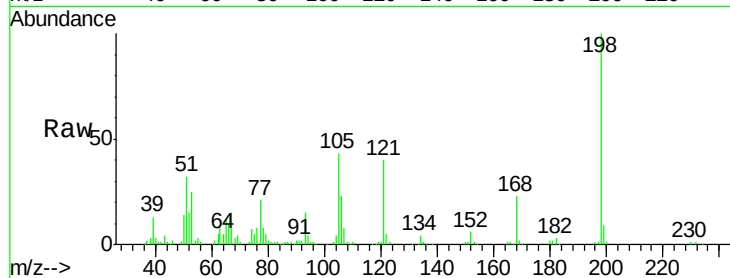
Tot Ion:198 Resp: 115943

Ion Ratio Lower Upper

198 100

51 32.3 39.6 79.6#

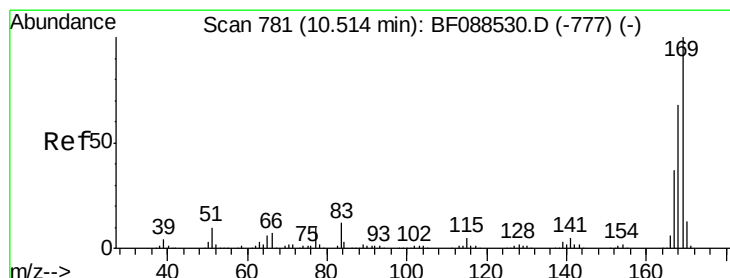
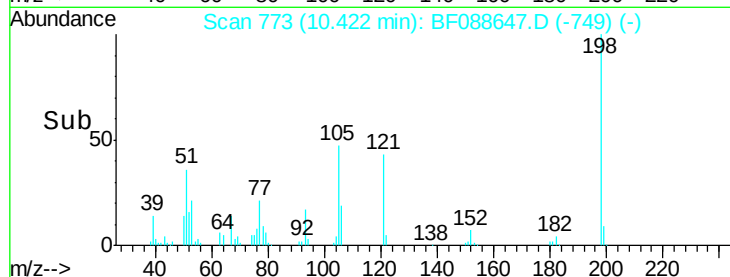
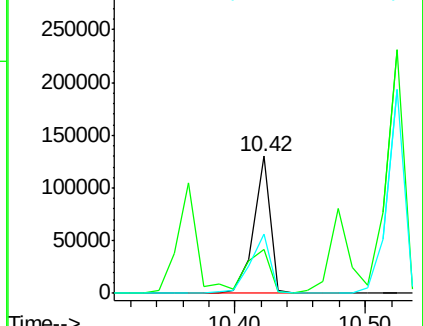
105 43.0 36.6 76.6



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: 39.90 ng

RT: 10.48 min Scan# 778

Delta R.T. -0.03 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

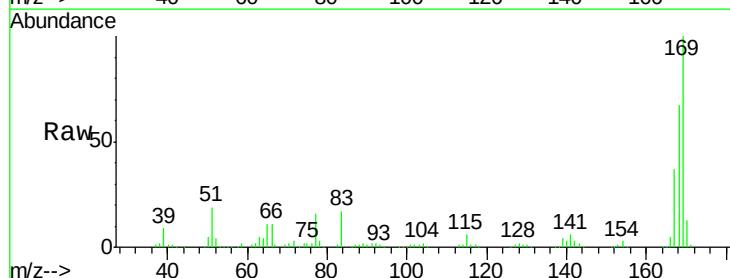
Tgt Ion:169 Resp: 610537

Ion Ratio Lower Upper

169 100

168 66.8 53.4 80.0

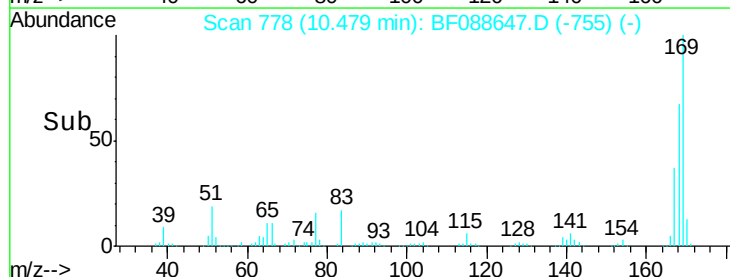
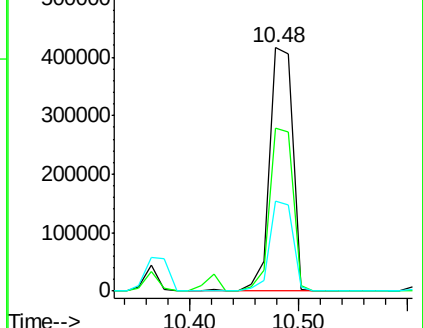
167 36.8 29.4 44.0

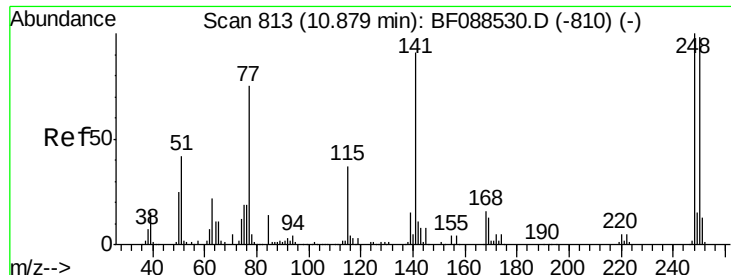


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

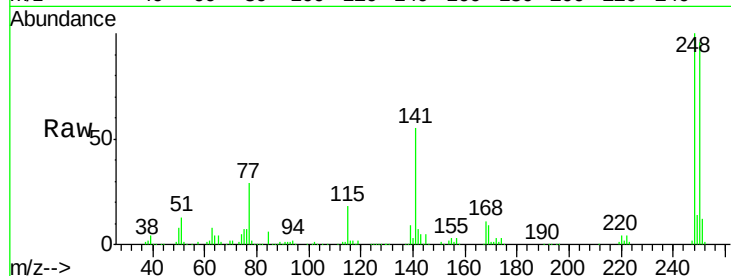




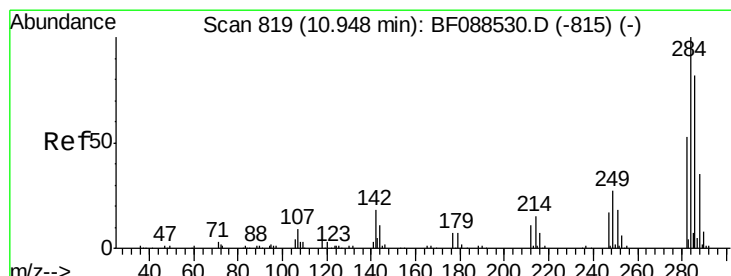
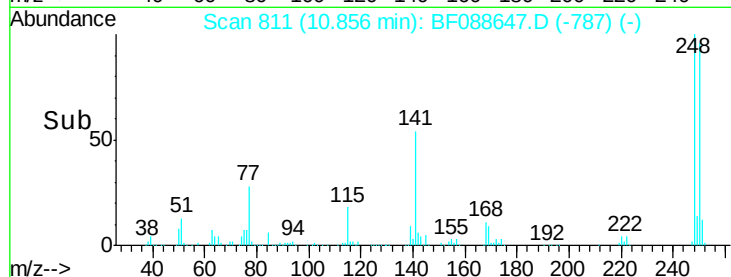
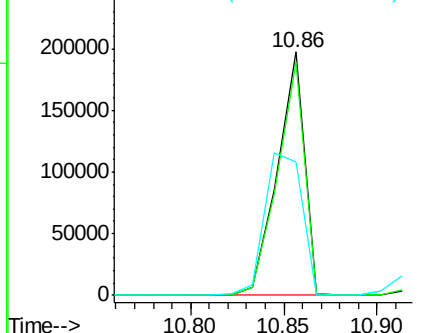
#66
4-Bromophenyl-phenylether
Concen: 43.84 ng
RT: 10.86 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 199736
Ion Ratio Lower Upper
248 100
250 95.9 77.1 115.7
141 54.7 50.6 76.0

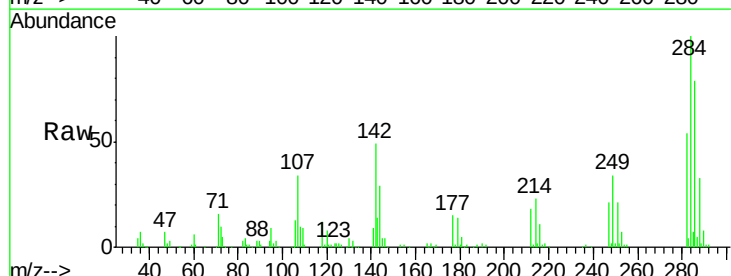


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

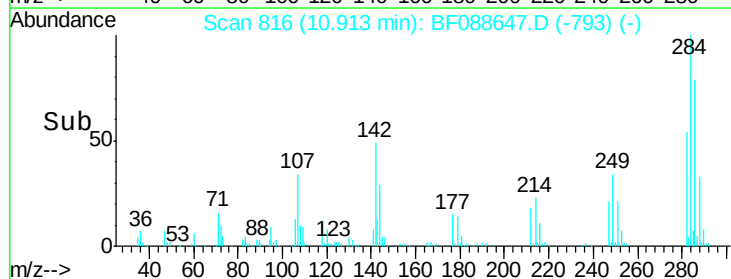
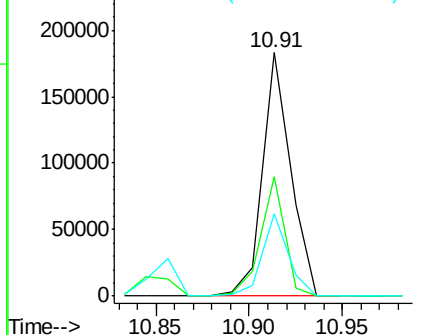


