

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062216\
 Data File : BF088255.D
 Acq On : 22 Jun 2016 17:53
 Operator : UM/SJ
 Sample : H3660-02MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(3.5-4)MSD

Quant Time: Jun 22 18:38:09 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	81614	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	346935	20.00	ng	0.00
38) Acenaphthene-d10	9.64	164	164432	20.00	ng	0.00
63) Phenanthrene-d10	11.12	188	291045	20.00	ng	0.00
75) Chrysene-d12	13.75	240	215310	20.00	ng	0.00
86) Perylene-d12	15.11	264	174264	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.20	112	681795	142.81	ng	0.02
7) Phenol-d6	6.27	99	785872	135.83	ng	0.01
23) Nitrobenzene-d5	7.19	82	535034	90.05	ng	0.01
41) 2,4,6-Tribromophenol	10.43	330	188736	108.70	ng	0.00
44) 2-Fluorobiphenyl	8.97	172	883012	84.32	ng	0.00
78) Terphenyl-d14	12.70	244	686110	72.51	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.09	88	81226	35.02	ng	# 28
3) Pyridine	2.73	79	228067	41.64	ng	90
4) n-Nitrosodimethylamine	2.70	42	100149	43.17	ng	# 78
6) Aniline	6.27	93	279340	33.92	ng	# 52
8) 2-Chlorophenol	6.40	128	282902	50.06	ng	82
9) Benzaldehyde	6.19	77	4424	1.50	ng	94
10) Phenol	6.28	94	362023	61.52	ng	91
11) bis(2-Chloroethyl)ether	6.35	93	268163	52.86	ng	88
12) 1,3-Dichlorobenzene	6.62	146	287413	47.41	ng	96
13) 1,4-Dichlorobenzene	6.62	146	287413	47.06	ng	95
14) 1,2-Dichlorobenzene	6.78	146	265980	47.89	ng	95
15) Benzyl Alcohol	6.76	79	190338	42.05	ng	96
16) 2,2'-oxybis(1-Chloropropan	6.90	45	278788	40.67	ng	69
17) 2-Methylphenol	6.89	107	231151	50.44	ng	95
18) Hexachloroethane	7.11	117	101283	46.73	ng	# 85
19) n-Nitroso-di-n-propylamine	7.04	70	177535	47.97	ng	# 86
20) 3+4-Methylphenols	7.05	107	295543	55.27	ng	# 76
22) Acetophenone	7.03	105	362986	46.82	ng	# 98
24) Nitrobenzene	7.20	77	272502	47.35	ng	91
25) Isophorone	7.44	82	526713	47.86	ng	99
26) 2-Nitrophenol	7.52	139	166464	54.00	ng	# 81
27) 2,4-Dimethylphenol	7.58	122	257003	45.28	ng	100
28) bis(2-Chloroethoxy)methane	7.66	93	321418	47.09	ng	# 96
29) 2,4-Dichlorophenol	7.77	162	242057	51.08	ng	92
30) 1,2,4-Trichlorobenzene	7.84	180	243253	47.14	ng	99
31) Naphthalene	7.92	128	806866	47.00	ng	98
32) Benzoic acid	7.71	122	64039	20.49	ng	94
33) 4-Chloroaniline	7.98	127	288270	37.60	ng	95
34) Hexachlorobutadiene	8.03	225	123700	45.45	ng	99
35) Caprolactam	8.36	113	48146	30.67	ng	# 85
36) 4-Chloro-3-methylphenol	8.48	107	254323	50.18	ng	99
37) 2-Methylnaphthalene	8.71	142	490230	43.32	ng	96
39) 1,2,4,5-Tetrachlorobenzene	8.78	216	229537	60.79	ng	# 1
40) Hexachlorocyclopentadiene	8.75	237	109889	41.43	ng	99

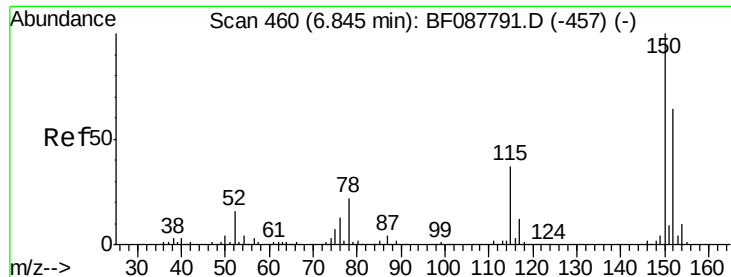
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062216\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.89	196	144659	43.99	ng	95
43) 2,4,5-Trichlorophenol	8.95	196	158482	46.33	ng #	91
45) 1,1'-Biphenyl	9.07	154	656121	54.47	ng	97
46) 2-Chloronaphthalene	9.10	162	511723	48.09	ng	97
47) 2-Nitroaniline	9.20	65	135336	43.12	ng	92
48) Acenaphthylene	9.51	152	753304	44.51	ng	99
49) Dimethylphthalate	9.39	163	849787	71.34	ng	99
50) 2,6-Dinitrotoluene	9.45	165	149147	54.68	ng	100
51) Acenaphthene	9.68	154	475117	45.00	ng	98
52) 3-Nitroaniline	9.61	138	127402	40.48	ng	100
53) 2,4-Dinitrophenol	9.74	184	66715	49.87	ng #	75
54) Dibenzofuran	9.85	168	638071	43.88	ng	91
55) 4-Nitrophenol	9.80	139	143007	58.54	ng	92
56) 2,4-Dinitrotoluene	9.85	165	144529	41.23	ng #	44
57) Fluorene	10.19	166	507319	52.43	ng	98
58) 2,3,4,6-Tetrachlorophenol	9.98	232	129574	48.20	ng #	57
59) Diethylphthalate	10.08	149	553842	45.94	ng	98
60) 4-Chlorophenyl-phenylether	10.18	204	205015	42.40	ng	96
61) 4-Nitroaniline	10.24	138	159793	53.52	ng	92
62) Azobenzene	10.34	77	544913	45.70	ng	96
64) 4,6-Dinitro-2-methylphenol	10.26	198	97126	53.21	ng #	79
65) n-Nitrosodiphenylamine	10.31	169	464015	48.05	ng	100
66) 4-Bromophenyl-phenylether	10.67	248	151314	48.46	ng	95
67) Hexachlorobenzene	10.73	284	146691	45.22	ng	98
68) Atrazine	10.84	200	151855	51.93	ng	94
69) Pentachlorophenol	10.94	266	119333	69.78	ng	97
70) Phenanthrene	11.14	178	711974	46.62	ng	100
71) Anthracene	11.20	178	775047	50.31	ng	99
72) Carbazole	11.36	167	754589	52.34	ng	100
73) Di-n-butylphthalate	11.69	149	837248	45.88	ng	100
74) Fluoranthene	12.32	202	756815	46.96	ng	96
76) Benzidine	12.46	184	417382	70.01	ng	98
77) Pyrene	12.55	202	708777	44.36	ng	100
79) Butylbenzylphthalate	13.18	149	373213	52.83	ng	92
80) Benzo(a)anthracene	13.74	228	509584	41.53	ng	100
81) 3,3'-Dichlorobenzidine	13.70	252	153477	46.51	ng #	98
82) Chrysene	13.77	228	556239	48.19	ng	99
83) Bis(2-ethylhexyl)phthalate	13.74	149	390842	45.45	ng	99
84) Di-n-octyl phthalate	14.34	149	729471	52.21	ng #	100
85) Indeno(1,2,3-cd)pyrene	16.37	276	483009	45.04	ng #	100
87) Benzo(b)fluoranthene	14.77	252	973648	80.16	ng #	97
88) Benzo(k)fluoranthene	14.77	252	973648	106.27	ng	97
89) Benzo(a)pyrene	15.05	252	479008	48.74	ng	99
90) Dibenzo(a,h)anthracene	16.37	278	403920	44.26	ng	98
91) Benzo(g,h,i)perylene	16.74	276	428427	45.63	ng	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 439

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

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SB-1(3.5-4)MSD

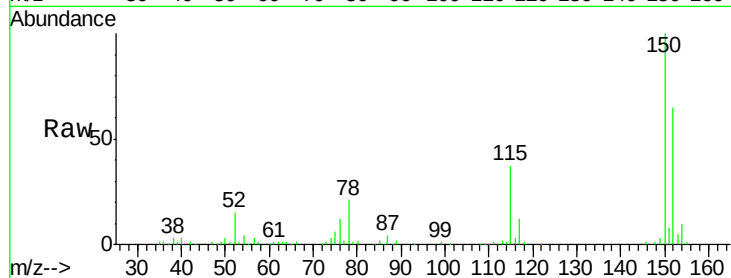
Tgt Ion:152 Resp: 81614

Ion Ratio Lower Upper

152 100

150 154.0 123.8 185.6

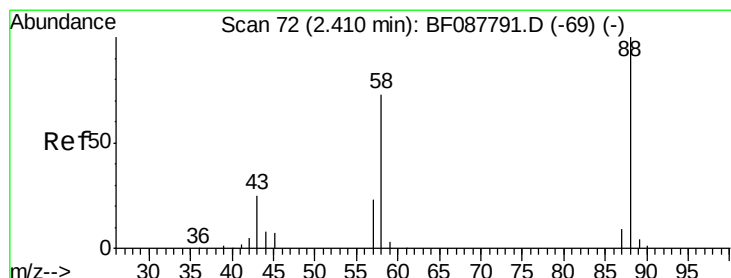
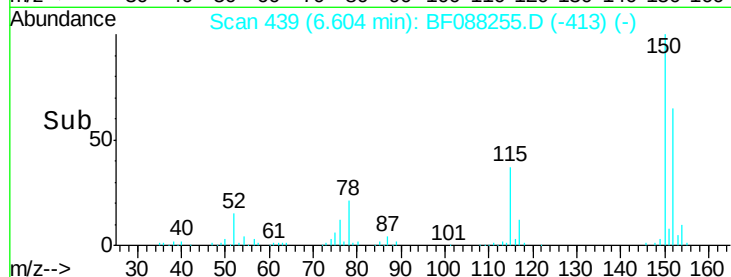
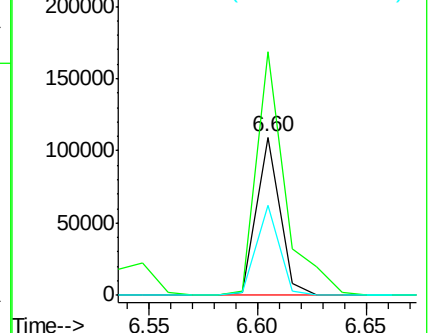
115 57.1 39.6 59.4



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: 35.02 ng

RT: 2.09 min Scan# 44

Delta R.T. 0.07 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

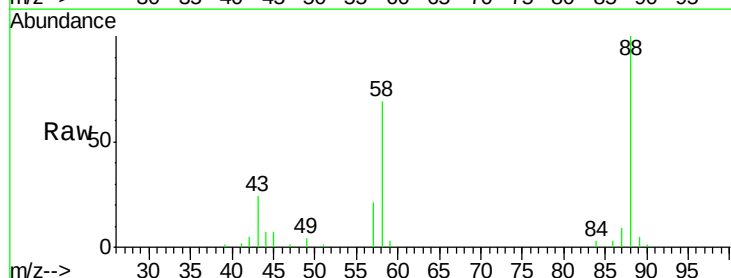
Tgt Ion: 88 Resp: 81226

Ion Ratio Lower Upper

88 100

58 75.2 0.0 0.0#

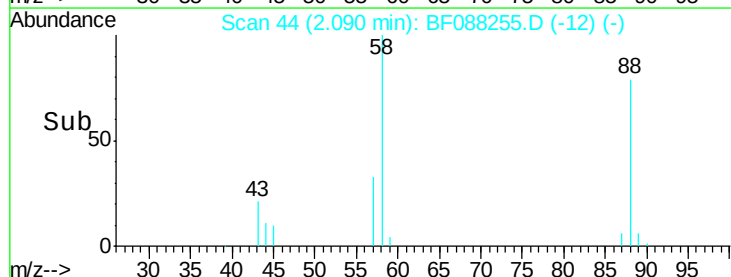
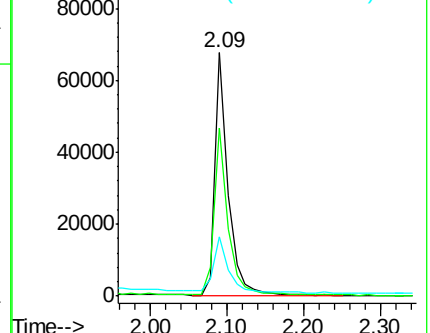
43 27.9 3.4 5.2#

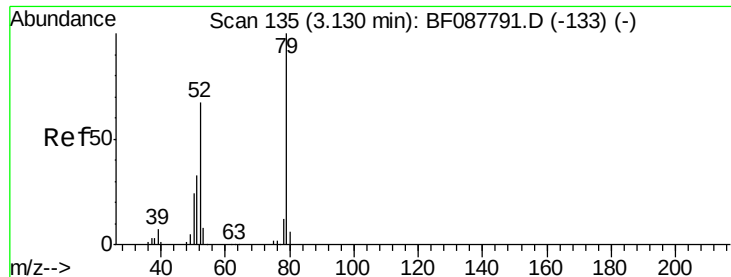


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 41.64 ng

RT: 2.73 min Scan# 100

Delta R.T. 0.06 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

Instrument :

BNA_F

ClientSampleId :

SB-1(3.5-4)MSD

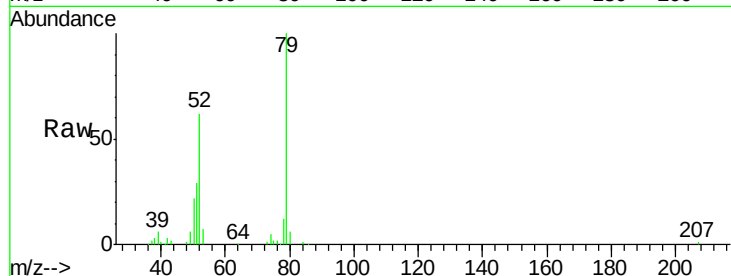
Tgt Ion: 79 Resp: 228067

Ion Ratio Lower Upper

79 100

52 61.6 56.3 84.5

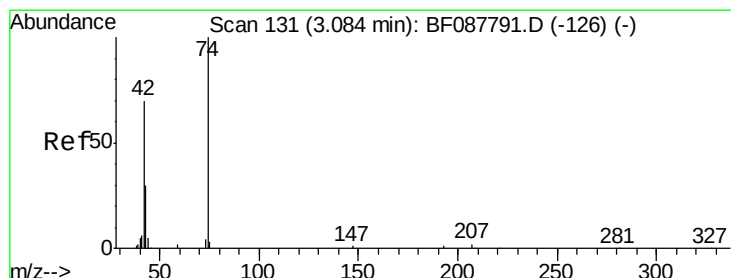
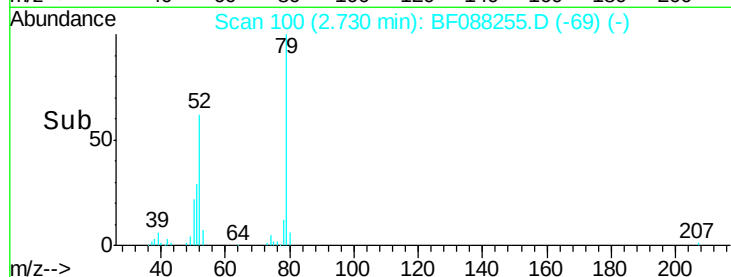
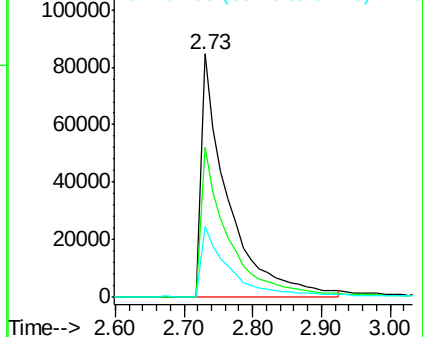
51 29.1 27.4 41.2



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: 43.17 ng

RT: 2.70 min Scan# 97

Delta R.T. 0.07 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

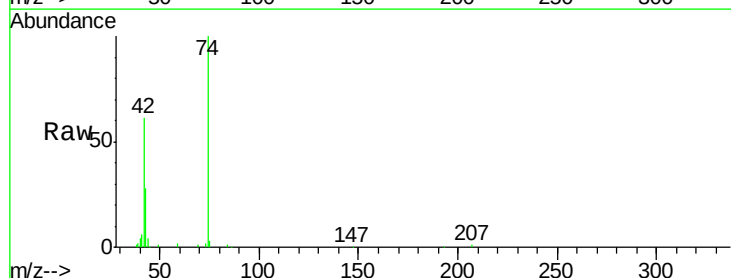
Tgt Ion: 42 Resp: 100149

Ion Ratio Lower Upper

42 100

74 163.5 108.6 163.0#

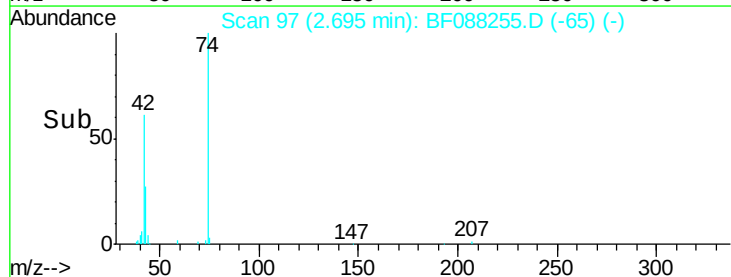
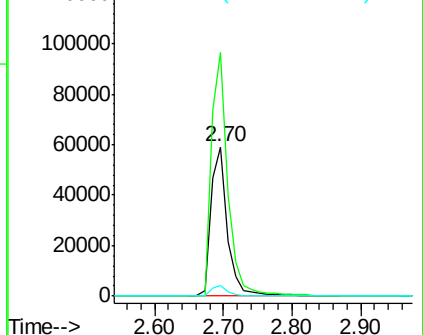
44 7.1 5.5 8.3

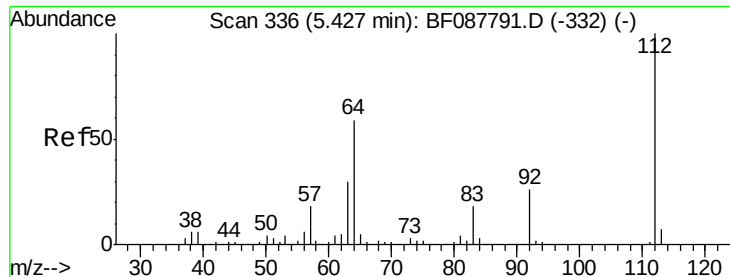


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 142.81 ng

RT: 5.20 min Scan# 316

Delta R.T. 0.02 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

Instrument :

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SB-1(3.5-4)MSD

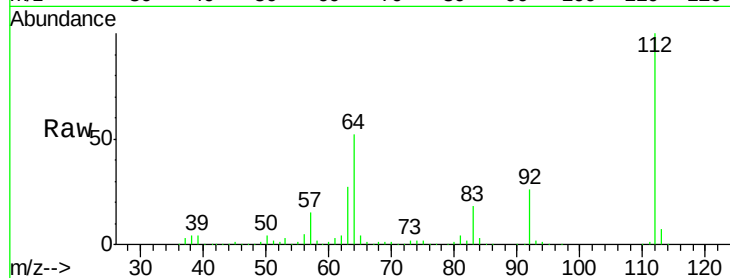
Tgt Ion: 112 Resp: 681795

Ion Ratio Lower Upper

112 100

64 52.0 42.2 63.2

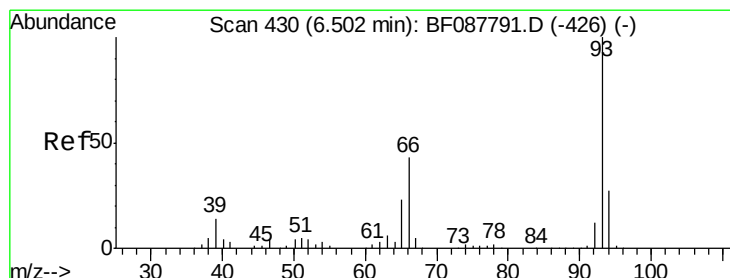
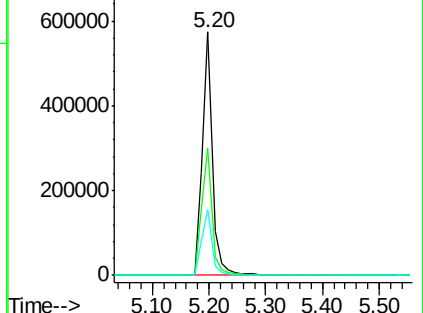
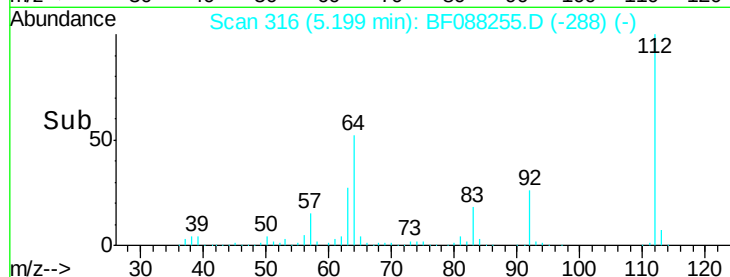
63 27.2 21.8 32.8



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 33.92 ng

RT: 6.27 min Scan# 410

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

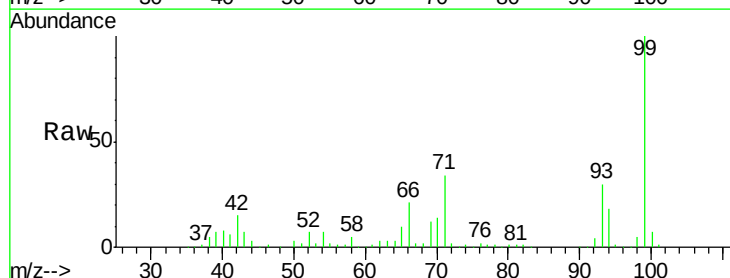
Tgt Ion: 93 Resp: 279340

Ion Ratio Lower Upper

93 100

66 69.7 29.8 44.8#

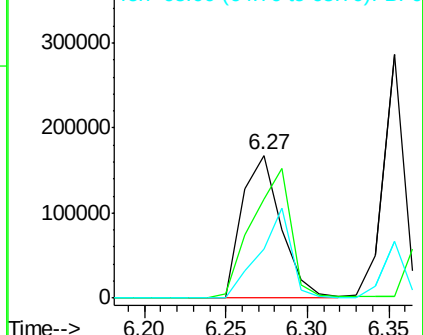
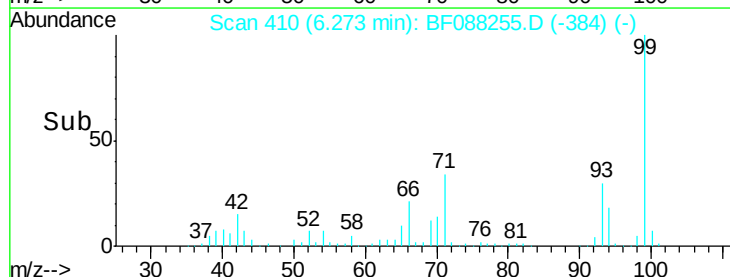
65 34.6 14.9 22.3#

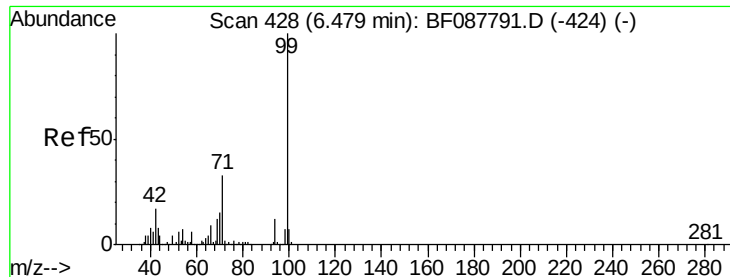


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 135.83 ng

RT: 6.27 min Scan# 410

Delta R.T. 0.01 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

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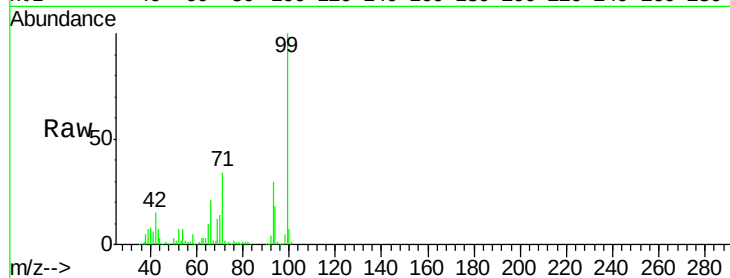
Tgt Ion: 99 Resp: 785872

Ion Ratio Lower Upper

99 100

42 14.9 12.2 18.2

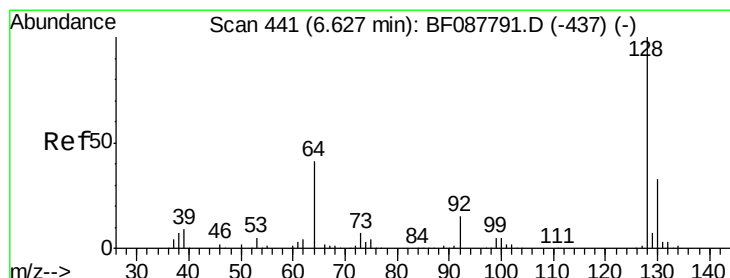
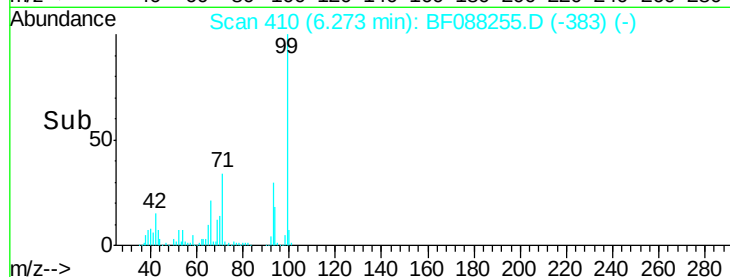
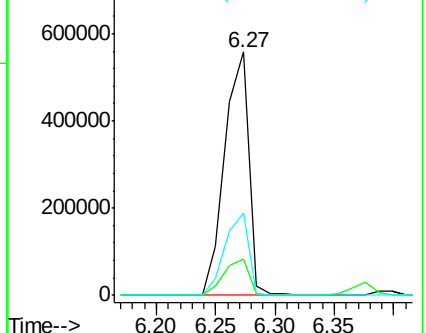
71 33.9 23.4 35.0



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: 50.06 ng

RT: 6.40 min Scan# 421

Delta R.T. 0.01 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

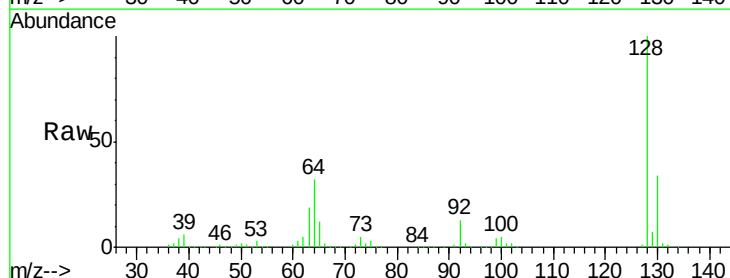
Tgt Ion: 128 Resp: 282902

Ion Ratio Lower Upper

128 100

130 33.9 12.0 52.0

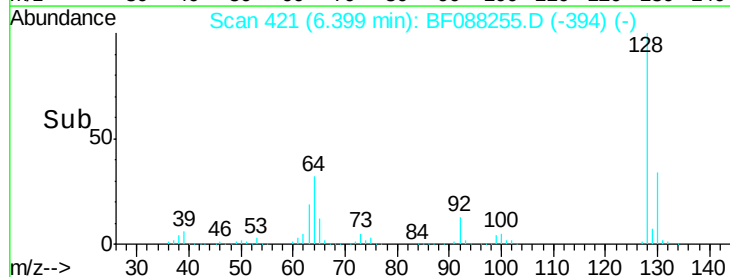
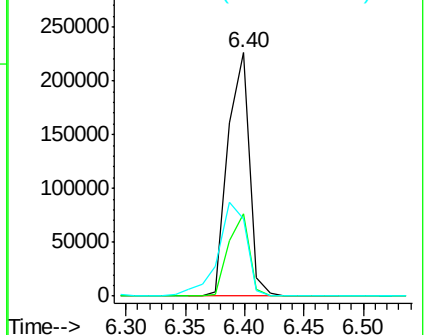
64 31.5 30.8 70.8

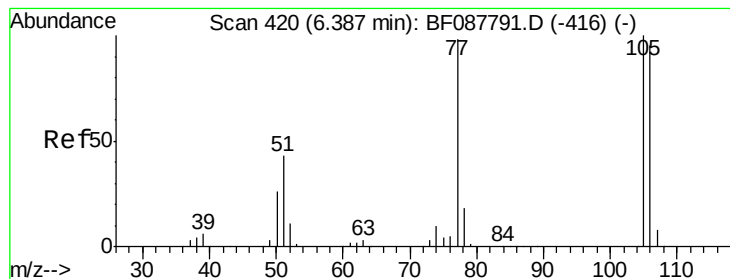


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 1.50 ng

RT: 6.19 min Scan# 403

Delta R.T. 0.05 min

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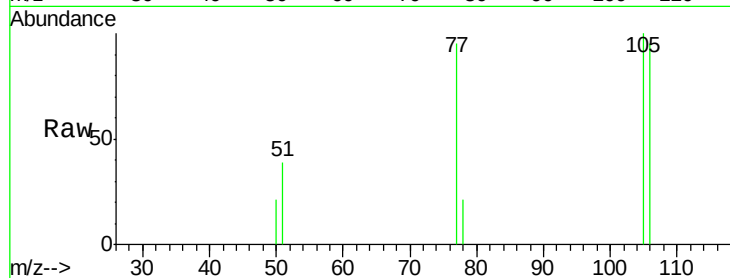
Tgt Ion: 77 Resp: 4424

Ion Ratio Lower Upper

77 100

105 104.8 90.6 130.6

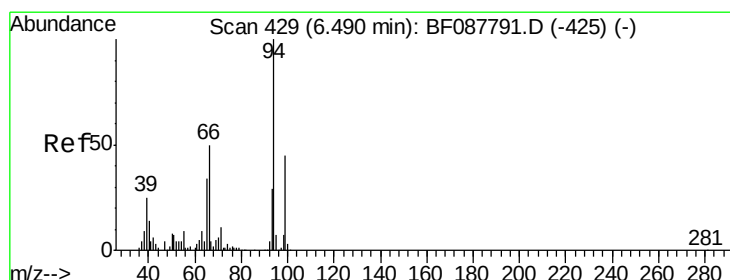
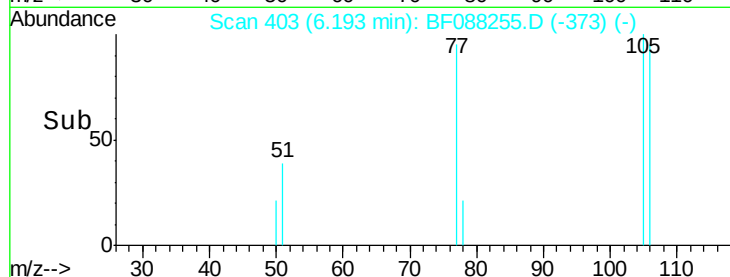
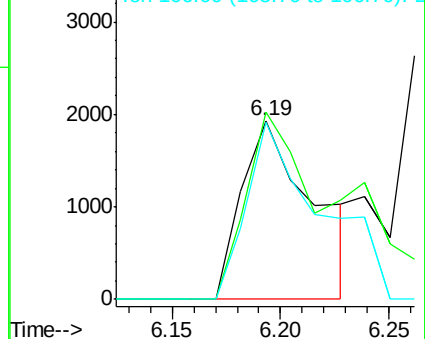
106 99.4 85.3 125.3



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 61.52 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.01 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

