

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050616\
 Data File : BF086749.D
 Acq On : 7 May 2016 3:16
 Operator : UM/SJ
 Sample : PB90223BSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 07 04:48:50 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	177640	40.00	ng	0.00
21) Naphthalene-d8	8.00	136	745342	40.00	ng	0.00
38) Acenaphthene-d10	9.74	164	349376	40.00	ng	0.00
63) Phenanthrene-d10	11.22	188	594101	40.00	ng	-0.01
75) Chrysene-d12	13.85	240	390518	40.00	ng	-0.01
86) Perylene-d12	15.23	264	351282	40.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	1221881	113.87	ng	0.00
7) Phenol-d6	6.37	99	1593016	110.21	ng	-0.01
23) Nitrobenzene-d5	7.28	82	1177460	81.18	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	420307	122.98	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	1800437	84.47	ng	-0.01
78) Terphenyl-d14	12.81	244	1581149	81.83	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.33	88	157284	28.36	ng	# 74
3) Pyridine	3.06	79	422790	31.09	ng	# 71
4) n-Nitrosodimethylamine	2.96	42	332287	40.28	ng	# 49
6) Aniline	6.38	93	298416	16.73	ng	# 1
8) 2-Chlorophenol	6.50	128	477182	37.06	ng	90
9) Benzaldehyde	6.26	77	61367	8.51	ng	97
10) Phenol	6.38	94	532023	33.64	ng	# 55
11) bis(2-Chloroethyl)ether	6.45	93	457077	33.58	ng	86
12) 1,3-Dichlorobenzene	6.65	146	498141	36.43	ng	99
13) 1,4-Dichlorobenzene	6.73	146	509198	36.02	ng	99
14) 1,2-Dichlorobenzene	6.88	146	446541	36.27	ng	97
15) Benzyl Alcohol	6.86	79	405170	43.33	ng	# 84
16) 2,2'-oxybis(1-Chloropropan	7.00	45	994839	35.75	ng	98
17) 2-Methylphenol	6.99	107	403303	38.90	ng	# 82
18) Hexachloroethane	7.22	117	199069	37.30	ng	# 85
19) n-Nitroso-di-n-propylamine	7.14	70	377837	38.26	ng	# 69
20) 3+4-Methylphenols	7.15	107	527947	43.49	ng	# 61
22) Acetophenone	7.13	105	677691	39.02	ng	98
24) Nitrobenzene	7.30	77	552580	36.85	ng	98
25) Isophorone	7.55	82	1000151	37.03	ng	96
26) 2-Nitrophenol	7.62	139	272779	40.77	ng	# 90
27) 2,4-Dimethylphenol	7.66	122	430216	36.62	ng	88
28) bis(2-Chloroethoxy)methane	7.76	93	602450	40.52	ng	99
29) 2,4-Dichlorophenol	7.87	162	397177	39.32	ng	93
30) 1,2,4-Trichlorobenzene	7.94	180	434547	38.56	ng	98
31) Naphthalene	8.02	128	1438976	37.79	ng	99
32) Benzoic acid	7.82	122	269274	56.86	ng	# 81
33) 4-Chloroaniline	8.08	127	120162	8.15	ng	# 94
34) Hexachlorobutadiene	8.13	225	249448	38.99	ng	98
35) Caprolactam	8.53	113	57819	18.49	ng	# 60
36) 4-Chloro-3-methylphenol	8.58	107	444430	38.56	ng	93
37) 2-Methylnaphthalene	8.70	142	884192	39.36	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.88	216	400934	39.65	ng	99
40) Hexachlorocyclopentadiene	8.85	237	472151	99.66	ng	95

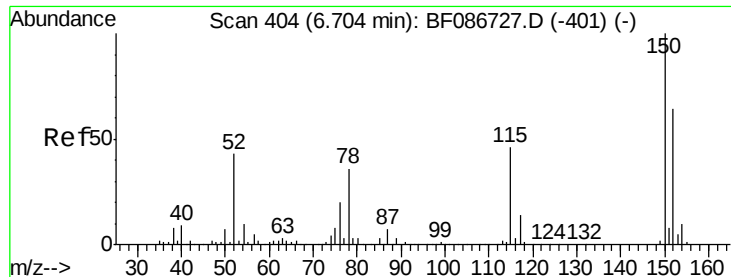
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.99	196	266685	41.47	nq	95
43) 2,4,5-Trichlorophenol	9.05	196	287061	42.73	nq	95
45) 1,1'-Biphenyl	9.17	154	1154206	40.41	nq	97
46) 2-Chloronaphthalene	9.20	162	863855	39.19	nq	96
47) 2-Nitroaniline	9.30	65	287956	36.75	nq #	73
48) Acenaphthylene	9.61	152	1249375	38.18	nq	99
49) Dimethylphthalate	9.48	163	983302	37.75	nq	99
50) 2,6-Dinitrotoluene	9.55	165	228493	40.88	nq #	67
51) Acenaphthene	9.78	154	810786	37.56	nq	98
52) 3-Nitroaniline	9.72	138	88478	13.92	nq	95
53) 2,4-Dinitrophenol	9.82	184	204188	85.27	nq	93
54) Dibenzofuran	9.95	168	1058468	39.56	nq	93
55) 4-Nitrophenol	9.90	139	284744	76.86	nq #	53
56) 2,4-Dinitrotoluene	9.95	165	282472	40.78	nq #	87
57) Fluorene	10.29	166	904117	41.70	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.08	232	233939	47.41	nq	97
59) Diethylphthalate	10.18	149	899028	36.47	nq	99
60) 4-Chlorophenyl-phenylether	10.28	204	394816	38.30	nq	97
61) 4-Nitroaniline	10.34	138	222805	36.49	nq	82
62) Azobenzene	10.44	77	1104153	40.42	nq	83
64) 4,6-Dinitro-2-methylphenol	10.35	198	141370	47.32	nq #	22
65) n-Nitrosodiphenylamine	10.41	169	733871	38.90	nq	100
66) 4-Bromophenyl-phenylether	10.77	248	246084	41.68	nq	98
67) Hexachlorobenzene	10.83	284	278420	38.67	nq #	63
68) Atrazine	10.94	200	228501	39.53	nq	96
69) Pentachlorophenol	11.04	266	286330	81.81	nq	99
70) Phenanthrene	11.25	178	1325167	41.53	nq	100
71) Anthracene	11.30	178	1256801	37.61	nq	100
72) Carbazole	11.46	167	1068823	36.83	nq	98
73) Di-n-butylphthalate	11.79	149	1376644	39.96	nq #	98
74) Fluoranthene	12.43	202	1264527	39.54	nq	97
76) Benzidine	12.57	184	311338	31.90	nq #	94
77) Pyrene	12.66	202	1347019	43.27	nq	99
79) Butylbenzylphthalate	13.29	149	610459	46.81	nq	89
80) Benzo(a)anthracene	13.84	228	937570	42.45	nq	99
81) 3,3'-Dichlorobenzidine	13.81	252	141926	10.23	nq #	96
82) Chrysene	13.88	228	1027526	43.61	nq	99
83) Bis(2-ethylhexyl)phthalate	13.85	149	770815	51.08	nq	98
84) Di-n-octyl phthalate	14.45	149	1269567	57.17	nq #	84
85) Indeno(1,2,3-cd)pyrene	16.53	276	818837	40.50	nq	95
87) Benzo(b)fluoranthene	14.88	252	1743254	82.59	nq #	96
88) Benzo(k)fluoranthene	14.88	252	1745436	87.76	nq	99
89) Benzo(a)pyrene	15.17	252	794804	40.88	nq	97
90) Dibenzo(a,h)anthracene	16.55	278	684260	36.64	nq	95
91) Benzo(g,h,i)perylene	16.92	276	666167	33.97	nq #	93

(#) = 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: BF086749.D

Acq: 7 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

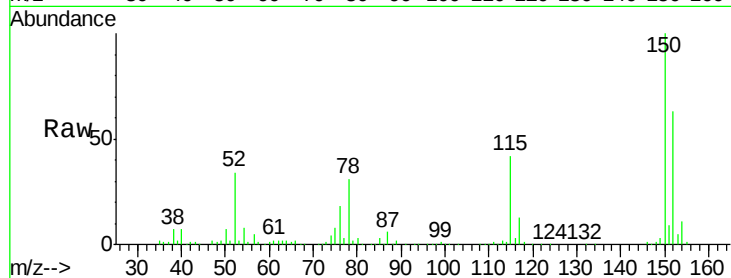
Tot Ion:152 Resp: 177640

Ion Ratio Lower Upper

152 100

150 158.8 125.8 188.6

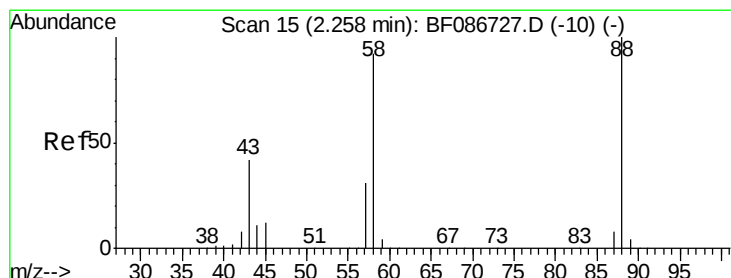
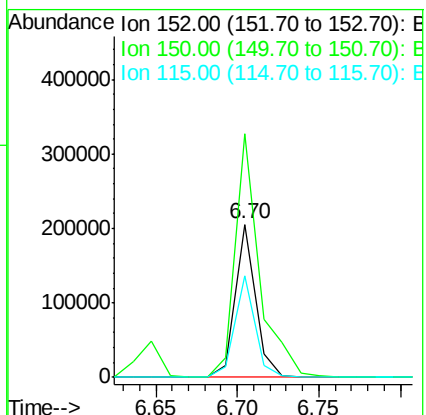
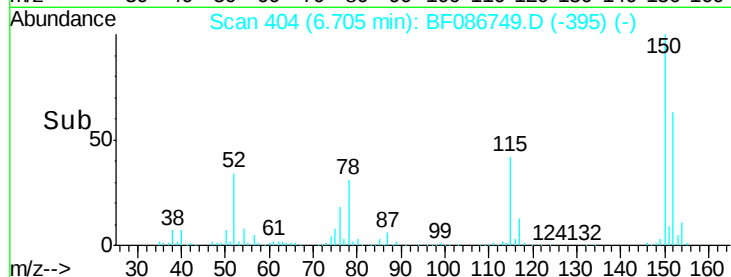
115 66.2 51.5 77.3



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: 28.36 ng

RT: 2.33 min Scan# 21

Delta R.T. 0.07 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

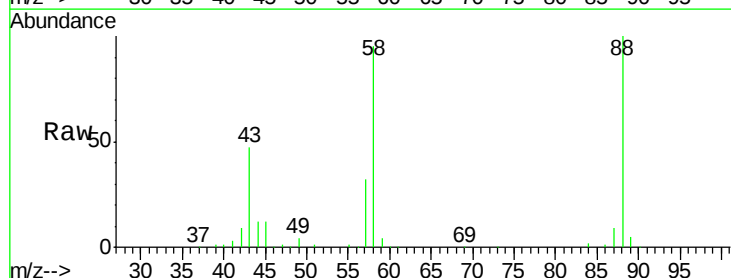
Tgt Ion: 88 Resp: 157284

Ion Ratio Lower Upper

88 100

58 93.7 59.6 89.4#

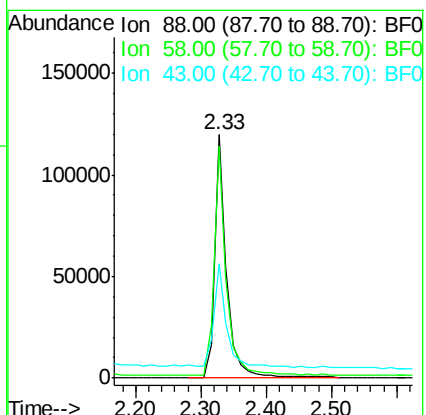
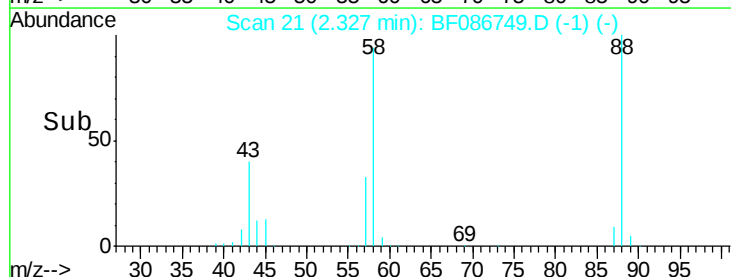
43 45.7 21.8 32.6#

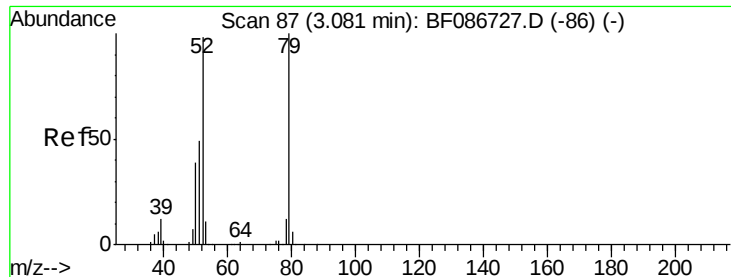


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

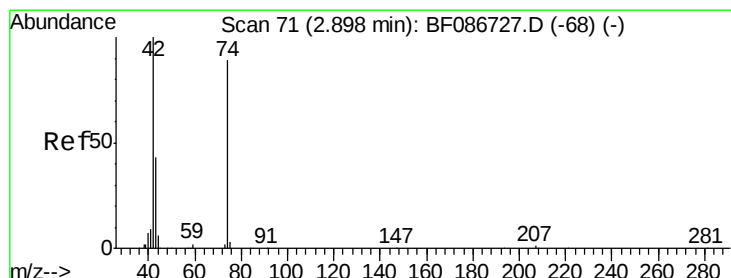
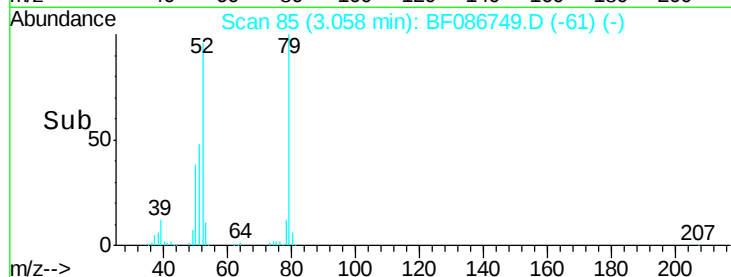
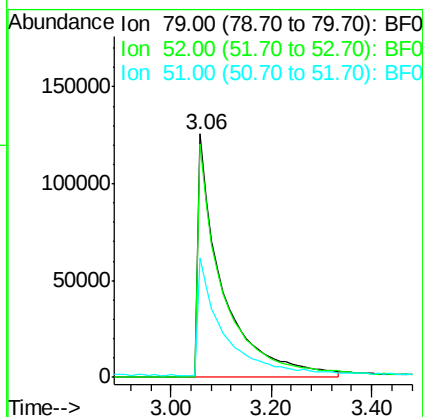
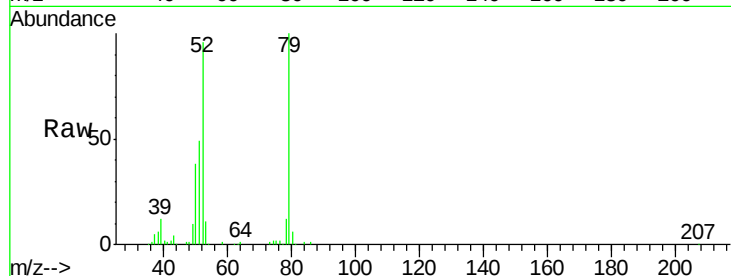




#3
 Pvridine
 Concen: 31.09 ng
 RT: 3.06 min Scan# 85
 Delta R.T. -0.02 min
 Lab File: BF086749.D
 Acq: 7 May 2016 3:16

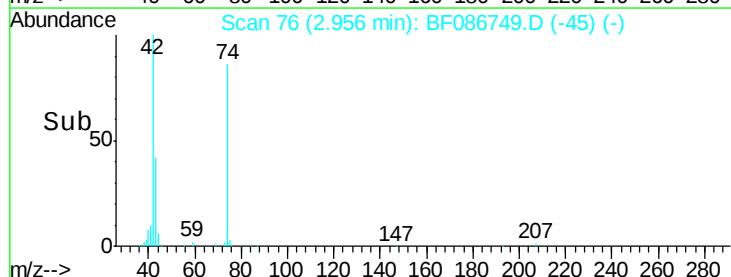
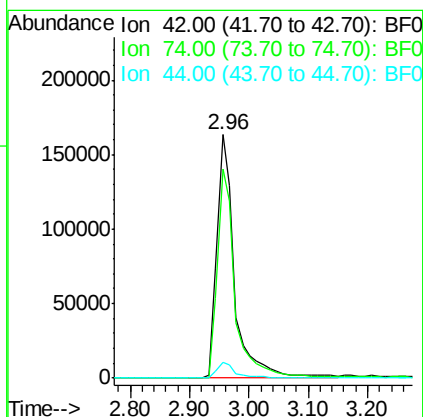
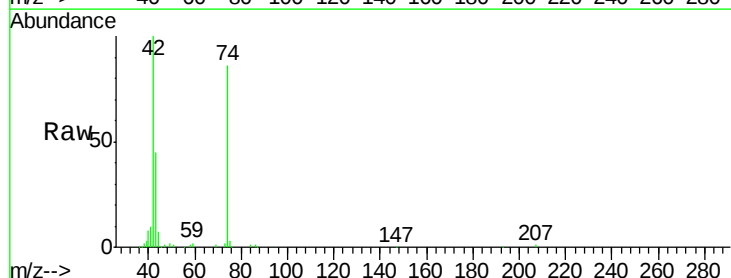
Instrument :
 BNA_F
 ClientSampleId :

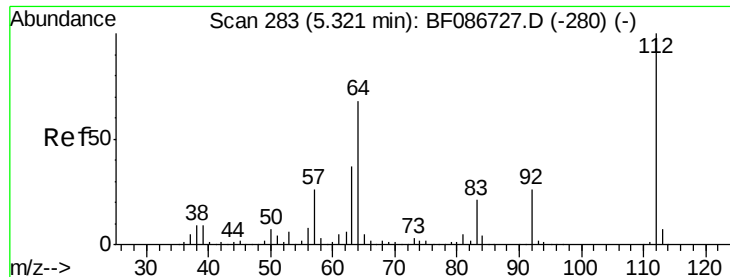
Tot Ion: 79 Resp: 422790
 Ion Ratio Lower Upper
 79 100
 52 95.6 55.9 83.9#
 51 49.3 28.1 42.1#



#4
 n-Nitrosodimethylamine
 Concen: 40.28 ng
 RT: 2.96 min Scan# 76
 Delta R.T. 0.06 min
 Lab File: BF086749.D
 Acq: 7 May 2016 3:16

Tgt Ion: 42 Resp: 332287
 Ion Ratio Lower Upper
 42 100
 74 85.7 123.4 185.0#
 44 6.6 5.8 8.6





#5

2-Fluorophenol

Concen: 113.87 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Instrument :
BNA_F
ClientSampleId :

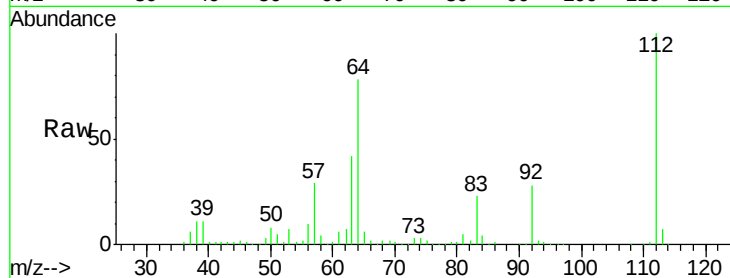
Tot Ion:112 Resp: 1221881

Ion Ratio Lower Upper

112 100

64 77.5 52.1 78.1

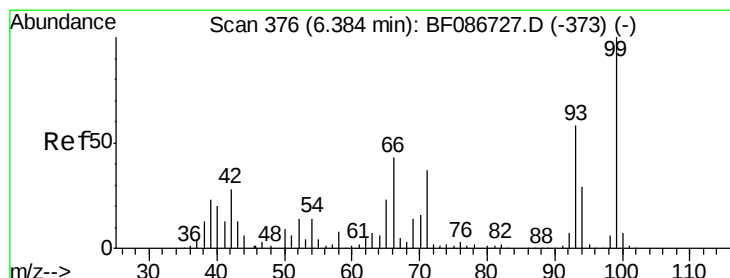
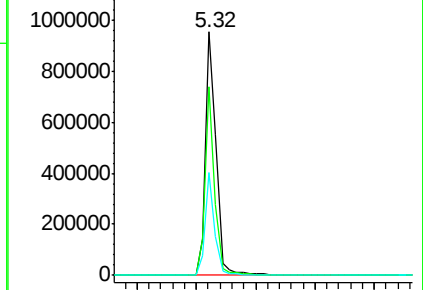
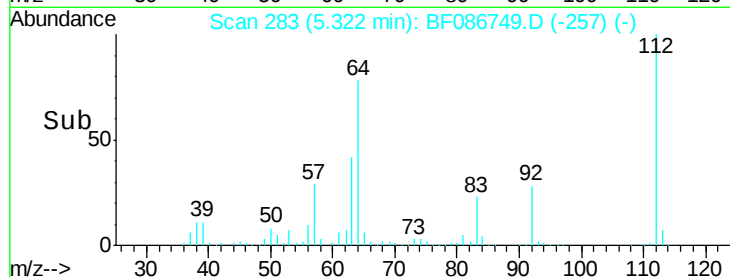
63 42.4 25.7 38.5#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 16.73 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.00 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

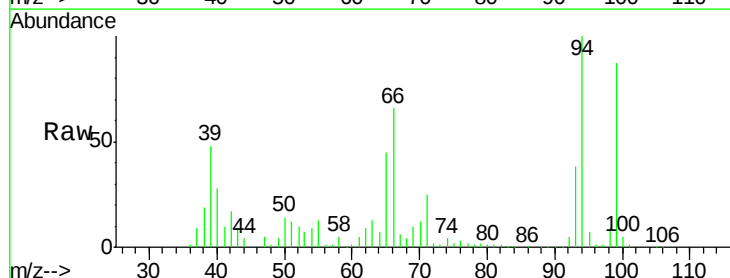
Tgt Ion: 93 Resp: 298416

Ion Ratio Lower Upper

93 100

66 171.9 39.0 58.6#

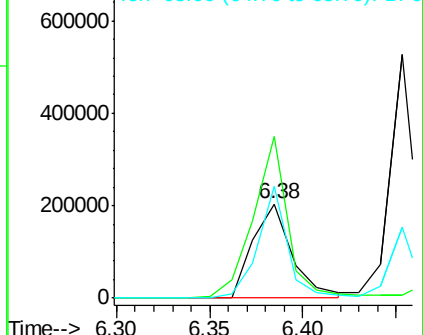
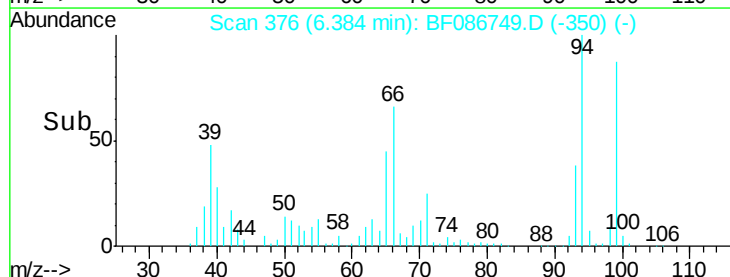
65 119.2 20.6 31.0#

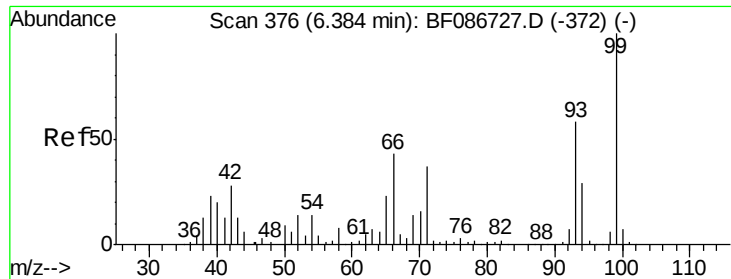


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 110.21 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.01 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Instrument :

BNA_F

ClientSampled :

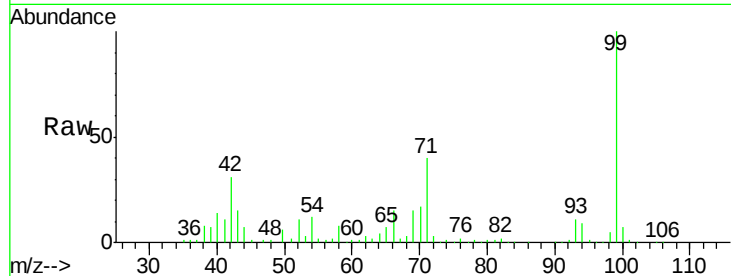
Tot Ion: 99 Resp: 1593016

Ion Ratio Lower Upper

99 100

42 30.6 13.6 20.4#

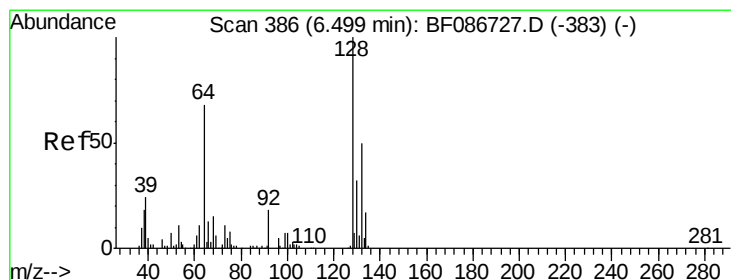
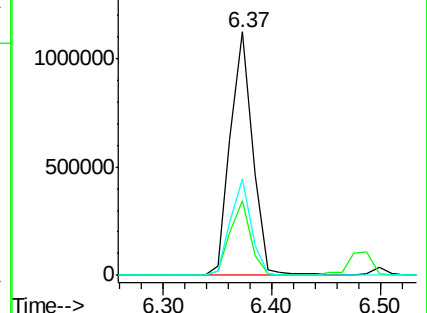
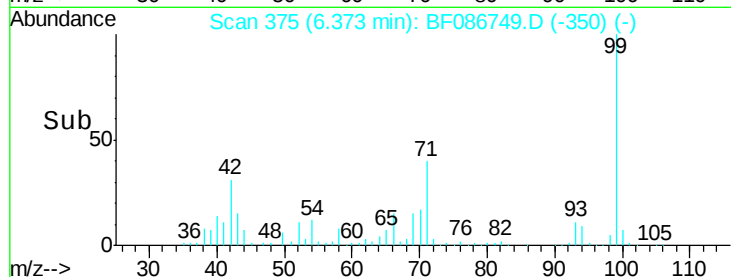
71 39.7 24.6 36.8#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 37.06 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.00 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

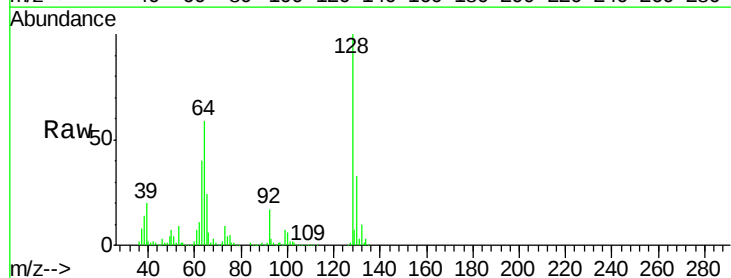
Tgt Ion: 128 Resp: 477182

Ion Ratio Lower Upper

128 100

130 32.9 12.5 52.5

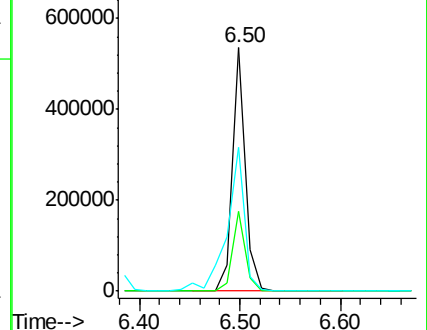
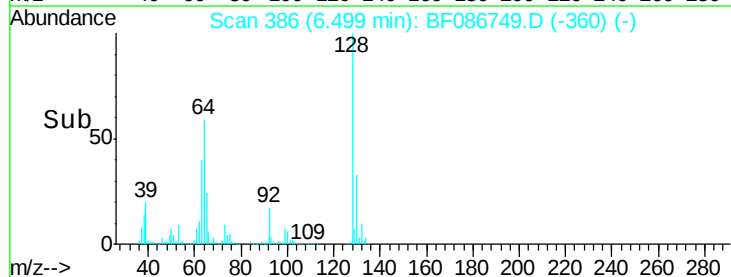
64 58.8 27.3 67.3

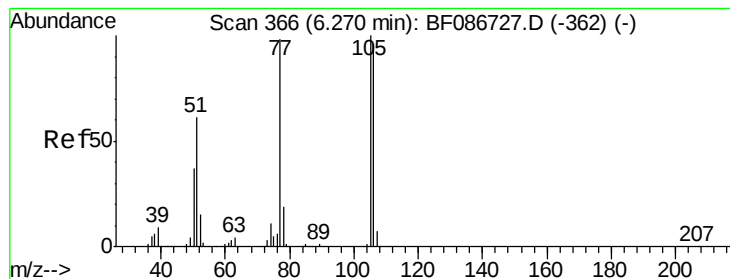


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 8.51 ng

RT: 6.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Instrument :

BNA_F

ClientSampled :

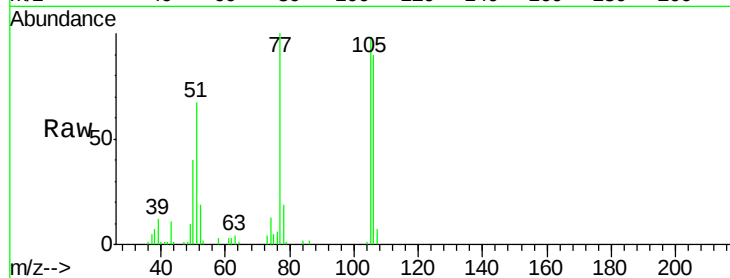
Tot Ion: 77 Resp: 61367

Ion Ratio Lower Upper

77 100

105 97.7 72.7 112.7

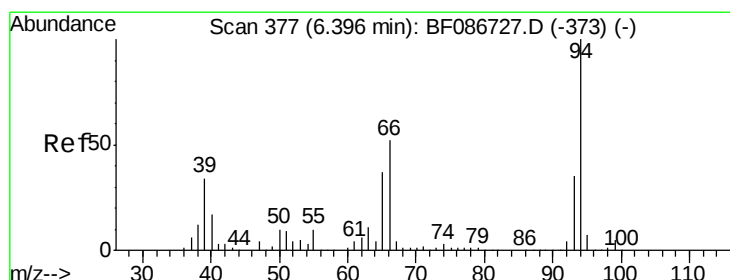
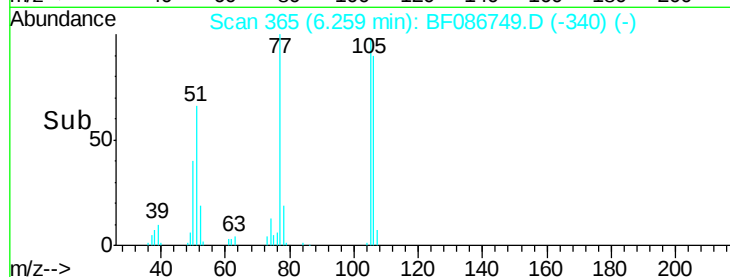
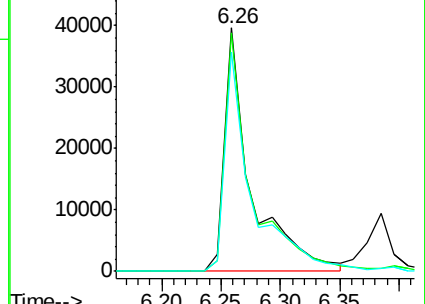
106 90.2 70.8 110.8



