

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050616\
 Data File : BF086732.D
 Acq On : 6 May 2016 19:06
 Operator : UM/SJ
 Sample : H2802-03MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 07 03:26:04 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 07 03:18:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	172798	40.00	ng	0.00
21) Naphthalene-d8	8.00	136	691878	40.00	ng	0.00
38) Acenaphthene-d10	9.74	164	308728	40.00	ng	0.00
63) Phenanthrene-d10	11.23	188	550779	40.00	ng	0.00
75) Chrysene-d12	13.86	240	383068	40.00	ng	0.00
86) Perylene-d12	15.23	264	313208	40.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	697616	66.84	ng	0.00
7) Phenol-d6	6.38	99	575834	40.95	ng	0.00
23) Nitrobenzene-d5	7.29	82	1305649	96.97	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	470814	155.89	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	2024050	107.47	ng	0.00
78) Terphenyl-d14	12.81	244	1286602	67.88	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	2.33	88	91330	16.93	ng	# 76
3) Pyridine	3.14	79	168568	12.74	ng	# 67
4) n-Nitrosodimethylamine	2.96	42	162664	20.27	ng	# 52
6) Aniline	6.38	93	304249	17.53	ng	# 83
8) 2-Chlorophenol	6.51	128	484214	38.66	ng	94
9) Benzaldehyde	6.26	77	112803	16.08	ng	96
10) Phenol	6.40	94	244069	15.87	ng	# 61
11) bis(2-Chloroethyl)ether	6.45	93	569981	43.05	ng	83
12) 1,3-Dichlorobenzene	6.65	146	601816	45.25	ng	# 94
13) 1,4-Dichlorobenzene	6.73	146	611567	44.47	ng	96
14) 1,2-Dichlorobenzene	6.73	146	613314	51.22	ng	99
15) Benzyl Alcohol	6.88	79	320893	35.28	ng	88
16) 2,2'-oxybis(1-Chloropropan	7.00	45	1166171	43.08	ng	80
17) 2-Methylphenol	7.00	107	316795	31.41	ng	# 69
18) Hexachloroethane	7.22	117	238011	45.84	ng	96
19) n-Nitroso-di-n-propylamine	7.15	70	466449	48.55	ng	# 67
20) 3+4-Methylphenols	7.16	107	374688	31.73	ng	# 61
22) Acetophenone	7.14	105	886543	54.99	ng	100
24) Nitrobenzene	7.31	77	734108	52.74	ng	93
25) Isophorone	7.56	82	1215720	48.49	ng	99
26) 2-Nitrophenol	7.62	139	295378	47.56	ng	# 69
27) 2,4-Dimethylphenol	7.68	122	440690	40.41	ng	87
28) bis(2-Chloroethoxy)methane	7.77	93	778649	56.42	ng	98
29) 2,4-Dichlorophenol	7.87	162	439375	46.86	ng	94
30) 1,2,4-Trichlorobenzene	7.94	180	499337	47.73	ng	97
31) Naphthalene	8.02	128	1581145	44.73	ng	98
32) Benzoic acid	7.82	122	154927	38.44	ng	# 79
33) 4-Chloroaniline	8.09	127	239851	17.51	ng	96
34) Hexachlorobutadiene	8.13	225	278226	46.85	ng	99
35) Caprolactam	8.53	113	19428	6.69	ng	# 43
36) 4-Chloro-3-methylphenol	8.58	107	428059	40.01	ng	91
37) 2-Methylnaphthalene	8.72	142	1101016	52.79	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.88	216	430101	48.13	ng	# 95
40) Hexachlorocyclopentadiene	8.86	237	545612	128.44	ng	95

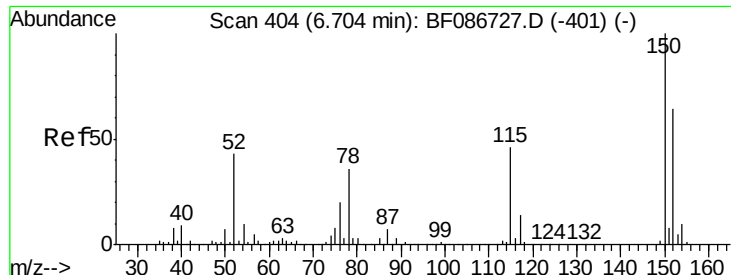
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050616\
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 QLast Update : Sat May 07 03:18:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.00	196	309436	54.45	nq	94
43) 2,4,5-Trichlorophenol	9.06	196	306777	51.68	nq	95
45) 1,1'-Biphenyl	9.17	154	1215168	48.14	nq	95
46) 2-Chloronaphthalene	9.20	162	913387	46.89	nq	# 92
47) 2-Nitroaniline	9.31	65	340200	49.13	nq	# 75
48) Acenaphthylene	9.61	152	1410160	48.77	nq	99
49) Dimethylphthalate	9.49	163	1077115	46.80	nq	99
50) 2,6-Dinitrotoluene	9.55	165	225214	45.60	nq	# 78
51) Acenaphthene	9.78	154	896750	47.02	nq	99
52) 3-Nitroaniline	9.73	138	128778	22.93	nq	# 94
53) 2,4-Dinitrophenol	9.84	184	300419	115.38	nq	# 80
54) Dibenzofuran	9.96	168	1316215	55.67	nq	99
55) 4-Nitrophenol	9.96	139	681202	208.09	nq	# 18
56) 2,4-Dinitrotoluene	9.95	165	268746	43.91	nq	# 64
57) Fluorene	10.29	166	875912	45.72	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.09	232	269226	61.75	nq	100
59) Diethylphthalate	10.19	149	1187673	54.52	nq	98
60) 4-Chlorophenyl-phenylether	10.29	204	473405	51.97	nq	91
61) 4-Nitroaniline	10.34	138	108135	20.04	nq	# 71
62) Azobenzene	10.45	77	1406922	58.28	nq	87
64) 4,6-Dinitro-2-methylphenol	10.36	198	201370	64.61	nq	# 79
65) n-Nitrosodiphenylamine	10.42	169	916392	52.40	nq	98
66) 4-Bromophenyl-phenylether	10.78	248	283094	51.72	nq	# 76
67) Hexachlorobenzene	10.84	284	339758	50.90	nq	# 86
68) Atrazine	10.96	200	284280	53.04	nq	95
69) Pentachlorophenol	11.05	266	367983	111.16	nq	98
70) Phenanthrene	11.25	178	1323473	44.74	nq	99
71) Anthracene	11.31	178	1529564	49.37	nq	100
72) Carbazole	11.47	167	1274659	47.38	nq	98
73) Di-n-butylphthalate	11.80	149	1533119	48.00	nq	# 98
74) Fluoranthene	12.43	202	1415678	47.75	nq	99
76) Benzidine	12.81	184	20385	8.75	nq	96
77) Pyrene	12.66	202	1339743	43.87	nq	99
79) Butylbenzylphthalate	13.29	149	607209	47.47	nq	# 66
80) Benzo(a)anthracene	13.85	228	1077518	49.74	nq	99
82) Chrysene	13.88	228	887705	38.41	nq	98
83) Bis(2-ethylhexyl)phthalate	13.85	149	758245	51.22	nq	# 95
84) Di-n-octyl phthalate	14.45	149	1349166	61.94	nq	# 86
85) Indeno(1,2,3-cd)pyrene	16.55	276	950264	47.92	nq	95
87) Benzo(b)fluoranthene	14.85	252	1863186	99.00	nq	97
88) Benzo(k)fluoranthene	14.85	252	1865466	105.20	nq	99
89) Benzo(a)pyrene	15.19	252	888995	51.28	nq	98
90) Dibenzo(a,h)anthracene	16.56	278	783557	47.05	nq	95
91) Benzo(g,h,i)perylene	16.93	276	819518	46.87	nq	95

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



#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 6.70 min Scan# 404

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Instrument :

BNA_F

ClientSampleId :

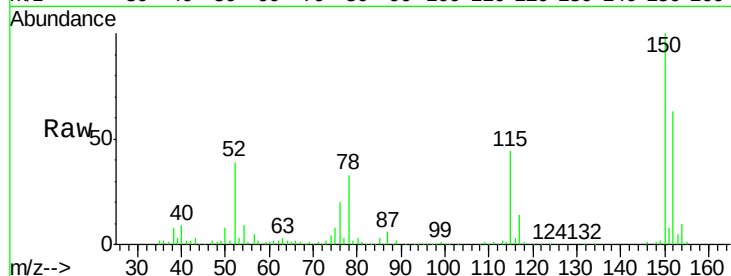
Tot Ion:152 Resp: 172798

Ion Ratio Lower Upper

152 100

150 159.4 125.8 188.6

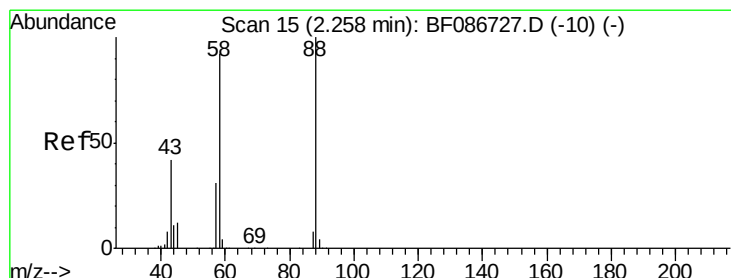
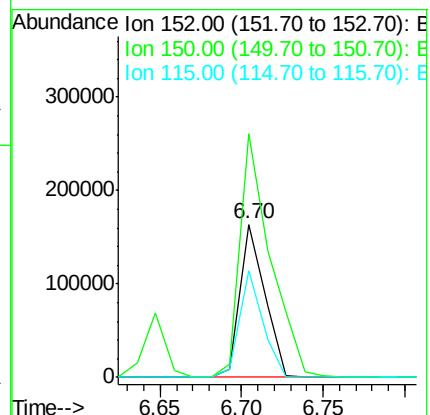
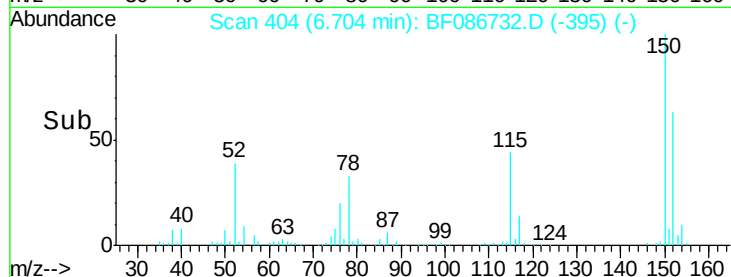
115 70.1 51.5 77.3



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: 16.93 ng

RT: 2.33 min Scan# 21

Delta R.T. 0.07 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

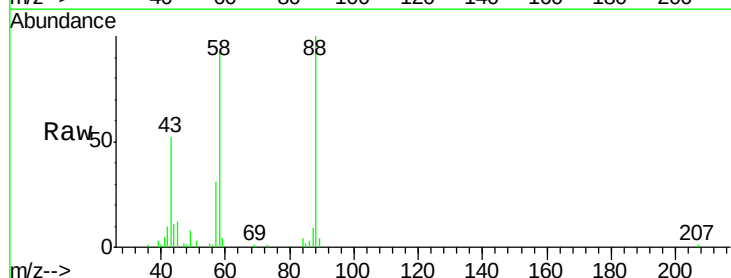
Tgt Ion: 88 Resp: 91330

Ion Ratio Lower Upper

88 100

58 92.2 59.6 89.4#

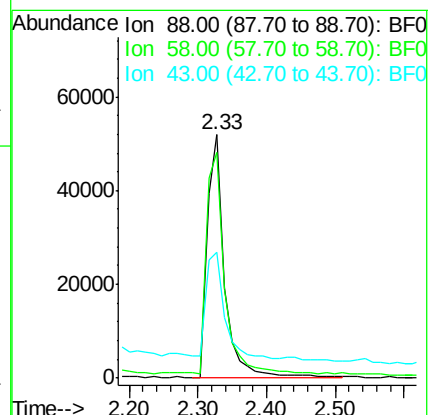
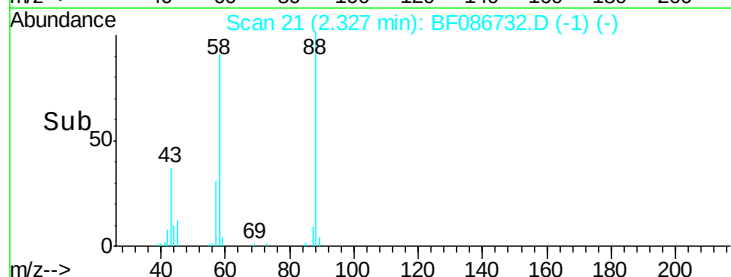
43 44.4 21.8 32.6#

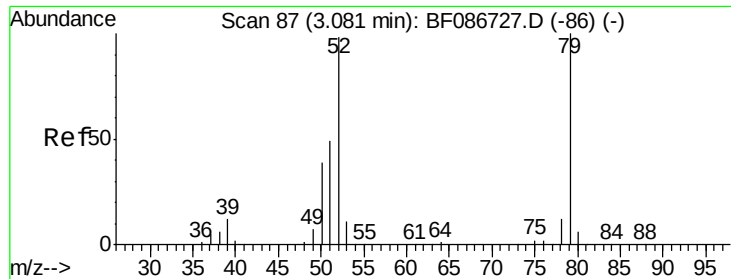


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 12.74 ng

RT: 3.14 min Scan# 92

Delta R.T. 0.06 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Instrument :

BNA_F

ClientSampled :

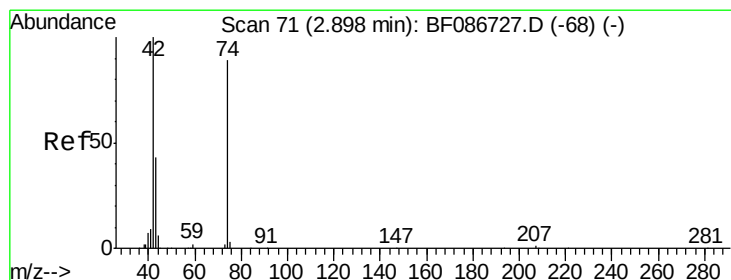
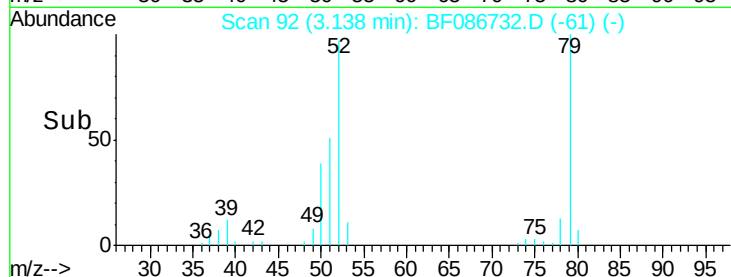
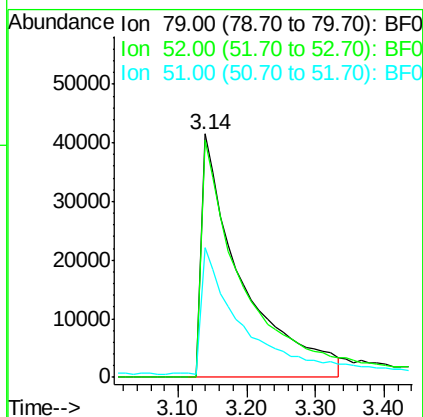
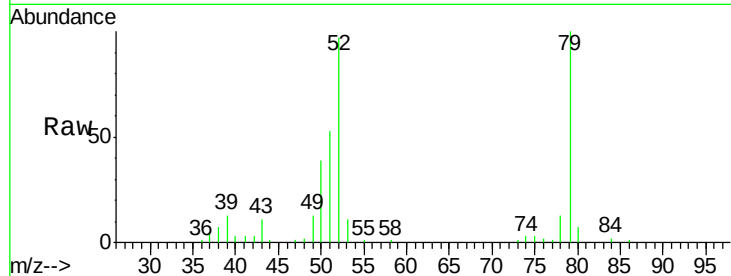
Tot Ion: 79 Resp: 168568

Ion Ratio Lower Upper

79 100

52 97.3 55.9 83.9#

51 53.1 28.1 42.1#



#4

n-Nitrosodimethylamine

Concen: 20.27 ng

RT: 2.96 min Scan# 76

Delta R.T. 0.06 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

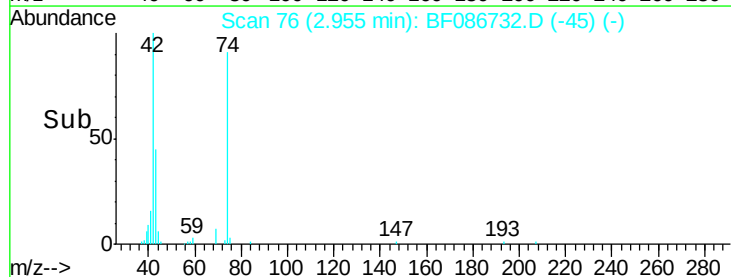
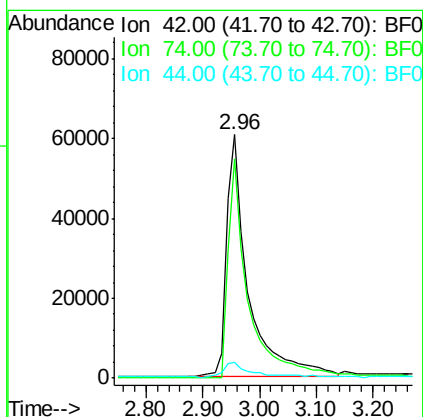
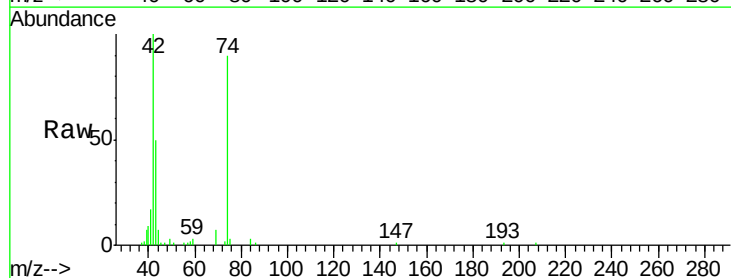
Tgt Ion: 42 Resp: 162664

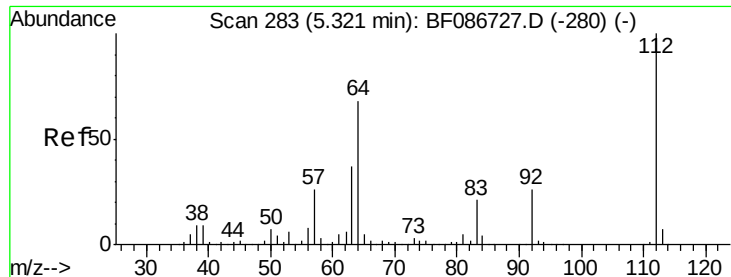
Ion Ratio Lower Upper

42 100

74 89.9 123.4 185.0#

44 6.6 5.8 8.6

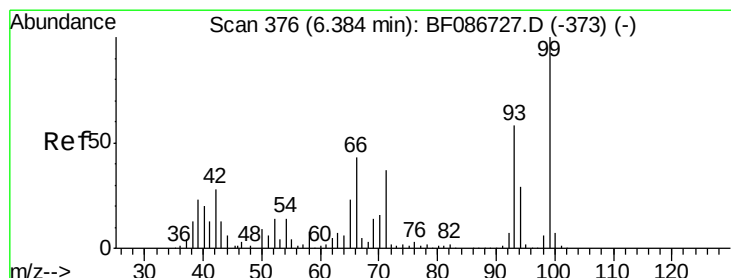
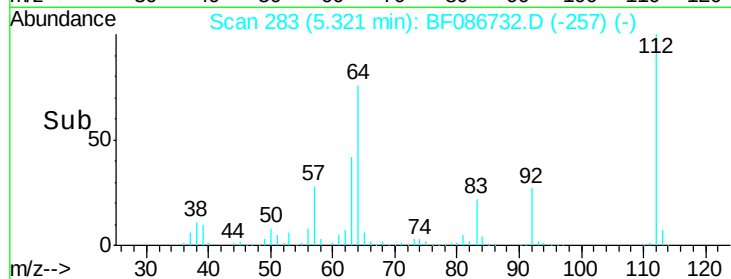
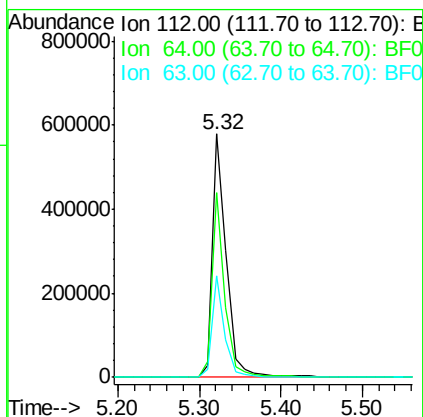
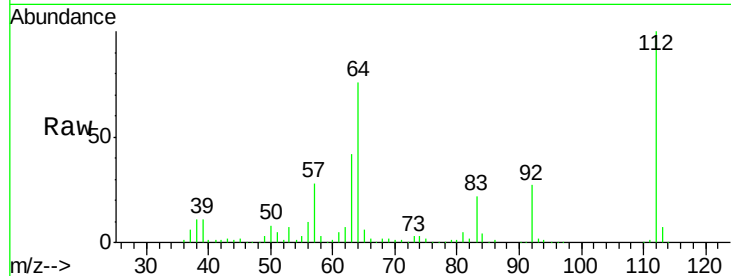




#5
2-Fluorophenol
Concen: 66.84 ng
RT: 5.32 min Scan# 283
Delta R.T. -0.00 min
Lab File: BF086732.D
Acq: 6 May 2016 19:06

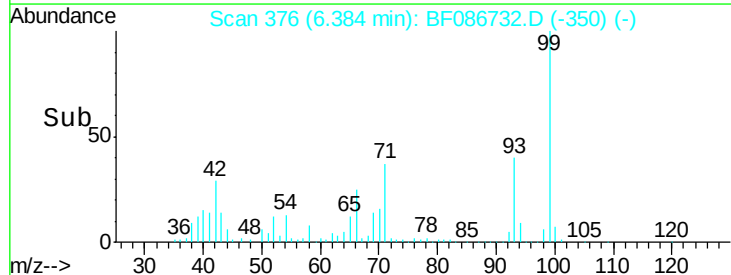
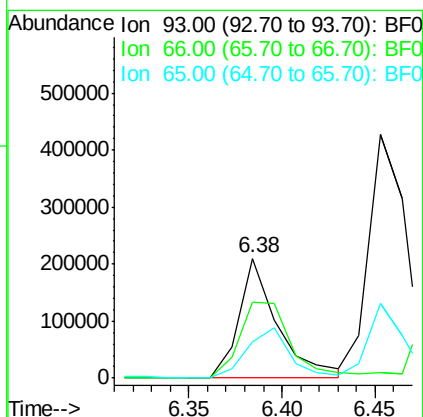
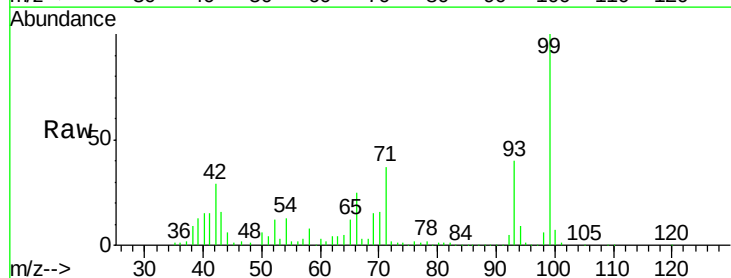
Instrument :
BNA_F
ClientSampleId :

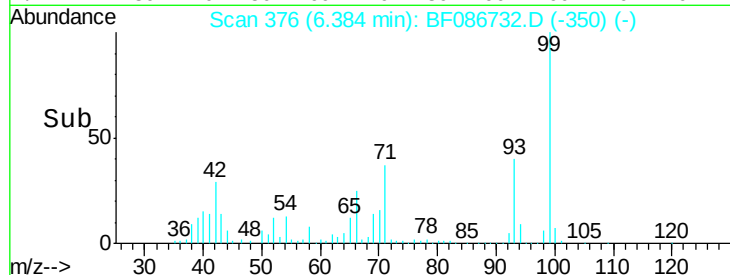
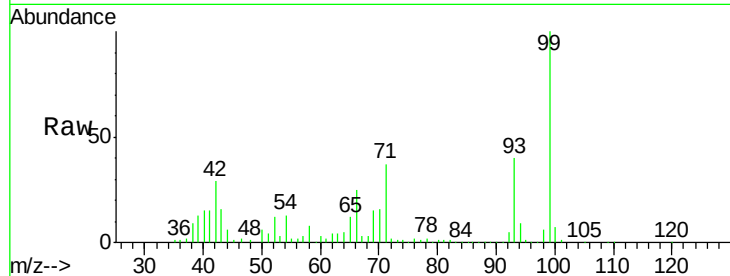
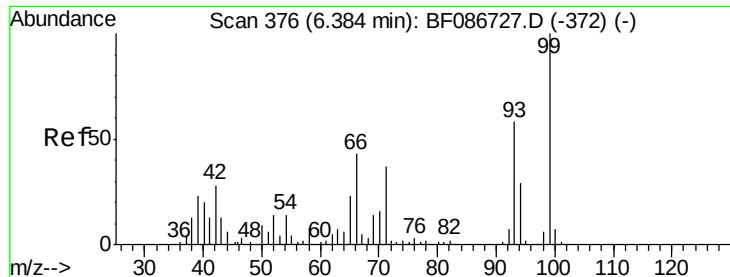
Tot Ion:112 Resp: 697616
Ion Ratio Lower Upper
112 100
64 75.7 52.1 78.1
63 41.6 25.7 38.5#



#6
Aniline
Concen: 17.53 ng
RT: 6.38 min Scan# 376
Delta R.T. -0.00 min
Lab File: BF086732.D
Acq: 6 May 2016 19:06

Tgt Ion: 93 Resp: 304249
Ion Ratio Lower Upper
93 100
66 63.6 39.0 58.6#
65 30.3 20.6 31.0





#7

Phenol-d6

Concen: 40.95 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Instrument :

BNA_F

ClientSampleId :

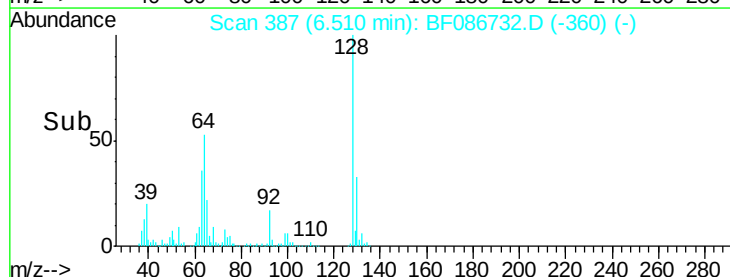
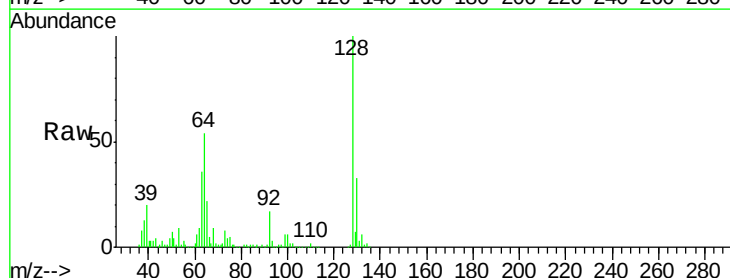
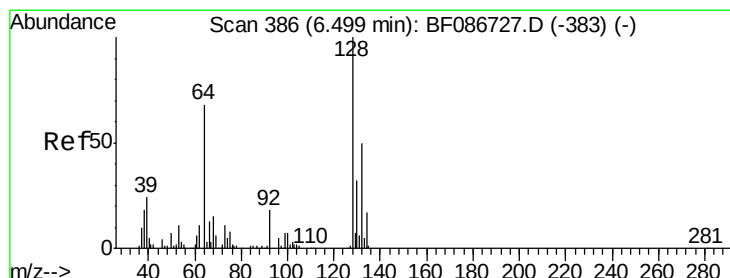
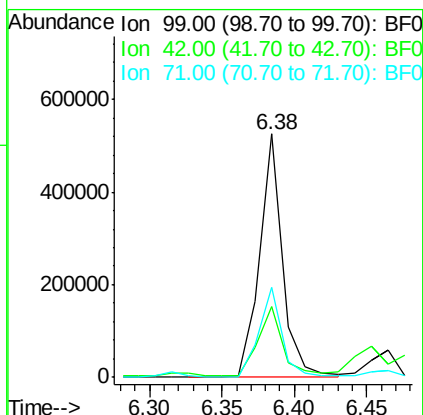
Tot Ion: 99 Resp: 575834

Ion Ratio Lower Upper

99 100

42 29.0 13.6 20.4#

71 37.0 24.6 36.8#



#8

2-Chlorophenol

Concen: 38.66 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.01 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

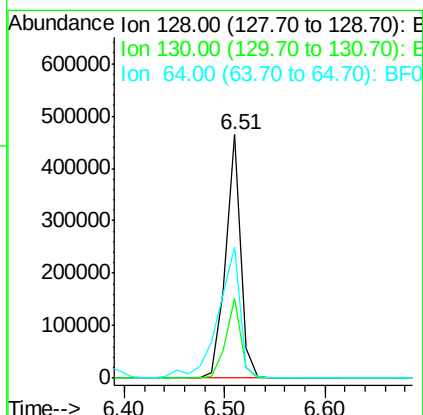
Tgt Ion: 128 Resp: 484214

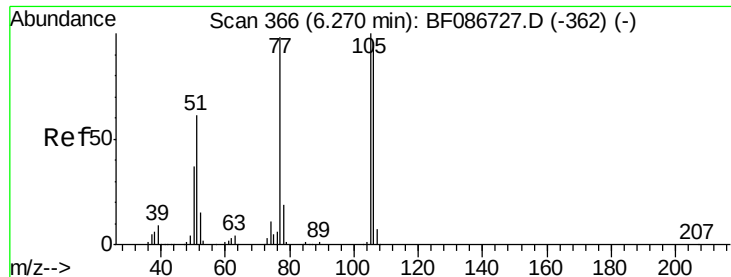
Ion Ratio Lower Upper

128 100

130 32.8 12.5 52.5

64 53.6 27.3 67.3





#9

Benzaldehyde

Concen: 16.08 ng

RT: 6.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Instrument :

BNA_F

ClientSampleId :

