

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031116\
 Data File : BF085389.D
 Acq On : 11 Mar 2016 23:21
 Operator : UM/SJ
 Sample : H1758-05MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-19-20160310MSD

Quant Time: Mar 12 00:02:49 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	173427	20.00	ng	-0.05
21) Naphthalene-d8	8.23	136	651154	20.00	ng	-0.03
38) Acenaphthene-d10	9.98	164	279304	20.00	ng	-0.05
63) Phenanthrene-d10	11.46	188	461440	20.00	ng	-0.05
75) Chrysene-d12	14.12	240	277289	20.00	ng	-0.03
86) Perylene-d12	15.57	264	293290	20.00	ng	-0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.54	112	1399605	135.37	ng	-0.03
7) Phenol-d6	6.57	99	1674140	123.59	ng	-0.03
23) Nitrobenzene-d5	7.51	82	1278600	105.08	ng	-0.03
41) 2,4,6-Tribromophenol	10.78	330	424083	177.45	ng	-0.03
44) 2-Fluorobiphenyl	9.30	172	1579981	86.03	ng	-0.05
78) Terphenyl-d14	13.05	244	1186594	99.34	ng	-0.03

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.65	88	196231	37.11	ng	99
3) Pyridine	3.41	79	565808	42.76	ng	97
4) n-Nitrosodimethylamine	3.36	42	251838	44.47	ng	93
6) Aniline	6.60	93	721835	38.02	ng	92
8) 2-Chlorophenol	6.72	128	555606	44.64	ng	96
9) Benzaldehyde	6.48	77	141192	18.88	ng	95
10) Phenol	6.58	94	575270	39.65	ng	90
11) bis(2-Chloroethyl)ether	6.68	93	561047	46.56	ng	98
12) 1,3-Dichlorobenzene	6.88	146	615730	46.08	ng	99
13) 1,4-Dichlorobenzene	6.95	146	584765	43.66	ng	99
14) 1,2-Dichlorobenzene	7.11	146	559692	46.06	ng	99
15) Benzyl Alcohol	7.08	79	521566	52.45	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.21	45	709379	40.84	ng	98
17) 2-Methylphenol	7.19	107	481135	47.37	ng	96
18) Hexachloroethane	7.45	117	220159	44.56	ng	100
19) n-Nitroso-di-n-propylamine	7.36	70	426258	48.28	ng	96
20) 3+4-Methylphenols	7.35	107	574387	47.74	ng	# 86
22) Acetophenone	7.35	105	701924	44.16	ng	# 91
24) Nitrobenzene	7.52	77	548863	44.40	ng	97
25) Isophorone	7.76	82	1143477	50.71	ng	100
26) 2-Nitrophenol	7.84	139	328177	54.56	ng	# 80
27) 2,4-Dimethylphenol	7.88	122	504486	45.89	ng	94
28) bis(2-Chloroethoxy)methane	7.98	93	734675	58.50	ng	98
29) 2,4-Dichlorophenol	8.08	162	451275	50.90	ng	90
30) 1,2,4-Trichlorobenzene	8.16	180	479327	50.00	ng	100
31) Naphthalene	8.25	128	1626765	50.81	ng	98
32) Benzoic acid	7.96	122	64382	8.82	ng	91
33) 4-Chloroaniline	8.30	127	461948	35.67	ng	# 88
34) Hexachlorobutadiene	8.37	225	258271	51.78	ng	99
35) Caprolactam	8.71	113	34167	11.80	ng	91
36) 4-Chloro-3-methylphenol	8.78	107	488400	48.56	ng	99
37) 2-Methylnaphthalene	8.94	142	959217	46.68	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.11	216	446092	55.85	ng	98
40) Hexachlorocyclopentadiene	9.10	237	272934	63.35	ng	97

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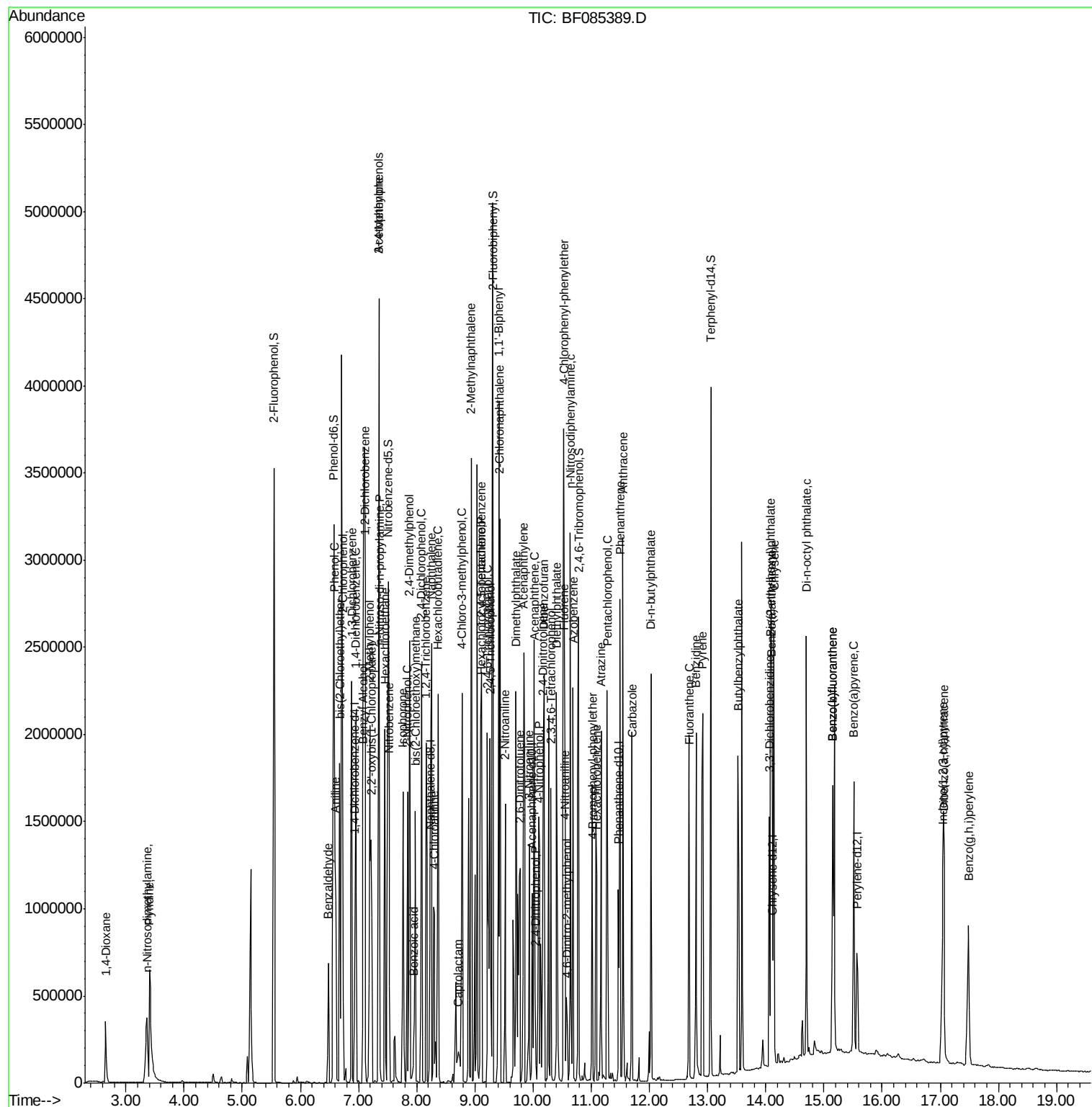
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.21	196	307307	51.68	ng	98
43) 2,4,5-Trichlorophenol	9.26	196	314418	55.77	ng	95
45) 1,1'-Biphenyl	9.41	154	1203997	50.46	ng	96
46) 2-Chloronaphthalene	9.43	162	871084	47.89	ng	94
47) 2-Nitroaniline	9.52	65	272505	48.35	ng	92
48) Acenaphthylene	9.84	152	1429043	50.48	ng	99
49) Dimethylphthalate	9.70	163	1273205	59.39	ng	99
50) 2,6-Dinitrotoluene	9.77	165	270411	58.96	ng	# 72
51) Acenaphthene	10.02	154	887158	51.61	ng	99
52) 3-Nitroaniline	9.93	138	205903	37.53	ng	83
53) 2,4-Dinitrophenol	10.04	184	56140	29.73	ng	# 64
54) Dibenzofuran	10.18	168	1222868	54.30	ng	97
55) 4-Nitrophenol	10.10	139	455518	105.64	ng	91
56) 2,4-Dinitrotoluene	10.17	165	320684	54.64	ng	99
57) Fluorene	10.54	166	884941	50.03	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.31	232	249783	63.07	ng	93
59) Diethylphthalate	10.40	149	1037650	49.88	ng	95
60) 4-Chlorophenyl-phenylether	10.53	204	463164	53.81	ng	# 84
61) 4-Nitroaniline	10.55	138	226151	44.07	ng	98
62) Azobenzene	10.69	77	1150131	56.12	ng	89
64) 4,6-Dinitro-2-methylphenol	10.58	198	84232	30.49	ng	81
65) n-Nitrosodiphenylamine	10.64	169	768987	53.58	ng	99
66) 4-Bromophenyl-phenylether	11.02	248	266120	59.39	ng	# 83
67) Hexachlorobenzene	11.09	284	268280	56.13	ng	# 86
68) Atrazine	11.17	200	240885	60.35	ng	99
69) Pentachlorophenol	11.27	266	264004	99.50	ng	99
70) Phenanthrene	11.50	178	1345402	55.63	ng	99
71) Anthracene	11.54	178	1184613	46.14	ng	99
72) Carbazole	11.71	167	1175928	52.24	ng	98
73) Di-n-butylphthalate	12.03	149	1477968	51.94	ng	99
74) Fluoranthene	12.69	202	1129457	46.54	ng	93
76) Benzidine	12.80	184	803529	97.37	ng	99
77) Pyrene	12.92	202	1178583	56.47	ng	99
79) Butylbenzylphthalate	13.52	149	545934	57.65	ng	99
80) Benzo(a)anthracene	14.11	228	872569	52.57	ng	99
81) 3,3'-Dichlorobenzidine	14.06	252	261956	50.02	ng	99
82) Chrysene	14.14	228	846474	55.20	ng	100
83) Bis(2-ethylhexyl)phthalate	14.08	149	731111	58.67	ng	# 98
84) Di-n-octyl phthalate	14.70	149	1178525	62.10	ng	99
85) Indeno(1,2,3-cd)pyrene	17.04	276	872135	72.88	ng	98
87) Benzo(b)fluoranthene	15.15	252	1019458	52.15	ng	99
88) Benzo(k)fluoranthene	15.15	252	1019458	64.65	ng	98
89) Benzo(a)pyrene	15.51	252	857390	52.93	ng	# 95
90) Dibenzo(a,h)anthracene	17.07	278	740636	53.56	ng	96
91) Benzo(g,h,i)perylene	17.49	276	685600	49.31	ng	97

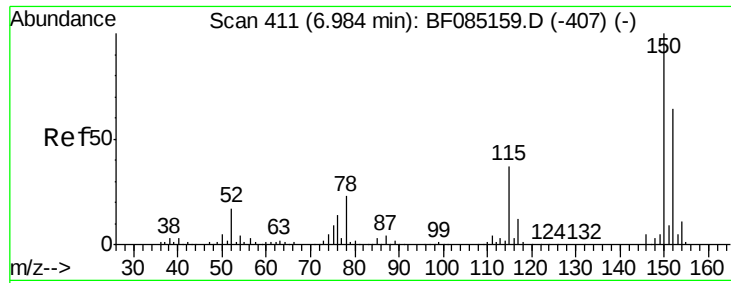
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.94 min Scan# 407

Delta R.T. -0.05 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-19-20160310MSD

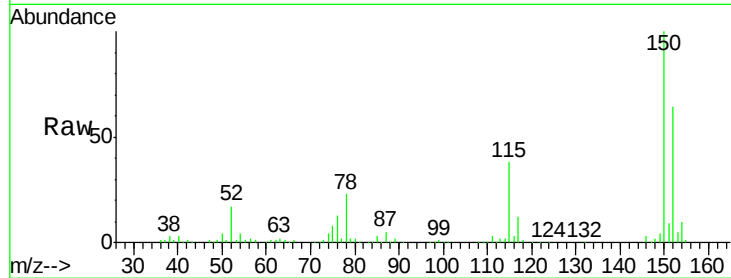
Tgt Ion:152 Resp: 173427

Ion Ratio Lower Upper

152 100

150 156.6 124.6 186.8

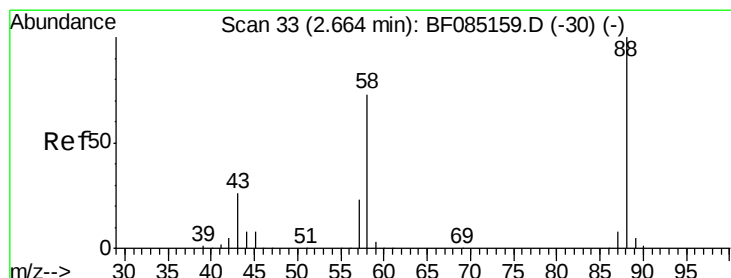
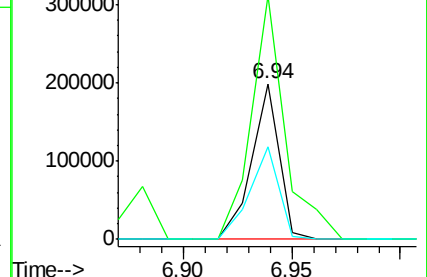
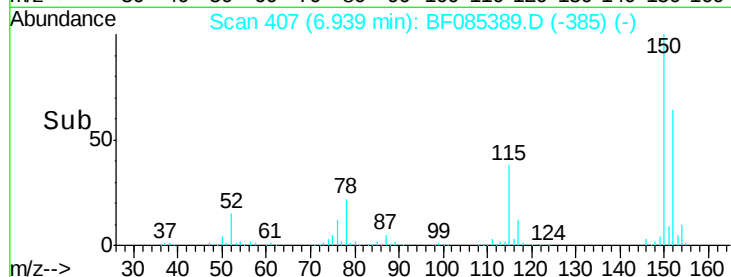
115 59.2 46.6 70.0



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: 37.11 ng

RT: 2.65 min Scan# 32

Delta R.T. -0.01 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

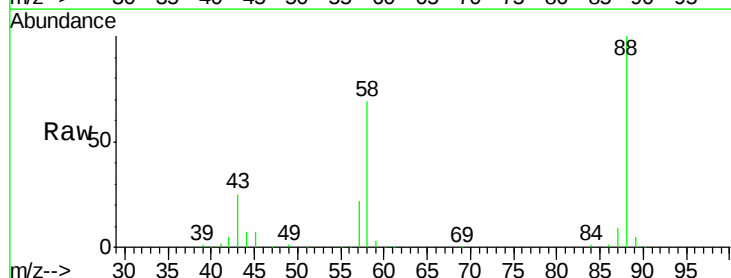
Tgt Ion: 88 Resp: 196231

Ion Ratio Lower Upper

88 100

58 70.6 57.0 85.6

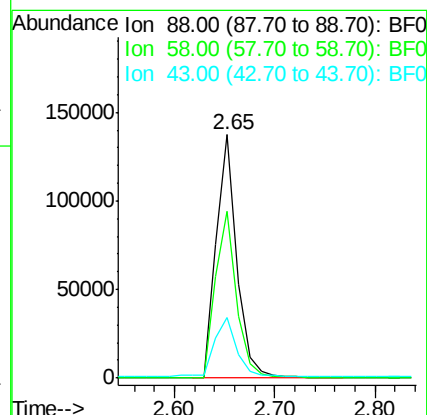
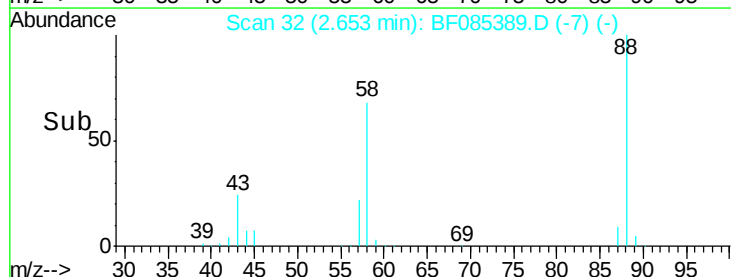
43 25.6 20.5 30.7

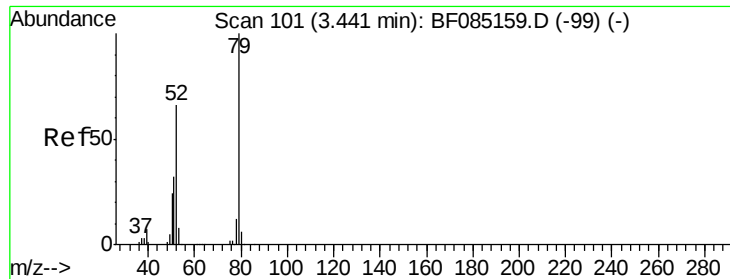


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 42.76 ng

RT: 3.41 min Scan# 98

Delta R.T. -0.03 min

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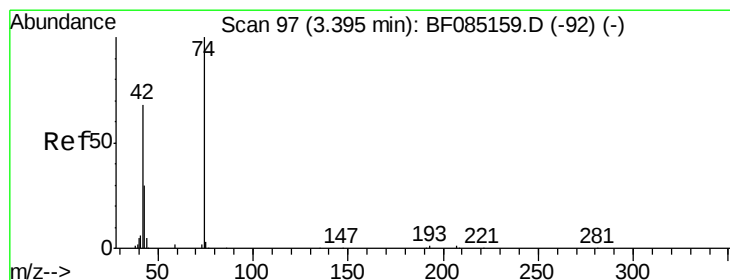
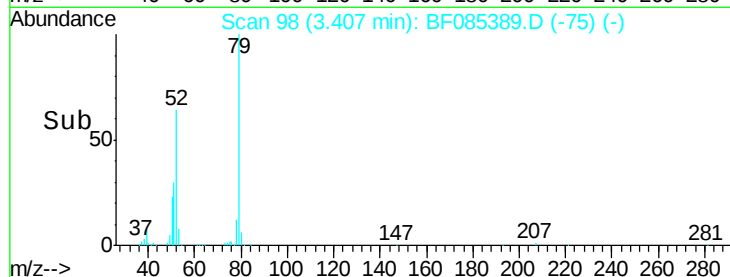
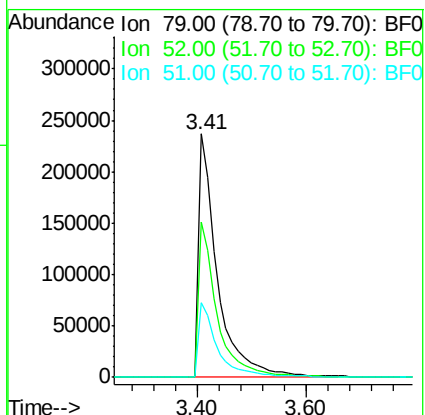
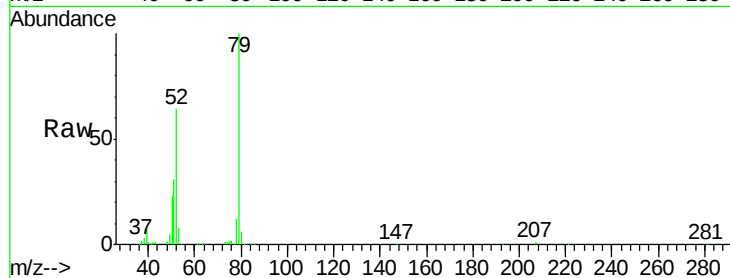
Tgt Ion: 79 Resp: 565808

Ion Ratio Lower Upper

79 100

52 63.5 52.6 79.0

51 30.6 25.8 38.8



#4

n-Nitrosodimethylamine

Concen: 44.47 ng

RT: 3.36 min Scan# 94

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

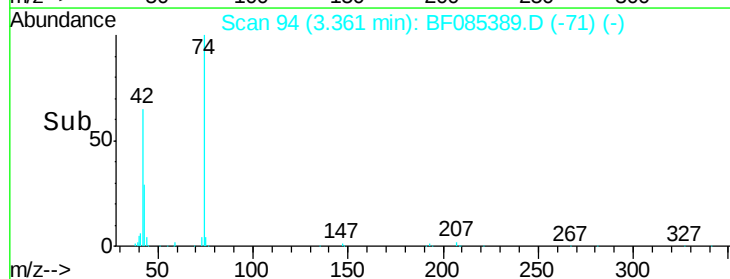
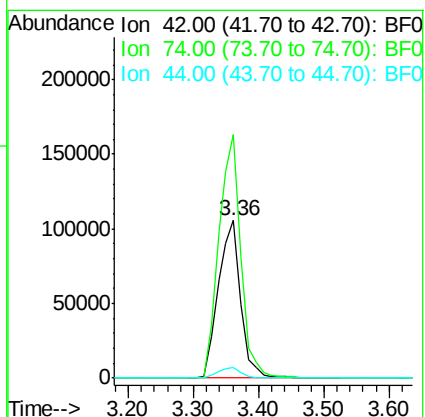
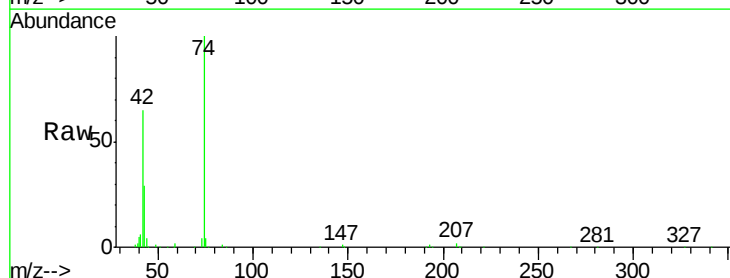
Tgt Ion: 42 Resp: 251838

Ion Ratio Lower Upper

42 100

74 154.6 116.8 175.2

44 6.7 5.5 8.3





#5

2-Fluorophenol

Concen: 135.37 ng

RT: 5.54 min Scan# 285

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

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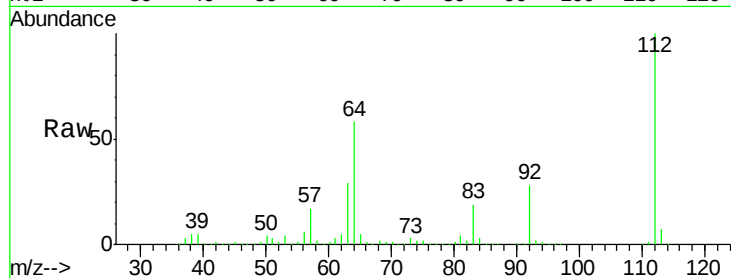
Tgt Ion: 112 Resp: 1399605

Ion Ratio Lower Upper

112 100

64 57.8 49.0 73.4

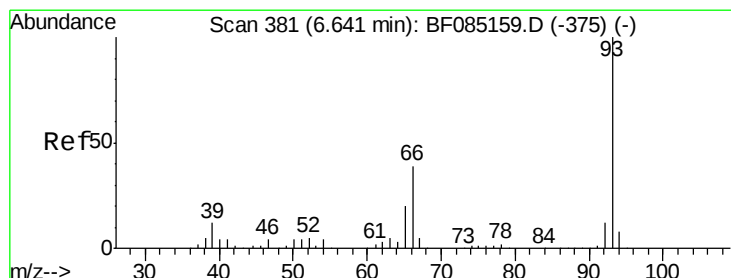
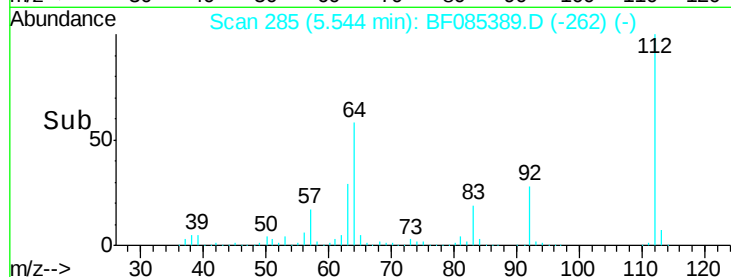
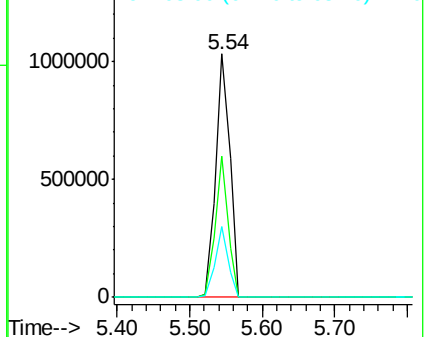
63 29.3 24.8 37.2



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 38.02 ng

RT: 6.60 min Scan# 377

Delta R.T. -0.05 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

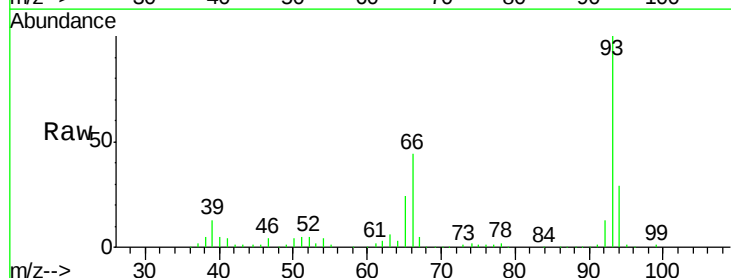
Tgt Ion: 93 Resp: 721835

Ion Ratio Lower Upper

93 100

66 44.3 31.6 47.4

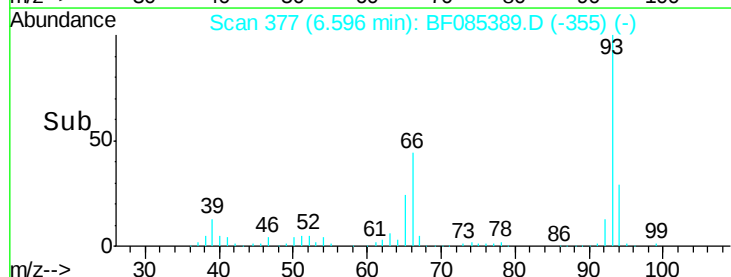
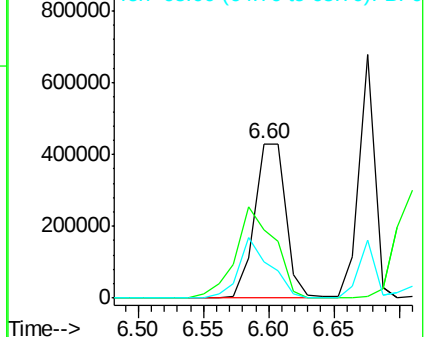
65 23.6 15.8 23.8



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: 123.59 ng

RT: 6.57 min Scan# 375

Delta R.T. -0.03 min

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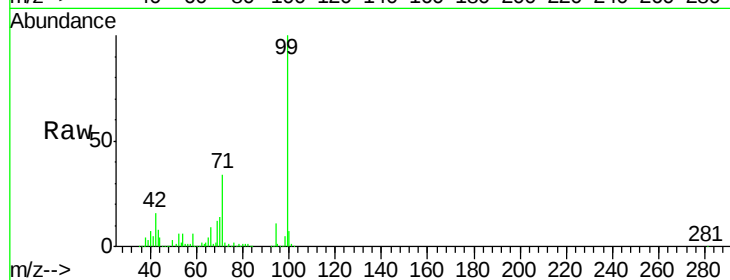
Tgt Ion: 99 Resp: 1674140

Ion Ratio Lower Upper

99 100

42 15.5 13.6 20.4

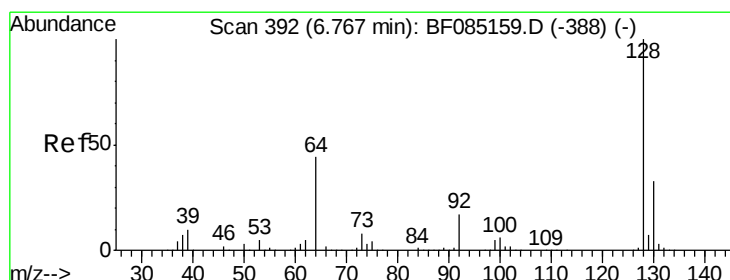
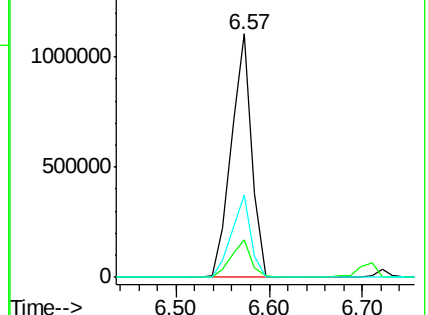
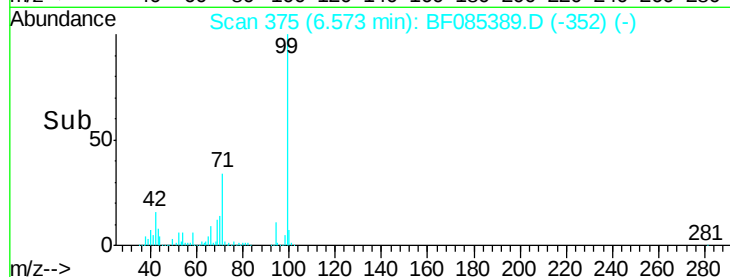
71 33.6 26.7 40.1



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: 44.64 ng

RT: 6.72 min Scan# 388

Delta R.T. -0.05 min

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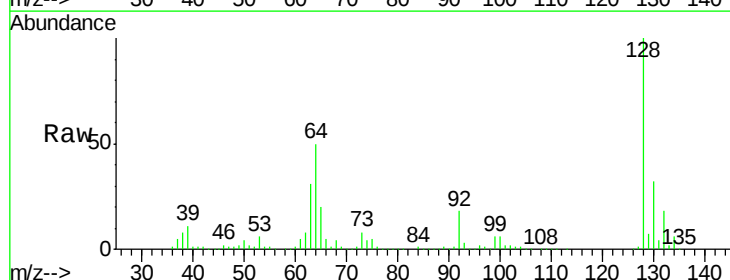
Tgt Ion: 128 Resp: 555606

Ion Ratio Lower Upper

128 100

130 32.5 13.3 53.3

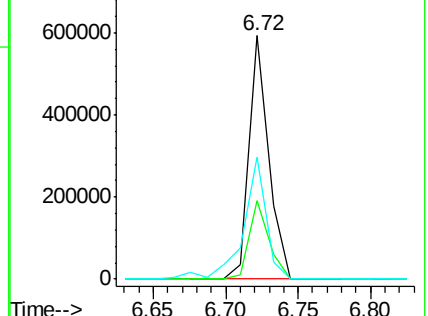
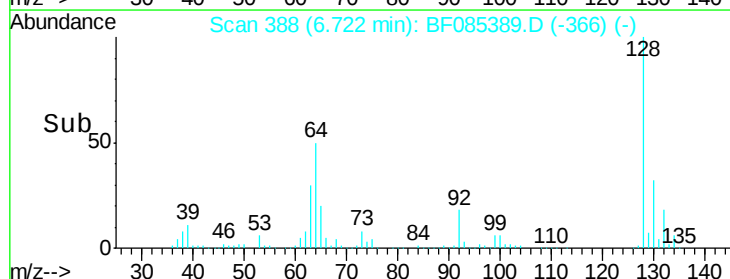
64 50.1 25.7 65.7

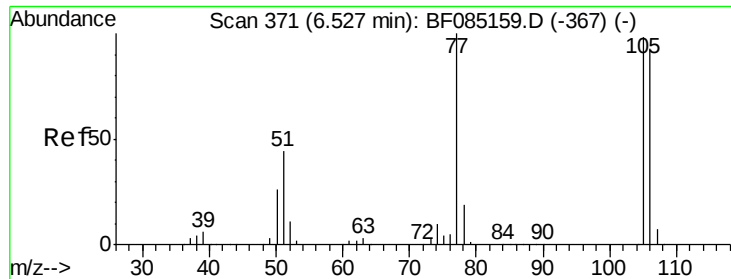


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 18.88 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.05 min

