

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080516\
 Data File : BF089642.D
 Acq On : 5 Aug 2016 21:41
 Operator : UM/SJ
 Sample : H4346-04MS
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46D-9-11MS

Quant Time: Aug 05 23:07:25 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 01:39:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	43796	20.00	ng	0.00
21) Naphthalene-d8	9.47	136	179609	20.00	ng	0.00
38) Acenaphthene-d10	12.30	164	76378	20.00	ng	0.00
63) Phenanthrene-d10	14.70	188	111654	20.00	ng	0.00
75) Chrysene-d12	18.39	240	84513	20.00	ng	0.00
86) Perylene-d12	20.05	264	73398	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	405781	155.29	ng	0.04
7) Phenol-d6	7.00	99	520785	146.92	ng	0.02
23) Nitrobenzene-d5	8.36	82	336488	103.62	ng	0.00
41) 2,4,6-Tribromophenol	13.60	330	83793	132.94	ng	0.01
44) 2-Fluorobiphenyl	11.26	172	539844	91.86	ng	0.00
78) Terphenyl-d14	17.05	244	322704	75.38	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	1.82	88	48616	32.45	ng	# 89
3) Pyridine	2.38	79	136145	49.46	ng	97
4) n-Nitrosodimethylamine	2.35	42	59475	49.31	ng	99
6) Aniline	6.95	93	93252	20.30	ng	99
8) 2-Chlorophenol	7.13	128	165585	51.62	ng	97
9) Benzaldehyde	6.74	77	67032	52.12	ng	92
10) Phenol	7.02	94	200021	54.96	ng	100
11) bis(2-Chloroethyl)ether	7.10	93	150712	48.20	ng	99
12) 1,3-Dichlorobenzene	7.35	146	164263	47.14	ng	99
13) 1,4-Dichlorobenzene	7.47	146	162207	46.68	ng	98
14) 1,2-Dichlorobenzene	7.70	146	160282	43.76	ng	100
15) Benzyl Alcohol	7.74	79	139939	60.21	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.95	45	185198	46.51	ng	94
17) 2-Methylphenol	7.95	107	125901	54.34	ng	92
18) Hexachloroethane	8.23	117	58120	39.69	ng	99
19) n-Nitroso-di-n-propylamine	8.17	70	124599	48.66	ng	94
20) 3+4-Methylphenols	8.22	107	164666	56.31	ng	98
22) Acetophenone	8.12	105	198867	46.45	ng	95
24) Nitrobenzene	8.39	77	163676	53.07	ng	100
25) Isophorone	8.79	82	316073	50.83	ng	100
26) 2-Nitrophenol	8.89	139	76827	54.28	ng	97
27) 2,4-Dimethylphenol	9.04	122	134092	52.69	ng	97
28) bis(2-Chloroethoxy)methane	9.18	93	197728	52.56	ng	100
29) 2,4-Dichlorophenol	9.31	162	122545	50.89	ng	96
30) 1,2,4-Trichlorobenzene	9.40	180	132084	48.03	ng	99
31) Naphthalene	9.51	128	455495	47.71	ng	100
32) Benzoic acid	9.28	122	8860	5.54	ng	91
33) 4-Chloroaniline	9.67	127	27267	7.61	ng	# 88
34) Hexachlorobutadiene	9.74	225	69085	43.63	ng	97
35) Caprolactam	10.27	113	25971	37.01	ng	96
36) 4-Chloro-3-methylphenol	10.52	107	139894	49.98	ng	99
37) 2-Methylnaphthalene	10.64	142	283326	48.26	ng	97
39) 1,2,4,5-Tetrachlorobenzene	10.91	216	108067	37.65	ng	99
40) Hexachlorocyclopentadiene	10.89	237	17680	24.83	ng	99

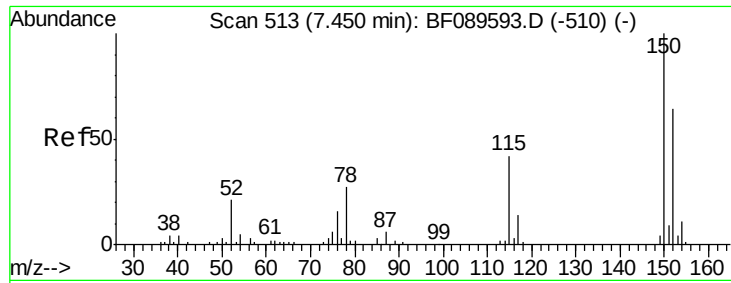
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080516\
 Data File : BF089642.D
 Acq On : 5 Aug 2016 21:41
 Operator : UM/SJ
 Sample : H4346-04MS
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46D-9-11MS

Quant Time: Aug 05 23:07:25 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 01:39:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	11.13	196	79325	56.02	ng	97
43) 2,4,5-Trichlorophenol	11.21	196	85633	56.59	ng	99
45) 1,1'-Biphenyl	11.40	154	298298	43.31	ng	99
46) 2-Chloronaphthalene	11.42	162	250467	48.50	ng	99
47) 2-Nitroaniline	11.63	65	85348	51.27	ng	88
48) Acenaphthylene	12.07	152	400094	47.03	ng	100
49) Dimethylphthalate	11.97	163	581398	97.12	ng	99
50) 2,6-Dinitrotoluene	12.06	165	64965	54.58	ng	93
51) Acenaphthene	12.35	154	230350	46.88	ng	100
52) 3-Nitroaniline	12.31	138	38478	27.03	ng	# 93
53) 2,4-Dinitrophenol	12.53	184	9931	27.91	ng	90
54) Dibenzofuran	12.64	168	341359	50.54	ng	98
55) 4-Nitrophenol	12.69	139	70929	Below Cal		# 70
56) 2,4-Dinitrotoluene	12.71	165	83250	49.73	ng	87
57) Fluorene	13.20	166	266360	46.13	ng	100
58) 2,3,4,6-Tetrachlorophenol	12.88	232	61845	53.83	ng	96
59) Diethylphthalate	13.11	149	305692	49.38	ng	99
60) 4-Chlorophenyl-phenylether	13.22	204	123978	46.83	ng	95
61) 4-Nitroaniline	13.31	138	45812	35.79	ng	99
62) Azobenzene	13.49	77	313651	52.38	ng	99
64) 4,6-Dinitro-2-methylphenol	13.37	198	15344	25.31	ng	89
65) n-Nitrosodiphenylamine	13.44	169	229597	60.88	ng	99
66) 4-Bromophenyl-phenylether	14.01	248	65810	60.94	ng	99
67) Hexachlorobenzene	14.08	284	58895	49.57	ng	# 84
68) Atrazine	14.35	200	66280	62.95	ng	99
69) Pentachlorophenol	14.42	266	53421	103.74	ng	99
70) Phenanthrene	14.73	178	315194	51.92	ng	99
71) Anthracene	14.81	178	329527	50.62	ng	99
72) Carbazole	15.11	167	296520	54.66	ng	99
73) Di-n-butylphthalate	15.70	149	400189	54.54	ng	100
74) Fluoranthene	16.49	202	285795	45.79	ng	98
76) Benzidine	16.73	184	130754	51.04	ng	99
77) Pyrene	16.80	202	295579	39.56	ng	98
79) Butylbenzylphthalate	17.73	149	140541	44.20	ng	94
80) Benzo(a)anthracene	18.38	228	236322	48.67	ng	99
81) 3,3'-Dichlorobenzidine	18.37	252	78980	51.63	ng	# 97
82) Chrysene	18.42	228	245411	48.17	ng	100
83) Bis(2-ethylhexyl)phthalate	18.48	149	199039	45.21	ng	# 97
84) Di-n-octyl phthalate	19.25	149	346566	54.70	ng	99
85) Indeno(1,2,3-cd)pyrene	21.23	276	179445	46.39	ng	100
87) Benzo(b)fluoranthene	19.65	252	281119	62.27	ng	# 97
88) Benzo(k)fluoranthene	19.65	252	281119	61.73	ng	98
89) Benzo(a)pyrene	20.00	252	210572	49.82	ng	97
90) Dibenzo(a,h)anthracene	21.25	278	156087	39.53	ng	99
91) Benzo(g,h,i)perylene	21.57	276	144207	35.68	ng	100

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.45 min Scan# 513

Delta R.T. 0.00 min

Lab File: BF089642.D

Acq: 5 Aug 2016 21:41

Instrument :

BNA_F

ClientSampleId :

LOCATION-46D-9-11MS

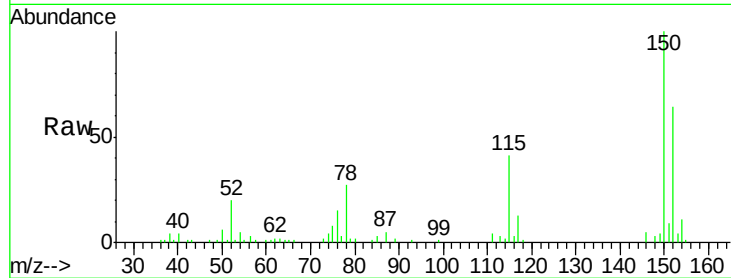
Tgt Ion:152 Resp: 43796

Ion Ratio Lower Upper

152 100

150 156.7 125.5 188.3

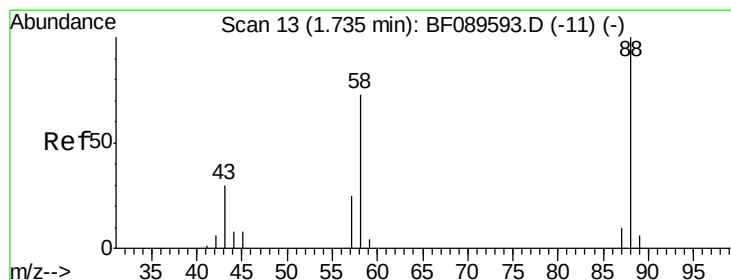
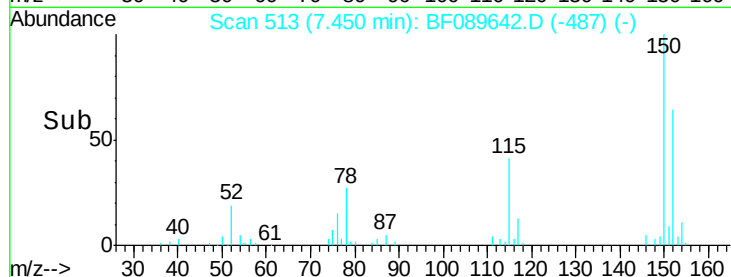
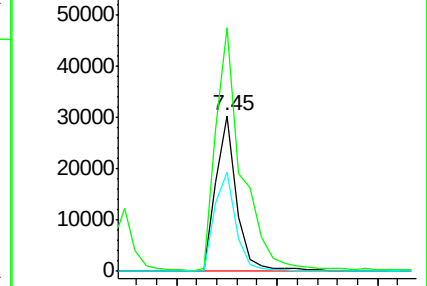
115 63.7 52.0 78.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 32.45 ng

RT: 1.82 min Scan# 20

Delta R.T. 0.08 min

Lab File: BF089642.D

Acq: 5 Aug 2016 21:41

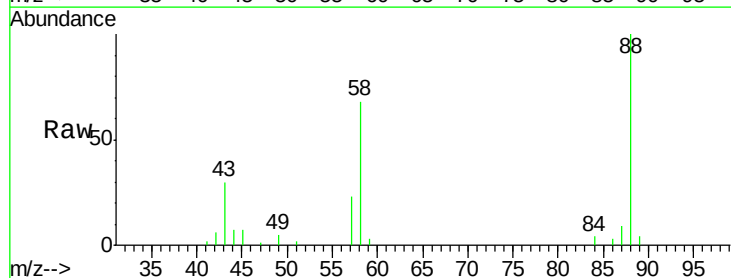
Tgt Ion: 88 Resp: 48616

Ion Ratio Lower Upper

88 100

58 68.9 49.8 74.8

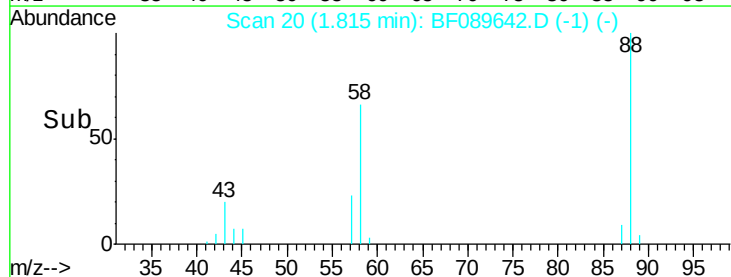
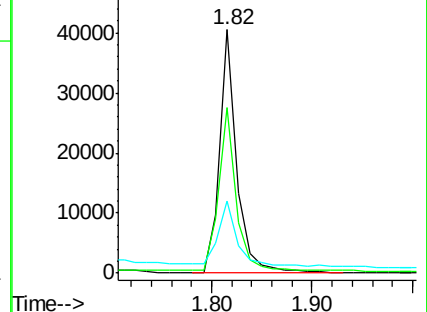
43 34.0 20.1 30.1#

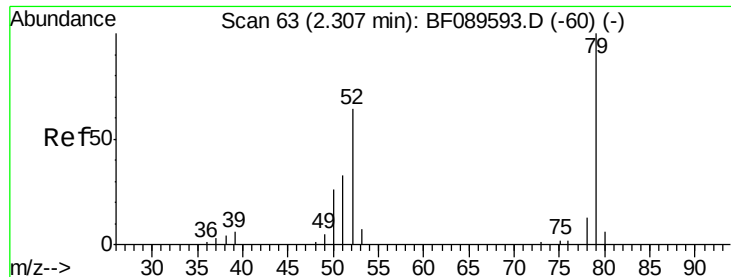


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 49.46 ng

RT: 2.38 min Scan# 69

Delta R.T. 0.07 min

Lab File: BF089642.D

Acq: 5 Aug 2016 21:41

Instrument :

BNA_F

ClientSampleId :

LOCATION-46D-9-11MS

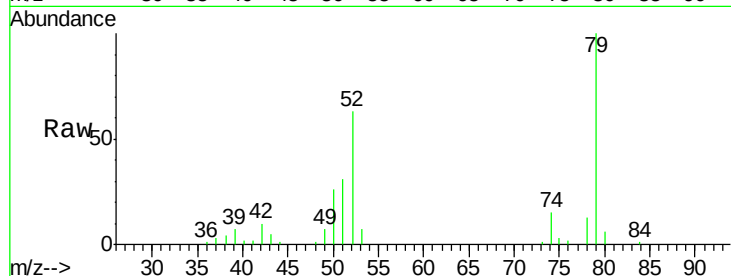
Tgt Ion: 79 Resp: 136145

Ion Ratio Lower Upper

79 100

52 62.8 51.0 76.4

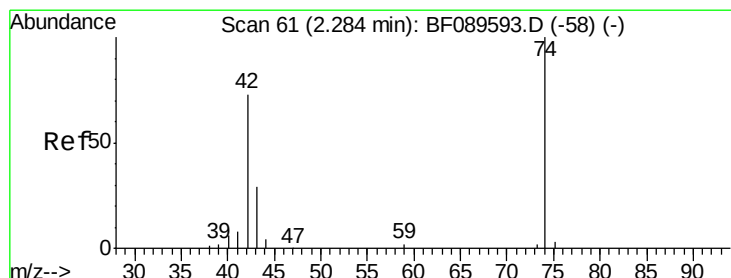
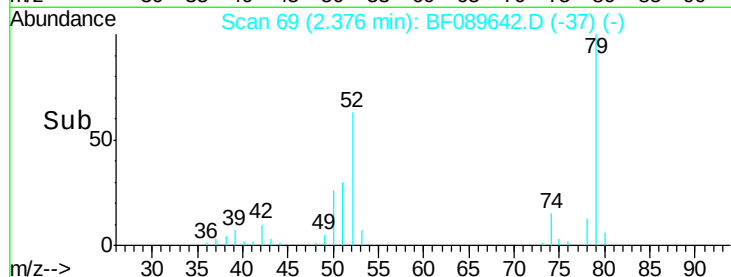
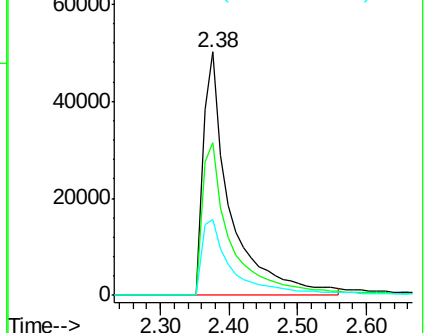
51 31.1 27.9 41.9



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 49.31 ng

RT: 2.35 min Scan# 67

Delta R.T. 0.07 min

Lab File: BF089642.D

Acq: 5 Aug 2016 21:41

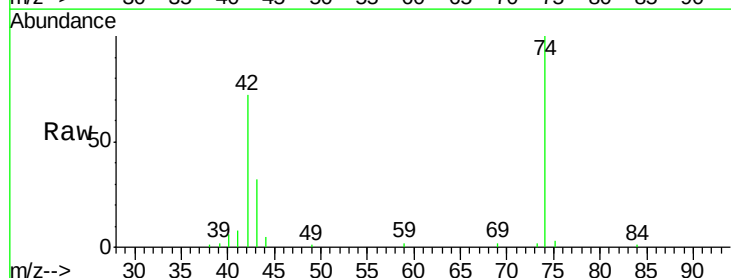
Tgt Ion: 42 Resp: 59475

Ion Ratio Lower Upper

42 100

74 138.0 110.0 165.0

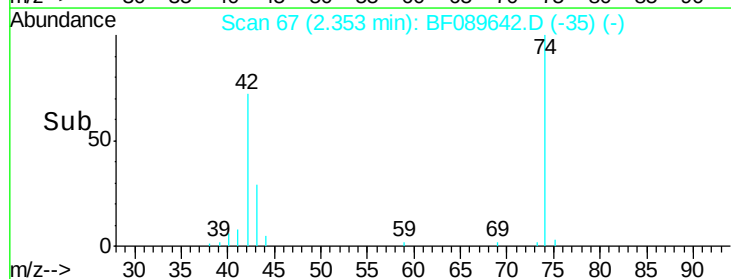
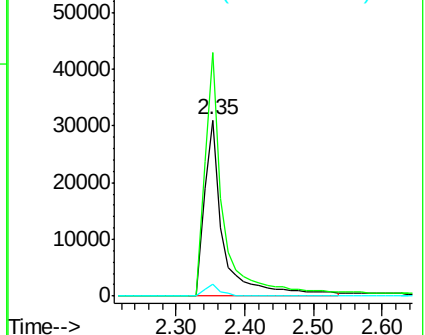
44 7.0 4.8 7.2