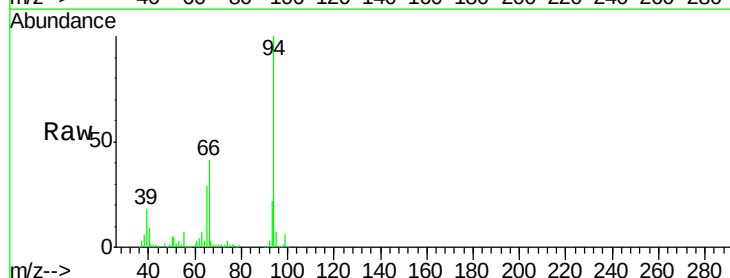
Tgt Ion: 94 Resp: 362023

Ion Ratio Lower Upper

94 100

65 28.7 5.9 45.9

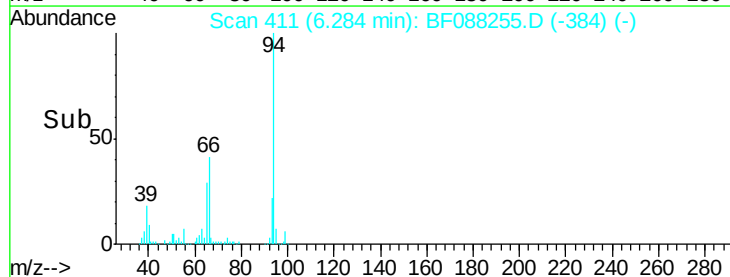
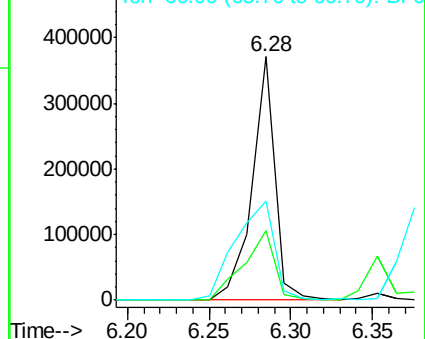
66 40.9 14.0 54.0

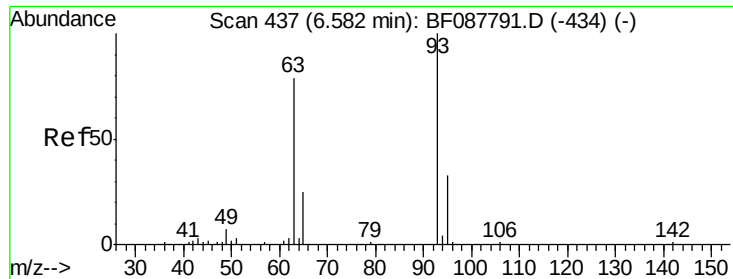


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

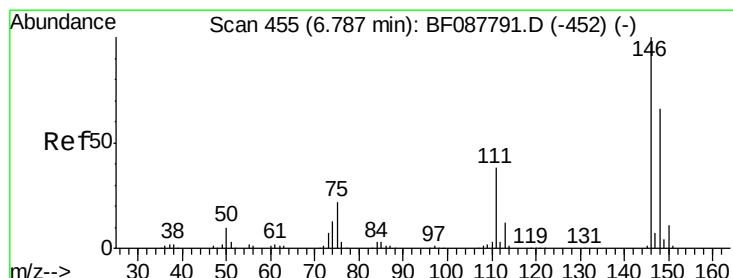
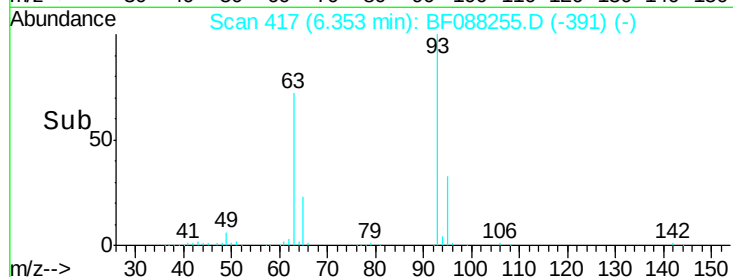
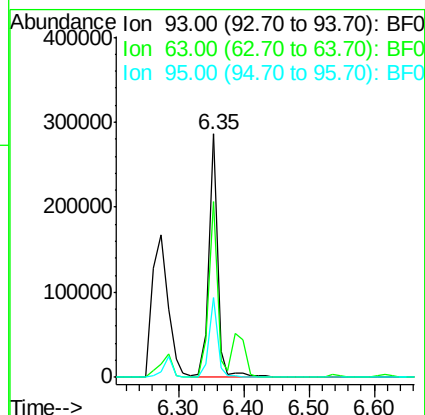
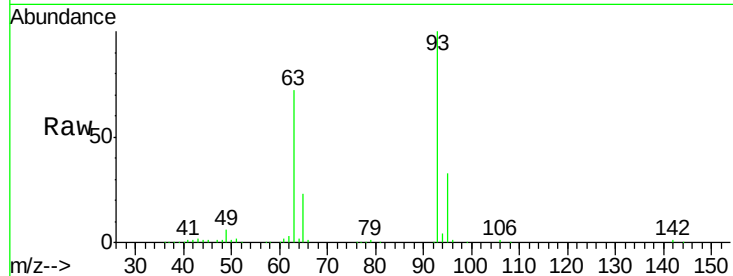




#11
bis(2-Chloroethyl)ether
Concen: 52.86 ng
RT: 6.35 min Scan# 417
Delta R.T. 0.00 min
Lab File: BF088255.D
Acq: 22 Jun 2016 17:53

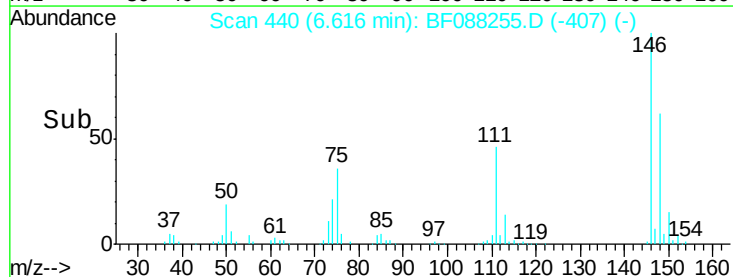
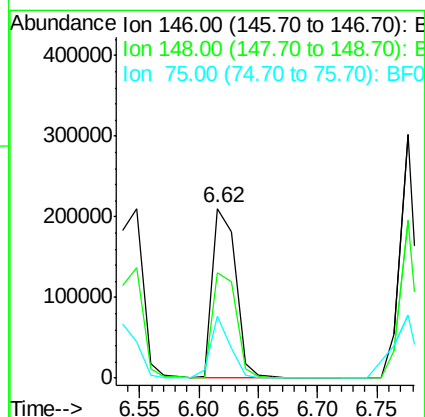
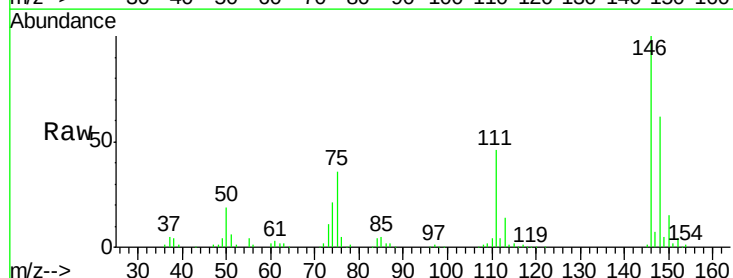
Instrument :
BNA_F
ClientSampleId :
SB-1(3.5-4)MSD

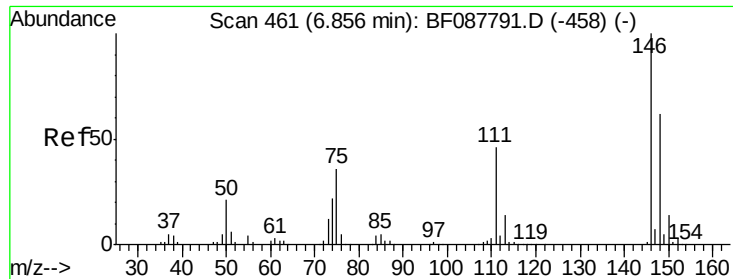
Tgt Ion: 93 Resp: 268163
Ion Ratio Lower Upper
93 100
63 72.1 67.6 107.6
95 33.0 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 47.41 ng
RT: 6.62 min Scan# 440
Delta R.T. 0.08 min
Lab File: BF088255.D
Acq: 22 Jun 2016 17:53

Tgt Ion: 146 Resp: 287413
Ion Ratio Lower Upper
146 100
148 62.0 50.9 76.3
75 36.2 25.6 38.4

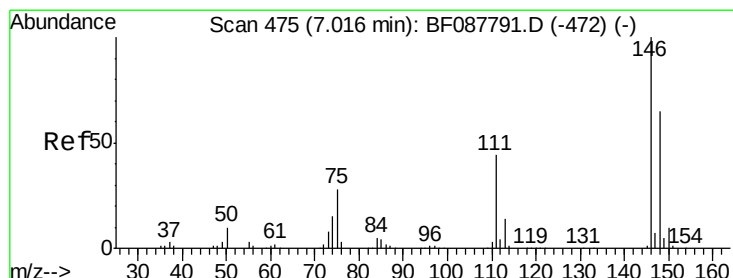
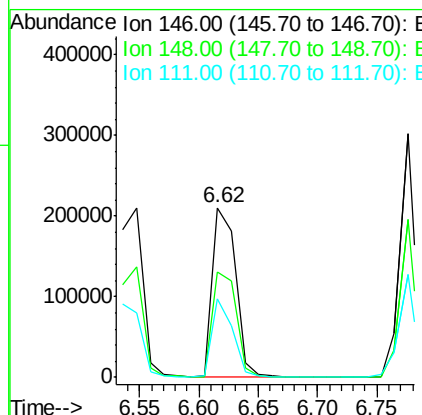
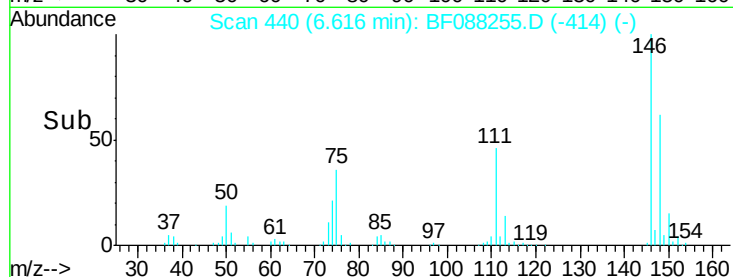
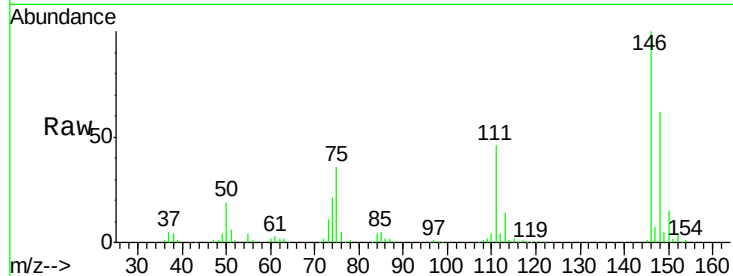




#13
 1,4-Dichlorobenzene
 Concen: 47.06 ng
 RT: 6.62 min Scan# 440
 Delta R.T. 0.00 min
 Lab File: BF088255.D
 Acq: 22 Jun 2016 17:53

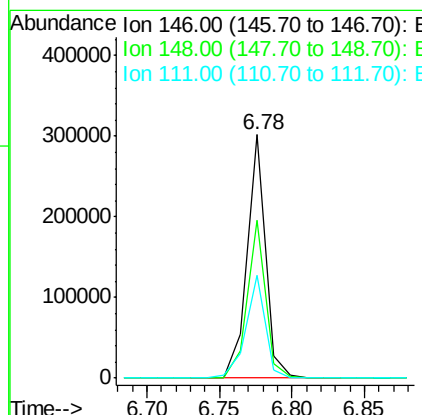
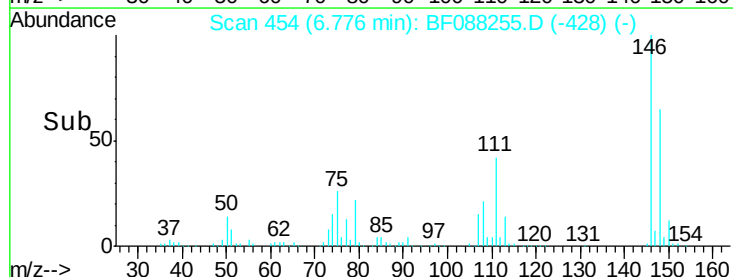
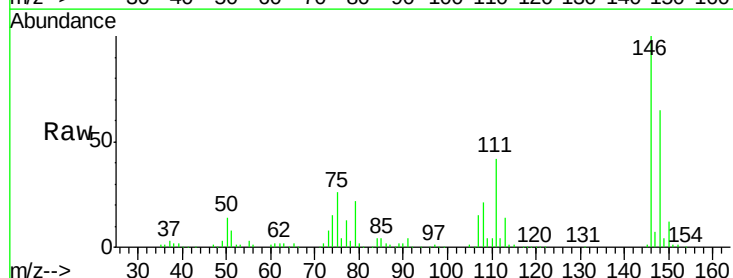
Instrument :
 BNA_F
 ClientSampleId :
 SB-1(3.5-4)MSD

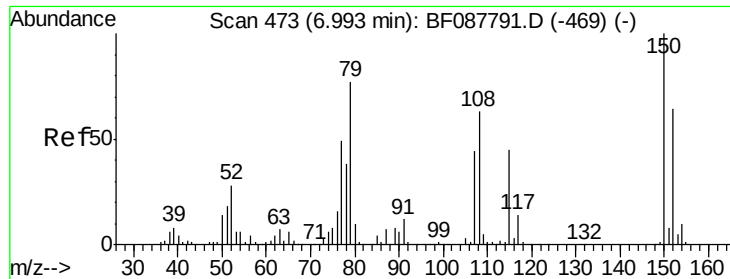
Tgt Ion:146 Resp: 287413
 Ion Ratio Lower Upper
 146 100
 148 62.0 52.0 78.0
 111 46.0 33.8 50.8



#14
 1,2-Dichlorobenzene
 Concen: 47.89 ng
 RT: 6.78 min Scan# 454
 Delta R.T. 0.00 min
 Lab File: BF088255.D
 Acq: 22 Jun 2016 17:53

Tgt Ion:146 Resp: 265980
 Ion Ratio Lower Upper
 146 100
 148 64.6 52.3 78.5
 111 42.4 28.7 43.1

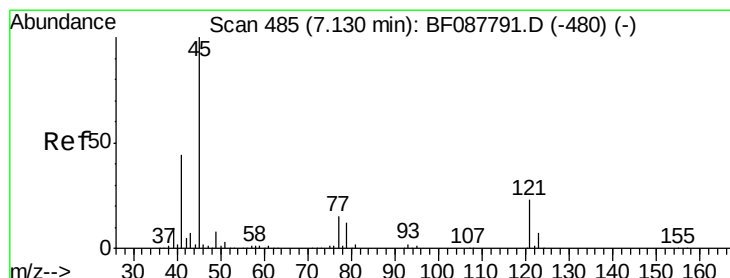
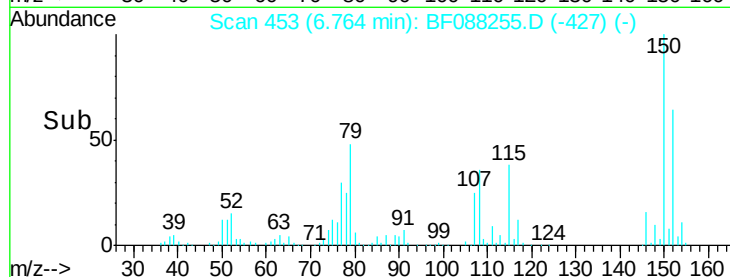
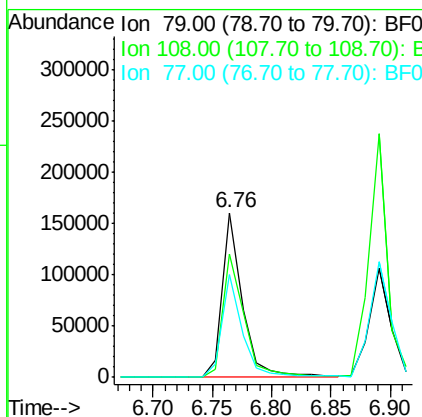
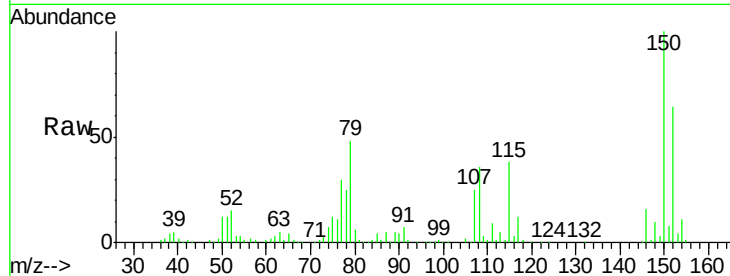




#15
Benzyl Alcohol
Concen: 42.05 ng
RT: 6.76 min Scan# 453
Delta R.T. 0.00 min
Lab File: BF088255.D
Acq: 22 Jun 2016 17:53

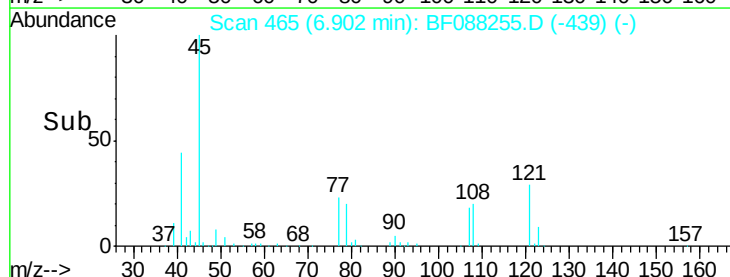
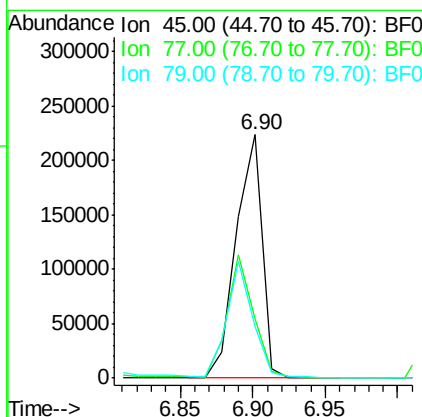
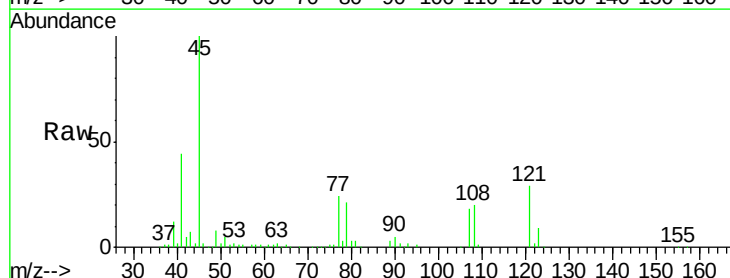
Instrument :
BNA_F
ClientSampleId :
SB-1(3.5-4)MSD

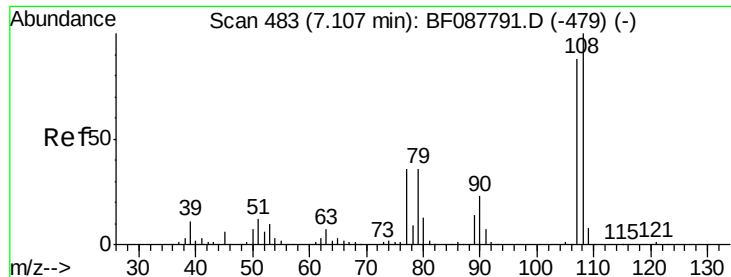
Tgt Ion: 79 Resp: 190338
Ion Ratio Lower Upper
79 100
108 75.0 65.0 97.6
77 62.8 50.3 75.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.67 ng
RT: 6.90 min Scan# 465
Delta R.T. 0.00 min
Lab File: BF088255.D
Acq: 22 Jun 2016 17:53

Tgt Ion: 45 Resp: 278788
Ion Ratio Lower Upper
45 100
77 24.2 0.0 32.5
79 21.0 0.0 29.5

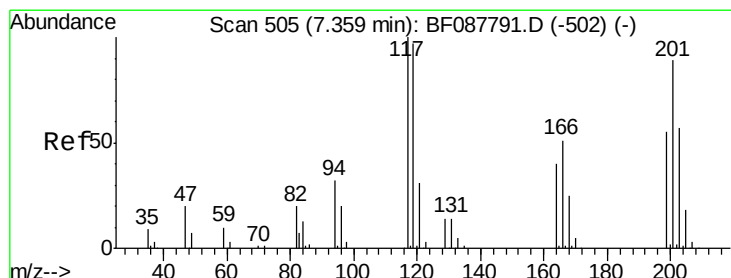
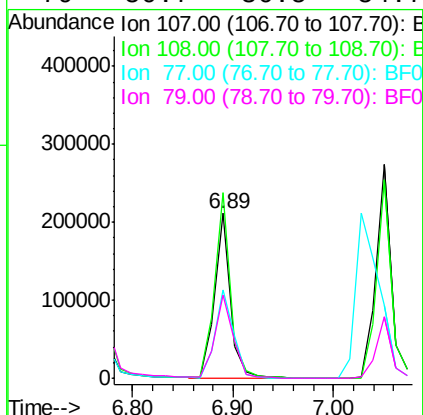
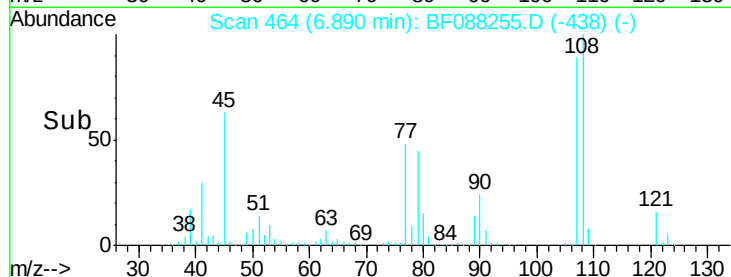
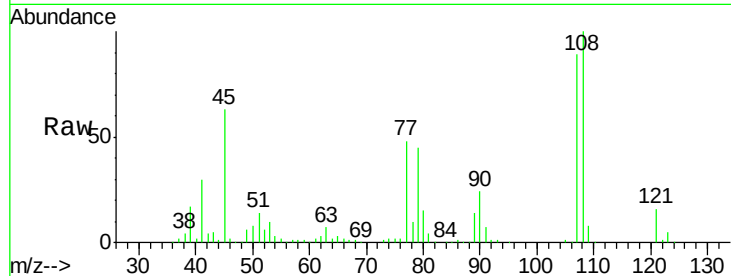




#17
2-Methylphenol
Concen: 50.44 ng
RT: 6.89 min Scan# 464
Delta R.T. 0.00 min
Lab File: BF088255.D
Acq: 22 Jun 2016 17:53

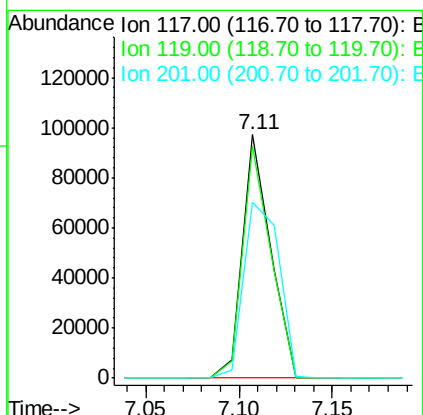
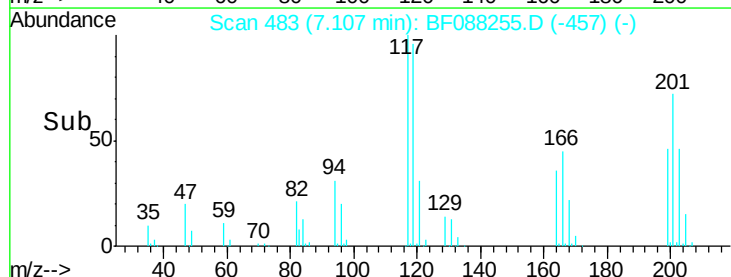
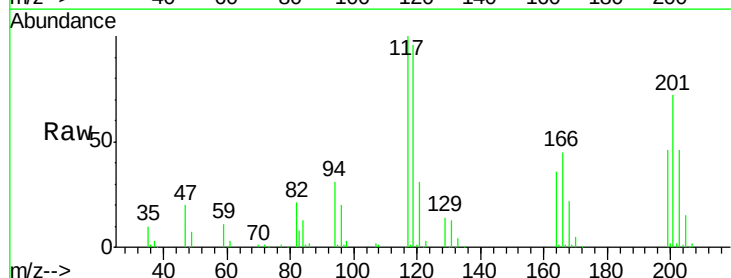
Instrument :
BNA_F
ClientSampleId :
SB-1(3.5-4)MSD

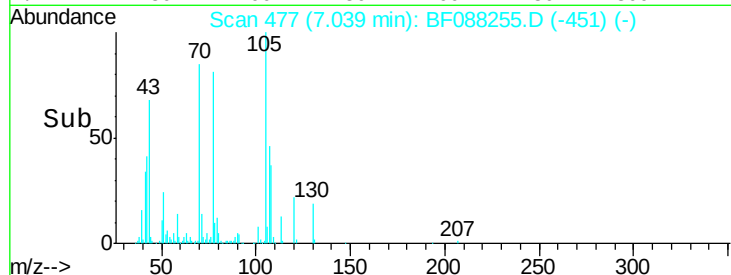
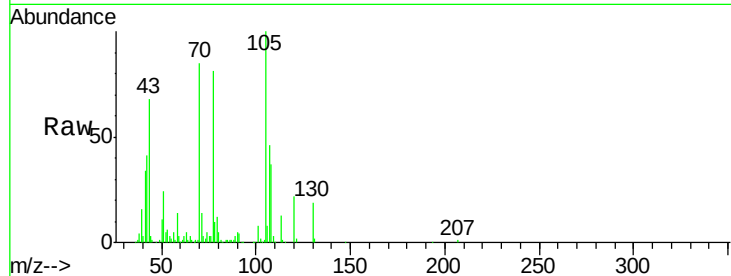
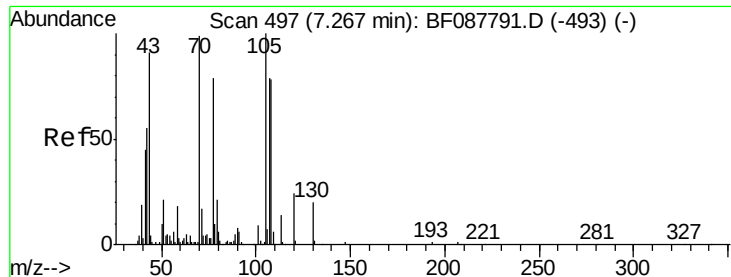
Tgt Ion:	107	Resp:	231151
Ion	Ratio	Lower	Upper
107	100		
108	112.5	90.9	136.3
77	53.7	36.6	55.0
79	50.7	36.5	54.7



#18
Hexachloroethane
Concen: 46.73 ng
RT: 7.11 min Scan# 483
Delta R.T. 0.00 min
Lab File: BF088255.D
Acq: 22 Jun 2016 17:53

Tgt Ion:	117	Resp:	101283
Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.4	116.2
201	72.2	80.4	120.6#

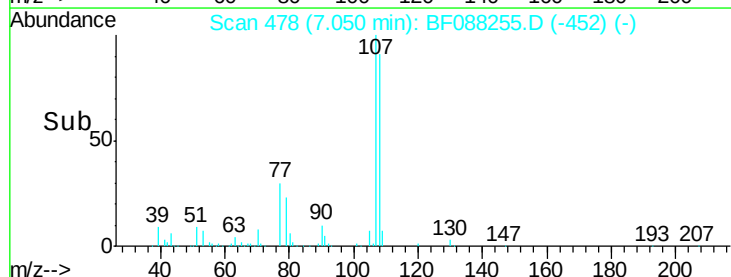
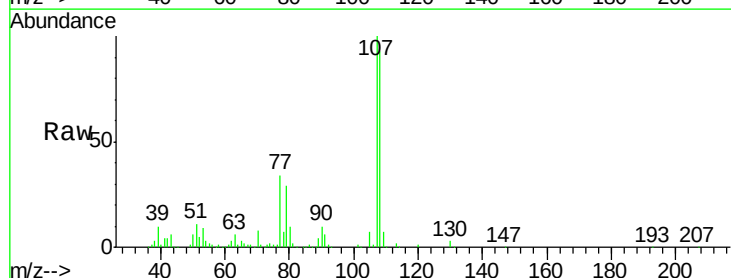
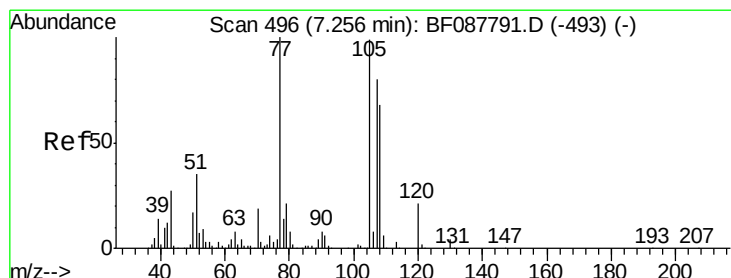
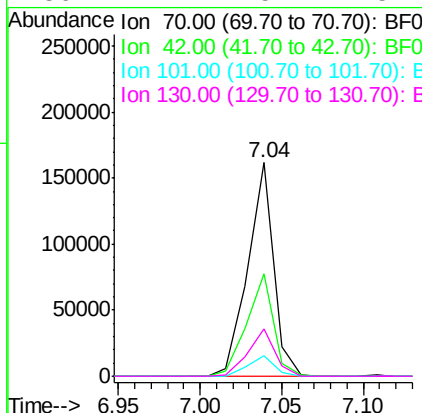




#19
n-Nitroso-di-n-propylamine
Concen: 47.97 ng
RT: 7.04 min Scan# 477
Delta R.T. 0.00 min
Lab File: BF088255.D
Acq: 22 Jun 2016 17:53

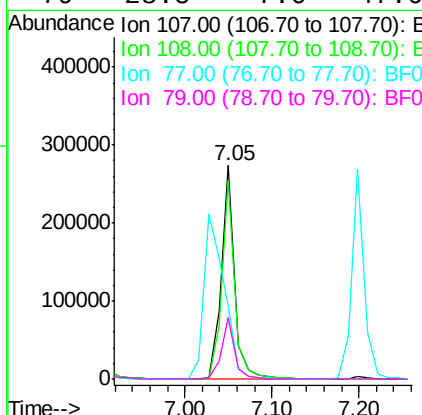
Instrument :
BNA_F
ClientSampleId :
SB-1(3.5-4)MSD

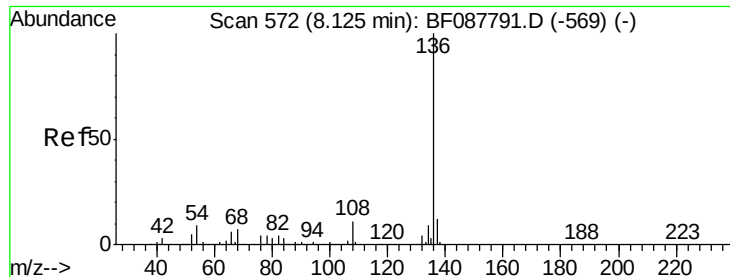
Tgt Ion: 70 Resp: 177535
Ion Ratio Lower Upper
70 100
42 48.1 49.6 74.4#
101 9.8 7.1 10.7
130 22.1 15.4 23.2



#20
3+4-Methylphenols
Concen: 55.27 ng
RT: 7.05 min Scan# 478
Delta R.T. 0.00 min
Lab File: BF088255.D
Acq: 22 Jun 2016 17:53

Tgt Ion: 107 Resp: 295543
Ion Ratio Lower Upper
107 100
108 92.6 67.8 107.8
77 34.2 59.3 99.3#
79 28.5 7.0 47.0