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: 33.64 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

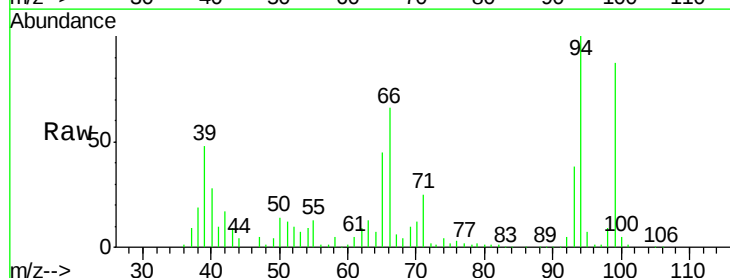
Tgt Ion: 94 Resp: 532023

Ion Ratio Lower Upper

94 100

65 45.5 7.2 47.2

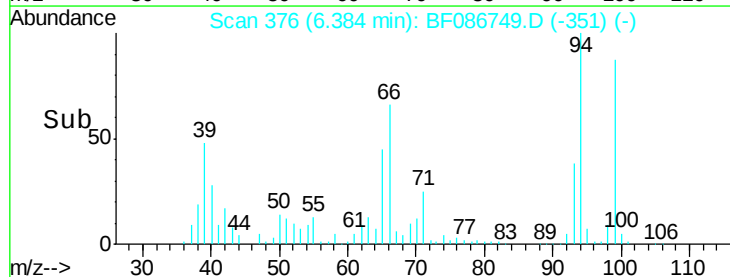
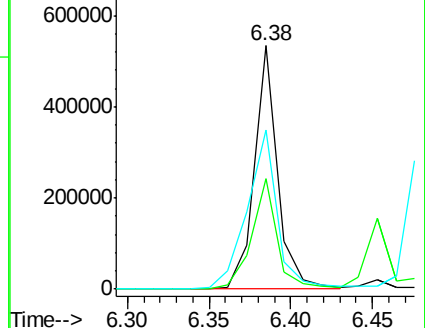
66 65.5 14.9 54.9#

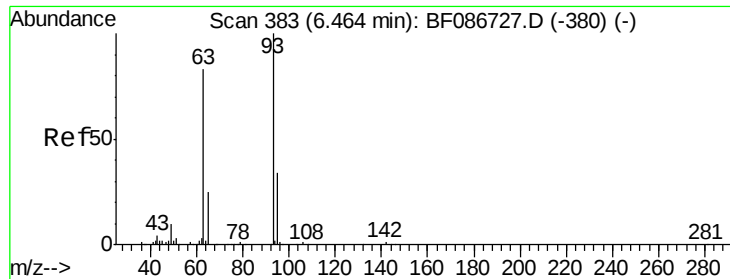


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

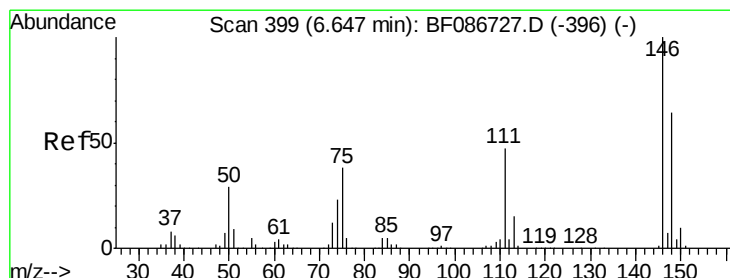
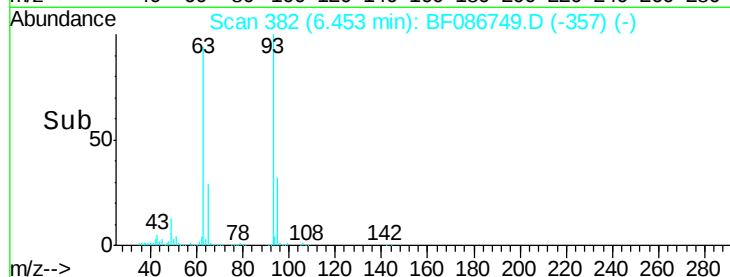
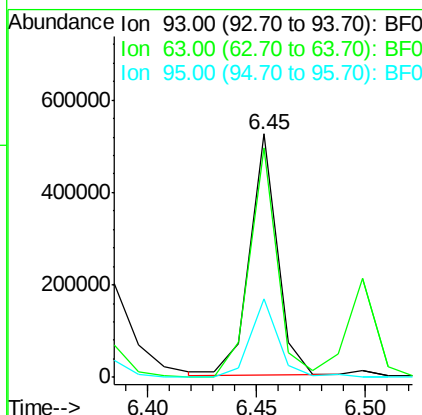
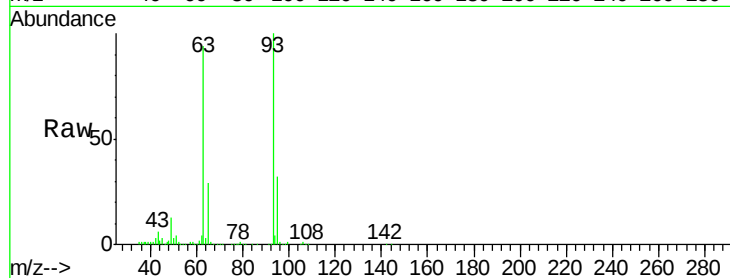




#11
bis(2-Chloroethyl)ether
Concen: 33.58 ng
RT: 6.45 min Scan# 382
Delta R.T. -0.01 min
Lab File: BF086749.D
Acq: 7 May 2016 3:16

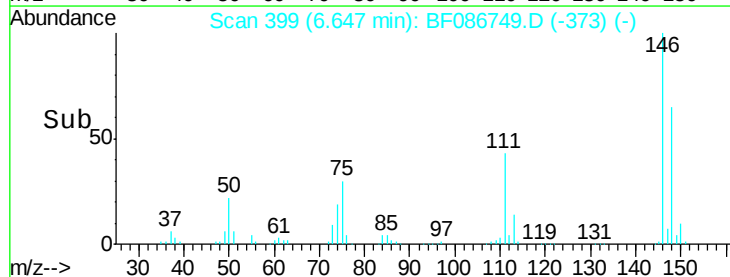
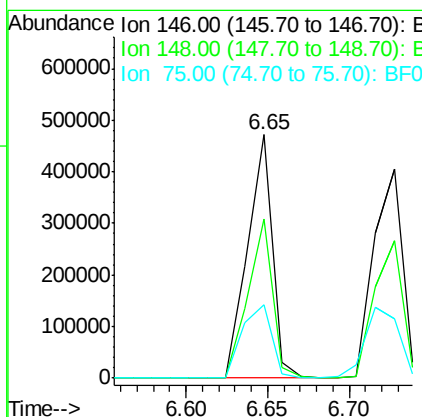
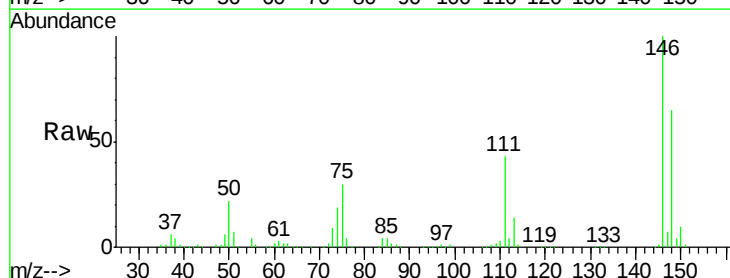
Instrument :
BNA_F
ClientSampleId :

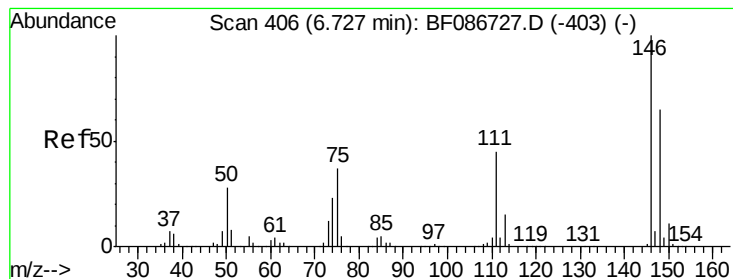
Tot Ion: 93 Resp: 457077
Ion Ratio Lower Upper
93 100
63 94.4 58.0 98.0
95 32.3 11.9 51.9



#12
1,3-Dichlorobenzene
Concen: 36.43 ng
RT: 6.65 min Scan# 399
Delta R.T. 0.00 min
Lab File: BF086749.D
Acq: 7 May 2016 3:16

Tgt Ion: 146 Resp: 498141
Ion Ratio Lower Upper
146 100
148 65.4 52.4 78.6
75 30.3 22.8 34.2





#13

1,4-Dichlorobenzene

Concen: 36.02 ng

RT: 6.73 min Scan# 406

Delta R.T. 0.00 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

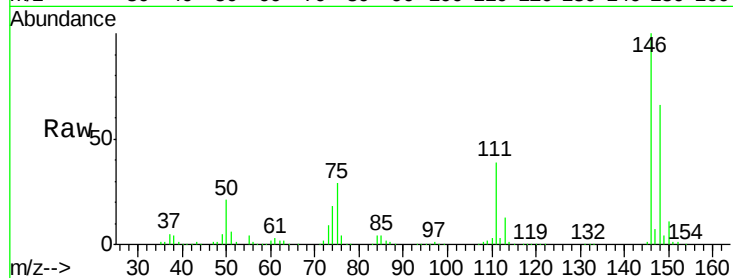
Tot Ion:146 Resp: 509198

Ion Ratio Lower Upper

146 100

148 65.6 52.2 78.4

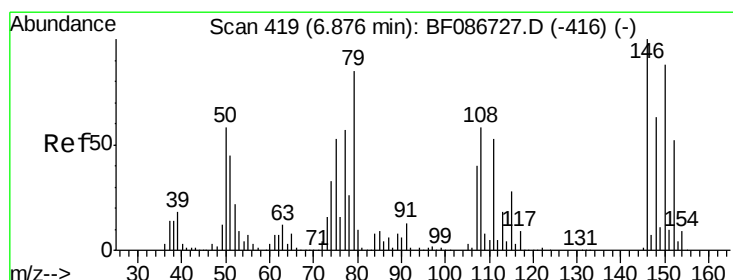
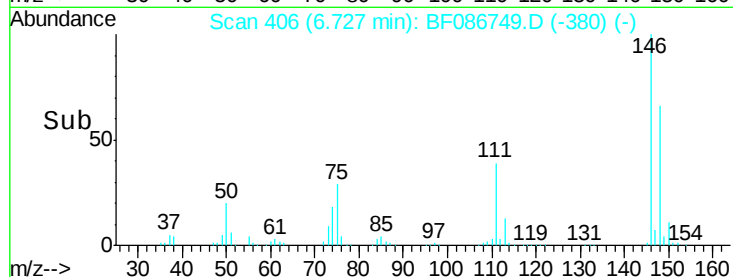
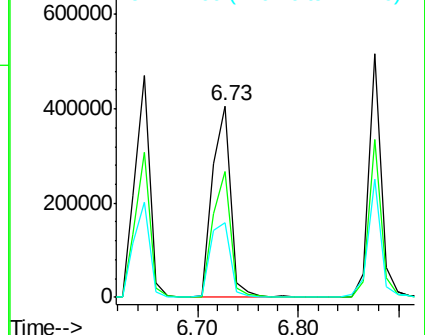
111 39.3 30.7 46.1



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 36.27 ng

RT: 6.88 min Scan# 419

Delta R.T. 0.00 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

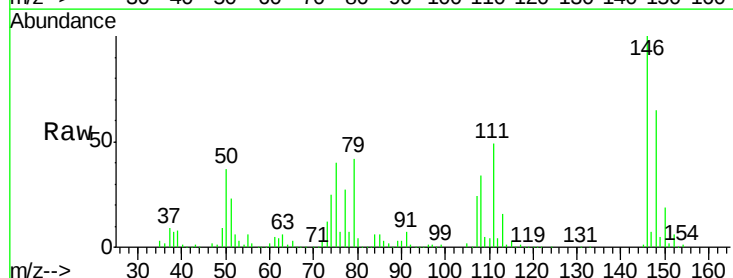
Tgt Ion:146 Resp: 446541

Ion Ratio Lower Upper

146 100

148 64.8 51.0 76.6

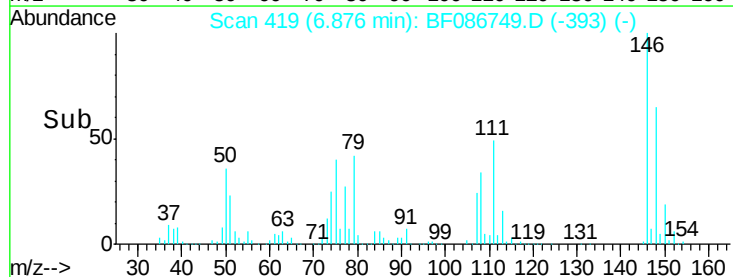
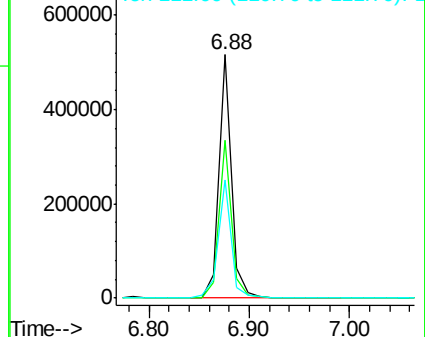
111 48.5 36.2 54.4

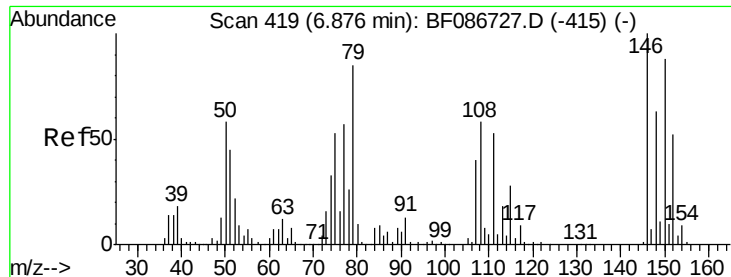


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 43.33 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Instrument :

BNA_F

ClientSampled :

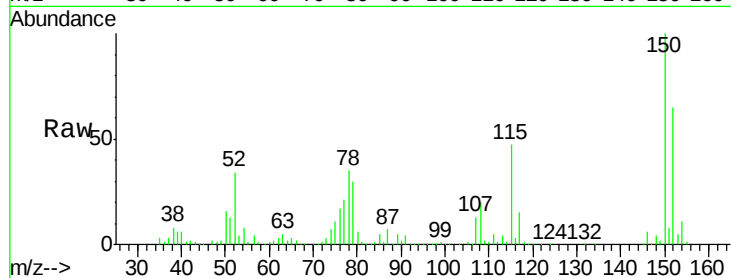
Tot Ion: 79 Resp: 405170

Ion Ratio Lower Upper

79 100

108 64.7 68.4 102.6#

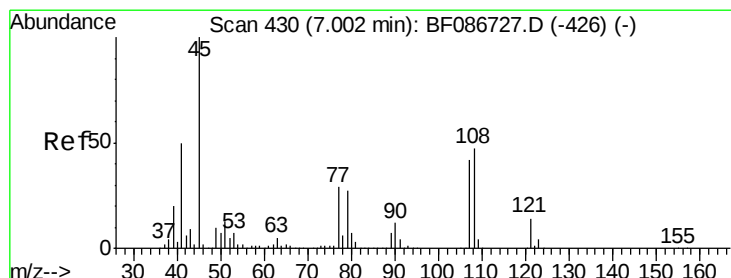
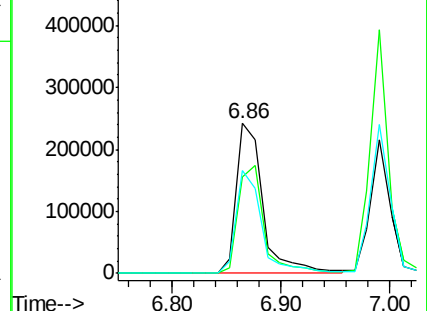
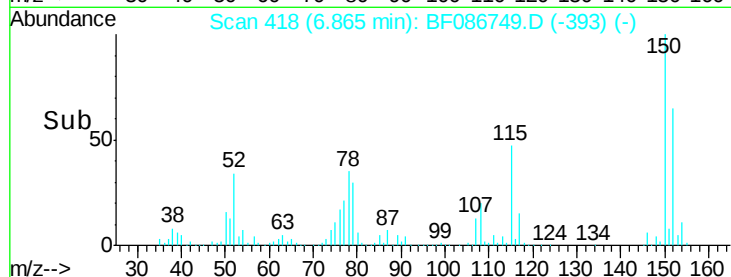
77 68.9 50.6 76.0



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: 35.75 ng

RT: 7.00 min Scan# 430

Delta R.T. 0.00 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

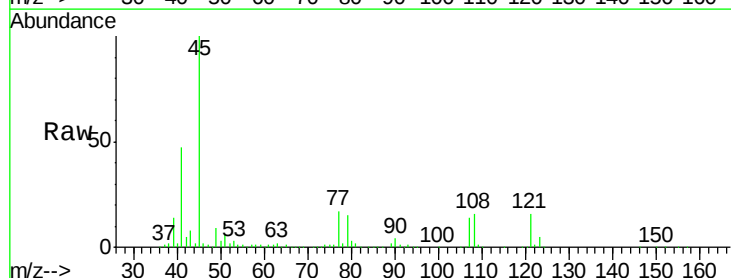
Tgt Ion: 45 Resp: 994839

Ion Ratio Lower Upper

45 100

77 16.9 0.0 36.4

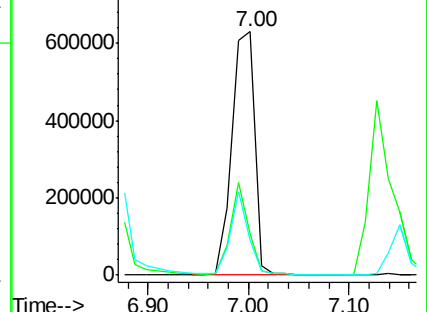
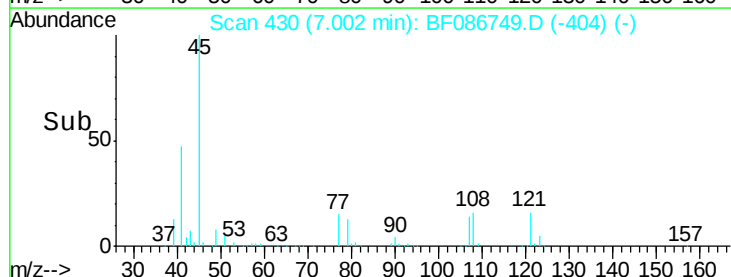
79 14.6 0.0 33.4

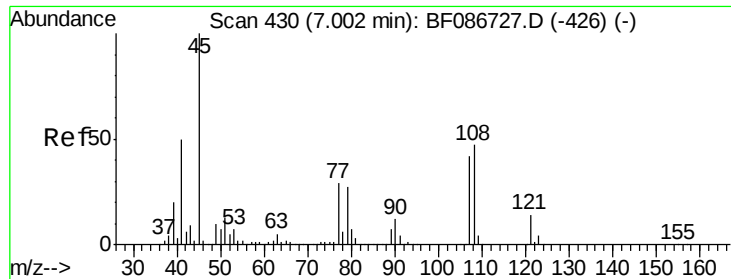


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 38.90 ng

RT: 6.99 min Scan# 429

Delta R.T. -0.01 min

Lab File: BF086749.D

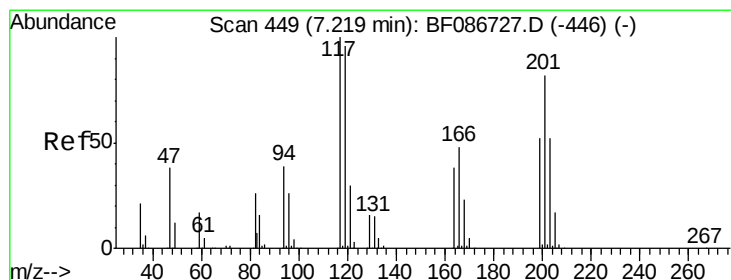
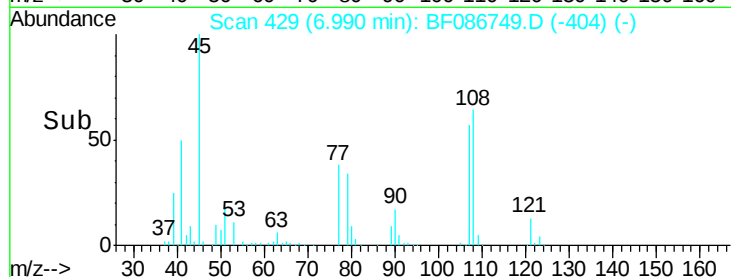
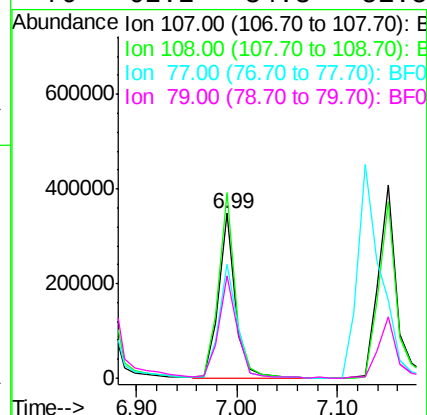
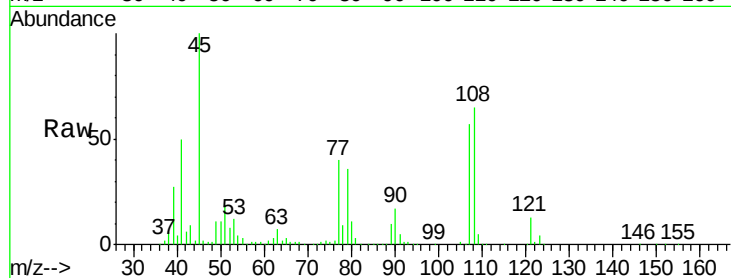
Acq: 7 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	107	Resp:	403303
Ion	Ratio	Lower	Upper
107	100		
108	112.9	93.7	140.5
77	69.3	33.4	50.0#
79	62.2	34.3	51.5#



#18

Hexachloroethane

Concen: 37.30 ng

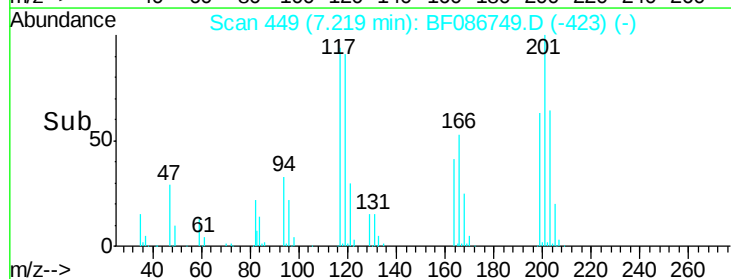
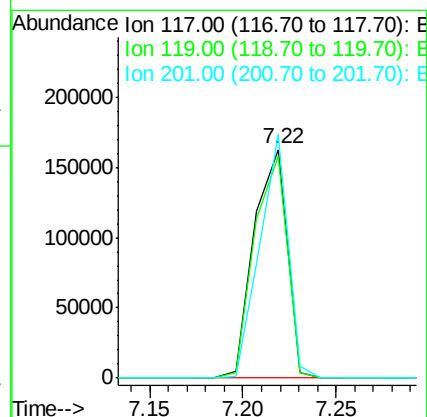
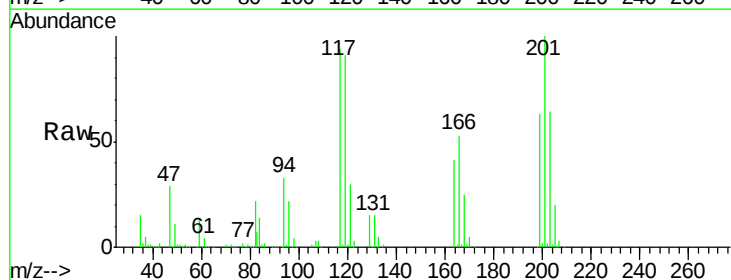
RT: 7.22 min Scan# 449

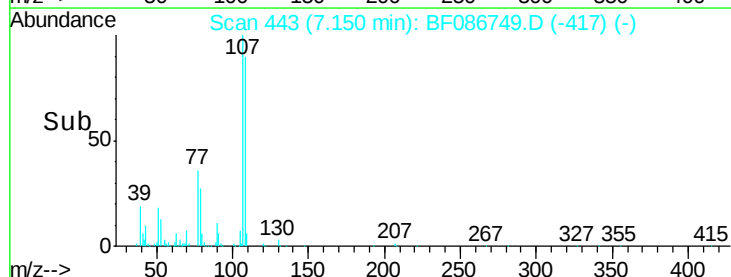
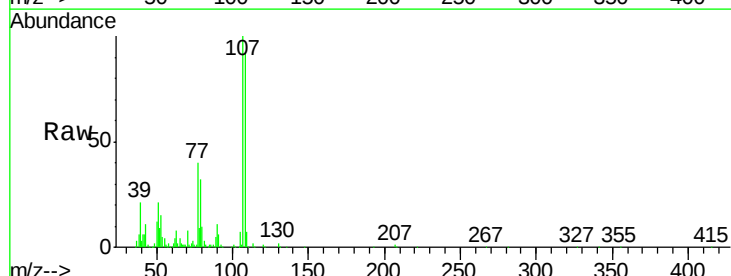
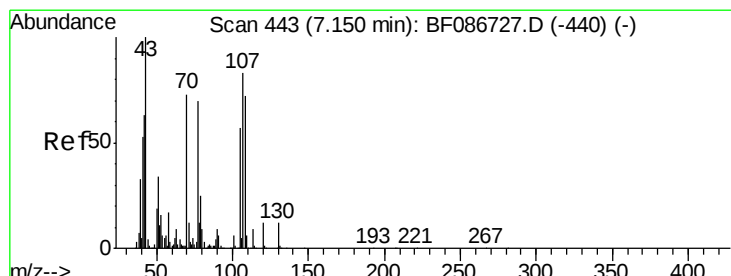
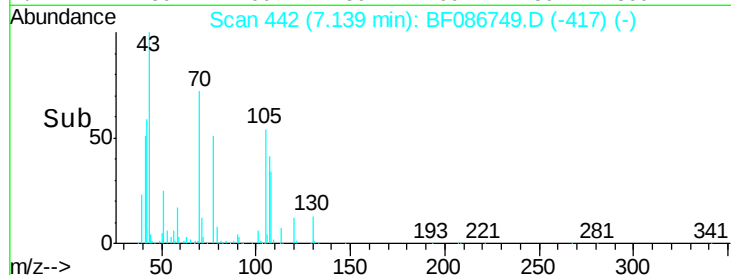
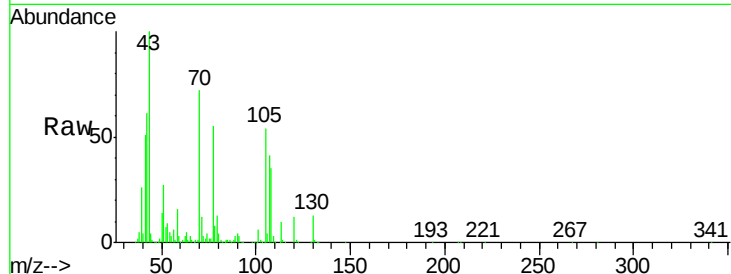
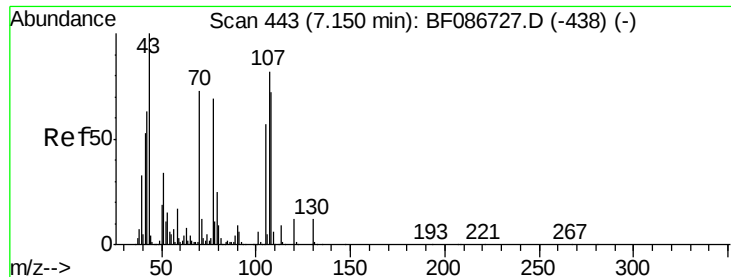
Delta R.T. 0.00 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Tgt Ion:	117	Resp:	199069
Ion	Ratio	Lower	Upper
117	100		
119	97.2	76.5	114.7
201	106.6	63.0	94.6#

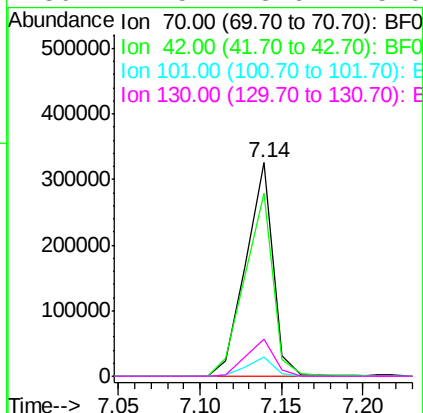




#19
n-Nitroso-di-n-propylamine
Concen: 38.26 ng
RT: 7.14 min Scan# 442
Delta R.T. -0.01 min
Lab File: BF086749.D
Acq: 7 May 2016 3:16

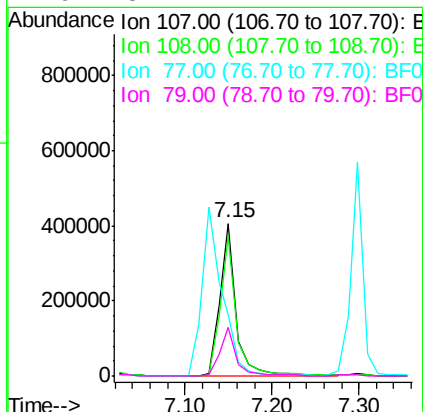
Instrument :
BNA_F
ClientSampled :

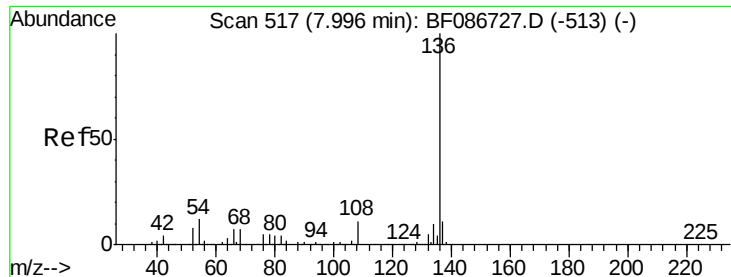
Tot Ion	Ratio	Lower	Upper
70	100		
42	85.5	43.1	64.7#
101	8.9	8.1	12.1
130	17.5	18.6	28.0#



#20
3+4-Methylphenols
Concen: 43.49 ng
RT: 7.15 min Scan# 443
Delta R.T. 0.00 min
Lab File: BF086749.D
Acq: 7 May 2016 3:16

Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.5	68.5	108.5
77	40.4	101.6	141.6#
79	32.2	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: BF086749.D

Acq: 7 May 2016 3:16

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 745342

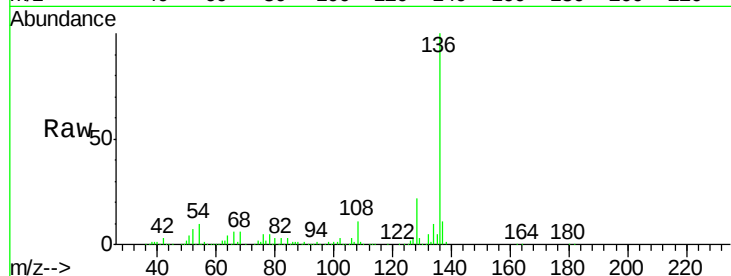
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 10.2 5.0 7.4#