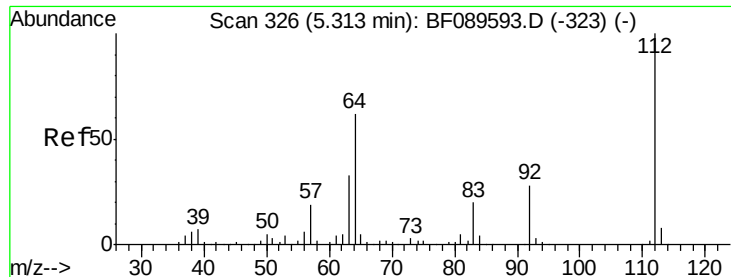


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0

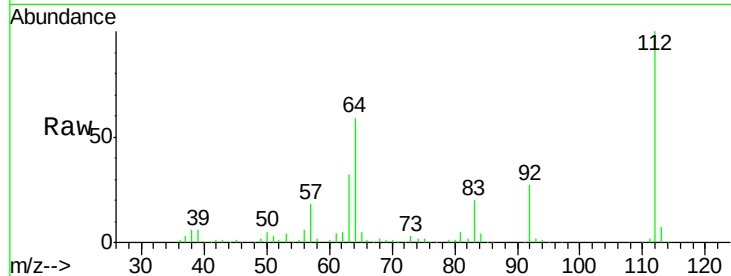




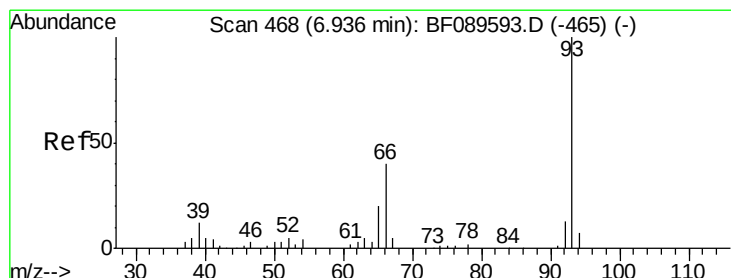
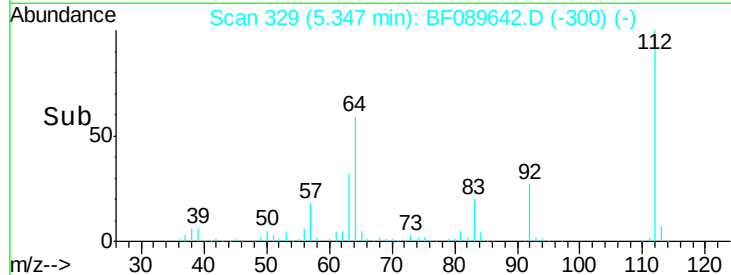
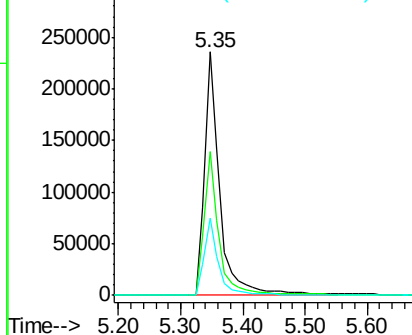
#5
 2-Fluorophenol
 Concen: 155.29 ng
 RT: 5.35 min Scan# 329
 Delta R.T. 0.04 min
 Lab File: BF089642.D
 Acq: 5 Aug 2016 21:41

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46D-9-11MS

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	49.9	74.9
63	31.6	26.1	39.1

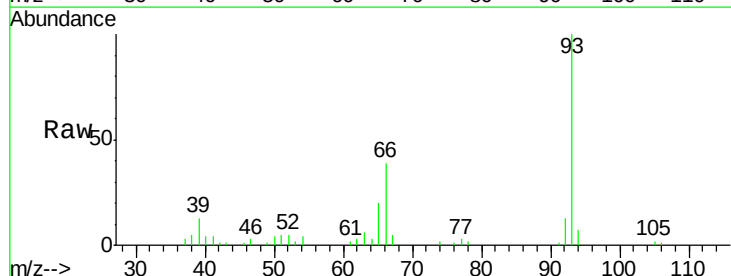


Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0

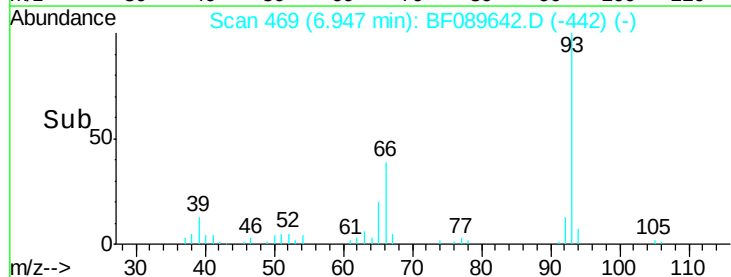
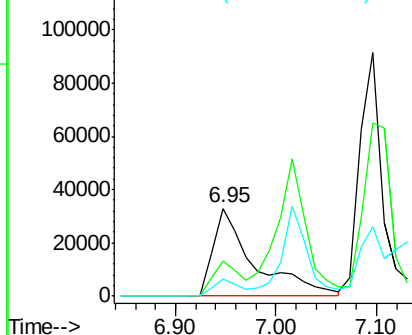


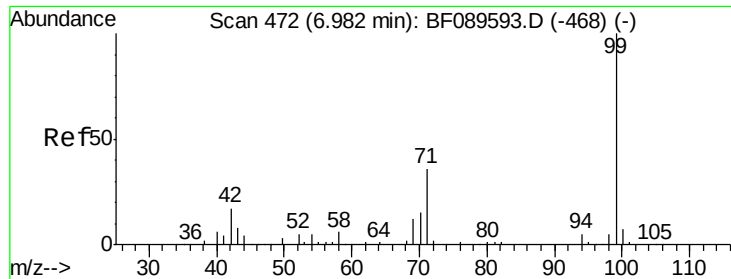
#6
 Aniline
 Concen: 20.30 ng
 RT: 6.95 min Scan# 469
 Delta R.T. 0.01 min
 Lab File: BF089642.D
 Acq: 5 Aug 2016 21:41

Tgt Ion	Ratio	Lower	Upper
93	100		
66	39.4	32.2	48.2
65	19.9	15.8	23.8



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: 146.92 ng

RT: 7.00 min Scan# 474

Delta R.T. 0.02 min

Lab File: BF089642.D

Acq: 5 Aug 2016 21:41

Instrument :

BNA_F

ClientSampleId :

LOCATION-46D-9-11MS

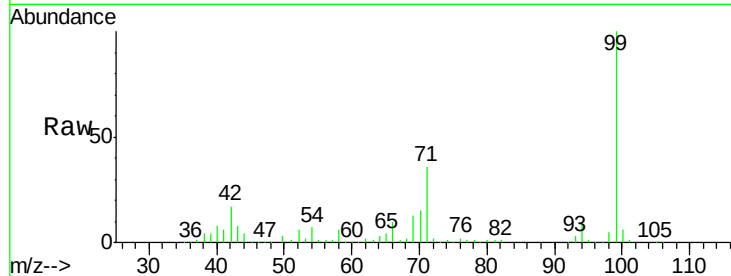
Tgt Ion: 99 Resp: 520785

Ion Ratio Lower Upper

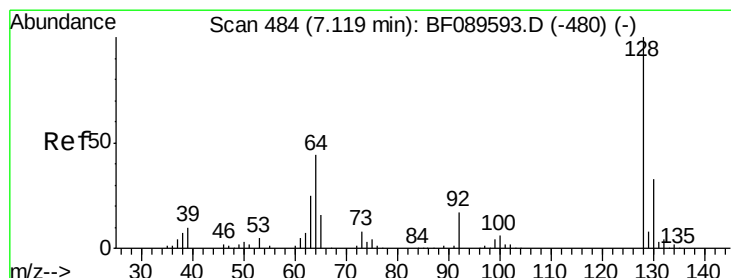
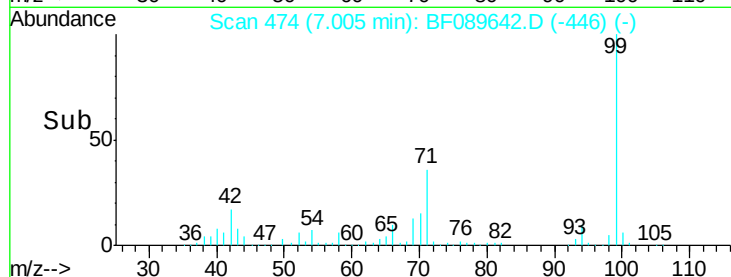
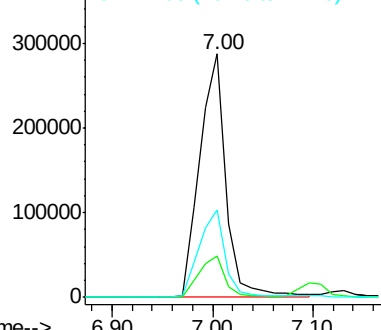
99 100

42 17.1 13.7 20.5

71 36.0 29.0 43.4



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 51.62 ng

RT: 7.13 min Scan# 485

Delta R.T. 0.01 min

Lab File: BF089642.D

Acq: 5 Aug 2016 21:41

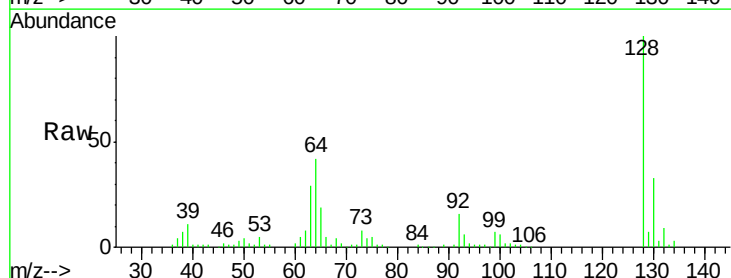
Tgt Ion: 128 Resp: 165585

Ion Ratio Lower Upper

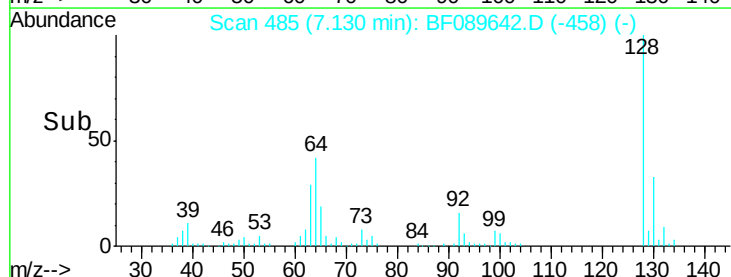
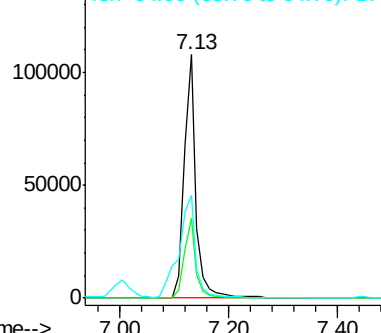
128 100

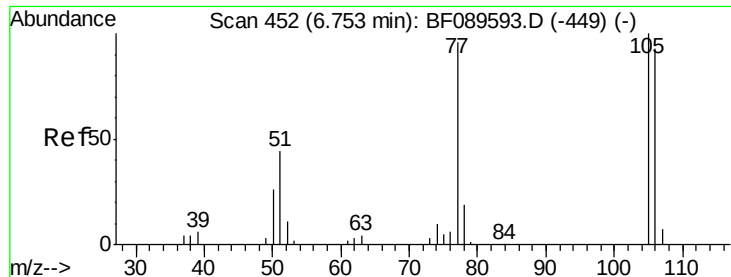
130 32.6 12.6 52.6

64 42.0 25.3 65.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0

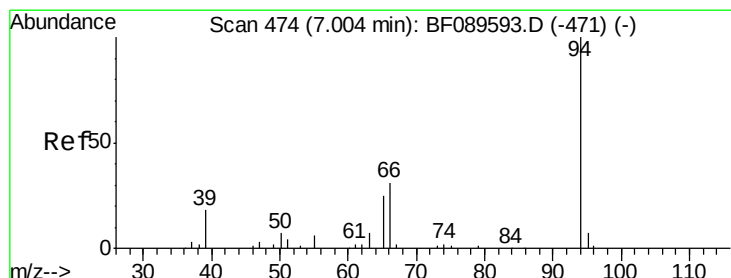
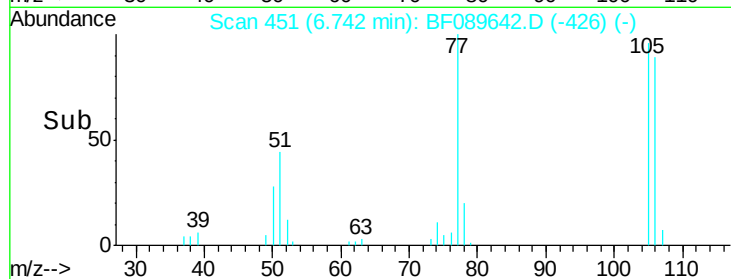
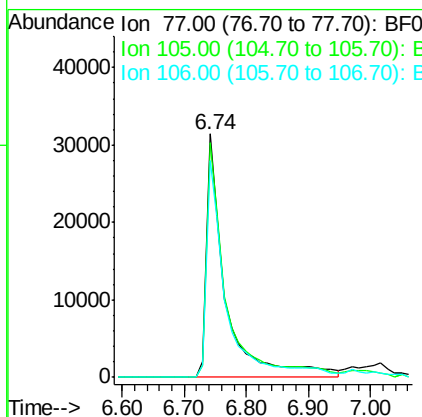
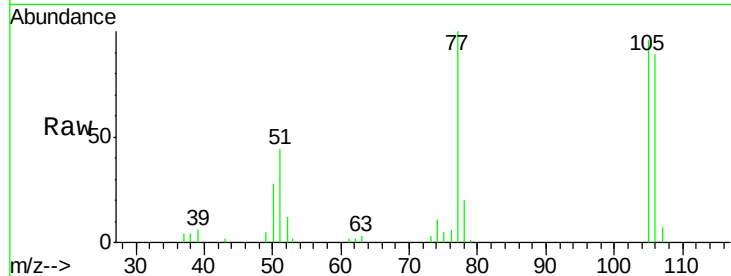




#9
Benzaldehyde
Concen: 52.12 ng
RT: 6.74 min Scan# 451
Delta R.T. -0.01 min
Lab File: BF089642.D
Acq: 5 Aug 2016 21:41

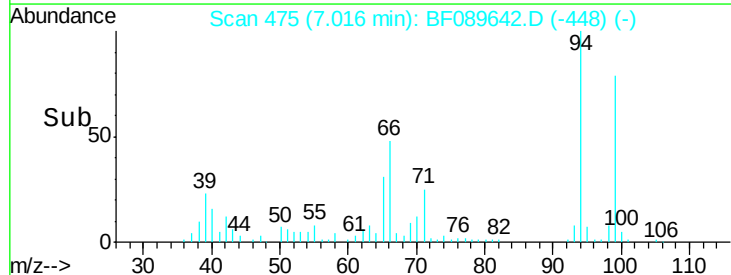
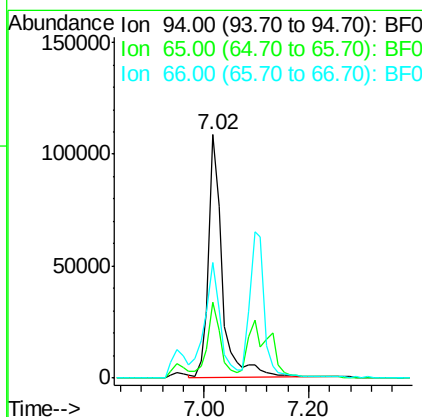
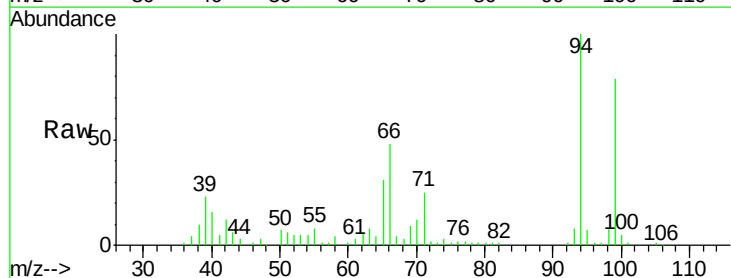
Instrument :
BNA_F
ClientSampleId :
LOCATION-46D-9-11MS

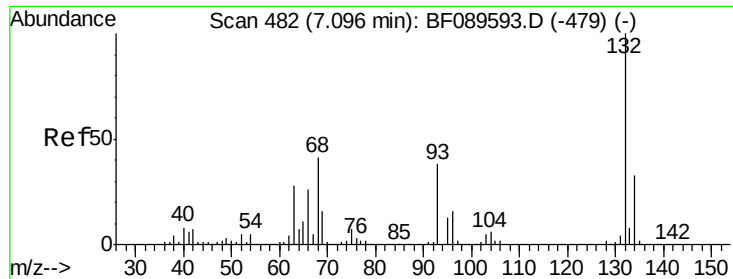
Tgt Ion: 77 Resp: 67032
Ion Ratio Lower Upper
77 100
105 96.5 84.7 124.7
106 88.9 77.1 117.1