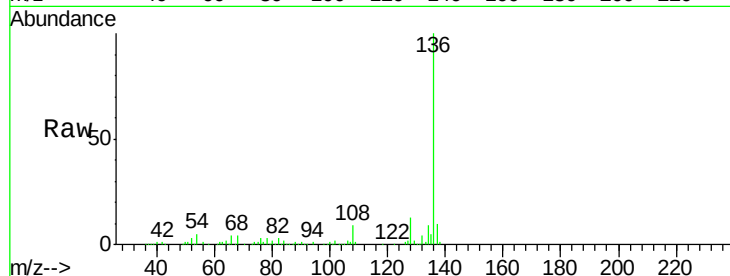




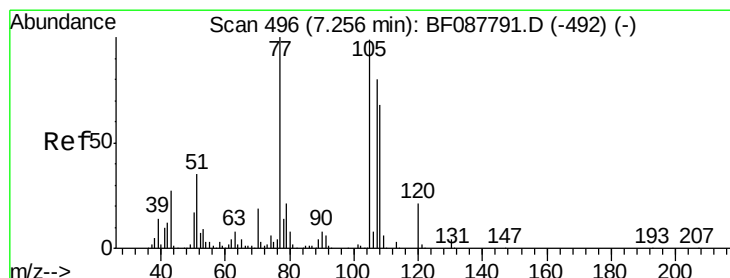
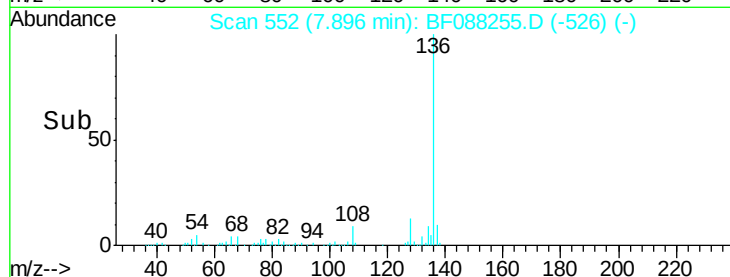
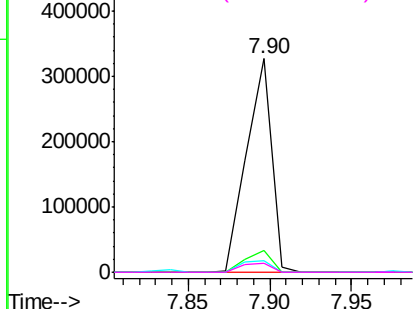
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. 0.00 min
Lab File: BF088255.D
Acq: 22 Jun 2016 17:53

Instrument :
BNA_F
ClientSampleId :
SB-1(3.5-4)MSD

Tgt Ion:	136	Resp:	346935
Ion Ratio	Lower	Upper	
136	100		
137	10.5	9.1	13.7
54	5.2	6.6	10.0#
68	4.4	5.1	7.7#

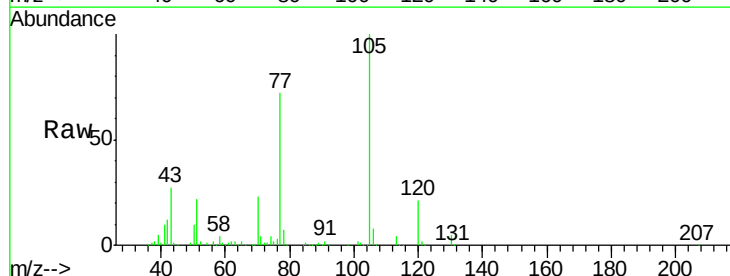


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

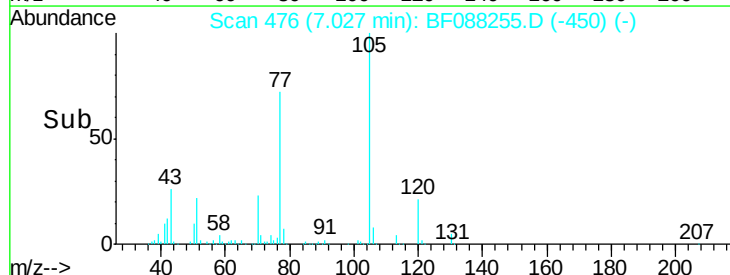
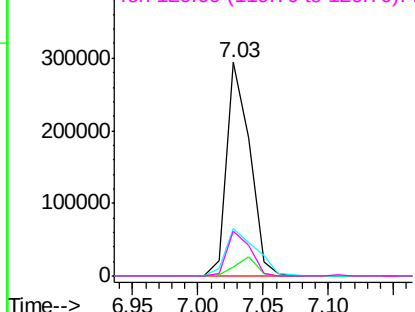


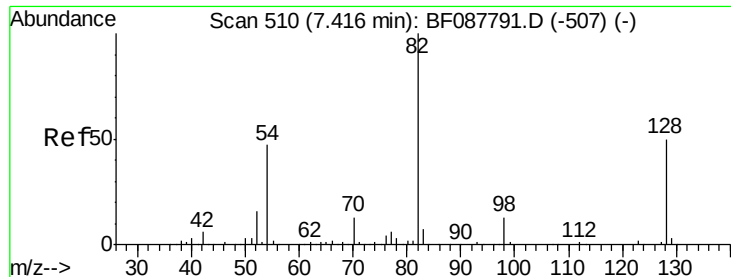
#22
Acetophenone
Concen: 46.82 ng
RT: 7.03 min Scan# 476
Delta R.T. 0.00 min
Lab File: BF088255.D
Acq: 22 Jun 2016 17:53

Tgt Ion:	105	Resp:	362986
Ion Ratio	Lower	Upper	
105	100		
71	3.9	5.3	7.9#
51	22.5	18.2	27.4
120	21.2	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: 90.05 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.01 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

Instrument :

BNA_F

ClientSampleId :

SB-1(3.5-4)MSD

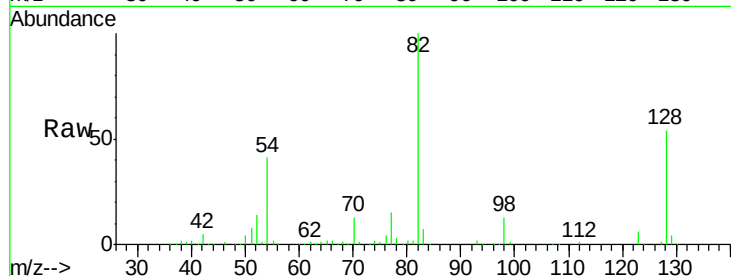
Tgt Ion: 82 Resp: 535034

Ion Ratio Lower Upper

82 100

128 53.8 35.9 53.9

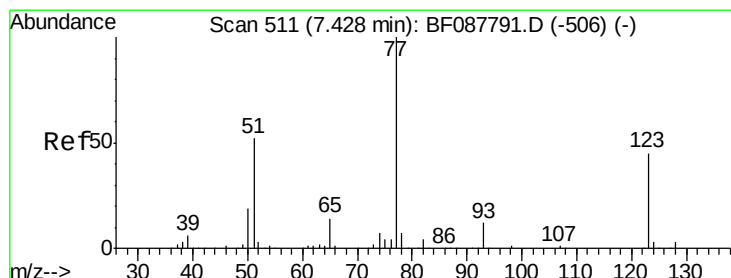
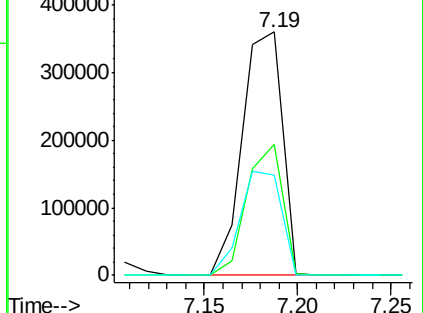
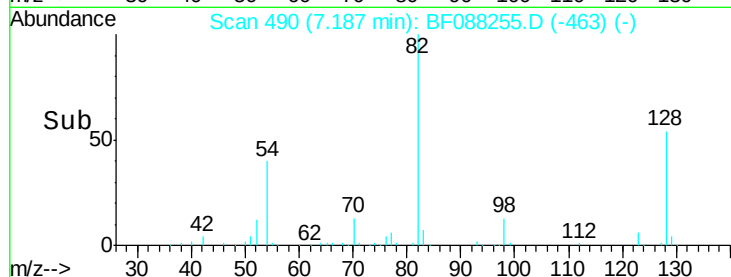
54 41.4 40.9 61.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 47.35 ng

RT: 7.20 min Scan# 491

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

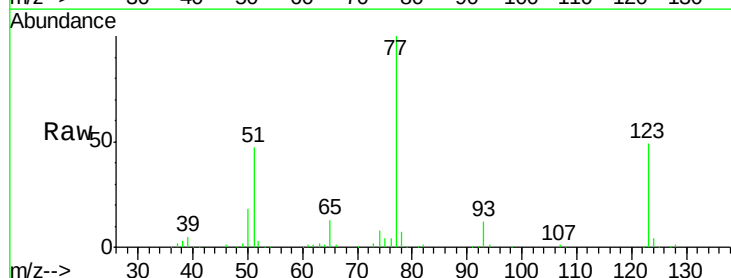
Tgt Ion: 77 Resp: 272502

Ion Ratio Lower Upper

77 100

123 48.6 45.0 67.4

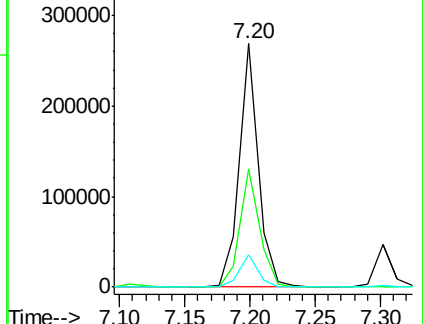
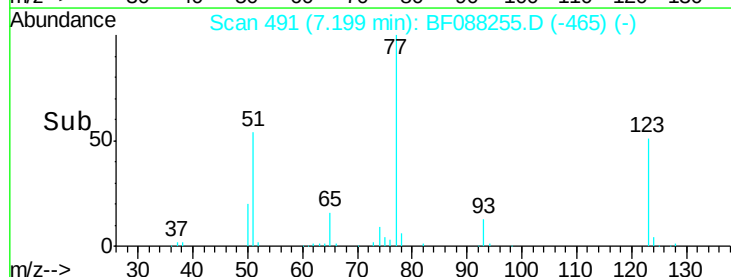
65 13.2 10.2 15.2

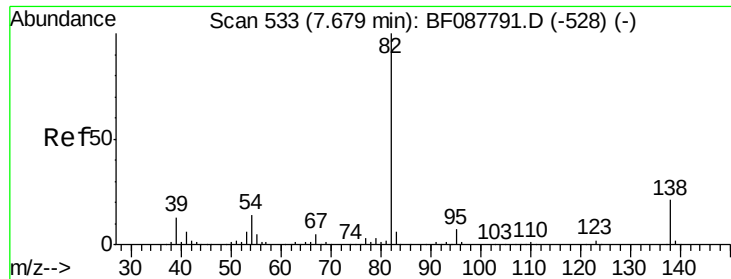


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): B

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 47.86 ng

RT: 7.44 min Scan# 512

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

Instrument :

BNA_F

ClientSampleId :

SB-1(3.5-4)MSD

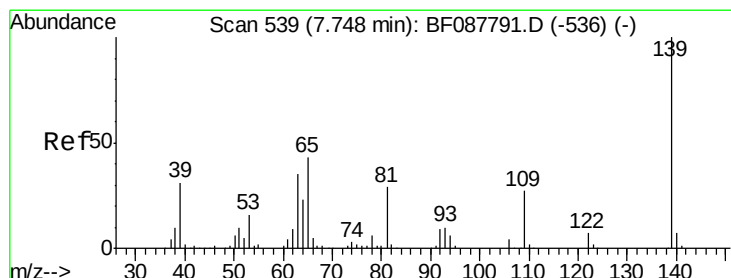
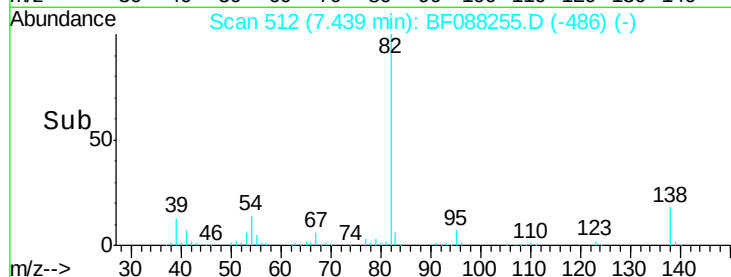
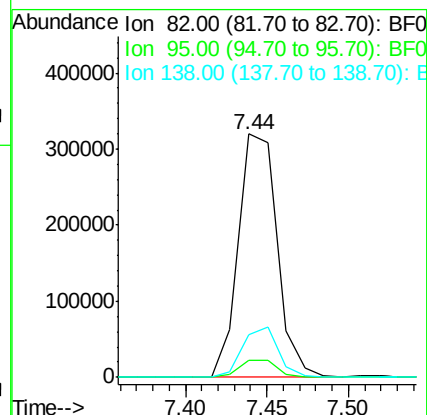
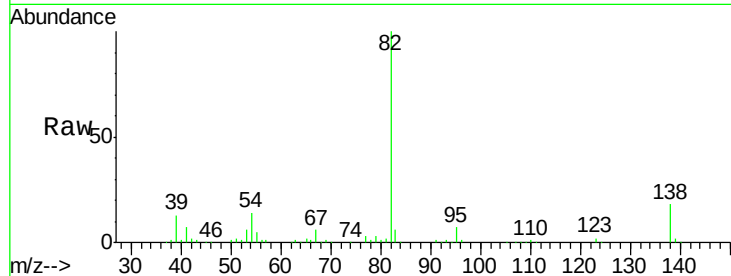
Tgt Ion: 82 Resp: 526713

Ion Ratio Lower Upper

82 100

95 7.0 5.4 8.2

138 17.7 14.6 21.8



#26

2-Nitrophenol

Concen: 54.00 ng

RT: 7.52 min Scan# 519

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

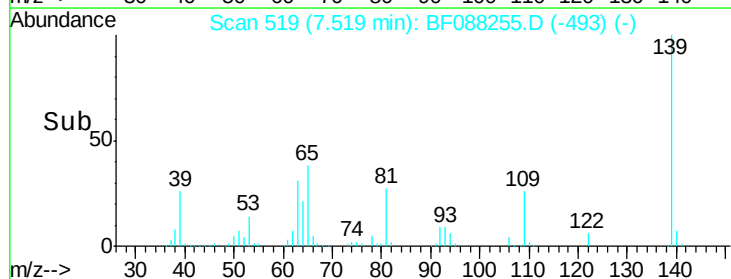
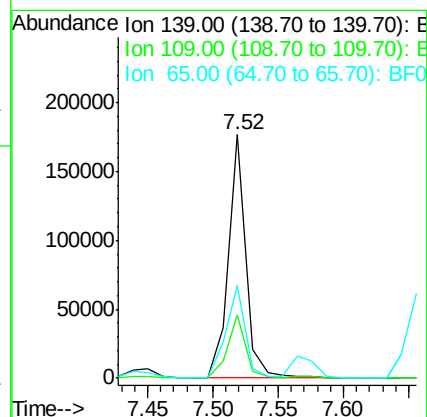
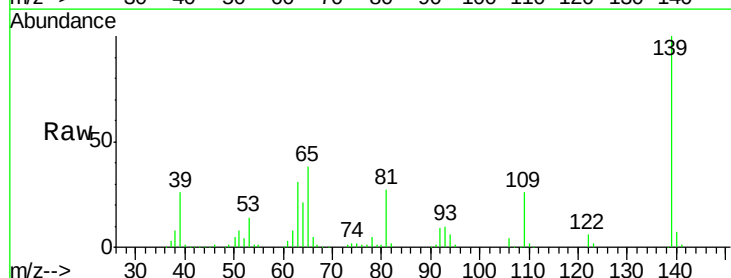
Tgt Ion: 139 Resp: 166464

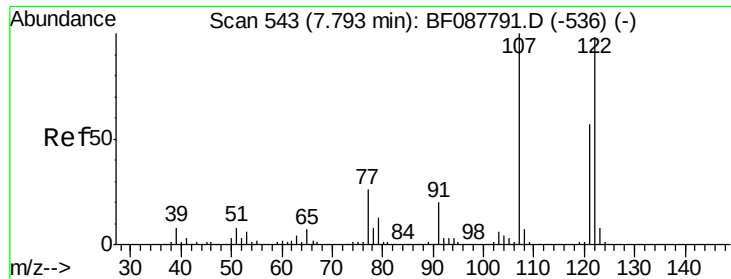
Ion Ratio Lower Upper

139 100

109 26.0 23.0 34.4

65 38.3 45.8 68.8#





#27

2,4-Dimethylphenol

Concen: 45.28 ng

RT: 7.58 min Scan# 524

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

Instrument :

BNA_F

ClientSampleId :

SB-1(3.5-4)MSD

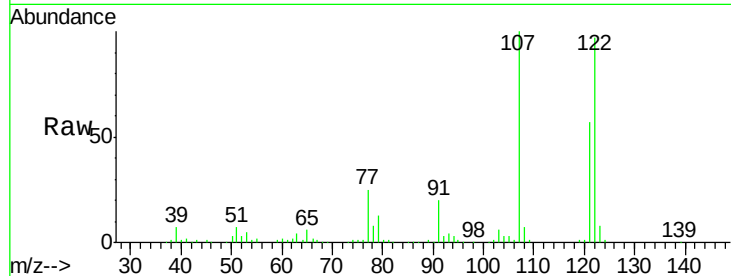
Tgt Ion:122 Resp: 257003

Ion Ratio Lower Upper

122 100

107 103.0 82.4 123.6

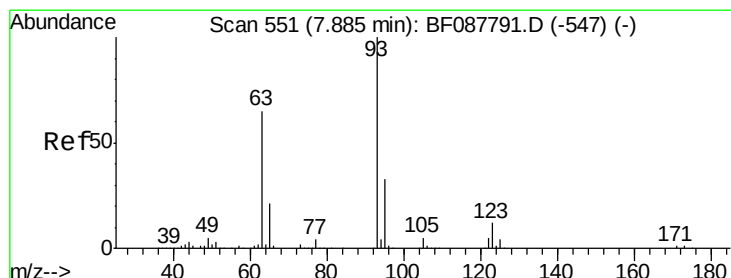
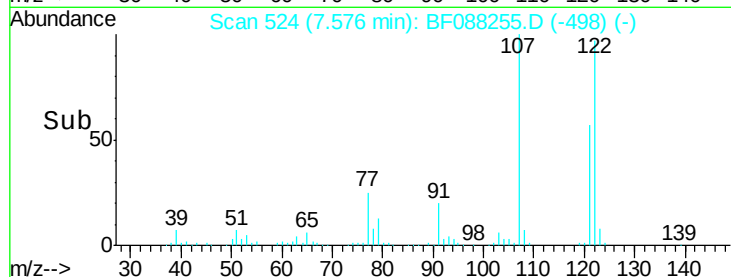
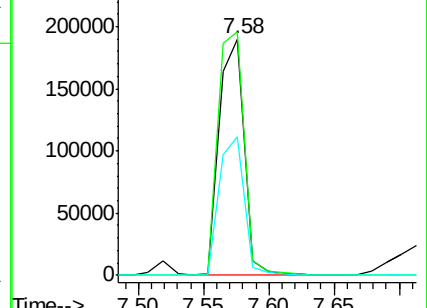
121 58.7 46.3 69.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 47.09 ng

RT: 7.66 min Scan# 531

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

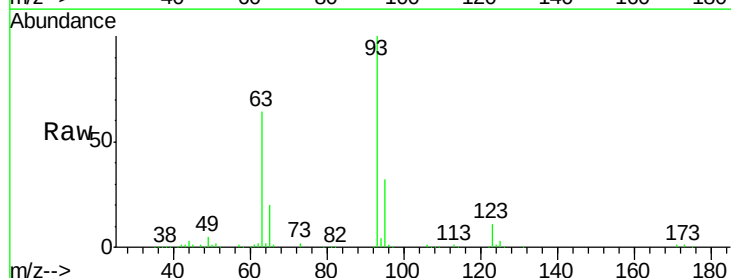
Tgt Ion: 93 Resp: 321418

Ion Ratio Lower Upper

93 100

95 32.5 26.5 39.7

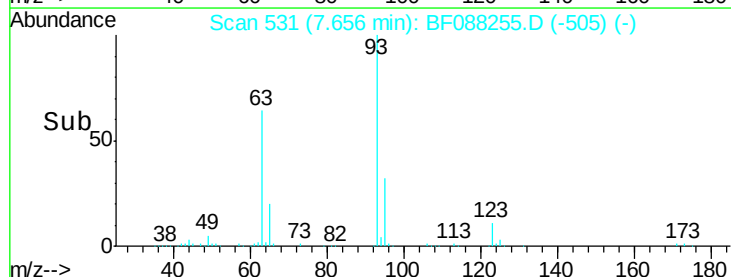
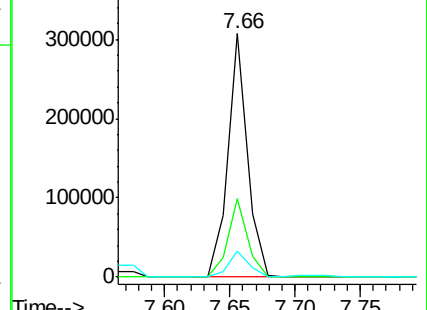
123 10.6 11.6 17.4#

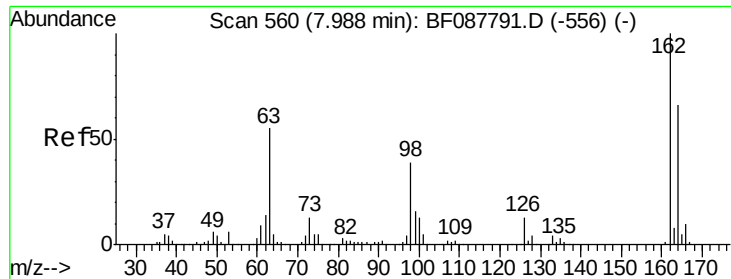


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

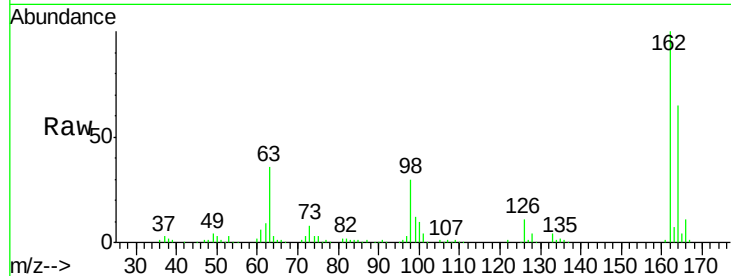




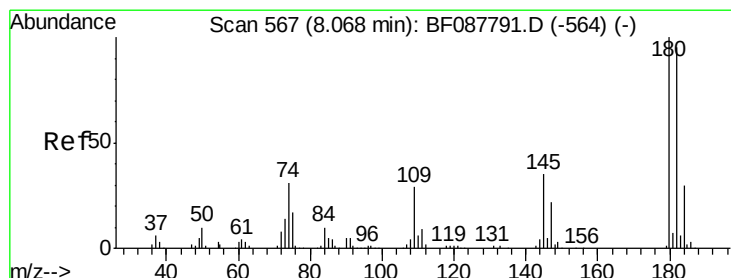
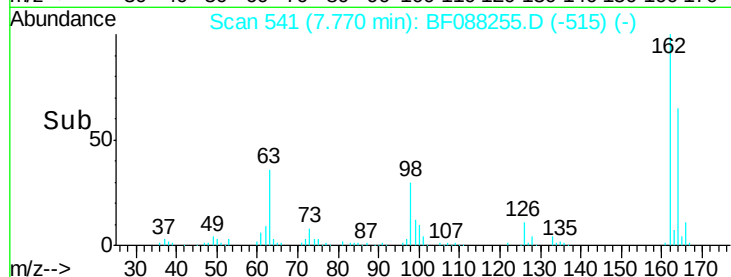
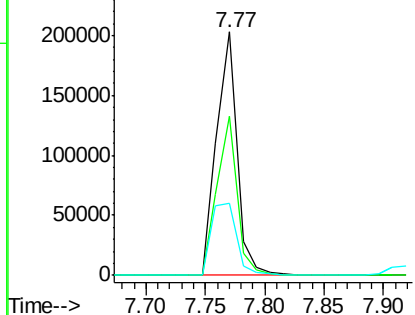
#29
2,4-Dichlorophenol
Concen: 51.08 ng
RT: 7.77 min Scan# 541
Delta R.T. 0.00 min
Lab File: BF088255.D
Acq: 22 Jun 2016 17:53

Instrument :
BNA_F
ClientSampleId :
SB-1(3.5-4)MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.5	43.8	83.8
98	29.8	21.3	61.3

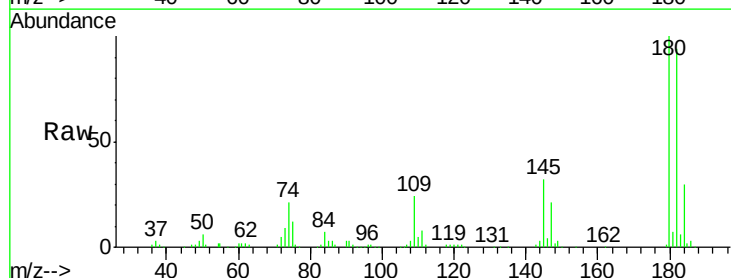


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

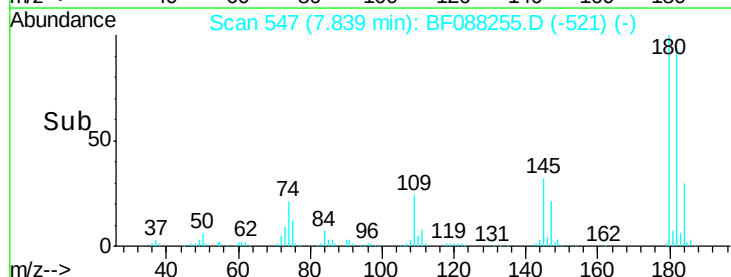
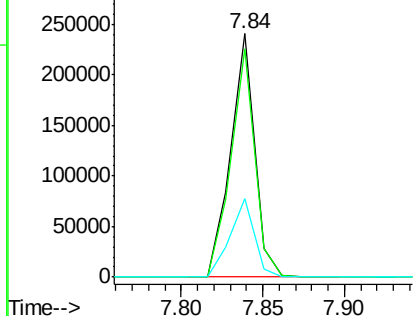


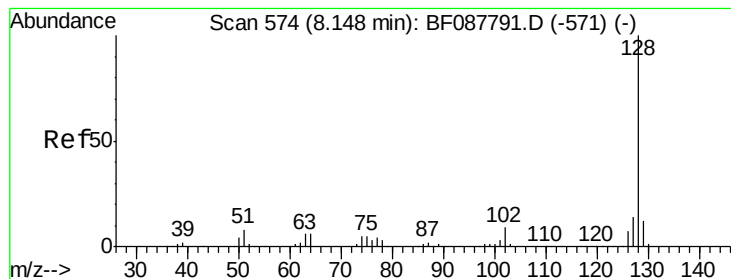
#30
1,2,4-Trichlorobenzene
Concen: 47.14 ng
RT: 7.84 min Scan# 547
Delta R.T. 0.00 min
Lab File: BF088255.D
Acq: 22 Jun 2016 17:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.0	114.0
145	32.3	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: 47.00 ng

RT: 7.92 min Scan# 554

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

Instrument :

BNA_F

ClientSampleId :

SB-1(3.5-4)MSD

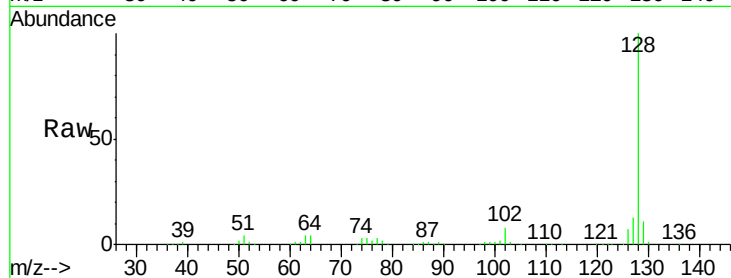
Tgt Ion:128 Resp: 806866

Ion Ratio Lower Upper

128 100

129 10.9 9.4 14.2

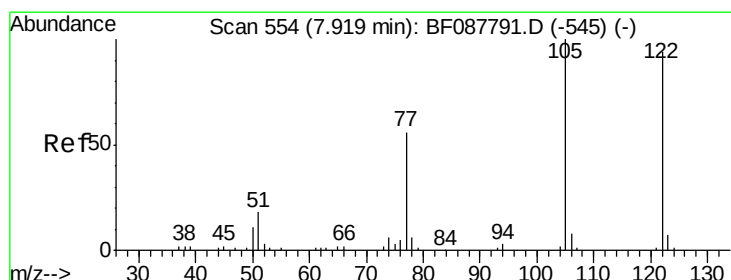
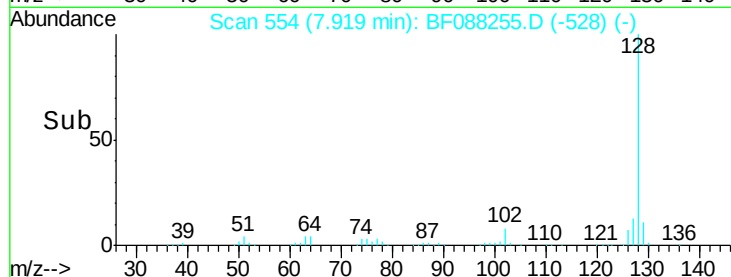
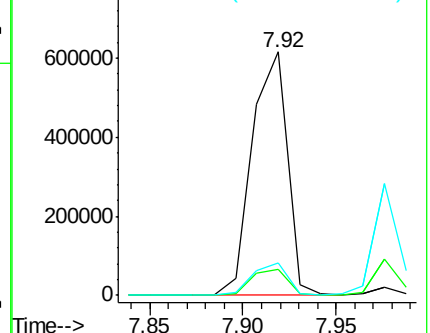
127 13.2 10.9 16.3



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: 20.49 ng

RT: 7.71 min Scan# 536

Delta R.T. -0.01 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

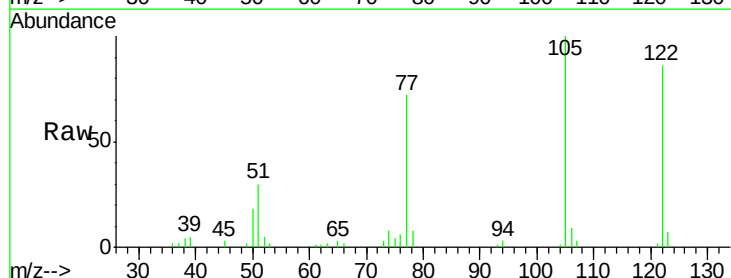
Tgt Ion:122 Resp: 64039

Ion Ratio Lower Upper

122 100

105 116.0 101.6 141.6

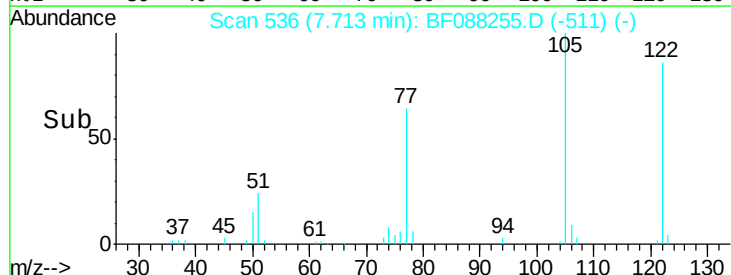
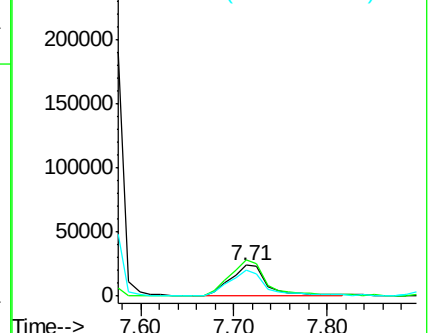
77 83.7 70.6 110.6