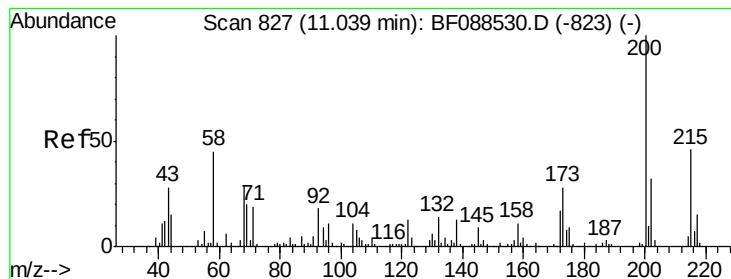
#67
Hexachlorobenzene
Concen: 37.53 ng
RT: 10.91 min Scan# 816
Delta R.T. -0.03 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

Tgt Ion:284 Resp: 189309
Ion Ratio Lower Upper
284 100
142 49.3 35.8 53.8
249 34.0 25.8 38.6



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: 43.58 ng

RT: 11.02 min Scan# 825

Delta R.T. -0.02 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

Instrument :

BNA_F

ClientSampleId :

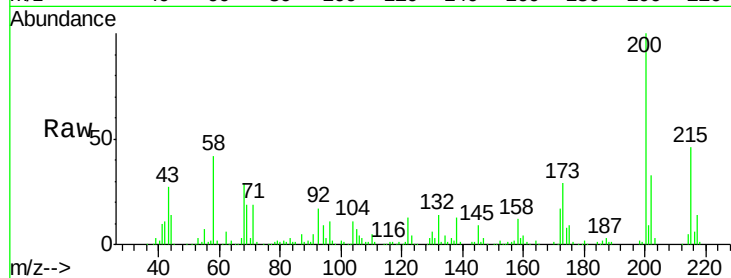
Tot Ion:200 Resp: 207784

Ion Ratio Lower Upper

200 100

173 28.5 4.0 44.0

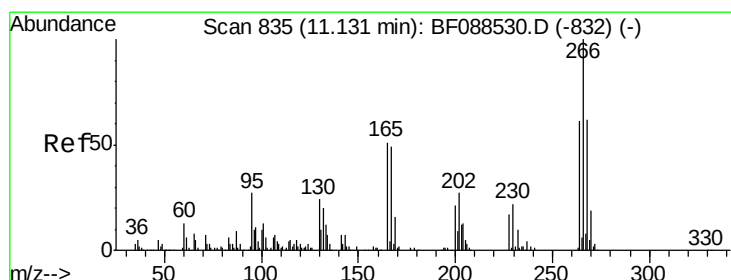
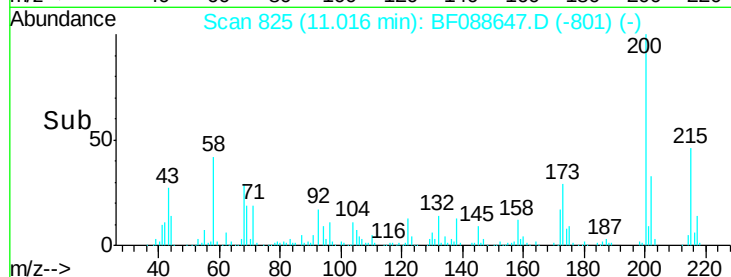
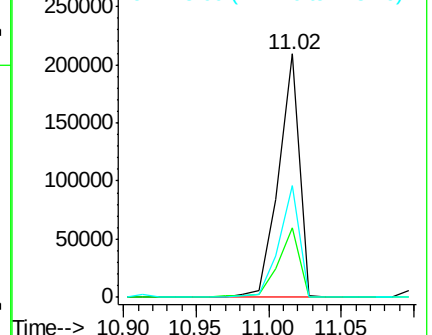
215 45.9 29.3 69.3



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: 74.09 ng

RT: 11.11 min Scan# 833

Delta R.T. -0.02 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

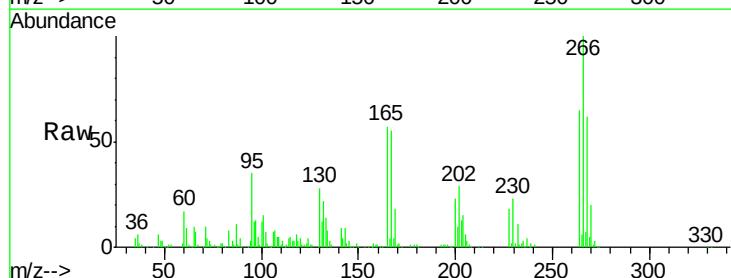
Tgt Ion:266 Resp: 221147

Ion Ratio Lower Upper

266 100

268 62.2 52.8 79.2

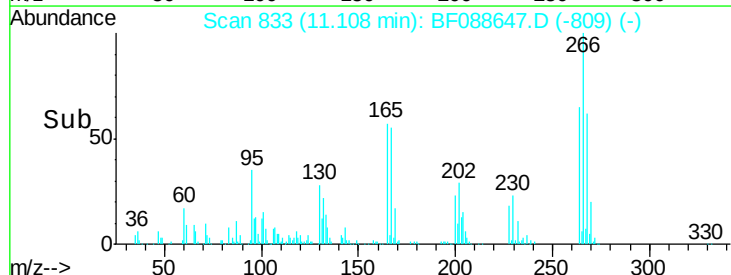
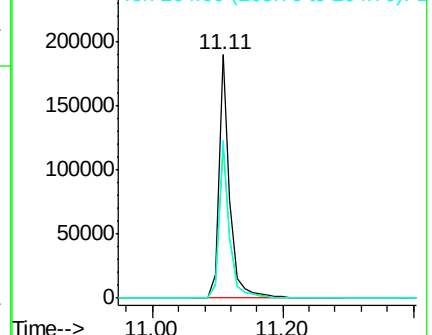
264 64.7 49.6 74.4

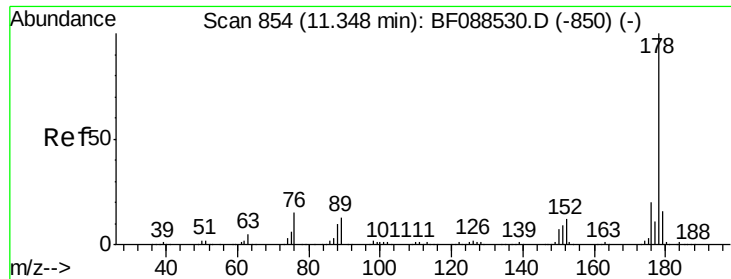


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

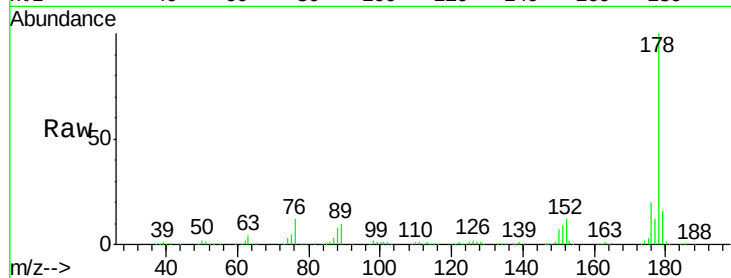




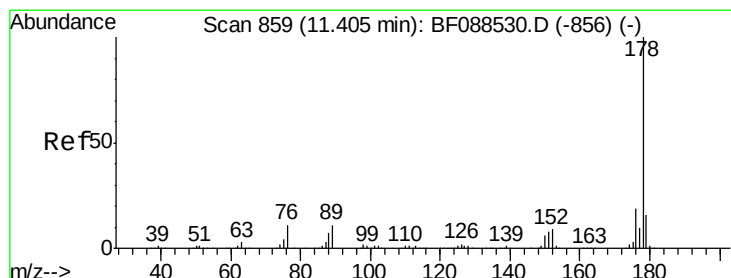
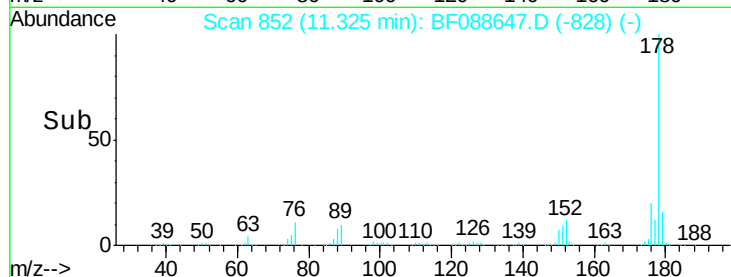
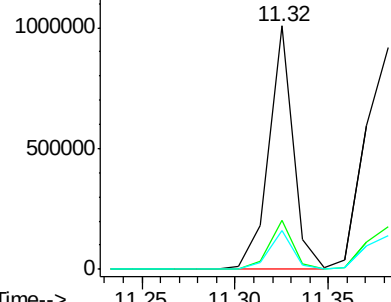
#70
 Phenanthrene
 Concen: 36.96 ng
 RT: 11.32 min Scan# 852
 Delta R.T. -0.02 min
 Lab File: BF088647.D
 Acq: 3 Jul 2016 14:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 913478
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.8 23.6
 179 16.0 13.0 19.4