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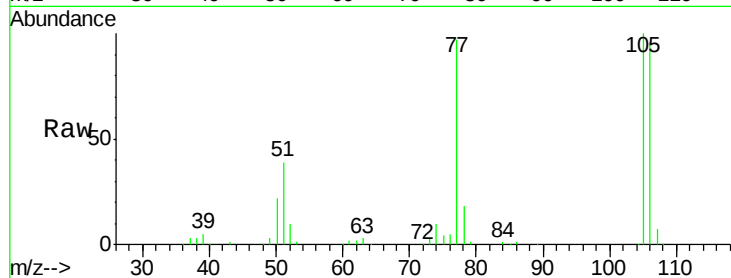
Tgt Ion: 77 Resp: 141192

Ion Ratio Lower Upper

77 100

105 102.6 78.2 118.2

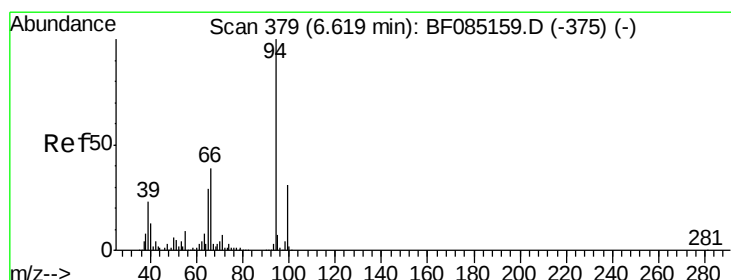
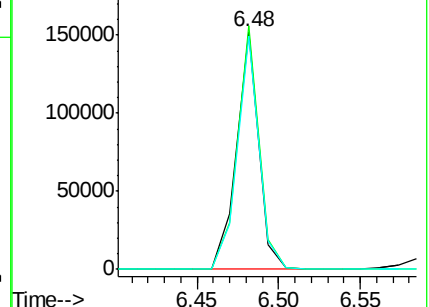
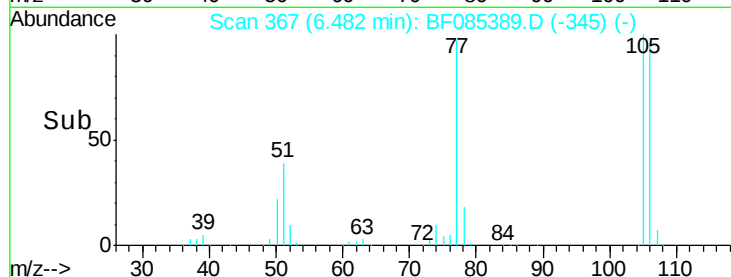
106 98.2 72.9 112.9



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: 39.65 ng

RT: 6.58 min Scan# 376

Delta R.T. -0.03 min

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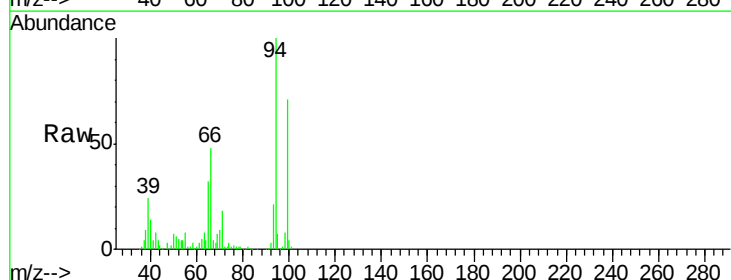
Tgt Ion: 94 Resp: 575270

Ion Ratio Lower Upper

94 100

65 32.0 9.1 49.1

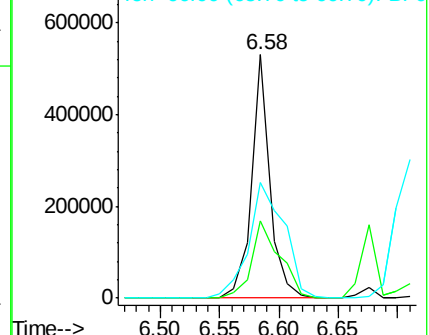
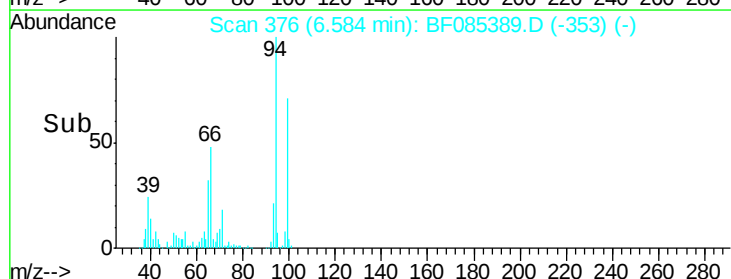
66 47.7 19.3 59.3

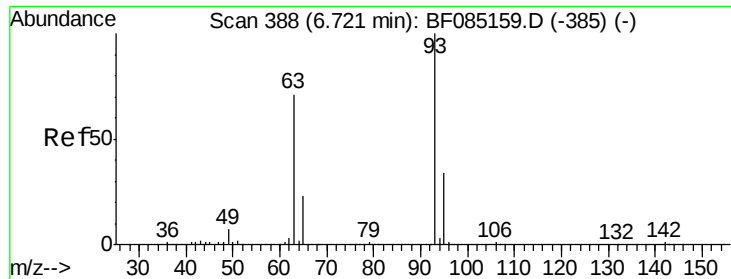


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 46.56 ng

RT: 6.68 min Scan# 384

Delta R.T. -0.05 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-19-20160310MSD

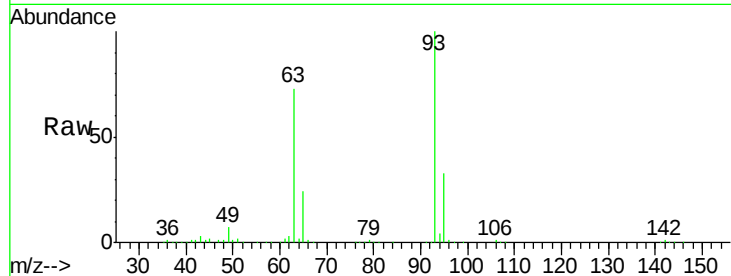
Tgt Ion: 93 Resp: 561047

Ion Ratio Lower Upper

93 100

63 73.3 50.9 90.9

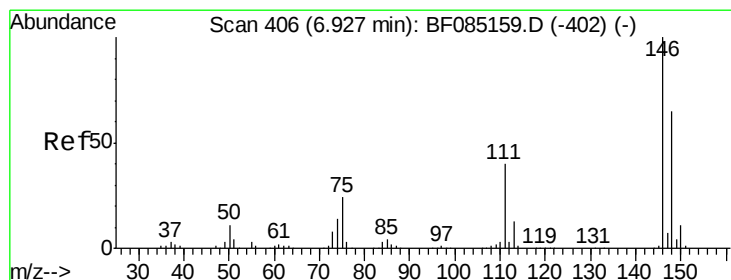
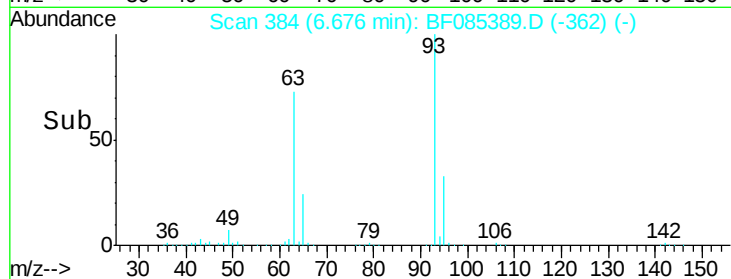
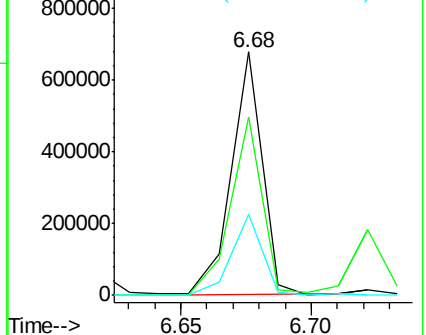
95 33.4 13.7 53.7



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: 46.08 ng

RT: 6.88 min Scan# 402

Delta R.T. -0.05 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

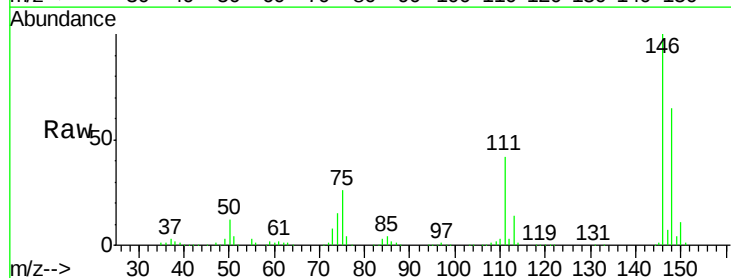
Tgt Ion: 146 Resp: 615730

Ion Ratio Lower Upper

146 100

148 65.4 52.1 78.1

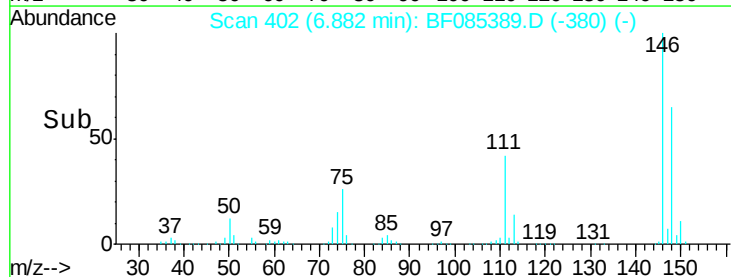
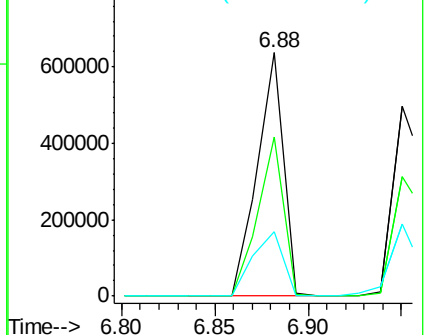
75 26.3 19.5 29.3

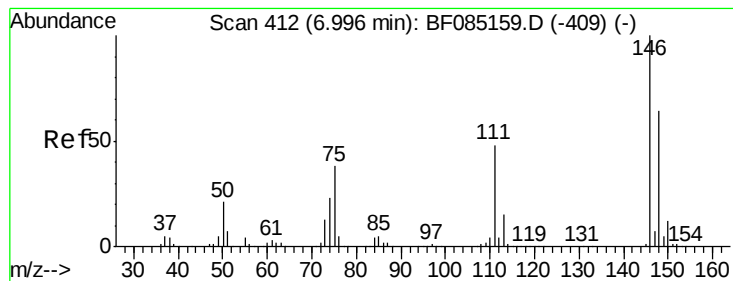


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 43.66 ng

RT: 6.95 min Scan# 408

Delta R.T. -0.05 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-19-20160310MSD

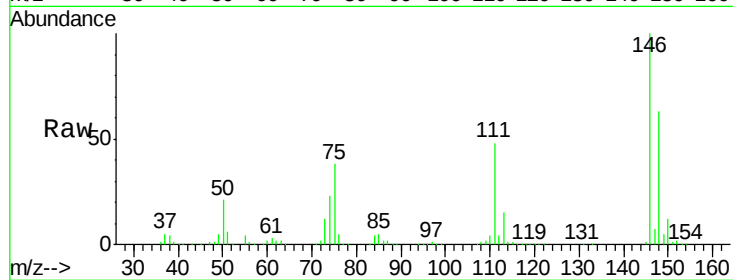
Tgt Ion:146 Resp: 584765

Ion Ratio Lower Upper

146 100

148 62.9 51.3 76.9

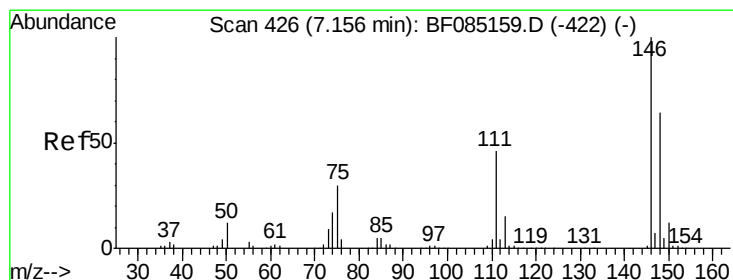
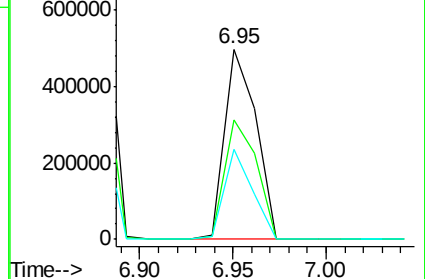
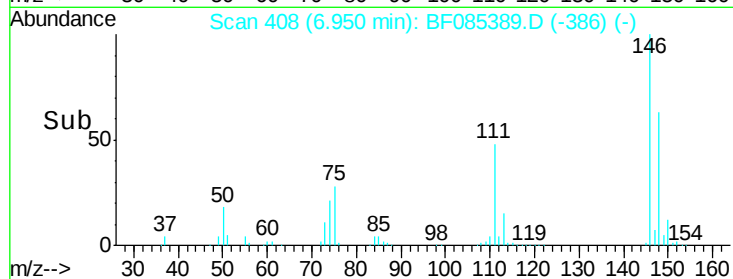
111 47.6 38.4 57.6



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: 46.06 ng

RT: 7.11 min Scan# 422

Delta R.T. -0.05 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

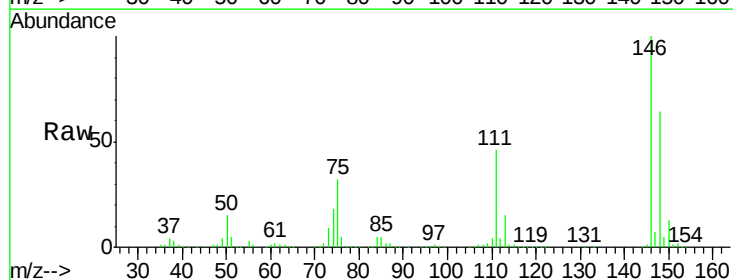
Tgt Ion:146 Resp: 559692

Ion Ratio Lower Upper

146 100

148 63.7 51.4 77.2

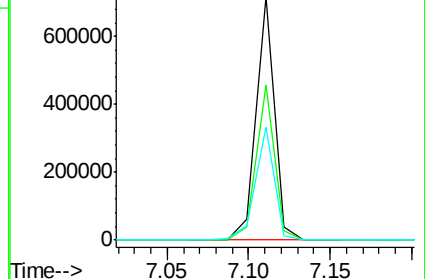
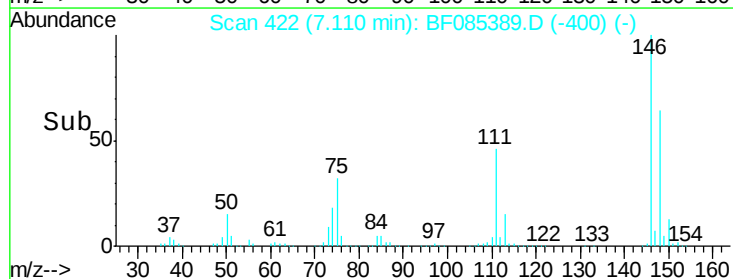
111 46.4 36.7 55.1

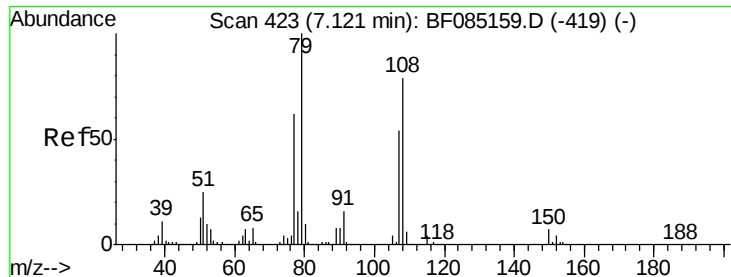


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 52.45 ng

RT: 7.08 min Scan# 419

Delta R.T. -0.05 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-19-20160310MSD

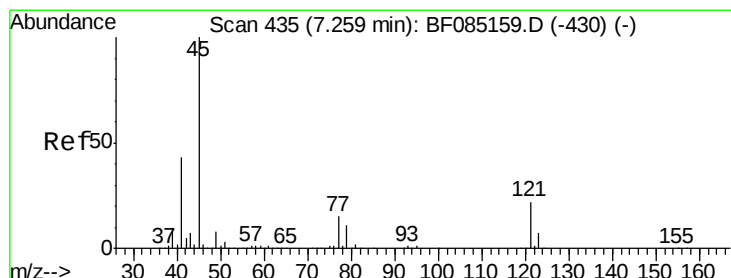
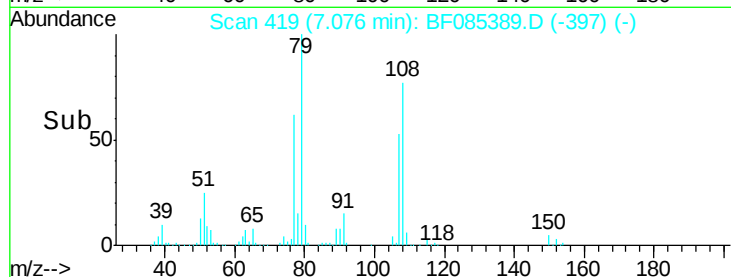
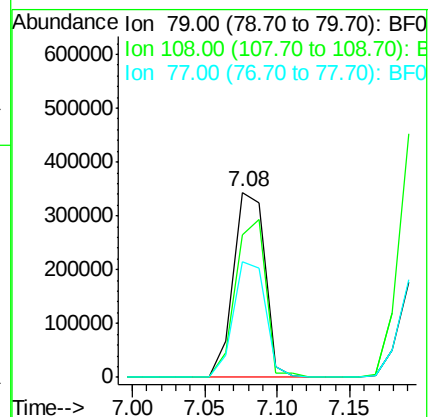
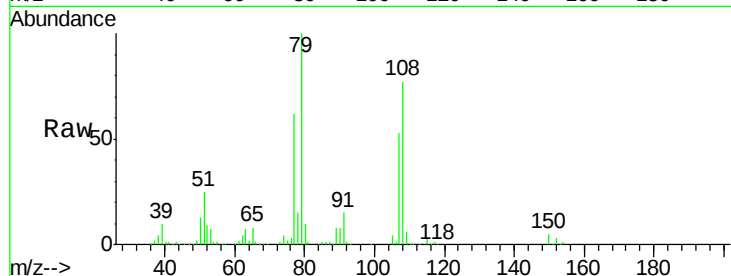
Tgt Ion: 79 Resp: 521566

Ion Ratio Lower Upper

79 100

108 77.2 62.9 94.3

77 62.4 49.5 74.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.84 ng

RT: 7.21 min Scan# 431

Delta R.T. -0.05 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

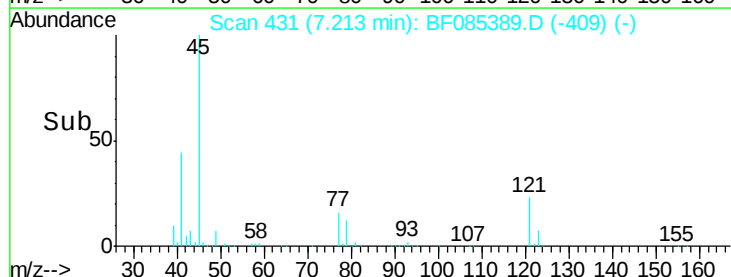
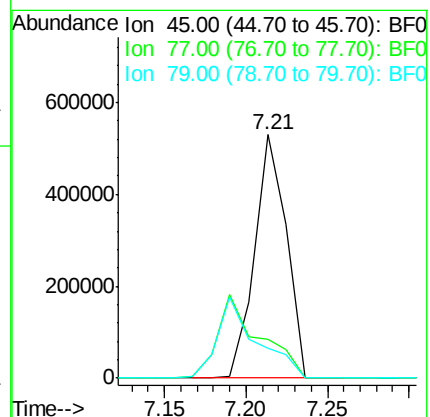
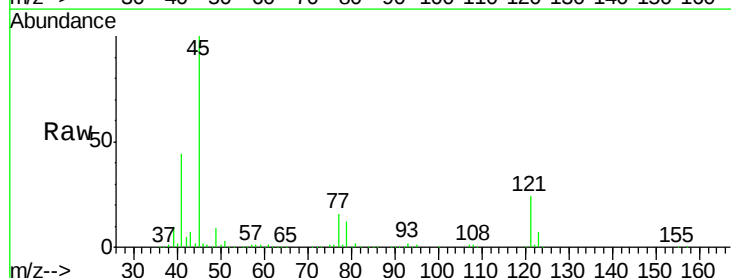
Tgt Ion: 45 Resp: 709379

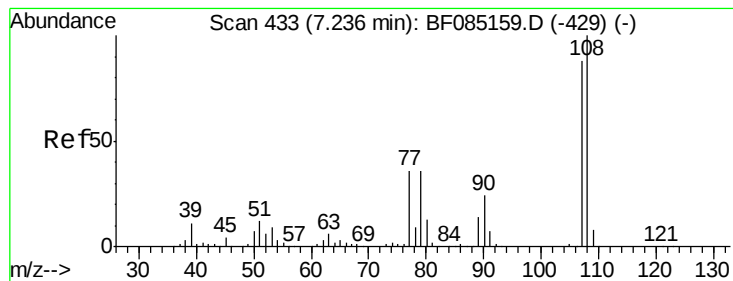
Ion Ratio Lower Upper

45 100

77 15.7 0.0 35.1

79 12.0 0.0 31.3





#17

2-Methylphenol

Concen: 47.37 ng

RT: 7.19 min Scan# 429

Delta R.T. -0.05 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-19-20160310MSD

Tgt Ion:107 Resp: 481135

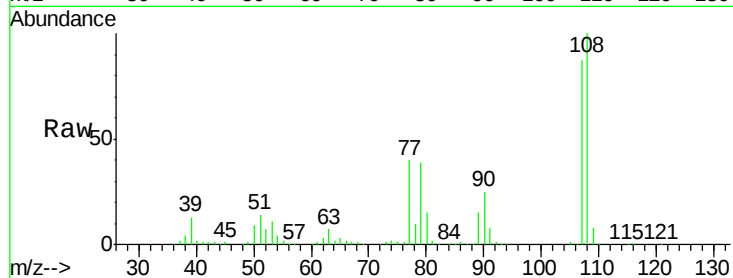
Ion Ratio Lower Upper

107 100

108 115.6 90.9 136.3

77 46.3 32.6 48.8

79 45.0 32.8 49.2

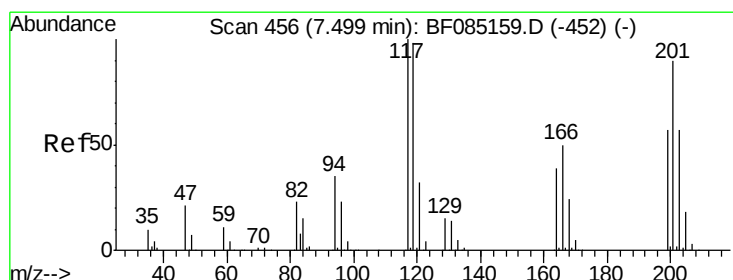
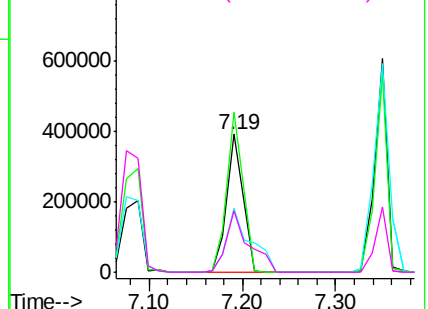
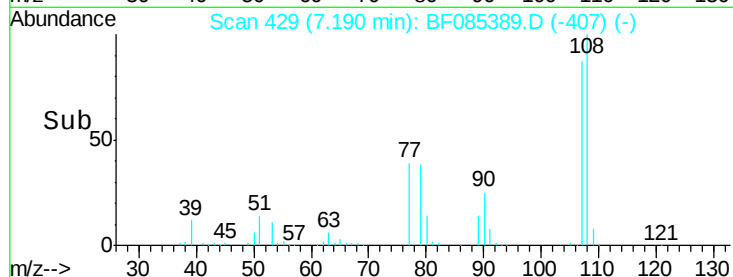


Abundance Ion 107.00 (106.70 to 107.70): E

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: 44.56 ng

RT: 7.45 min Scan# 452

Delta R.T. -0.05 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

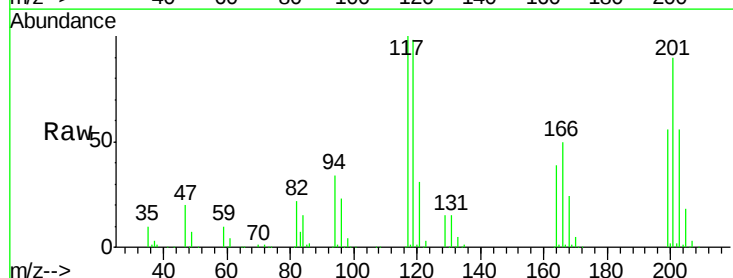
Tgt Ion:117 Resp: 220159

Ion Ratio Lower Upper

117 100

119 97.7 78.2 117.4

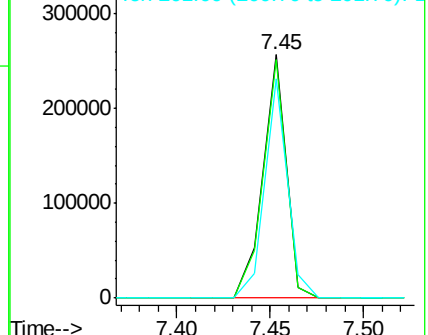
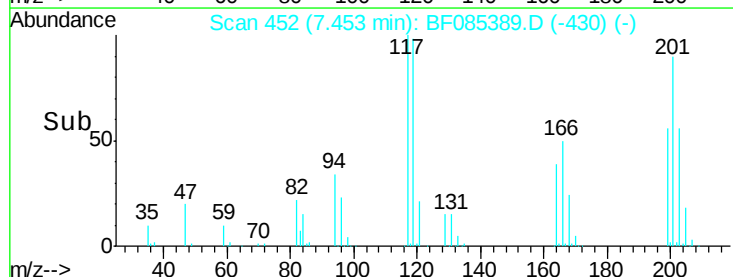
201 90.0 72.0 108.0

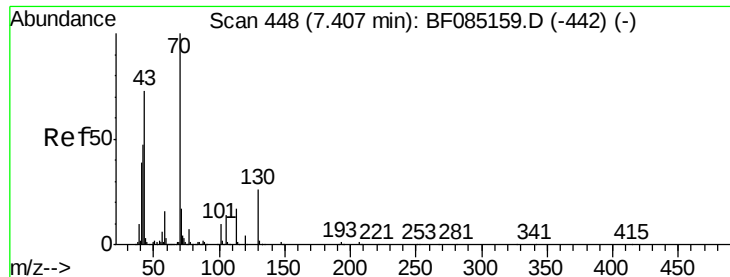


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

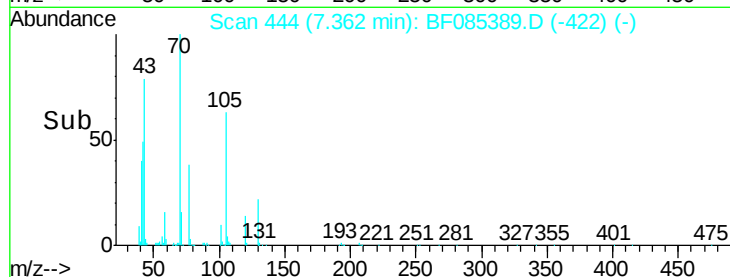
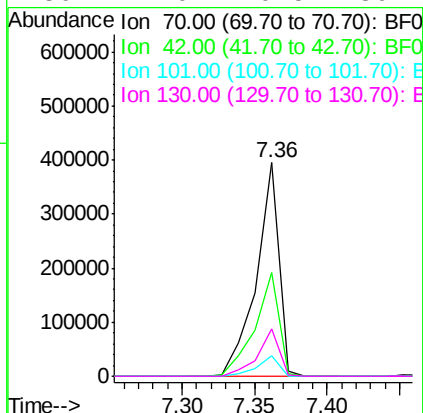
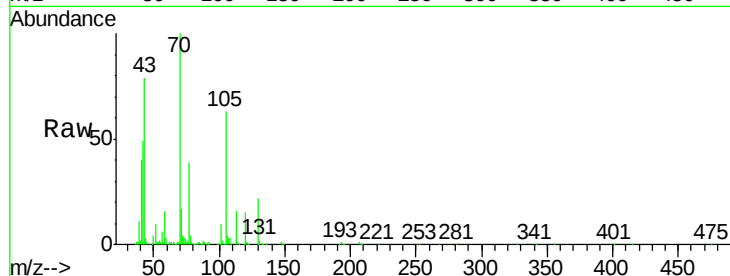




#19
n-Nitroso-di-n-propylamine
Concen: 48.28 ng
RT: 7.36 min Scan# 444
Delta R.T. -0.05 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

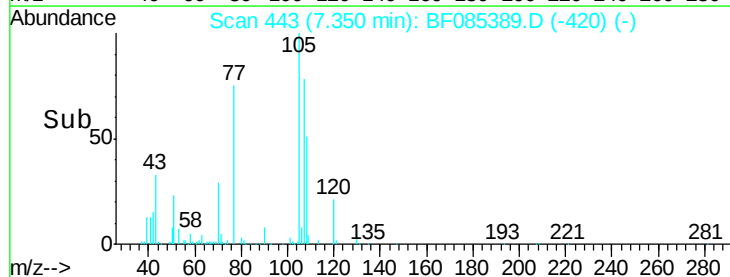
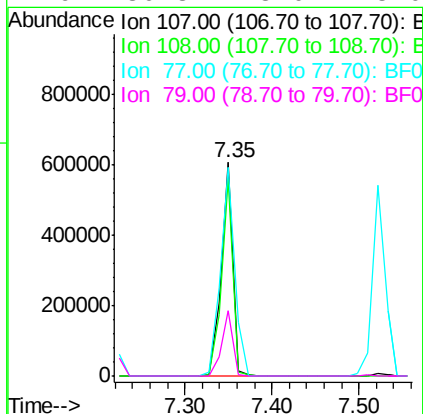
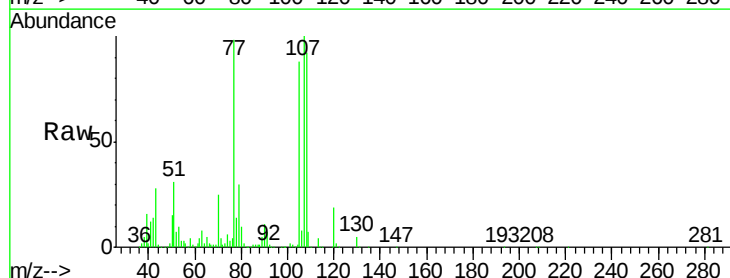
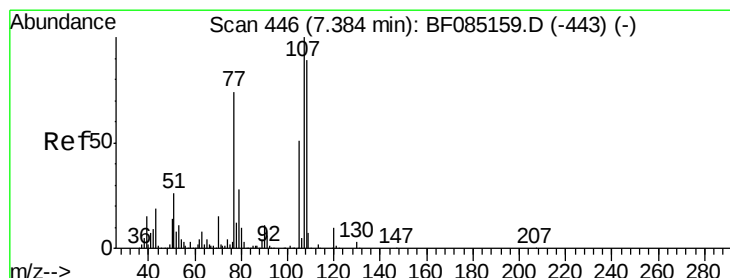
Instrument :
BNA_F
ClientSampleId :
POST-EX-19-20160310MSD

