

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050616\
 Data File : BF086748.D
 Acq On : 7 May 2016 2:47
 Operator : UM/SJ
 Sample : PB90223BS
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 07 03:29:45 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	170826	40.00	ng	0.00
21) Naphthalene-d8	8.00	136	711216	40.00	ng	0.00
38) Acenaphthene-d10	9.74	164	337278	40.00	ng	0.00
63) Phenanthrene-d10	11.22	188	584901	40.00	ng	-0.01
75) Chrysene-d12	13.86	240	376982	40.00	ng	0.00
86) Perylene-d12	15.23	264	333856	40.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	1170248	113.41	ng	0.00
7) Phenol-d6	6.37	99	1582494	113.85	ng	-0.01
23) Nitrobenzene-d5	7.28	82	1155818	83.51	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	423897	128.48	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	1782586	86.64	ng	-0.01
78) Terphenyl-d14	12.81	244	1534030	82.24	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.32	88	146538	27.48	ng	# 69
3) Pyridine	3.05	79	450601	34.46	ng	# 65
4) n-Nitrosodimethylamine	2.94	42	318067	40.10	ng	# 49
6) Aniline	6.38	93	377191	21.99	ng	# 1
8) 2-Chlorophenol	6.50	128	475245	38.38	ng	89
9) Benzaldehyde	6.26	77	62550	9.02	ng	97
10) Phenol	6.38	94	504137	33.15	ng	# 46
11) bis(2-Chloroethyl)ether	6.45	93	444129	33.93	ng	85
12) 1,3-Dichlorobenzene	6.65	146	497350	37.83	ng	98
13) 1,4-Dichlorobenzene	6.73	146	503281	37.02	ng	99
14) 1,2-Dichlorobenzene	6.88	146	446424	37.71	ng	97
15) Benzyl Alcohol	6.86	79	407930	45.36	ng	# 84
16) 2,2'-oxybis(1-Chloropropan	7.00	45	993434	37.12	ng	98
17) 2-Methylphenol	6.99	107	391877	39.30	ng	# 82
18) Hexachloroethane	7.22	117	198704	38.71	ng	# 86
19) n-Nitroso-di-n-propylamine	7.14	70	366020	38.54	ng	# 68
20) 3+4-Methylphenols	7.15	107	518785	44.44	ng	# 60
22) Acetophenone	7.13	105	679158	40.98	ng	# 98
24) Nitrobenzene	7.30	77	538150	37.61	ng	98
25) Isophorone	7.55	82	1012061	39.27	ng	96
26) 2-Nitrophenol	7.62	139	269302	42.18	ng	# 88
27) 2,4-Dimethylphenol	7.68	122	430844	38.43	ng	96
28) bis(2-Chloroethoxy)methane	7.76	93	602939	42.50	ng	98
29) 2,4-Dichlorophenol	7.87	162	408329	42.36	ng	92
30) 1,2,4-Trichlorobenzene	7.94	180	437849	40.72	ng	98
31) Naphthalene	8.02	128	1460580	40.20	ng	99
32) Benzoic acid	7.82	122	272303	59.76	ng	# 83
33) 4-Chloroaniline	8.08	127	167624	11.91	ng	# 94
34) Hexachlorobutadiene	8.13	225	242924	39.79	ng	99
35) Caprolactam	8.52	113	52584	17.63	ng	# 65
36) 4-Chloro-3-methylphenol	8.58	107	441100	40.11	ng	92
37) 2-Methylnaphthalene	8.81	142	897384	41.86	ng	95
39) 1,2,4,5-Tetrachlorobenzene	8.88	216	395708	40.53	ng	97
40) Hexachlorocyclopentadiene	8.85	237	455279	99.55	ng	96

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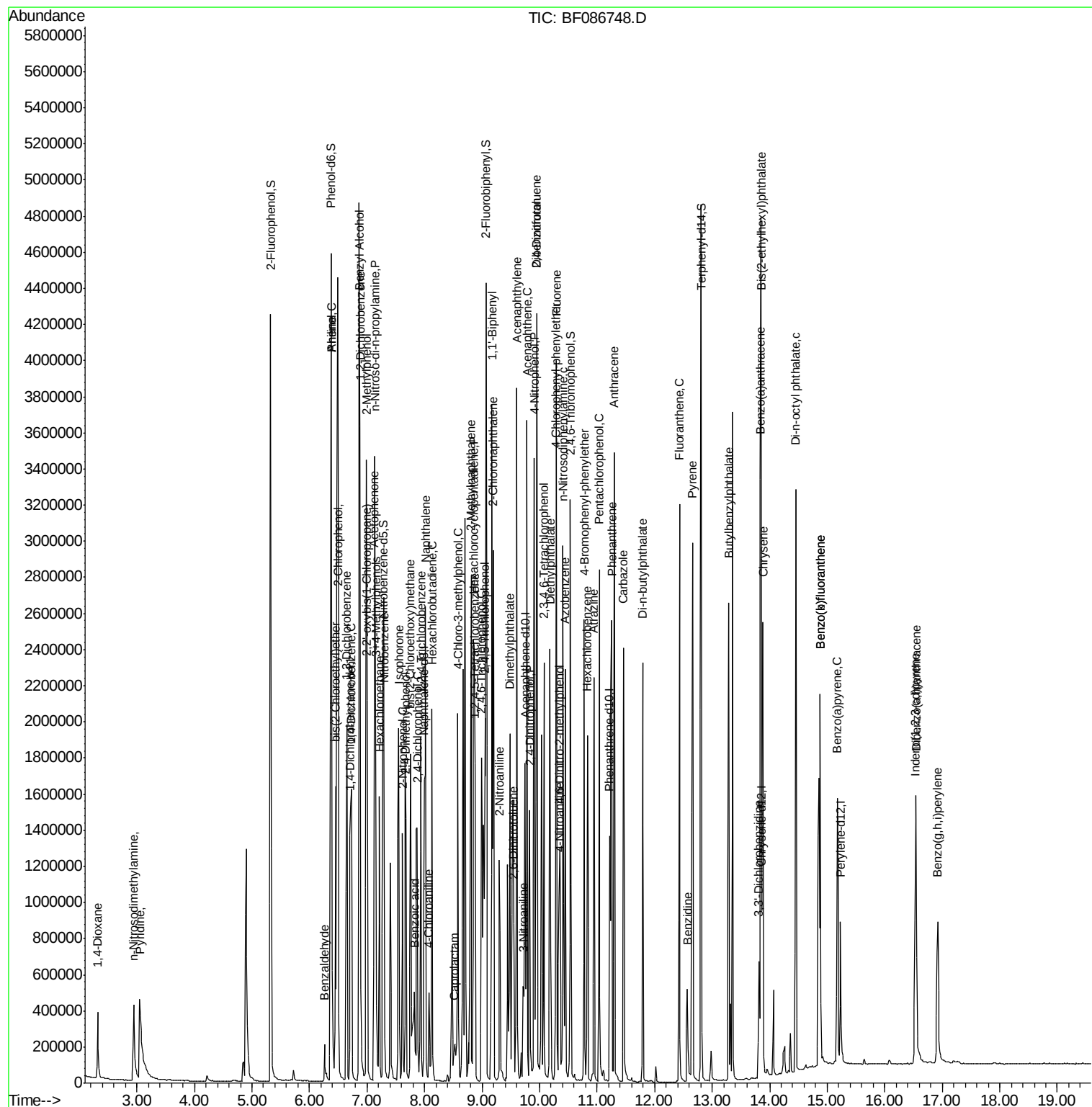
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.99	196	274081	44.15	nq	97
43) 2,4,5-Trichlorophenol	9.05	196	297937	45.94	nq	96
45) 1,1'-Biphenyl	9.17	154	1161735	42.13	nq	97
46) 2-Chloronaphthalene	9.20	162	878579	41.29	nq	95
47) 2-Nitroaniline	9.30	65	293506	38.80	nq	# 72
48) Acenaphthylene	9.61	152	1242911	39.35	nq	99
49) Dimethylphthalate	9.48	163	984022	39.14	nq	99
50) 2,6-Dinitrotoluene	9.55	165	222788	41.29	nq	# 67
51) Acenaphthene	9.78	154	818962	39.30	nq	99
52) 3-Nitroaniline	9.72	138	110553	18.02	nq	95
53) 2,4-Dinitrophenol	9.82	184	206572	87.70	nq	92
54) Dibenzofuran	9.95	168	1040835	40.30	nq	93
55) 4-Nitrophenol	9.90	139	273832	76.57	nq	# 50
56) 2,4-Dinitrotoluene	9.95	165	284155	42.49	nq	# 87
57) Fluorene	10.29	166	900149	43.00	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.08	232	234260	49.18	nq	96
59) Diethylphthalate	10.18	149	924167	38.83	nq	99
60) 4-Chlorophenyl-phenylether	10.28	204	397537	39.95	nq	96
61) 4-Nitroaniline	10.34	138	226599	38.45	nq	# 80
62) Azobenzene	10.44	77	1105978	41.94	nq	84
64) 4,6-Dinitro-2-methylphenol	10.35	198	141354	47.86	nq	# 22
65) n-Nitrosodiphenylamine	10.41	169	746571	40.20	nq	99
66) 4-Bromophenyl-phenylether	10.77	248	249953	43.00	nq	99
67) Hexachlorobenzene	10.83	284	290365	40.96	nq	# 63
68) Atrazine	10.94	200	231951	40.75	nq	95
69) Pentachlorophenol	11.04	266	289128	83.76	nq	98
70) Phenanthrene	11.25	178	1353985	43.10	nq	100
71) Anthracene	11.30	178	1275692	38.78	nq	99
72) Carbazole	11.46	167	1073845	37.59	nq	98
73) Di-n-butylphthalate	11.79	149	1386046	40.87	nq	# 97
74) Fluoranthene	12.43	202	1257543	39.94	nq	97
76) Benzidine	12.57	184	309565	32.64	nq	95
77) Pyrene	12.66	202	1333476	44.37	nq	100
79) Butylbenzylphthalate	13.29	149	608184	48.31	nq	# 85
80) Benzo(a)anthracene	13.84	228	939931	44.09	nq	99
81) 3,3'-Dichlorobenzidine	13.81	252	159483	11.90	nq	# 97
82) Chrysene	13.88	228	1033202	45.42	nq	99
83) Bis(2-ethylhexyl)phthalate	13.85	149	755358	51.85	nq	98
84) Di-n-octyl phthalate	14.45	149	1264998	59.01	nq	# 84
85) Indeno(1,2,3-cd)pyrene	16.53	276	814895	41.76	nq	96
87) Benzo(b)fluoranthene	14.88	252	1722539	85.86	nq	# 97
88) Benzo(k)fluoranthene	14.88	252	1724820	91.25	nq	99
89) Benzo(a)pyrene	15.17	252	797868	43.18	nq	# 96
90) Dibenzo(a,h)anthracene	16.55	278	688916	38.81	nq	96
91) Benzo(g,h,i)perylene	16.92	276	678656	36.42	nq	# 92

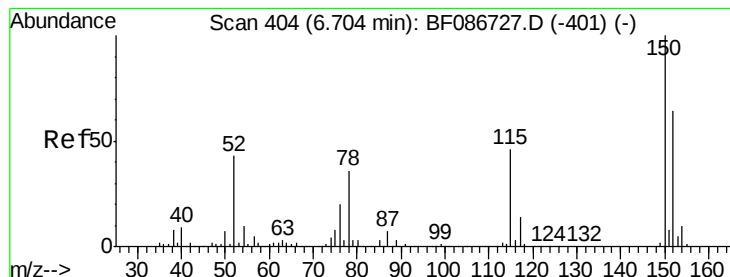
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampleId :

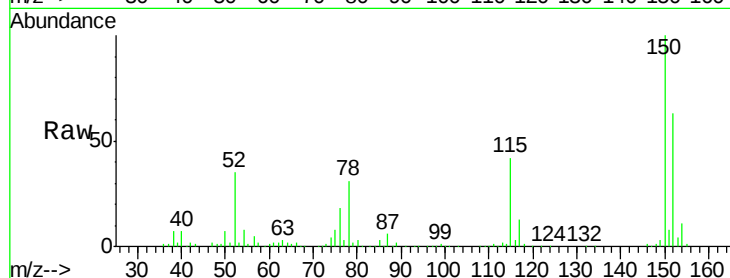
Tot Ion:152 Resp: 170826

Ion Ratio Lower Upper

152 100

150 157.9 125.8 188.6

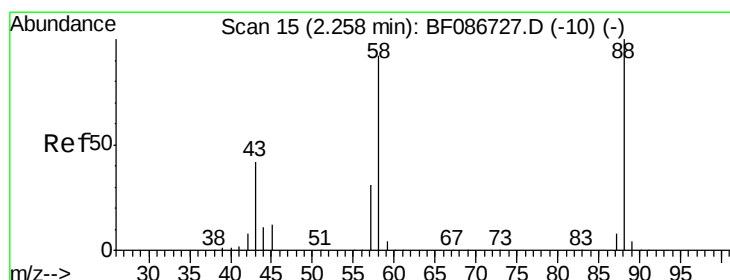
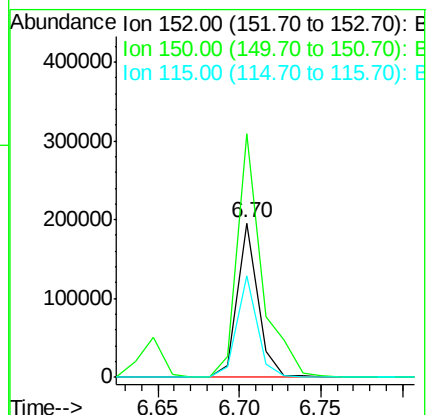
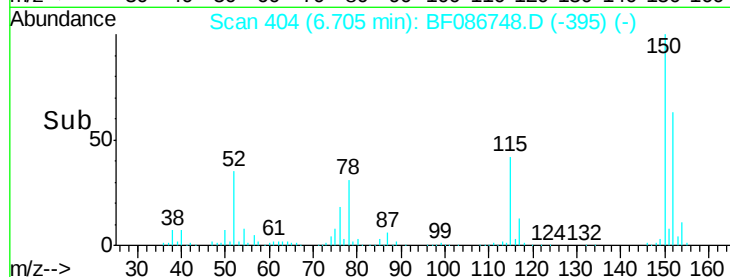
115 66.0 51.5 77.3



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: 27.48 ng

RT: 2.32 min Scan# 20

Delta R.T. 0.06 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

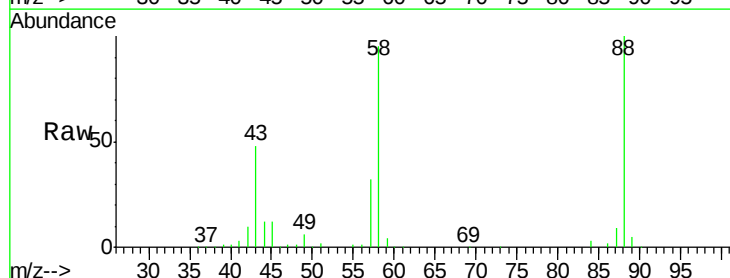
Tgt Ion: 88 Resp: 146538

Ion Ratio Lower Upper

88 100

58 98.0 59.6 89.4#

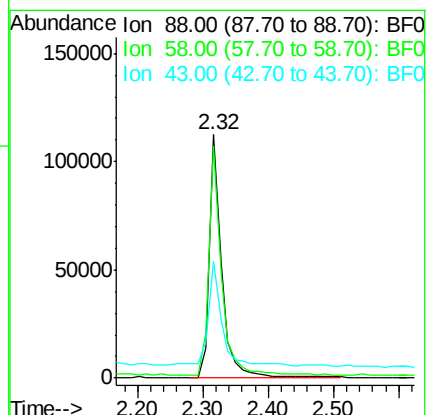
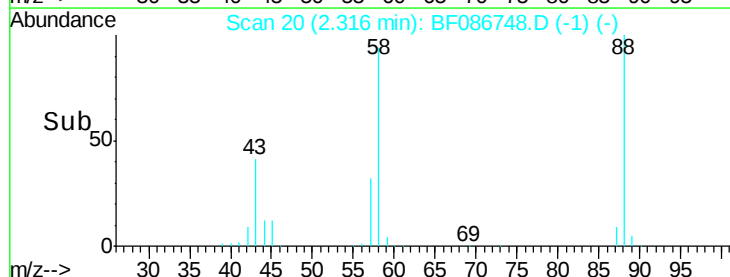
43 48.2 21.8 32.6#

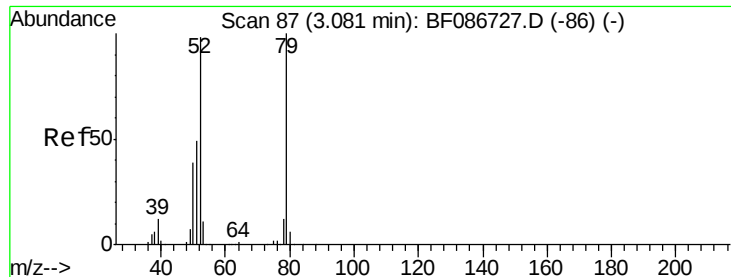


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

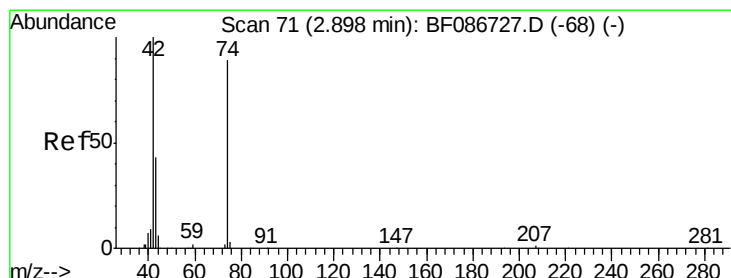
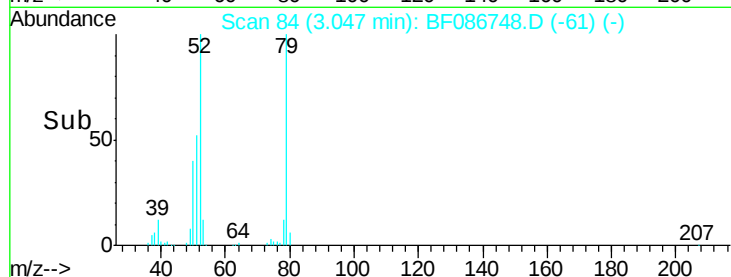
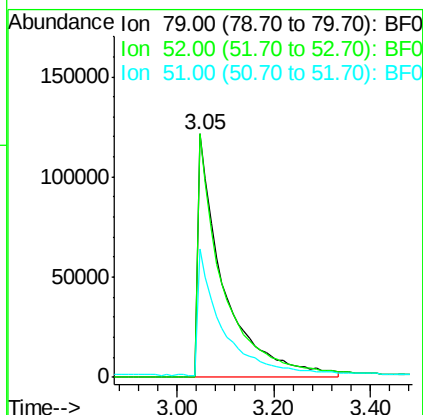
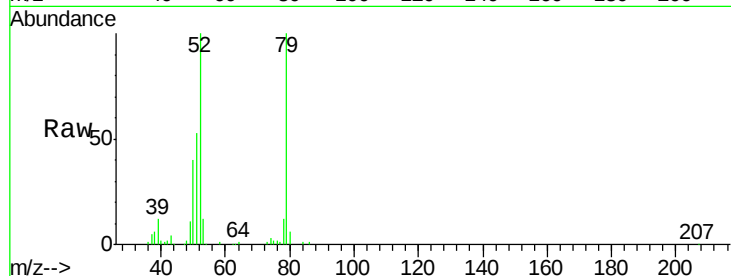




#3
 Pvridine
 Concen: 34.46 ng
 RT: 3.05 min Scan# 84
 Delta R.T. -0.03 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

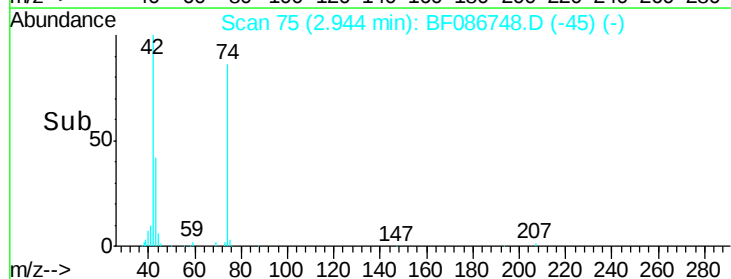
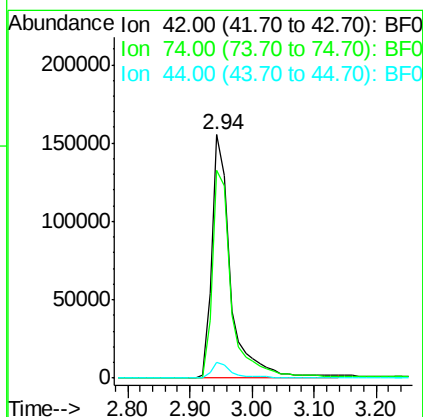
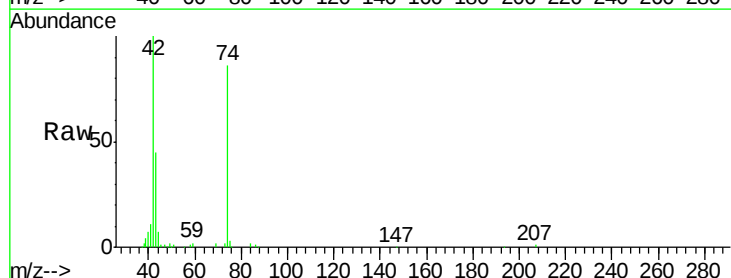
Instrument :
 BNA_F
 ClientSampleId :

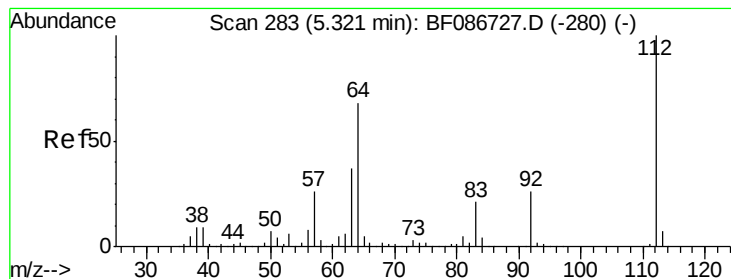
Tot Ion: 79 Resp: 450601
 Ion Ratio Lower Upper
 79 100
 52 100.2 55.9 83.9#
 51 52.7 28.1 42.1#



#4
 n-Nitrosodimethylamine
 Concen: 40.10 ng
 RT: 2.94 min Scan# 75
 Delta R.T. 0.05 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Tgt Ion: 42 Resp: 318067
 Ion Ratio Lower Upper
 42 100
 74 85.6 123.4 185.0#
 44 6.6 5.8 8.6





#5

2-Fluorophenol

Concen: 113.41 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :
BNA_F
ClientSampleId :

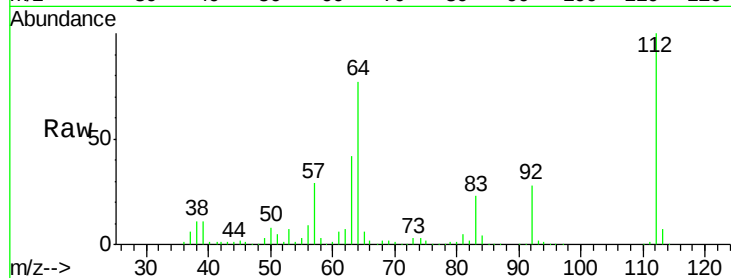
Tot Ion:112 Resp: 1170248

Ion Ratio Lower Upper

112 100

64 76.7 52.1 78.1

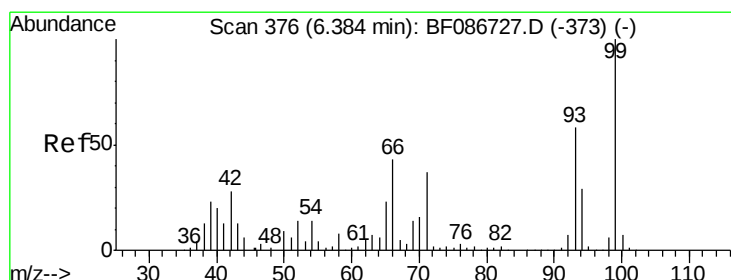
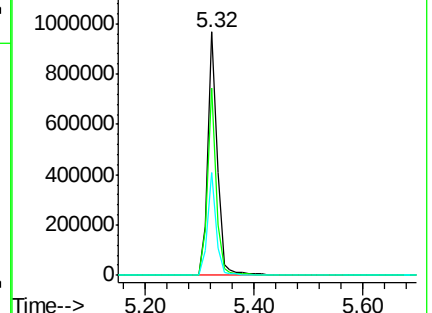
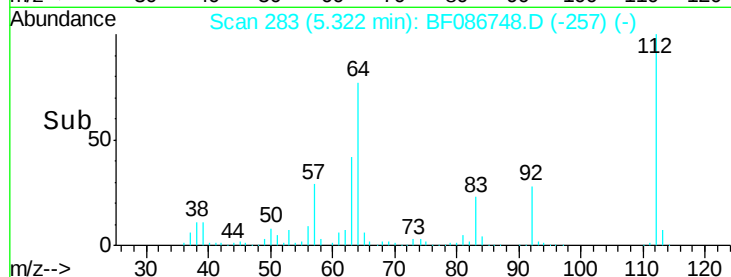
63 42.3 25.7 38.5#



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: 21.99 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

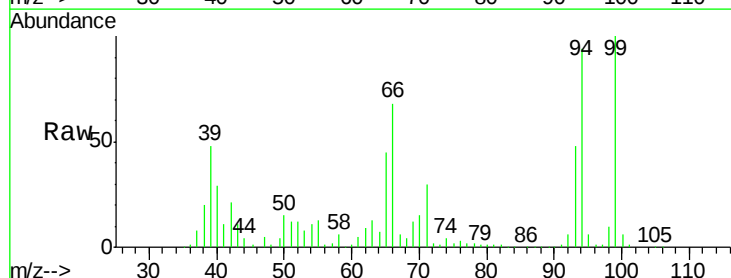
Tgt Ion: 93 Resp: 377191

Ion Ratio Lower Upper

93 100

66 141.1 39.0 58.6#

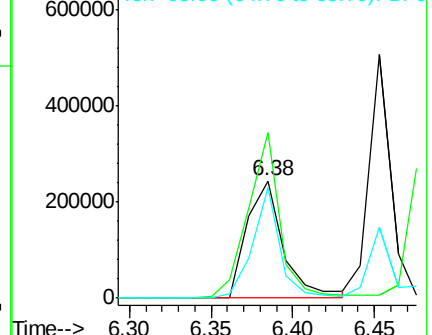
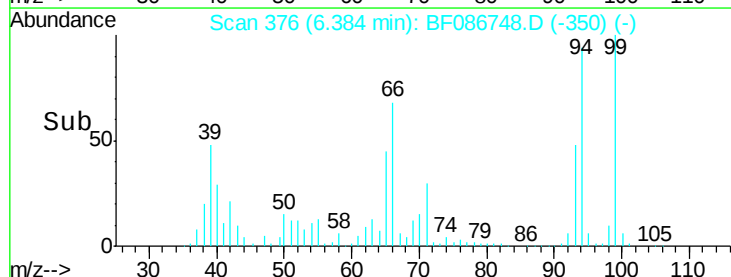
65 93.9 20.6 31.0#

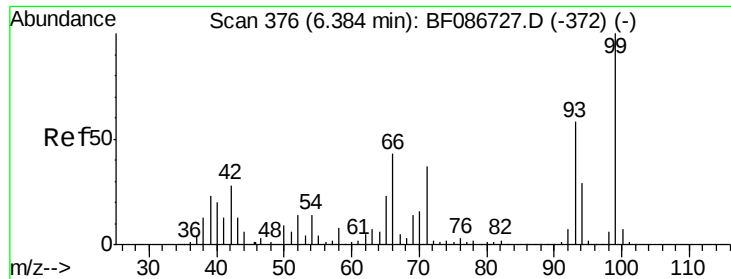


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 113.85 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

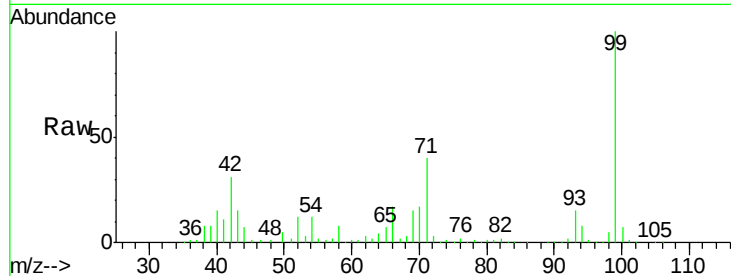
Instrument :