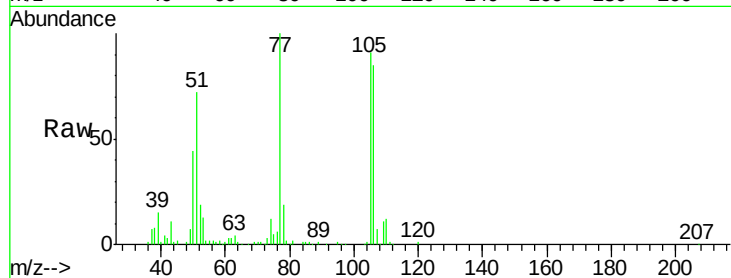
Tot Ion: 77 Resp: 112803

Ion Ratio Lower Upper

77 100

105 91.5 72.7 112.7

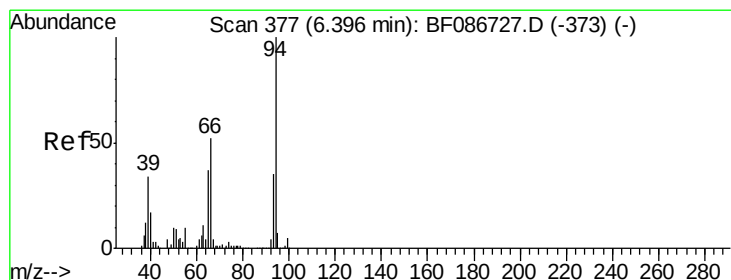
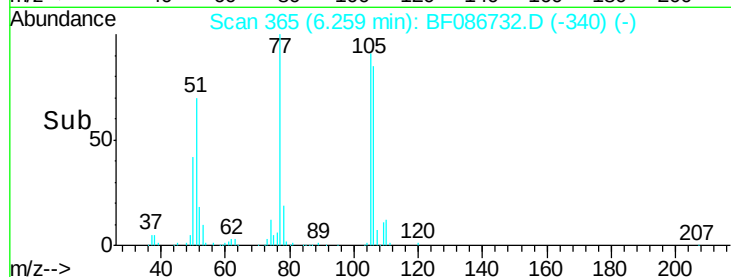
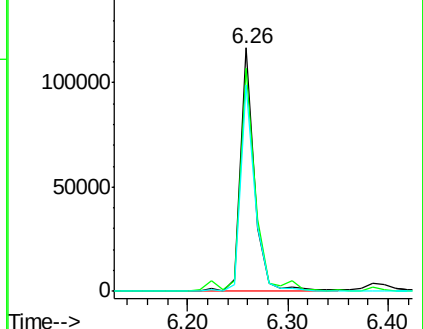
106 85.0 70.8 110.8



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: 15.87 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

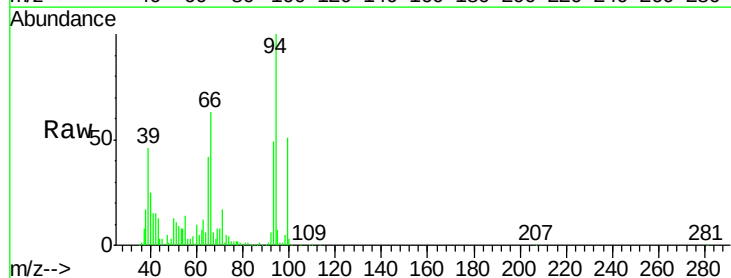
Tgt Ion: 94 Resp: 244069

Ion Ratio Lower Upper

94 100

65 41.8 7.2 47.2

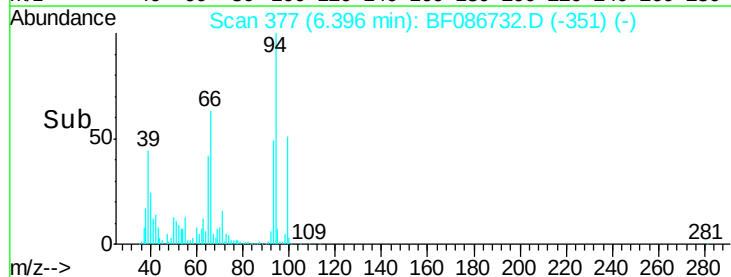
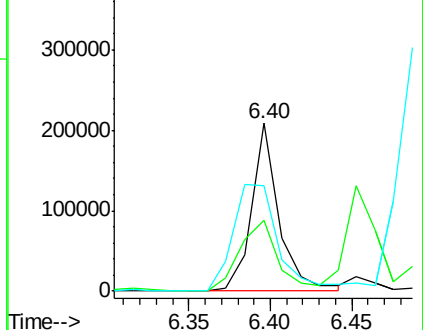
66 62.9 14.9 54.9#

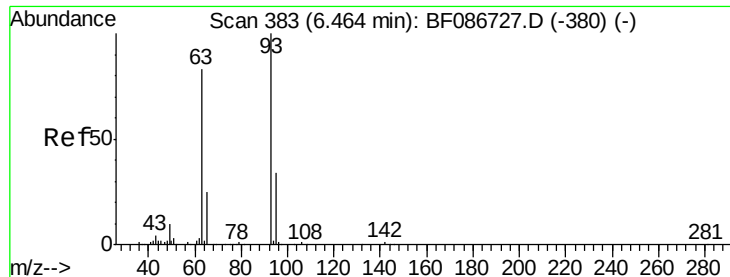


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

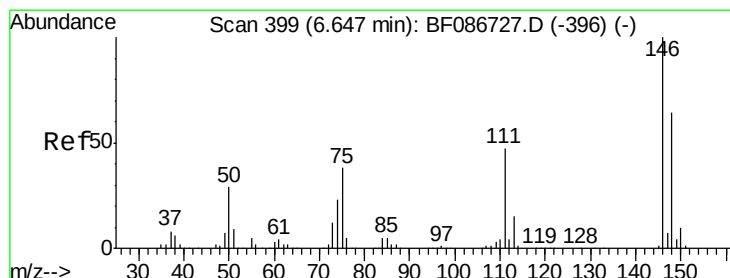
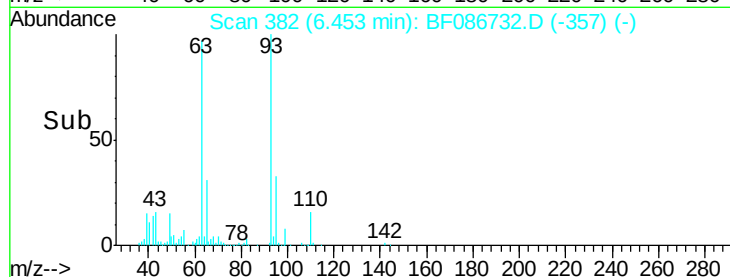
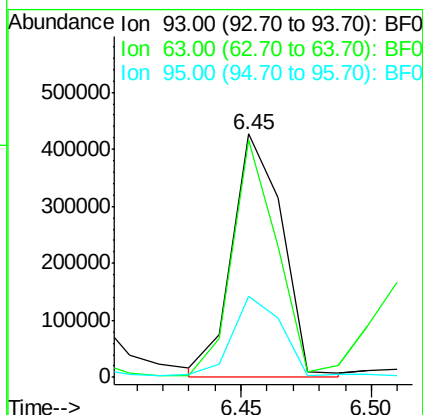
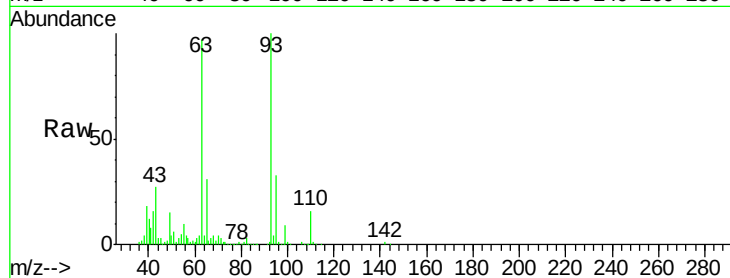




#11
bis(2-Chloroethyl)ether
Concen: 43.05 ng
RT: 6.45 min Scan# 382
Delta R.T. -0.01 min
Lab File: BF086732.D
Acq: 6 May 2016 19:06

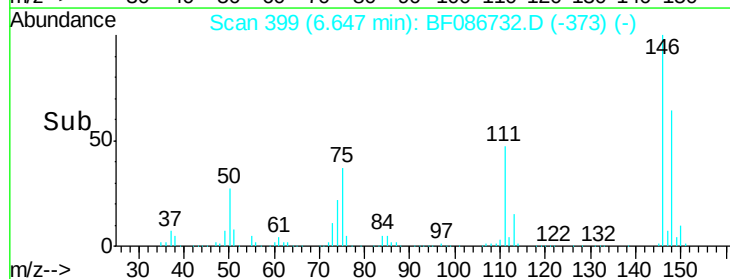
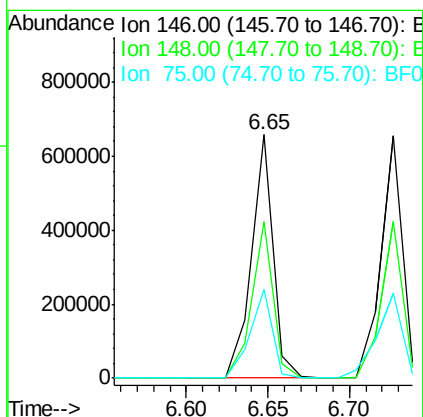
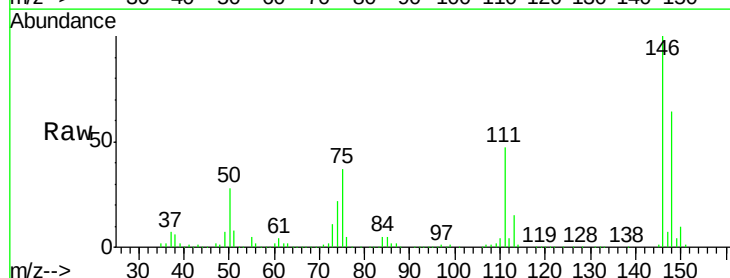
Instrument :
BNA_F
ClientSampleId :

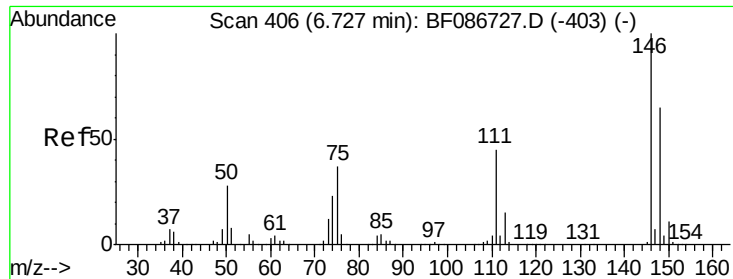
Tot Ion: 93 Resp: 569981
Ion Ratio Lower Upper
93 100
63 97.4 58.0 98.0
95 33.2 11.9 51.9



#12
1,3-Dichlorobenzene
Concen: 45.25 ng
RT: 6.65 min Scan# 399
Delta R.T. -0.00 min
Lab File: BF086732.D
Acq: 6 May 2016 19:06

Tgt Ion: 146 Resp: 601816
Ion Ratio Lower Upper
146 100
148 64.1 52.4 78.6
75 36.5 22.8 34.2#

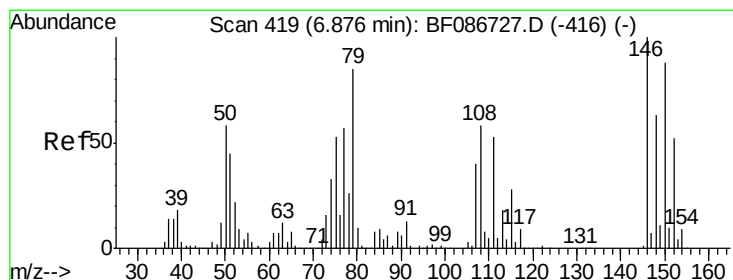
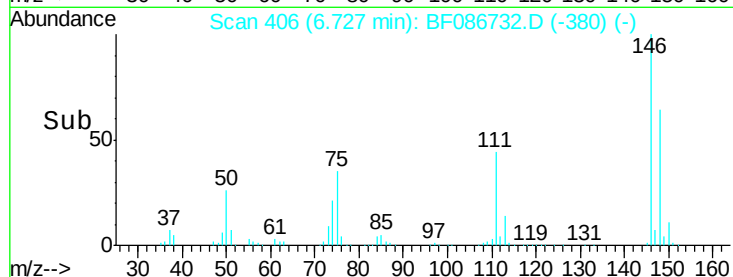
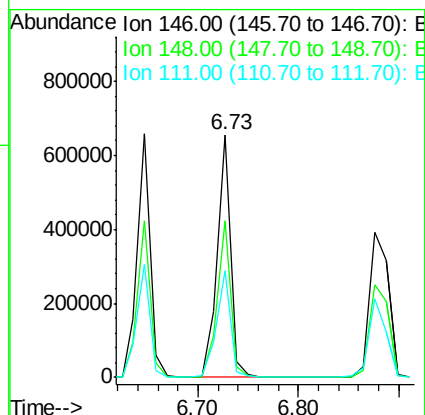
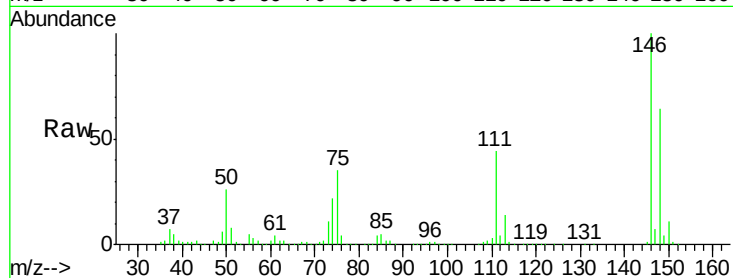




#13
 1,4-Dichlorobenzene
 Concen: 44.47 ng
 RT: 6.73 min Scan# 406
 Delta R.T. -0.00 min
 Lab File: BF086732.D
 Acq: 6 May 2016 19:06

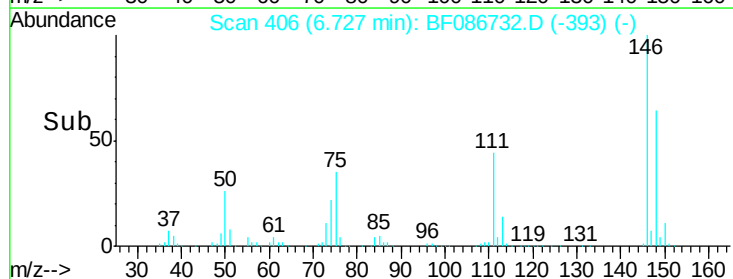
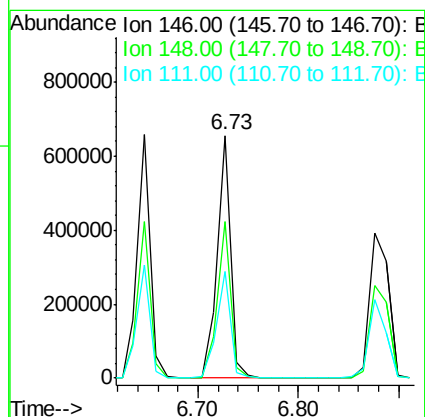
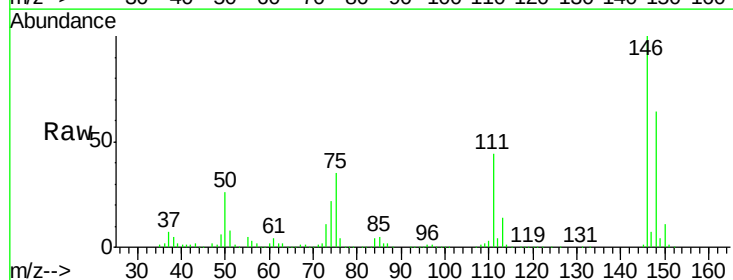
Instrument :
 BNA_F
 ClientSampled :

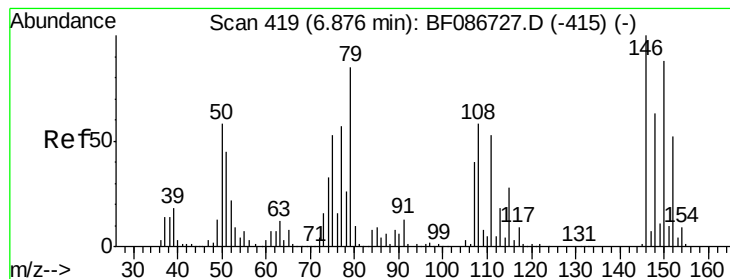
Tot Ion:146 Resp: 611567
 Ion Ratio Lower Upper
 146 100
 148 64.4 52.2 78.4
 111 44.0 30.7 46.1



#14
 1,2-Dichlorobenzene
 Concen: 51.22 ng
 RT: 6.73 min Scan# 406
 Delta R.T. -0.15 min
 Lab File: BF086732.D
 Acq: 6 May 2016 19:06

Tgt Ion:146 Resp: 613314
 Ion Ratio Lower Upper
 146 100
 148 64.4 51.0 76.6
 111 44.0 36.2 54.4





#15

Benzyl Alcohol

Concen: 35.28 ng

RT: 6.88 min Scan# 419

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Instrument :

BNA_F

ClientSampleId :

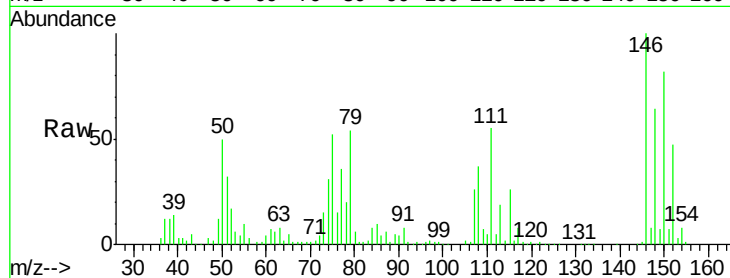
Tot Ion: 79 Resp: 320893

Ion Ratio Lower Upper

79 100

108 69.3 68.4 102.6

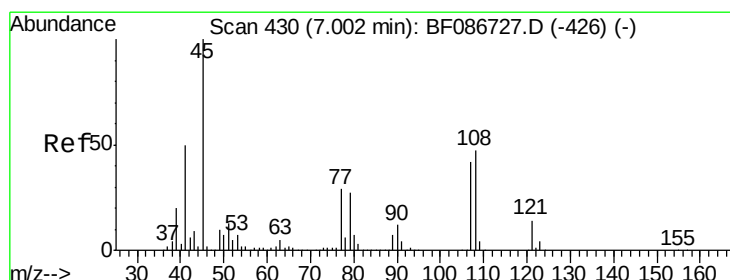
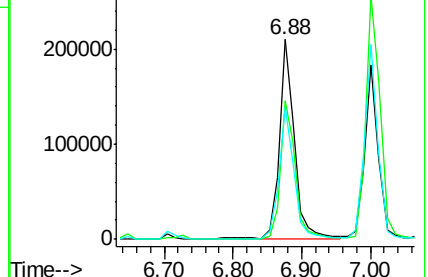
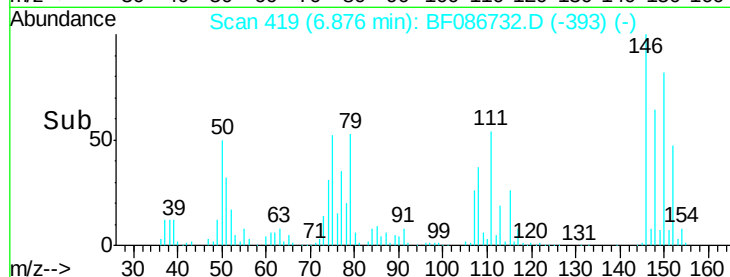
77 66.2 50.6 76.0



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.08 ng

RT: 7.00 min Scan# 430

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

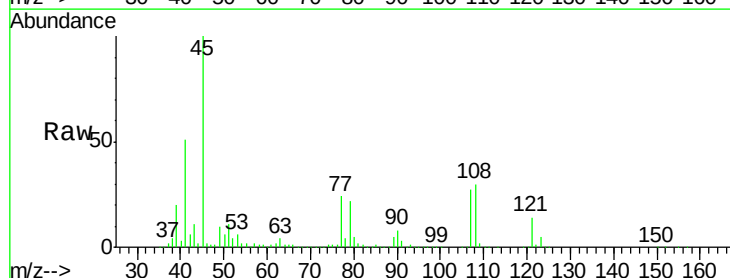
Tgt Ion: 45 Resp: 1166171

Ion Ratio Lower Upper

45 100

77 24.3 0.0 36.4

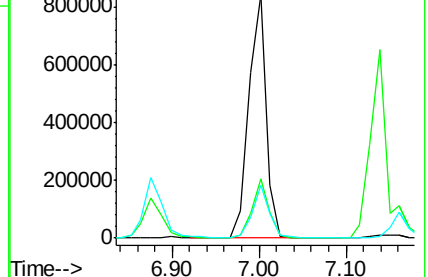
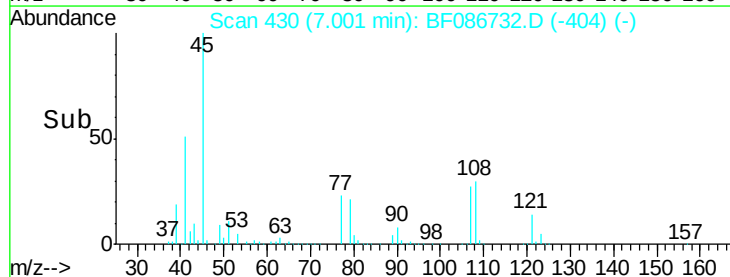
79 21.9 0.0 33.4

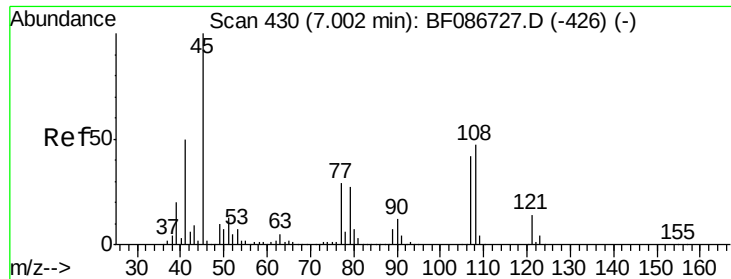


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 31.41 ng

RT: 7.00 min Scan# 430

Delta R.T. -0.00 min

Lab File: BF086732.D

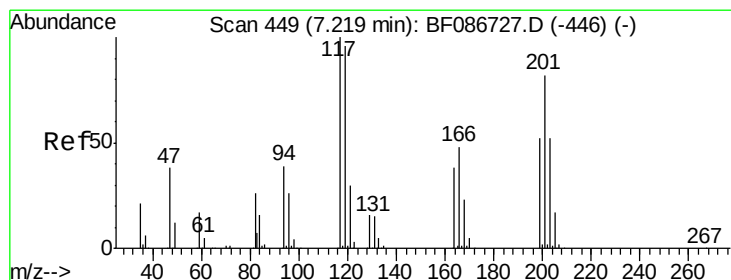
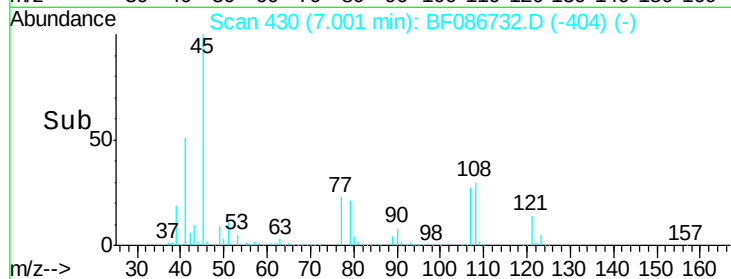
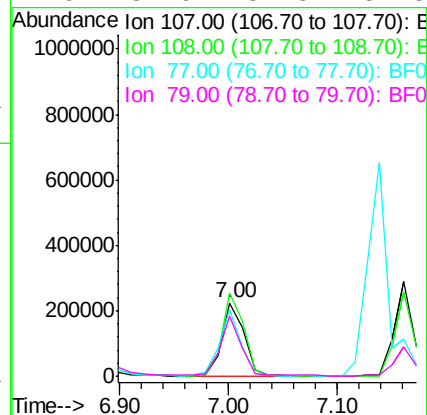
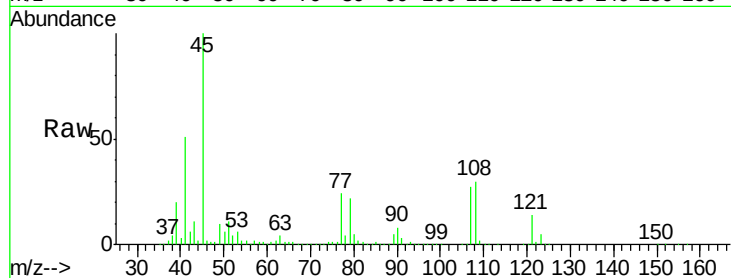
Acq: 6 May 2016 19:06

Instrument :

BNA_F

ClientSampled :

Tot Ion:	107	Resp:	316795
Ion	Ratio	Lower	Upper
107	100		
108	113.9	93.7	140.5
77	91.1	33.4	50.0#
79	81.9	34.3	51.5#



#18

Hexachloroethane

Concen: 45.84 ng

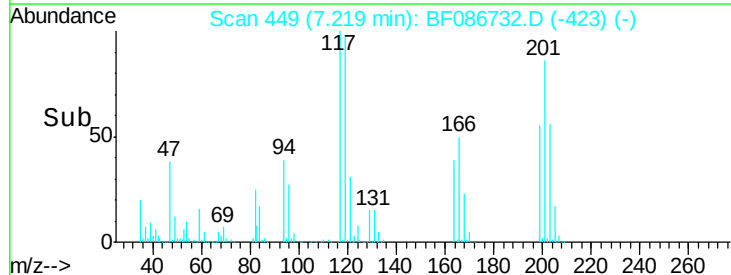
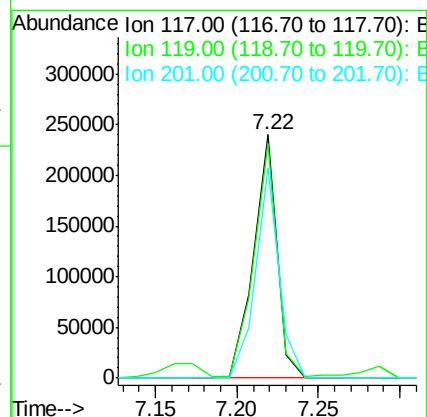
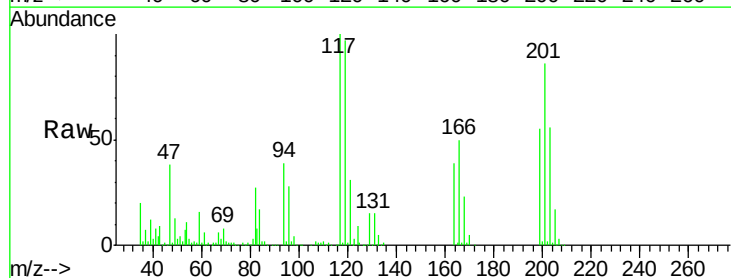
RT: 7.22 min Scan# 449

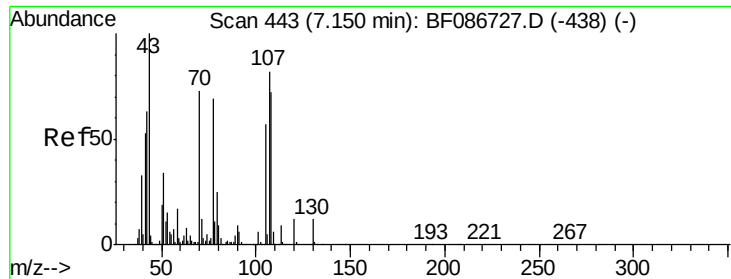
Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Tgt Ion:	117	Resp:	238011
Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.5	114.7
201	86.5	63.0	94.6

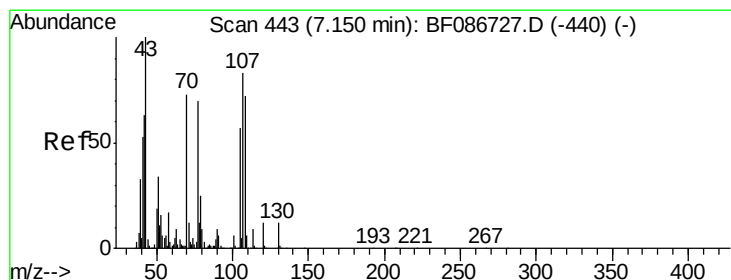
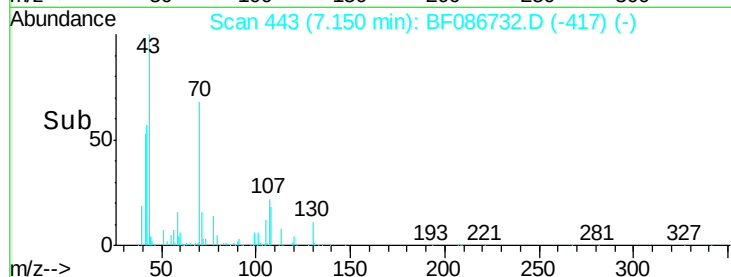
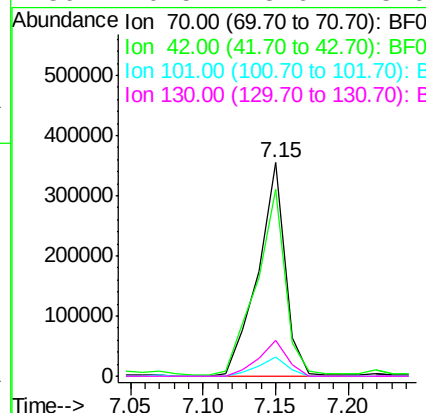
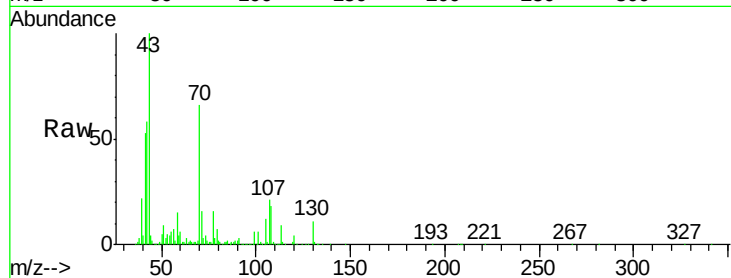




#19
 n-Nitroso-di-n-propylamine
 Concen: 48.55 ng
 RT: 7.15 min Scan# 443
 Delta R.T. -0.00 min
 Lab File: BF086732.D
 Acq: 6 May 2016 19:06

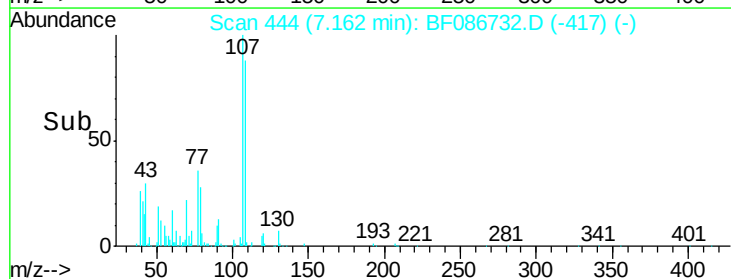
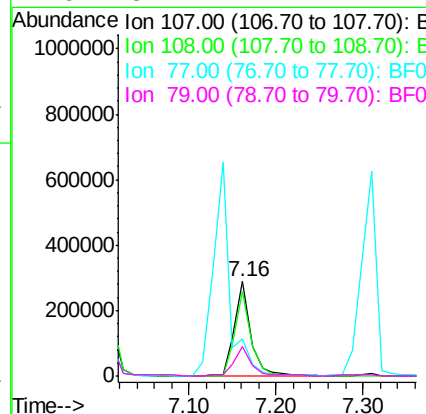
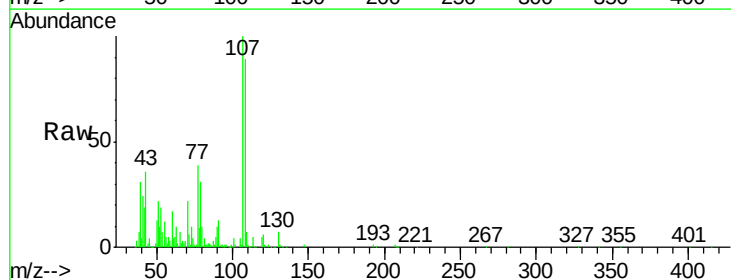
Instrument :
 BNA_F
 ClientSampleId :