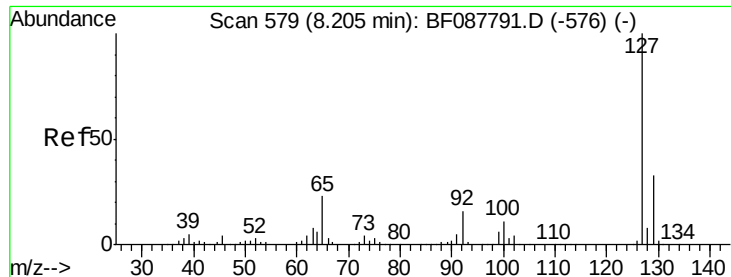


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

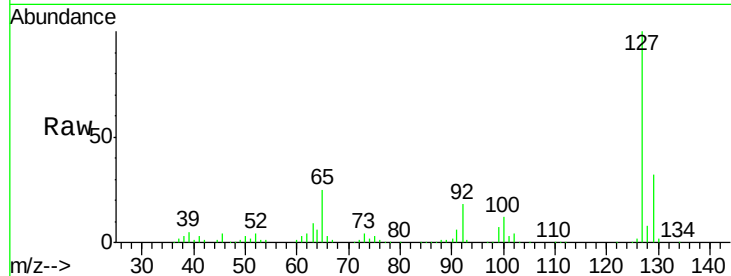




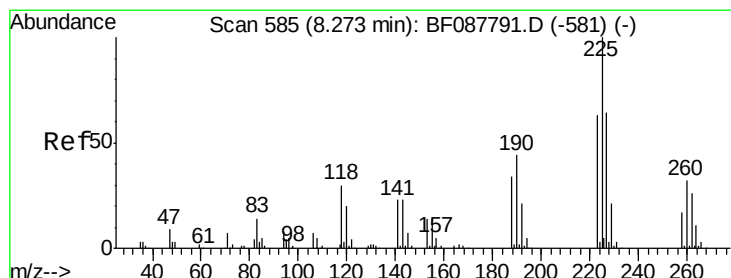
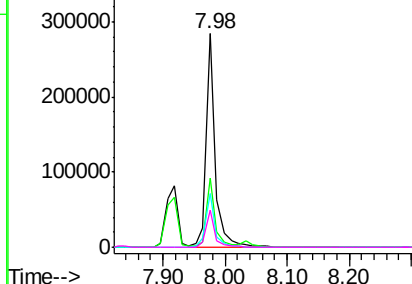
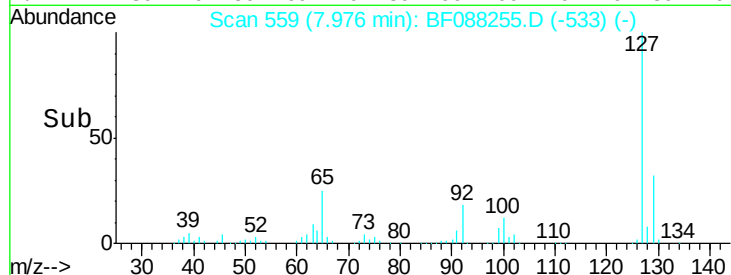
#33
4-Chloroaniline
Concen: 37.60 ng
RT: 7.98 min Scan# 559
Delta R.T. 0.00 min
Lab File: BF088255.D
Acq: 22 Jun 2016 17:53

Instrument :
BNA_F
ClientSampleId :
SB-1(3.5-4)MSD

Tgt Ion:	127	Resp:	288270
Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.3	39.5
65	25.2	24.7	37.1
92	17.6	15.4	23.0

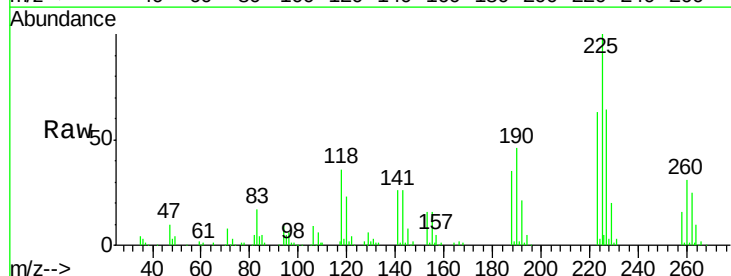


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

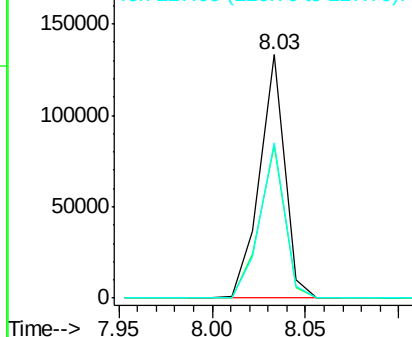
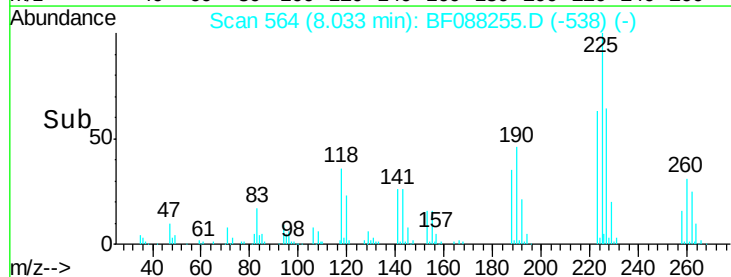


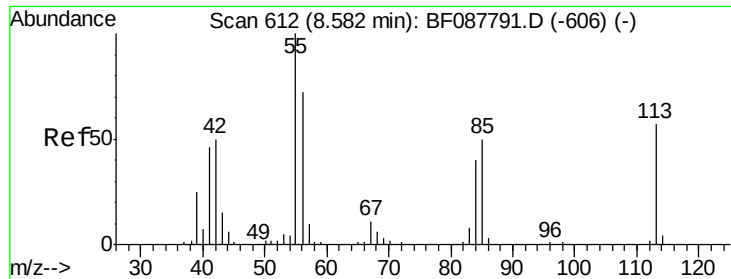
#34
Hexachlorobutadiene
Concen: 45.45 ng
RT: 8.03 min Scan# 564
Delta R.T. 0.00 min
Lab File: BF088255.D
Acq: 22 Jun 2016 17:53

Tgt Ion:	225	Resp:	123700
Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.9	76.3
227	64.0	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

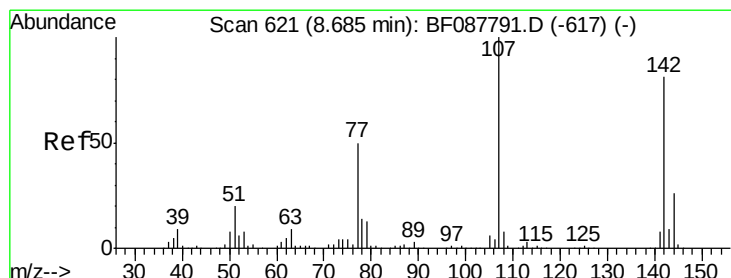
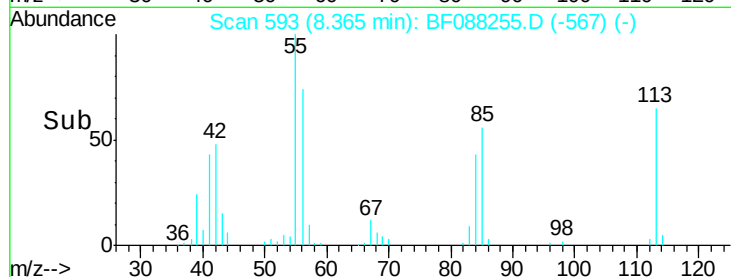
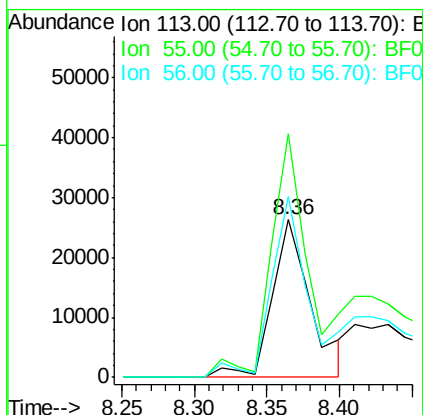
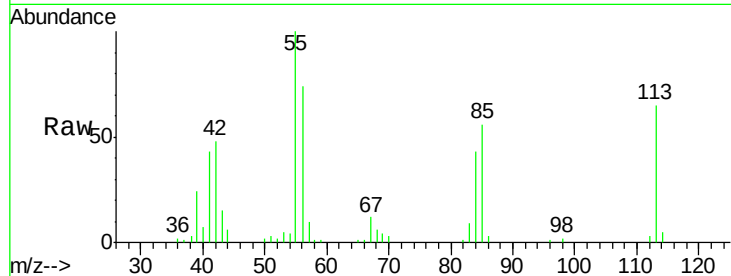




#35
 Caprolactam
 Concen: 30.67 ng
 RT: 8.36 min Scan# 593
 Delta R.T. 0.00 min
 Lab File: BF088255.D
 Acq: 22 Jun 2016 17:53

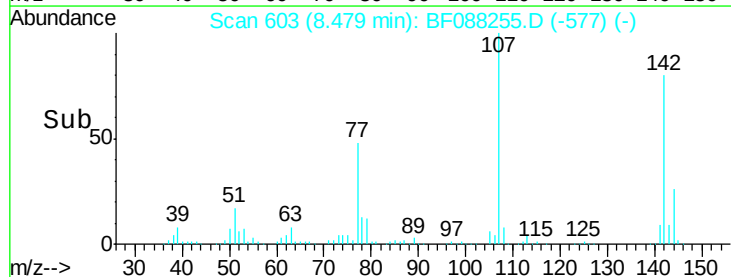
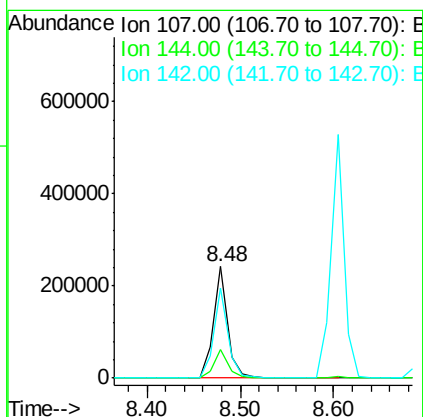
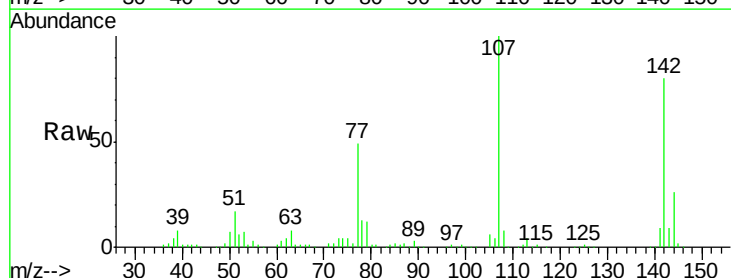
Instrument :
 BNA_F
 ClientSampleId :
 SB-1(3.5-4)MSD

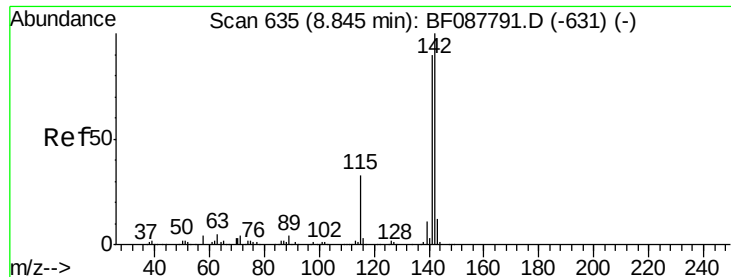
Tgt Ion:113 Resp: 48146
 Ion Ratio Lower Upper
 113 100
 55 154.8 158.6 198.6#
 56 115.1 110.6 150.6



#36
 4-Chloro-3-methylphenol
 Concen: 50.18 ng
 RT: 8.48 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: BF088255.D
 Acq: 22 Jun 2016 17:53

Tgt Ion:107 Resp: 254323
 Ion Ratio Lower Upper
 107 100
 144 25.9 20.8 31.2
 142 80.4 63.4 95.2

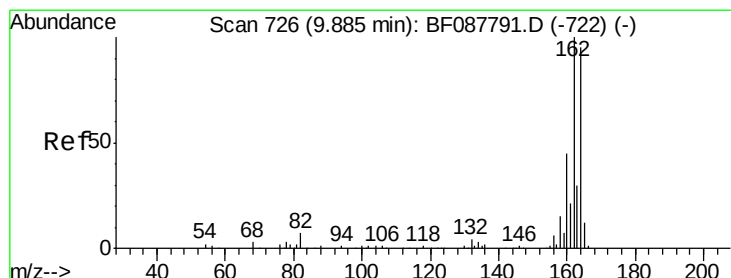
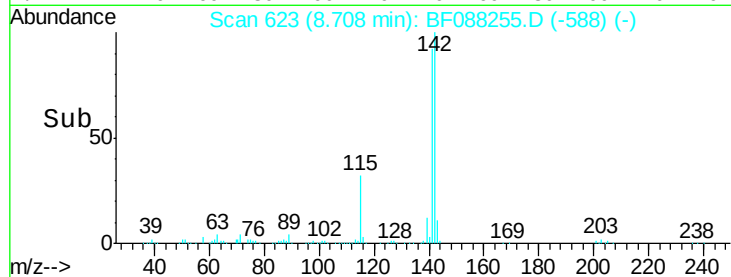
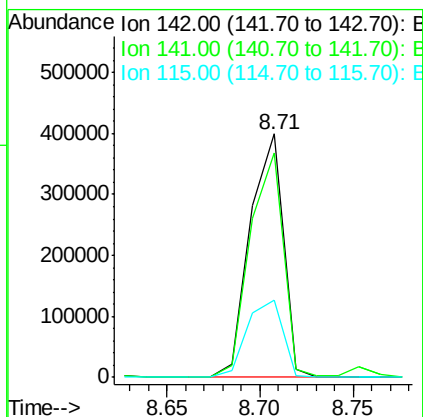
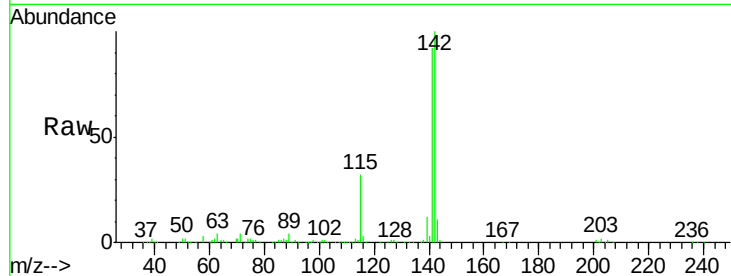




#37
 2-Methylnaphthalene
 Concen: 43.32 ng
 RT: 8.71 min Scan# 623
 Delta R.T. 0.10 min
 Lab File: BF088255.D
 Acq: 22 Jun 2016 17:53

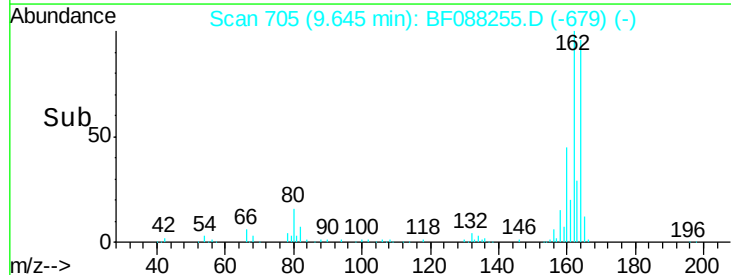
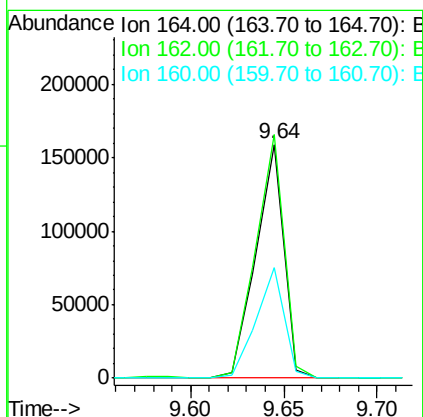
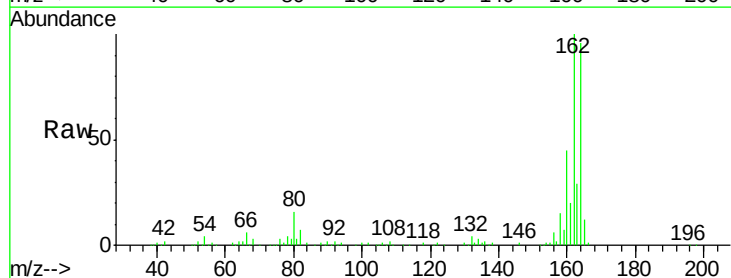
Instrument :
 BNA_F
 ClientSampleId :
 SB-1(3.5-4)MSD

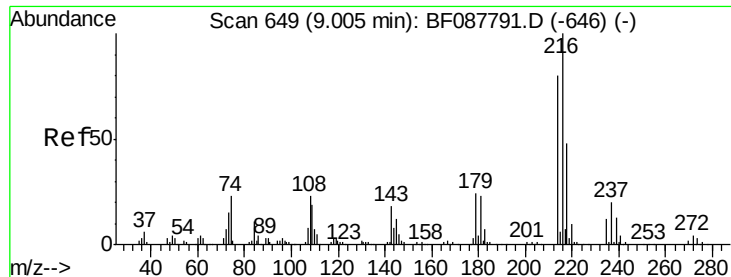
Tgt Ion:142 Resp: 490230
 Ion Ratio Lower Upper
 142 100
 141 92.0 71.0 106.6
 115 31.6 22.6 33.8



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.64 min Scan# 705
 Delta R.T. 0.00 min
 Lab File: BF088255.D
 Acq: 22 Jun 2016 17:53

Tgt Ion:164 Resp: 164432
 Ion Ratio Lower Upper
 164 100
 162 104.2 85.4 128.2
 160 47.2 39.5 59.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 60.79 ng

RT: 8.78 min Scan# 629

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

Instrument :

BNA_F

ClientSampleId :

SB-1(3.5-4)MSD

Tgt Ion:216 Resp: 229537

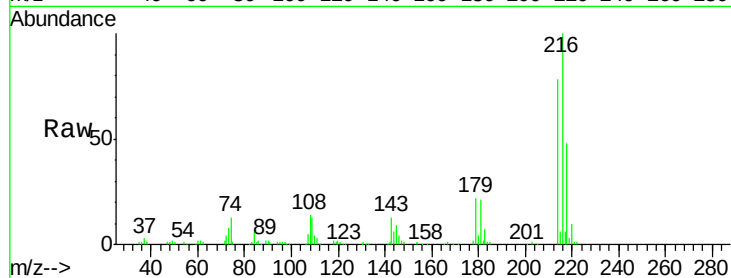
Ion Ratio Lower Upper

216 100

214 78.2 2.9 4.3#

179 22.6 0.0 0.0#

108 19.6 0.5 0.7#

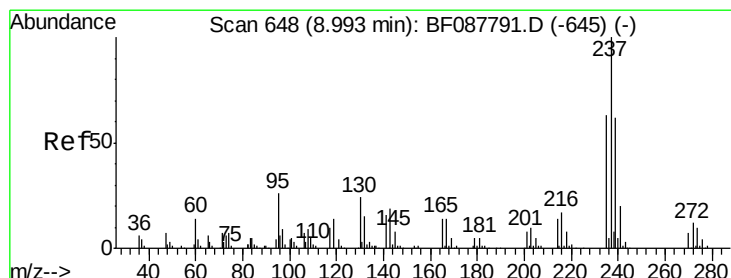
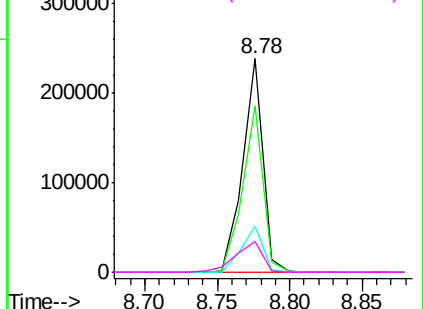
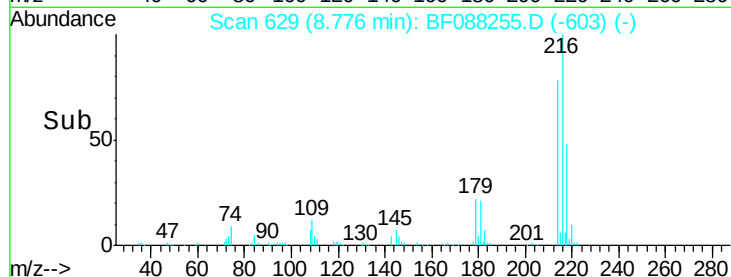


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 41.43 ng

RT: 8.75 min Scan# 627

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

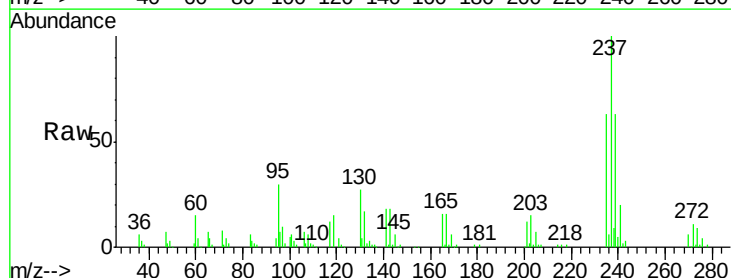
Tgt Ion:237 Resp: 109889

Ion Ratio Lower Upper

237 100

235 63.4 43.4 83.4

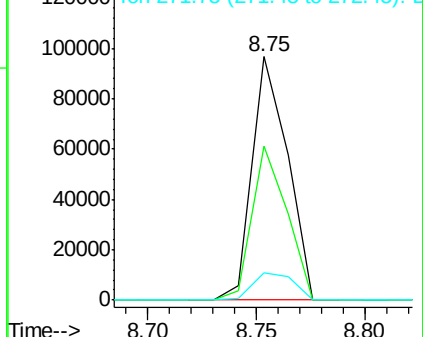
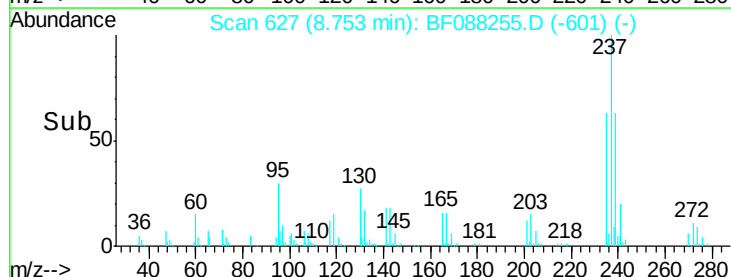
272 11.0 0.0 32.3

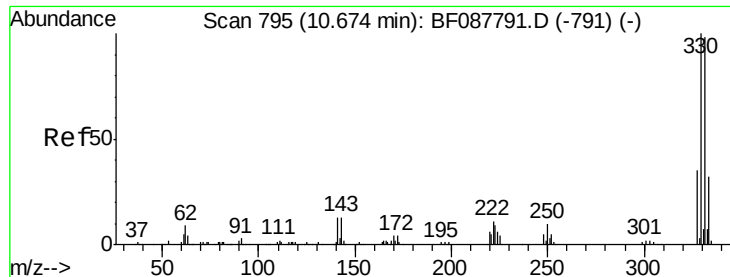


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

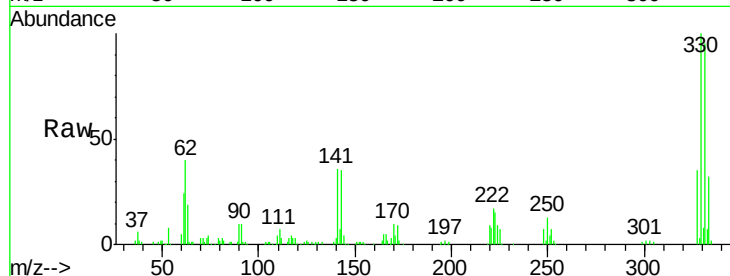




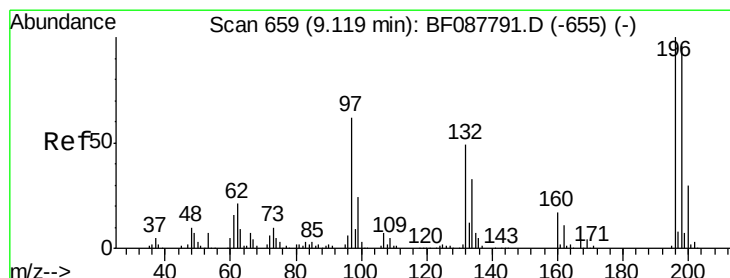
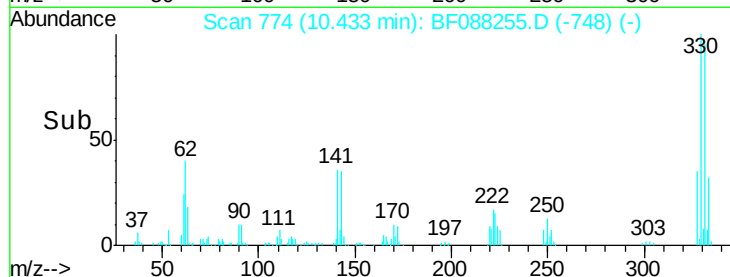
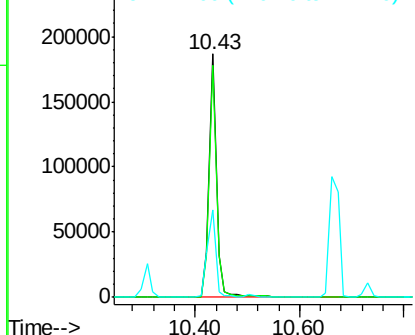
#41
 2,4,6-Tribromophenol
 Concen: 108.70 ng
 RT: 10.43 min Scan# 774
 Delta R.T. 0.00 min
 Lab File: BF088255.D
 Acq: 22 Jun 2016 17:53

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(3.5-4)MSD

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	0.0	0.0#
141	40.1	0.0	0.0#

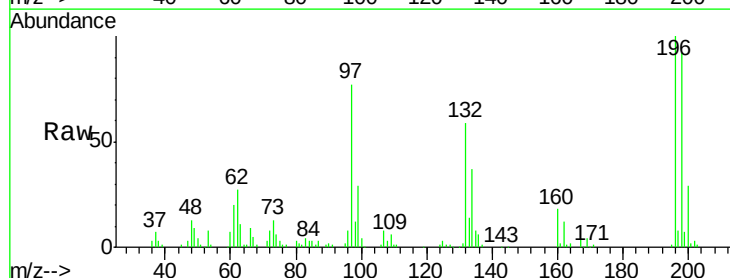


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

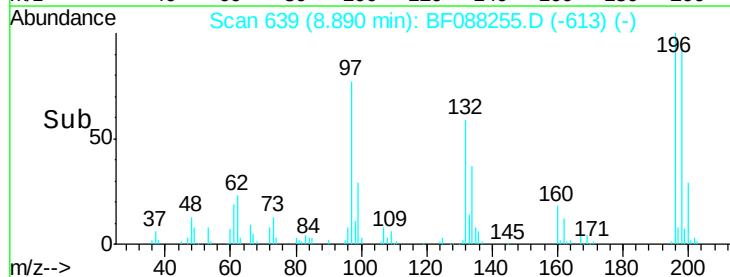
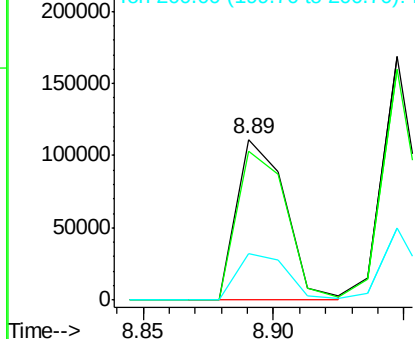


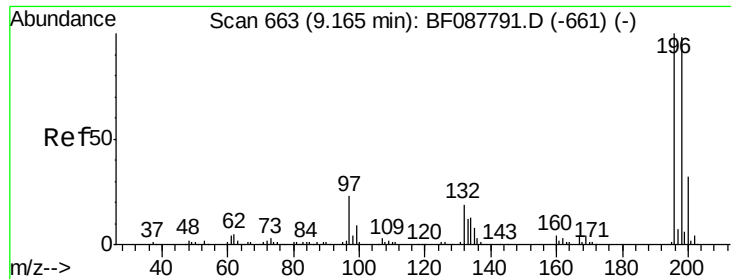
#42
 2,4,6-Trichlorophenol
 Concen: 43.99 ng
 RT: 8.89 min Scan# 639
 Delta R.T. 0.00 min
 Lab File: BF088255.D
 Acq: 22 Jun 2016 17:53

Tgt Ion	Ratio	Lower	Upper
196	100		
198	92.3	78.0	117.0
200	29.1	25.4	38.2



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

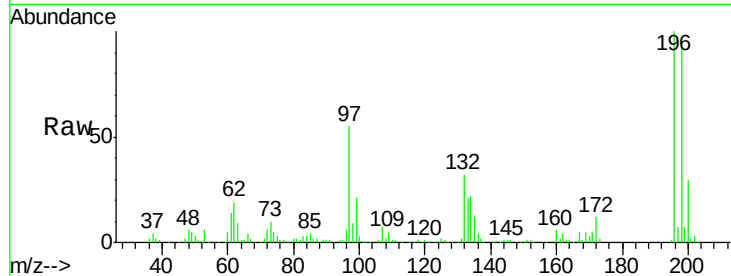




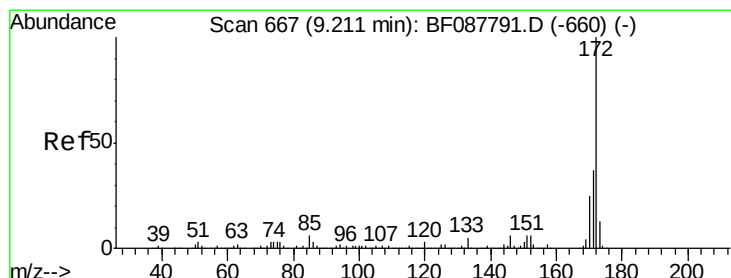
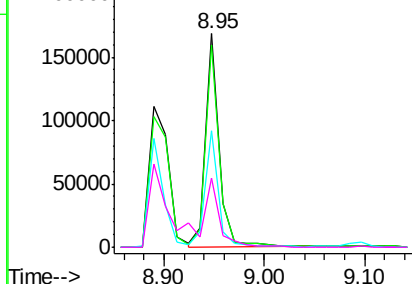
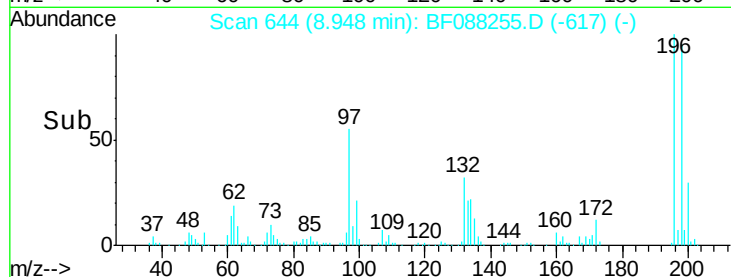
#43
 2,4,5-Trichlorophenol
 Concen: 46.33 ng
 RT: 8.95 min Scan# 644
 Delta R.T. 0.01 min
 Lab File: BF088255.D
 Acq: 22 Jun 2016 17:53

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(3.5-4)MSD

Tgt Ion:196 Resp: 158482
 Ion Ratio Lower Upper
 196 100
 198 94.9 77.5 116.3
 97 54.8 32.0 48.0#
 132 32.4 20.9 31.3#

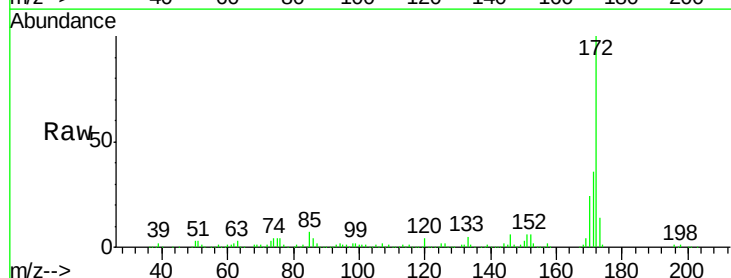


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

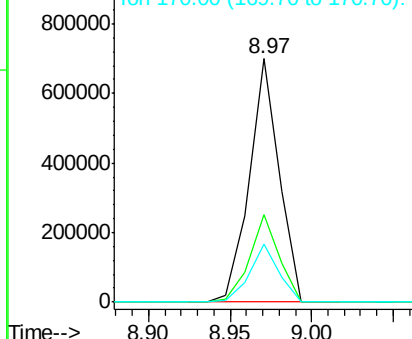
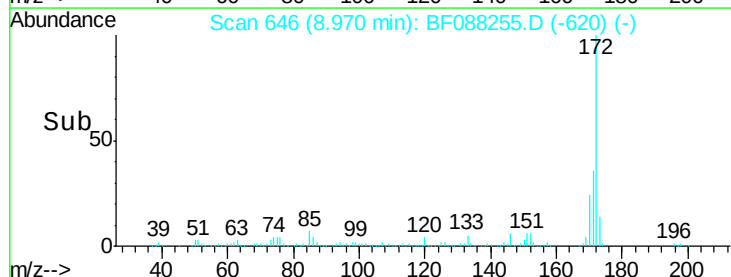