BNA_F

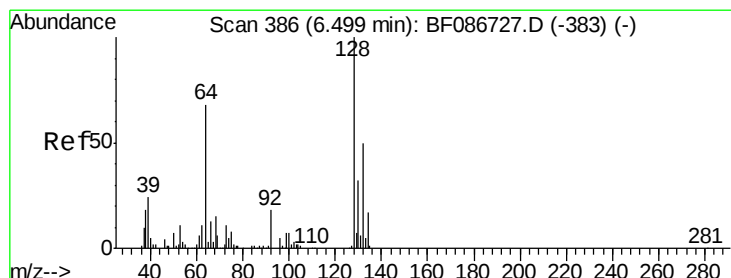
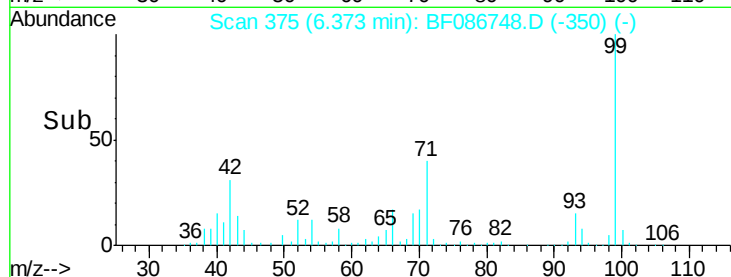
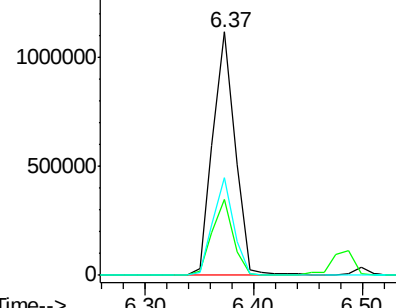
ClientSampled :

Tot Ion: 99 Resp: 1582494

Ion	Ratio	Lower	Upper
99	100		
42	31.1	13.6	20.4#
71	40.0	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: 38.38 ng

RT: 6.50 min Scan# 386

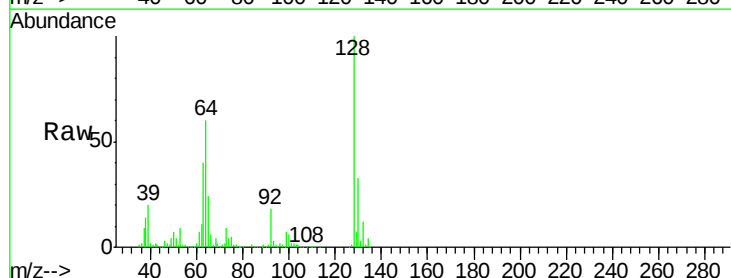
Delta R.T. 0.00 min

Lab File: BF086748.D

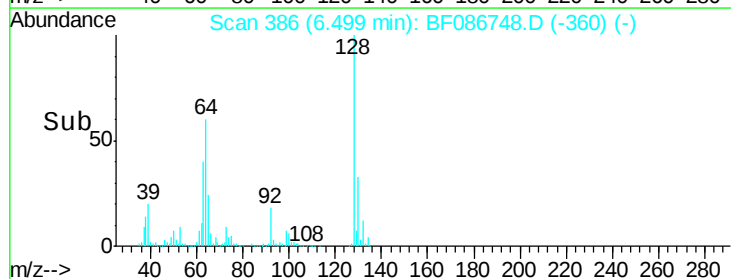
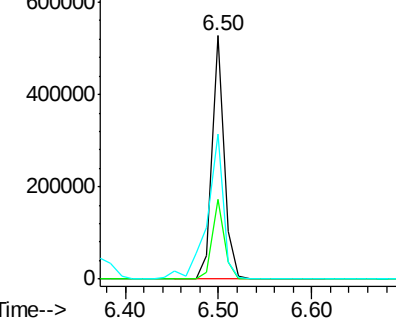
Acq: 7 May 2016 2:47

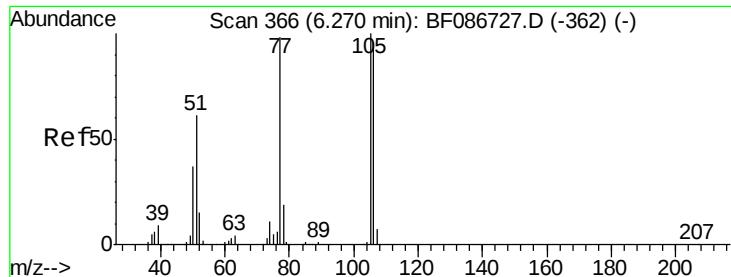
Tgt Ion: 128 Resp: 475245

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.5	52.5
64	59.6	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: 9.02 ng

RT: 6.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampled :

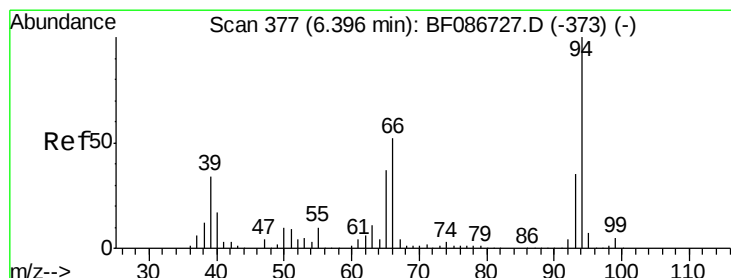
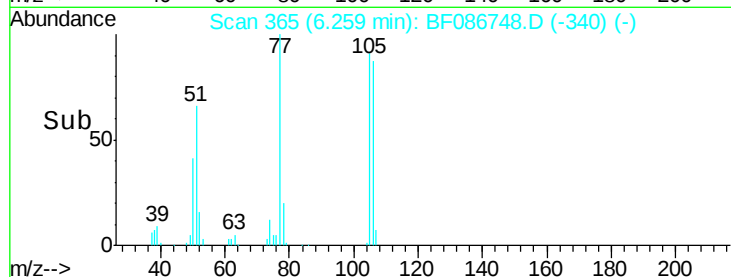
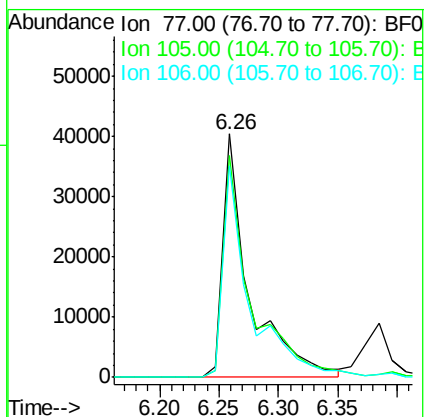
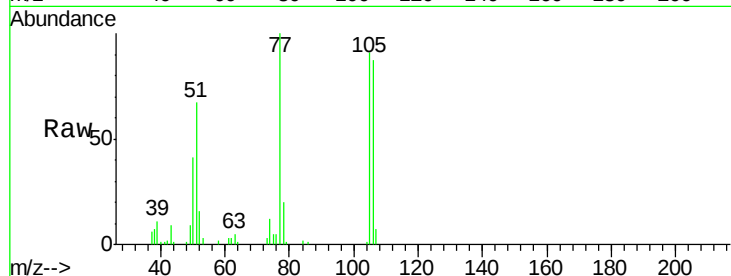
Tot Ion: 77 Resp: 62550

Ion Ratio Lower Upper

77 100

105 91.1 72.7 112.7

106 86.9 70.8 110.8



#10

Phenol

Concen: 33.15 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

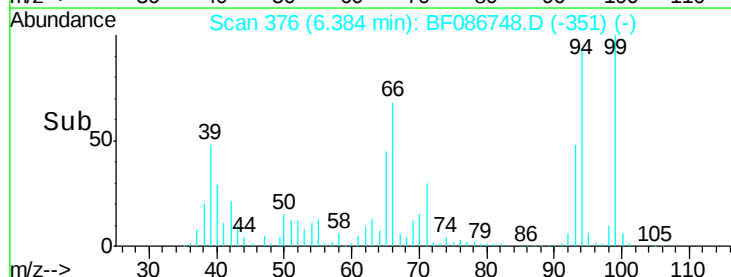
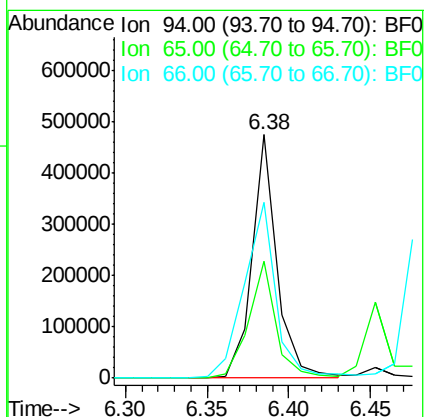
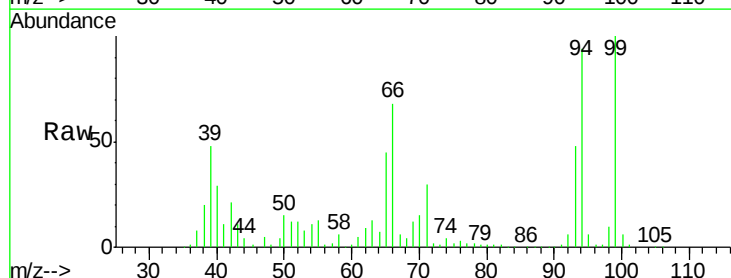
Tgt Ion: 94 Resp: 504137

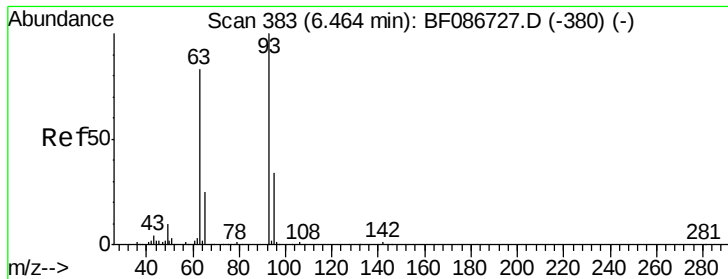
Ion Ratio Lower Upper

94 100

65 48.1 7.2 47.2#

66 72.2 14.9 54.9#

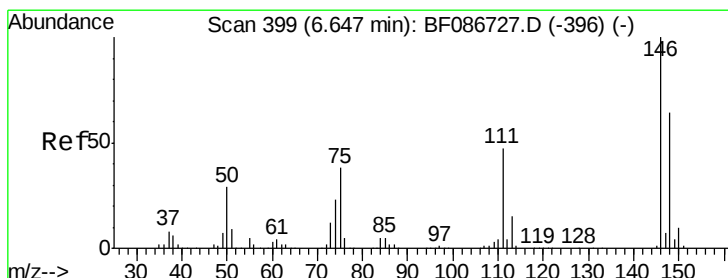
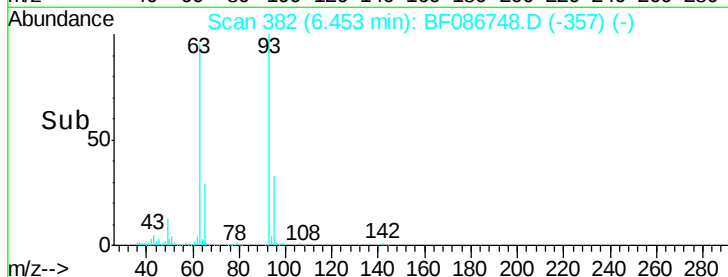
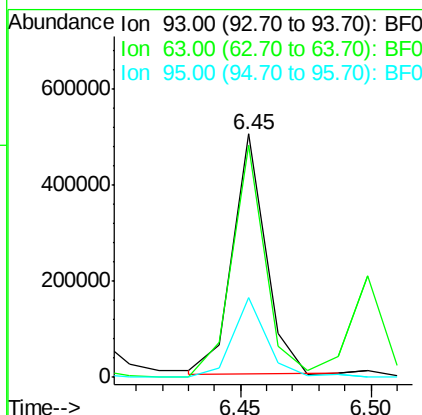
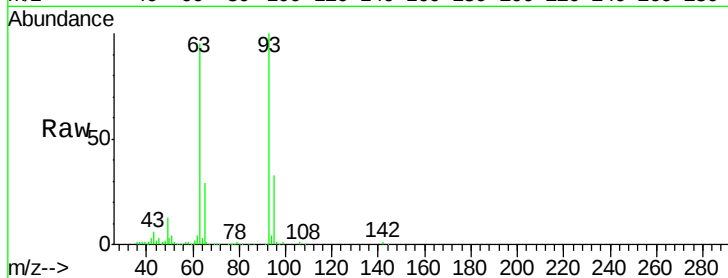




#11
bis(2-Chloroethyl)ether
Concen: 33.93 ng
RT: 6.45 min Scan# 382
Delta R.T. -0.01 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

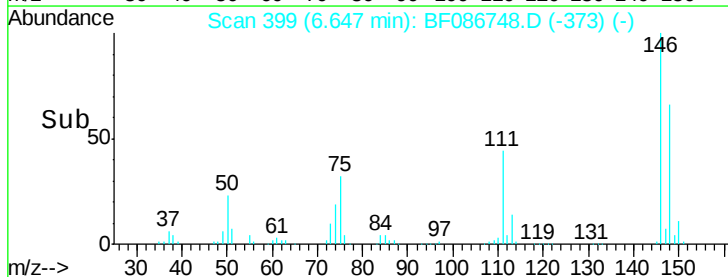
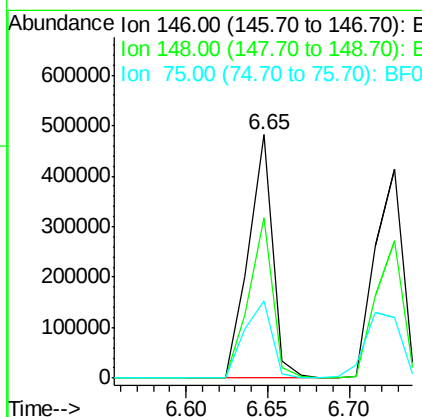
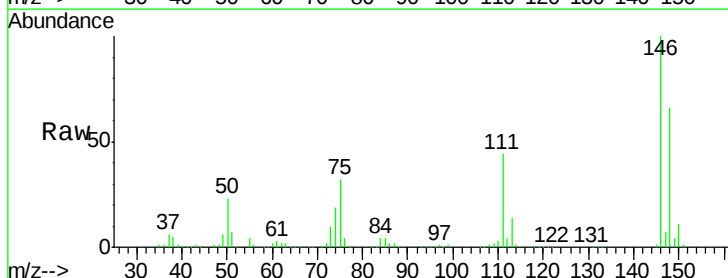
Instrument :
BNA_F
ClientSampleId :

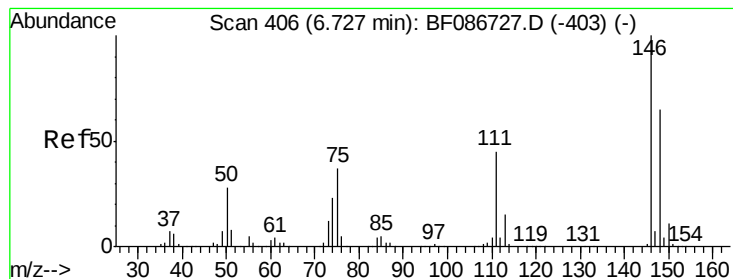
Tot Ion: 93 Resp: 444129
Ion Ratio Lower Upper
93 100
63 95.3 58.0 98.0
95 32.7 11.9 51.9



#12
1,3-Dichlorobenzene
Concen: 37.83 ng
RT: 6.65 min Scan# 399
Delta R.T. 0.00 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Tgt Ion: 146 Resp: 497350
Ion Ratio Lower Upper
146 100
148 65.8 52.4 78.6
75 31.6 22.8 34.2





#13

1,4-Dichlorobenzene

Concen: 37.02 ng

RT: 6.73 min Scan# 406

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampleId :

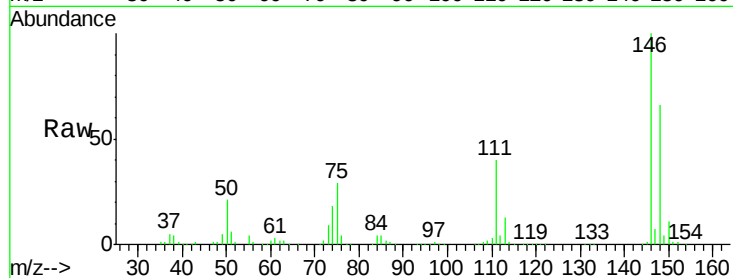
Tot Ion:146 Resp: 503281

Ion Ratio Lower Upper

146 100

148 65.6 52.2 78.4

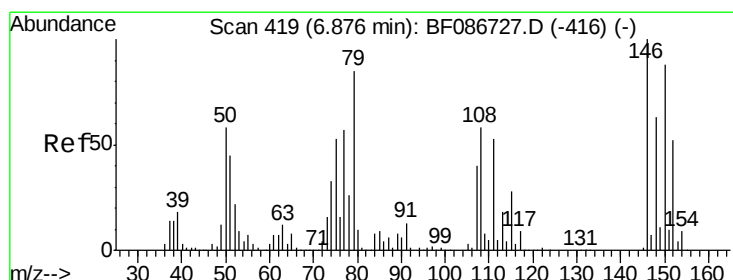
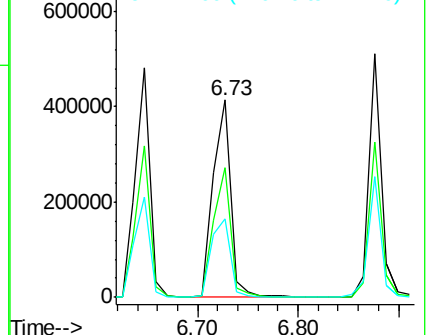
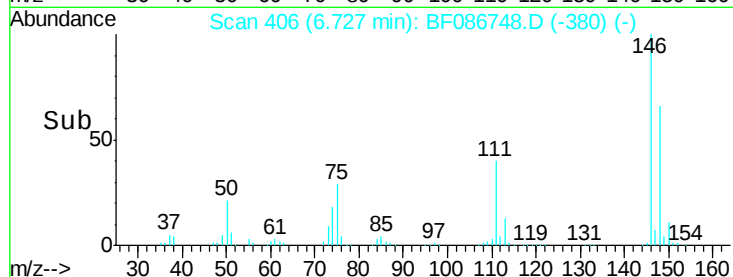
111 39.6 30.7 46.1



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: 37.71 ng

RT: 6.88 min Scan# 419

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

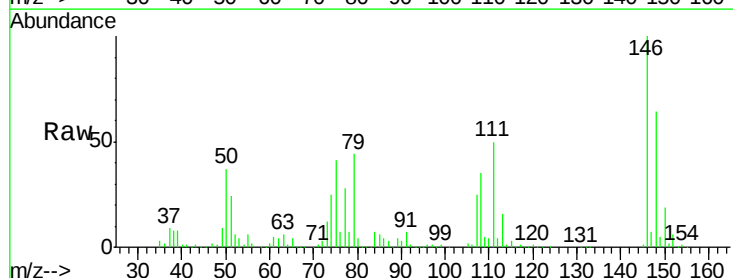
Tgt Ion:146 Resp: 446424

Ion Ratio Lower Upper

146 100

148 63.8 51.0 76.6

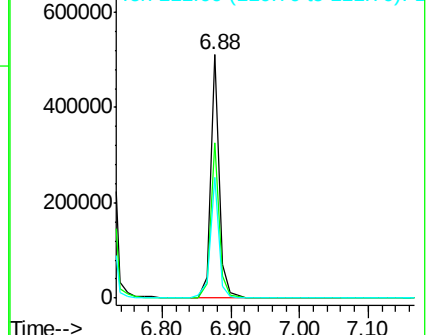
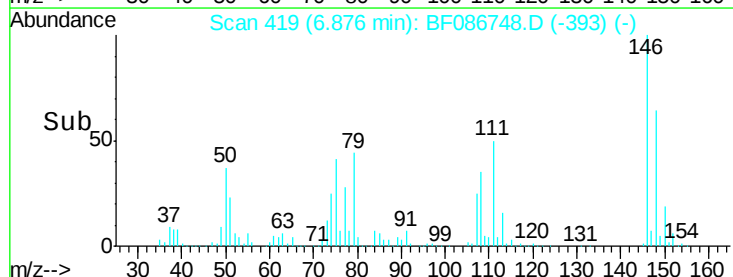
111 49.7 36.2 54.4

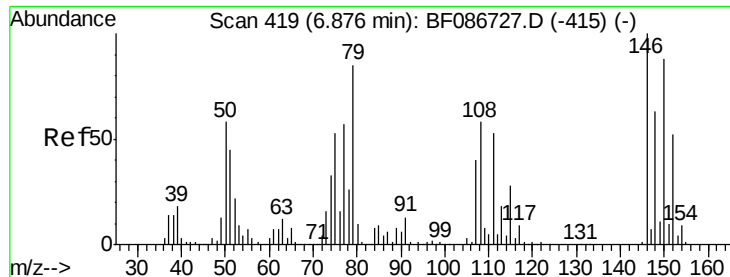


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 45.36 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

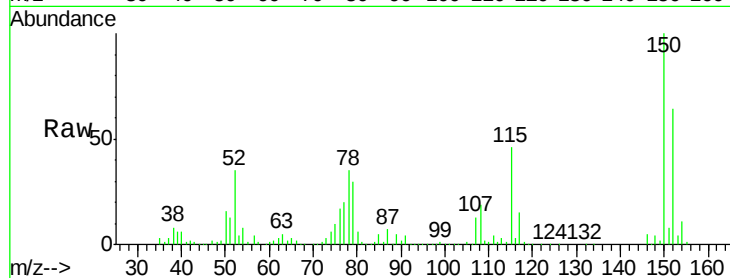
BNA_F

ClientSampled :

Tot Ion: 79 Resp: 407930

Ion Ratio Lower Upper

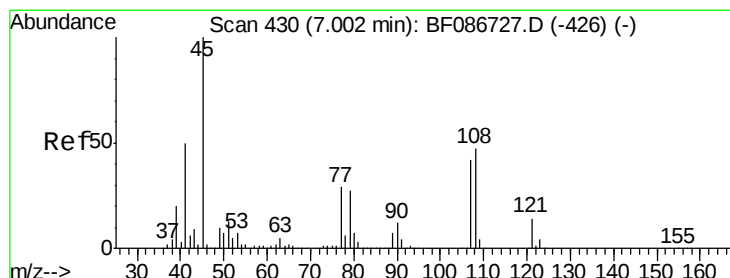
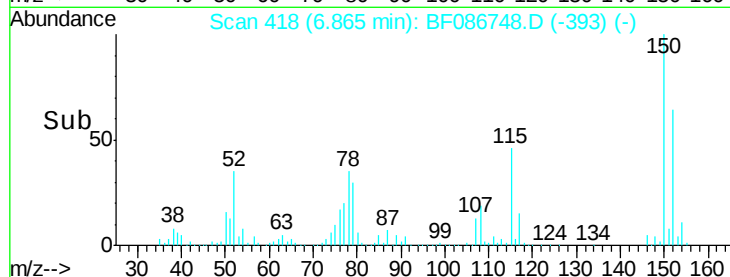
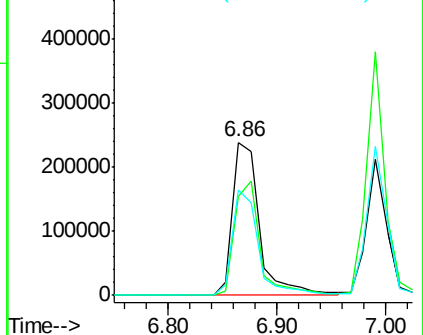
79	100		
108	64.6	68.4	102.6#
77	68.7	50.6	76.0



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: 37.12 ng

RT: 7.00 min Scan# 430

Delta R.T. 0.00 min

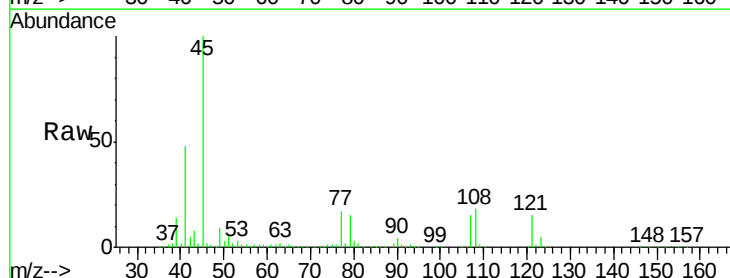
Lab File: BF086748.D

Acq: 7 May 2016 2:47

Tgt Ion: 45 Resp: 993434

Ion Ratio Lower Upper

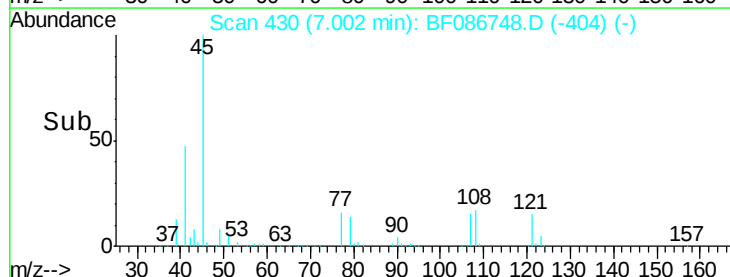
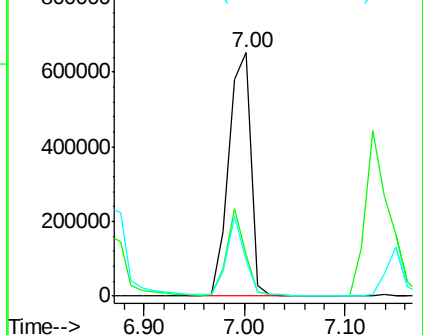
45	100		
77	17.0	0.0	36.4
79	14.8	0.0	33.4

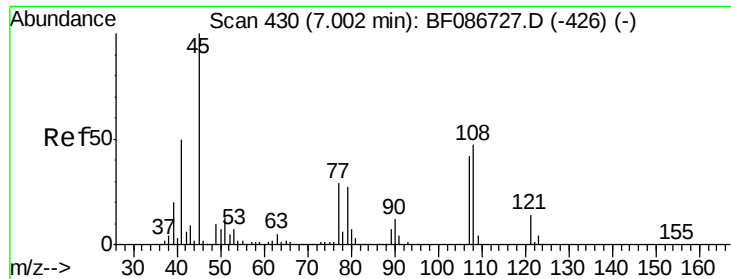


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 39.30 ng

RT: 6.99 min Scan# 429

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 391877

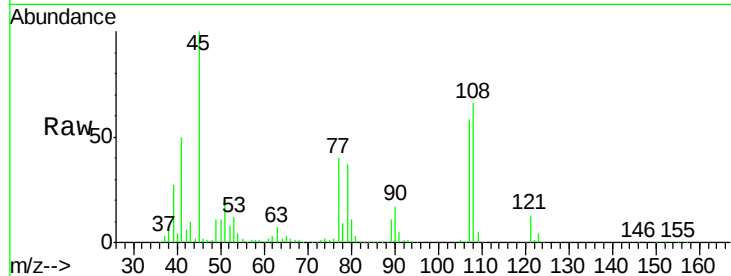
Ion Ratio Lower Upper

107 100

108 114.1 93.7 140.5

77 69.9 33.4 50.0#

79 63.9 34.3 51.5#

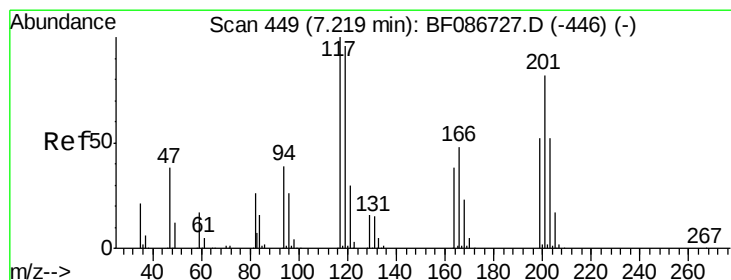
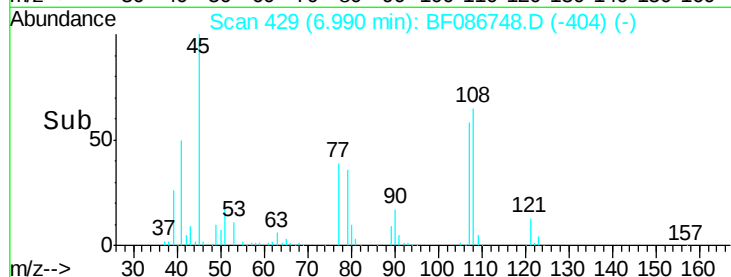
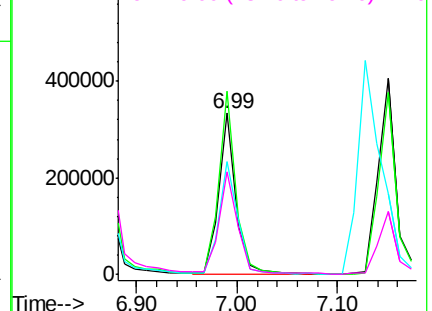


