

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083116\
 Data File : BF089958.D
 Acq On : 31 Aug 2016 18:53
 Operator : UM/SJ
 Sample : H4645-01MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 19:30:10 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 31 11:55:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	176990	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	656975	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	333256	20.00	ng	0.00
63) Phenanthrene-d10	11.14	188	563928	20.00	ng	0.00
75) Chrysene-d12	13.76	240	358974	20.00	ng	0.00
86) Perylene-d12	15.10	264	412813	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1309937	118.47	ng	0.01
7) Phenol-d6	6.28	99	1673816	124.58	ng	0.01
23) Nitrobenzene-d5	7.21	82	1104458	97.50	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	410818	124.95	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	1961341	96.61	ng	0.00
78) Terphenyl-d14	12.72	244	1385279	95.33	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	2.15	88	191373	36.53	ng	98
3) Pyridine	2.79	79	315923	22.60	ng	96
4) n-Nitrosodimethylamine	2.73	42	326455	47.36	ng	100
6) Aniline	6.30	93	600977	32.78	ng	# 64
8) 2-Chlorophenol	6.42	128	542543	45.23	ng	95
9) Benzaldehyde	6.17	77	111715	12.89	ng	91
10) Phenol	6.30	94	593703	38.00	ng	94
11) bis(2-Chloroethyl)ether	6.39	93	566364	47.90	ng	# 84
12) 1,3-Dichlorobenzene	6.58	146	599784	44.77	ng	99
13) 1,4-Dichlorobenzene	6.65	146	590117	43.05	ng	100
14) 1,2-Dichlorobenzene	6.81	146	590680	48.06	ng	98
15) Benzyl Alcohol	6.79	79	400488	47.58	ng	100
16) 2,2'-oxybis(1-Chloropropan	6.94	45	1065243	47.25	ng	97
17) 2-Methylphenol	6.91	107	492190	51.37	ng	97
18) Hexachloroethane	7.15	117	212896	45.34	ng	95
19) n-Nitroso-di-n-propylamine	7.07	70	415330	47.44	ng	98
20) 3+4-Methylphenols	7.06	107	505089	43.49	ng	98
22) Acetophenone	7.05	105	679900	46.13	ng	# 93
24) Nitrobenzene	7.22	77	518162	43.02	ng	96
25) Isophorone	7.47	82	1106187	48.02	ng	99
26) 2-Nitrophenol	7.54	139	288715	50.15	ng	98
27) 2,4-Dimethylphenol	7.59	122	527691	49.55	ng	99
28) bis(2-Chloroethoxy)methane	7.69	93	736335	53.00	ng	99
29) 2,4-Dichlorophenol	7.78	162	460495	48.24	ng	98
30) 1,2,4-Trichlorobenzene	7.87	180	528794	50.66	ng	99
31) Naphthalene	7.94	128	1478490	45.17	ng	100
32) Benzoic acid	7.70	122	144939	20.20	ng	96
33) 4-Chloroaniline	8.00	127	445678	33.75	ng	96
34) Hexachlorobutadiene	8.07	225	286525	46.84	ng	98
35) Caprolactam	8.36	113	147593	48.98	ng	94
36) 4-Chloro-3-methylphenol	8.49	107	508130	50.26	ng	88
37) 2-Methylnaphthalene	8.64	142	1113779	51.50	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.80	216	380879	39.01	ng	99
40) Hexachlorocyclopentadiene	8.79	237	372739	74.46	ng	94

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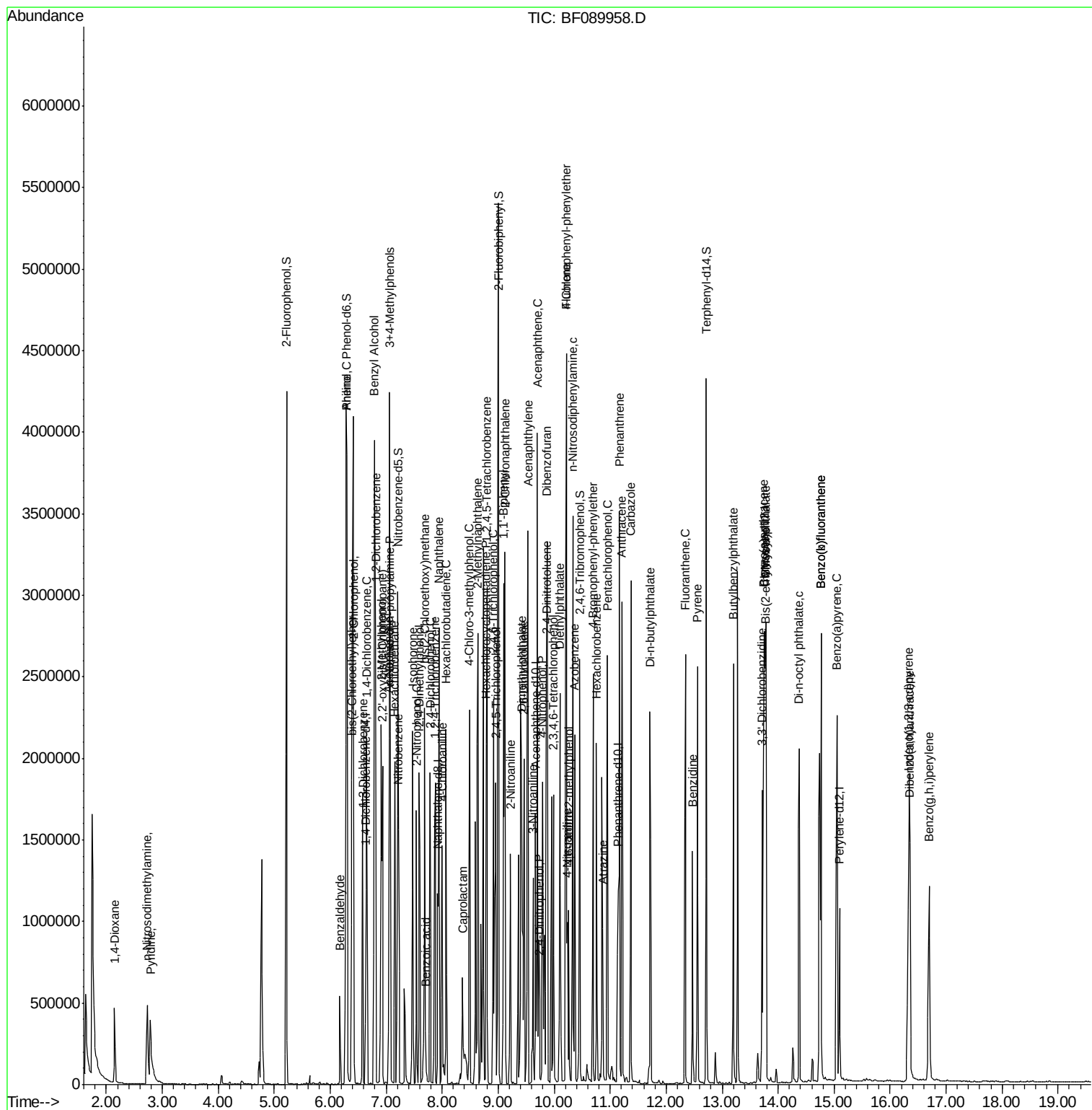
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42) 2,4,6-Trichlorophenol	8.91	196	338191	49.99	nq	98
43) 2,4,5-Trichlorophenol	8.96	196	336084	51.66	nq	# 91
45) 1,1'-Biphenyl	9.10	154	1048381	39.07	nq	100
46) 2-Chloronaphthalene	9.12	162	915512	48.23	nq	99
47) 2-Nitroaniline	9.22	65	325037	52.38	nq	# 55
48) Acenaphthylene	9.53	152	1421564	45.29	nq	100
49) Dimethylphthalate	9.42	163	1584875	65.80	nq	# 97
50) 2,6-Dinitrotoluene	9.46	165	244559	45.65	nq	94
51) Acenaphthene	9.70	154	956979	48.13	nq	99
52) 3-Nitroaniline	9.62	138	190742	31.22	nq	98
53) 2,4-Dinitrophenol	9.74	184	158143	52.61	nq	# 52
54) Dibenzofuran	9.87	168	1278428	47.98	nq	99
55) 4-Nitrophenol	9.79	139	349732	75.89	nq	# 62
56) 2,4-Dinitrotoluene	9.86	165	320109	47.12	nq	88
57) Fluorene	10.22	166	993428	51.02	nq	99
58) 2,3,4,6-Tetrachlorophenol	9.99	232	262454	47.12	nq	98
59) Diethylphthalate	10.10	149	1056867	46.64	nq	100
60) 4-Chlorophenyl-phenylether	10.22	204	458728	50.06	nq	98
61) 4-Nitroaniline	10.24	138	267935	44.63	nq	98
62) Azobenzene	10.36	77	1108354	48.97	nq	100
64) 4,6-Dinitro-2-methylphenol	10.26	198	125398	34.73	nq	99
65) n-Nitrosodiphenylamine	10.33	169	851118	50.20	nq	100
66) 4-Bromophenyl-phenylether	10.70	248	299058	52.68	nq	99
67) Hexachlorobenzene	10.75	284	294347	45.39	nq	99
68) Atrazine	10.87	200	282049	49.83	nq	89
69) Pentachlorophenol	10.95	266	295889	84.81	nq	99
70) Phenanthrene	11.16	178	1398992	49.82	nq	99
71) Anthracene	11.21	178	1273331	44.70	nq	100
72) Carbazole	11.37	167	1222897	45.79	nq	99
73) Di-n-butylphthalate	11.71	149	1549462	49.78	nq	100
74) Fluoranthene	12.34	202	1358897	46.17	nq	99
76) Benzidine	12.47	184	544503	40.04	nq	96
77) Pyrene	12.56	202	1241413	49.05	nq	99
79) Butylbenzylphthalate	13.20	149	561356	55.00	nq	96
80) Benzo(a)anthracene	13.75	228	1142773	51.98	nq	99
81) 3,3'-Dichlorobenzidine	13.71	252	375305	47.29	nq	98
82) Chrysene	13.78	228	1074357	52.31	nq	99
83) Bis(2-ethylhexyl)phthalate	13.77	149	738217	52.29	nq	99
84) Di-n-octyl phthalate	14.38	149	1317493	57.82	nq	100
85) Indeno(1,2,3-cd)pyrene	16.33	276	1181638	77.82	nq	99
87) Benzo(b)fluoranthene	14.77	252	2198272	85.00	nq	# 98
88) Benzo(k)fluoranthene	14.77	252	2198272	100.17	nq	99
89) Benzo(a)pyrene	15.05	252	1123584	50.71	nq	# 99
90) Dibenzo(a,h)anthracene	16.35	278	991390	61.07	nq	97
91) Benzo(g,h,i)perylene	16.70	276	975606	59.70	nq	# 94

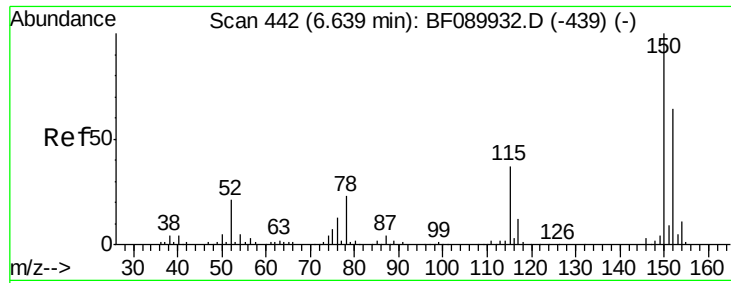
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
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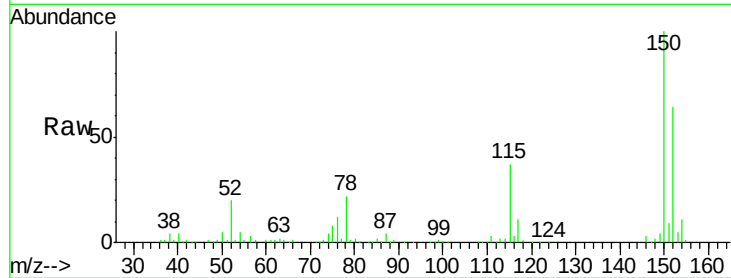


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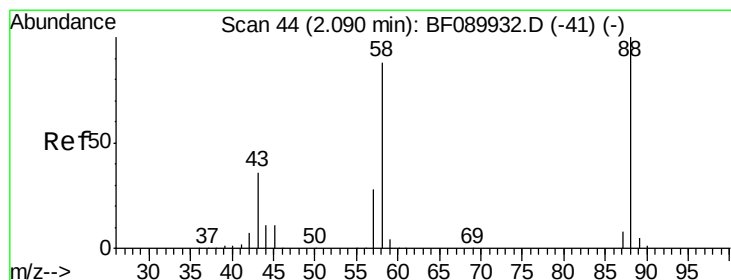
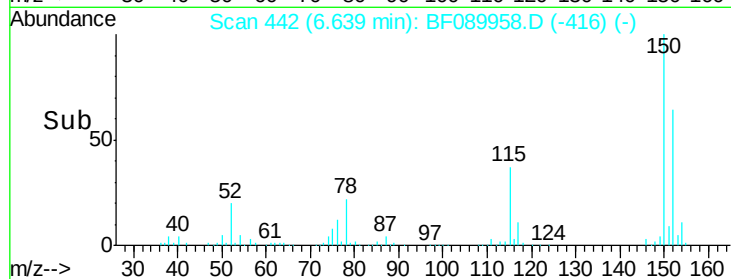
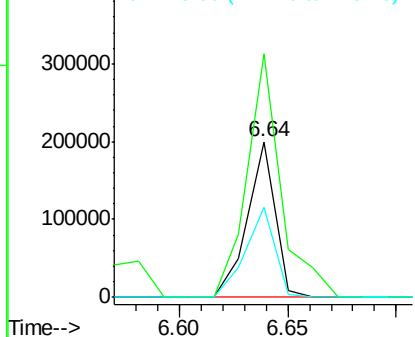
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.64 min Scan# 442
Delta R.T. 0.00 min
Lab File: BF089958.D
Acq: 31 Aug 2016 18:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 176990
Ion Ratio Lower Upper
152 100
150 156.6 127.4 191.2
115 57.7 46.3 69.5



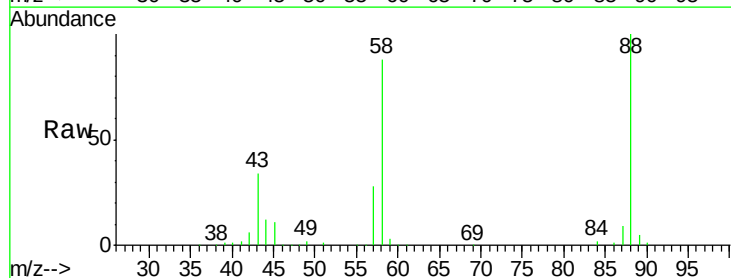
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



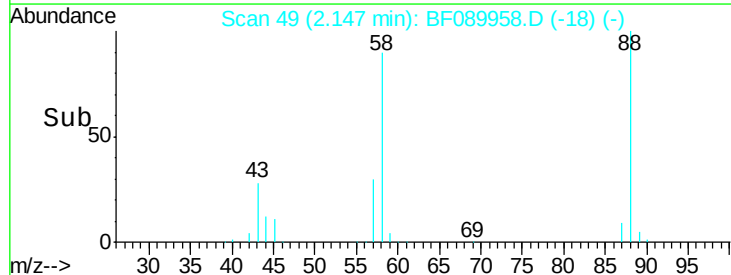
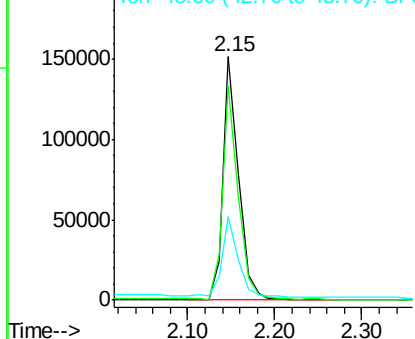
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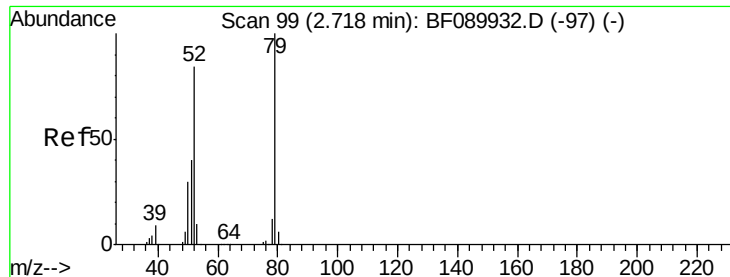
1,4-Dioxane
Concen: 36.53 ng
RT: 2.15 min Scan# 49
Delta R.T. 0.06 min
Lab File: BF089958.D
Acq: 31 Aug 2016 18:53

Tgt Ion: 88 Resp: 191373
Ion Ratio Lower Upper
88 100
58 87.7 68.8 103.2
43 34.1 27.0 40.6



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0

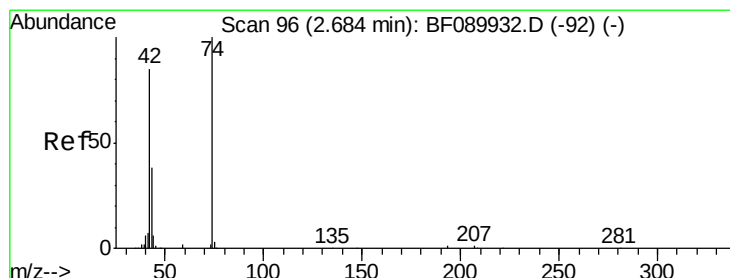
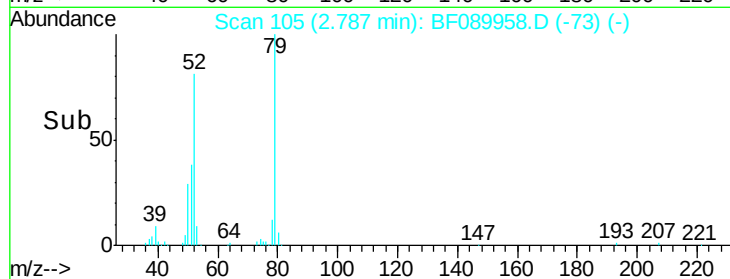
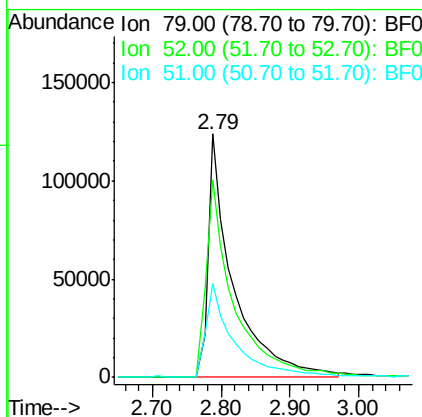
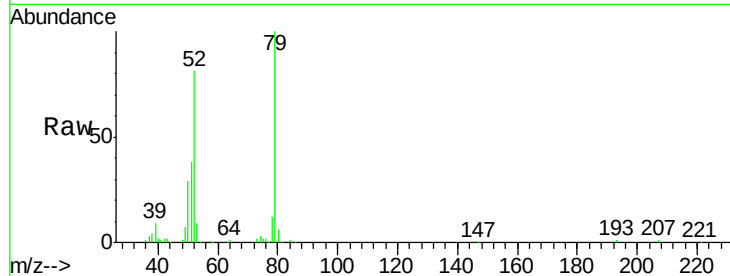




#3
 Pvridine
 Concen: 22.60 ng
 RT: 2.79 min Scan# 105
 Delta R.T. 0.07 min
 Lab File: BF089958.D
 Acq: 31 Aug 2016 18:53

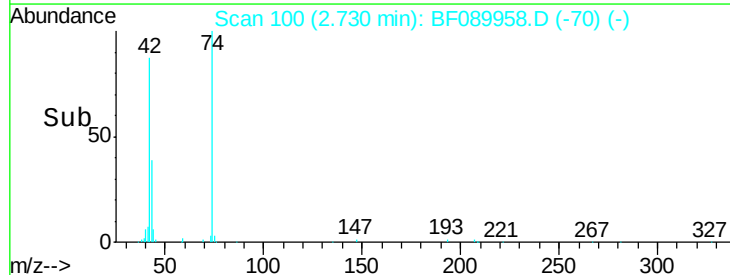
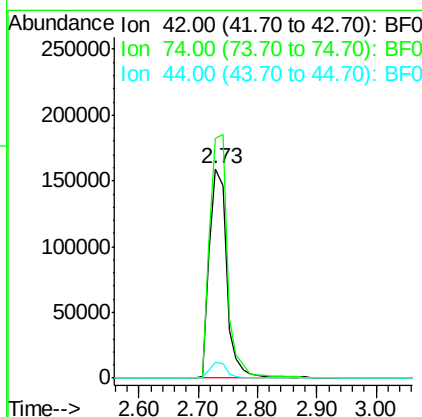
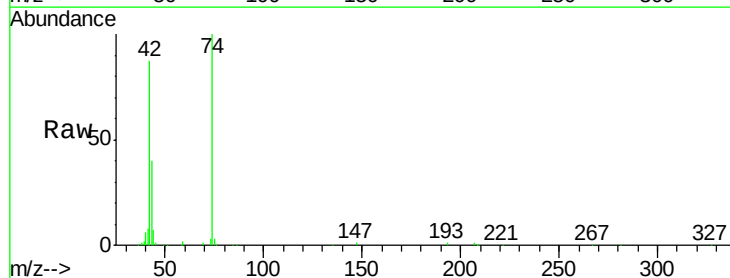
Instrument :
 BNA_F
 ClientSampleId :

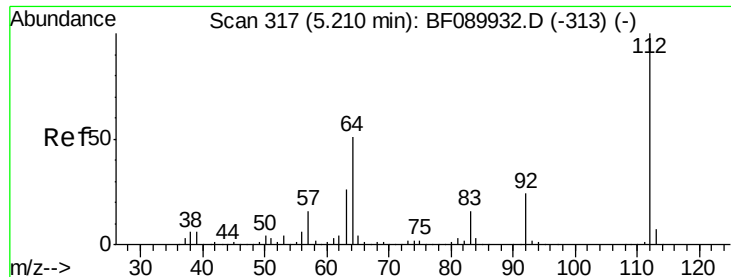
Tot Ion: 79 Resp: 315923
 Ion Ratio Lower Upper
 79 100
 52 81.0 67.8 101.6
 51 38.4 32.9 49.3



#4
 n-Nitrosodimethylamine
 Concen: 47.36 ng
 RT: 2.73 min Scan# 100
 Delta R.T. 0.05 min
 Lab File: BF089958.D
 Acq: 31 Aug 2016 18:53

Tgt Ion: 42 Resp: 326455
 Ion Ratio Lower Upper
 42 100
 74 114.8 92.0 138.0
 44 7.6 5.8 8.8





#5

2-Fluorophenol

Concen: 118.47 ng

RT: 5.22 min Scan# 318

Delta R.T. 0.01 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

Instrument :

BNA_F

ClientSampleId :

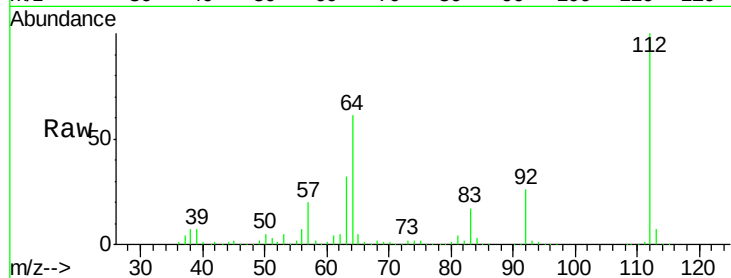
Tot Ion:112 Resp: 1309937

Ion Ratio Lower Upper

112 100

64 60.8 41.1 61.7

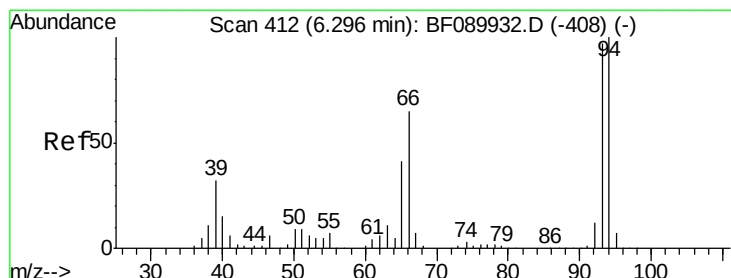
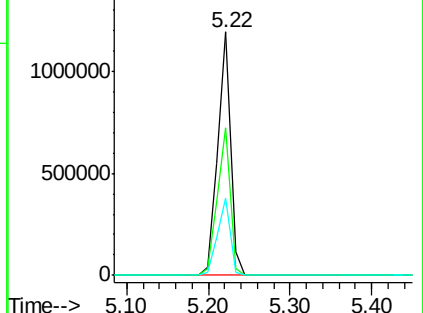
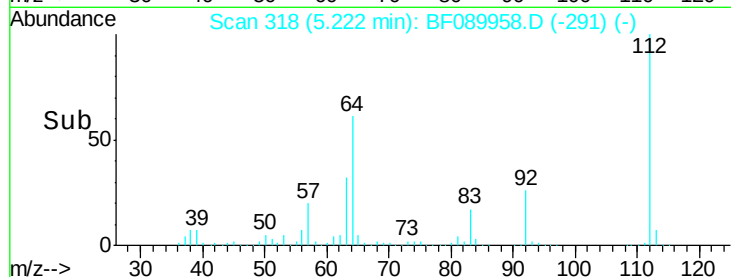
63 32.0 21.2 31.8#



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: 32.78 ng

RT: 6.30 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

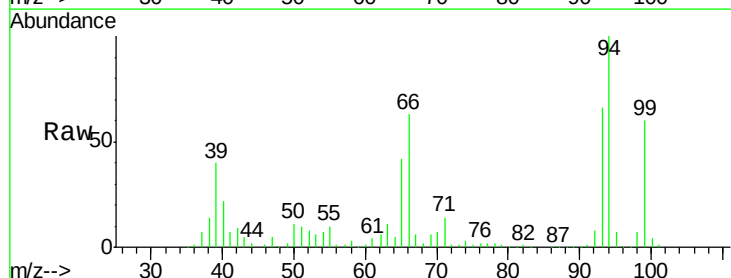
Tgt Ion: 93 Resp: 600977

Ion Ratio Lower Upper

93 100

66 95.2 52.9 79.3#

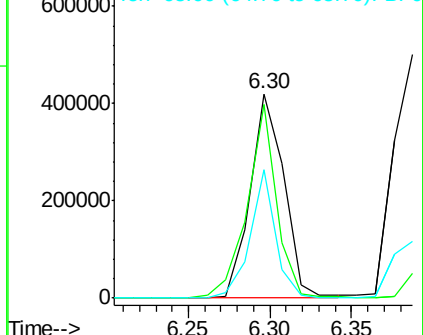
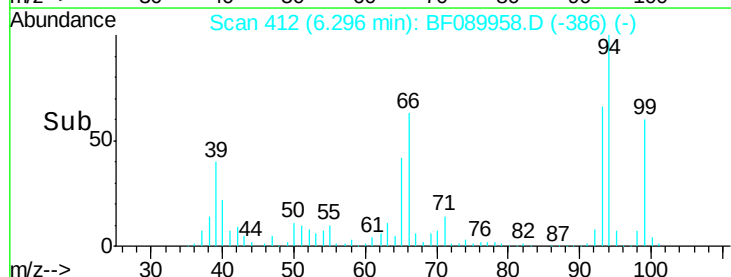
65 63.1 33.0 49.6#

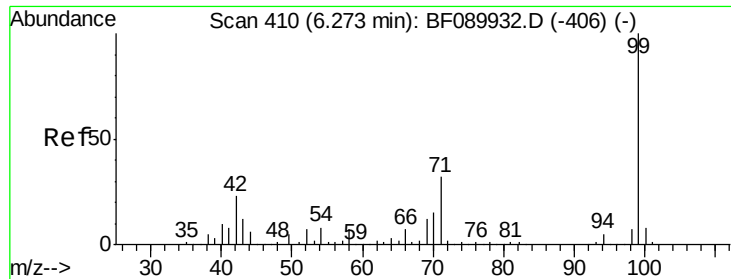


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 124.58 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.01 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

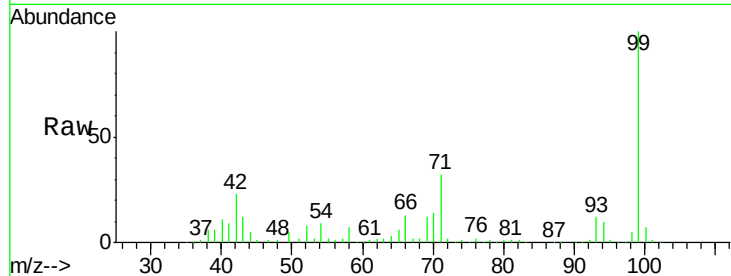
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1673816

Ion	Ratio	Lower	Upper
99	100		
42	23.2	18.6	27.8
71	32.3	25.8	38.6

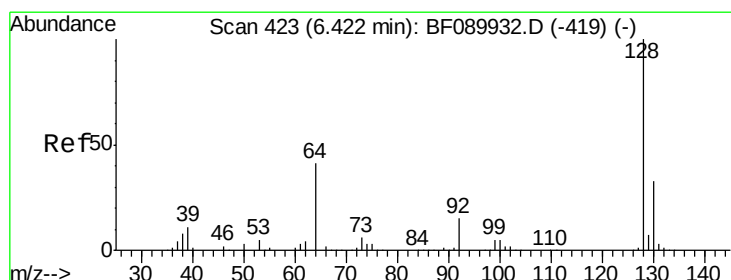
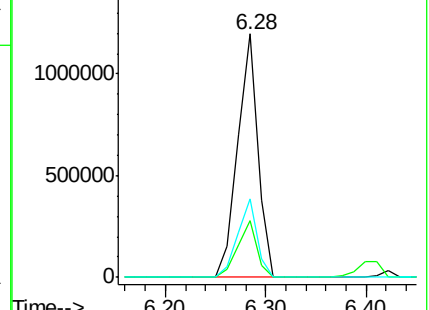
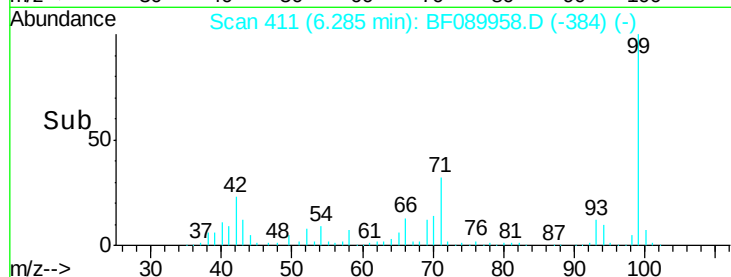


Abundance

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: 45.23 ng

RT: 6.42 min Scan# 423

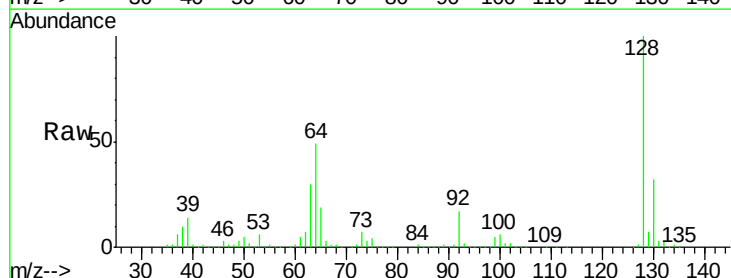
Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

Tgt Ion: 128 Resp: 542543

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.8	52.8
64	48.7	23.2	63.2

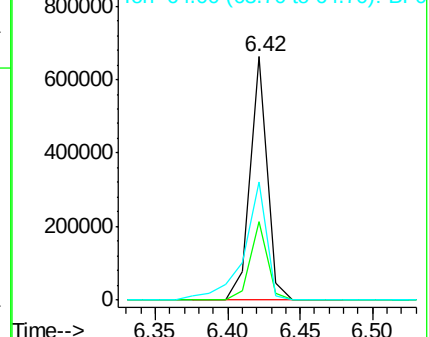
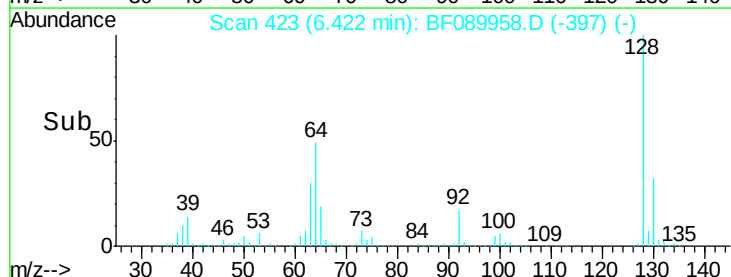