#10
Phenol
Concen: 54.96 ng
RT: 7.02 min Scan# 475
Delta R.T. 0.01 min
Lab File: BF089642.D
Acq: 5 Aug 2016 21:41

Tgt Ion: 94 Resp: 200021
Ion Ratio Lower Upper
94 100
65 31.2 11.0 51.0
66 47.5 27.4 67.4





#11

bis(2-Chloroethyl)ether

Concen: 48.20 ng

RT: 7.10 min Scan# 482

Delta R.T. 0.00 min

Lab File: BF089642.D

Acq: 5 Aug 2016 21:41

Instrument :

BNA_F

ClientSampleId :

LOCATION-46D-9-11MS

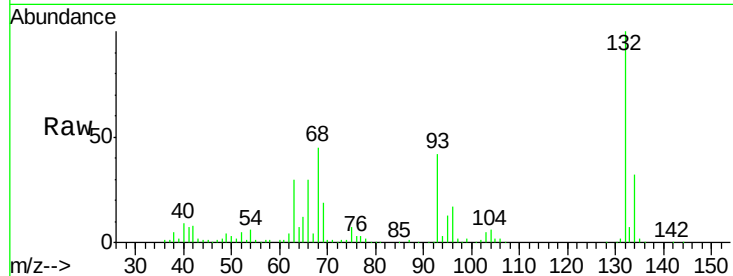
Tgt Ion: 93 Resp: 150712

Ion Ratio Lower Upper

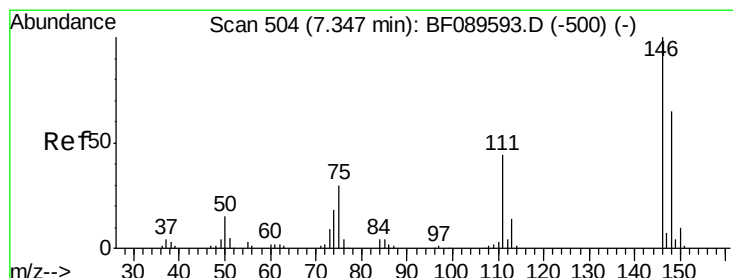
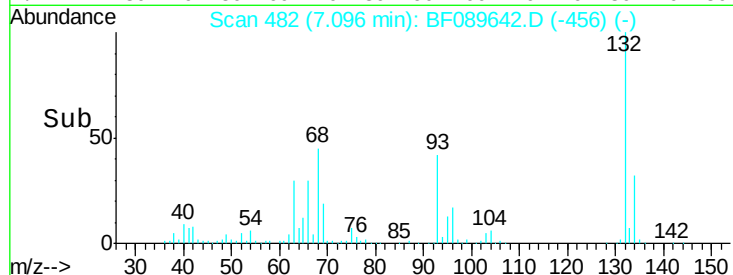
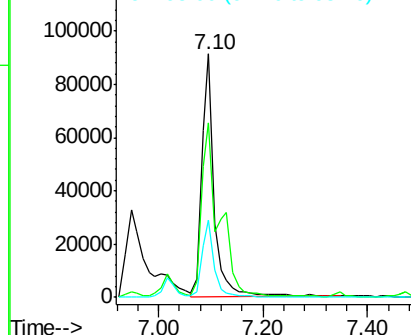
93 100

63 71.5 52.2 92.2

95 31.8 13.1 53.1



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 63.00 (62.70 to 63.70): BF0
Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 47.14 ng

RT: 7.35 min Scan# 504

Delta R.T. 0.00 min

Lab File: BF089642.D

Acq: 5 Aug 2016 21:41

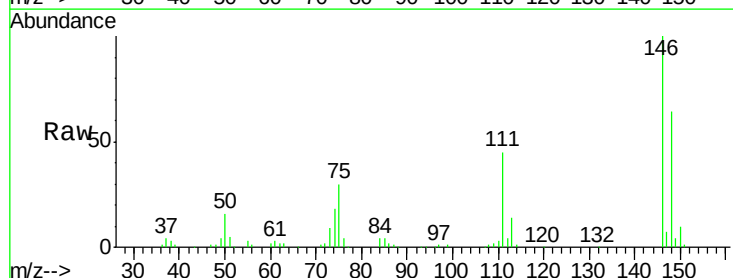
Tgt Ion: 146 Resp: 164263

Ion Ratio Lower Upper

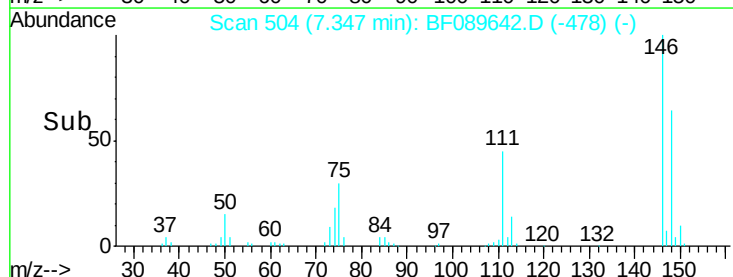
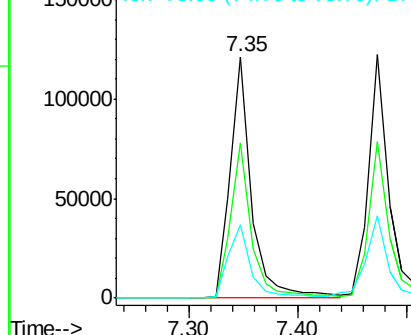
146 100

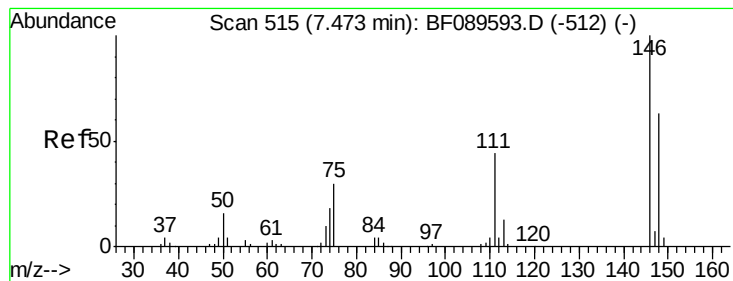
148 64.1 52.1 78.1

75 30.4 24.1 36.1



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





#13

1,4-Dichlorobenzene

Concen: 46.68 ng

RT: 7.47 min Scan# 515

Delta R.T. 0.00 min

Lab File: BF089642.D

Acq: 5 Aug 2016 21:41

Instrument :

BNA_F

ClientSampleId :

LOCATION-46D-9-11MS

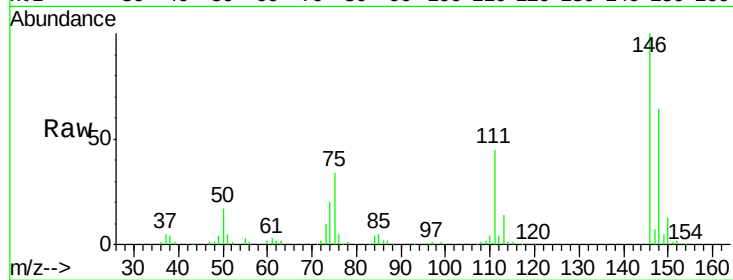
Tgt Ion:146 Resp: 162207

Ion Ratio Lower Upper

146 100

148 64.1 50.4 75.6

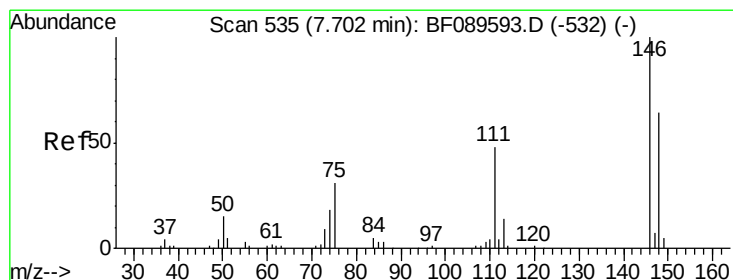
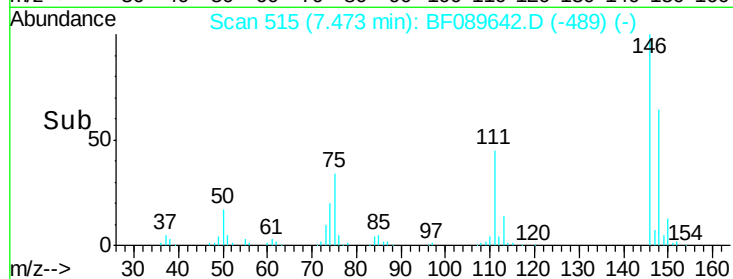
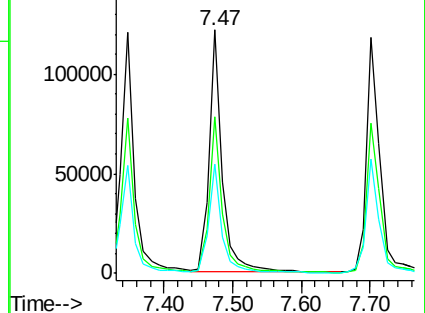
111 45.0 35.0 52.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 43.76 ng

RT: 7.70 min Scan# 535

Delta R.T. 0.00 min

Lab File: BF089642.D

Acq: 5 Aug 2016 21:41

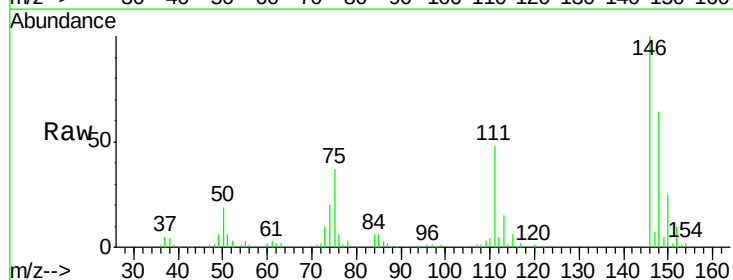
Tgt Ion:146 Resp: 160282

Ion Ratio Lower Upper

146 100

148 63.9 51.0 76.6

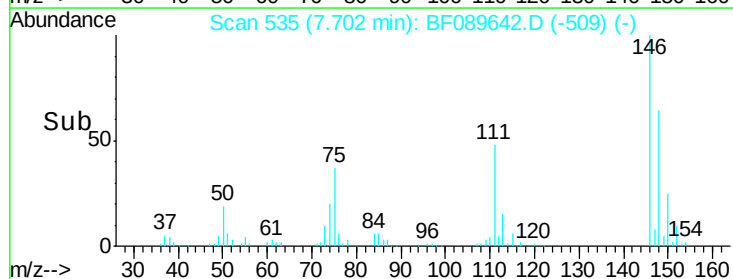
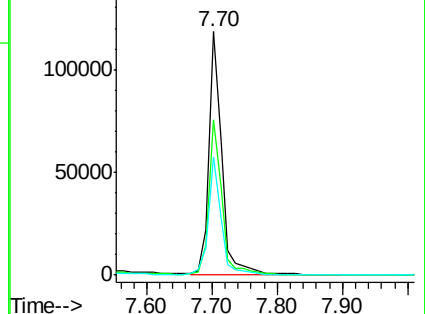
111 48.3 38.5 57.7

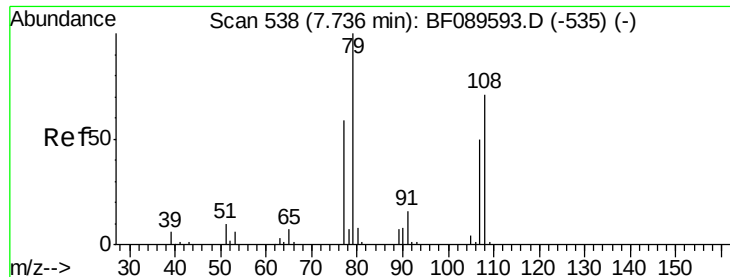


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 60.21 ng

RT: 7.74 min Scan# 538

Delta R.T. 0.00 min

Lab File: BF089642.D

Acq: 5 Aug 2016 21:41

Instrument :

BNA_F

ClientSampleId :

LOCATION-46D-9-11MS

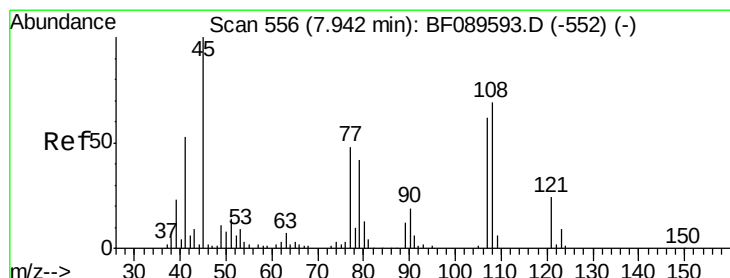
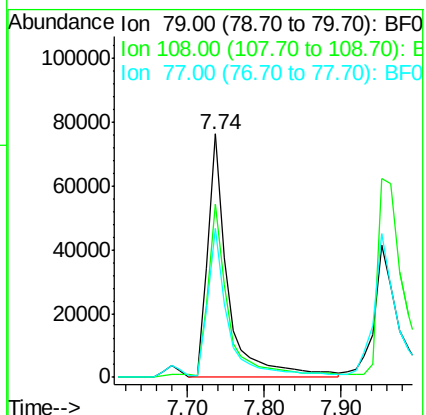
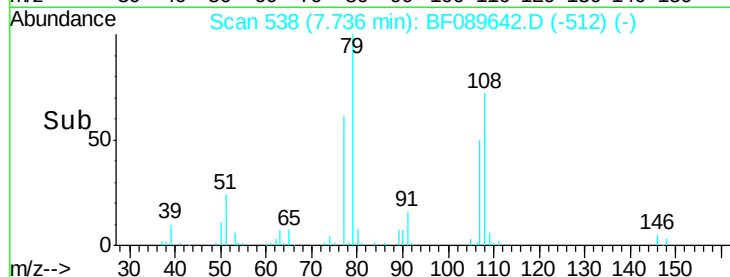
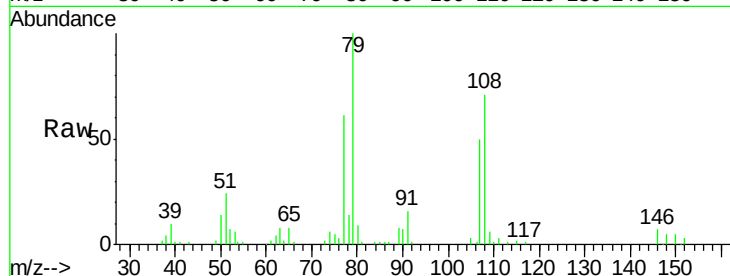
Tgt Ion: 79 Resp: 139939

Ion Ratio Lower Upper

79 100

108 71.3 58.3 87.5

77 61.3 48.7 73.1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 46.51 ng

RT: 7.95 min Scan# 557

Delta R.T. 0.01 min

Lab File: BF089642.D

Acq: 5 Aug 2016 21:41

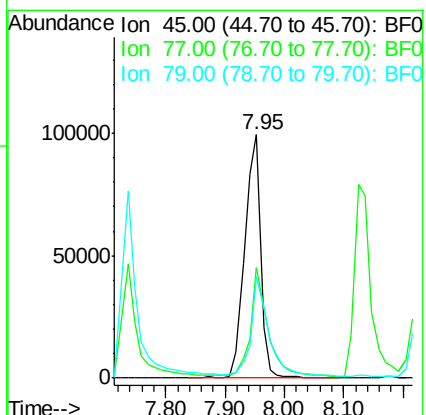
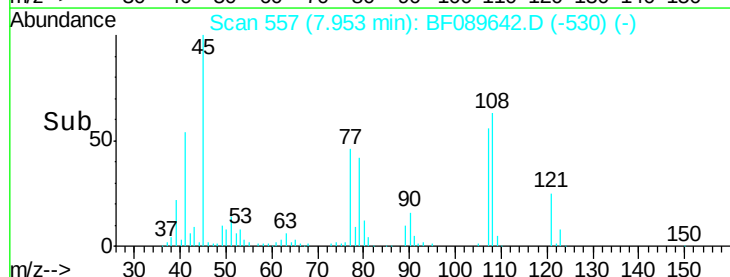
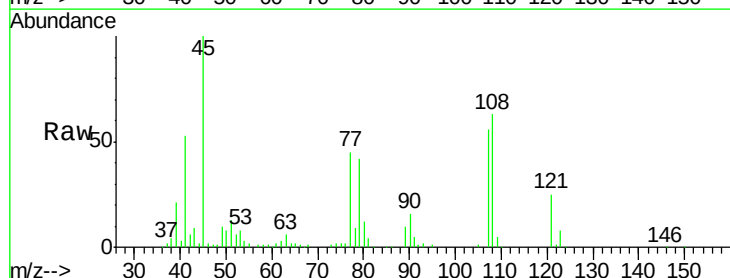
Tgt Ion: 45 Resp: 185198