68 5.7 4.4 6.6

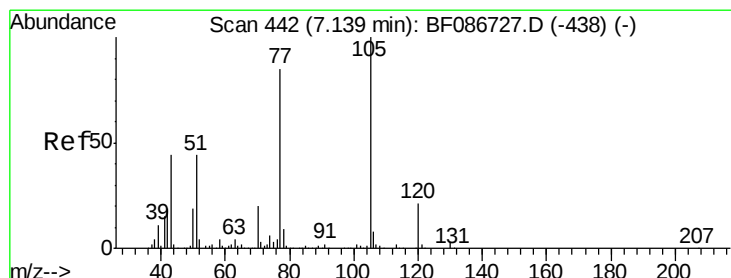
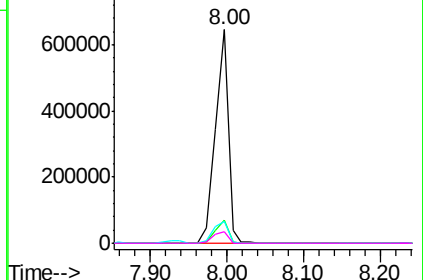
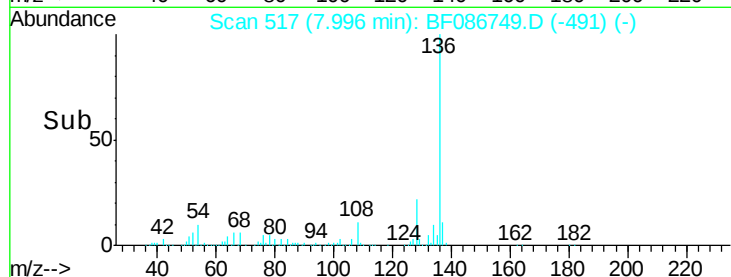


Abundance Ion 136.00 (135.70 to 136.70): E

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: 39.02 ng

RT: 7.13 min Scan# 441

Delta R.T. -0.01 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Tgt Ion:105 Resp: 677691

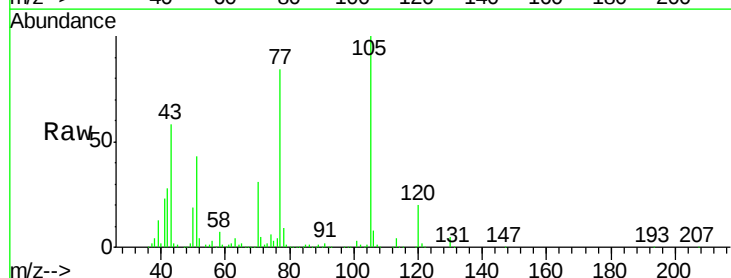
Ion Ratio Lower Upper

105 100

71 5.2 4.8 7.2

51 42.7 32.6 49.0

120 20.3 16.5 24.7

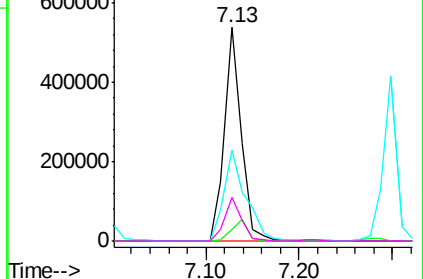
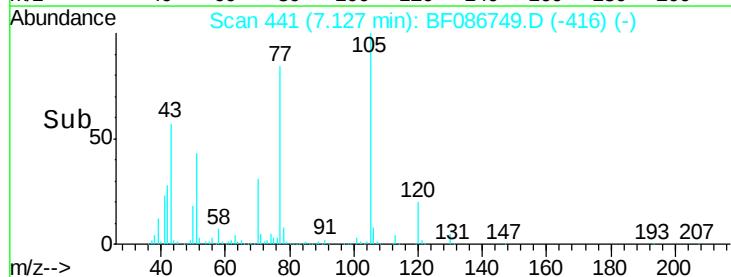


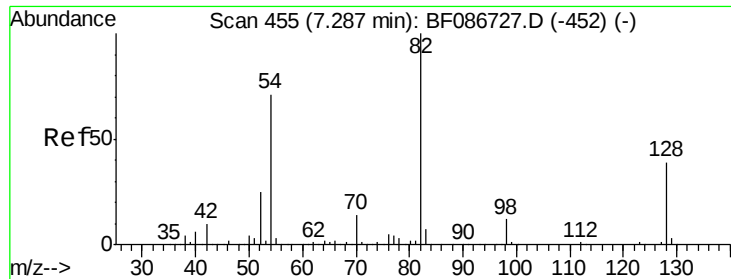
Abundance Ion 105.00 (104.70 to 105.70): E

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

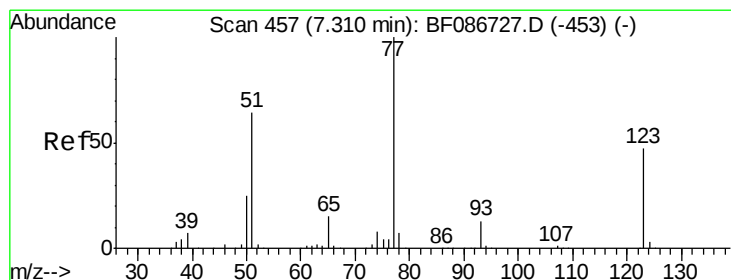
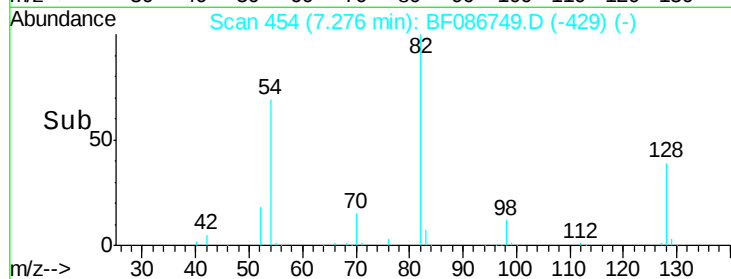
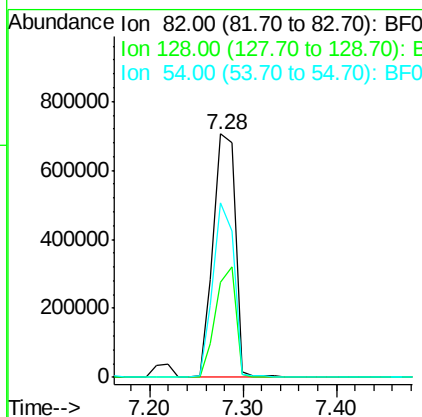
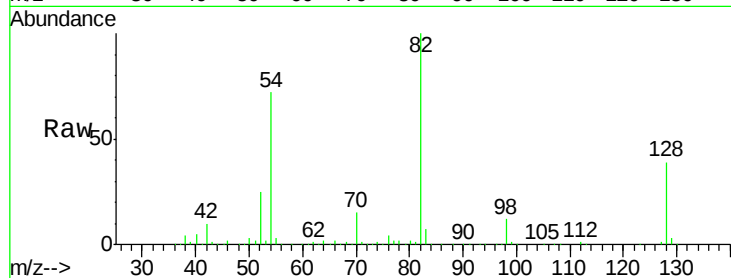




#23
 Nitrobenzene-d5
 Concen: 81.18 ng
 RT: 7.28 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: BF086749.D
 Acq: 7 May 2016 3:16

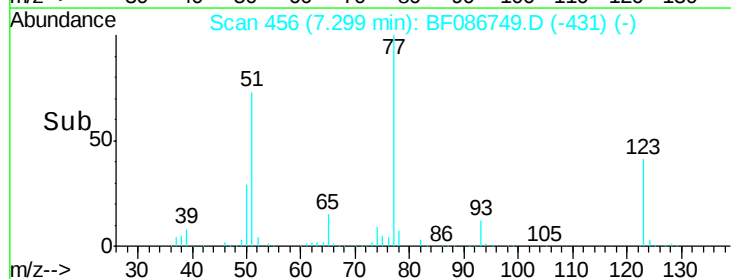
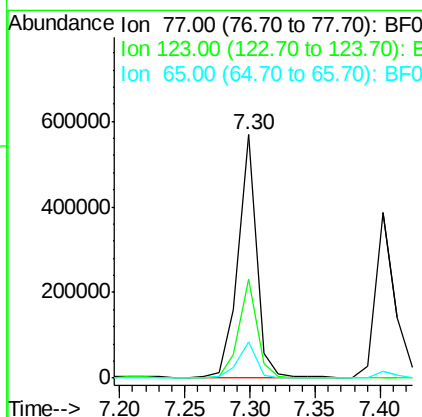
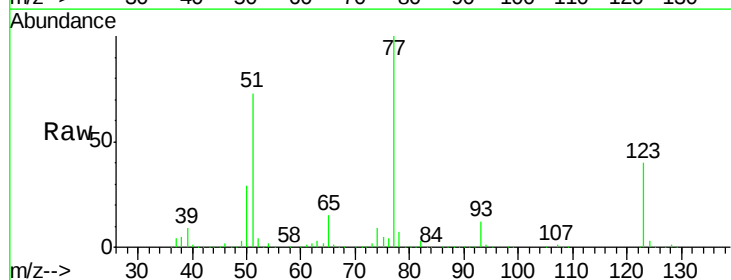
Instrument :
 BNA_F
 ClientSampled :

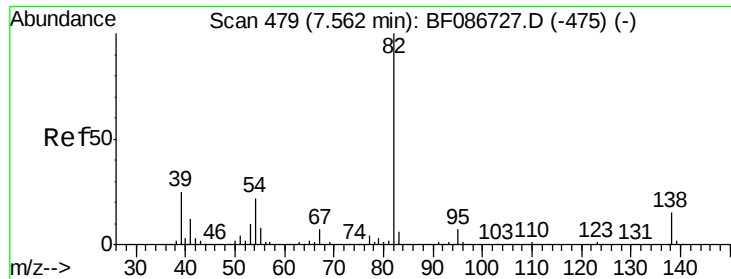
Tot Ion: 82 Resp: 1177460
 Ion Ratio Lower Upper
 82 100
 128 39.2 40.6 61.0#
 54 71.8 38.1 57.1#



#24
 Nitrobenzene
 Concen: 36.85 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: BF086749.D
 Acq: 7 May 2016 3:16

Tgt Ion: 77 Resp: 552580
 Ion Ratio Lower Upper
 77 100
 123 40.4 33.0 49.4
 65 15.0 10.8 16.2





#25

Isophorone

Concen: 37.03 ng

RT: 7.55 min Scan# 478

Delta R.T. -0.01 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Instrument :

BNA_F

ClientSampled :

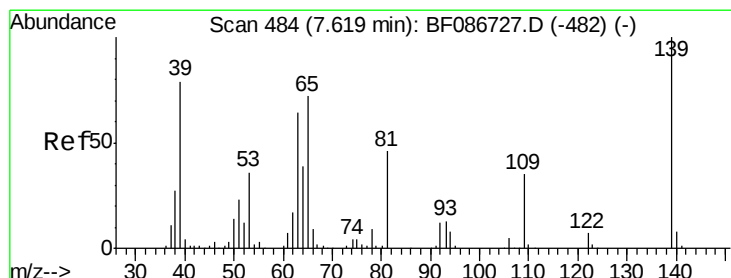
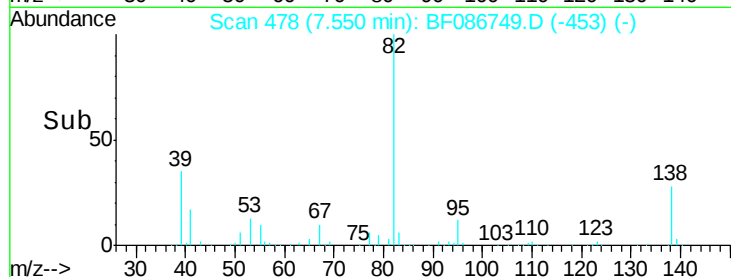
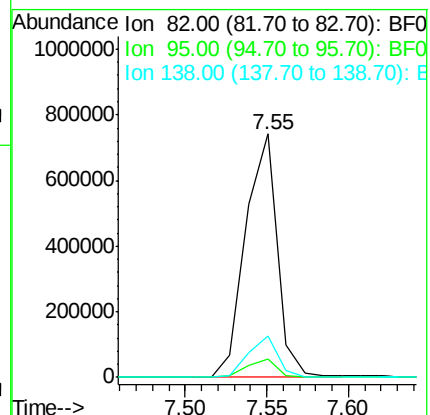
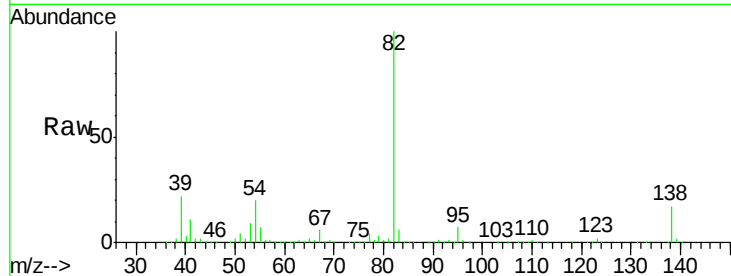
Tot Ion: 82 Resp: 1000151

Ion Ratio Lower Upper

82 100

95 7.5 5.1 7.7

138 17.2 12.4 18.6



#26

2-Nitrophenol

Concen: 40.77 ng

RT: 7.62 min Scan# 484

Delta R.T. 0.00 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

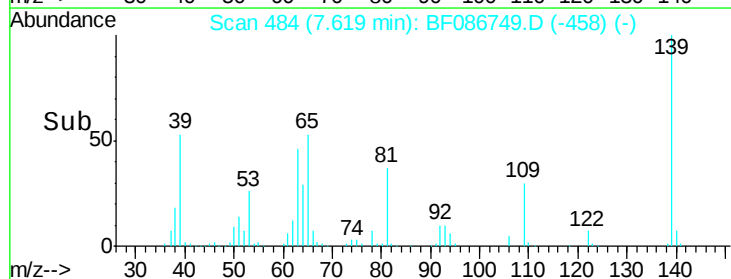
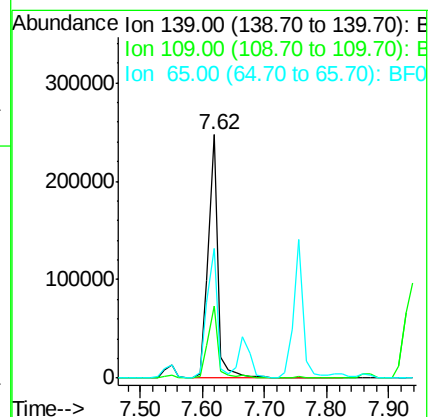
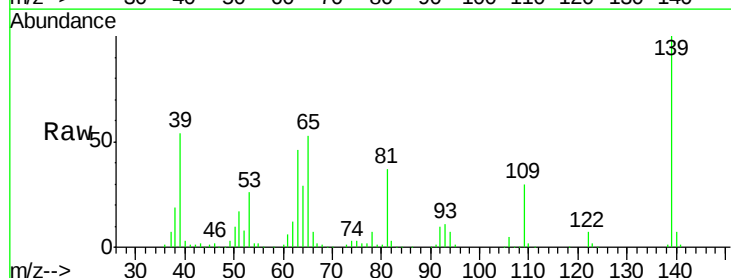
Tgt Ion: 139 Resp: 272779

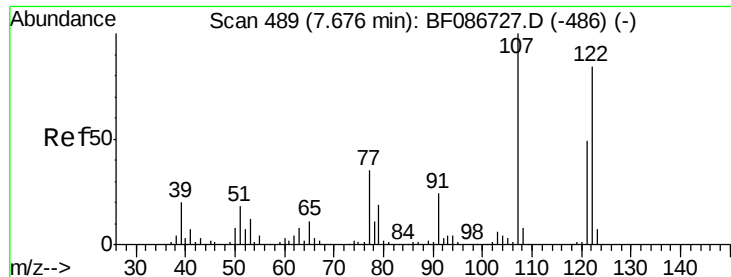
Ion Ratio Lower Upper

139 100

109 29.7 19.5 29.3#

65 53.4 37.5 56.3





#27

2,4-Dimethylphenol

Concen: 36.62 ng

RT: 7.66 min Scan# 488

Delta R.T. -0.01 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Instrument :

BNA_F

ClientSampled :

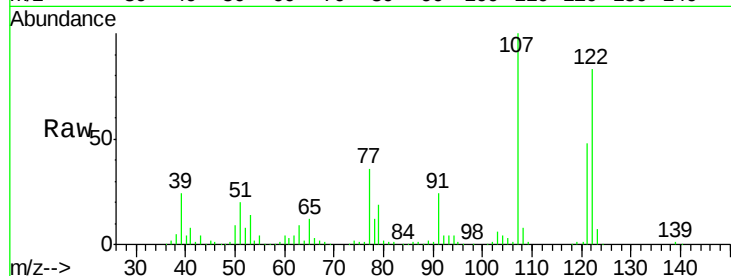
Tot Ion:122 Resp: 430216

Ion Ratio Lower Upper

122 100

107 120.8 82.0 123.0

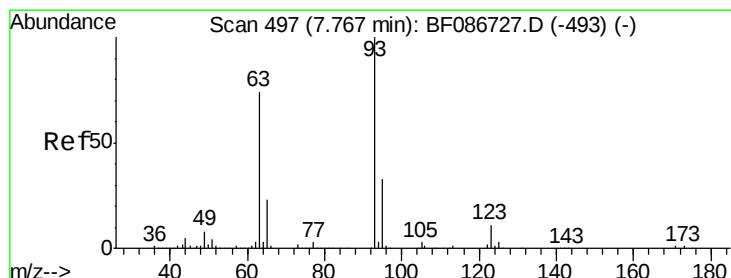
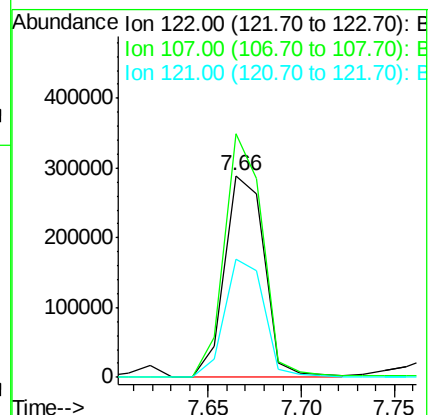
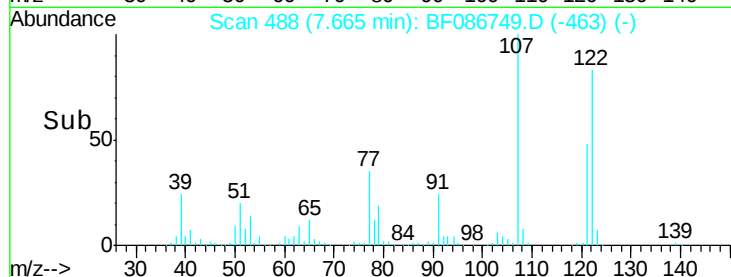
121 58.4 46.1 69.1



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: 40.52 ng

RT: 7.76 min Scan# 496

Delta R.T. -0.01 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

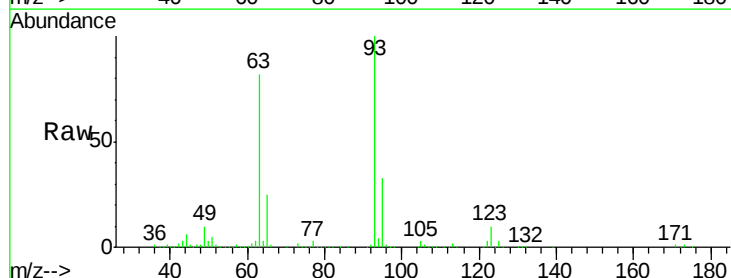
Tgt Ion: 93 Resp: 602450

Ion Ratio Lower Upper

93 100

95 32.5 26.0 39.0

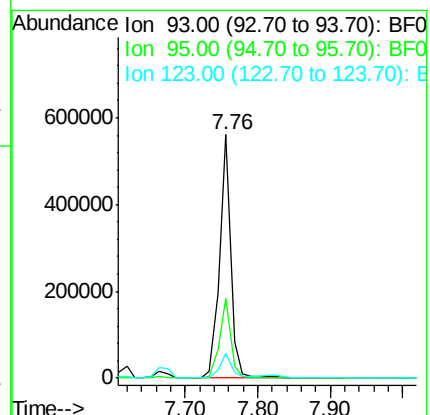
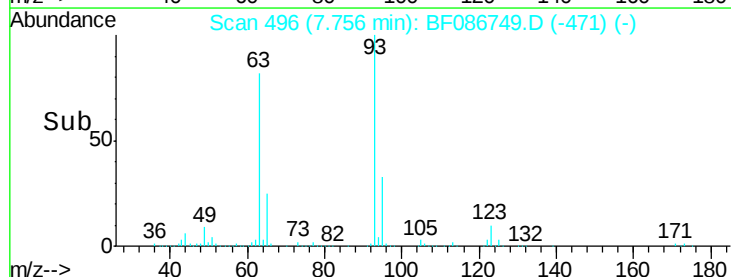
123 10.1 9.5 14.3

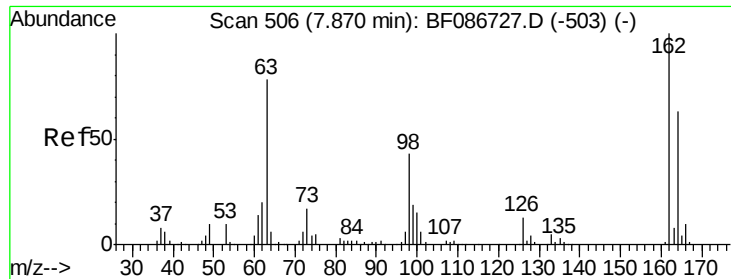


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

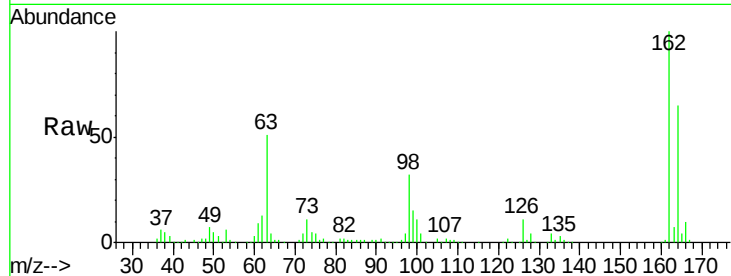




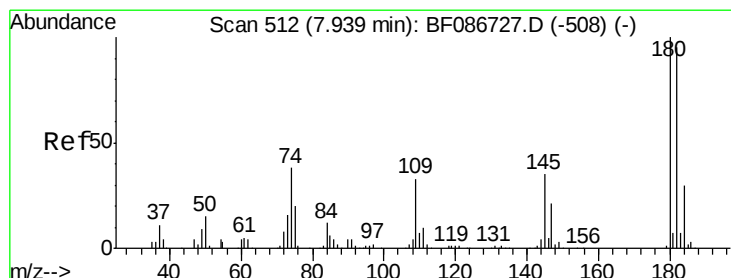
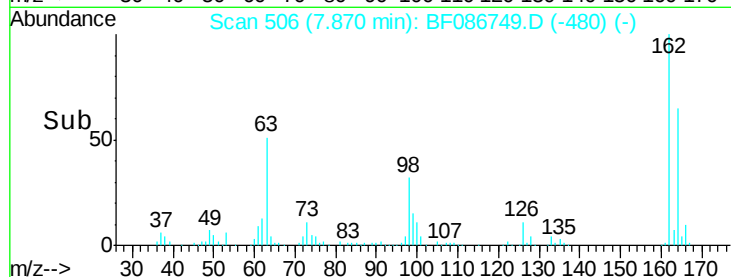
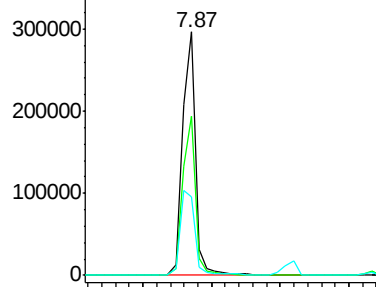
#29
 2,4-Dichlorophenol
 Concen: 39.32 ng
 RT: 7.87 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: BF086749.D
 Acq: 7 May 2016 3:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
164	65.4	42.2	82.2
98	32.4	19.0	59.0

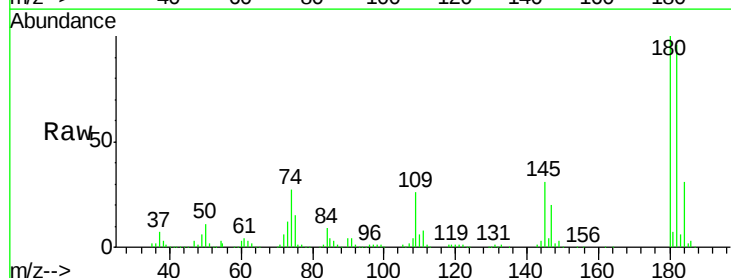


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

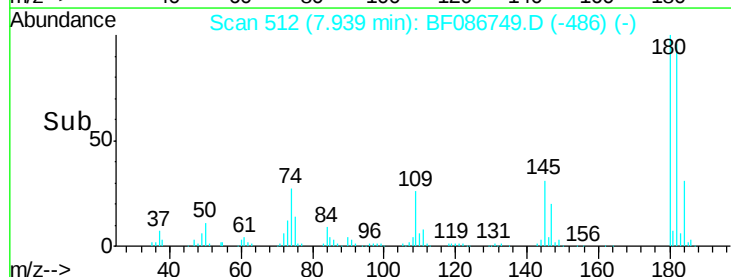
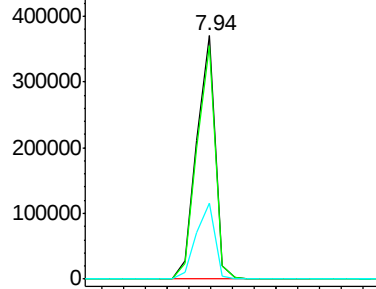


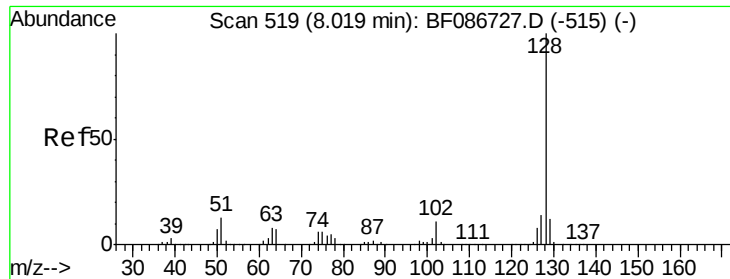
#30
 1,2,4-Trichlorobenzene
 Concen: 38.56 ng
 RT: 7.94 min Scan# 512
 Delta R.T. 0.00 min
 Lab File: BF086749.D
 Acq: 7 May 2016 3:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	78.0	117.0
145	31.3	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

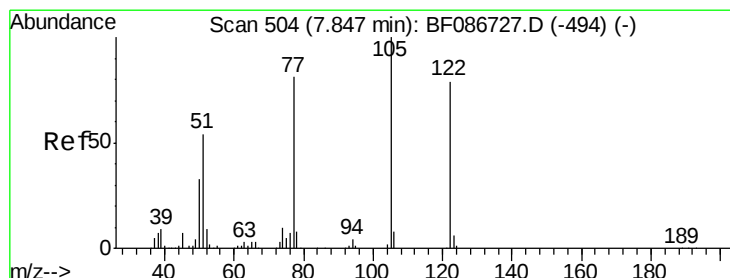
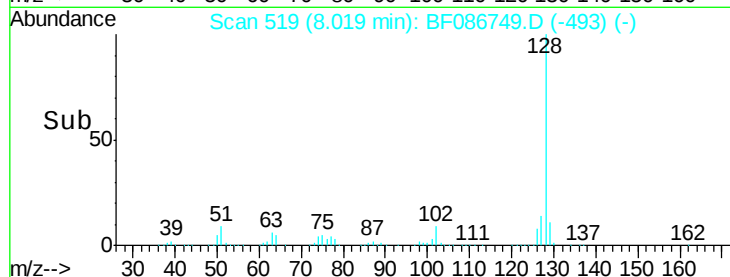
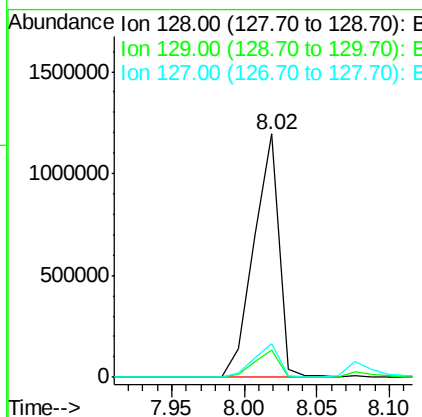
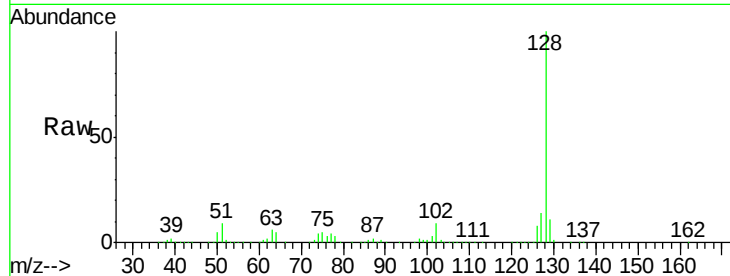




#31
Naphthalene
Concen: 37.79 ng
RT: 8.02 min Scan# 519
Delta R.T. 0.00 min
Lab File: BF086749.D
Acq: 7 May 2016 3:16

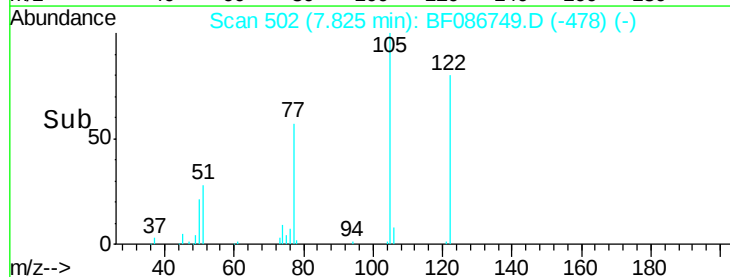
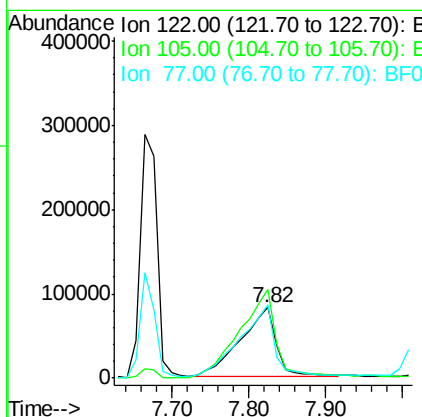
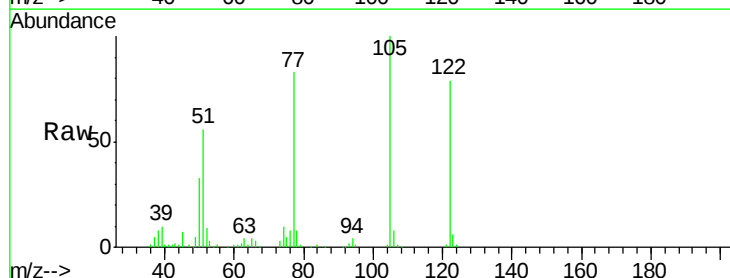
Instrument :
BNA_F
ClientSampleId :

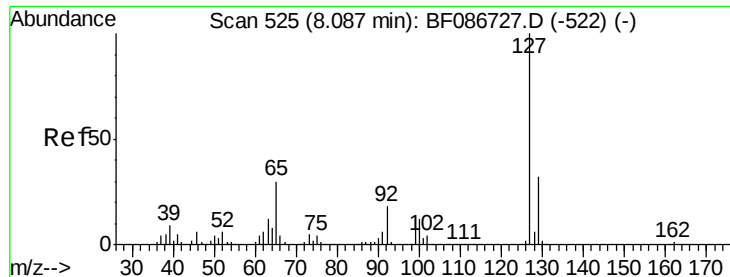
Tot Ion:128 Resp: 1438976
Ion Ratio Lower Upper
128 100
129 11.1 8.6 13.0
127 13.7 10.8 16.2