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 38.71 ng

RT: 7.22 min Scan# 449

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

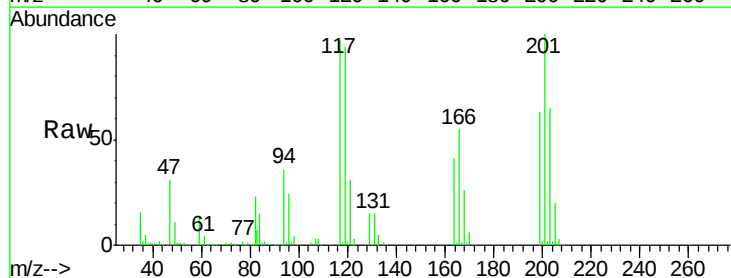
Tgt Ion:117 Resp: 198704

Ion Ratio Lower Upper

117 100

119 97.0 76.5 114.7

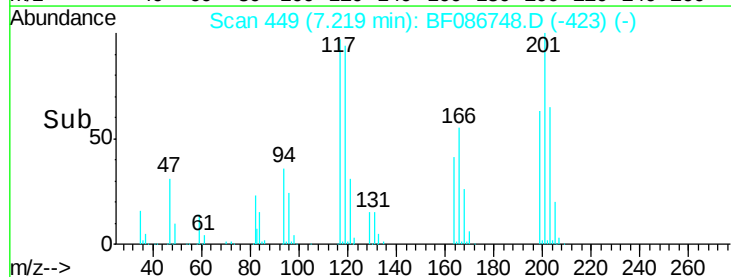
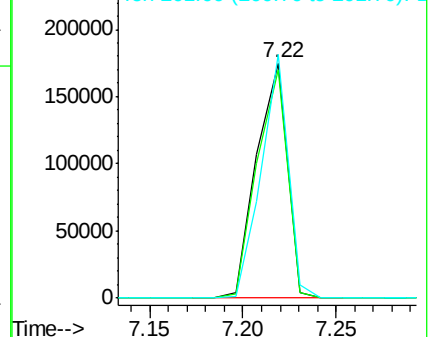
201 103.5 63.0 94.6#

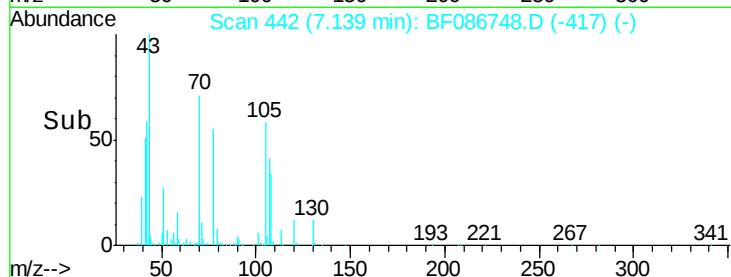
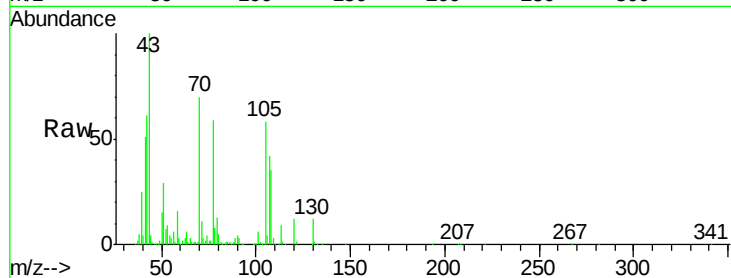
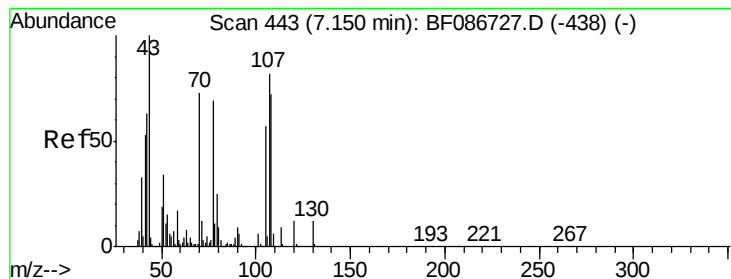


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 38.54 ng

RT: 7.14 min Scan# 442

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 366020

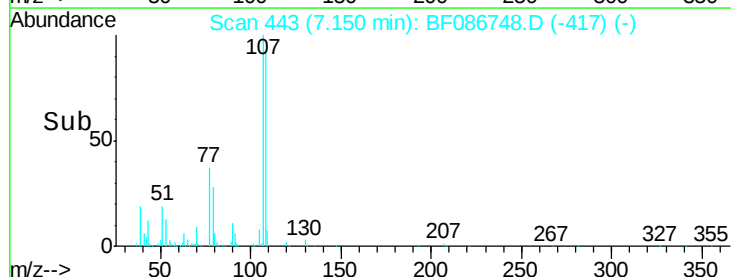
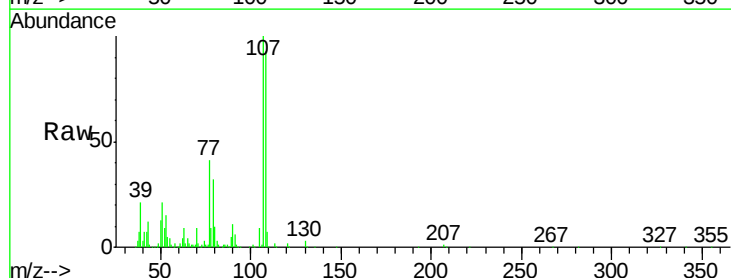
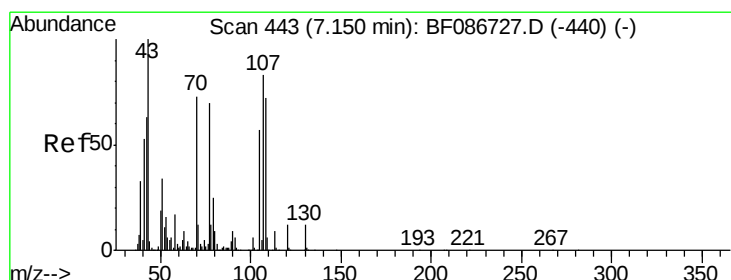
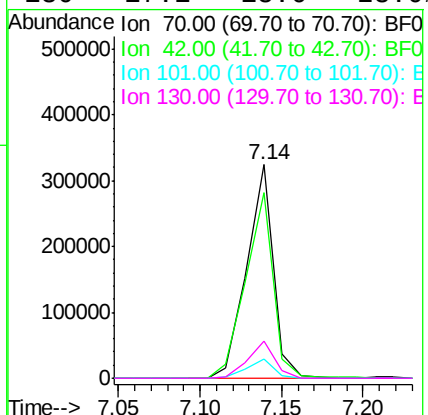
Ion Ratio Lower Upper

70 100

42 86.6 43.1 64.7#

101 8.8 8.1 12.1

130 17.1 18.6 28.0#



#20

3+4-Methylphenols

Concen: 44.44 ng

RT: 7.15 min Scan# 443

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Tgt Ion: 107 Resp: 518785

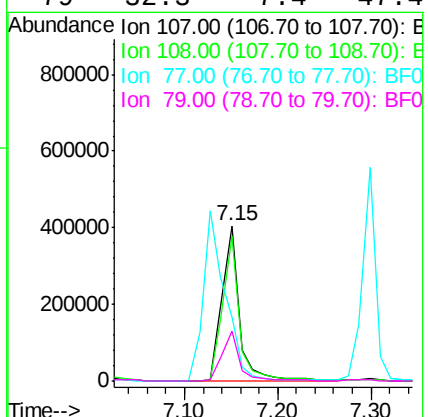
Ion Ratio Lower Upper

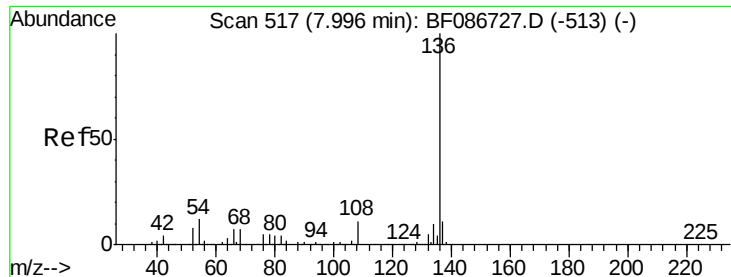
107 100

108 92.9 68.5 108.5

77 41.2 101.6 141.6#

79 32.3 7.4 47.4

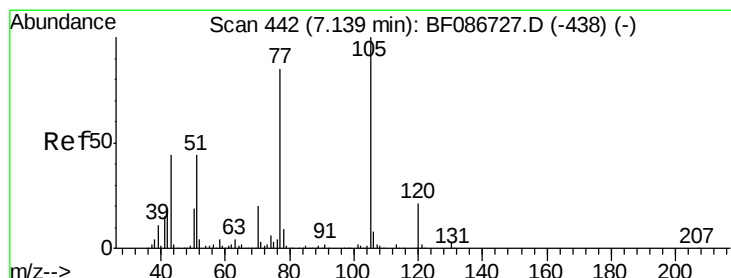
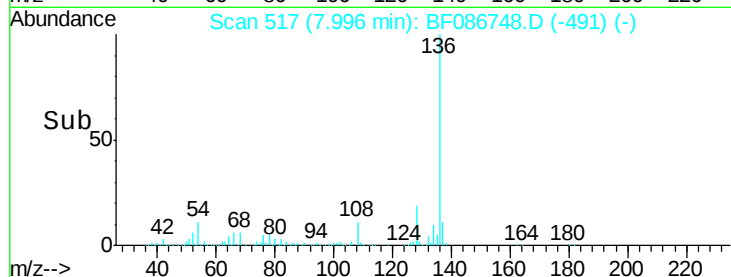
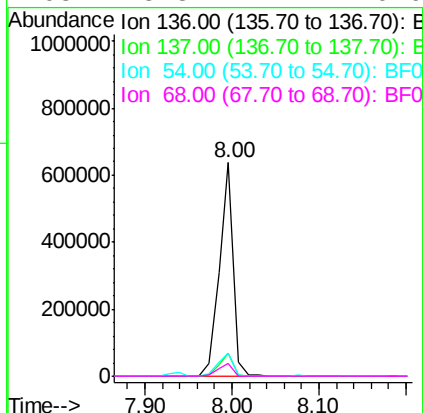
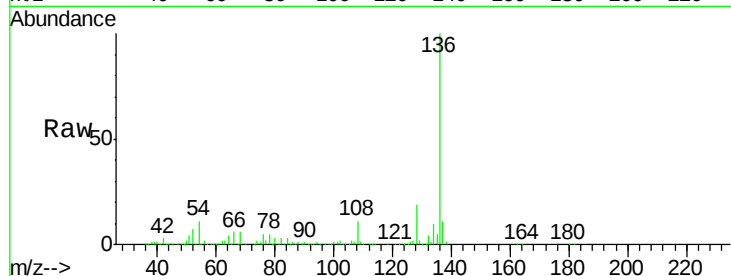




#21
Naphthalene-d8
Concen: 40.00 ng
RT: 8.00 min Scan# 517
Delta R.T. 0.00 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

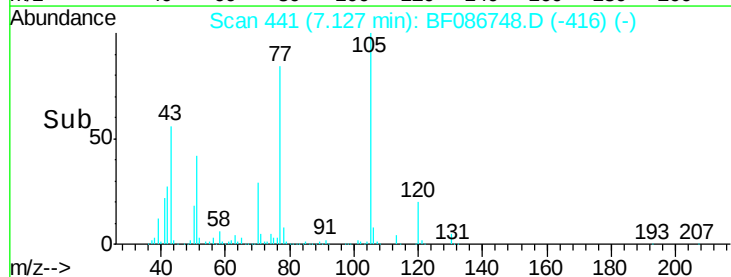
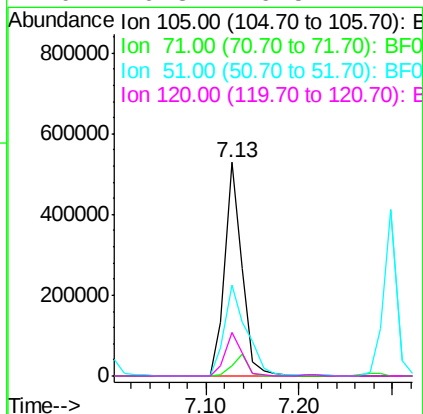
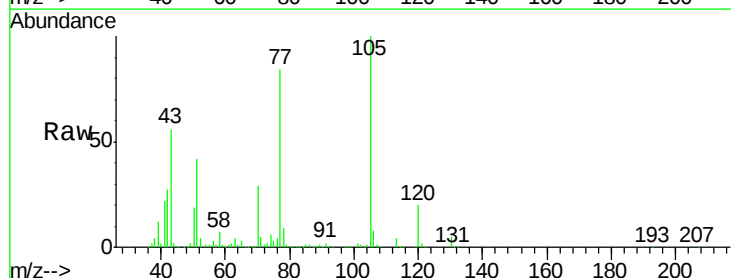
Instrument :
BNA_F
ClientSampled :

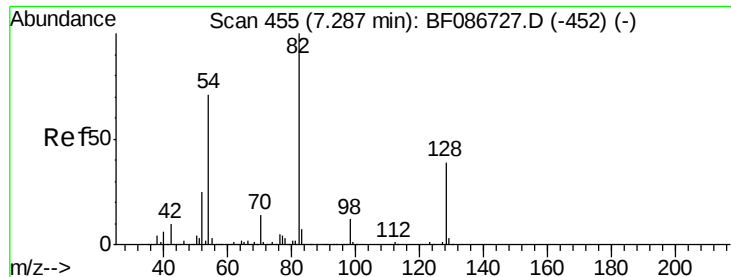
Tot Ion:136	Resp:	711216
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.8 13.2
54	10.6	5.0 7.4#
68	5.8	4.4 6.6



#22
Acetophenone
Concen: 40.98 ng
RT: 7.13 min Scan# 441
Delta R.T. -0.01 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Tgt Ion:105	Resp:	679158
Ion Ratio	Lower	Upper
105	100	
71	4.8	4.8 7.2#
51	42.4	32.6 49.0
120	20.3	16.5 24.7

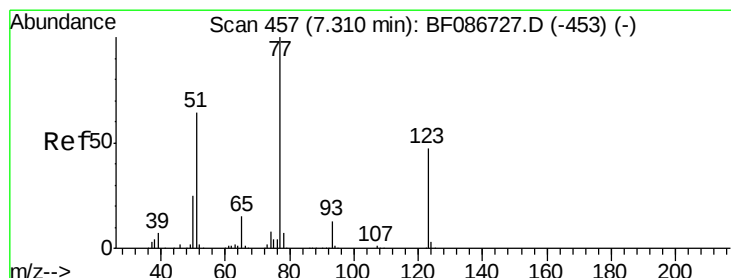
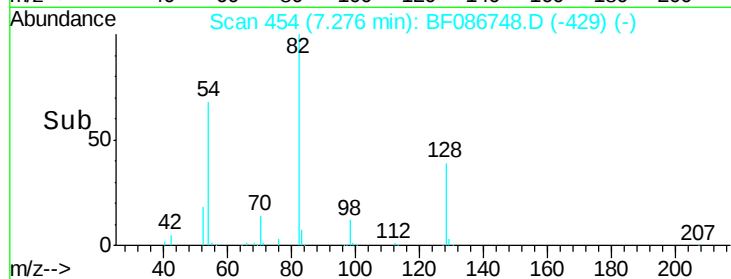
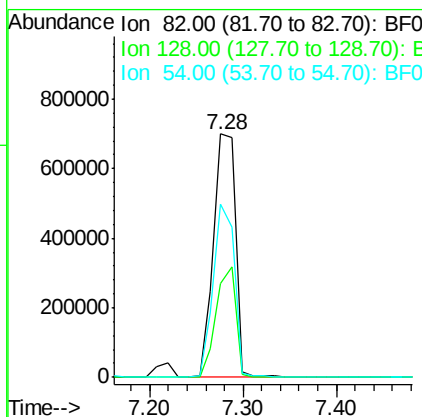
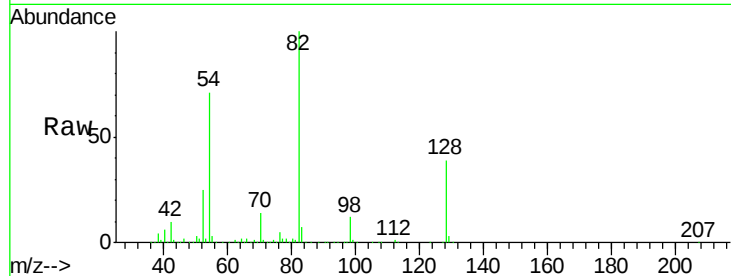




#23
Nitrobenzene-d5
Concen: 83.51 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.01 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

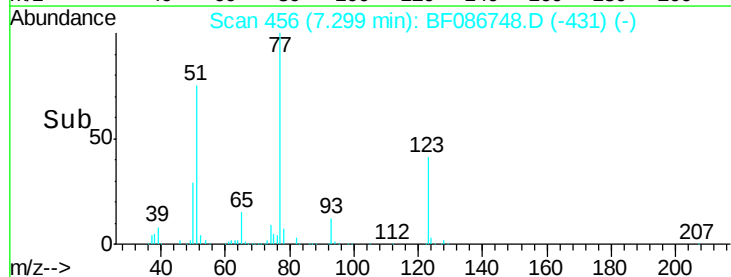
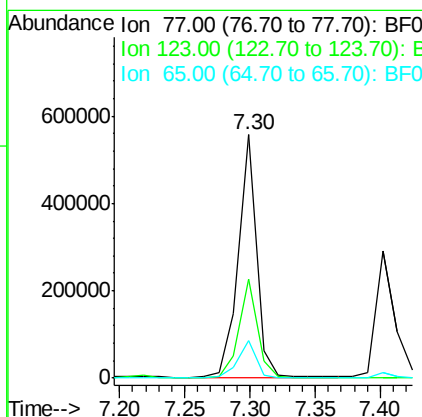
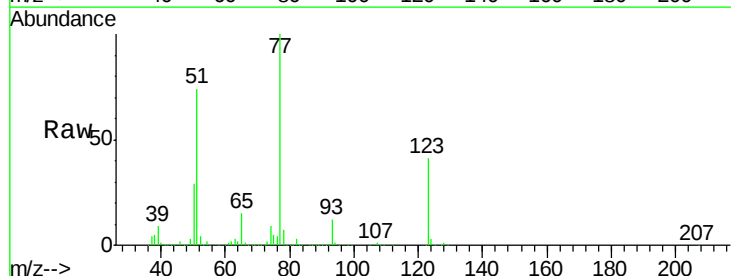
Instrument :
BNA_F
ClientSampleId :

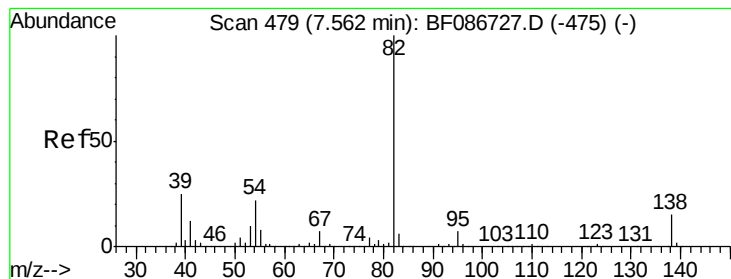
Tot Ion: 82 Resp: 1155818
Ion Ratio Lower Upper
82 100
128 38.7 40.6 61.0#
54 71.1 38.1 57.1#



#24
Nitrobenzene
Concen: 37.61 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.01 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Tgt Ion: 77 Resp: 538150
Ion Ratio Lower Upper
77 100
123 40.8 33.0 49.4
65 15.3 10.8 16.2





#25

Isophorone

Concen: 39.27 ng

RT: 7.55 min Scan# 478

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampled :

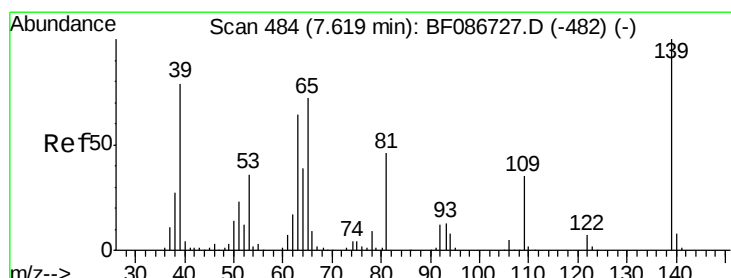
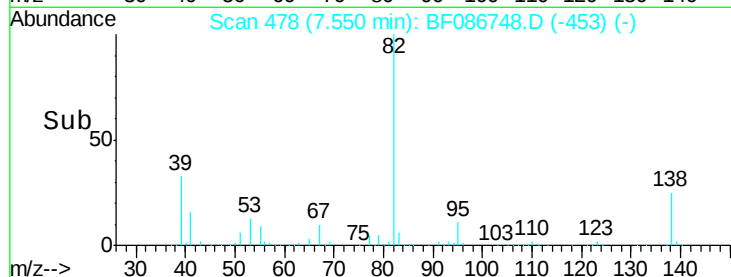
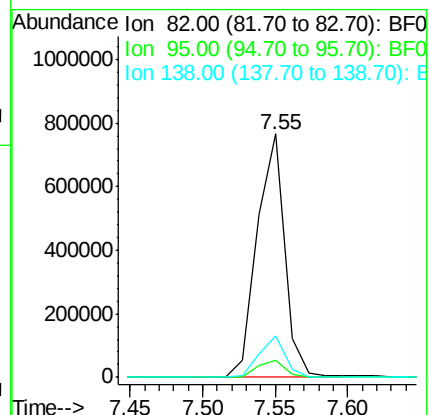
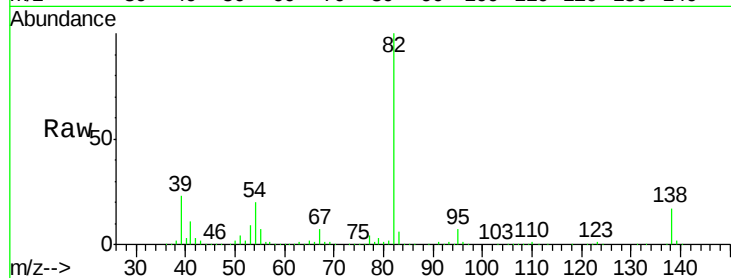
Tot Ion: 82 Resp: 1012061

Ion Ratio Lower Upper

82 100

95 7.2 5.1 7.7

138 17.2 12.4 18.6



#26

2-Nitrophenol

Concen: 42.18 ng

RT: 7.62 min Scan# 484

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

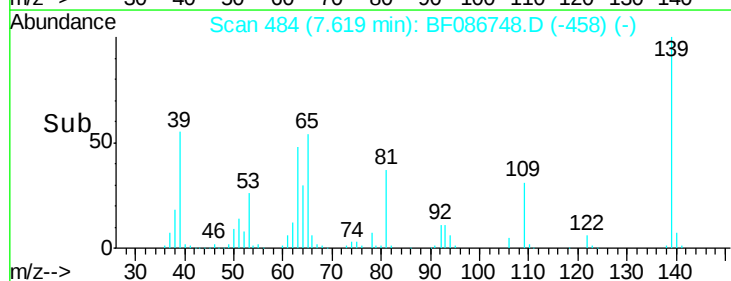
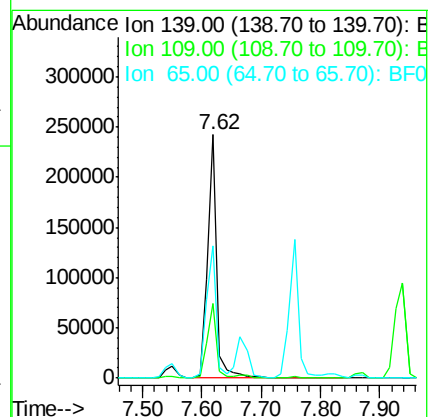
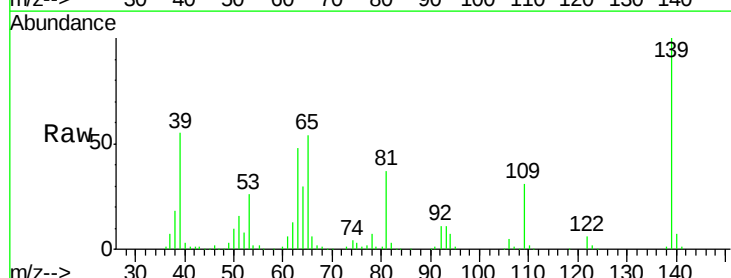
Tgt Ion: 139 Resp: 269302

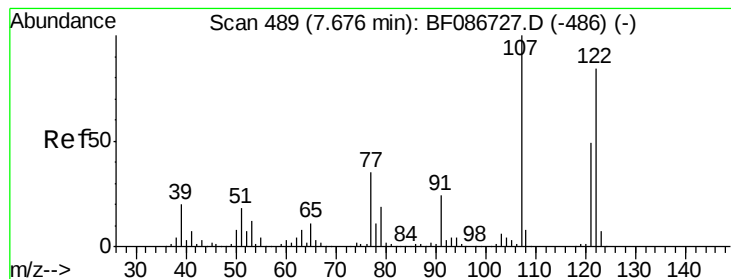
Ion Ratio Lower Upper

139 100

109 30.9 19.5 29.3#

65 54.1 37.5 56.3





#27

2,4-Dimethylphenol

Concen: 38.43 ng

RT: 7.68 min Scan# 489

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampled :

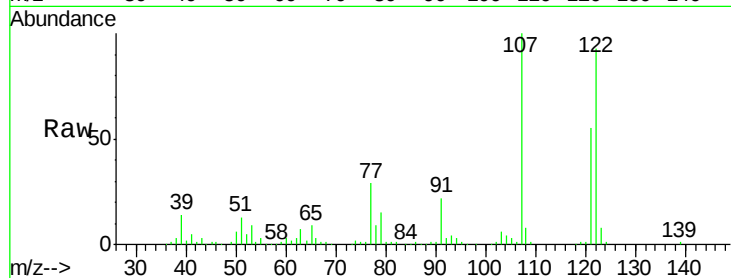
Tot Ion:122 Resp: 430844

Ion Ratio Lower Upper

122 100

107 107.3 82.0 123.0

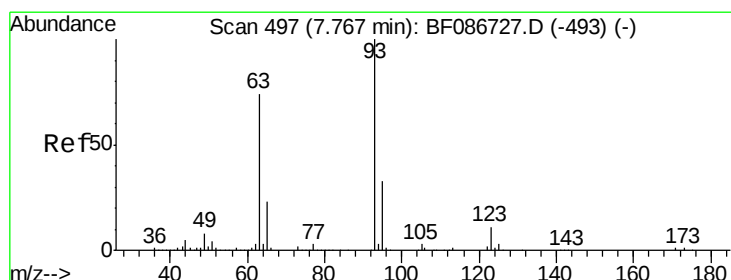
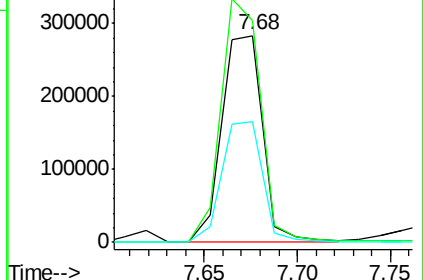
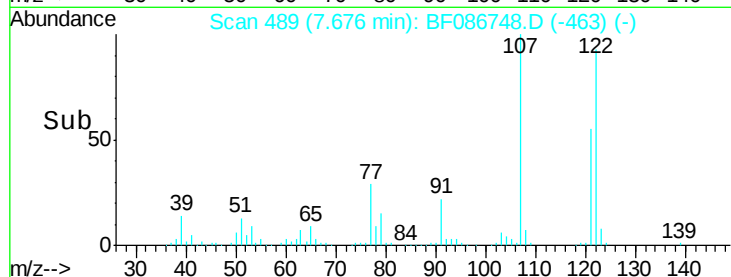
121 58.7 46.1 69.1



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: 42.50 ng

RT: 7.76 min Scan# 496

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

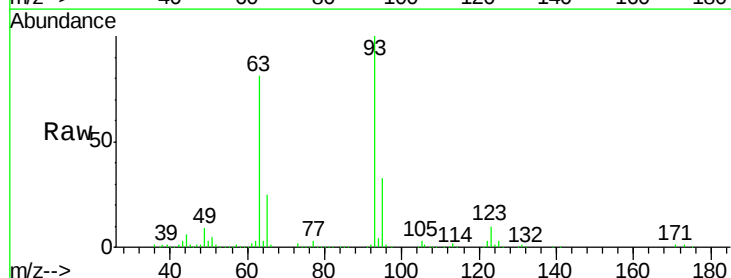
Tgt Ion: 93 Resp: 602939

Ion Ratio Lower Upper

93 100

95 32.9 26.0 39.0

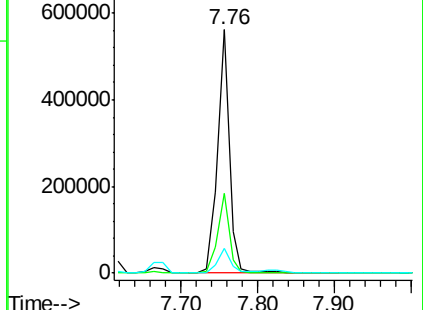
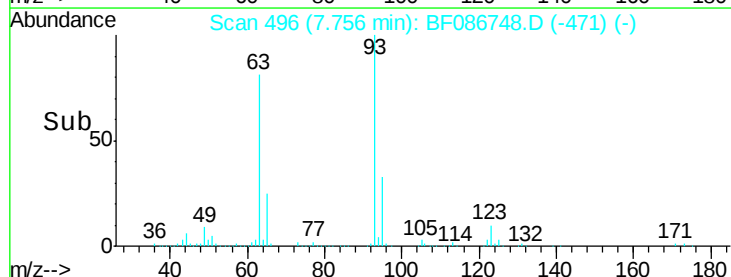
123 10.2 9.5 14.3