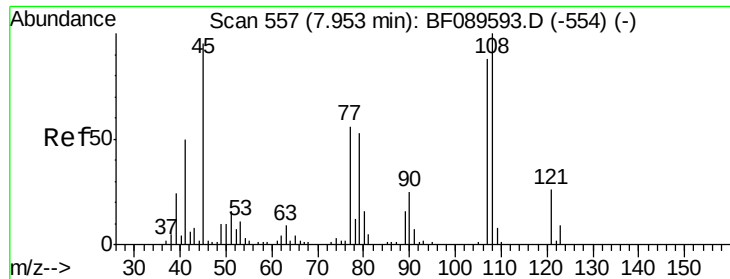
Ion Ratio Lower Upper

45 100

77 45.4 30.1 70.1

79 41.6 25.5 65.5

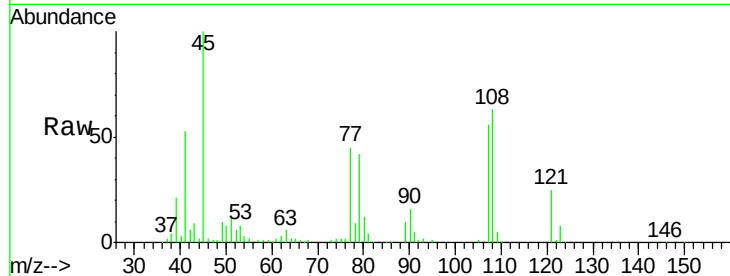




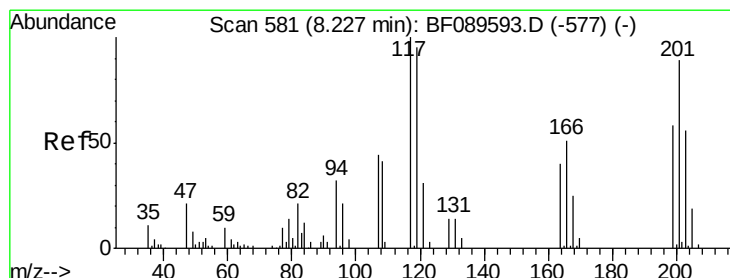
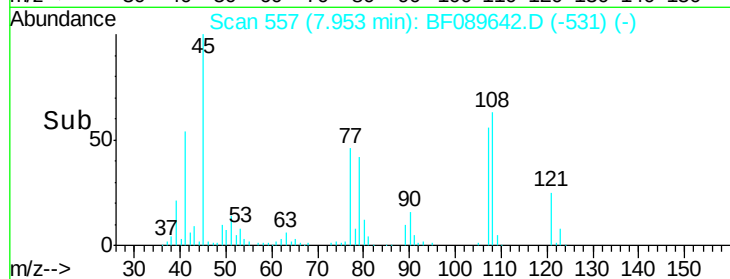
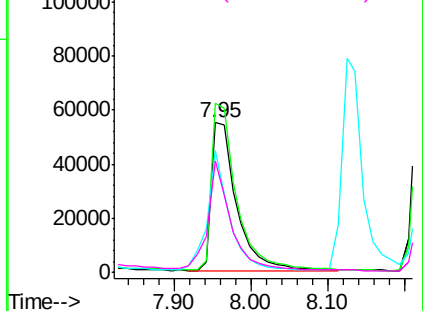
#17
2-Methylphenol
Concen: 54.34 ng
RT: 7.95 min Scan# 557
Delta R.T. 0.00 min
Lab File: BF089642.D
Acq: 5 Aug 2016 21:41

Instrument :
BNA_F
ClientSampleId :
LOCATION-46D-9-11MS

Tgt Ion:	107	Resp:	125901
Ion	Ratio	Lower	Upper
107	100		
108	113.0	91.2	136.8
77	81.5	54.6	82.0
79	74.6	52.7	79.1

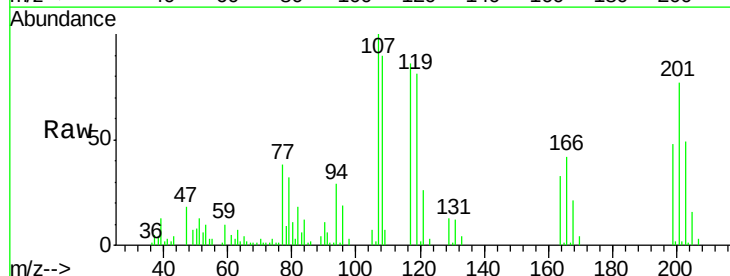


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

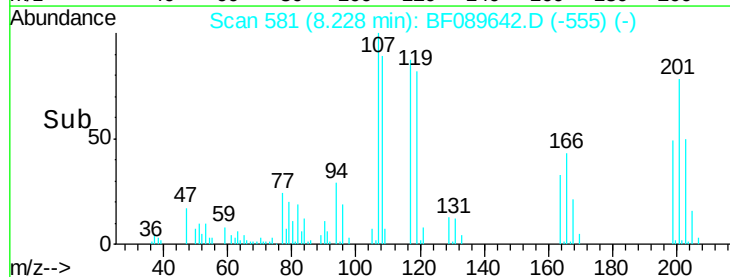
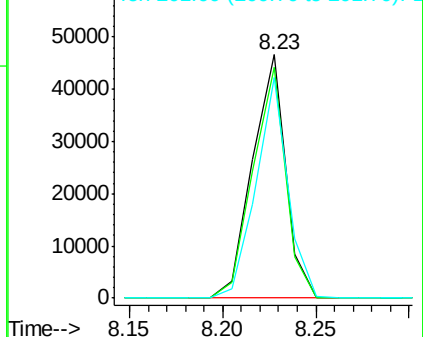


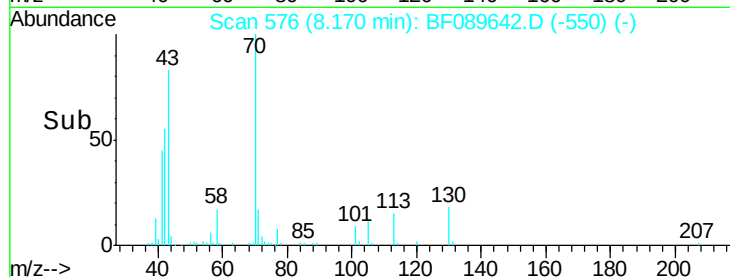
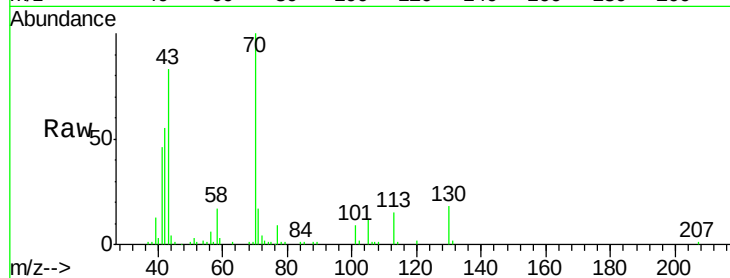
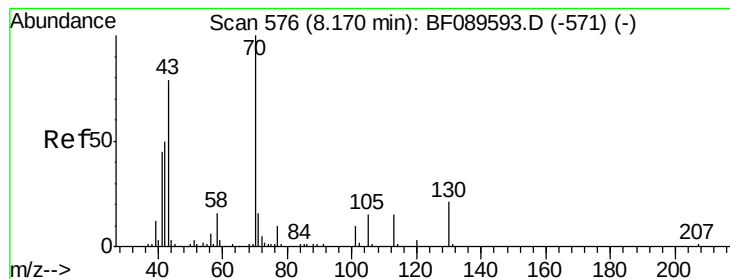
#18
Hexachloroethane
Concen: 39.69 ng
RT: 8.23 min Scan# 581
Delta R.T. 0.00 min
Lab File: BF089642.D
Acq: 5 Aug 2016 21:41

Tgt Ion:	117	Resp:	58120
Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.7	113.5
201	90.4	71.6	107.4



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: 48.66 ng

RT: 8.17 min Scan# 576

Delta R.T. 0.00 min

Lab File: BF089642.D

Acq: 5 Aug 2016 21:41

Instrument :

BNA_F

ClientSampleId :

LOCATION-46D-9-11MS

Tgt Ion: 70 Resp: 124599

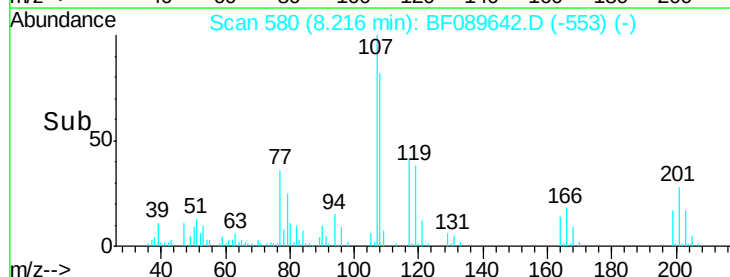
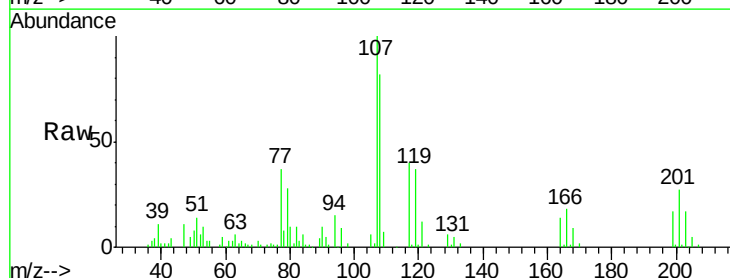
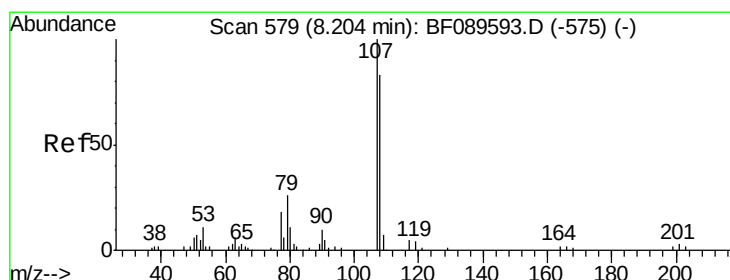
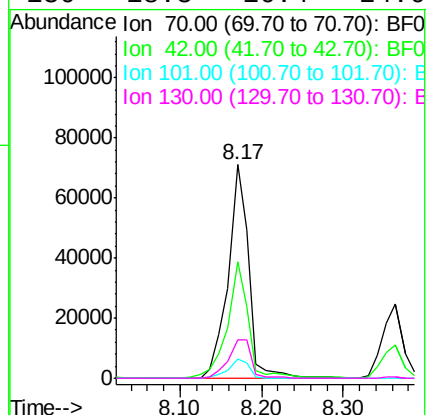
Ion Ratio Lower Upper

70 100

42 54.8 40.2 60.2

101 9.0 7.8 11.6

130 18.3 16.4 24.6



#20

3+4-Methylphenols

Concen: 56.31 ng

RT: 8.22 min Scan# 580

Delta R.T. 0.01 min

Lab File: BF089642.D

Acq: 5 Aug 2016 21:41

Tgt Ion: 107 Resp: 164666

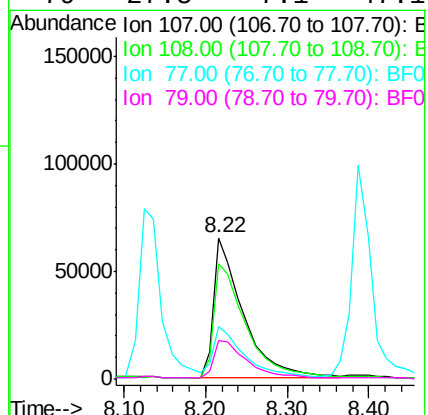
Ion Ratio Lower Upper

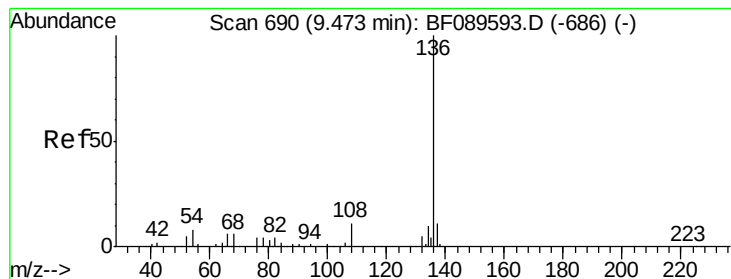
107 100

108 82.2 63.8 103.8

77 37.3 19.5 59.5

79 27.5 7.1 47.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.47 min Scan# 690

Delta R.T. 0.00 min

Lab File: BF089642.D

Acq: 5 Aug 2016 21:41

Instrument :

BNA_F

ClientSampleId :

LOCATION-46D-9-11MS

Tgt Ion:136 Resp: 179609

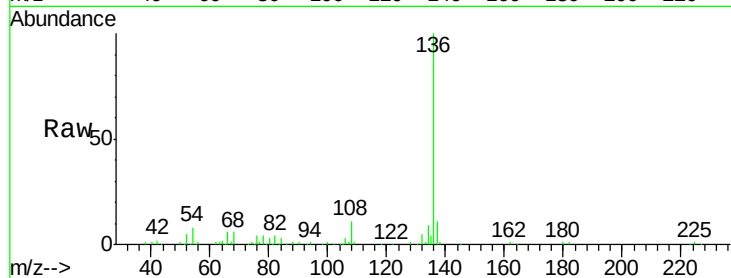
Ion Ratio Lower Upper

136 100

137 11.1 8.6 12.8

54 8.2 6.0 9.0

68 6.3 4.6 6.8

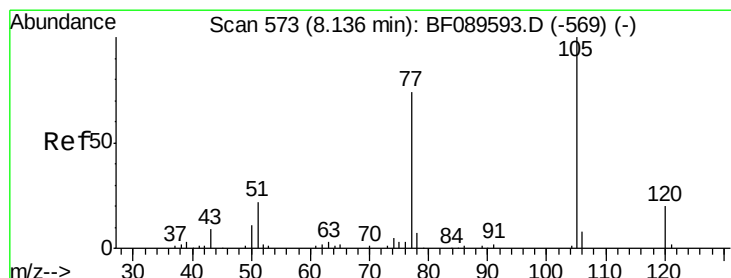
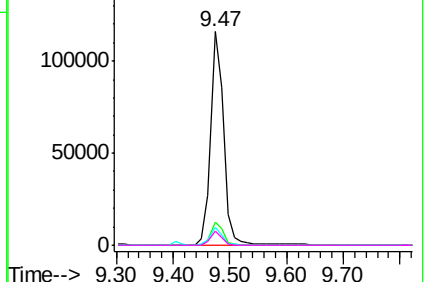
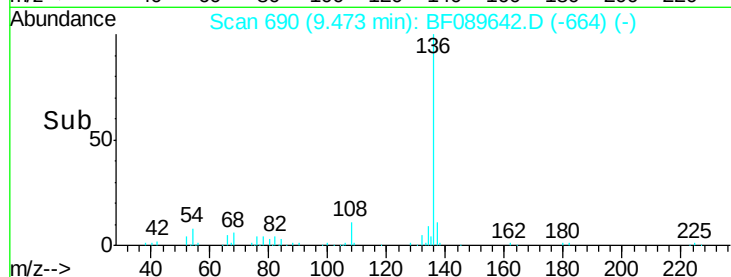


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 46.45 ng

RT: 8.12 min Scan# 572

Delta R.T. -0.01 min

Lab File: BF089642.D

Acq: 5 Aug 2016 21:41

Tgt Ion:105 Resp: 198867

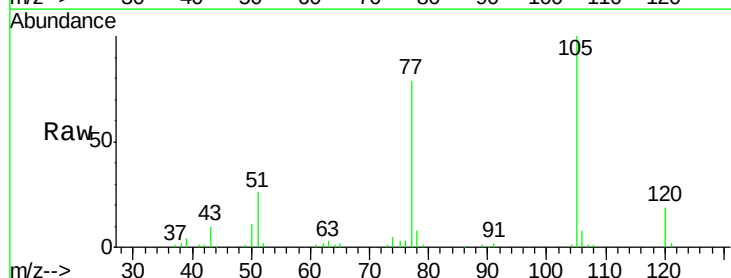
Ion Ratio Lower Upper

105 100

71 0.0 0.0 0.0

51 26.1 18.2 27.2

120 18.6 15.7 23.5

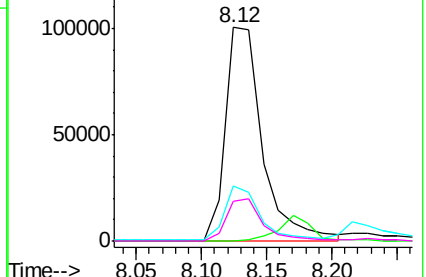
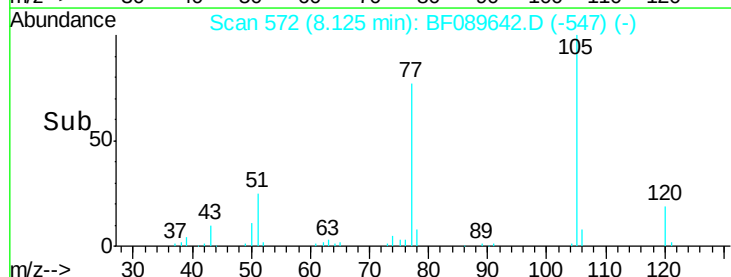


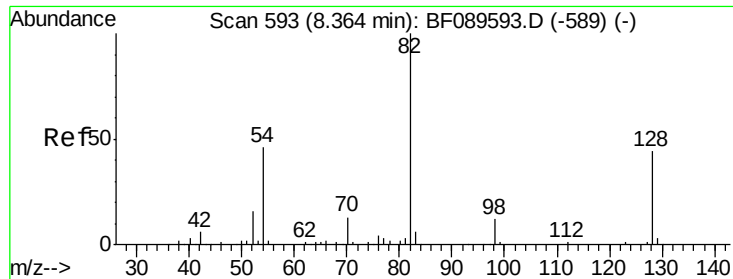
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