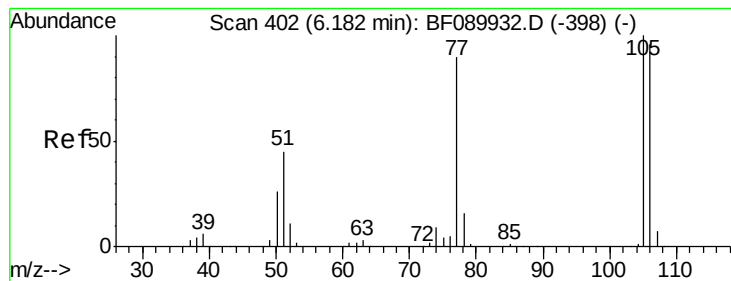
Abundance

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: 12.89 ng

RT: 6.17 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

Instrument :

BNA_F

ClientSampled :

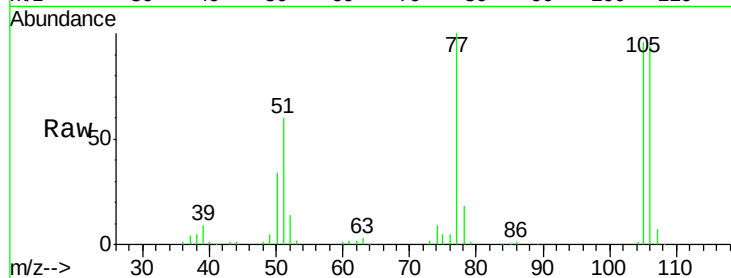
Tot Ion: 77 Resp: 111715

Ion Ratio Lower Upper

77 100

105 96.3 85.4 125.4

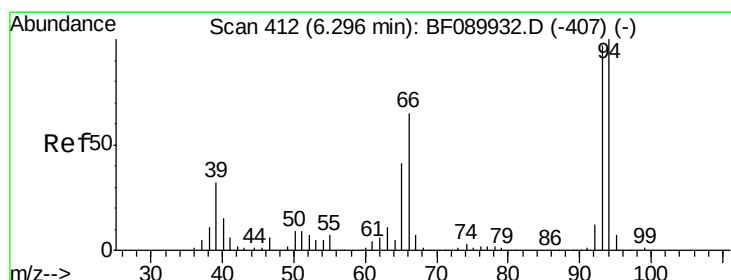
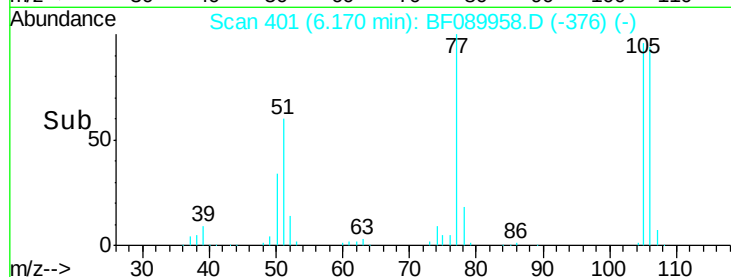
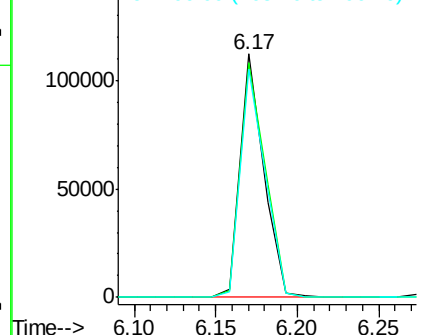
106 94.0 83.4 123.4



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: 38.00 ng

RT: 6.30 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

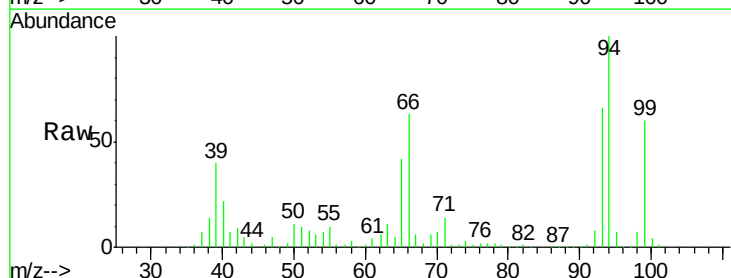
Tgt Ion: 94 Resp: 593703

Ion Ratio Lower Upper

94 100

65 41.8 23.2 63.2

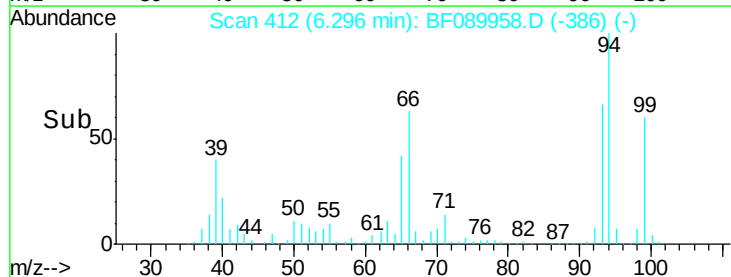
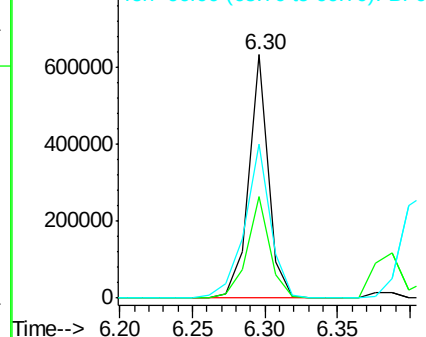
66 63.0 49.2 89.2

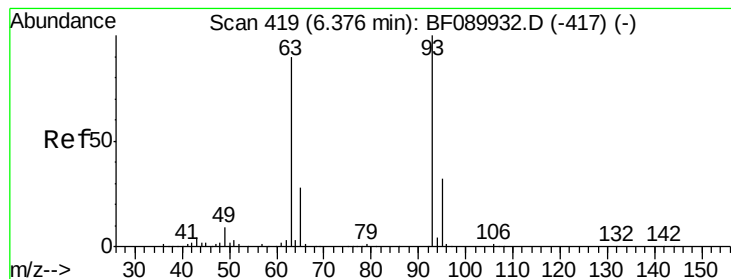


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

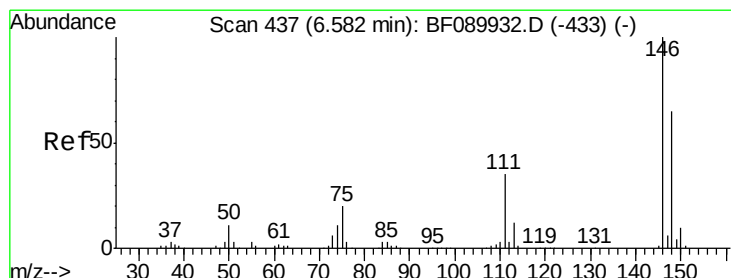
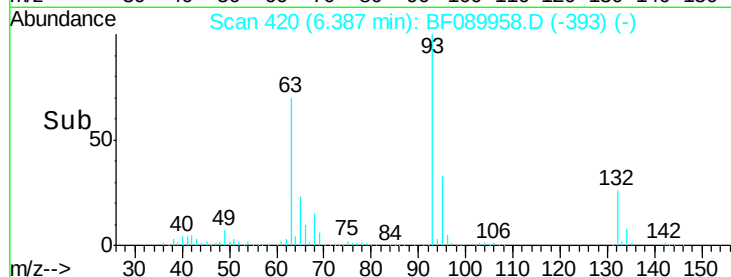
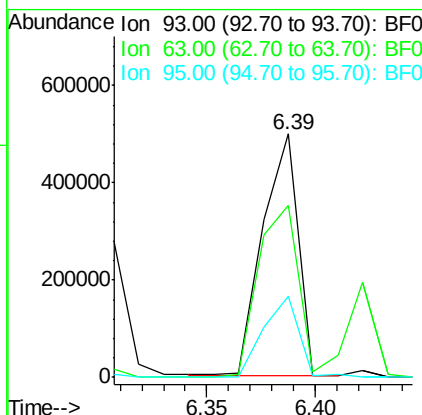
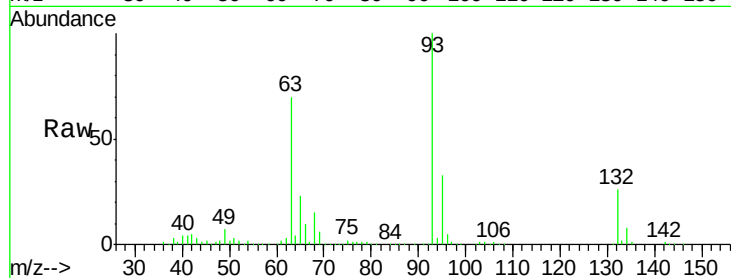




#11
bis(2-Chloroethyl)ether
Concen: 47.90 ng
RT: 6.39 min Scan# 420
Delta R.T. 0.01 min
Lab File: BF089958.D
Acq: 31 Aug 2016 18:53

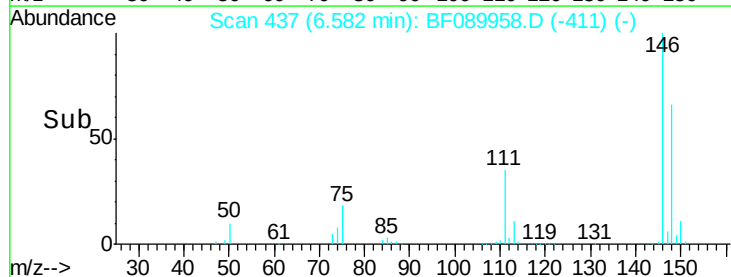
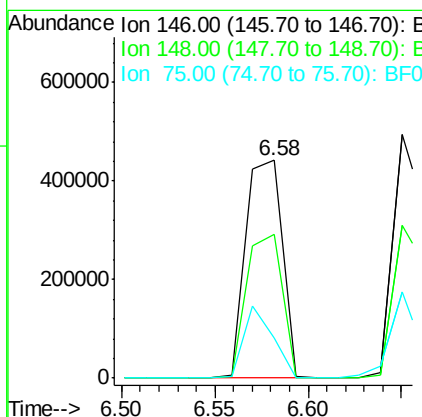
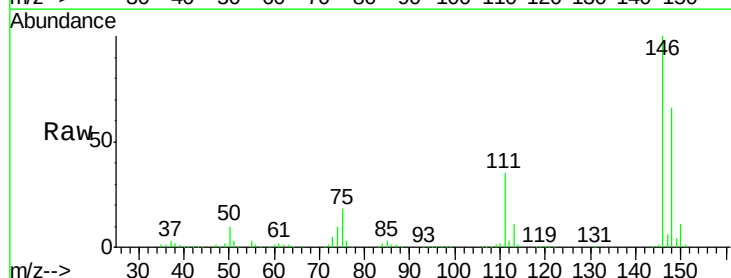
Instrument :
BNA_F
ClientSampleId :

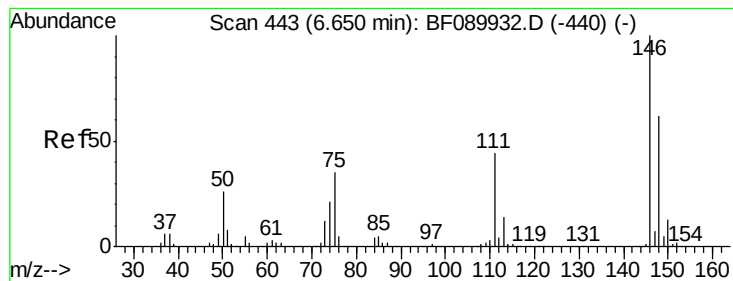
Tot Ion: 93 Resp: 566364
Ion Ratio Lower Upper
93 100
63 70.5 71.1 111.1#
95 33.1 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 44.77 ng
RT: 6.58 min Scan# 437
Delta R.T. 0.00 min
Lab File: BF089958.D
Acq: 31 Aug 2016 18:53

Tgt Ion: 146 Resp: 599784
Ion Ratio Lower Upper
146 100
148 65.8 52.5 78.7
75 18.4 16.6 24.8





#13

1,4-Dichlorobenzene

Concen: 43.05 ng

RT: 6.65 min Scan# 443

Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

Instrument :

BNA_F

ClientSampled :

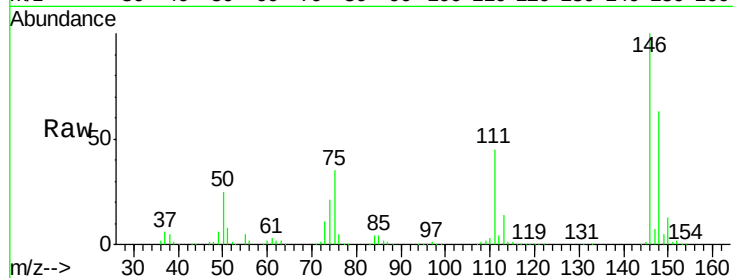
Tot Ion:146 Resp: 590117

Ion Ratio Lower Upper

146 100

148 62.8 50.1 75.1

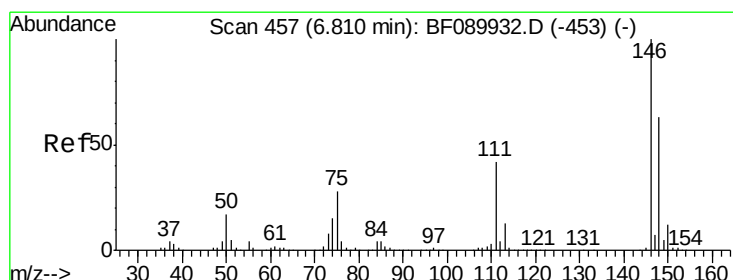
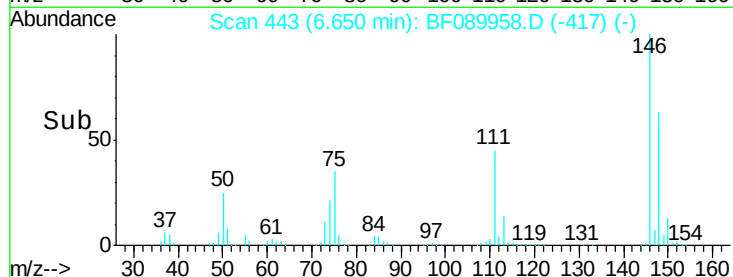
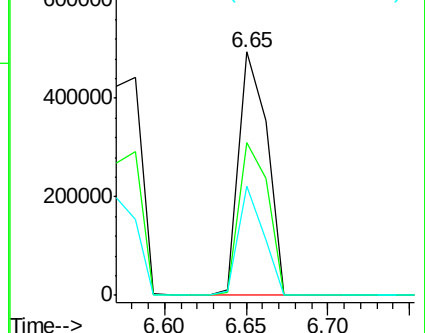
111 44.9 35.8 53.6



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 48.06 ng

RT: 6.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

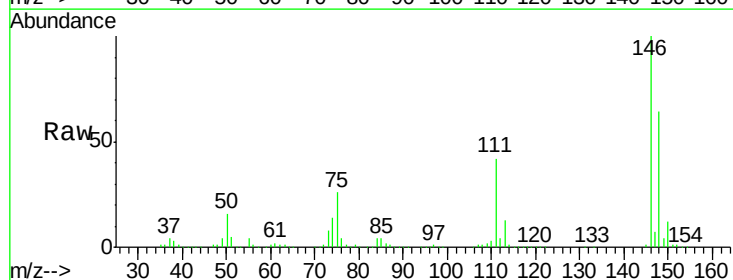
Tgt Ion:146 Resp: 590680

Ion Ratio Lower Upper

146 100

148 63.7 51.4 77.2

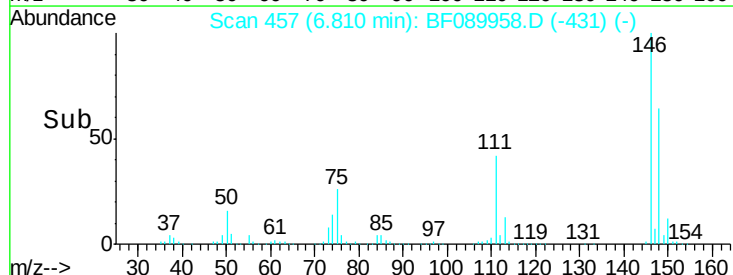
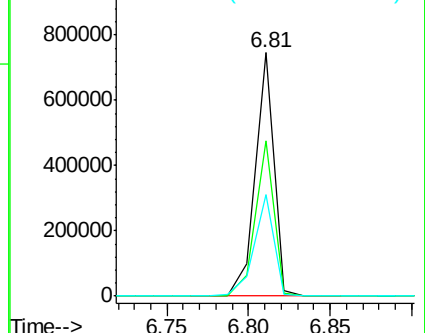
111 41.5 34.6 51.8

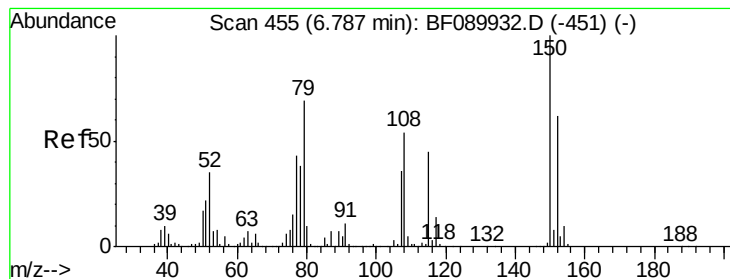


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 47.58 ng

RT: 6.79 min Scan# 455

Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

Instrument :

BNA_F

ClientSampleId :

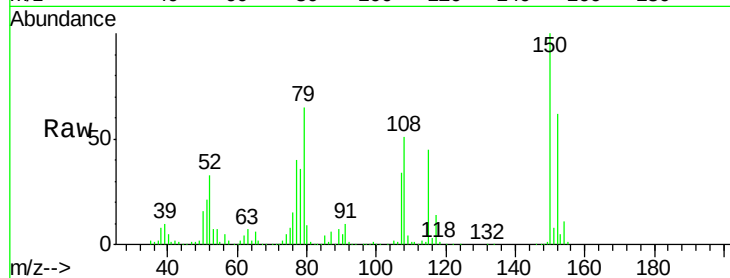
Tot Ion: 79 Resp: 400488

Ion Ratio Lower Upper

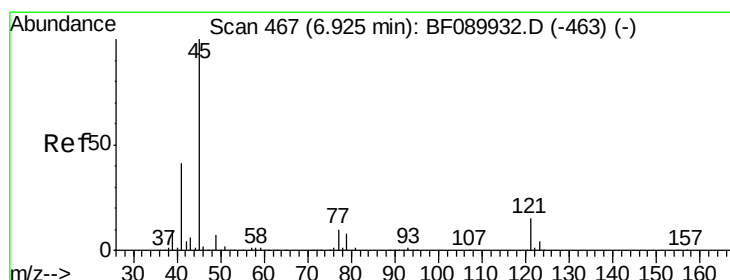
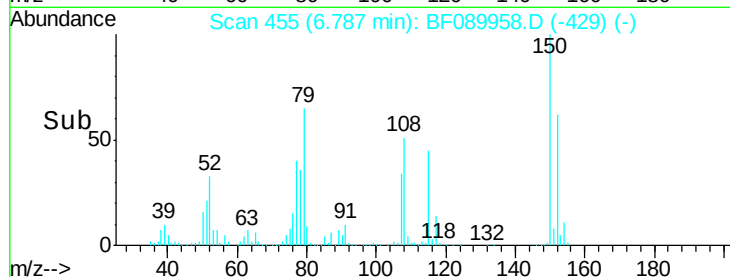
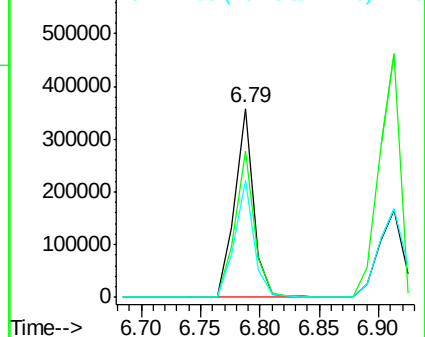
79 100

108 77.6 62.1 93.1

77 62.1 50.1 75.1



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-chloropropane)

Concen: 47.25 ng

RT: 6.94 min Scan# 468

Delta R.T. 0.01 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

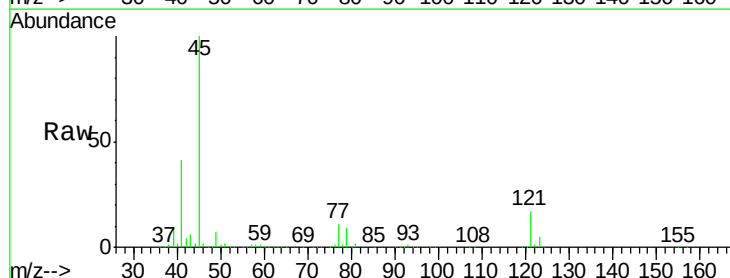
Tgt Ion: 45 Resp: 1065243

Ion Ratio Lower Upper

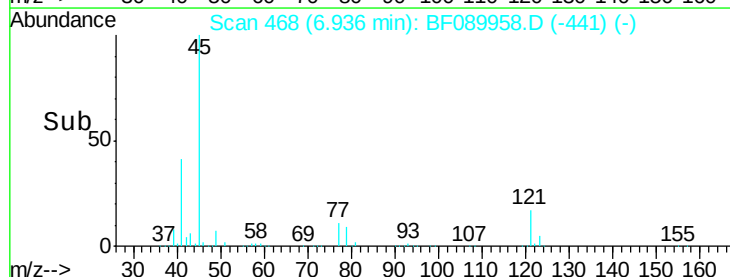
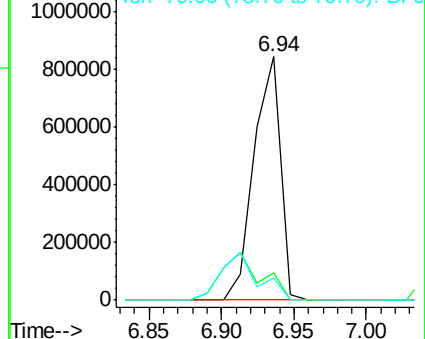
45 100

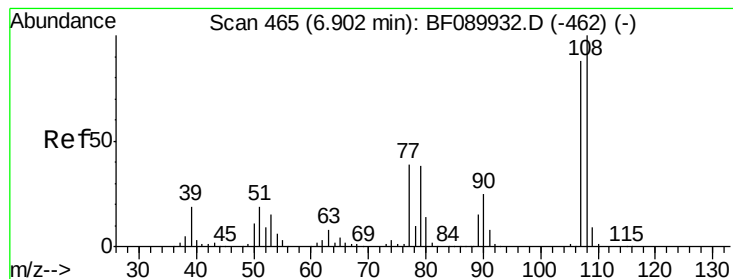
77 11.1 0.0 30.3

79 8.9 0.0 27.5



Abundance Ion 45.00 (44.70 to 45.70): BF0
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 51.37 ng

RT: 6.91 min Scan# 466

Delta R.T. 0.01 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 492190

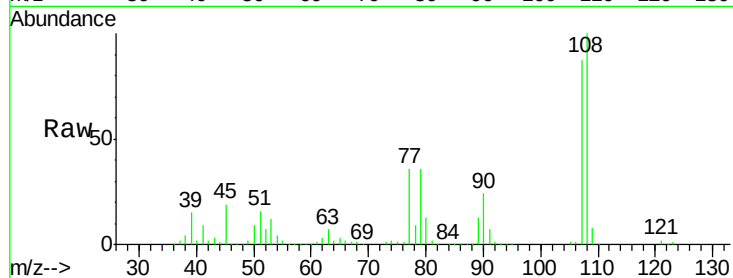
Ion Ratio Lower Upper

107 100

108 114.3 91.8 137.6

77 41.4 36.0 54.0

79 41.0 35.9 53.9

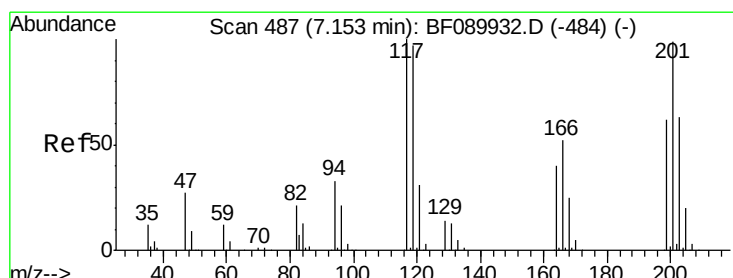
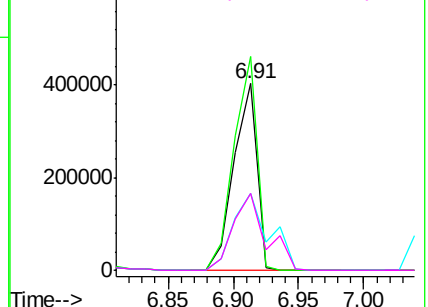
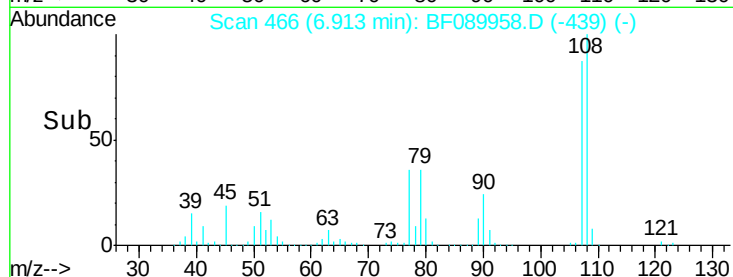


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 45.34 ng

RT: 7.15 min Scan# 487

Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

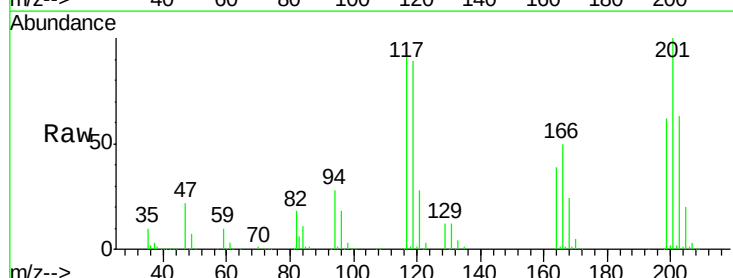
Tgt Ion:117 Resp: 212896

Ion Ratio Lower Upper

117 100

119 97.1 76.2 114.2

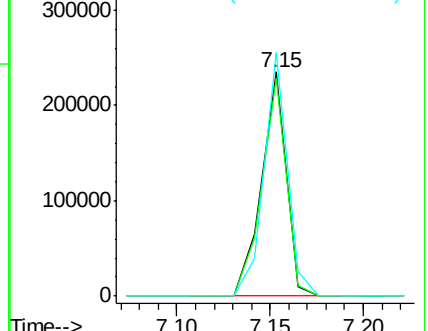
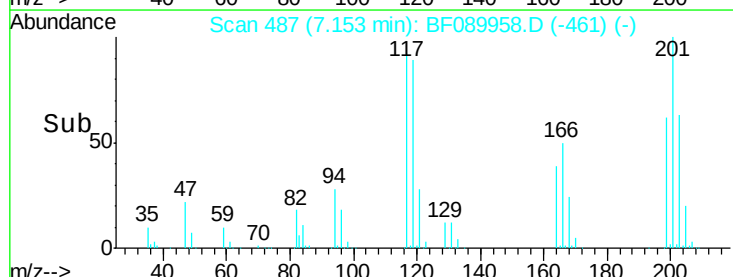
201 108.7 80.2 120.2

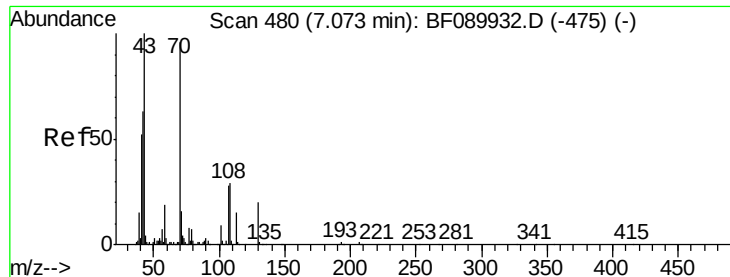


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

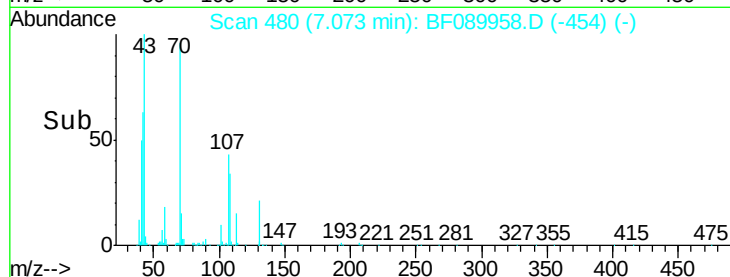
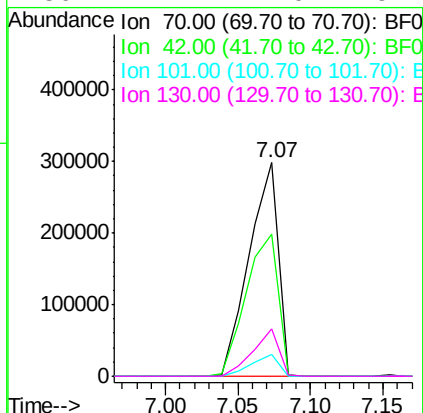
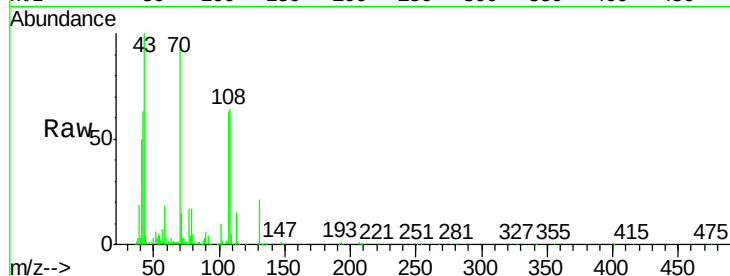




#19
n-Nitroso-di-n-propylamine
Concen: 47.44 ng
RT: 7.07 min Scan# 480
Delta R.T. 0.00 min
Lab File: BF089958.D
Acq: 31 Aug 2016 18:53

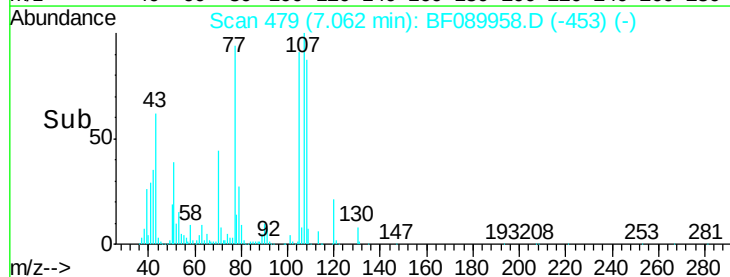
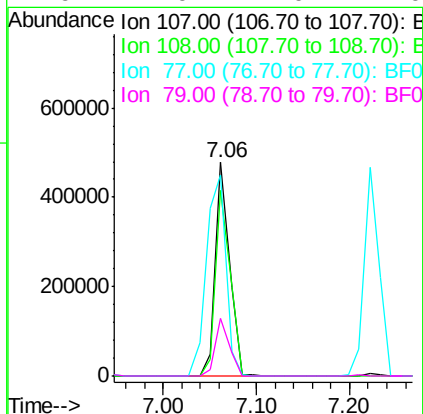
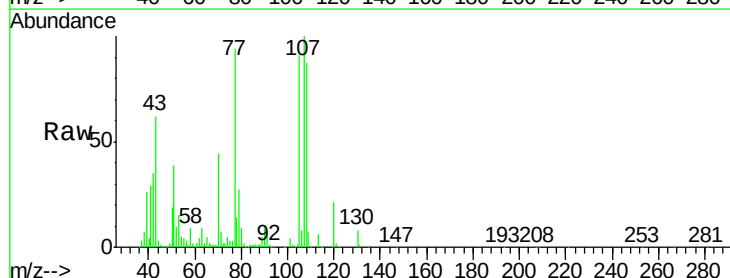
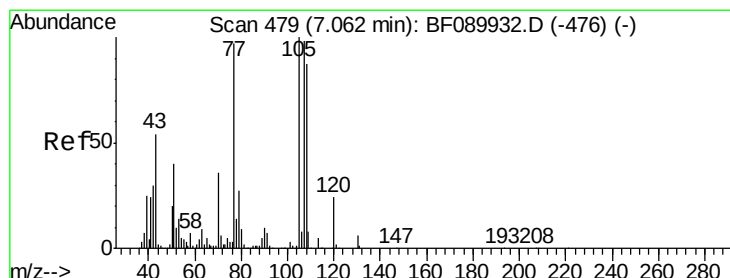
Instrument :
BNA_F
ClientSampleId :