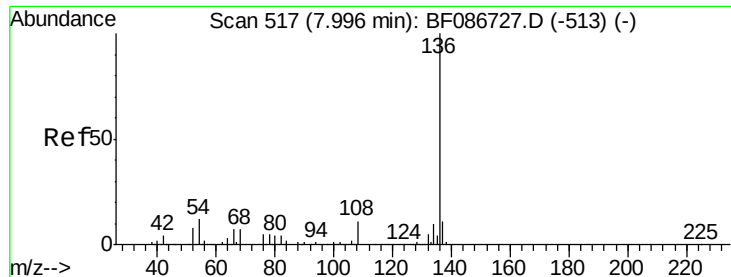
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	87.7	43.1	64.7#	
101	9.1	8.1	12.1	
130	16.5	18.6	28.0#	



#20
 3+4-Methylphenols
 Concen: 31.73 ng
 RT: 7.16 min Scan# 444
 Delta R.T. 0.01 min
 Lab File: BF086732.D
 Acq: 6 May 2016 19:06

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	89.1	68.5	108.5	
77	38.9	101.6	141.6#	
79	31.2	7.4	47.4	





#21

Naphthalene-d8

Concen: 40.00 ng

RT: 8.00 min Scan# 517

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 691878

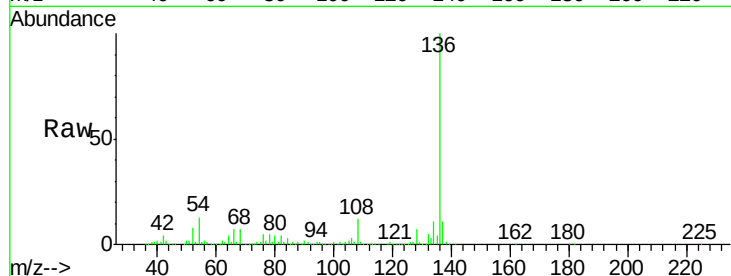
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 12.8 5.0 7.4#

68 6.9 4.4 6.6#

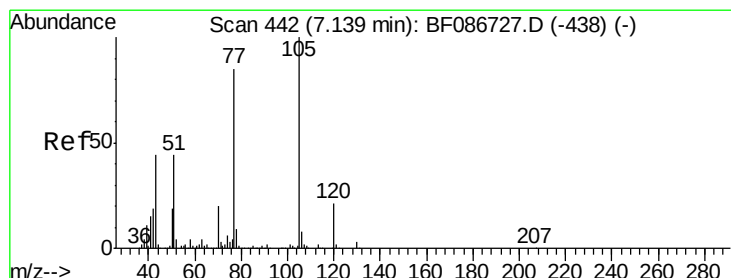
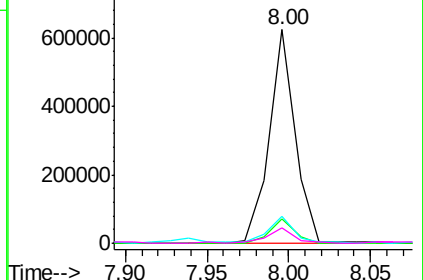
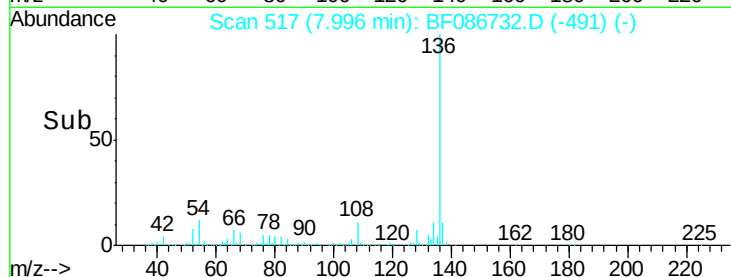


Abundance Ion 136.00 (135.70 to 136.70): E

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: 54.99 ng

RT: 7.14 min Scan# 442

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Tgt Ion:105 Resp: 886543

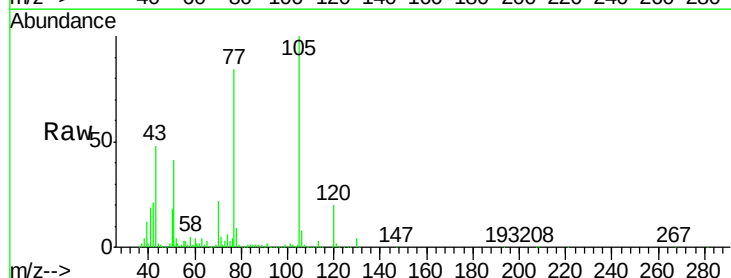
Ion Ratio Lower Upper

105 100

71 5.3 4.8 7.2

51 40.8 32.6 49.0

120 20.4 16.5 24.7

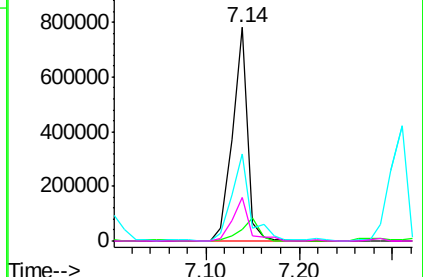
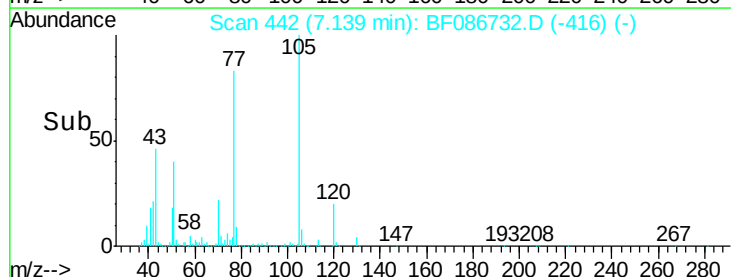


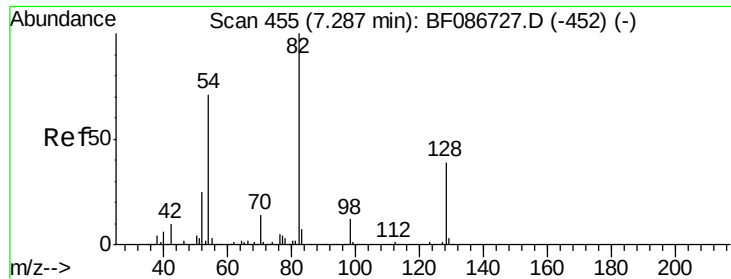
Abundance Ion 105.00 (104.70 to 105.70): E

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: 96.97 ng

RT: 7.29 min Scan# 455

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Instrument :

BNA_F

ClientSampleId :

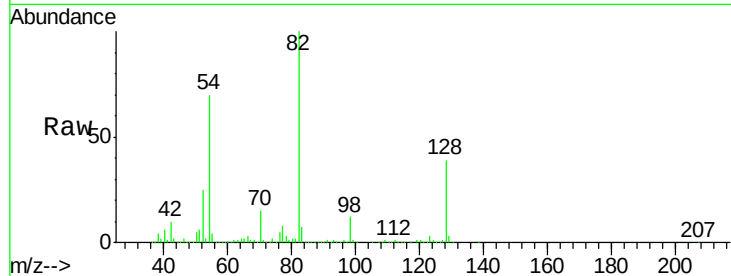
Tot Ion: 82 Resp: 1305649

Ion Ratio Lower Upper

82 100

128 39.1 40.6 61.0#

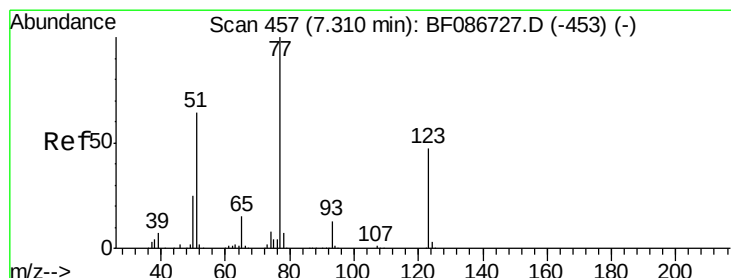
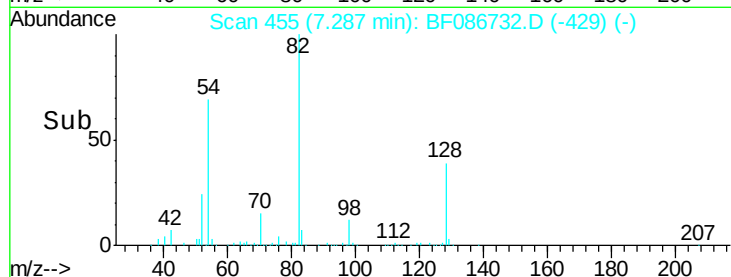
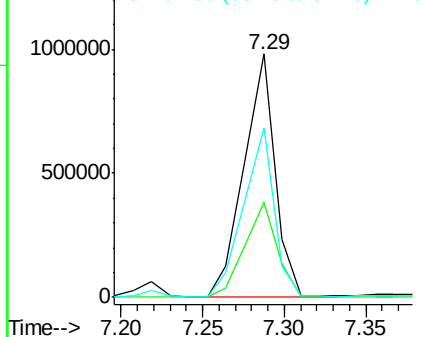
54 69.5 38.1 57.1#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 52.74 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

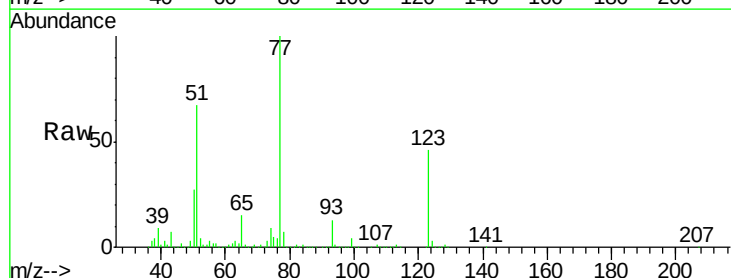
Tgt Ion: 77 Resp: 734108

Ion Ratio Lower Upper

77 100

123 46.2 33.0 49.4

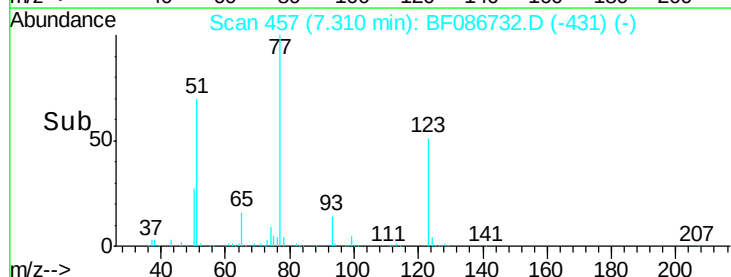
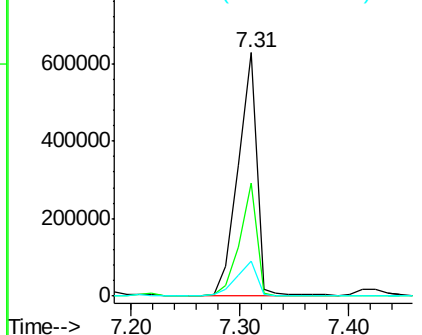
65 14.6 10.8 16.2

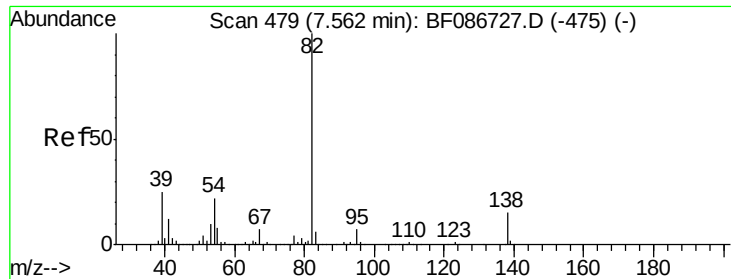


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 48.49 ng

RT: 7.56 min Scan# 479

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Instrument :

BNA_F

ClientSampleId :

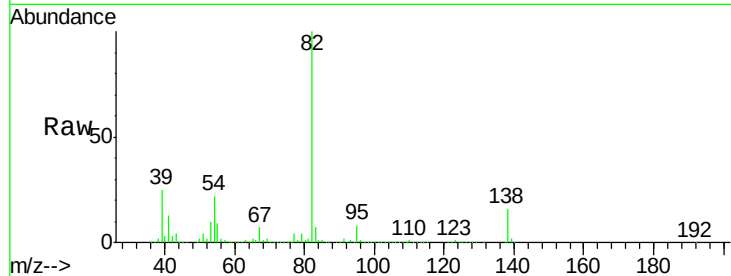
Tot Ion: 82 Resp: 1215720

Ion Ratio Lower Upper

82 100

95 7.6 5.1 7.7

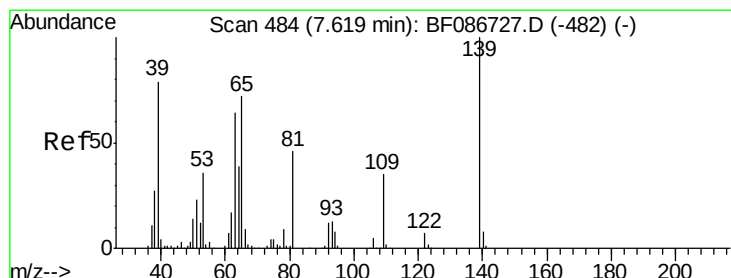
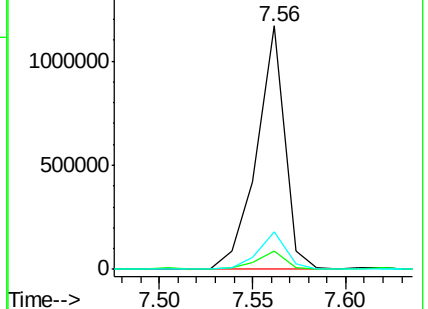
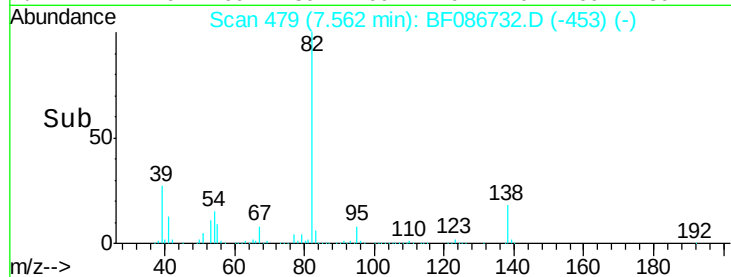
138 15.7 12.4 18.6



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 47.56 ng

RT: 7.62 min Scan# 484

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

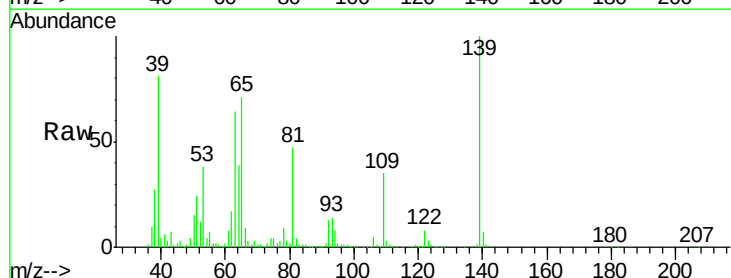
Tgt Ion: 139 Resp: 295378

Ion Ratio Lower Upper

139 100

109 34.7 19.5 29.3#

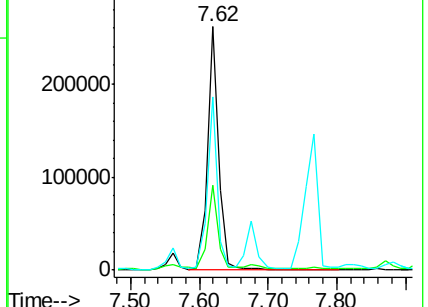
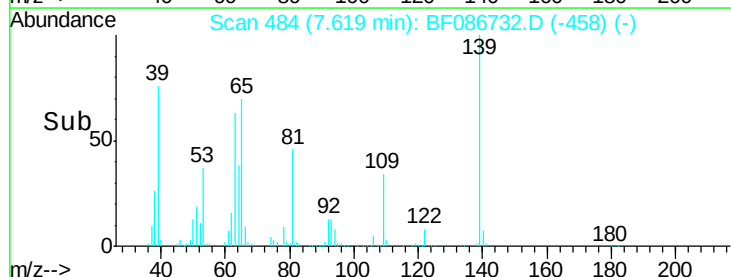
65 71.0 37.5 56.3#

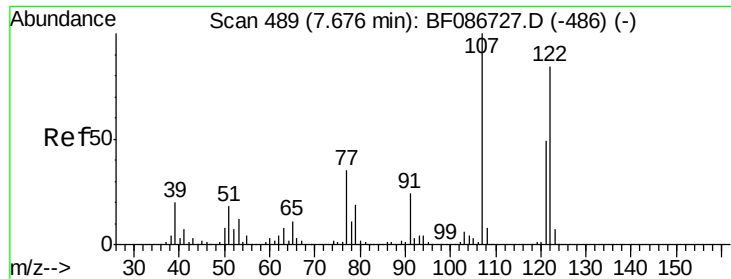


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 40.41 ng

RT: 7.68 min Scan# 489

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Instrument :

BNA_F

ClientSampleId :

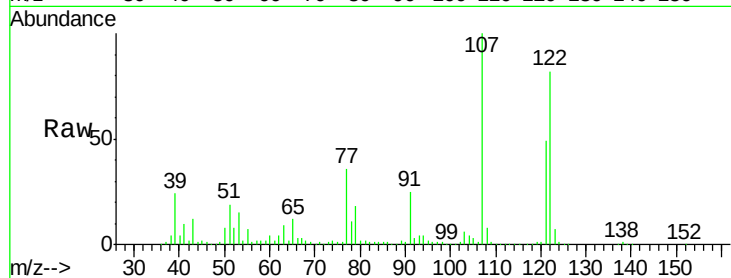
Tot Ion:122 Resp: 440690

Ion Ratio Lower Upper

122 100

107 121.8 82.0 123.0

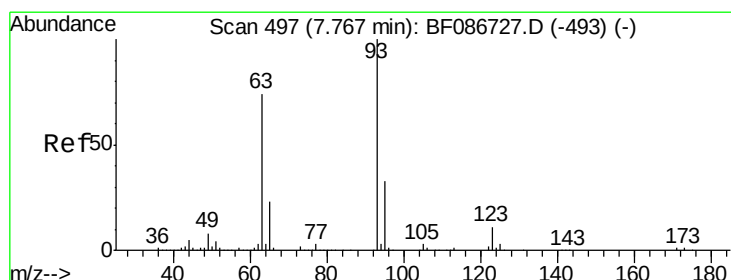
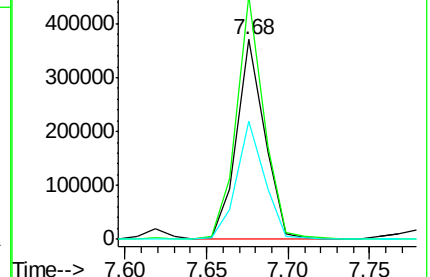
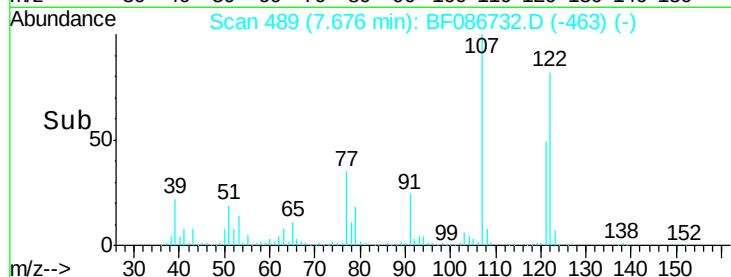
121 59.1 46.1 69.1



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: 56.42 ng

RT: 7.77 min Scan# 497

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

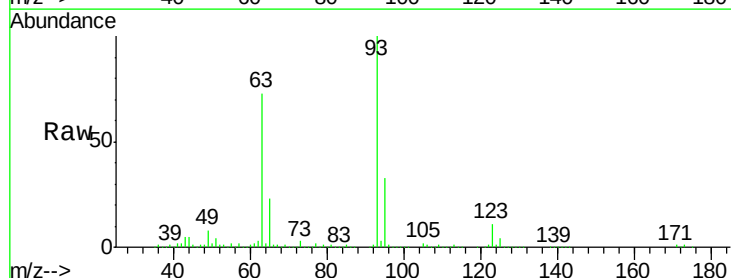
Tgt Ion: 93 Resp: 778649

Ion Ratio Lower Upper

93 100

95 33.4 26.0 39.0

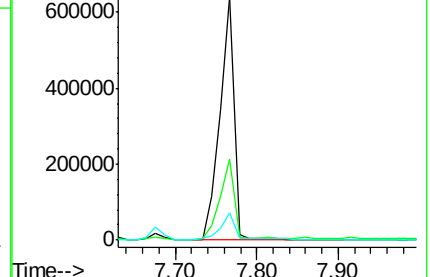
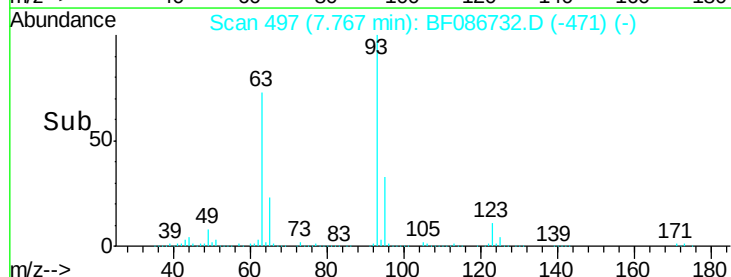
123 11.0 9.5 14.3

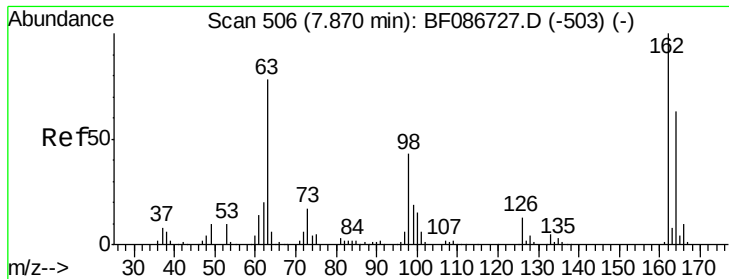


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

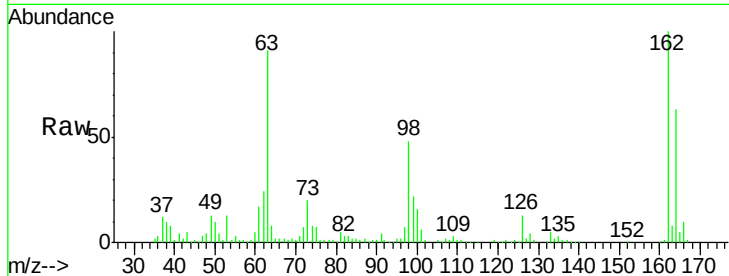




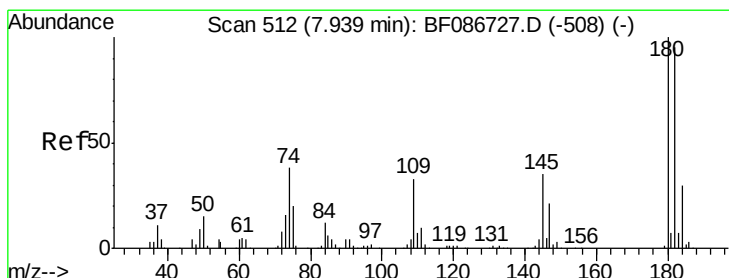
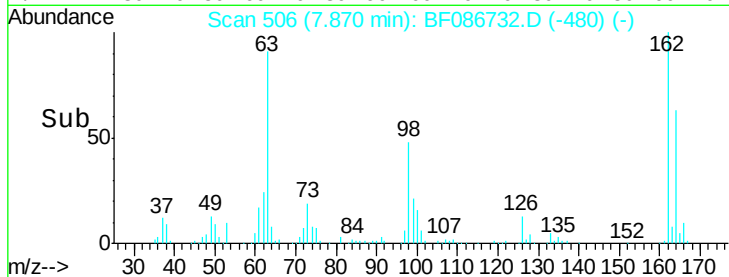
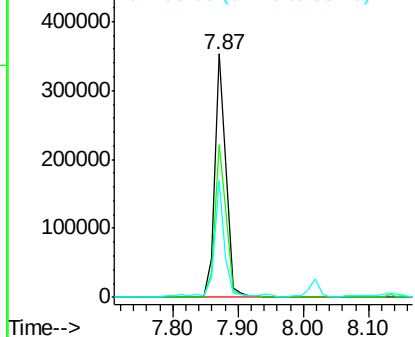
#29
 2,4-Dichlorophenol
 Concen: 46.86 ng
 RT: 7.87 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: BF086732.D
 Acq: 6 May 2016 19:06

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
162	100		
164	62.6	42.2	82.2
98	48.3	19.0	59.0

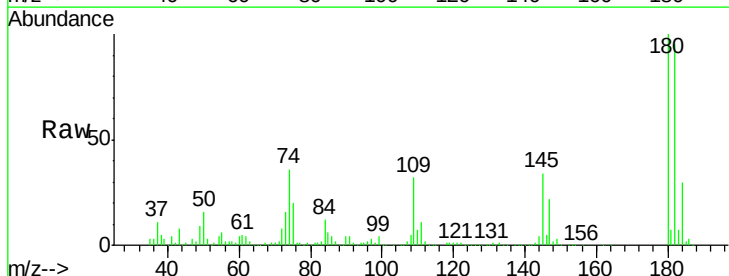


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

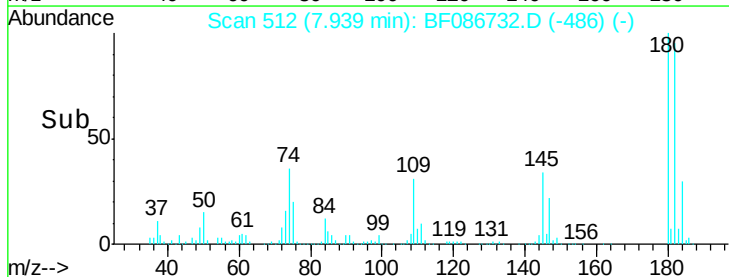
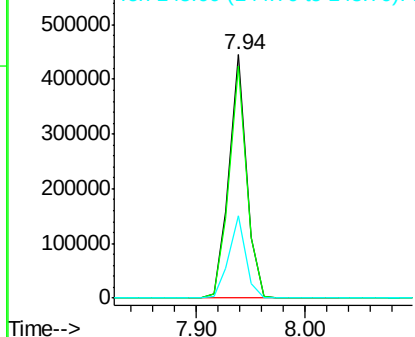


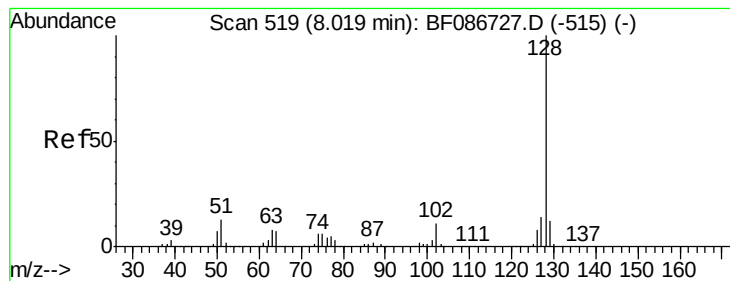
#30
 1,2,4-Trichlorobenzene
 Concen: 47.73 ng
 RT: 7.94 min Scan# 512
 Delta R.T. -0.00 min
 Lab File: BF086732.D
 Acq: 6 May 2016 19:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	78.0	117.0
145	34.1	24.2	36.2



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: 44.73 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Instrument :

BNA_F

ClientSampleId :

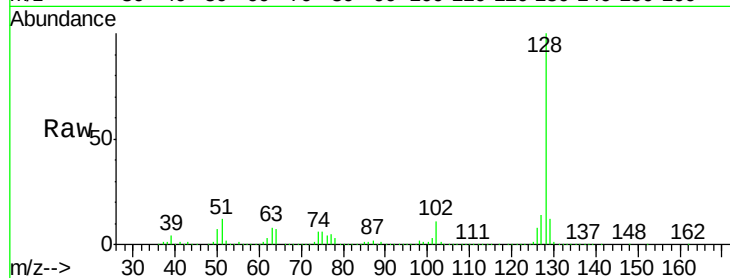
Tot Ion:128 Resp: 1581145

Ion Ratio Lower Upper

128 100

129 12.0 8.6 13.0

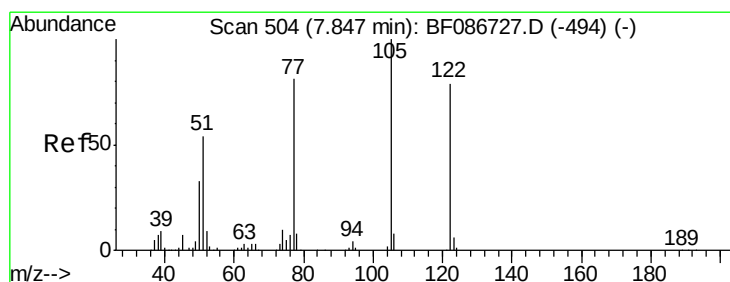
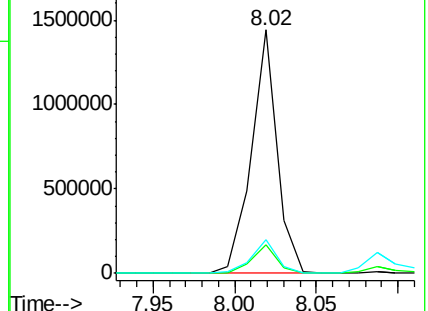
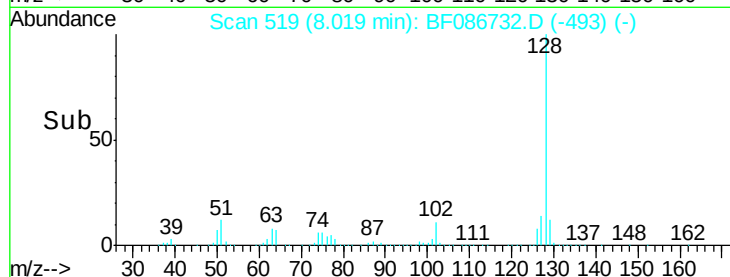
127 13.9 10.8 16.2