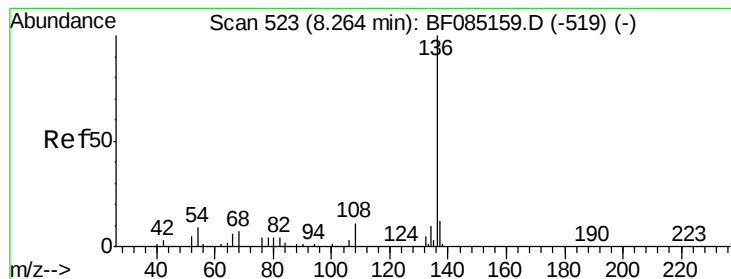
Tgt Ion:	70	Resp:	426258
Ion	Ratio	Lower	Upper
70	100		
42	48.6	37.7	56.5
101	9.8	8.2	12.4
130	22.0	20.5	30.7



#20
3+4-Methylphenols
Concen: 47.74 ng
RT: 7.35 min Scan# 443
Delta R.T. -0.03 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Tgt Ion:	107	Resp:	574387
Ion	Ratio	Lower	Upper
107	100		
108	92.4	68.8	108.8
77	97.8	53.6	93.6#
79	30.3	8.0	48.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.23 min Scan# 520

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

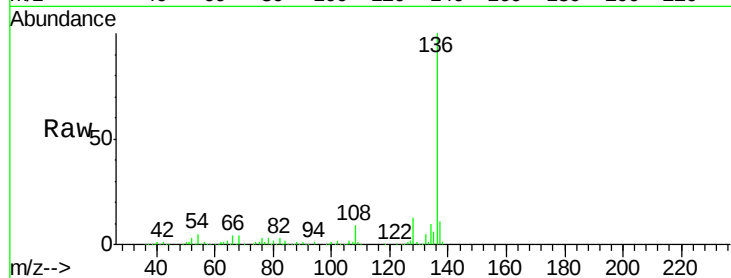
Instrument :

BNA_F

ClientSampleId :

POST-EX-19-20160310MSD

Tgt Ion:	136	Resp:	651154
Ion Ratio	Lower	Upper	
136	100		
137	10.6	9.3	13.9
54	5.1	7.4	11.2#
68	4.4	6.0	9.0#



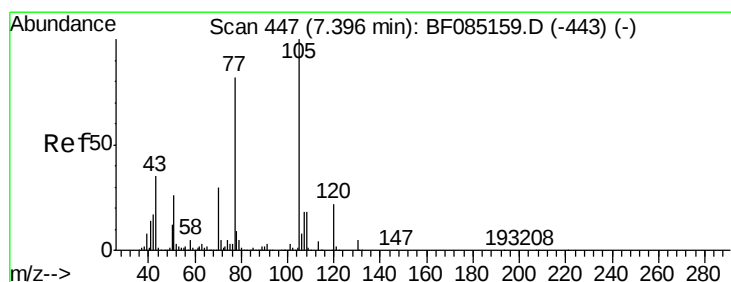
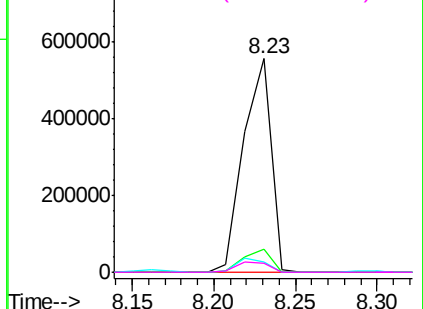
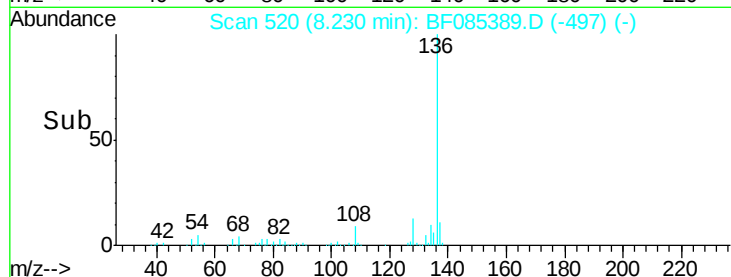
Abundance

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: 44.16 ng

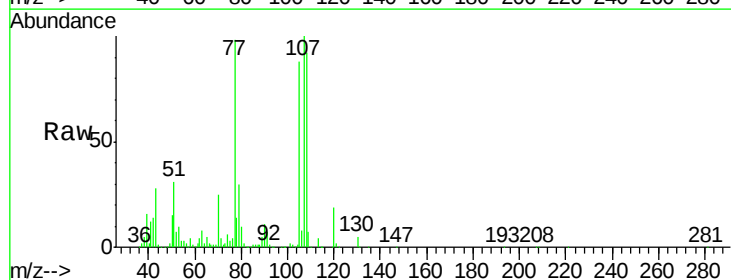
RT: 7.35 min Scan# 443

Delta R.T. -0.05 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Tgt Ion:	105	Resp:	701924
Ion Ratio	Lower	Upper	
105	100		
71	4.9	4.1	6.1
51	35.0	21.1	31.7#
120	21.1	17.3	25.9



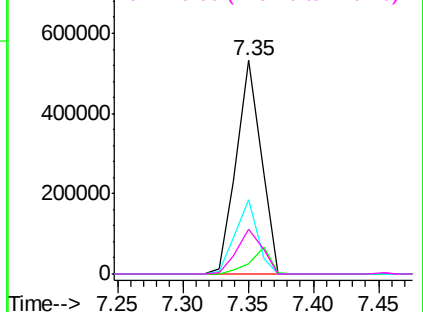
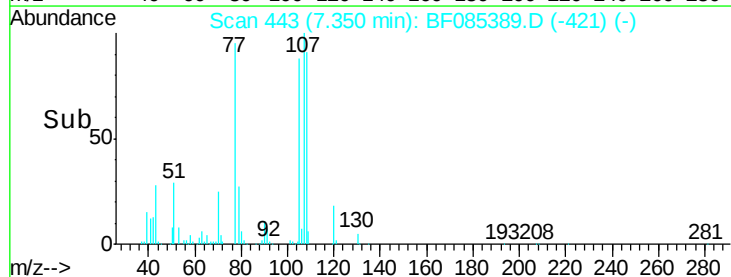
Abundance

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

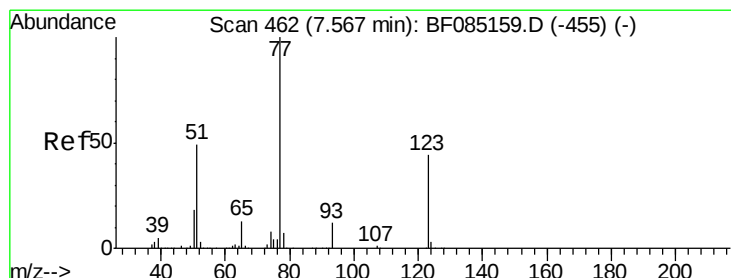
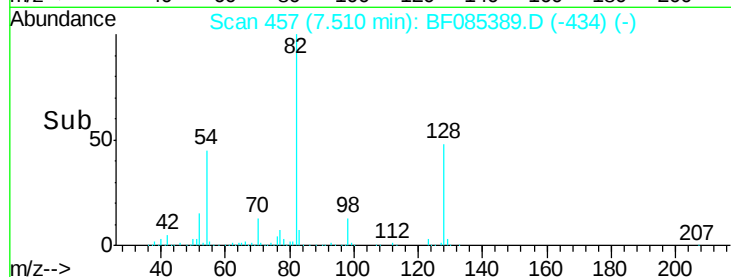
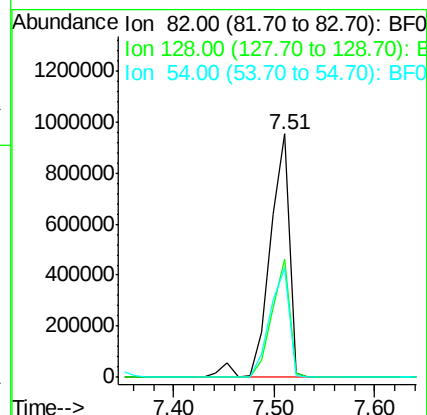
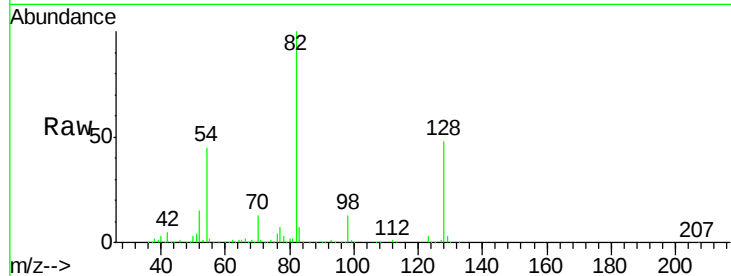




#23
 Nitrobenzene-d5
 Concen: 105.08 ng
 RT: 7.51 min Scan# 457
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

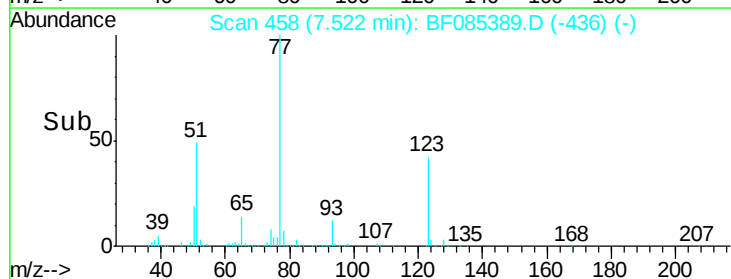
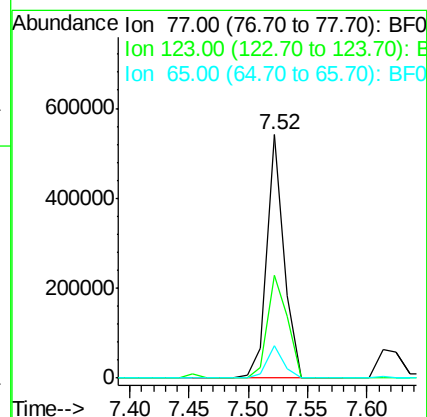
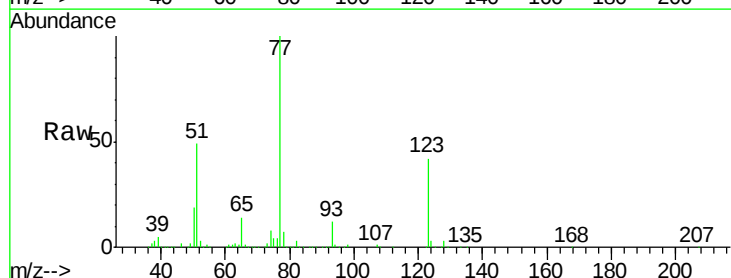
Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-19-20160310MSD

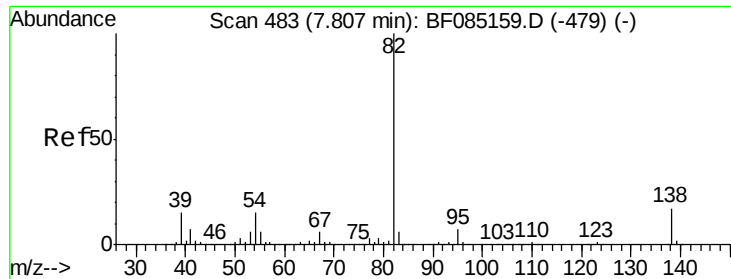
Tgt Ion: 82 Resp: 1278600
 Ion Ratio Lower Upper
 82 100
 128 48.3 34.5 51.7
 54 44.8 39.3 58.9



#24
 Nitrobenzene
 Concen: 44.40 ng
 RT: 7.52 min Scan# 458
 Delta R.T. -0.05 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Tgt Ion: 77 Resp: 548863
 Ion Ratio Lower Upper
 77 100
 123 42.2 35.4 53.2
 65 13.5 10.6 16.0





#25

Isophorone

Concen: 50.71 ng

RT: 7.76 min Scan# 479

Delta R.T. -0.05 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-19-20160310MSD

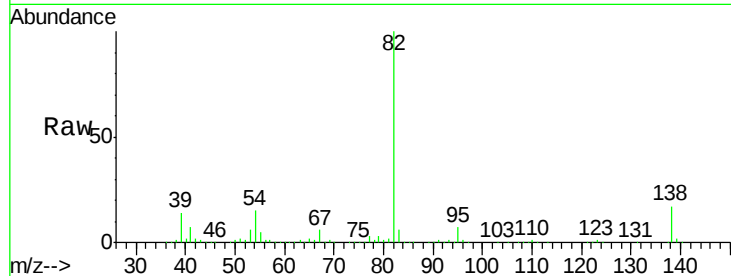
Tgt Ion: 82 Resp: 1143477

Ion Ratio Lower Upper

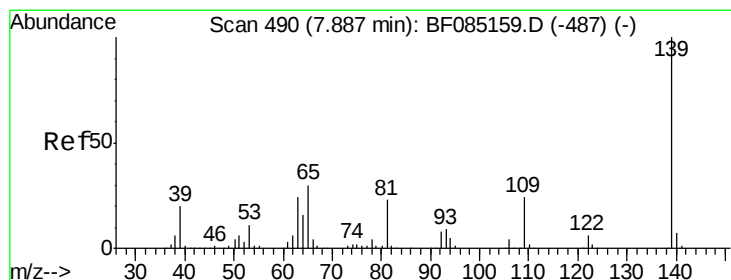
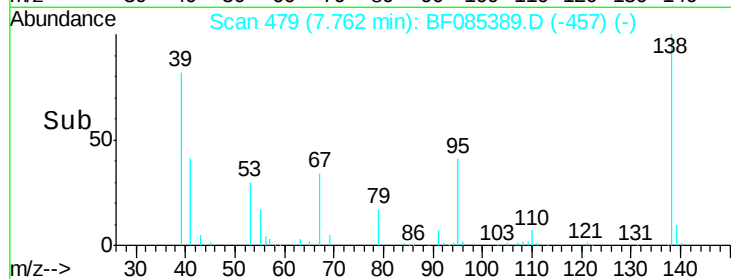
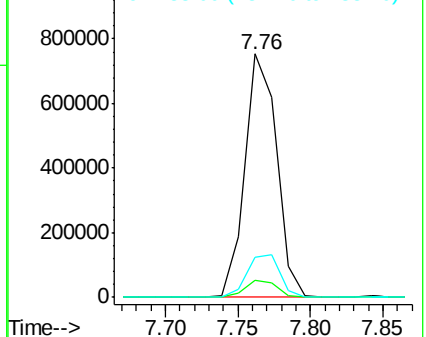
82 100

95 6.8 5.4 8.2

138 16.7 13.3 19.9



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: 54.56 ng

RT: 7.84 min Scan# 486

Delta R.T. -0.05 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

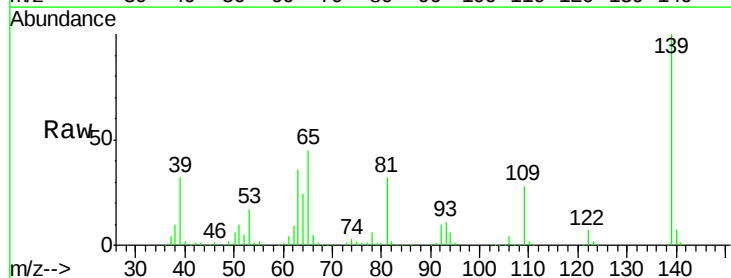
Tgt Ion: 139 Resp: 328177

Ion Ratio Lower Upper

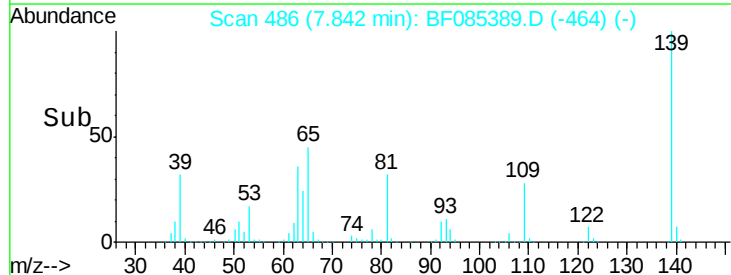
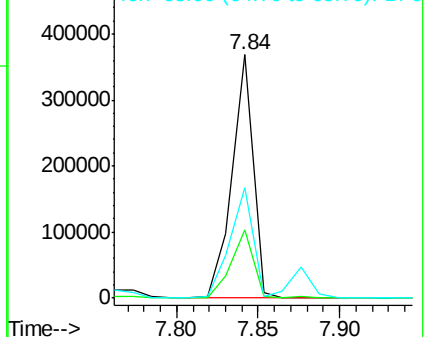
139 100

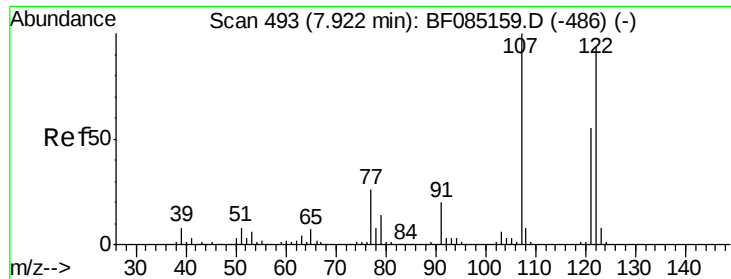
109 27.9 19.1 28.7

65 45.5 23.9 35.9#



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

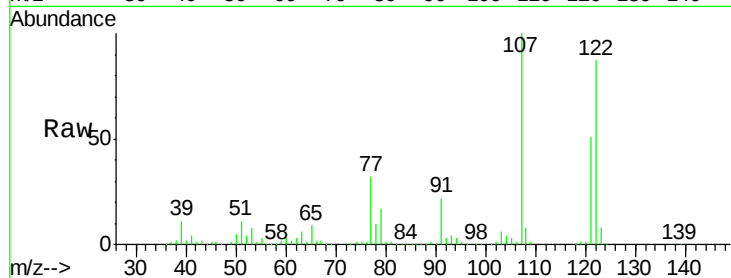




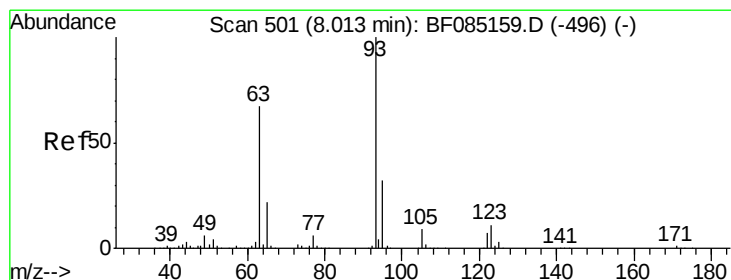
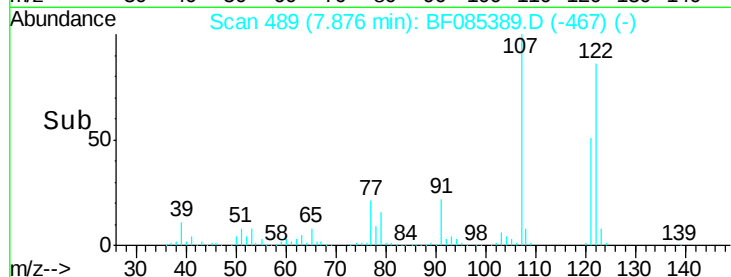
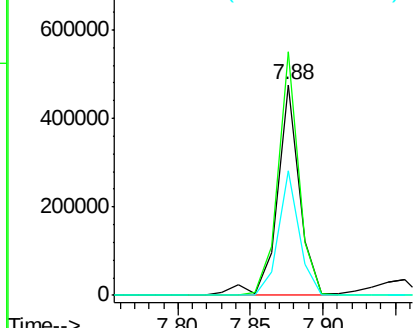
#27
2,4-Dimethylphenol
Concen: 45.89 ng
RT: 7.88 min Scan# 489
Delta R.T. -0.05 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Instrument :
BNA_F
ClientSampleId :
POST-EX-19-20160310MSD

Tgt Ion:122 Resp: 504486
Ion Ratio Lower Upper
122 100
107 115.6 84.8 127.2
121 59.1 47.0 70.6

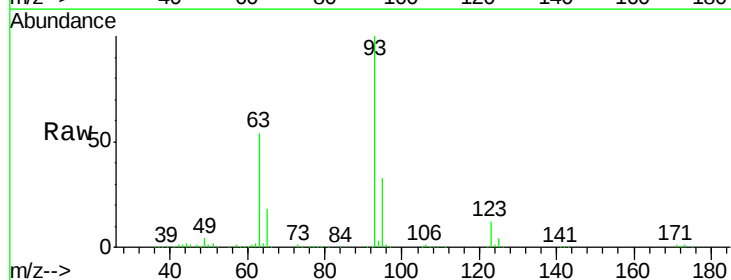


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

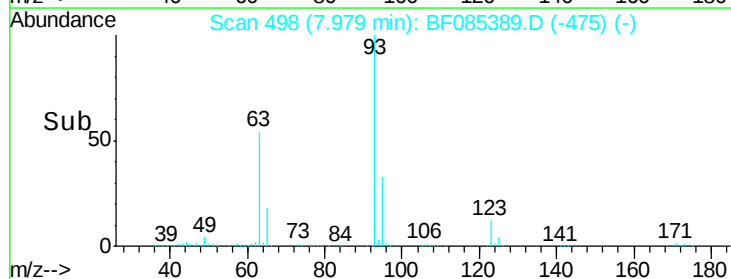
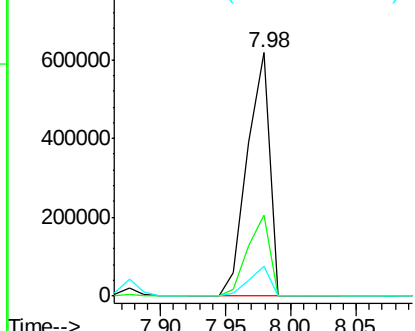


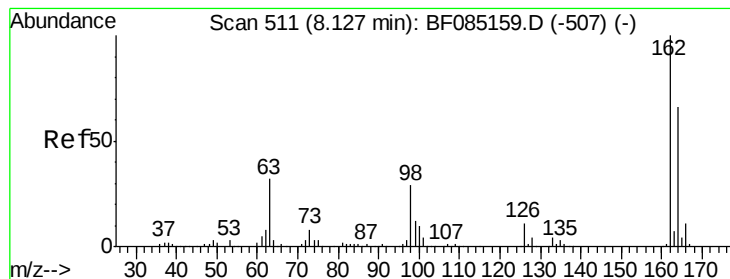
#28
bis(2-Chloroethoxy)methane
Concen: 58.50 ng
RT: 7.98 min Scan# 498
Delta R.T. -0.03 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Tgt Ion: 93 Resp: 734675
Ion Ratio Lower Upper
93 100
95 33.3 25.9 38.9
123 12.3 8.8 13.2



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: 50.90 ng

RT: 8.08 min Scan# 507

Delta R.T. -0.05 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-19-20160310MSD

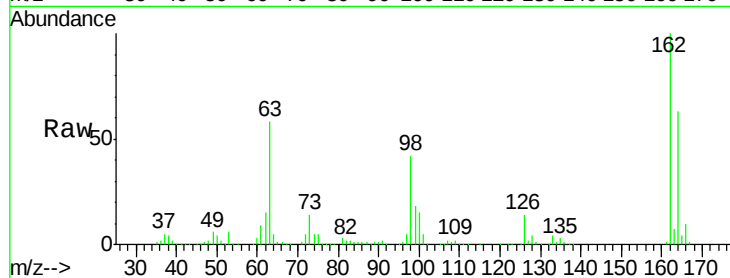
Tgt Ion:162 Resp: 451275

Ion Ratio Lower Upper

162 100

164 62.6 45.7 85.7

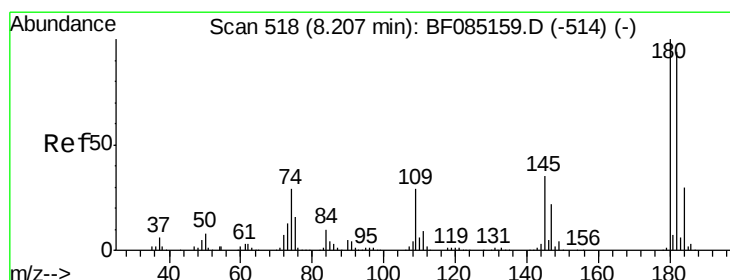
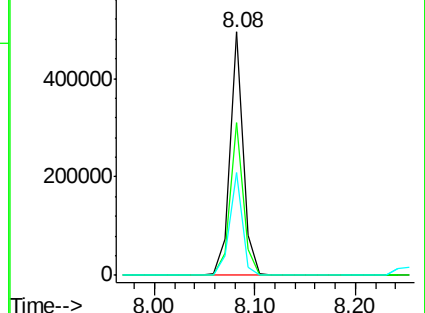
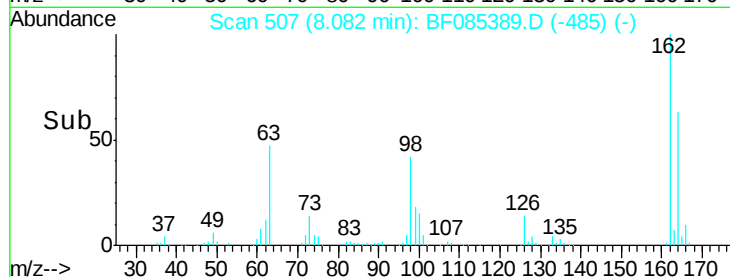
98 42.4 9.4 49.4



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: 50.00 ng

RT: 8.16 min Scan# 514

Delta R.T. -0.05 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

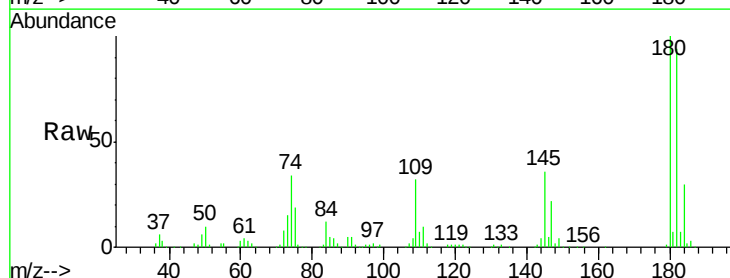
Tgt Ion:180 Resp: 479327

Ion Ratio Lower Upper

180 100

182 93.7 74.9 112.3

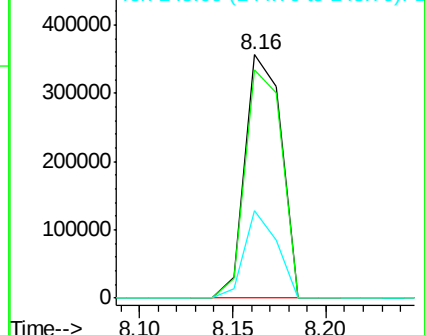
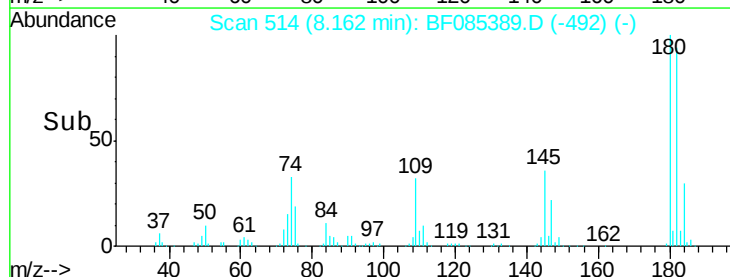
145 35.7 27.9 41.9

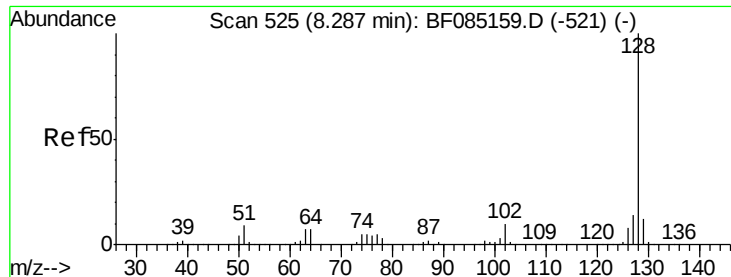


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

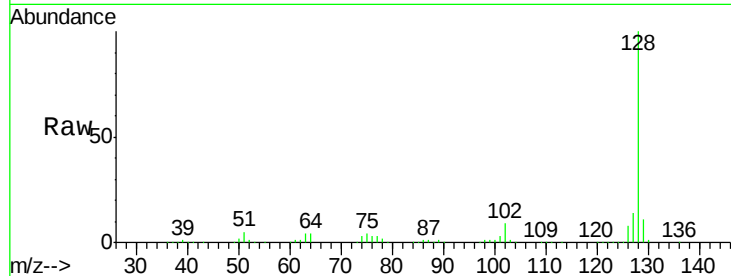




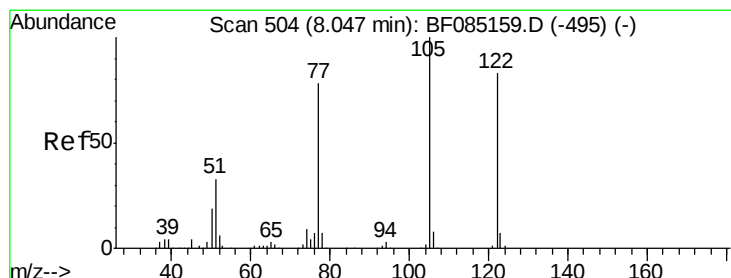
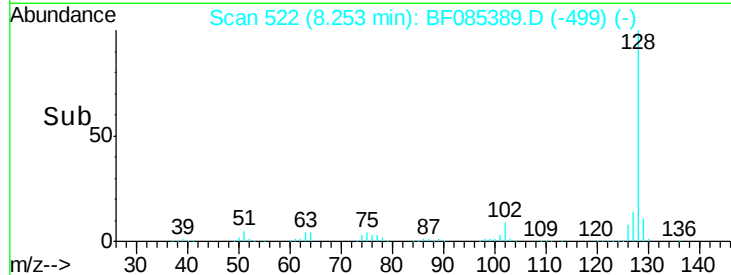
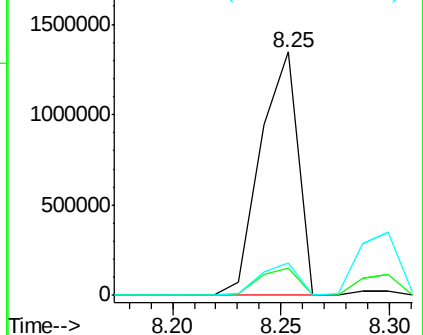
#31
Naphthalene
Concen: 50.81 ng
RT: 8.25 min Scan# 522
Delta R.T. -0.03 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Instrument :
BNA_F
ClientSampleId :
POST-EX-19-20160310MSD

Tgt Ion:128 Resp: 1626765
Ion Ratio Lower Upper
128 100
129 11.0 9.7 14.5
127 13.6 11.2 16.8