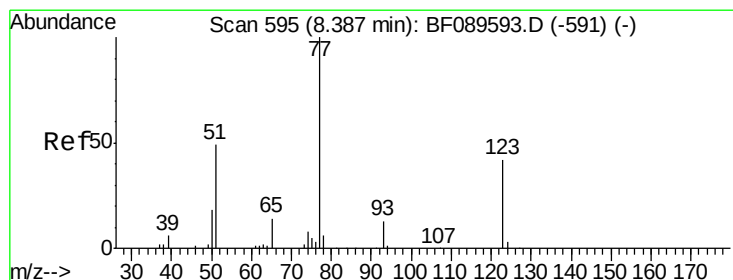
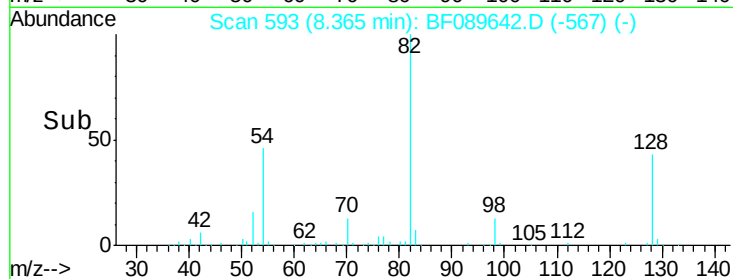
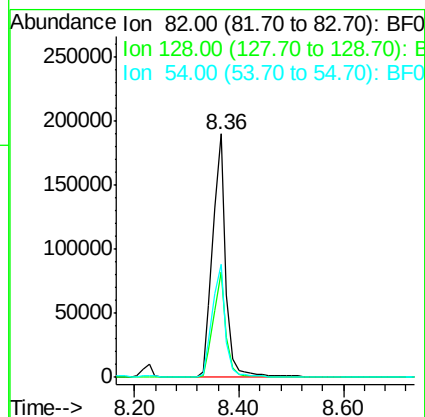
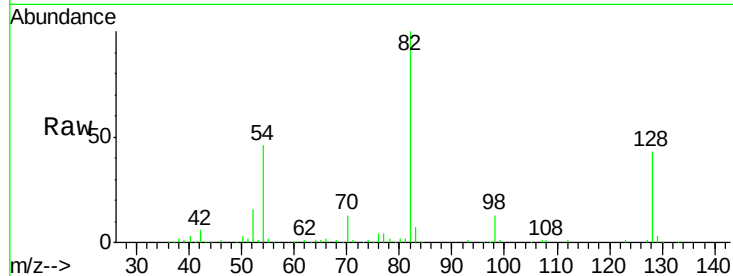




#23
 Nitrobenzene-d5
 Concen: 103.62 ng
 RT: 8.36 min Scan# 593
 Delta R.T. 0.00 min
 Lab File: BF089642.D
 Acq: 5 Aug 2016 21:41

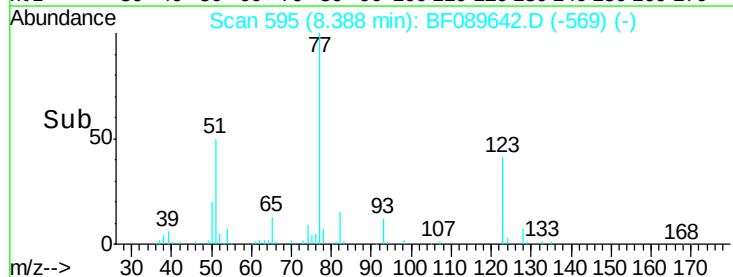
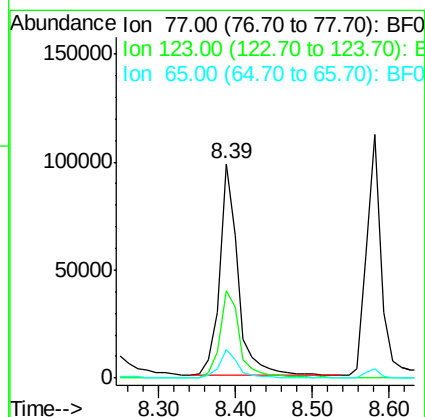
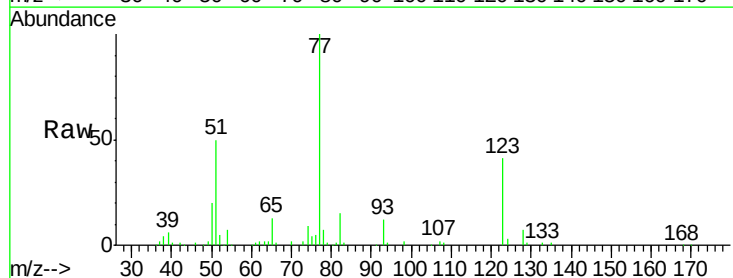
Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46D-9-11MS

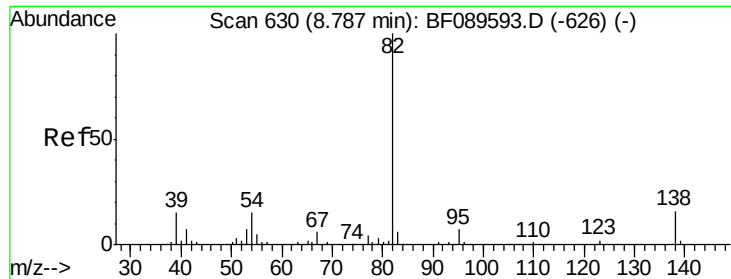
Tgt Ion: 82 Resp: 336488
 Ion Ratio Lower Upper
 82 100
 128 43.1 35.4 53.0
 54 46.4 36.4 54.6



#24
 Nitrobenzene
 Concen: 53.07 ng
 RT: 8.39 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: BF089642.D
 Acq: 5 Aug 2016 21:41

Tgt Ion: 77 Resp: 163676
 Ion Ratio Lower Upper
 77 100
 123 40.7 32.6 49.0
 65 13.3 11.0 16.6





#25

Isophorone

Concen: 50.83 ng

RT: 8.79 min Scan# 630

Delta R.T. 0.00 min

Lab File: BF089642.D

Acq: 5 Aug 2016 21:41

Instrument :

BNA_F

ClientSampleId :

LOCATION-46D-9-11MS

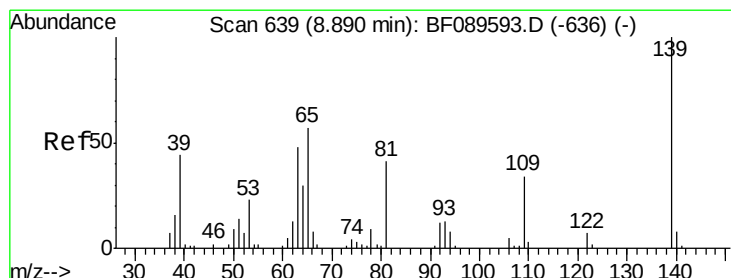
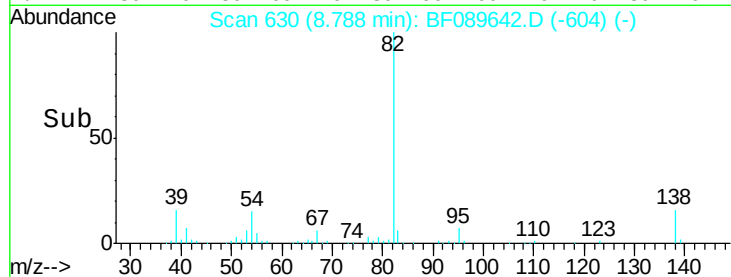
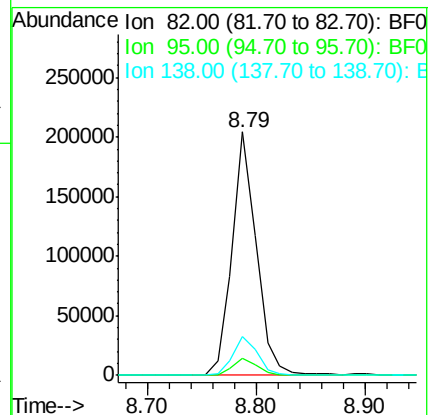
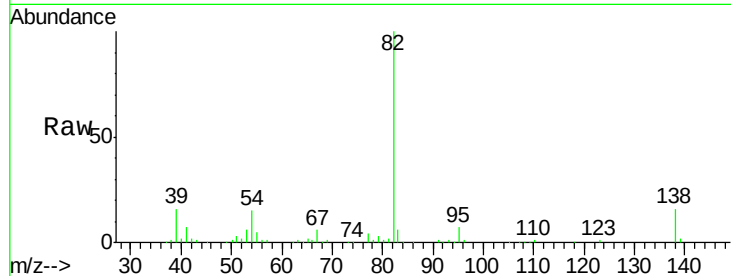
Tgt Ion: 82 Resp: 316073

Ion Ratio Lower Upper

82 100

95 7.2 5.8 8.8

138 15.8 12.6 18.8



#26

2-Nitrophenol

Concen: 54.28 ng

RT: 8.89 min Scan# 639

Delta R.T. 0.00 min

Lab File: BF089642.D

Acq: 5 Aug 2016 21:41

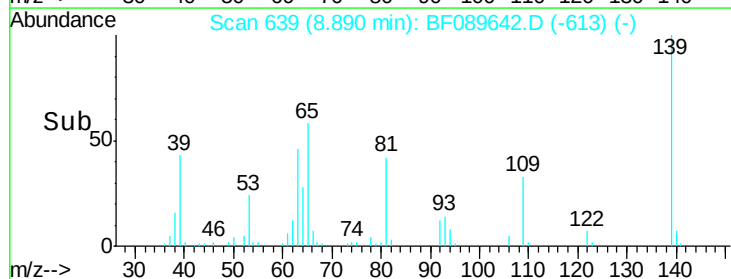
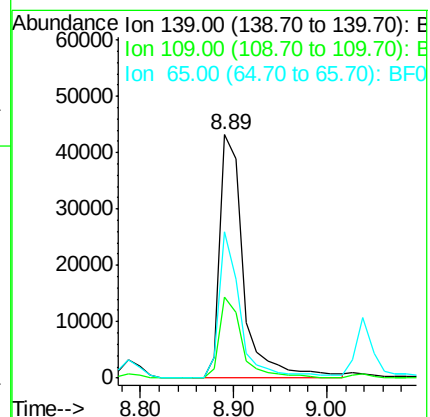
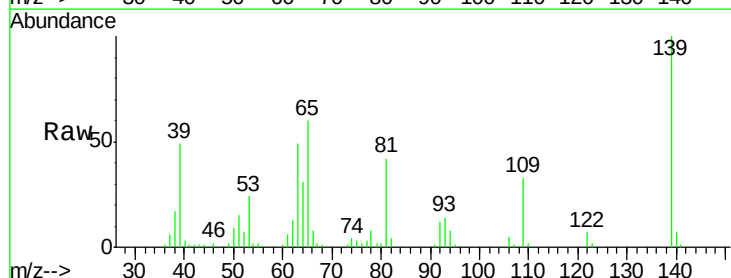
Tgt Ion: 139 Resp: 76827

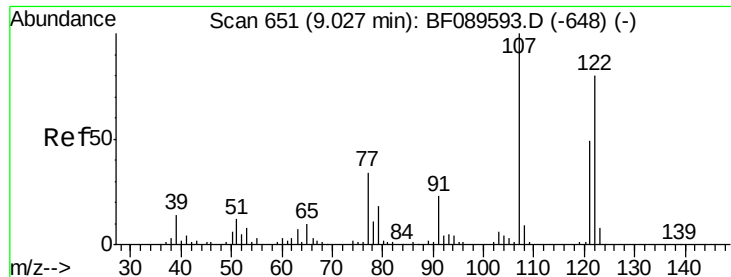
Ion Ratio Lower Upper

139 100

109 33.3 27.5 41.3

65 60.0 45.7 68.5





#27

2,4-Dimethylphenol

Concen: 52.69 ng

RT: 9.04 min Scan# 652

Delta R.T. 0.01 min

Lab File: BF089642.D

Acq: 5 Aug 2016 21:41

Instrument :

BNA_F

ClientSampleId :

LOCATION-46D-9-11MS

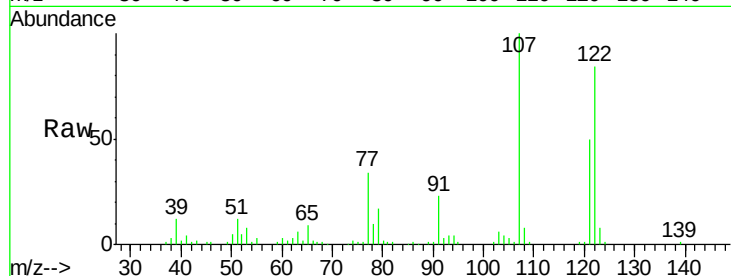
Tgt Ion:122 Resp: 134092

Ion Ratio Lower Upper

122 100

107 119.7 99.5 149.3

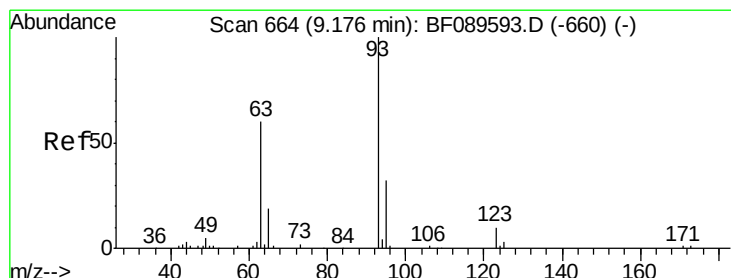
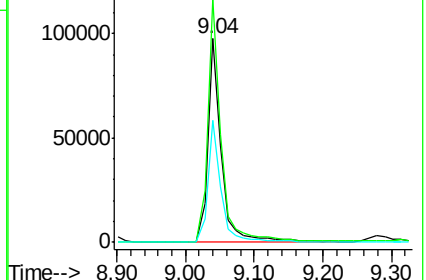
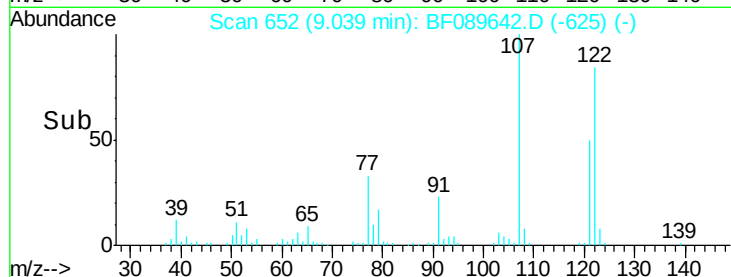
121 59.9 48.5 72.7



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: 52.56 ng

RT: 9.18 min Scan# 664

Delta R.T. 0.00 min

Lab File: BF089642.D

Acq: 5 Aug 2016 21:41

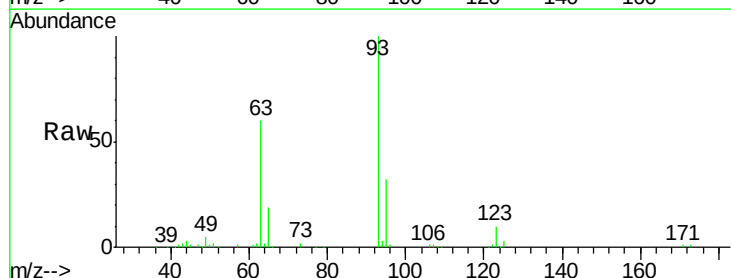
Tgt Ion: 93 Resp: 197728

Ion Ratio Lower Upper

93 100

95 32.1 25.8 38.8

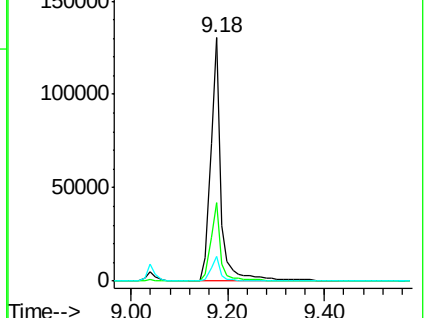
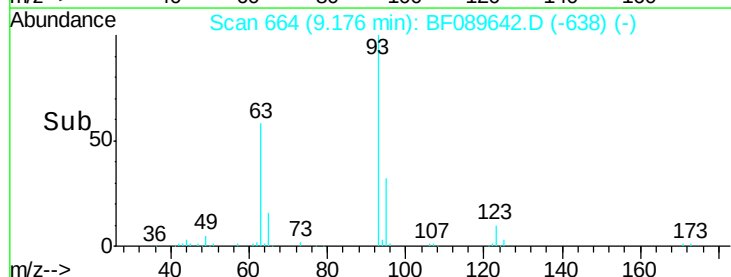
123 10.3 8.0 12.0

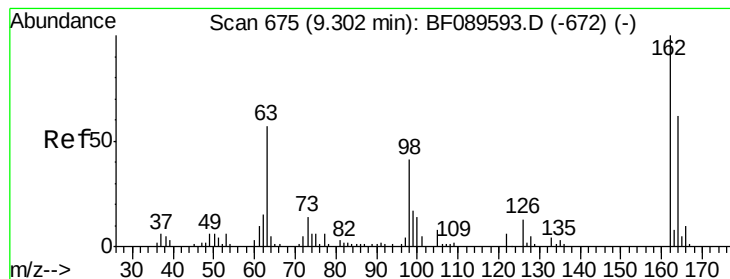


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 50.89 ng

RT: 9.31 min Scan# 676

Delta R.T. 0.01 min

Lab File: BF089642.D

Acq: 5 Aug 2016 21:41

Instrument :

BNA_F

ClientSampleId :