#32
Benzoic acid
Concen: 56.86 ng
RT: 7.82 min Scan# 502
Delta R.T. -0.02 min
Lab File: BF086749.D
Acq: 7 May 2016 3:16

Tgt Ion:122 Resp: 269274
Ion Ratio Lower Upper
122 100
105 125.9 92.6 132.6
77 104.1 60.0 100.0#

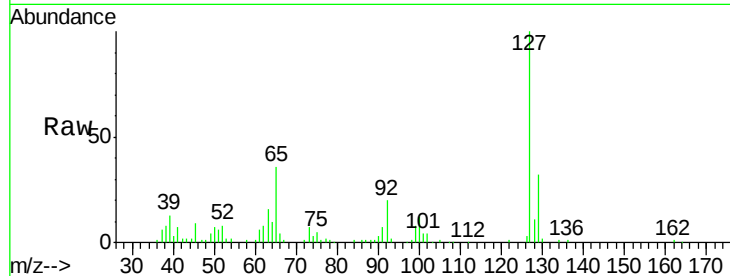




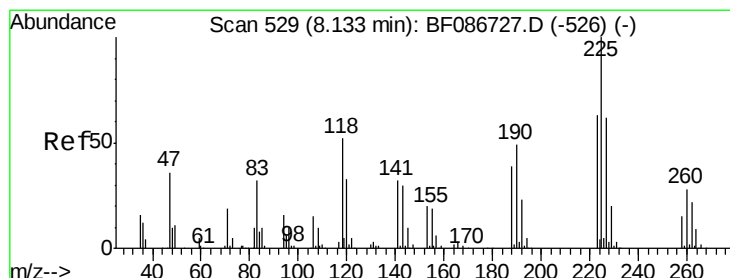
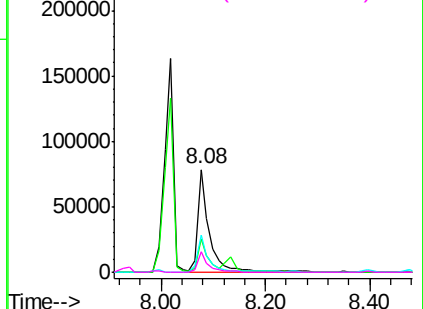
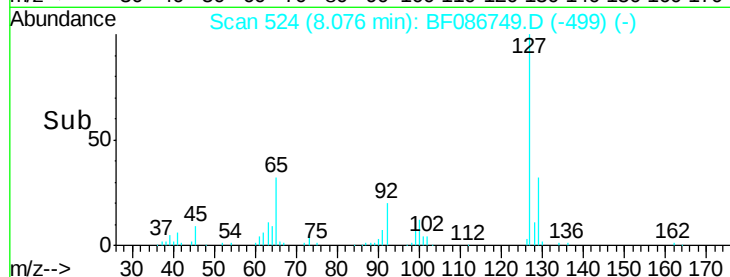
#33
4-Chloroaniline
Concen: 8.15 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.01 min
Lab File: BF086749.D
Acq: 7 May 2016 3:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:	127	Resp:	120162
Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.2	39.4
65	35.6	23.0	34.4
92	20.4	15.1	22.7

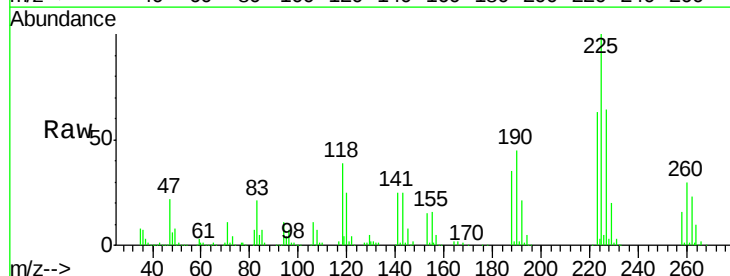


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

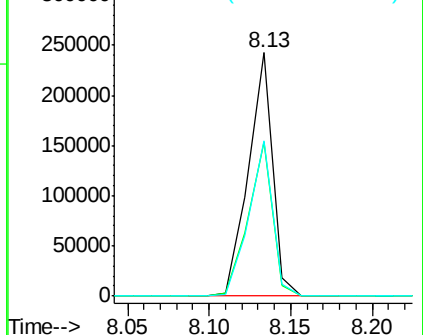
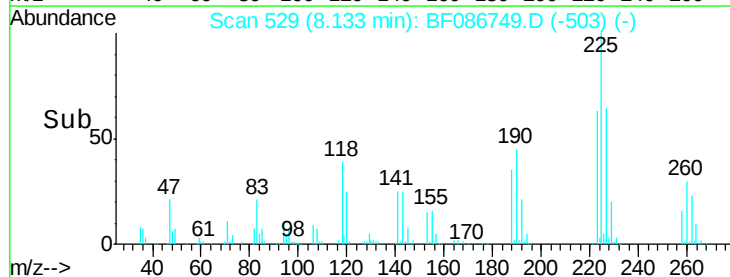


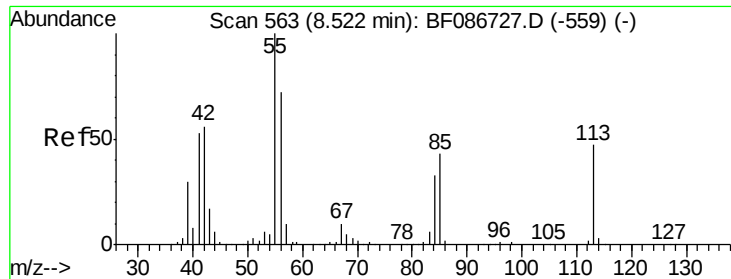
#34
Hexachlorobutadiene
Concen: 38.99 ng
RT: 8.13 min Scan# 529
Delta R.T. 0.00 min
Lab File: BF086749.D
Acq: 7 May 2016 3:16

Tgt Ion:	225	Resp:	249448
Ion	Ratio	Lower	Upper
225	100		
223	63.2	51.5	77.3
227	63.7	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: 18.49 ng

RT: 8.53 min Scan# 564

Delta R.T. 0.01 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

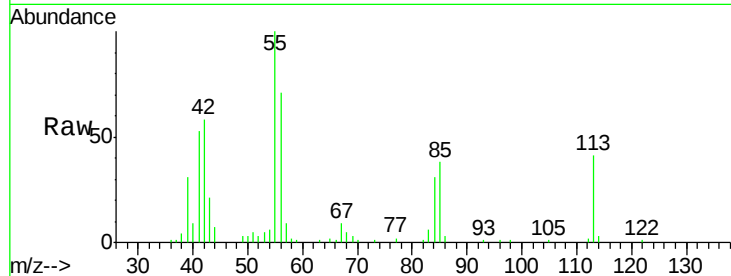
Tot Ion:113 Resp: 57819

Ion Ratio Lower Upper

113 100

55 245.7 162.0 202.0#

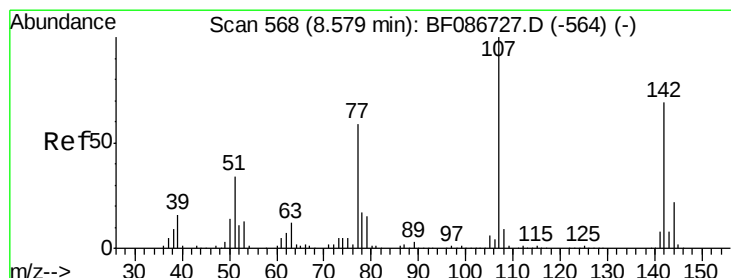
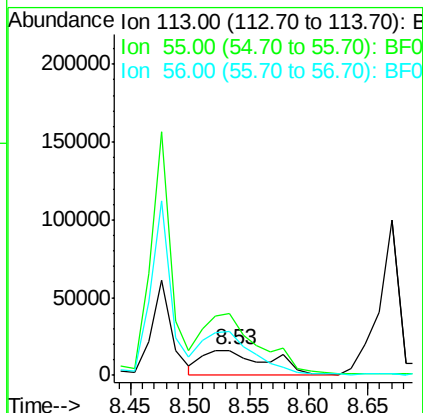
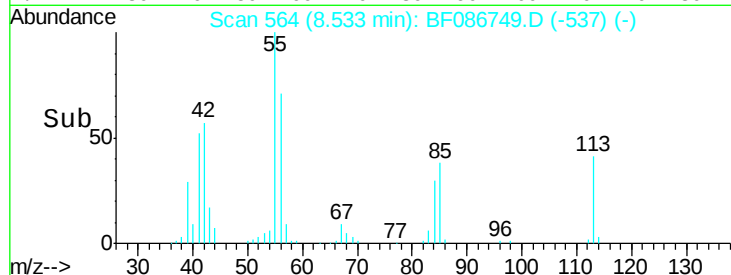
56 175.5 115.3 155.3#



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: 38.56 ng

RT: 8.58 min Scan# 568

Delta R.T. 0.00 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

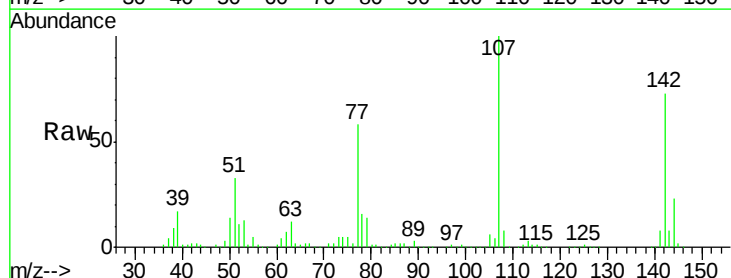
Tgt Ion:107 Resp: 444430

Ion Ratio Lower Upper

107 100

144 23.1 20.7 31.1

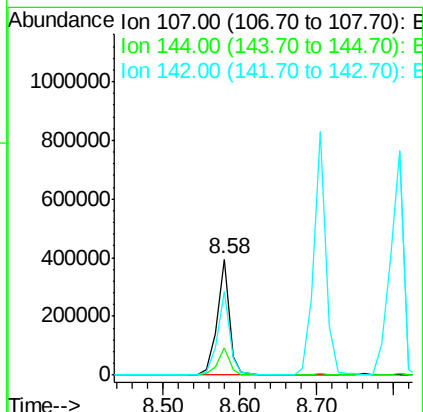
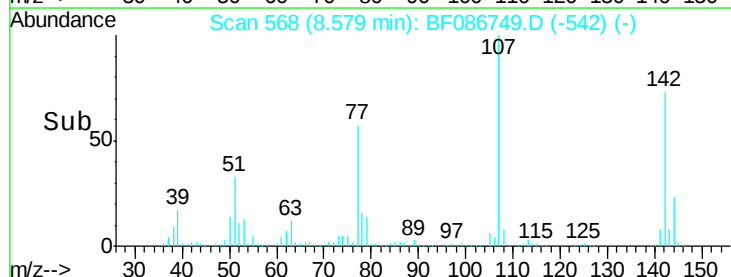
142 72.6 63.2 94.8

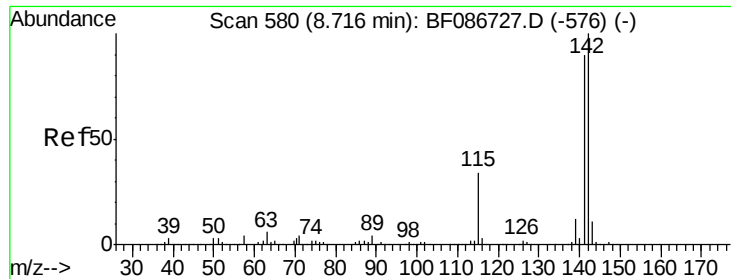


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

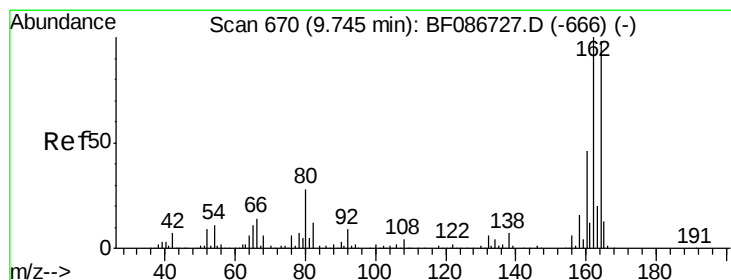
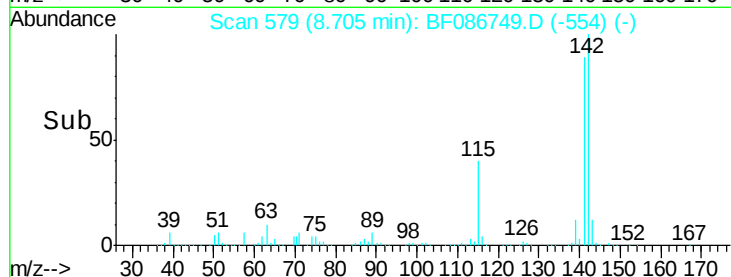
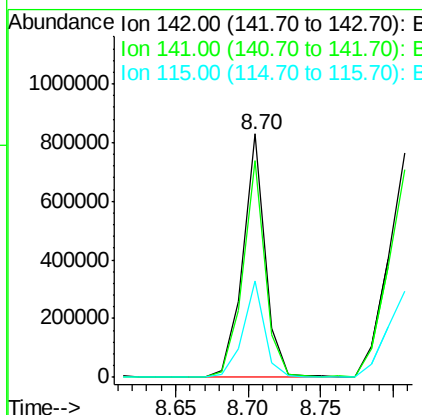
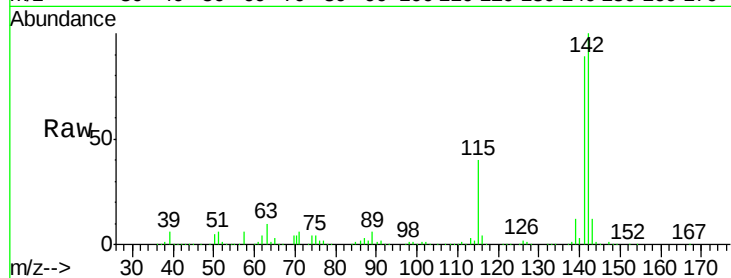




#37
2-Methylnaphthalene
Concen: 39.36 ng
RT: 8.70 min Scan# 579
Delta R.T. -0.01 min
Lab File: BF086749.D
Acq: 7 May 2016 3:16

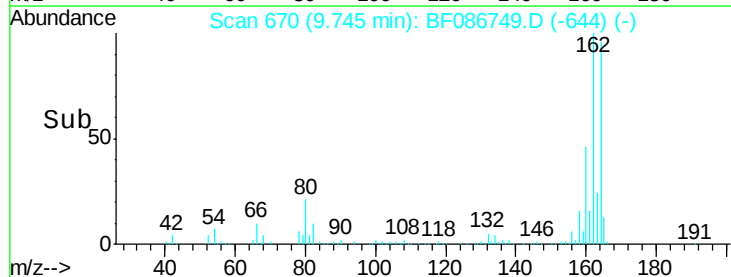
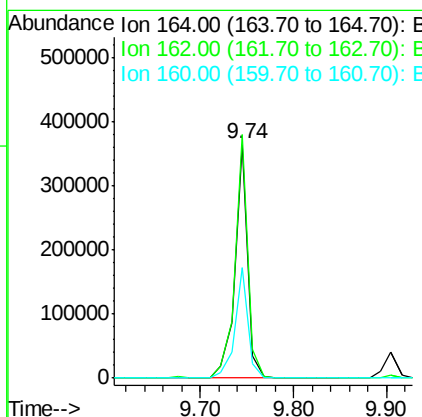
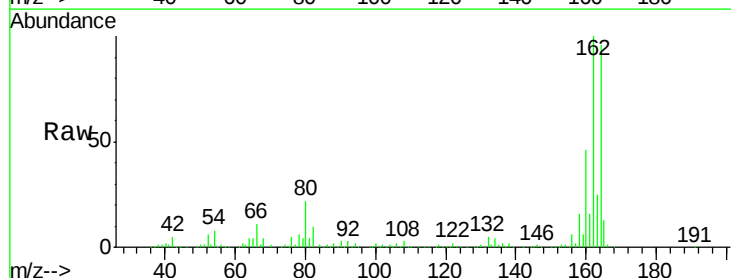
Instrument :
BNA_F
ClientSampleId :

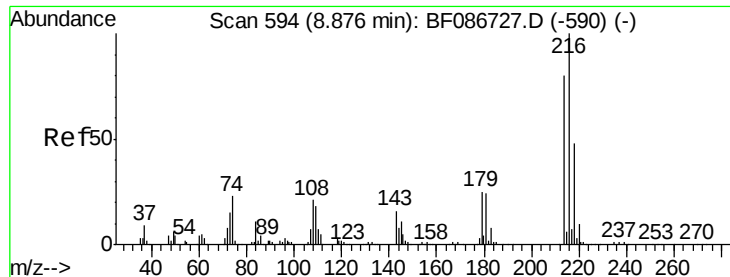
Tot Ion:142 Resp: 884192
Ion Ratio Lower Upper
142 100
141 88.8 71.0 106.6
115 39.7 26.6 39.8



#38
Acenaphthene-d10
Concen: 40.00 ng
RT: 9.74 min Scan# 670
Delta R.T. 0.00 min
Lab File: BF086749.D
Acq: 7 May 2016 3:16

Tgt Ion:164 Resp: 349376
Ion Ratio Lower Upper
164 100
162 104.1 82.8 124.2
160 47.5 36.9 55.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 39.65 ng

RT: 8.88 min Scan# 594

Delta R.T. 0.00 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion:216 Resp: 400934

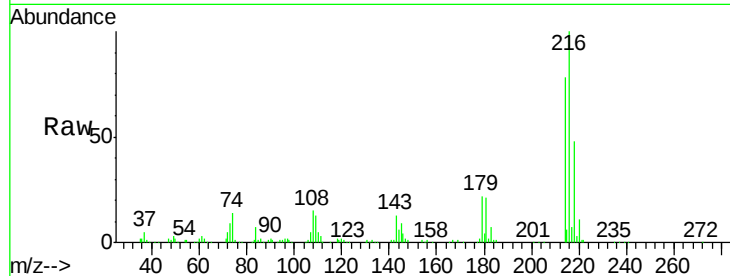
Ion Ratio Lower Upper

216 100

214 78.4 62.6 93.8

179 23.1 18.2 27.4

108 25.0 17.5 26.3

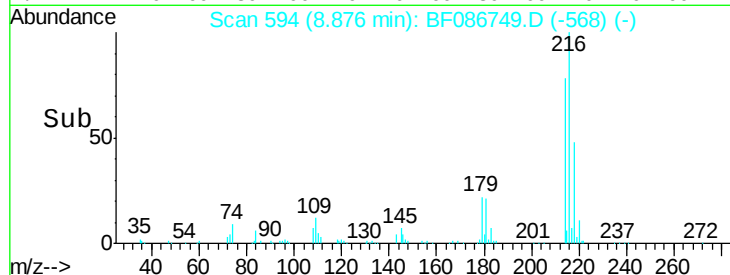


Abundance Ion 216.00 (215.70 to 216.70): E

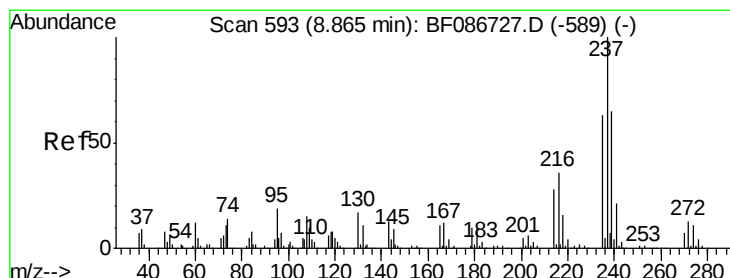
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time-->



#40

Hexachlorocyclopentadiene

Concen: 99.66 ng

RT: 8.85 min Scan# 592

Delta R.T. -0.01 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

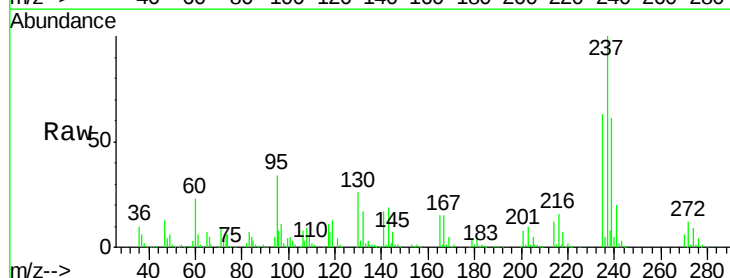
Tgt Ion:237 Resp: 472151

Ion Ratio Lower Upper

237 100

235 62.7 47.2 87.2

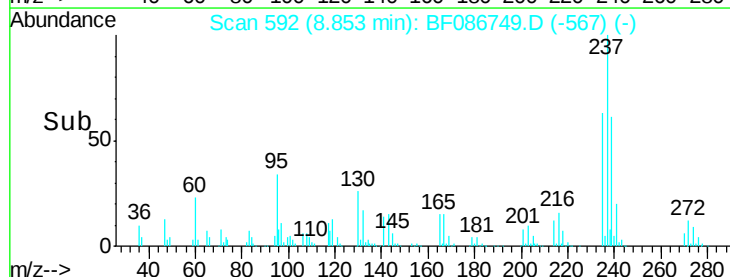
272 11.8 0.0 31.1



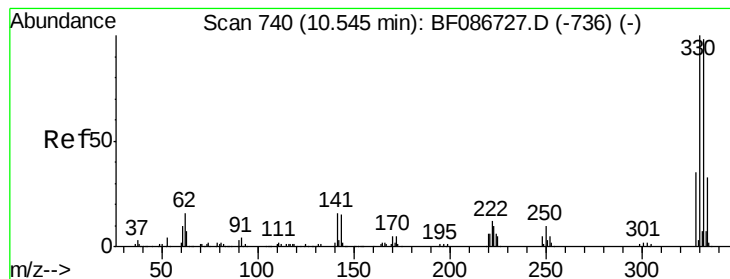
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



Time-->



#41

2,4,6-Tribromophenol

Concen: 122.98 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

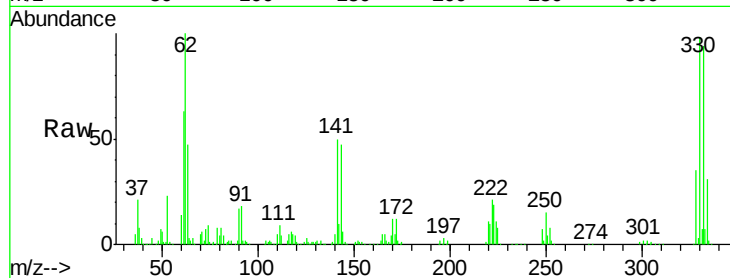
Tot Ion:330 Resp: 420307

Ion Ratio Lower Upper

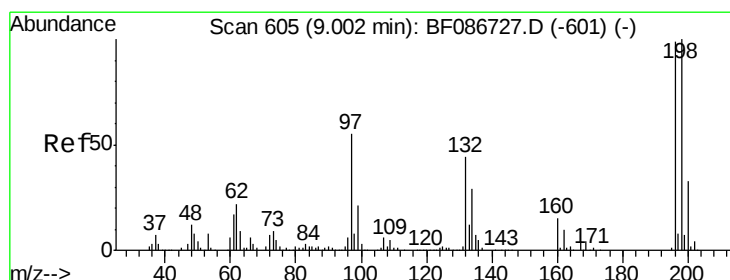
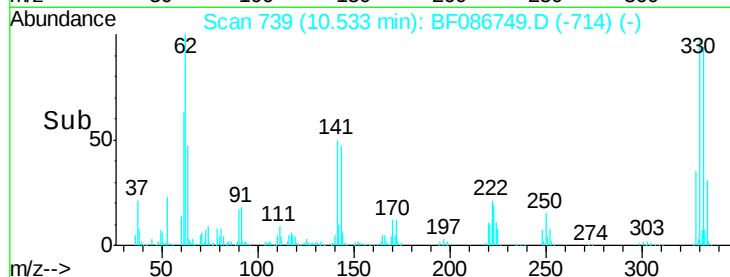
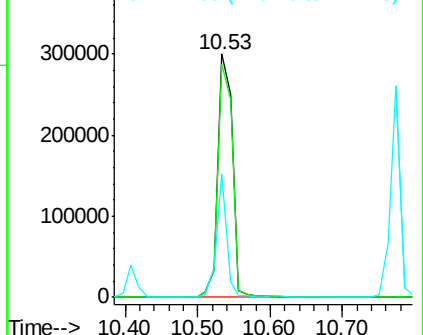
330 100

332 96.6 79.0 118.4

141 35.8 31.2 46.8



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



#42

2,4,6-Trichlorophenol

Concen: 41.47 ng

RT: 8.99 min Scan# 604

Delta R.T. -0.01 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

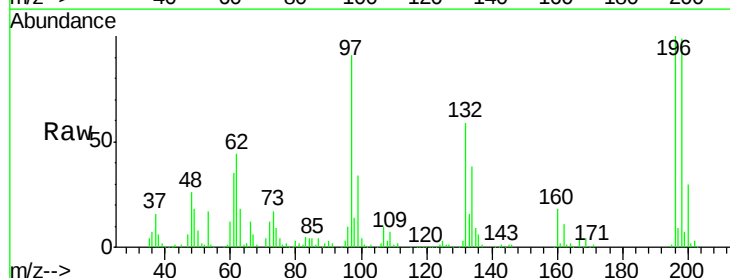
Tgt Ion:196 Resp: 266685

Ion Ratio Lower Upper

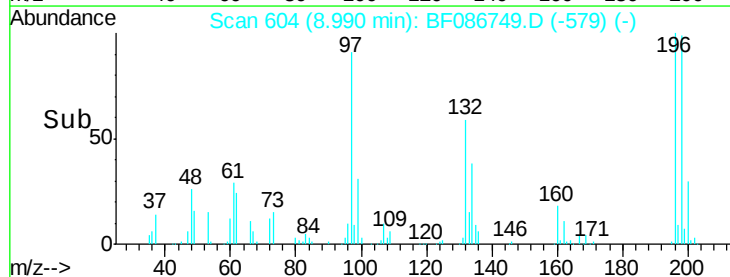
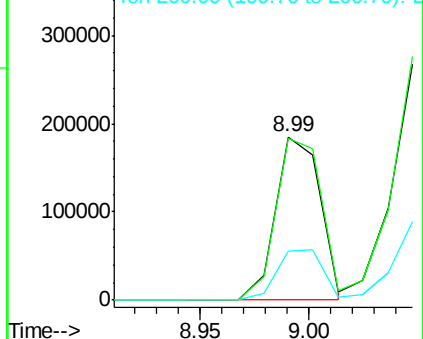
196 100

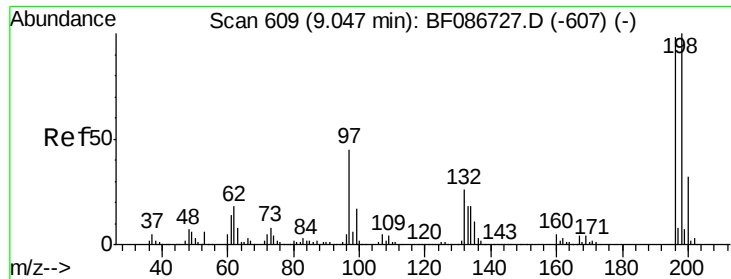
198 99.2 74.7 112.1

200 30.4 23.8 35.6



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

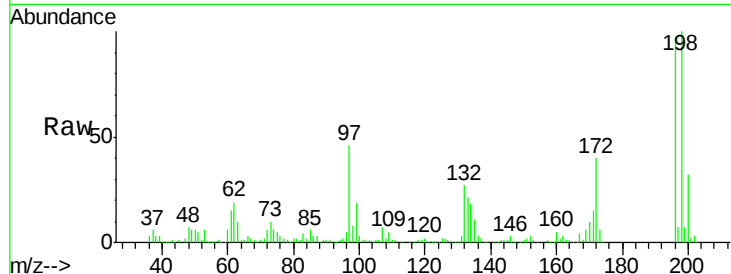




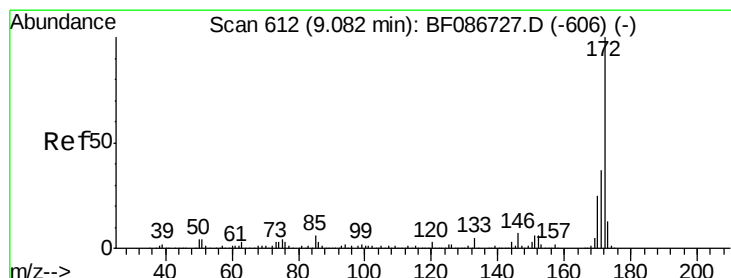
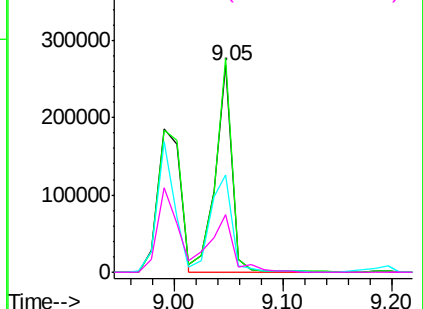
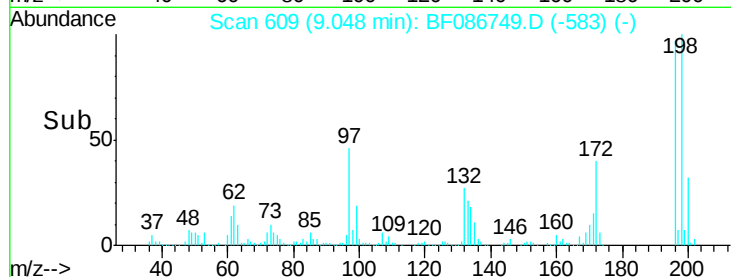
#43
 2,4,5-Trichlorophenol
 Concen: 42.73 ng
 RT: 9.05 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: BF086749.D
 Acq: 7 May 2016 3:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:196 Resp: 287061
 Ion Ratio Lower Upper
 196 100
 198 103.0 77.5 116.3
 97 47.0 34.8 52.2
 132 27.6 23.0 34.4

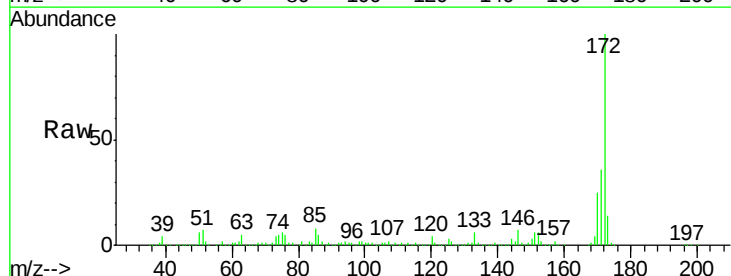


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

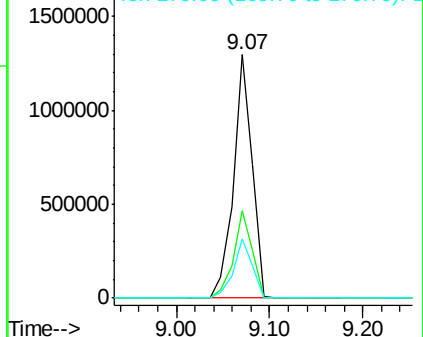
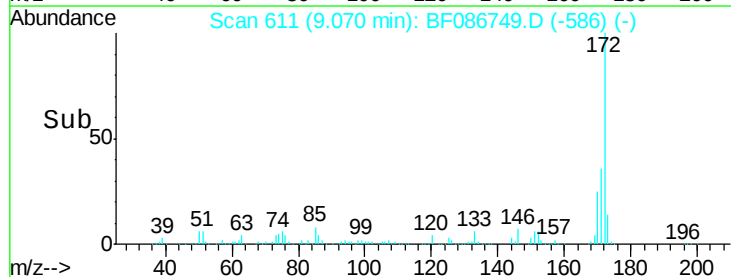