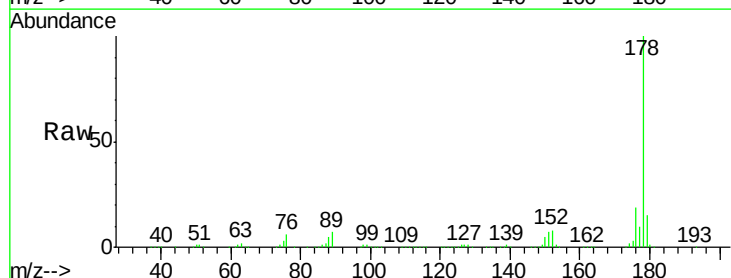


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

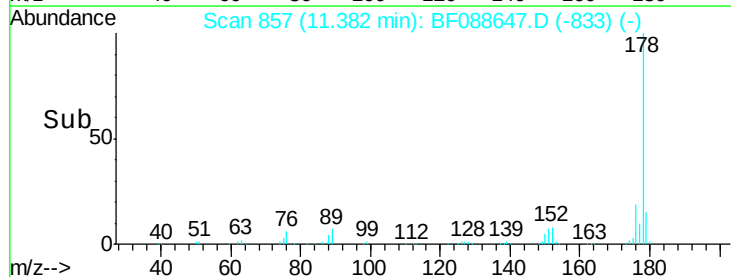
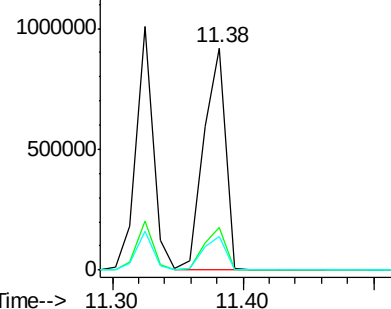


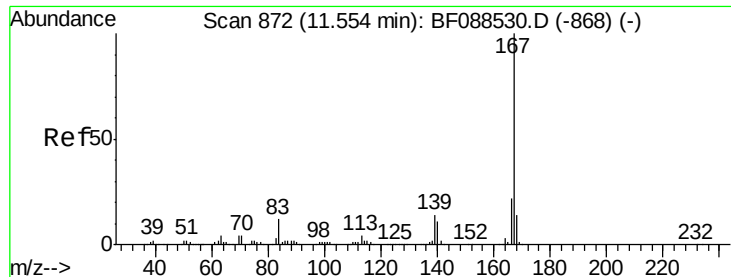
#71
 Anthracene
 Concen: 43.49 ng
 RT: 11.38 min Scan# 857
 Delta R.T. -0.02 min
 Lab File: BF088647.D
 Acq: 3 Jul 2016 14:06

Tgt Ion:178 Resp: 1068777
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.6 23.4
 179 15.3 12.8 19.2



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





#72

Carbazole

Concen: 38.50 ng

RT: 11.53 min Scan# 870

Delta R.T. -0.02 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

Instrument :

BNA_F

ClientSampleId :

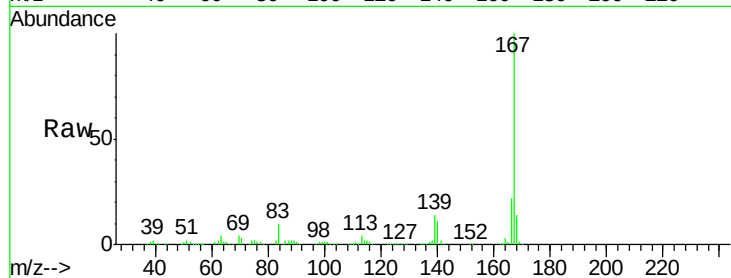
Tot Ion:167 Resp: 890467

Ion Ratio Lower Upper

167 100

166 22.4 17.8 26.6

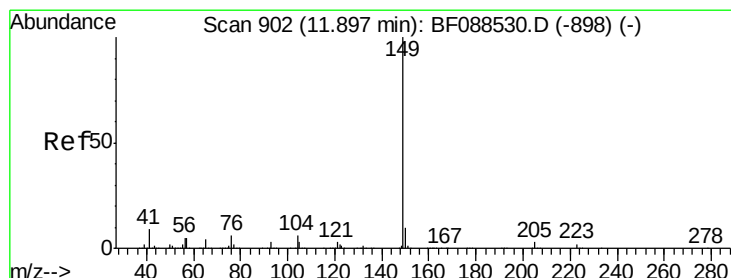
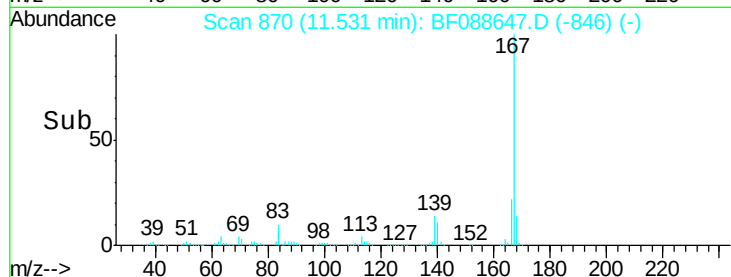
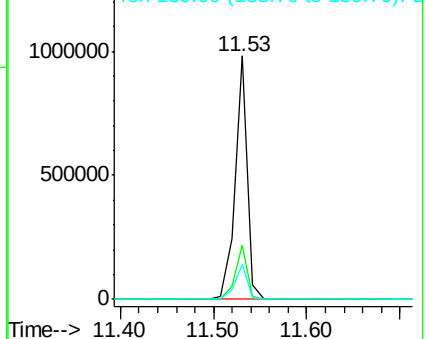
139 14.4 11.2 16.8



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 43.40 ng

RT: 11.87 min Scan# 900

Delta R.T. -0.02 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

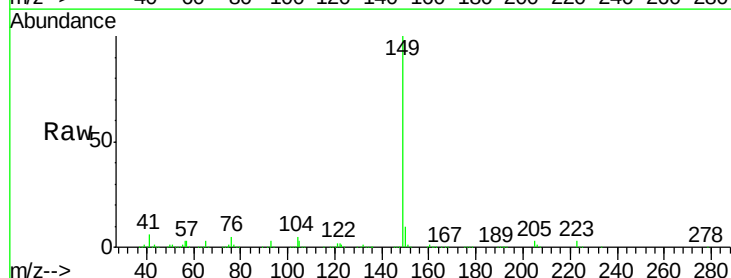
Tgt Ion:149 Resp: 1167614

Ion Ratio Lower Upper

149 100

150 9.6 7.8 11.6

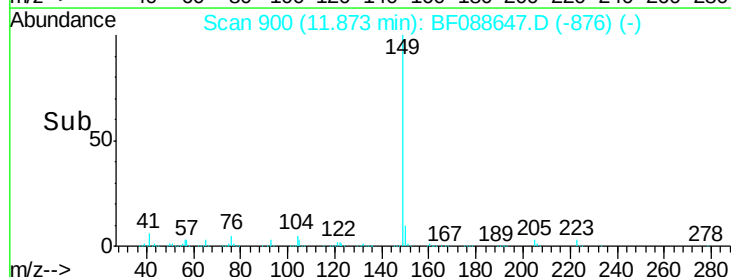
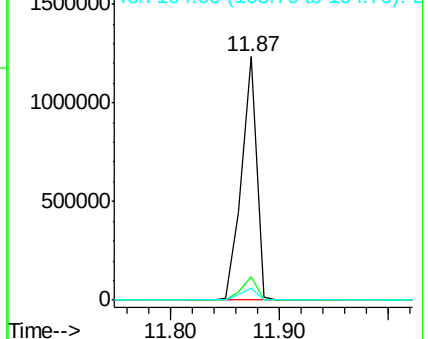
104 5.1 4.0 6.0