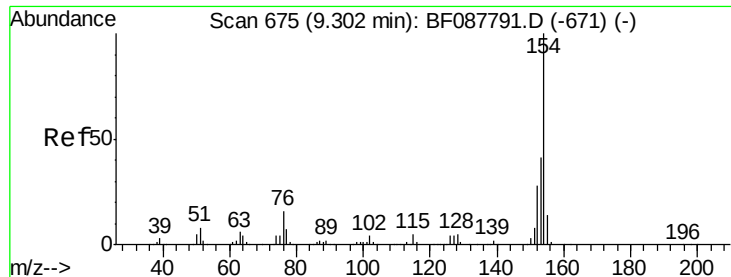
#44
 2-Fluorobiphenyl
 Concen: 84.32 ng
 RT: 8.97 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF088255.D
 Acq: 22 Jun 2016 17:53

Tgt Ion:172 Resp: 883012
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.6 43.0
 170 24.0 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: 54.47 ng

RT: 9.07 min Scan# 655

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

Instrument :

BNA_F

ClientSampleId :

SB-1(3.5-4)MSD

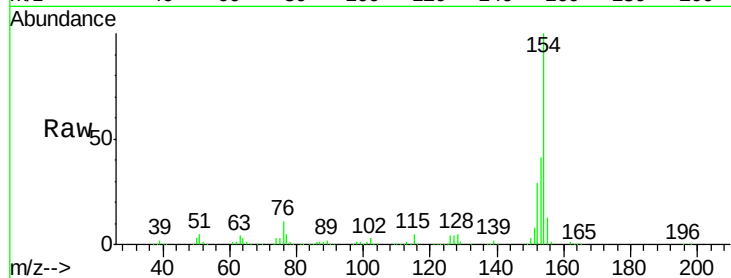
Tgt Ion:154 Resp: 656121

Ion Ratio Lower Upper

154 100

153 40.9 20.6 60.6

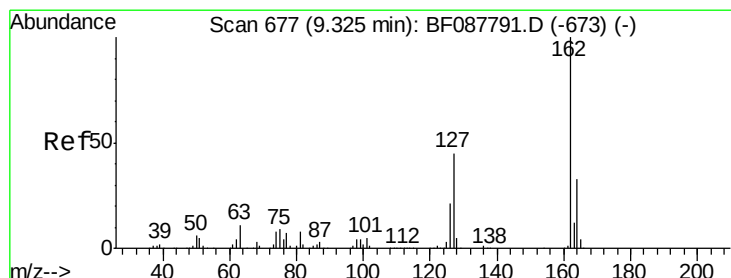
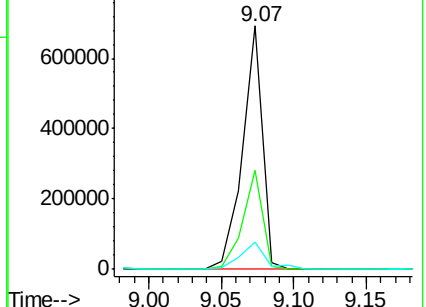
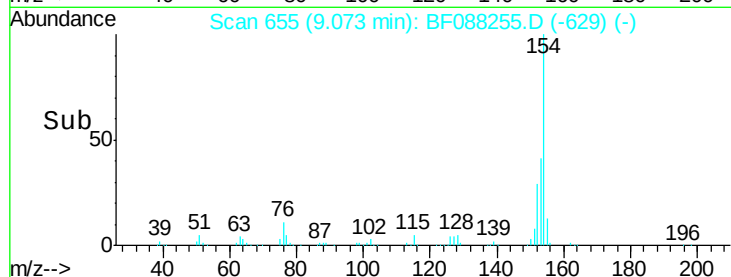
76 11.1 0.0 35.1



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: 48.09 ng

RT: 9.10 min Scan# 657

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

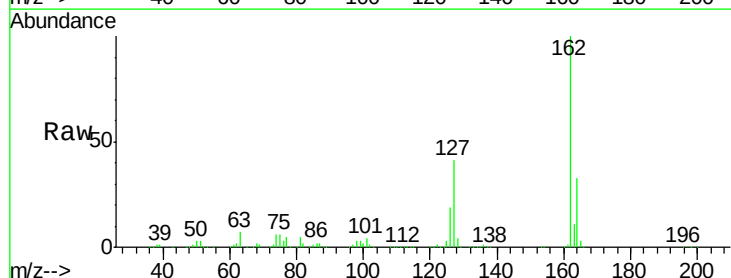
Tgt Ion:162 Resp: 511723

Ion Ratio Lower Upper

162 100

127 40.5 35.2 52.8

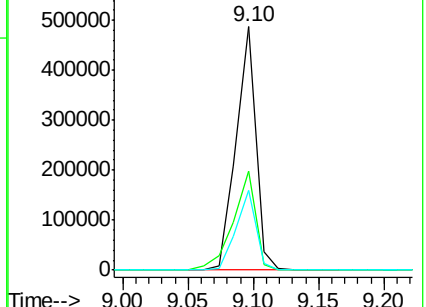
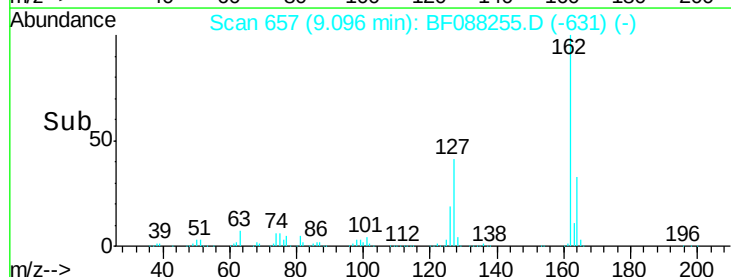
164 33.0 26.6 39.8

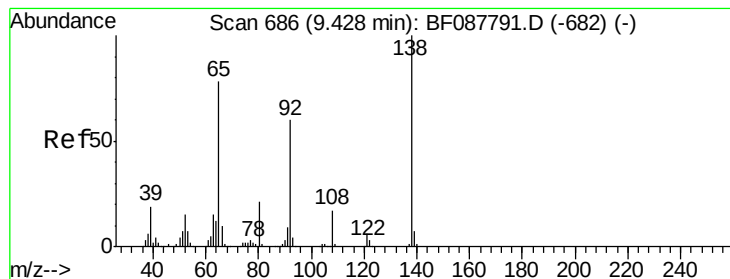


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 43.12 ng

RT: 9.20 min Scan# 666

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

Instrument :

BNA_F

ClientSampleId :

SB-1(3.5-4)MSD

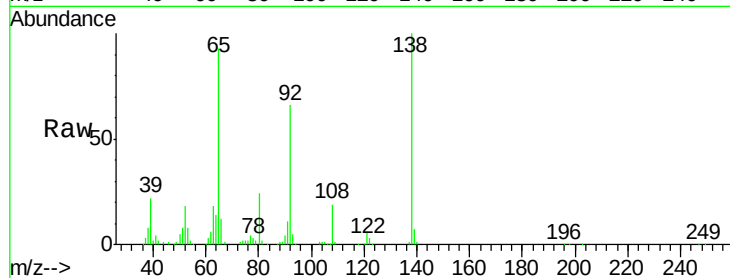
Tgt Ion: 65 Resp: 135336

Ion Ratio Lower Upper

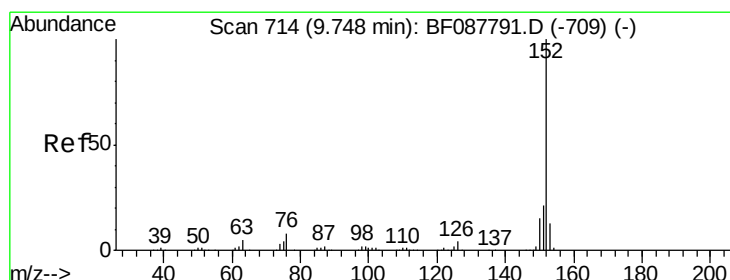
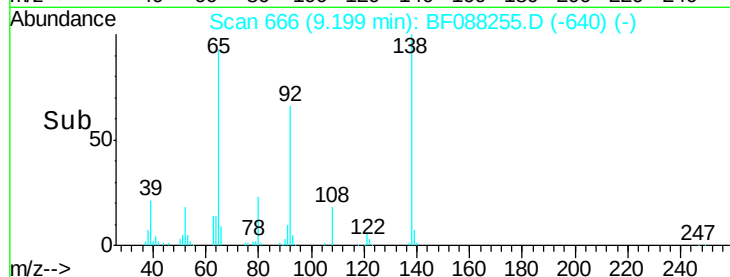
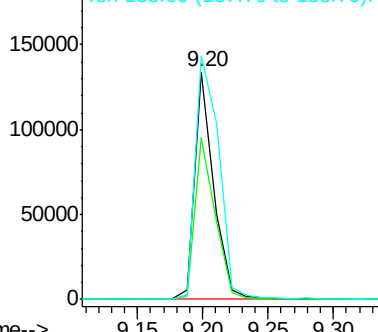
65 100

92 71.1 54.6 82.0

138 107.1 77.0 115.4



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E



#48

Acenaphthylene

Concen: 44.51 ng

RT: 9.51 min Scan# 693

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

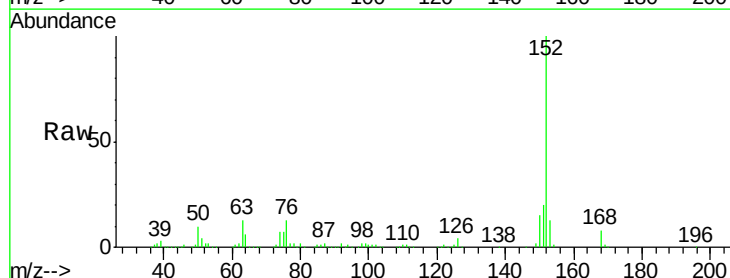
Tgt Ion: 152 Resp: 753304

Ion Ratio Lower Upper

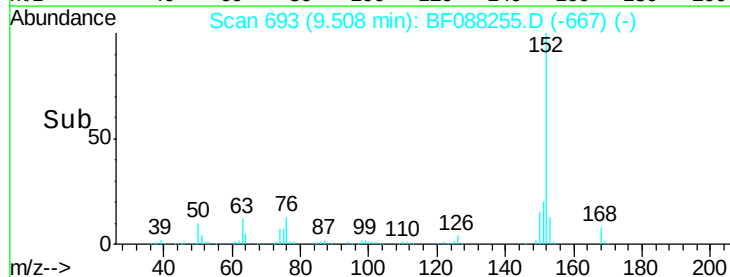
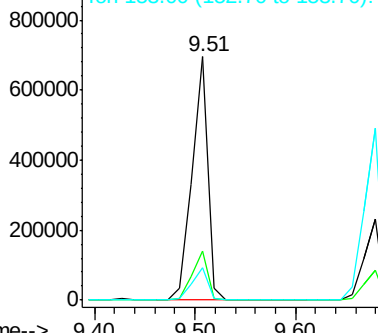
152 100

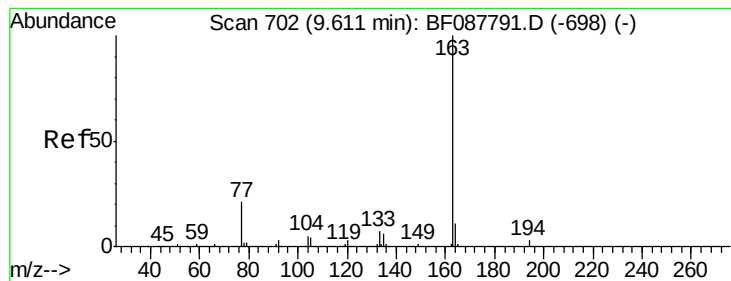
151 20.2 16.2 24.4

153 13.3 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: 71.34 ng

RT: 9.39 min Scan# 683

Delta R.T. 0.01 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

Instrument :

BNA_F

ClientSampleId :

SB-1(3.5-4)MSD

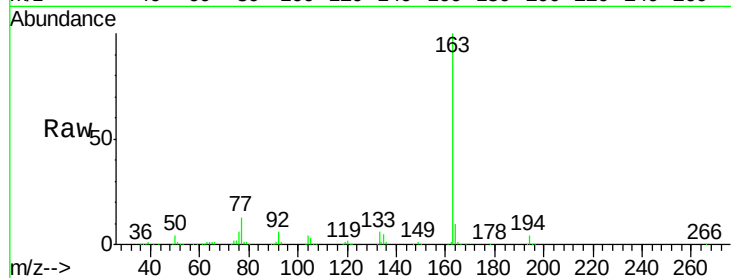
Tgt Ion:163 Resp: 849787

Ion Ratio Lower Upper

163 100

194 3.6 2.8 4.2

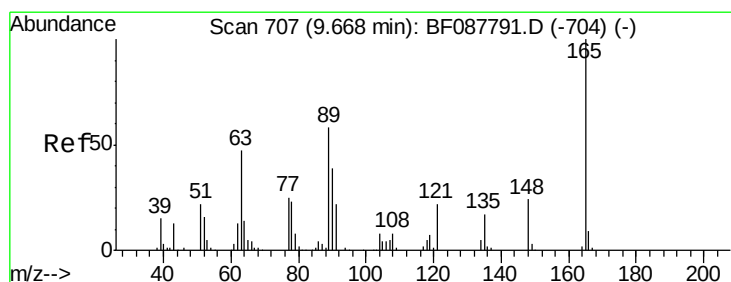
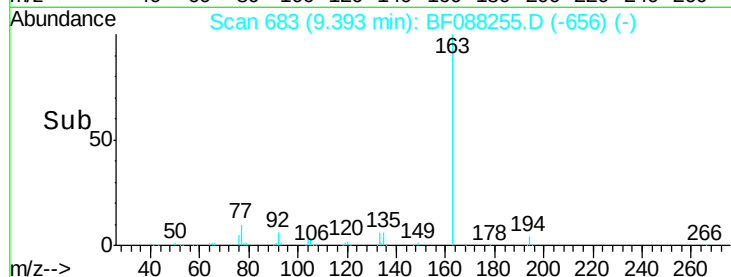
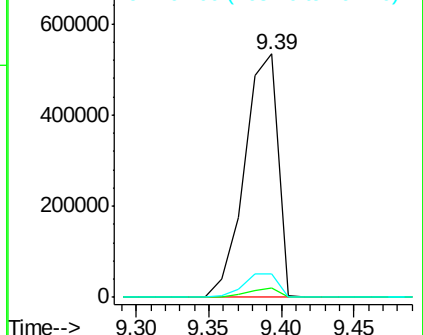
164 9.7 8.3 12.5



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: 54.68 ng

RT: 9.45 min Scan# 688

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

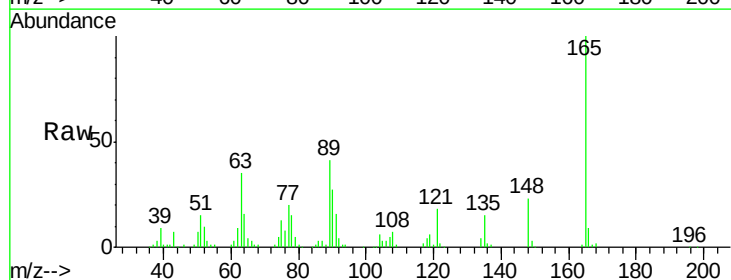
Tgt Ion:165 Resp: 149147

Ion Ratio Lower Upper

165 100

63 35.0 28.1 42.1

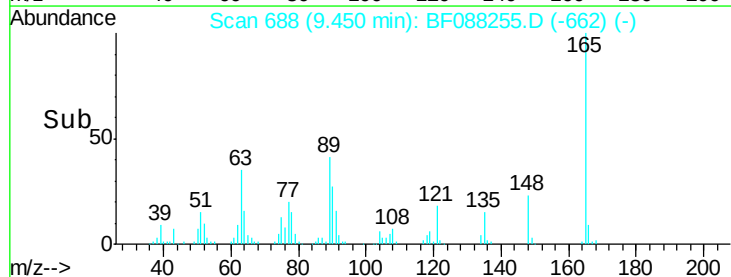
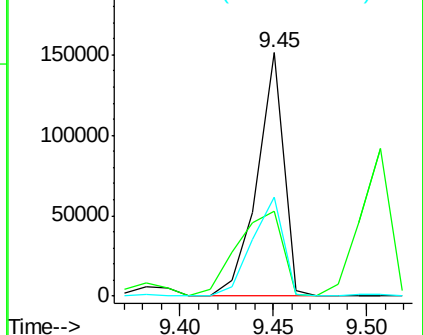
89 40.6 32.2 48.2

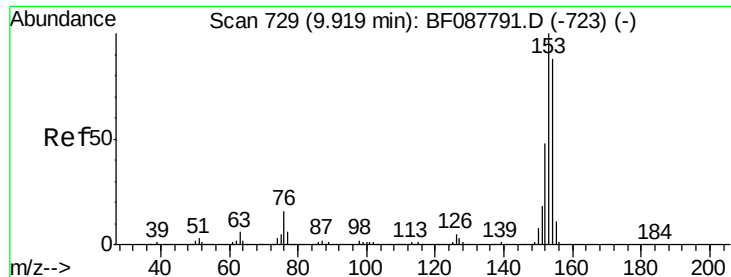


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 45.00 ng

RT: 9.68 min Scan# 708

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

Instrument :

BNA_F

ClientSampleId :

SB-1(3.5-4)MSD

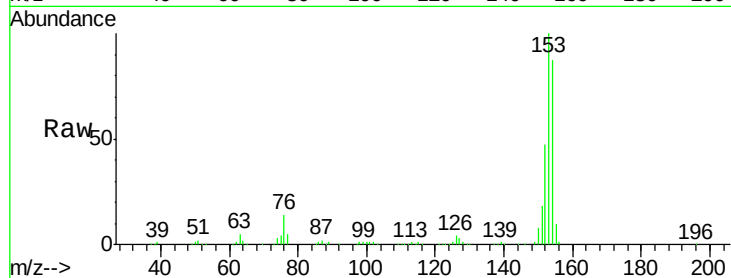
Tgt Ion:154 Resp: 475117

Ion Ratio Lower Upper

154 100

153 114.8 89.5 134.3

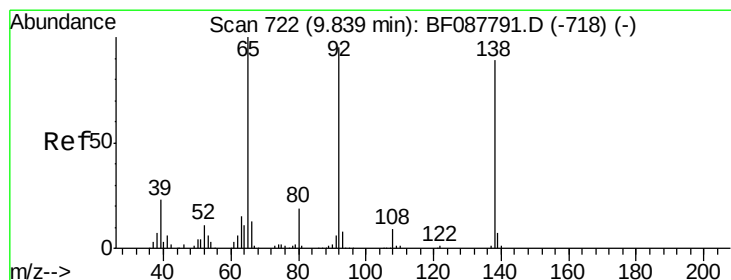
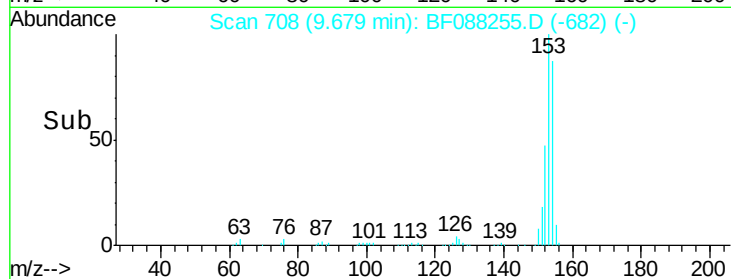
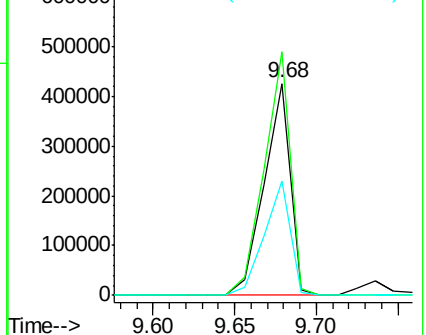
152 54.1 42.7 64.1



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: 40.48 ng

RT: 9.61 min Scan# 702

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

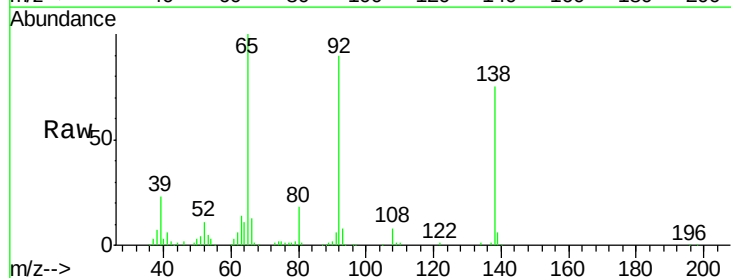
Tgt Ion:138 Resp: 127402

Ion Ratio Lower Upper

138 100

108 10.6 8.5 12.7

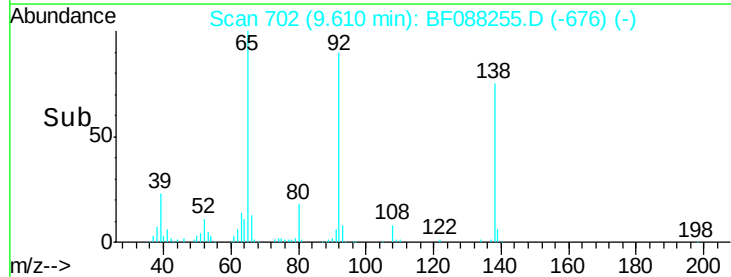
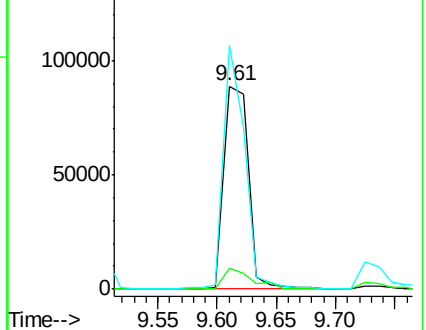
92 120.1 95.7 143.5

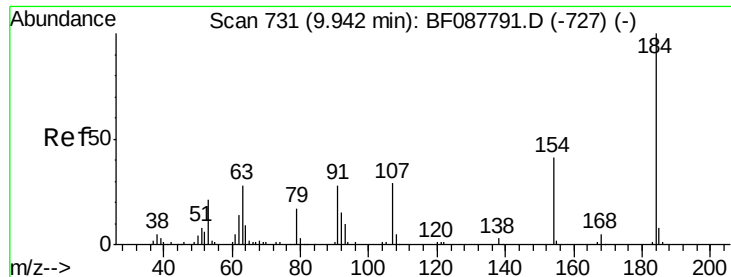


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

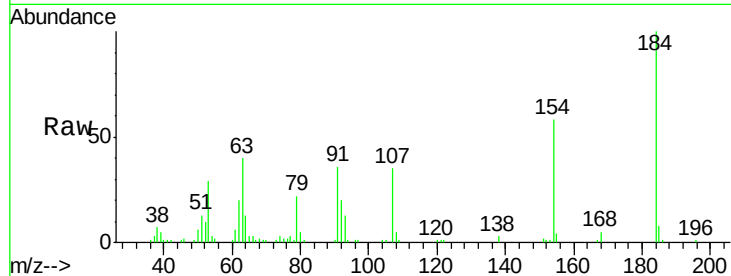




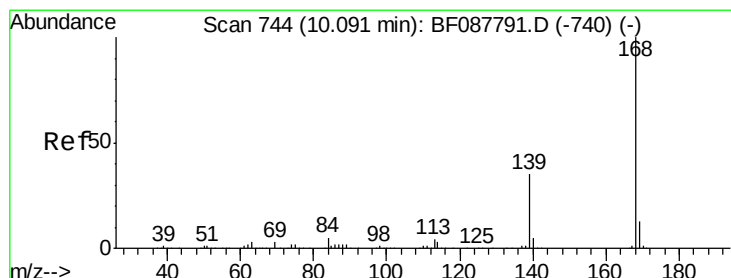
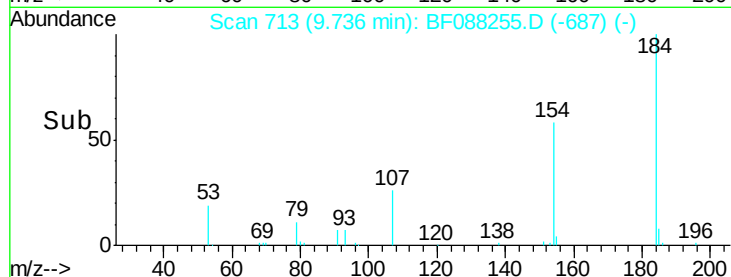
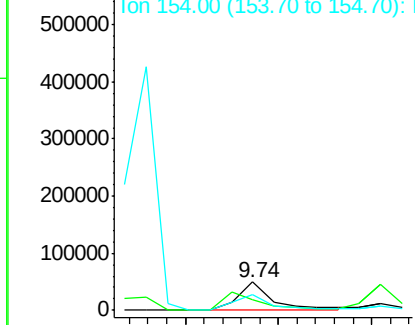
#53
 2,4-Dinitrophenol
 Concen: 49.87 ng
 RT: 9.74 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: BF088255.D
 Acq: 22 Jun 2016 17:53

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(3.5-4)MSD

Tgt Ion:184 Resp: 66715
 Ion Ratio Lower Upper
 184 100
 63 39.9 57.6 86.4#
 154 57.7 53.5 80.3

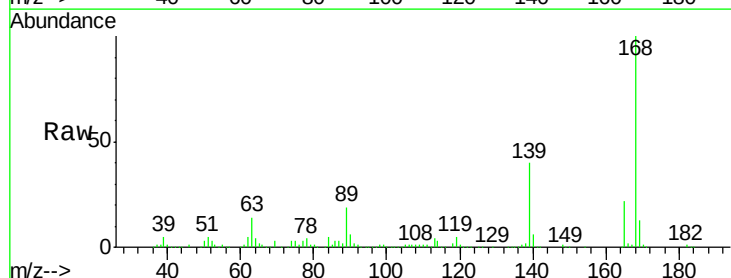


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

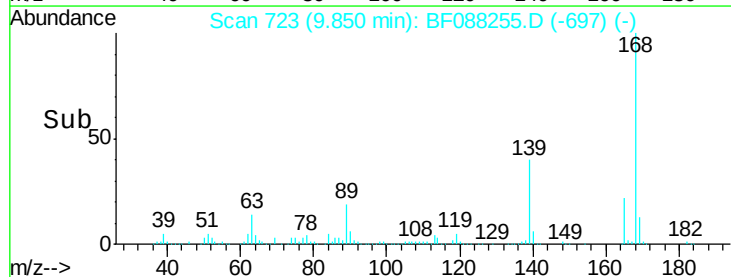
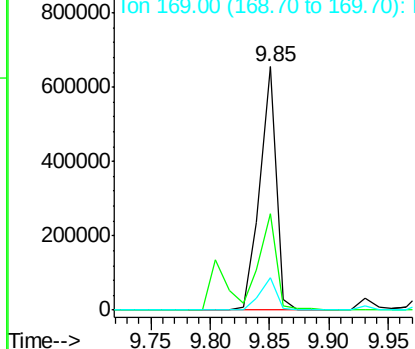


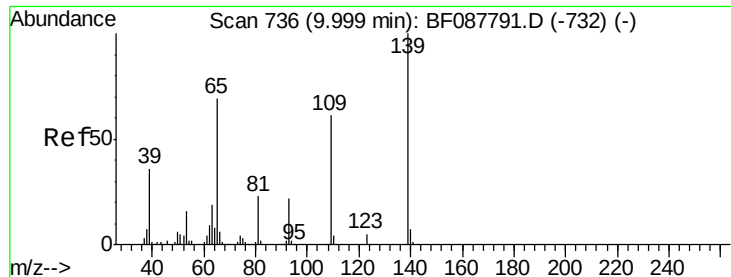
#54
 Dibenzofuran
 Concen: 43.88 ng
 RT: 9.85 min Scan# 723
 Delta R.T. 0.00 min
 Lab File: BF088255.D
 Acq: 22 Jun 2016 17:53

Tgt Ion:168 Resp: 638071
 Ion Ratio Lower Upper
 168 100
 139 39.5 26.4 39.6
 169 13.3 10.4 15.6



Abundance Ion 168.00 (167.70 to 168.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 169.00 (168.70 to 169.70): E

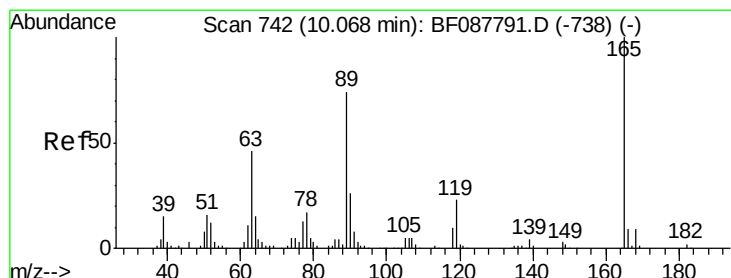
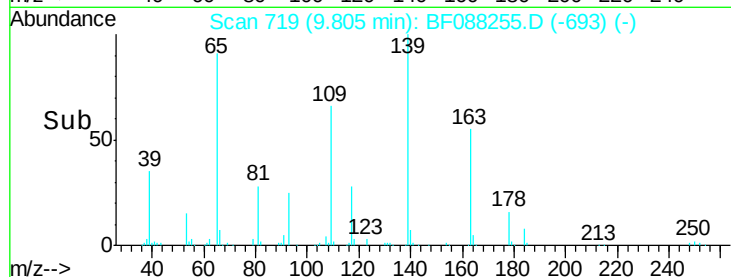
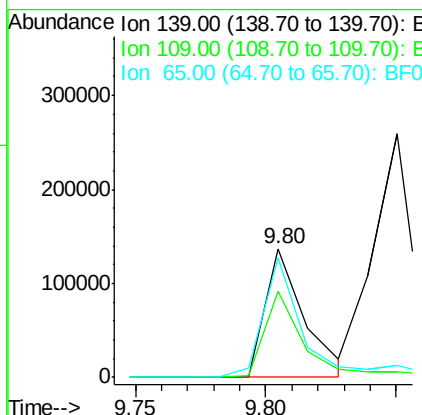
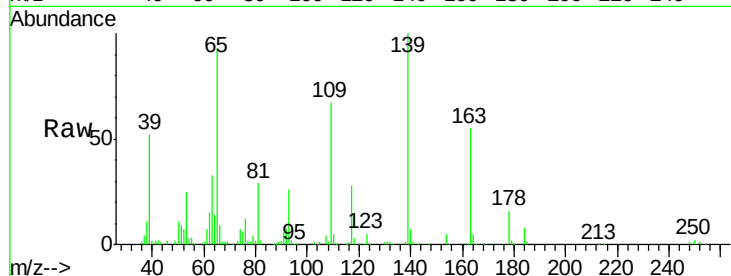




#55
4-Nitrophenol
Concen: 58.54 ng
RT: 9.80 min Scan# 719
Delta R.T. 0.00 min
Lab File: BF088255.D
Acq: 22 Jun 2016 17:53

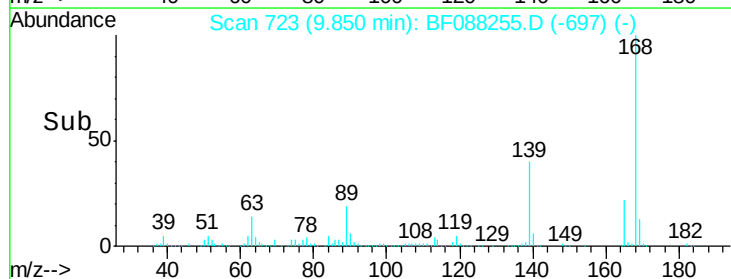
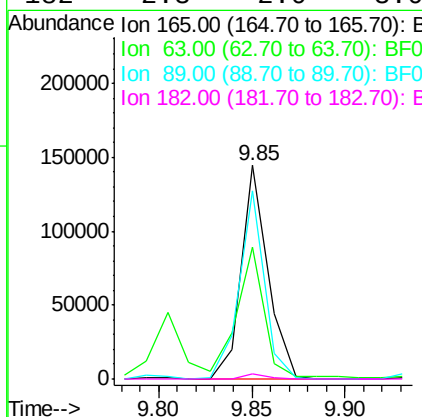
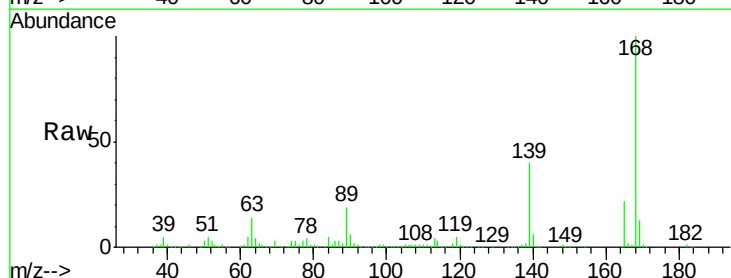
Instrument :
BNA_F
ClientSampleId :
SB-1(3.5-4)MSD