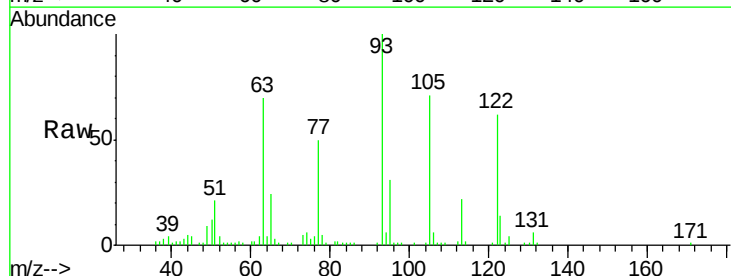


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

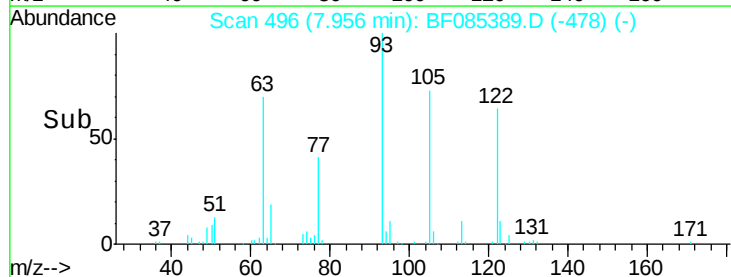
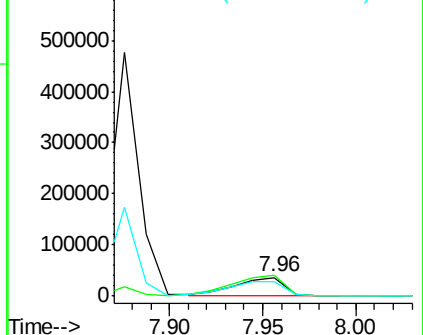


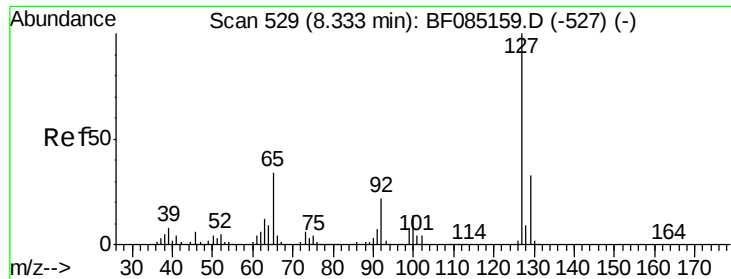
#32
Benzoic acid
Concen: 8.82 ng
RT: 7.96 min Scan# 496
Delta R.T. -0.09 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Tgt Ion:122 Resp: 64382
Ion Ratio Lower Upper
122 100
105 115.1 101.3 141.3
77 81.1 74.7 114.7



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

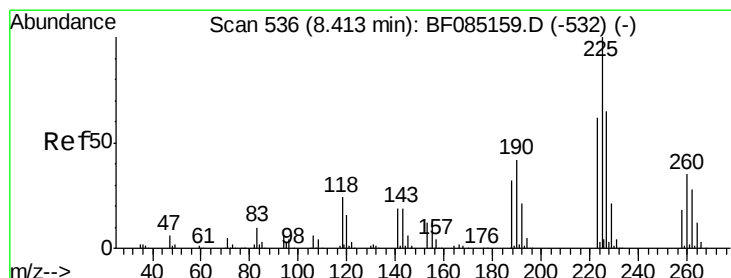
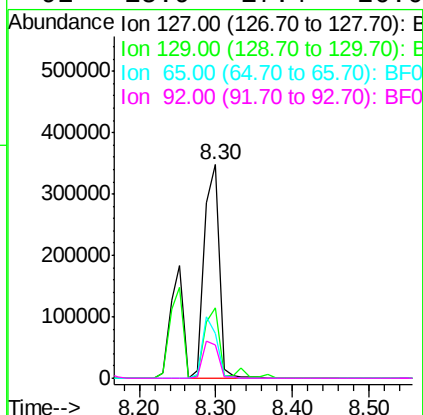
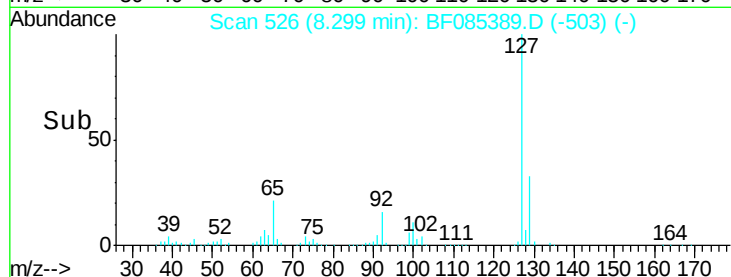
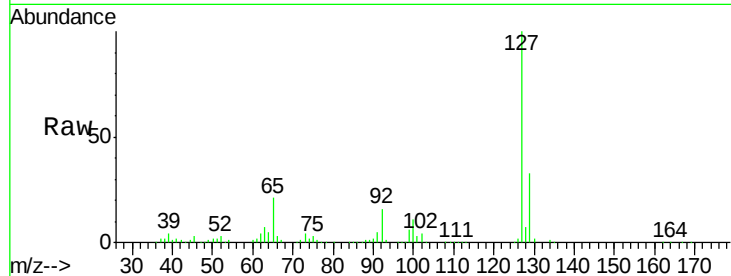




#33
4-Chloroaniline
Concen: 35.67 ng
RT: 8.30 min Scan# 526
Delta R.T. -0.03 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

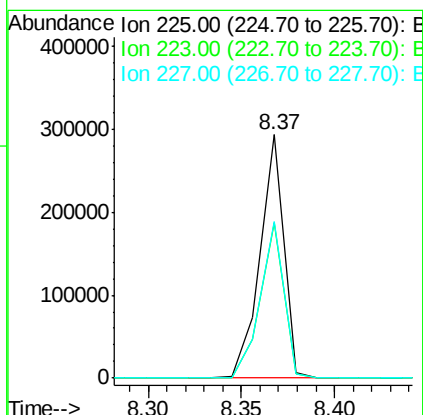
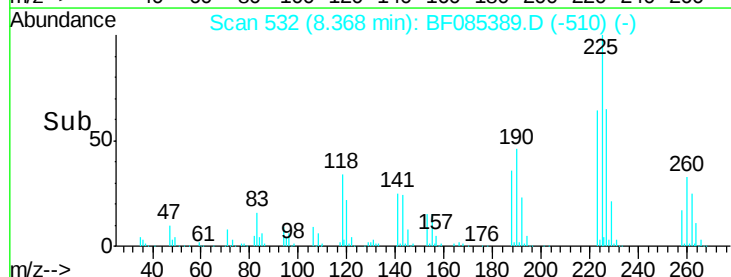
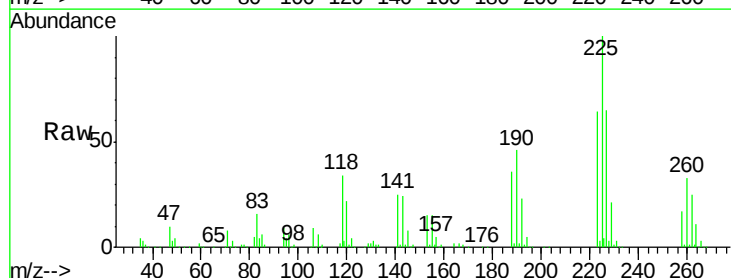
Instrument :
BNA_F
ClientSampleId :
POST-EX-19-20160310MSD

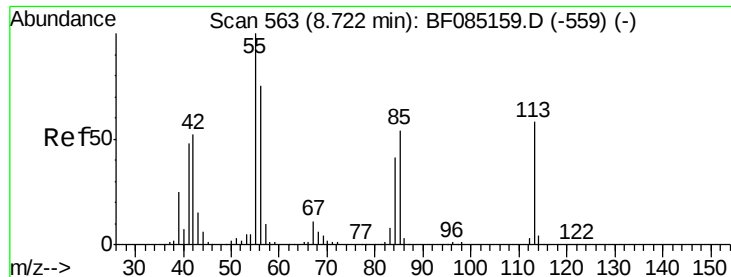
Tgt Ion:	127	Resp:	461948
Ion	Ratio	Lower	Upper
127	100		
129	33.2	26.1	39.1
65	21.0	27.0	40.6#
92	15.9	17.4	26.0#



#34
Hexachlorobutadiene
Concen: 51.78 ng
RT: 8.37 min Scan# 532
Delta R.T. -0.05 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Tgt Ion:	225	Resp:	258271
Ion	Ratio	Lower	Upper
225	100		
223	63.7	49.7	74.5
227	64.5	52.2	78.4

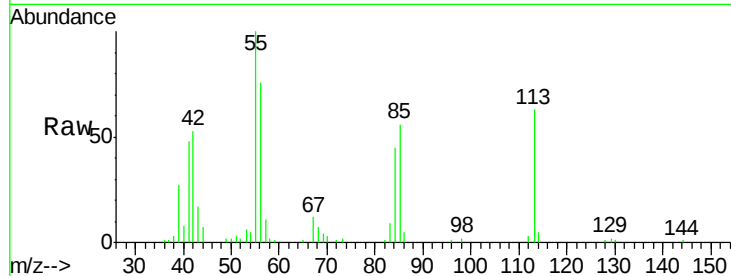




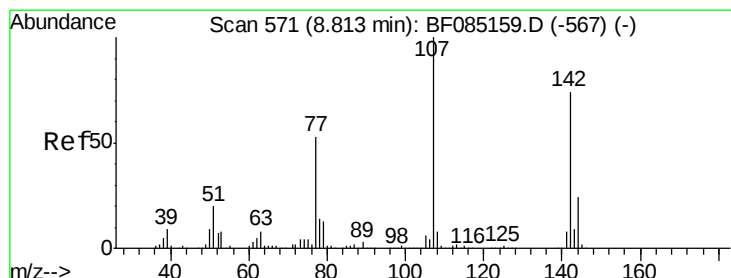
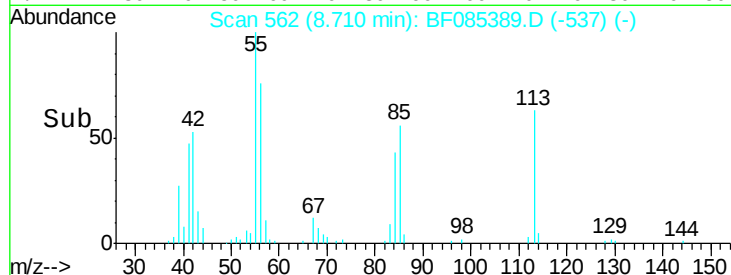
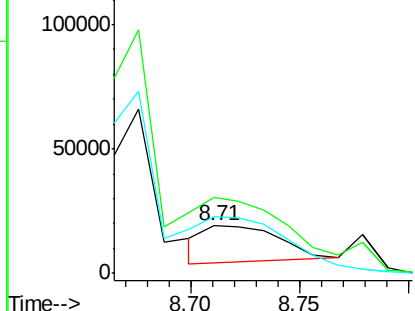
#35
 Caprolactam
 Concen: 11.80 ng
 RT: 8.71 min Scan# 562
 Delta R.T. -0.01 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-19-20160310MSD

Tgt Ion:113 Resp: 34167
 Ion Ratio Lower Upper
 113 100
 55 158.5 152.7 192.7
 56 119.7 109.0 149.0

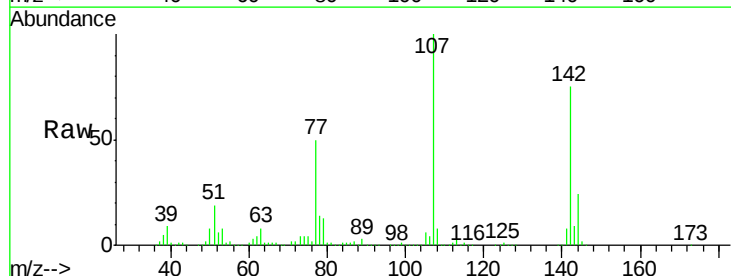


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

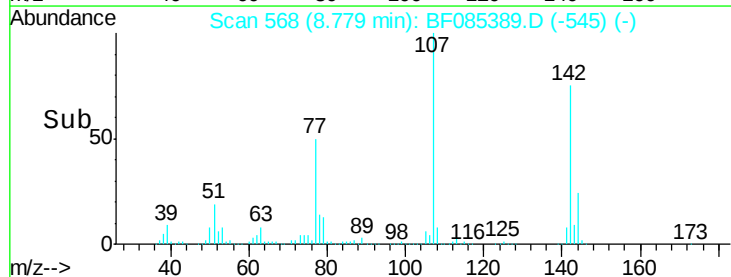
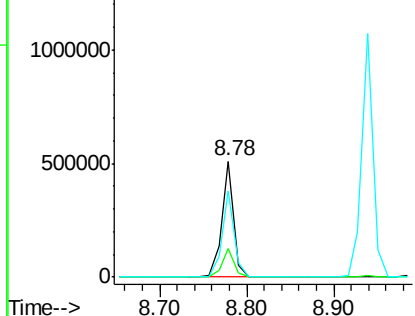


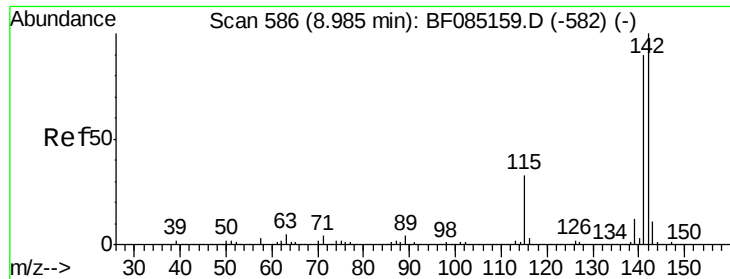
#36
 4-Chloro-3-methylphenol
 Concen: 48.56 ng
 RT: 8.78 min Scan# 568
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Tgt Ion:107 Resp: 488400
 Ion Ratio Lower Upper
 107 100
 144 24.4 19.4 29.2
 142 74.9 59.4 89.2



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

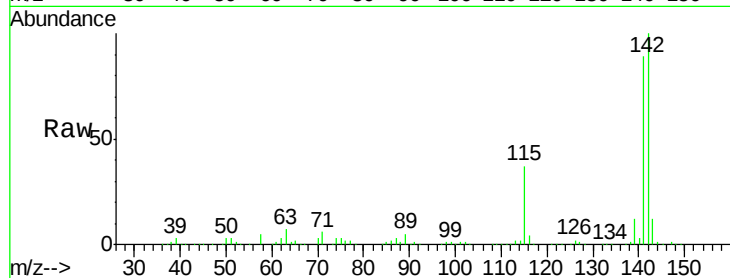




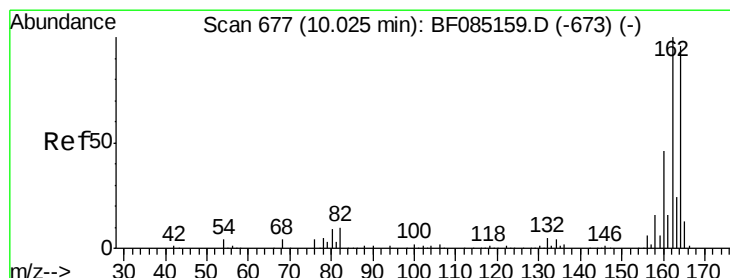
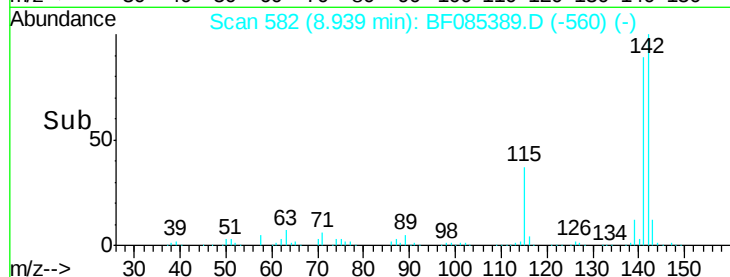
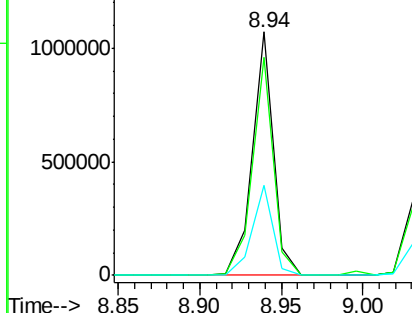
#37
2-Methylnaphthalene
Concen: 46.68 ng
RT: 8.94 min Scan# 582
Delta R.T. -0.05 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Instrument :
BNA_F
ClientSampleId :
POST-EX-19-20160310MSD

Tgt Ion:142 Resp: 959217
Ion Ratio Lower Upper
142 100
141 89.3 71.7 107.5
115 37.1 26.2 39.4

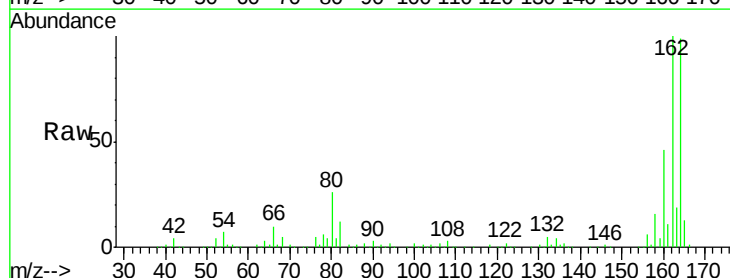


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

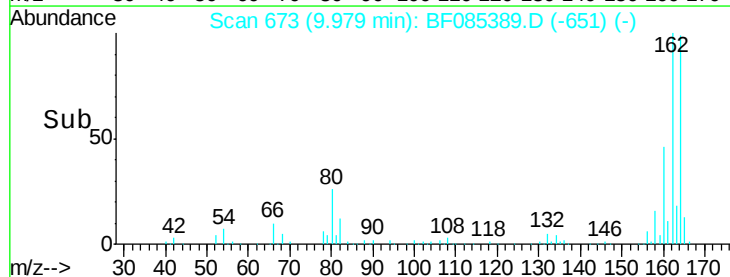
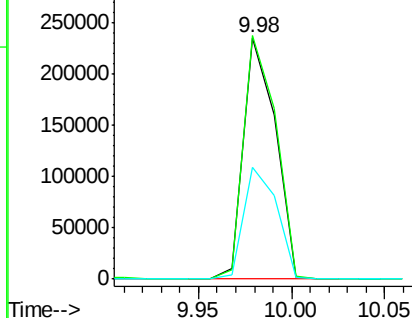


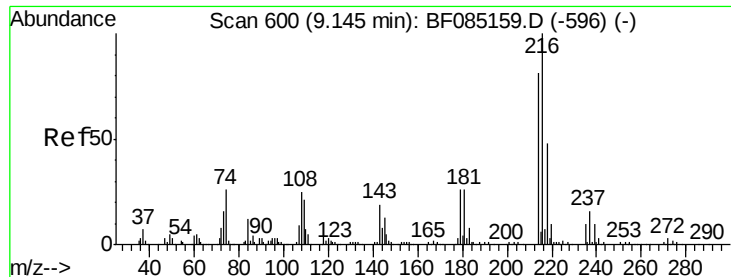
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.98 min Scan# 673
Delta R.T. -0.05 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Tgt Ion:164 Resp: 279304
Ion Ratio Lower Upper
164 100
162 100.8 83.3 124.9
160 46.2 37.9 56.9



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 55.85 ng

RT: 9.11 min Scan# 597

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-19-20160310MSD

Tgt Ion:216 Resp: 446092

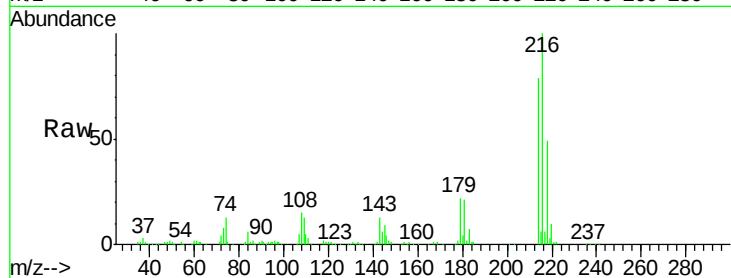
Ion Ratio Lower Upper

216 100

214 79.6 63.8 95.6

179 23.3 19.6 29.4

108 21.4 19.6 29.4

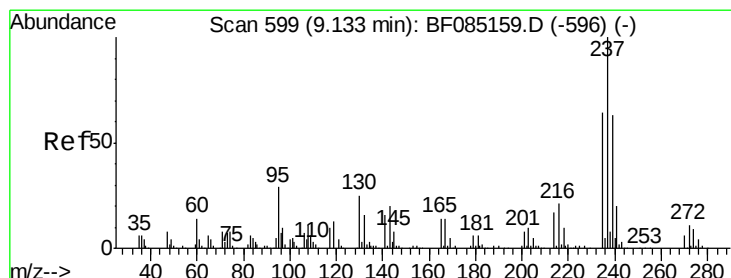
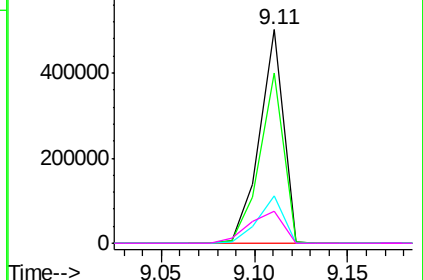
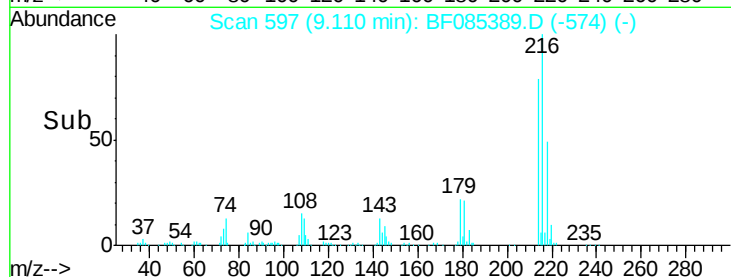


Abundance Ion 216.00 (215.70 to 216.70): E

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: 63.35 ng

RT: 9.10 min Scan# 596

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

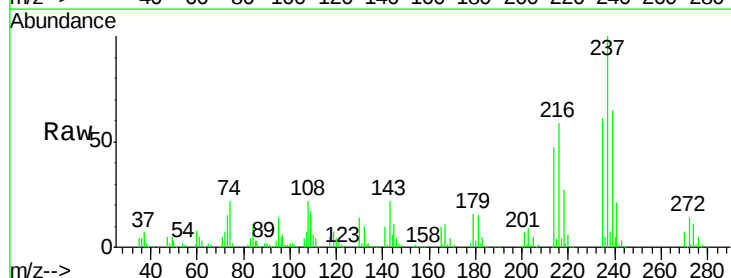
Tgt Ion:237 Resp: 272934

Ion Ratio Lower Upper

237 100

235 61.5 43.7 83.7

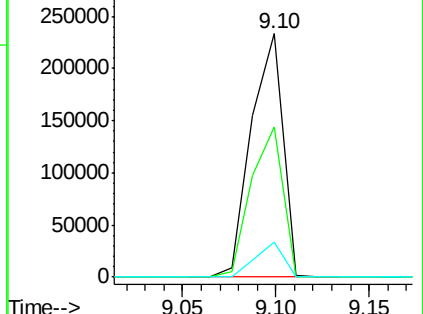
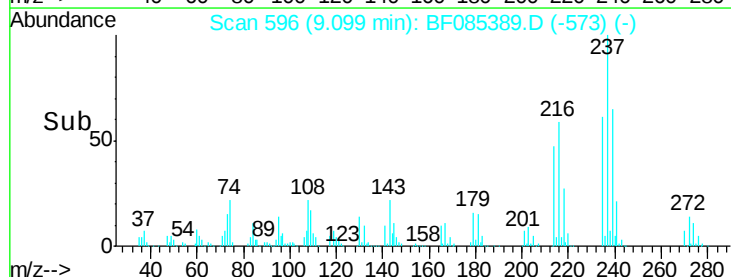
272 14.2 0.0 31.5

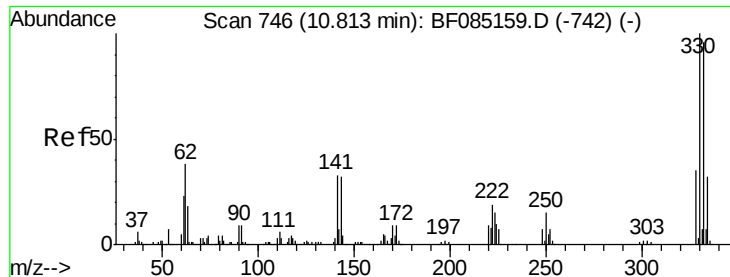


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

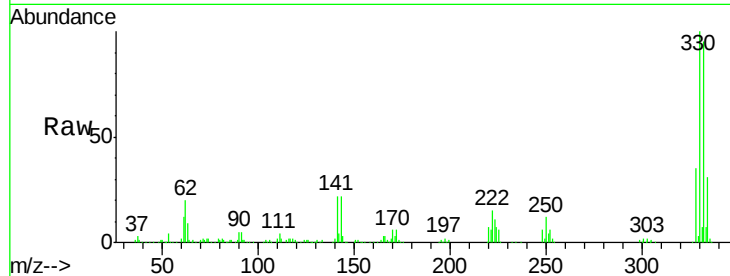




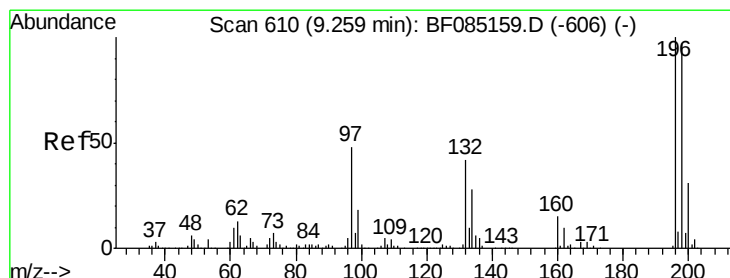
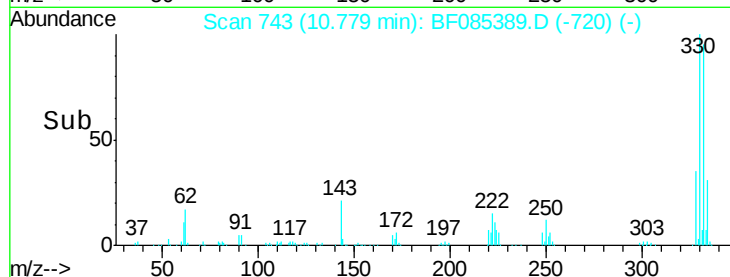
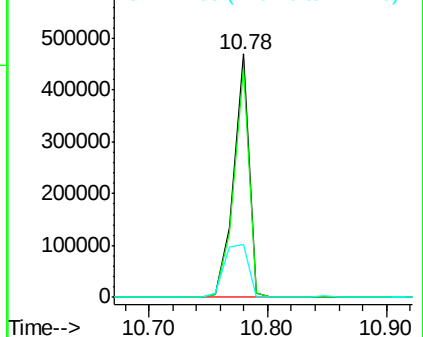
#41
 2,4,6-Tribromophenol
 Concen: 177.45 ng
 RT: 10.78 min Scan# 743
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-19-20160310MSD

Tgt Ion:330 Resp: 424083
 Ion Ratio Lower Upper
 330 100
 332 94.4 77.1 115.7
 141 34.1 35.0 52.6#

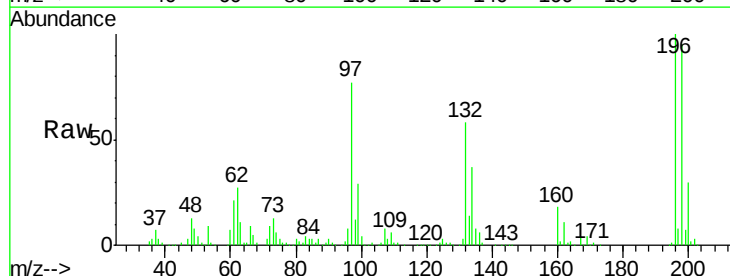


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

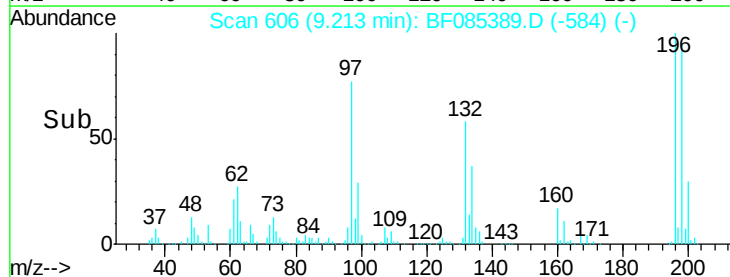
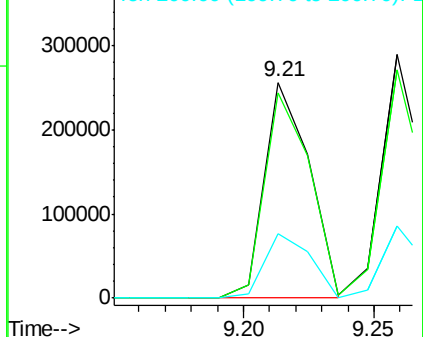


#42
 2,4,6-Trichlorophenol
 Concen: 51.68 ng
 RT: 9.21 min Scan# 606
 Delta R.T. -0.05 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Tgt Ion:196 Resp: 307307
 Ion Ratio Lower Upper
 196 100
 198 95.1 77.8 116.6
 200 29.7 25.0 37.6



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

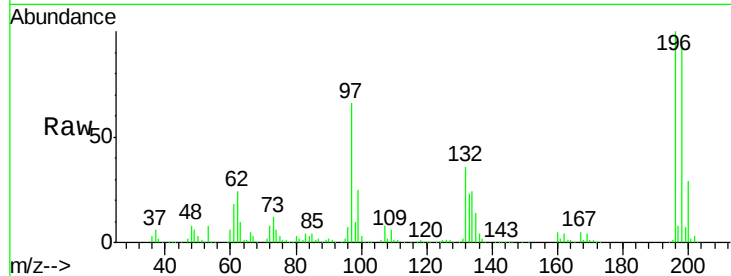




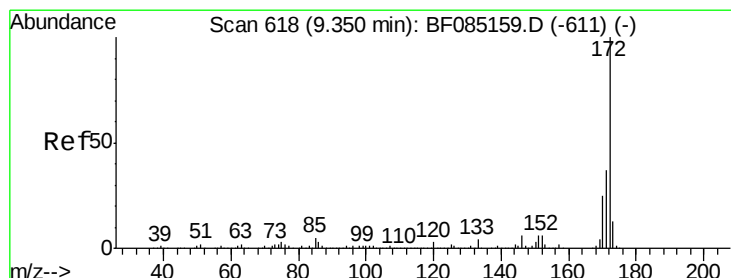
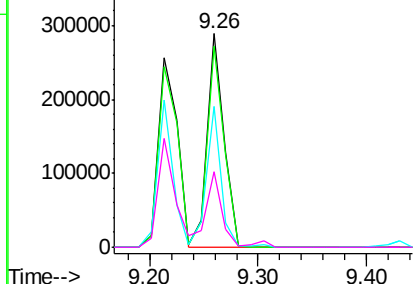
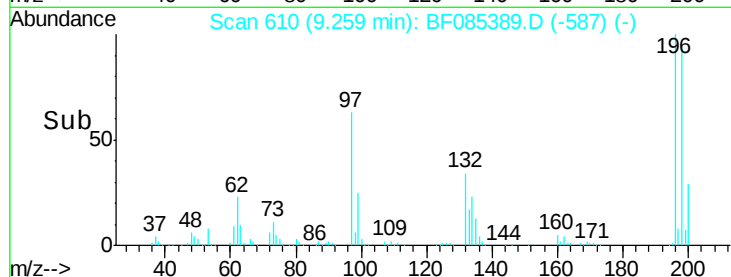
#43
 2,4,5-Trichlorophenol
 Concen: 55.77 ng
 RT: 9.26 min Scan# 610
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-19-20160310MSD

Tgt Ion:196 Resp: 314418
 Ion Ratio Lower Upper
 196 100
 198 93.8 75.7 113.5
 97 65.8 46.4 69.6
 132 35.5 26.2 39.4