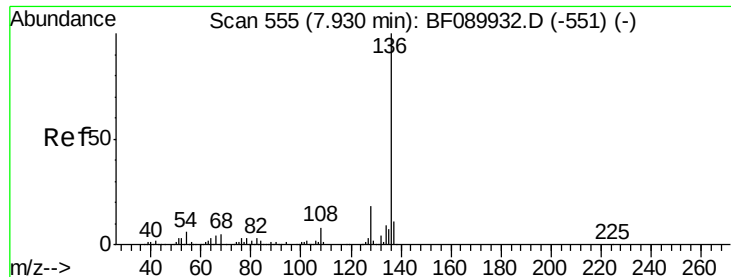
Tot Ion: 70 Resp: 415330
Ion Ratio Lower Upper
70 100
42 66.6 52.1 78.1
101 10.3 7.4 11.2
130 22.1 17.0 25.4



#20
3+4-Methylphenols
Concen: 43.49 ng
RT: 7.06 min Scan# 479
Delta R.T. 0.00 min
Lab File: BF089958.D
Acq: 31 Aug 2016 18:53

Tgt Ion: 107 Resp: 505089
Ion Ratio Lower Upper
107 100
108 86.9 70.2 110.2
77 94.1 75.7 115.7
79 27.0 7.0 47.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 554

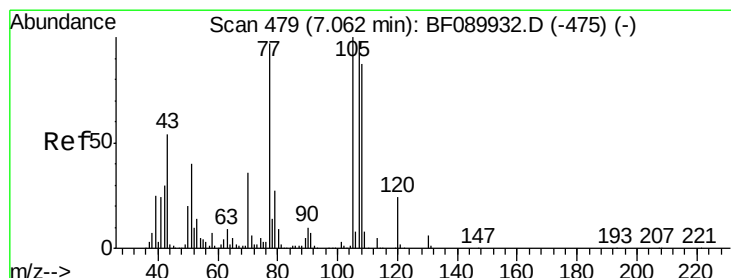
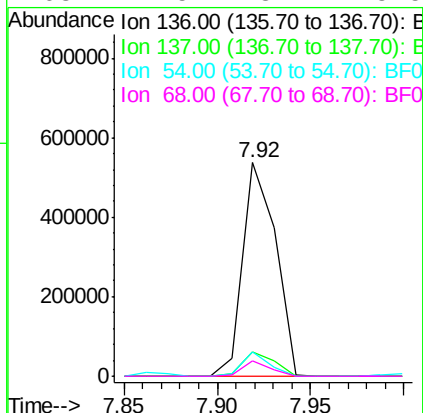
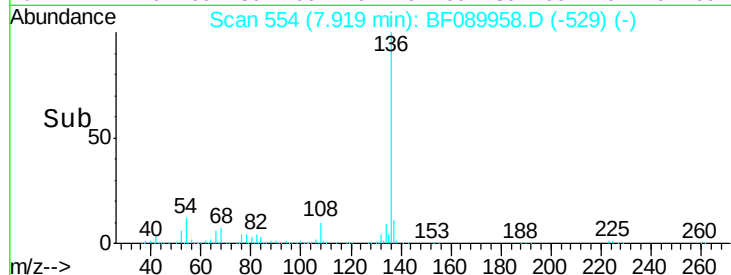
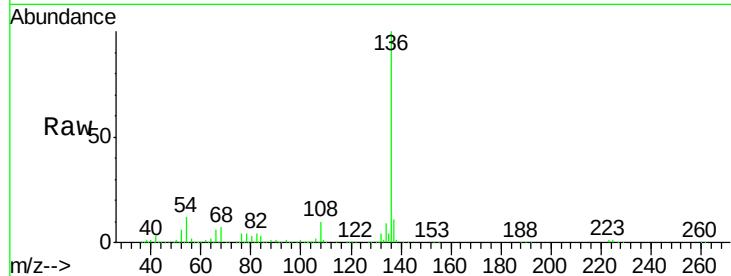
Delta R.T. -0.01 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	656975
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.3 12.5
54	11.6	4.8 7.2#
68	7.5	3.7 5.5#



#22

Acetophenone

Concen: 46.13 ng

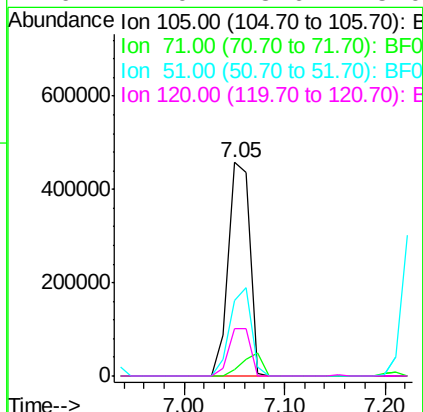
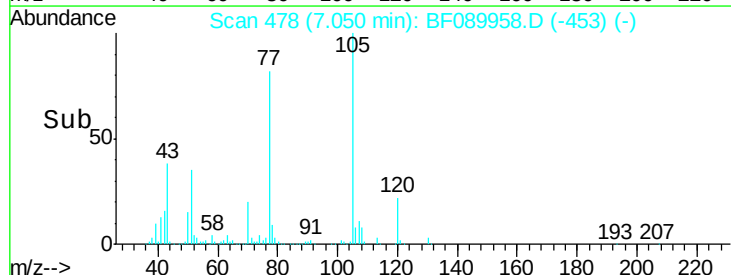
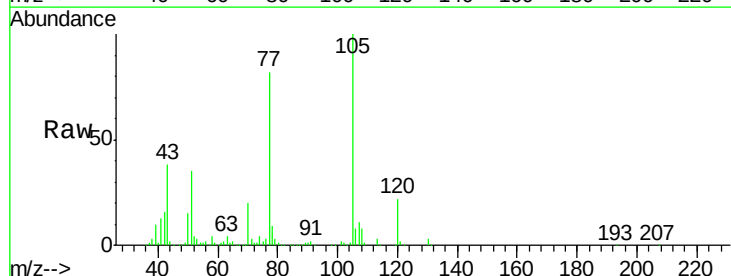
RT: 7.05 min Scan# 478

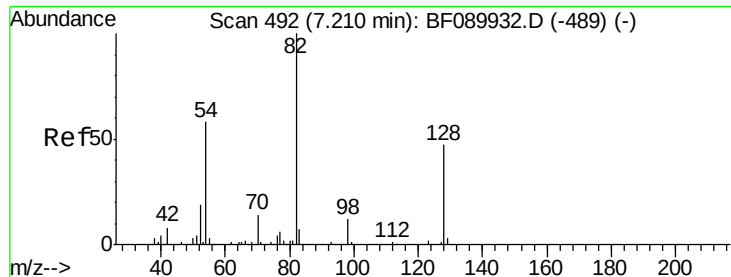
Delta R.T. -0.01 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

Tgt Ion:105	Resp:	679900
Ion Ratio	Lower	Upper
105	100	
71	3.3	5.3 7.9#
51	35.1	32.6 48.8
120	22.0	18.6 28.0

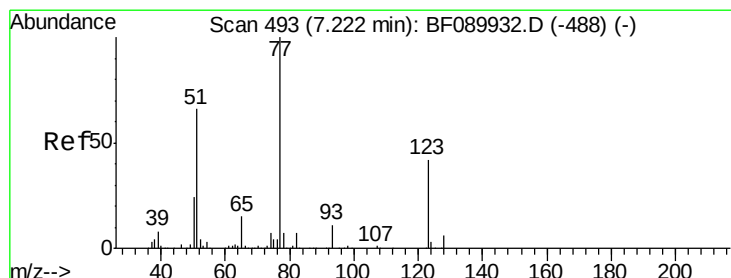
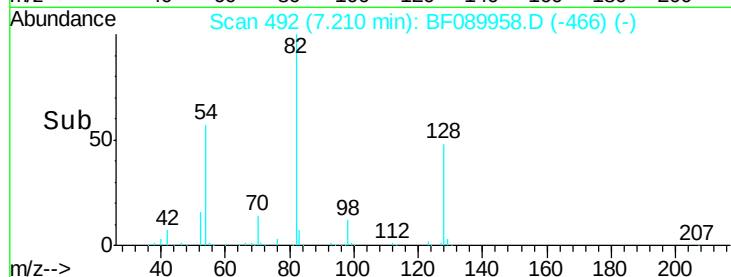
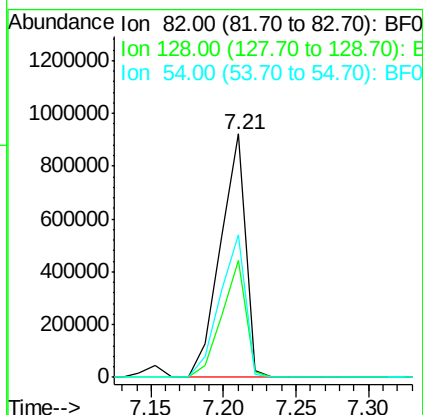
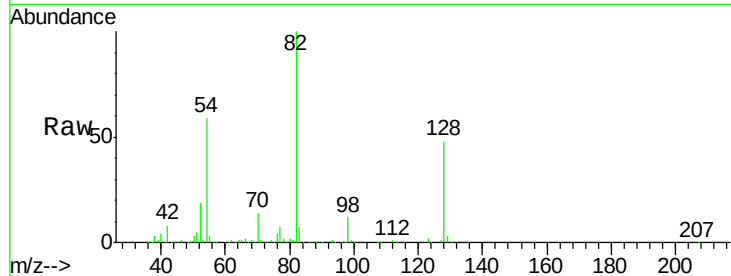




#23
 Nitrobenzene-d5
 Concen: 97.50 ng
 RT: 7.21 min Scan# 492
 Delta R.T. 0.00 min
 Lab File: BF089958.D
 Acq: 31 Aug 2016 18:53

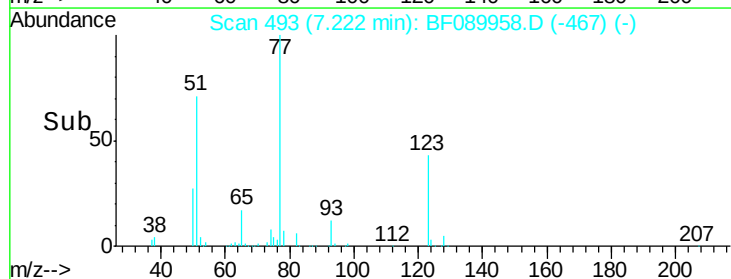
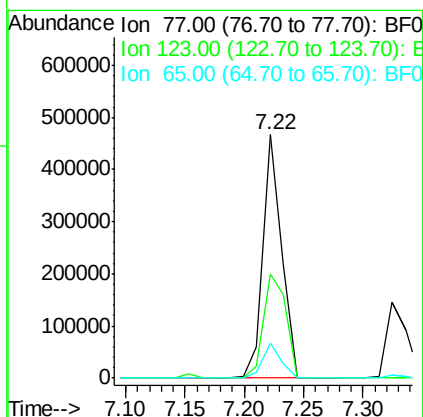
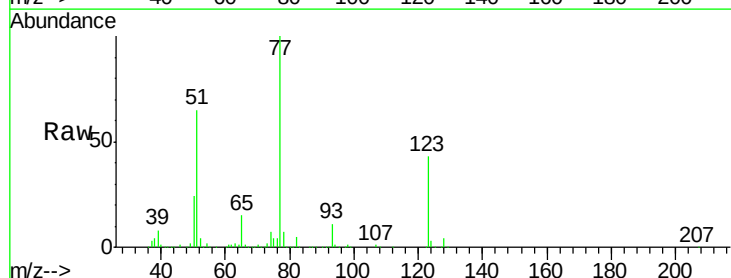
Instrument :
 BNA_F
 ClientSampleId :

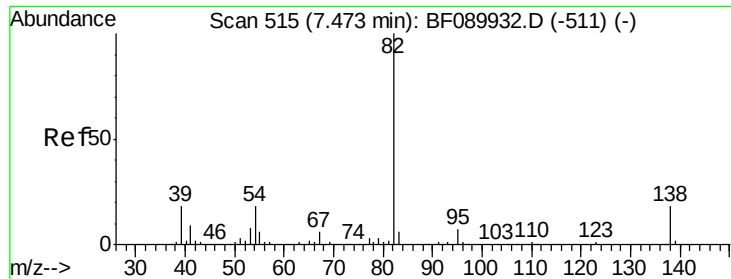
Tot Ion: 82 Resp: 1104458
 Ion Ratio Lower Upper
 82 100
 128 48.2 37.8 56.8
 54 58.6 46.9 70.3



#24
 Nitrobenzene
 Concen: 43.02 ng
 RT: 7.22 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: BF089958.D
 Acq: 31 Aug 2016 18:53

Tgt Ion: 77 Resp: 518162
 Ion Ratio Lower Upper
 77 100
 123 43.0 32.0 48.0
 65 14.5 11.2 16.8





#25

Isophorone

Concen: 48.02 ng

RT: 7.47 min Scan# 515

Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

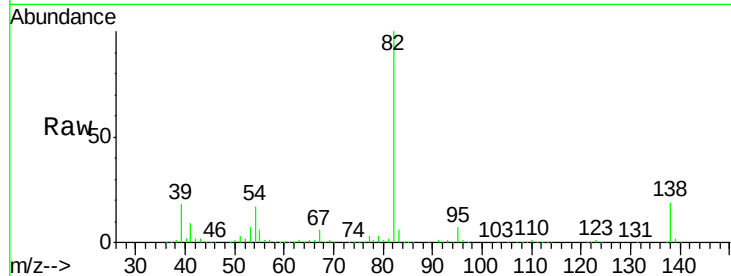
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 82 Resp: 1106187

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.5	8.3
138	18.6	14.4	21.6

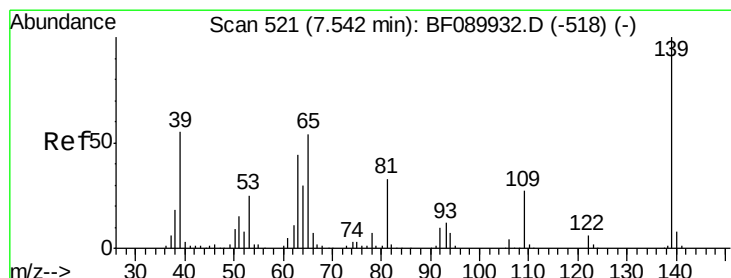
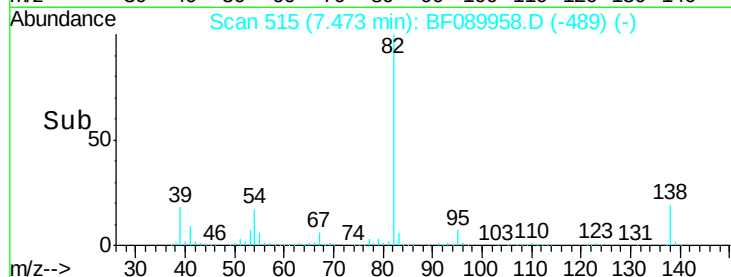
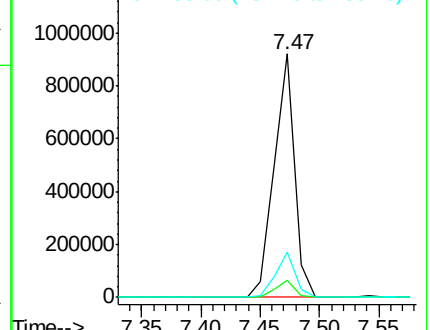


Abundance

Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 50.15 ng

RT: 7.54 min Scan# 521

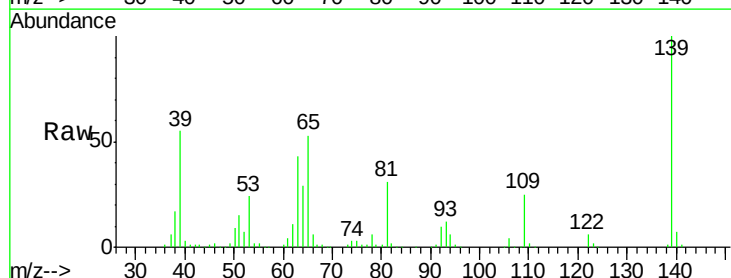
Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

Tgt Ion: 139 Resp: 288715

Ion	Ratio	Lower	Upper
139	100		
109	25.3	21.0	31.4
65	52.5	43.4	65.0

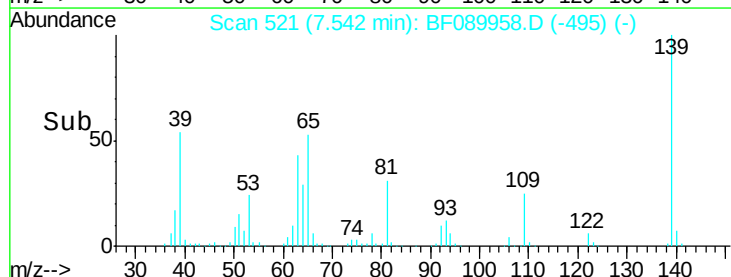
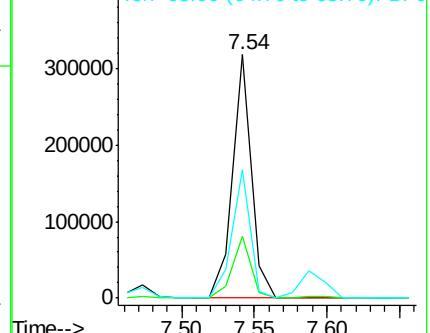


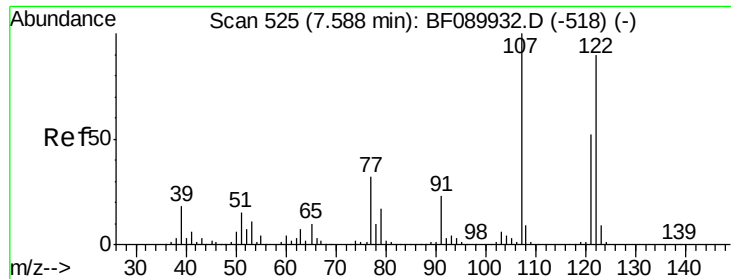
Abundance

Ion 139.00 (138.70 to 139.70): BF0

Ion 109.00 (108.70 to 109.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

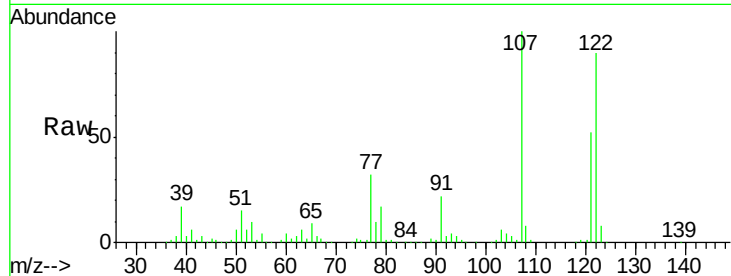




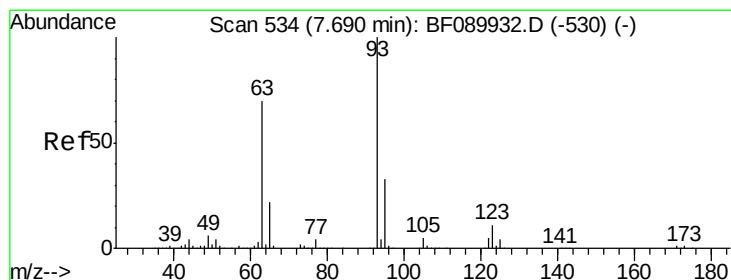
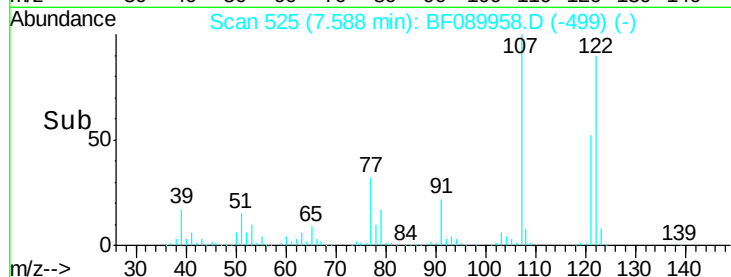
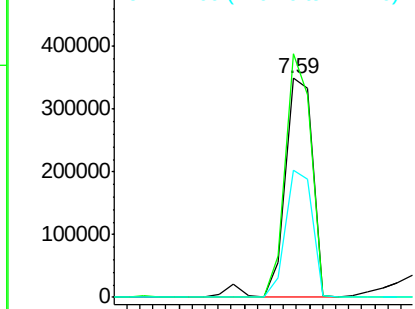
#27
 2,4-Dimethylphenol
 Concen: 49.55 ng
 RT: 7.59 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: BF089958.D
 Acq: 31 Aug 2016 18:53

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
122	100		
107	111.3	88.5	132.7
121	57.9	46.0	69.0

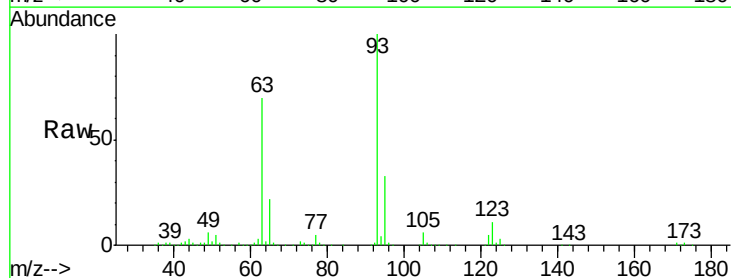


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

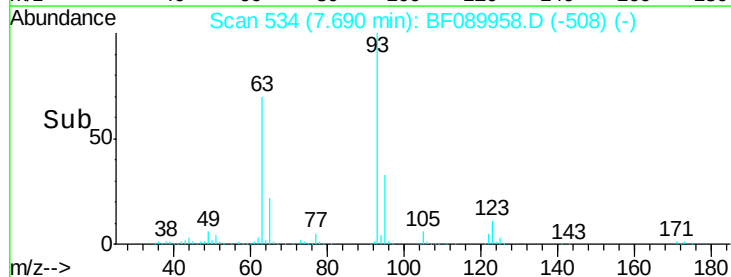
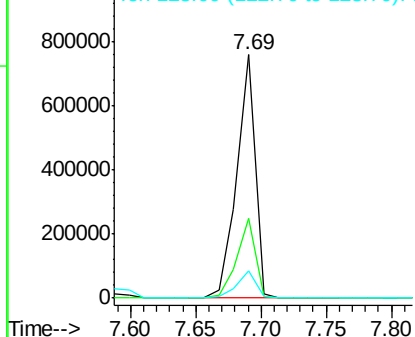


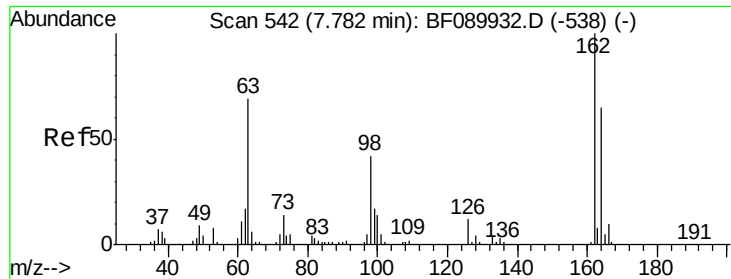
#28
 bis(2-Chloroethoxy)methane
 Concen: 53.00 ng
 RT: 7.69 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: BF089958.D
 Acq: 31 Aug 2016 18:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.6	40.0
123	11.4	9.1	13.7



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

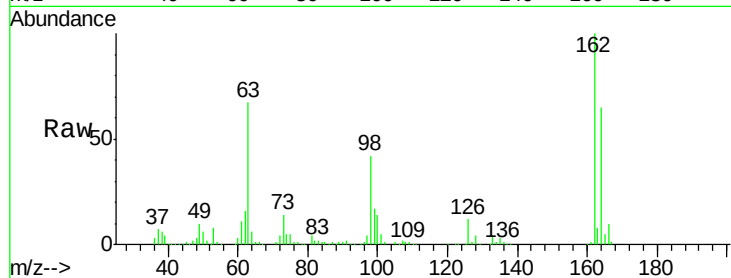




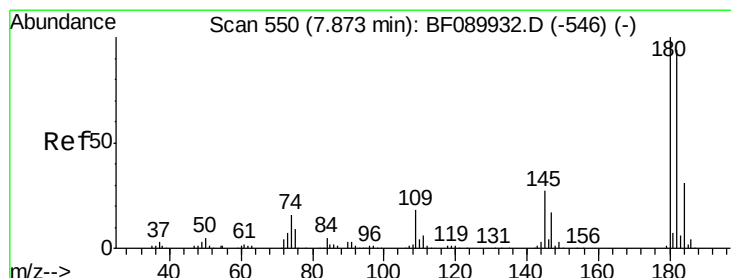
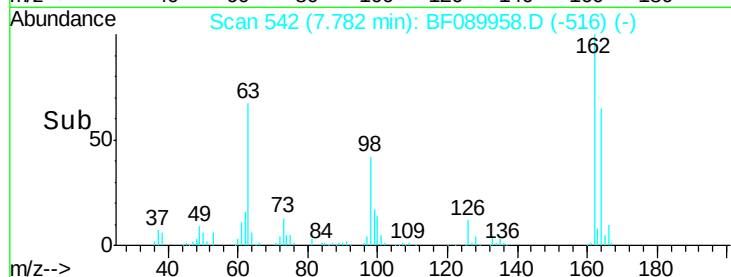
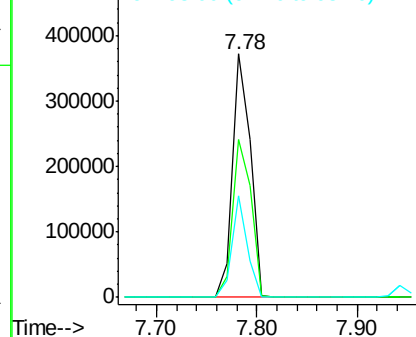
#29
 2,4-Dichlorophenol
 Concen: 48.24 ng
 RT: 7.78 min Scan# 542
 Delta R.T. 0.00 min
 Lab File: BF089958.D
 Acq: 31 Aug 2016 18:53

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.9	46.6	86.6
98	41.7	22.0	62.0

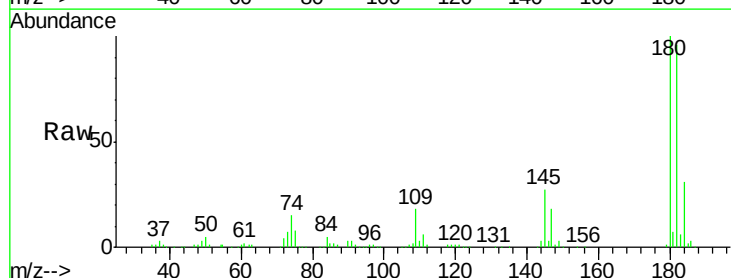


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

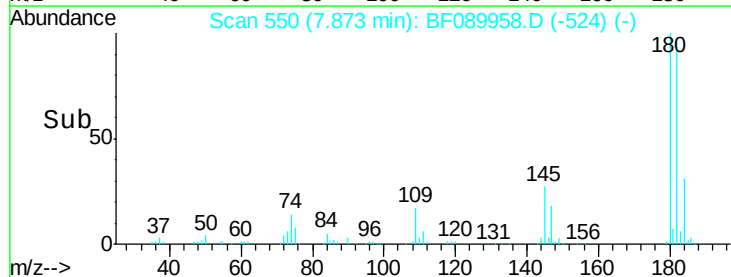
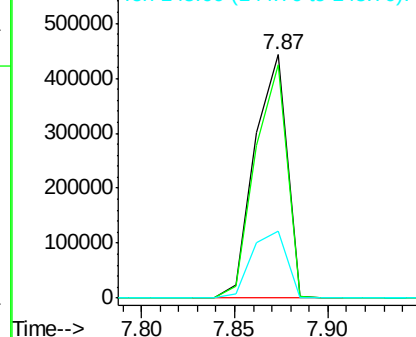


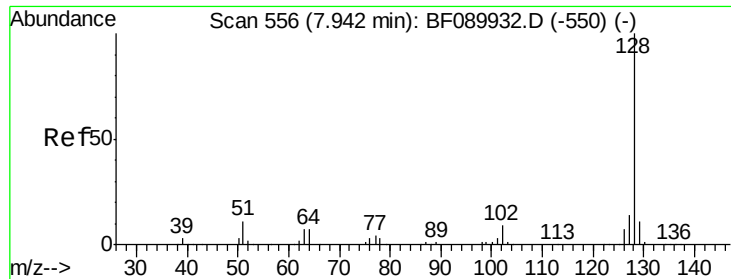
#30
 1,2,4-Trichlorobenzene
 Concen: 50.66 ng
 RT: 7.87 min Scan# 550
 Delta R.T. 0.00 min
 Lab File: BF089958.D
 Acq: 31 Aug 2016 18:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.2	114.2
145	27.4	22.2	33.4



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

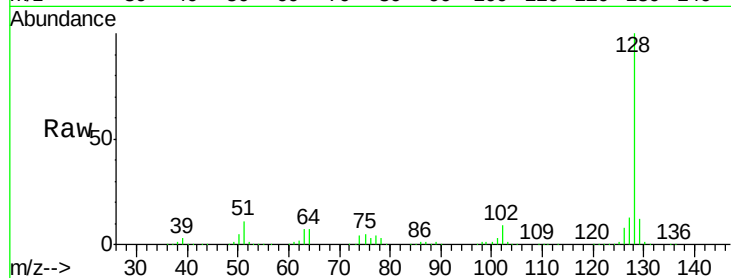




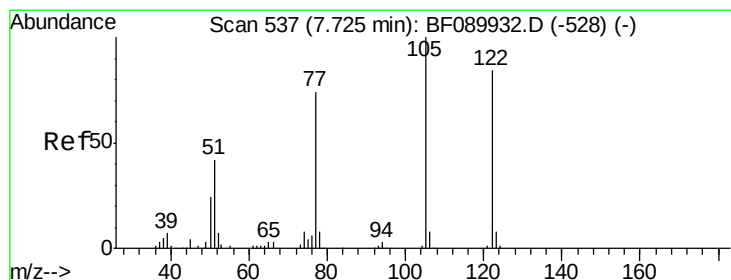
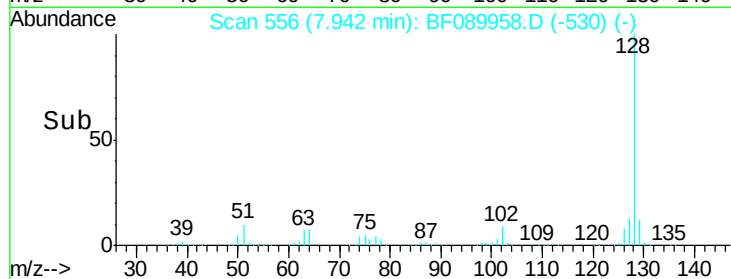
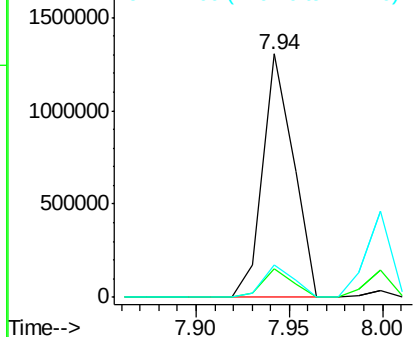
#31
Naphthalene
Concen: 45.17 ng
RT: 7.94 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF089958.D
Acq: 31 Aug 2016 18:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 1478490
Ion Ratio Lower Upper
128 100
129 11.7 9.4 14.0
127 13.3 10.7 16.1