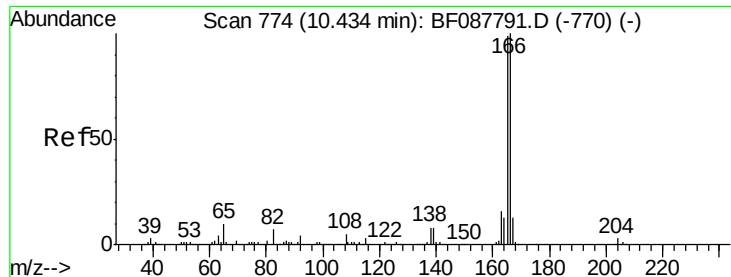
Tgt Ion	Ratio	Lower	Upper
139	100		
109	67.1	48.9	88.9
65	92.9	84.9	124.9



#56
2,4-Dinitrotoluene
Concen: 41.23 ng
RT: 9.85 min Scan# 723
Delta R.T. 0.00 min
Lab File: BF088255.D
Acq: 22 Jun 2016 17:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	62.0	22.0	33.0#
89	88.3	41.1	61.7#
182	2.3	2.0	3.0

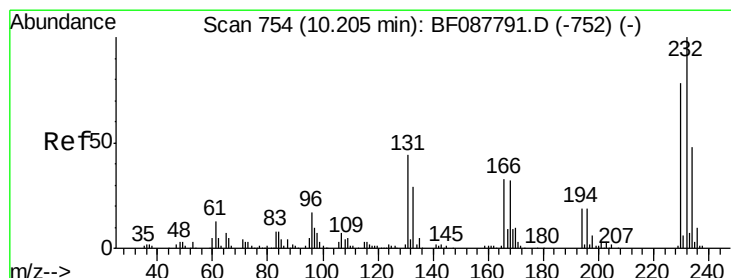
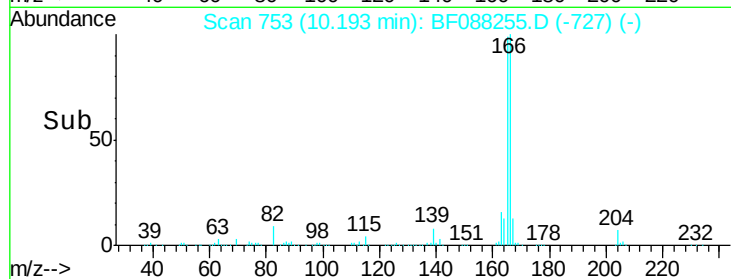
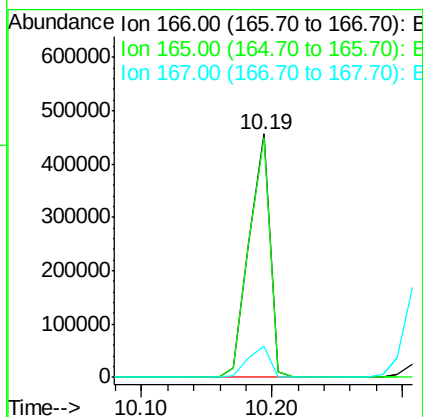
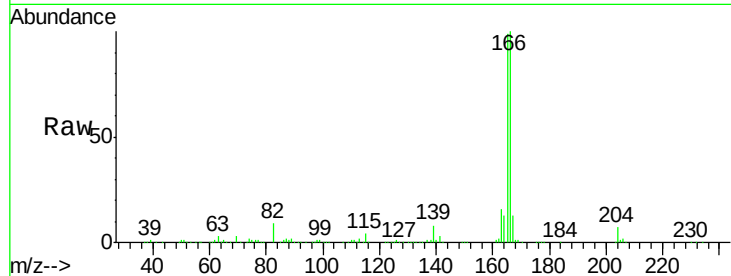




#57
 Fluorene
 Concen: 52.43 ng
 RT: 10.19 min Scan# 753
 Delta R.T. 0.00 min
 Lab File: BF088255.D
 Acq: 22 Jun 2016 17:53

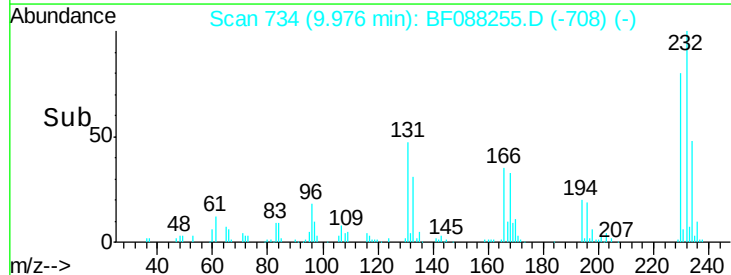
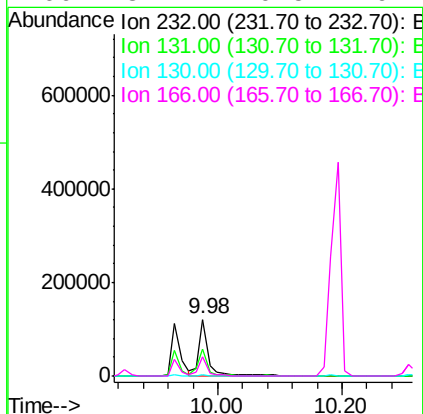
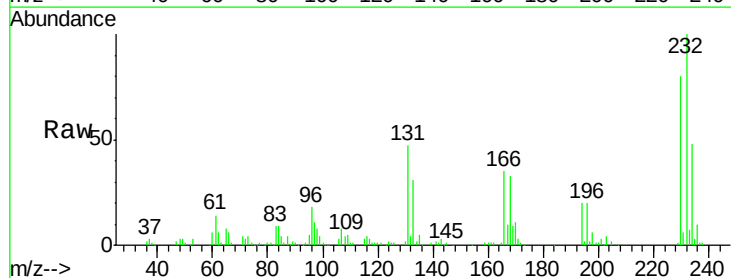
Instrument :
 BNA_F
 ClientSampleId :
 SB-1(3.5-4)MSD

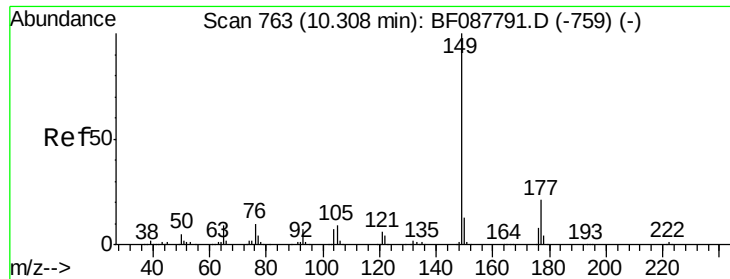
Tgt Ion:166 Resp: 507319
 Ion Ratio Lower Upper
 166 100
 165 98.7 77.8 116.8
 167 12.9 11.2 16.8



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 48.20 ng
 RT: 9.98 min Scan# 734
 Delta R.T. 0.00 min
 Lab File: BF088255.D
 Acq: 22 Jun 2016 17:53

Tgt Ion:232 Resp: 129574
 Ion Ratio Lower Upper
 232 100
 131 48.2 0.9 1.3#
 130 2.2 1.5 2.3
 166 31.4 0.5 0.7#

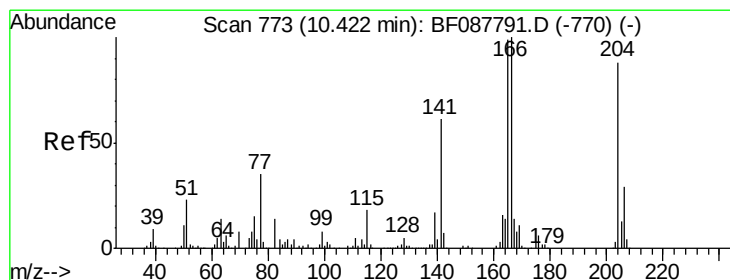
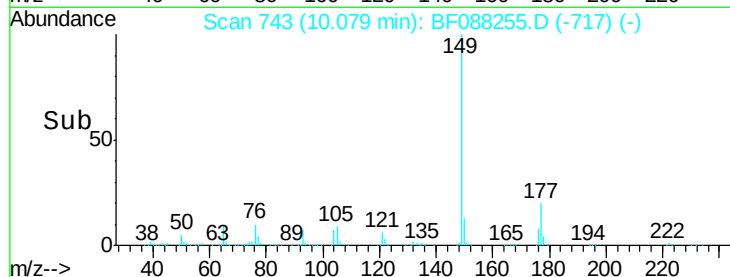
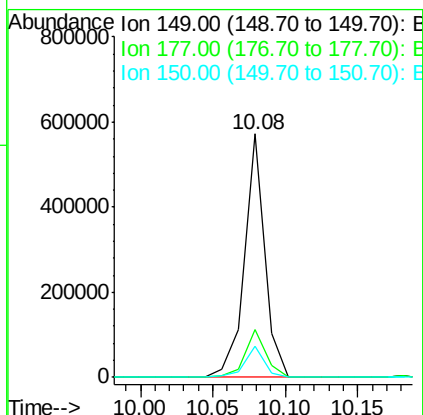
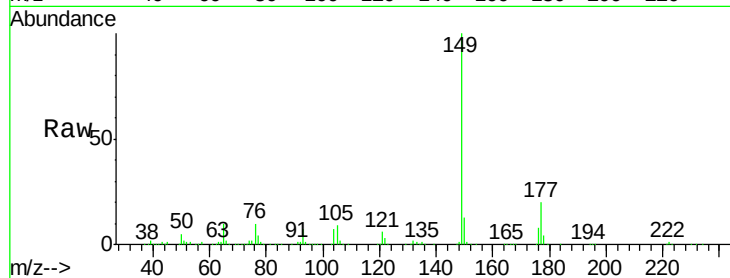




#59
Diethylphthalate
Concen: 45.94 ng
RT: 10.08 min Scan# 743
Delta R.T. 0.00 min
Lab File: BF088255.D
Acq: 22 Jun 2016 17:53

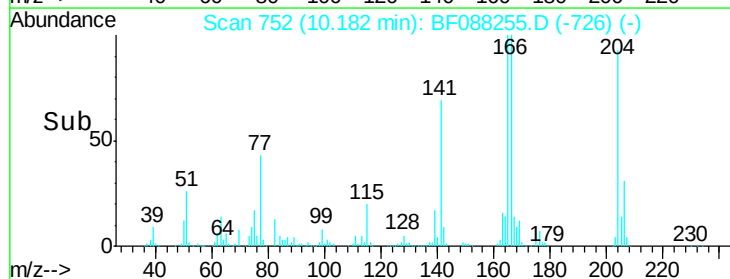
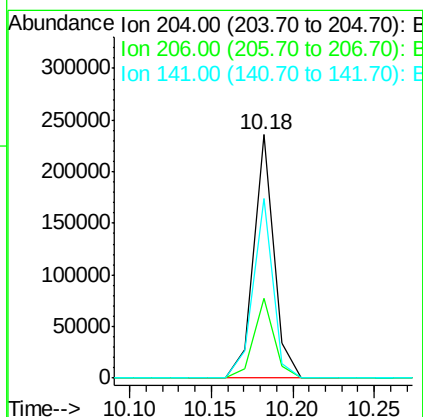
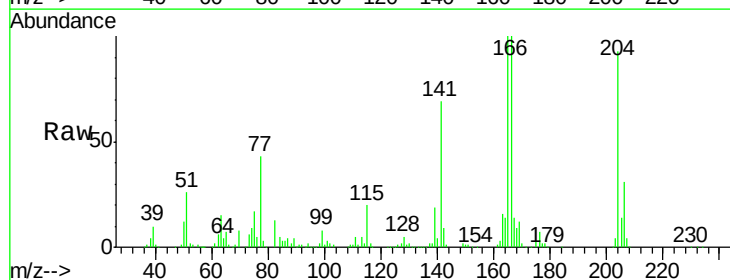
Instrument :
BNA_F
ClientSampleId :
SB-1(3.5-4)MSD

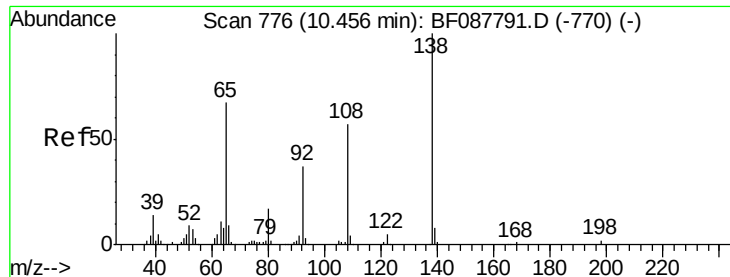
Tgt Ion:149 Resp: 553842
Ion Ratio Lower Upper
149 100
177 19.7 16.9 25.3
150 12.8 10.1 15.1



#60
4-Chlorophenyl-phenylether
Concen: 42.40 ng
RT: 10.18 min Scan# 752
Delta R.T. 0.00 min
Lab File: BF088255.D
Acq: 22 Jun 2016 17:53

Tgt Ion:204 Resp: 205015
Ion Ratio Lower Upper
204 100
206 32.8 26.3 39.5
141 73.8 55.0 82.6

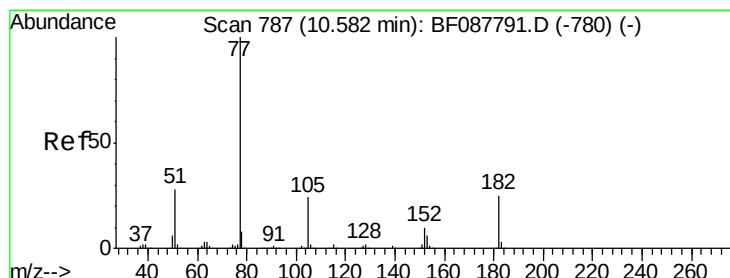
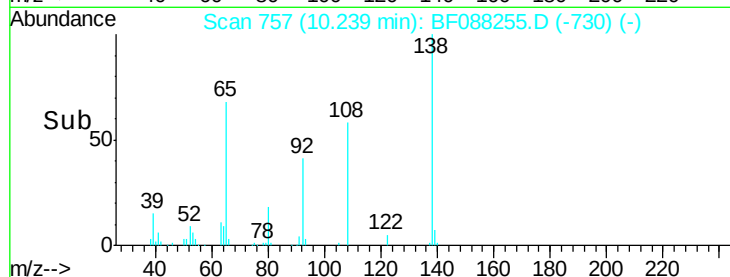
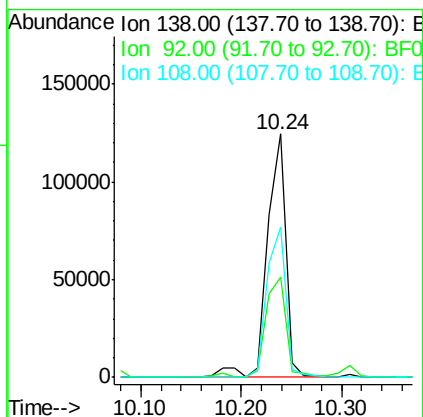
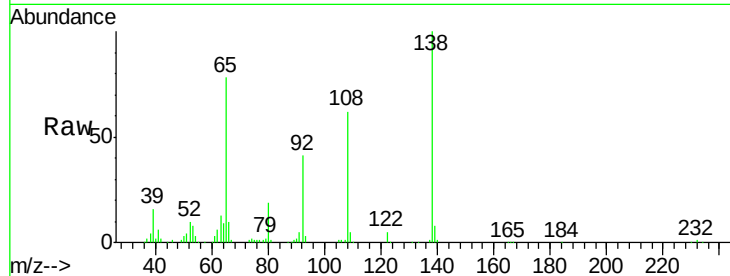




#61
4-Nitroaniline
Concen: 53.52 ng
RT: 10.24 min Scan# 757
Delta R.T. 0.01 min
Lab File: BF088255.D
Acq: 22 Jun 2016 17:53

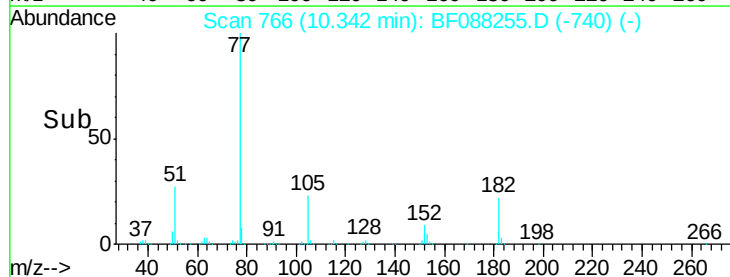
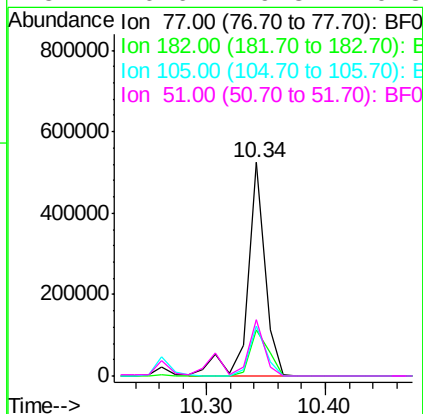
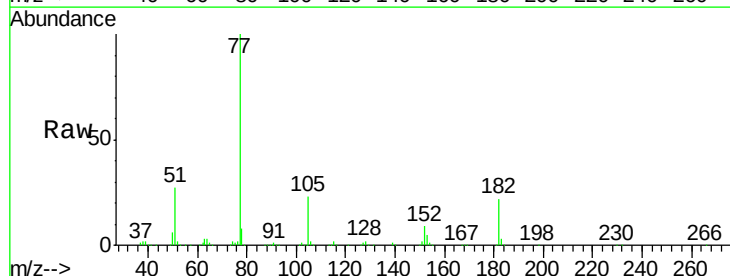
Instrument :
BNA_F
ClientSampleId :
SB-1(3.5-4)MSD

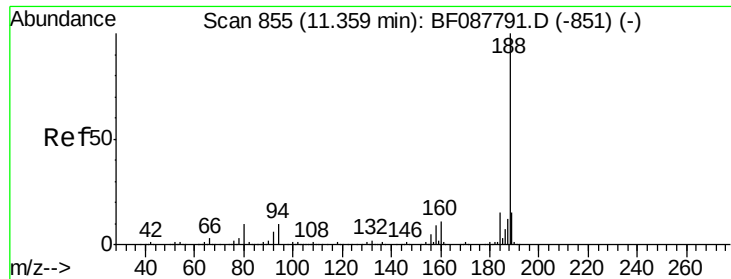
Tgt Ion: 138 Resp: 159793
Ion Ratio Lower Upper
138 100
92 41.0 27.3 67.3
108 61.7 46.7 86.7



#62
Azobenzene
Concen: 45.70 ng
RT: 10.34 min Scan# 766
Delta R.T. 0.00 min
Lab File: BF088255.D
Acq: 22 Jun 2016 17:53

Tgt Ion: 77 Resp: 544913
Ion Ratio Lower Upper
77 100
182 21.5 4.4 44.4
105 23.4 3.8 43.8
51 26.6 9.3 49.3

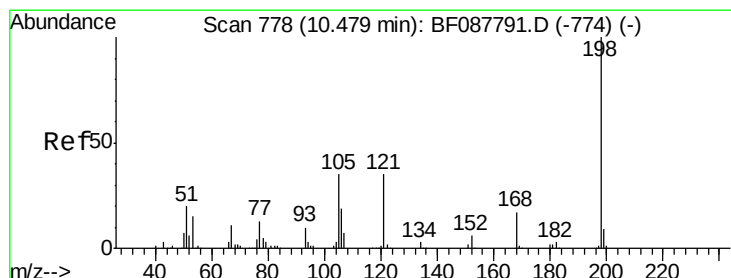
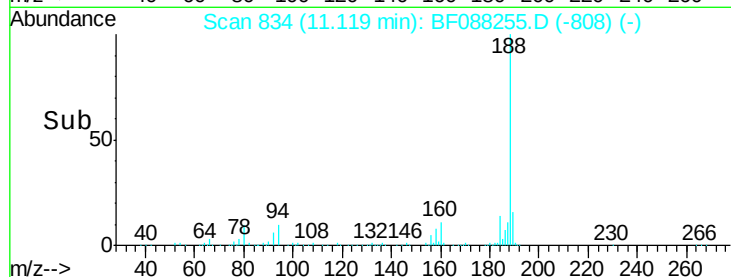
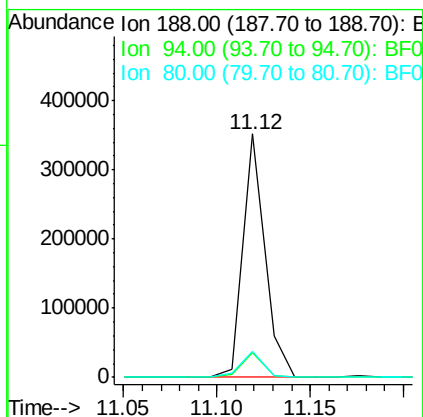
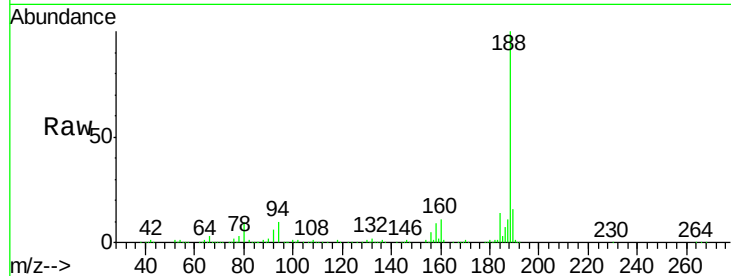




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 834
Delta R.T. 0.00 min
Lab File: BF088255.D
Acq: 22 Jun 2016 17:53

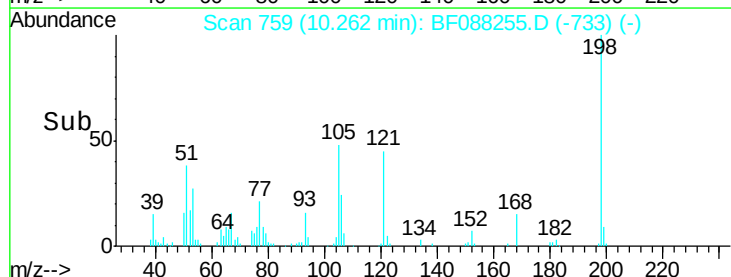
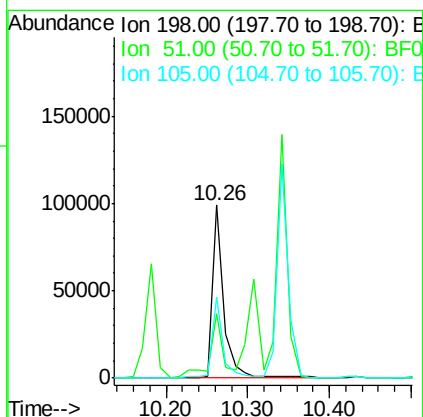
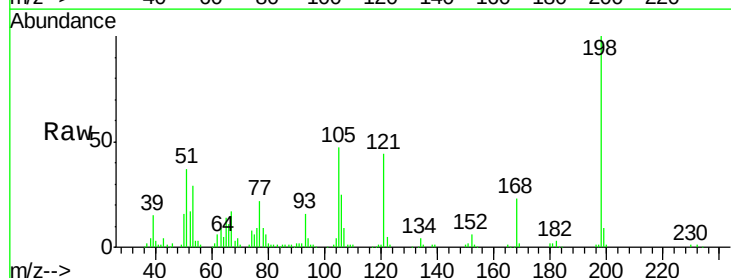
Instrument :
BNA_F
ClientSampleId :
SB-1(3.5-4)MSD

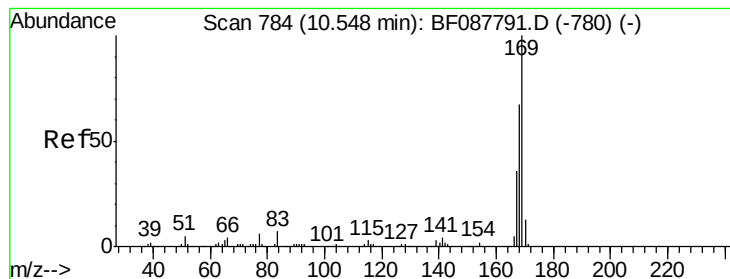
Tgt Ion:188 Resp: 291045
Ion Ratio Lower Upper
188 100
94 9.9 9.0 13.6
80 10.5 10.0 15.0



#64
4,6-Dinitro-2-methylphenol
Concen: 53.21 ng
RT: 10.26 min Scan# 759
Delta R.T. 0.00 min
Lab File: BF088255.D
Acq: 22 Jun 2016 17:53

Tgt Ion:198 Resp: 97126
Ion Ratio Lower Upper
198 100
51 37.4 39.6 79.6#
105 47.1 36.6 76.6





#65

n-Nitrosodiphenylamine

Concen: 48.05 ng

RT: 10.31 min Scan# 763

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

Instrument :

BNA_F

ClientSampleId :

SB-1(3.5-4)MSD

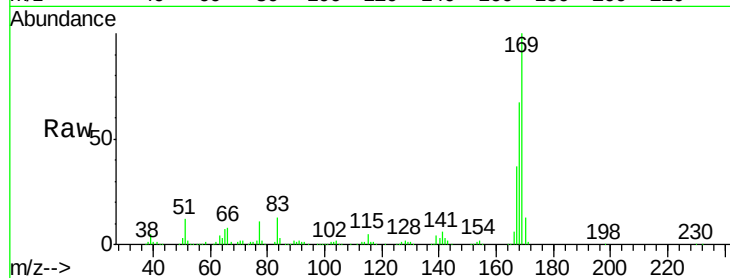
Tgt Ion:169 Resp: 464015

Ion Ratio Lower Upper

169 100

168 67.3 53.4 80.0

167 36.6 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

600000

500000

400000

300000

200000

100000

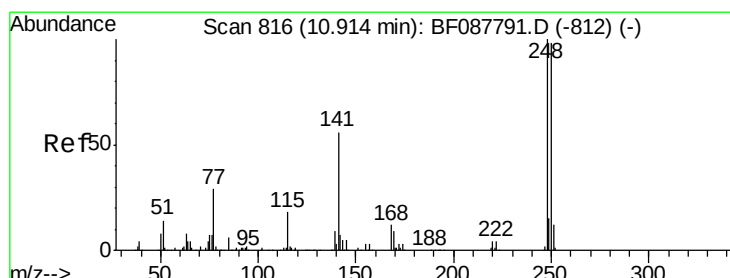
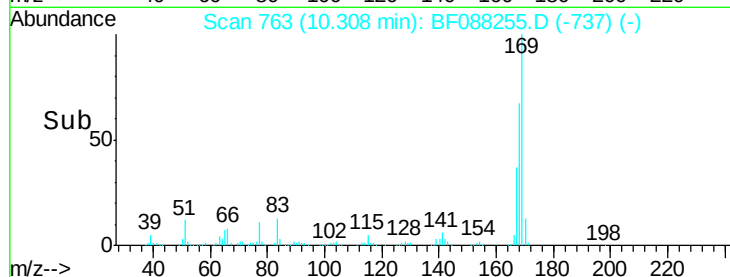
0

10.20

10.30

10.40

Time-->



#66

4-Bromophenyl-phenylether

Concen: 48.46 ng

RT: 10.67 min Scan# 795

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

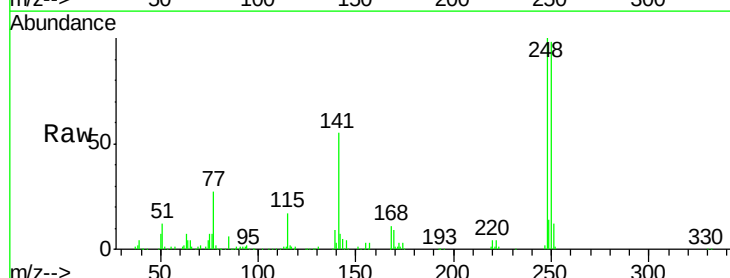
Tgt Ion:248 Resp: 151314

Ion Ratio Lower Upper

248 100

250 97.6 77.1 115.7

141 55.2 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

200000

150000

100000

50000

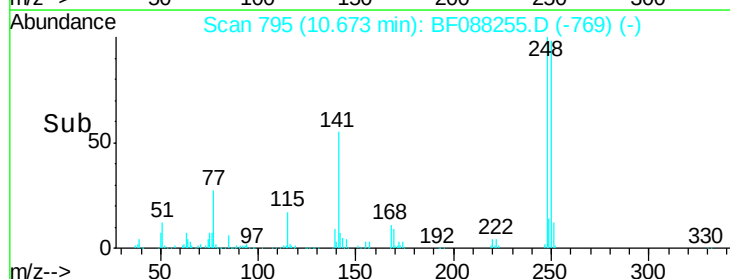
0

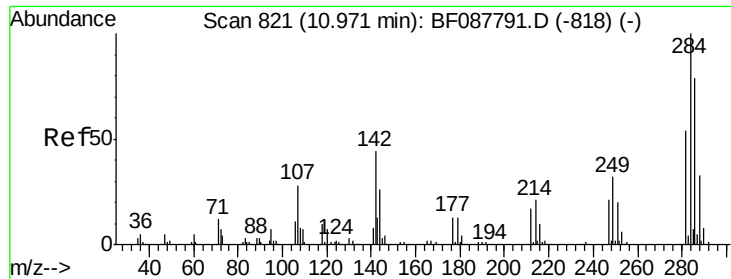
10.60

10.65

10.70

Time-->





#67

Hexachlorobenzene

Concen: 45.22 ng

RT: 10.73 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

Instrument :

BNA_F

ClientSampleId :

SB-1(3.5-4)MSD

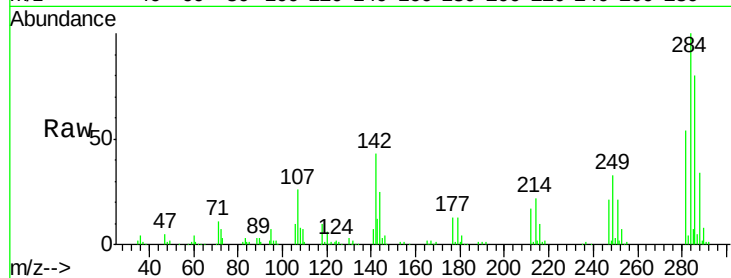
Tgt Ion:284 Resp: 146691

Ion Ratio Lower Upper

284 100

142 43.5 35.8 53.8

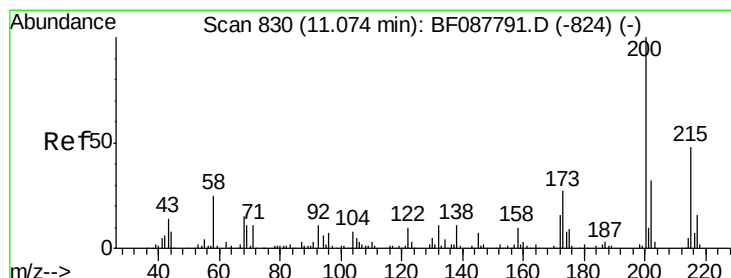
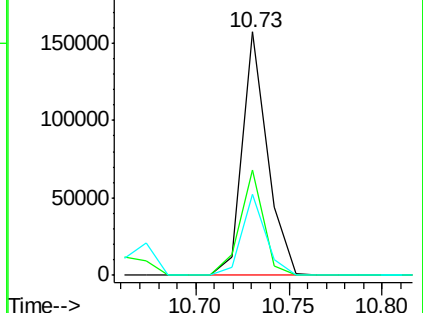
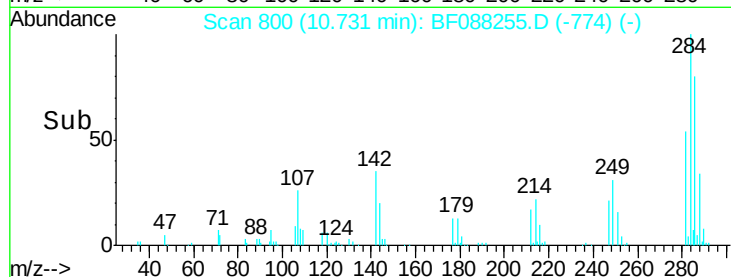
249 33.5 25.8 38.6