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: 38.44 ng

RT: 7.82 min Scan# 502

Delta R.T. -0.02 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

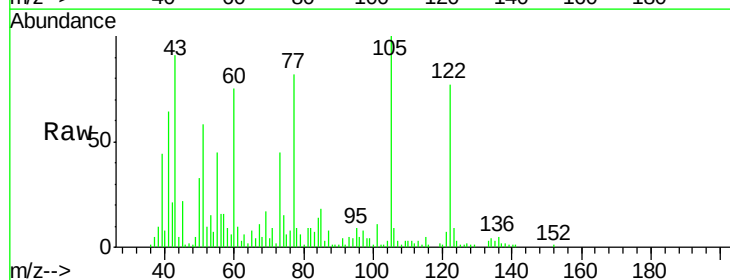
Tgt Ion:122 Resp: 154927

Ion Ratio Lower Upper

122 100

105 129.3 92.6 132.6

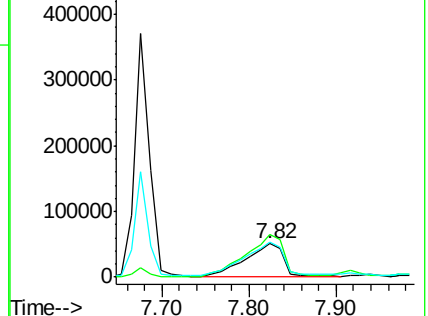
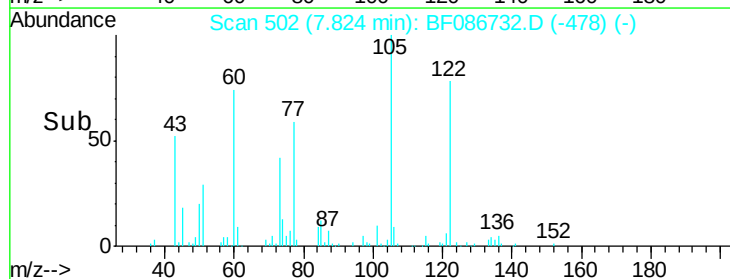
77 105.7 60.0 100.0#

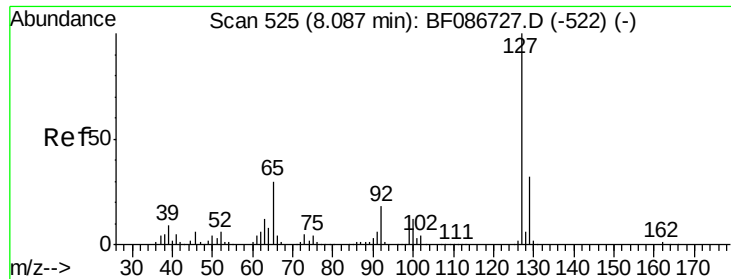


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

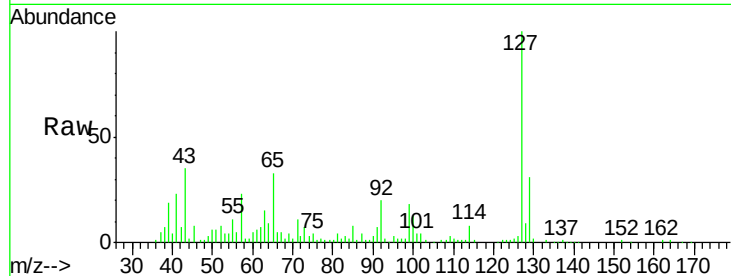




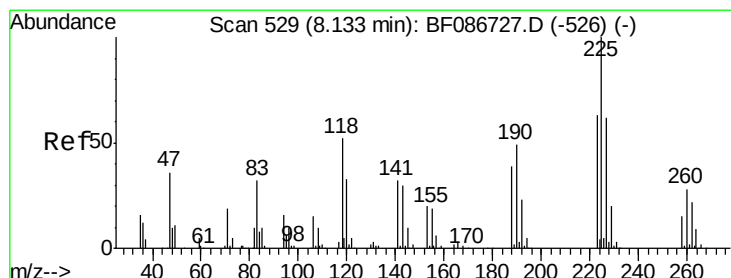
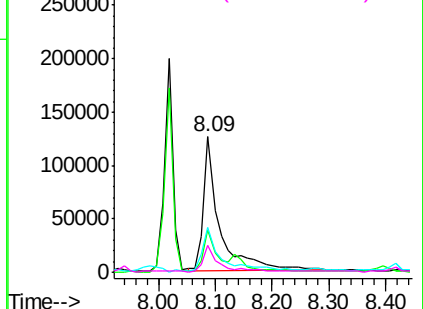
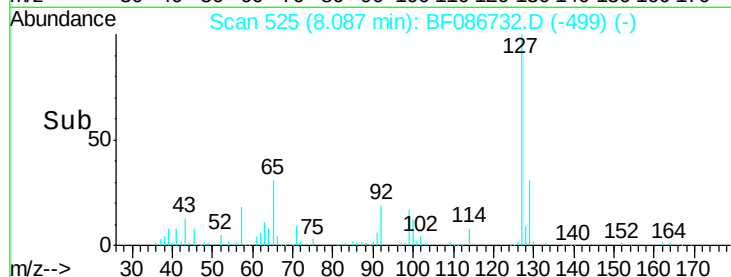
#33
4-Chloroaniline
Concen: 17.51 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.00 min
Lab File: BF086732.D
Acq: 6 May 2016 19:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	127	Resp:	239851
Ion	Ratio	Lower	Upper
127	100		
129	31.3	26.2	39.4
65	32.9	23.0	34.4
92	19.6	15.1	22.7

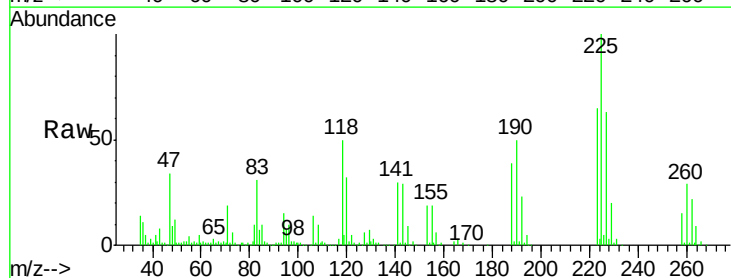


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

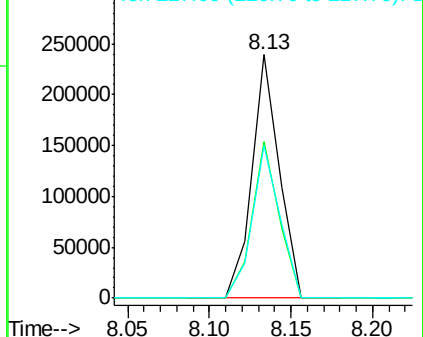
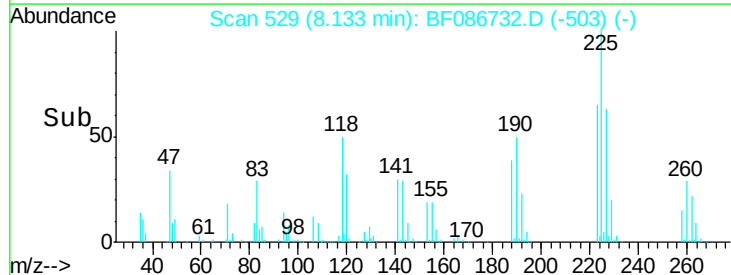


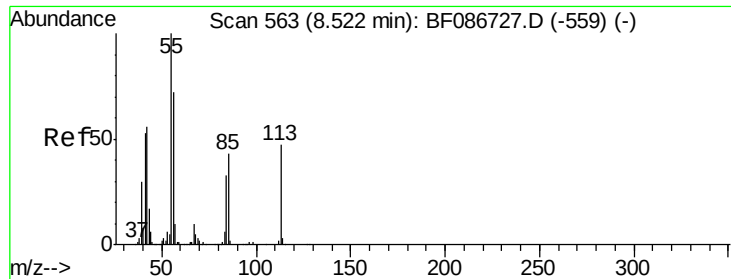
#34
Hexachlorobutadiene
Concen: 46.85 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.00 min
Lab File: BF086732.D
Acq: 6 May 2016 19:06

Tgt Ion:	225	Resp:	278226
Ion	Ratio	Lower	Upper
225	100		
223	64.5	51.5	77.3
227	63.0	52.2	78.2



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 6.69 ng

RT: 8.53 min Scan# 564

Delta R.T. 0.01 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Instrument :

BNA_F

ClientSampleId :

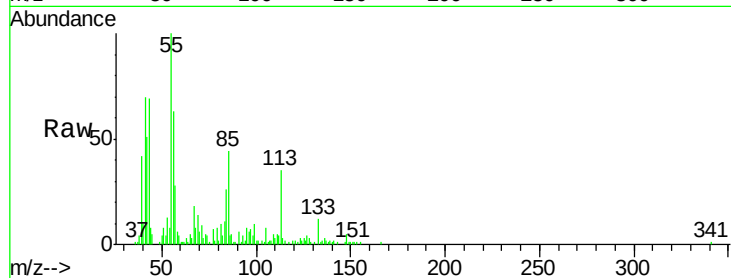
Tot Ion:113 Resp: 19428

Ion Ratio Lower Upper

113 100

55 284.3 162.0 202.0#

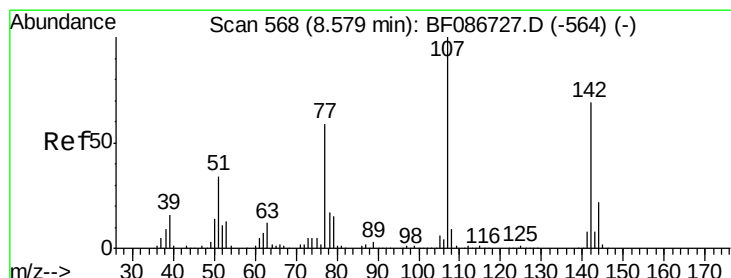
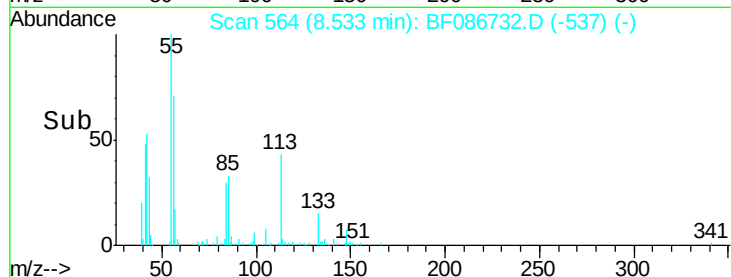
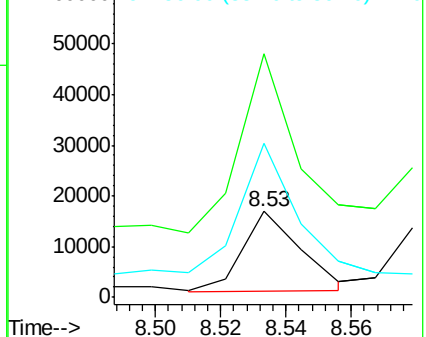
56 179.2 115.3 155.3#



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: 40.01 ng

RT: 8.58 min Scan# 568

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

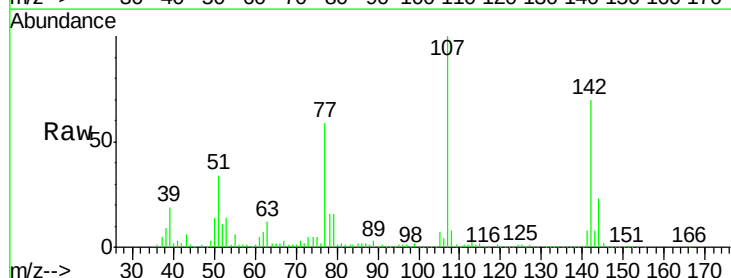
Tgt Ion:107 Resp: 428059

Ion Ratio Lower Upper

107 100

144 22.9 20.7 31.1

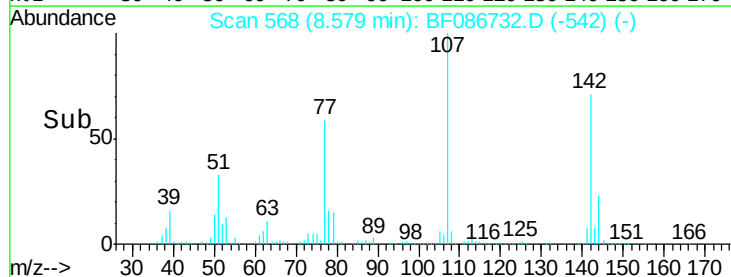
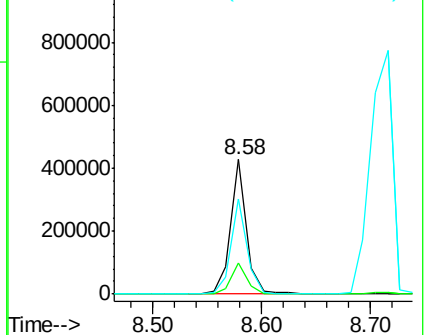
142 70.4 63.2 94.8

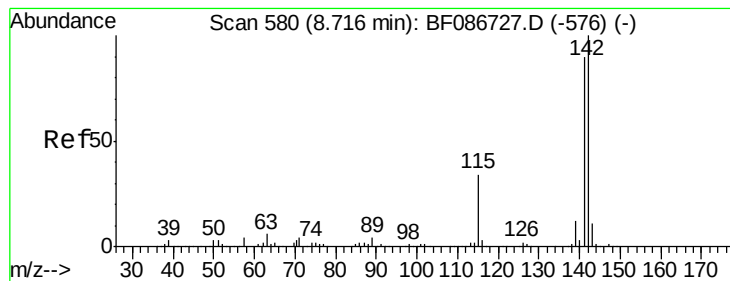


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 52.79 ng

RT: 8.72 min Scan# 580

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Instrument :

BNA_F

ClientSampled :

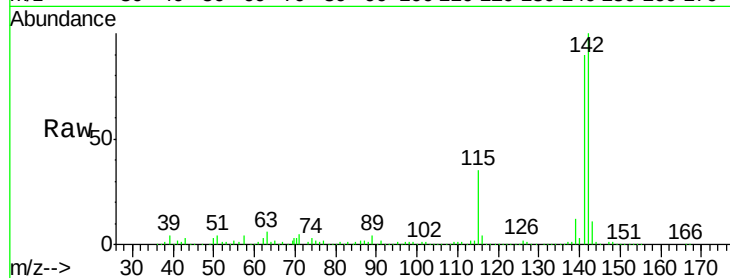
Tot Ion:142 Resp: 1101016

Ion Ratio Lower Upper

142 100

141 89.9 71.0 106.6

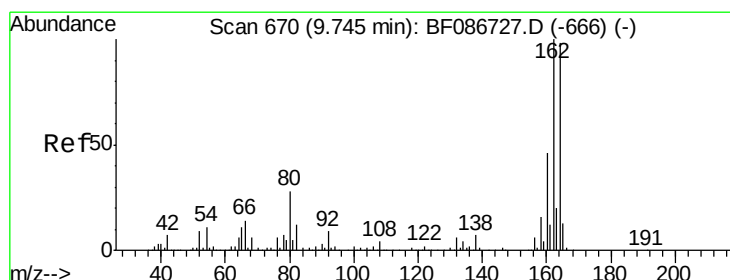
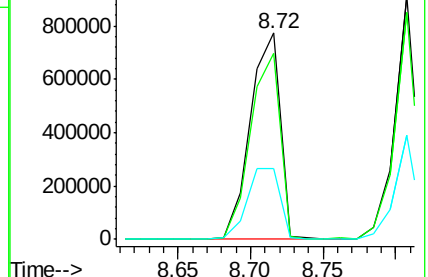
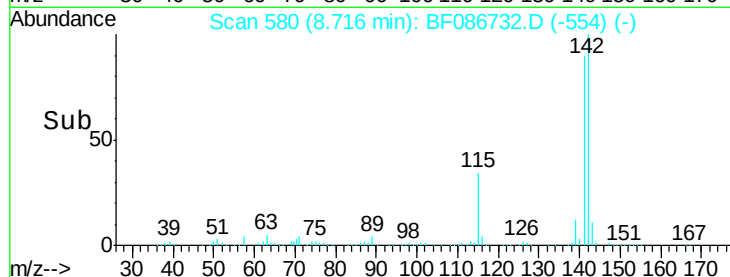
115 34.5 26.6 39.8



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: 40.00 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

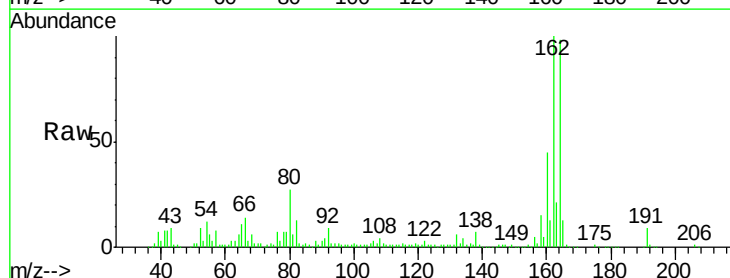
Tgt Ion:164 Resp: 308728

Ion Ratio Lower Upper

164 100

162 102.5 82.8 124.2

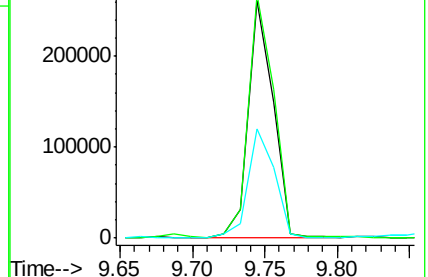
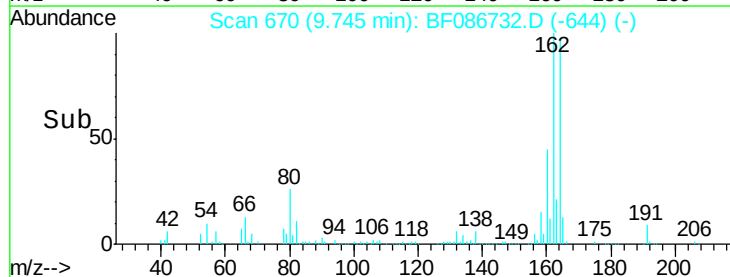
160 46.0 36.9 55.3

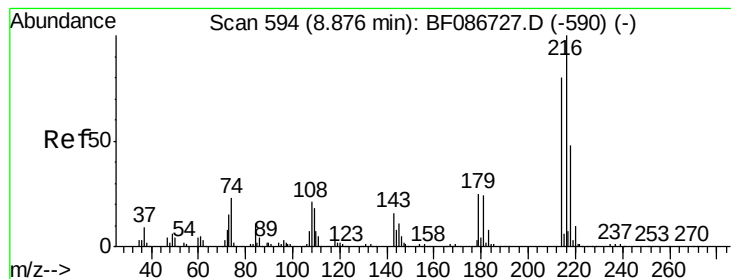


Abundance Ion 164.00 (163.70 to 164.70): E

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: 48.13 ng

RT: 8.88 min Scan# 594

Delta R.T. -0.00 min

Lab File: BF086732.D

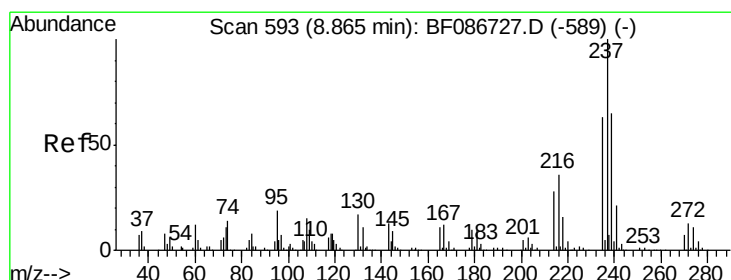
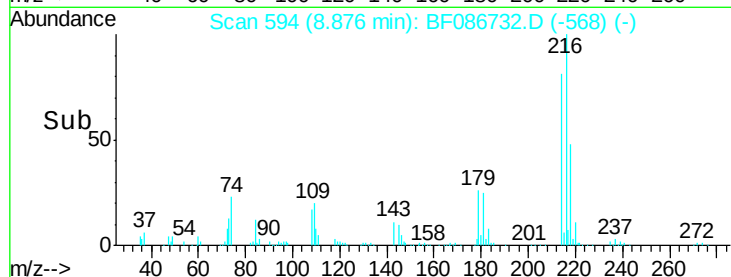
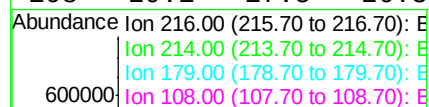
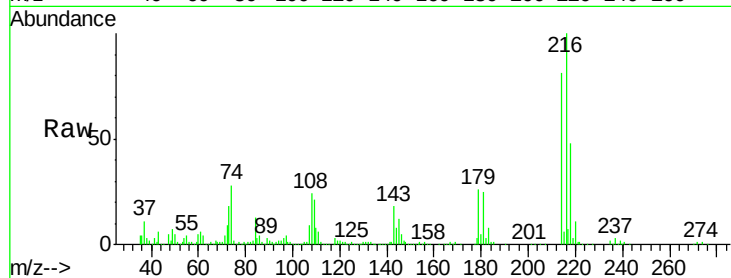
Acq: 6 May 2016 19:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	216	Resp:	430101
Ion Ratio		Lower	Upper
216	100		
214	80.1	62.6	93.8
179	25.2	18.2	27.4
108	29.1	17.5	26.3#



#40

Hexachlorocyclopentadiene

Concen: 128.44 ng

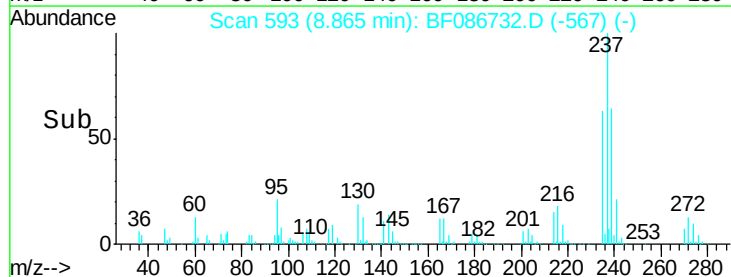
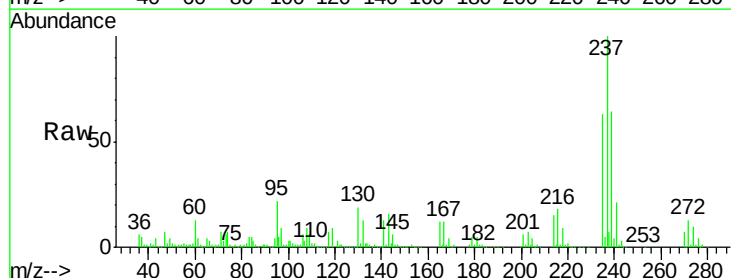
RT: 8.86 min Scan# 593

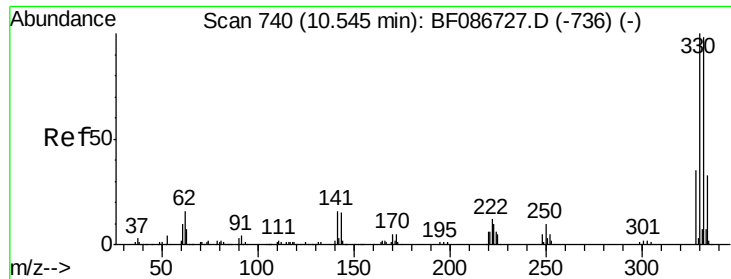
Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Tgt Ion:	237	Resp:	545612
Ion Ratio		Lower	Upper
237	100		
235	63.1	47.2	87.2
272	13.1	0.0	31.1

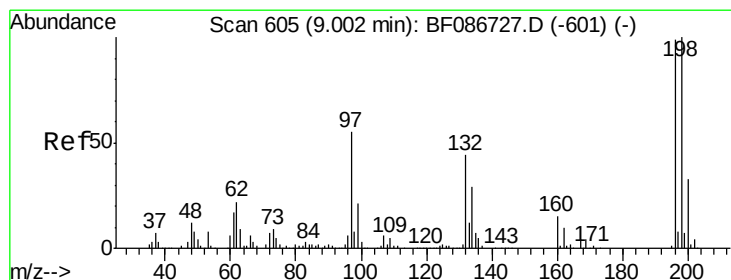
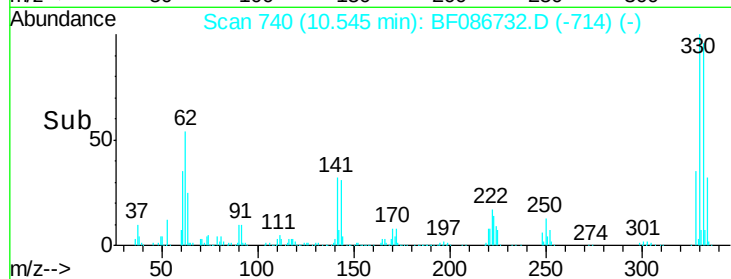
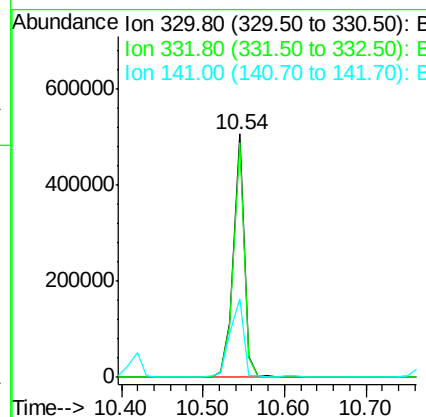
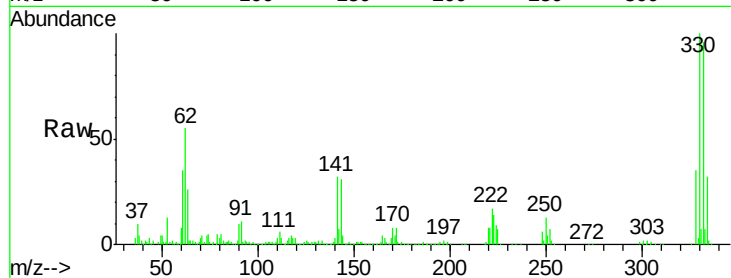




#41
 2,4,6-Tribromophenol
 Concen: 155.89 ng
 RT: 10.54 min Scan# 740
 Delta R.T. -0.00 min
 Lab File: BF086732.D
 Acq: 6 May 2016 19:06

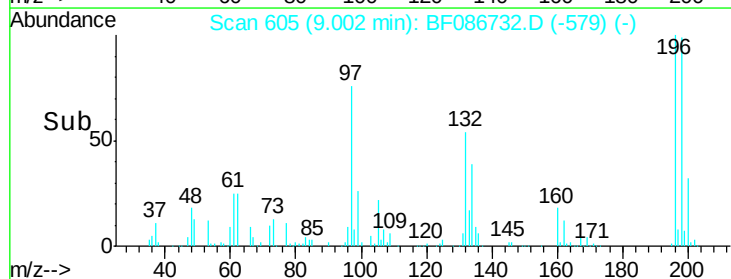
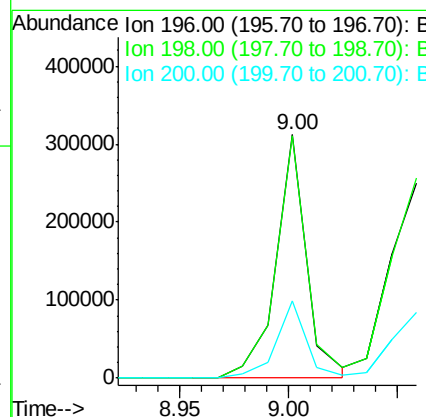
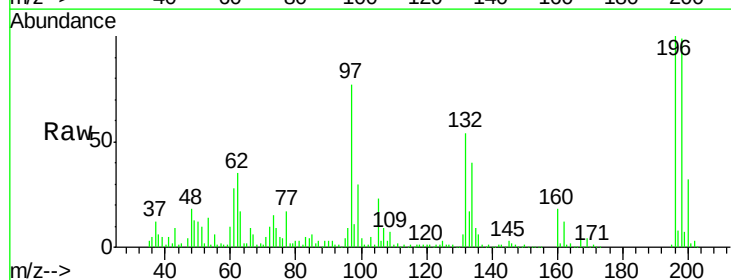
Instrument :
 BNA_F
 ClientSampleId :

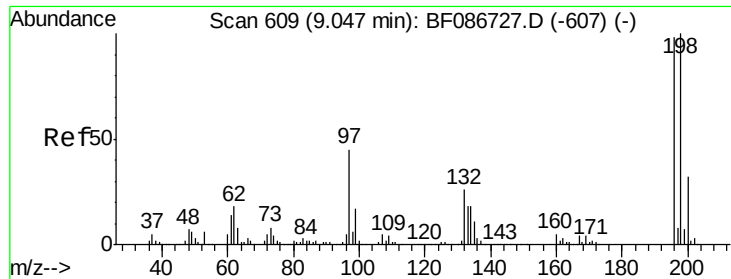
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	79.0	118.4
141	39.0	31.2	46.8



#42
 2,4,6-Trichlorophenol
 Concen: 54.45 ng
 RT: 9.00 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: BF086732.D
 Acq: 6 May 2016 19:06

Tgt Ion	Ratio	Lower	Upper
196	100		
198	99.3	74.7	112.1
200	31.9	23.8	35.6

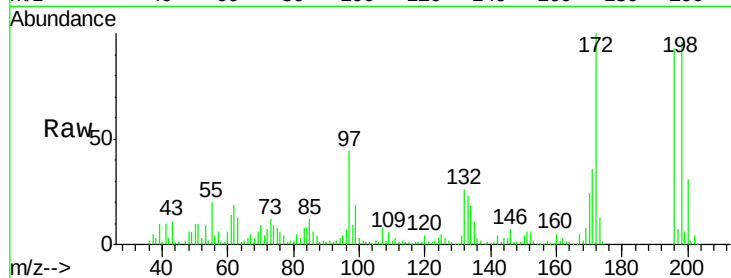




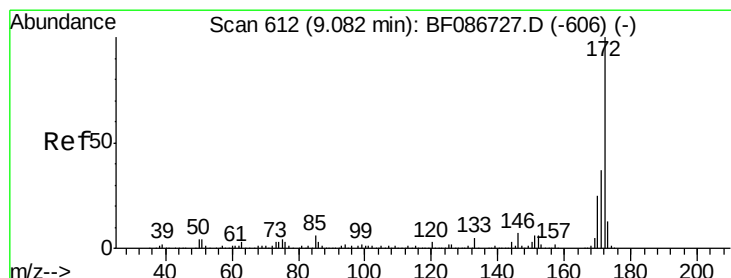
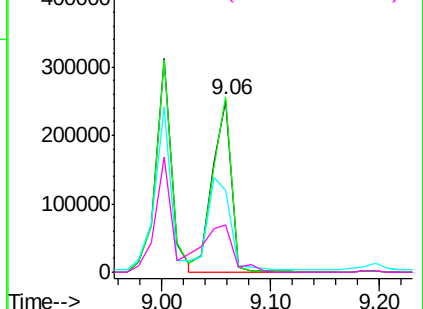
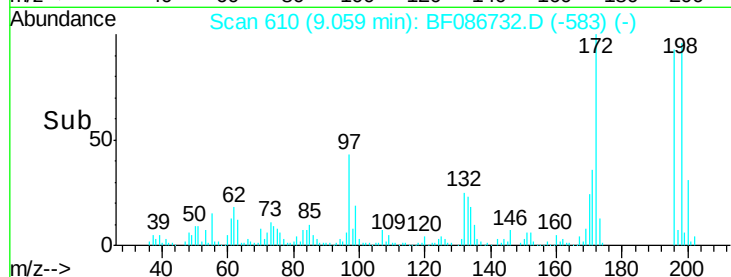
#43
2,4,5-Trichlorophenol
Concen: 51.68 ng
RT: 9.06 min Scan# 610
Delta R.T. 0.01 min
Lab File: BF086732.D
Acq: 6 May 2016 19:06

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
196	100		
198	102.6	77.5	116.3
97	47.5	34.8	52.2
132	27.7	23.0	34.4