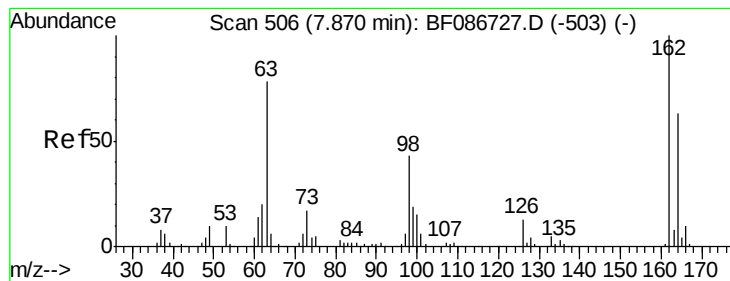


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 42.36 ng

RT: 7.87 min Scan# 506

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampleId :

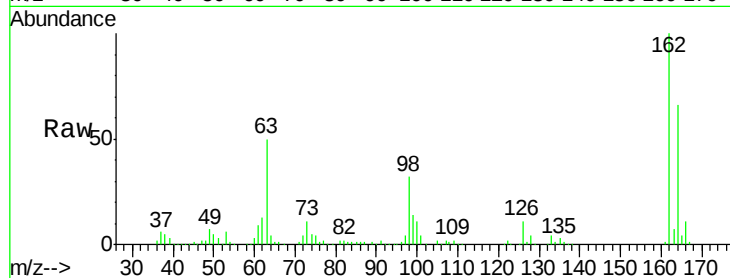
Tot Ion:162 Resp: 408329

Ion Ratio Lower Upper

162 100

164 65.8 42.2 82.2

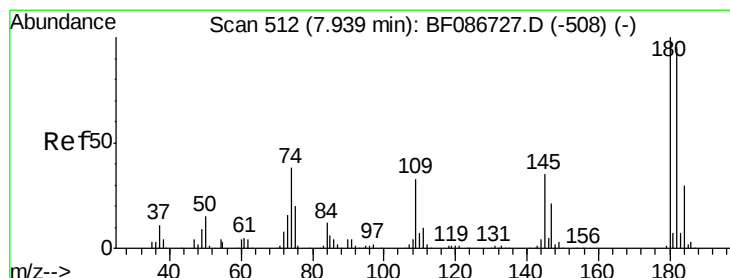
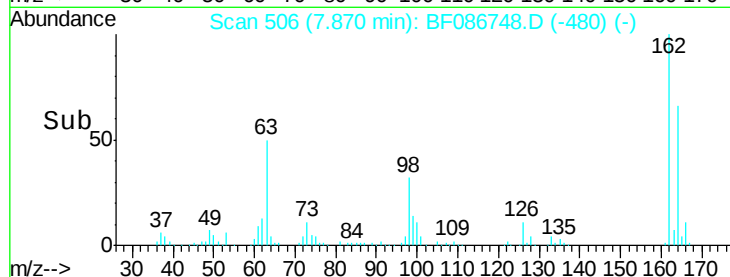
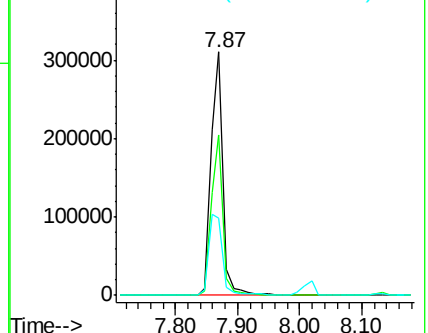
98 31.7 19.0 59.0



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: 40.72 ng

RT: 7.94 min Scan# 512

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

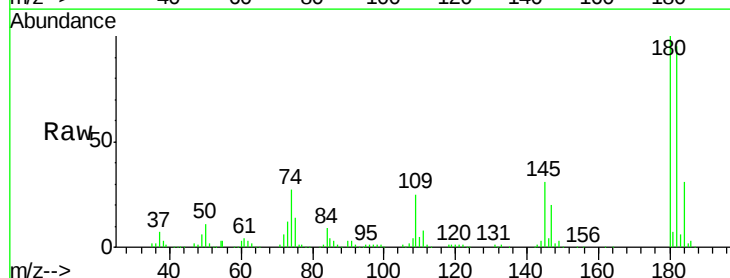
Tgt Ion:180 Resp: 437849

Ion Ratio Lower Upper

180 100

182 95.3 78.0 117.0

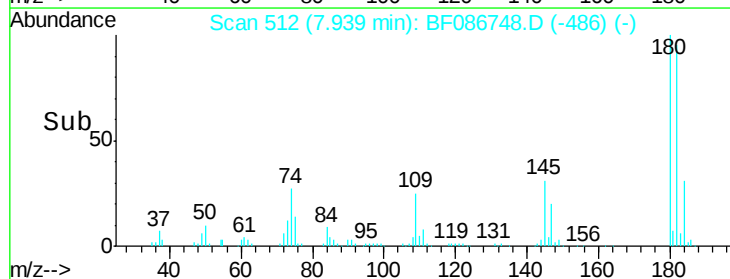
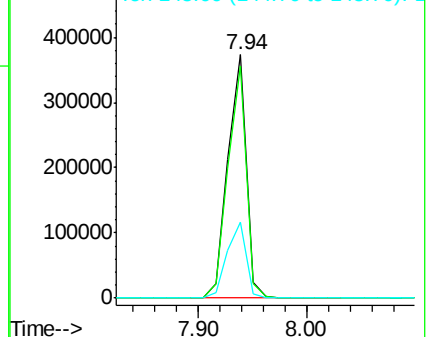
145 31.1 24.2 36.2

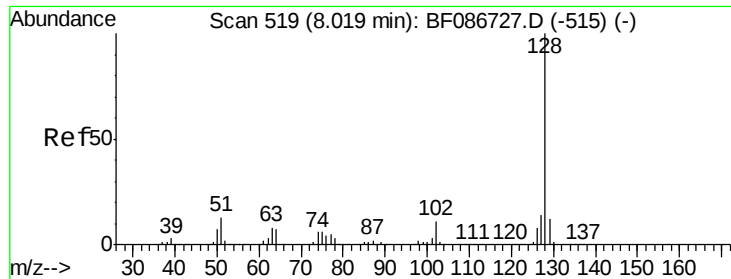


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 40.20 ng

RT: 8.02 min Scan# 519

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampleId :

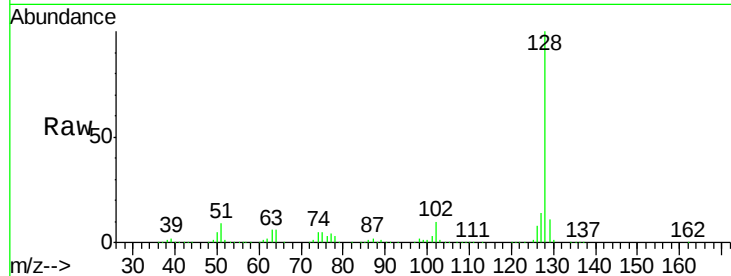
Tot Ion:128 Resp: 1460580

Ion Ratio Lower Upper

128 100

129 11.2 8.6 13.0

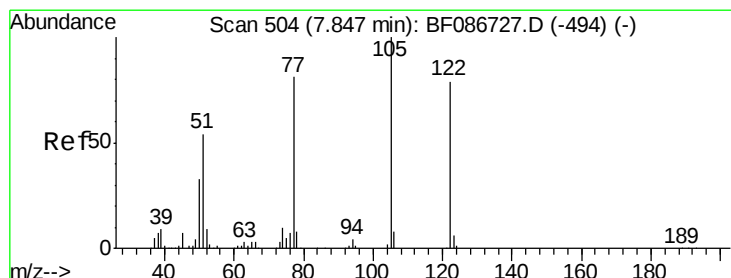
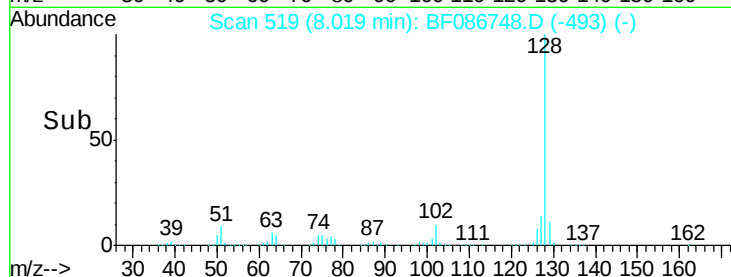
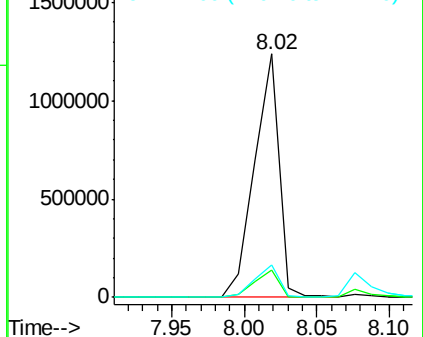
127 13.5 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 59.76 ng

RT: 7.82 min Scan# 502

Delta R.T. -0.02 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

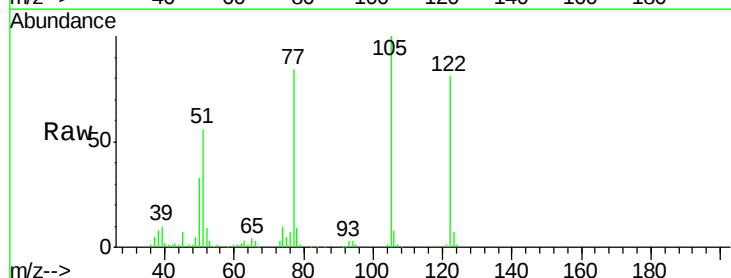
Tgt Ion:122 Resp: 272303

Ion Ratio Lower Upper

122 100

105 123.4 92.6 132.6

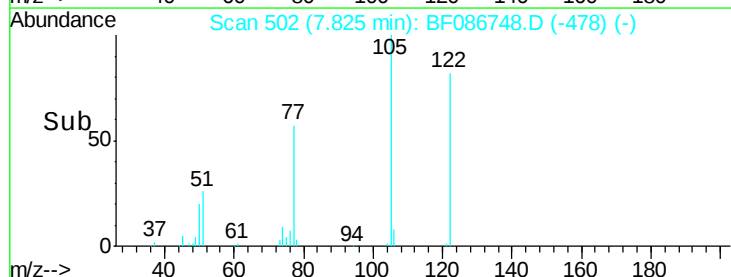
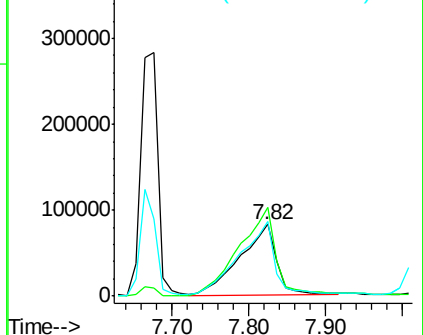
77 103.6 60.0 100.0#

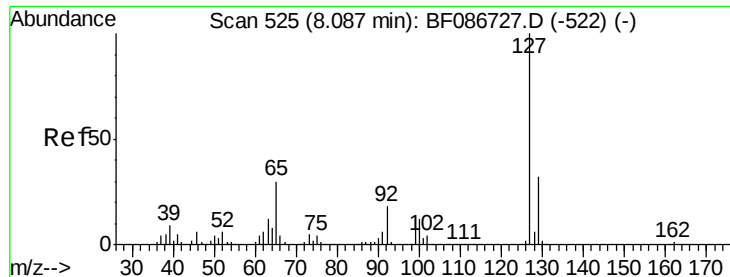


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

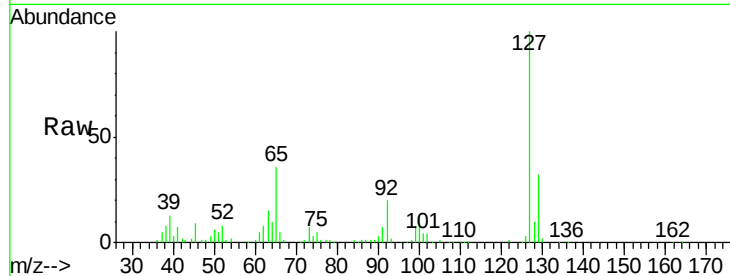




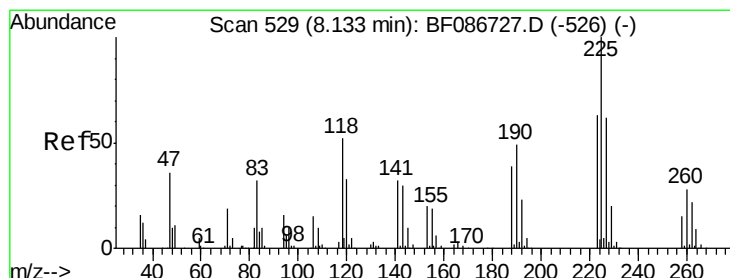
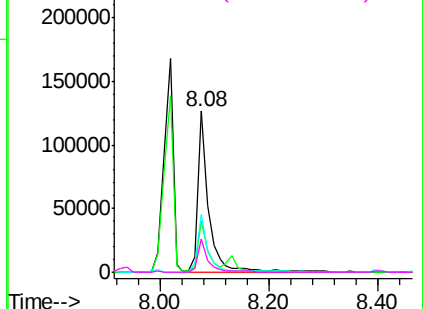
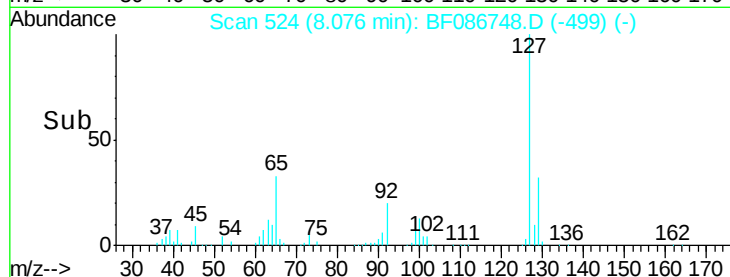
#33
4-Chloroaniline
Concen: 11.91 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.01 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	127	Resp:	167624
Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.2	39.4
65	36.1	23.0	34.4
92	20.3	15.1	22.7

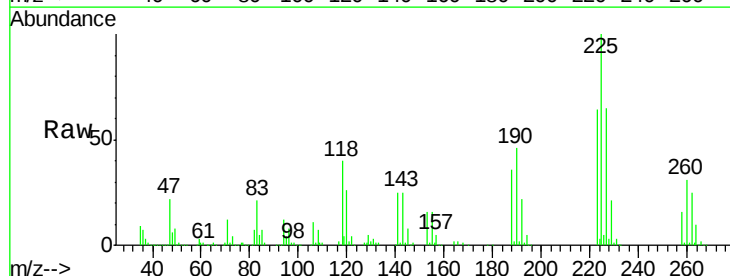


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

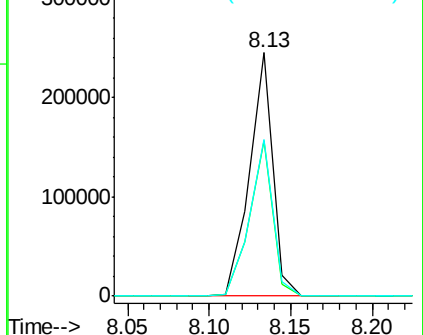
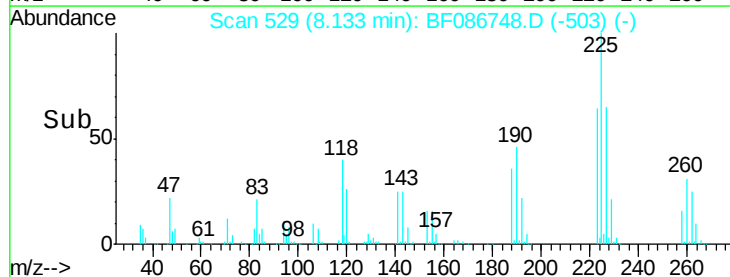


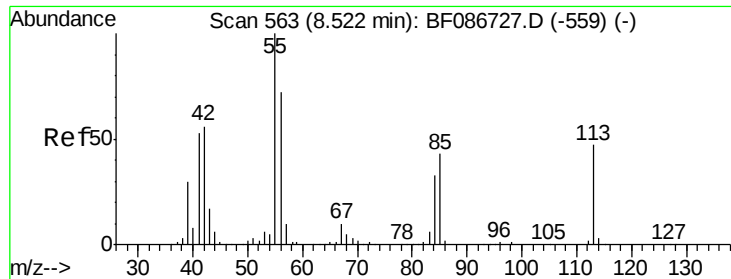
#34
Hexachlorobutadiene
Concen: 39.79 ng
RT: 8.13 min Scan# 529
Delta R.T. 0.00 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Tgt Ion:	225	Resp:	242924
Ion	Ratio	Lower	Upper
225	100		
223	63.7	51.5	77.3
227	64.5	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: 17.63 ng

RT: 8.52 min Scan# 563

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :
BNA_F
ClientSampleId :

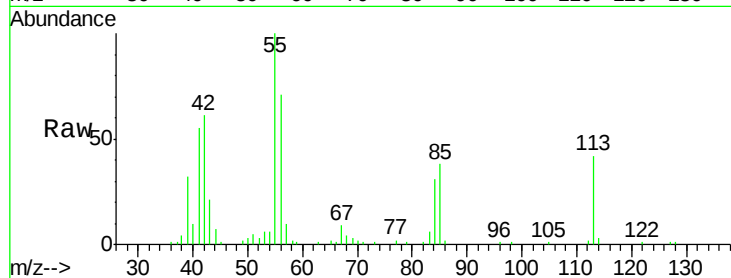
Tot Ion:113 Resp: 52584

Ion Ratio Lower Upper

113 100

55 238.1 162.0 202.0#

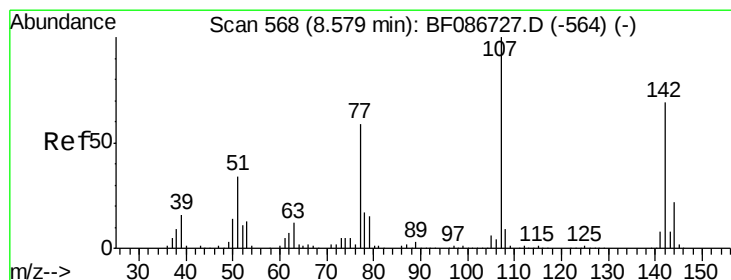
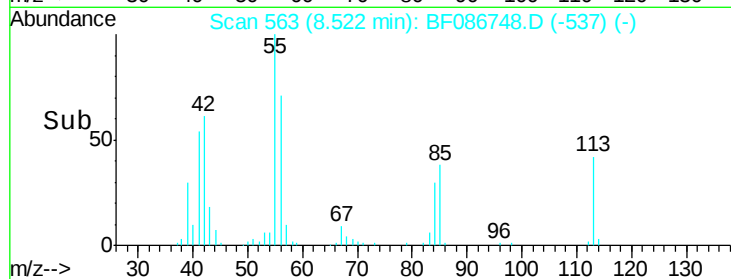
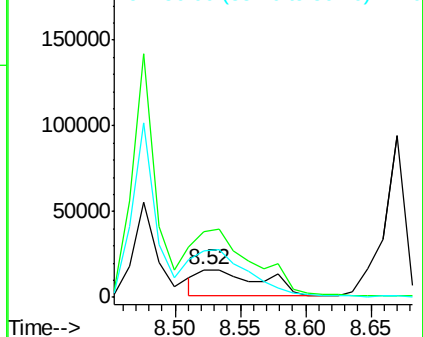
56 169.0 115.3 155.3#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 40.11 ng

RT: 8.58 min Scan# 568

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

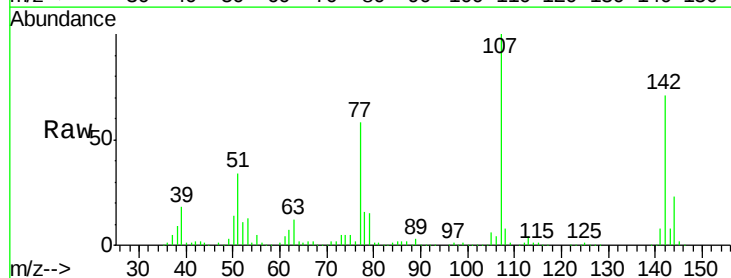
Tgt Ion:107 Resp: 441100

Ion Ratio Lower Upper

107 100

144 22.9 20.7 31.1

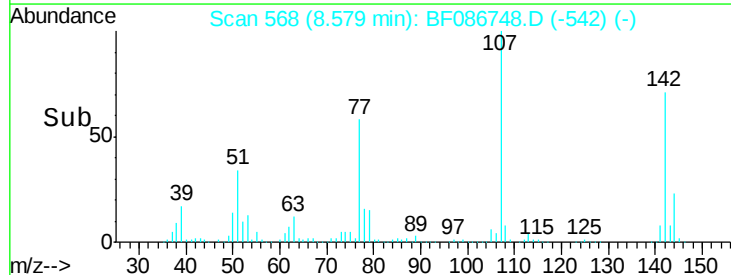
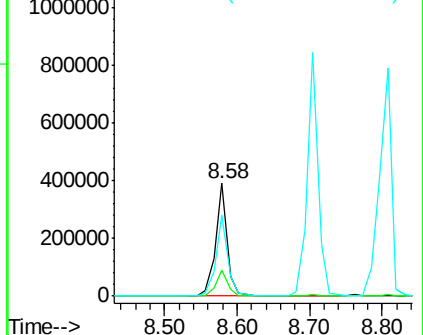
142 71.4 63.2 94.8

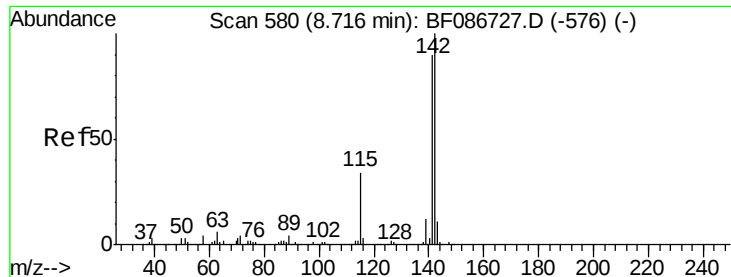


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

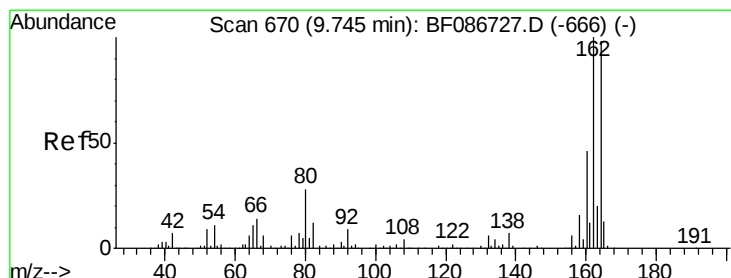
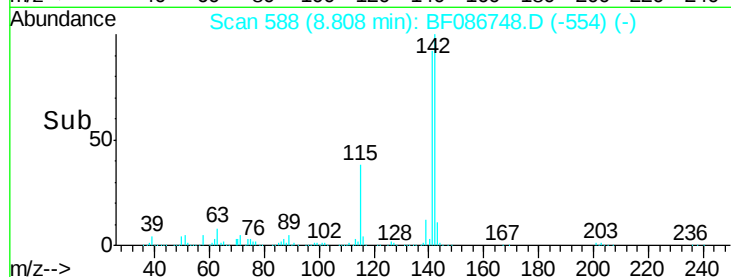
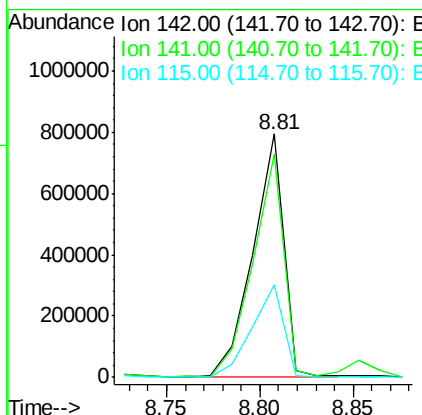
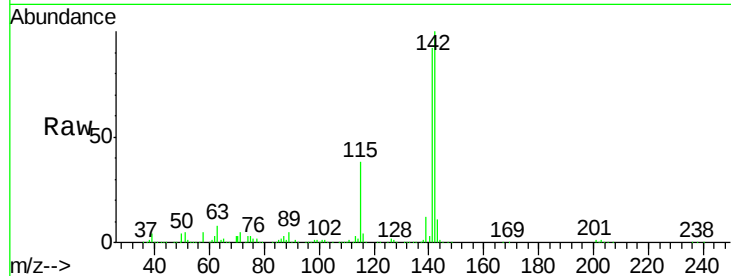




#37
2-Methylnaphthalene
Concen: 41.86 ng
RT: 8.81 min Scan# 588
Delta R.T. 0.09 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

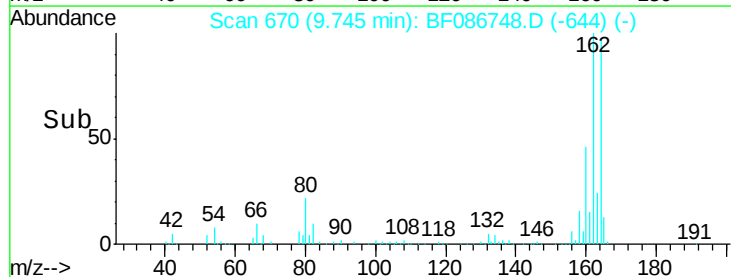
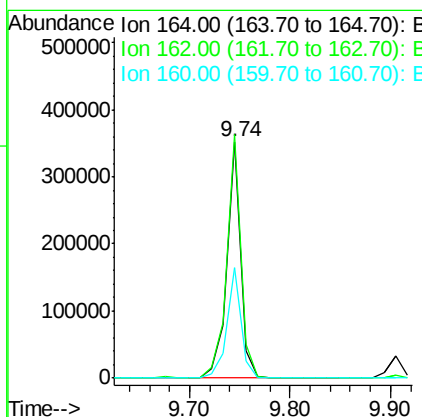
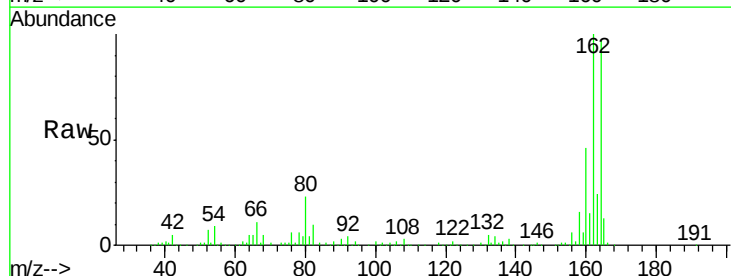
Instrument :
BNA_F
ClientSampleId :

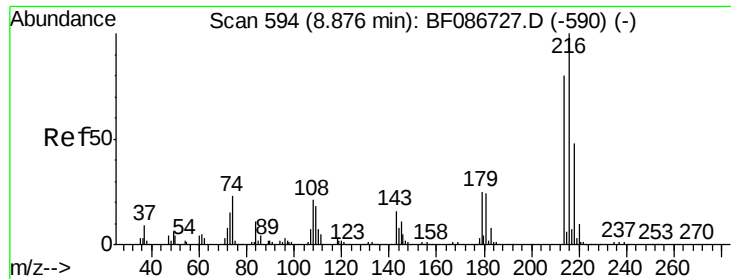
Tot Ion	Ratio	Lower	Upper
142	100		
141	91.9	71.0	106.6
115	38.1	26.6	39.8



#38
Acenaphthene-d10
Concen: 40.00 ng
RT: 9.74 min Scan# 670
Delta R.T. 0.00 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.8	124.2
160	47.0	36.9	55.3

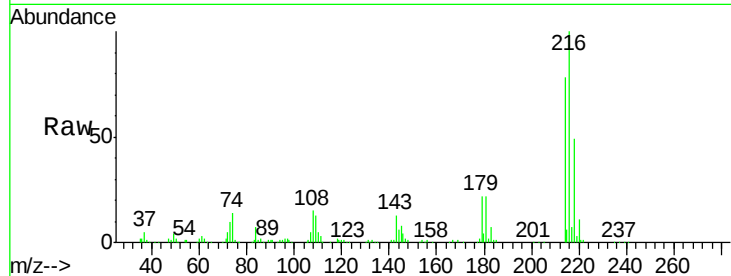




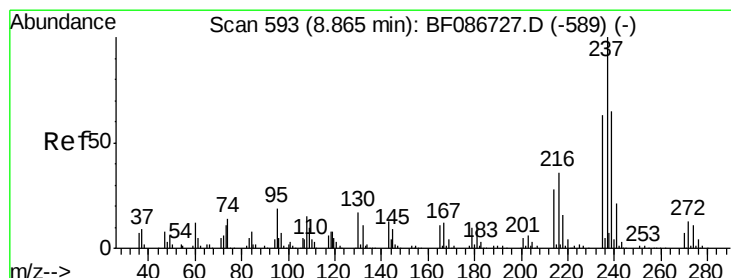
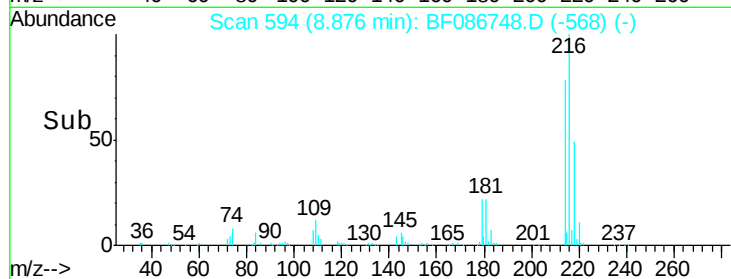
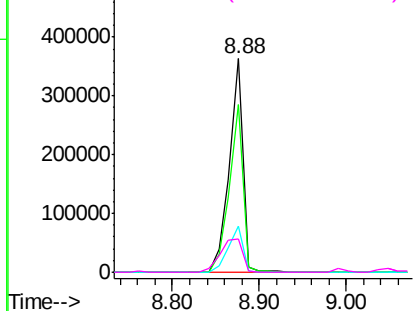
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 40.53 ng
 RT: 8.88 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:	216	Resp:	395708
Ion	Ratio	Lower	Upper
216	100		
214	79.3	62.6	93.8
179	23.3	18.2	27.4
108	25.9	17.5	26.3