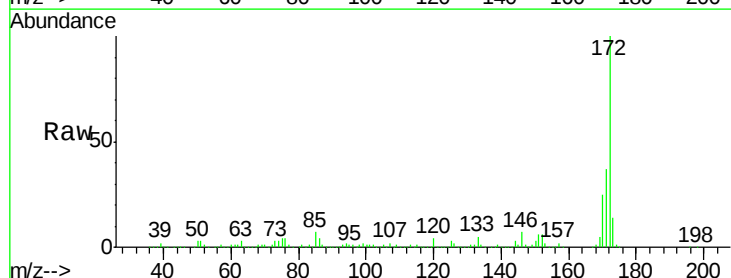


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

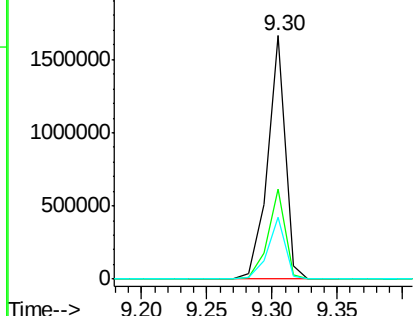
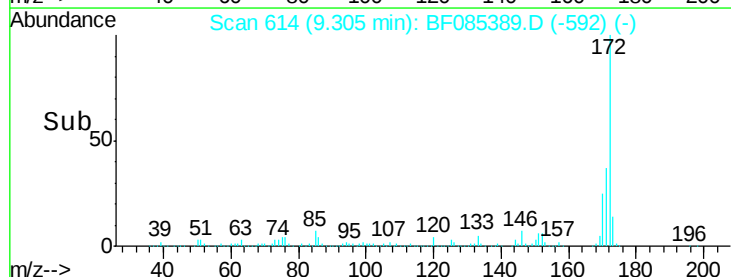


#44
 2-Fluorobiphenyl
 Concen: 86.03 ng
 RT: 9.30 min Scan# 614
 Delta R.T. -0.05 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Tgt Ion:172 Resp: 1579981
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.3 43.9
 170 25.2 20.0 30.0



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

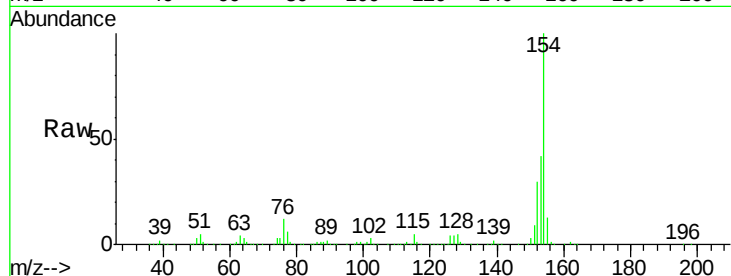




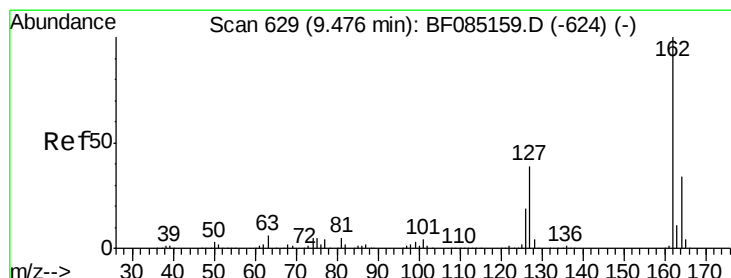
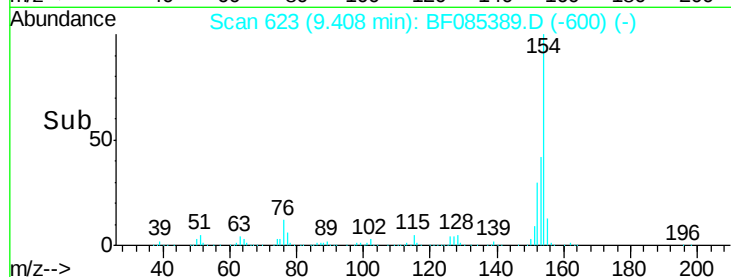
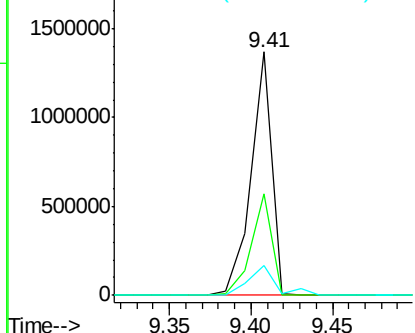
#45
 1,1'-Biphenyl
 Concen: 50.46 ng
 RT: 9.41 min Scan# 623
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-19-20160310MSD

Tgt Ion:154 Resp: 1203997
 Ion Ratio Lower Upper
 154 100
 153 41.8 21.4 61.4
 76 12.4 0.0 37.5

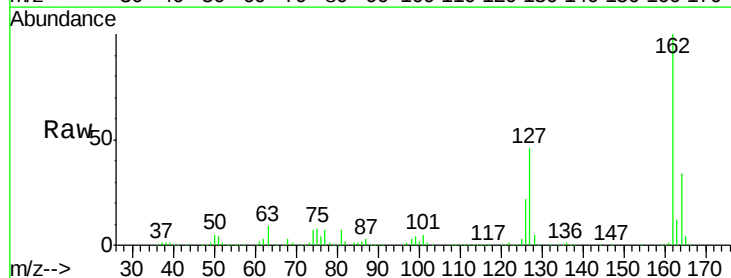


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

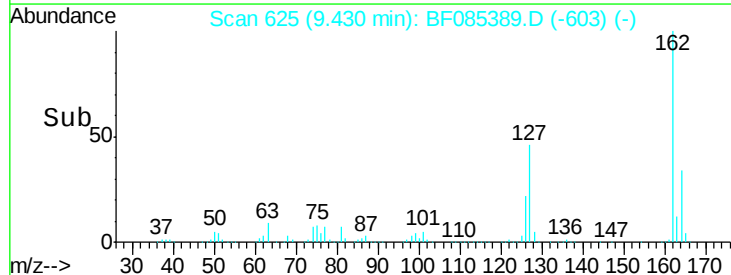
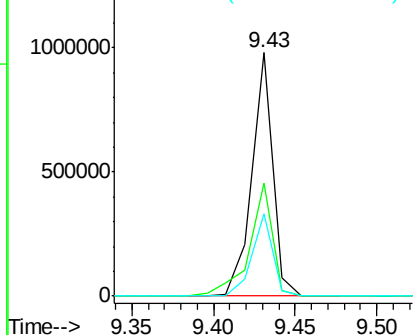


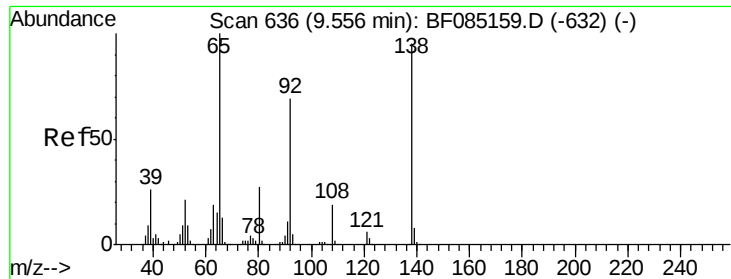
#46
 2-Chloronaphthalene
 Concen: 47.89 ng
 RT: 9.43 min Scan# 625
 Delta R.T. -0.05 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Tgt Ion:162 Resp: 871084
 Ion Ratio Lower Upper
 162 100
 127 46.5 31.6 47.4
 164 33.8 27.1 40.7



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: 48.35 ng

RT: 9.52 min Scan# 633

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-19-20160310MSD

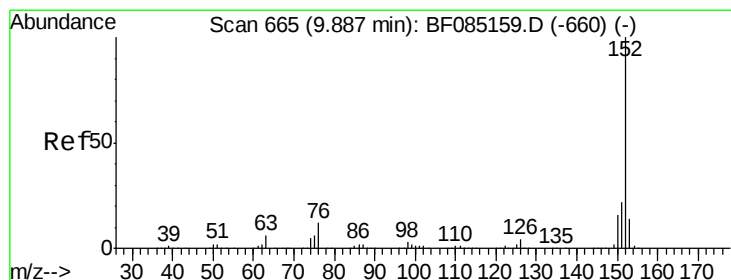
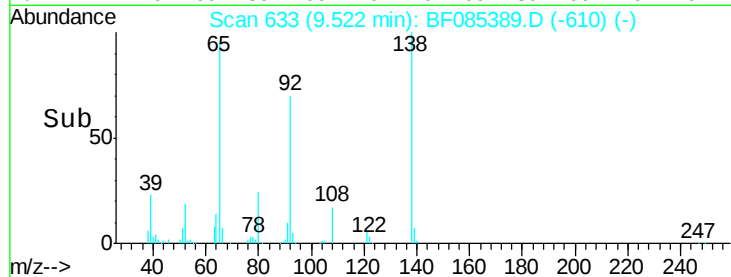
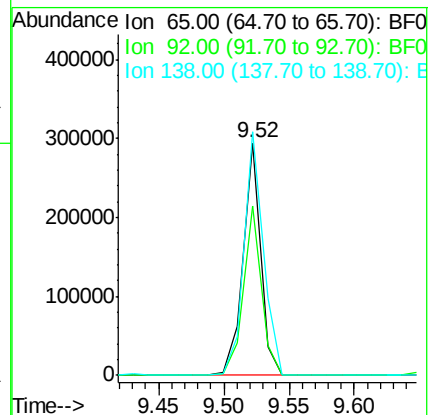
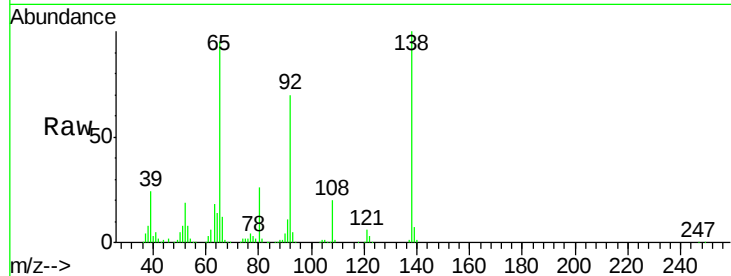
Tgt Ion: 65 Resp: 272505

Ion Ratio Lower Upper

65 100

92 72.9 55.4 83.2

138 104.8 75.7 113.5



#48

Acenaphthylene

Concen: 50.48 ng

RT: 9.84 min Scan# 661

Delta R.T. -0.05 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

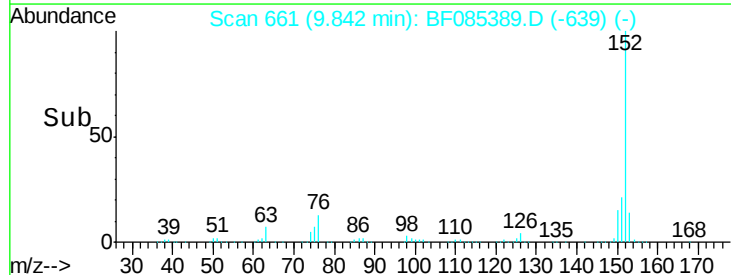
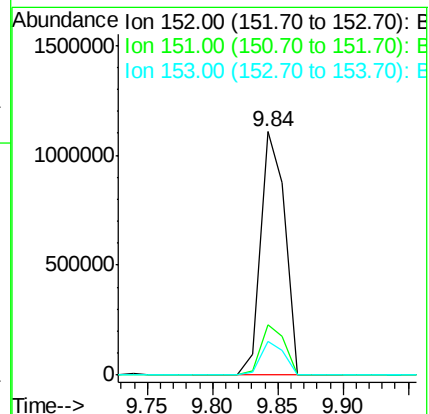
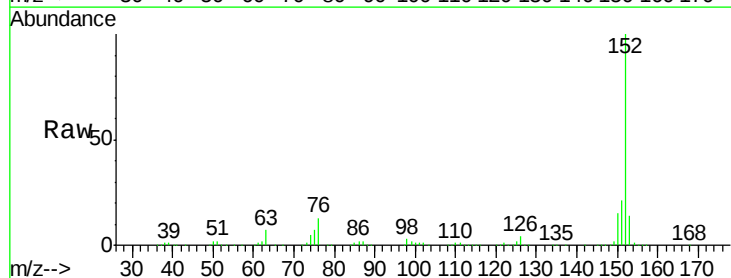
Tgt Ion: 152 Resp: 1429043

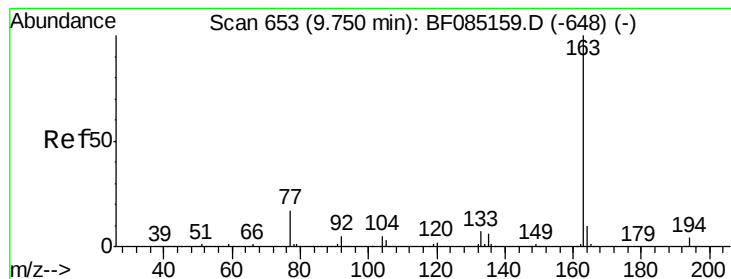
Ion Ratio Lower Upper

152 100

151 20.8 17.5 26.3

153 14.0 11.3 16.9





#49

Dimethylphthalate

Concen: 59.39 ng

RT: 9.70 min Scan# 649

Delta R.T. -0.05 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-19-20160310MSD

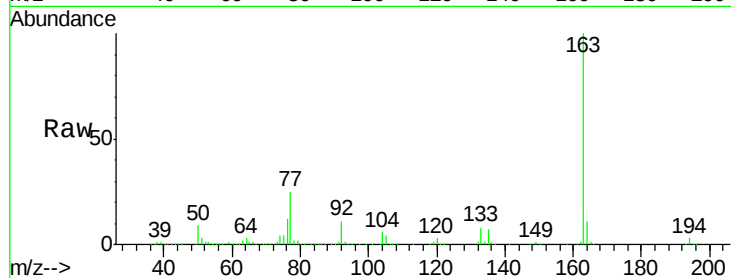
Tgt Ion:163 Resp: 1273205

Ion Ratio Lower Upper

163 100

194 3.4 3.1 4.7

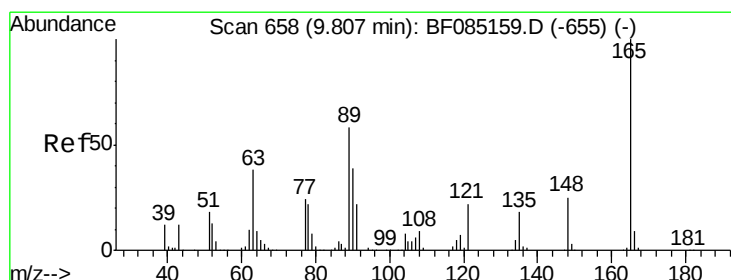
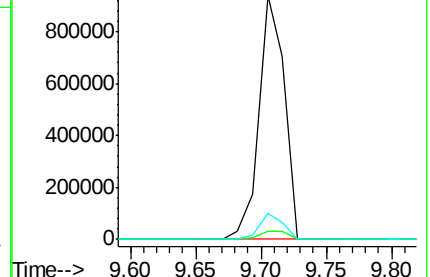
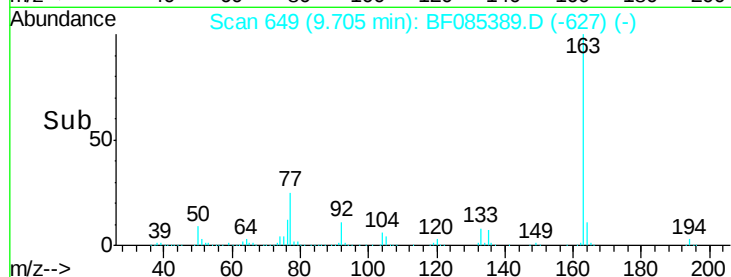
164 10.9 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 58.96 ng

RT: 9.77 min Scan# 655

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

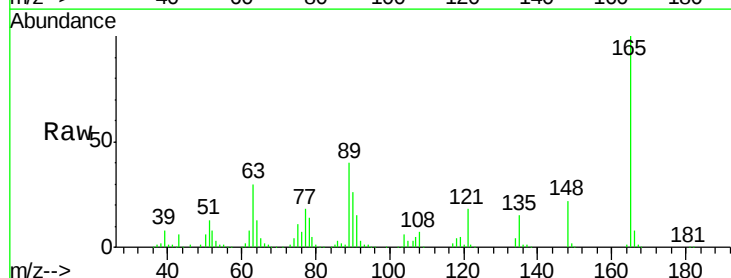
Tgt Ion:165 Resp: 270411

Ion Ratio Lower Upper

165 100

63 29.9 41.8 62.8#

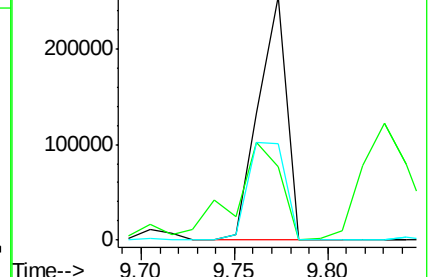
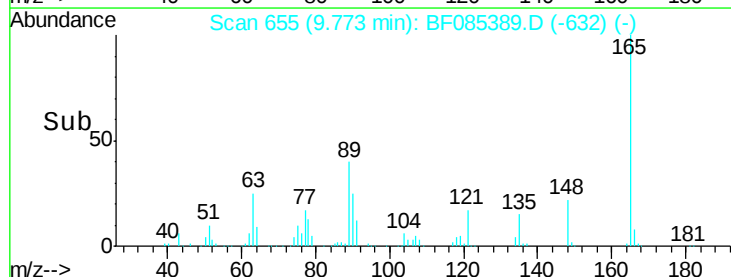
89 39.8 46.7 70.1#

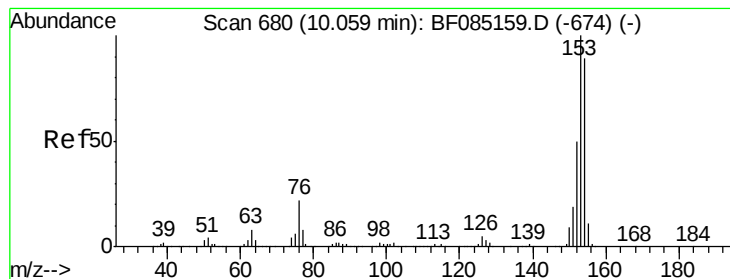


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 51.61 ng

RT: 10.02 min Scan# 677

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-19-20160310MSD

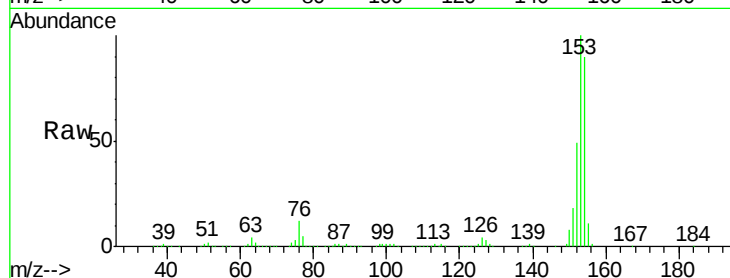
Tgt Ion:154 Resp: 887158

Ion Ratio Lower Upper

154 100

153 111.2 89.8 134.8

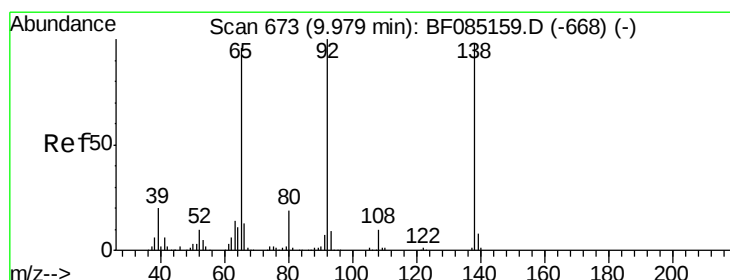
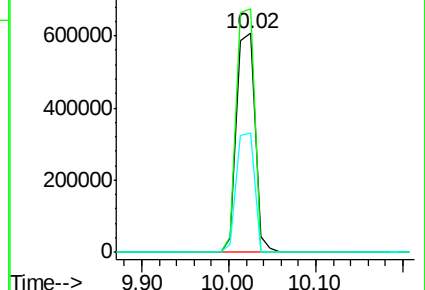
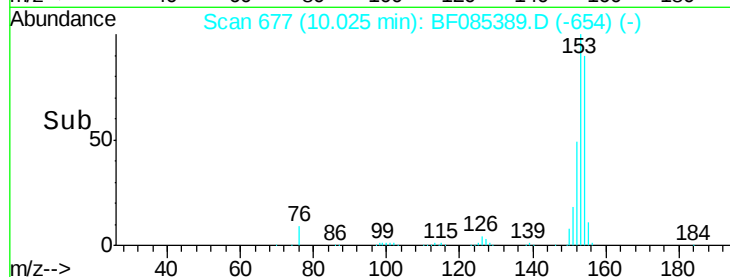
152 54.4 44.6 66.8



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: 37.53 ng

RT: 9.93 min Scan# 669

Delta R.T. -0.05 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

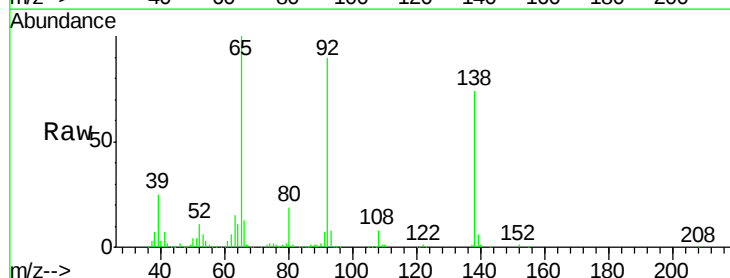
Tgt Ion:138 Resp: 205903

Ion Ratio Lower Upper

138 100

108 10.6 7.8 11.6

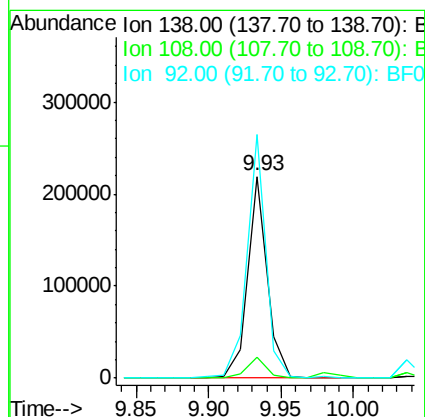
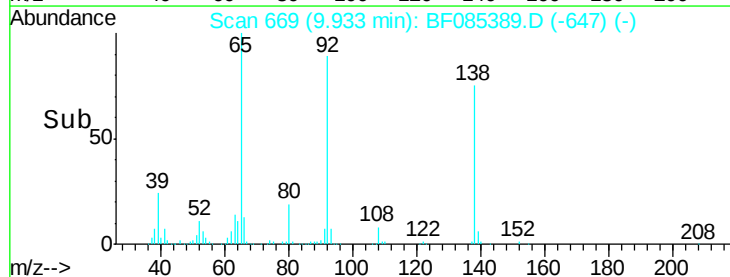
92 120.6 81.3 121.9

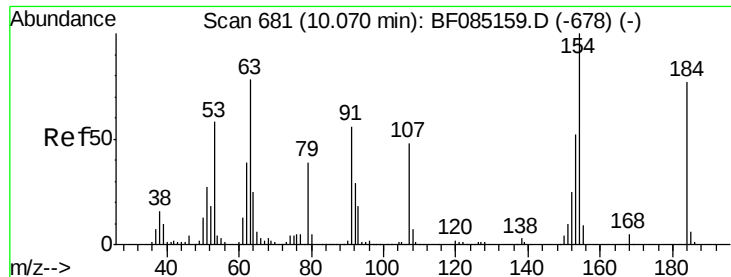


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

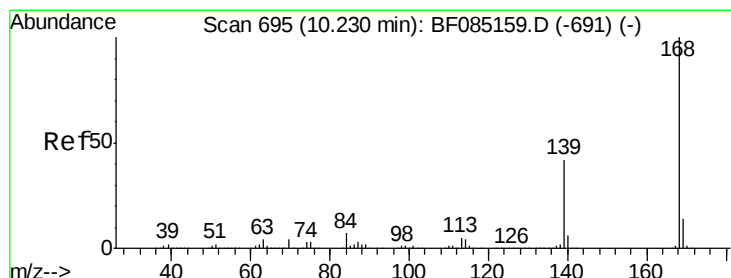
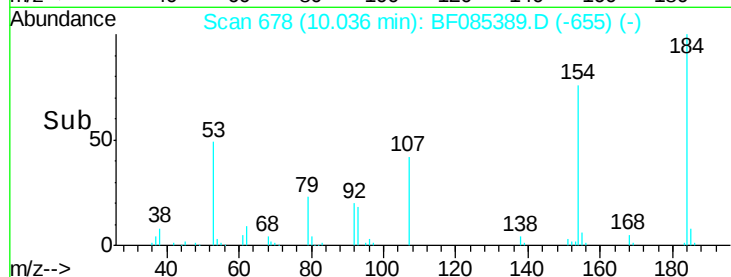
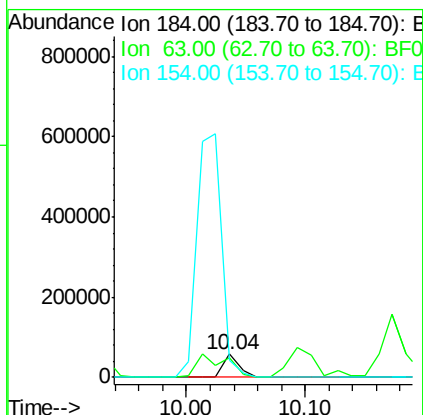
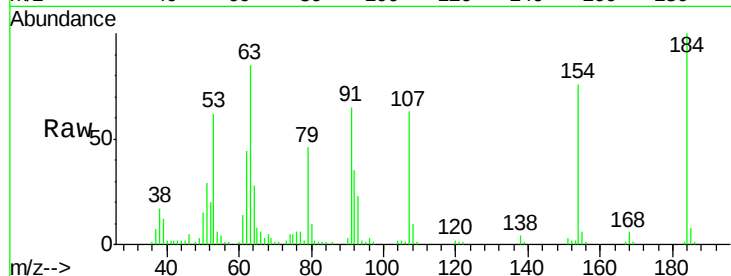




#53
 2,4-Dinitrophenol
 Concen: 29.73 ng
 RT: 10.04 min Scan# 678
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

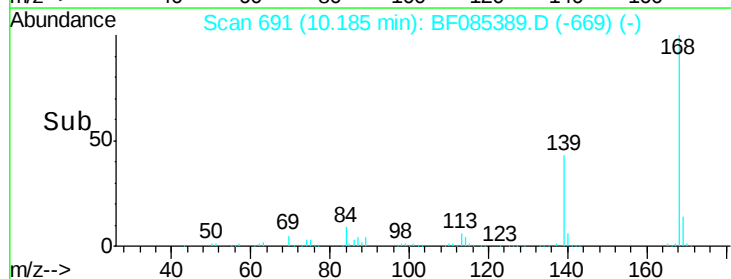
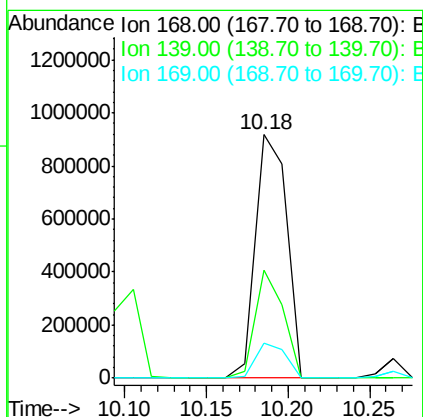
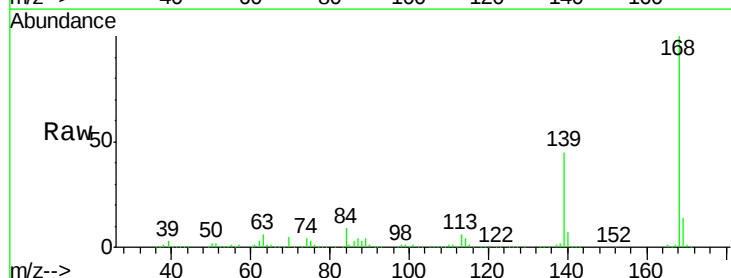
Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-19-20160310MSD

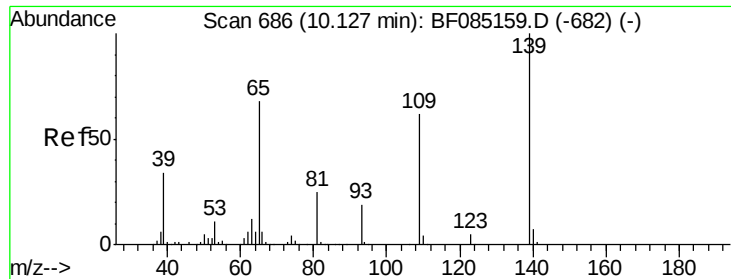
Tgt Ion:184 Resp: 56140
 Ion Ratio Lower Upper
 184 100
 63 85.1 82.2 123.4
 154 75.9 108.9 163.3#



#54
 Dibenzofuran
 Concen: 54.30 ng
 RT: 10.18 min Scan# 691
 Delta R.T. -0.05 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Tgt Ion:168 Resp: 1222868
 Ion Ratio Lower Upper
 168 100
 139 44.5 33.6 50.4
 169 14.3 11.2 16.8

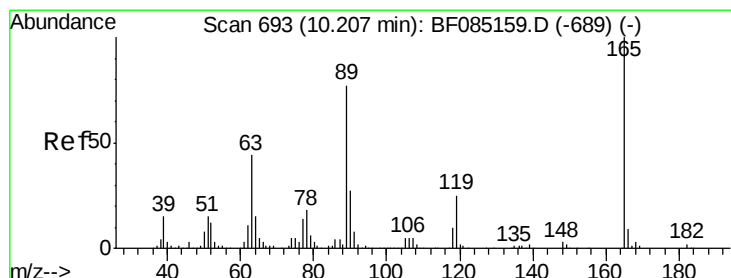
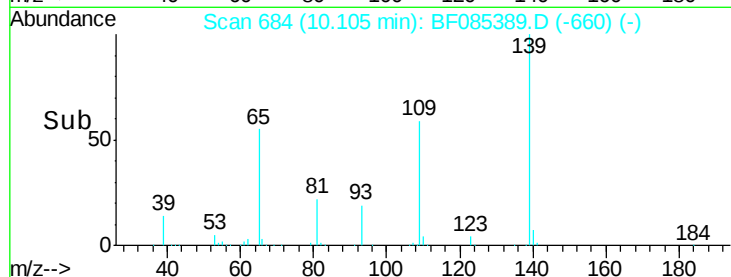
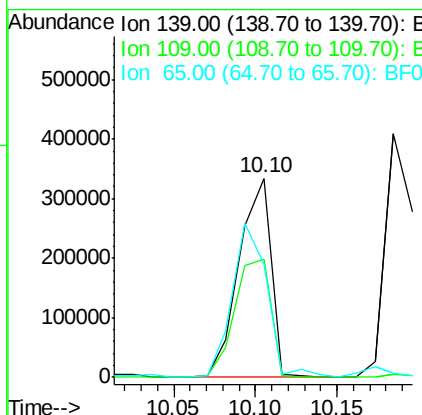
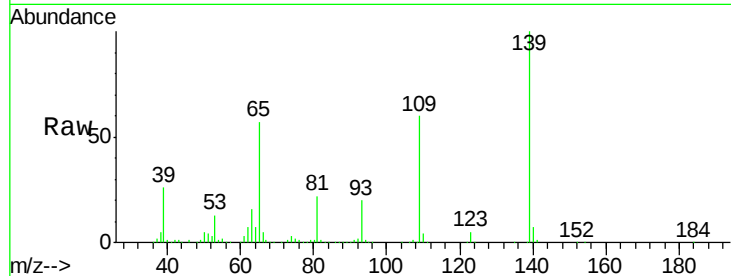




#55
4-Nitrophenol
Concen: 105.64 ng
RT: 10.10 min Scan# 684
Delta R.T. -0.02 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