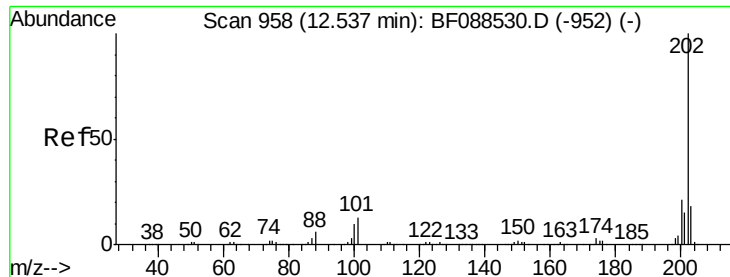


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

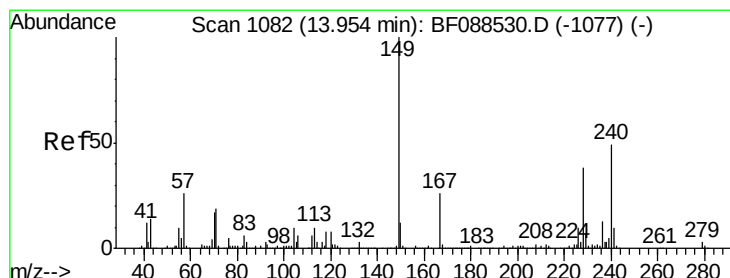
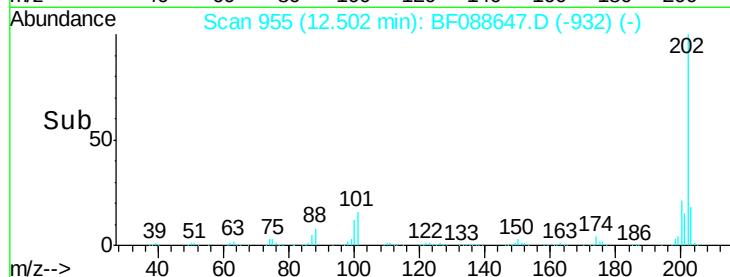
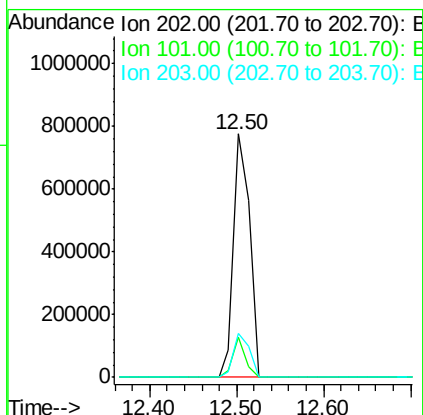
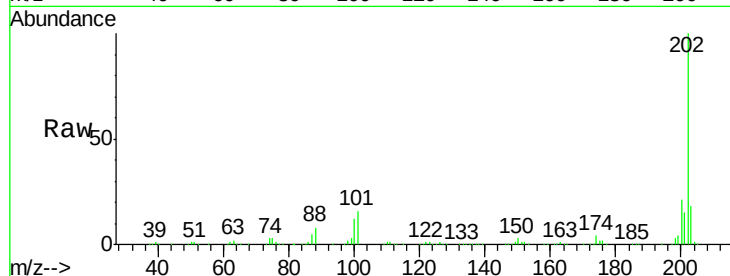




#74
 Fluoranthene
 Concen: 39.43 ng
 RT: 12.50 min Scan# 955
 Delta R.T. -0.03 min
 Lab File: BF088647.D
 Acq: 3 Jul 2016 14:06

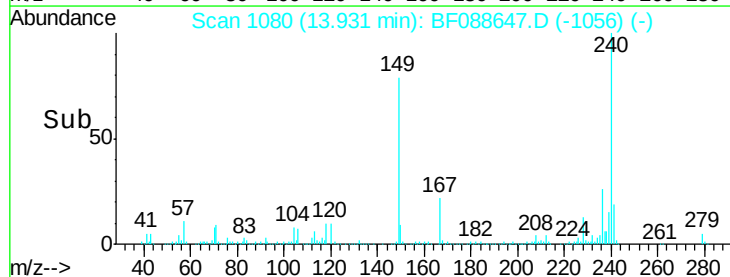
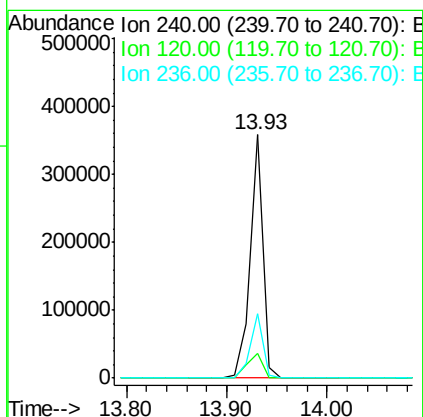
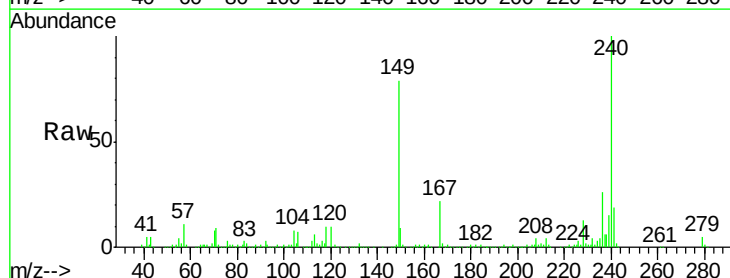
Instrument :
 BNA_F
 ClientSampled :

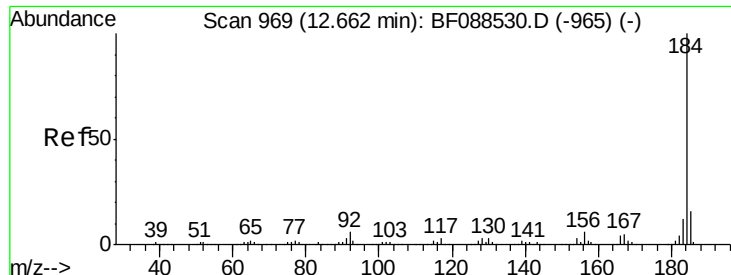
Tot Ion	Ratio	Lower	Upper
202	100		
101	16.4	0.0	33.1
203	18.1	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.93 min Scan# 1080
 Delta R.T. -0.02 min
 Lab File: BF088647.D
 Acq: 3 Jul 2016 14:06

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.4	6.8	10.2#
236	26.2	20.2	30.2

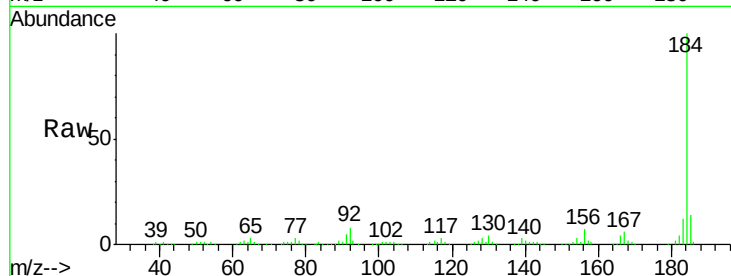




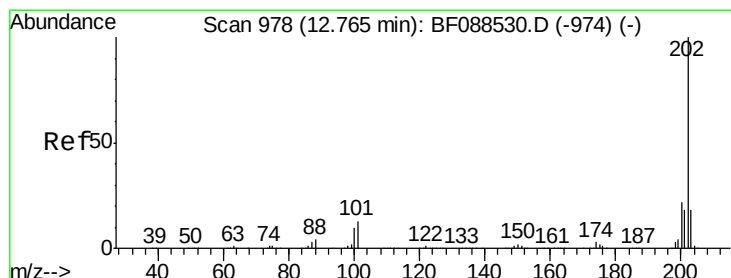
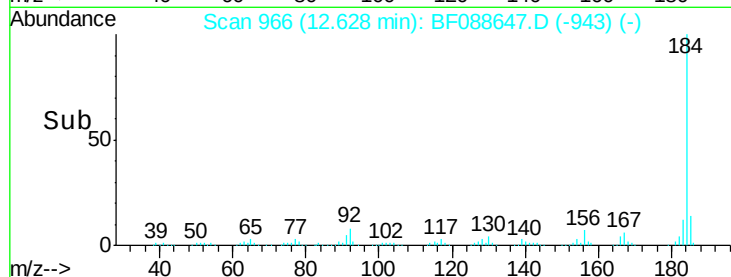
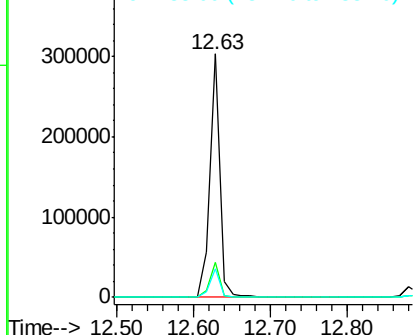
#76
Benzidine
Concen: 16.65 ng
RT: 12.63 min Scan# 966
Delta R.T. -0.03 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:184 Resp: 267248
Ion Ratio Lower Upper
184 100
185 14.5 12.5 18.7
183 11.8 9.3 13.9

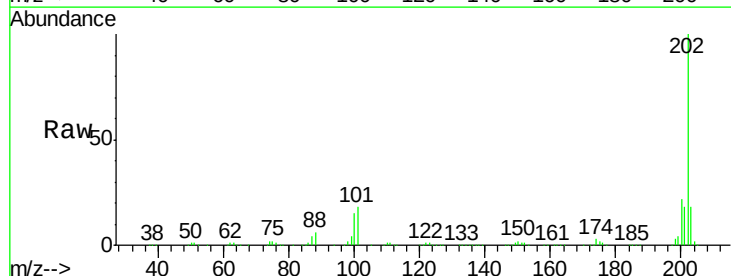


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

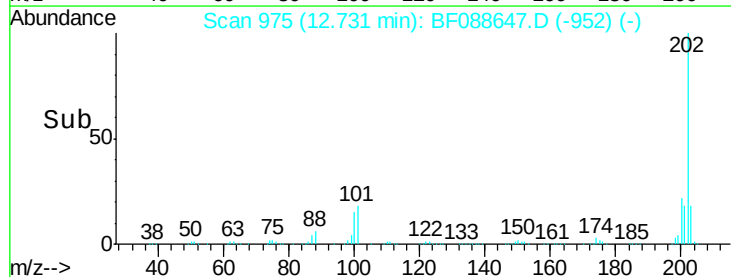
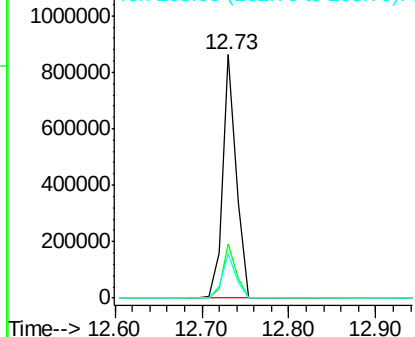