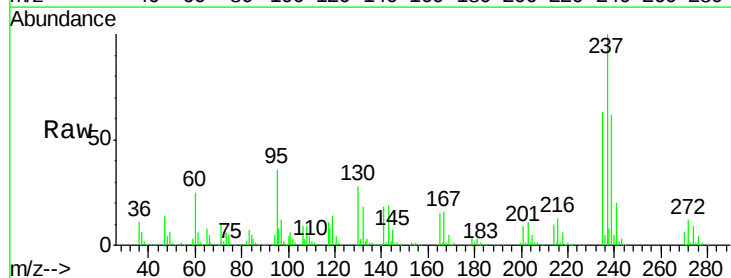


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

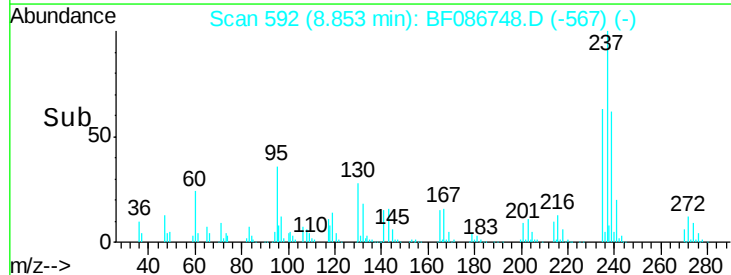
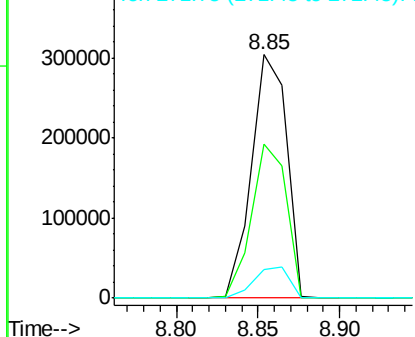


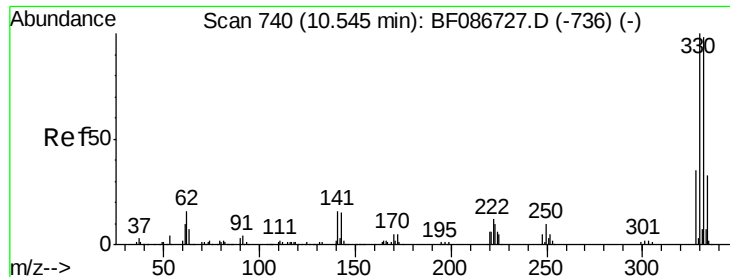
#40
 Hexachlorocyclopentadiene
 Concen: 99.55 ng
 RT: 8.85 min Scan# 592
 Delta R.T. -0.01 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Tgt Ion:	237	Resp:	455279
Ion	Ratio	Lower	Upper
237	100		
235	63.3	47.2	87.2
272	11.6	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

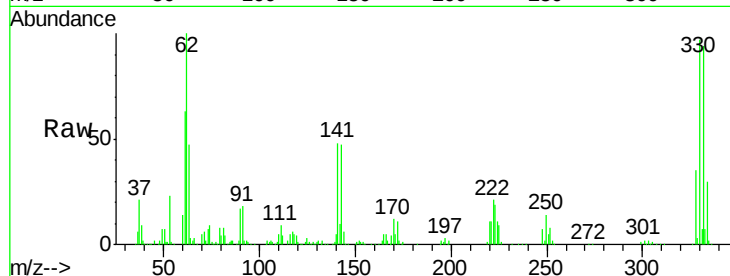




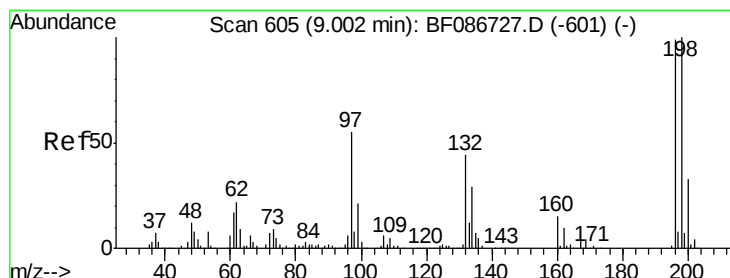
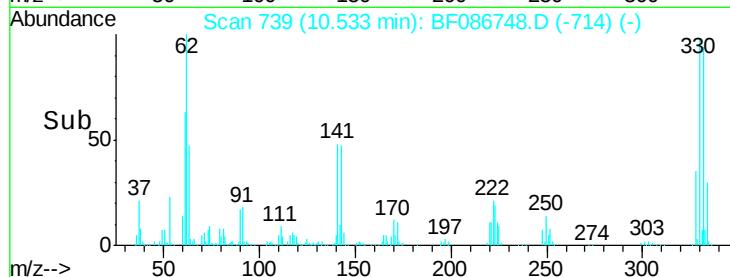
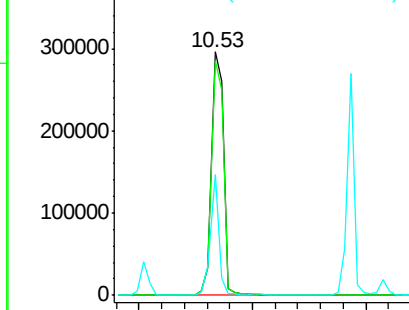
#41
 2,4,6-Tribromophenol
 Concen: 128.48 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	79.0	118.4
141	34.4	31.2	46.8

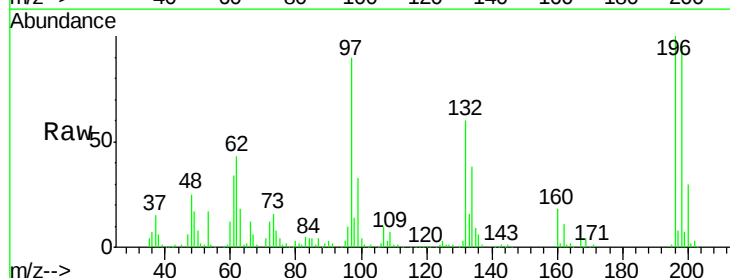


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

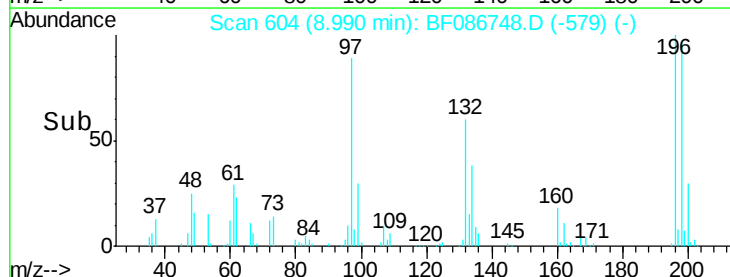
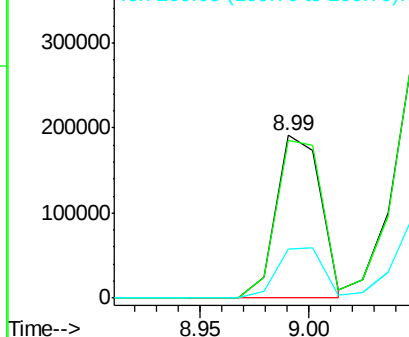


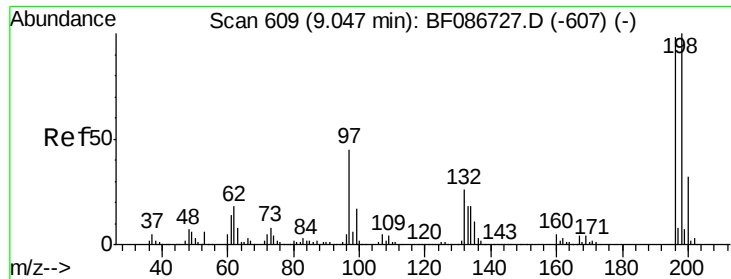
#42
 2,4,6-Trichlorophenol
 Concen: 44.15 ng
 RT: 8.99 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Tgt Ion	Ratio	Lower	Upper
196	100		
198	97.2	74.7	112.1
200	30.5	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

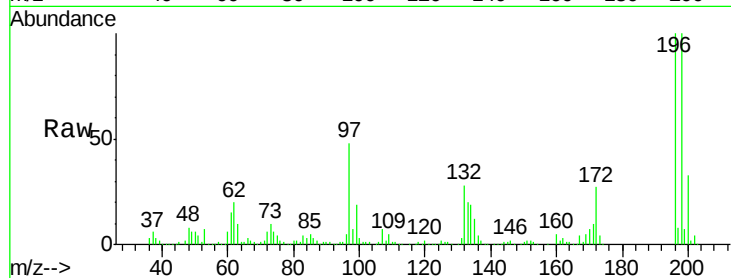




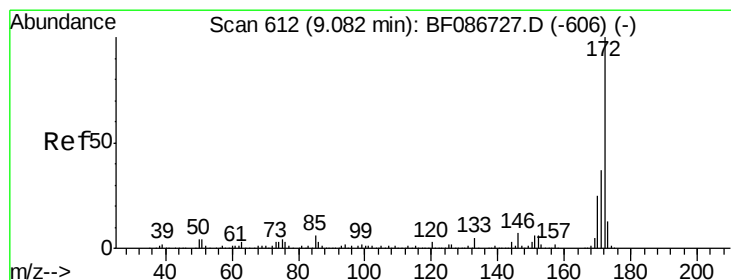
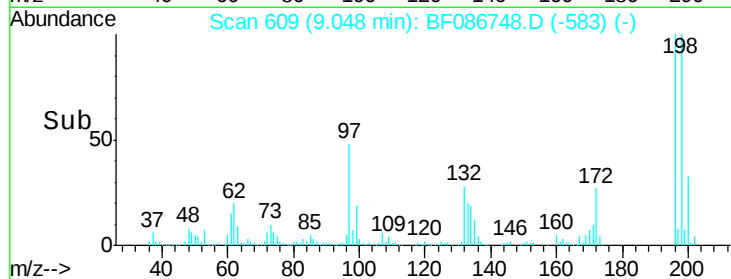
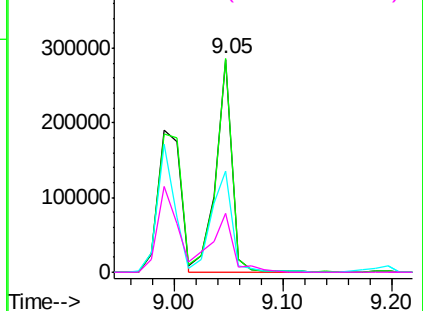
#43
 2,4,5-Trichlorophenol
 Concen: 45.94 ng
 RT: 9.05 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	196	Resp:	297937
Ion	Ratio	Lower	Upper
196	100		
198	100.3	77.5	116.3
97	47.7	34.8	52.2
132	27.8	23.0	34.4

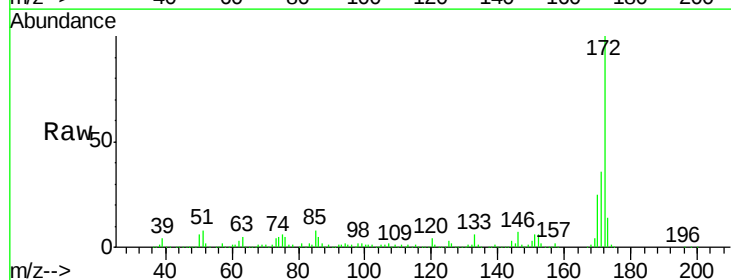


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

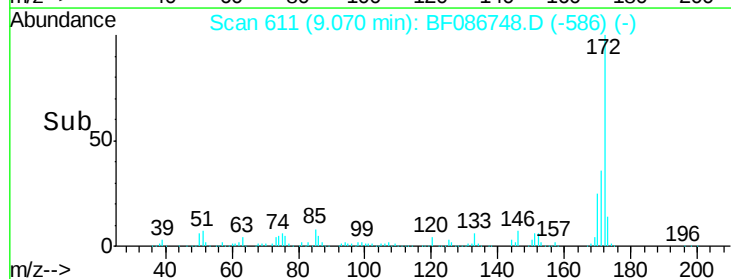
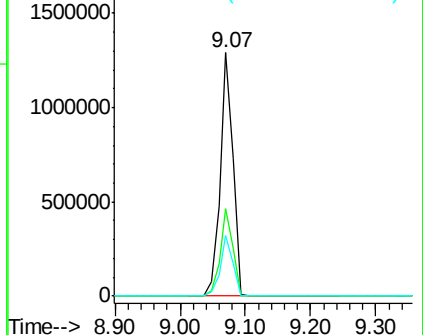


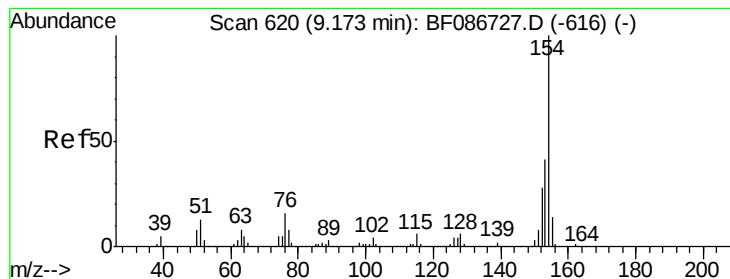
#44
 2-Fluorobiphenyl
 Concen: 86.64 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Tgt Ion:	172	Resp:	1782586
Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.6
170	24.7	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: 42.13 ng

RT: 9.17 min Scan# 620

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampleId :

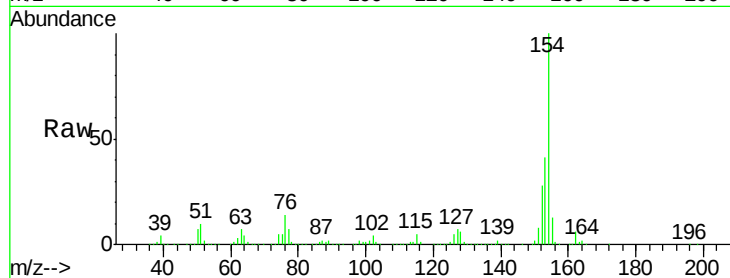
Tot Ion:154 Resp: 1161735

Ion Ratio Lower Upper

154 100

153 41.1 20.3 60.3

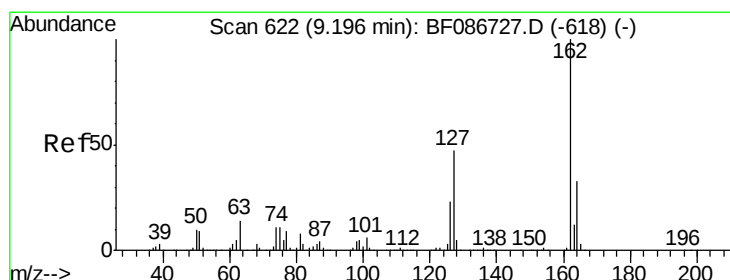
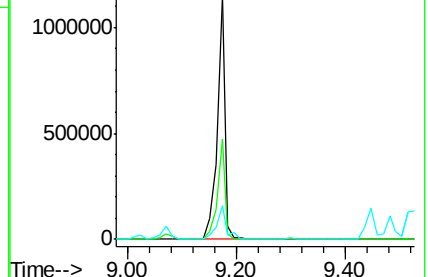
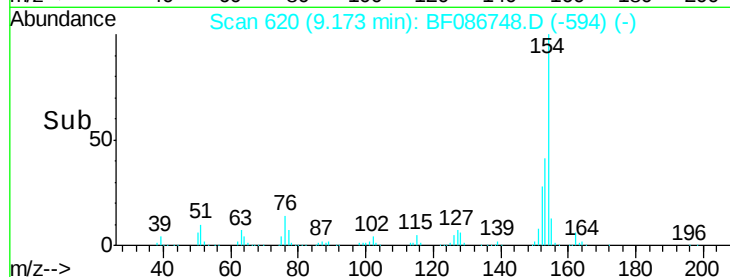
76 13.7 0.0 30.2



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: 41.29 ng

RT: 9.20 min Scan# 622

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

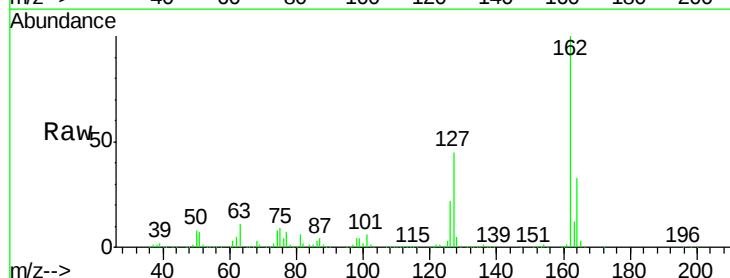
Tgt Ion:162 Resp: 878579

Ion Ratio Lower Upper

162 100

127 44.5 31.8 47.6

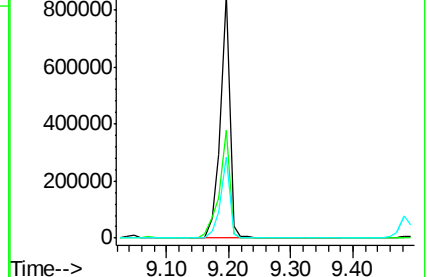
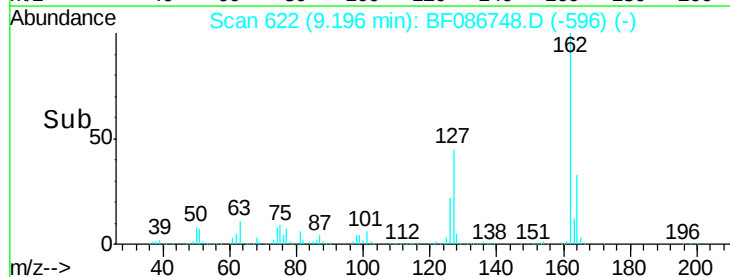
164 33.1 27.0 40.6

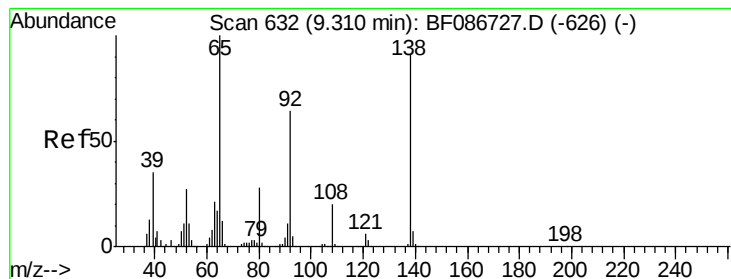


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 38.80 ng

RT: 9.30 min Scan# 631

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampleId :

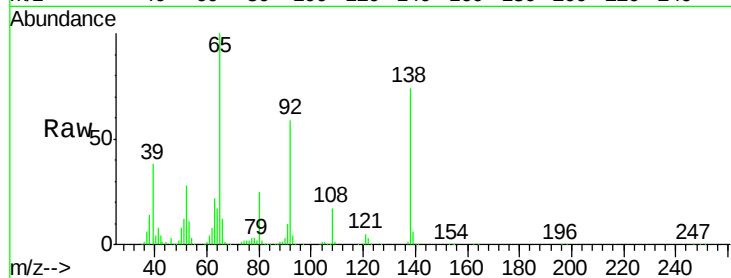
Tot Ion: 65 Resp: 293506

Ion Ratio Lower Upper

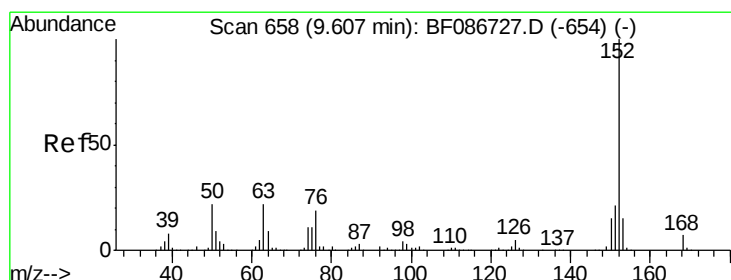
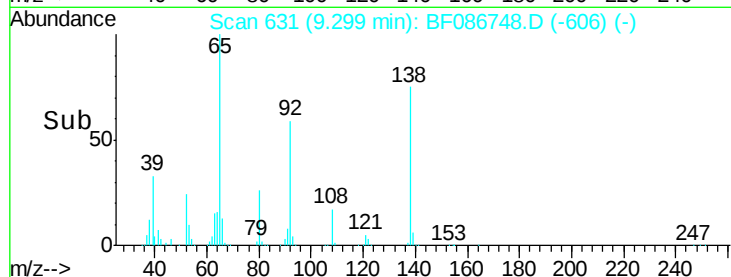
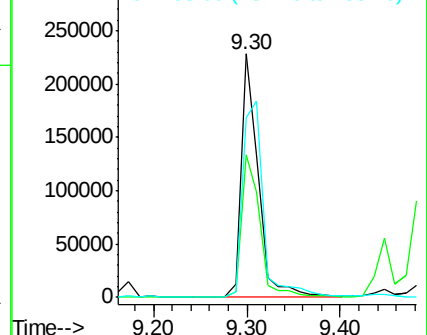
65 100

92 58.6 57.4 86.2

138 73.9 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): E



#48

Acenaphthylene

Concen: 39.35 ng

RT: 9.61 min Scan# 658

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

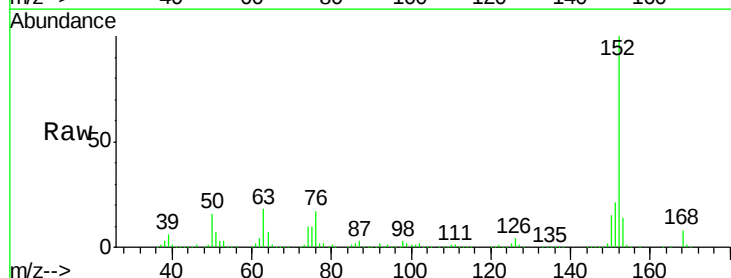
Tgt Ion: 152 Resp: 1242911

Ion Ratio Lower Upper

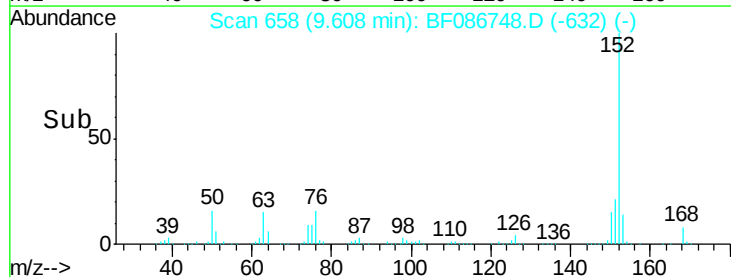
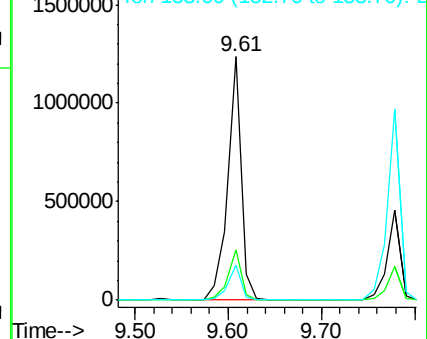
152 100

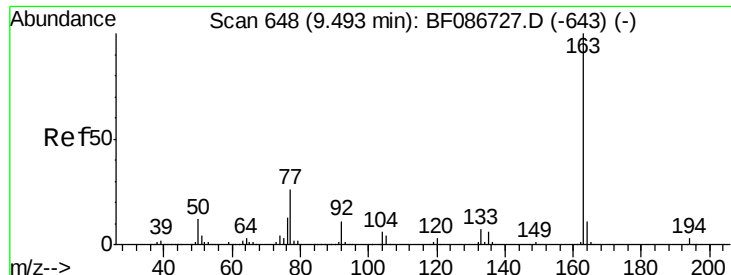
151 20.6 16.8 25.2

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

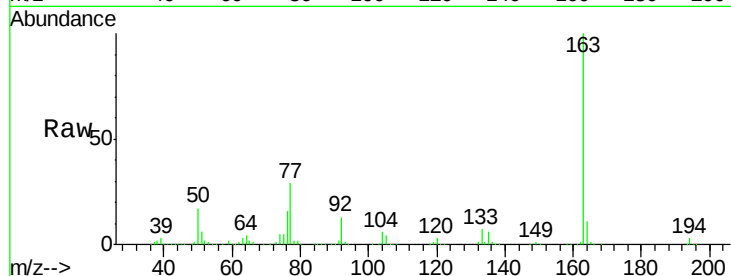




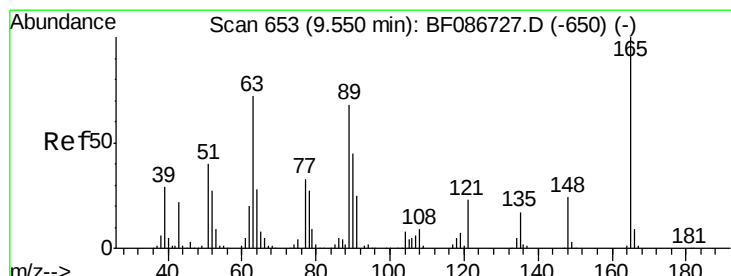
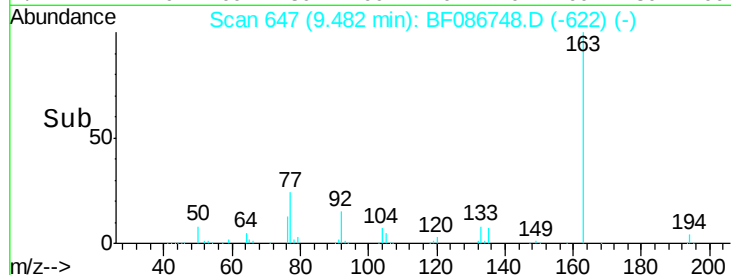
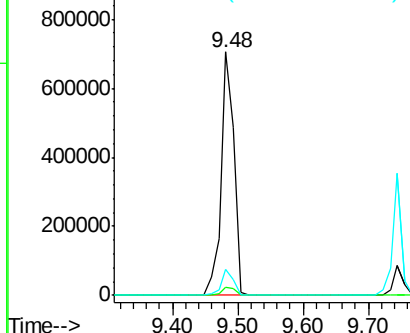
#49
Dimethylphthalate
Concen: 39.14 ng
RT: 9.48 min Scan# 647
Delta R.T. -0.01 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 984022
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.7 8.2 12.4

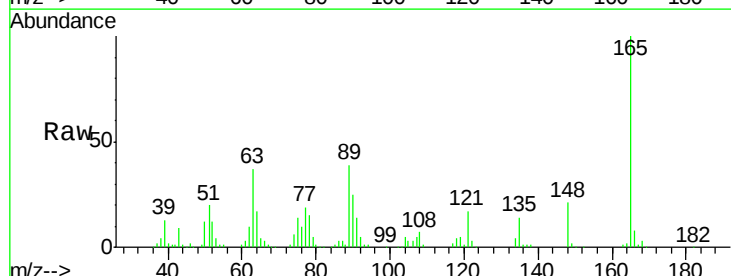


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

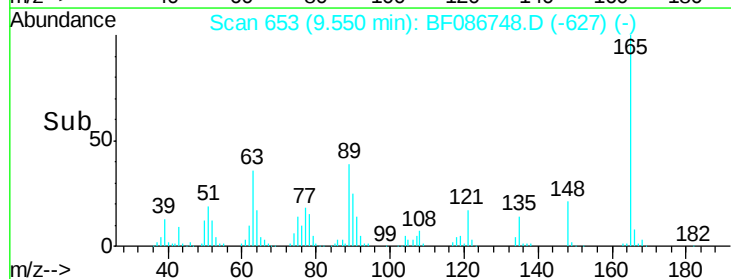
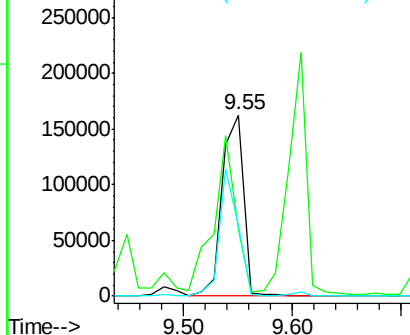