LOCATION-46D-9-11MS

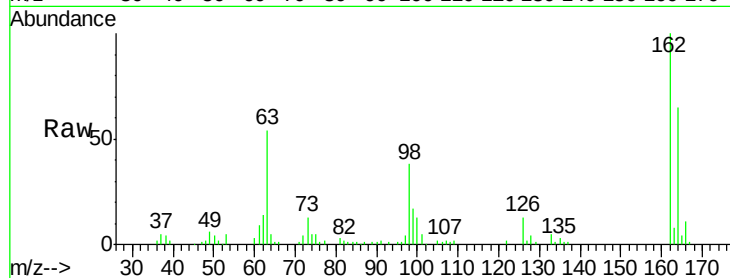
Tgt Ion:162 Resp: 122545

Ion Ratio Lower Upper

162 100

164 64.8 42.3 82.3

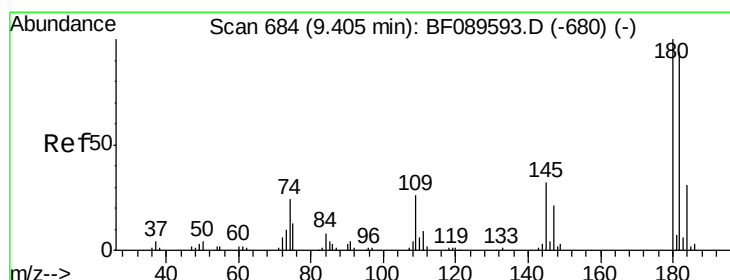
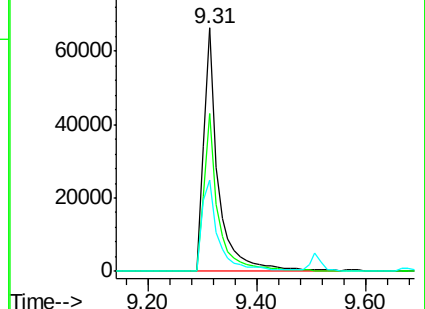
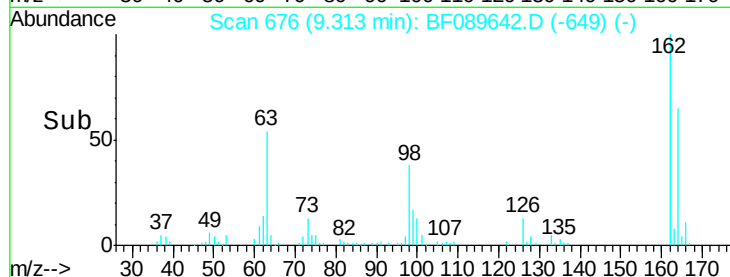
98 37.5 21.2 61.2



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: 48.03 ng

RT: 9.40 min Scan# 684

Delta R.T. 0.00 min

Lab File: BF089642.D

Acq: 5 Aug 2016 21:41

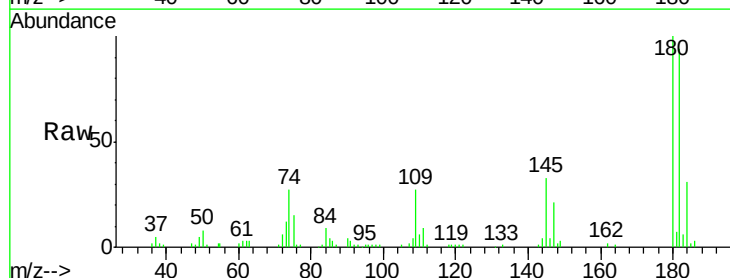
Tgt Ion:180 Resp: 132084

Ion Ratio Lower Upper

180 100

182 94.4 75.0 112.6

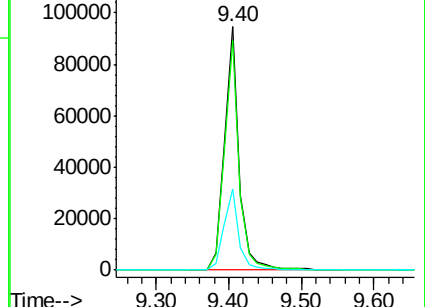
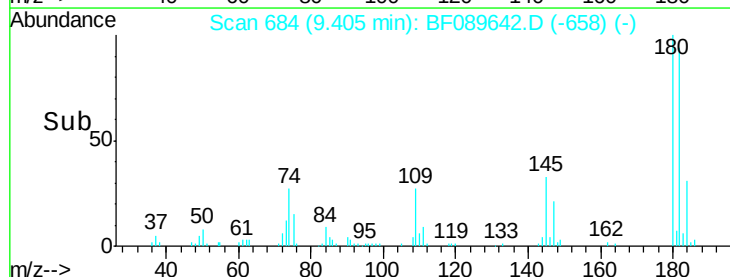
145 33.0 25.6 38.4

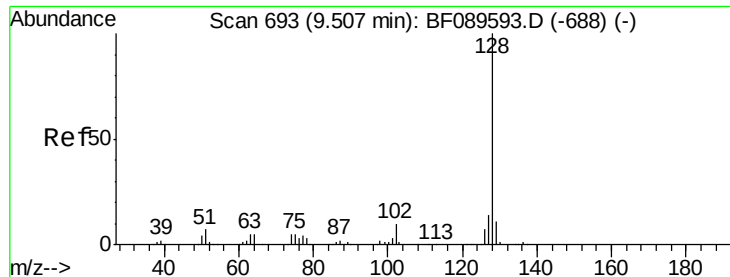


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

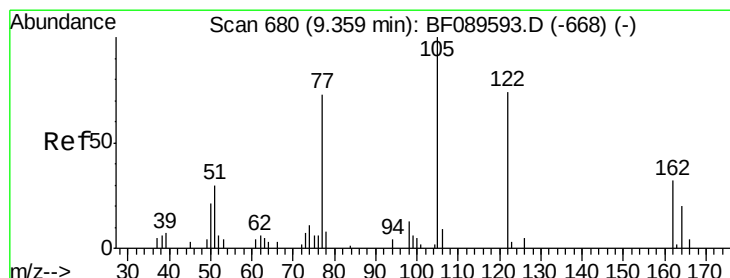
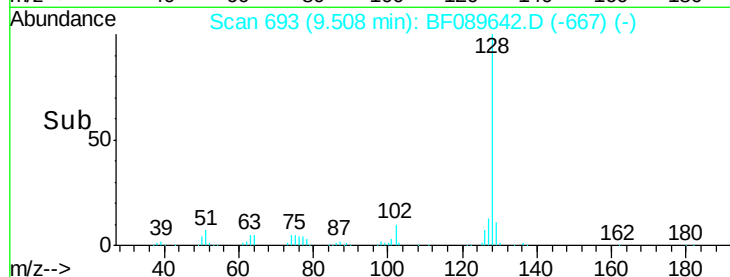
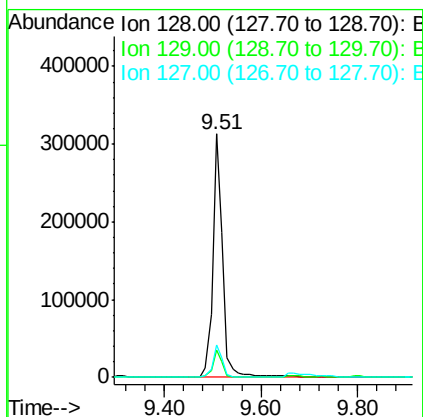
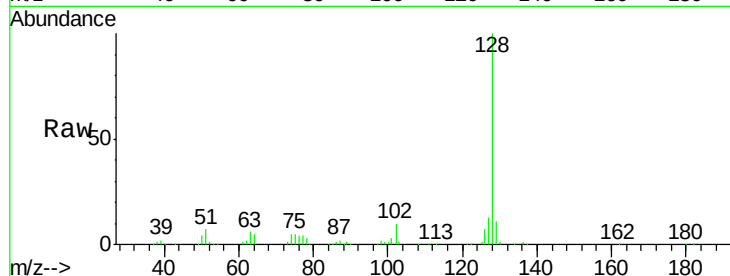




#31
Naphthalene
Concen: 47.71 ng
RT: 9.51 min Scan# 693
Delta R.T. 0.00 min
Lab File: BF089642.D
Acq: 5 Aug 2016 21:41

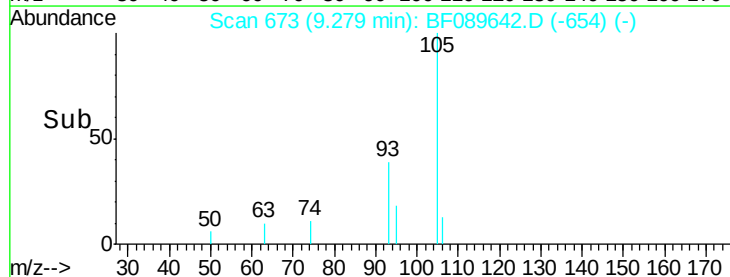
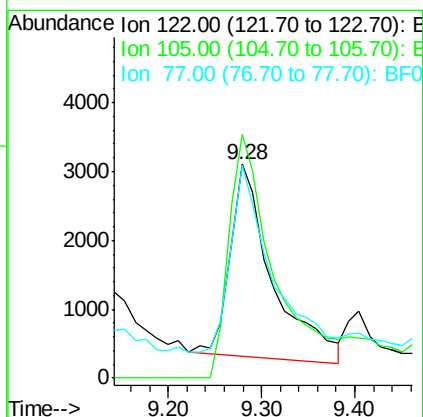
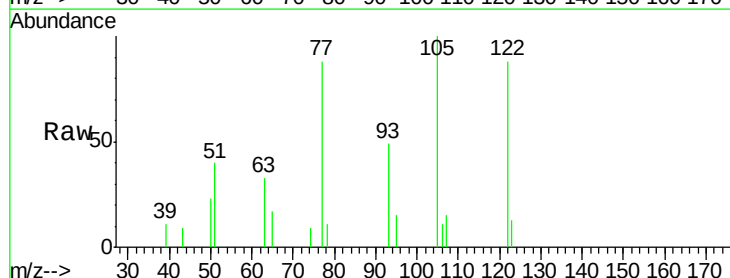
Instrument :
BNA_F
ClientSampleId :
LOCATION-46D-9-11MS

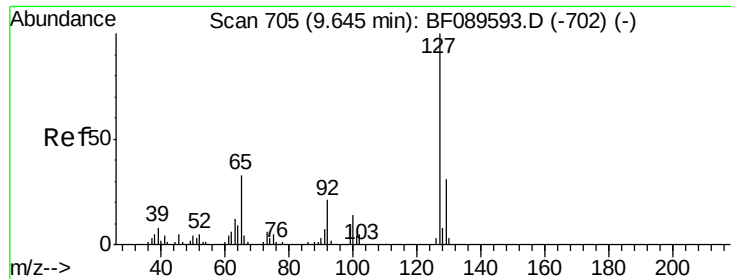
Tgt Ion:128 Resp: 455495
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 13.5 10.9 16.3



#32
Benzoic acid
Concen: 5.54 ng
RT: 9.28 min Scan# 673
Delta R.T. -0.08 min
Lab File: BF089642.D
Acq: 5 Aug 2016 21:41

Tgt Ion:122 Resp: 8860
Ion Ratio Lower Upper
122 100
105 113.9 109.9 149.9
77 99.7 77.5 117.5

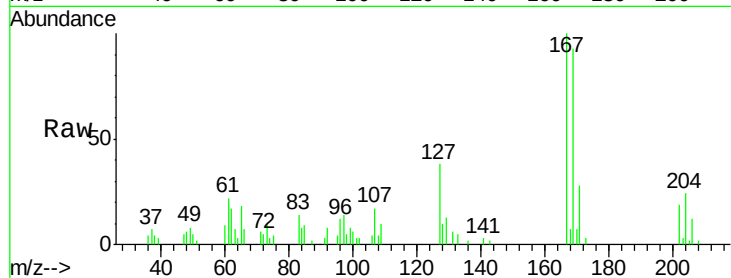




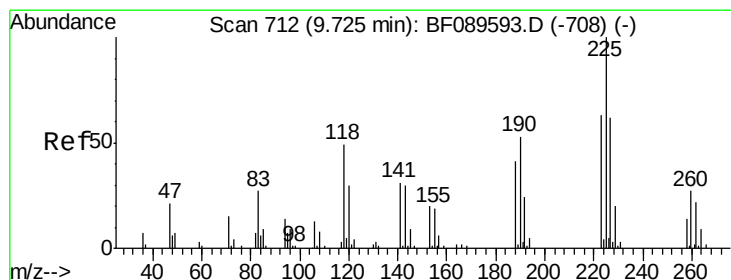
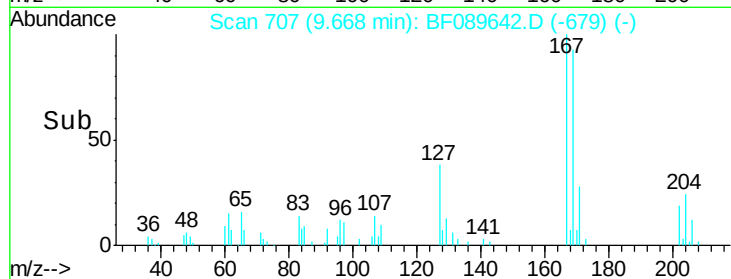
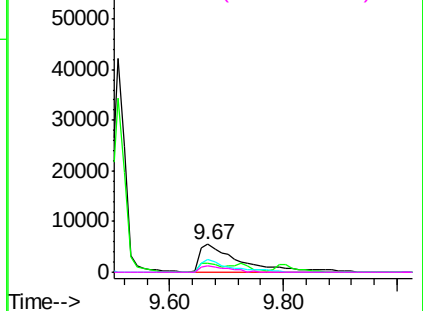
#33
 4-Chloroaniline
 Concen: 7.61 ng
 RT: 9.67 min Scan# 707
 Delta R.T. 0.02 min
 Lab File: BF089642.D
 Acq: 5 Aug 2016 21:41

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46D-9-11MS

Tgt Ion:	127	Resp:	27267
Ion	Ratio	Lower	Upper
127	100		
129	33.8	25.1	37.7
65	47.0	26.2	39.2#
92	20.8	16.9	25.3

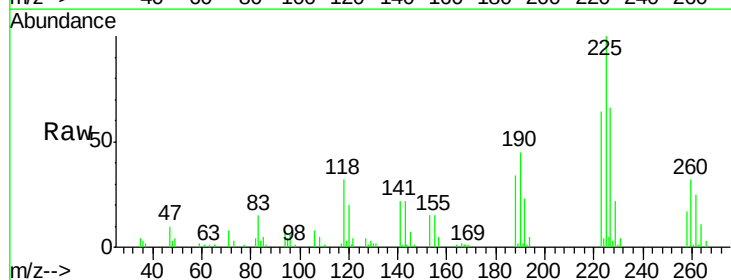


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0

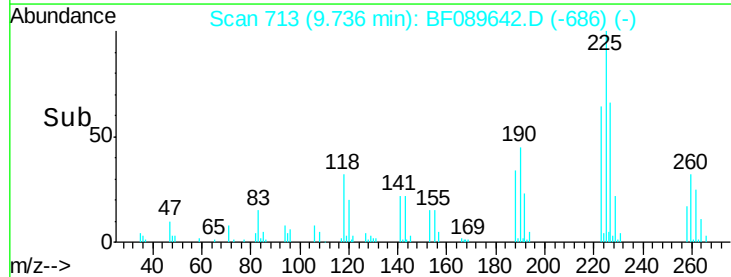
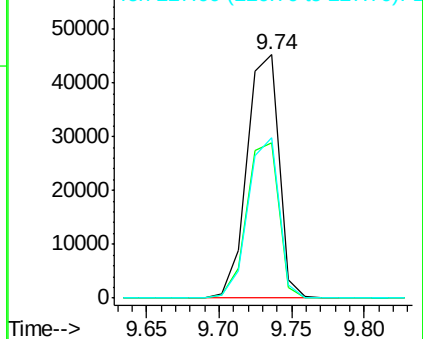


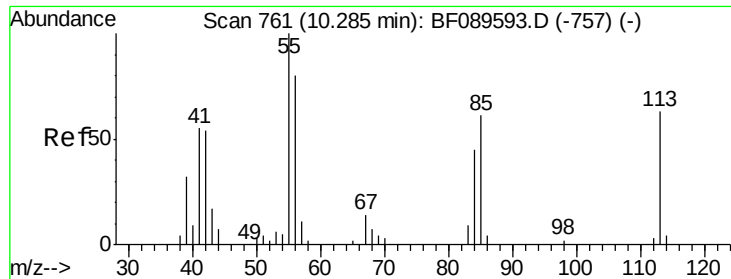
#34
 Hexachlorobutadiene
 Concen: 43.63 ng
 RT: 9.74 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: BF089642.D
 Acq: 5 Aug 2016 21:41

Tgt Ion:	225	Resp:	69085
Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.7	76.1
227	65.9	49.4	74.0



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

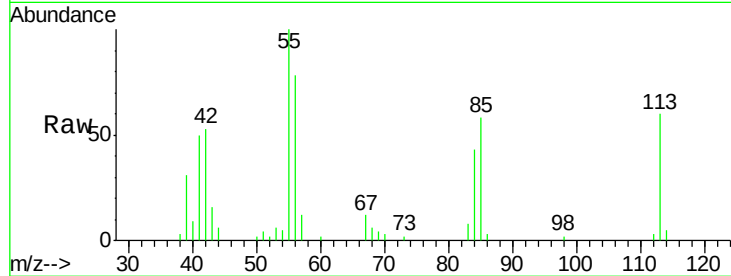




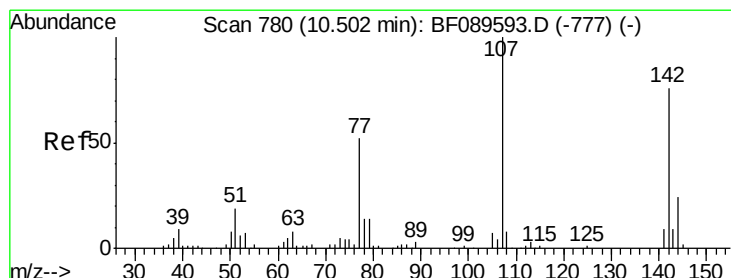
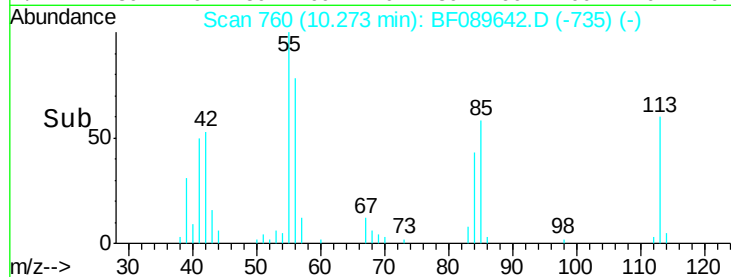
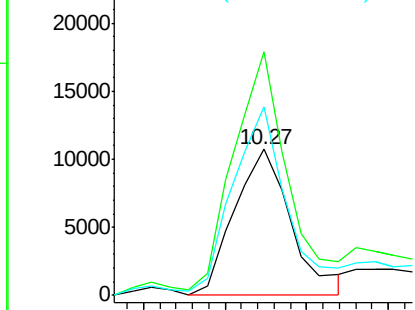
#35
 Caprolactam
 Concen: 37.01 ng
 RT: 10.27 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BF089642.D
 Acq: 5 Aug 2016 21:41