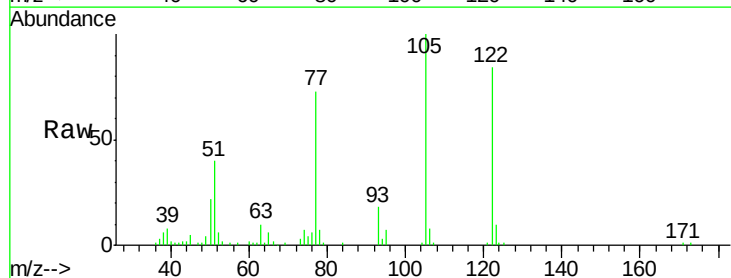


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

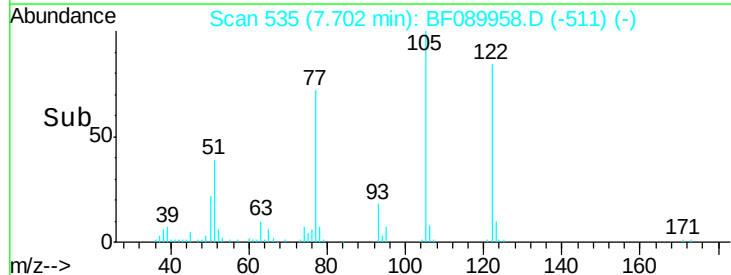
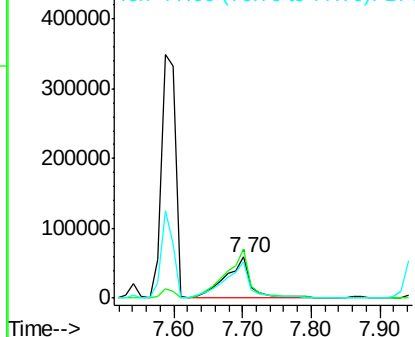


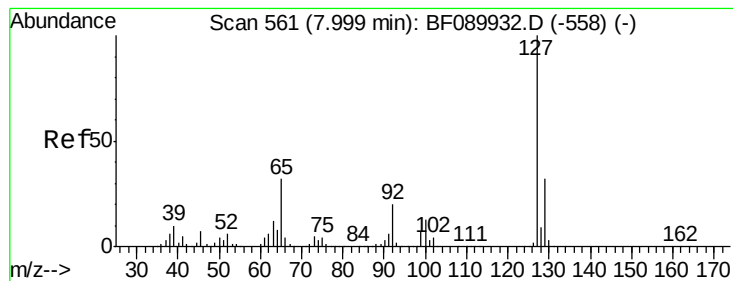
#32
Benzoic acid
Concen: 20.20 ng
RT: 7.70 min Scan# 535
Delta R.T. -0.02 min
Lab File: BF089958.D
Acq: 31 Aug 2016 18:53

Tgt Ion:122 Resp: 144939
Ion Ratio Lower Upper
122 100
105 119.3 102.2 142.2
77 87.4 74.1 114.1



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: 33.75 ng

RT: 8.00 min Scan# 561

Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion:127 Resp: 445678

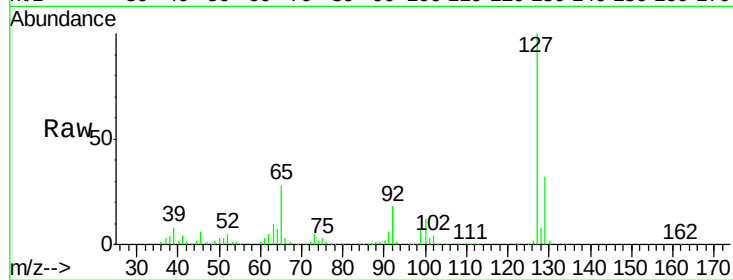
Ion Ratio Lower Upper

127 100

129 31.9 25.9 38.9

65 27.7 26.0 39.0

92 18.4 15.9 23.9

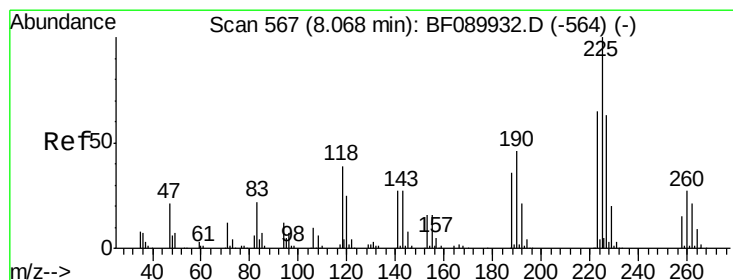
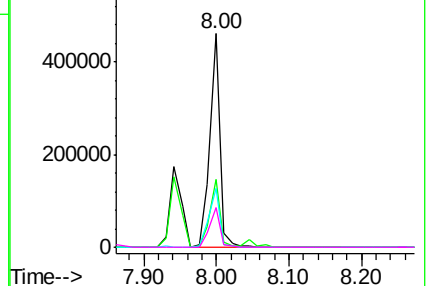
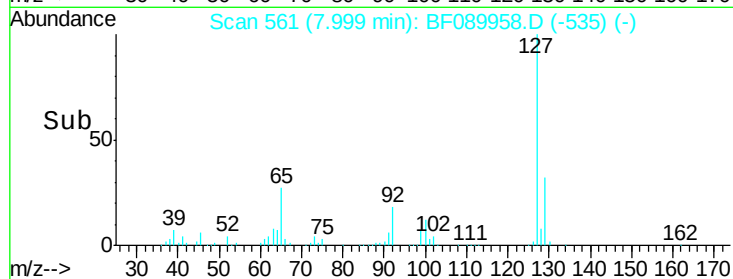


Abundance Ion 127.00 (126.70 to 127.70): E

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: 46.84 ng

RT: 8.07 min Scan# 567

Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

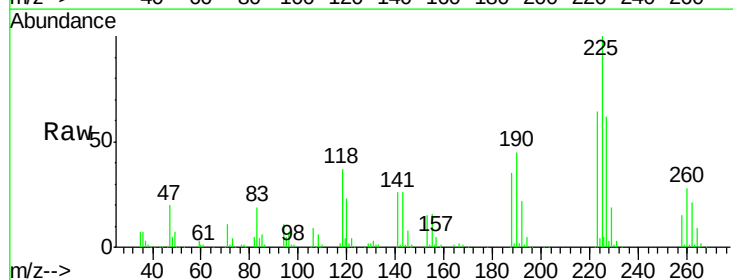
Tgt Ion:225 Resp: 286525

Ion Ratio Lower Upper

225 100

223 63.9 52.6 78.8

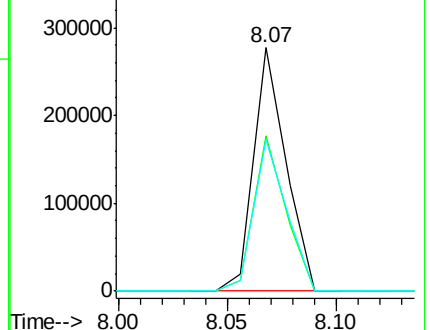
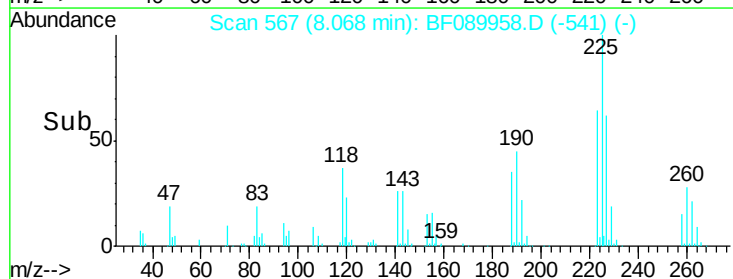
227 62.2 50.8 76.2

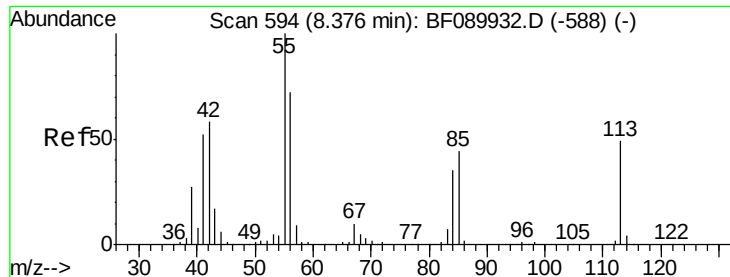


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

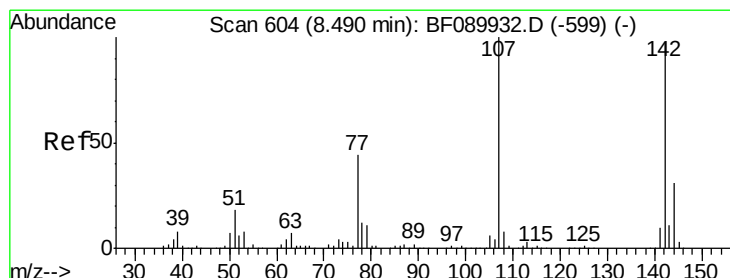
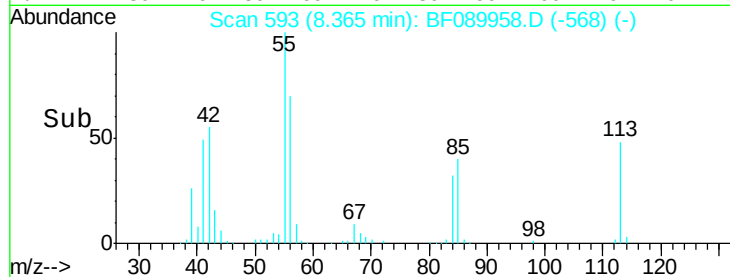
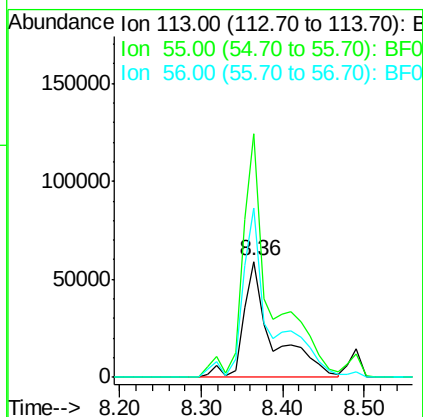
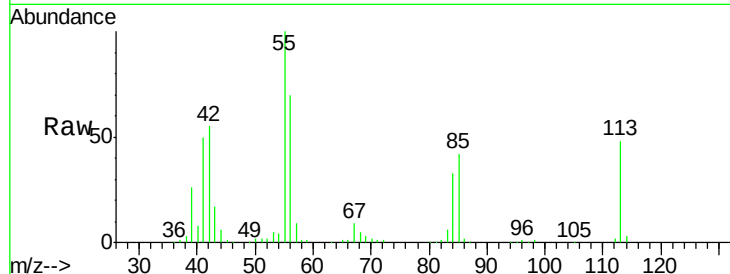




#35
Caprolactam
Concen: 48.98 ng
RT: 8.36 min Scan# 593
Delta R.T. -0.01 min
Lab File: BF089958.D
Acq: 31 Aug 2016 18:53

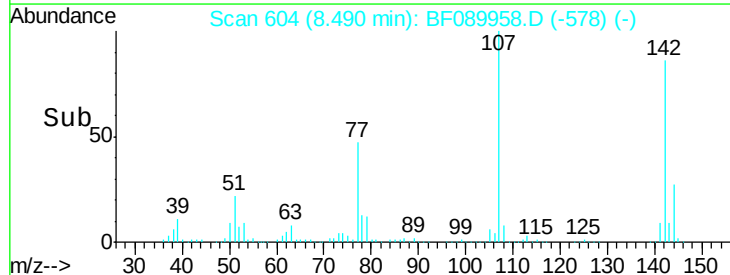
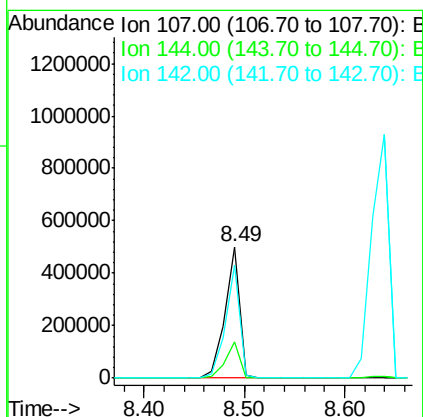
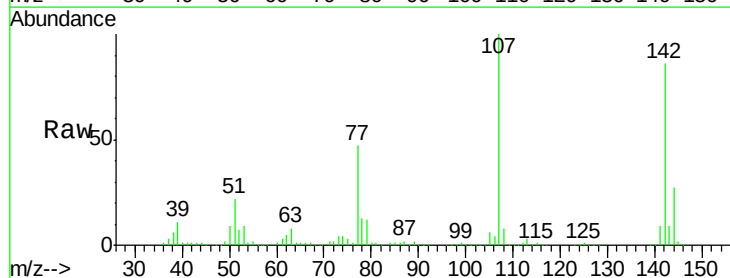
Instrument :
BNA_F
ClientSampleId :

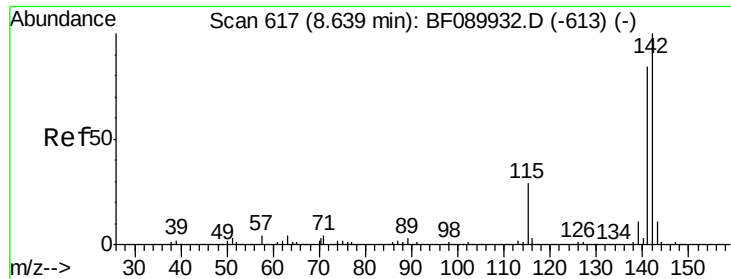
Tot Ion:113 Resp: 147593
Ion Ratio Lower Upper
113 100
55 210.3 178.5 218.5
56 146.3 122.7 162.7



#36
4-Chloro-3-methylphenol
Concen: 50.26 ng
RT: 8.49 min Scan# 604
Delta R.T. 0.00 min
Lab File: BF089958.D
Acq: 31 Aug 2016 18:53

Tgt Ion:107 Resp: 508130
Ion Ratio Lower Upper
107 100
144 27.5 25.8 38.8
142 86.1 79.2 118.8

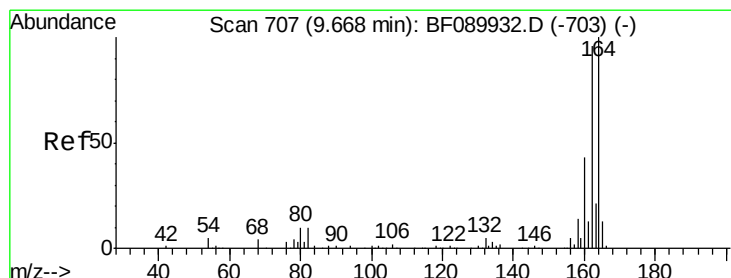
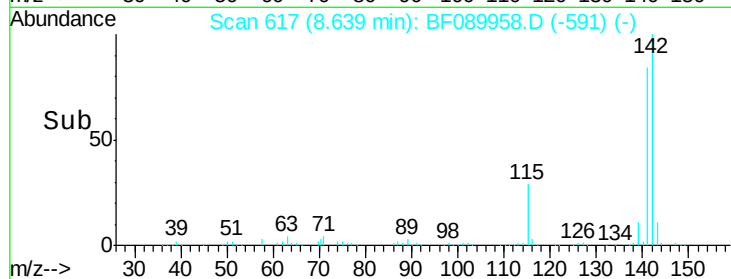
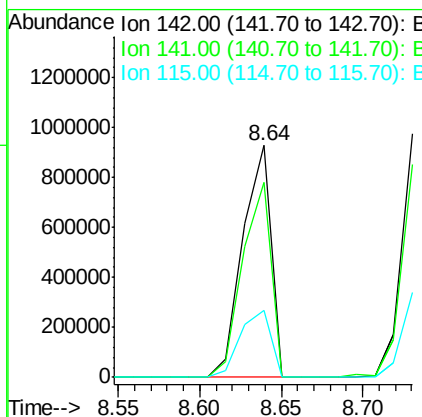
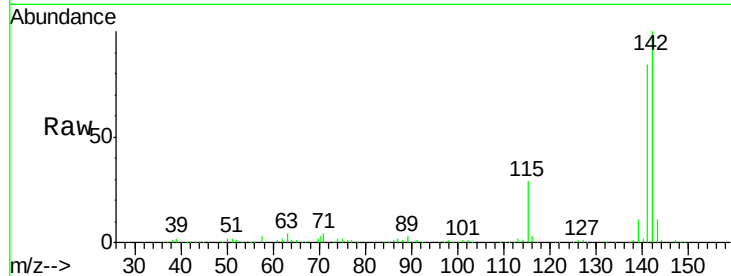




#37
2-Methylnaphthalene
Concen: 51.50 ng
RT: 8.64 min Scan# 617
Delta R.T. 0.00 min
Lab File: BF089958.D
Acq: 31 Aug 2016 18:53

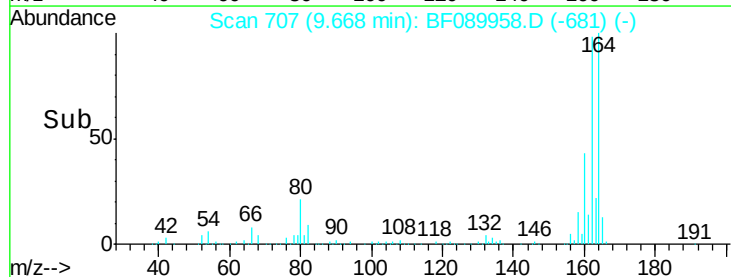
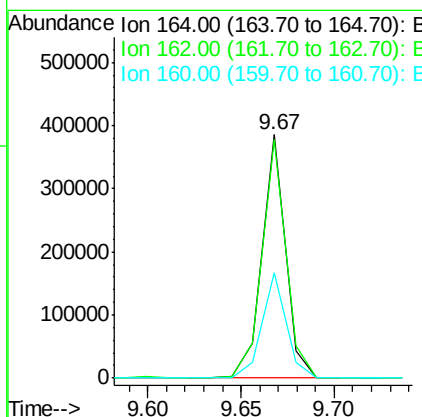
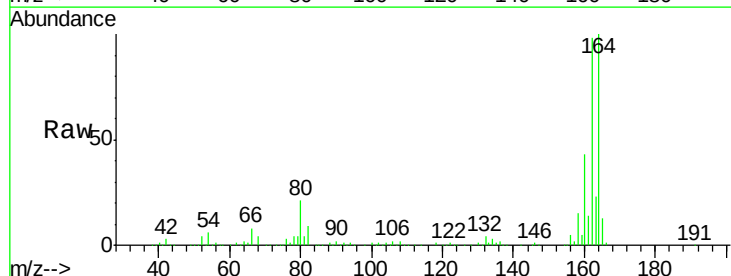
Instrument :
BNA_F
ClientSampleId :

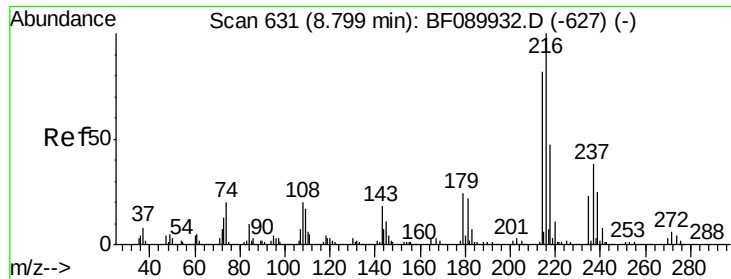
Tot Ion:142 Resp: 1113779
Ion Ratio Lower Upper
142 100
141 84.2 68.3 102.5
115 29.0 23.8 35.8



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.67 min Scan# 707
Delta R.T. 0.00 min
Lab File: BF089958.D
Acq: 31 Aug 2016 18:53

Tgt Ion:164 Resp: 333256
Ion Ratio Lower Upper
164 100
162 97.9 77.1 115.7
160 43.3 35.3 52.9

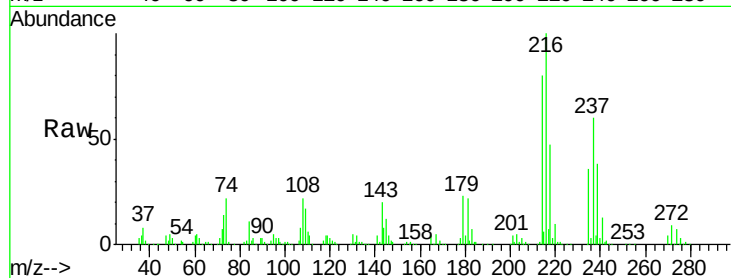




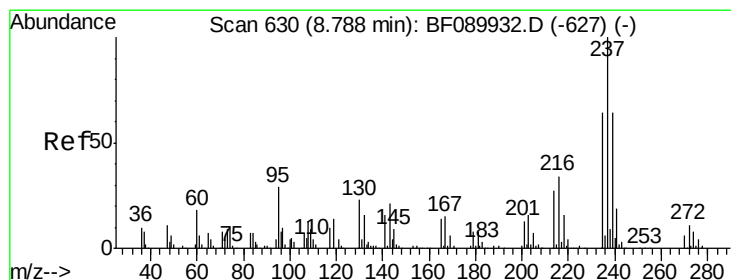
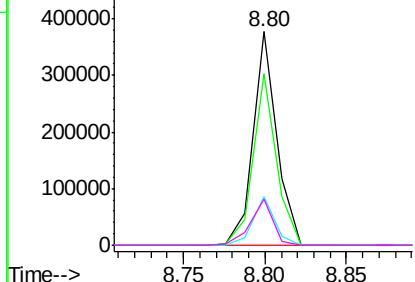
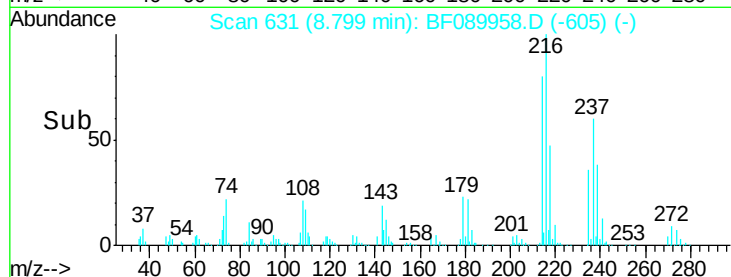
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 39.01 ng
 RT: 8.80 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: BF089958.D
 Acq: 31 Aug 2016 18:53

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:	216	Resp:	380879
Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.4	95.2
179	20.9	17.3	25.9
108	20.4	15.5	23.3

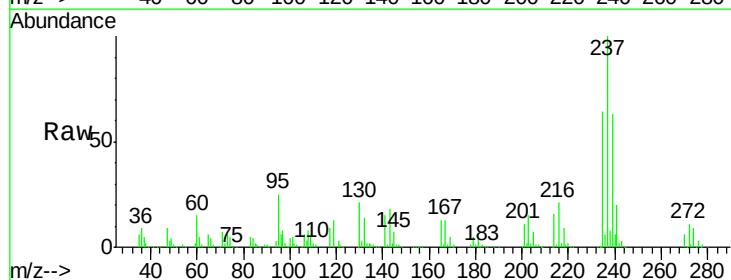


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

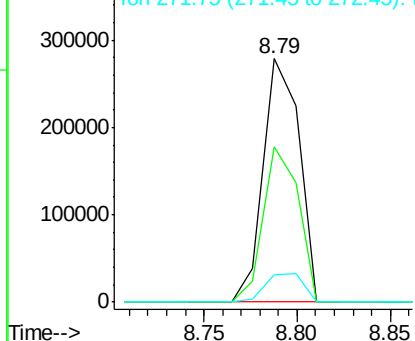
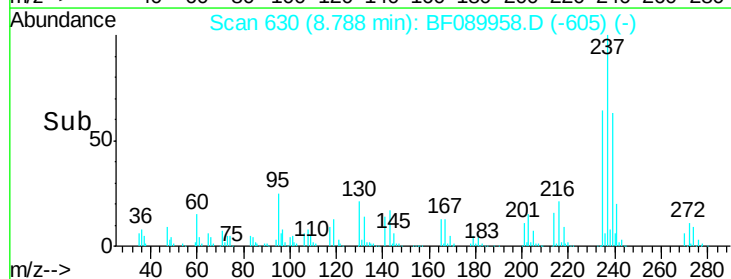


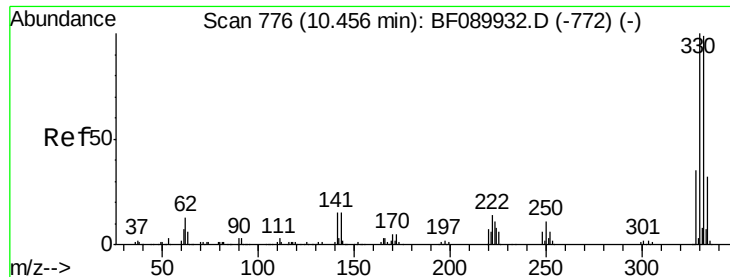
#40
 Hexachlorocyclopentadiene
 Concen: 74.46 ng
 RT: 8.79 min Scan# 630
 Delta R.T. -0.01 min
 Lab File: BF089958.D
 Acq: 31 Aug 2016 18:53

Tgt Ion:	237	Resp:	372739
Ion	Ratio	Lower	Upper
237	100		
235	63.9	39.6	79.6
272	11.4	0.0	34.6



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

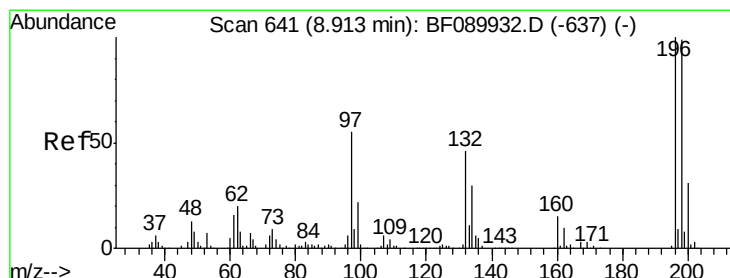
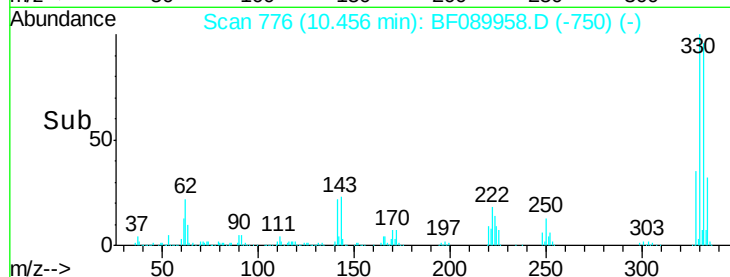
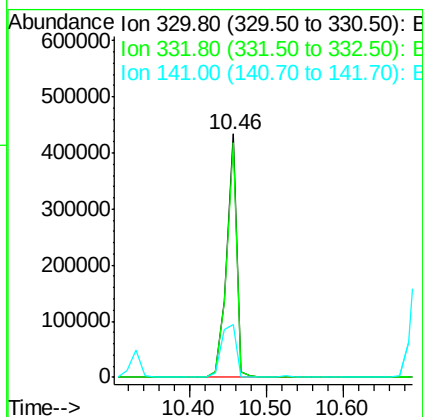
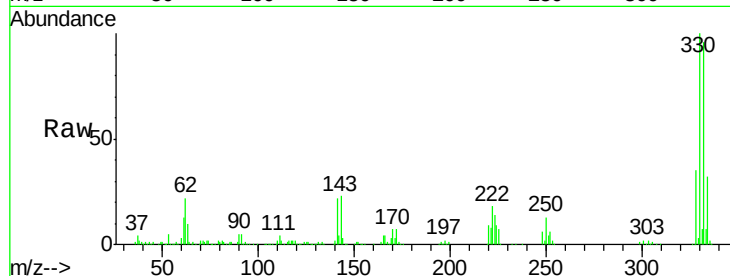




#41
 2,4,6-Tribromophenol
 Concen: 124.95 ng
 RT: 10.46 min Scan# 776
 Delta R.T. 0.00 min
 Lab File: BF089958.D
 Acq: 31 Aug 2016 18:53

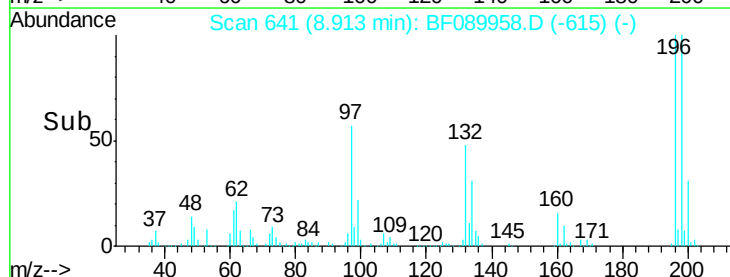
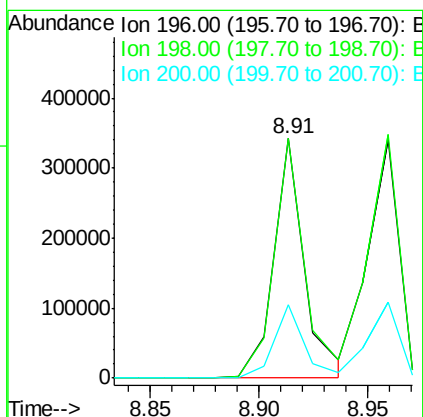
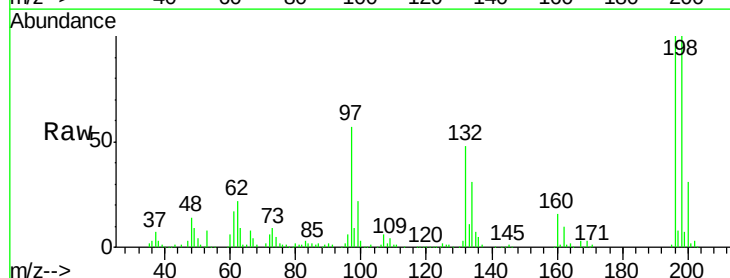
Instrument :
 BNA_F
 ClientSampled :

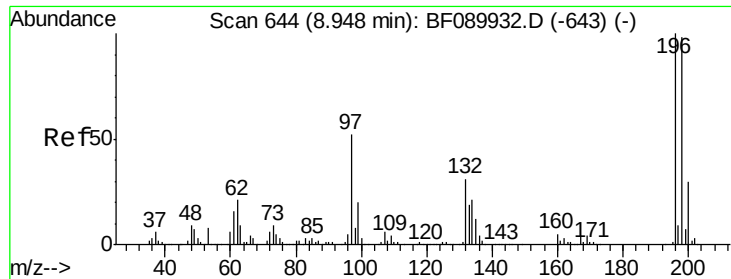
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.6	117.8
141	32.2	23.3	34.9



#42
 2,4,6-Trichlorophenol
 Concen: 49.99 ng
 RT: 8.91 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BF089958.D
 Acq: 31 Aug 2016 18:53

Tgt Ion	Ratio	Lower	Upper
196	100		
198	100.3	78.3	117.5
200	30.8	24.8	37.2

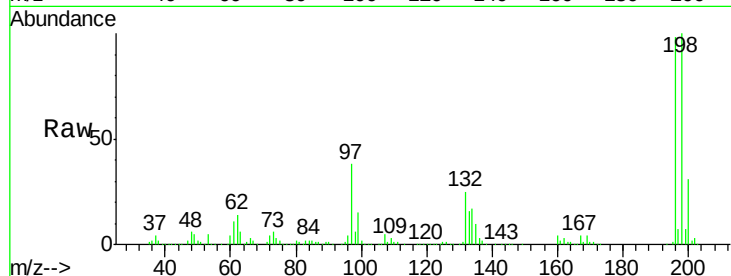




#43
 2,4,5-Trichlorophenol
 Concen: 51.66 ng
 RT: 8.96 min Scan# 645
 Delta R.T. 0.01 min
 Lab File: BF089958.D
 Acq: 31 Aug 2016 18:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
196	100		
198	102.3	80.8	121.2
97	39.4	44.2	66.4#
132	26.1	25.8	38.6