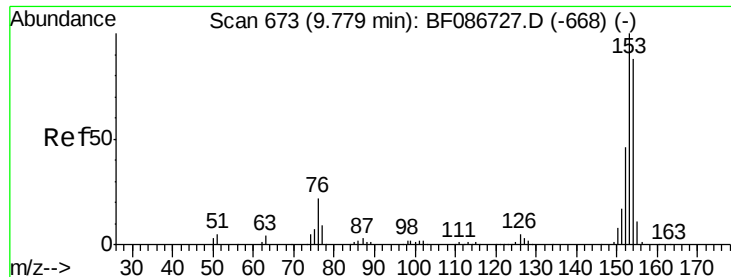
#50
2,6-Dinitrotoluene
Concen: 41.29 ng
RT: 9.55 min Scan# 653
Delta R.T. 0.00 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Tgt Ion:165 Resp: 222788
Ion Ratio Lower Upper
165 100
63 36.9 51.8 77.8#
89 39.5 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: 39.30 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampleId :

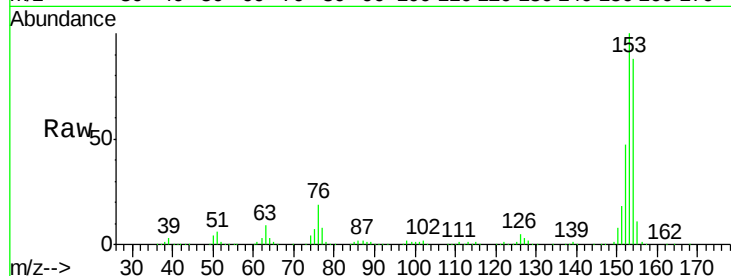
Tot Ion:154 Resp: 818962

Ion Ratio Lower Upper

154 100

153 113.1 89.8 134.6

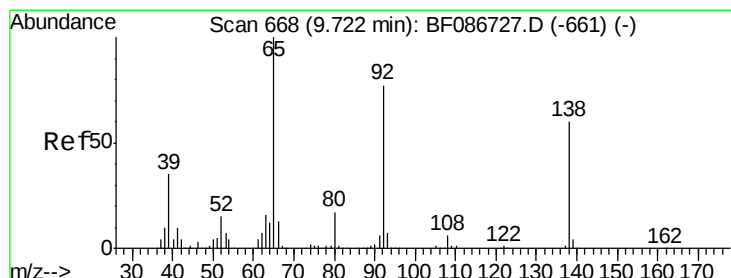
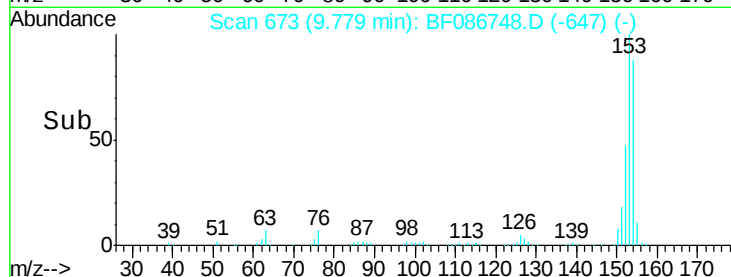
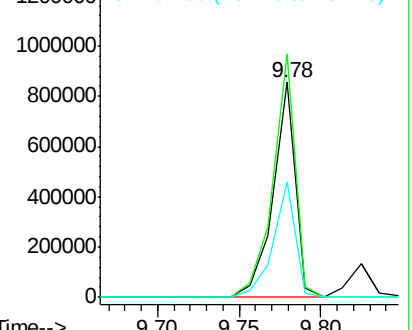
152 53.5 43.4 65.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 18.02 ng

RT: 9.72 min Scan# 668

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

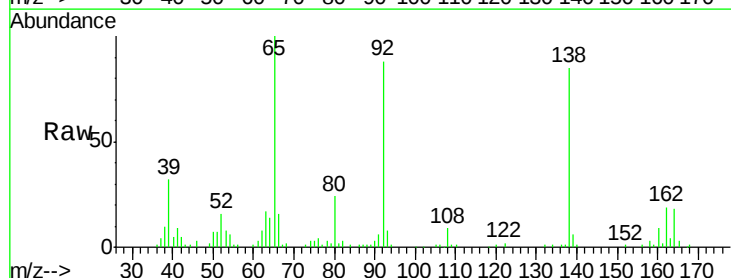
Tgt Ion:138 Resp: 110553

Ion Ratio Lower Upper

138 100

108 10.5 7.8 11.6

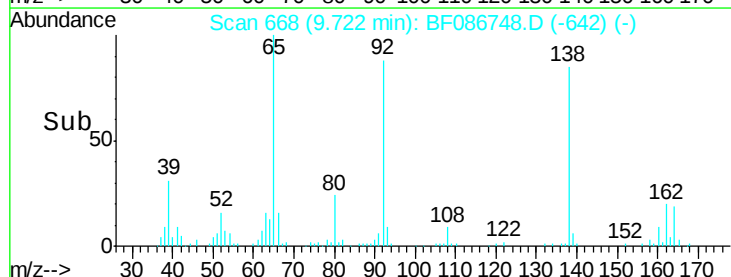
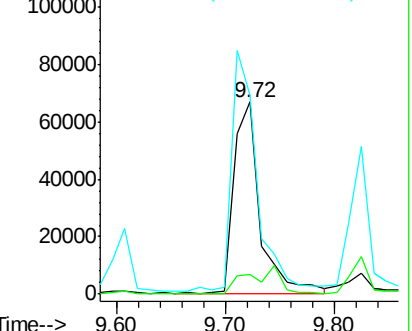
92 103.9 87.8 131.8

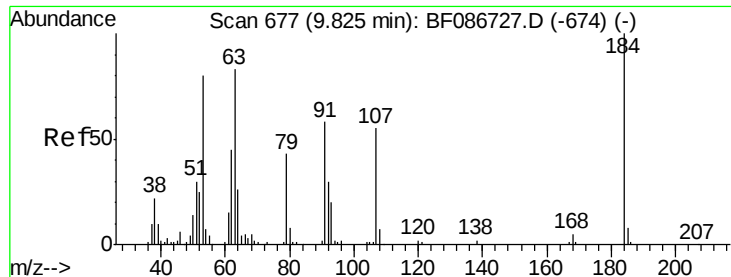


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

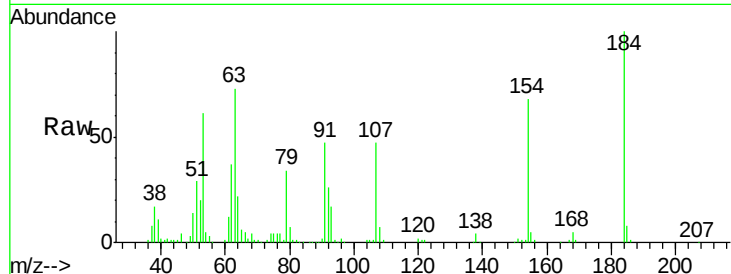




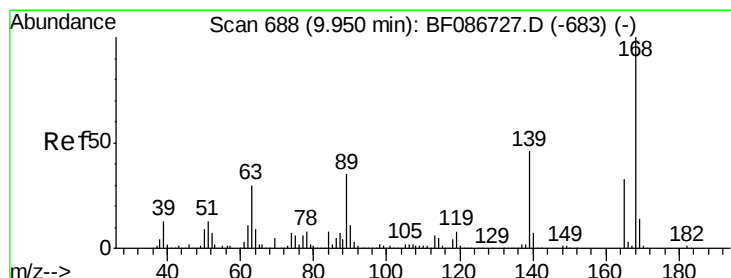
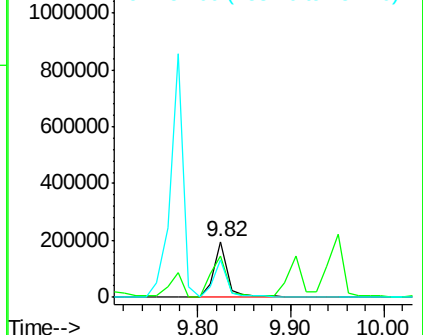
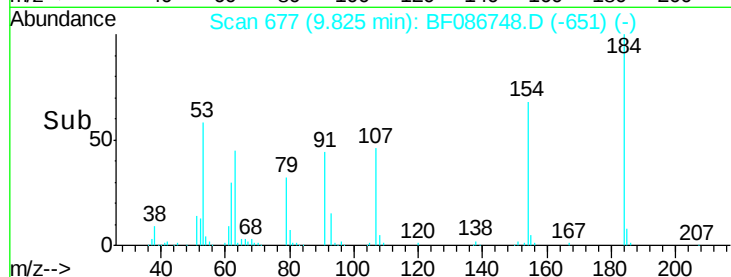
#53
2,4-Dinitrophenol
Concen: 87.70 ng
RT: 9.82 min Scan# 677
Delta R.T. 0.00 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Instrument :
BNA_F
ClientSampled :

Tot Ion:184 Resp: 206572
Ion Ratio Lower Upper
184 100
63 73.1 55.8 83.8
154 67.9 62.4 93.6

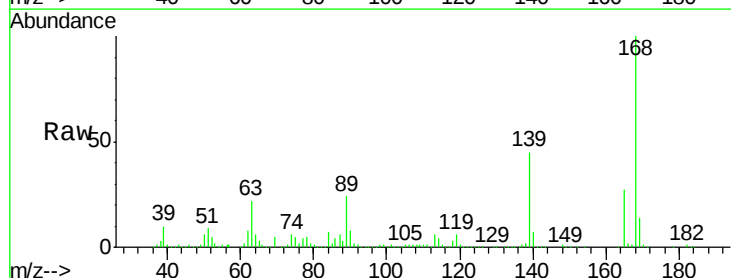


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

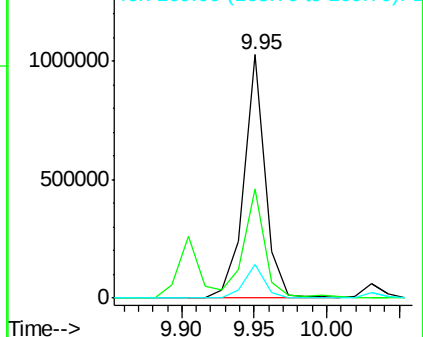
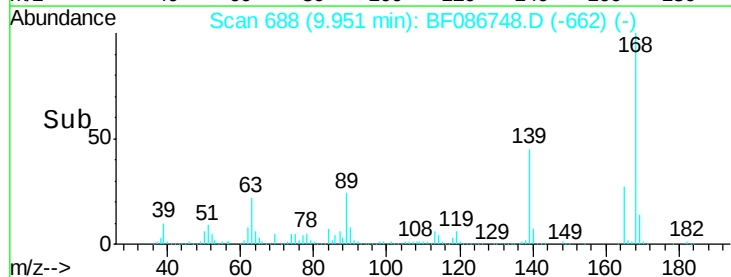


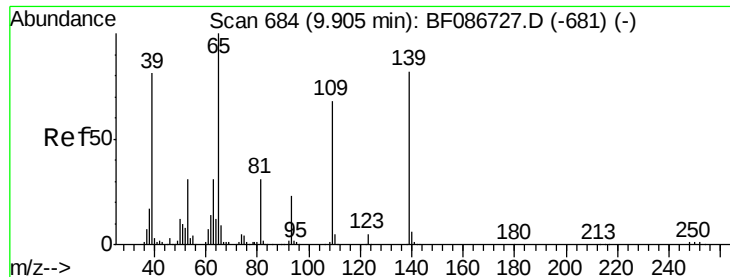
#54
Dibenzofuran
Concen: 40.30 ng
RT: 9.95 min Scan# 688
Delta R.T. 0.00 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Tgt Ion:168 Resp: 1040835
Ion Ratio Lower Upper
168 100
139 45.0 31.4 47.0
169 14.0 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: 76.57 ng

RT: 9.90 min Scan# 684

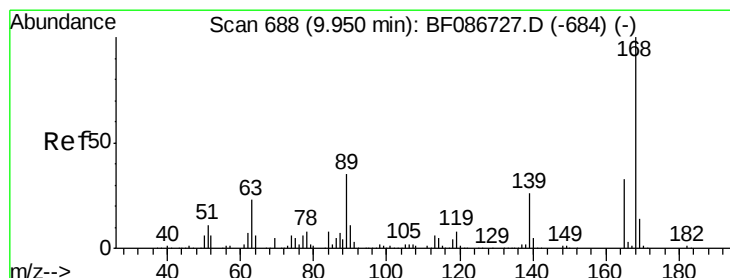
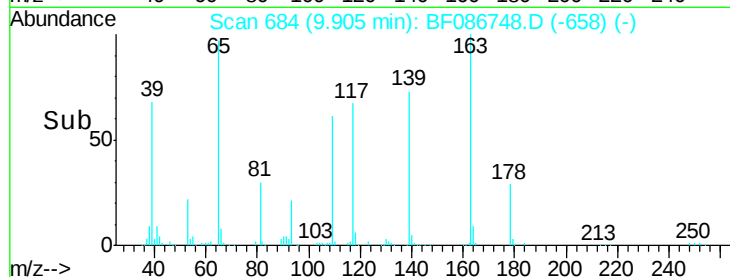
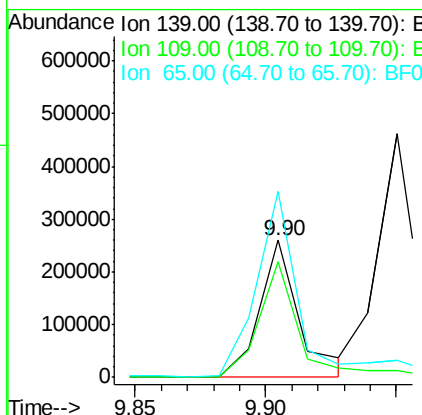
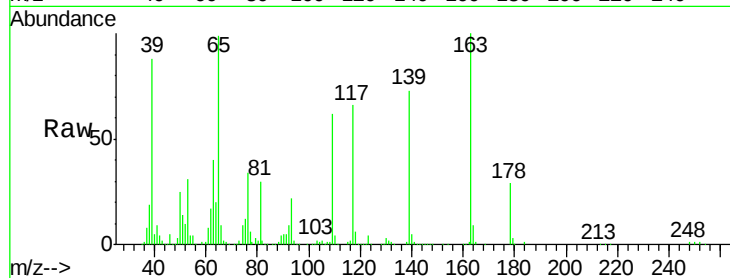
Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 273832
Ion Ratio Lower Upper
139 100
109 84.7 36.9 76.9#
65 136.1 64.0 104.0#



#56

2,4-Dinitrotoluene

Concen: 42.49 ng

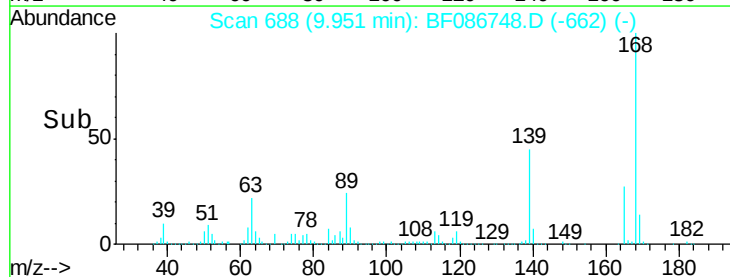
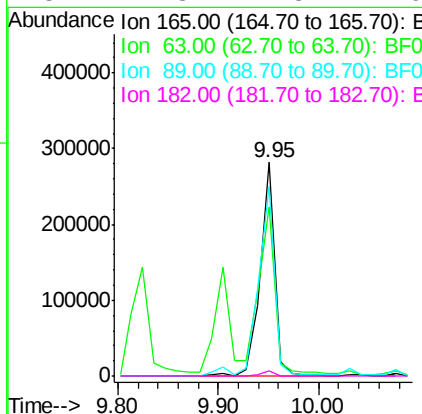
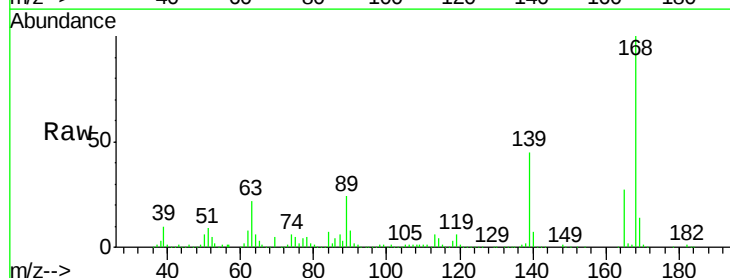
RT: 9.95 min Scan# 688

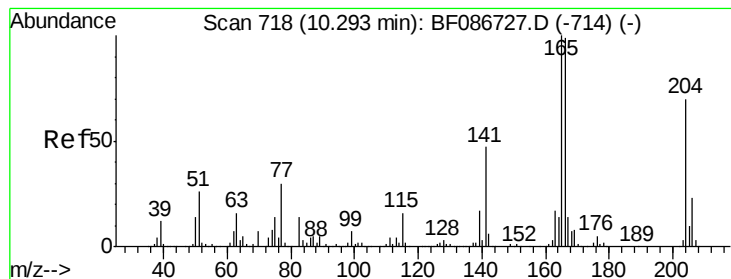
Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Tgt Ion:165 Resp: 284155
Ion Ratio Lower Upper
165 100
63 79.3 44.3 66.5#
89 88.8 70.0 105.0
182 2.3 1.8 2.6





#57

Fluorene

Concen: 43.00 ng

RT: 10.29 min Scan# 718

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :
BNA_F
ClientSampleId :

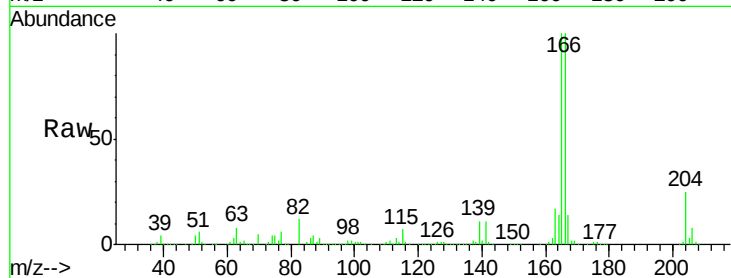
Tot Ion:166 Resp: 900149

Ion Ratio Lower Upper

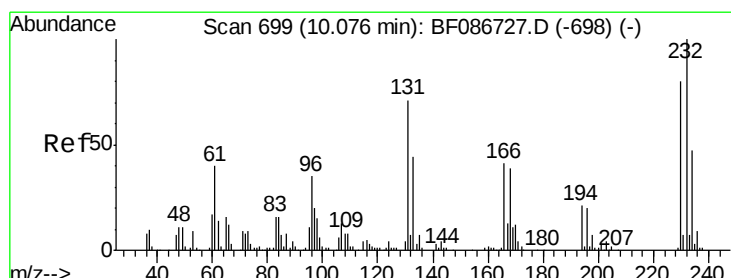
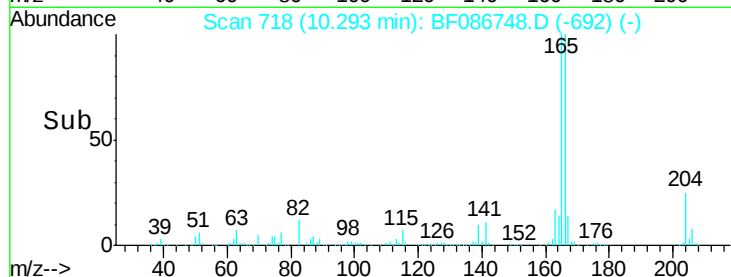
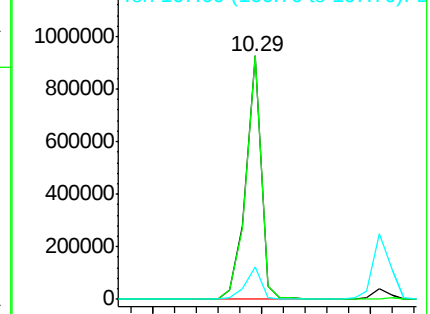
166 100

165 99.9 79.0 118.6

167 13.6 10.6 15.8



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 49.18 ng

RT: 10.08 min Scan# 699

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Tgt Ion:232 Resp: 234260

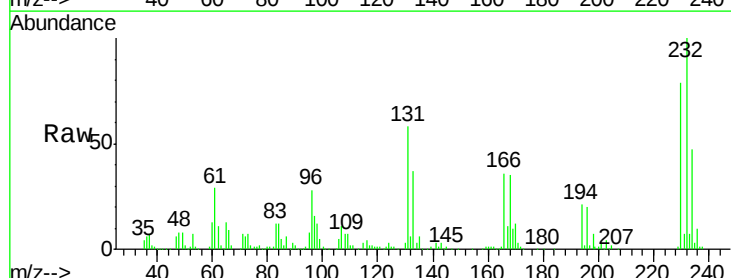
Ion Ratio Lower Upper

232 100

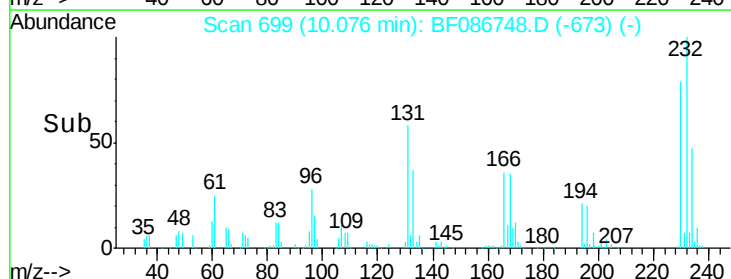
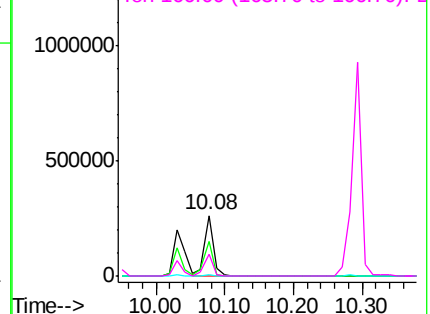
131 56.8 41.9 62.9

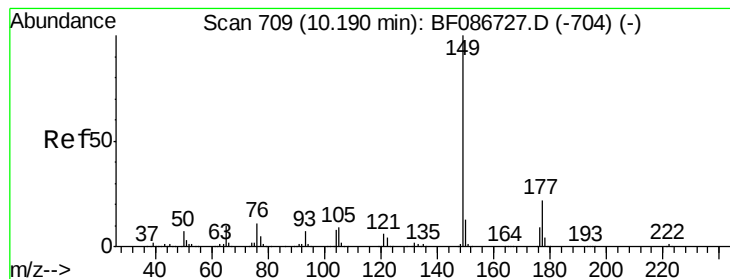
130 3.0 2.2 3.4

166 34.4 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: 38.83 ng

RT: 10.18 min Scan# 708

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampled :

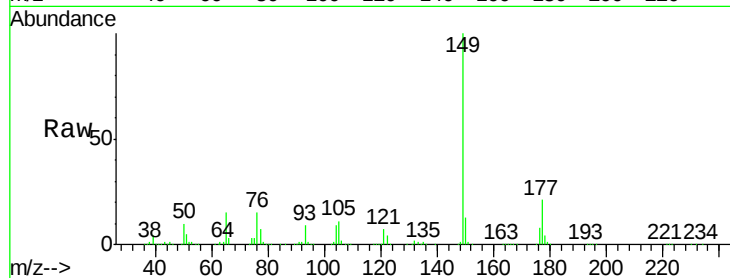
Tot Ion:149 Resp: 924167

Ion Ratio Lower Upper

149 100

177 20.7 16.6 24.8

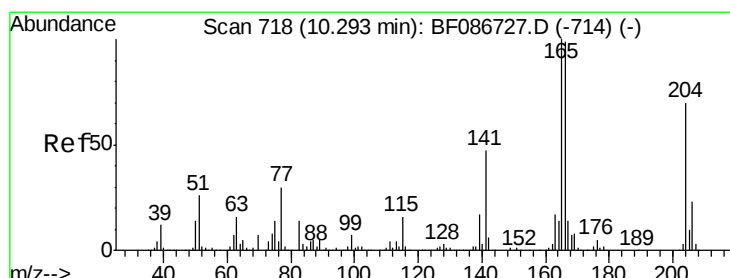
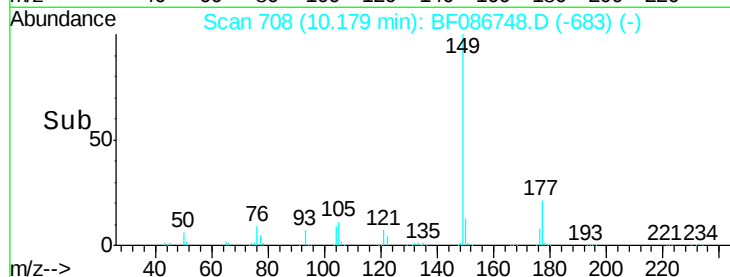
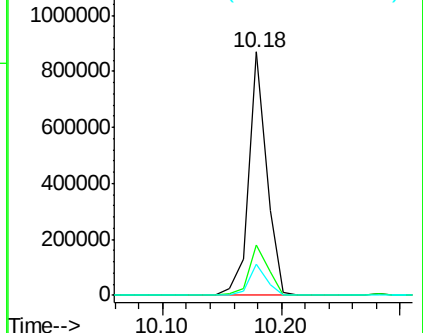
150 13.0 10.0 15.0



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: 39.95 ng

RT: 10.28 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

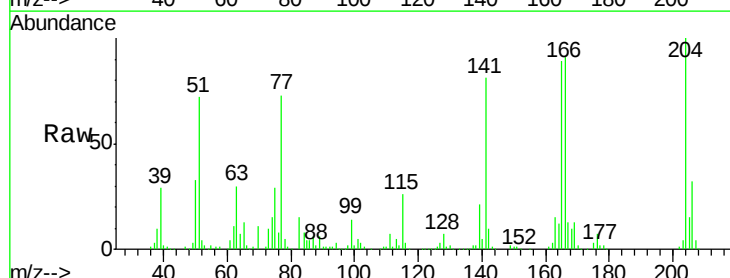
Tgt Ion:204 Resp: 397537

Ion Ratio Lower Upper

204 100

206 32.2 25.4 38.0

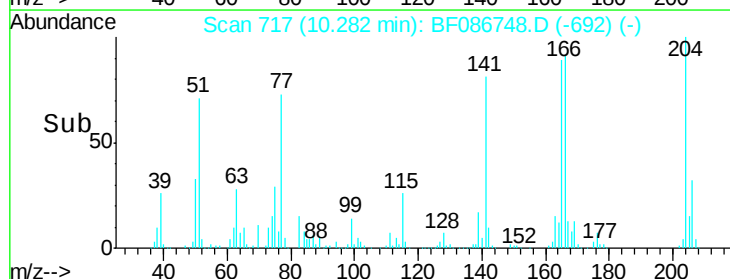
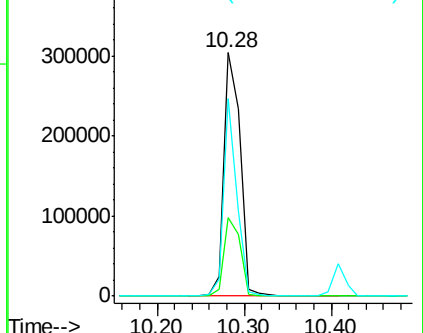
141 81.3 61.6 92.4

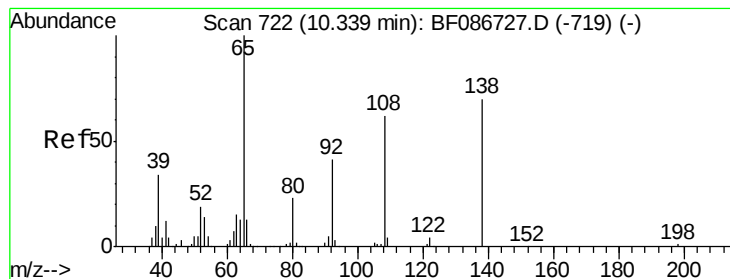


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 38.45 ng

RT: 10.34 min Scan# 722

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampleId :

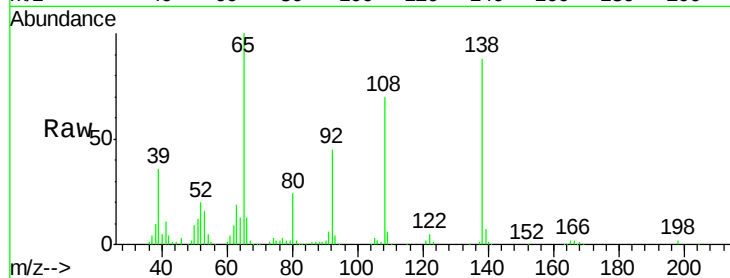
Tot Ion:138 Resp: 226599

Ion Ratio Lower Upper

138 100

92 50.6 24.7 64.7

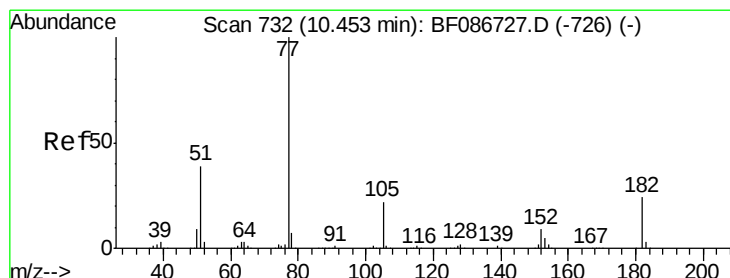
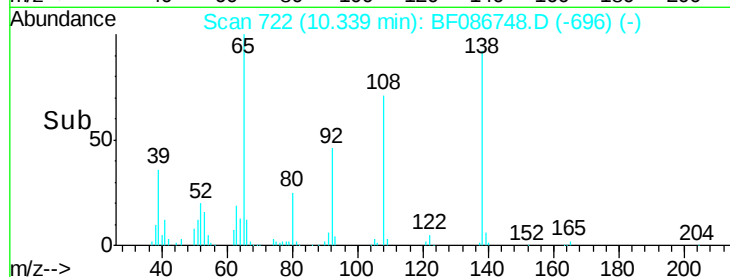
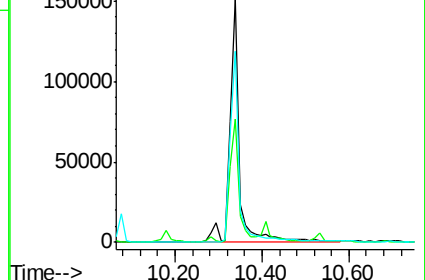
108 78.7 37.4 77.4#