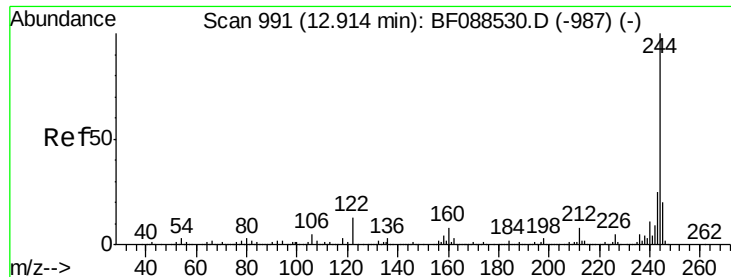
#77
Pyrene
Concen: 35.00 ng
RT: 12.73 min Scan# 975
Delta R.T. -0.03 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

Tgt Ion:202 Resp: 942705
Ion Ratio Lower Upper
202 100
200 22.2 17.4 26.2
203 18.2 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 79.49 ng

RT: 12.88 min Scan# 988

Delta R.T. -0.03 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

Instrument :

BNA_F

ClientSampleId :

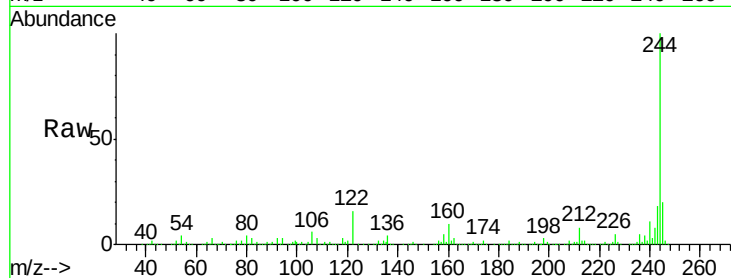
Tot Ion:244 Resp: 1133549

Ion Ratio Lower Upper

244 100

212 8.2 6.0 9.0

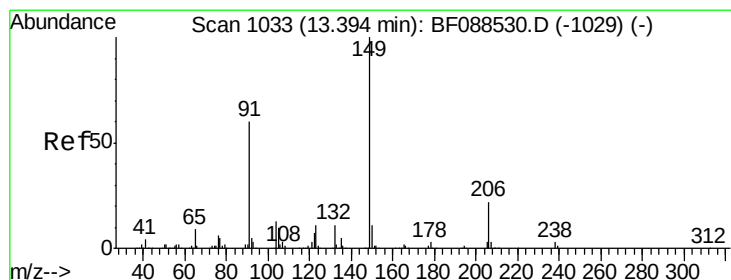
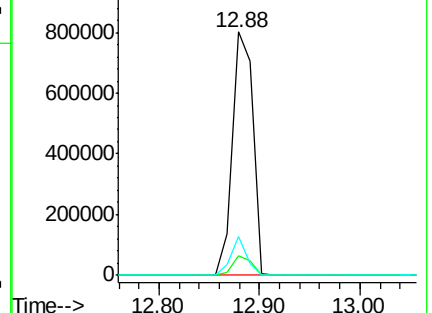
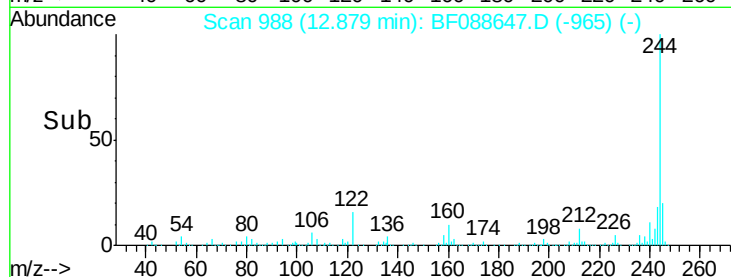
122 16.1 11.2 16.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 38.45 ng

RT: 13.36 min Scan# 1030

Delta R.T. -0.03 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

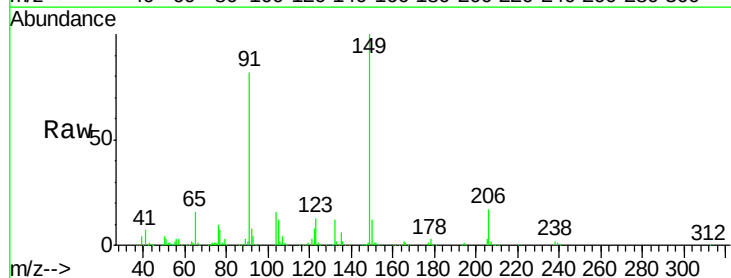
Tgt Ion:149 Resp: 461865

Ion Ratio Lower Upper

149 100

91 82.2 48.0 72.0#

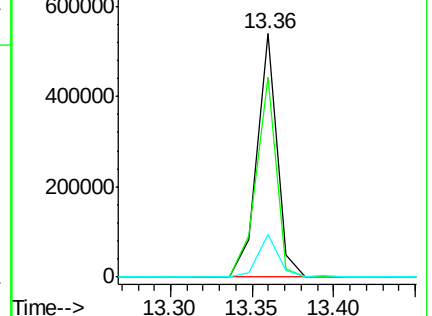
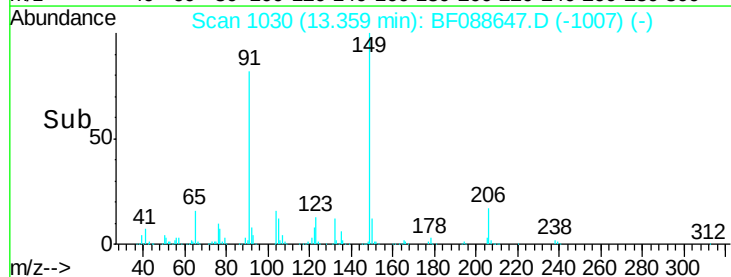
206 17.4 16.0 24.0

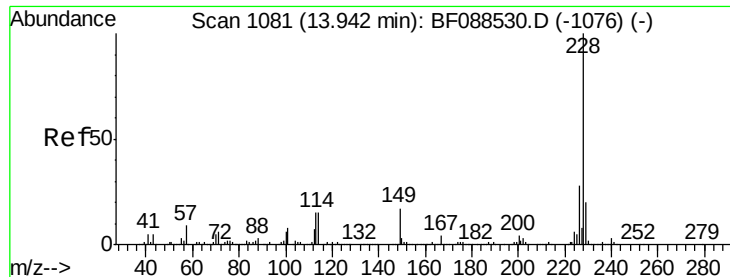


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 40.58 ng

RT: 13.92 min Scan# 1079

Delta R.T. -0.02 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

Instrument :

BNA_F

ClientSampleId :

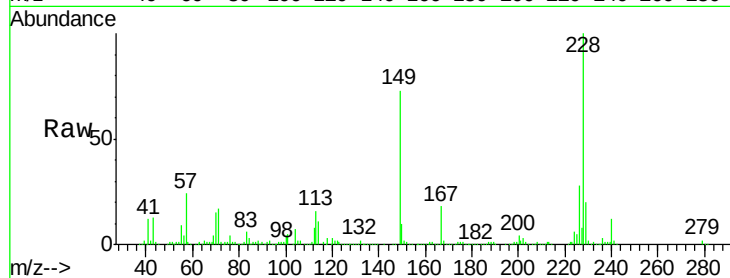
Tot Ion:228 Resp: 830031

Ion Ratio Lower Upper

228 100

226 28.1 22.3 33.5

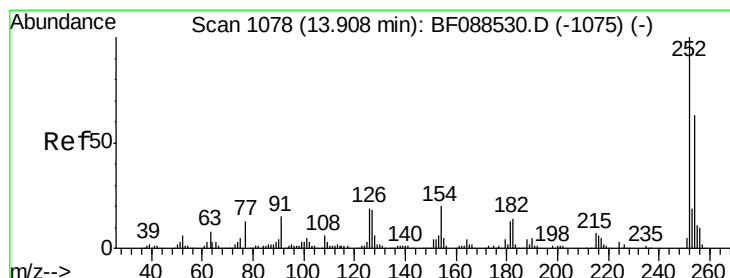
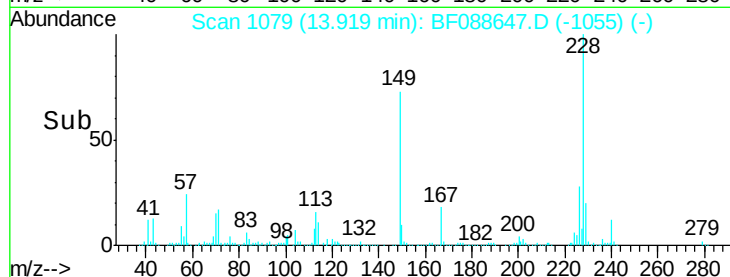
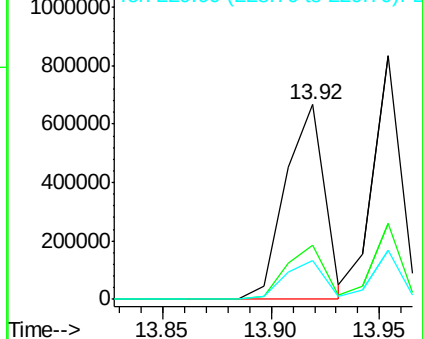
229 19.8 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 14.59 ng