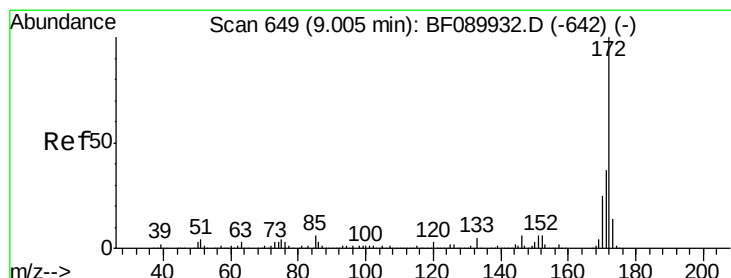
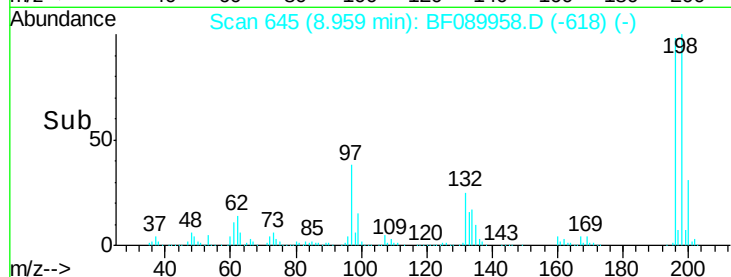
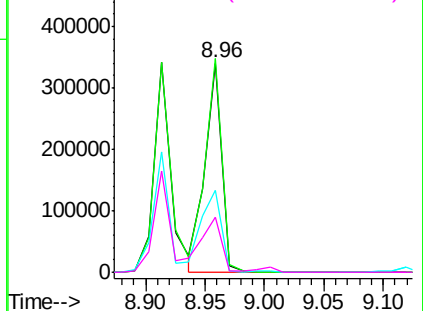
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

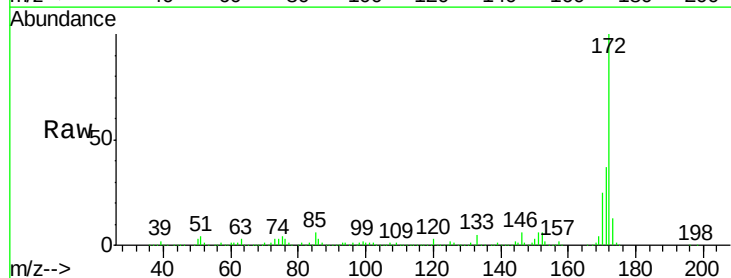
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 96.61 ng
 RT: 9.00 min Scan# 649
 Delta R.T. 0.00 min
 Lab File: BF089958.D
 Acq: 31 Aug 2016 18:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.4	44.2
170	24.9	20.1	30.1

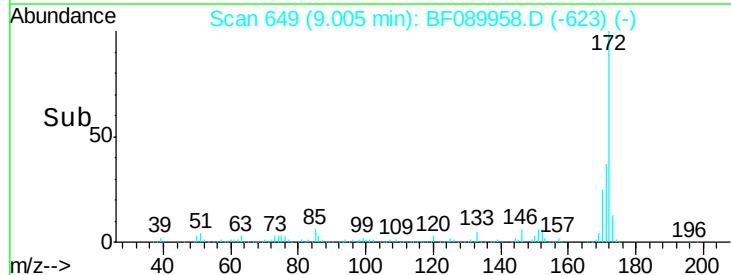
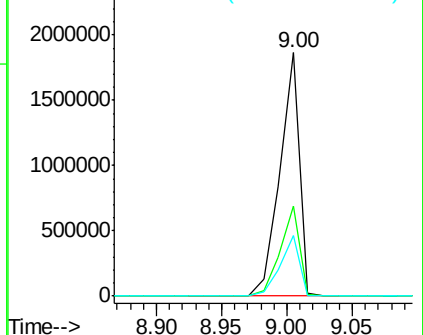


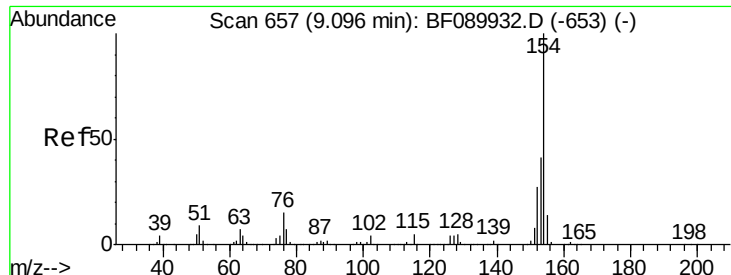
Abundance

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

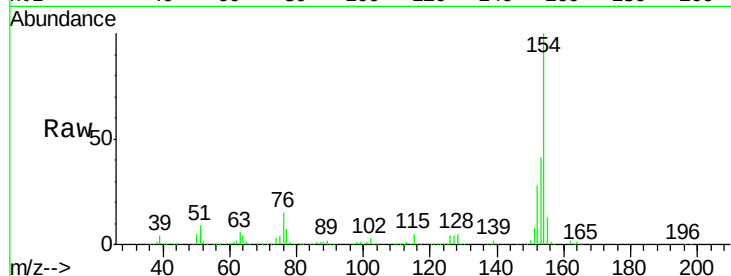




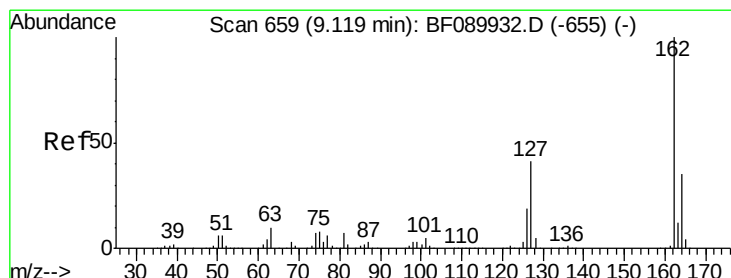
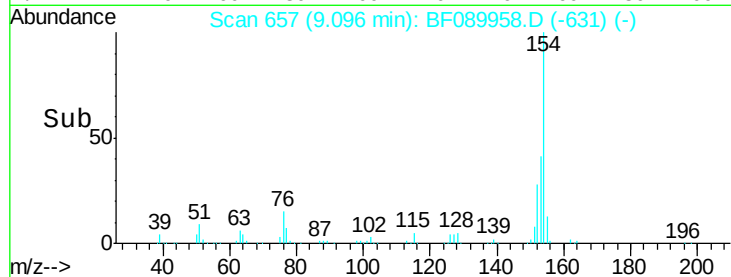
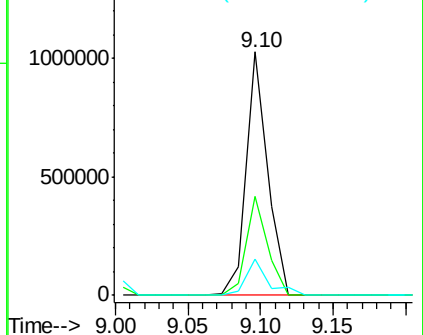
#45
 1,1'-Biphenyl
 Concen: 39.07 ng
 RT: 9.10 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: BF089958.D
 Acq: 31 Aug 2016 18:53

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:154 Resp: 1048381
 Ion Ratio Lower Upper
 154 100
 153 40.5 20.6 60.6
 76 14.7 0.0 34.9

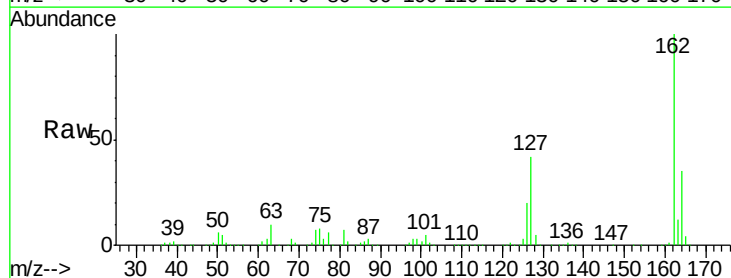


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

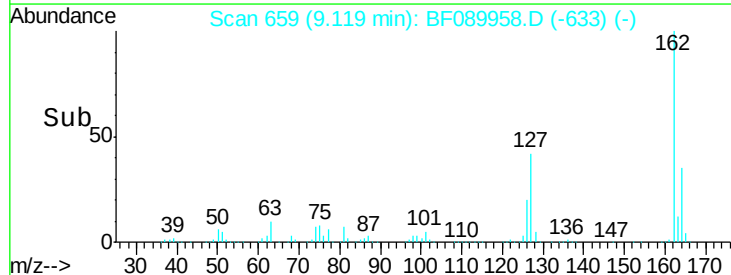
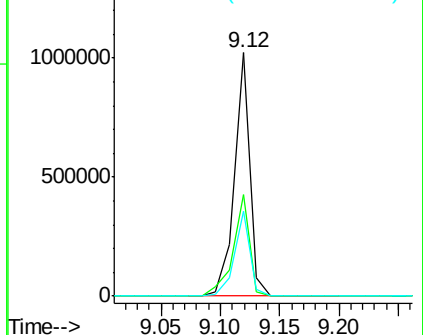


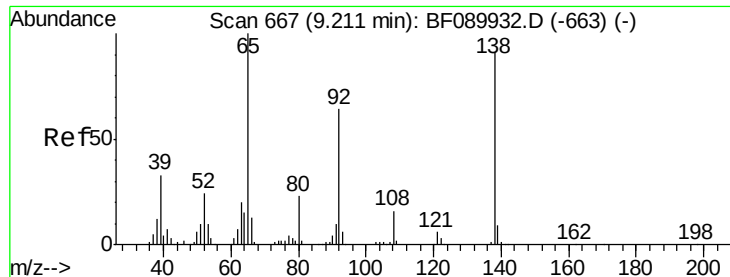
#46
 2-Chloronaphthalene
 Concen: 48.23 ng
 RT: 9.12 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: BF089958.D
 Acq: 31 Aug 2016 18:53

Tgt Ion:162 Resp: 915512
 Ion Ratio Lower Upper
 162 100
 127 41.6 33.5 50.3
 164 34.8 28.2 42.4



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

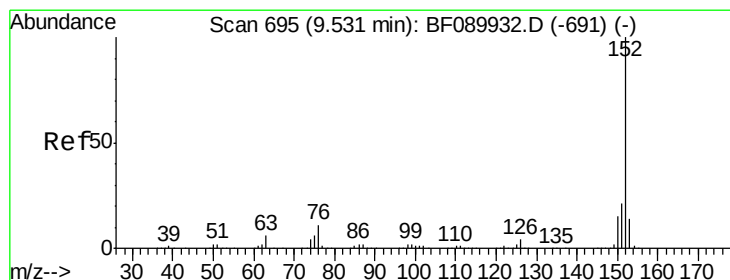
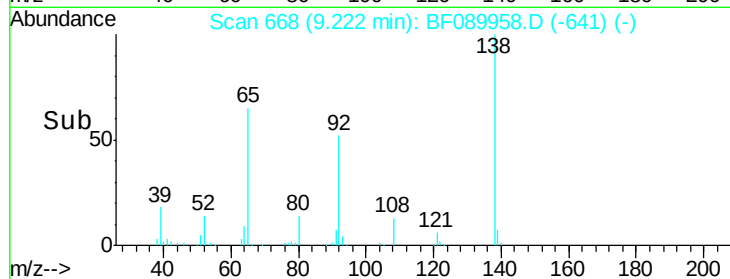
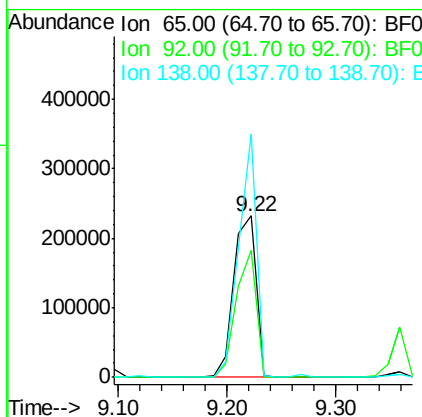
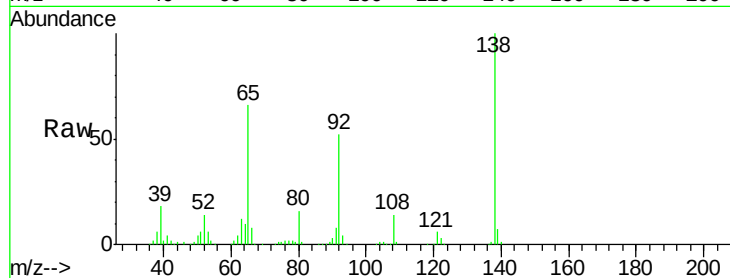




#47
2-Nitroaniline
Concen: 52.38 ng
RT: 9.22 min Scan# 668
Delta R.T. 0.01 min
Lab File: BF089958.D
Acq: 31 Aug 2016 18:53

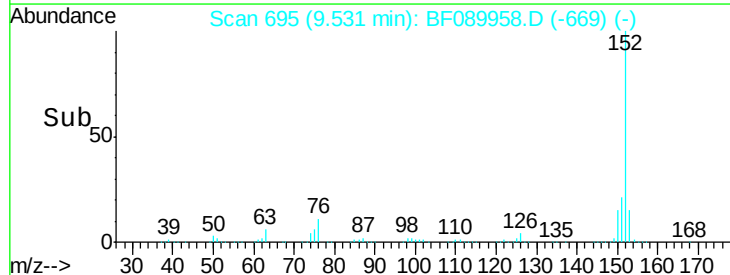
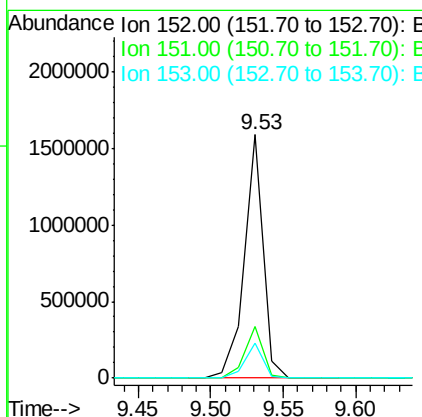
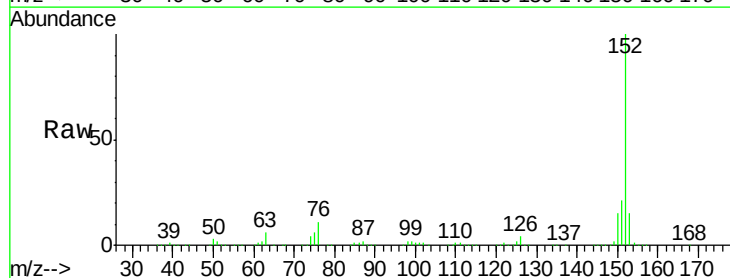
Instrument :
BNA_F
ClientSampled :

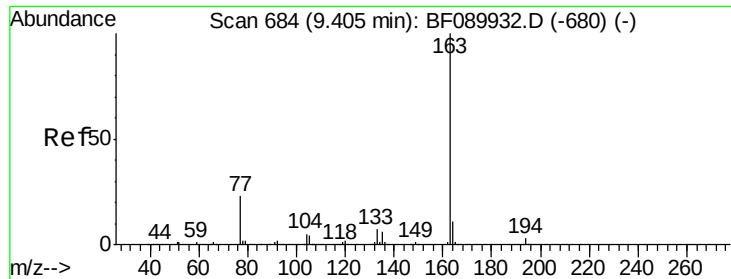
Tot Ion: 65 Resp: 325037
Ion Ratio Lower Upper
65 100
92 78.9 52.0 78.0#
138 150.8 72.1 108.1#



#48
Acenaphthylene
Concen: 45.29 ng
RT: 9.53 min Scan# 695
Delta R.T. 0.00 min
Lab File: BF089958.D
Acq: 31 Aug 2016 18:53

Tgt Ion: 152 Resp: 1421564
Ion Ratio Lower Upper
152 100
151 21.0 16.7 25.1
153 14.5 11.6 17.4





#49

Dimethylphthalate

Concen: 65.80 ng

RT: 9.42 min Scan# 685

Delta R.T. 0.01 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

Instrument :

BNA_F

ClientSampled :

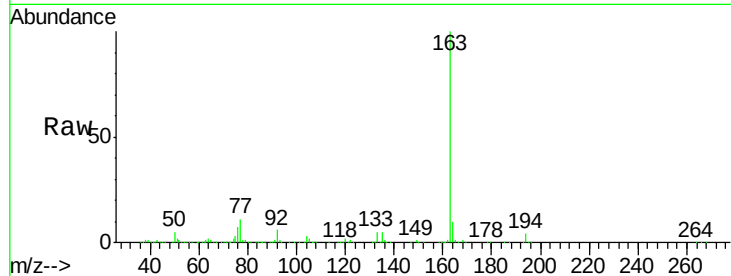
Tot Ion:163 Resp: 1584875

Ion Ratio Lower Upper

163 100

194 4.2 2.7 4.1#

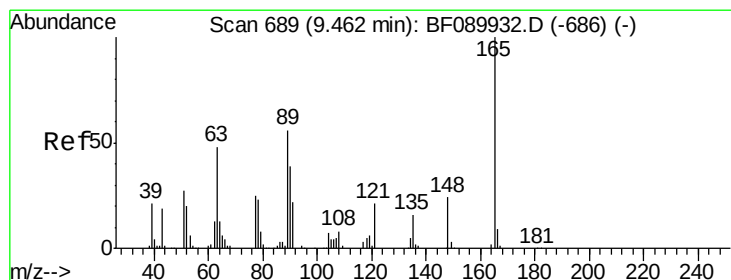
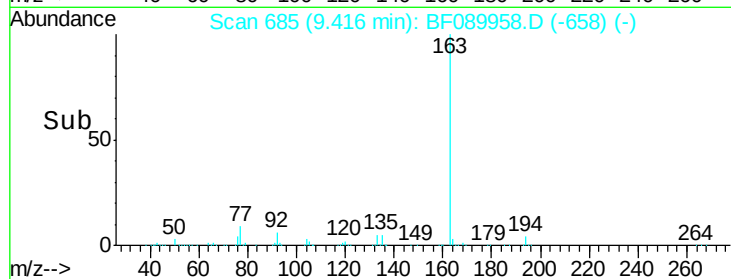
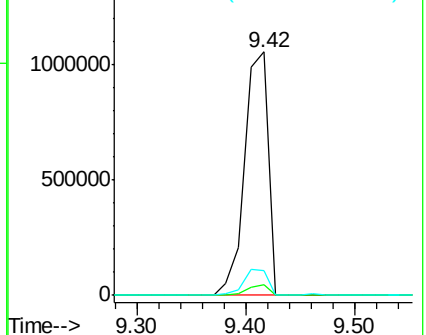
164 10.2 9.0 13.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 45.65 ng

RT: 9.46 min Scan# 689

Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

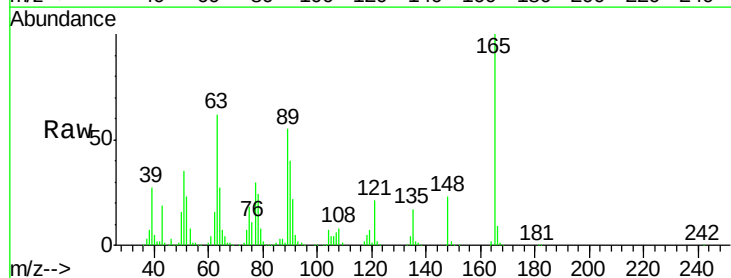
Tgt Ion:165 Resp: 244559

Ion Ratio Lower Upper

165 100

63 61.7 45.0 67.4

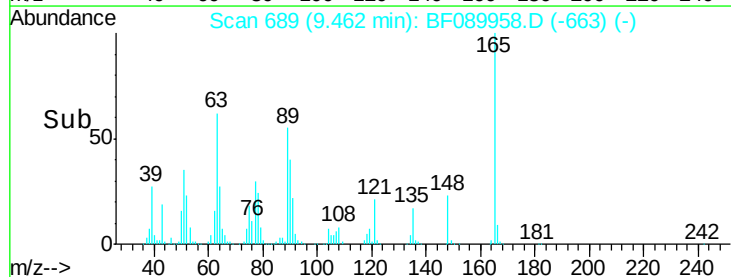
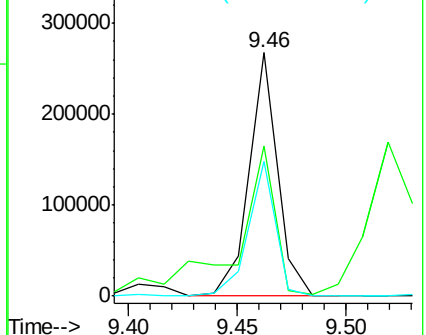
89 55.4 41.5 62.3

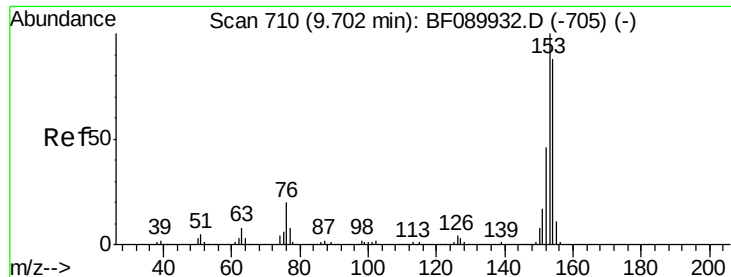


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 48.13 ng

RT: 9.70 min Scan# 710

Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

Instrument :
BNA_F
ClientSampled :

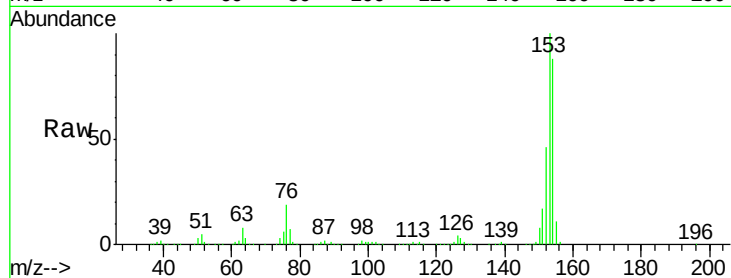
Tot Ion:154 Resp: 956979

Ion Ratio Lower Upper

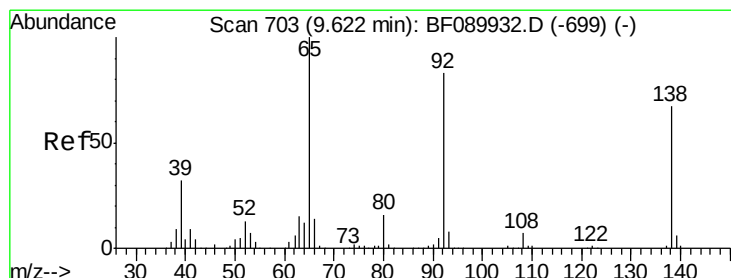
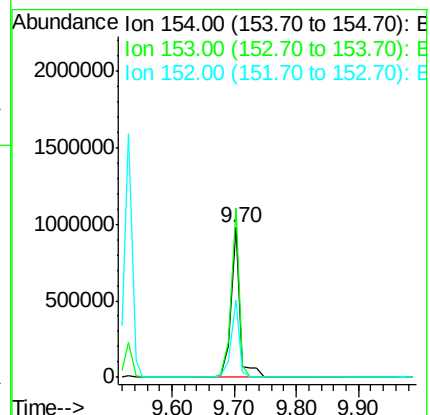
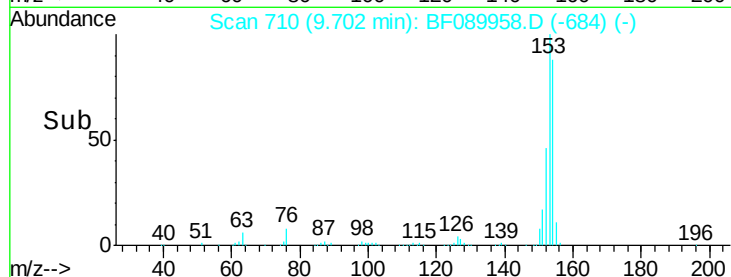
154 100

153 113.5 90.6 135.8

152 51.8 42.4 63.6



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: 31.22 ng

RT: 9.62 min Scan# 703

Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

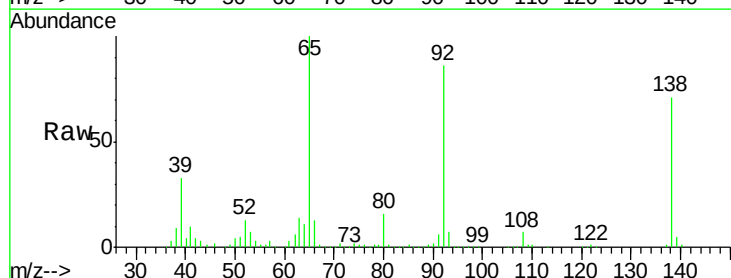
Tgt Ion:138 Resp: 190742

Ion Ratio Lower Upper

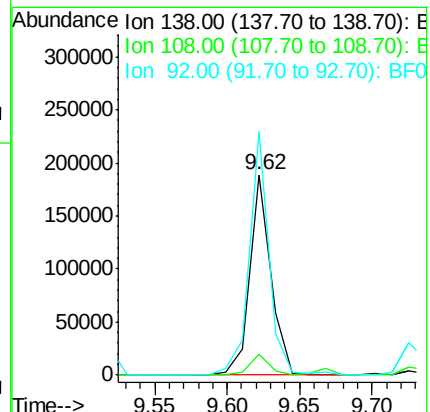
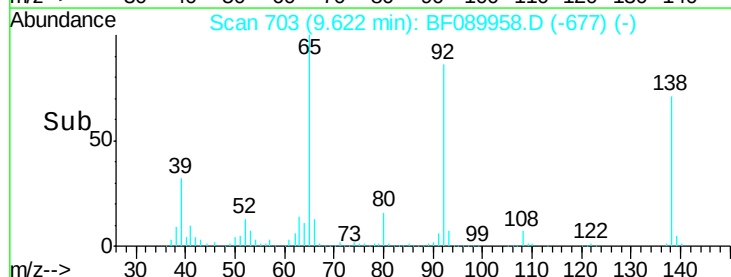
138 100

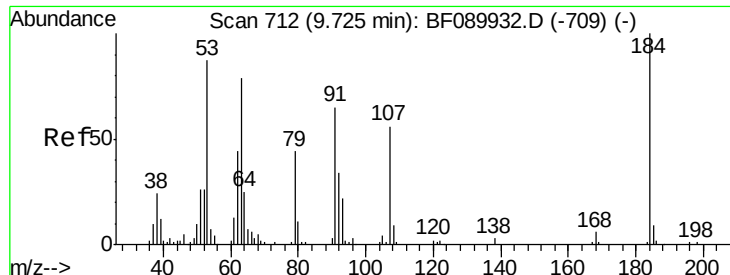
108 10.4 8.3 12.5

92 121.4 99.1 148.7



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

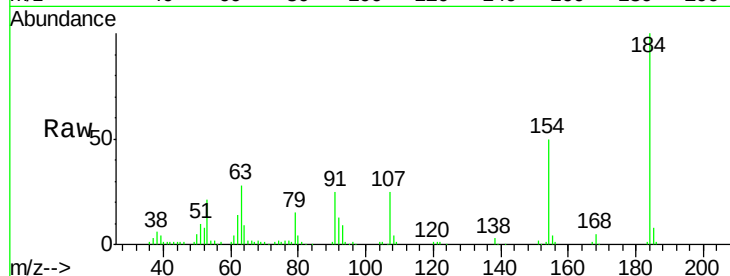




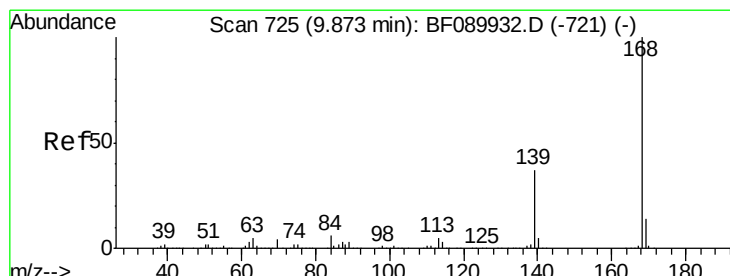
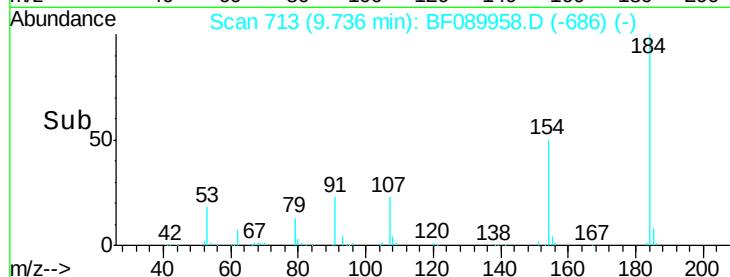
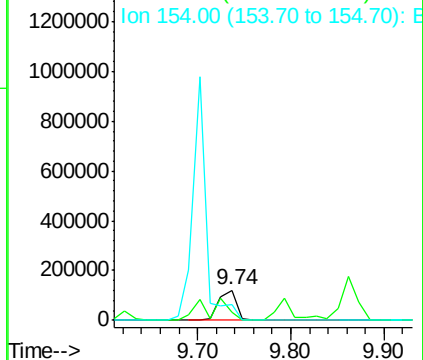
#53
2,4-Dinitrophenol
Concen: 52.61 ng
RT: 9.74 min Scan# 713
Delta R.T. 0.01 min
Lab File: BF089958.D
Acq: 31 Aug 2016 18:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:184 Resp: 158143
Ion Ratio Lower Upper
184 100
63 27.7 73.9 110.9#
154 50.1 53.5 80.3#

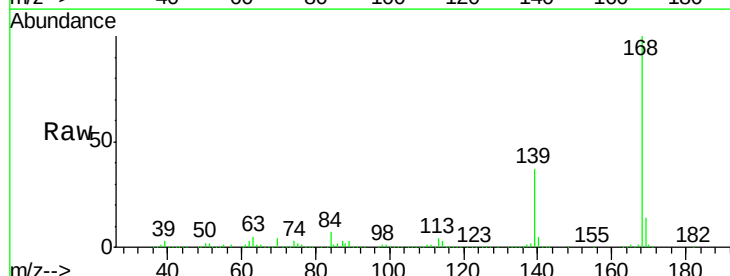


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

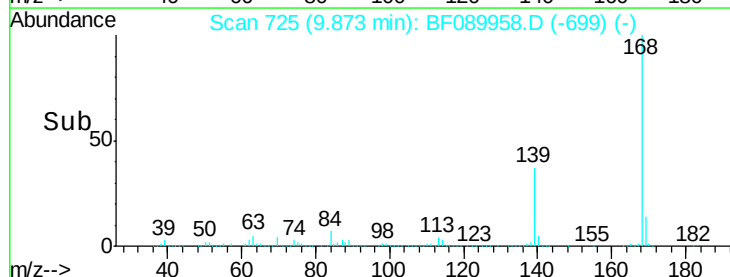
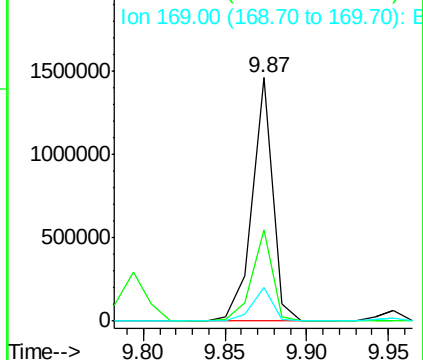


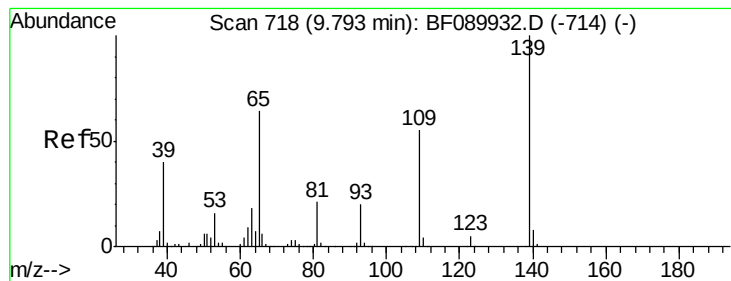
#54
Dibenzofuran
Concen: 47.98 ng
RT: 9.87 min Scan# 725
Delta R.T. 0.00 min
Lab File: BF089958.D
Acq: 31 Aug 2016 18:53

Tgt Ion:168 Resp: 1278428
Ion Ratio Lower Upper
168 100
139 37.4 29.5 44.3
169 13.8 10.8 16.2



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: 75.89 ng

RT: 9.79 min Scan# 718

Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

Instrument :

BNA_F

ClientSampleId :