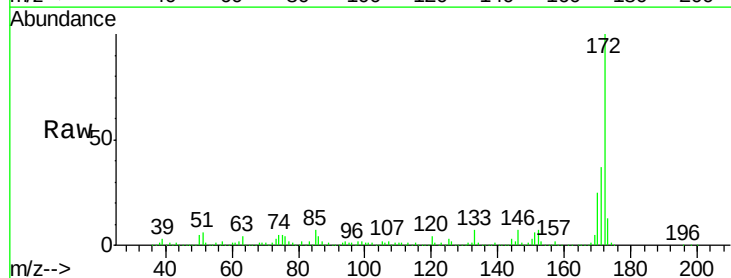


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BF0
Ion 132.00 (131.70 to 132.70): E

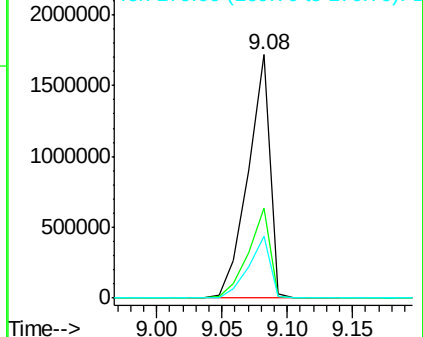
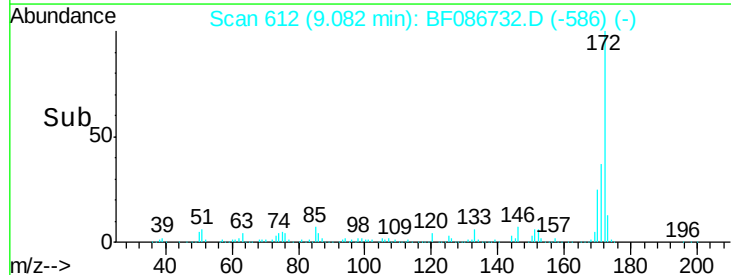


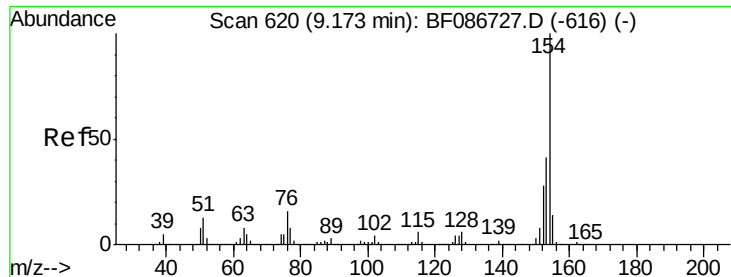
#44
2-Fluorobiphenyl
Concen: 107.47 ng
RT: 9.08 min Scan# 612
Delta R.T. -0.00 min
Lab File: BF086732.D
Acq: 6 May 2016 19:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.0	43.6
170	25.3	19.8	29.8



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 48.14 ng

RT: 9.17 min Scan# 620

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

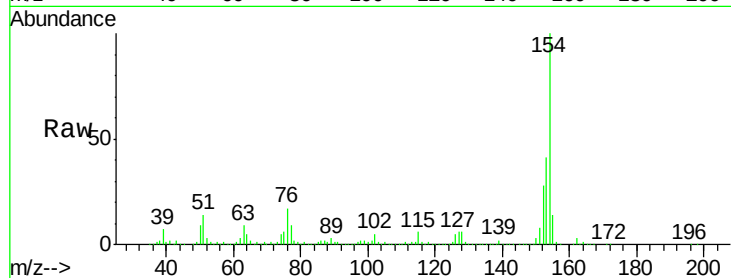
Instrument :

BNA_F

ClientSampleId :

Tot Ion:154 Resp: 1215168

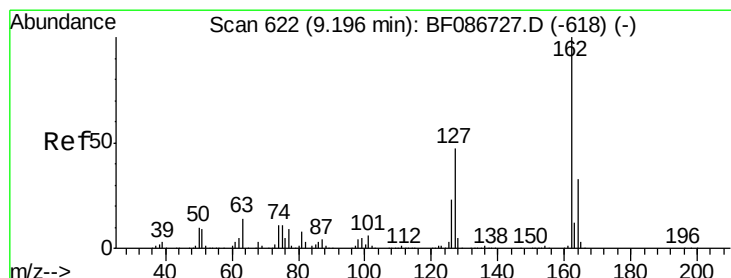
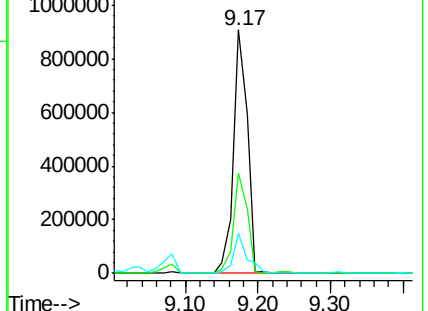
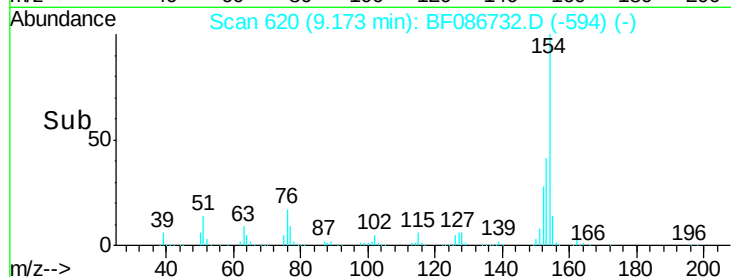
Ion	Ratio	Lower	Upper
154	100		
153	41.2	20.3	60.3
76	16.6	0.0	30.2



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: 46.89 ng

RT: 9.20 min Scan# 622

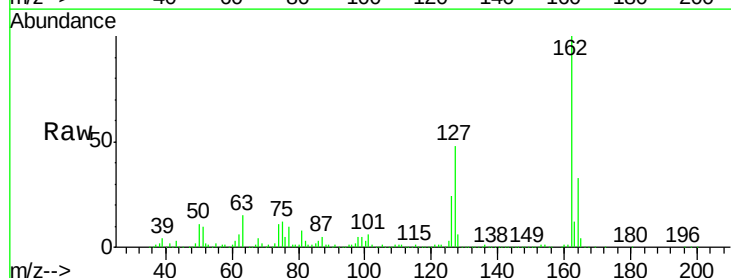
Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Tgt Ion:162 Resp: 913387

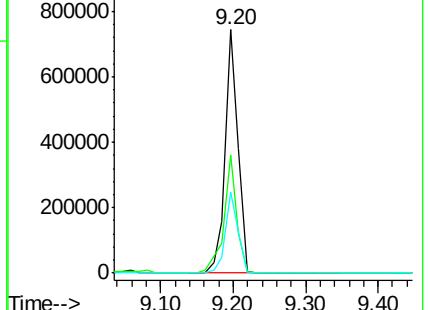
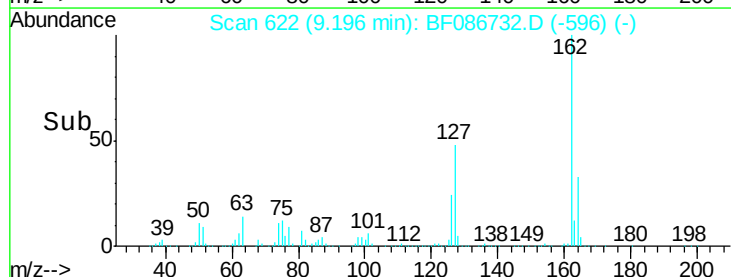
Ion	Ratio	Lower	Upper
162	100		
127	48.3	31.8	47.6#
164	33.0	27.0	40.6

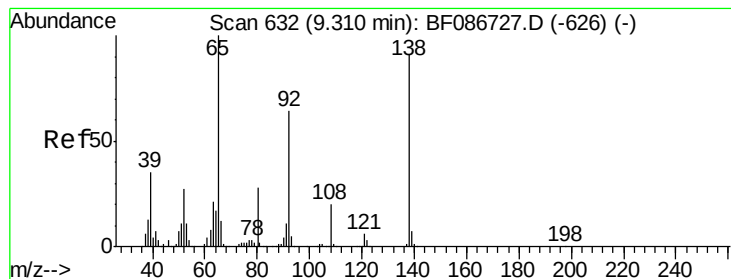


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

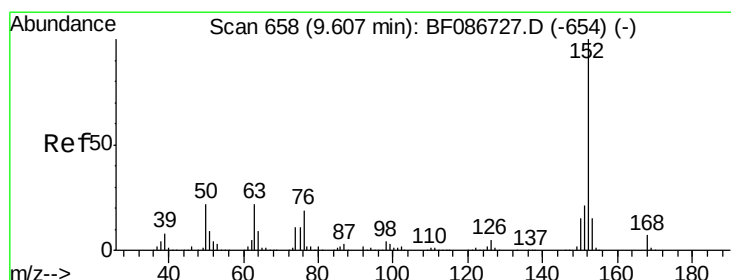
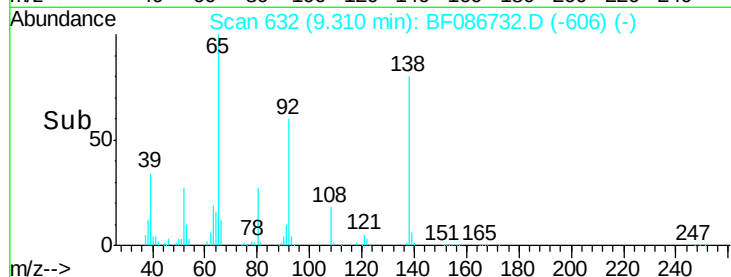
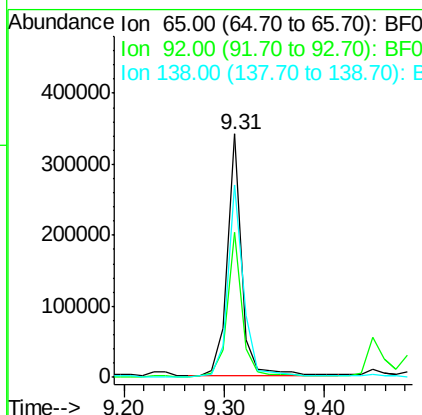
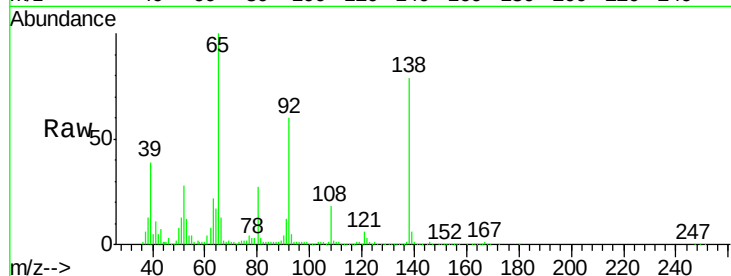




#47
2-Nitroaniline
Concen: 49.13 ng
RT: 9.31 min Scan# 632
Delta R.T. -0.00 min
Lab File: BF086732.D
Acq: 6 May 2016 19:06

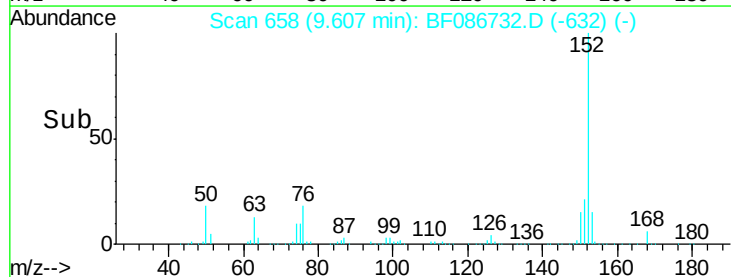
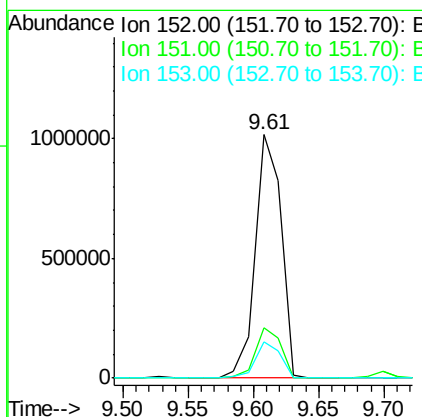
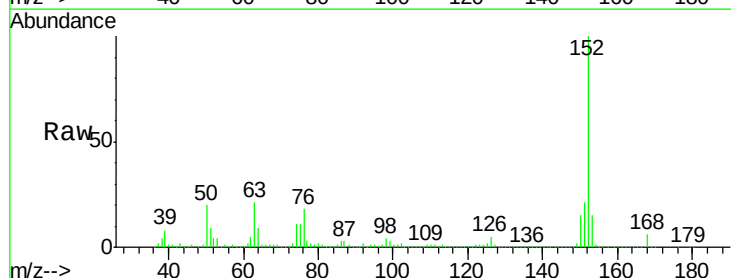
Instrument :
BNA_F
ClientSampleId :

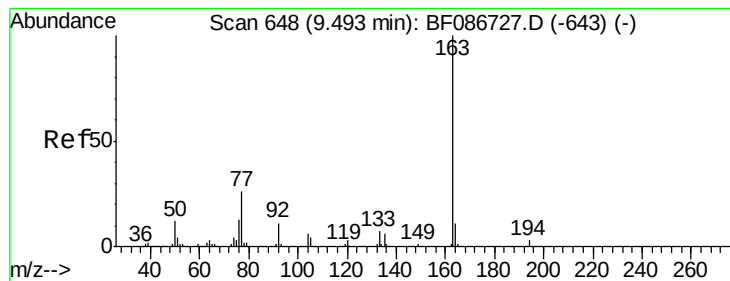
Tot Ion: 65 Resp: 340200
Ion Ratio Lower Upper
65 100
92 59.7 57.4 86.2
138 79.0 90.1 135.1#



#48
Acenaphthylene
Concen: 48.77 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.00 min
Lab File: BF086732.D
Acq: 6 May 2016 19:06

Tgt Ion: 152 Resp: 1410160
Ion Ratio Lower Upper
152 100
151 20.7 16.8 25.2
153 14.7 10.9 16.3





#49

Dimethylphthalate

Concen: 46.80 ng

RT: 9.49 min Scan# 648

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Instrument :

BNA_F

ClientSampleId :

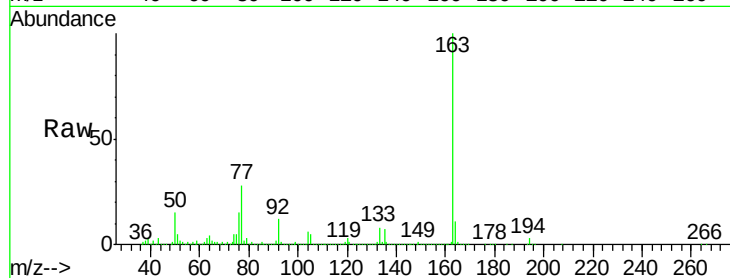
Tot Ion:163 Resp: 1077115

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

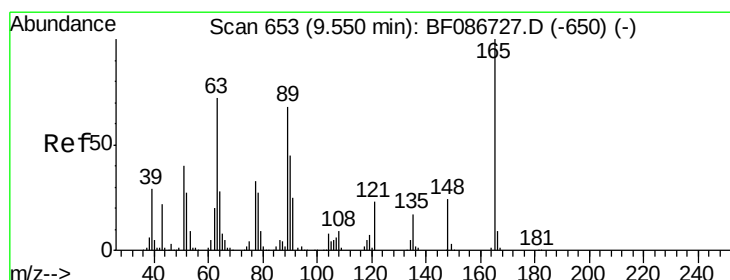
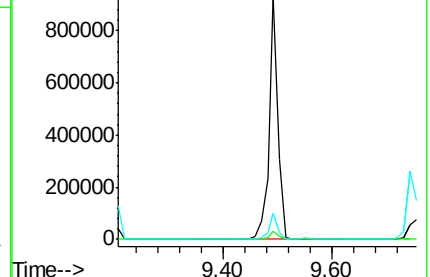
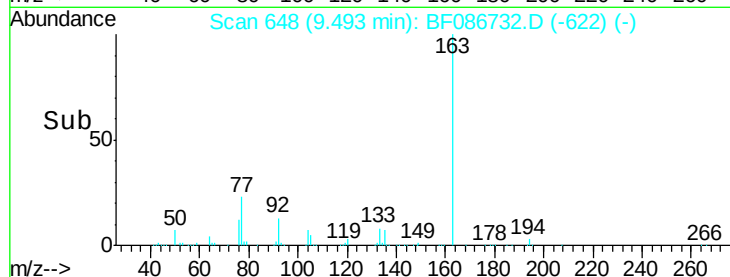
164 10.8 8.2 12.4



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: 45.60 ng

RT: 9.55 min Scan# 653

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

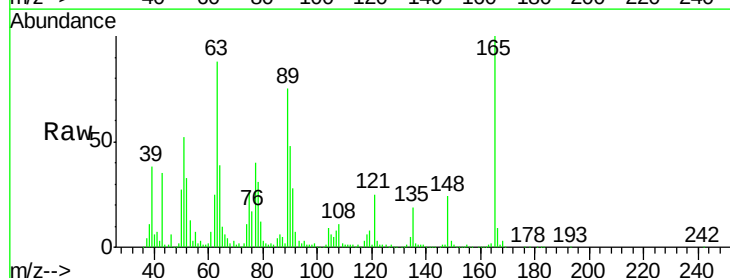
Tgt Ion:165 Resp: 225214

Ion Ratio Lower Upper

165 100

63 87.8 51.8 77.8#

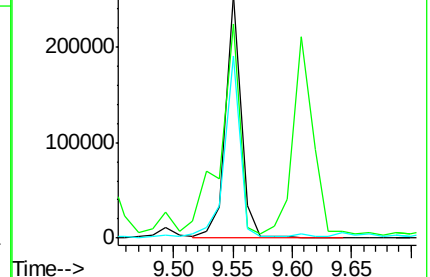
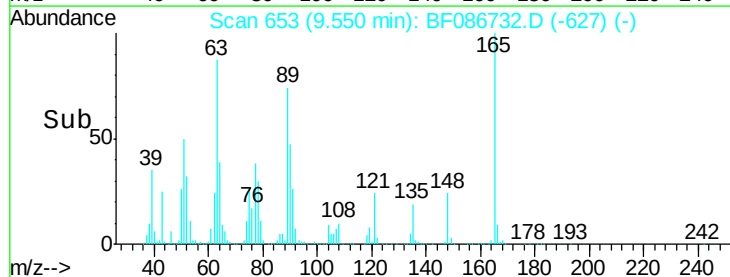
89 74.7 50.7 76.1

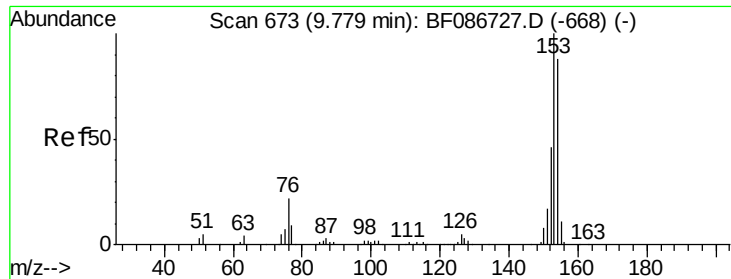


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 47.02 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Instrument :

BNA_F

ClientSampleId :

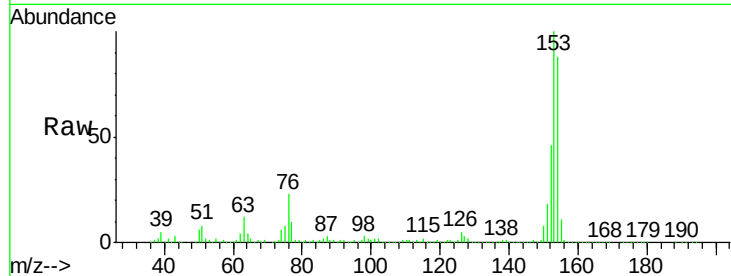
Tot Ion:154 Resp: 896750

Ion Ratio Lower Upper

154 100

153 113.1 89.8 134.6

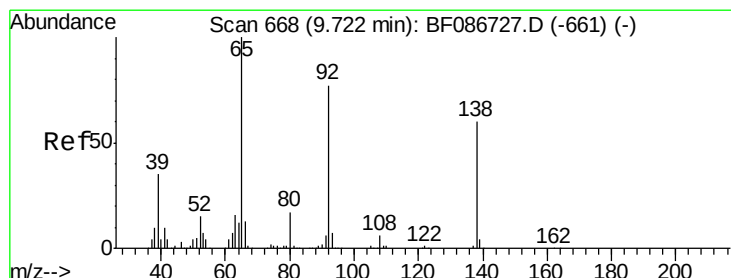
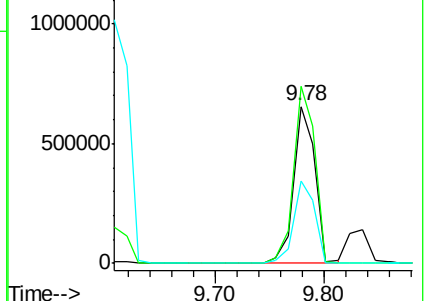
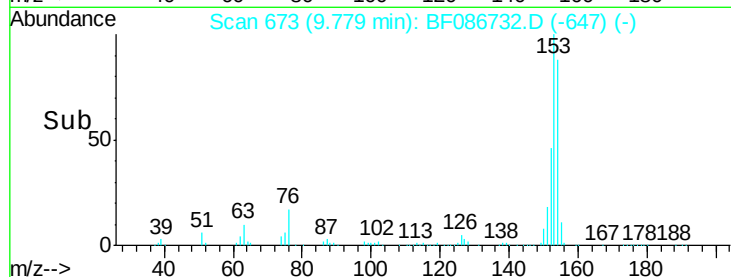
152 52.5 43.4 65.0



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: 22.93 ng

RT: 9.73 min Scan# 669

Delta R.T. 0.01 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

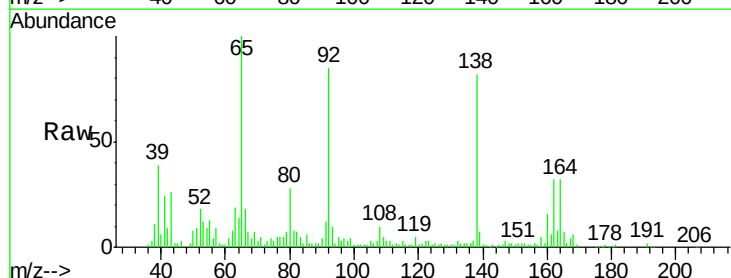
Tgt Ion:138 Resp: 128778

Ion Ratio Lower Upper

138 100

108 11.6 7.8 11.6#

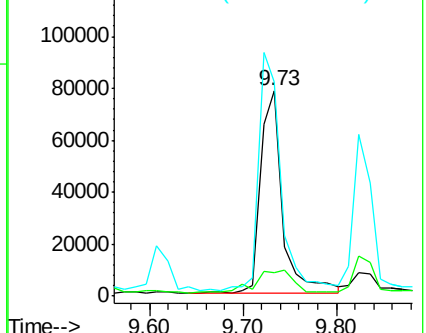
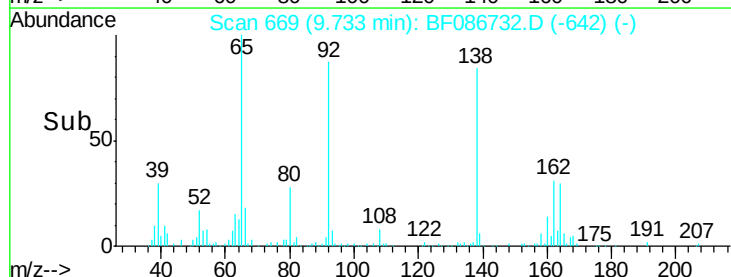
92 103.7 87.8 131.8

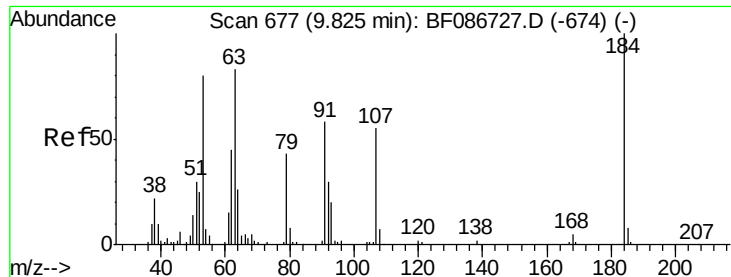


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

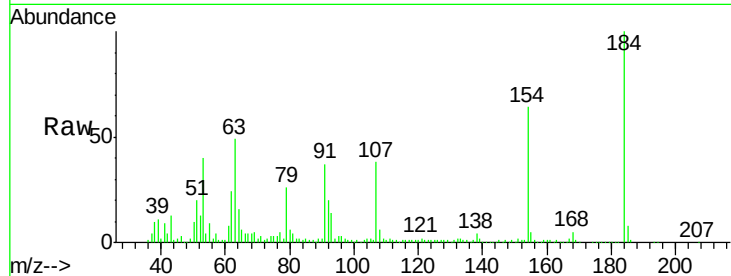




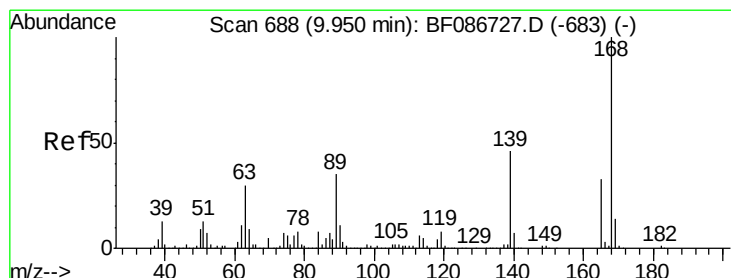
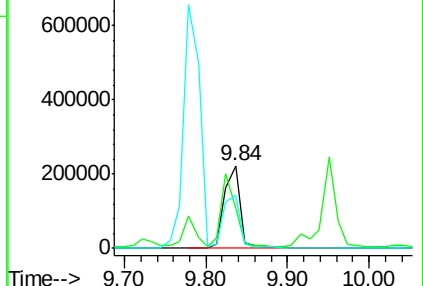
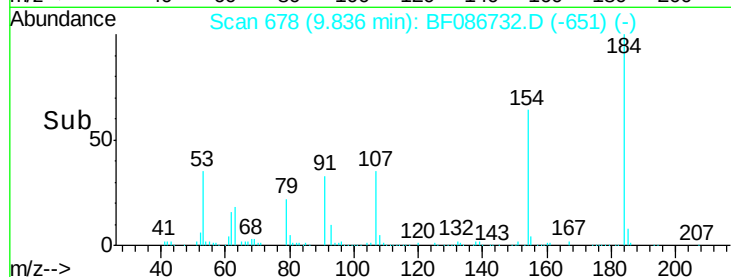
#53
2,4-Dinitrophenol
Concen: 115.38 ng
RT: 9.84 min Scan# 678
Delta R.T. 0.01 min
Lab File: BF086732.D
Acq: 6 May 2016 19:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:184 Resp: 300419
Ion Ratio Lower Upper
184 100
63 49.2 55.8 83.8#
154 64.1 62.4 93.6

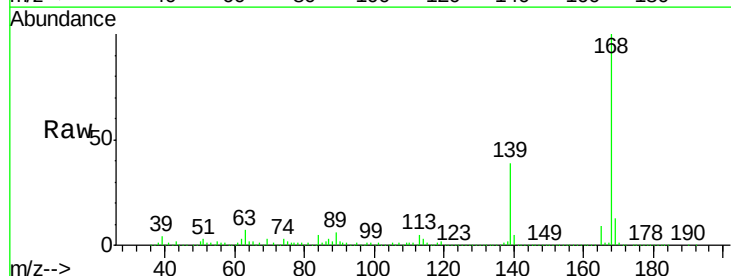


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

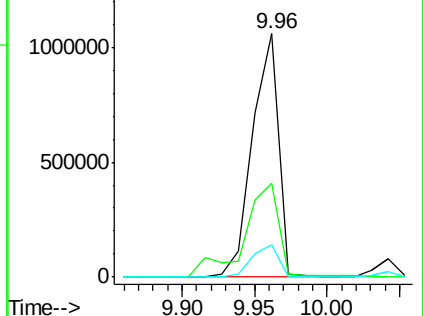
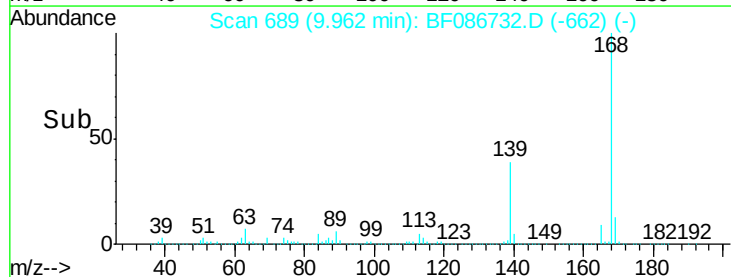


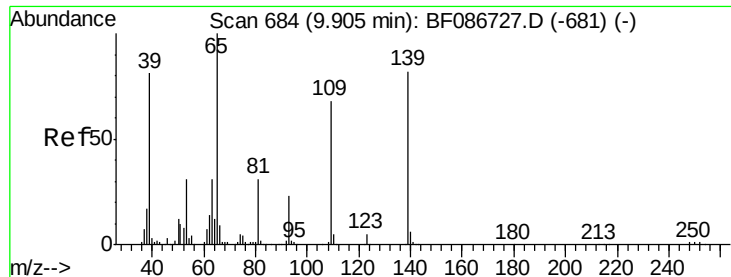
#54
Dibenzofuran
Concen: 55.67 ng
RT: 9.96 min Scan# 689
Delta R.T. 0.01 min
Lab File: BF086732.D
Acq: 6 May 2016 19:06

Tgt Ion:168 Resp: 1316215
Ion Ratio Lower Upper
168 100
139 38.8 31.4 47.0
169 13.2 10.7 16.1



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





#55

4-Nitrophenol

Concen: 208.09 ng

RT: 9.96 min Scan# 689

Delta R.T. 0.06 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Instrument :

BNA_F

ClientSampleId :

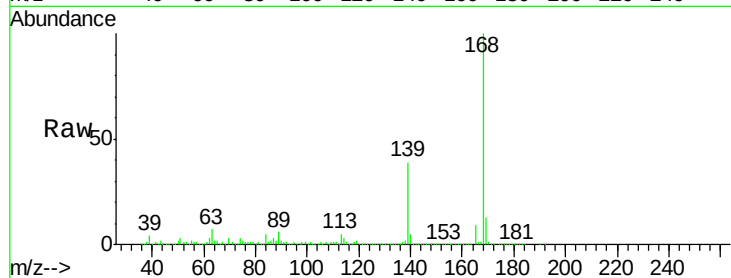
Tot Ion:139 Resp: 681202

Ion Ratio Lower Upper

139 100

109 2.8 36.9 76.9#

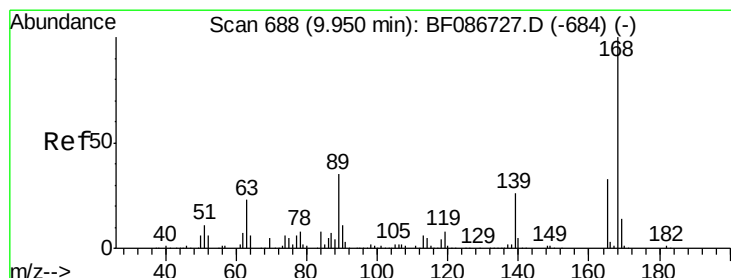
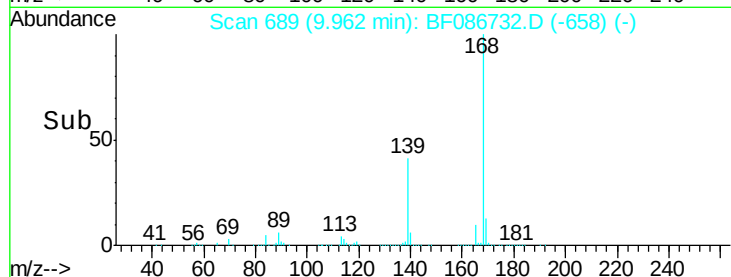
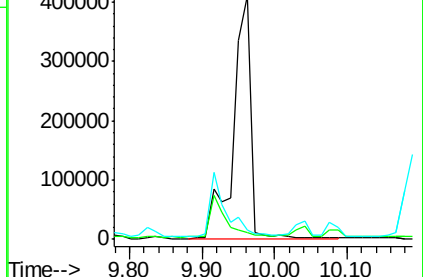
65 4.1 64.0 104.0#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 43.91 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Tgt Ion:165 Resp: 268746