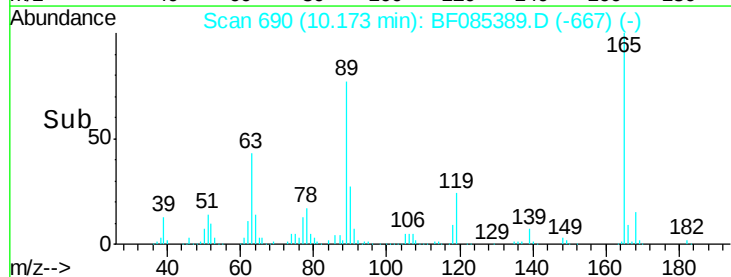
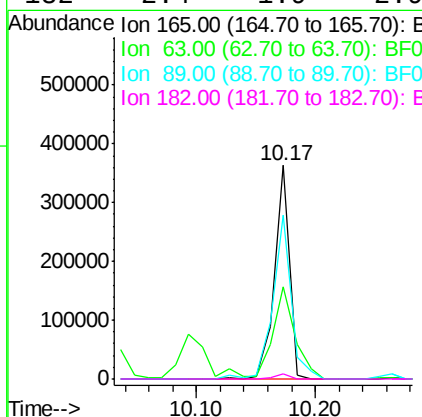
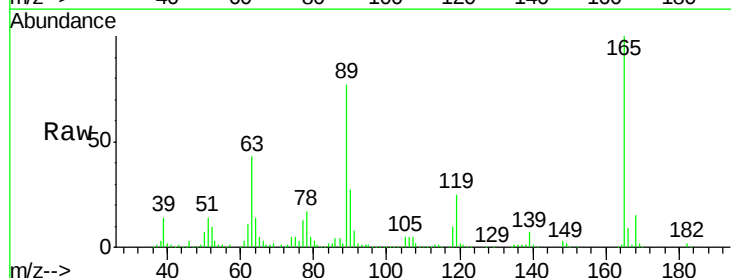
Instrument :
BNA_F
ClientSampleId :
POST-EX-19-20160310MSD

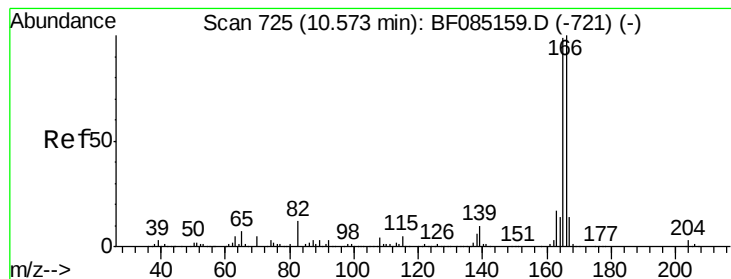
Tgt Ion:139 Resp: 455518
Ion Ratio Lower Upper
139 100
109 59.5 41.9 81.9
65 57.0 48.3 88.3



#56
2,4-Dinitrotoluene
Concen: 54.64 ng
RT: 10.17 min Scan# 690
Delta R.T. -0.03 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Tgt Ion:165 Resp: 320684
Ion Ratio Lower Upper
165 100
63 43.0 35.4 53.0
89 76.7 61.9 92.9
182 2.4 1.9 2.9





#57

Fluorene

Concen: 50.03 ng

RT: 10.54 min Scan# 722

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-19-20160310MSD

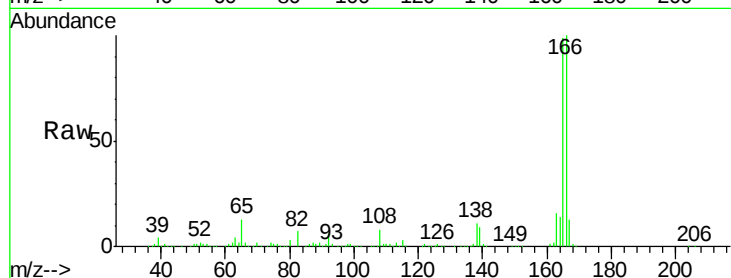
Tgt Ion:166 Resp: 884941

Ion Ratio Lower Upper

166 100

165 98.6 79.4 119.0

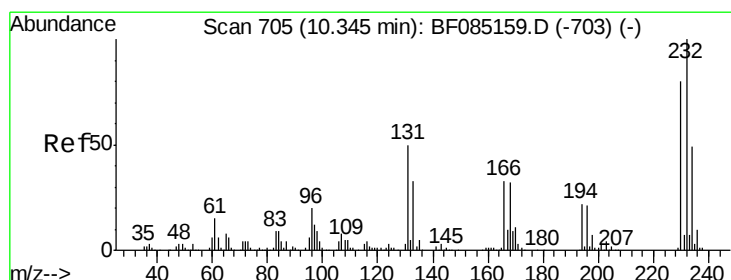
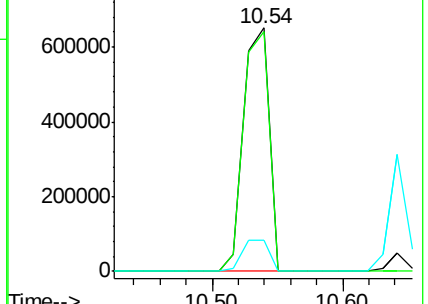
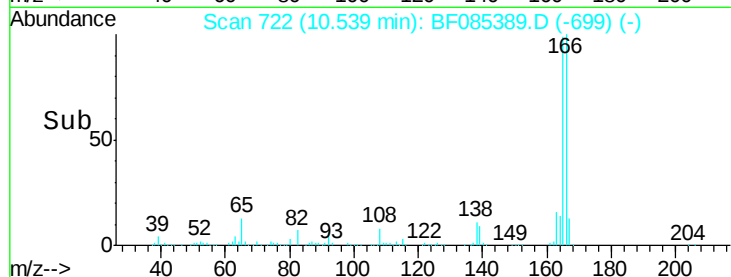
167 12.8 11.0 16.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 63.07 ng

RT: 10.31 min Scan# 702

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Tgt Ion:232 Resp: 249783

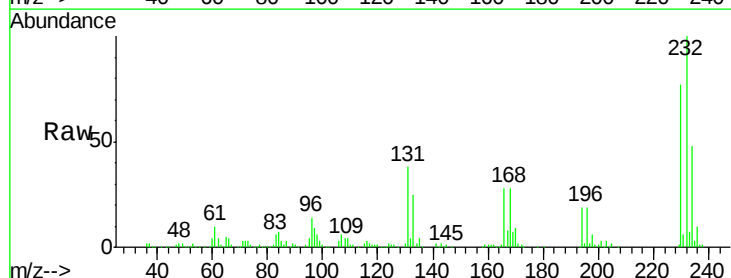
Ion Ratio Lower Upper

232 100

131 51.4 46.0 69.0

130 2.5 2.2 3.4

166 33.3 28.8 43.2

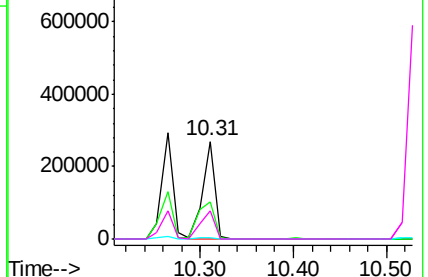
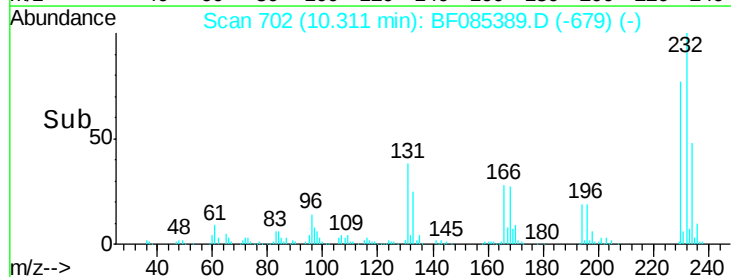


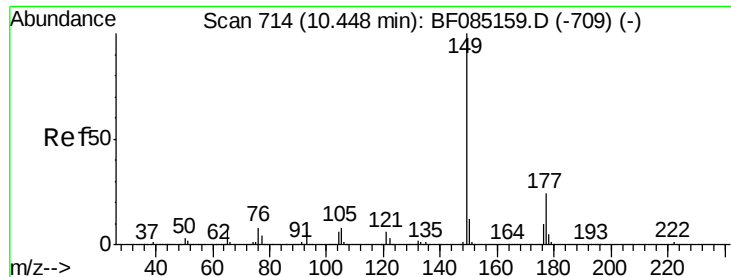
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

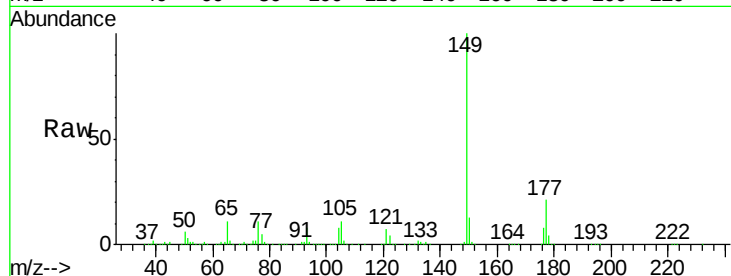




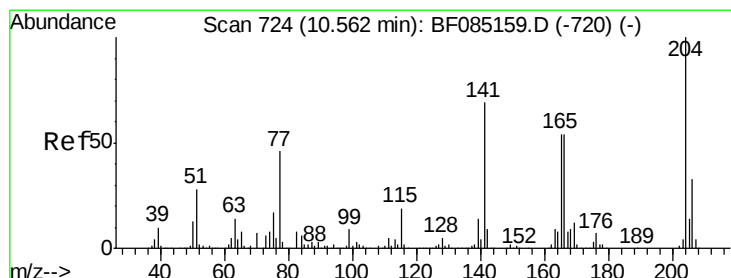
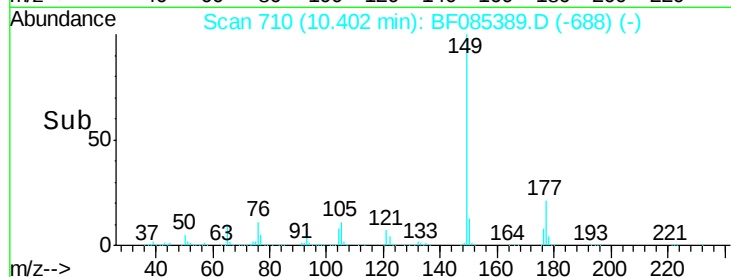
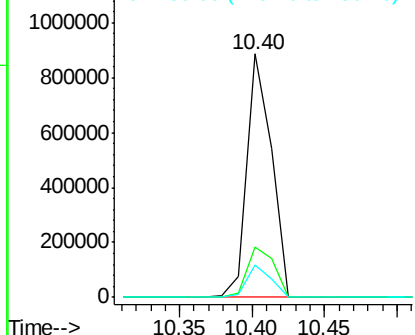
#59
Diethylphthalate
Concen: 49.88 ng
RT: 10.40 min Scan# 710
Delta R.T. -0.05 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Instrument :
BNA_F
ClientSampleId :
POST-EX-19-20160310MSD

Tgt Ion:149 Resp: 1037650
Ion Ratio Lower Upper
149 100
177 20.6 19.2 28.8
150 13.4 9.9 14.9

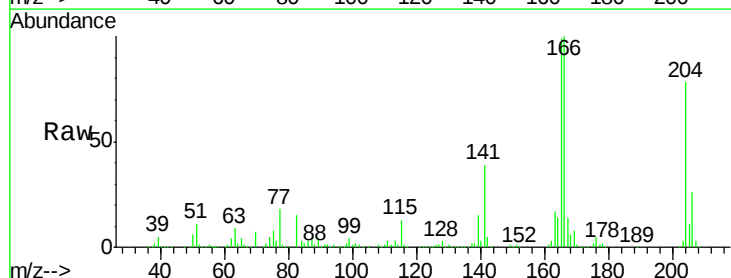


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

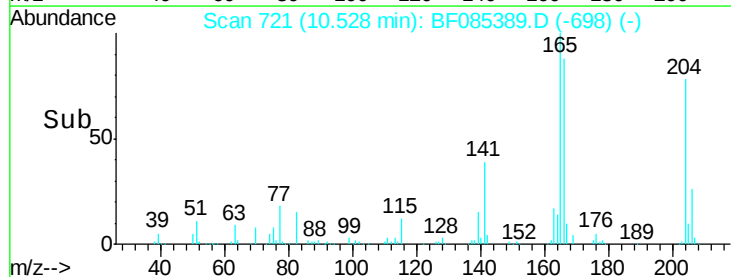
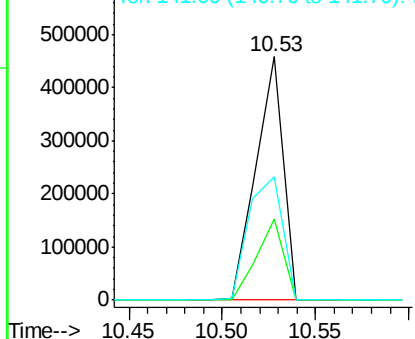


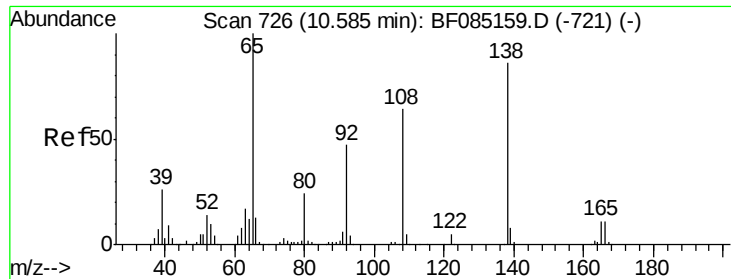
#60
4-Chlorophenyl-phenylether
Concen: 53.81 ng
RT: 10.53 min Scan# 721
Delta R.T. -0.03 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Tgt Ion:204 Resp: 463164
Ion Ratio Lower Upper
204 100
206 33.5 26.5 39.7
141 50.7 55.4 83.2#



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

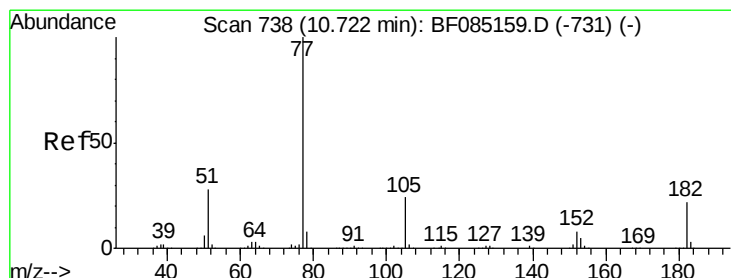
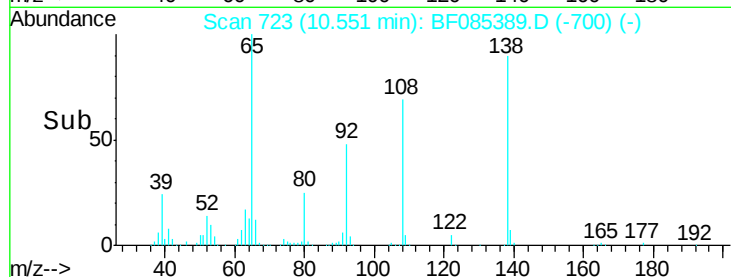
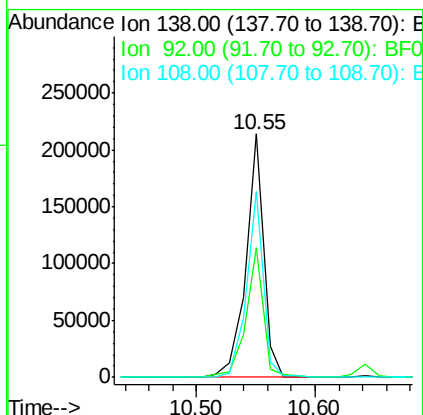
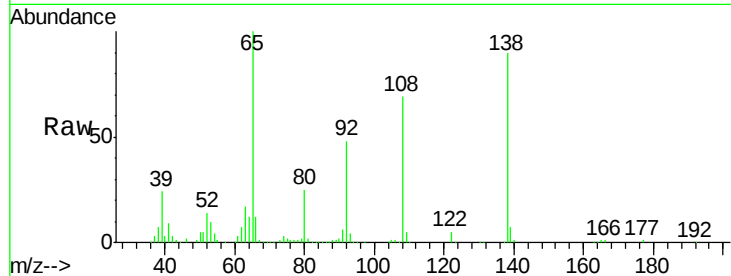




#61
4-Nitroaniline
Concen: 44.07 ng
RT: 10.55 min Scan# 723
Delta R.T. -0.03 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

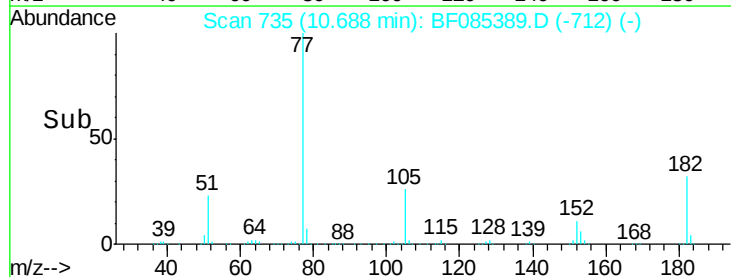
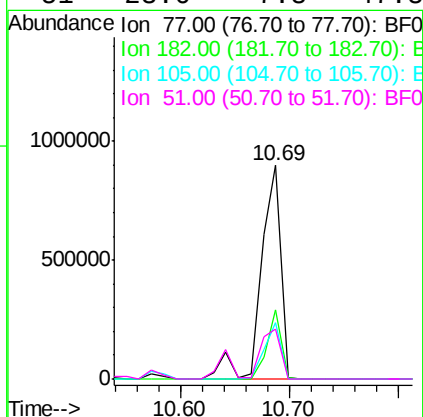
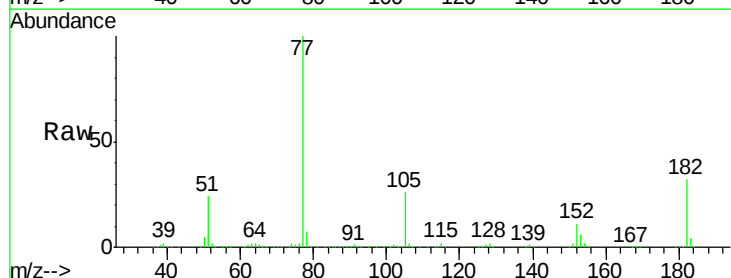
Instrument :
BNA_F
ClientSampleId :
POST-EX-19-20160310MSD

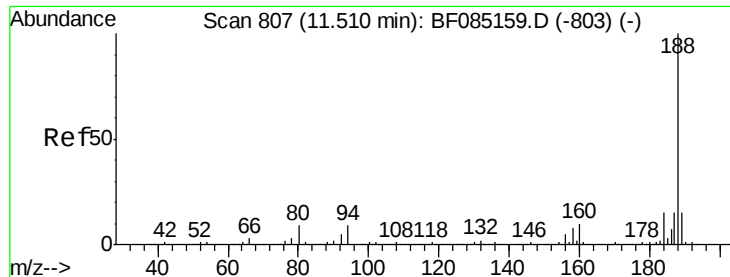
Tgt Ion:138 Resp: 226151
Ion Ratio Lower Upper
138 100
92 53.2 34.2 74.2
108 76.5 53.9 93.9



#62
Azobenzene
Concen: 56.12 ng
RT: 10.69 min Scan# 735
Delta R.T. -0.03 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Tgt Ion: 77 Resp: 1150131
Ion Ratio Lower Upper
77 100
182 32.4 2.1 42.1
105 26.3 3.8 43.8
51 23.6 7.8 47.8

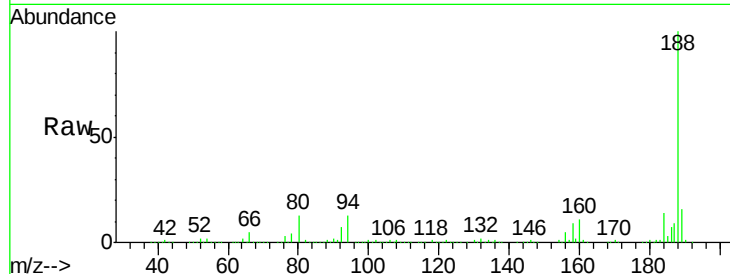




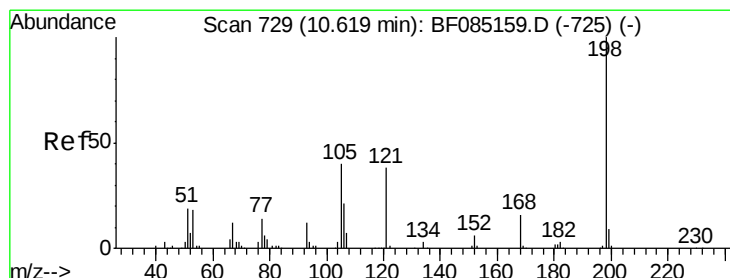
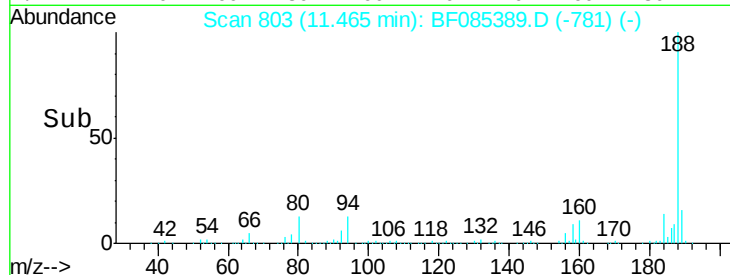
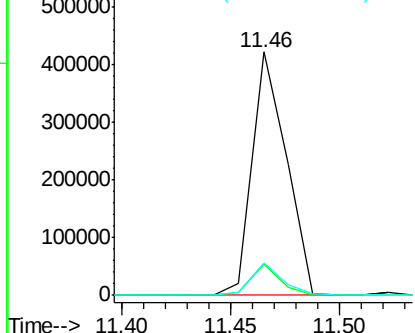
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 803
Delta R.T. -0.05 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Instrument :
BNA_F
ClientSampleId :
POST-EX-19-20160310MSD

Tgt Ion:188 Resp: 461440
Ion Ratio Lower Upper
188 100
94 12.5 7.0 10.6#
80 13.3 7.4 11.0#

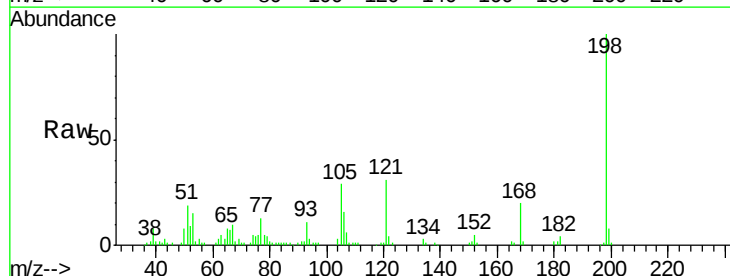


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

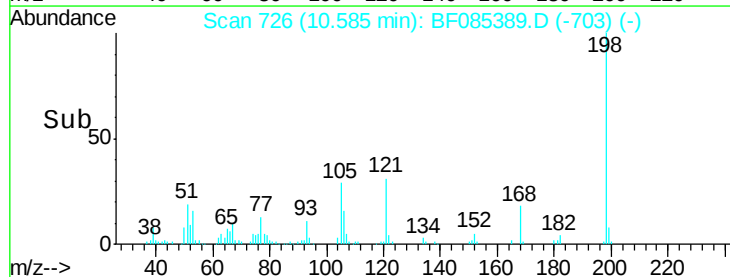
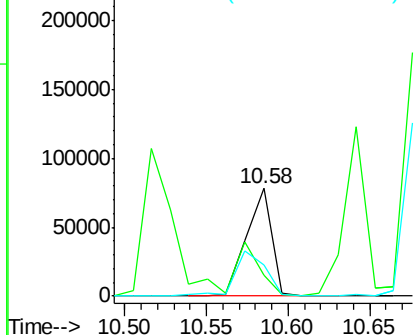


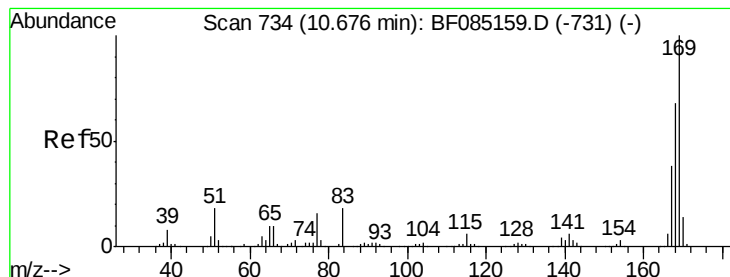
#64
4,6-Dinitro-2-methylphenol
Concen: 30.49 ng
RT: 10.58 min Scan# 726
Delta R.T. -0.03 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Tgt Ion:198 Resp: 84232
Ion Ratio Lower Upper
198 100
51 19.3 9.5 49.5
105 28.7 20.5 60.5



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

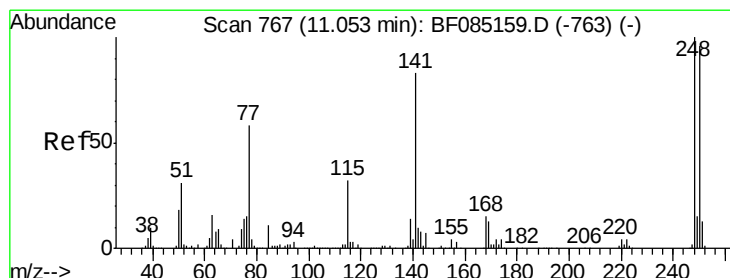
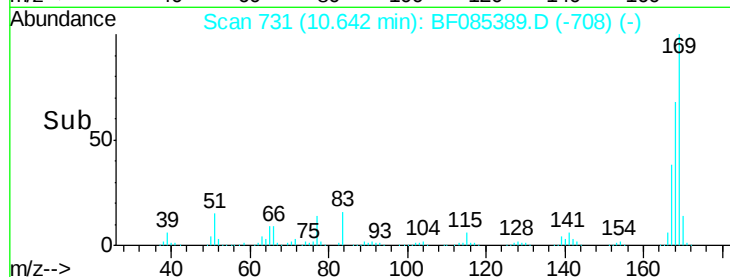
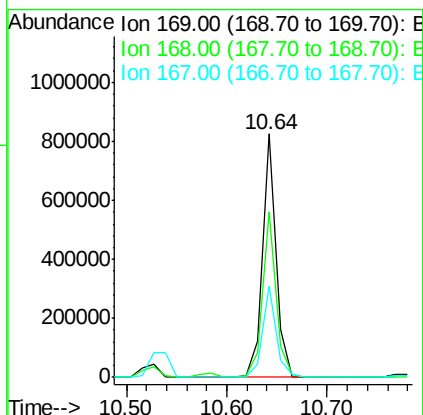
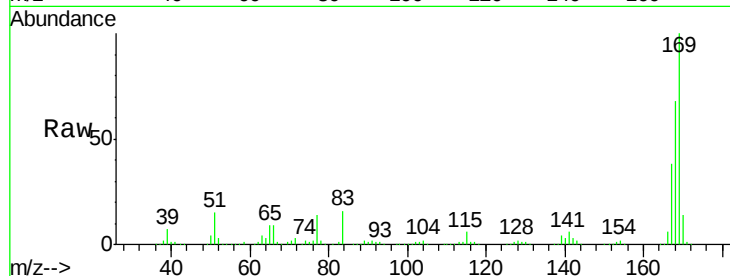




#65
 n-Nitrosodiphenylamine
 Concen: 53.58 ng
 RT: 10.64 min Scan# 731
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

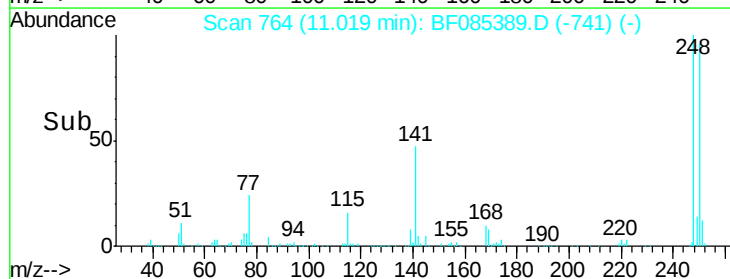
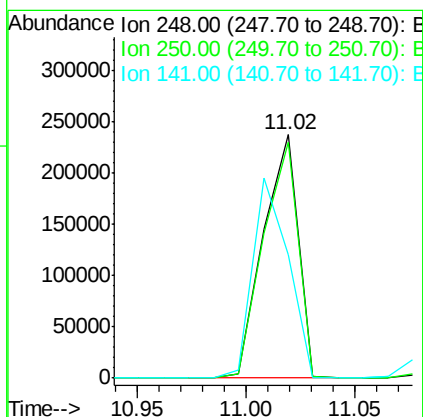
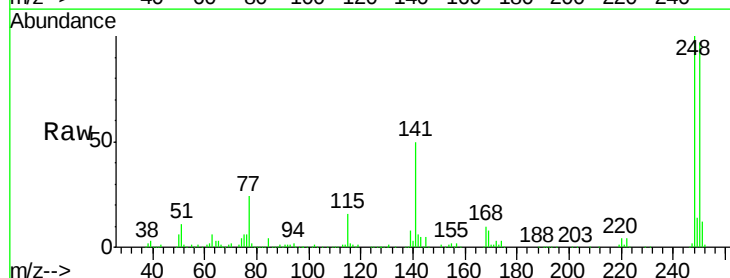
Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-19-20160310MSD

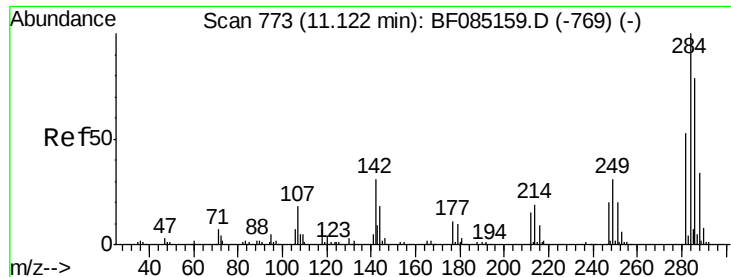
Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.9	54.8	82.2
167	37.7	30.3	45.5



#66
 4-Bromophenyl-phenylether
 Concen: 59.39 ng
 RT: 11.02 min Scan# 764
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Tgt Ion	Ratio	Lower	Upper
248	100		
250	96.8	77.1	115.7
141	50.4	66.2	99.2