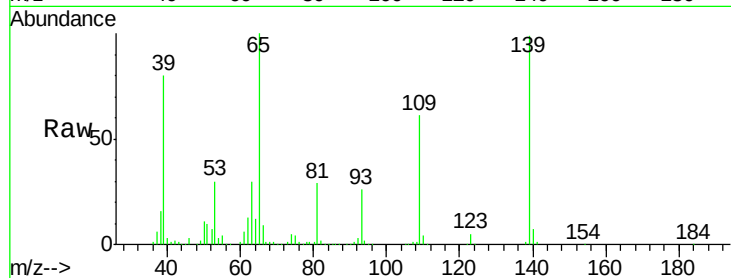
Tot Ion:139 Resp: 349732

Ion Ratio Lower Upper

139 100

109 62.0 31.3 71.3

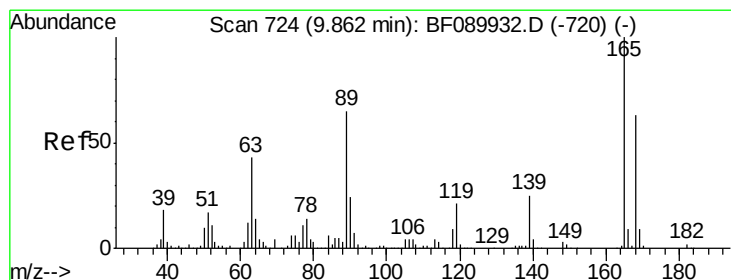
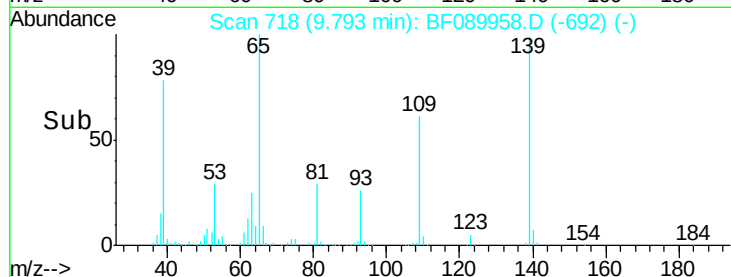
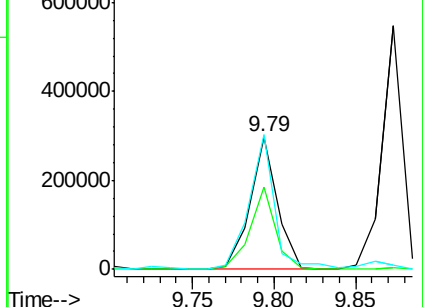
65 101.3 38.5 78.5#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 47.12 ng

RT: 9.86 min Scan# 724

Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

Tgt Ion:165 Resp: 320109

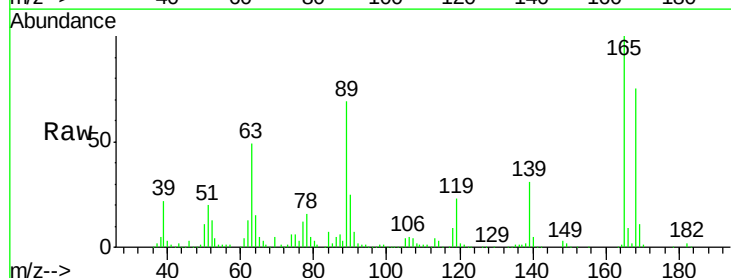
Ion Ratio Lower Upper

165 100

63 48.5 32.5 48.7

89 69.0 48.3 72.5

182 2.2 1.7 2.5

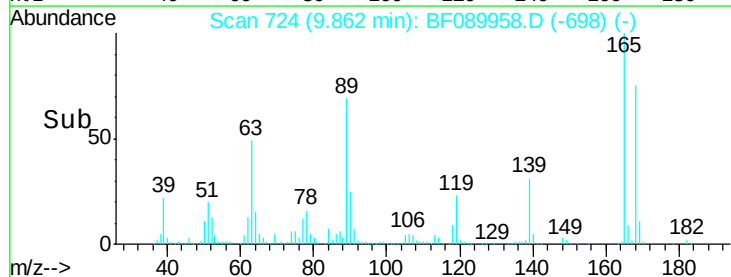
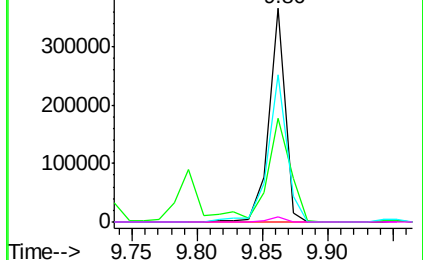


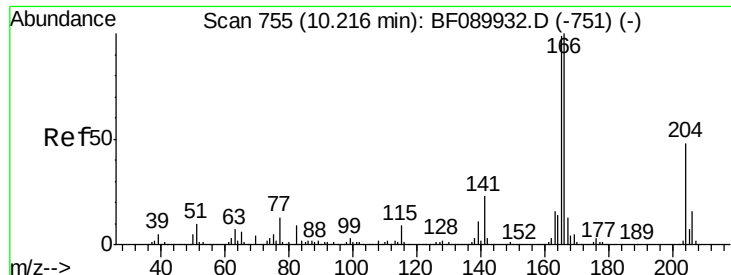
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

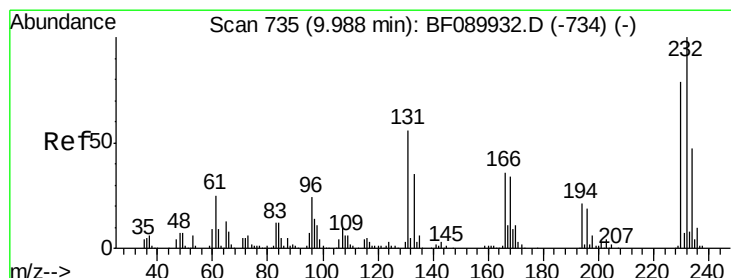
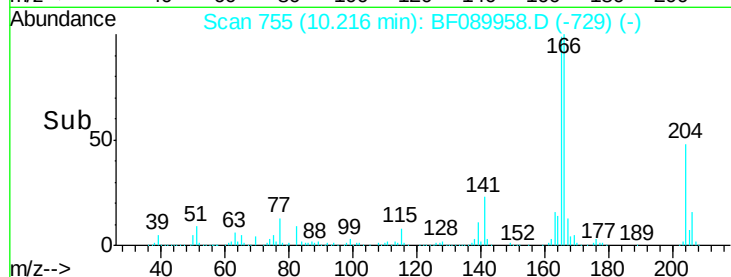
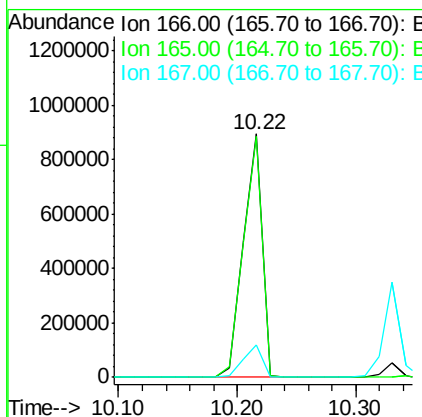
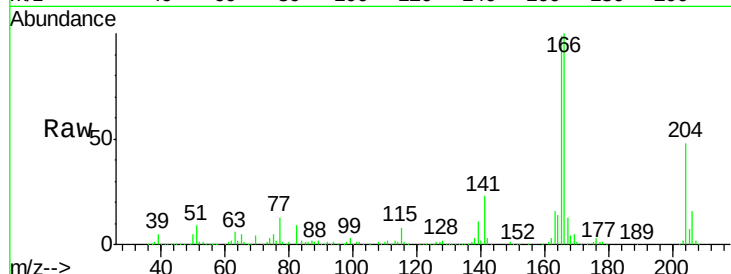




#57
 Fluorene
 Concen: 51.02 ng
 RT: 10.22 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: BF089958.D
 Acq: 31 Aug 2016 18:53

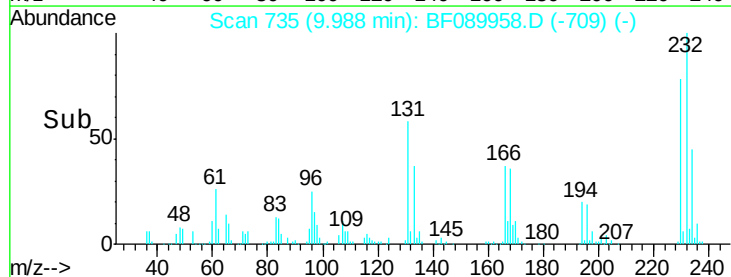
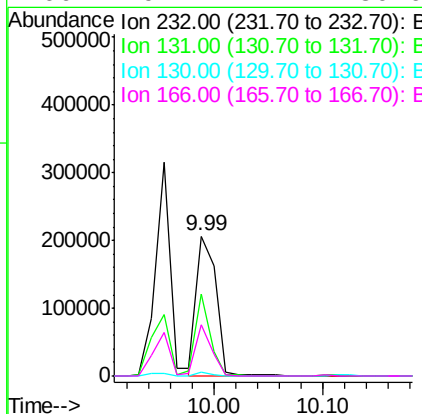
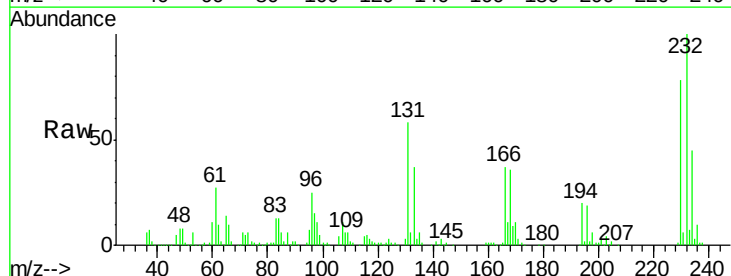
Instrument :
 BNA_F
 ClientSampleId :

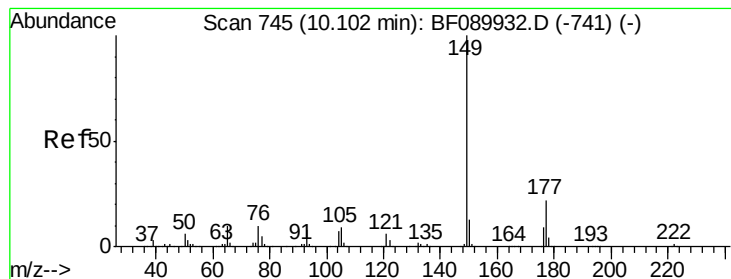
Tot Ion:166 Resp: 993428
 Ion Ratio Lower Upper
 166 100
 165 98.9 78.6 118.0
 167 13.3 10.6 15.8



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 47.12 ng
 RT: 9.99 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: BF089958.D
 Acq: 31 Aug 2016 18:53

Tgt Ion:232 Resp: 262454
 Ion Ratio Lower Upper
 232 100
 131 44.2 36.3 54.5
 130 1.9 1.7 2.5
 166 29.7 24.4 36.6





#59

Diethylphthalate

Concen: 46.64 ng

RT: 10.10 min Scan# 745

Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

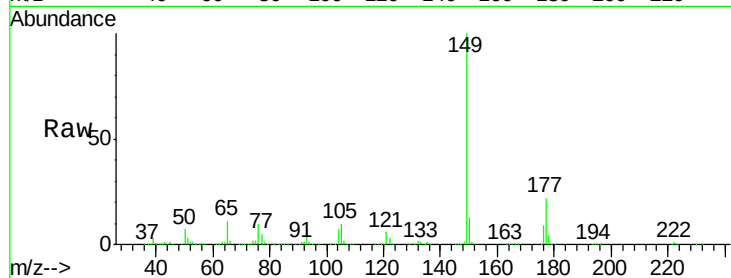
Instrument :

BNA_F

ClientSampleId :

Tot Ion:149 Resp: 1056867

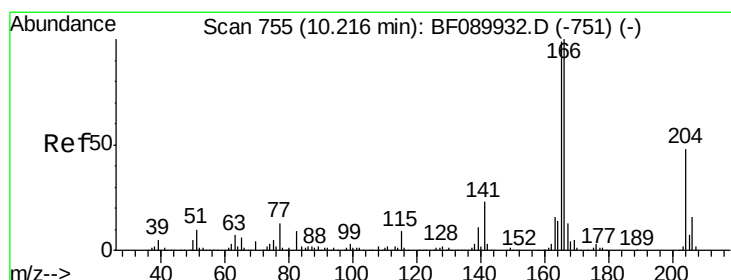
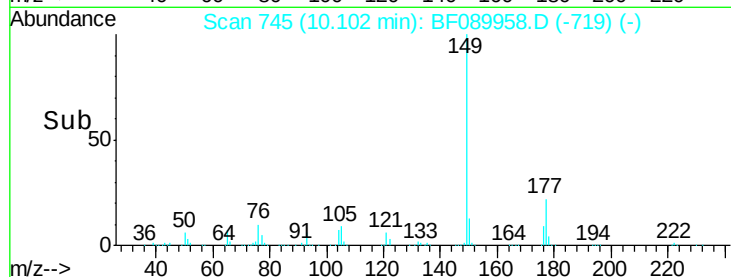
Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.7	26.5
150	12.7	10.2	15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 50.06 ng

RT: 10.22 min Scan# 755

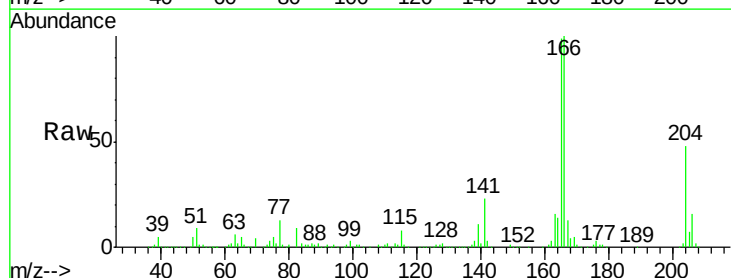
Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

Tgt Ion:204 Resp: 458728

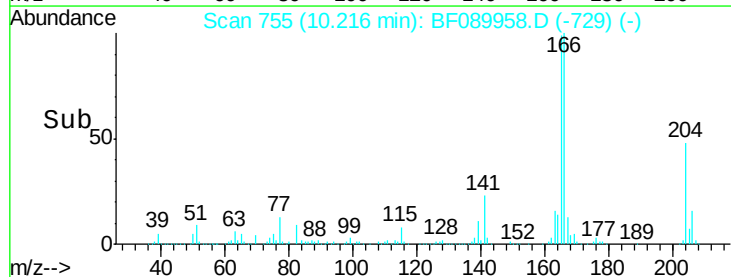
Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.6	40.0
141	47.7	36.5	54.7

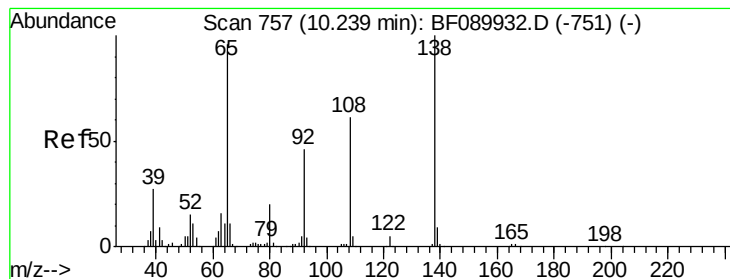


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 44.63 ng

RT: 10.24 min Scan# 757

Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

Instrument :

BNA_F

ClientSampleId :

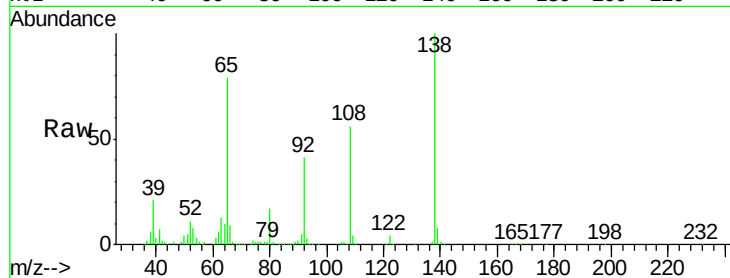
Tot Ion:138 Resp: 267935

Ion Ratio Lower Upper

138 100

92 40.7 21.2 61.2

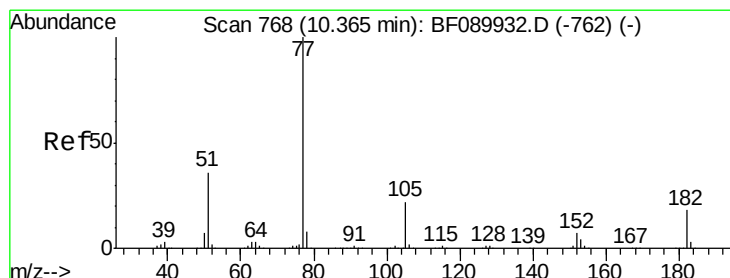
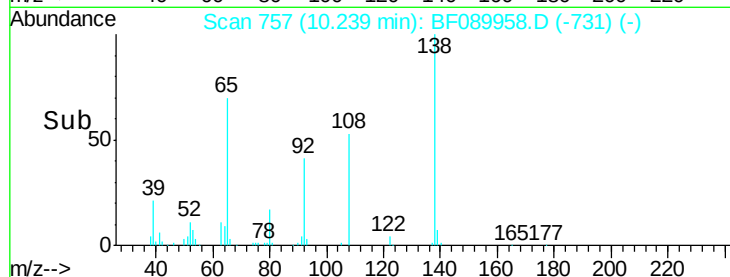
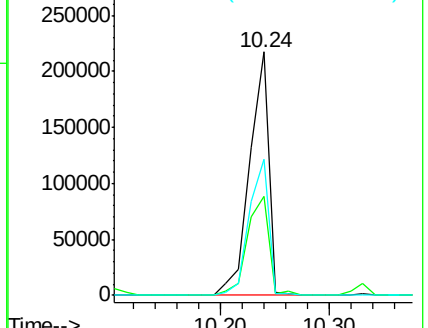
108 55.8 37.7 77.7



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 48.97 ng

RT: 10.36 min Scan# 768

Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

Tgt Ion: 77 Resp: 1108354

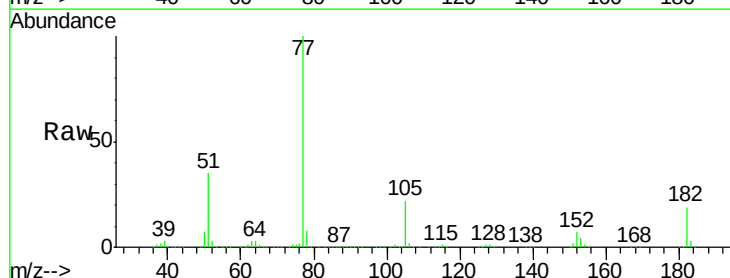
Ion Ratio Lower Upper

77 100

182 18.8 0.0 38.6

105 22.1 2.3 42.3

51 35.1 15.1 55.1

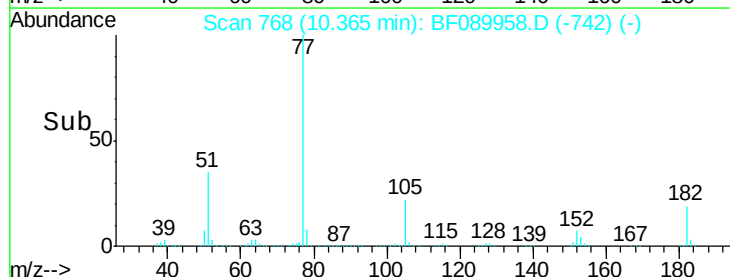
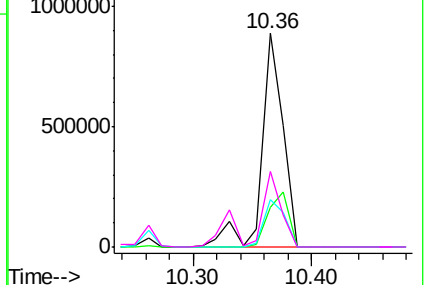


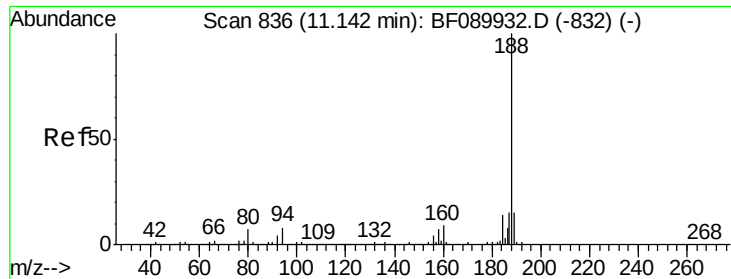
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.14 min Scan# 836

Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

Instrument :

BNA_F

ClientSampleId :

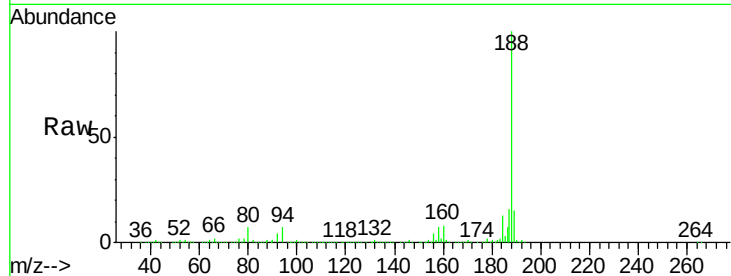
Tot Ion:188 Resp: 563928

Ion Ratio Lower Upper

188 100

94 7.1 5.9 8.9

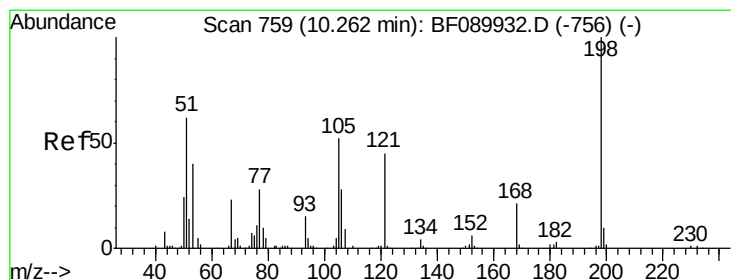
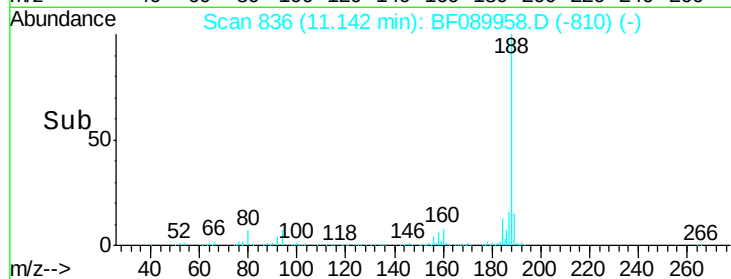
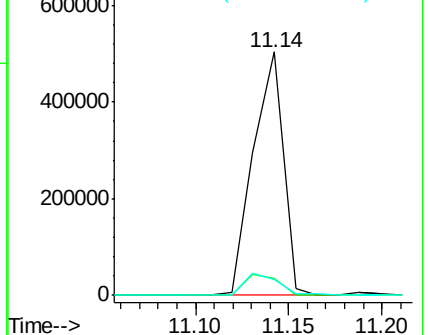
80 6.7 5.8 8.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 34.73 ng

RT: 10.26 min Scan# 759

Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

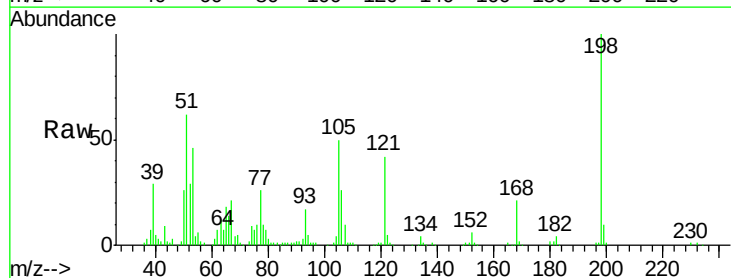
Tgt Ion:198 Resp: 125398

Ion Ratio Lower Upper

198 100

51 62.5 43.0 83.0

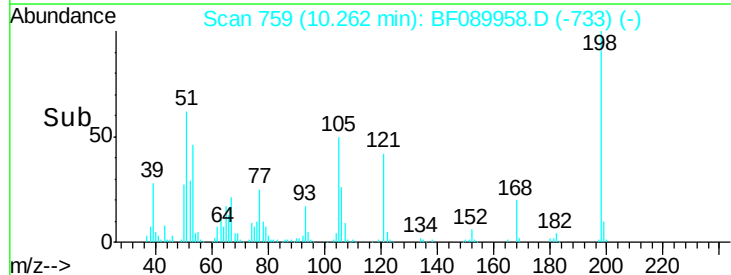
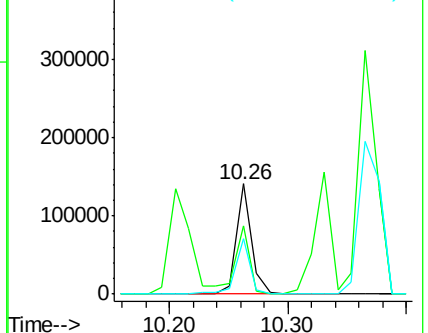
105 49.8 30.3 70.3

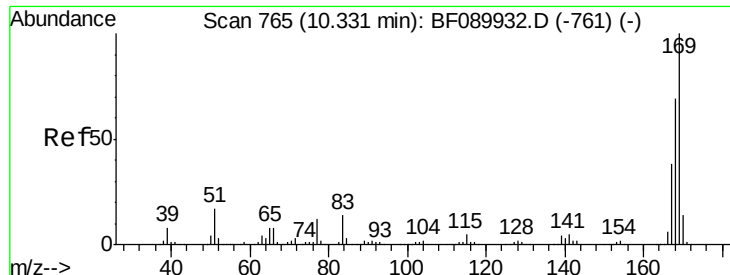


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

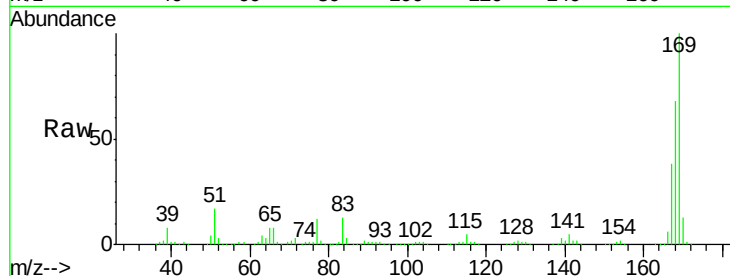




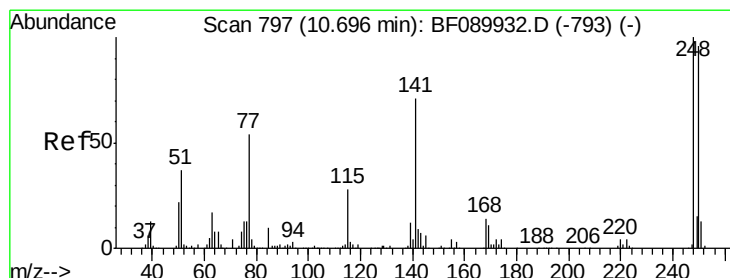
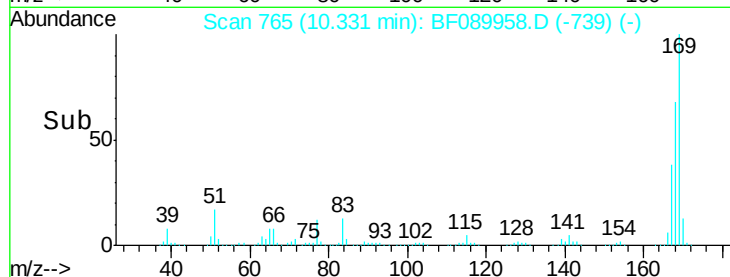
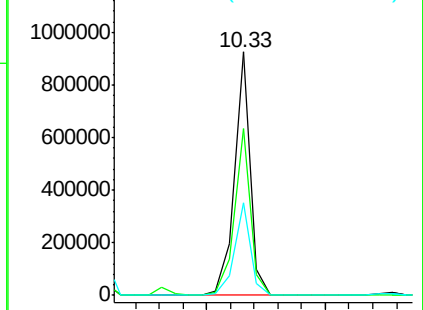
#65
 n-Nitrosodiphenylamine
 Concen: 50.20 ng
 RT: 10.33 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: BF089958.D
 Acq: 31 Aug 2016 18:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	169	Resp	851118
Ion Ratio	100		
Lower	55.0		
Upper	82.4		
168	68.4		
167	37.9		

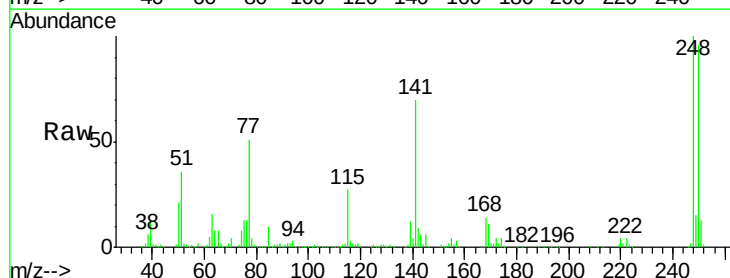


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

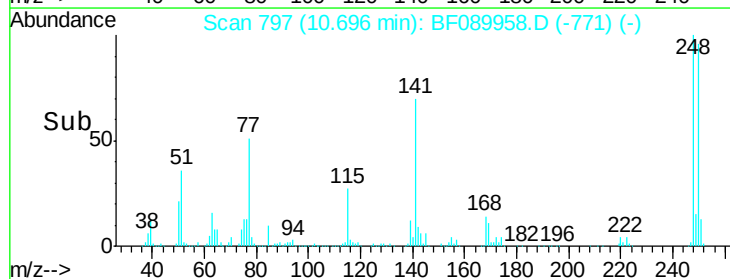
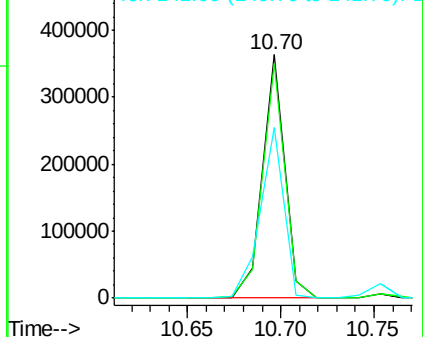


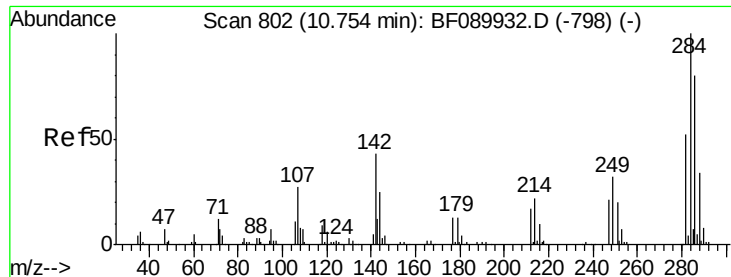
#66
 4-Bromophenyl-phenylether
 Concen: 52.68 ng
 RT: 10.70 min Scan# 797
 Delta R.T. 0.00 min
 Lab File: BF089958.D
 Acq: 31 Aug 2016 18:53

Tgt Ion	248	Resp	299058
Ion Ratio	100		
Lower	77.3		
Upper	115.9		
250	96.2		
141	70.3		



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





#67

Hexachlorobenzene

Concen: 45.39 ng

RT: 10.75 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF089958.D

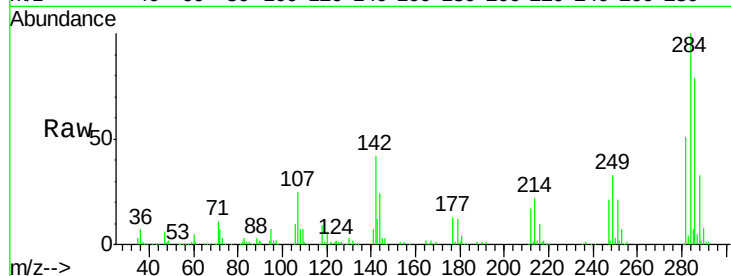
Acq: 31 Aug 2016 18:53

Instrument :

BNA_F

ClientSampled :