RT: 13.89 min Scan# 1076

Delta R.T. -0.02 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

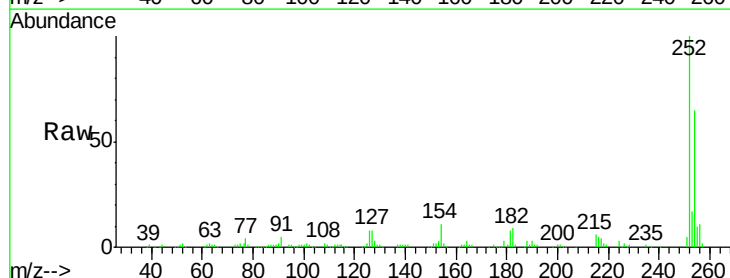
Tgt Ion:252 Resp: 112211

Ion Ratio Lower Upper

252 100

254 64.7 52.6 78.8

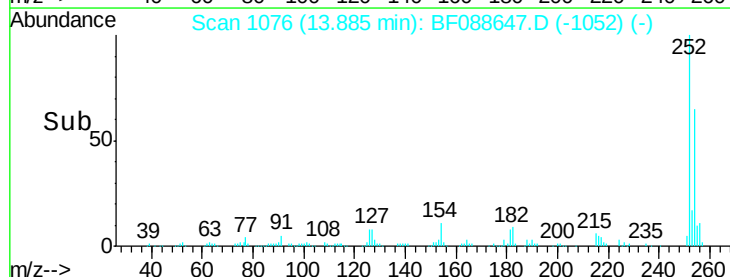
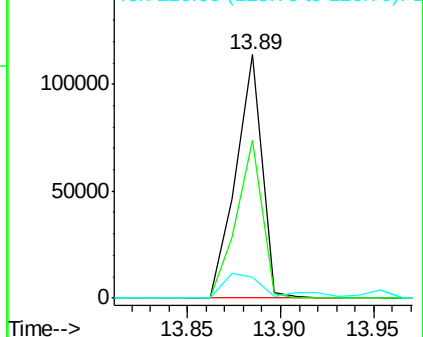
126 8.4 6.2 9.2

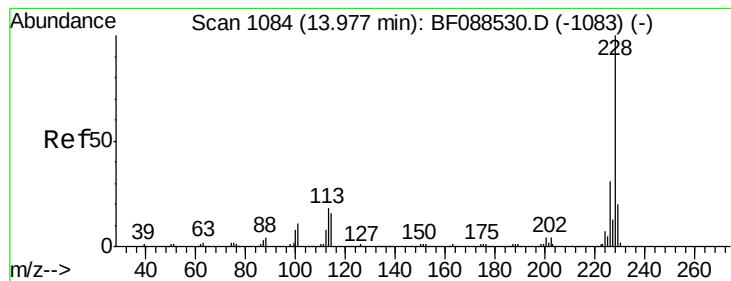


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 36.98 ng

RT: 13.95 min Scan# 1082

Delta R.T. -0.02 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

Instrument :

BNA_F

ClientSampled :

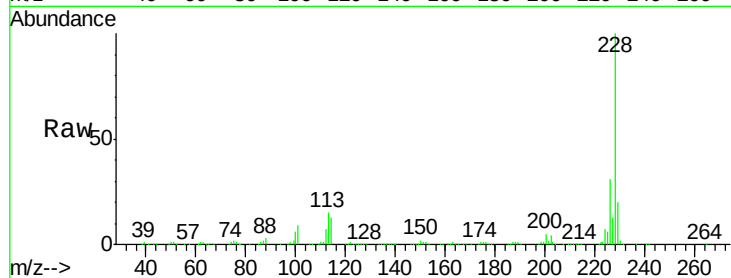
Tot Ion:228 Resp: 748290

Ion Ratio Lower Upper

228 100

226 31.5 25.4 38.2

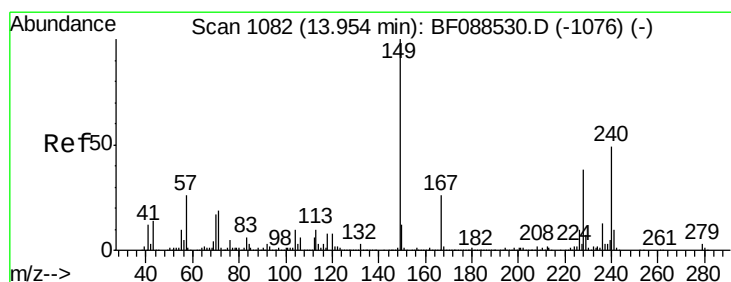
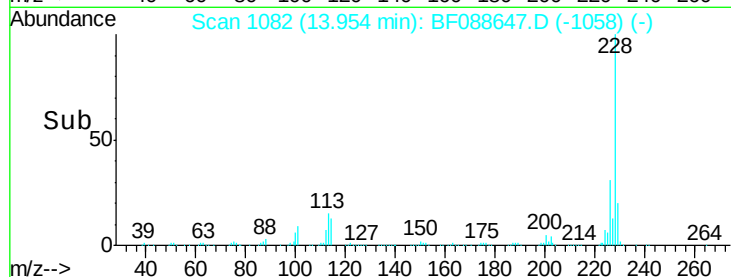
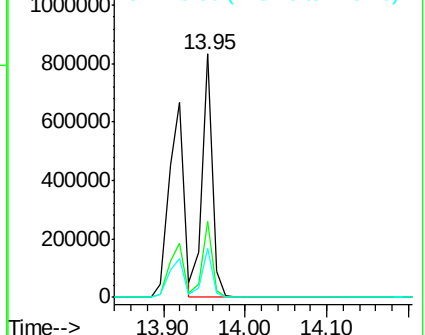
229 20.3 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 40.24 ng

RT: 13.92 min Scan# 1079

Delta R.T. -0.03 min

Lab File: BF088647.D

Acq: 3 Jul 2016 14:06

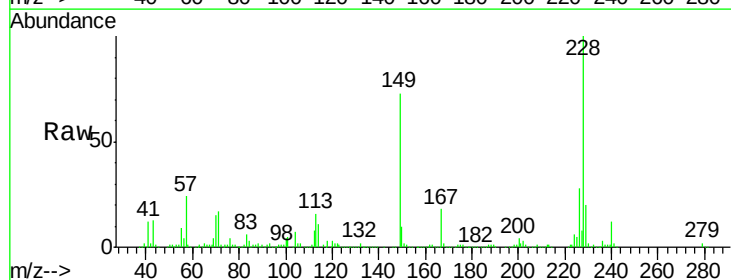
Tgt Ion:149 Resp: 551843

Ion Ratio Lower Upper

149 100

167 24.4 20.5 30.7

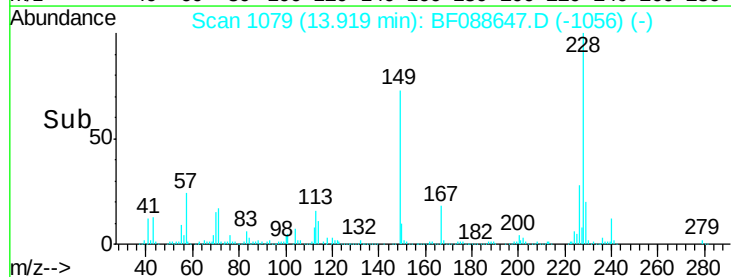
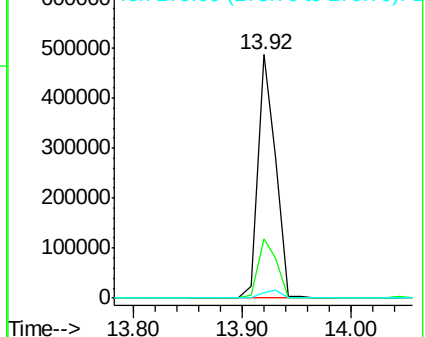
279 2.2 2.0 3.0