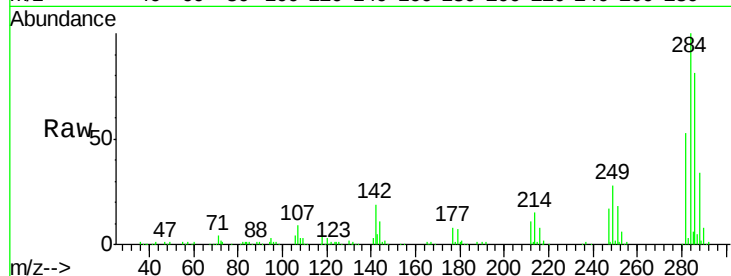




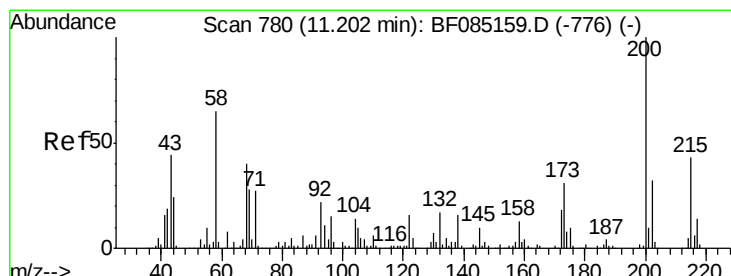
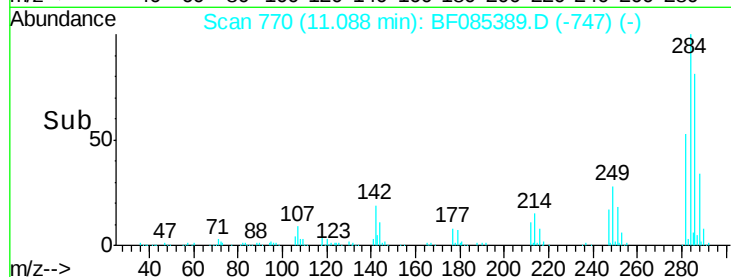
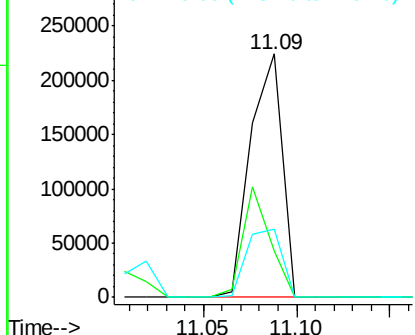
#67
Hexachlorobenzene
Concen: 56.13 ng
RT: 11.09 min Scan# 770
Delta R.T. -0.03 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Instrument :
BNA_F
ClientSampleId :
POST-EX-19-20160310MSD

Tgt Ion: 284 Resp: 268280
Ion Ratio Lower Upper
284 100
142 19.2 24.9 37.3#
249 27.9 25.0 37.4

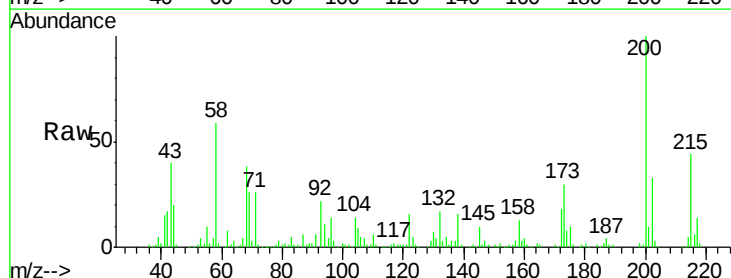


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

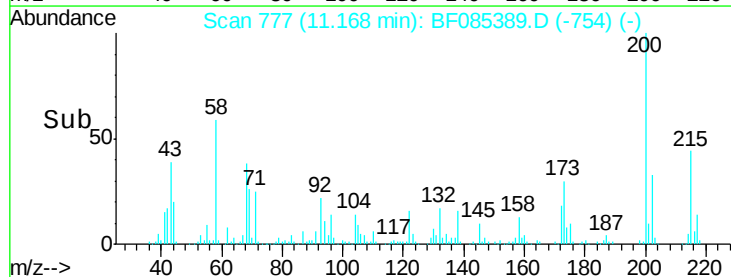
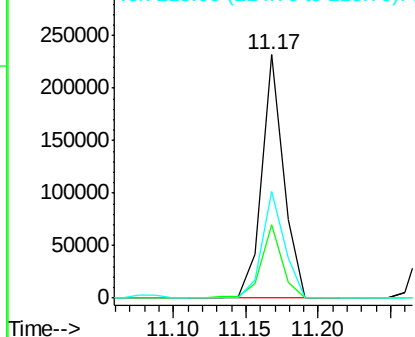


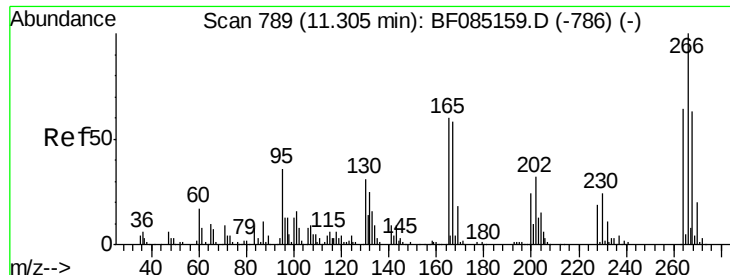
#68
Atrazine
Concen: 60.35 ng
RT: 11.17 min Scan# 777
Delta R.T. -0.03 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Tgt Ion: 200 Resp: 240885
Ion Ratio Lower Upper
200 100
173 29.9 10.5 50.5
215 43.9 23.4 63.4



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

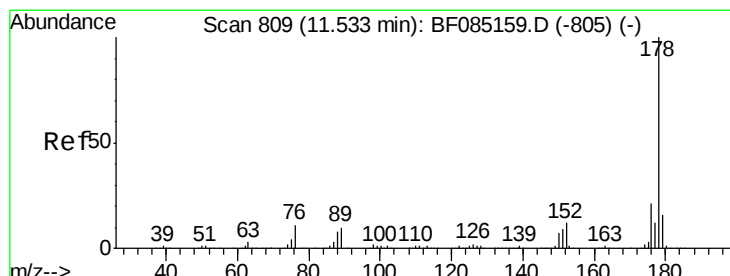
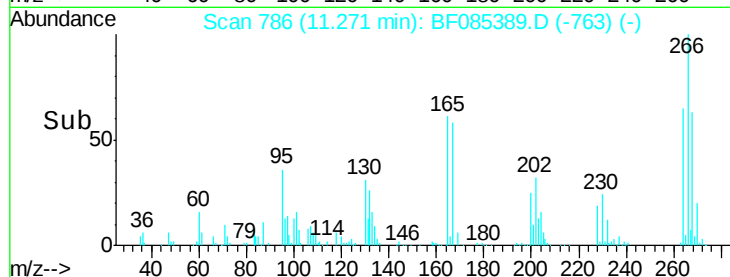
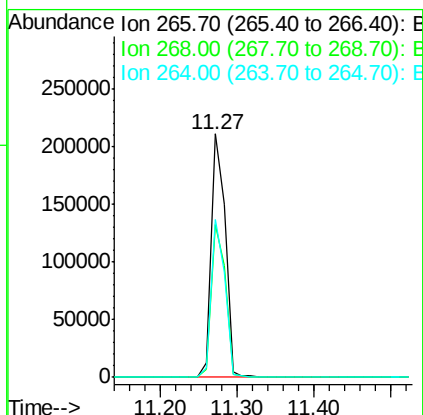
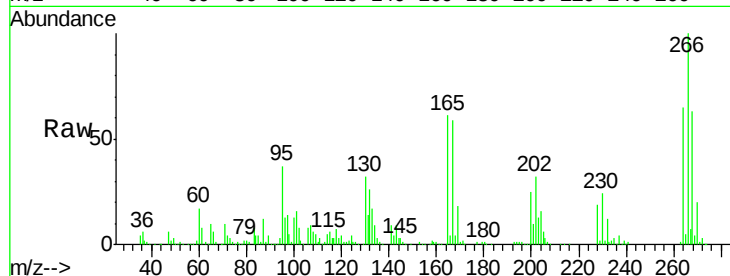




#69
 Pentachlorophenol
 Concen: 99.50 ng
 RT: 11.27 min Scan# 786
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

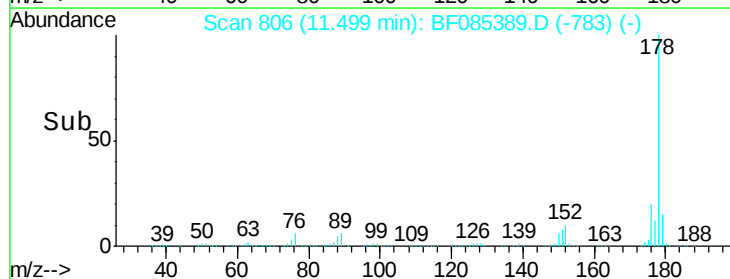
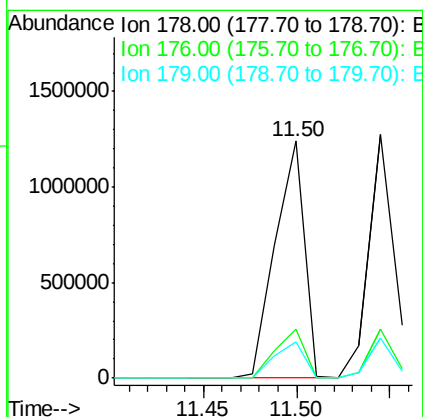
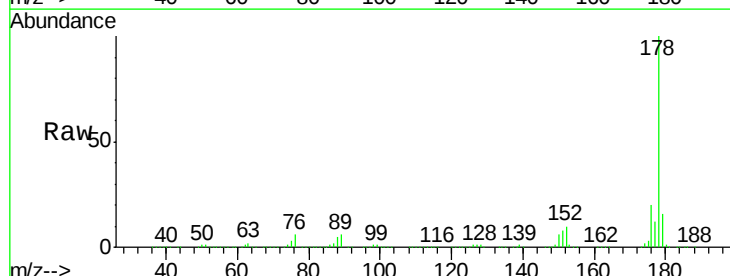
Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-19-20160310MSD

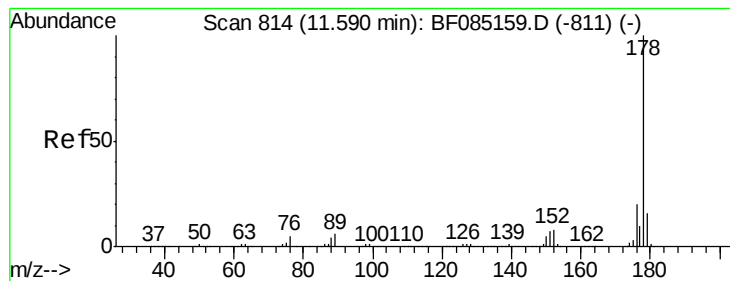
Tgt Ion:266 Resp: 264004
 Ion Ratio Lower Upper
 266 100
 268 62.9 50.0 75.0
 264 64.8 51.4 77.2



#70
 Phenanthrene
 Concen: 55.63 ng
 RT: 11.50 min Scan# 806
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Tgt Ion:178 Resp: 1345402
 Ion Ratio Lower Upper
 178 100
 176 20.5 16.8 25.2
 179 15.6 13.1 19.7





#71

Anthracene

Concen: 46.14 ng

RT: 11.54 min Scan# 810

Delta R.T. -0.05 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-19-20160310MSD

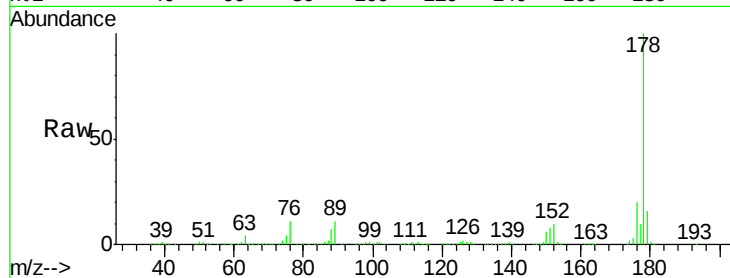
Tgt Ion:178 Resp: 1184613

Ion Ratio Lower Upper

178 100

176 20.0 15.9 23.9

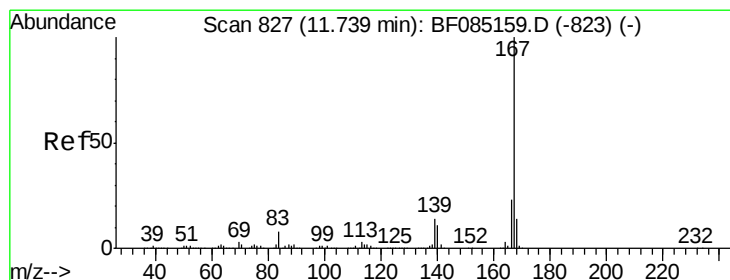
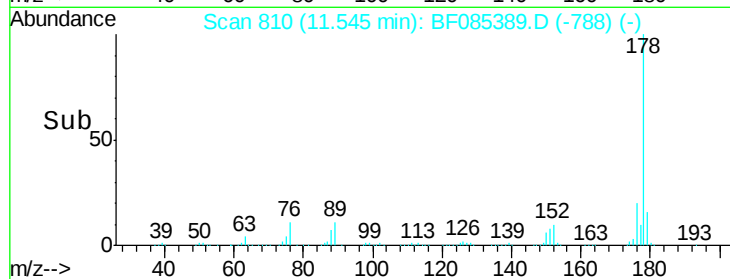
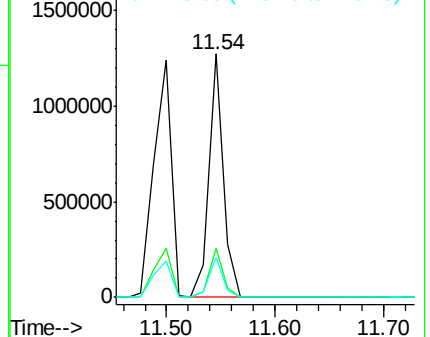
179 16.2 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 52.24 ng

RT: 11.71 min Scan# 824

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

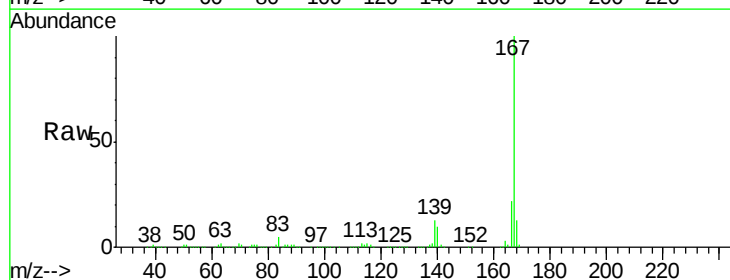
Tgt Ion:167 Resp: 1175928

Ion Ratio Lower Upper

167 100

166 22.2 18.2 27.2

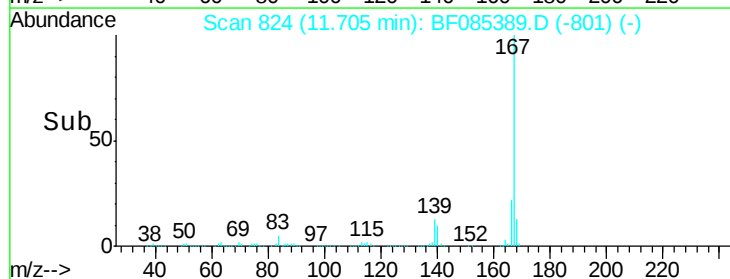
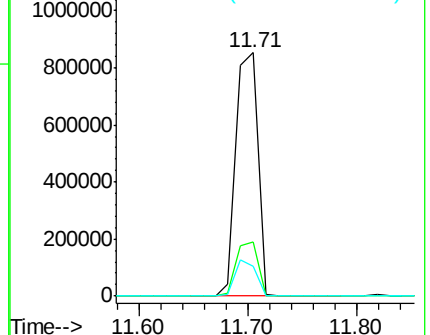
139 12.5 11.4 17.0

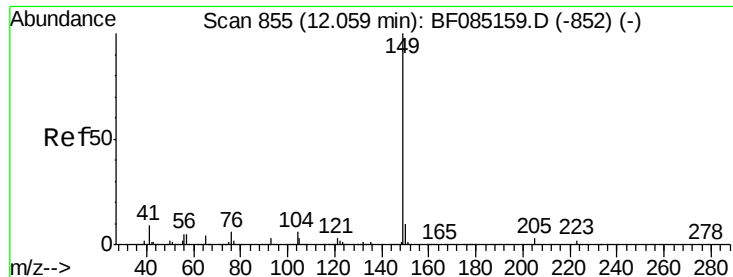


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 51.94 ng

RT: 12.03 min Scan# 852

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-19-20160310MSD

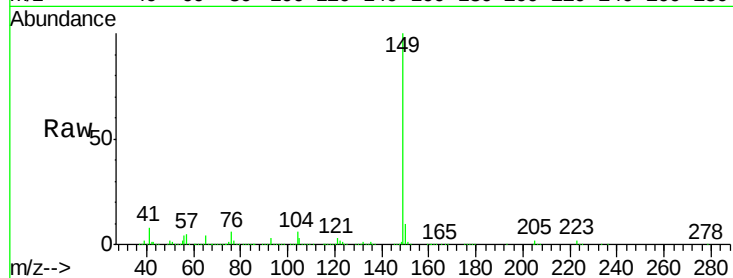
Tgt Ion:149 Resp: 1477968

Ion Ratio Lower Upper

149 100

150 10.0 7.8 11.6

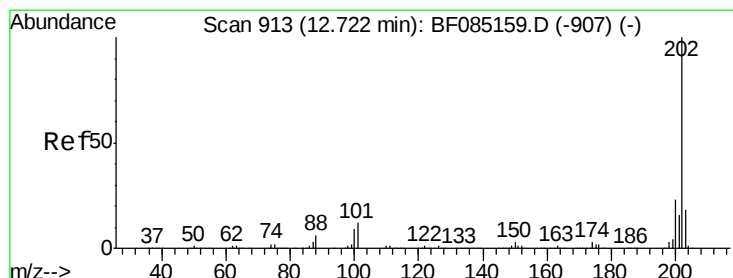
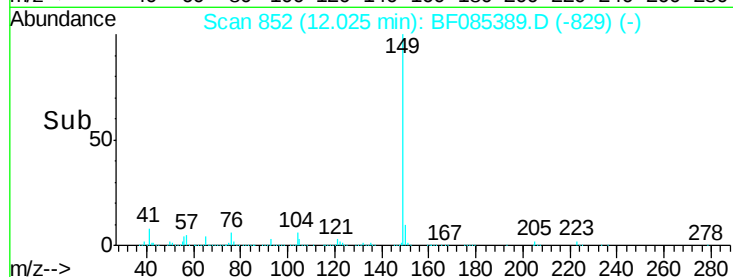
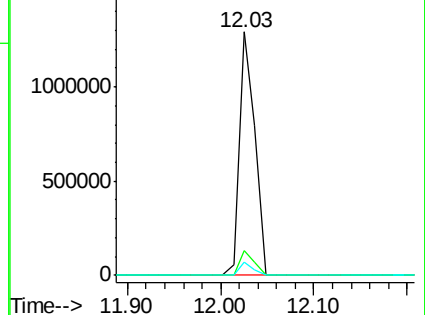
104 5.6 4.7 7.1



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: 46.54 ng

RT: 12.69 min Scan# 910

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

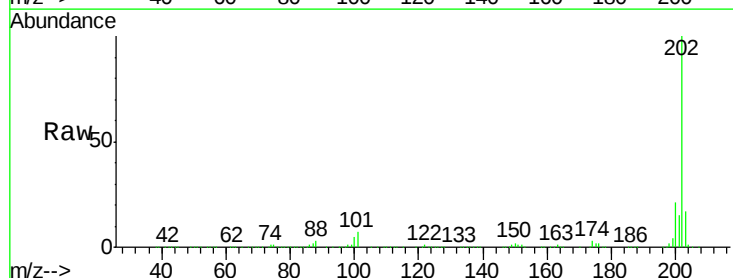
Tgt Ion:202 Resp: 1129457

Ion Ratio Lower Upper

202 100

101 6.6 0.0 31.8

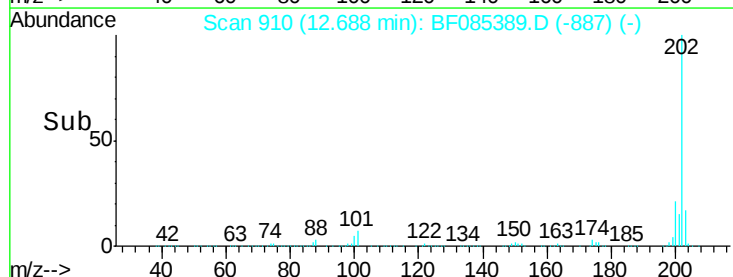
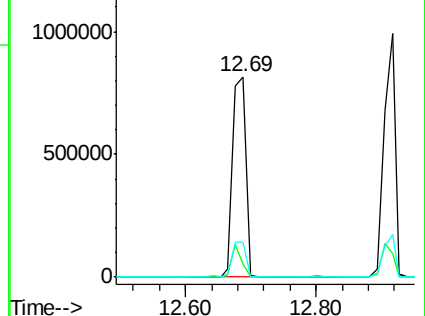
203 17.5 0.0 38.4

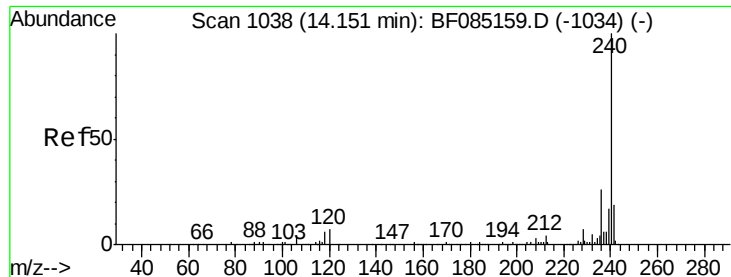


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.12 min Scan# 1035

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-19-20160310MSD

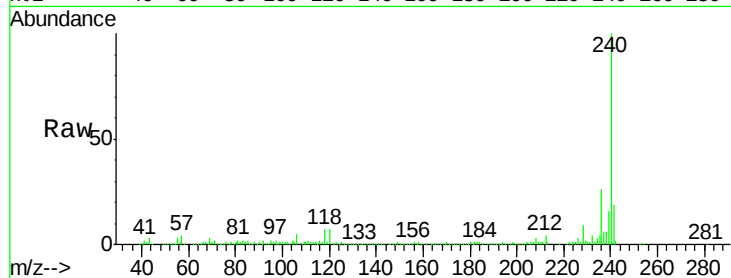
Tgt Ion:240 Resp: 277289

Ion Ratio Lower Upper

240 100

120 7.5 5.3 7.9

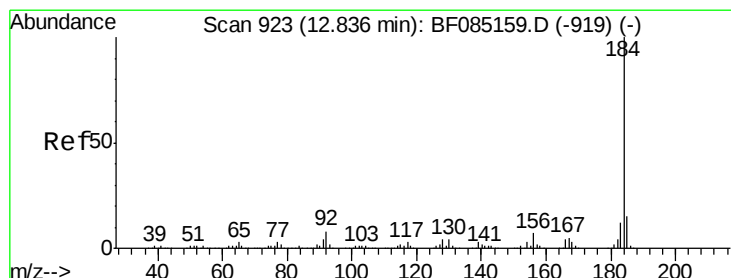
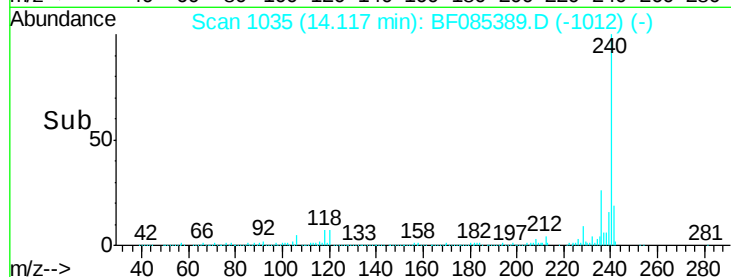
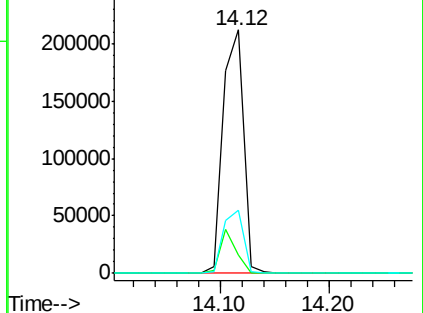
236 25.9 20.7 31.1



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: 97.37 ng

RT: 12.80 min Scan# 920

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

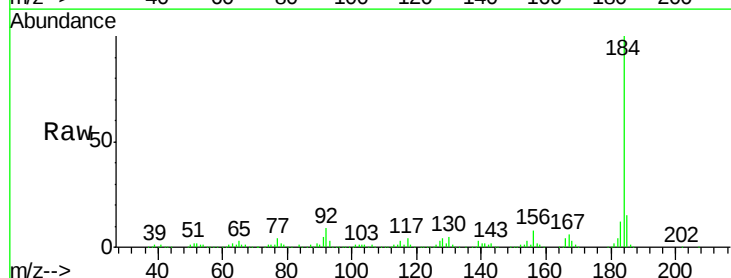
Tgt Ion:184 Resp: 803529

Ion Ratio Lower Upper

184 100

185 14.6 12.4 18.6

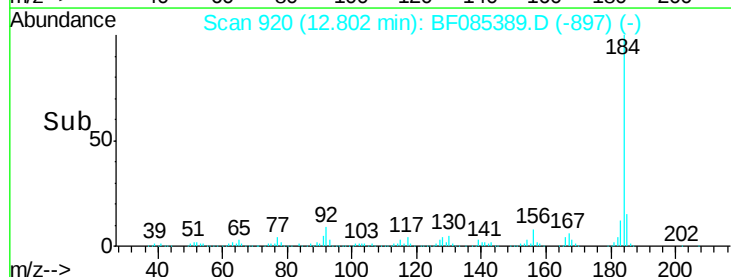
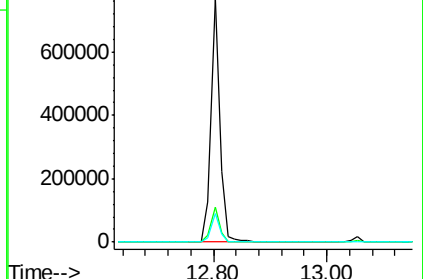
183 12.0 9.4 14.2

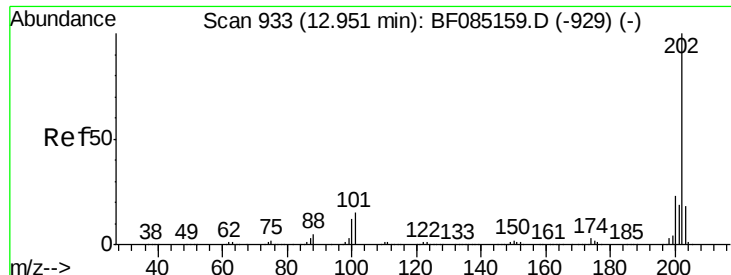


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

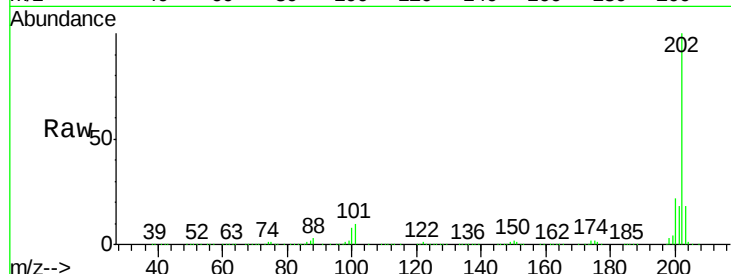




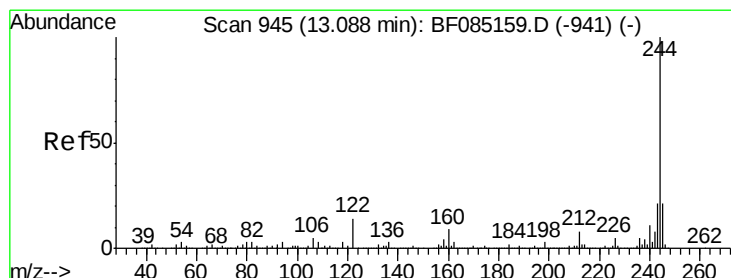
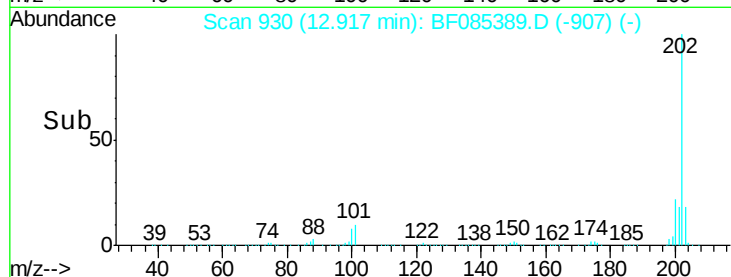
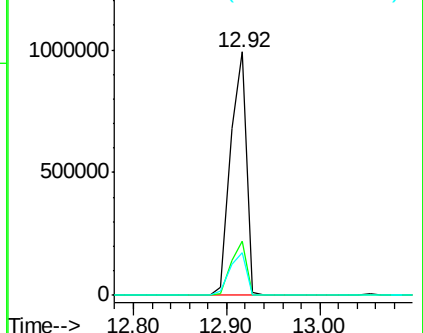
#77
 Pyrene
 Concen: 56.47 ng
 RT: 12.92 min Scan# 930
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-19-20160310MSD

Tgt Ion: 202 Resp: 1178583
 Ion Ratio Lower Upper
 202 100
 200 22.2 18.2 27.4
 203 17.7 14.7 22.1

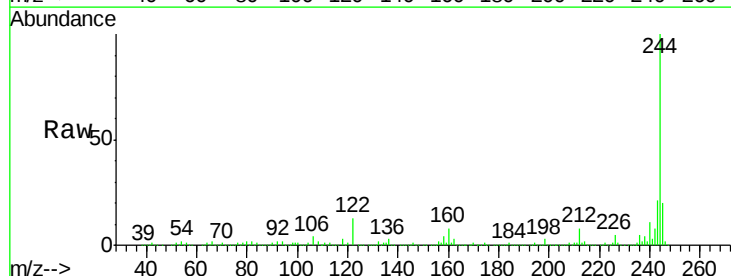


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

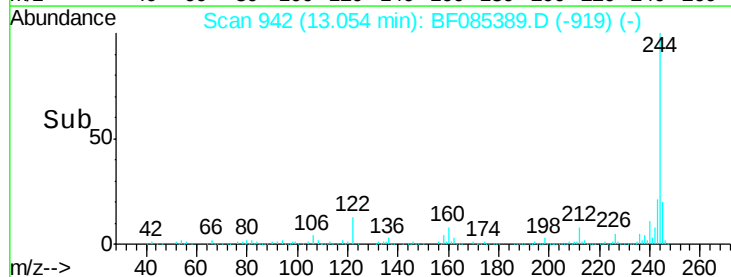
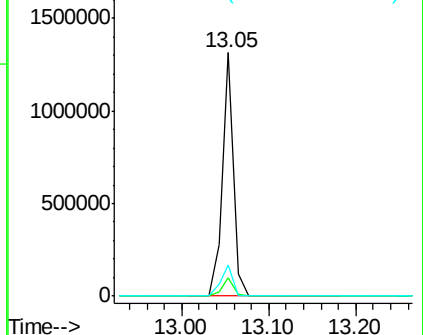


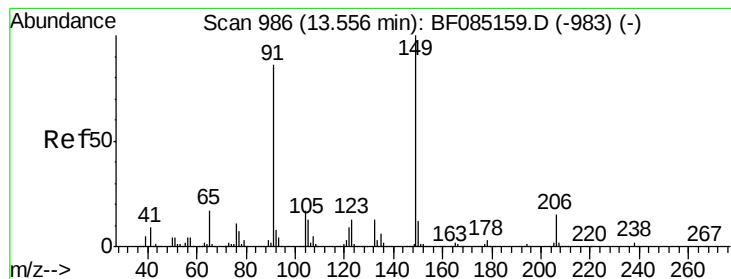
#78
 Terphenyl-d14
 Concen: 99.34 ng
 RT: 13.05 min Scan# 942
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Tgt Ion: 244 Resp: 1186594
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.4 9.6
 122 12.7 11.4 17.2