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: 51.93 ng

RT: 10.84 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

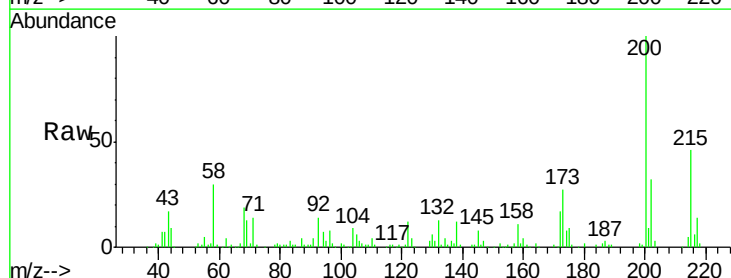
Tgt Ion:200 Resp: 151855

Ion Ratio Lower Upper

200 100

173 27.4 4.0 44.0

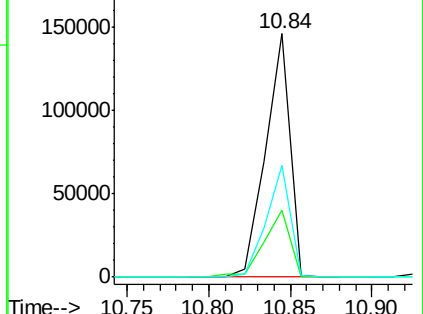
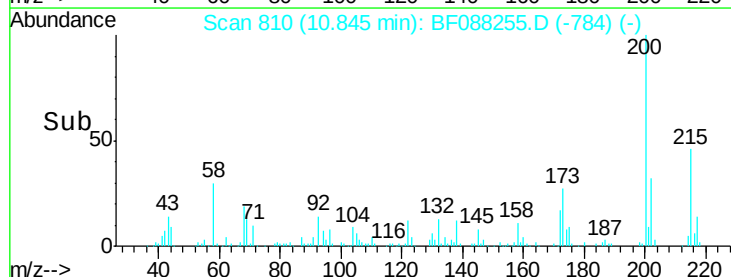
215 45.7 29.3 69.3

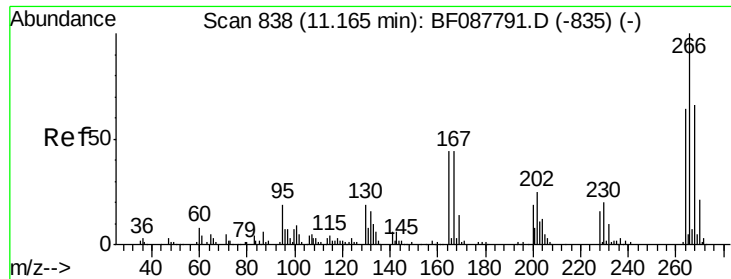


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

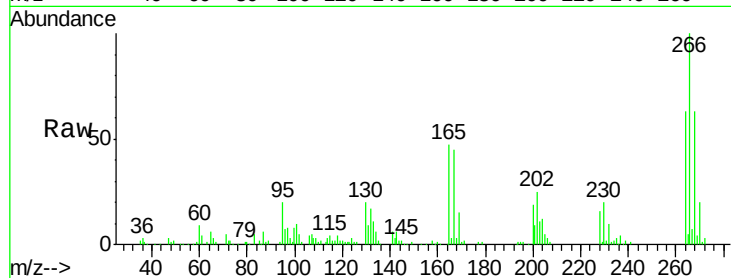




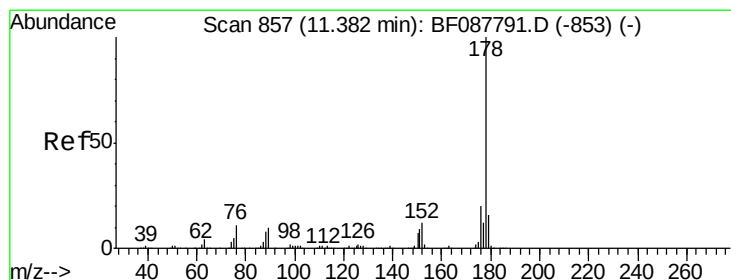
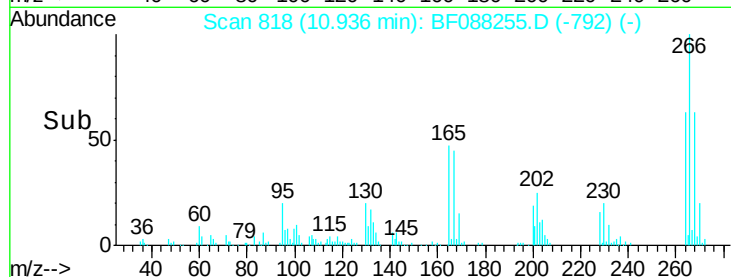
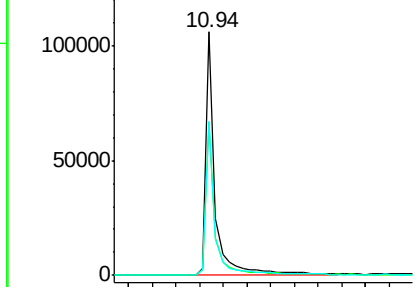
#69
 Pentachlorophenol
 Concen: 69.78 ng
 RT: 10.94 min Scan# 818
 Delta R.T. 0.00 min
 Lab File: BF088255.D
 Acq: 22 Jun 2016 17:53

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(3.5-4)MSD

Tgt Ion:266 Resp: 119333
 Ion Ratio Lower Upper
 266 100
 268 62.9 52.8 79.2
 264 63.4 49.6 74.4

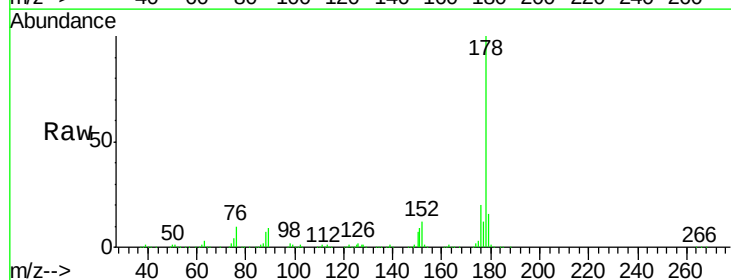


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

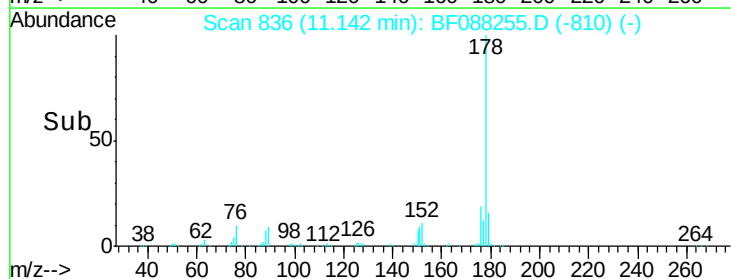
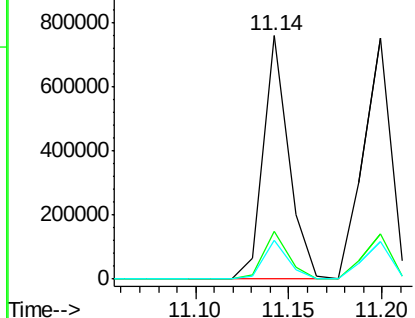


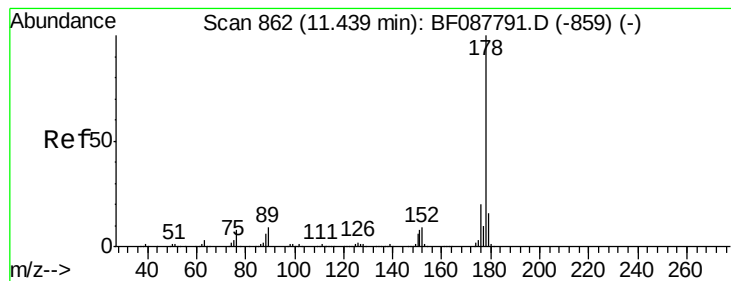
#70
 Phenanthrene
 Concen: 46.62 ng
 RT: 11.14 min Scan# 836
 Delta R.T. 0.00 min
 Lab File: BF088255.D
 Acq: 22 Jun 2016 17:53

Tgt Ion:178 Resp: 711974
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.8 23.6
 179 16.1 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: 50.31 ng

RT: 11.20 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

Instrument :

BNA_F

ClientSampleId :

SB-1(3.5-4)MSD

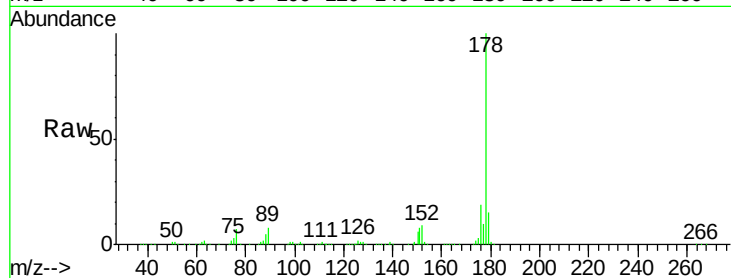
Tgt Ion:178 Resp: 775047

Ion Ratio Lower Upper

178 100

176 18.9 15.6 23.4

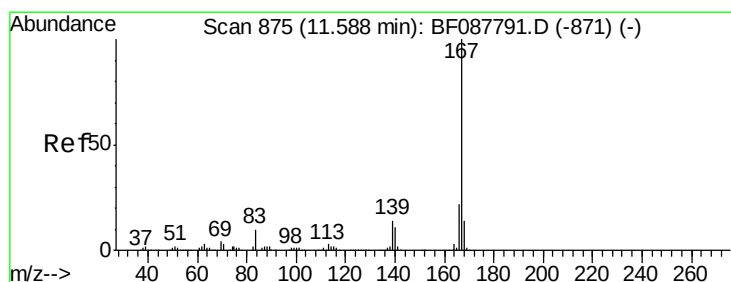
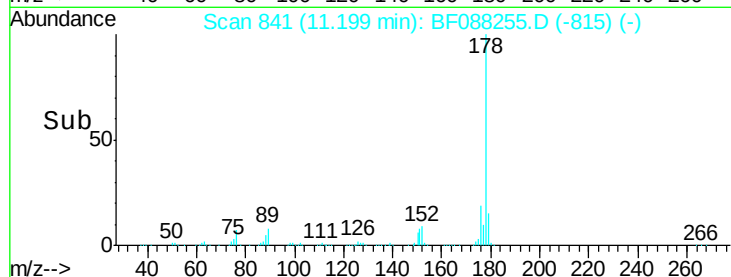
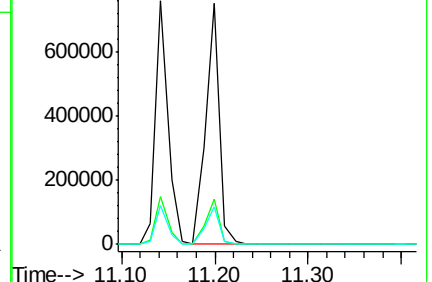
179 15.5 12.8 19.2



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: 52.34 ng

RT: 11.36 min Scan# 855

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

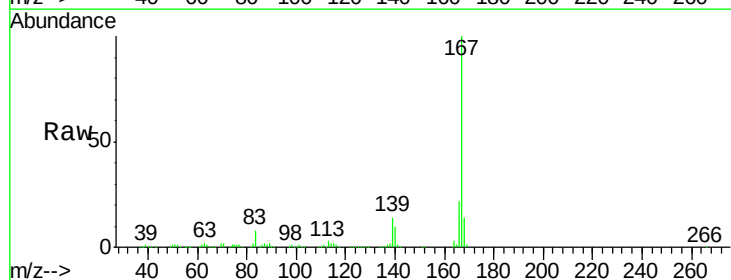
Tgt Ion:167 Resp: 754589

Ion Ratio Lower Upper

167 100

166 22.2 17.8 26.6

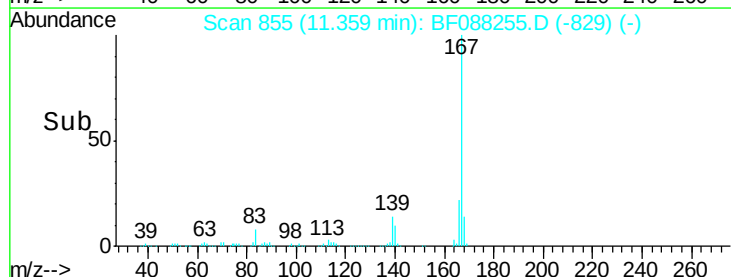
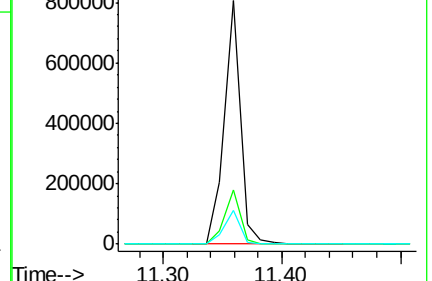
139 13.6 11.2 16.8

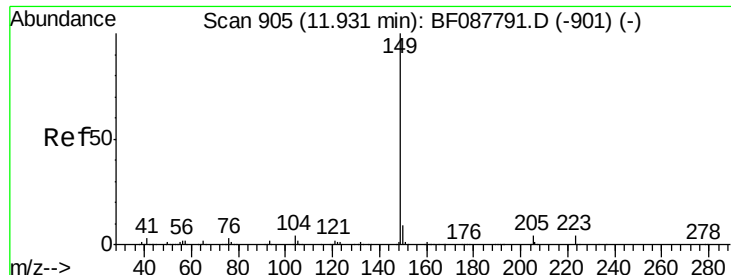


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 45.88 ng

RT: 11.69 min Scan# 884

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

Instrument :

BNA_F

ClientSampleId :

SB-1(3.5-4)MSD

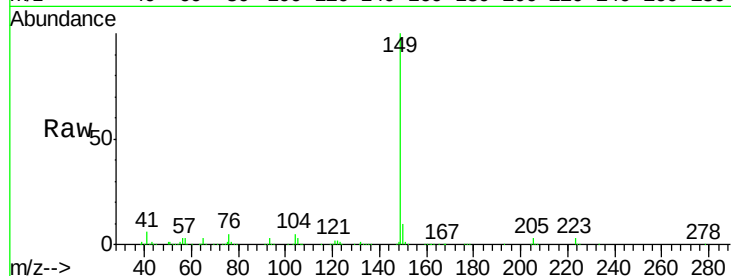
Tgt Ion:149 Resp: 837248

Ion Ratio Lower Upper

149 100

150 9.6 7.8 11.6

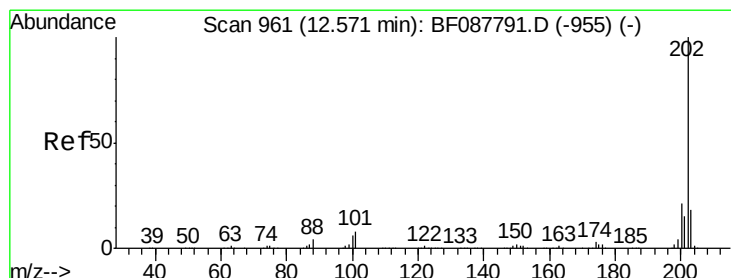
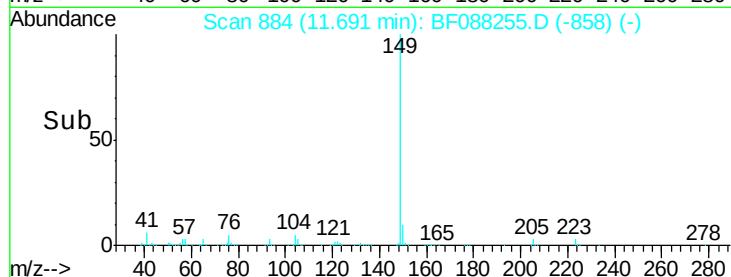
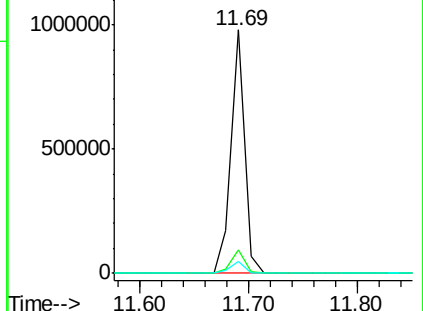
104 5.0 4.0 6.0



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: 46.96 ng

RT: 12.32 min Scan# 939

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

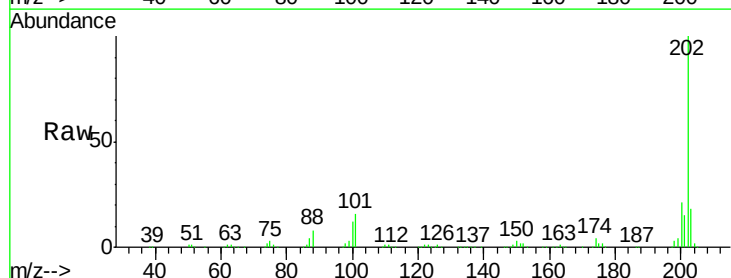
Tgt Ion:202 Resp: 756815

Ion Ratio Lower Upper

202 100

101 16.2 0.0 33.1

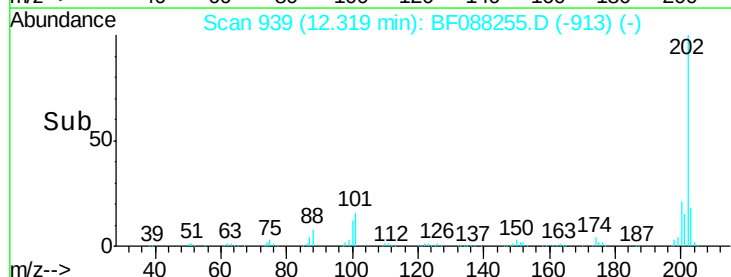
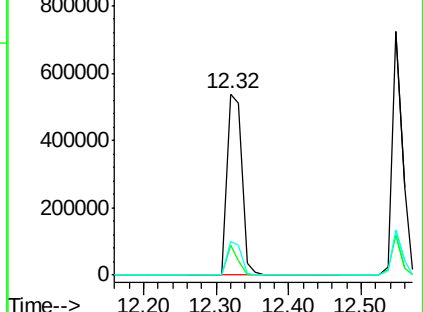
203 18.3 0.0 38.1

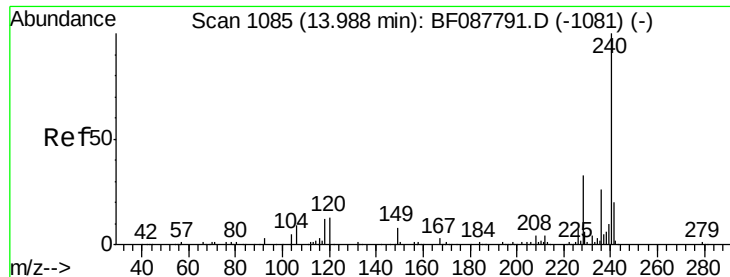


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

Instrument :

BNA_F

ClientSampleId :

SB-1(3.5-4)MSD

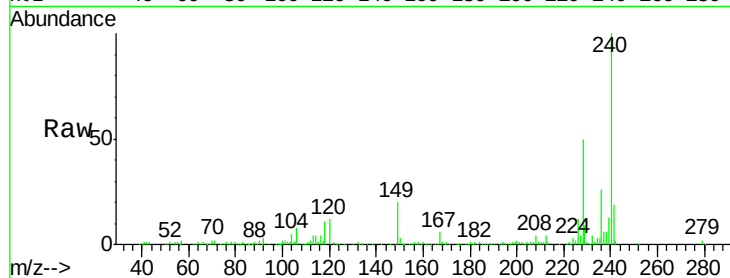
Tgt Ion:240 Resp: 215310

Ion Ratio Lower Upper

240 100

120 12.3 6.8 10.2#

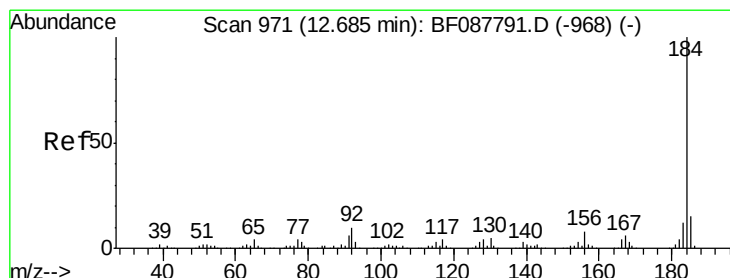
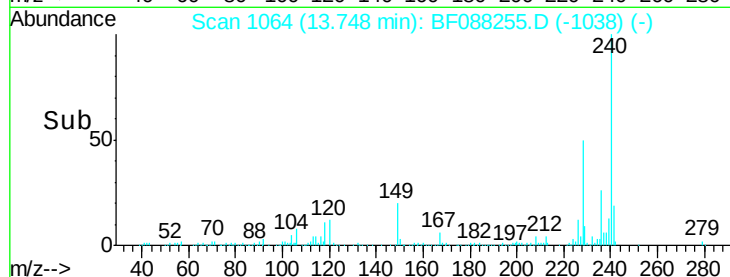
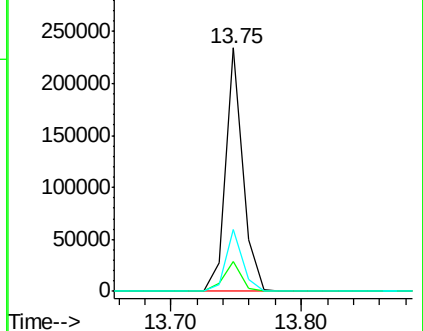
236 25.6 20.2 30.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 70.01 ng

RT: 12.46 min Scan# 951

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

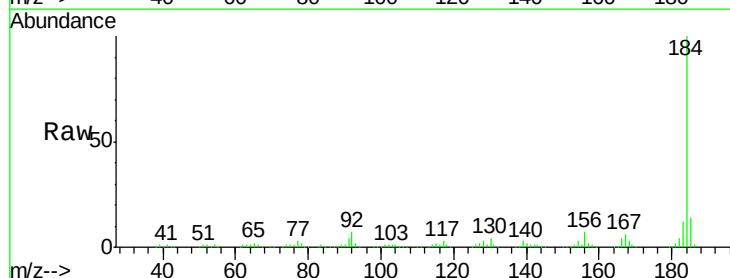
Tgt Ion:184 Resp: 417382

Ion Ratio Lower Upper

184 100

185 14.3 12.5 18.7

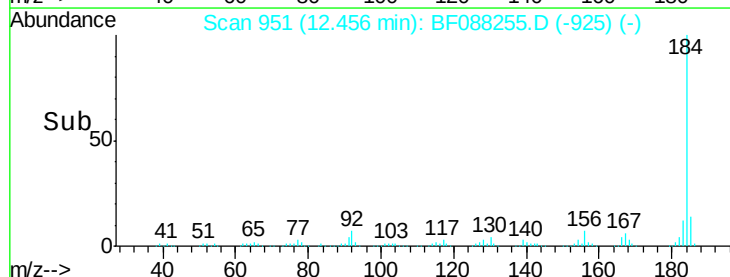
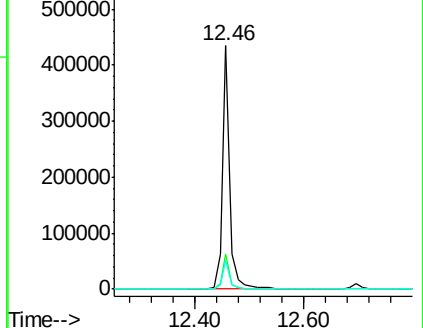
183 11.6 9.3 13.9

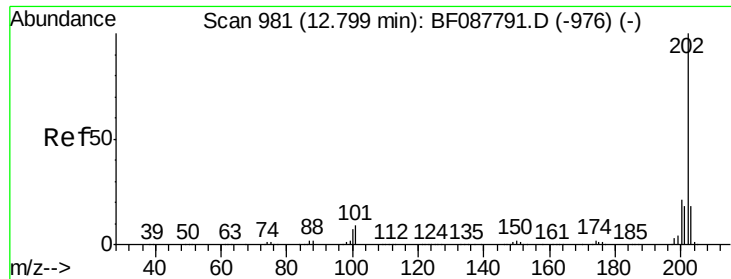


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

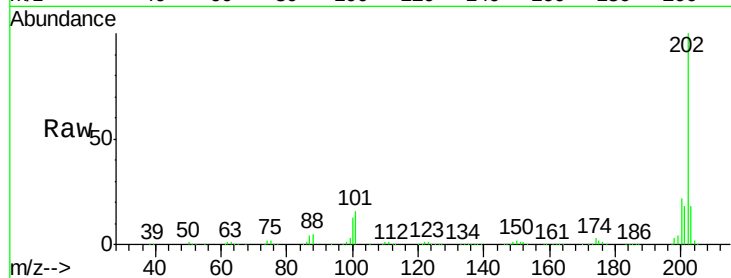




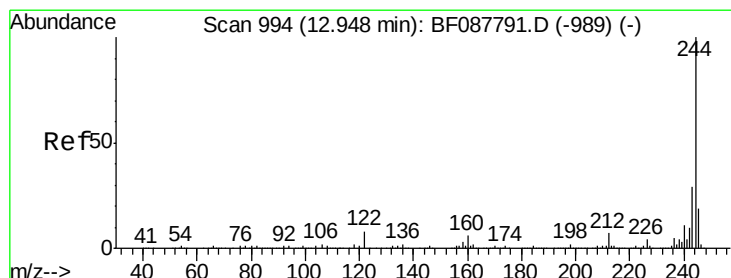
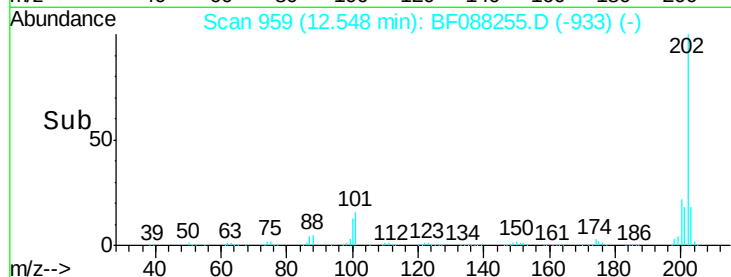
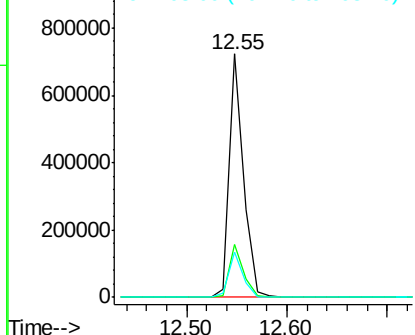
#77
Pyrene
 Concen: 44.36 ng
 RT: 12.55 min Scan# 959
 Delta R.T. 0.00 min
 Lab File: BF088255.D
 Acq: 22 Jun 2016 17:53

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(3.5-4)MSD

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	18.4	14.5	21.7

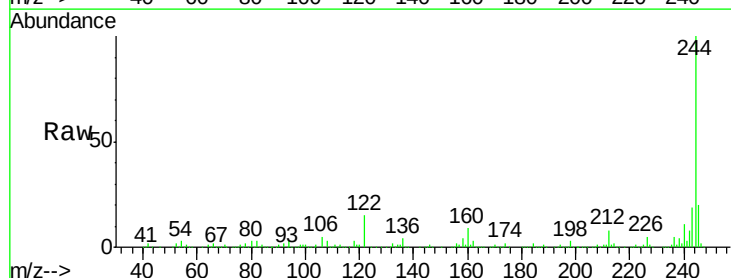


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

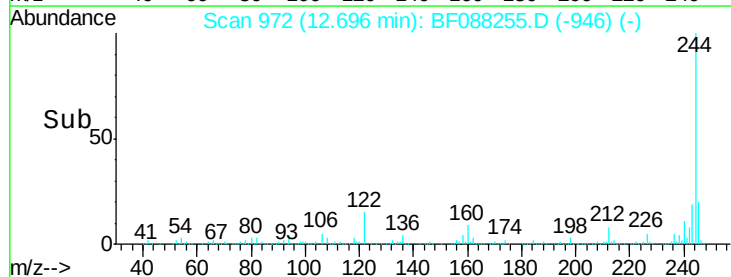
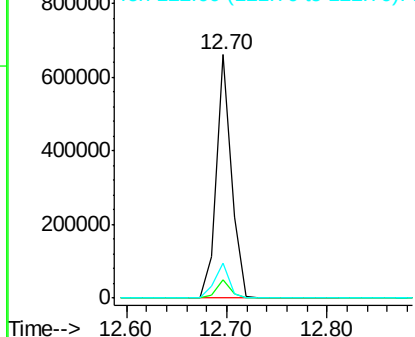


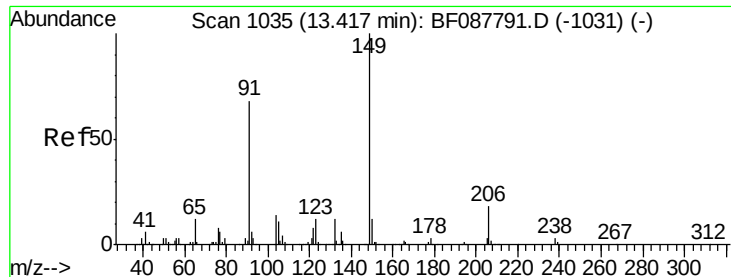
#78
Terphenyl-d14
 Concen: 72.51 ng
 RT: 12.70 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: BF088255.D
 Acq: 22 Jun 2016 17:53

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.0	9.0
122	14.5	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: 52.83 ng

RT: 13.18 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

Instrument :

BNA_F

ClientSampleId :

SB-1(3.5-4)MSD

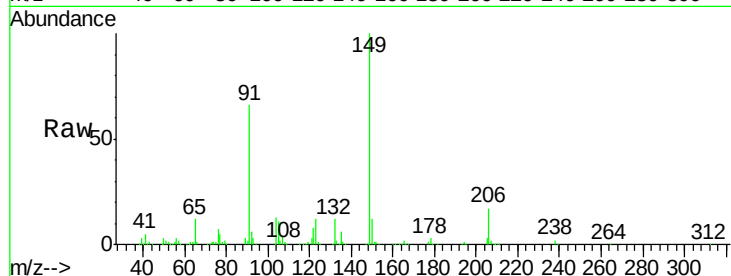
Tgt Ion:149 Resp: 373213

Ion Ratio Lower Upper

149 100

91 66.1 48.0 72.0

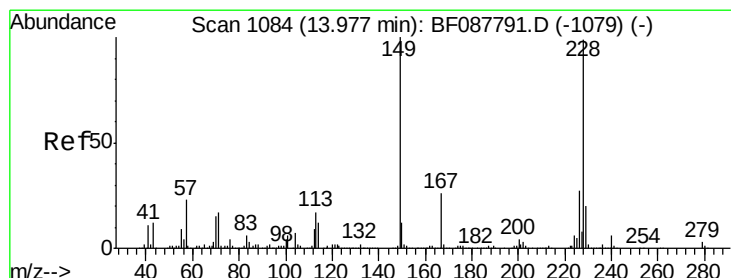
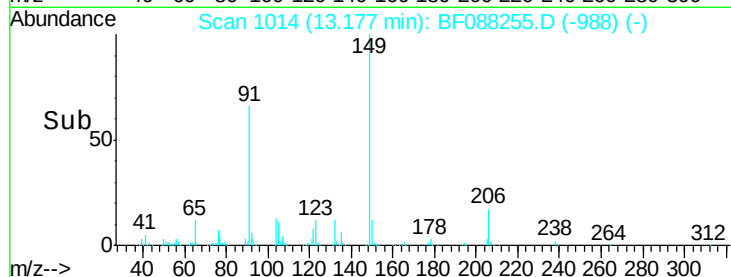
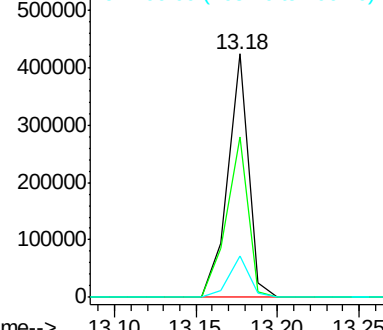
206 16.9 16.0 24.0