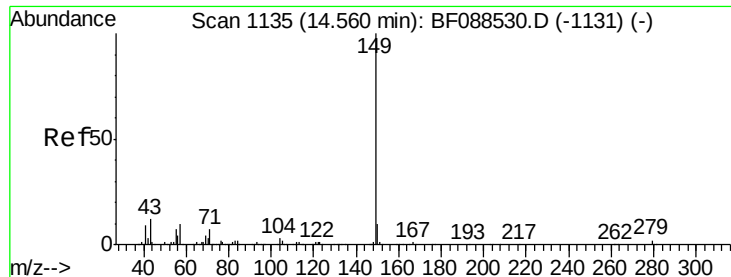


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

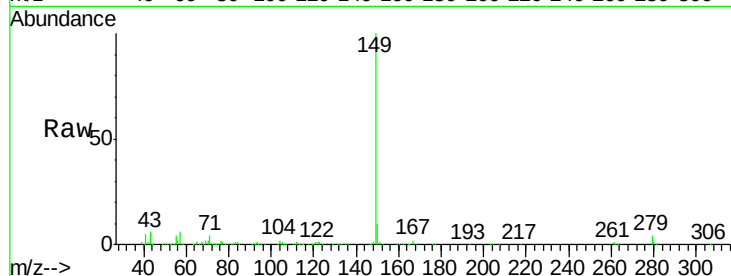




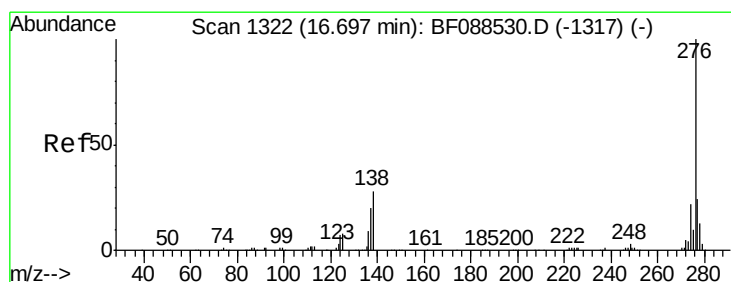
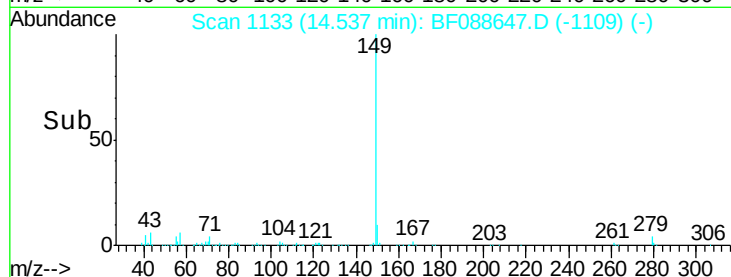
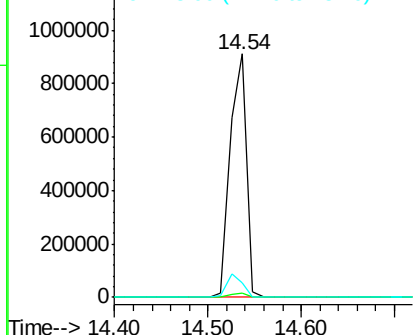
#84
Di-n-octyl phthalate
Concen: 47.95 ng
RT: 14.54 min Scan# 1133
Delta R.T. -0.02 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 1117327
Ion Ratio Lower Upper
149 100
167 1.5 0.0 0.0#
43 9.1 0.0 0.0#

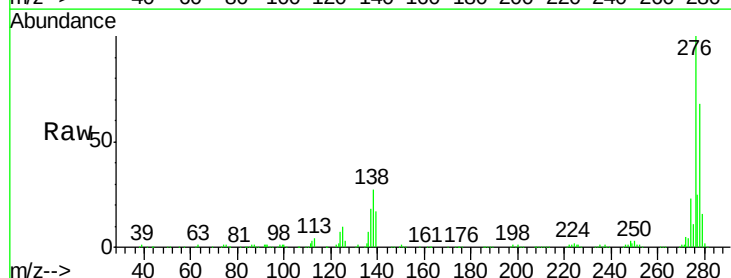


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0

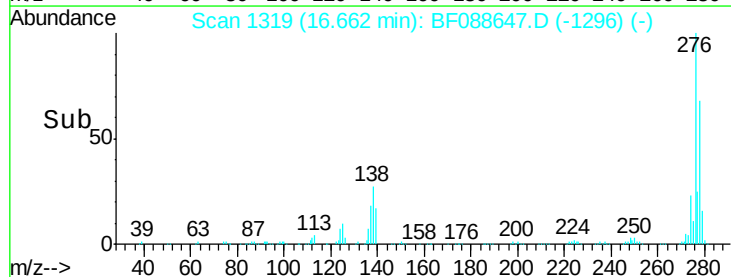
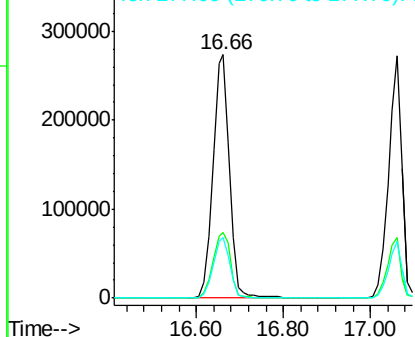


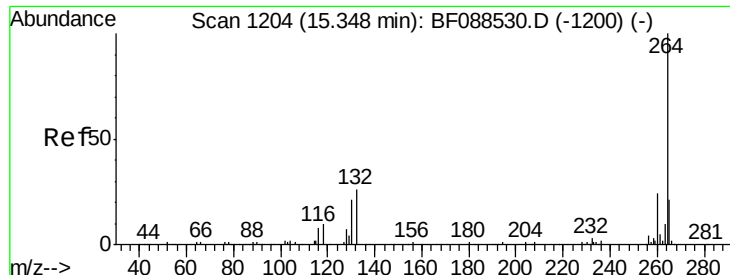
#85
Indeno(1,2,3-cd)pyrene
Concen: 47.56 ng
RT: 16.66 min Scan# 1319
Delta R.T. -0.03 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

Tgt Ion:276 Resp: 740420
Ion Ratio Lower Upper
276 100
138 28.9 0.0 0.0#
277 25.2 0.0 0.0#



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



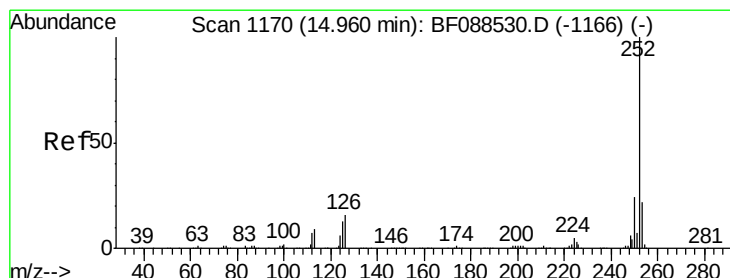
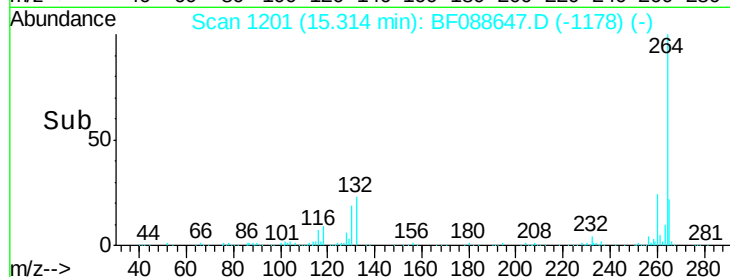
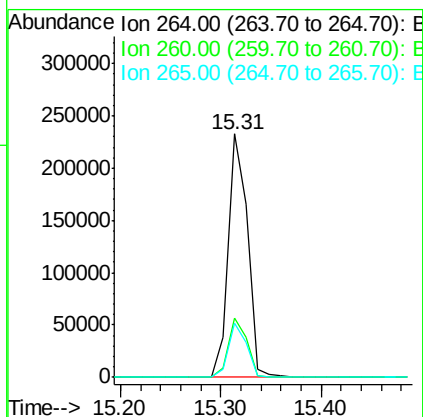
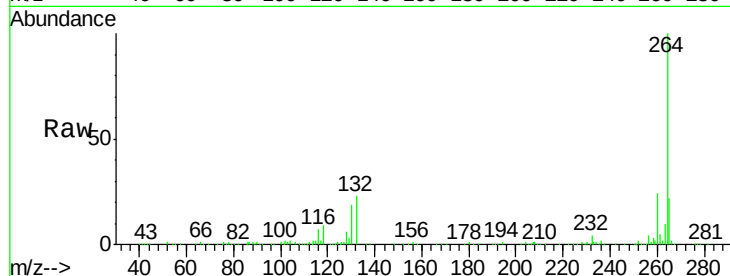


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.31 min Scan# 1201
Delta R.T. -0.03 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 309090

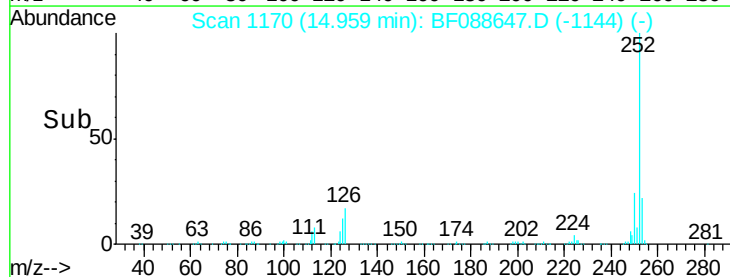
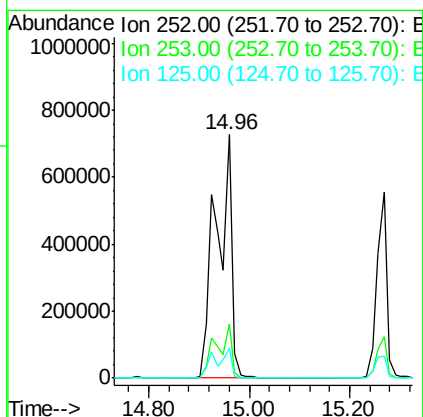
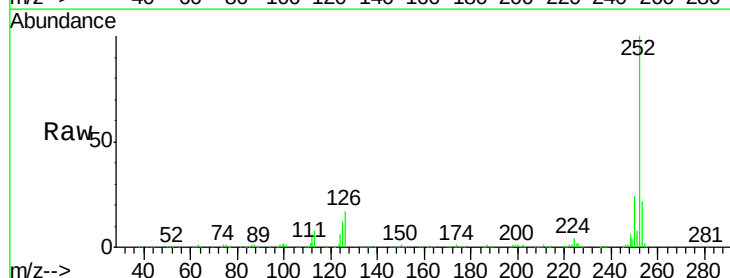
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.0	16.9	25.3

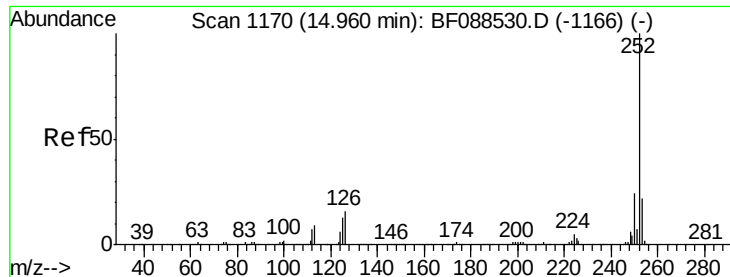


#87
Benzo(b)fluoranthene
Concen: 81.50 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