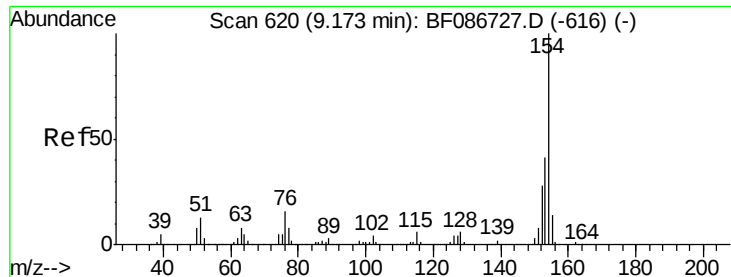
#44
 2-Fluorobiphenyl
 Concen: 84.47 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF086749.D
 Acq: 7 May 2016 3:16

Tgt Ion:172 Resp: 1800437
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.0 43.6
 170 24.5 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

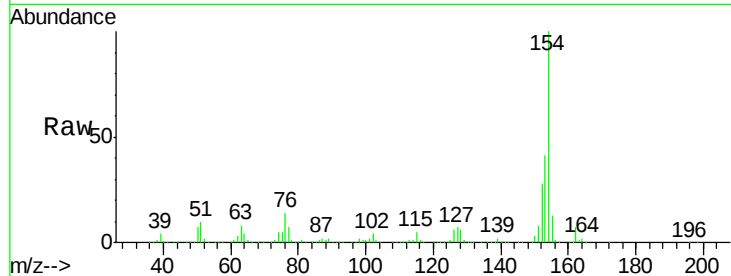




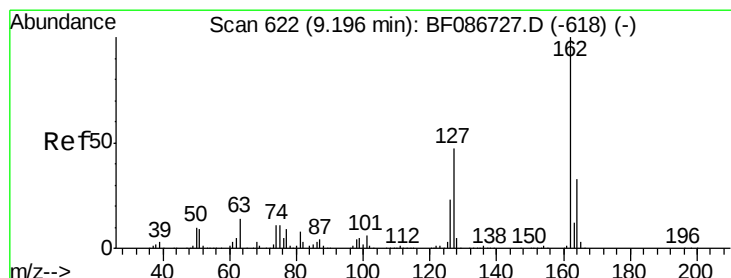
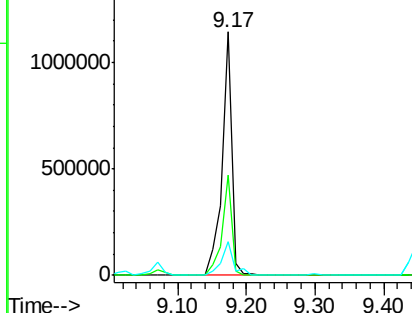
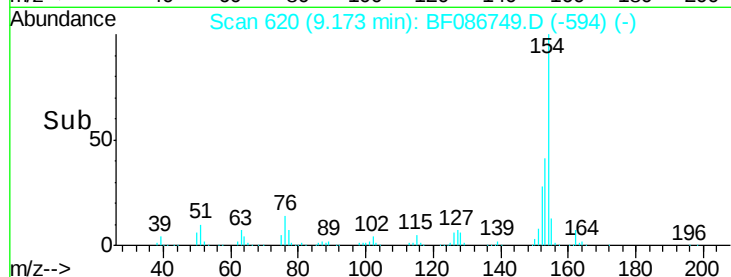
#45
 1,1'-Biphenyl
 Concen: 40.41 ng
 RT: 9.17 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: BF086749.D
 Acq: 7 May 2016 3:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:154 Resp: 1154206
 Ion Ratio Lower Upper
 154 100
 153 41.2 20.3 60.3
 76 13.7 0.0 30.2

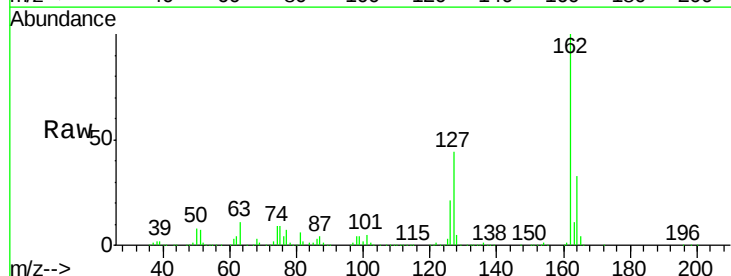


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

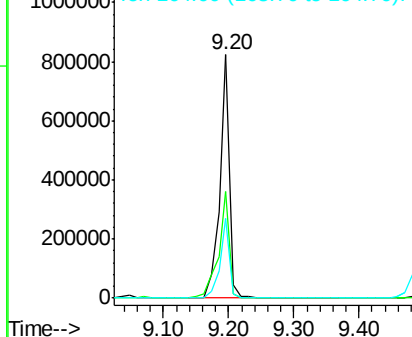
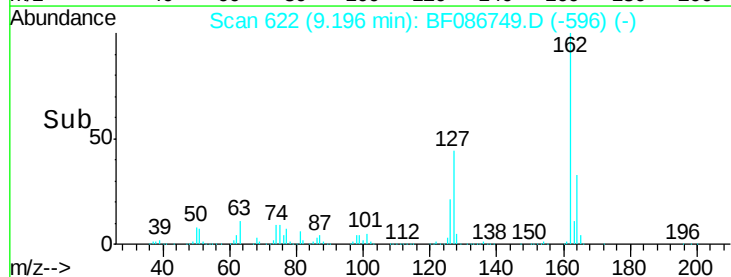


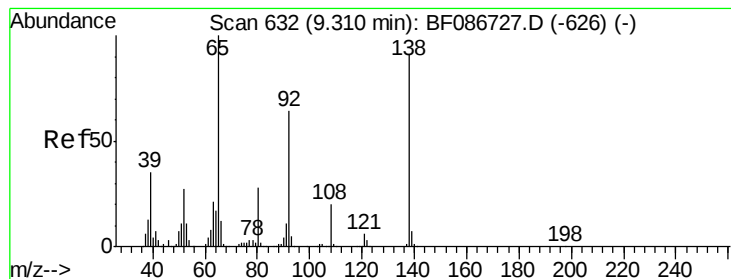
#46
 2-Chloronaphthalene
 Concen: 39.19 ng
 RT: 9.20 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BF086749.D
 Acq: 7 May 2016 3:16

Tgt Ion:162 Resp: 863855
 Ion Ratio Lower Upper
 162 100
 127 43.7 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: 36.75 ng

RT: 9.30 min Scan# 631

Delta R.T. -0.01 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

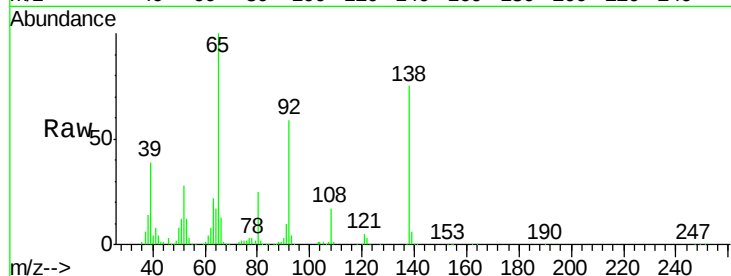
Tot Ion: 65 Resp: 287956

Ion Ratio Lower Upper

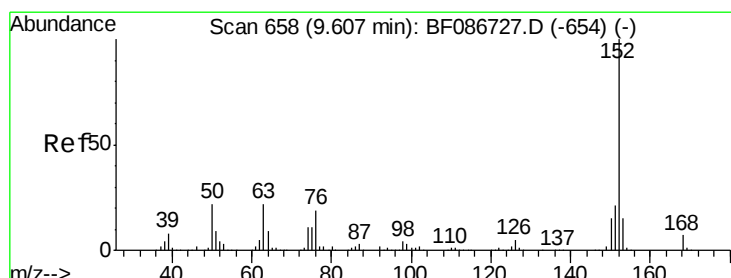
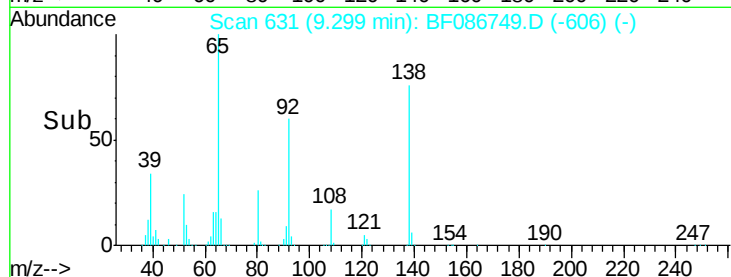
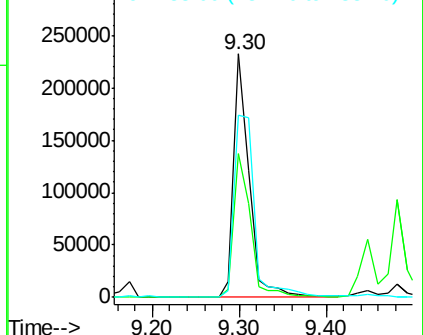
65 100

92 58.8 57.4 86.2

138 75.0 90.1 135.1#



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



#48

Acenaphthylene

Concen: 38.18 ng

RT: 9.61 min Scan# 658

Delta R.T. 0.00 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

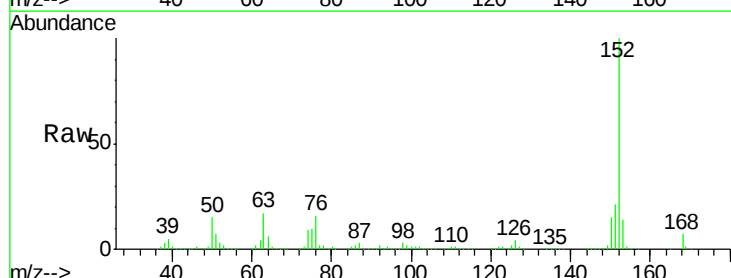
Tgt Ion: 152 Resp: 1249375

Ion Ratio Lower Upper

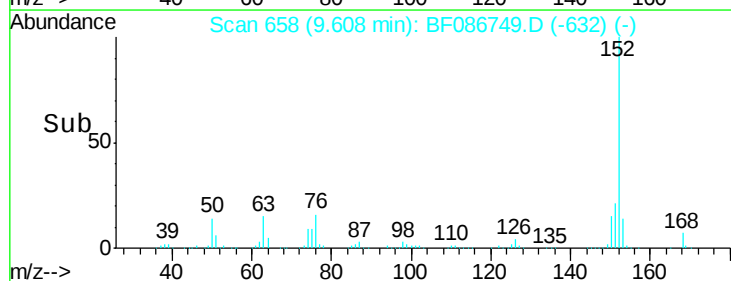
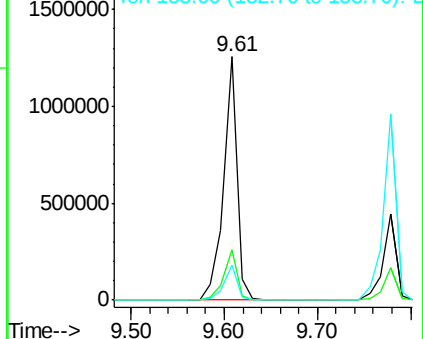
152 100

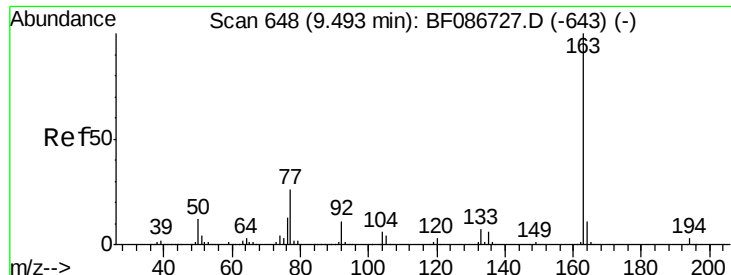
151 20.8 16.8 25.2

153 14.2 10.9 16.3



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

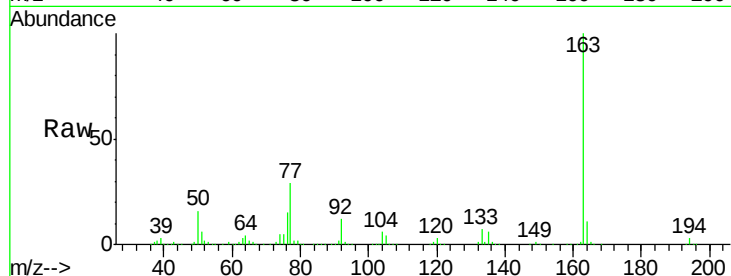




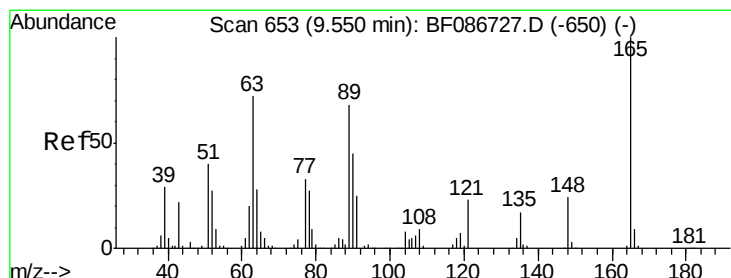
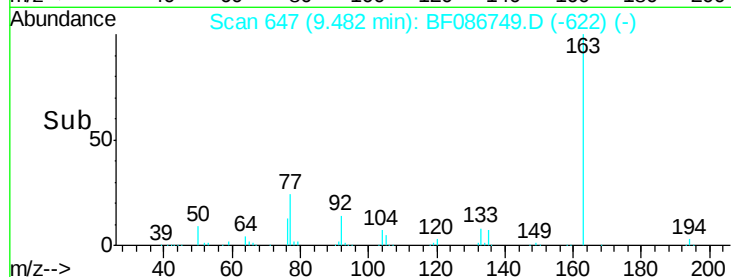
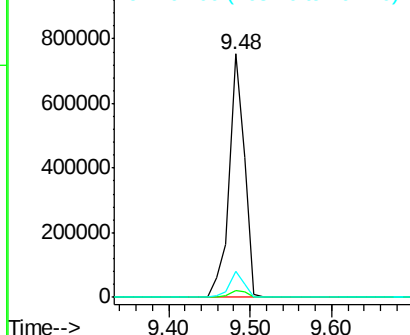
#49
Dimethylphthalate
Concen: 37.75 ng
RT: 9.48 min Scan# 647
Delta R.T. -0.01 min
Lab File: BF086749.D
Acq: 7 May 2016 3:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 983302
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 10.7 8.2 12.4

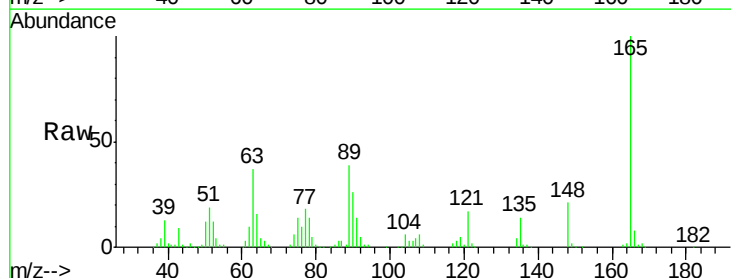


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

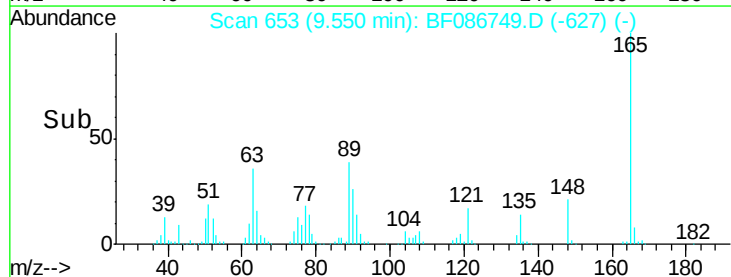
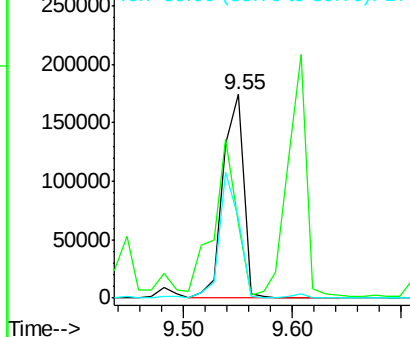


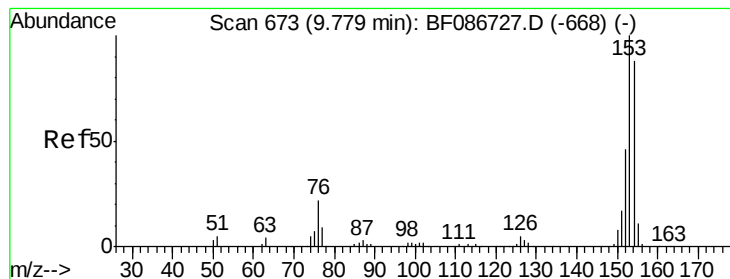
#50
2,6-Dinitrotoluene
Concen: 40.88 ng
RT: 9.55 min Scan# 653
Delta R.T. 0.00 min
Lab File: BF086749.D
Acq: 7 May 2016 3:16

Tgt Ion:165 Resp: 228493
Ion Ratio Lower Upper
165 100
63 36.8 51.8 77.8#
89 39.2 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: 37.56 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.00 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

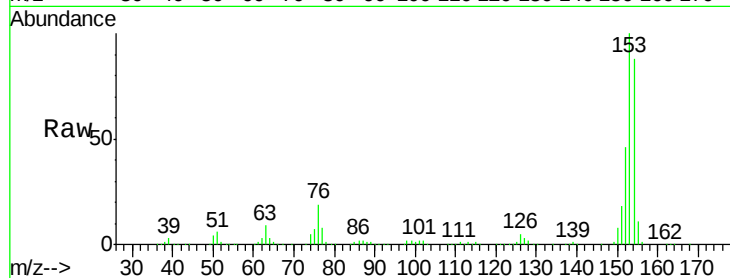
Tot Ion:154 Resp: 810786

Ion Ratio Lower Upper

154 100

153 113.4 89.8 134.6

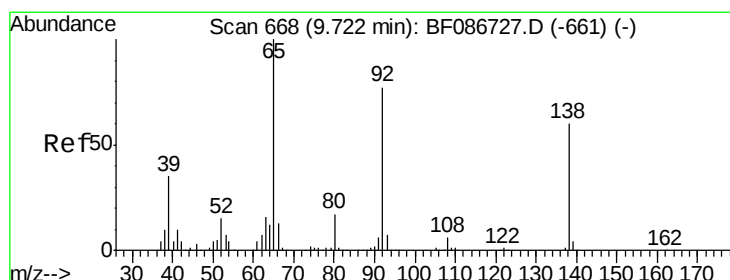
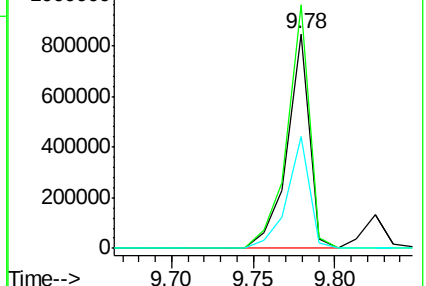
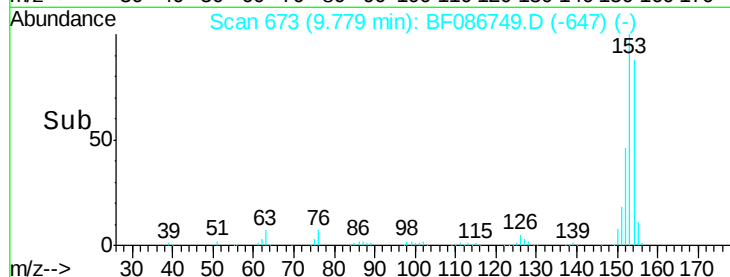
152 52.3 43.4 65.0



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: 13.92 ng

RT: 9.72 min Scan# 668

Delta R.T. 0.00 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

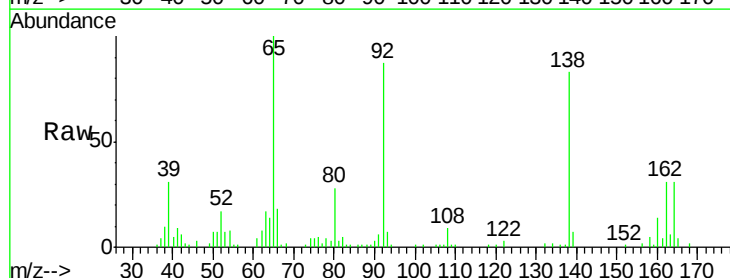
Tgt Ion:138 Resp: 88478

Ion Ratio Lower Upper

138 100

108 11.2 7.8 11.6

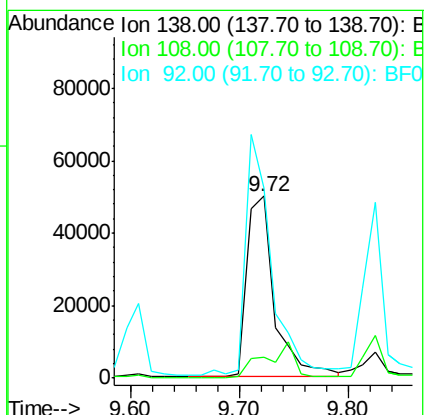
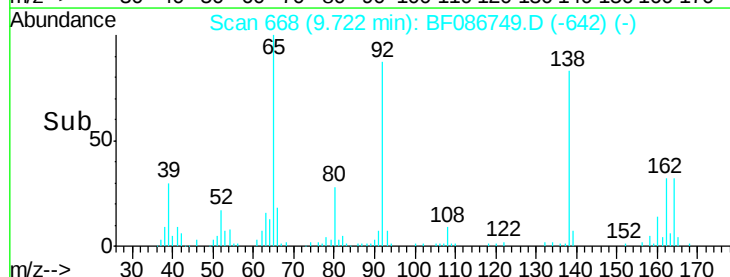
92 104.6 87.8 131.8

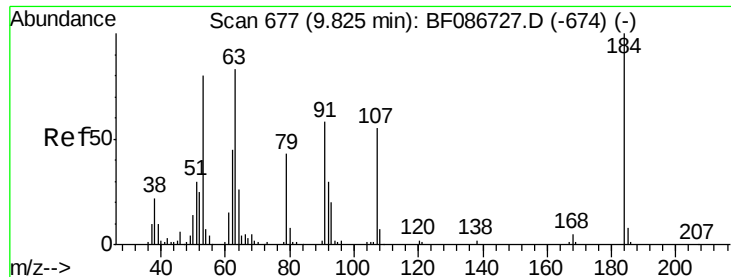


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

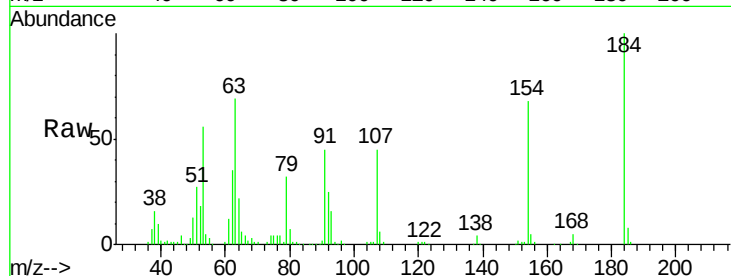




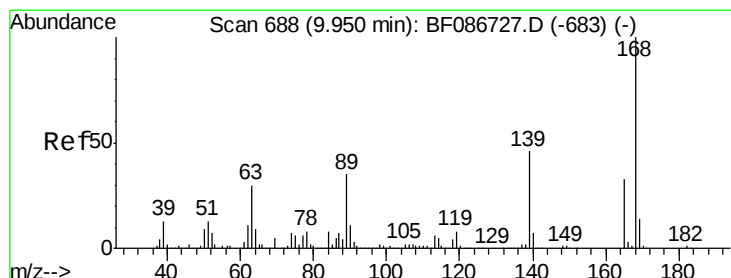
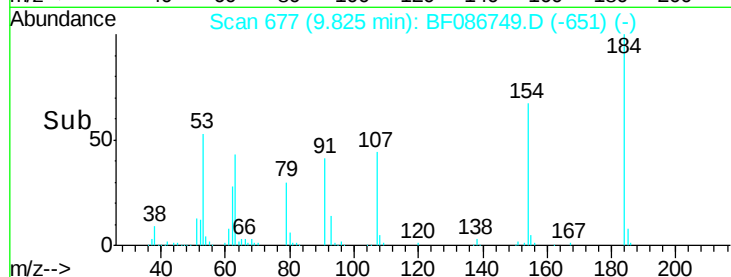
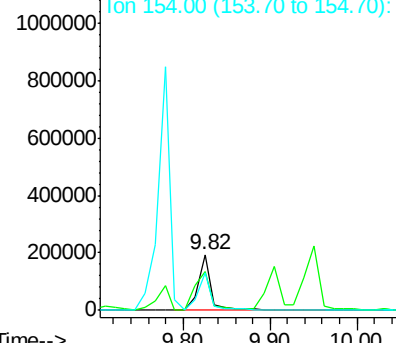
#53
2,4-Dinitrophenol
Concen: 85.27 ng
RT: 9.82 min Scan# 677
Delta R.T. 0.00 min
Lab File: BF086749.D
Acq: 7 May 2016 3:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:184 Resp: 204188
Ion Ratio Lower Upper
184 100
63 68.7 55.8 83.8
154 67.6 62.4 93.6

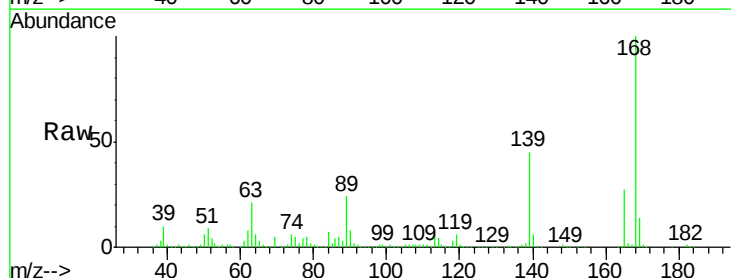


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

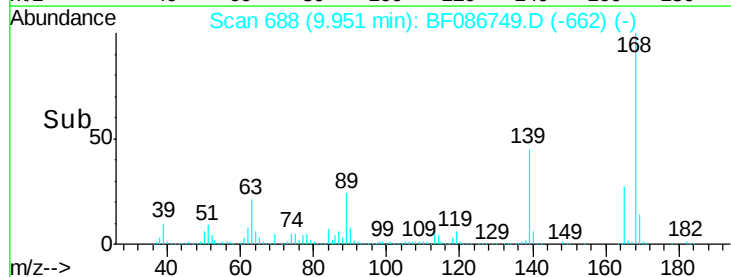
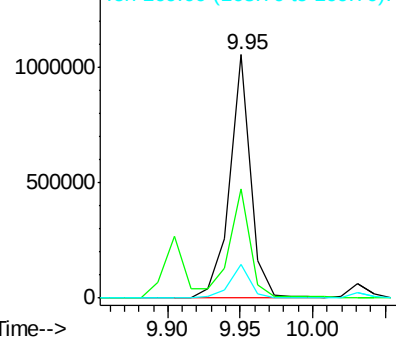


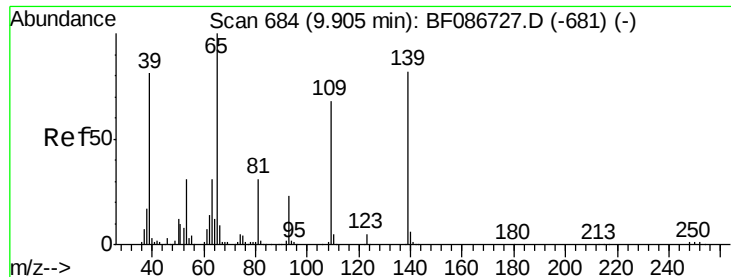
#54
Dibenzofuran
Concen: 39.56 ng
RT: 9.95 min Scan# 688
Delta R.T. 0.00 min
Lab File: BF086749.D
Acq: 7 May 2016 3:16

Tgt Ion:168 Resp: 1058468
Ion Ratio Lower Upper
168 100
139 44.7 31.4 47.0
169 13.6 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: 76.86 ng

RT: 9.90 min Scan# 684

Delta R.T. 0.00 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Instrument :

BNA_F

ClientSampled :

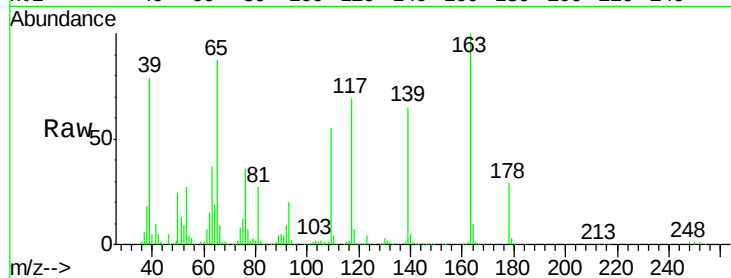
Tot Ion:139 Resp: 284744

Ion Ratio Lower Upper

139 100

109 84.2 36.9 76.9#

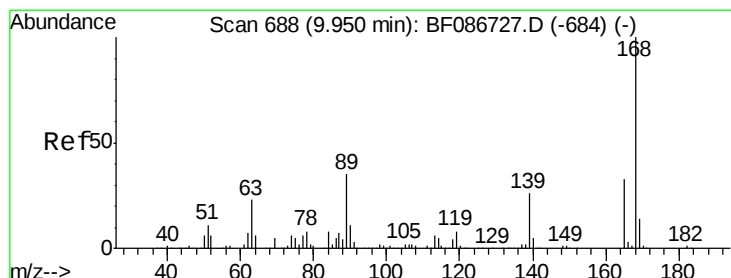
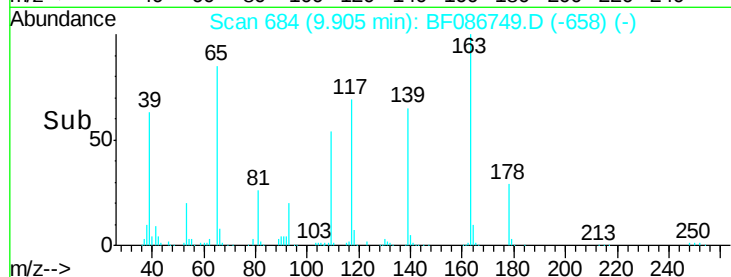
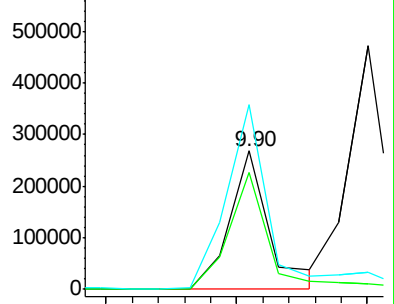
65 133.3 64.0 104.0#



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: 40.78 ng

RT: 9.95 min Scan# 688

Delta R.T. 0.00 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Tgt Ion:165 Resp: 282472