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: 57.65 ng

RT: 13.52 min Scan# 983

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-19-20160310MSD

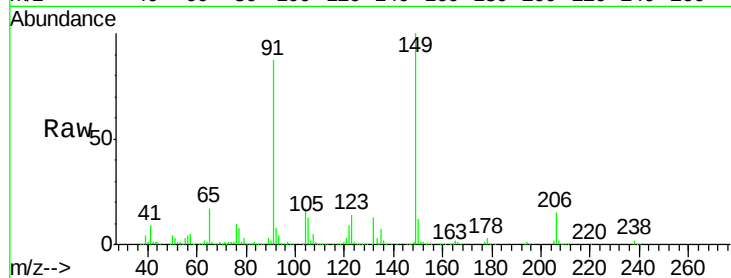
Tgt Ion:149 Resp: 545934

Ion Ratio Lower Upper

149 100

91 86.6 69.0 103.4

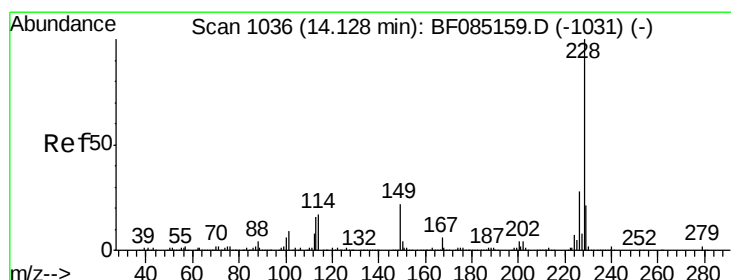
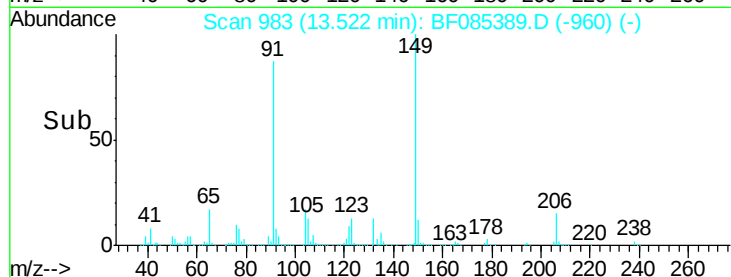
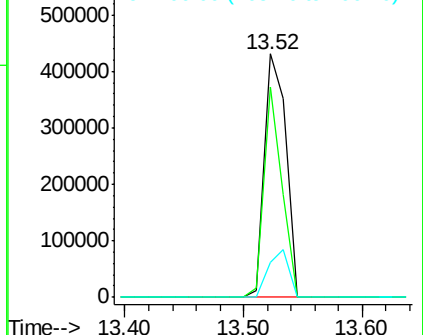
206 14.6 12.3 18.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 52.57 ng

RT: 14.11 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

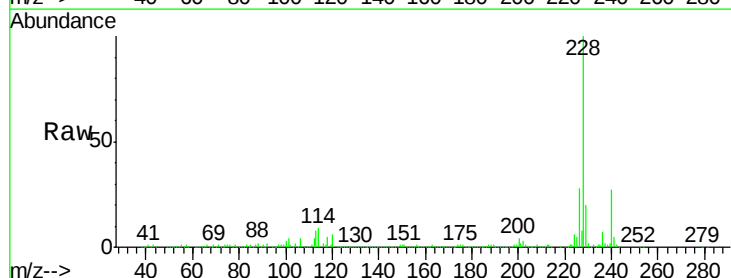
Tgt Ion:228 Resp: 872569

Ion Ratio Lower Upper

228 100

226 28.0 22.8 34.2

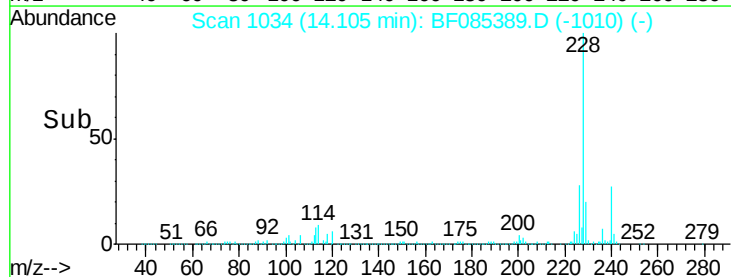
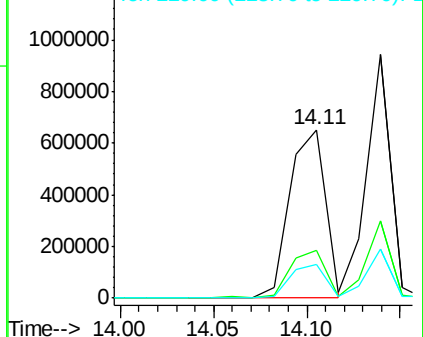
229 19.8 16.6 24.8

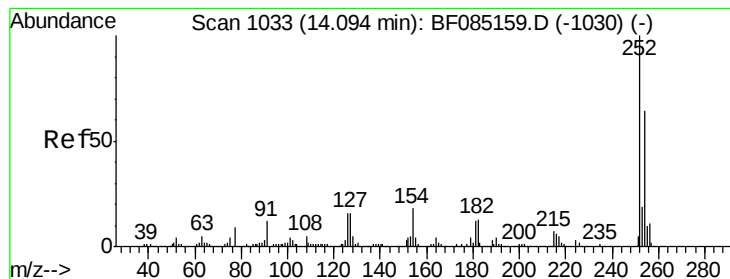


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

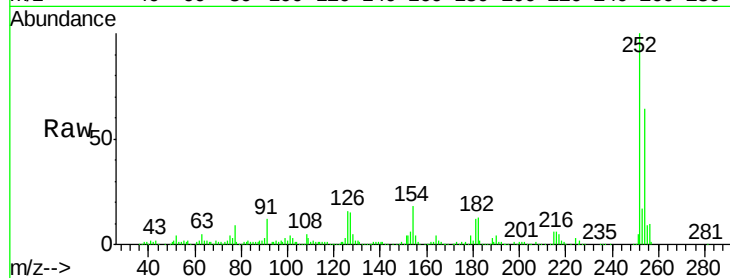




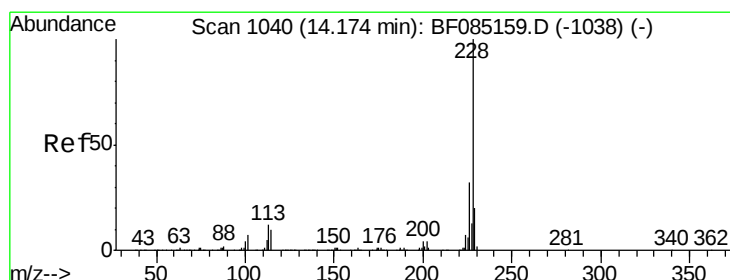
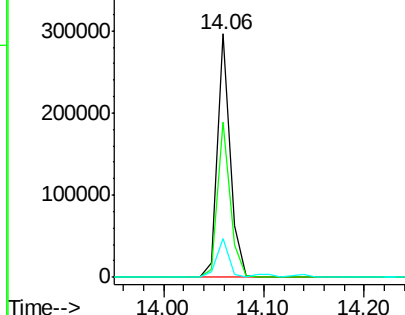
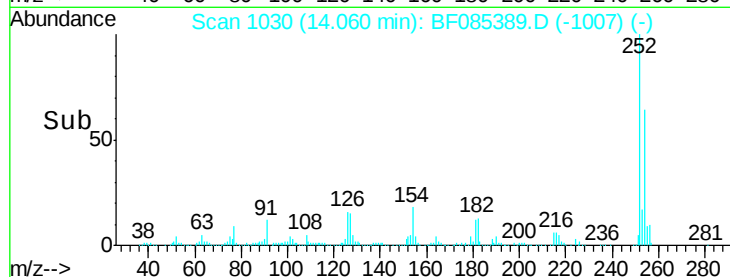
#81
 3,3'-Dichlorobenzidine
 Concen: 50.02 ng
 RT: 14.06 min Scan# 1030
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-19-20160310MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.4	77.0
126	16.2	12.9	19.3

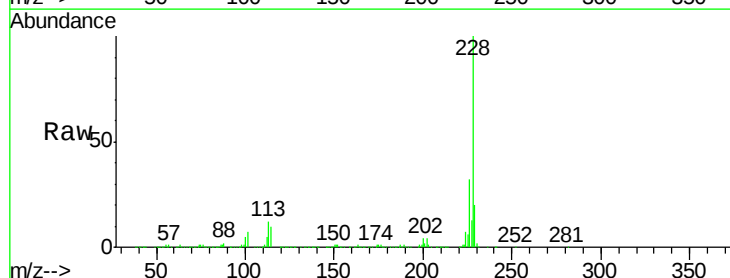


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

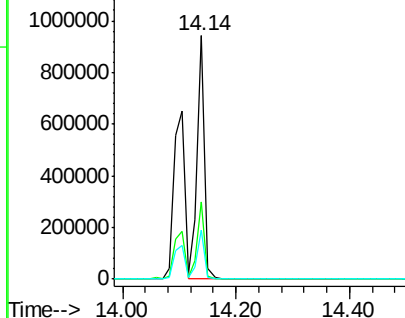
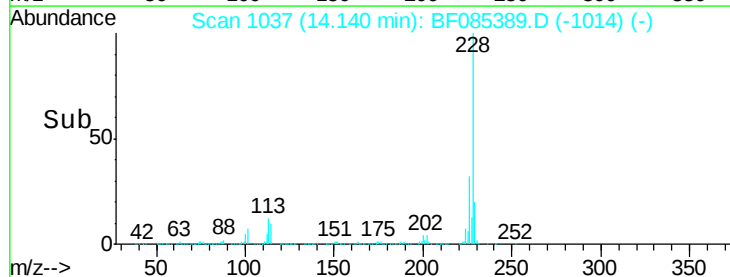


#82
 Chrysene
 Concen: 55.20 ng
 RT: 14.14 min Scan# 1037
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.2	37.8
229	20.2	16.0	24.0



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

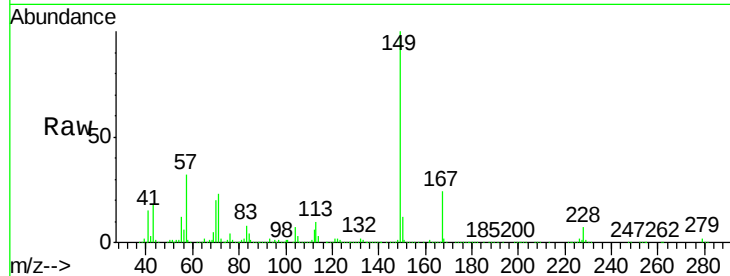




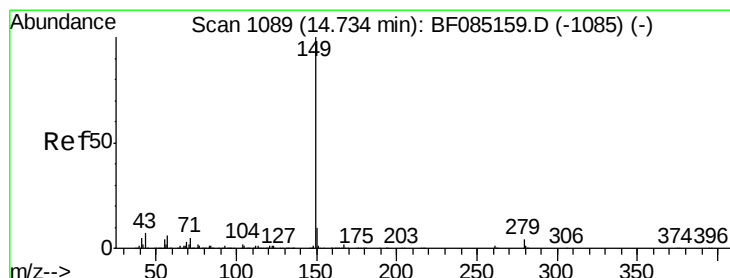
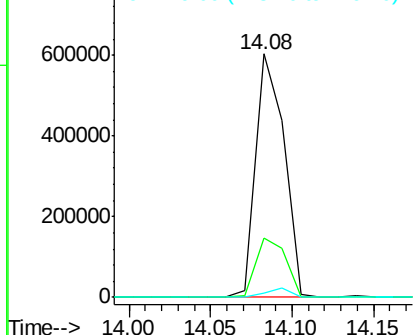
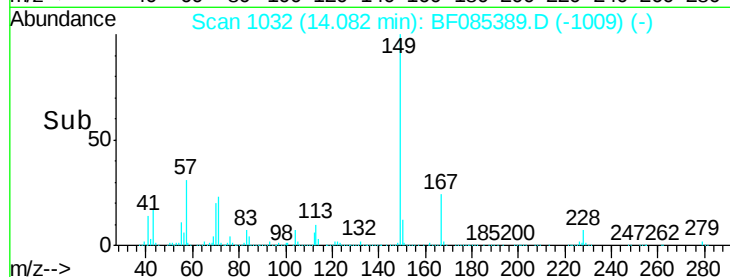
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 58.67 ng
 RT: 14.08 min Scan# 1032
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-19-20160310MSD

Tgt Ion:149 Resp: 731111
 Ion Ratio Lower Upper
 149 100
 167 24.3 20.3 30.5
 279 1.8 1.9 2.9#

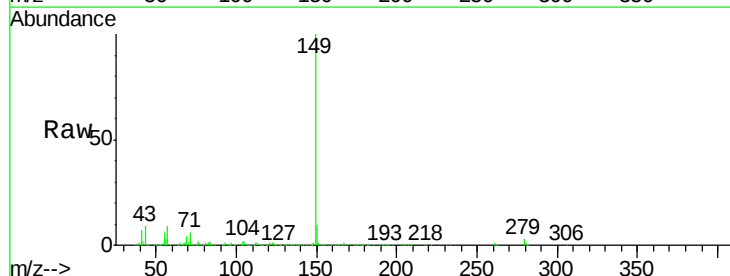


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

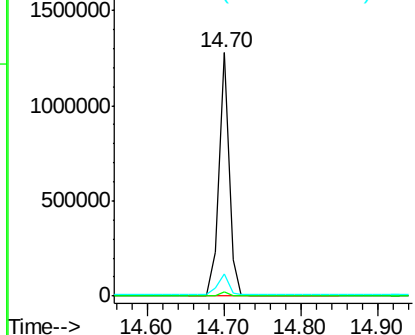
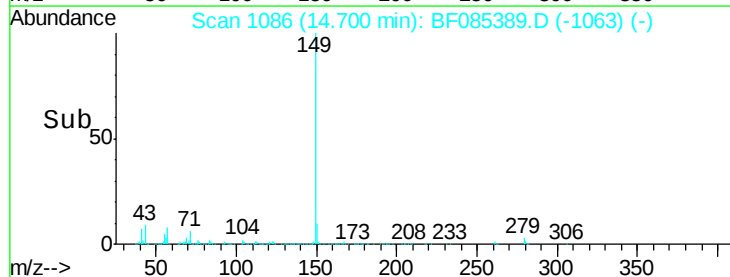


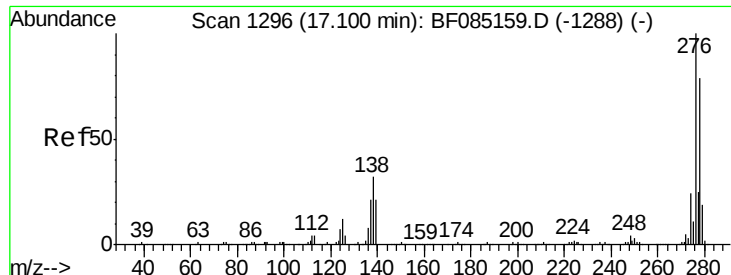
#84
 Di-n-octyl phthalate
 Concen: 62.10 ng
 RT: 14.70 min Scan# 1086
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Tgt Ion:149 Resp: 1178525
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.1 1.7
 43 9.5 7.8 11.8



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

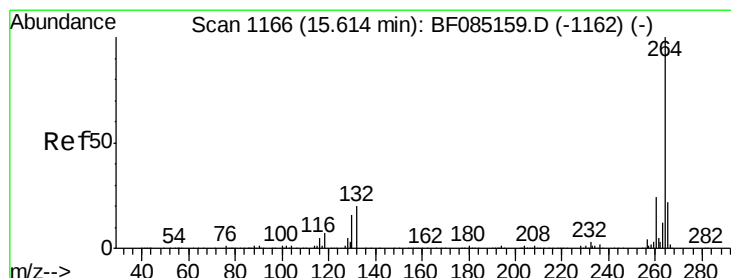
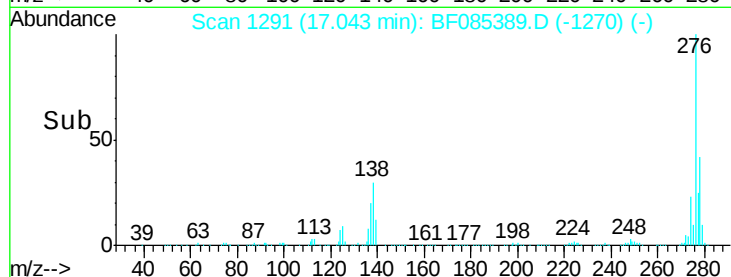
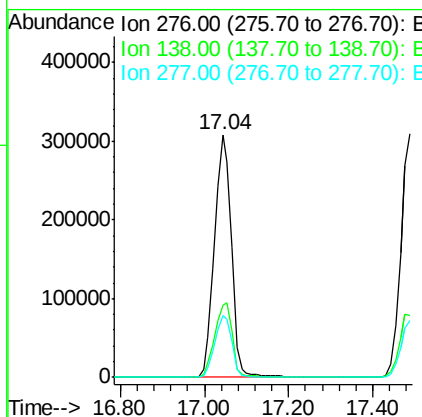
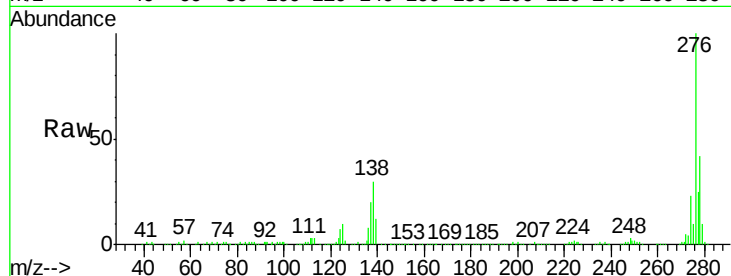




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 72.88 ng
 RT: 17.04 min Scan# 1291
 Delta R.T. -0.06 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

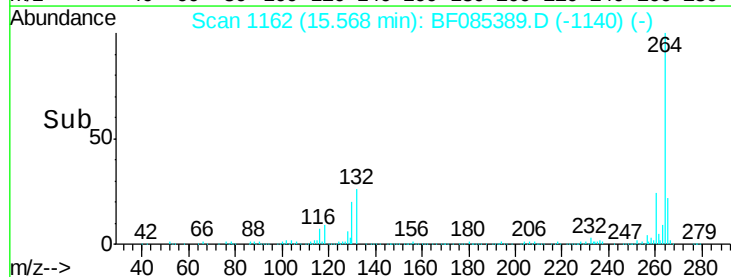
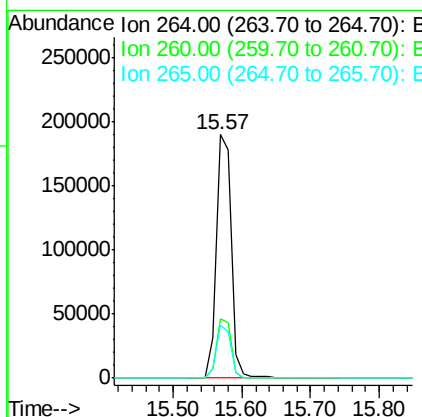
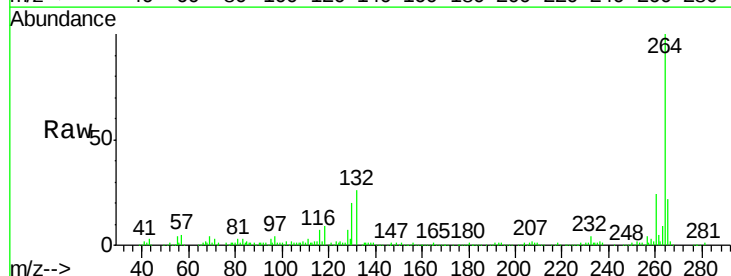
Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-19-20160310MSD

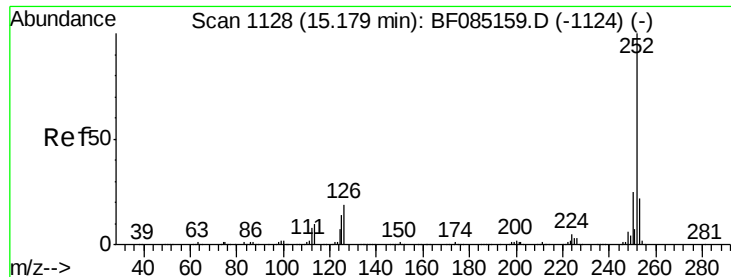
Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.9	26.4	39.6
277	25.7	20.2	30.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.57 min Scan# 1162
 Delta R.T. -0.05 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.7	17.3	25.9

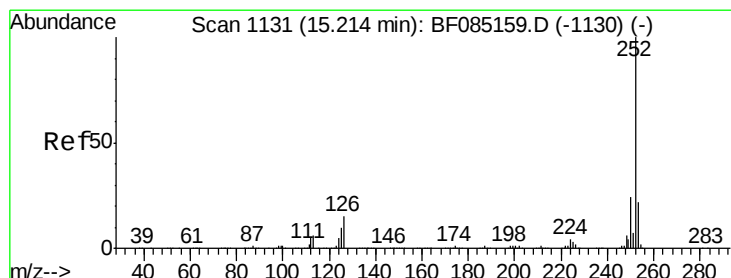
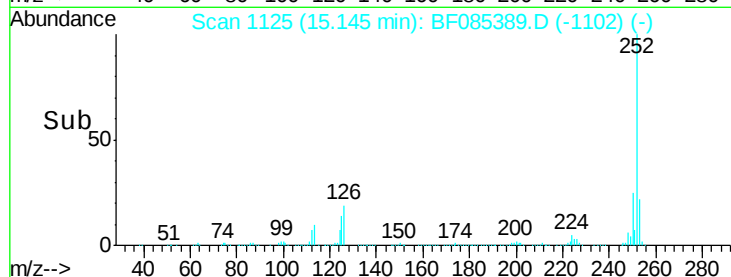
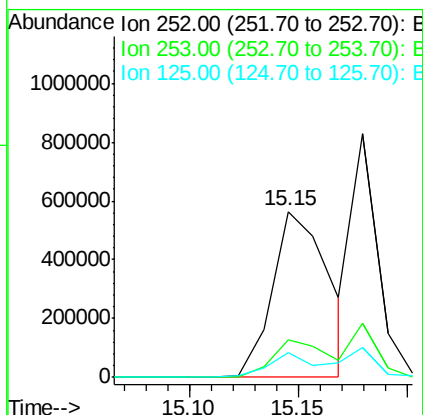
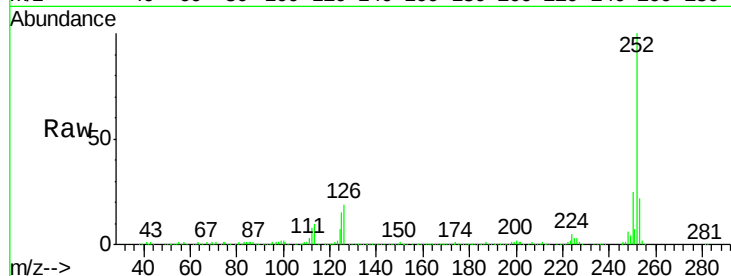




#87
Benzo(b)fluoranthene
Concen: 52.15 ng
RT: 15.15 min Scan# 1125
Delta R.T. -0.03 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

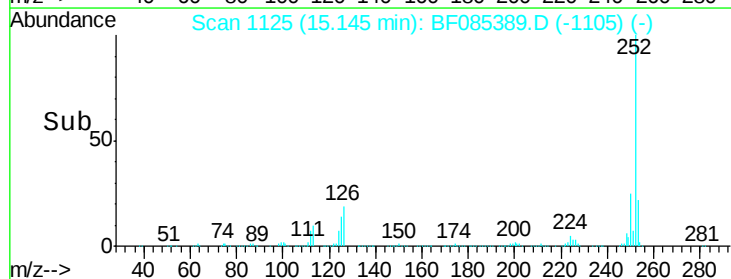
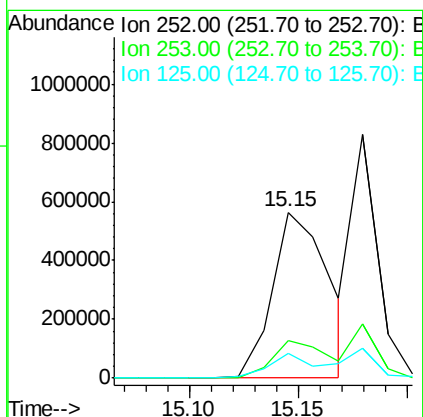
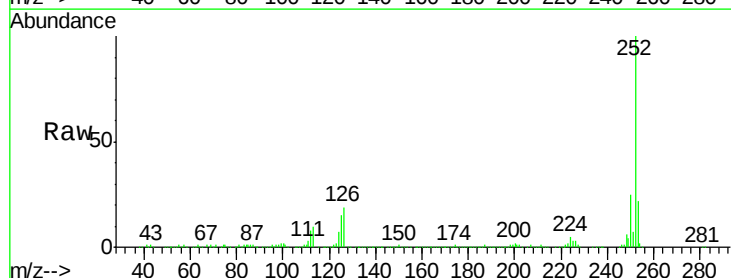
Instrument :
BNA_F
ClientSampleId :
POST-EX-19-20160310MSD

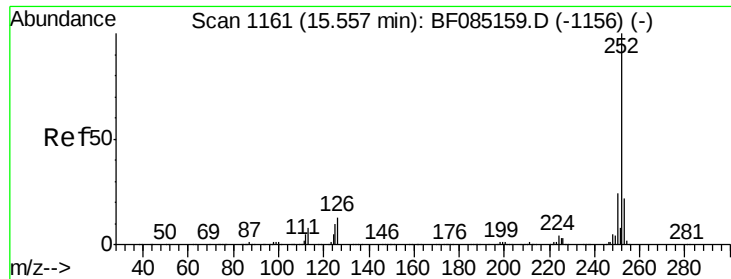
Tgt Ion:252 Resp: 1019458
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 14.8 11.3 16.9



#88
Benzo(k)fluoranthene
Concen: 64.65 ng
RT: 15.15 min Scan# 1125
Delta R.T. -0.07 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Tgt Ion:252 Resp: 1019458
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 14.8 10.4 15.6





#89

Benzo(a)pyrene

Concen: 52.93 ng

RT: 15.51 min Scan# 1157

Delta R.T. -0.05 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-19-20160310MSD

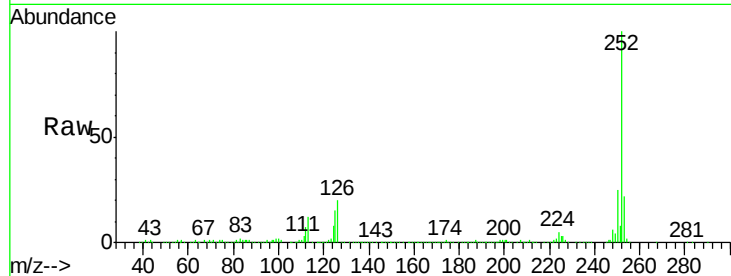
Tgt Ion:252 Resp: 857390

Ion Ratio Lower Upper

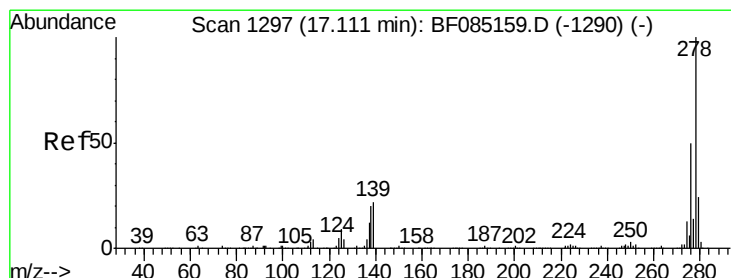
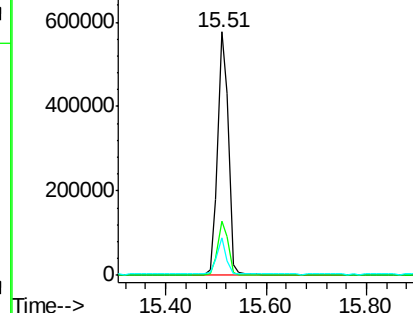
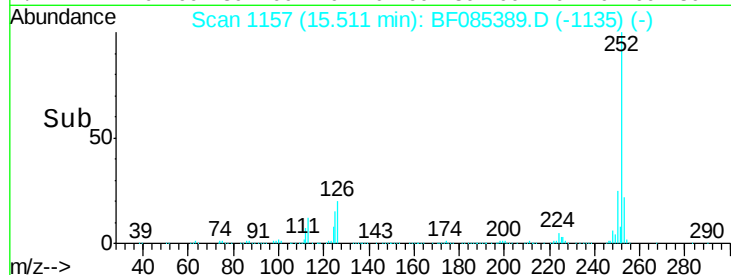
252 100

253 22.1 17.4 26.0

125 15.4 8.2 12.4#



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: 53.56 ng

RT: 17.07 min Scan# 1293

Delta R.T. -0.05 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

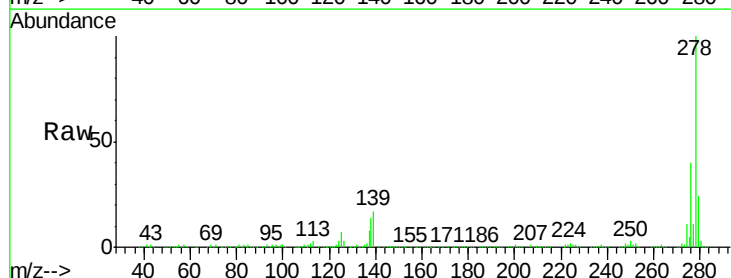
Tgt Ion:278 Resp: 740636

Ion Ratio Lower Upper

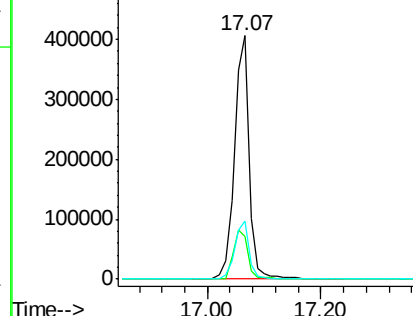
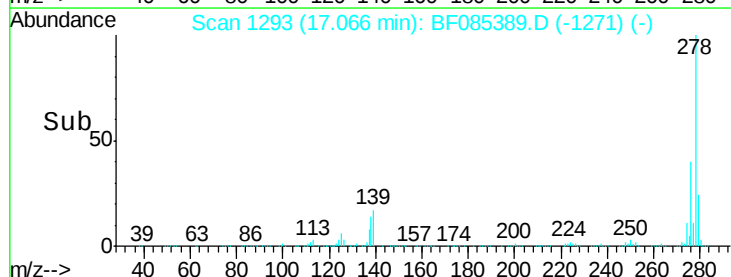
278 100

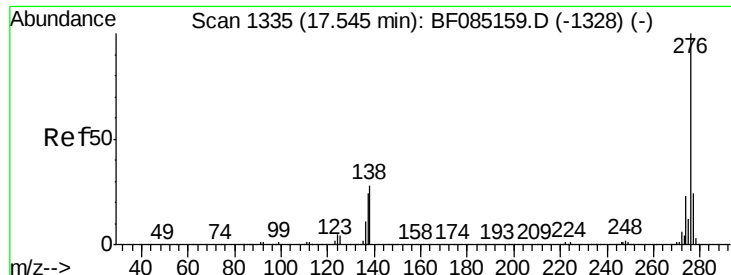
139 17.4 17.3 25.9

279 24.0 19.2 28.8



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E

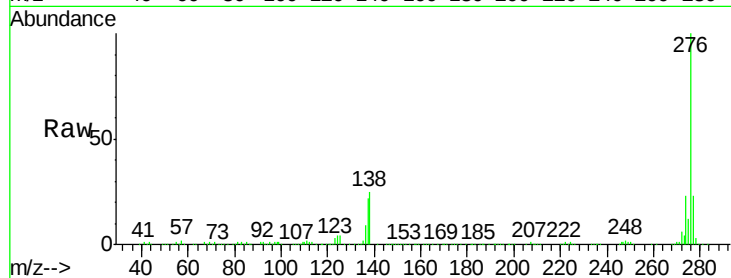




#91
 Benzo(g,h,i)perylene
 Concen: 49.31 ng
 RT: 17.49 min Scan# 1330
 Delta R.T. -0.06 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-19-20160310MSD

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.0	28.4
138	25.3	22.5	33.7



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