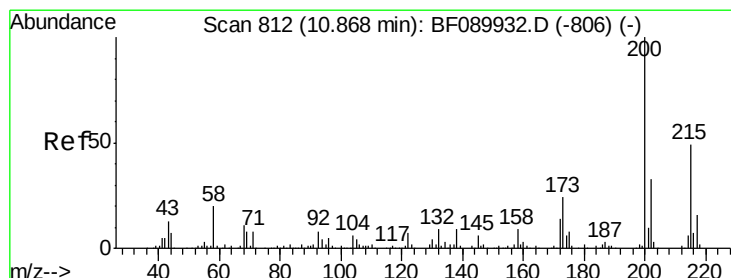
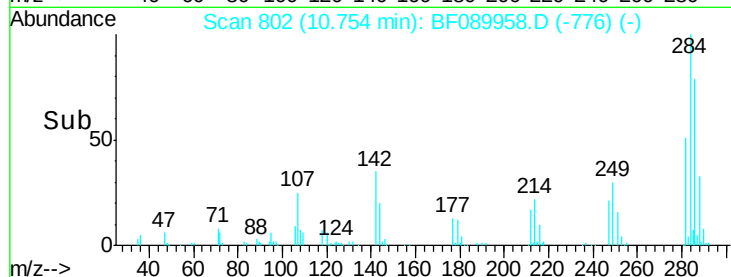
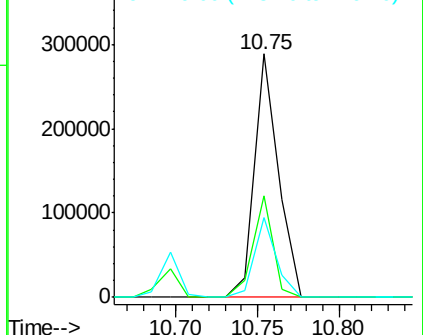
Tot Ion:284	Resp:	294347
Ion Ratio	Lower	Upper
284	100	
142	41.8	32.7 49.1
249	32.9	26.9 40.3



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: 49.83 ng

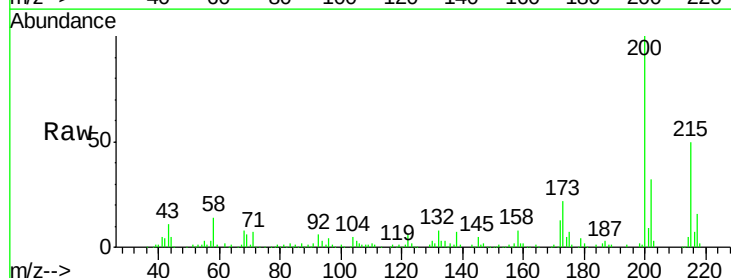
RT: 10.87 min Scan# 812

Delta R.T. 0.01 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

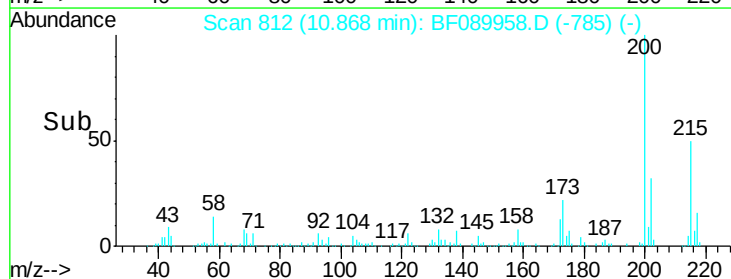
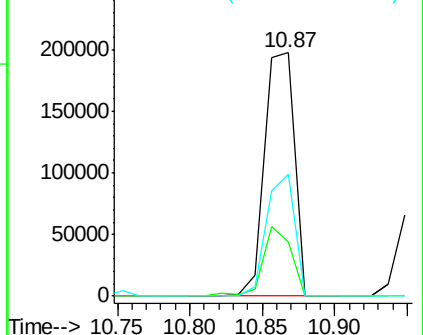
Tgt Ion:200	Resp:	282049
Ion Ratio	Lower	Upper
200	100	
173	22.0	9.4 49.4
215	50.1	24.5 64.5

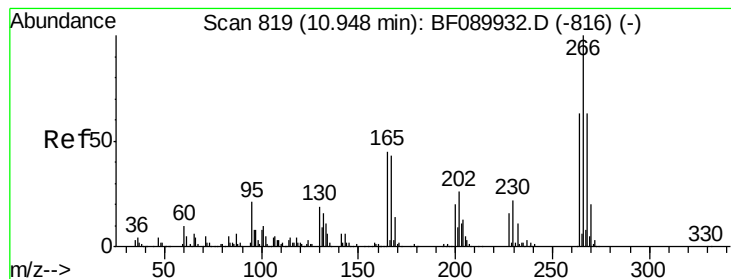


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 84.81 ng

RT: 10.95 min Scan# 819

Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

Instrument :

BNA_F

ClientSampleId :

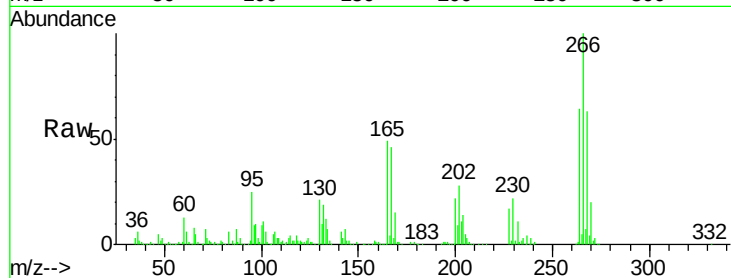
Tot Ion:266 Resp: 295889

Ion Ratio Lower Upper

266 100

268 63.4 51.0 76.6

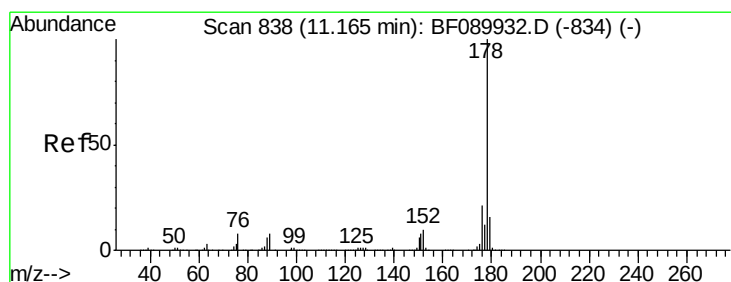
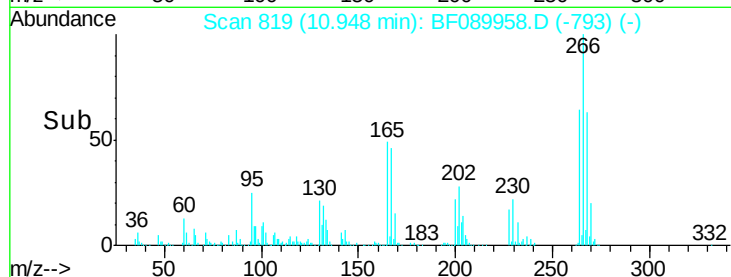
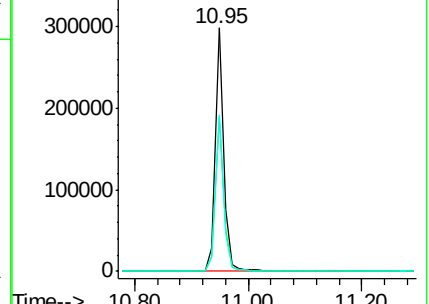
264 64.1 50.6 75.8



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: 49.82 ng

RT: 11.16 min Scan# 838

Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

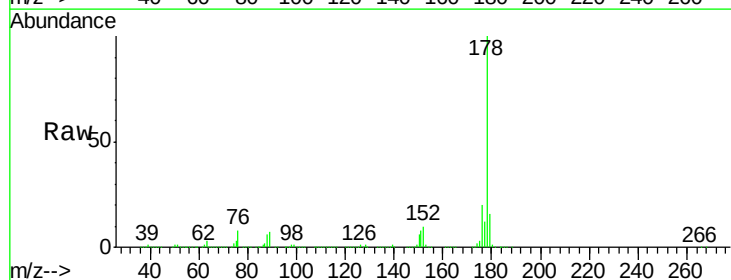
Tgt Ion:178 Resp: 1398992

Ion Ratio Lower Upper

178 100

176 20.0 16.5 24.7

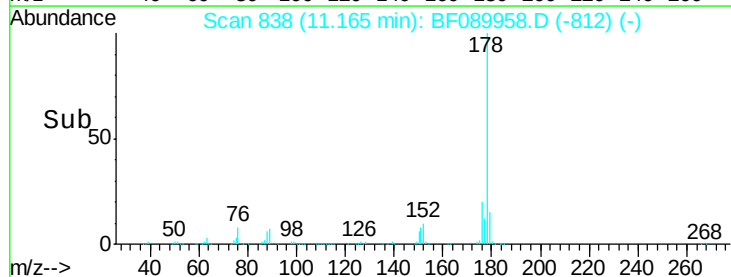
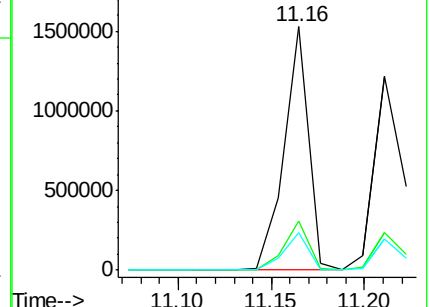
179 15.6 12.8 19.2

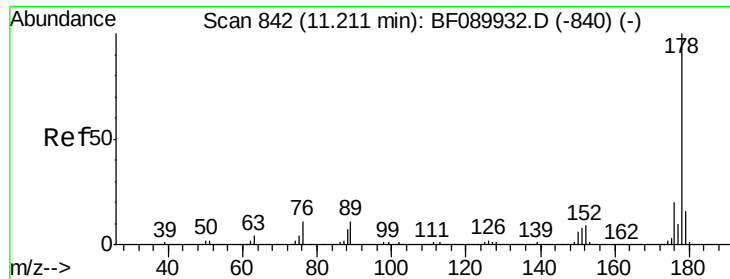


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

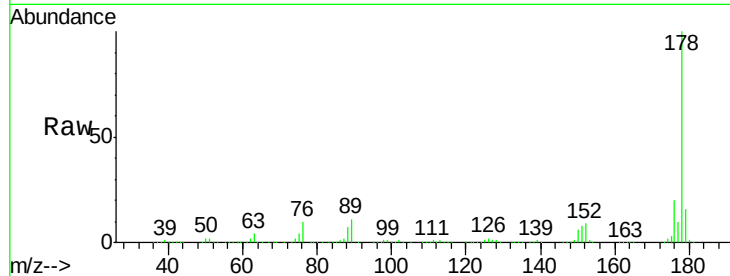




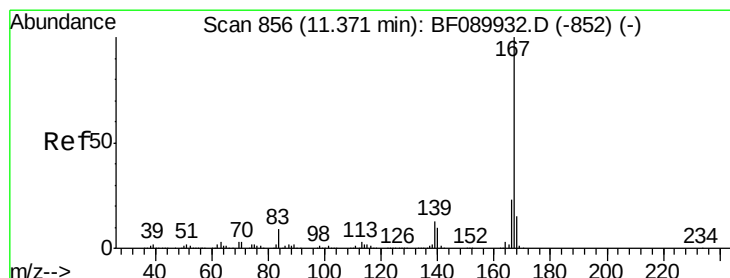
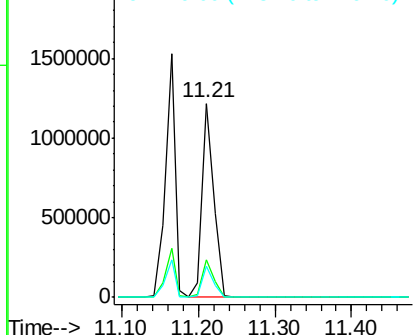
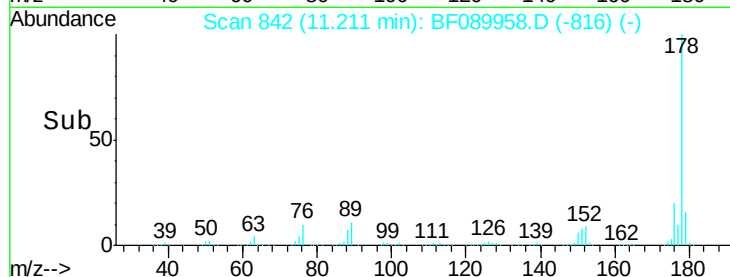
#71
 Anthracene
 Concen: 44.70 ng
 RT: 11.21 min Scan# 842
 Delta R.T. 0.00 min
 Lab File: BF089958.D
 Acq: 31 Aug 2016 18:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 1273331
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.8 23.8
 179 16.1 13.0 19.4

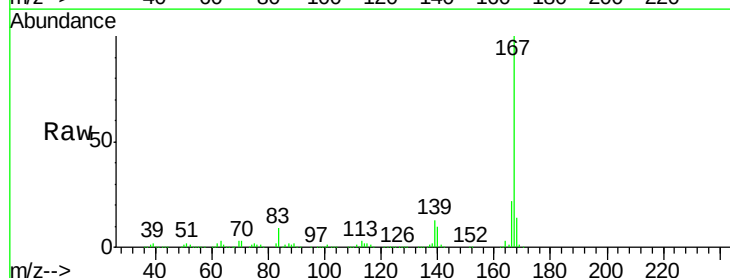


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

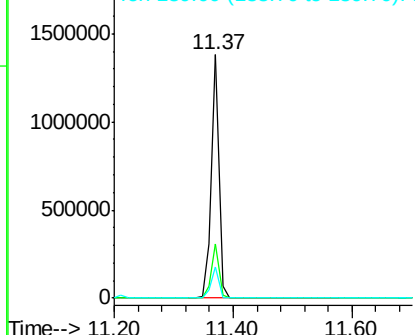
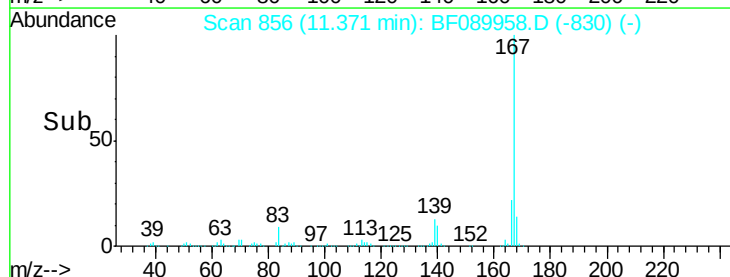


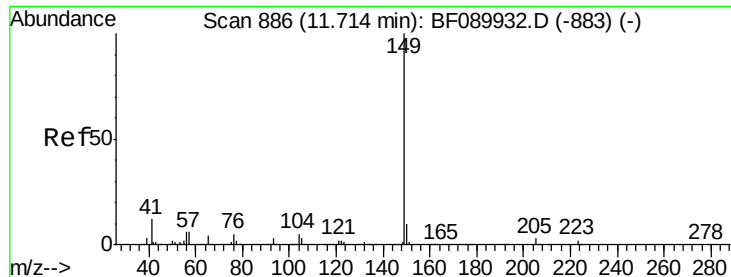
#72
 Carbazole
 Concen: 45.79 ng
 RT: 11.37 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: BF089958.D
 Acq: 31 Aug 2016 18:53

Tgt Ion:167 Resp: 1222897
 Ion Ratio Lower Upper
 167 100
 166 22.2 18.1 27.1
 139 12.9 10.4 15.6



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: 49.78 ng

RT: 11.71 min Scan# 886

Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

Instrument :

BNA_F

ClientSampleId :

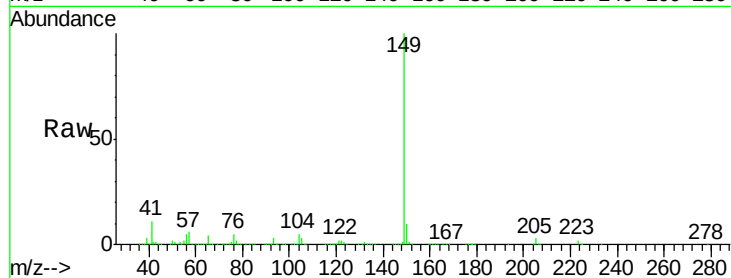
Tot Ion:149 Resp: 1549462

Ion Ratio Lower Upper

149 100

150 9.8 7.8 11.8

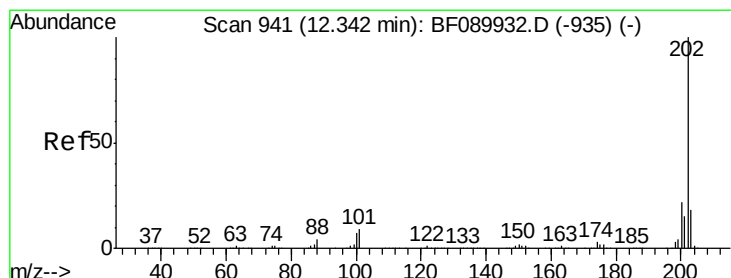
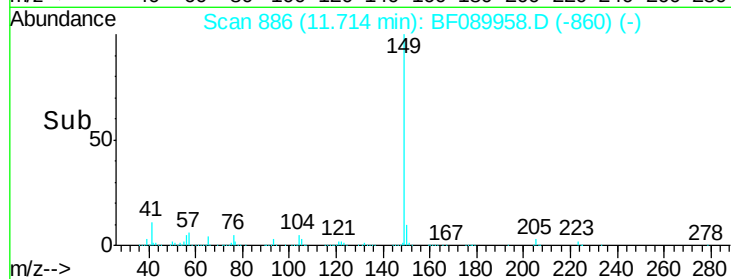
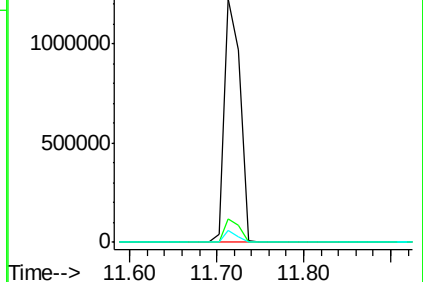
104 4.8 3.9 5.9



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: 46.17 ng

RT: 12.34 min Scan# 941

Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

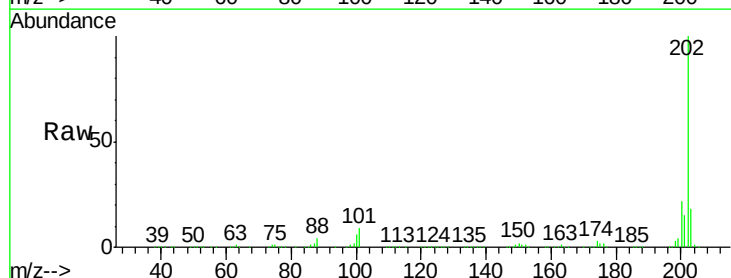
Tgt Ion:202 Resp: 1358897

Ion Ratio Lower Upper

202 100

101 8.7 0.0 28.5

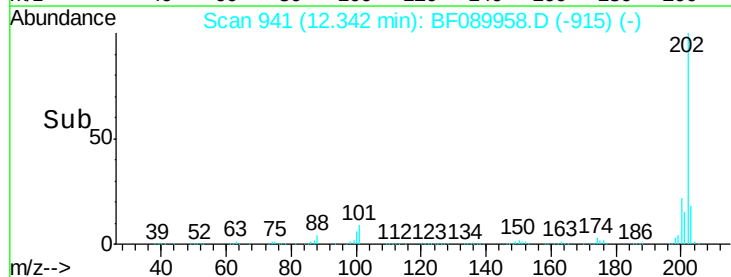
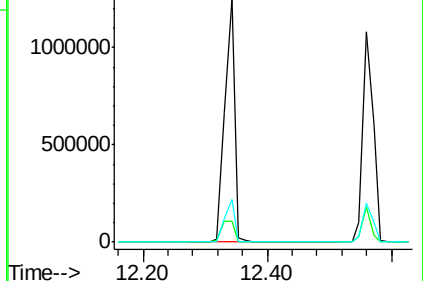
203 17.7 0.0 38.0

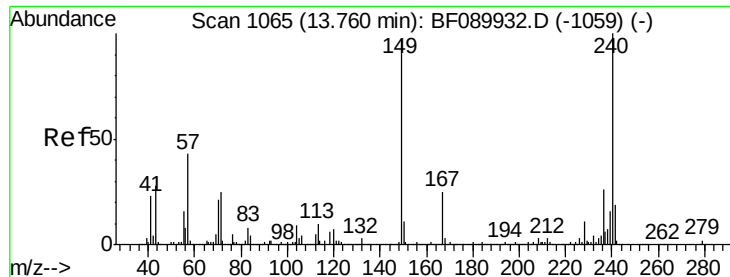


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.76 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

Instrument :

BNA_F

ClientSampleId :

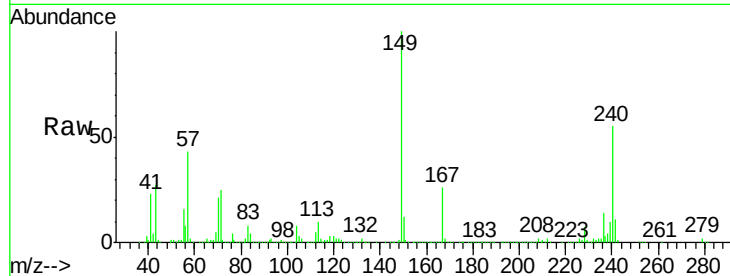
Tot Ion:240 Resp: 358974

Ion Ratio Lower Upper

240 100

120 5.7 5.7 8.5

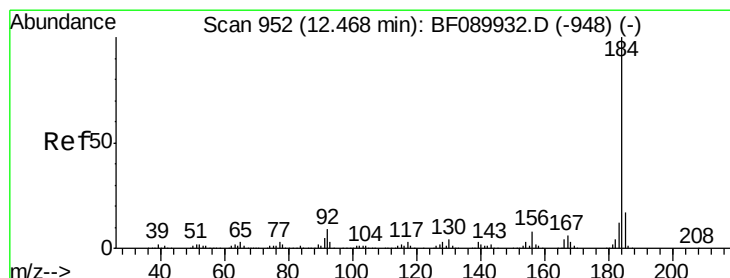
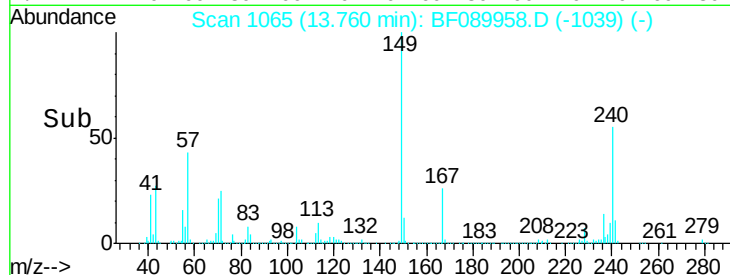
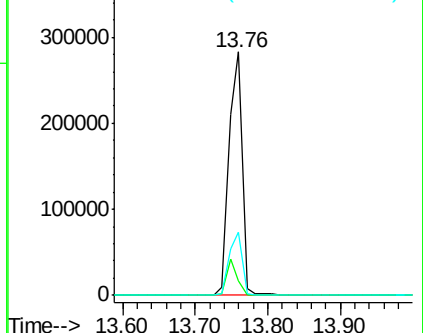
236 25.7 21.3 31.9



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: 40.04 ng

RT: 12.47 min Scan# 952

Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

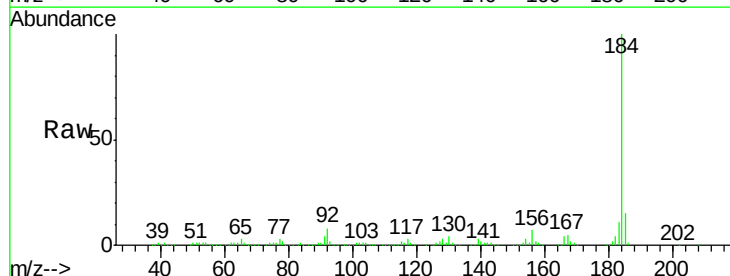
Tgt Ion:184 Resp: 544503

Ion Ratio Lower Upper

184 100

185 14.7 13.8 20.8

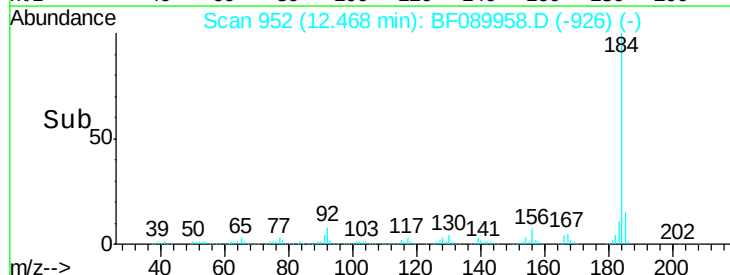
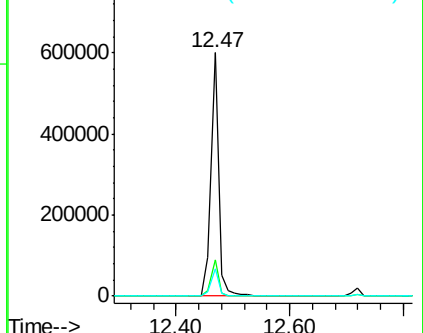
183 11.4 9.6 14.4

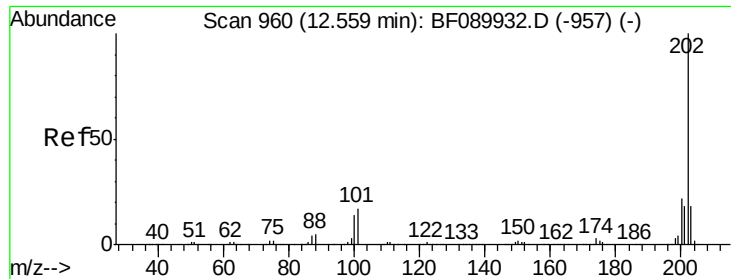


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

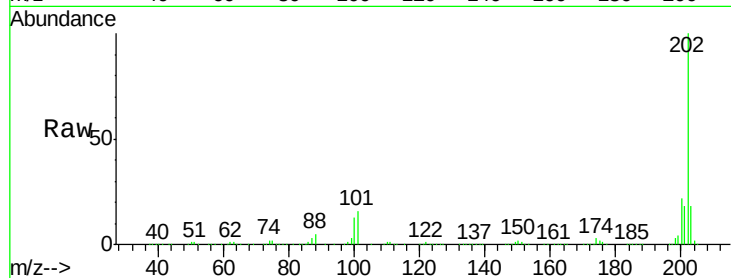




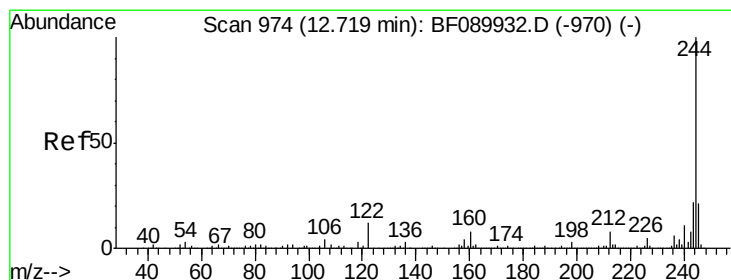
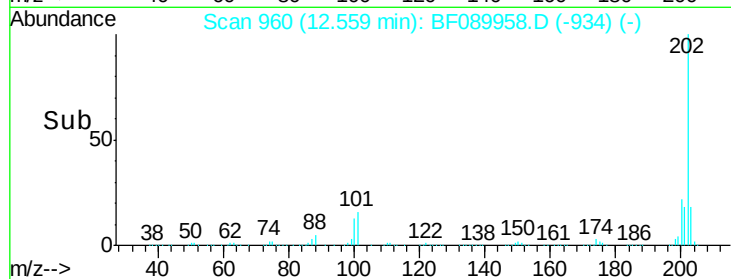
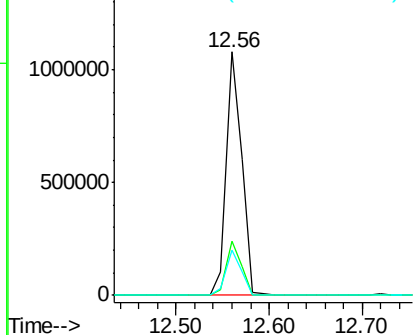
#77
Pvrene
Concen: 49.05 ng
RT: 12.56 min Scan# 960
Delta R.T. 0.00 min
Lab File: BF089958.D
Acq: 31 Aug 2016 18:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 1241413
Ion Ratio Lower Upper
202 100
200 22.3 17.6 26.4
203 18.4 14.6 21.8

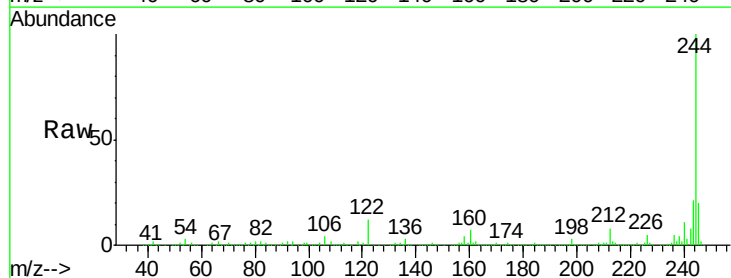


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

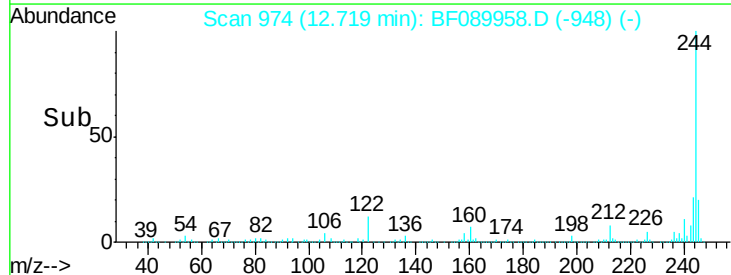
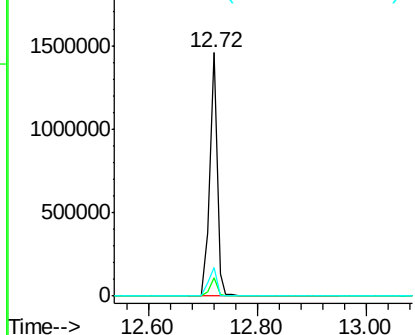


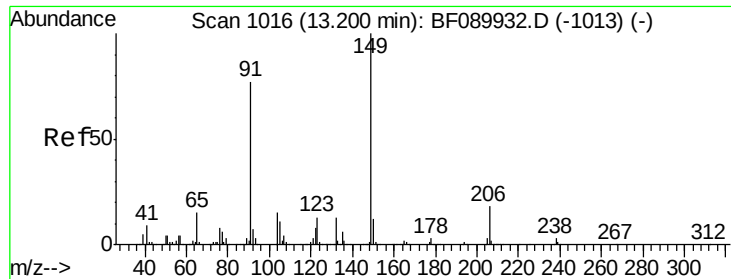
#78
Terphenyl-d14
Concen: 95.33 ng
RT: 12.72 min Scan# 974
Delta R.T. 0.00 min
Lab File: BF089958.D
Acq: 31 Aug 2016 18:53

Tgt Ion:244 Resp: 1385279
Ion Ratio Lower Upper
244 100
212 7.6 6.1 9.1
122 11.7 9.6 14.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