Tgt Ion:252 Resp: 1580328

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	12.2	7.1	10.7#

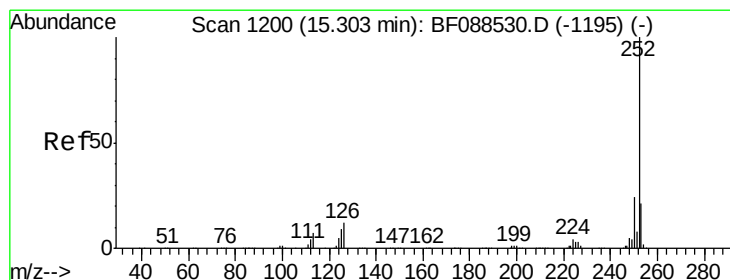
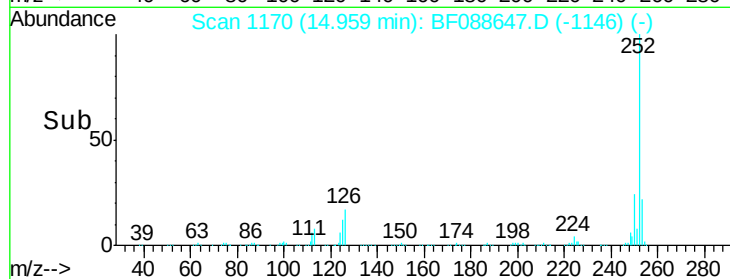
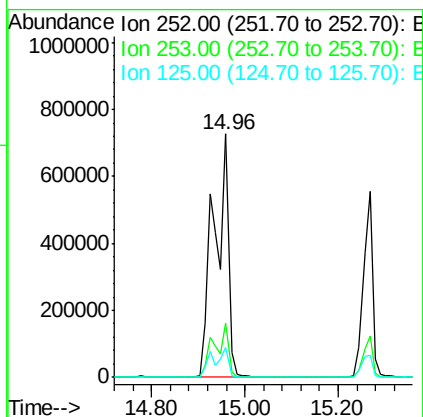
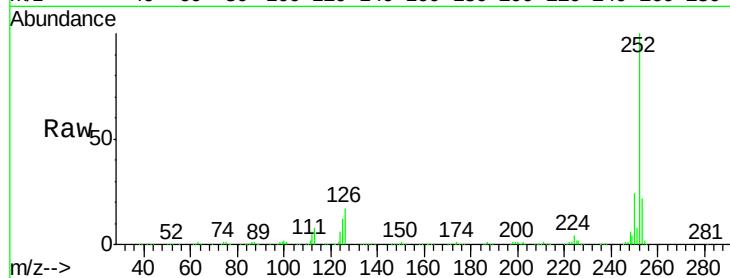




#88
Benzo(k)fluoranthene
Concen: 93.66 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

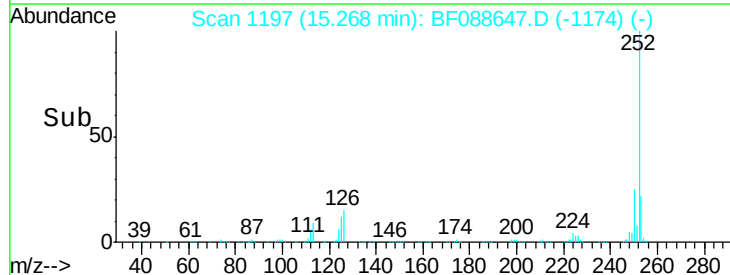
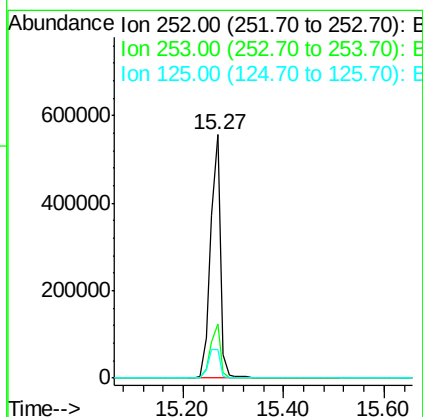
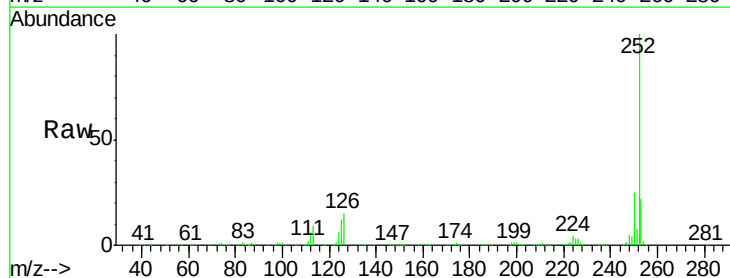
Instrument :
BNA_F
ClientSampled :

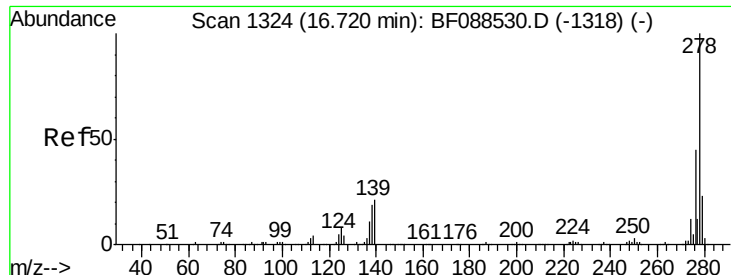
Tot Ion:252 Resp: 1580875
Ion Ratio Lower Upper
252 100
253 22.2 18.0 27.0
125 12.2 11.2 16.8



#89
Benzo(a)pyrene
Concen: 46.01 ng
RT: 15.27 min Scan# 1197
Delta R.T. -0.03 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

Tgt Ion:252 Resp: 755266
Ion Ratio Lower Upper
252 100
253 22.0 17.9 26.9
125 11.8 12.5 18.7#

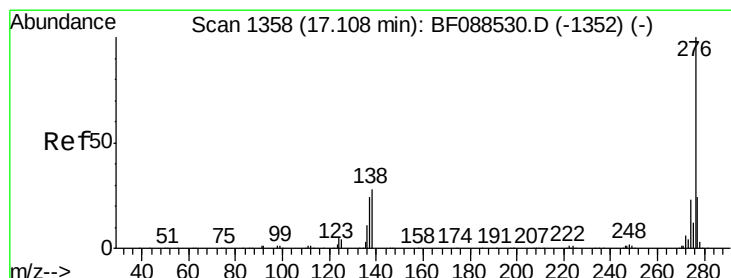
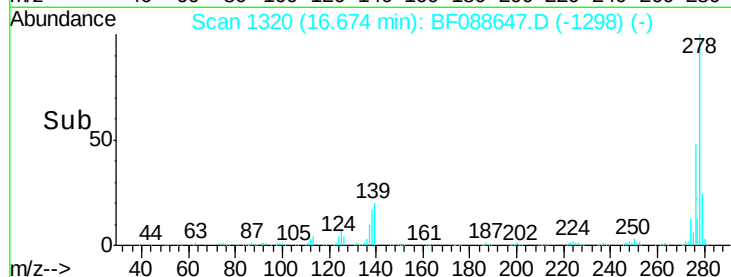
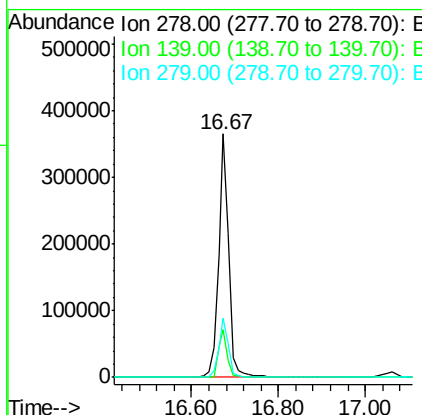
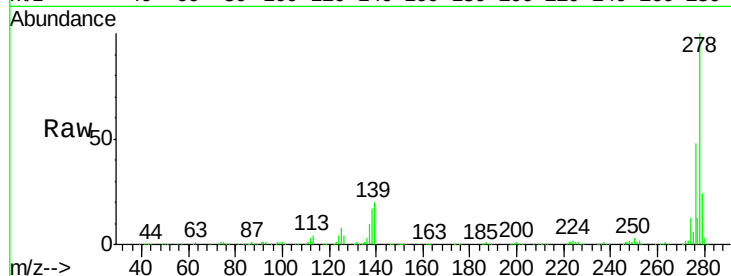




#90
Dibenzo(a,h)anthracene
Concen: 44.46 ng
RT: 16.67 min Scan# 1320
Delta R.T. -0.05 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

Instrument :
BNA_F
ClientSampled :

Tot Ion:278 Resp: 609521
Ion Ratio Lower Upper
278 100
139 19.6 15.7 23.5
279 24.2 19.4 29.2



#91
Benzo(g,h,i)perylene
Concen: 41.73 ng
RT: 17.06 min Scan# 1354
Delta R.T. -0.05 min
Lab File: BF088647.D
Acq: 3 Jul 2016 14:06

Tgt Ion:276 Resp: 592005
Ion Ratio Lower Upper
276 100
277 23.6 18.9 28.3
138 25.1 21.4 32.2