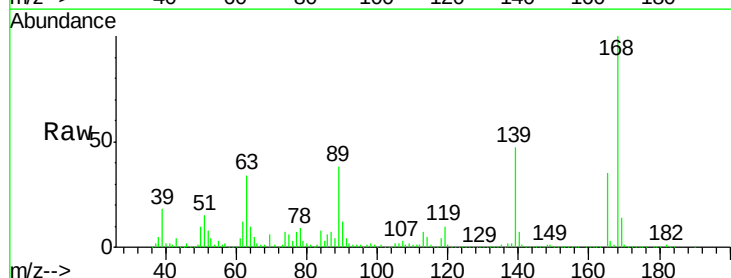
Ion Ratio Lower Upper

165 100

63 98.2 44.3 66.5#

89 108.9 70.0 105.0#

182 2.3 1.8 2.6

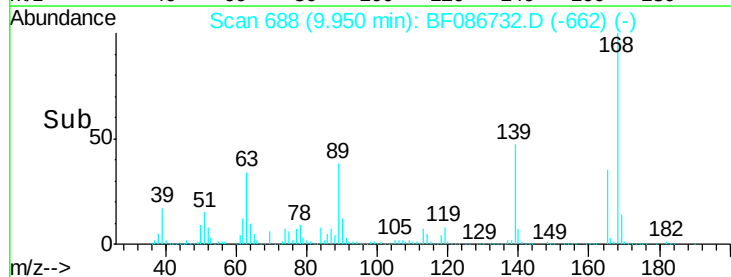
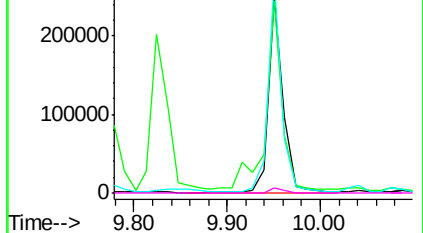


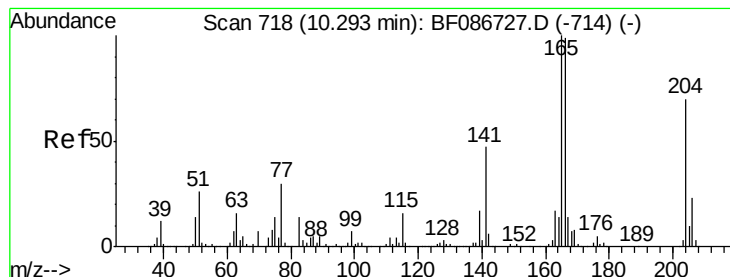
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 45.72 ng

RT: 10.29 min Scan# 718

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Instrument :

BNA_F

ClientSampled :

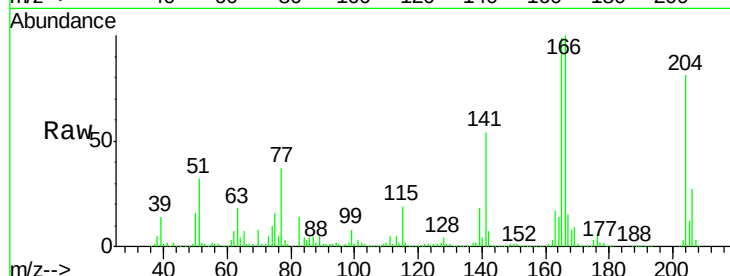
Tot Ion:166 Resp: 875912

Ion Ratio Lower Upper

166 100

165 99.0 79.0 118.6

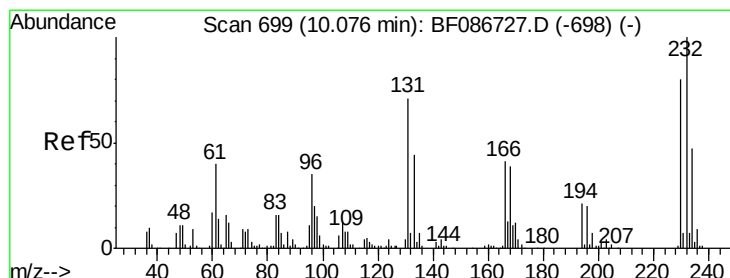
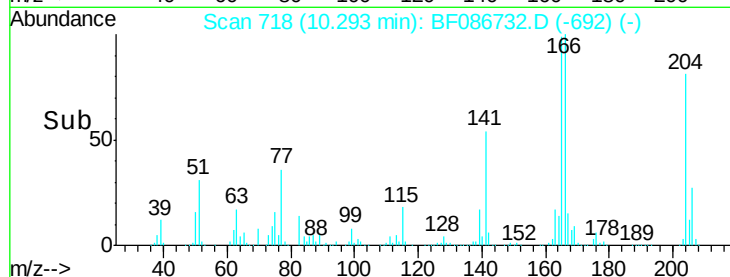
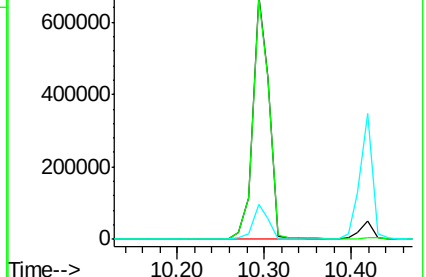
167 14.6 10.6 15.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 61.75 ng

RT: 10.09 min Scan# 700

Delta R.T. 0.01 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Tgt Ion:232 Resp: 269226

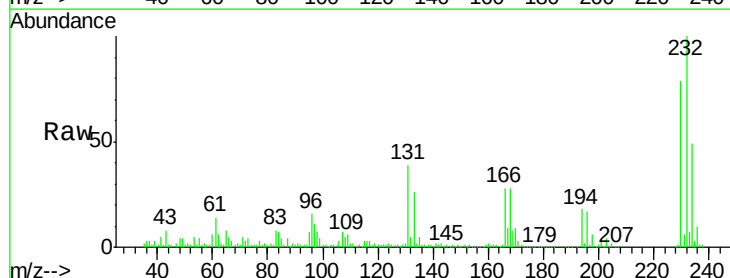
Ion Ratio Lower Upper

232 100

131 52.1 41.9 62.9

130 2.6 2.2 3.4

166 33.5 26.8 40.2

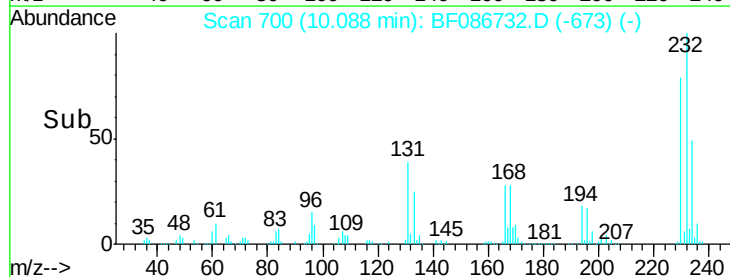
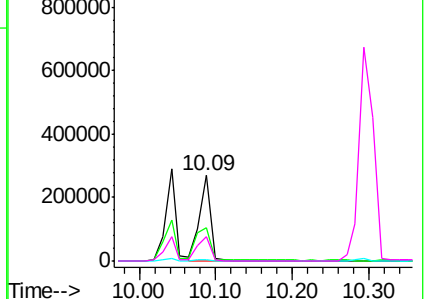


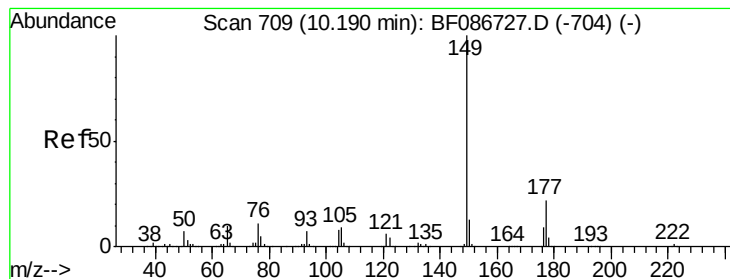
Abundance Ion 232.00 (231.70 to 232.70): E

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: 54.52 ng

RT: 10.19 min Scan# 709

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Instrument :

BNA_F

ClientSampleId :

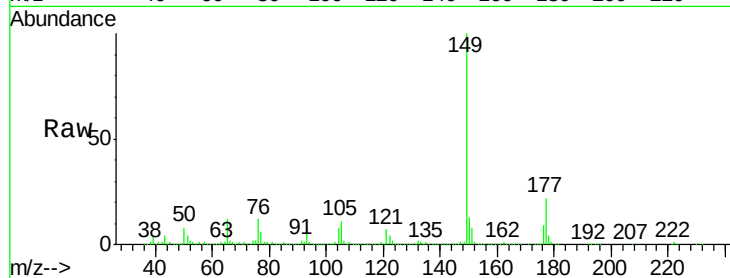
Tot Ion:149 Resp: 1187673

Ion Ratio Lower Upper

149 100

177 22.2 16.6 24.8

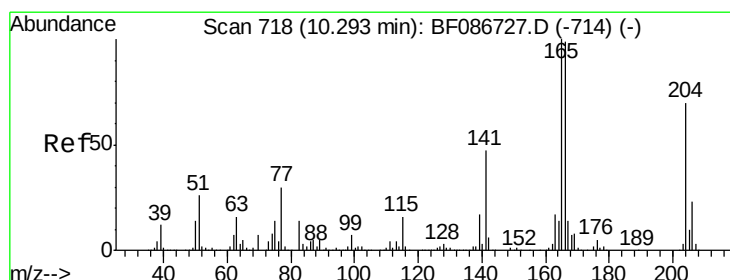
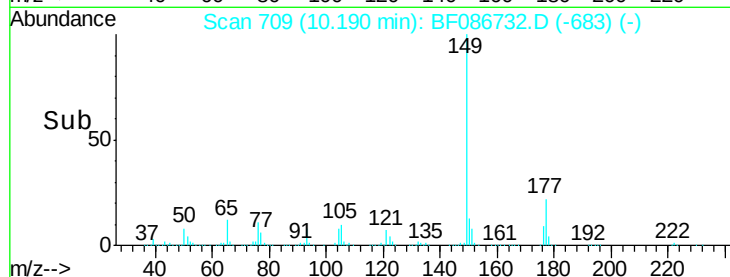
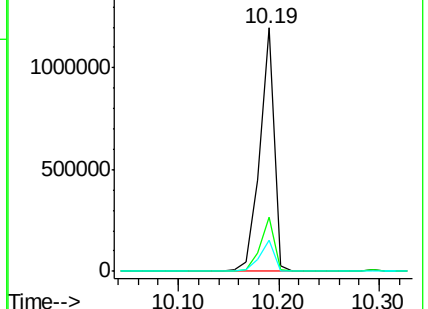
150 12.7 10.0 15.0



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: 51.97 ng

RT: 10.29 min Scan# 718

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

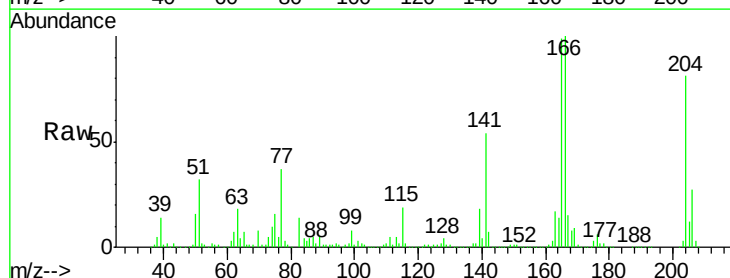
Tgt Ion:204 Resp: 473405

Ion Ratio Lower Upper

204 100

206 33.1 25.4 38.0

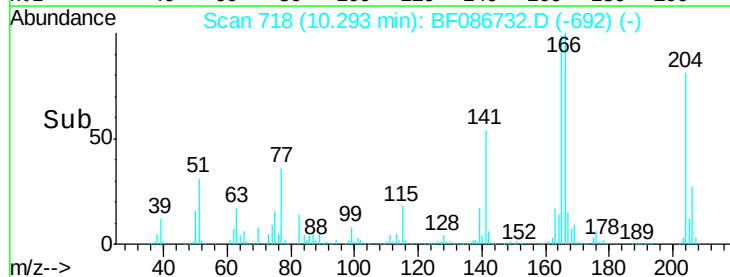
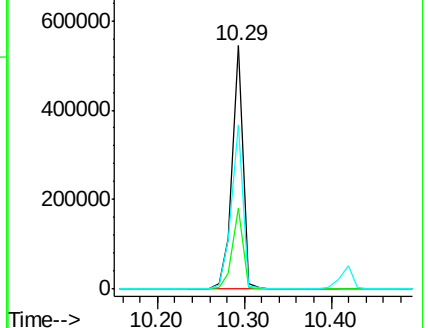
141 67.3 61.6 92.4

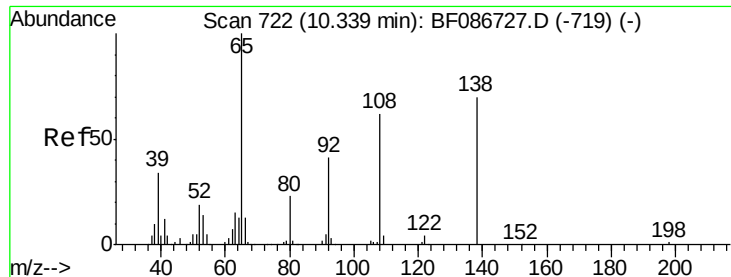


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

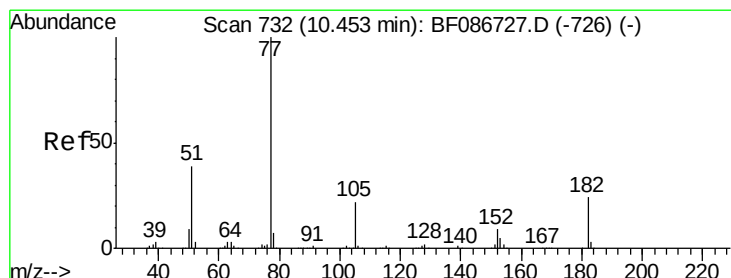
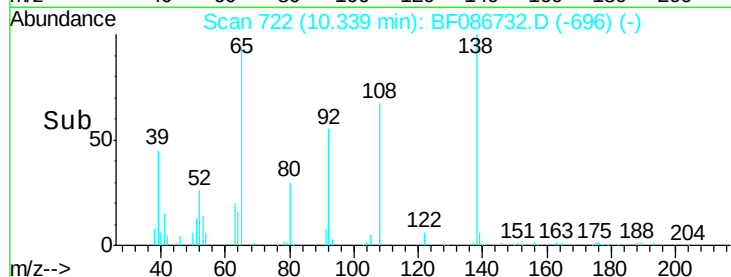
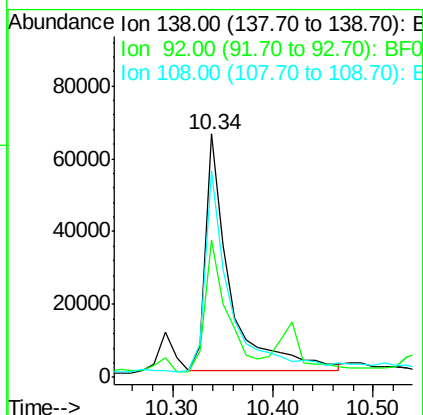
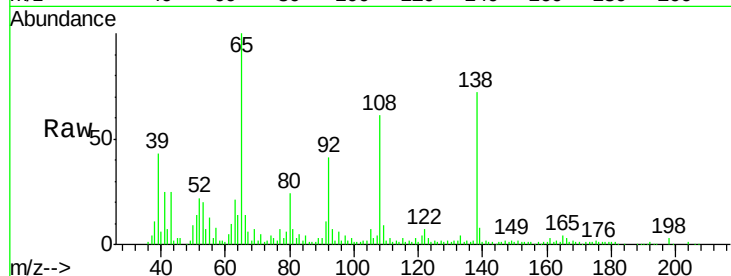




#61
4-Nitroaniline
Concen: 20.04 ng
RT: 10.34 min Scan# 722
Delta R.T. -0.00 min
Lab File: BF086732.D
Acq: 6 May 2016 19:06

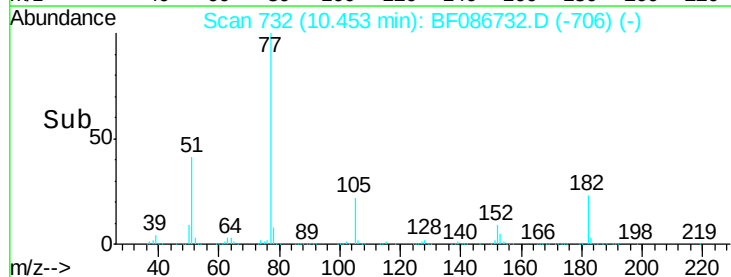
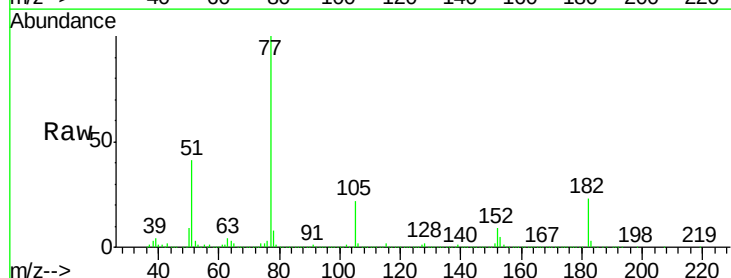
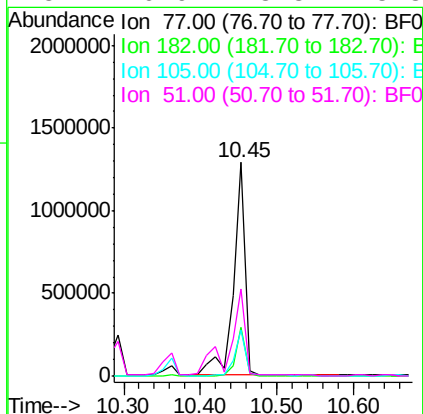
Instrument :
BNA_F
ClientSampled :

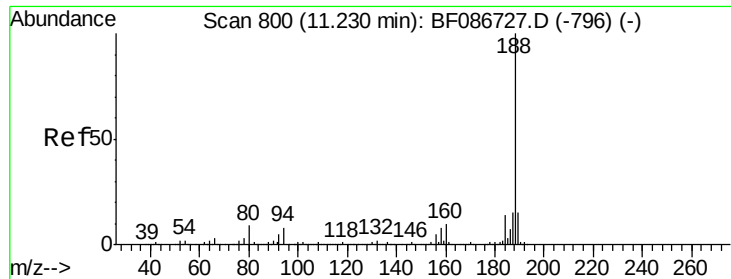
Tot Ion:138 Resp: 108135
Ion Ratio Lower Upper
138 100
92 56.6 24.7 64.7
108 85.1 37.4 77.4#



#62
Azobenzene
Concen: 58.28 ng
RT: 10.45 min Scan# 732
Delta R.T. -0.00 min
Lab File: BF086732.D
Acq: 6 May 2016 19:06

Tgt Ion: 77 Resp: 1406922
Ion Ratio Lower Upper
77 100
182 22.9 0.0 38.8
105 21.9 3.2 43.2
51 40.9 8.8 48.8





#63

Phenanthrene-d10

Concen: 40.00 ng

RT: 11.23 min Scan# 800

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Instrument :

BNA_F

ClientSampleId :

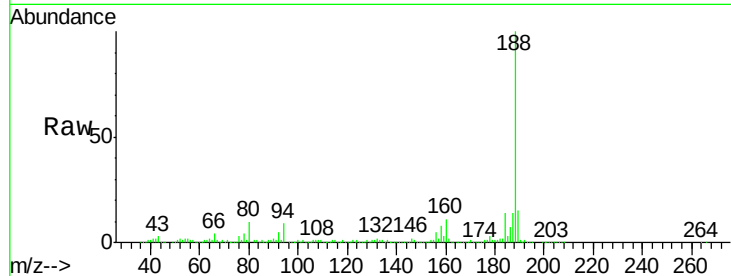
Tot Ion:188 Resp: 550779

Ion Ratio Lower Upper

188 100

94 9.1 6.8 10.2

80 9.6 7.1 10.7



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

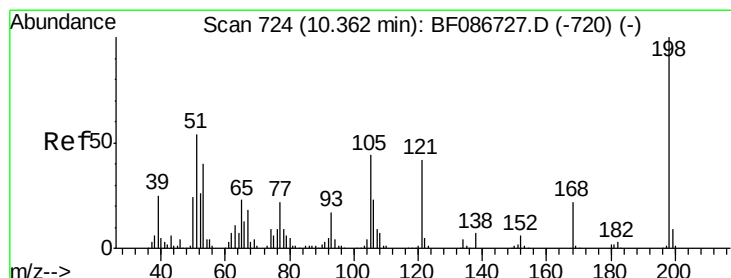
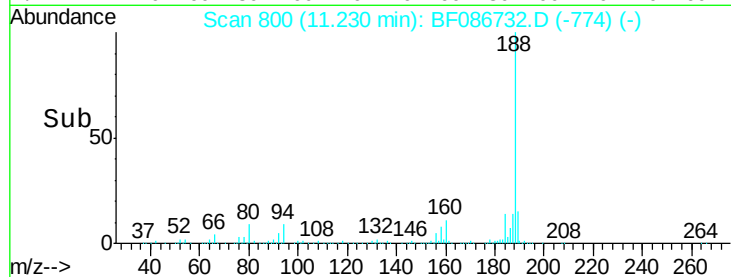
Ion 80.00 (79.70 to 80.70): BF0

11.23

400000

200000

Time--> 11.15 11.20 11.25



#64

4,6-Dinitro-2-methylphenol

Concen: 64.61 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

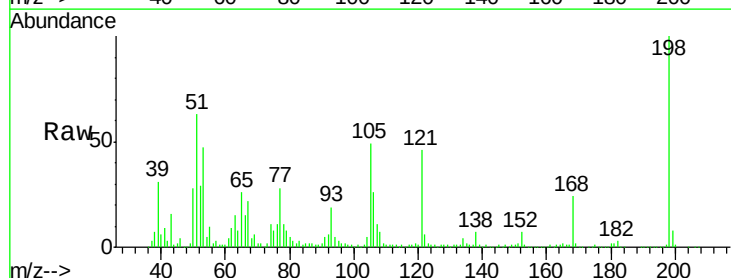
Tgt Ion:198 Resp: 201370

Ion Ratio Lower Upper

198 100

51 63.0 20.5 60.5#

105 48.6 24.5 64.5



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

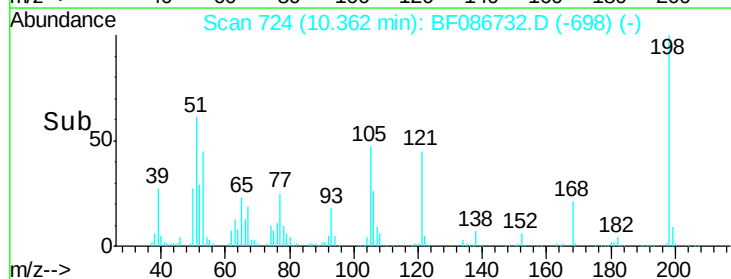
Ion 105.00 (104.70 to 105.70): E

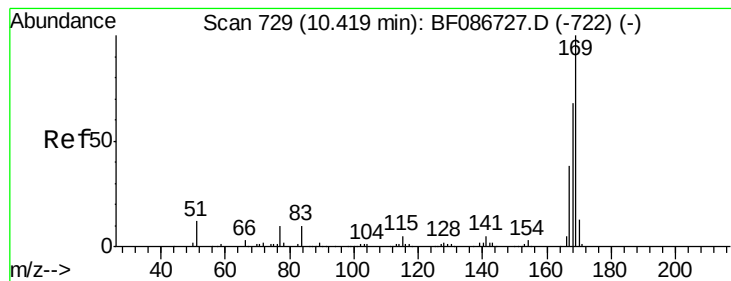
10.36

400000

200000

Time--> 10.30 10.40 10.50

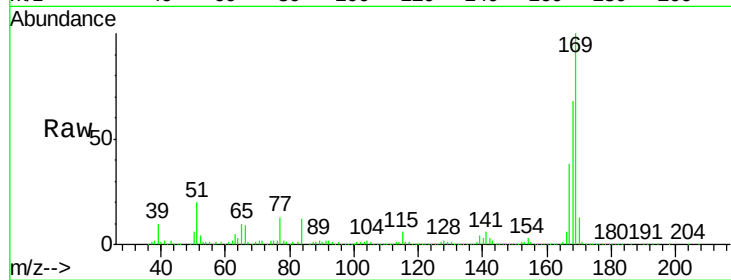




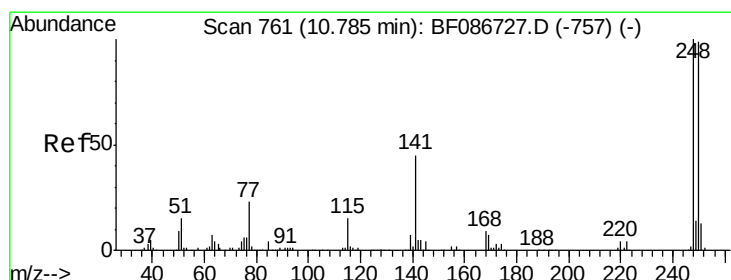
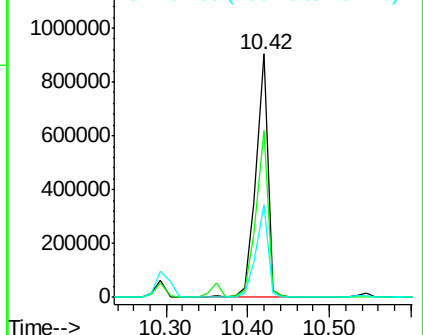
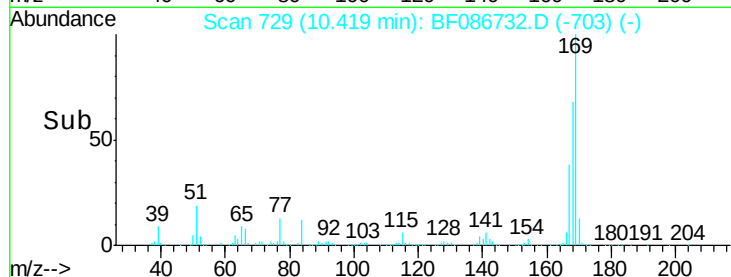
#65
 n-Nitrosodiphenylamine
 Concen: 52.40 ng
 RT: 10.42 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: BF086732.D
 Acq: 6 May 2016 19:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:169 Resp: 916392
 Ion Ratio Lower Upper
 169 100
 168 68.3 53.8 80.6
 167 38.3 29.5 44.3

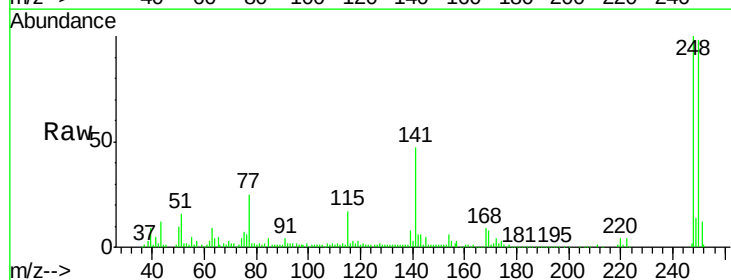


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

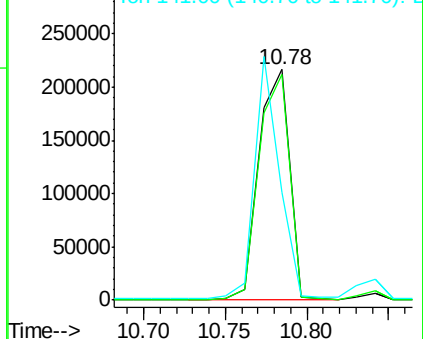
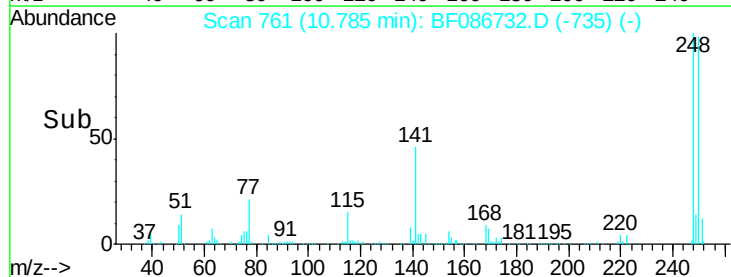


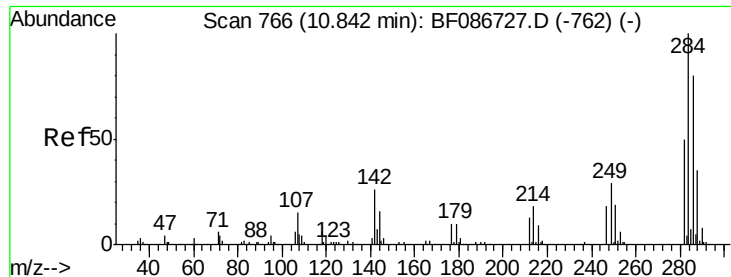
#66
 4-Bromophenyl-phenylether
 Concen: 51.72 ng
 RT: 10.78 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BF086732.D
 Acq: 6 May 2016 19:06

Tgt Ion:248 Resp: 283094
 Ion Ratio Lower Upper
 248 100
 250 98.1 78.6 117.8
 141 46.9 76.0 114.0#



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





#67

Hexachlorobenzene

Concen: 50.90 ng

RT: 10.84 min Scan# 766

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Instrument :

BNA_F

ClientSampled :