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: 41.53 ng

RT: 13.74 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

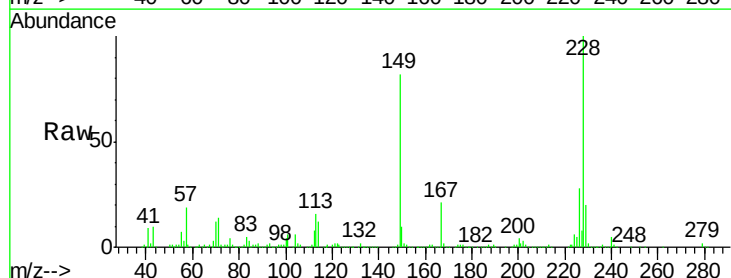
Tgt Ion:228 Resp: 509584

Ion Ratio Lower Upper

228 100

226 27.5 22.3 33.5

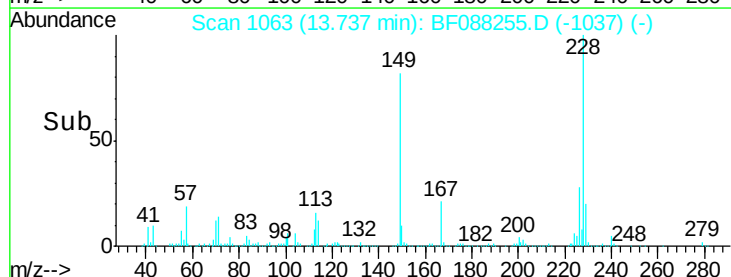
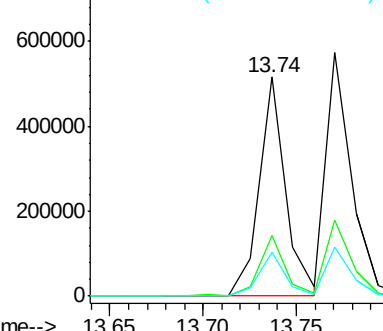
229 20.0 16.0 24.0

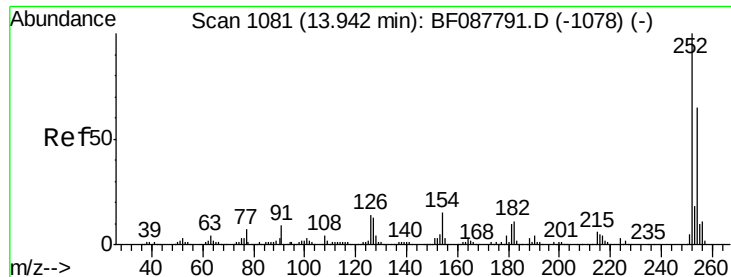


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

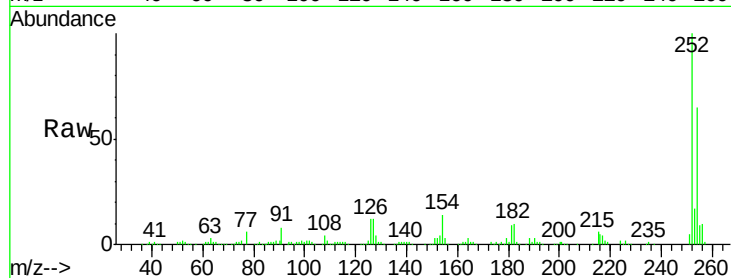




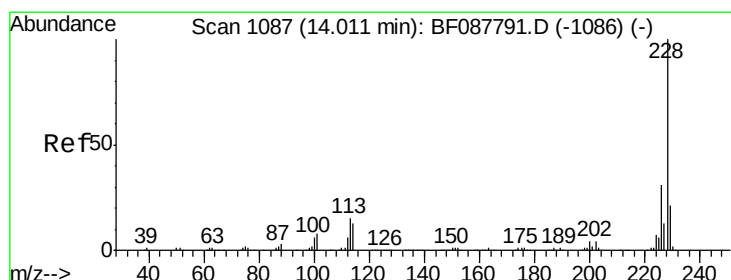
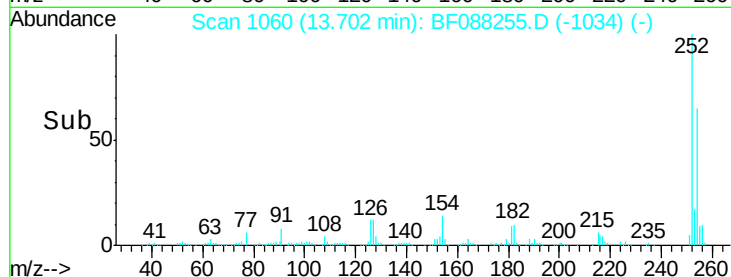
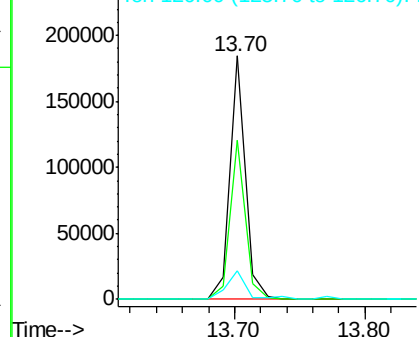
#81
 3,3'-Dichlorobenzidine
 Concen: 46.51 ng
 RT: 13.70 min Scan# 1060
 Delta R.T. 0.00 min
 Lab File: BF088255.D
 Acq: 22 Jun 2016 17:53

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(3.5-4)MSD

Tgt Ion: 252 Resp: 153477
 Ion Ratio Lower Upper
 252 100
 254 65.1 52.6 78.8
 126 11.6 6.2 9.2#

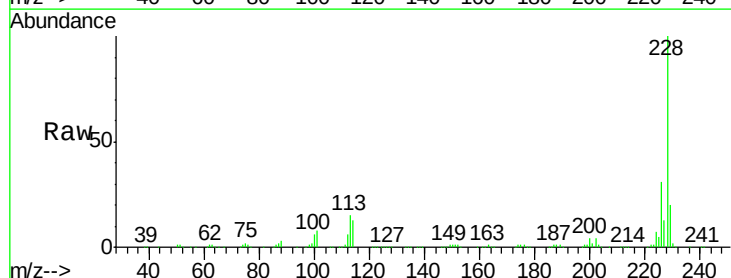


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

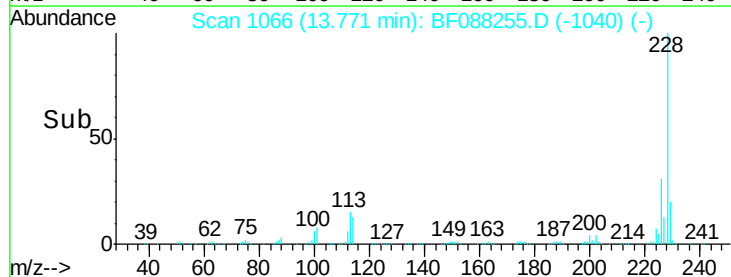
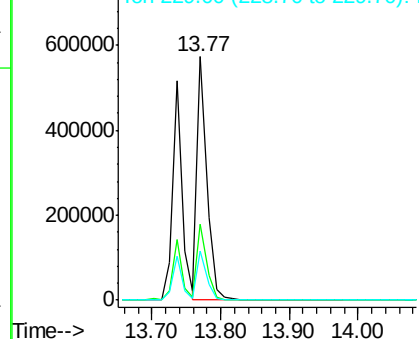


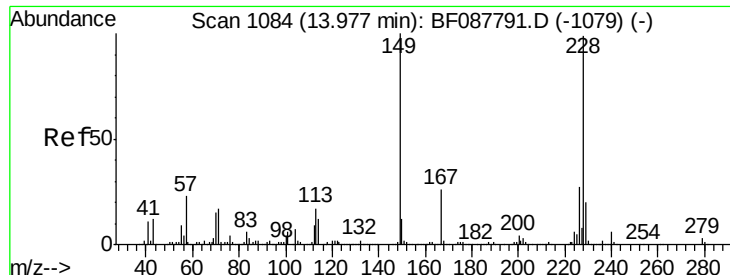
#82
 Chrysene
 Concen: 48.19 ng
 RT: 13.77 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: BF088255.D
 Acq: 22 Jun 2016 17:53

Tgt Ion: 228 Resp: 556239
 Ion Ratio Lower Upper
 228 100
 226 31.1 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: 45.45 ng

RT: 13.74 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

Instrument :

BNA_F

ClientSampleId :

SB-1(3.5-4)MSD

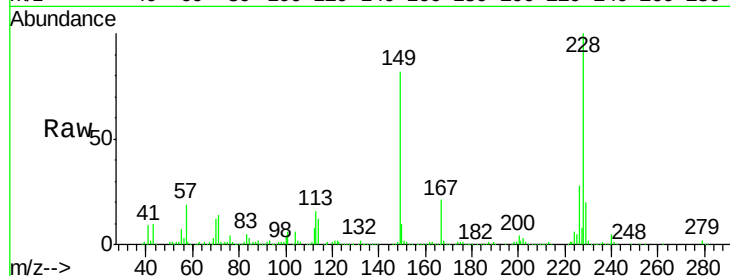
Tgt Ion:149 Resp: 390842

Ion Ratio Lower Upper

149 100

167 25.9 20.5 30.7

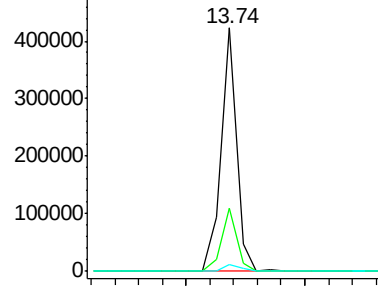
279 2.9 2.0 3.0



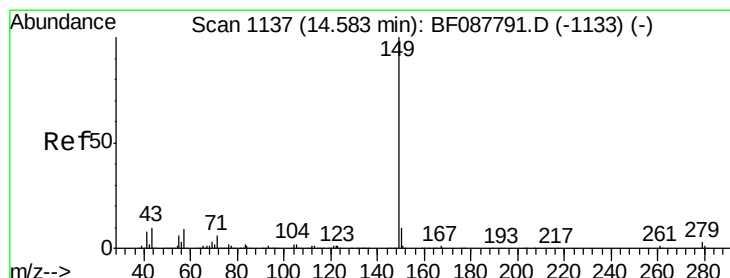
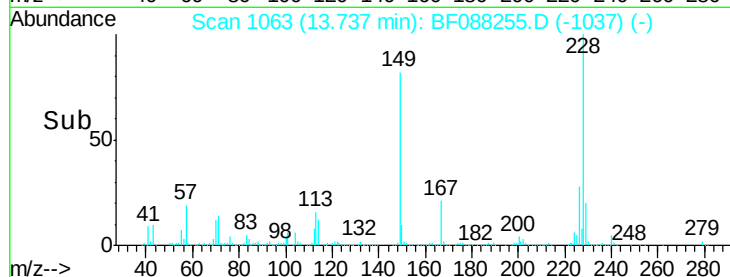
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#84

Di-n-octyl phthalate

Concen: 52.21 ng

RT: 14.34 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

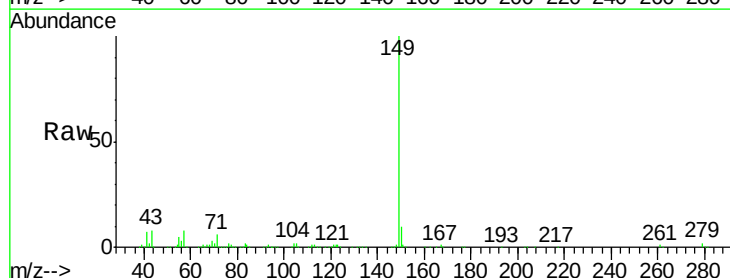
Tgt Ion:149 Resp: 729471

Ion Ratio Lower Upper

149 100

167 1.5 0.0 0.0#

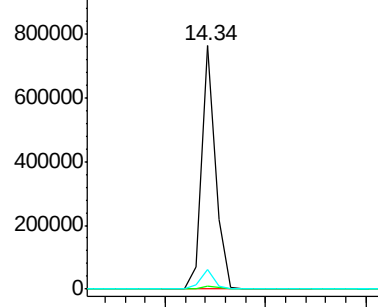
43 7.9 0.0 0.0#



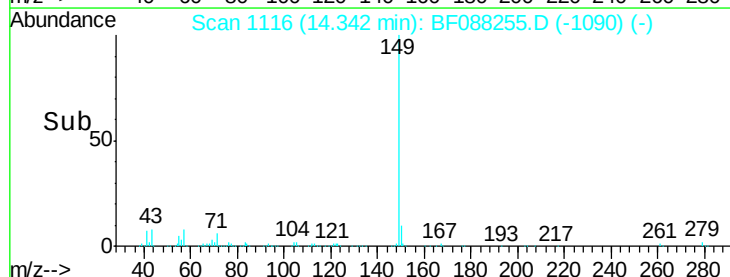
Abundance Ion 149.00 (148.70 to 149.70): E

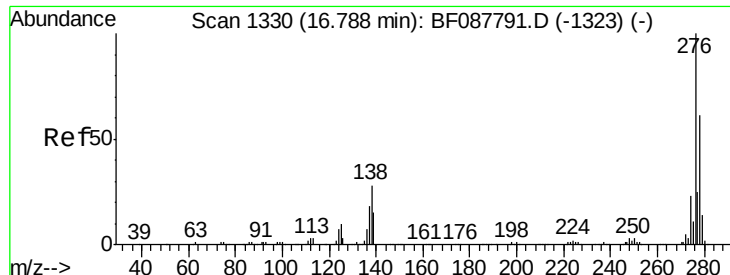
Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



Time-->

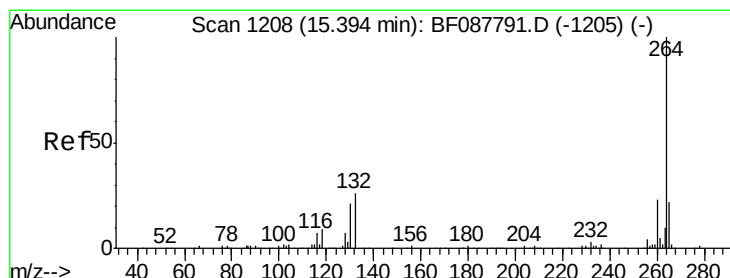
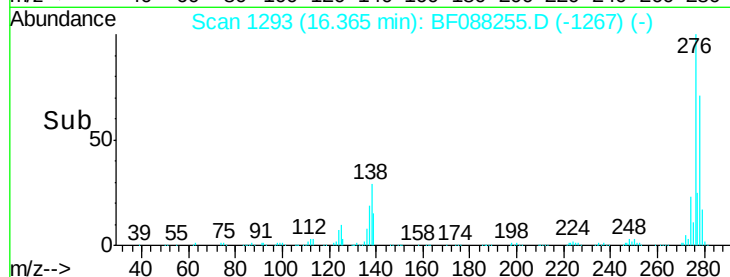
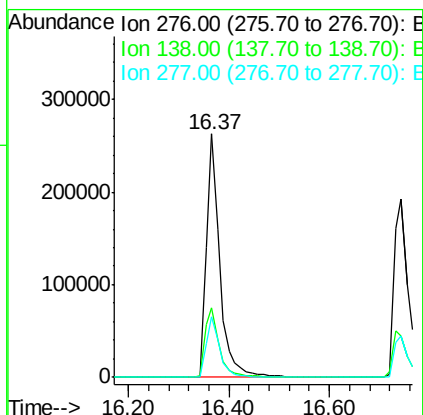
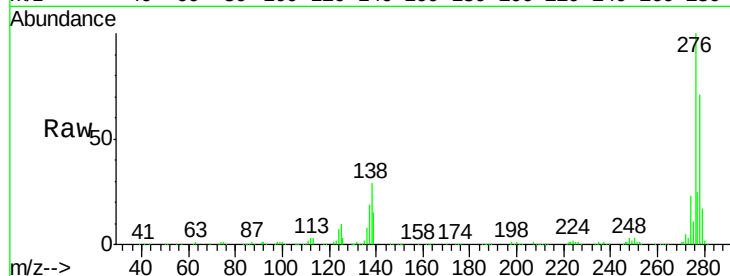




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 45.04 ng
 RT: 16.37 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: BF088255.D
 Acq: 22 Jun 2016 17:53

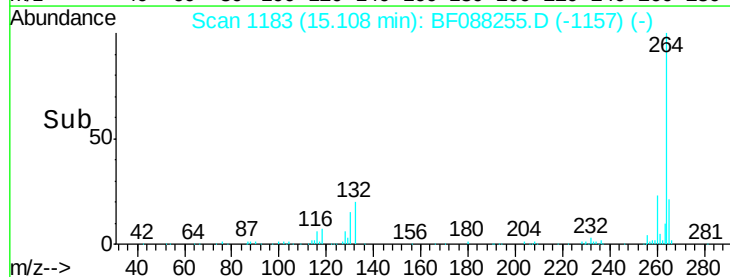
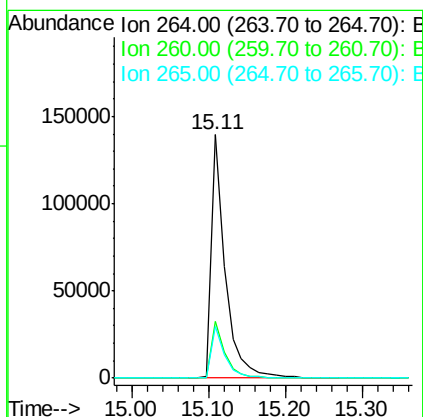
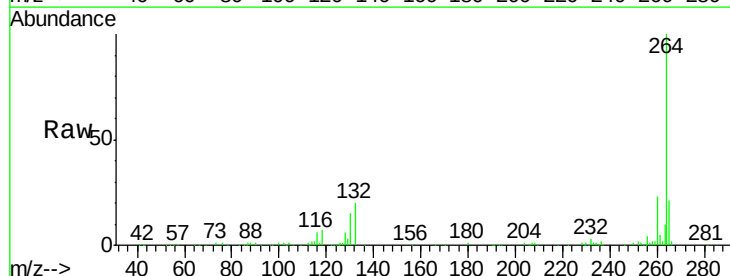
Instrument :
 BNA_F
 ClientSampleId :
 SB-1(3.5-4)MSD

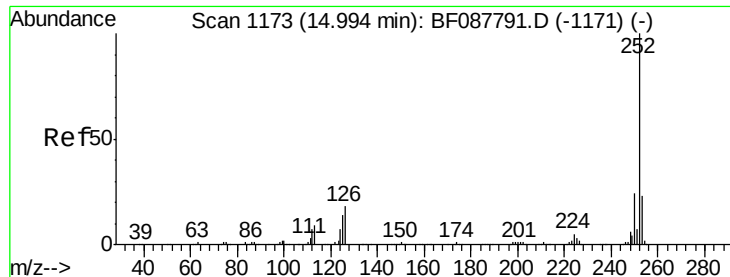
Tgt Ion:276 Resp: 483009
 Ion Ratio Lower Upper
 276 100
 138 30.9 0.0 0.0#
 277 25.0 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.11 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BF088255.D
 Acq: 22 Jun 2016 17:53

Tgt Ion:264 Resp: 174264
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.2 28.8
 265 21.2 16.9 25.3

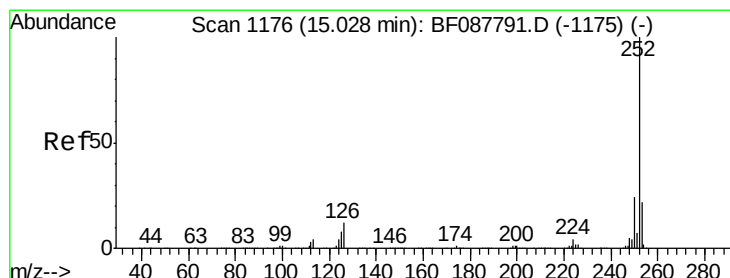
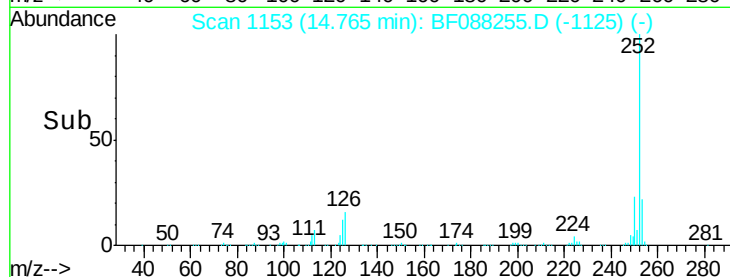
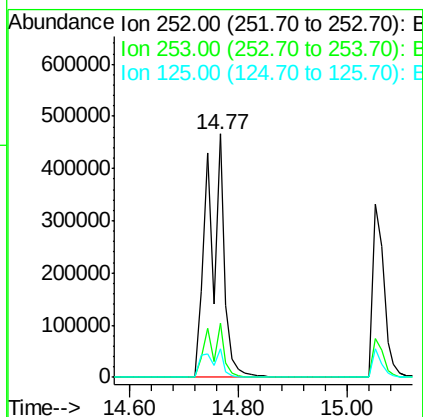
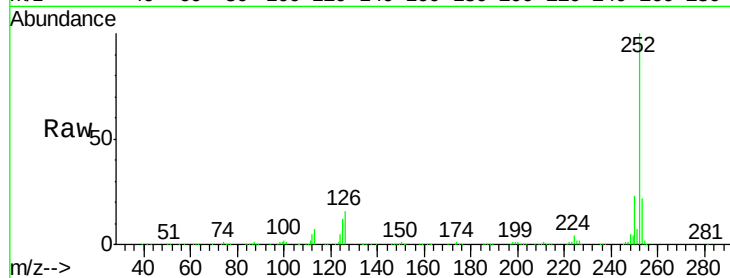




#87
Benzo(b)fluoranthene
Concen: 80.16 ng
RT: 14.77 min Scan# 1153
Delta R.T. 0.02 min
Lab File: BF088255.D
Acq: 22 Jun 2016 17:53

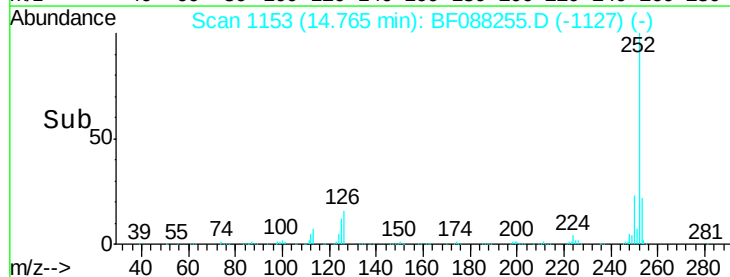
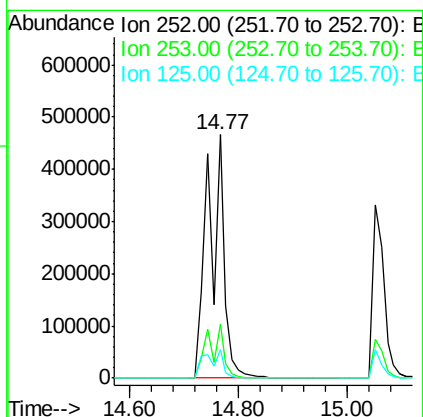
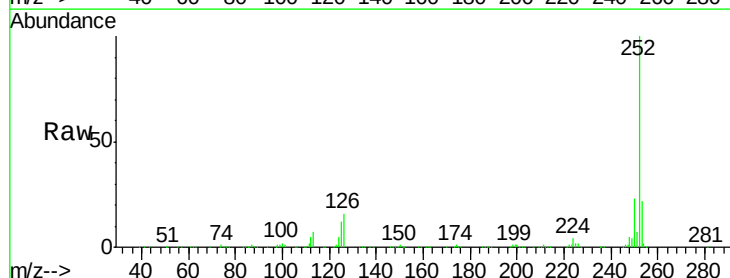
Instrument :
BNA_F
ClientSampleId :
SB-1(3.5-4)MSD

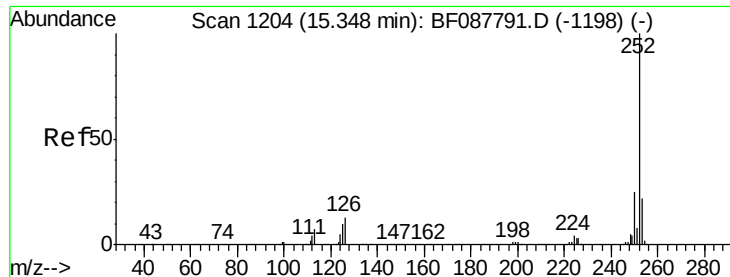
Tgt Ion:252 Resp: 973648
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 11.5 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 106.27 ng
RT: 14.77 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BF088255.D
Acq: 22 Jun 2016 17:53

Tgt Ion:252 Resp: 973648
Ion Ratio Lower Upper
252 100
253 22.2 18.0 27.0
125 11.5 11.2 16.8





#89

Benzo(a)pyrene

Concen: 48.74 ng

RT: 15.05 min Scan# 1178

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

Instrument :

BNA_F

ClientSampleId :

SB-1(3.5-4)MSD

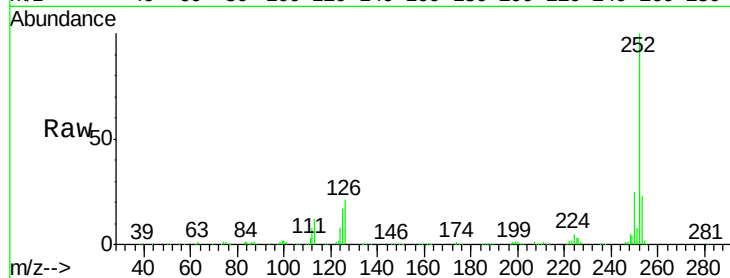
Tgt Ion:252 Resp: 479008

Ion Ratio Lower Upper

252 100

253 22.6 17.9 26.9

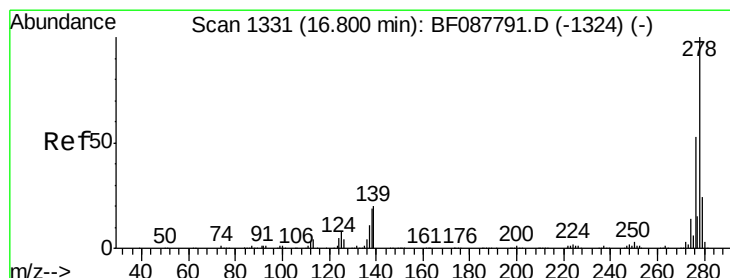
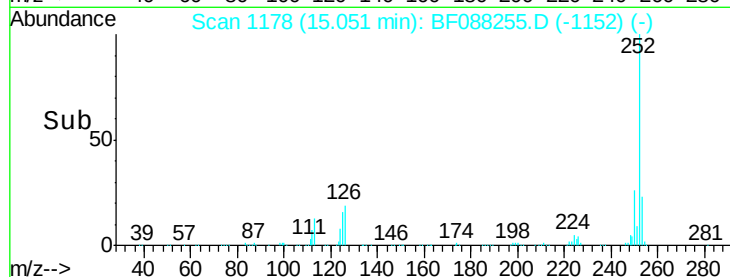
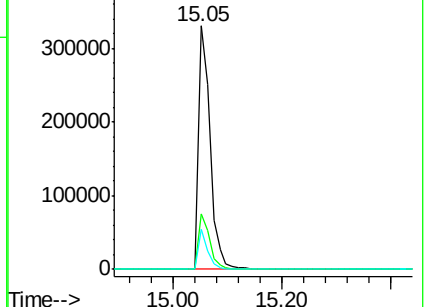
125 16.6 12.5 18.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 44.26 ng

RT: 16.37 min Scan# 1293

Delta R.T. 0.00 min

Lab File: BF088255.D

Acq: 22 Jun 2016 17:53

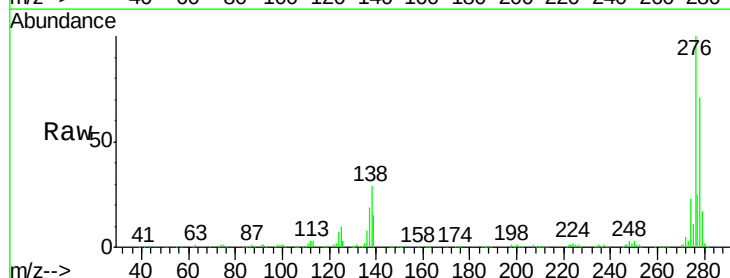
Tgt Ion:278 Resp: 403920

Ion Ratio Lower Upper

278 100

139 20.7 15.7 23.5

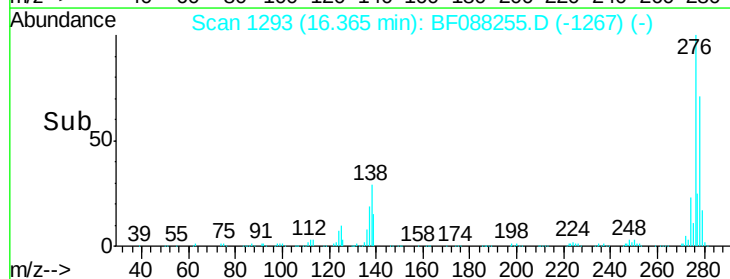
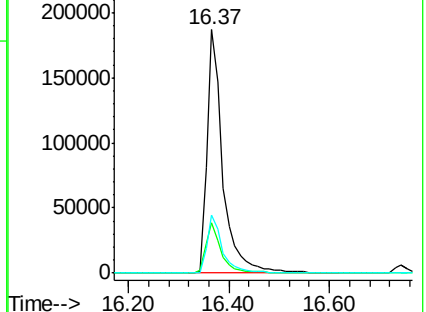
279 23.8 19.4 29.2

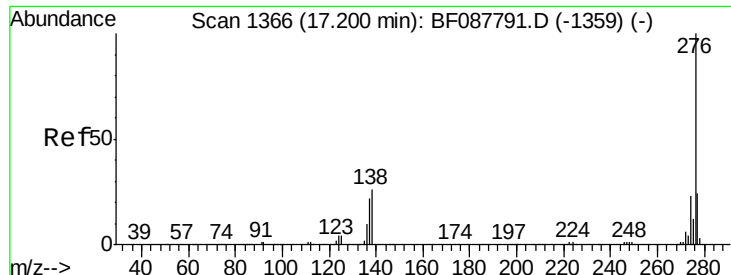


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 45.63 ng

RT: 16.74 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BF088255.D

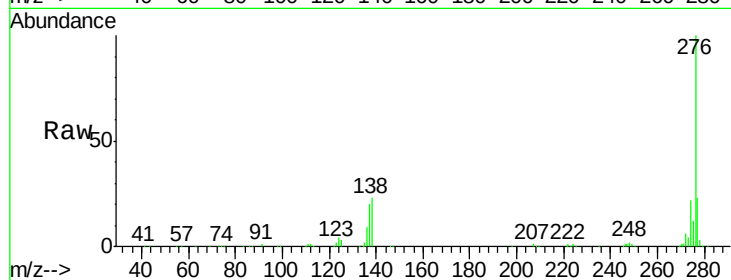
Acq: 22 Jun 2016 17:53

Instrument :

BNA_F

ClientSampleId :

SB-1(3.5-4)MSD



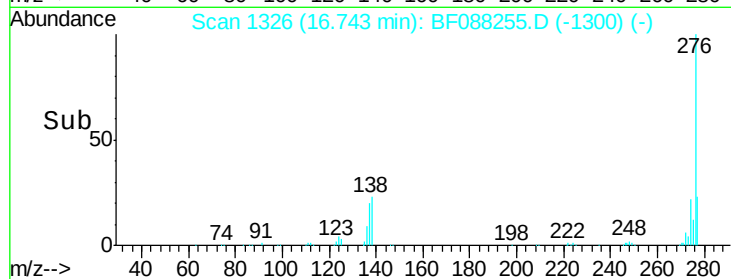
Tgt Ion: 276 Resp: 428427

Ion Ratio Lower Upper

276 100

277 23.3 18.9 28.3

138 23.3 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