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: 41.94 ng

RT: 10.44 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Tgt Ion: 77 Resp: 1105978

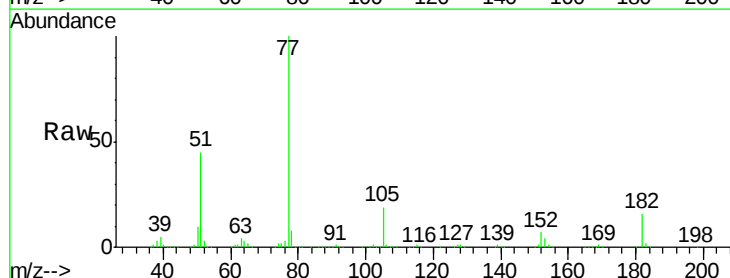
Ion Ratio Lower Upper

77 100

182 16.1 0.0 38.8

105 19.5 3.2 43.2

51 45.0 8.8 48.8

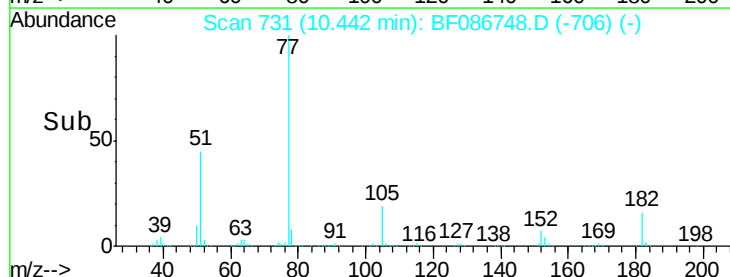
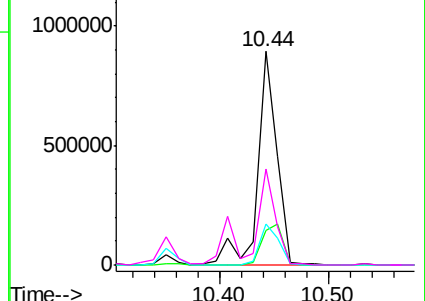


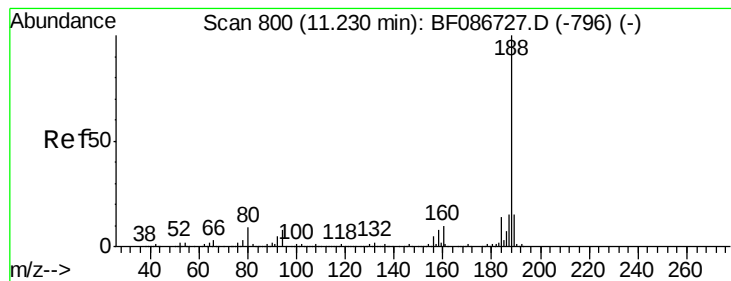
Abundance Ion 77.00 (76.70 to 77.70): BF0

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: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampleId :

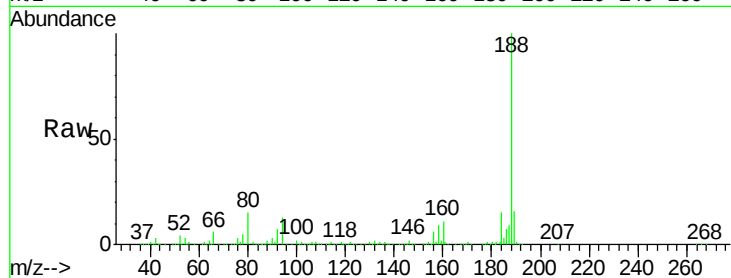
Tot Ion:188 Resp: 584901

Ion Ratio Lower Upper

188 100

94 13.2 6.8 10.2#

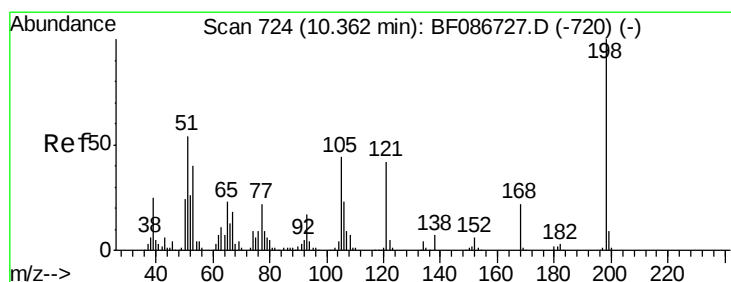
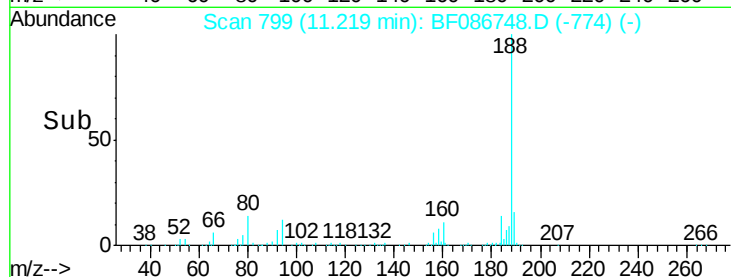
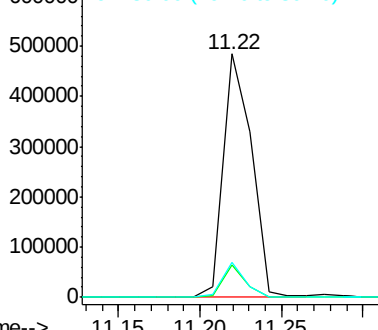
80 14.5 7.1 10.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 47.86 ng

RT: 10.35 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

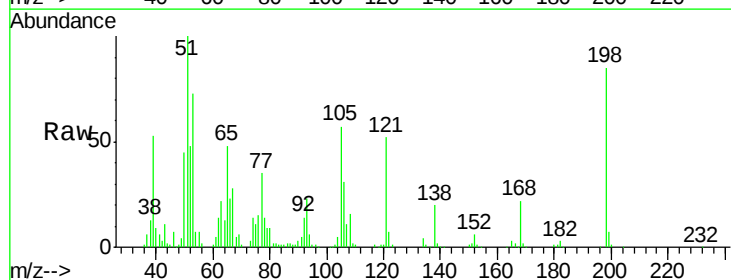
Tgt Ion:198 Resp: 141354

Ion Ratio Lower Upper

198 100

51 118.3 20.5 60.5#

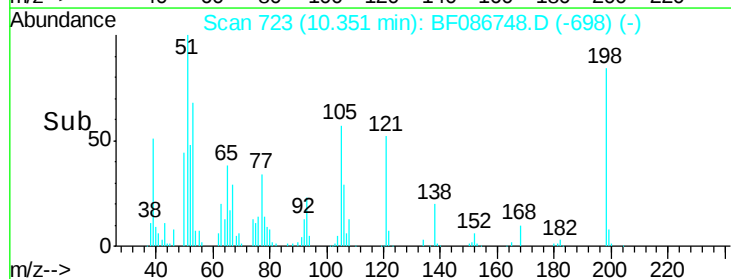
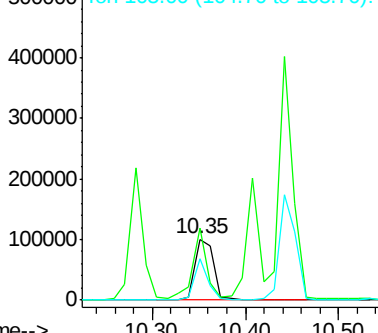
105 67.2 24.5 64.5#

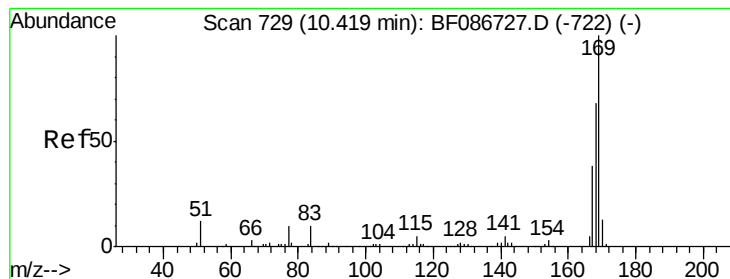


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 40.20 ng

RT: 10.41 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampleId :

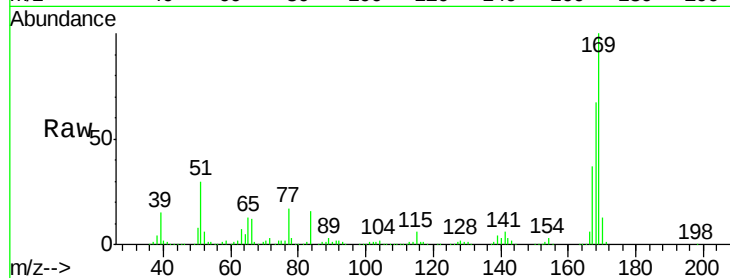
Tot Ion:169 Resp: 746571

Ion Ratio Lower Upper

169 100

168 66.8 53.8 80.6

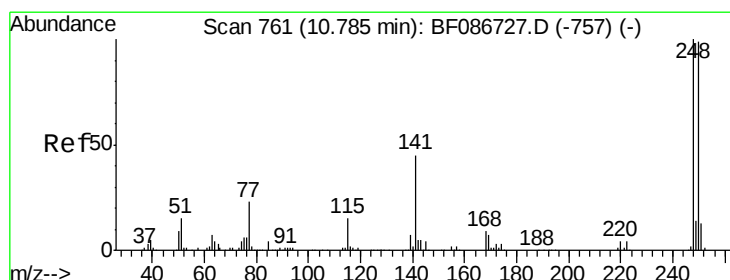
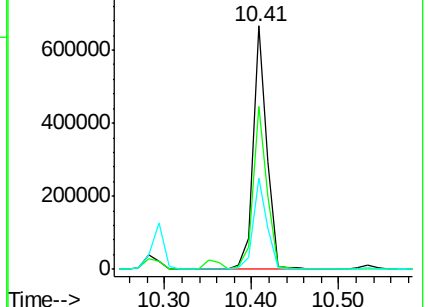
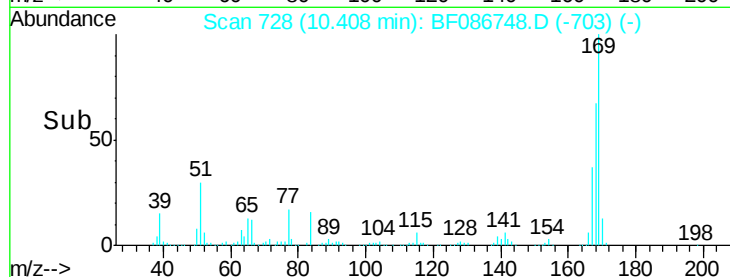
167 37.5 29.5 44.3



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: 43.00 ng

RT: 10.77 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

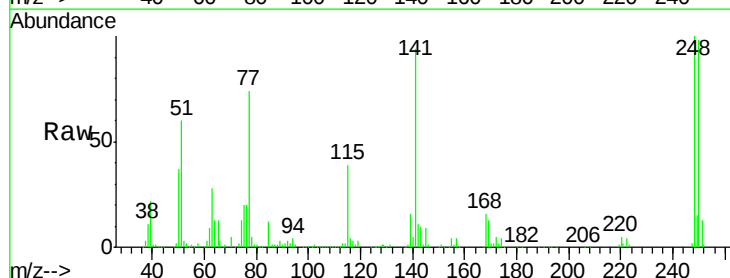
Tgt Ion:248 Resp: 249953

Ion Ratio Lower Upper

248 100

250 97.8 78.6 117.8

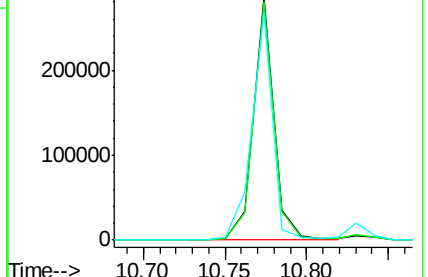
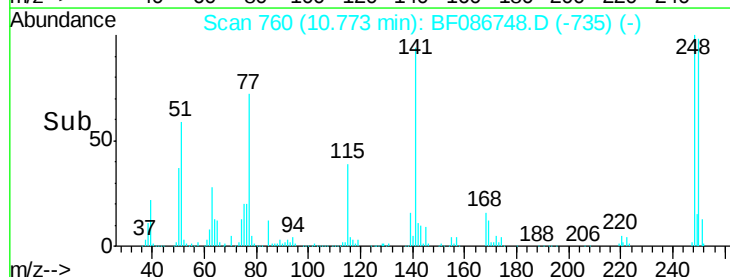
141 93.9 76.0 114.0

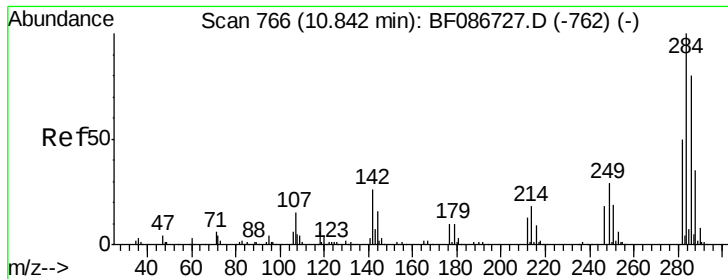


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

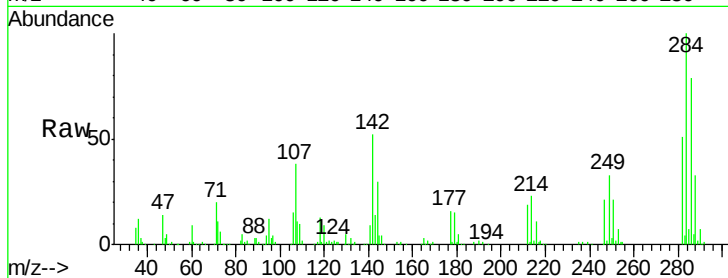




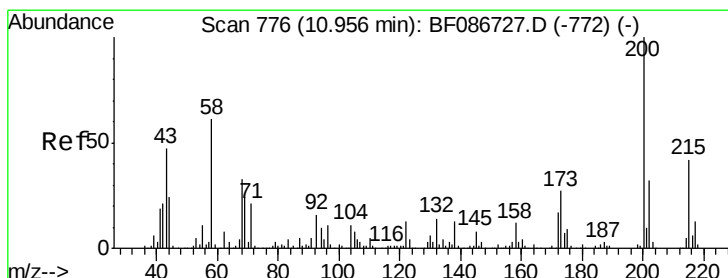
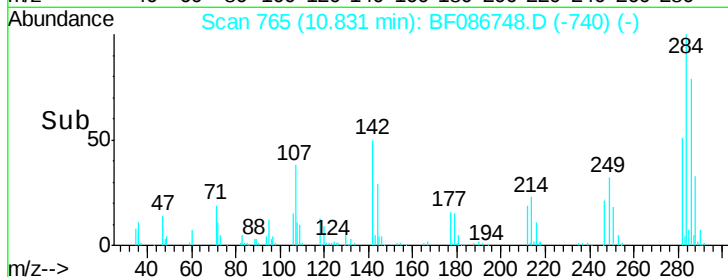
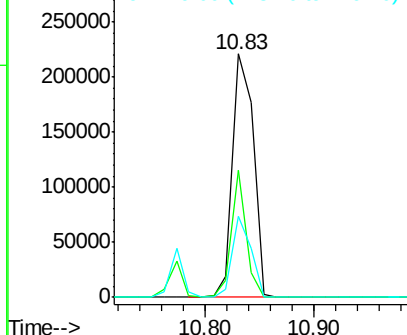
#67
Hexachlorobenzene
Concen: 40.96 ng
RT: 10.83 min Scan# 765
Delta R.T. -0.01 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Instrument :
BNA_F
ClientSampled :

Tot Ion:284 Resp: 290365
Ion Ratio Lower Upper
284 100
142 52.5 16.7 25.1#
249 33.1 21.3 31.9#

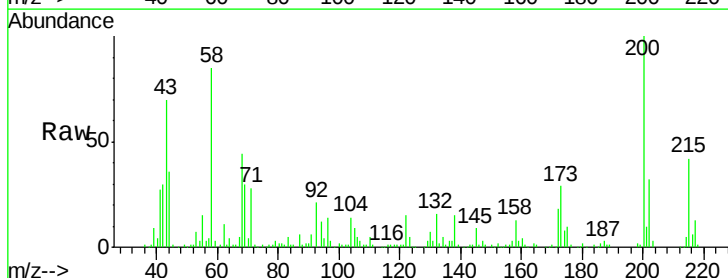


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

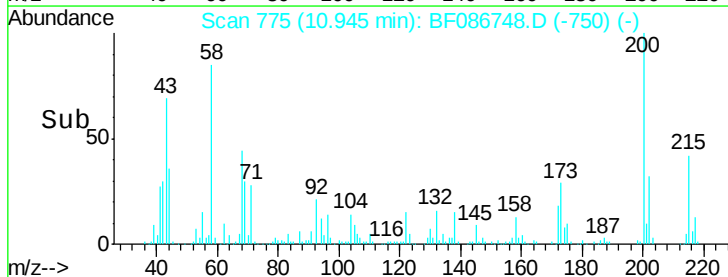
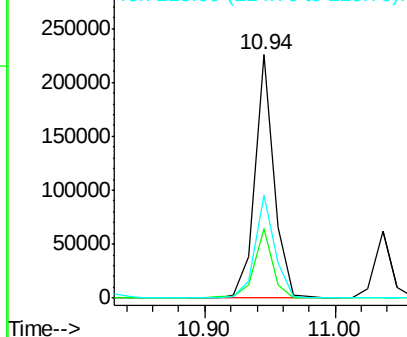


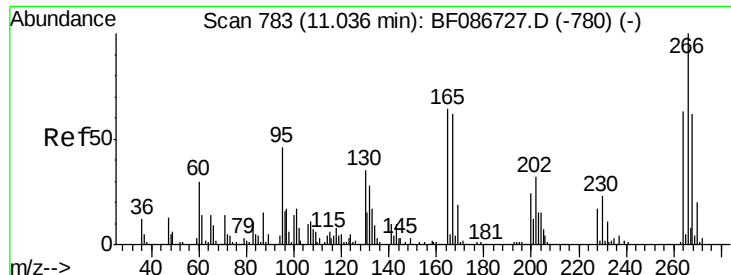
#68
Atrazine
Concen: 40.75 ng
RT: 10.94 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Tgt Ion:200 Resp: 231951
Ion Ratio Lower Upper
200 100
173 28.5 8.5 48.5
215 42.1 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

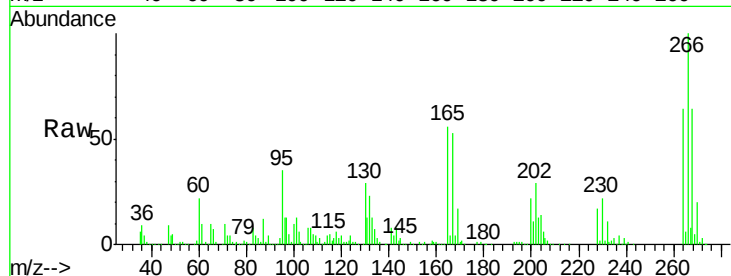




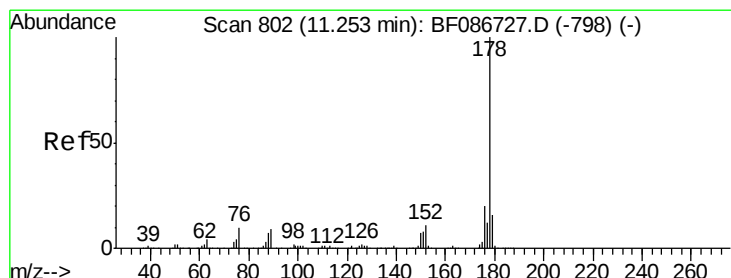
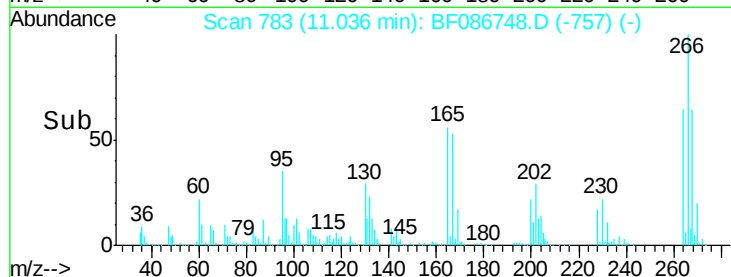
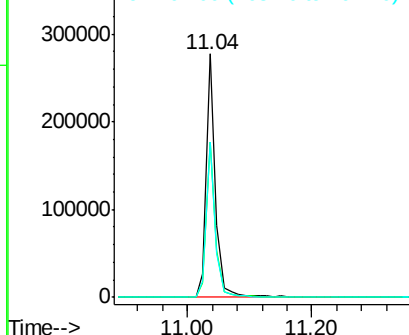
#69
 Pentachlorophenol
 Concen: 83.76 ng
 RT: 11.04 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:266 Resp: 289128
 Ion Ratio Lower Upper
 266 100
 268 63.8 51.5 77.3
 264 63.9 52.9 79.3

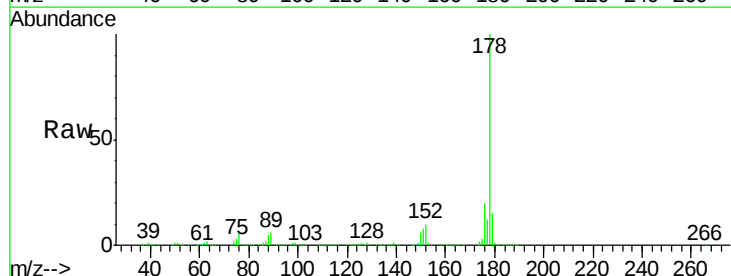


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

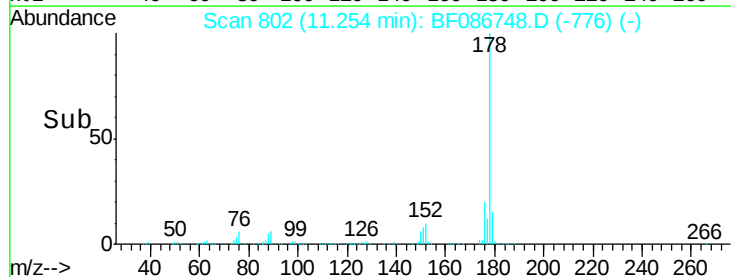
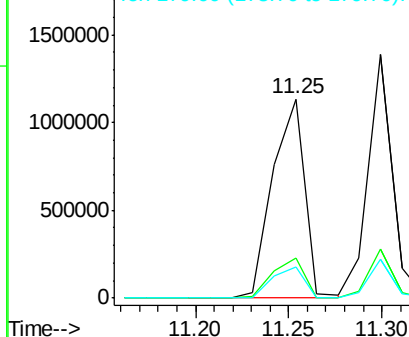


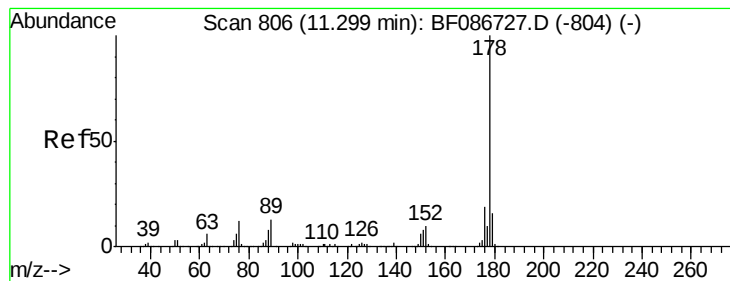
#70
 Phenanthrene
 Concen: 43.10 ng
 RT: 11.25 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Tgt Ion:178 Resp: 1353985
 Ion Ratio Lower Upper
 178 100
 176 20.1 16.0 24.0
 179 15.4 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: 38.78 ng

RT: 11.30 min Scan# 806

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

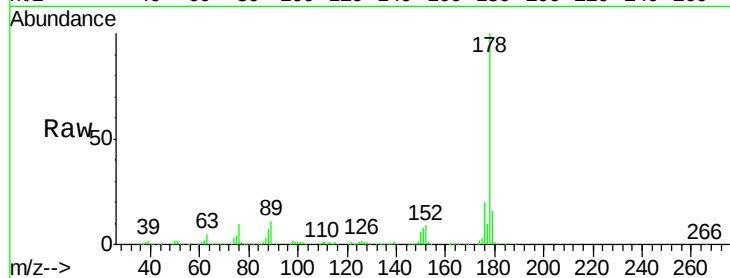
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 1275692

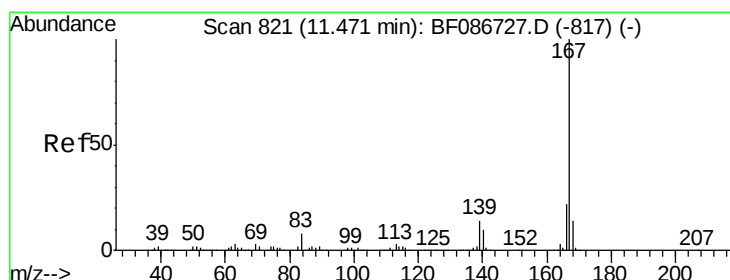
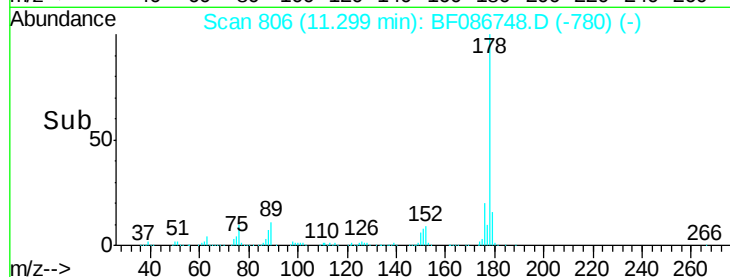
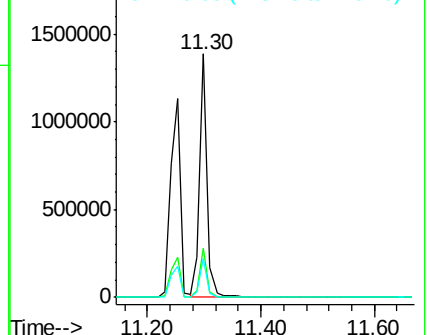
Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.6	23.4
179	16.1	12.7	19.1



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: 37.59 ng

RT: 11.46 min Scan# 820

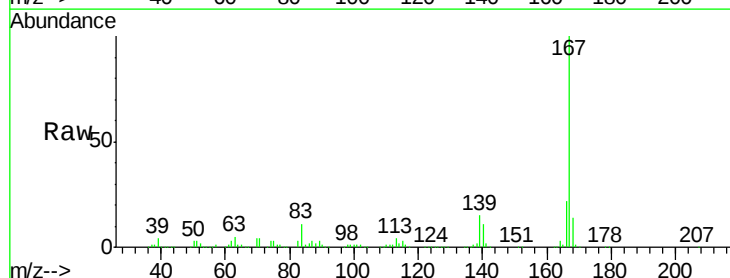
Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Tgt Ion:167 Resp: 1073845

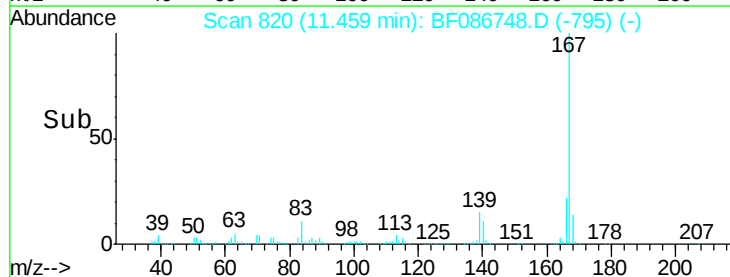
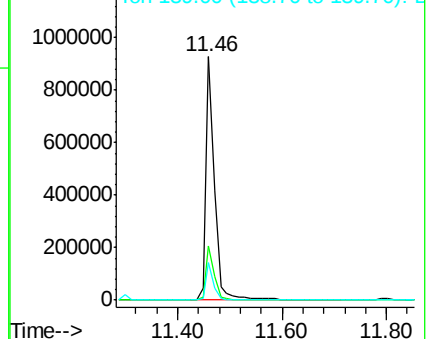
Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.7	26.5
139	15.2	10.8	16.2