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46D-9-11MS

Tgt Ion:113 Resp: 25971
 Ion Ratio Lower Upper
 113 100
 55 166.8 139.6 179.6
 56 129.6 108.2 148.2

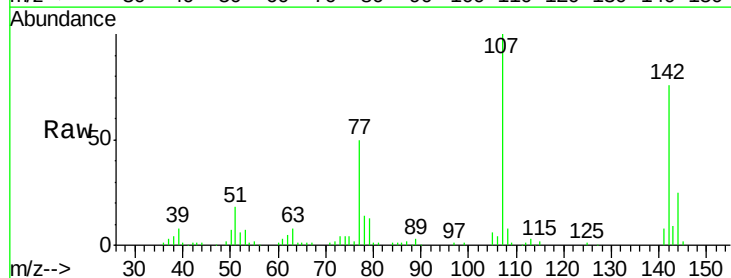


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

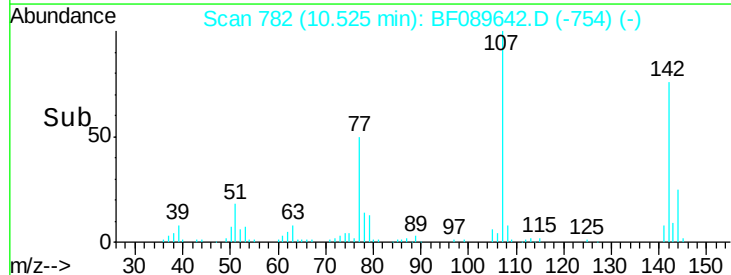
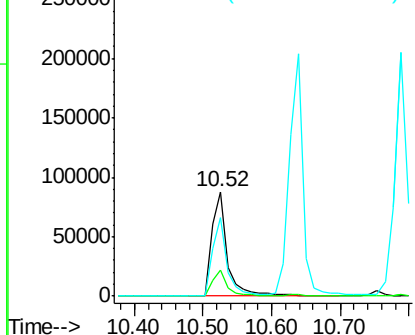


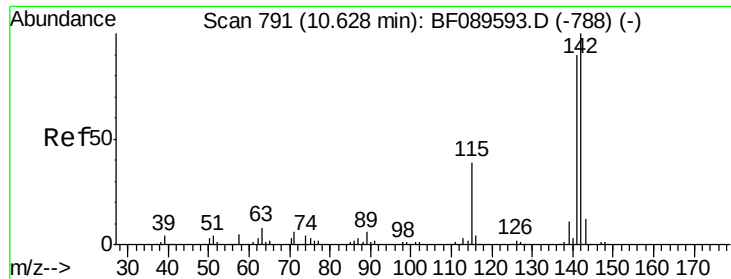
#36
 4-Chloro-3-methylphenol
 Concen: 49.98 ng
 RT: 10.52 min Scan# 782
 Delta R.T. 0.02 min
 Lab File: BF089642.D
 Acq: 5 Aug 2016 21:41

Tgt Ion:107 Resp: 139894
 Ion Ratio Lower Upper
 107 100
 144 24.7 18.9 28.3
 142 75.8 60.4 90.6



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

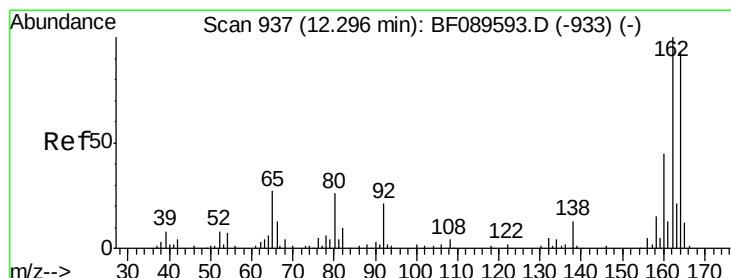
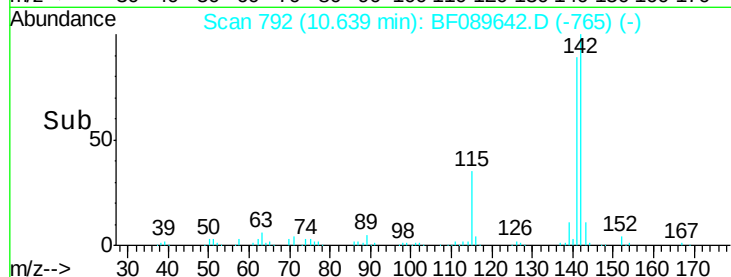
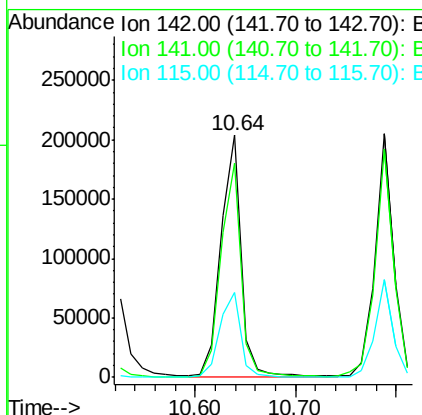
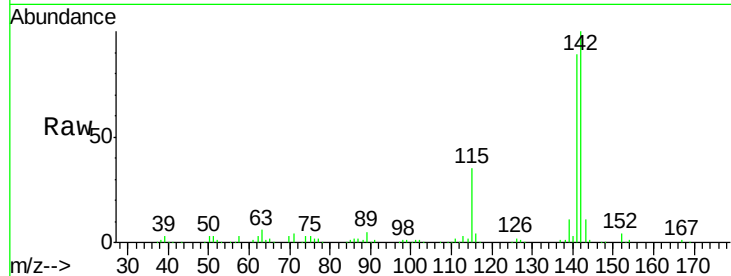




#37
2-Methylnaphthalene
Concen: 48.26 ng
RT: 10.64 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF089642.D
Acq: 5 Aug 2016 21:41

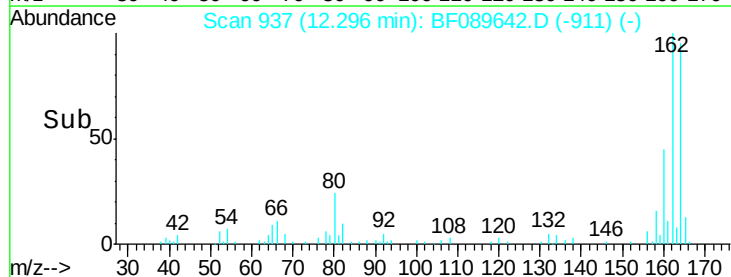
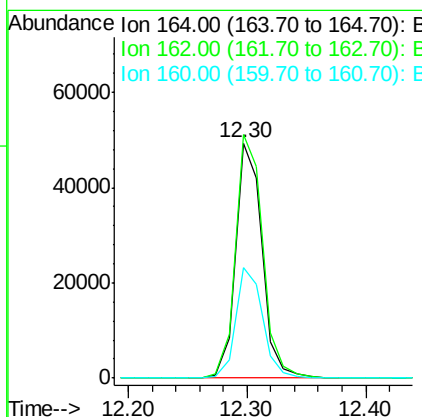
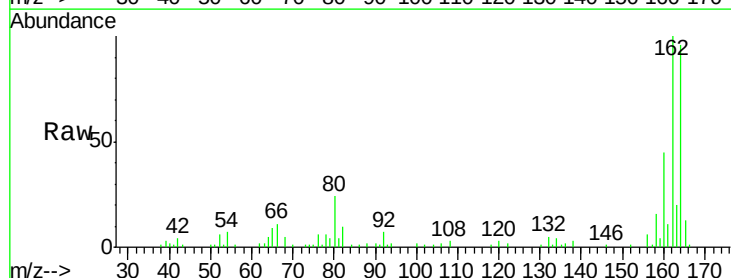
Instrument :
BNA_F
ClientSampleId :
LOCATION-46D-9-11MS

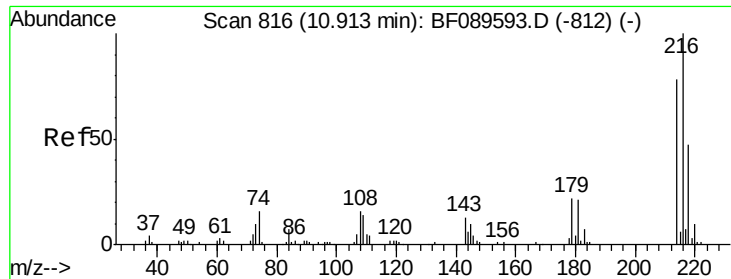
Tgt Ion:142 Resp: 283326
Ion Ratio Lower Upper
142 100
141 88.7 71.8 107.6
115 35.2 31.0 46.4



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.30 min Scan# 937
Delta R.T. 0.00 min
Lab File: BF089642.D
Acq: 5 Aug 2016 21:41

Tgt Ion:164 Resp: 76378
Ion Ratio Lower Upper
164 100
162 103.7 85.7 128.5
160 46.8 38.2 57.4

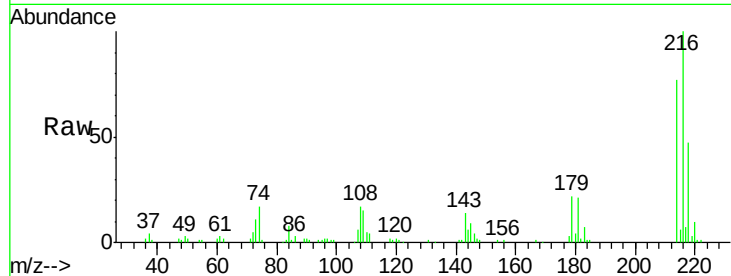




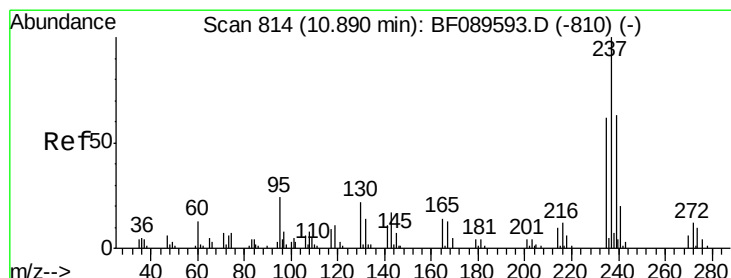
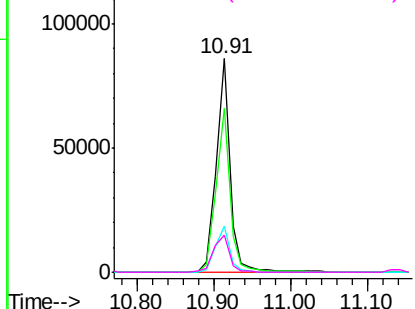
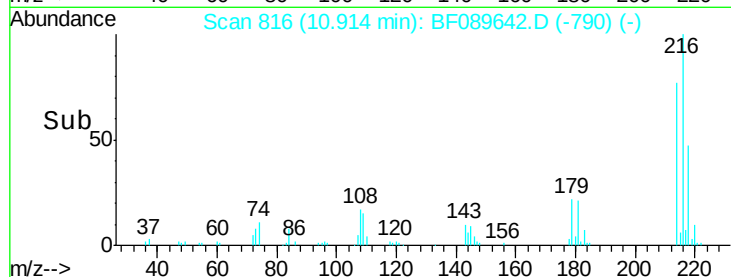
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 37.65 ng
 RT: 10.91 min Scan# 816
 Delta R.T. 0.00 min
 Lab File: BF089642.D
 Acq: 5 Aug 2016 21:41

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46D-9-11MS

Tgt Ion:	216	Resp:	108067
Ion	Ratio	Lower	Upper
216	100		
214	77.7	62.6	94.0
179	22.1	17.8	26.8
108	20.1	16.3	24.5

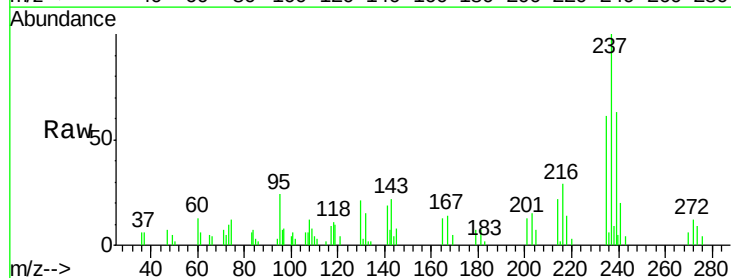


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

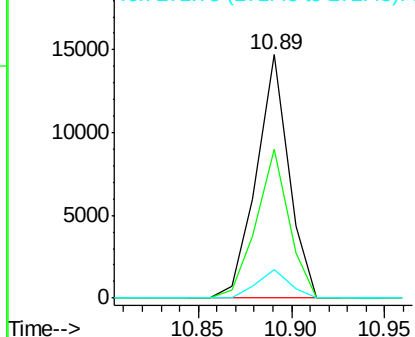
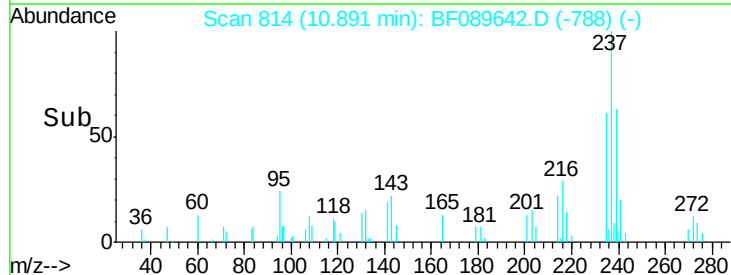


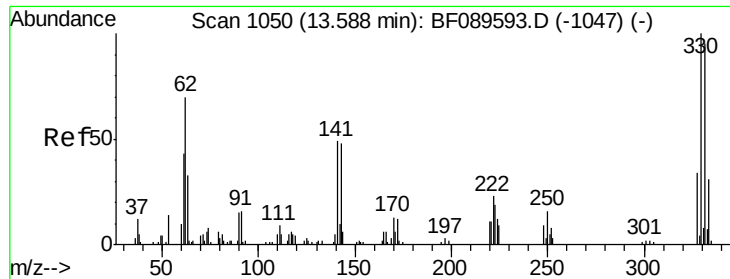
#40
 Hexachlorocyclopentadiene
 Concen: 24.83 ng
 RT: 10.89 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BF089642.D
 Acq: 5 Aug 2016 21:41

Tgt Ion:	237	Resp:	17680
Ion	Ratio	Lower	Upper
237	100		
235	61.1	41.9	81.9
272	11.7	0.0	32.4



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

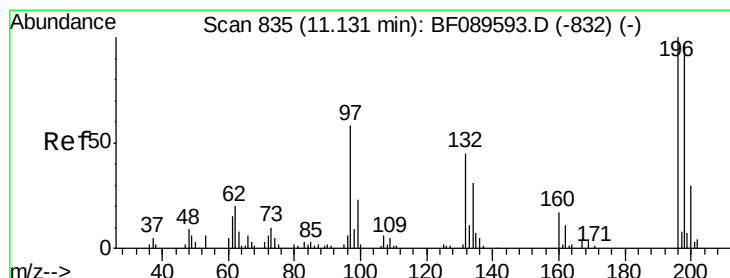
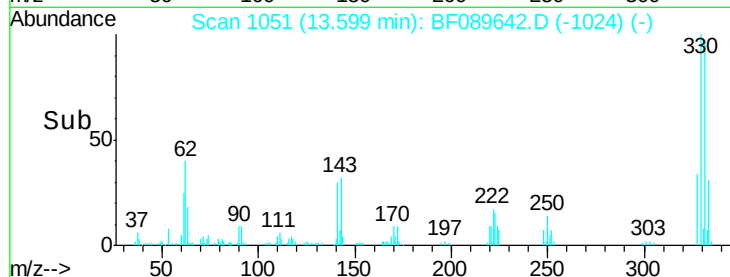
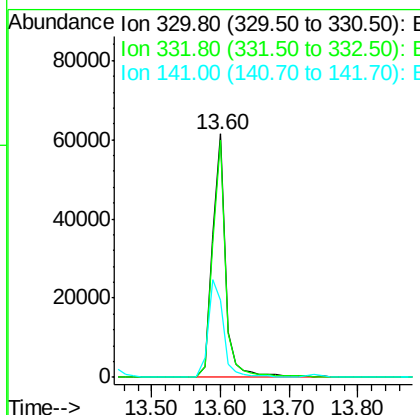
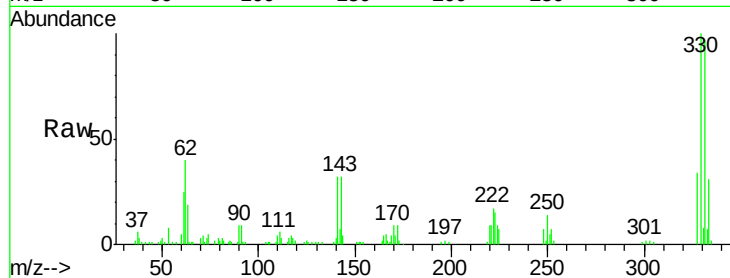




#41
 2,4,6-Tribromophenol
 Concen: 132.94 ng
 RT: 13.60 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: BF089642.D
 Acq: 5 Aug 2016 21:41