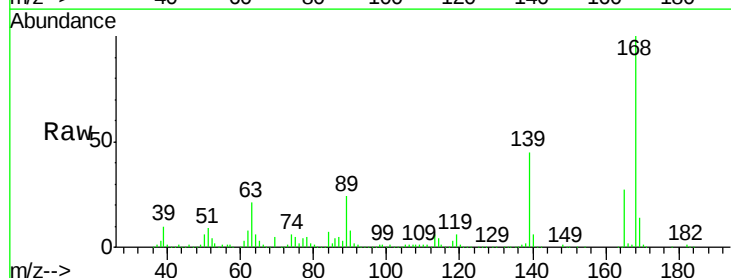
Ion Ratio Lower Upper

165 100

63 79.2 44.3 66.5#

89 88.6 70.0 105.0

182 2.4 1.8 2.6

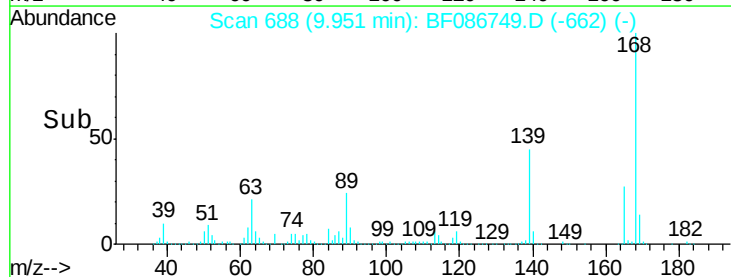
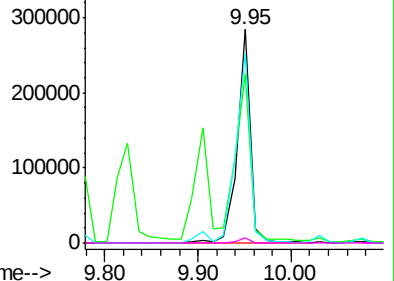


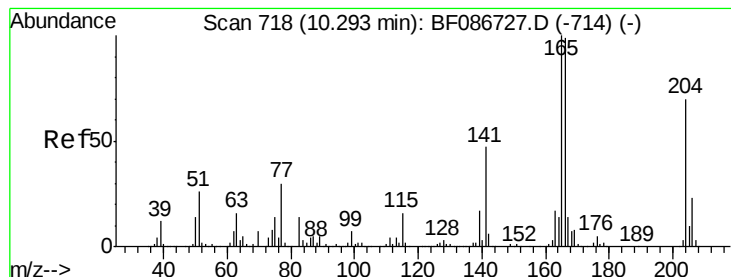
Abundance Ion 165.00 (164.70 to 165.70): E

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: 41.70 ng

RT: 10.29 min Scan# 718

Delta R.T. 0.00 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Instrument :
BNA_F
ClientSampleId :

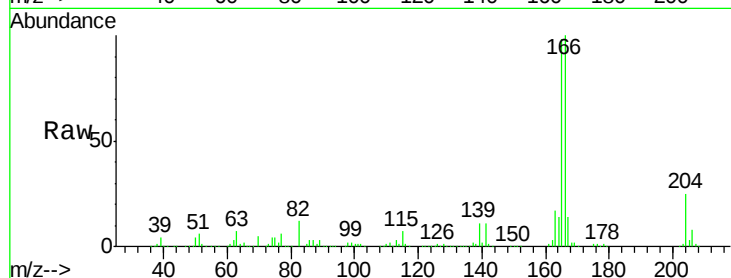
Tot Ion:166 Resp: 904117

Ion Ratio Lower Upper

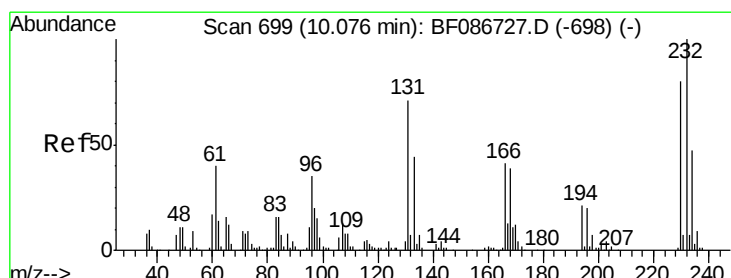
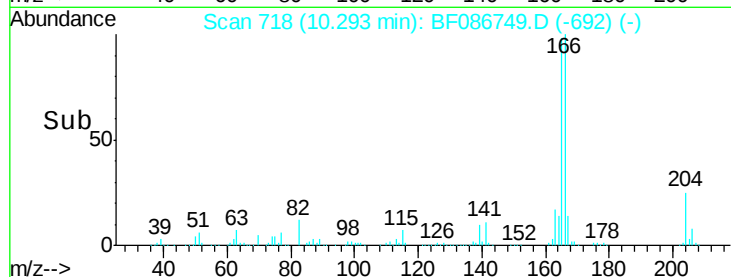
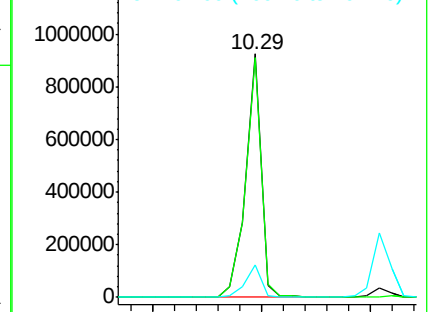
166 100

165 98.4 79.0 118.6

167 13.5 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: 47.41 ng

RT: 10.08 min Scan# 699

Delta R.T. 0.00 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Tgt Ion:232 Resp: 233939

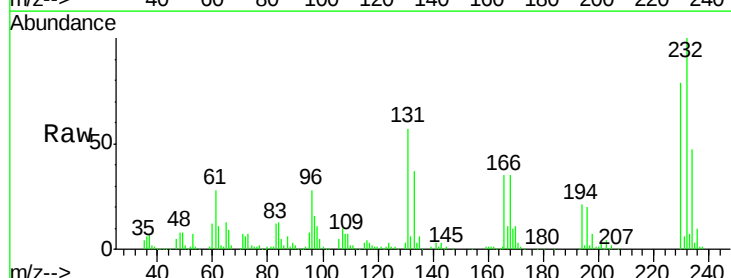
Ion Ratio Lower Upper

232 100

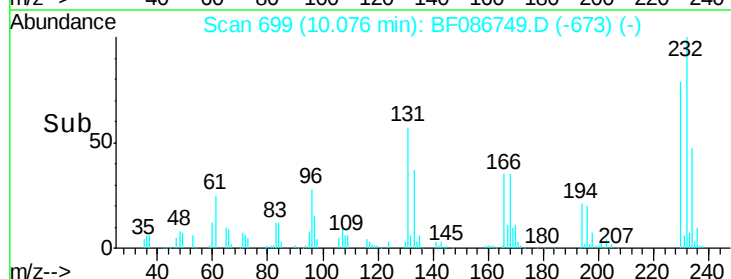
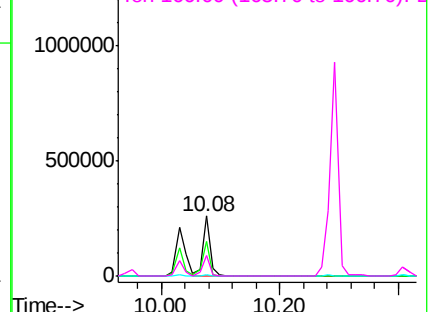
131 56.2 41.9 62.9

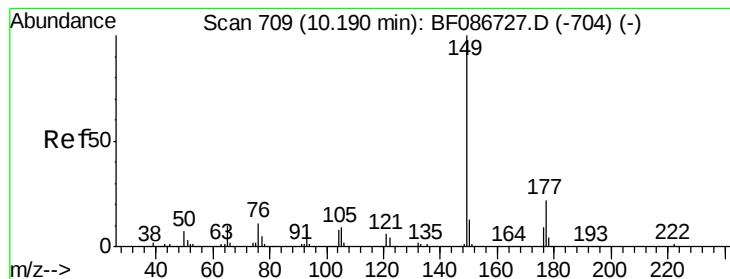
130 2.9 2.2 3.4

166 33.2 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: 36.47 ng

RT: 10.18 min Scan# 708

Delta R.T. -0.01 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Instrument :

BNA_F

ClientSampled :

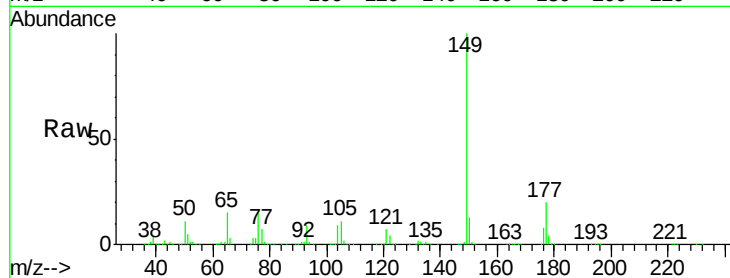
Tot Ion:149 Resp: 899028

Ion Ratio Lower Upper

149 100

177 20.4 16.6 24.8

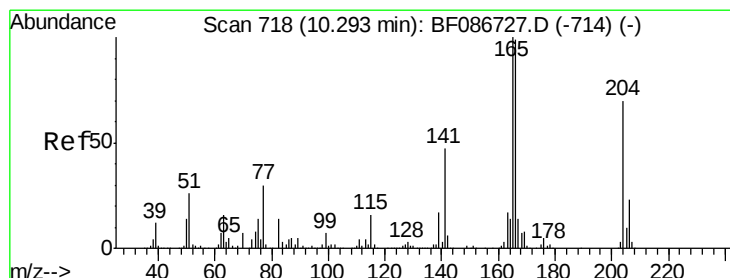
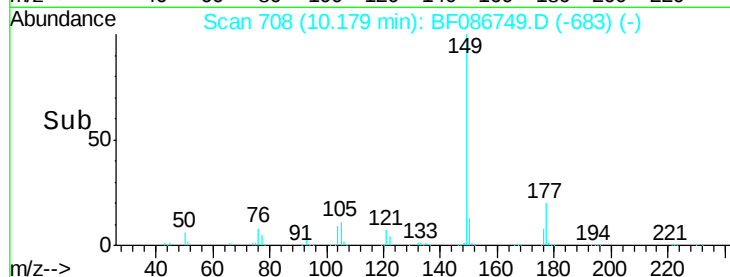
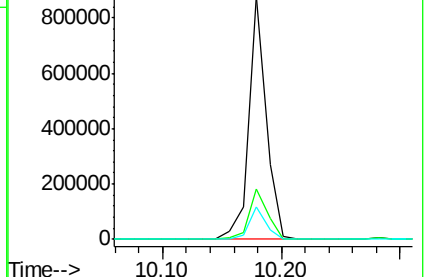
150 13.1 10.0 15.0



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: 38.30 ng

RT: 10.28 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

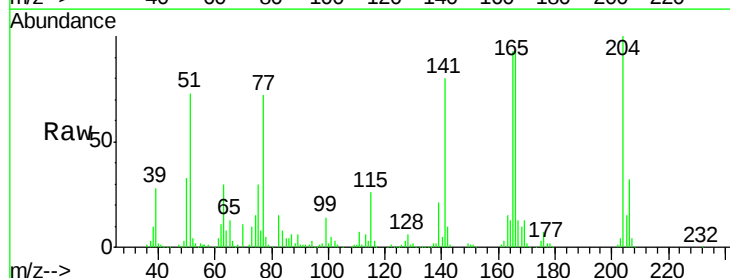
Tgt Ion:204 Resp: 394816

Ion Ratio Lower Upper

204 100

206 31.9 25.4 38.0

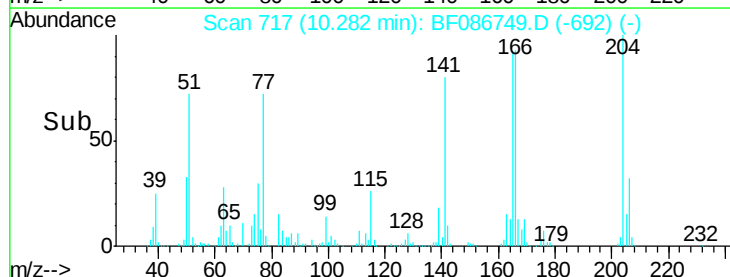
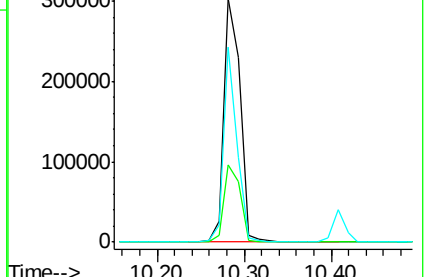
141 80.2 61.6 92.4

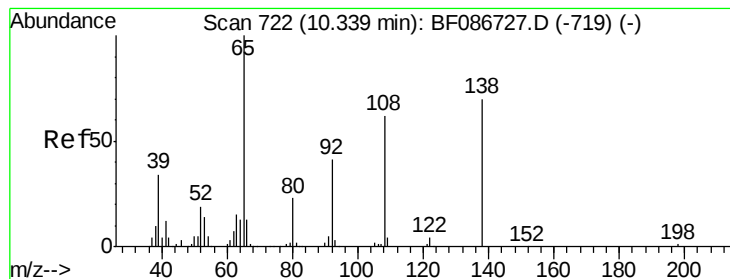


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 36.49 ng

RT: 10.34 min Scan# 722

Delta R.T. 0.00 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

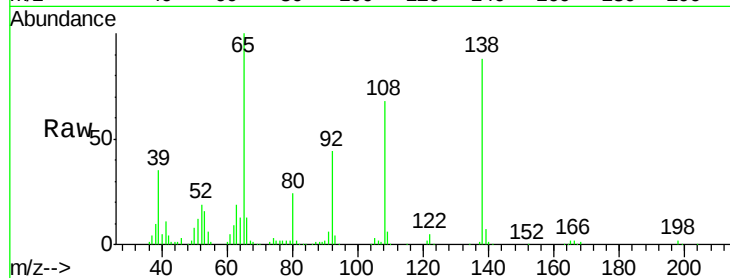
Tot Ion:138 Resp: 222805

Ion Ratio Lower Upper

138 100

92 49.6 24.7 64.7

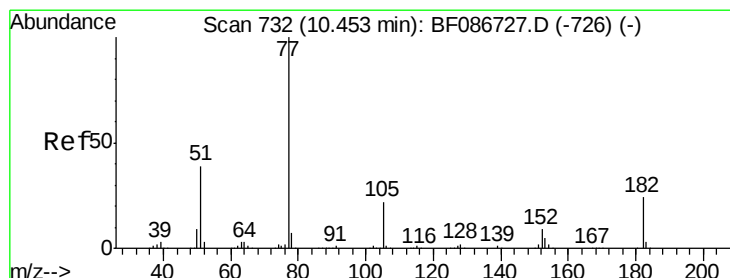
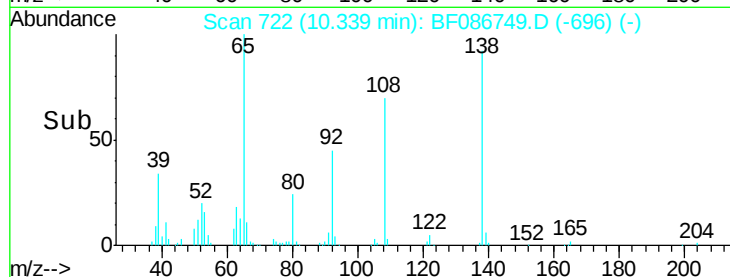
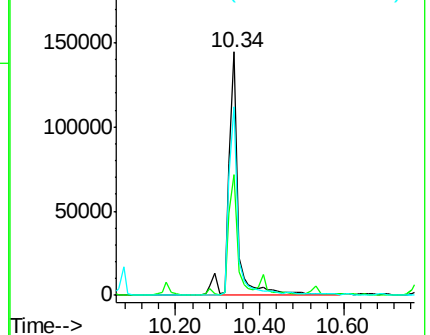
108 77.2 37.4 77.4



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 40.42 ng

RT: 10.44 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Tgt Ion: 77 Resp: 1104153

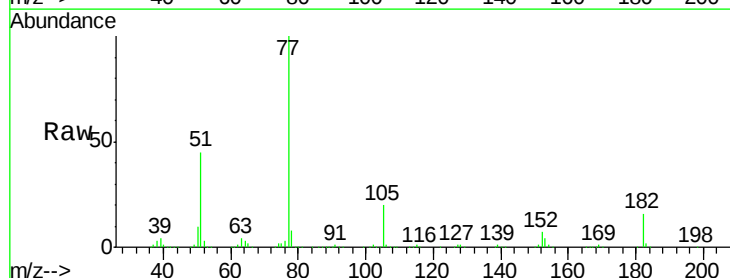
Ion Ratio Lower Upper

77 100

182 16.0 0.0 38.8

105 19.6 3.2 43.2

51 45.2 8.8 48.8

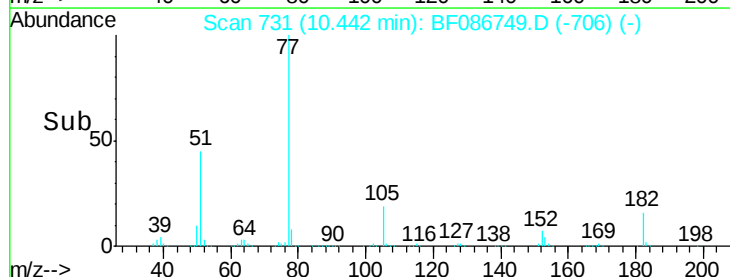
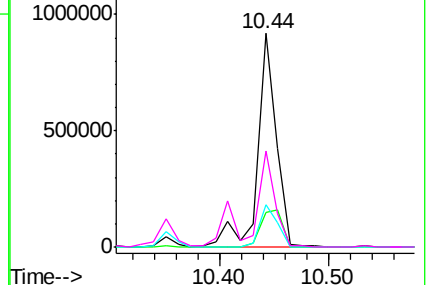


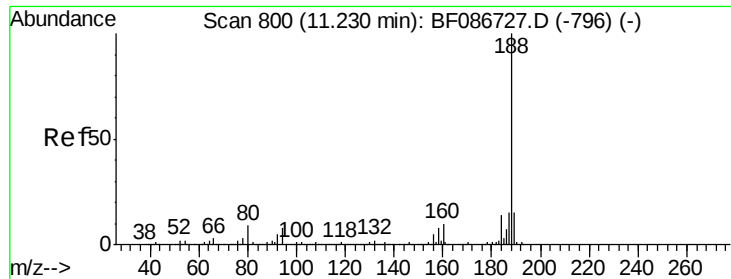
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

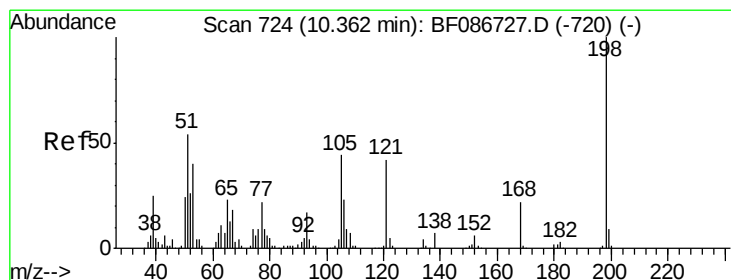
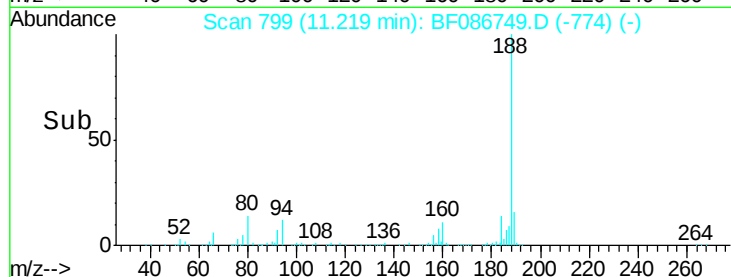
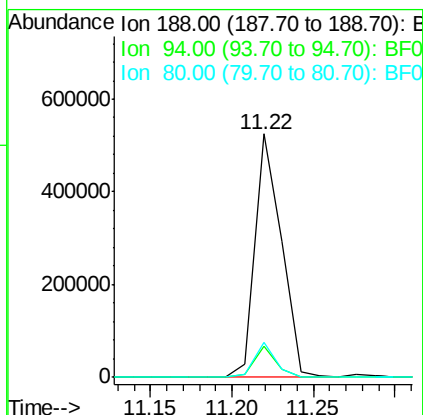
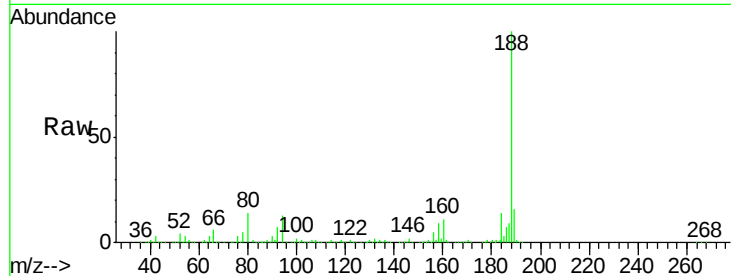




#63
Phenanthrene-d10
Concen: 40.00 ng
RT: 11.22 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF086749.D
Acq: 7 May 2016 3:16

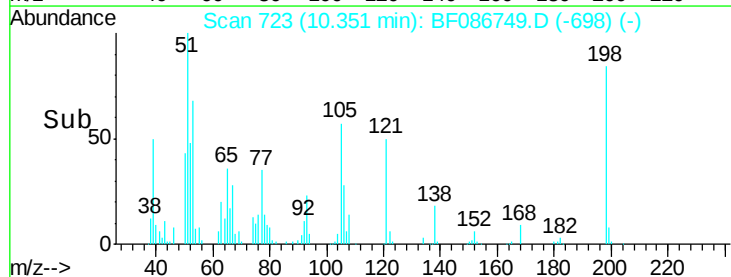
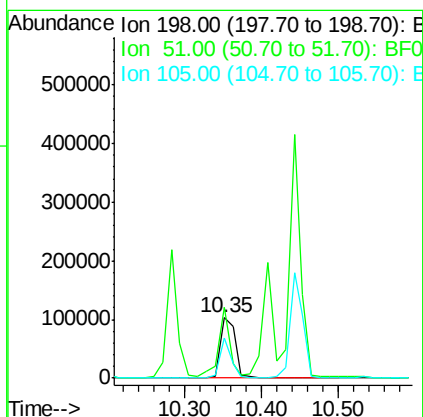
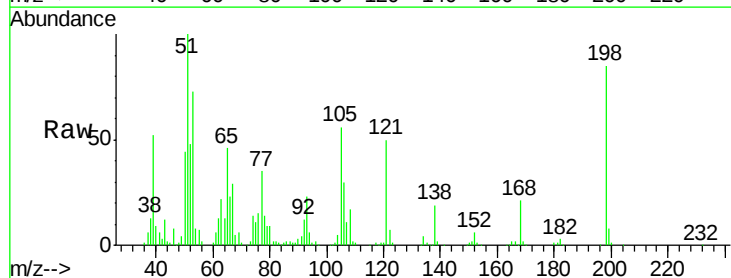
Instrument :
BNA_F
ClientSampleId :

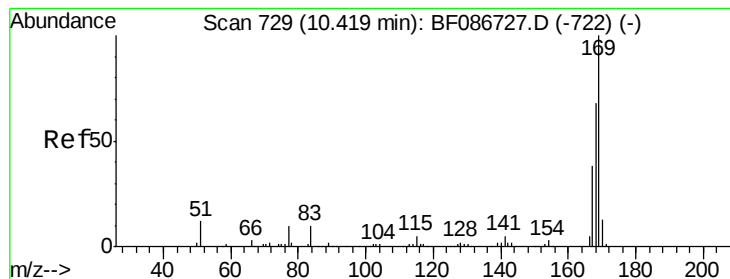
Tot Ion:188 Resp: 594101
Ion Ratio Lower Upper
188 100
94 12.8 6.8 10.2#
80 14.3 7.1 10.7#



#64
4,6-Dinitro-2-methylphenol
Concen: 47.32 ng
RT: 10.35 min Scan# 723
Delta R.T. -0.01 min
Lab File: BF086749.D
Acq: 7 May 2016 3:16

Tgt Ion:198 Resp: 141370
Ion Ratio Lower Upper
198 100
51 118.3 20.5 60.5#
105 66.7 24.5 64.5#





#65

n-Nitrosodiphenylamine

Concen: 38.90 ng

RT: 10.41 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

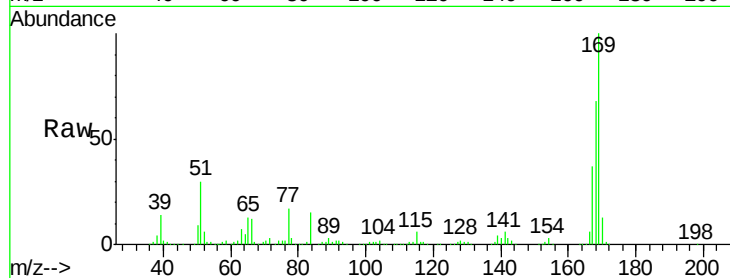
Tot Ion:169 Resp: 733871

Ion Ratio Lower Upper

169 100

168 67.6 53.8 80.6

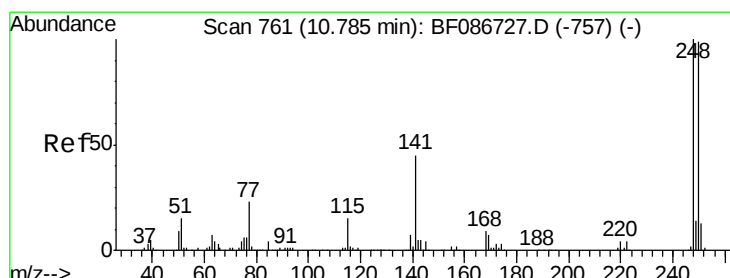
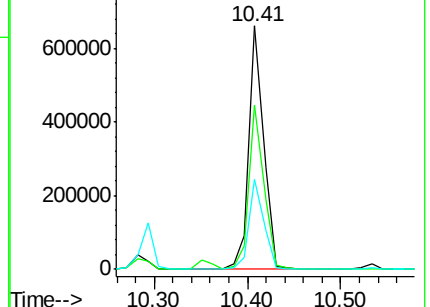
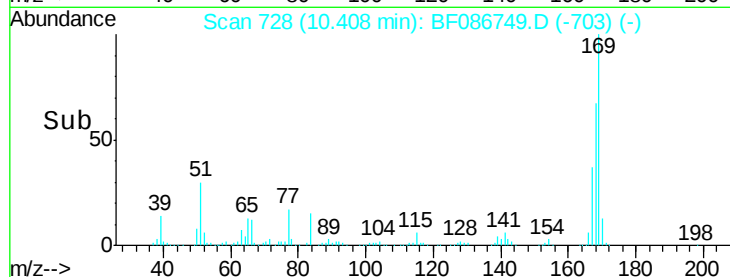
167 37.1 29.5 44.3



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: 41.68 ng

RT: 10.77 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

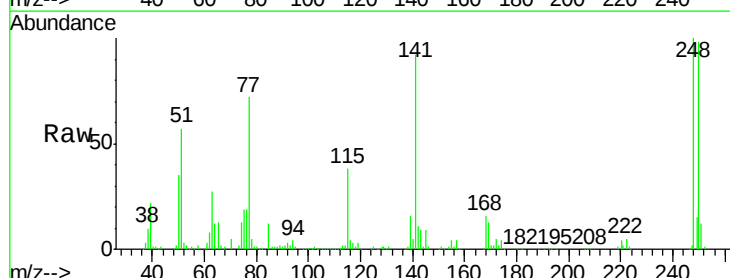
Tgt Ion:248 Resp: 246084

Ion Ratio Lower Upper

248 100

250 97.6 78.6 117.8

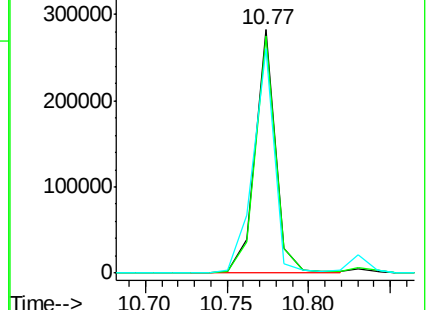
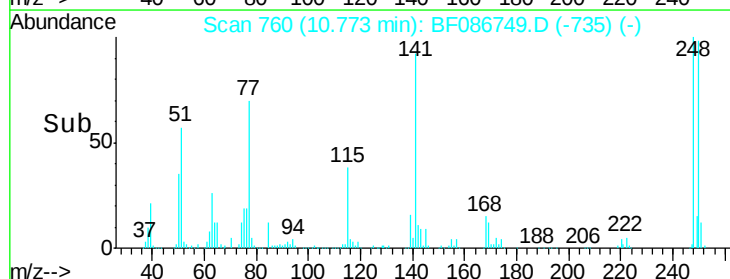
141 92.1 76.0 114.0

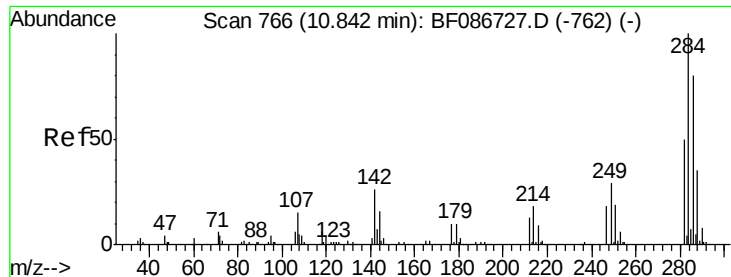


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

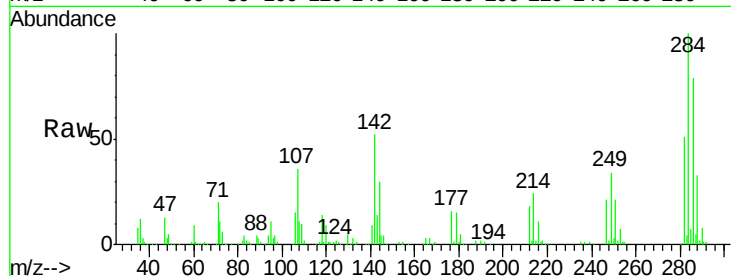




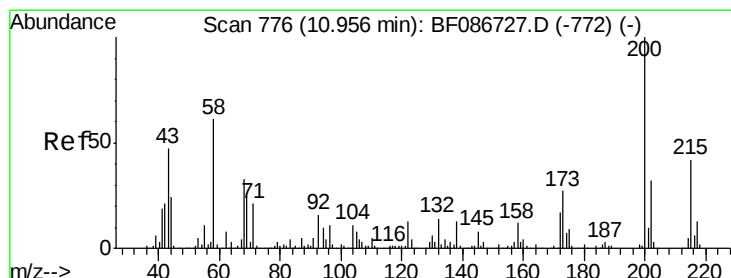
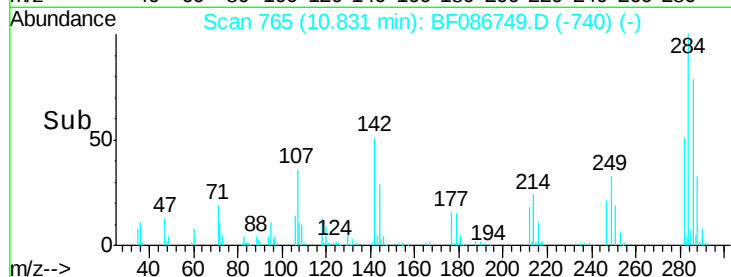
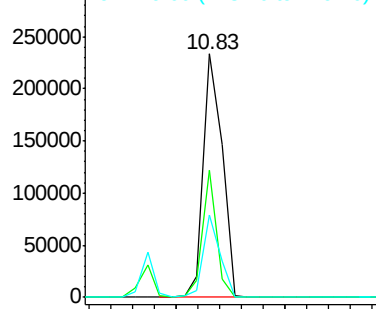
#67
Hexachlorobenzene
Concen: 38.67 ng
RT: 10.83 min Scan# 765
Delta R.T. -0.01 min
Lab File: BF086749.D
Acq: 7 May 2016 3:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:284 Resp: 278420
Ion Ratio Lower Upper
284 100
142 52.4 16.7 25.1#
249 33.8 21.3 31.9#