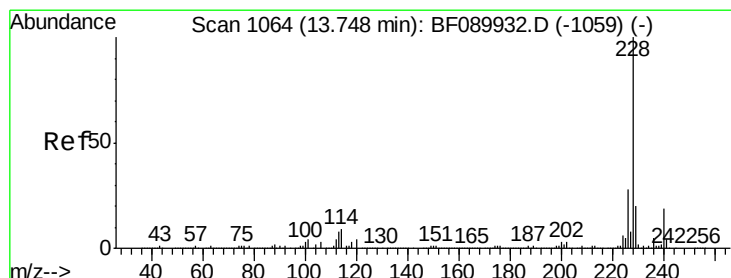
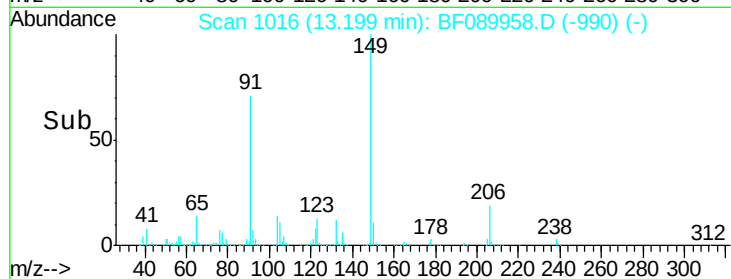
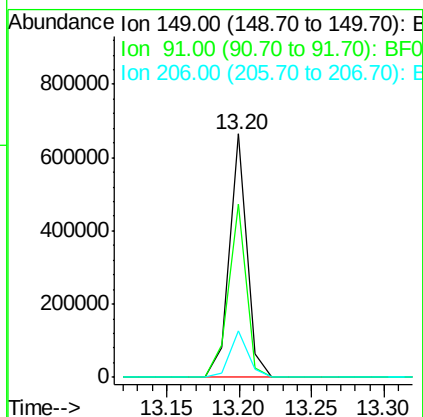
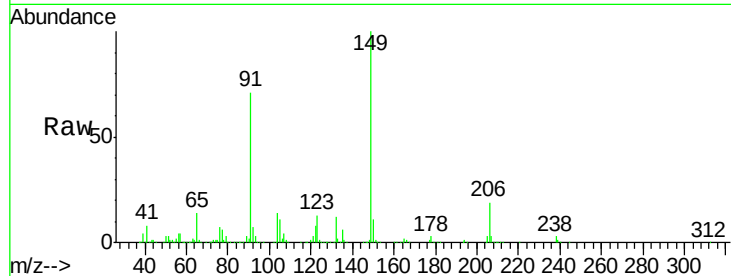




#79
Butylbenzylphthalate
Concen: 55.00 ng
RT: 13.20 min Scan# 1016
Delta R.T. 0.00 min
Lab File: BF089958.D
Acq: 31 Aug 2016 18:53

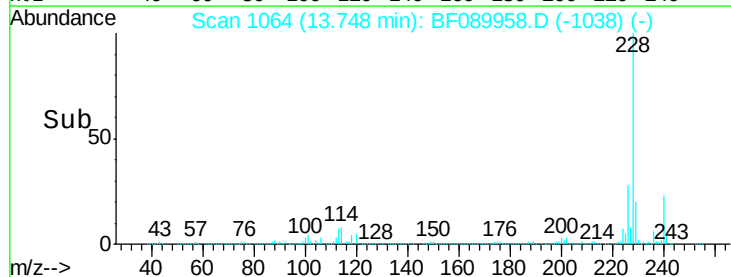
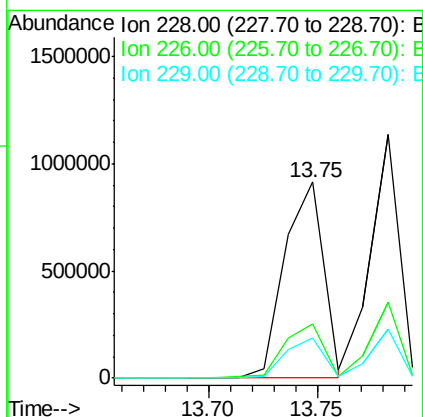
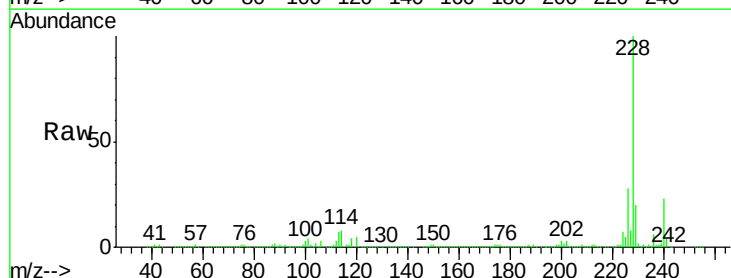
Instrument :
BNA_F
ClientSampleId :

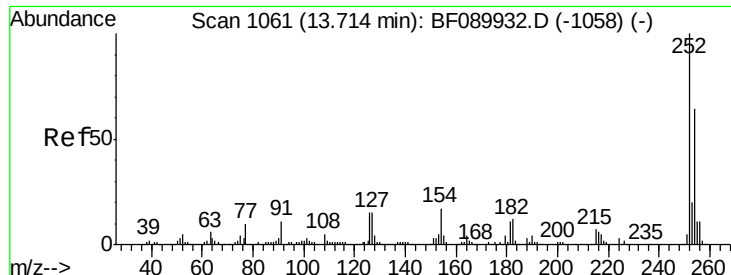
Tot Ion	Ratio	Lower	Upper
149	100		
91	71.2	60.0	90.0
206	19.2	15.1	22.7



#80
Benzo(a)anthracene
Concen: 51.98 ng
RT: 13.75 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BF089958.D
Acq: 31 Aug 2016 18:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.2	33.2
229	20.2	15.8	23.6

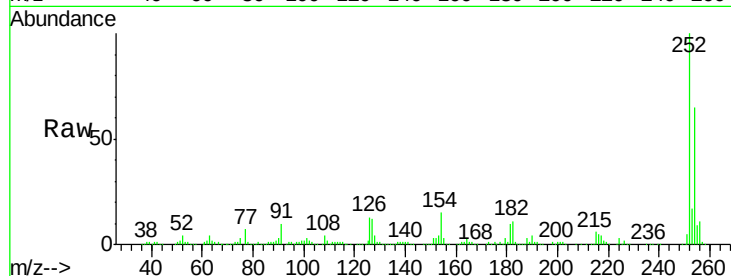




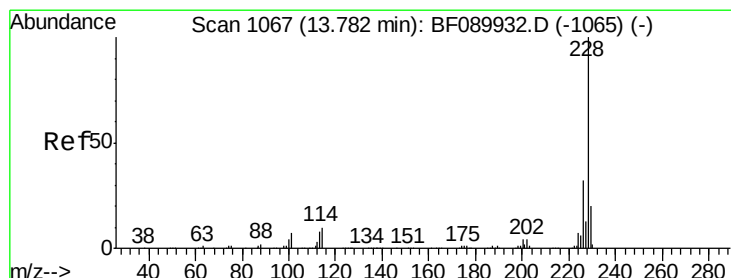
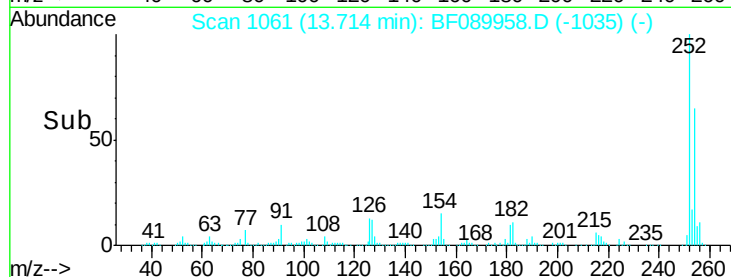
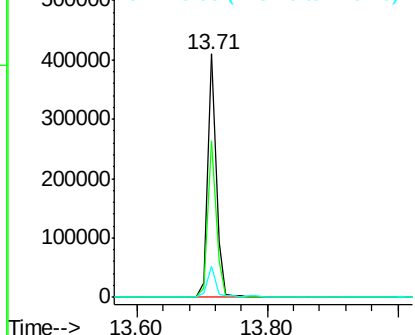
#81
 3,3'-Dichlorobenzidine
 Concen: 47.29 ng
 RT: 13.71 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: BF089958.D
 Acq: 31 Aug 2016 18:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:252 Resp: 375305
 Ion Ratio Lower Upper
 252 100
 254 64.5 51.3 76.9
 126 12.7 12.3 18.5

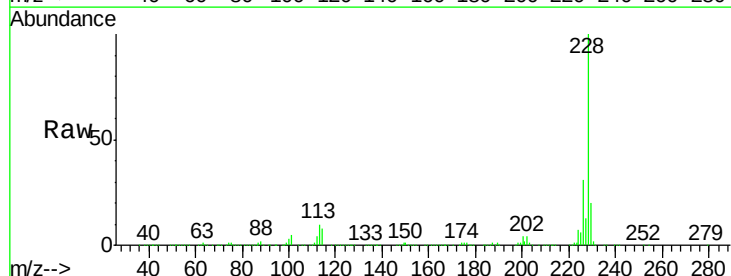


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

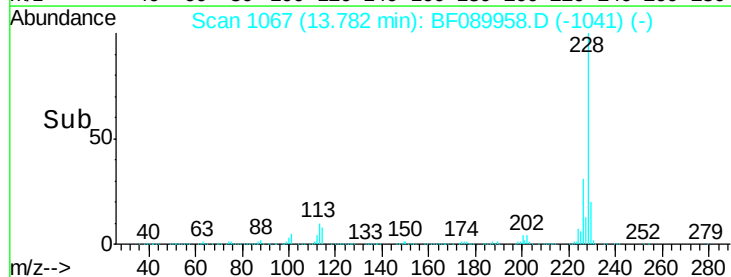
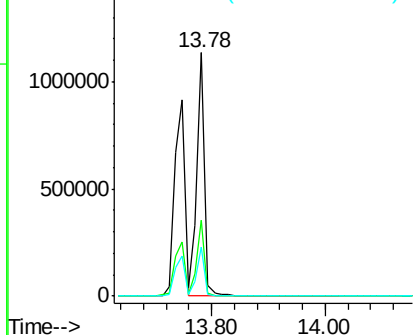


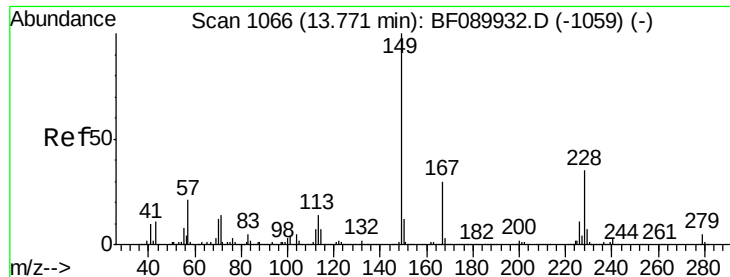
#82
 Chrysene
 Concen: 52.31 ng
 RT: 13.78 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: BF089958.D
 Acq: 31 Aug 2016 18:53

Tgt Ion:228 Resp: 1074357
 Ion Ratio Lower Upper
 228 100
 226 31.1 25.2 37.8
 229 20.0 16.2 24.2



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

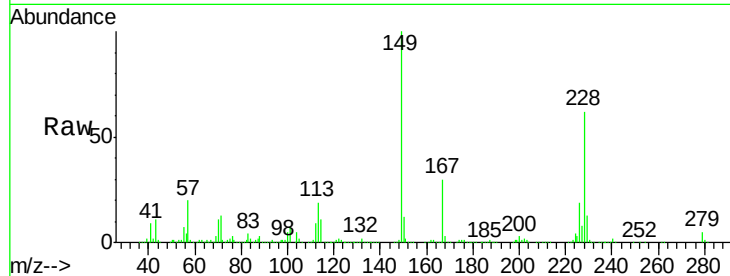




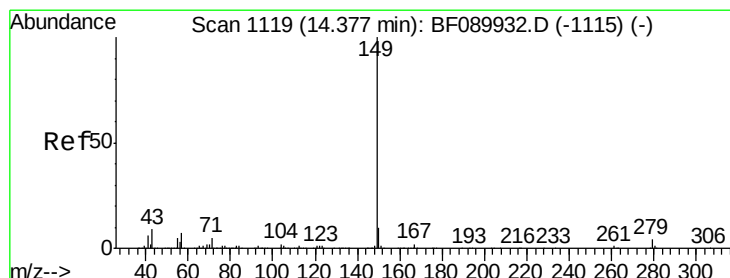
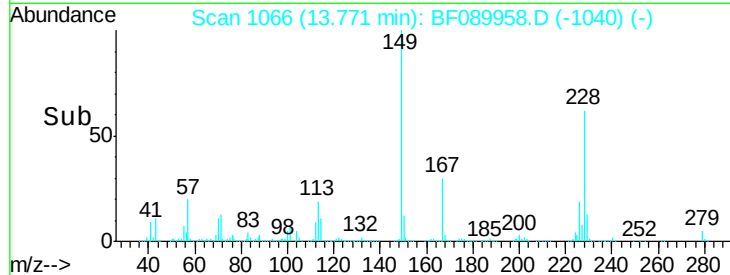
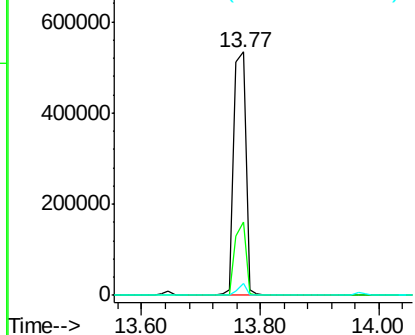
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 52.29 ng
 RT: 13.77 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: BF089958.D
 Acq: 31 Aug 2016 18:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 738217
 Ion Ratio Lower Upper
 149 100
 167 30.2 23.6 35.4
 279 4.7 3.4 5.2

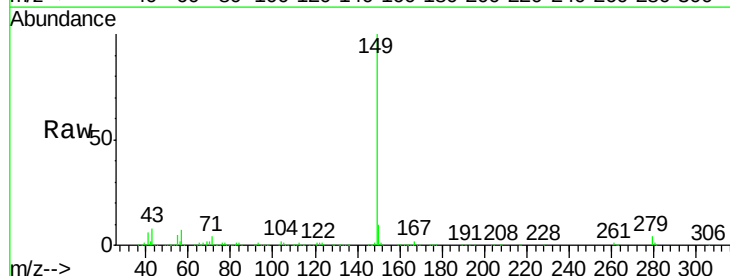


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

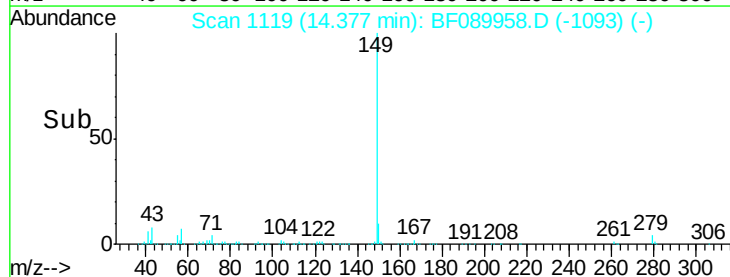
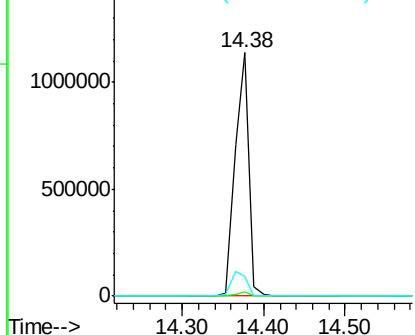


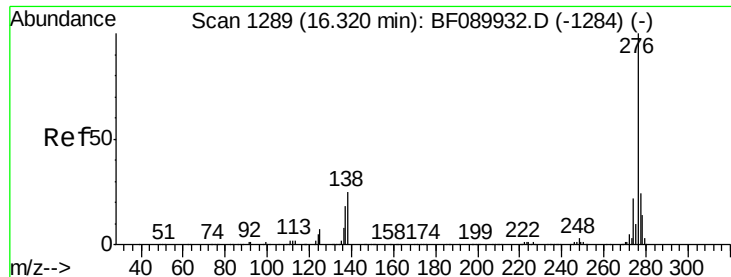
#84
 Di-n-octyl phthalate
 Concen: 57.82 ng
 RT: 14.38 min Scan# 1119
 Delta R.T. 0.00 min
 Lab File: BF089958.D
 Acq: 31 Aug 2016 18:53

Tgt Ion:149 Resp: 1317493
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.2 1.8
 43 11.4 9.3 13.9



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





#85

Indeno(1,2,3-cd)pyrene

Concen: 77.82 ng

RT: 16.33 min Scan# 1290

Delta R.T. 0.01 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

Instrument :

BNA_F

ClientSampleId :

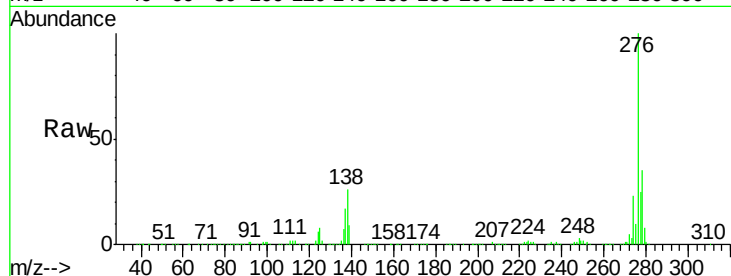
Tot Ion:276 Resp: 1181638

Ion Ratio Lower Upper

276 100

138 28.7 22.6 34.0

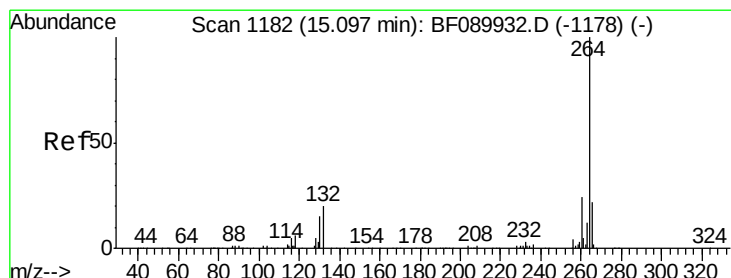
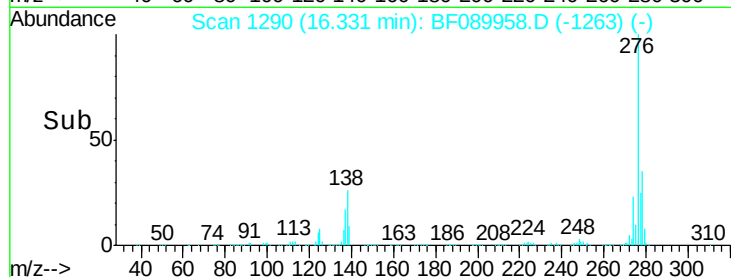
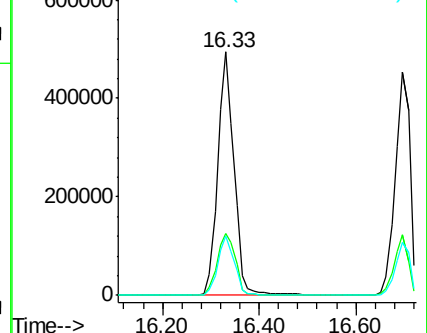
277 25.0 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.10 min Scan# 1182

Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

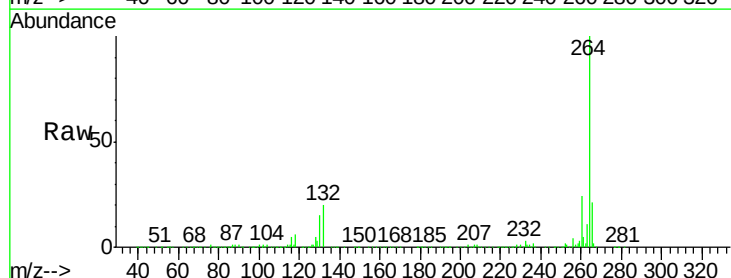
Tgt Ion:264 Resp: 412813

Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.0

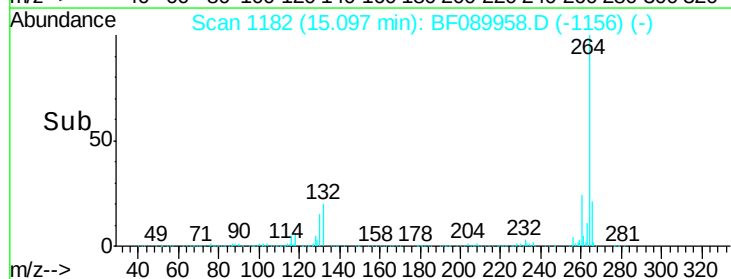
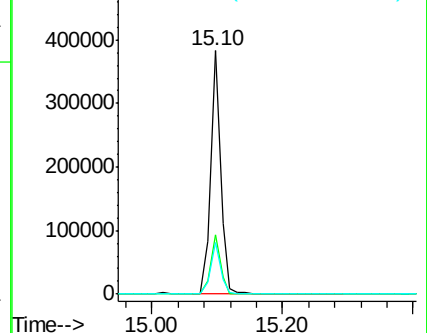
265 21.1 17.4 26.2

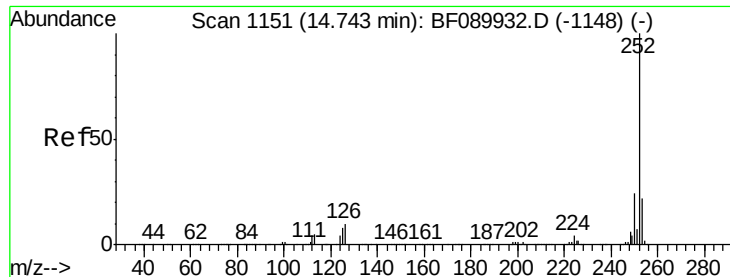


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 85.00 ng

RT: 14.77 min Scan# 1153

Delta R.T. 0.02 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

Instrument :

BNA_F

ClientSampled :

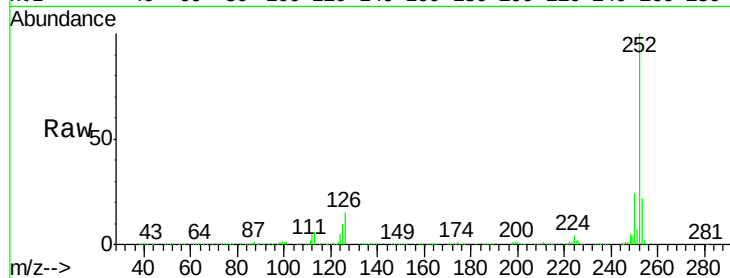
Tot Ion:252 Resp: 2198272

Ion Ratio Lower Upper

252 100

253 22.5 18.0 27.0

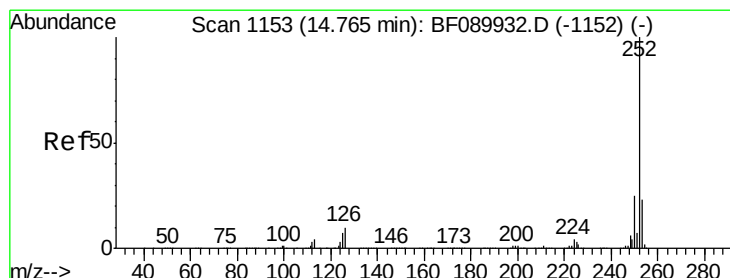
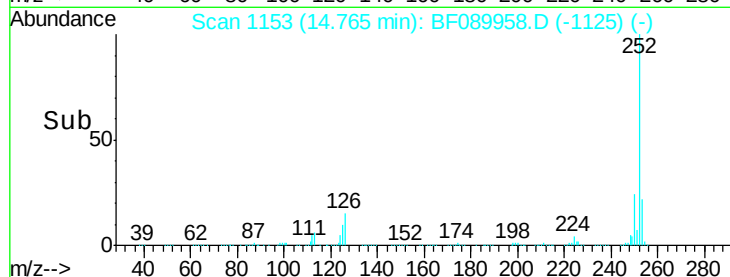
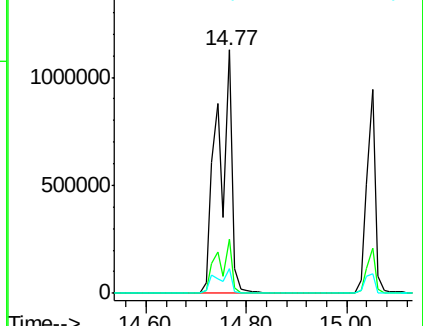
125 10.3 5.7 8.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 100.17 ng

RT: 14.77 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BF089958.D

Acq: 31 Aug 2016 18:53

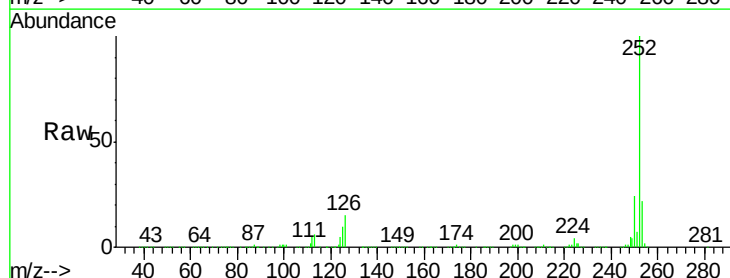
Tgt Ion:252 Resp: 2198272

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

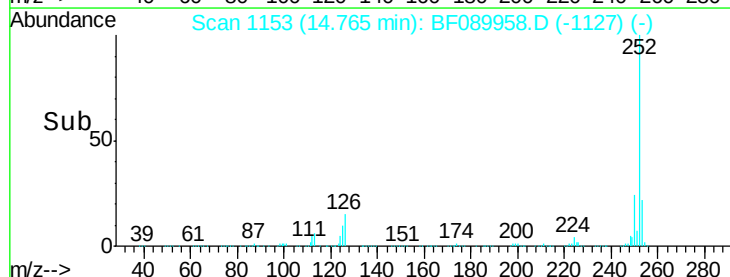
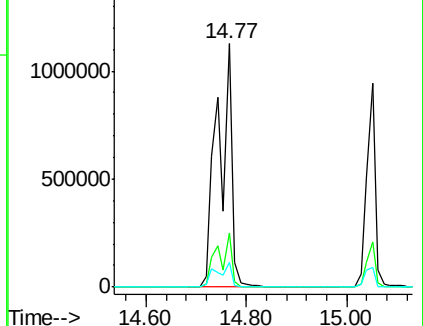
125 10.3 7.3 10.9

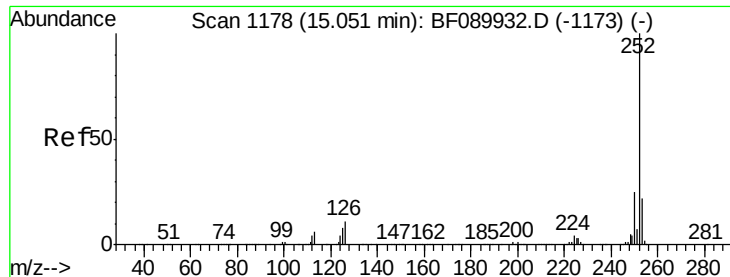


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

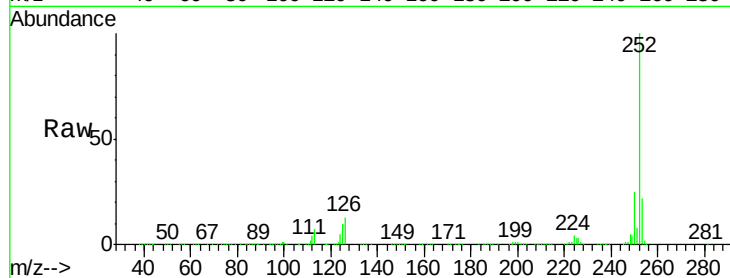




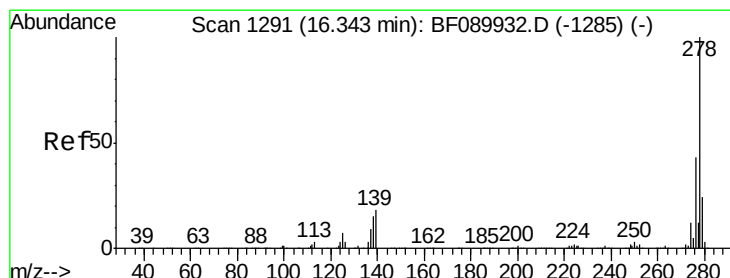
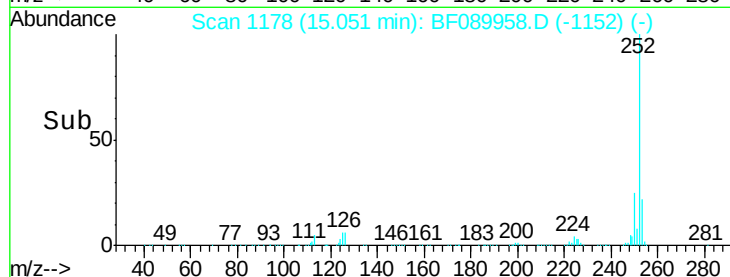
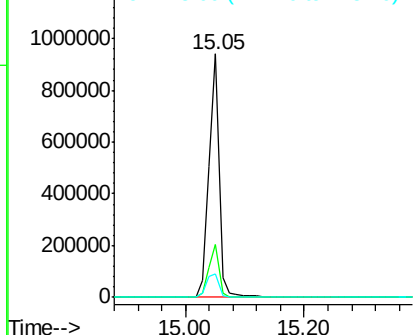
#89
Benzo(a)pyrene
Concen: 50.71 ng
RT: 15.05 min Scan# 1178
Delta R.T. 0.00 min
Lab File: BF089958.D
Acq: 31 Aug 2016 18:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 1123584
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 9.7 6.3 9.5#

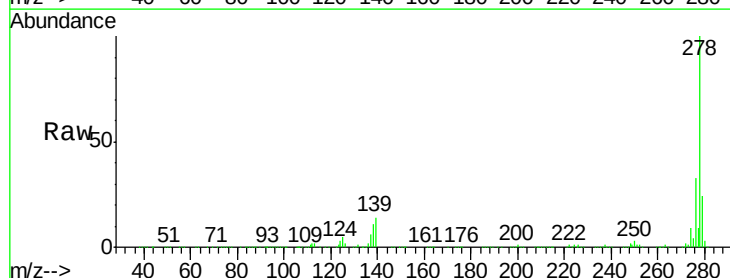


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

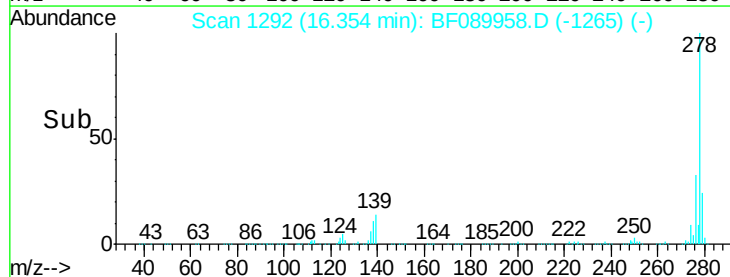
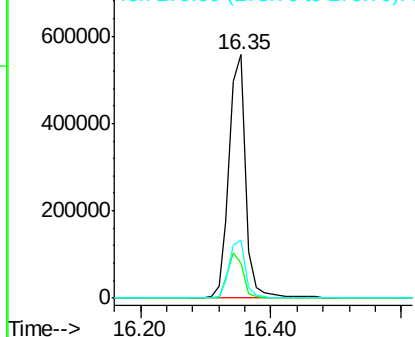


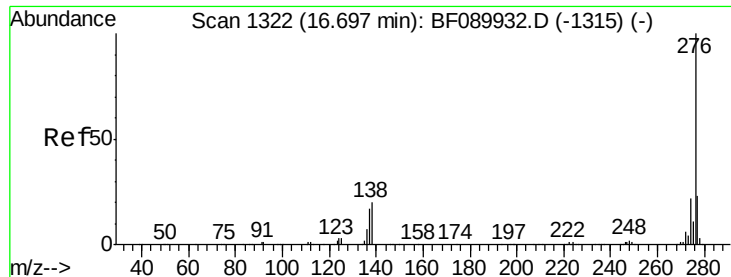
#90
Dibenzo(a,h)anthracene
Concen: 61.07 ng
RT: 16.35 min Scan# 1292
Delta R.T. 0.01 min
Lab File: BF089958.D
Acq: 31 Aug 2016 18:53

Tgt Ion:278 Resp: 991390
Ion Ratio Lower Upper
278 100
139 14.4 13.4 20.2
279 24.1 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

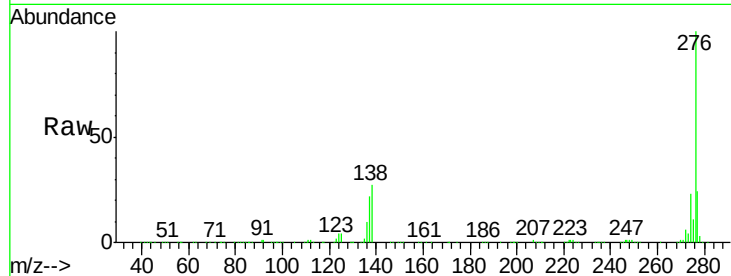




#91
 Benzo(a,h,i)perylene
 Concen: 59.70 ng
 RT: 16.70 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: BF089958.D
 Acq: 31 Aug 2016 18:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	26.9	16.4	24.6



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