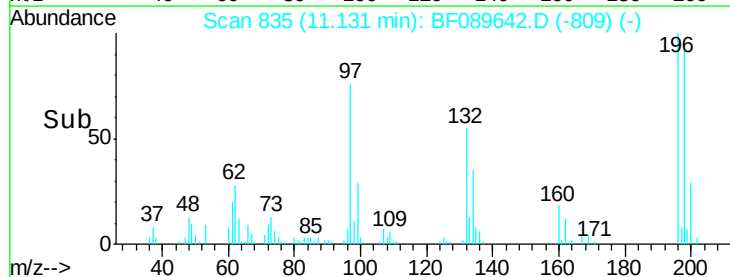
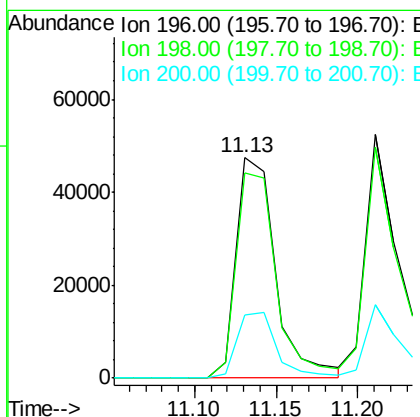
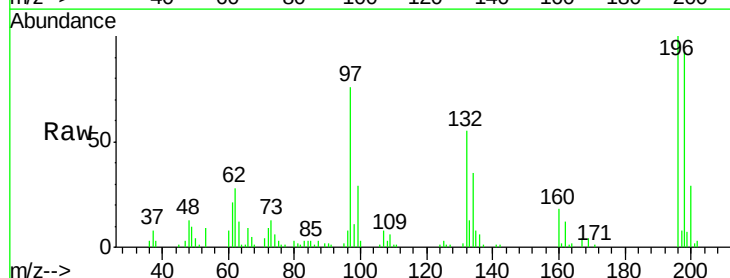
Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46D-9-11MS

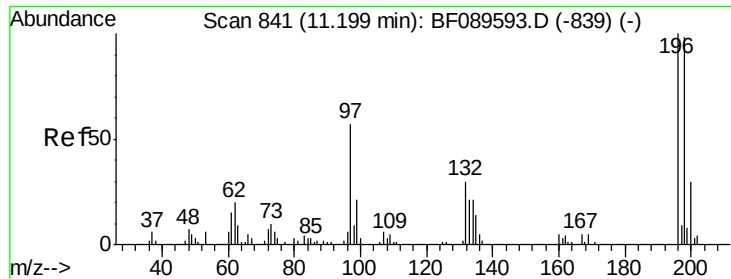
Tgt Ion:330 Resp: 83793
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.0 115.6
 141 45.9 38.6 57.8



#42
 2,4,6-Trichlorophenol
 Concen: 56.02 ng
 RT: 11.13 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: BF089642.D
 Acq: 5 Aug 2016 21:41

Tgt Ion:196 Resp: 79325
 Ion Ratio Lower Upper
 196 100
 198 93.3 77.6 116.4
 200 28.6 23.8 35.8

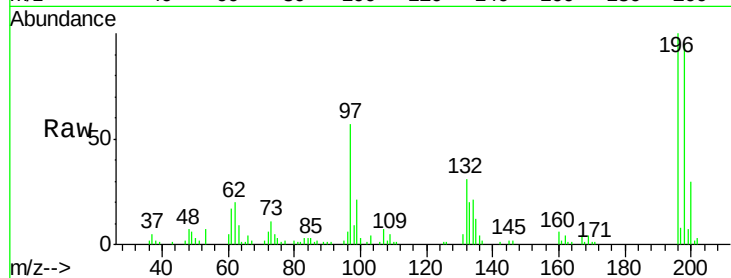




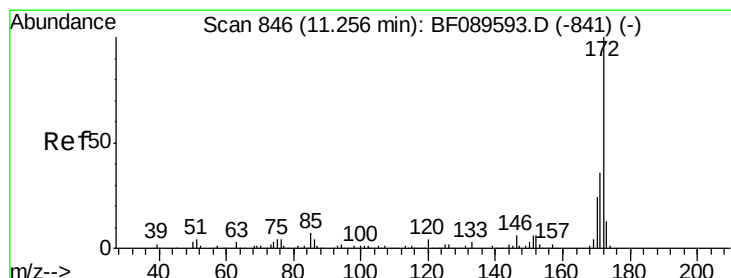
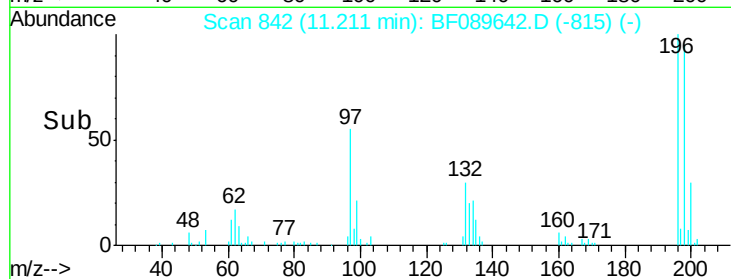
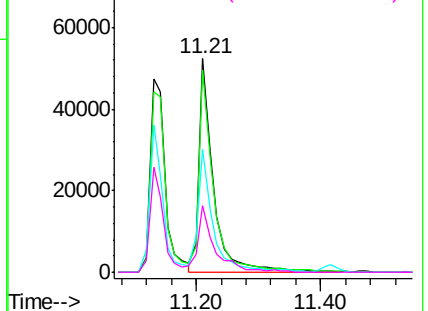
#43
 2,4,5-Trichlorophenol
 Concen: 56.59 ng
 RT: 11.21 min Scan# 842
 Delta R.T. 0.01 min
 Lab File: BF089642.D
 Acq: 5 Aug 2016 21:41

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46D-9-11MS

Tgt Ion:196 Resp: 85633
 Ion Ratio Lower Upper
 196 100
 198 94.7 77.8 116.6
 97 57.3 45.8 68.6
 132 30.9 25.1 37.7

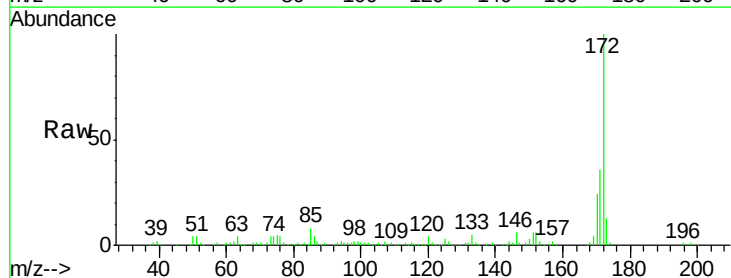


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

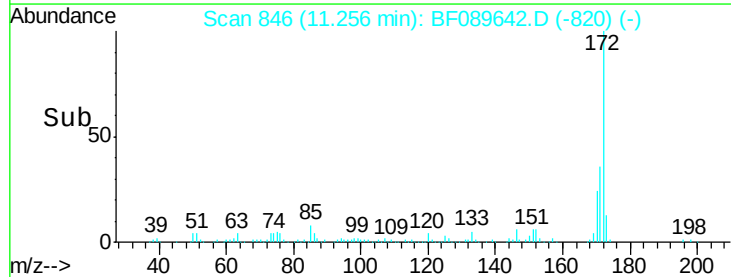
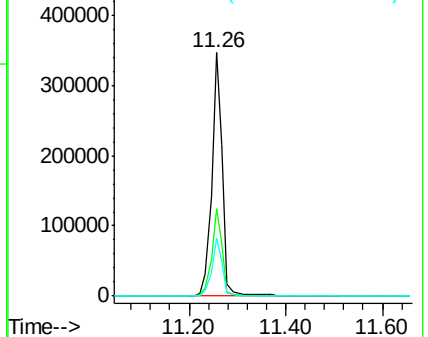


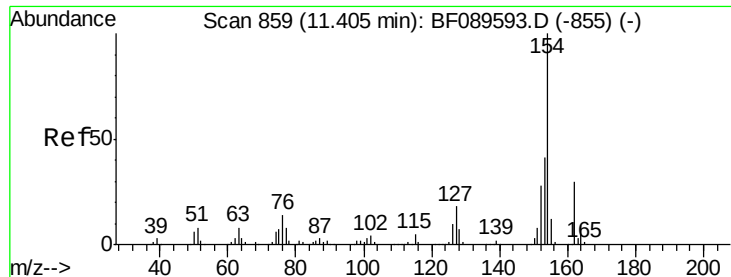
#44
 2-Fluorobiphenyl
 Concen: 91.86 ng
 RT: 11.26 min Scan# 846
 Delta R.T. 0.00 min
 Lab File: BF089642.D
 Acq: 5 Aug 2016 21:41

Tgt Ion:172 Resp: 539844
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.9 43.3
 170 23.9 19.0 28.6



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

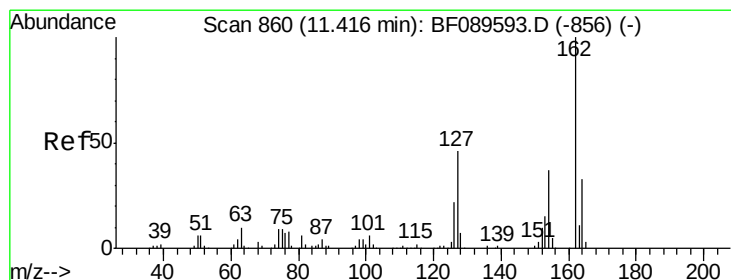
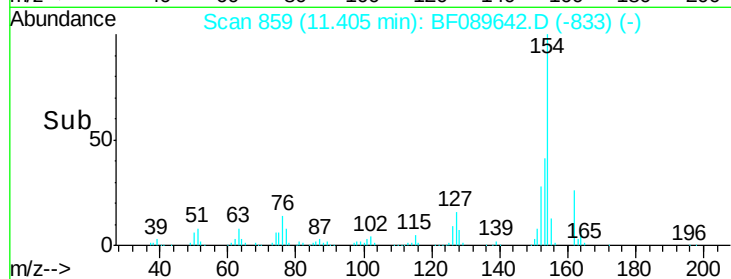
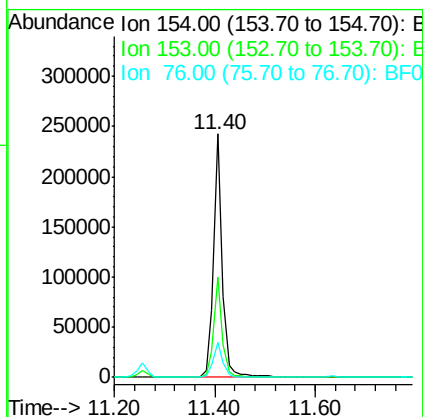
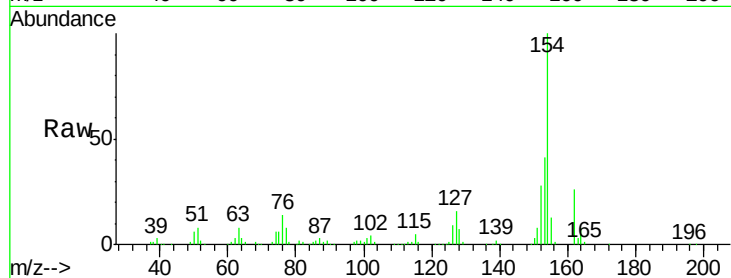




#45
 1,1'-Biphenyl
 Concen: 43.31 ng
 RT: 11.40 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: BF089642.D
 Acq: 5 Aug 2016 21:41

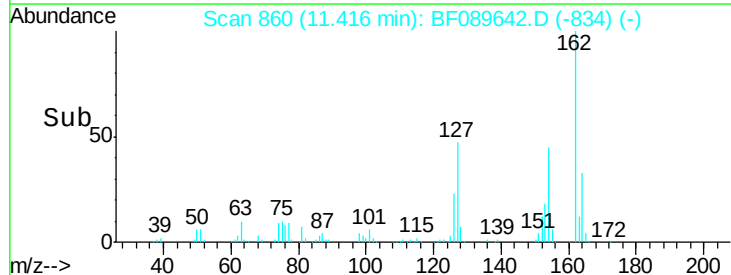
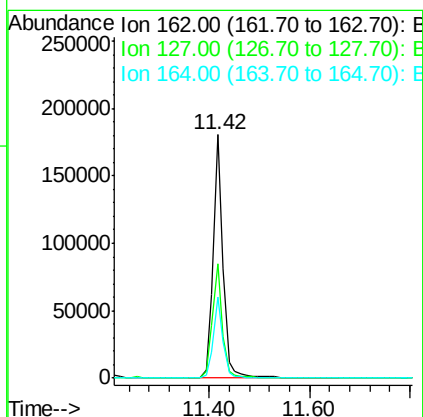
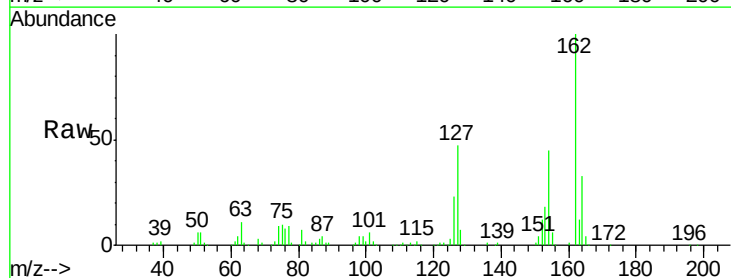
Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46D-9-11MS

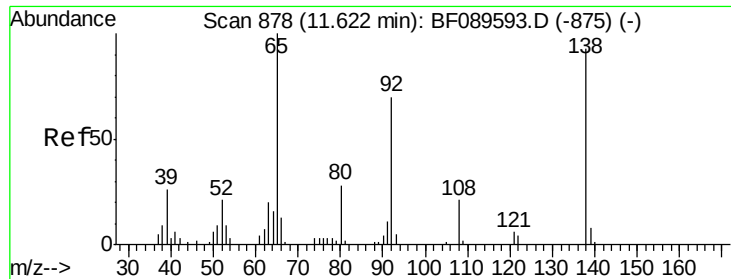
Tgt Ion:154 Resp: 298298
 Ion Ratio Lower Upper
 154 100
 153 41.0 20.6 60.6
 76 14.3 0.0 33.7



#46
 2-Chloronaphthalene
 Concen: 48.50 ng
 RT: 11.42 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: BF089642.D
 Acq: 5 Aug 2016 21:41

Tgt Ion:162 Resp: 250467
 Ion Ratio Lower Upper
 162 100
 127 46.9 36.6 54.8
 164 33.1 26.8 40.2





#47

2-Nitroaniline

Concen: 51.27 ng

RT: 11.63 min Scan# 879

Delta R.T. 0.01 min

Lab File: BF089642.D

Acq: 5 Aug 2016 21:41

Instrument :

BNA_F

ClientSampleId :

LOCATION-46D-9-11MS

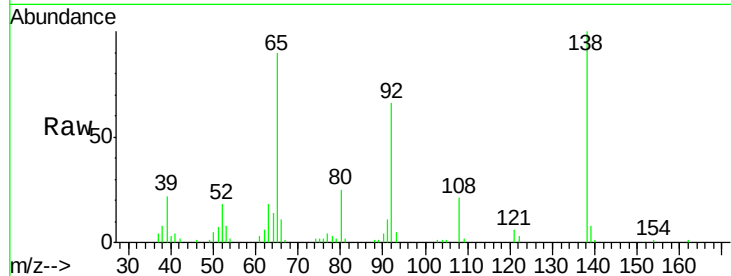
Tgt Ion: 65 Resp: 85348

Ion Ratio Lower Upper

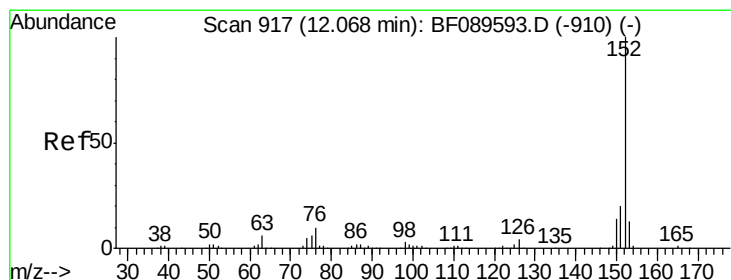
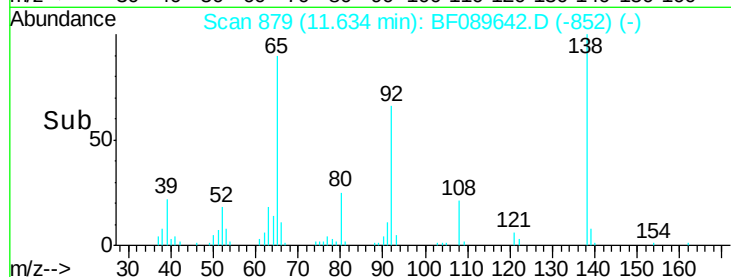
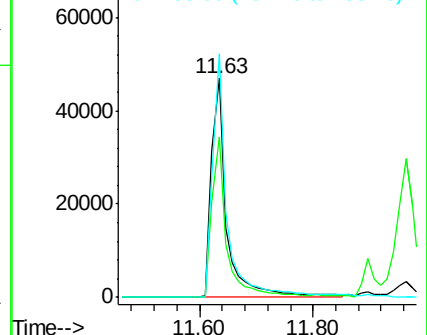
65 100

92 73.4 56.3 84.5

138 111.2 74.3 111.5



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



#48

Acenaphthylene

Concen: 47.03 ng

RT: 12.07 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF089642.D

Acq: 5 Aug 2016 21:41

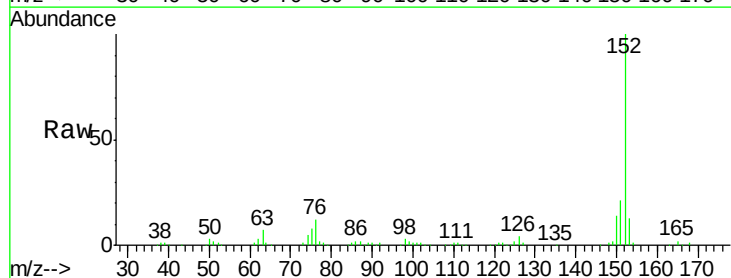
Tgt Ion: 152 Resp: 400094

Ion Ratio Lower Upper

152 100

151 20.5 16.2 24.4

153 13.1 10.5 15.7



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