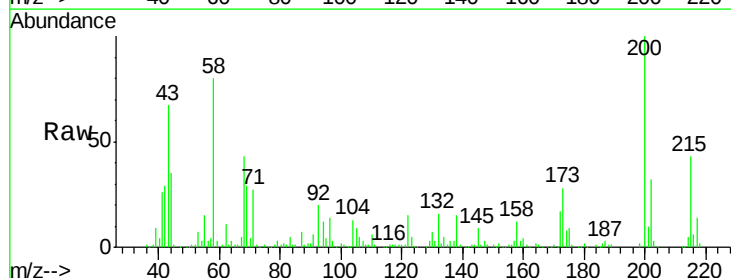


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

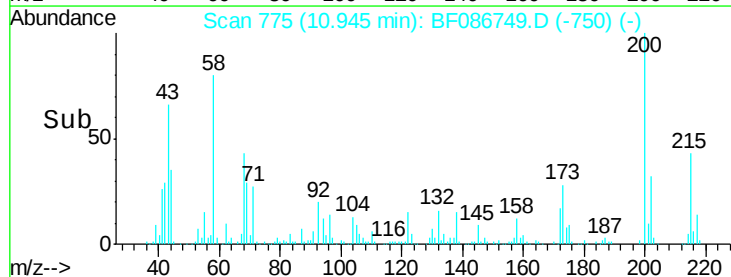
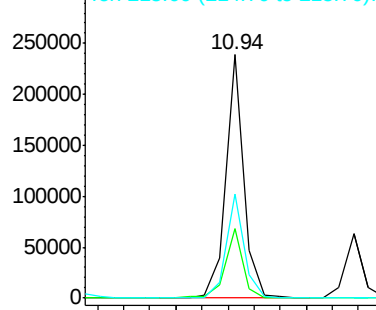


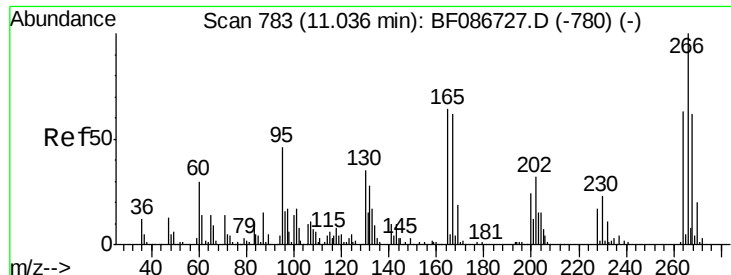
#68
Atrazine
Concen: 39.53 ng
RT: 10.94 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF086749.D
Acq: 7 May 2016 3:16

Tgt Ion:200 Resp: 228501
Ion Ratio Lower Upper
200 100
173 28.4 8.5 48.5
215 42.7 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

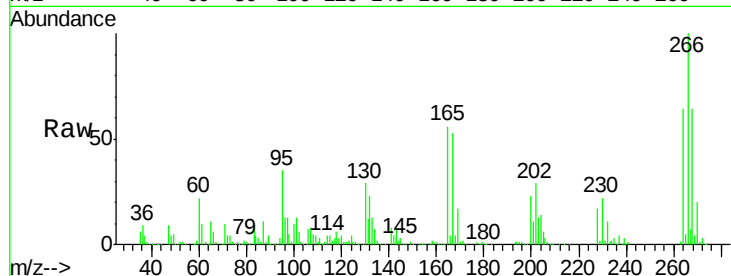




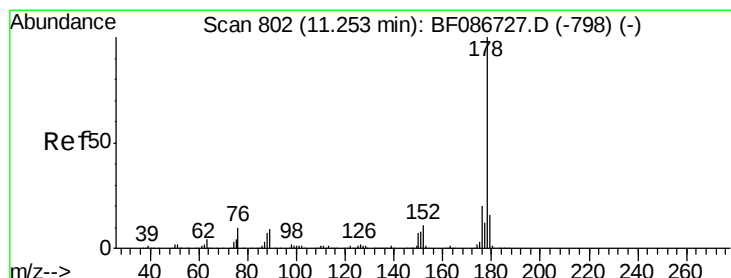
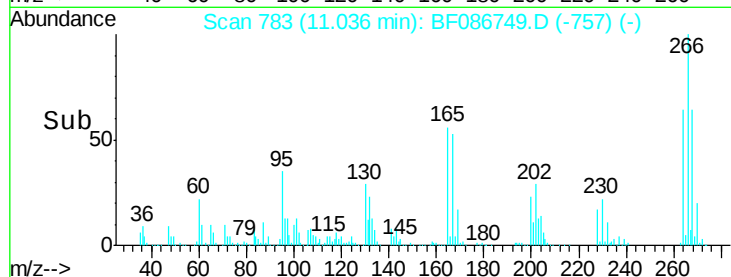
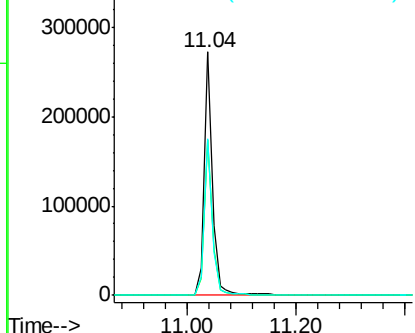
#69
 Pentachlorophenol
 Concen: 81.81 ng
 RT: 11.04 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BF086749.D
 Acq: 7 May 2016 3:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:266 Resp: 286330
 Ion Ratio Lower Upper
 266 100
 268 64.0 51.5 77.3
 264 64.4 52.9 79.3

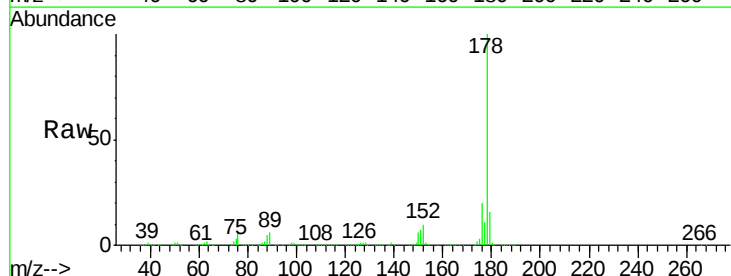


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

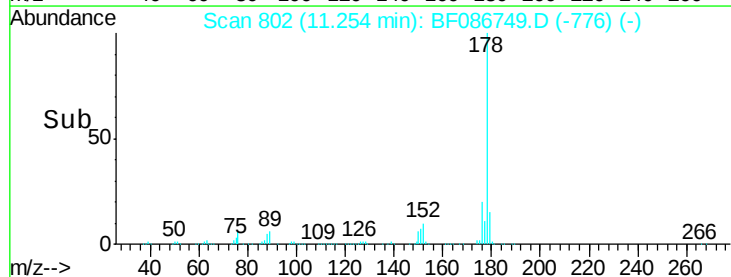
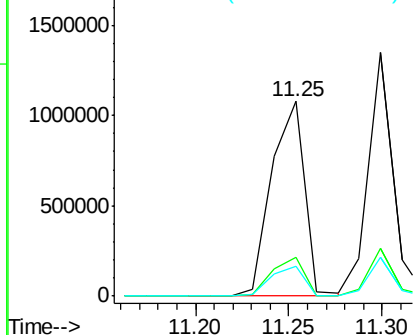


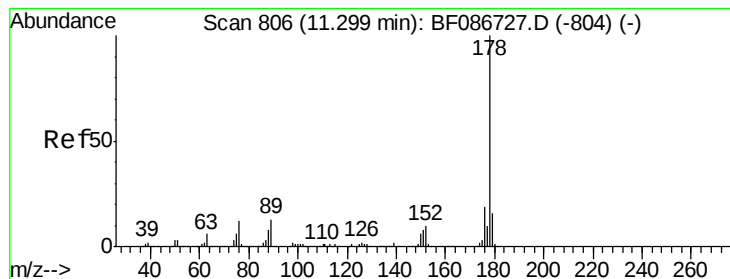
#70
 Phenanthrene
 Concen: 41.53 ng
 RT: 11.25 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: BF086749.D
 Acq: 7 May 2016 3:16

Tgt Ion:178 Resp: 1325167
 Ion Ratio Lower Upper
 178 100
 176 20.0 16.0 24.0
 179 15.6 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: 37.61 ng

RT: 11.30 min Scan# 806

Delta R.T. 0.00 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

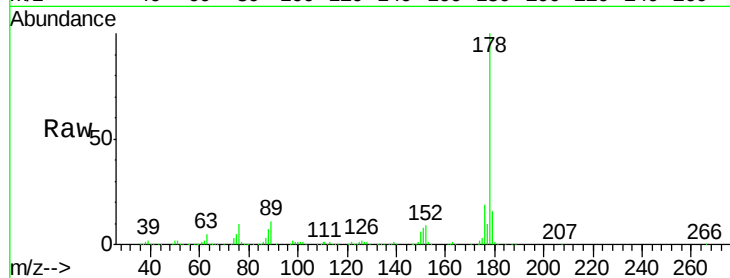
Tot Ion:178 Resp: 1256801

Ion Ratio Lower Upper

178 100

176 19.5 15.6 23.4

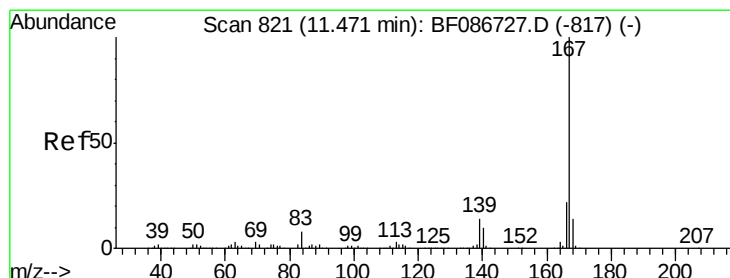
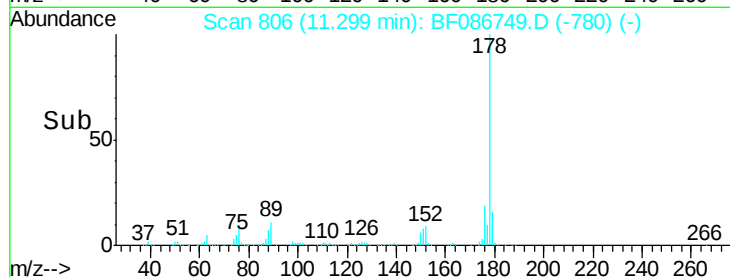
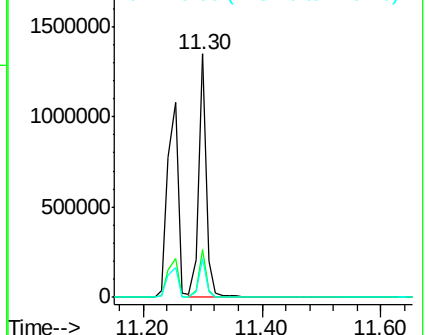
179 16.0 12.7 19.1



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: 36.83 ng

RT: 11.46 min Scan# 820

Delta R.T. -0.01 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

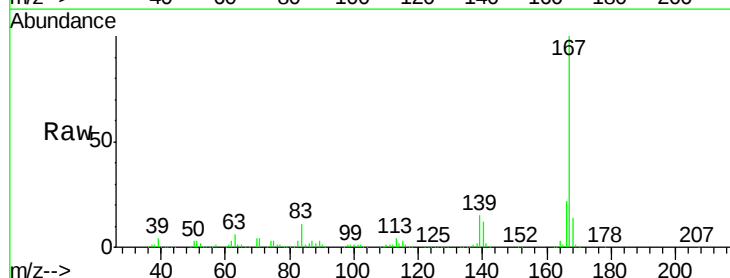
Tgt Ion:167 Resp: 1068823

Ion Ratio Lower Upper

167 100

166 22.2 17.7 26.5

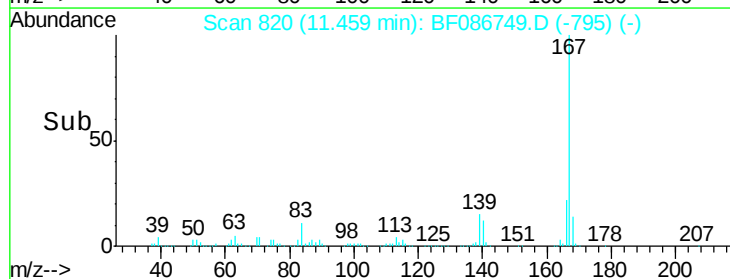
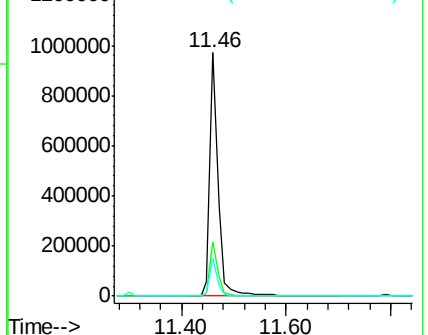
139 15.2 10.8 16.2

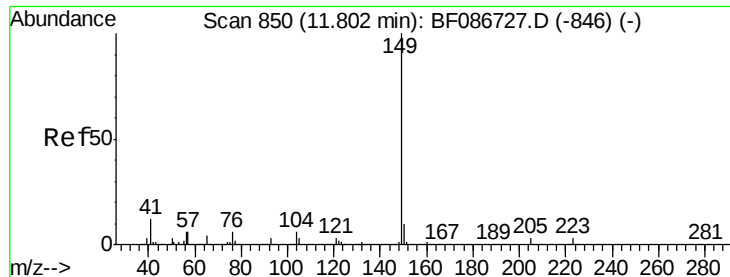


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 39.96 ng

RT: 11.79 min Scan# 849

Delta R.T. -0.01 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

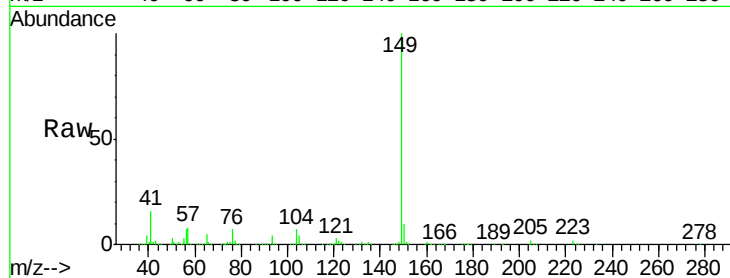
Tot Ion:149 Resp: 1376644

Ion Ratio Lower Upper

149 100

150 9.8 7.6 11.4

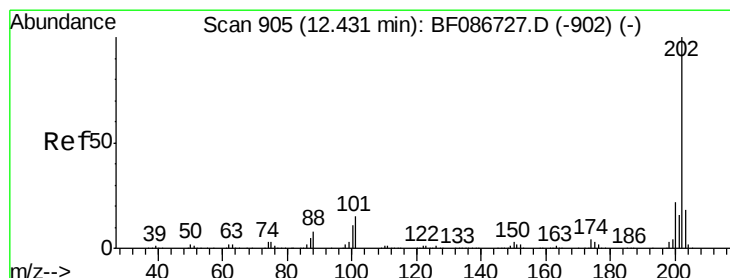
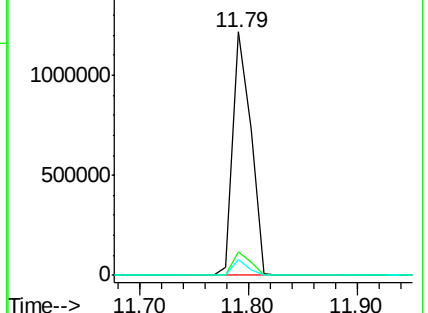
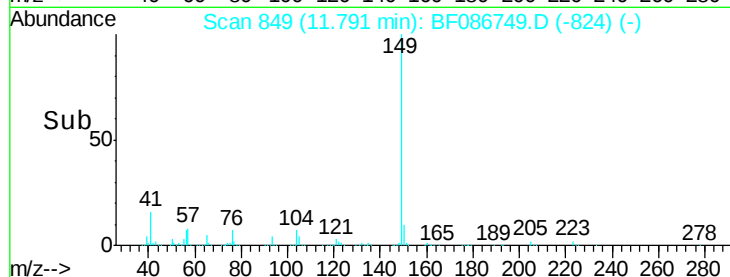
104 6.6 3.8 5.6#



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: 39.54 ng

RT: 12.43 min Scan# 905

Delta R.T. 0.00 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

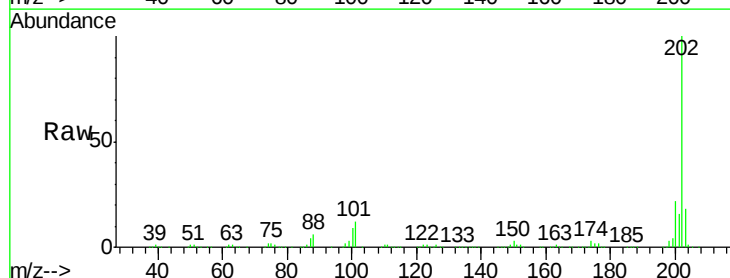
Tgt Ion:202 Resp: 1264527

Ion Ratio Lower Upper

202 100

101 12.4 0.0 35.4

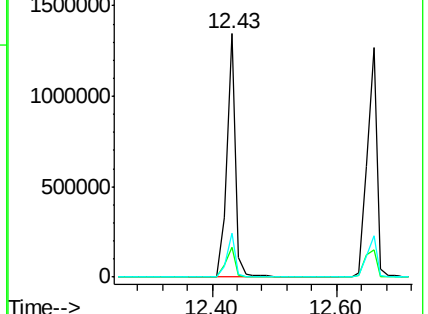
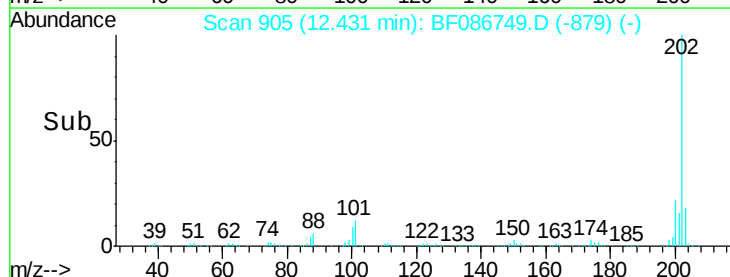
203 18.1 0.0 38.1

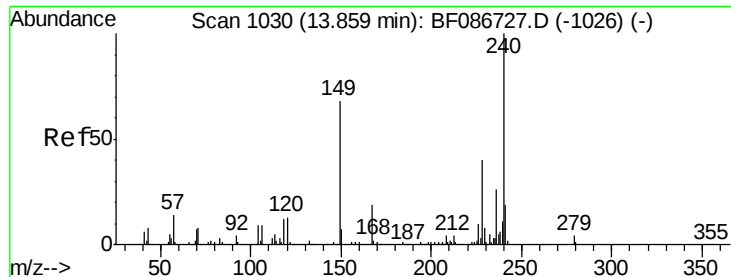


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.85 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

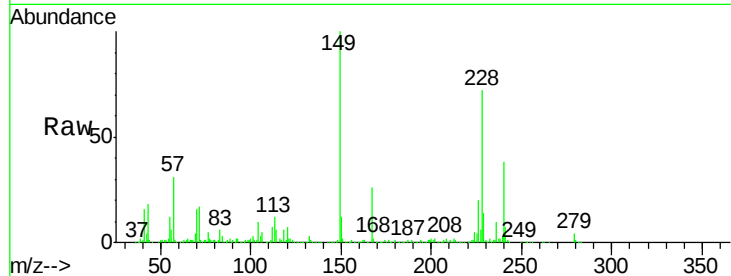
Tot Ion:240 Resp: 390518

Ion Ratio Lower Upper

240 100

120 17.1 11.2 16.8#

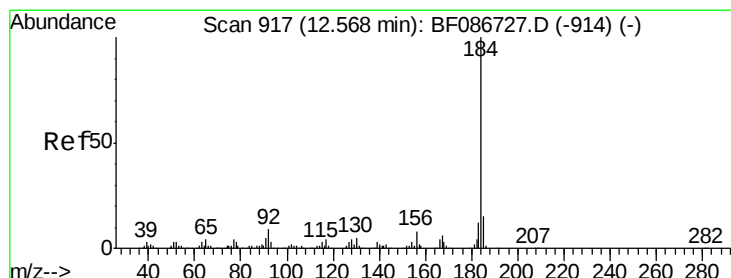
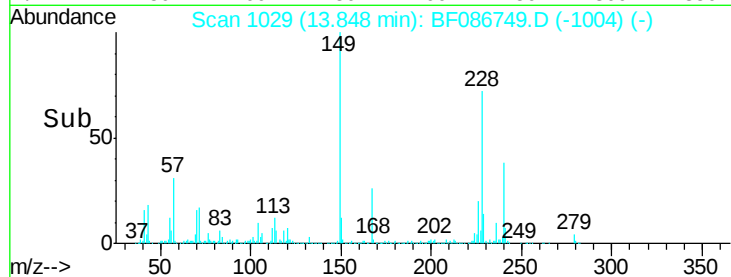
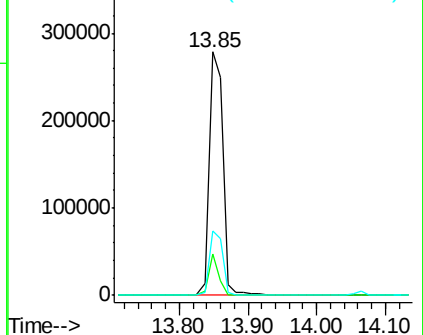
236 26.4 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 31.90 ng

RT: 12.57 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

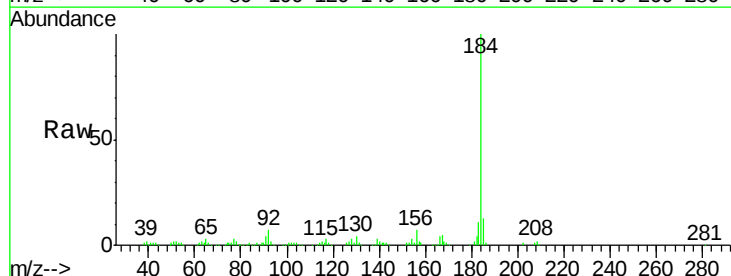
Tgt Ion:184 Resp: 311338

Ion Ratio Lower Upper

184 100

185 13.4 13.6 20.4#

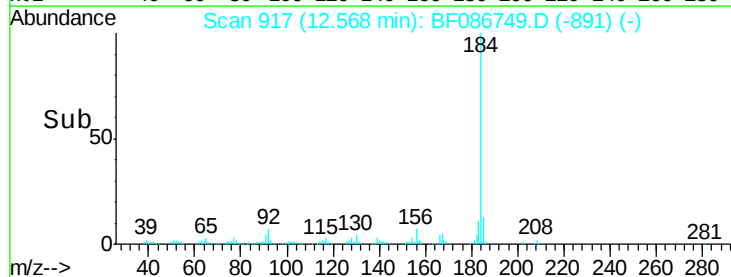
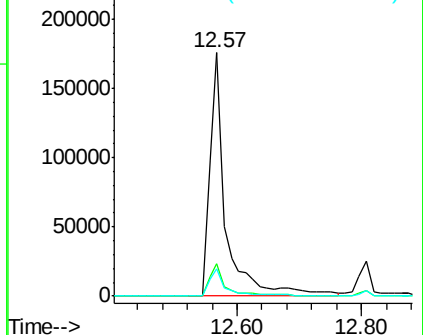
183 11.4 9.8 14.6

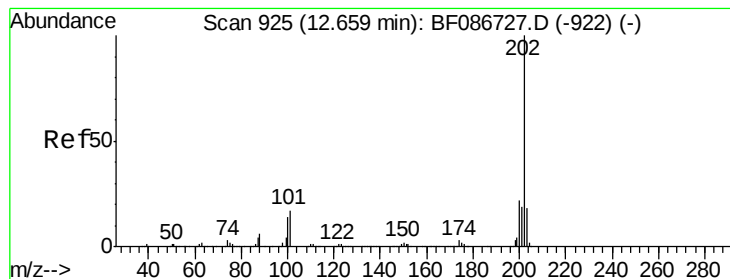


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 43.27 ng

RT: 12.66 min Scan# 925

Delta R.T. 0.00 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

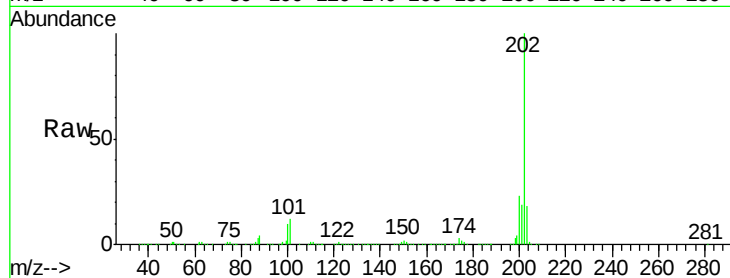
Tot Ion:202 Resp: 1347019

Ion Ratio Lower Upper

202 100

200 22.5 17.7 26.5

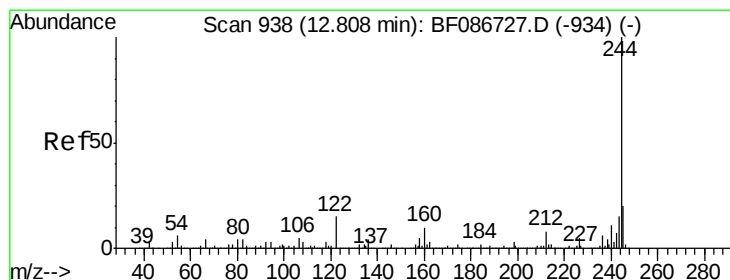
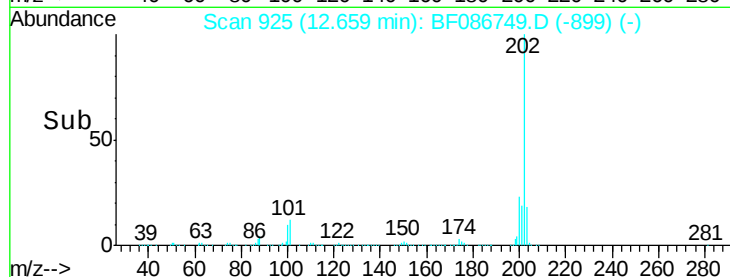
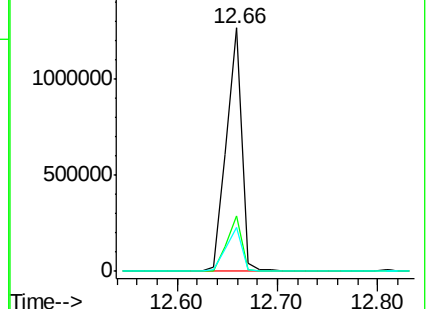
203 18.0 14.2 21.4



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: 81.83 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

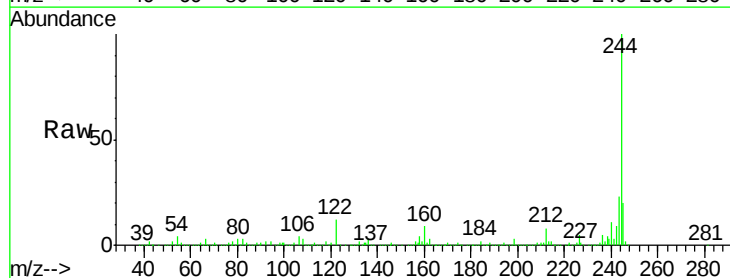
Tgt Ion:244 Resp: 1581149

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

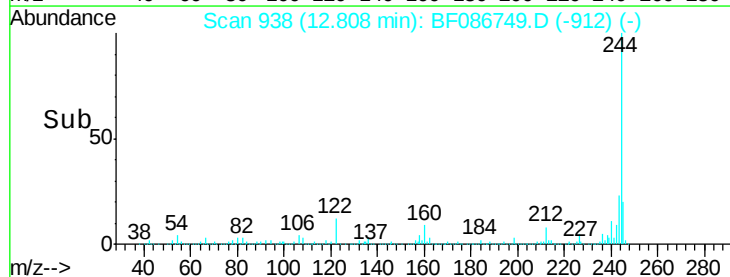
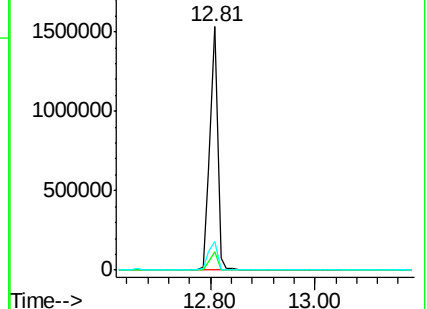
122 11.8 12.0 18.0#

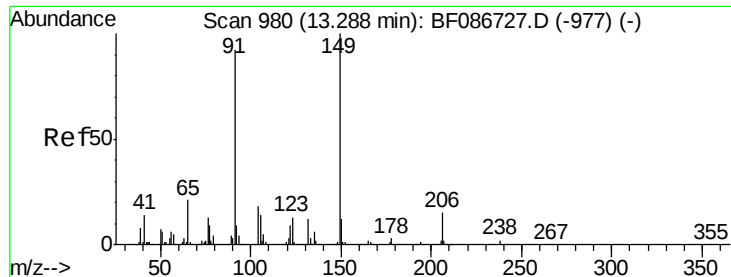


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

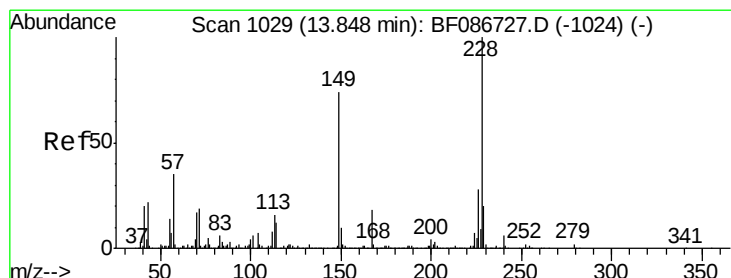
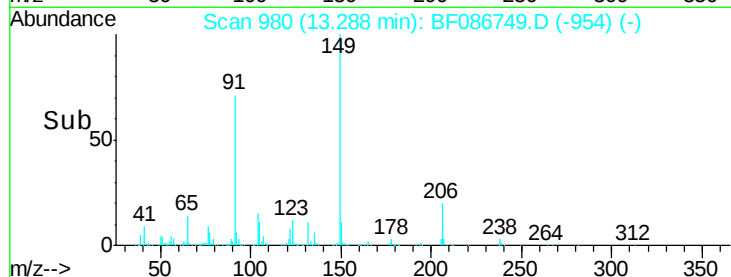
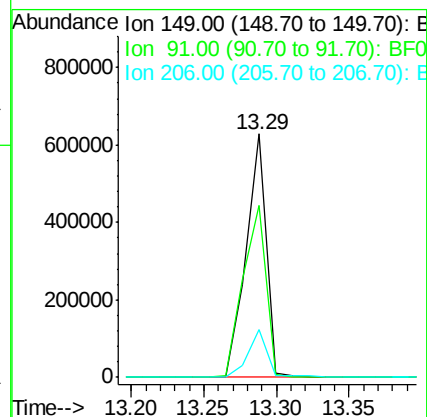
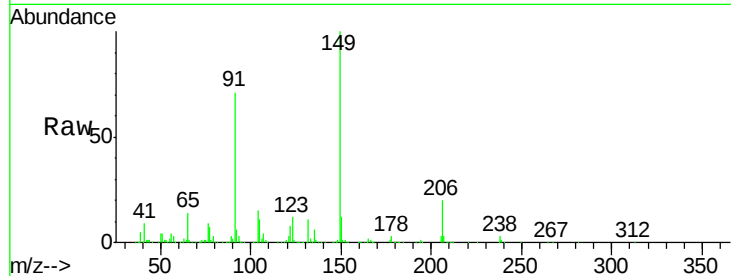




#79
Butylbenzylphthalate
Concen: 46.81 ng
RT: 13.29 min Scan# 980
Delta R.T. 0.00 min
Lab File: BF086749.D
Acq: 7 May 2016 3:16