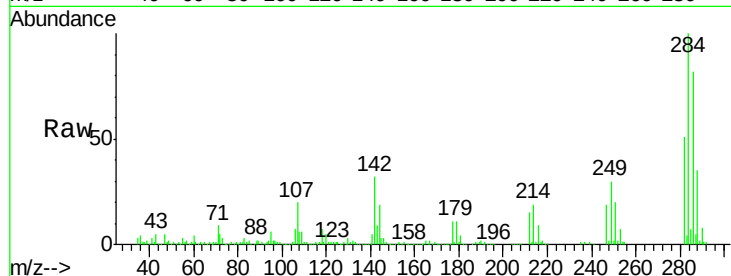
Tot Ion:284 Resp: 339758

Ion Ratio Lower Upper

284 100

142 31.6 16.7 25.1#

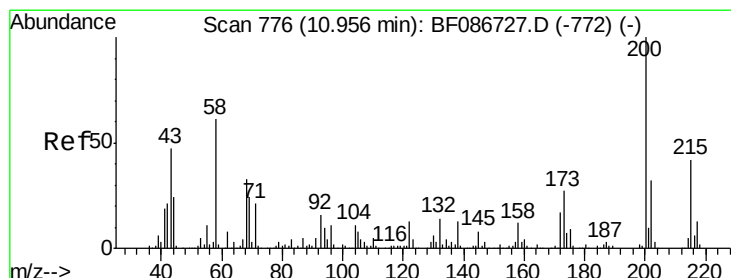
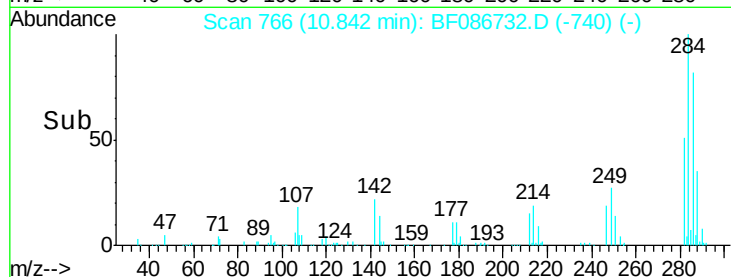
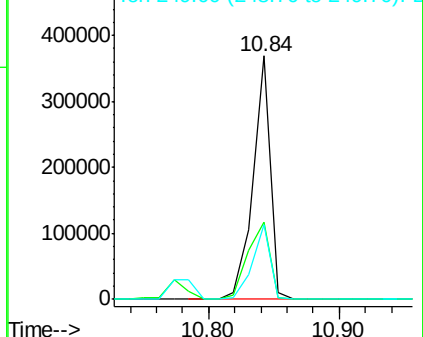
249 30.4 21.3 31.9



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: 53.04 ng

RT: 10.96 min Scan# 776

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

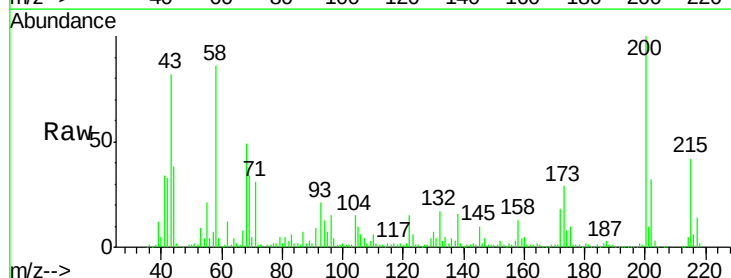
Tgt Ion:200 Resp: 284280

Ion Ratio Lower Upper

200 100

173 28.7 8.5 48.5

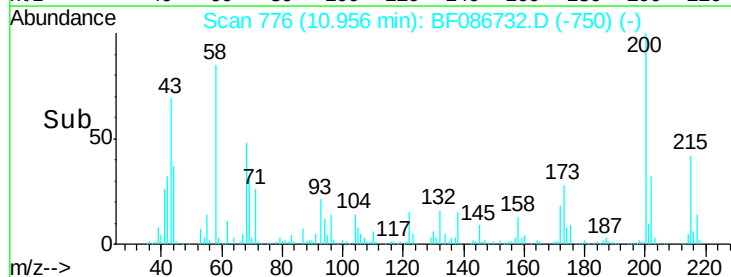
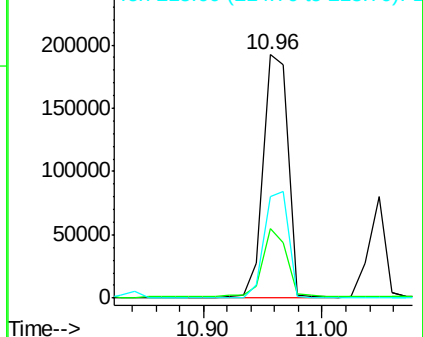
215 41.7 27.2 67.2

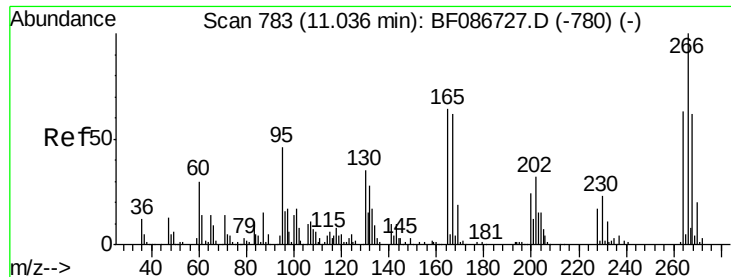


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

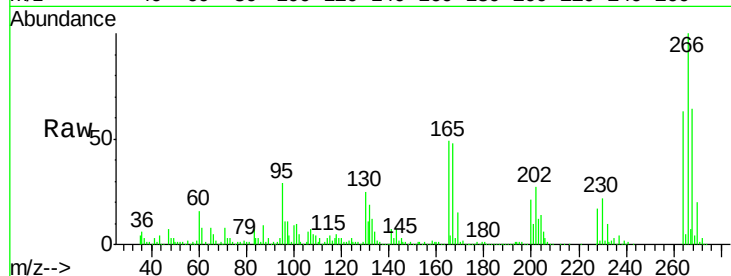




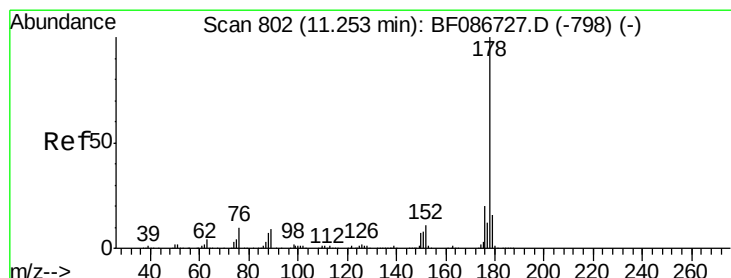
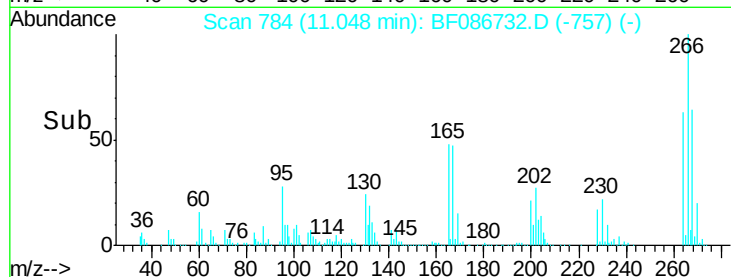
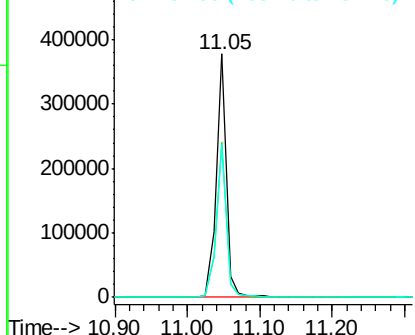
#69
 Pentachlorophenol
 Concen: 111.16 ng
 RT: 11.05 min Scan# 784
 Delta R.T. 0.01 min
 Lab File: BF086732.D
 Acq: 6 May 2016 19:06

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:266 Resp: 367983
 Ion Ratio Lower Upper
 266 100
 268 63.7 51.5 77.3
 264 62.9 52.9 79.3

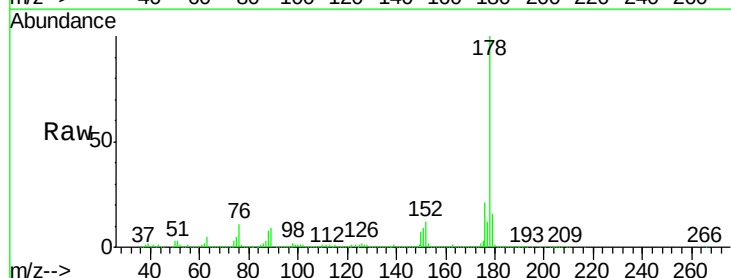


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

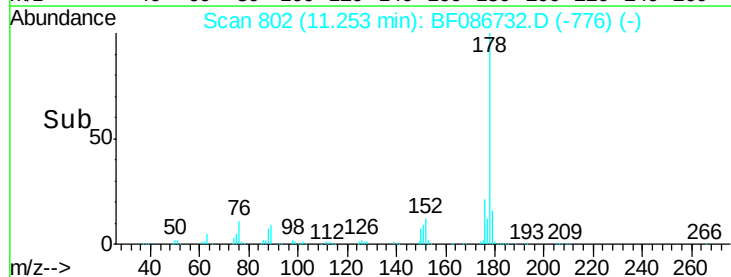
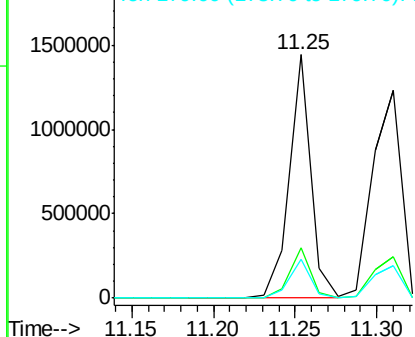


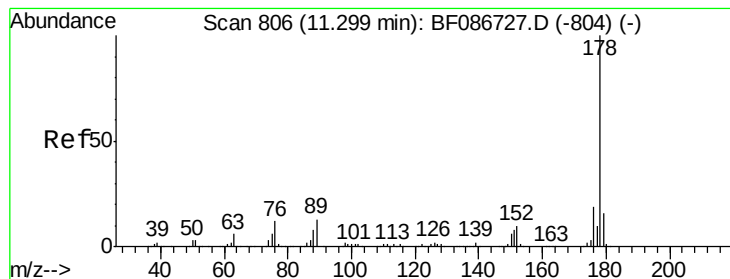
#70
 Phenanthrene
 Concen: 44.74 ng
 RT: 11.25 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: BF086732.D
 Acq: 6 May 2016 19:06

Tgt Ion:178 Resp: 1323473
 Ion Ratio Lower Upper
 178 100
 176 20.8 16.0 24.0
 179 15.9 12.6 18.8



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





#71

Anthracene

Concen: 49.37 ng

RT: 11.31 min Scan# 807

Delta R.T. 0.01 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Instrument :

BNA_F

ClientSampleId :

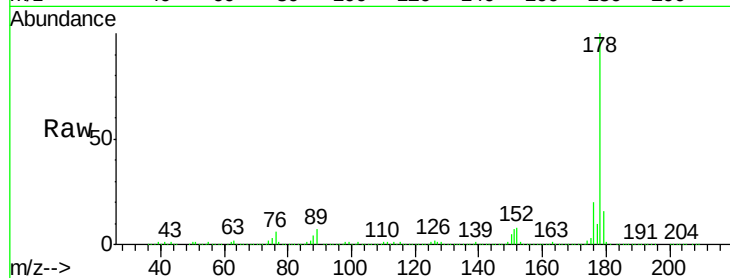
Tot Ion:178 Resp: 1529564

Ion Ratio Lower Upper

178 100

176 19.8 15.6 23.4

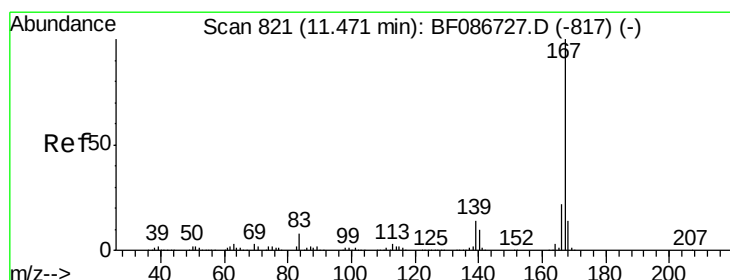
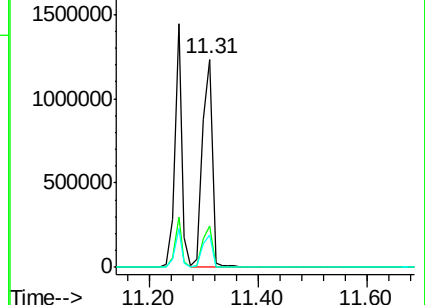
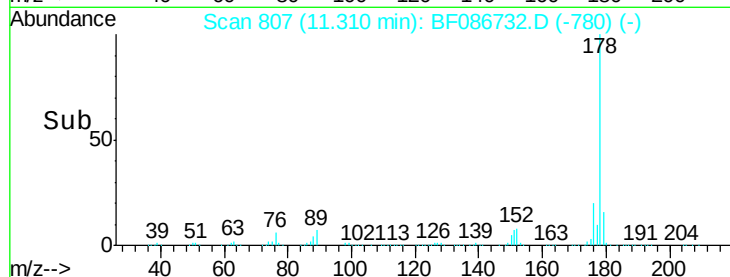
179 15.8 12.7 19.1



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: 47.38 ng

RT: 11.47 min Scan# 821

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

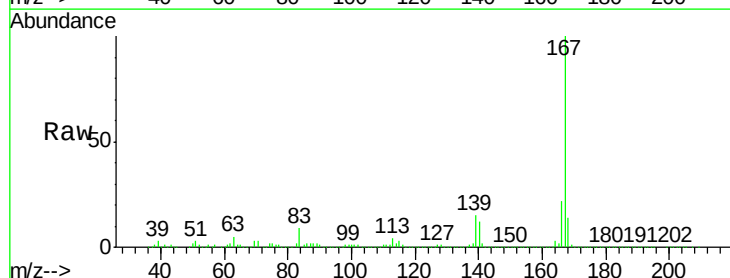
Tgt Ion:167 Resp: 1274659

Ion Ratio Lower Upper

167 100

166 22.3 17.7 26.5

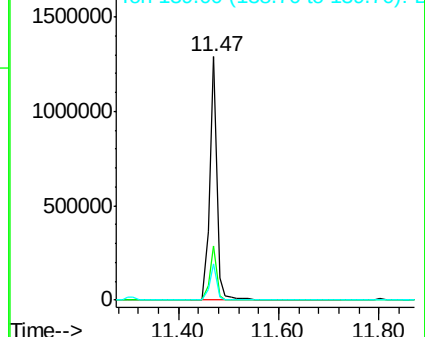
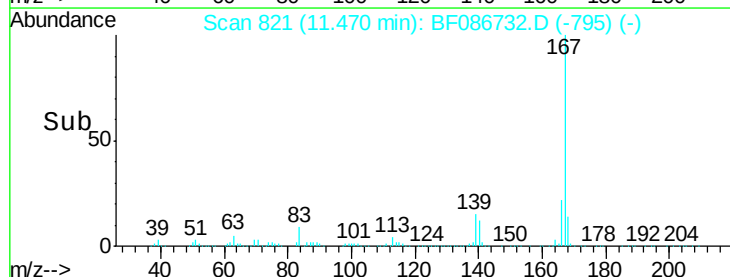
139 15.0 10.8 16.2

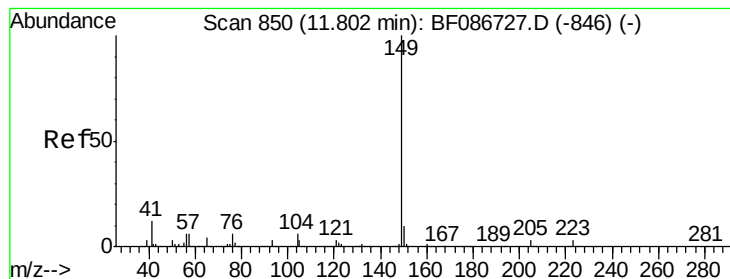


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 48.00 ng

RT: 11.80 min Scan# 850

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Instrument :

BNA_F

ClientSampleId :

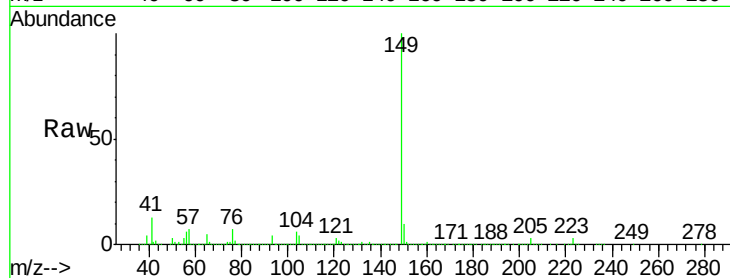
Tot Ion:149 Resp: 1533119

Ion Ratio Lower Upper

149 100

150 9.8 7.6 11.4

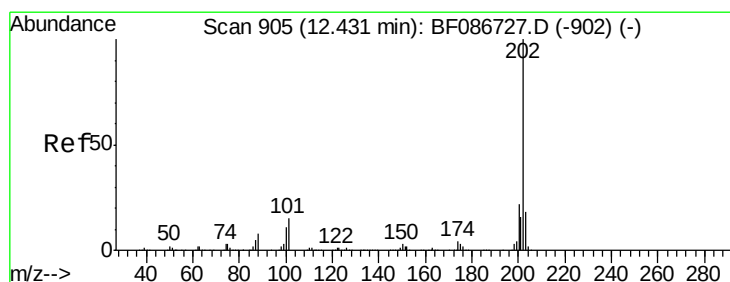
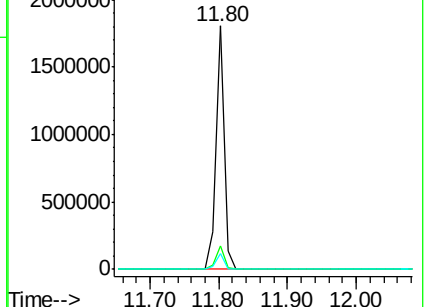
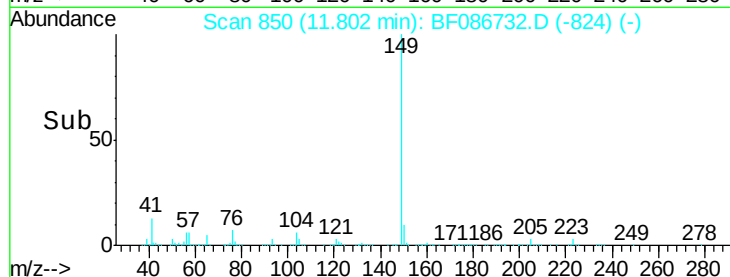
104 6.3 3.8 5.6#



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: 47.75 ng

RT: 12.43 min Scan# 905

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

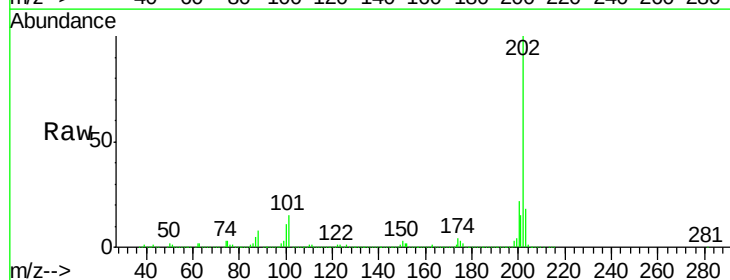
Tgt Ion:202 Resp: 1415678

Ion Ratio Lower Upper

202 100

101 15.0 0.0 35.4

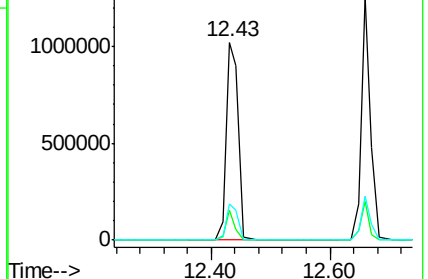
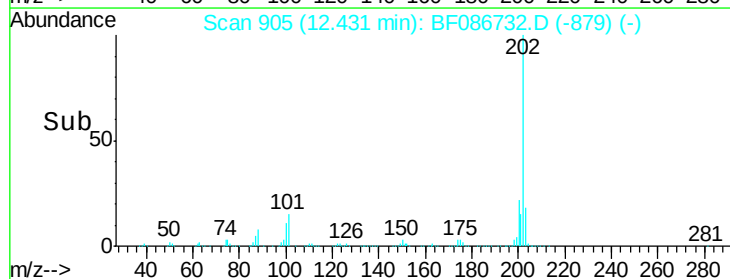
203 18.3 0.0 38.1

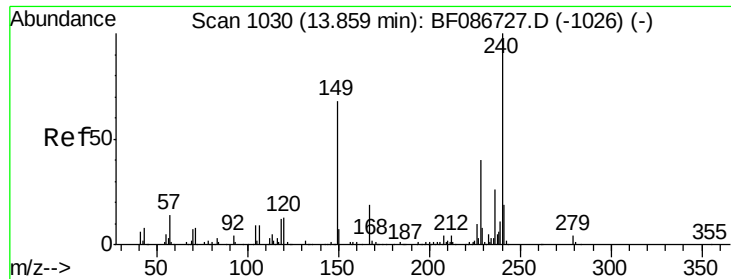


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

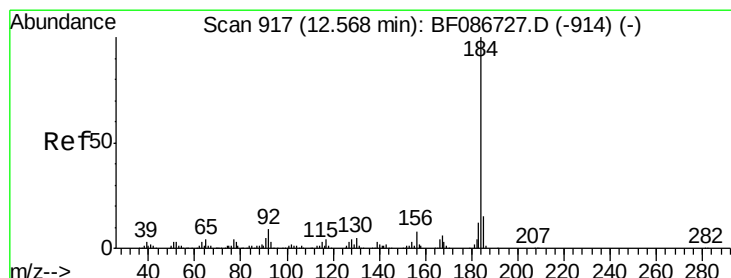
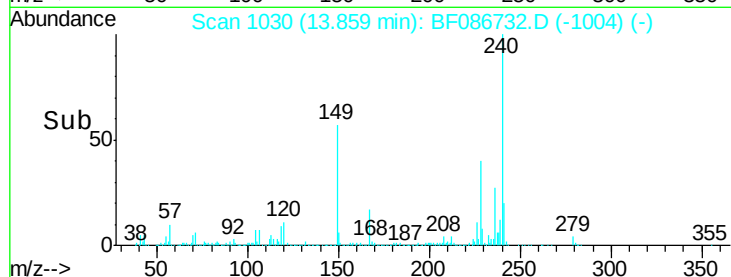
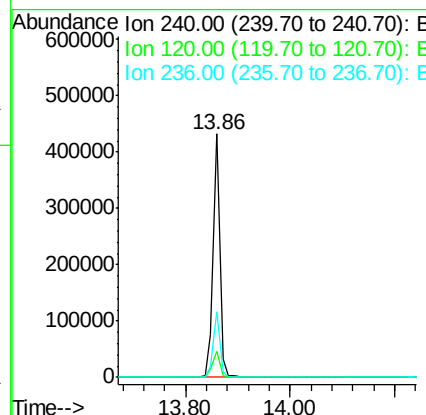
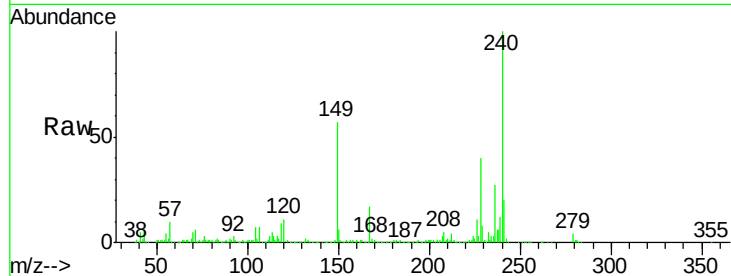




#75
Chrysene-d12
Concen: 40.00 ng
RT: 13.86 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BF086732.D
Acq: 6 May 2016 19:06

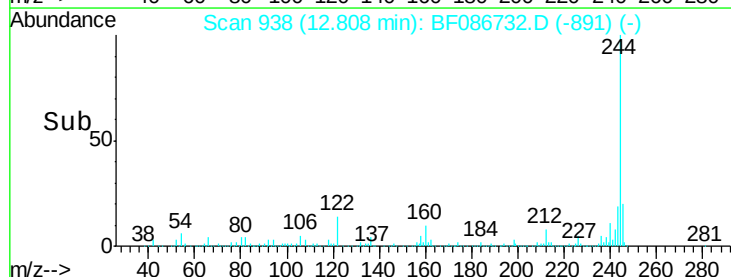
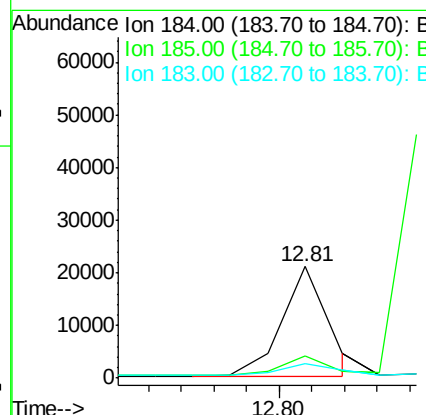
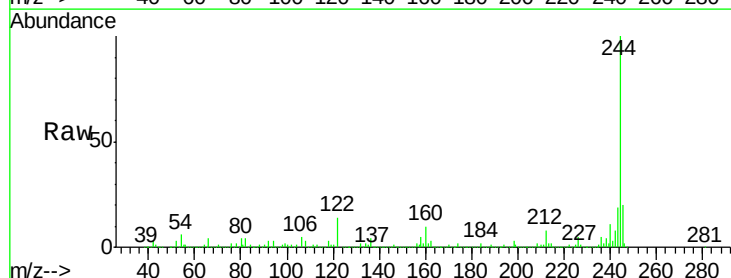
Instrument :
BNA_F
ClientSampleId :

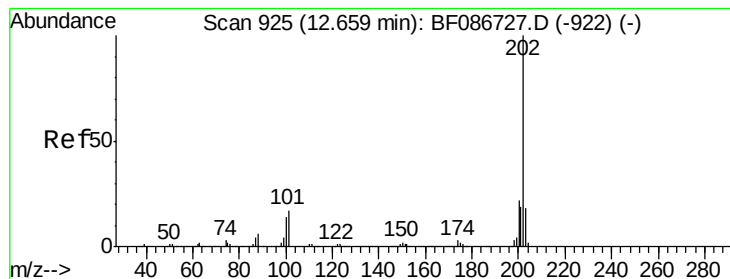
Tot Ion:240 Resp: 383068
Ion Ratio Lower Upper
240 100
120 10.7 11.2 16.8#
236 26.8 21.2 31.8



#76
Benzidine
Concen: 8.75 ng
RT: 12.81 min Scan# 938
Delta R.T. 0.24 min
Lab File: BF086732.D
Acq: 6 May 2016 19:06

Tgt Ion:184 Resp: 20385
Ion Ratio Lower Upper
184 100
185 19.4 13.6 20.4
183 13.1 9.8 14.6





#77

Pvrene

Concen: 43.87 ng

RT: 12.66 min Scan# 925

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Instrument :

BNA_F

ClientSampleId :

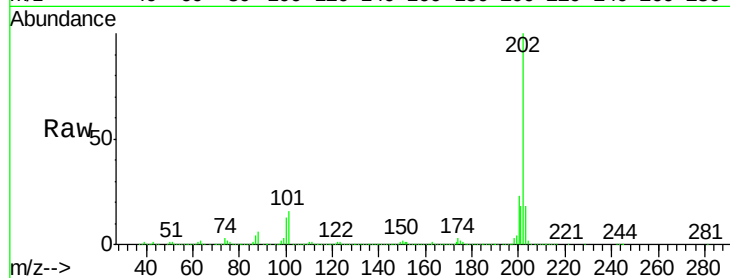
Tot Ion:202 Resp: 1339743

Ion Ratio Lower Upper

202 100

200 22.5 17.7 26.5

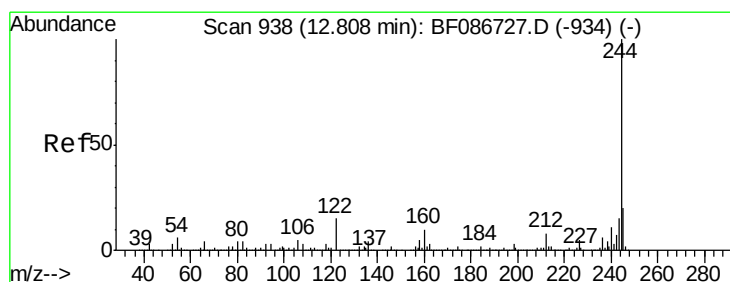
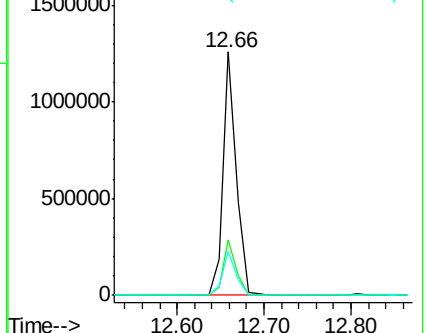
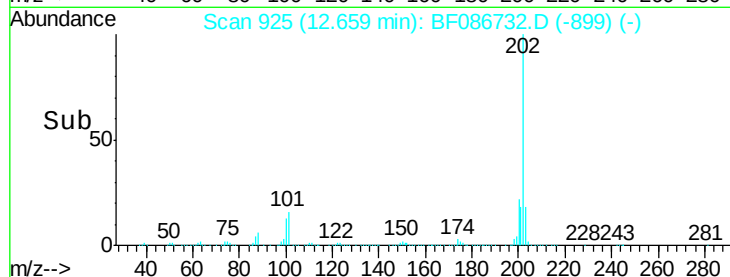
203 18.2 14.2 21.4



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: 67.88 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

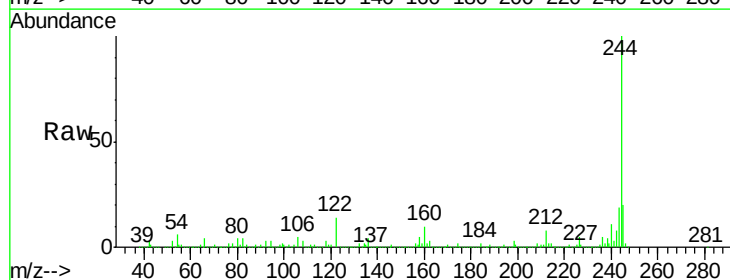
Tgt Ion:244 Resp: 1286602

Ion Ratio Lower Upper

244 100

212 8.5 6.2 9.2

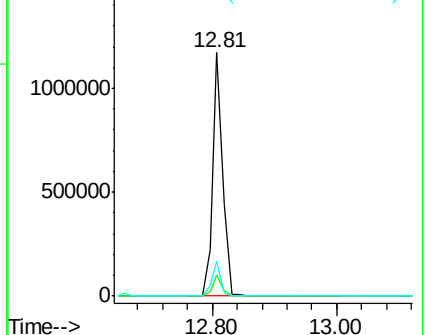
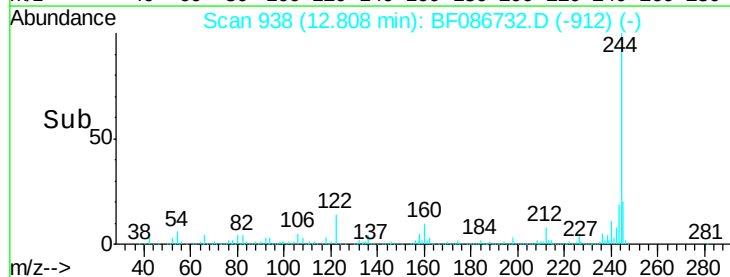
122 14.2 12.0 18.0