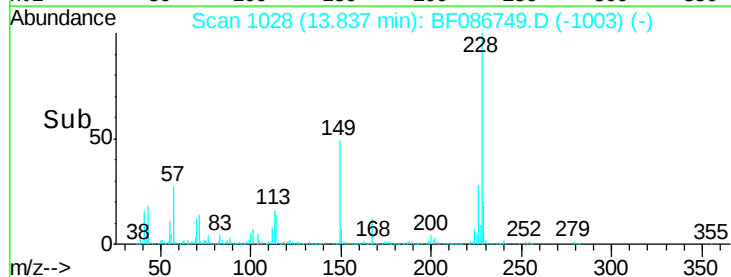
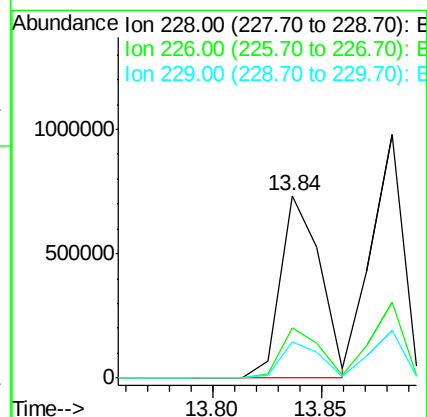
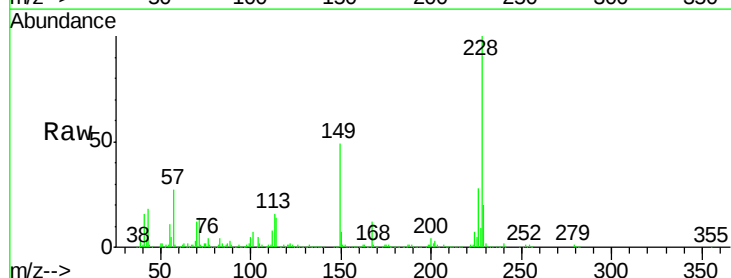
Instrument :
BNA_F
ClientSampleId :

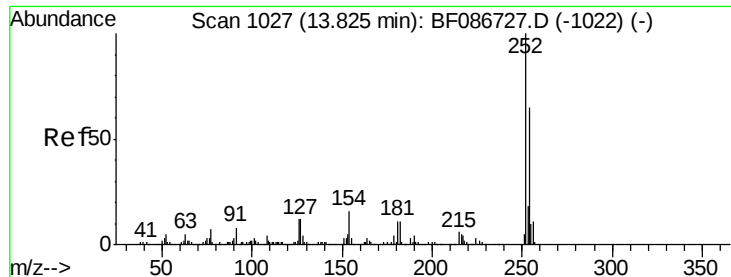
Tot Ion:149 Resp: 610459
Ion Ratio Lower Upper
149 100
91 70.8 48.0 72.0
206 19.6 15.8 23.6



#80
Benzo(a)anthracene
Concen: 42.45 ng
RT: 13.84 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF086749.D
Acq: 7 May 2016 3:16

Tgt Ion:228 Resp: 937570
Ion Ratio Lower Upper
228 100
226 27.8 22.5 33.7
229 20.2 16.6 25.0

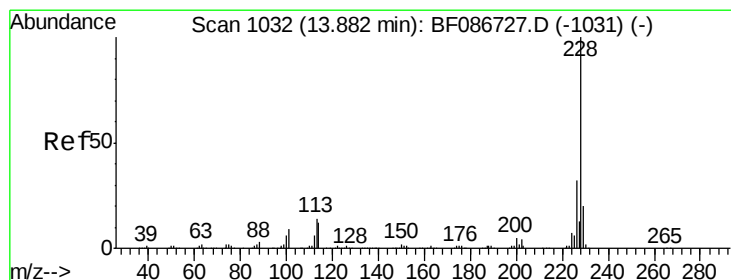
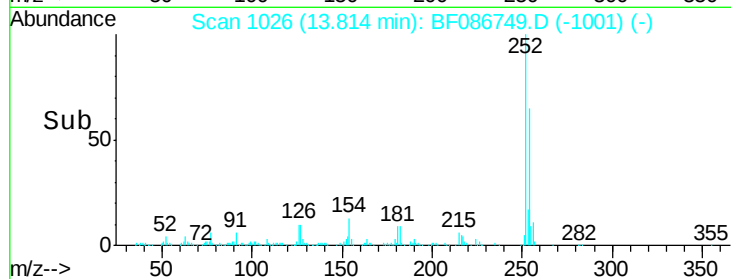
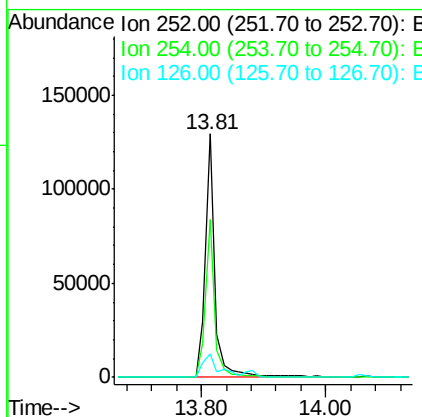
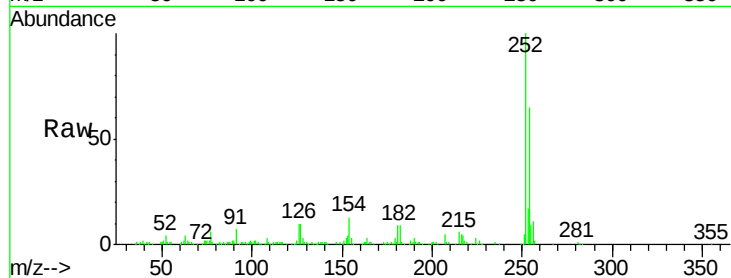




#81
 3,3'-Dichlorobenzidine
 Concen: 10.23 ng
 RT: 13.81 min Scan# 1026
 Delta R.T. -0.01 min
 Lab File: BF086749.D
 Acq: 7 May 2016 3:16

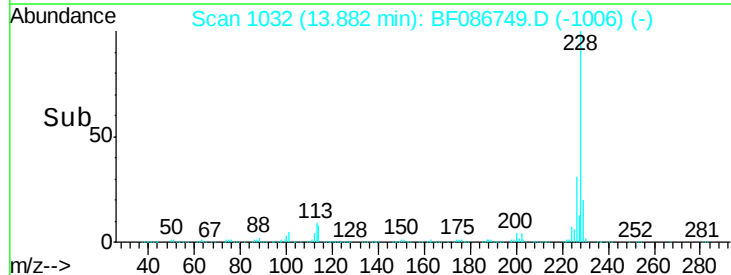
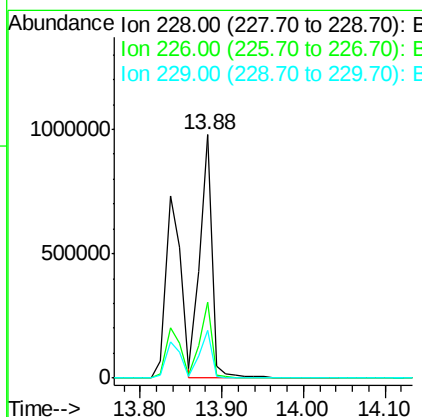
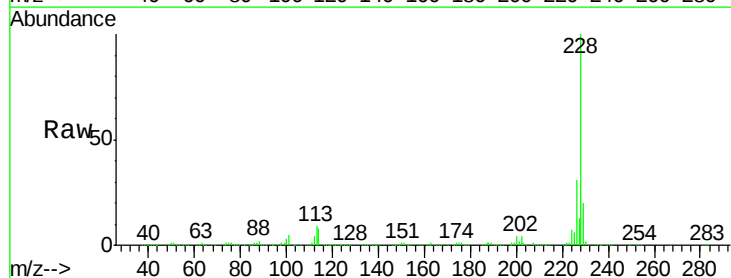
Instrument :
 BNA_F
 ClientSampleId :

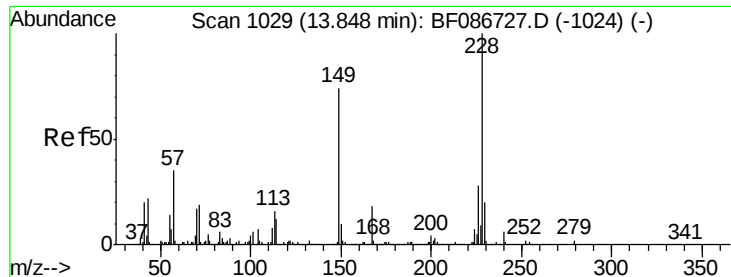
Tot Ion:252 Resp: 141926
 Ion Ratio Lower Upper
 252 100
 254 64.6 50.7 76.1
 126 9.9 12.7 19.1#



#82
 Chrysene
 Concen: 43.61 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. 0.00 min
 Lab File: BF086749.D
 Acq: 7 May 2016 3:16

Tgt Ion:228 Resp: 1027526
 Ion Ratio Lower Upper
 228 100
 226 31.0 24.4 36.6
 229 19.7 15.8 23.8





#83

Bis(2-ethylhexyl)phthalate

Concen: 51.08 ng

RT: 13.85 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Instrument :

BNA_F

ClientSampled :

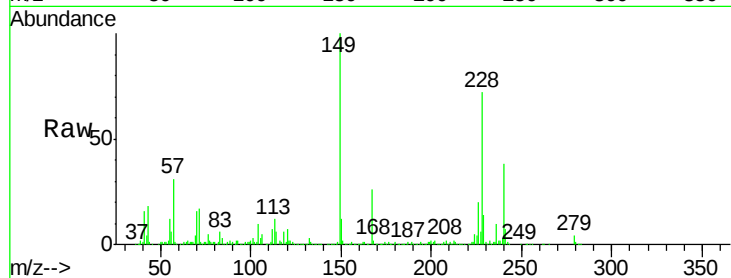
Tot Ion:149 Resp: 770815

Ion Ratio Lower Upper

149 100

167 26.2 21.8 32.6

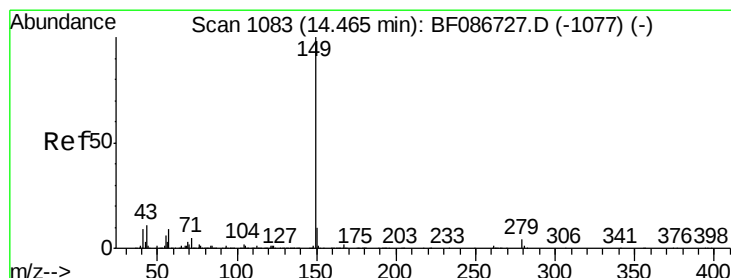
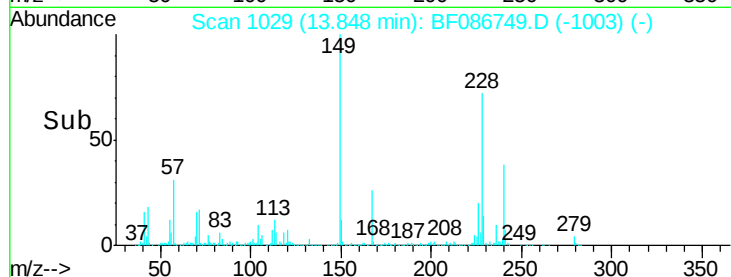
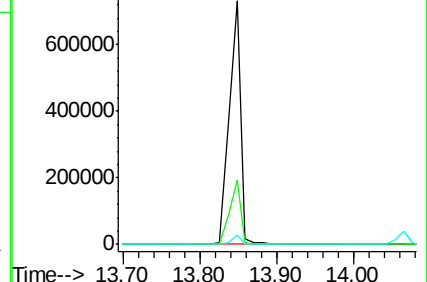
279 3.6 2.6 4.0



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: 57.17 ng

RT: 14.45 min Scan# 1082

Delta R.T. -0.01 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

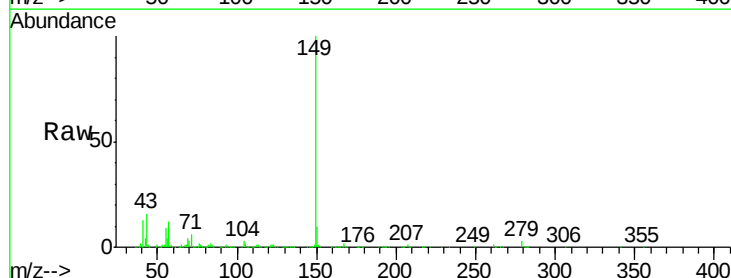
Tgt Ion:149 Resp: 1269567

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

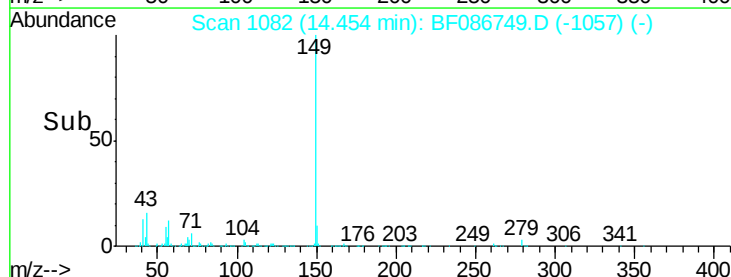
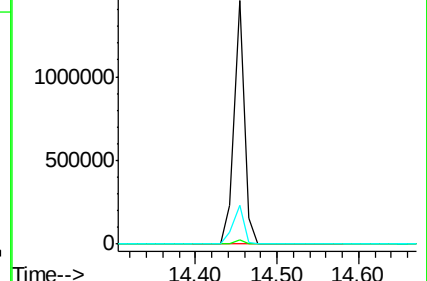
43 17.2 8.2 12.4#

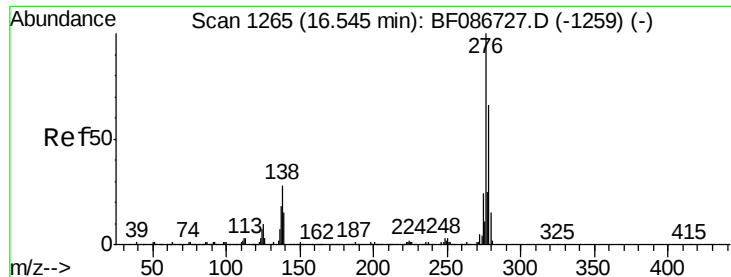


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

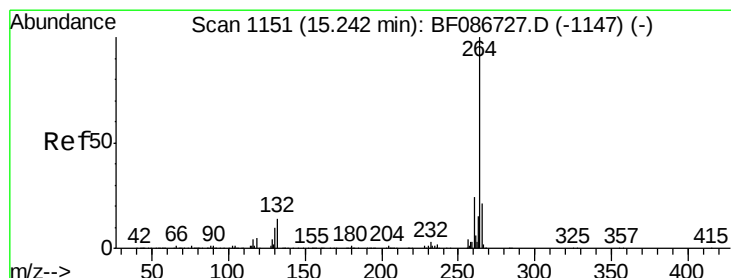
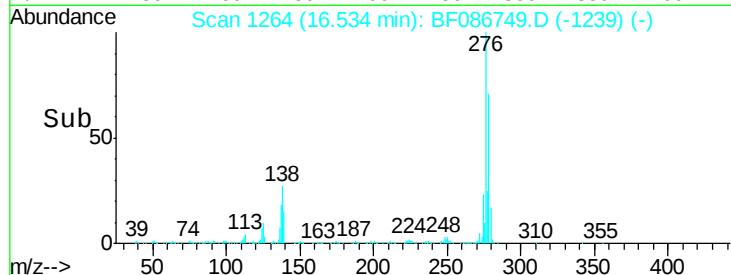
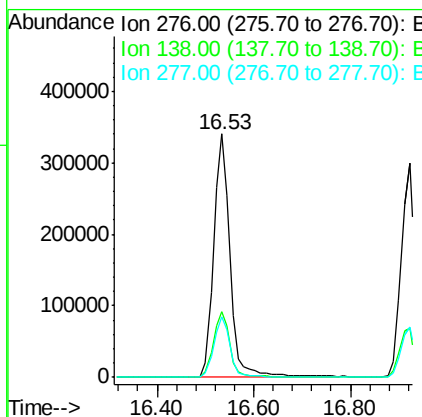
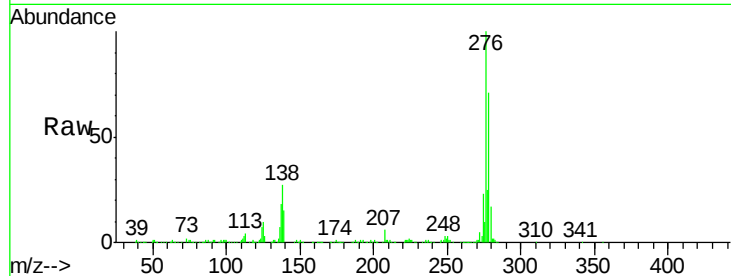




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 40.50 ng
 RT: 16.53 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: BF086749.D
 Acq: 7 May 2016 3:16

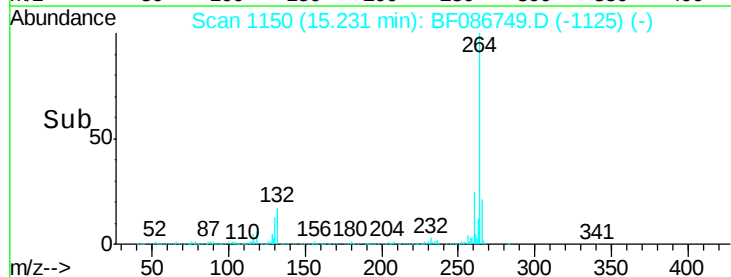
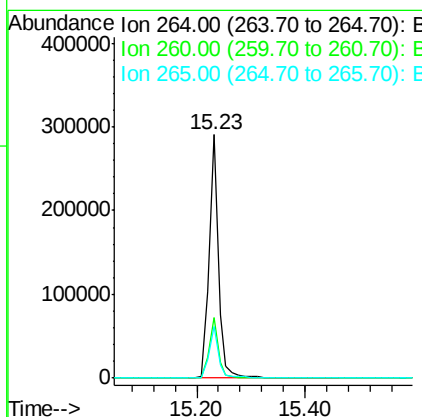
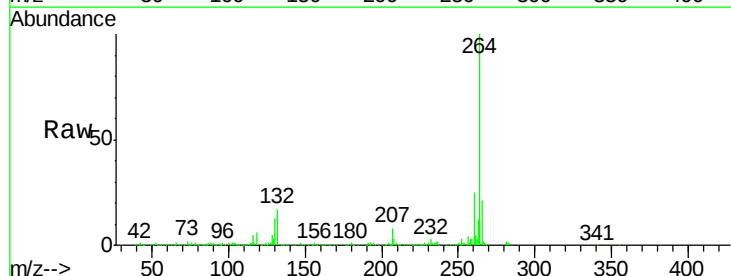
Instrument :
 BNA_F
 ClientSampleId :

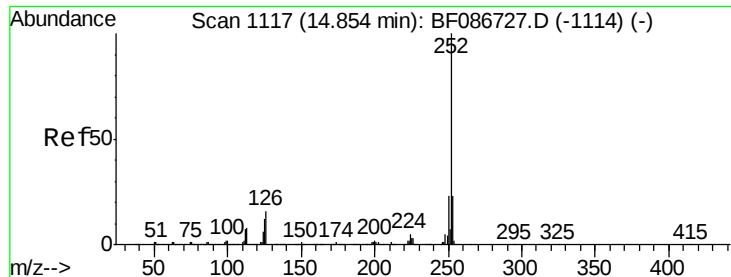
Tot Ion:276 Resp: 818837
 Ion Ratio Lower Upper
 276 100
 138 27.6 25.6 38.4
 277 25.1 20.5 30.7



#86
 Perylene-d12
 Concen: 40.00 ng
 RT: 15.23 min Scan# 1150
 Delta R.T. -0.01 min
 Lab File: BF086749.D
 Acq: 7 May 2016 3:16

Tgt Ion:264 Resp: 351282
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.5 29.3
 265 21.1 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 82.59 ng

RT: 14.88 min Scan# 1119

Delta R.T. 0.02 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

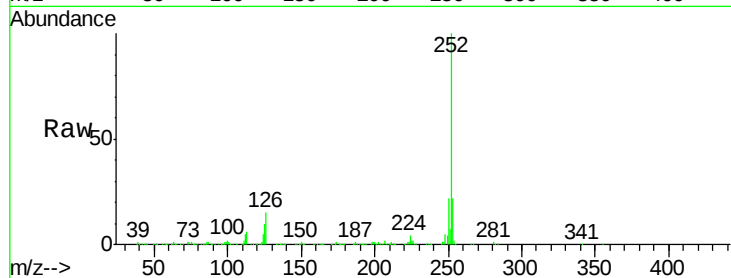
Tot Ion:252 Resp: 1743254

Ion Ratio Lower Upper

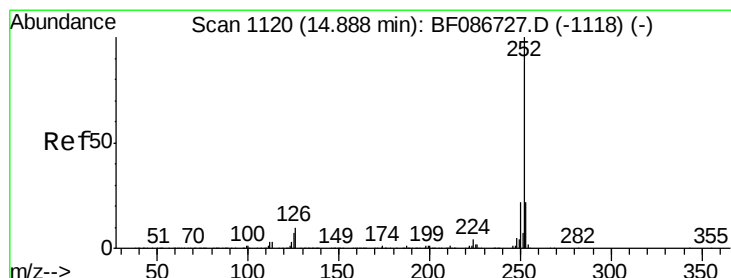
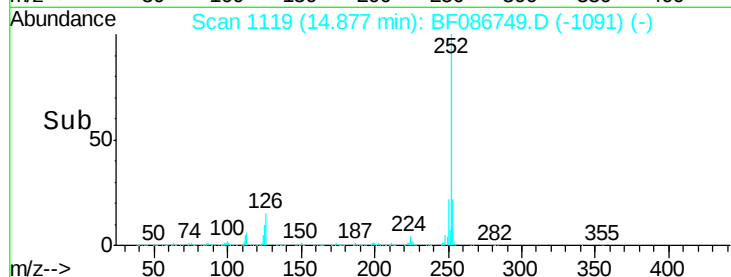
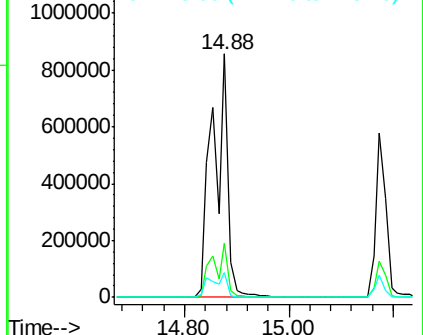
252 100

253 22.1 17.8 26.6

125 10.3 11.4 17.0#



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



#88

Benzo(k)fluoranthene

Concen: 87.76 ng

RT: 14.88 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

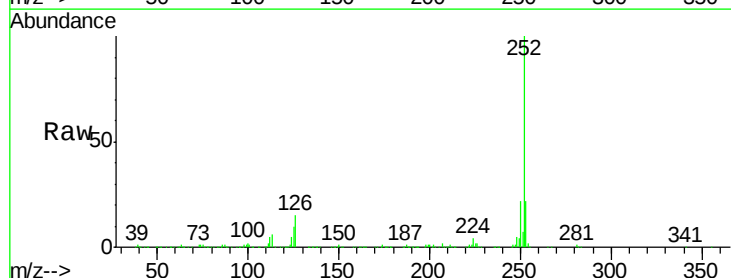
Tgt Ion:252 Resp: 1745436

Ion Ratio Lower Upper

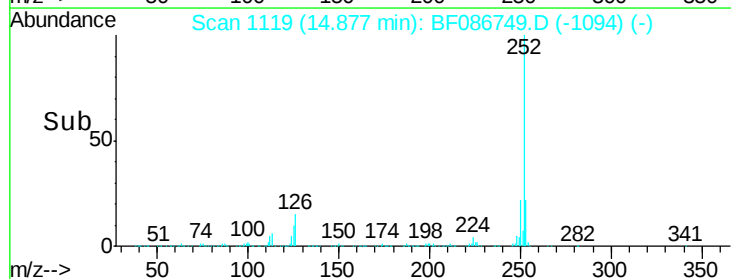
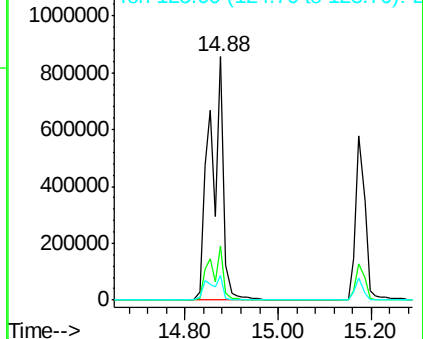
252 100

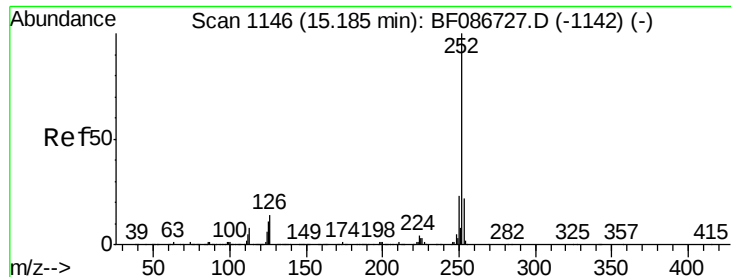
253 22.1 17.8 26.6

125 10.3 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: 40.88 ng

RT: 15.17 min Scan# 1145

Delta R.T. -0.01 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

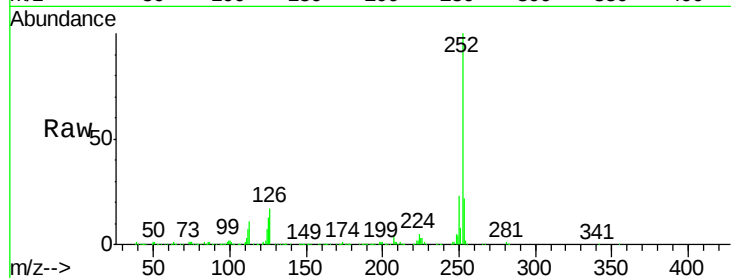
Tot Ion:252 Resp: 794804

Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

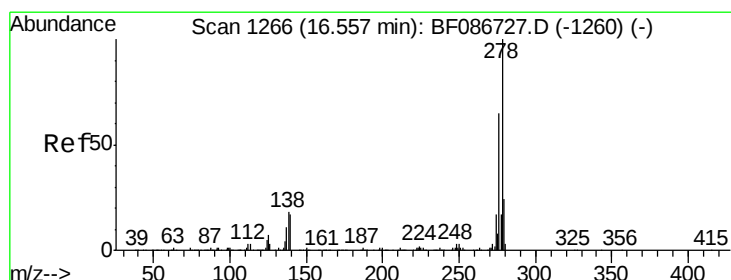
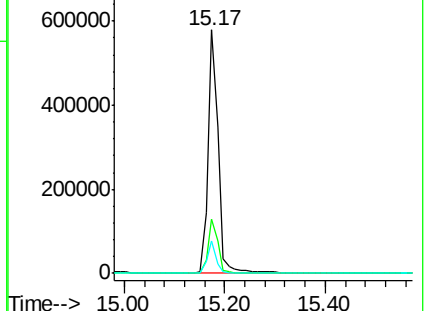
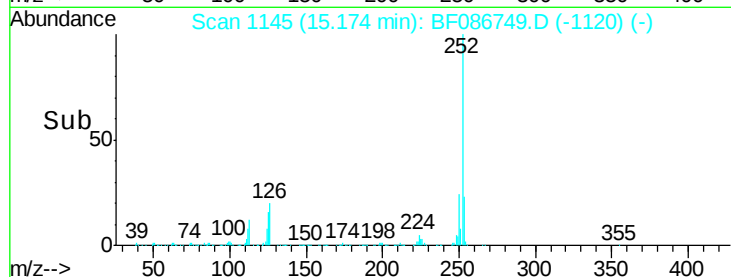
125 13.5 9.0 13.6



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: 36.64 ng

RT: 16.55 min Scan# 1265

Delta R.T. -0.01 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

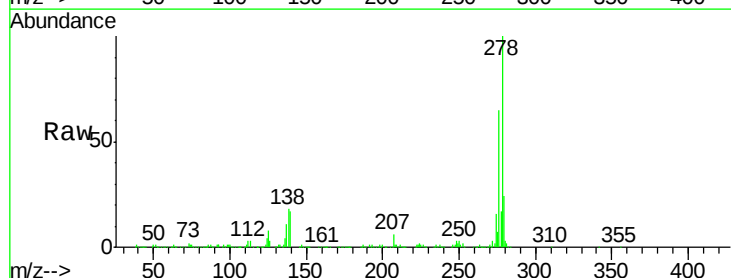
Tgt Ion:278 Resp: 684260

Ion Ratio Lower Upper

278 100

139 16.7 16.6 24.8

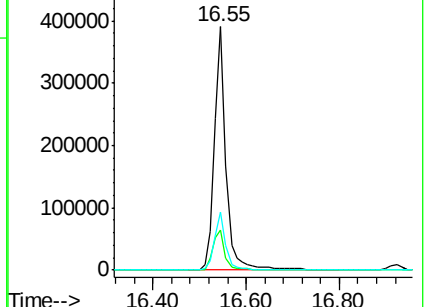
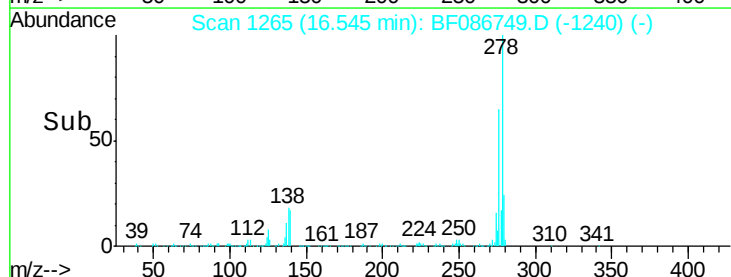
279 24.0 19.6 29.4

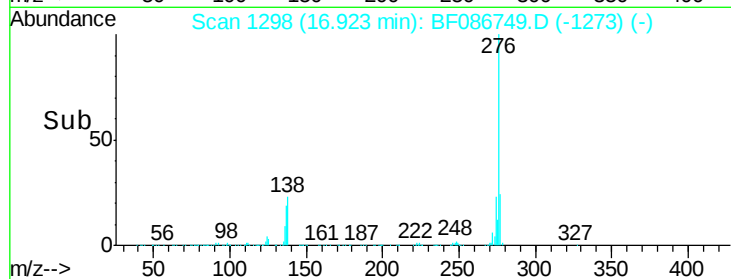
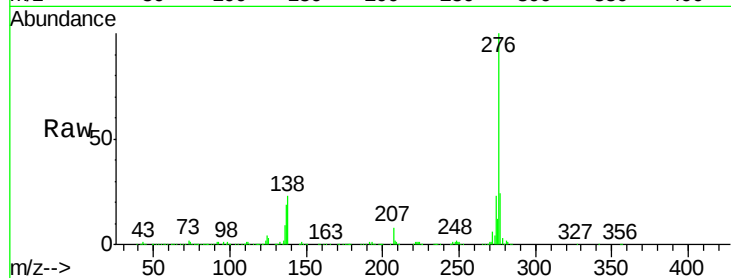
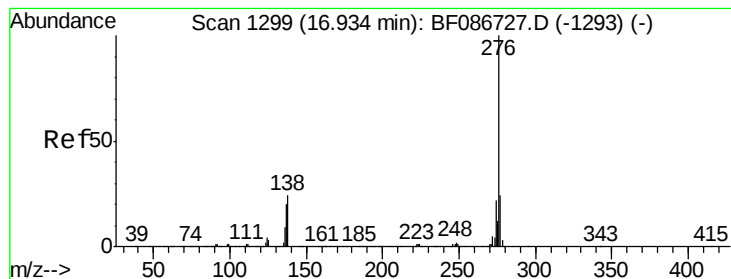


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 33.97 ng

RT: 16.92 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF086749.D

Acq: 7 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 666167

Ion Ratio Lower Upper

276 100

277 23.7 19.6 29.4

138 22.9 23.6 35.4#