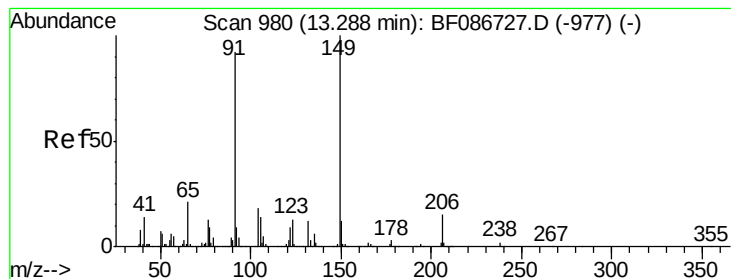


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 47.47 ng

RT: 13.29 min Scan# 980

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Instrument :

BNA_F

ClientSampleId :

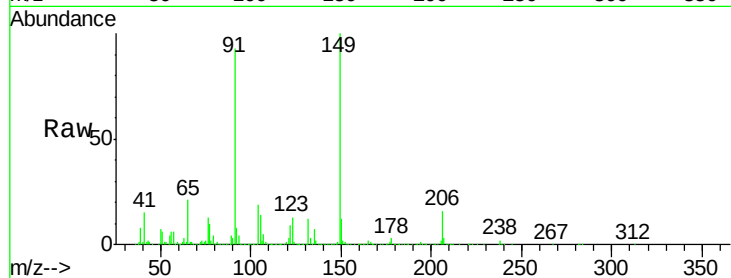
Tot Ion:149 Resp: 607209

Ion Ratio Lower Upper

149 100

91 92.5 48.0 72.0#

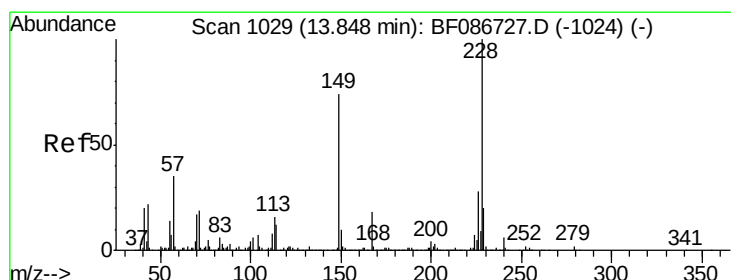
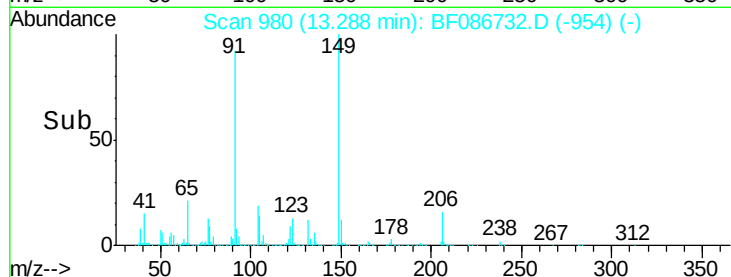
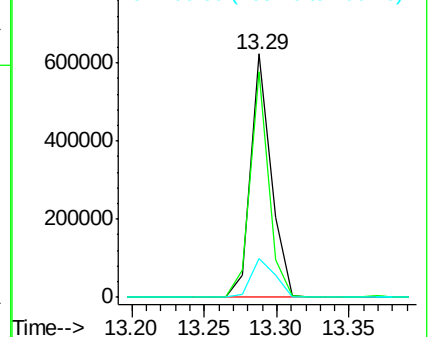
206 15.8 15.8 23.6



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: 49.74 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

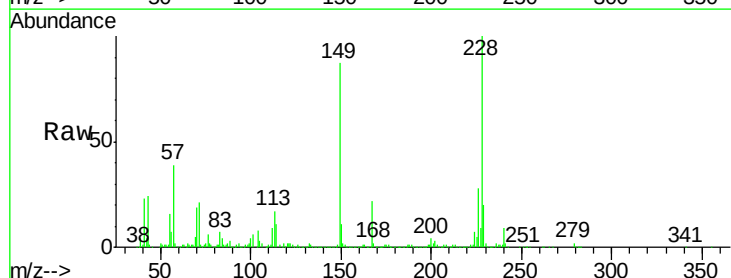
Tgt Ion:228 Resp: 1077518

Ion Ratio Lower Upper

228 100

226 28.1 22.5 33.7

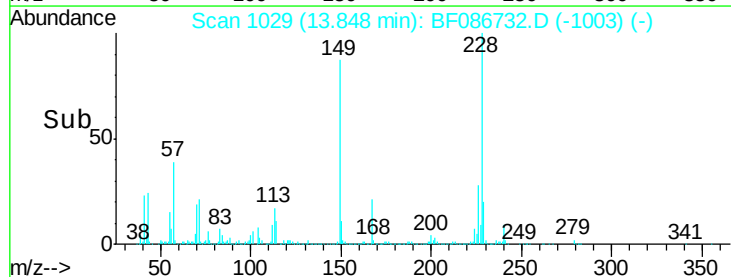
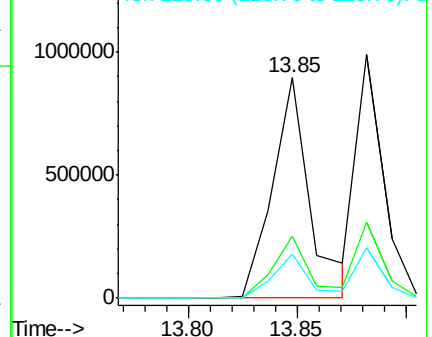
229 20.2 16.6 25.0

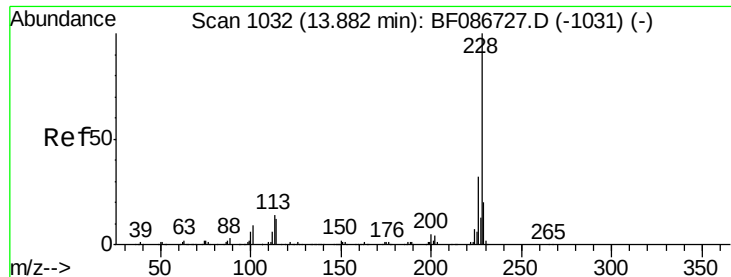


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 38.41 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Instrument :

BNA_F

ClientSampleId :

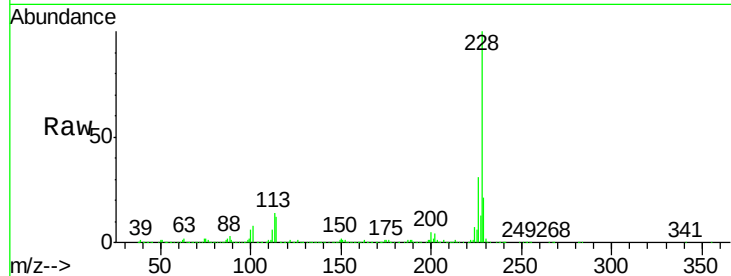
Tot Ion:228 Resp: 887705

Ion Ratio Lower Upper

228 100

226 31.3 24.4 36.6

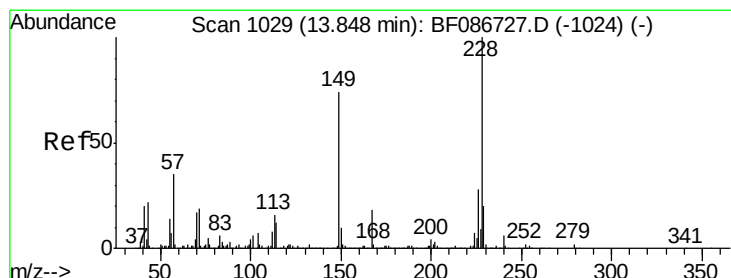
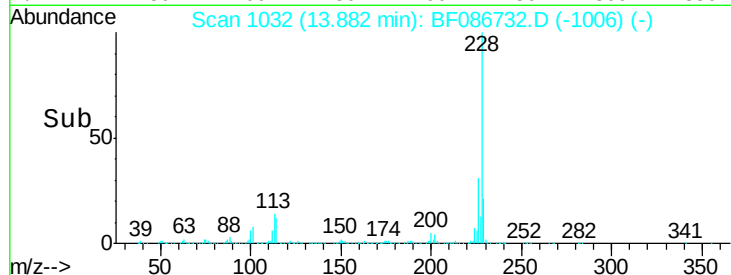
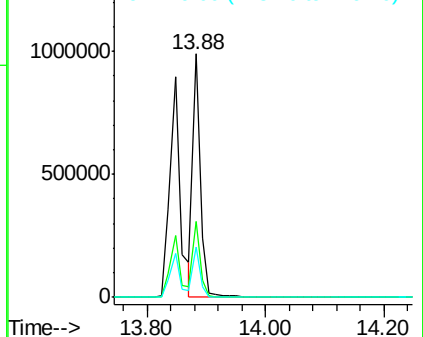
229 20.5 15.8 23.8



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 51.22 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

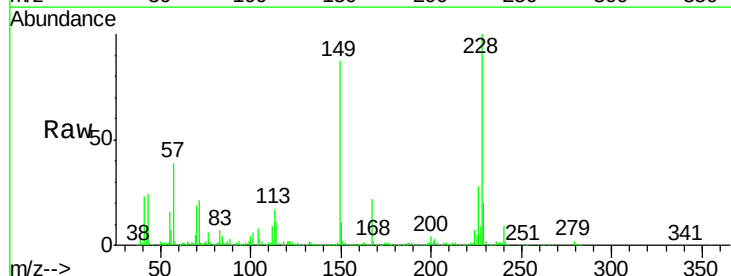
Tgt Ion:149 Resp: 758245

Ion Ratio Lower Upper

149 100

167 24.8 21.8 32.6

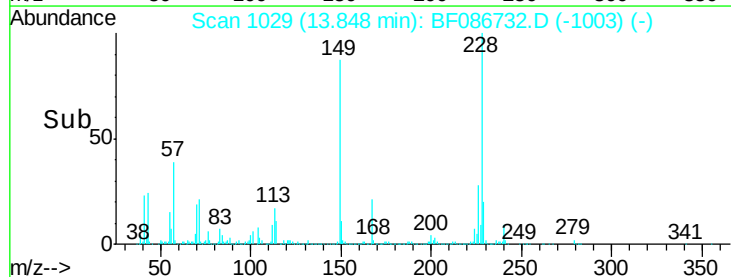
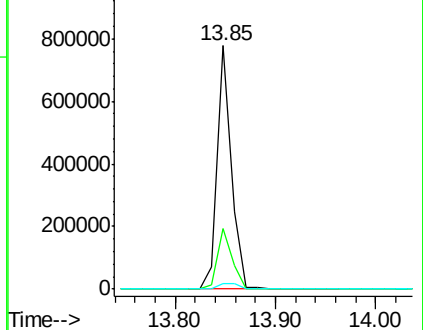
279 2.4 2.6 4.0#

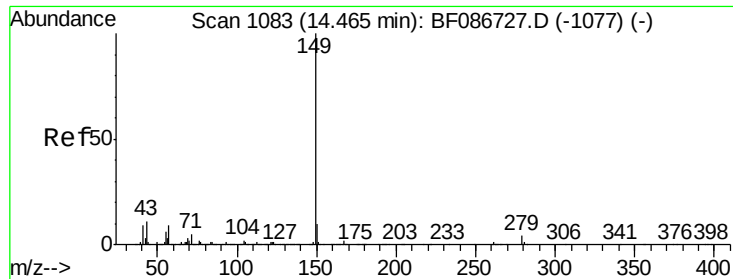


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 61.94 ng

RT: 14.45 min Scan# 1082

Delta R.T. -0.01 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Instrument :

BNA_F

ClientSampleId :

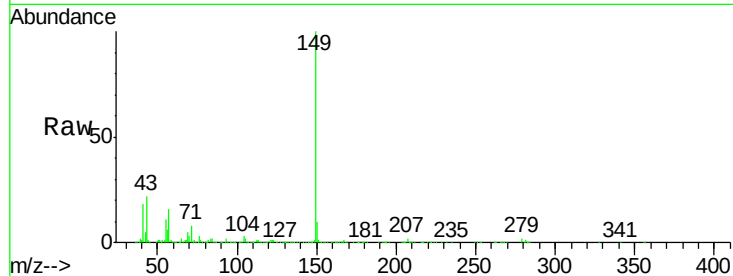
Tot Ion:149 Resp: 1349166

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

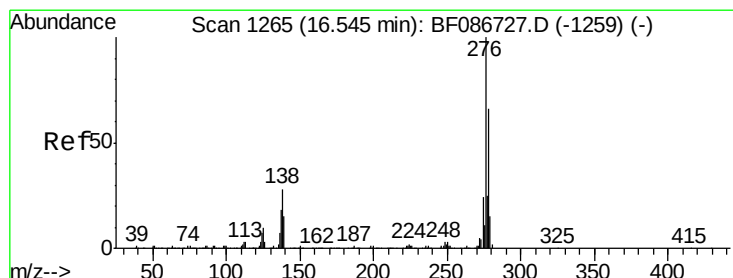
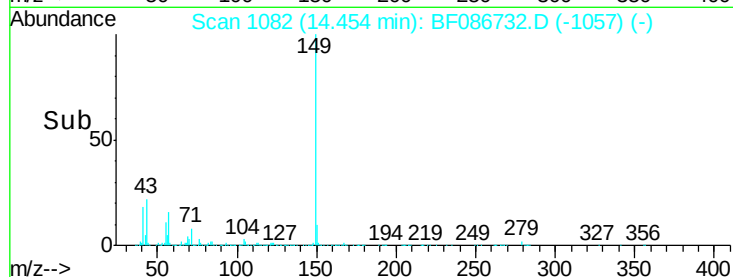
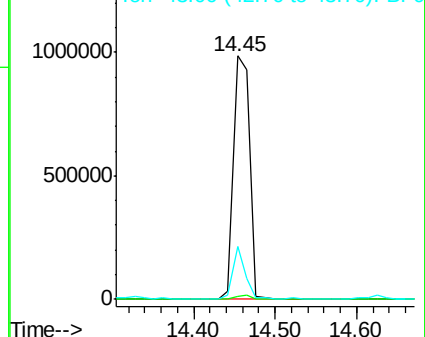
43 16.1 8.2 12.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 47.92 ng

RT: 16.55 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

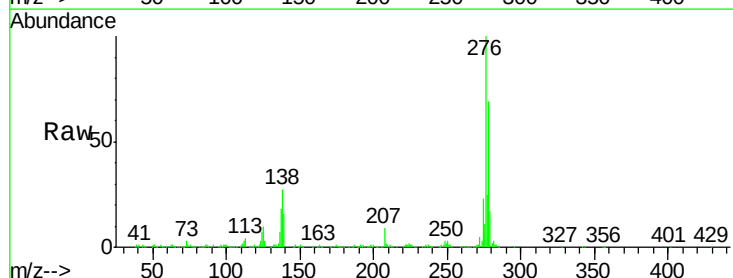
Tgt Ion:276 Resp: 950264

Ion Ratio Lower Upper

276 100

138 27.2 25.6 38.4

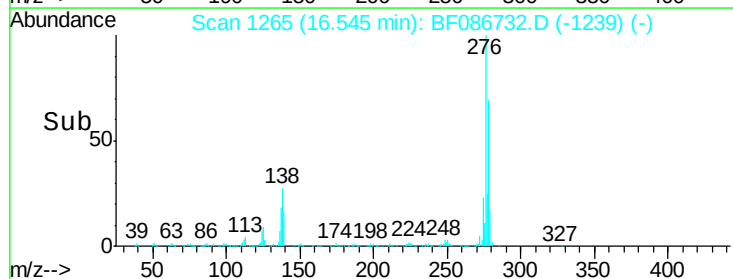
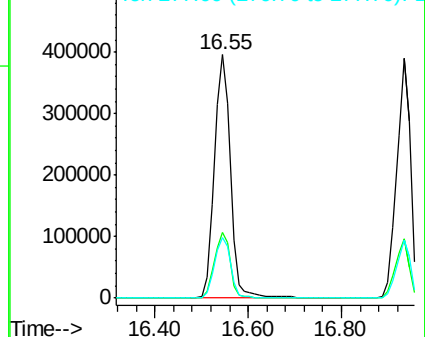
277 25.5 20.5 30.7

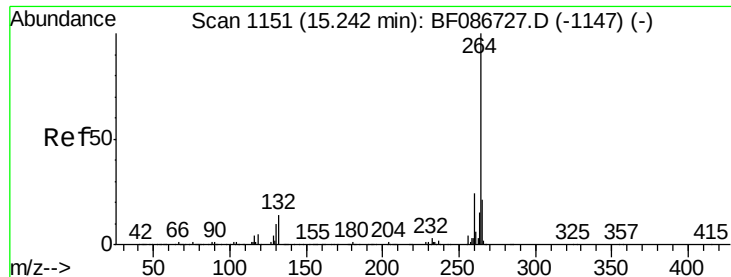


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

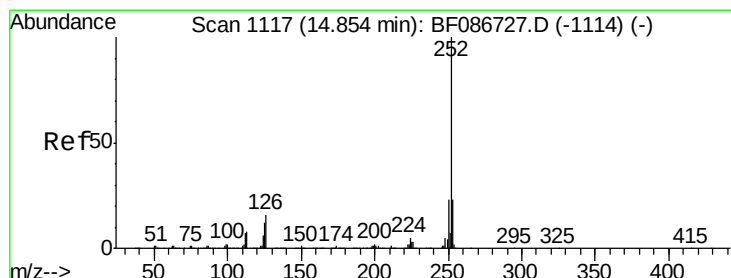
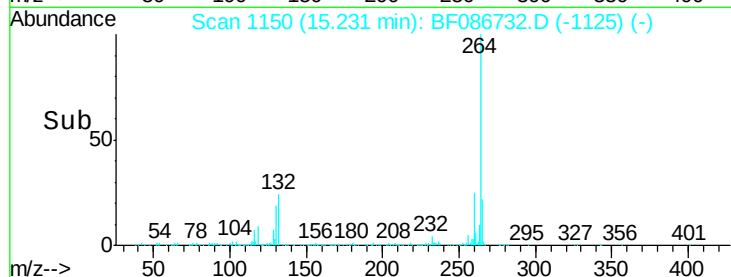
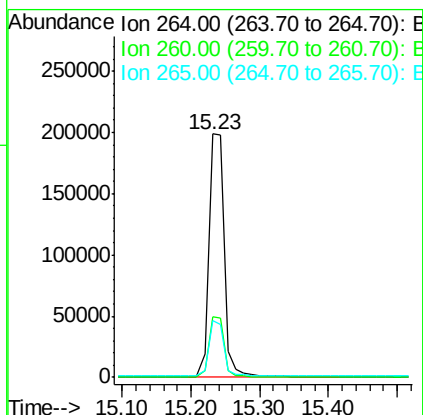
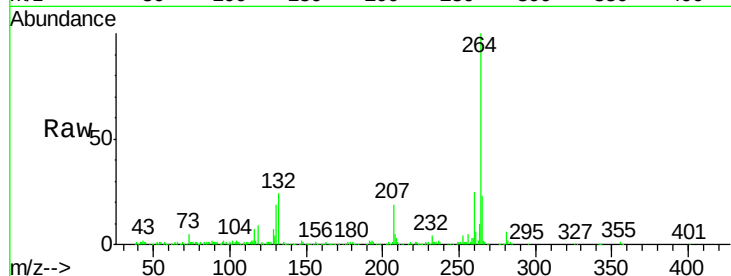




#86
Pervlene-d12
Concen: 40.00 ng
RT: 15.23 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF086732.D
Acq: 6 May 2016 19:06

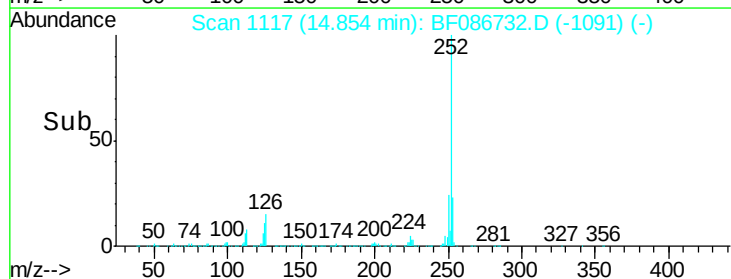
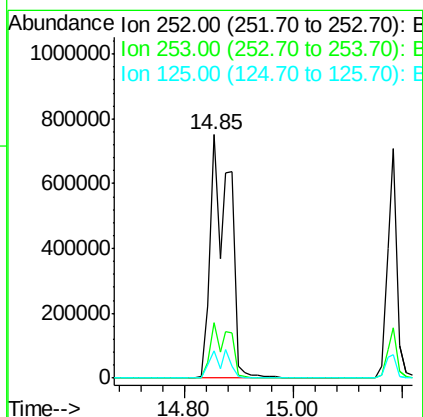
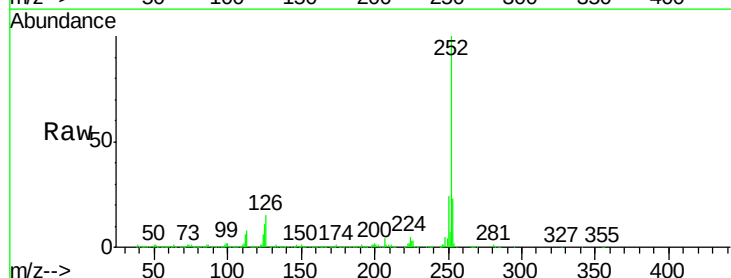
Instrument :
BNA_F
ClientSampleId :

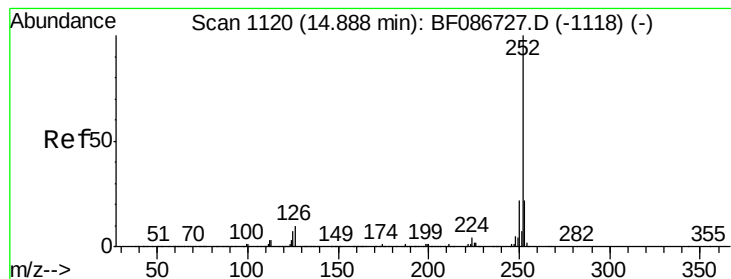
Tot Ion:264 Resp: 313208
Ion Ratio Lower Upper
264 100
260 24.9 19.5 29.3
265 23.1 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 99.00 ng
RT: 14.85 min Scan# 1117
Delta R.T. -0.00 min
Lab File: BF086732.D
Acq: 6 May 2016 19:06

Tgt Ion:252 Resp: 1863186
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 11.4 11.4 17.0





#88

Benzo(k)fluoranthene

Concen: 105.20 ng

RT: 14.85 min Scan# 1117

Delta R.T. -0.03 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Instrument :

BNA_F

ClientSampleId :

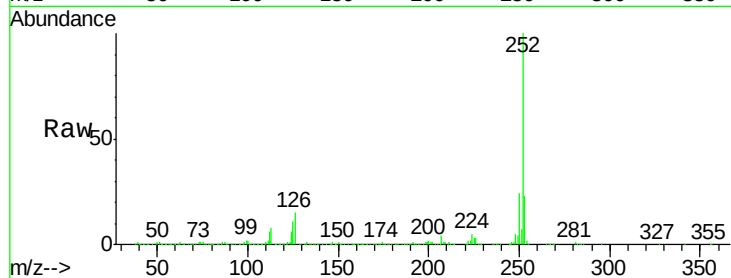
Tot Ion:252 Resp: 1865466

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

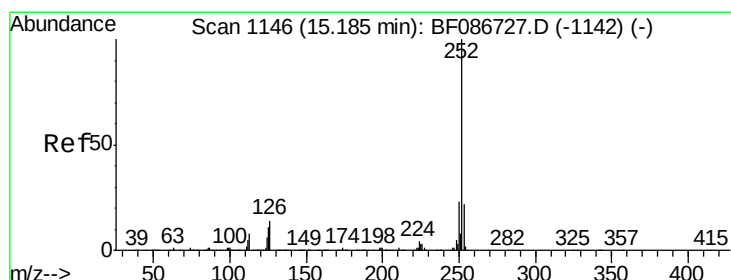
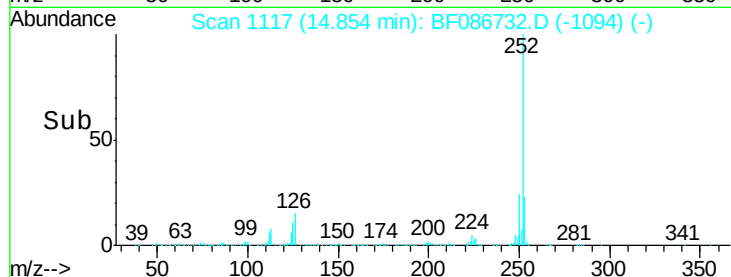
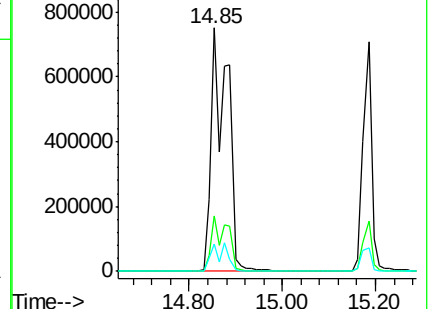
125 11.4 9.1 13.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 51.28 ng

RT: 15.19 min Scan# 1146

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

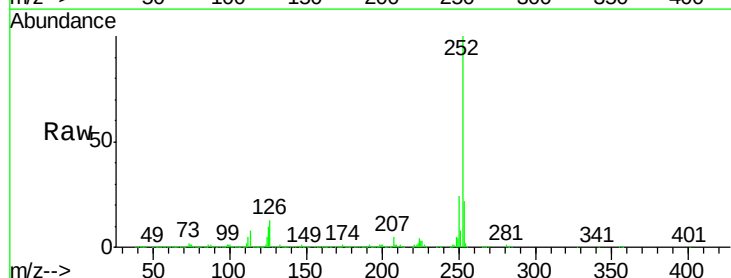
Tgt Ion:252 Resp: 888995

Ion Ratio Lower Upper

252 100

253 22.2 17.2 25.8

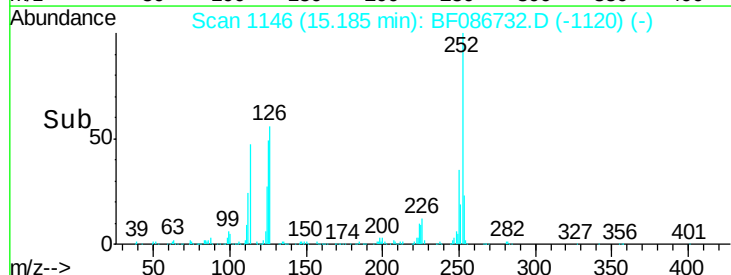
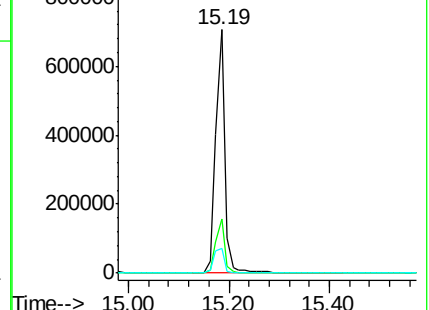
125 10.1 9.0 13.6

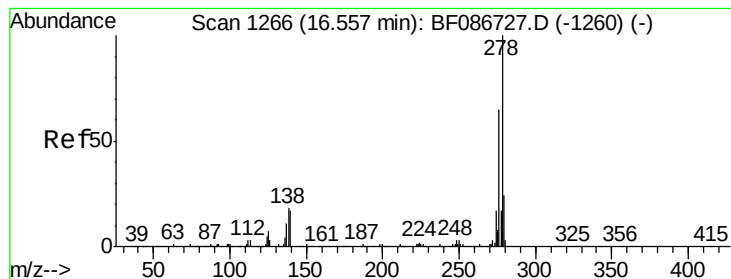


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 47.05 ng

RT: 16.56 min Scan# 1266

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

Instrument :

BNA_F

ClientSampleId :

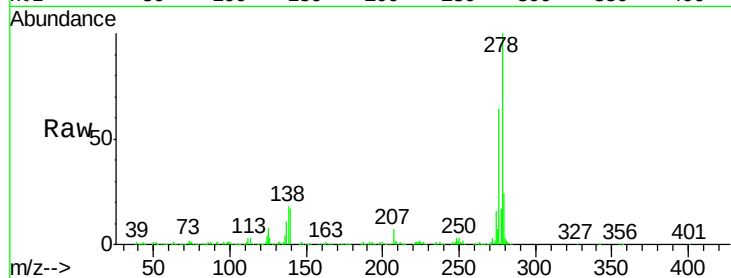
Tot Ion:278 Resp: 783557

Ion	Ratio	Lower	Upper
278	100		
139	16.6	16.6	24.8
279	24.1	19.6	29.4

278 100

139 16.6 16.6 24.8

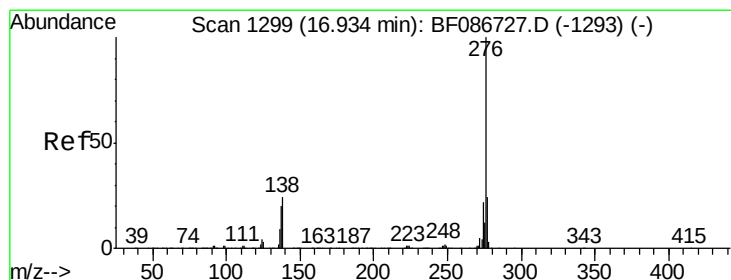
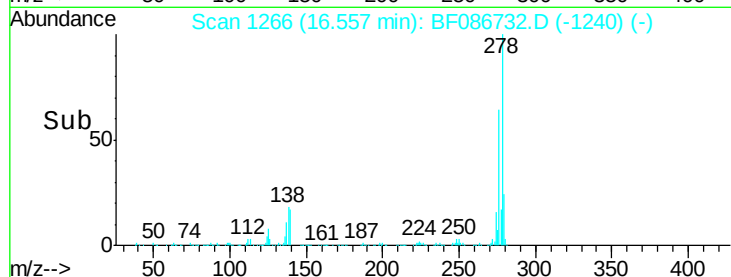
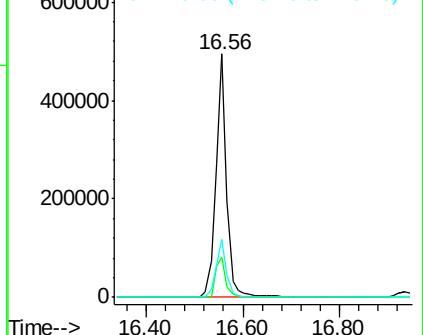
279 24.1 19.6 29.4



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: 46.87 ng

RT: 16.93 min Scan# 1299

Delta R.T. -0.00 min

Lab File: BF086732.D

Acq: 6 May 2016 19:06

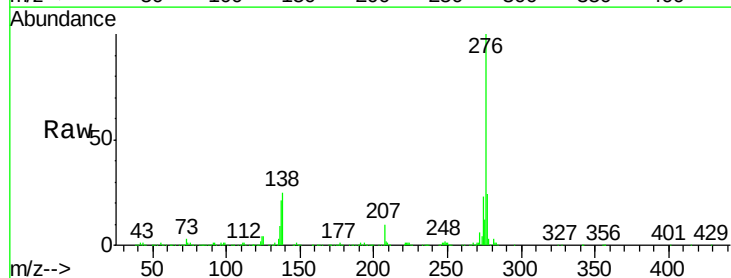
Tgt Ion:276 Resp: 819518

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.6	29.4
138	24.8	23.6	35.4

276 100

277 23.9 19.6 29.4

138 24.8 23.6 35.4



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