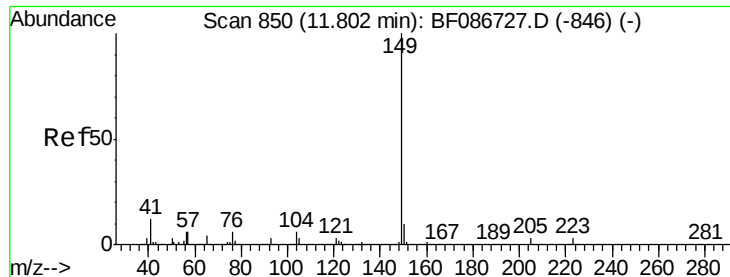


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 40.87 ng

RT: 11.79 min Scan# 849

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampleId :

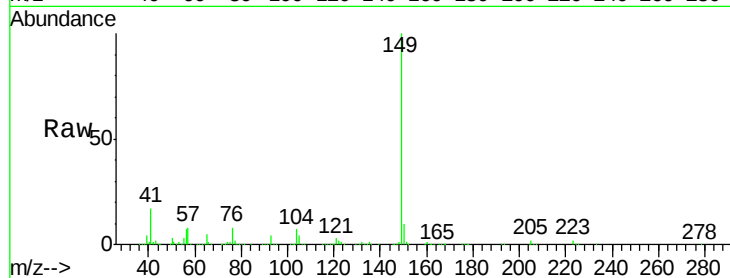
Tot Ion:149 Resp: 1386046

Ion Ratio Lower Upper

149 100

150 9.7 7.6 11.4

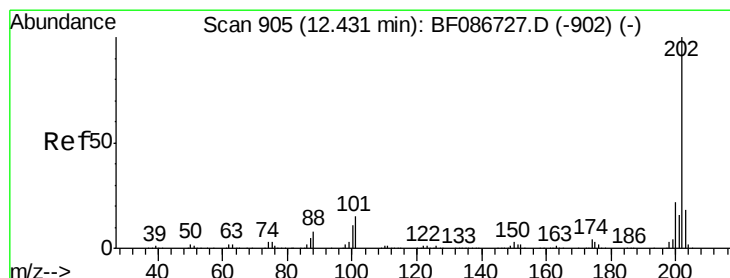
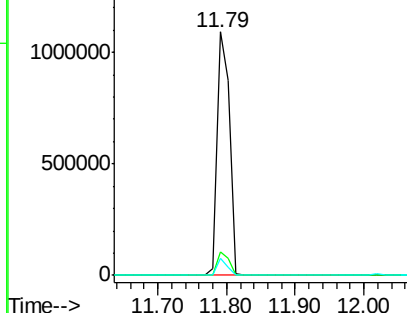
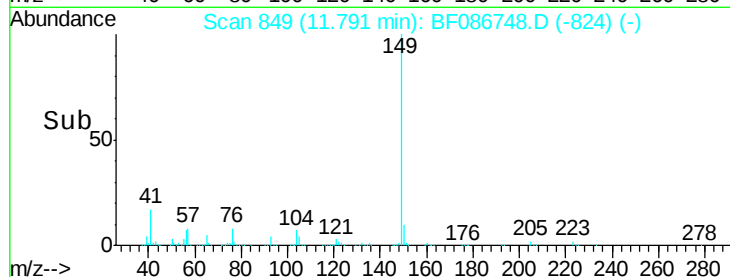
104 6.8 3.8 5.6#



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: 39.94 ng

RT: 12.43 min Scan# 905

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

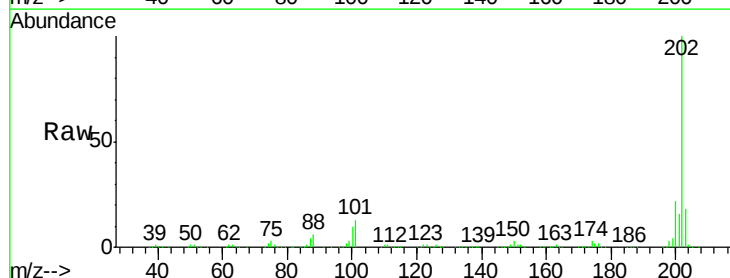
Tgt Ion:202 Resp: 1257543

Ion Ratio Lower Upper

202 100

101 12.8 0.0 35.4

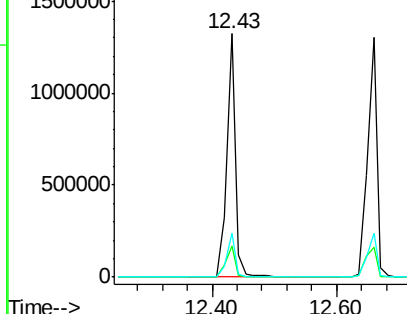
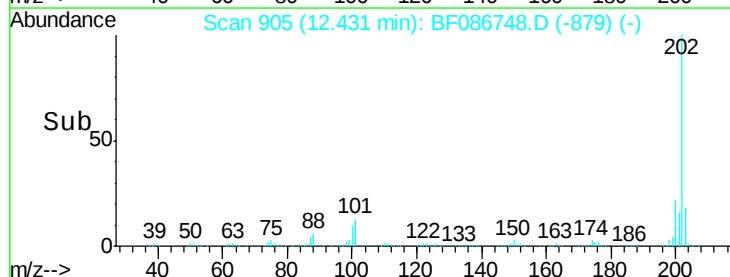
203 18.0 0.0 38.1

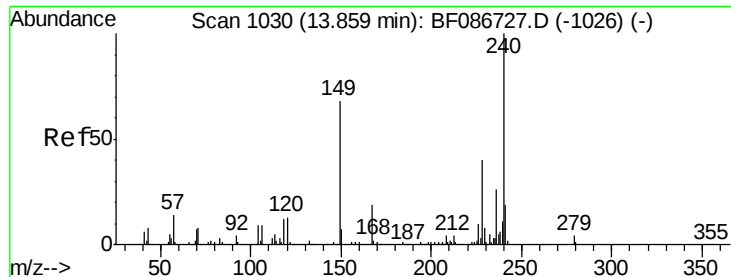


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 40.00 ng

RT: 13.86 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampleId :

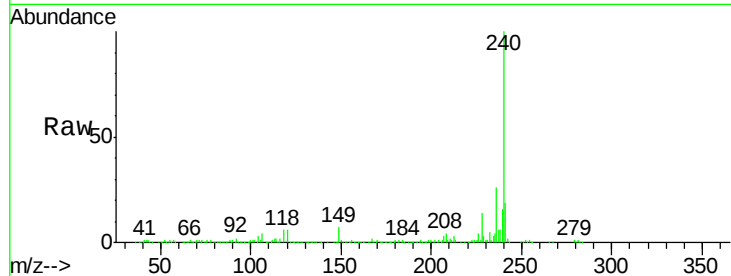
Tot Ion:240 Resp: 376982

Ion Ratio Lower Upper

240 100

120 6.4 11.2 16.8#

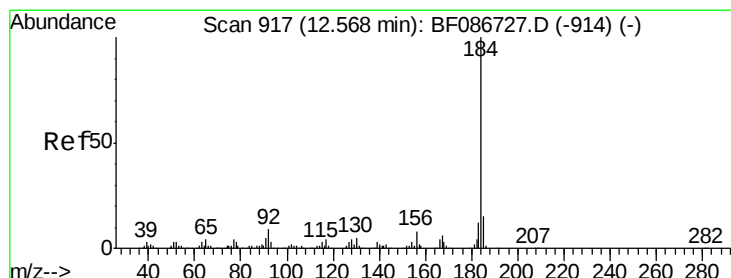
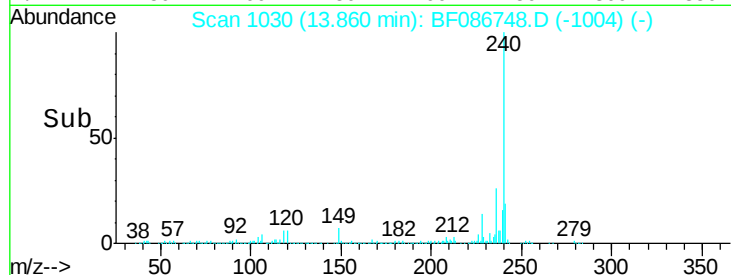
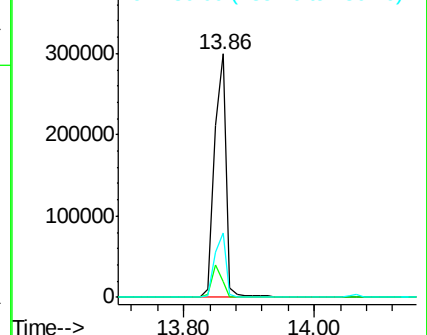
236 26.2 21.2 31.8



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: 32.64 ng

RT: 12.57 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

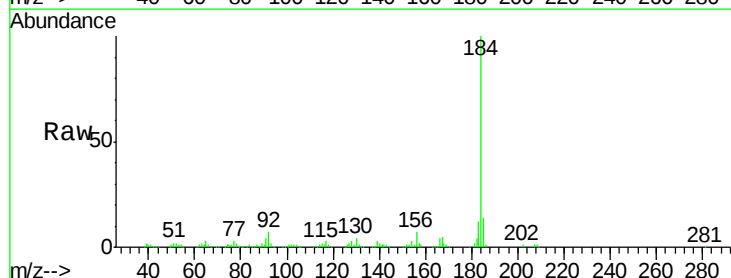
Tgt Ion:184 Resp: 309565

Ion Ratio Lower Upper

184 100

185 14.0 13.6 20.4

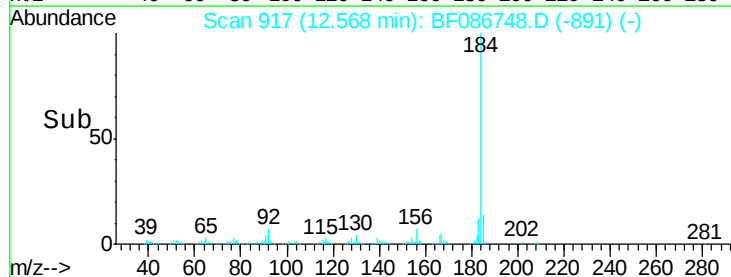
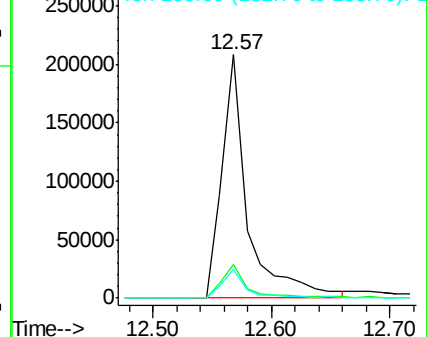
183 11.6 9.8 14.6

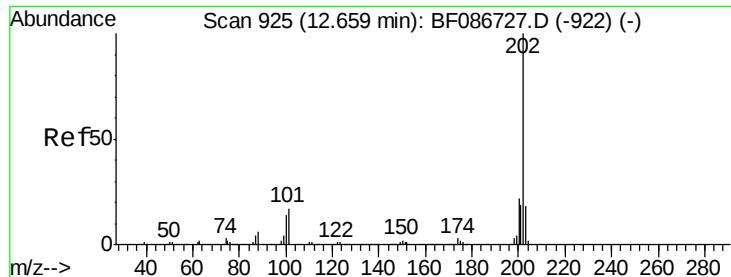


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 44.37 ng

RT: 12.66 min Scan# 925

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampleId :

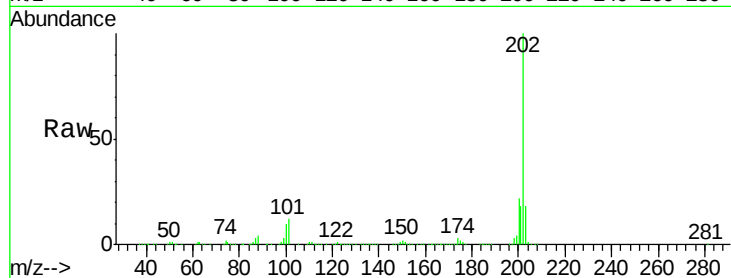
Tot Ion:202 Resp: 1333476

Ion Ratio Lower Upper

202 100

200 22.1 17.7 26.5

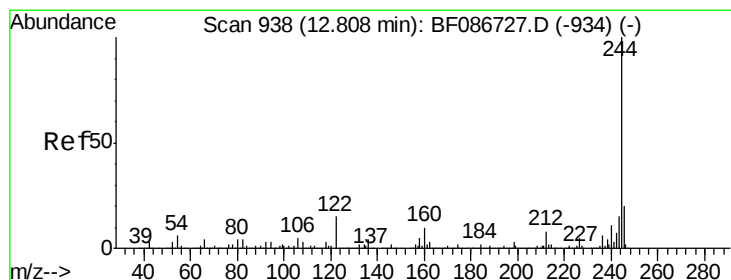
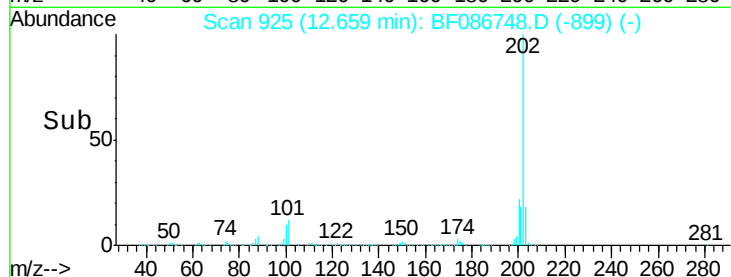
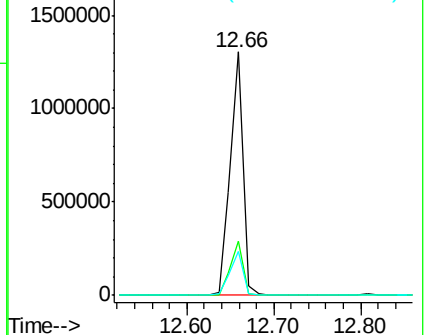
203 18.2 14.2 21.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 82.24 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

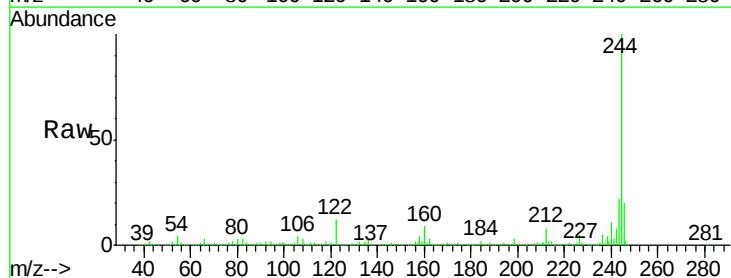
Tgt Ion:244 Resp: 1534030

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

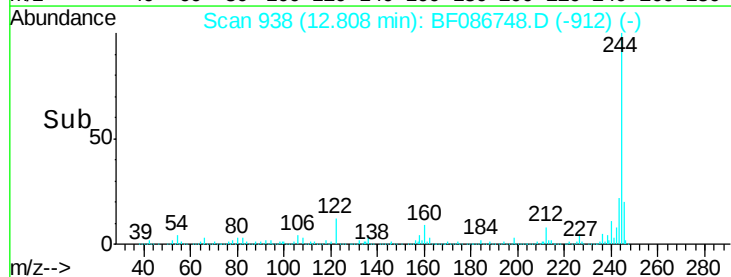
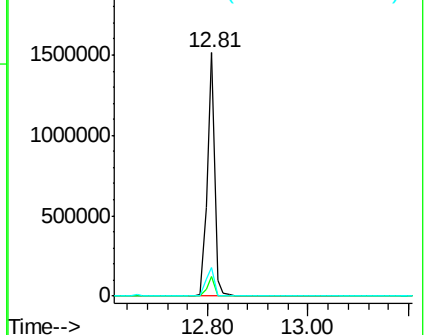
122 12.0 12.0 18.0#

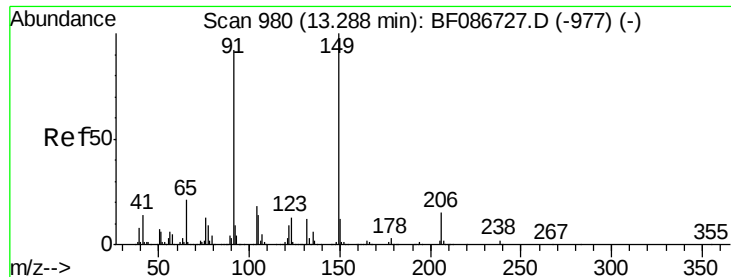


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

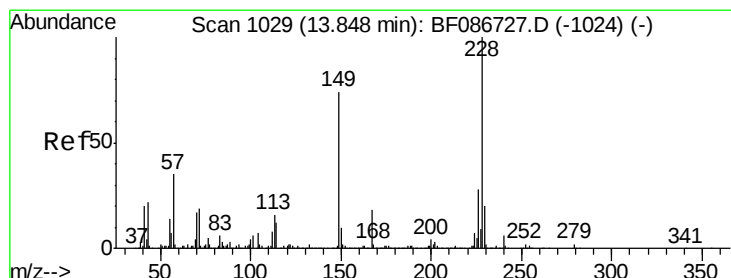
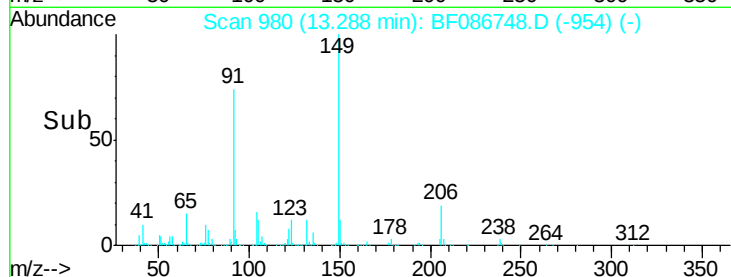
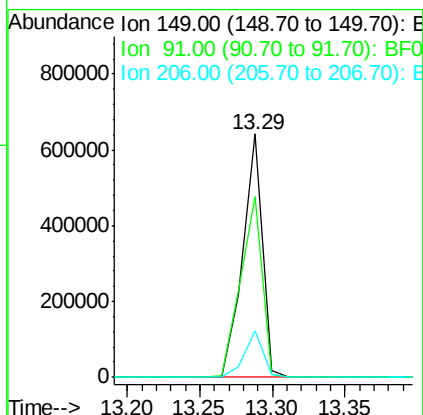
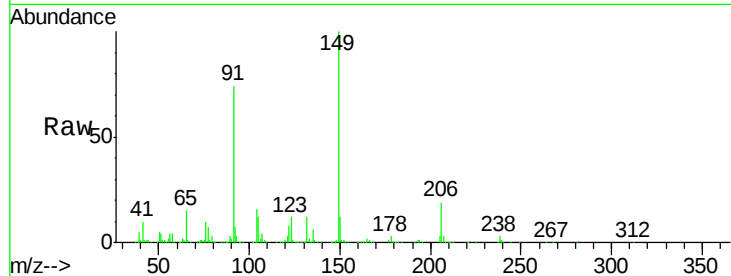




#79
Butylbenzylphthalate
Concen: 48.31 ng
RT: 13.29 min Scan# 980
Delta R.T. 0.00 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

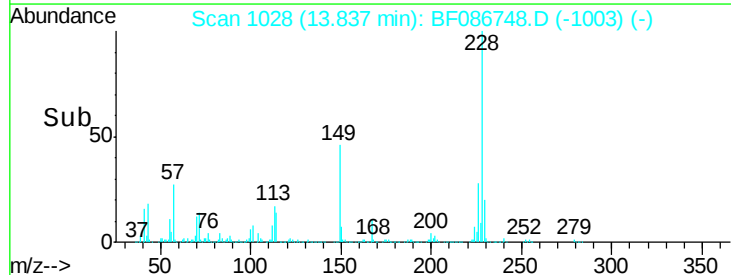
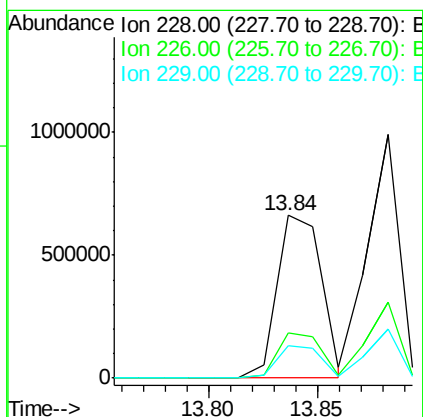
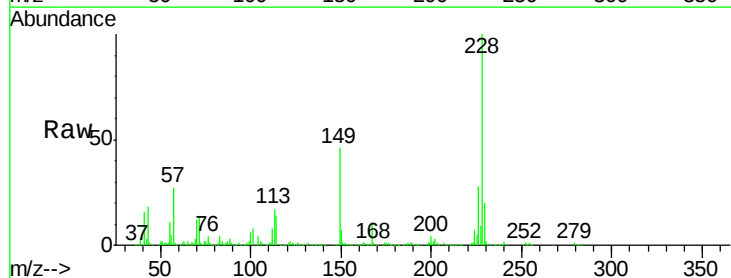
Instrument :
BNA_F
ClientSampleId :

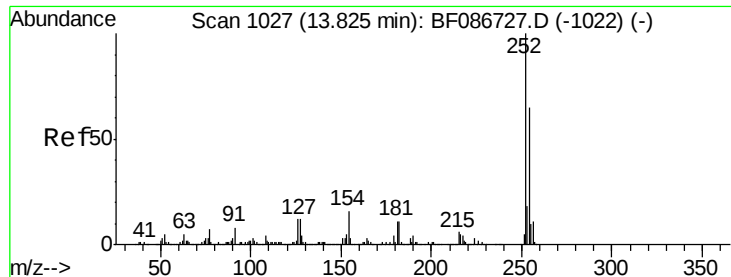
Tot Ion:149 Resp: 608184
Ion Ratio Lower Upper
149 100
91 74.3 48.0 72.0#
206 19.0 15.8 23.6



#80
Benzo(a)anthracene
Concen: 44.09 ng
RT: 13.84 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Tgt Ion:228 Resp: 939931
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: 11.90 ng

RT: 13.81 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampleId :

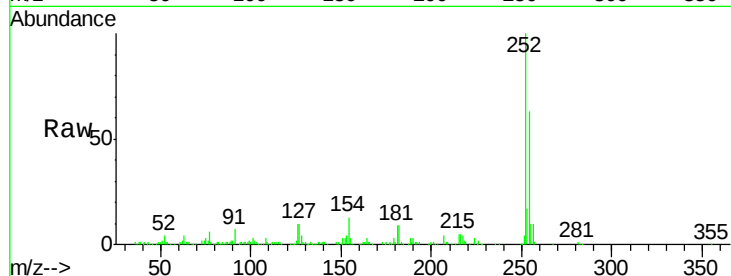
Tot Ion:252 Resp: 159483

Ion Ratio Lower Upper

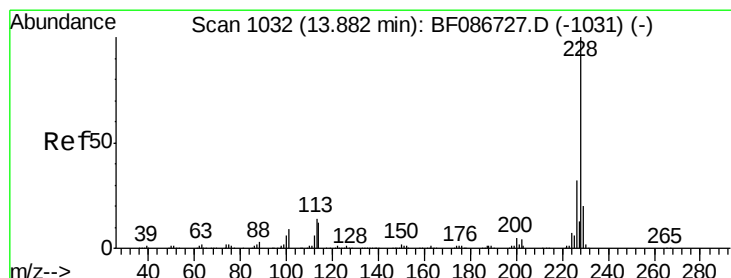
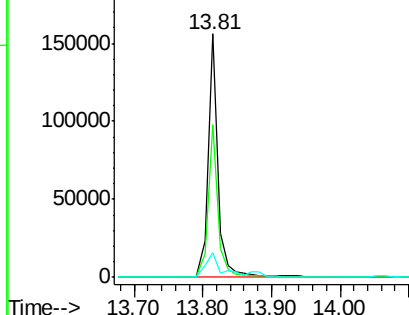
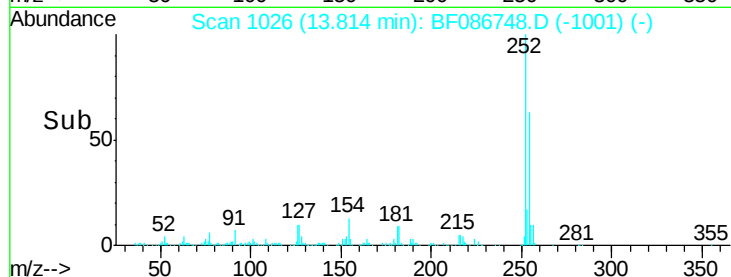
252 100

254 62.7 50.7 76.1

126 10.0 12.7 19.1#



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



#82

Chrysene

Concen: 45.42 ng

RT: 13.88 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

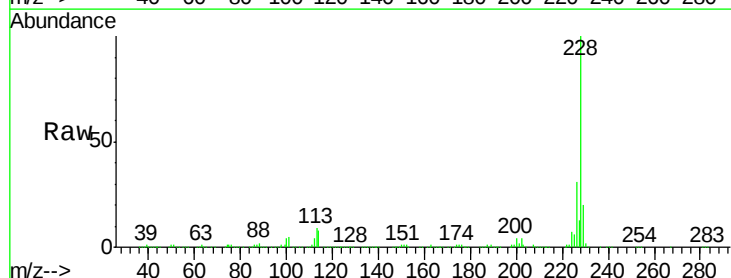
Tgt Ion:228 Resp: 1033202

Ion Ratio Lower Upper

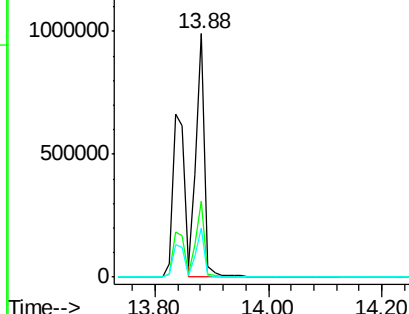
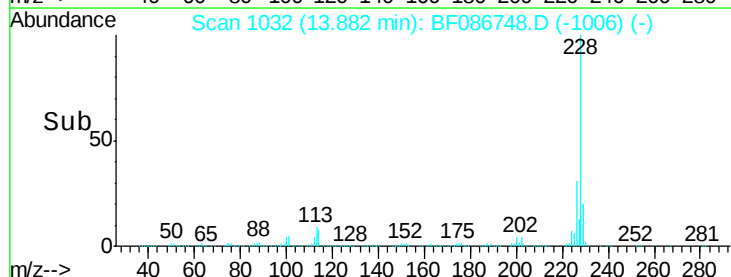
228 100

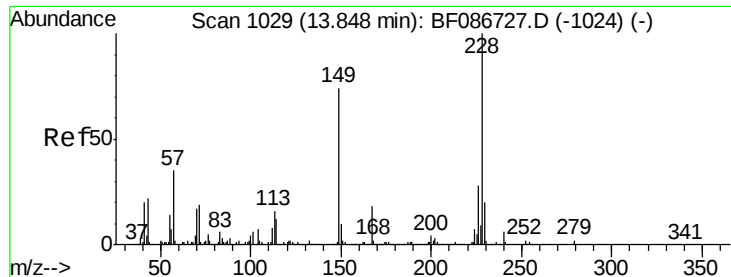
226 31.4 24.4 36.6

229 20.2 15.8 23.8



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

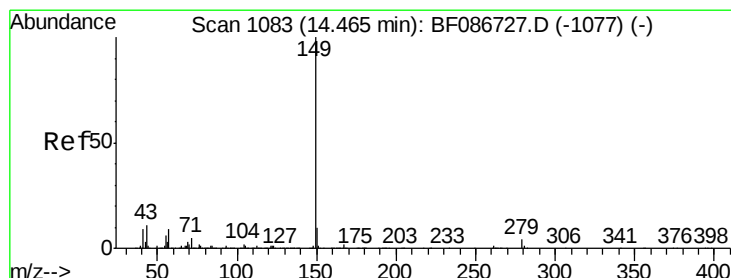
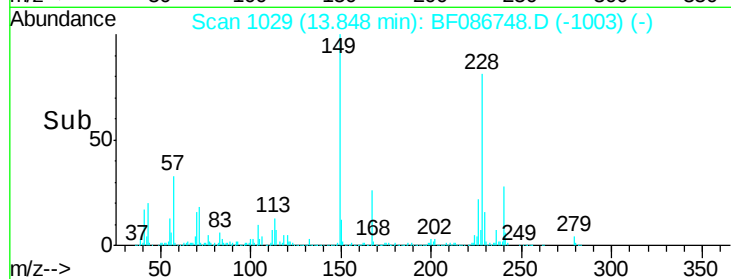
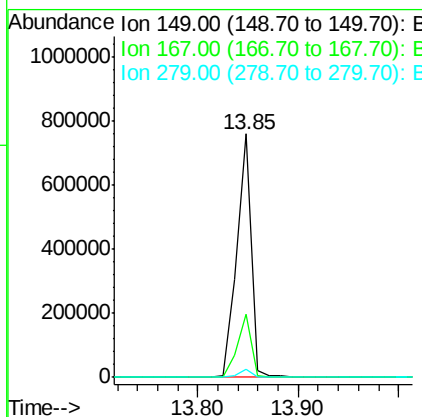
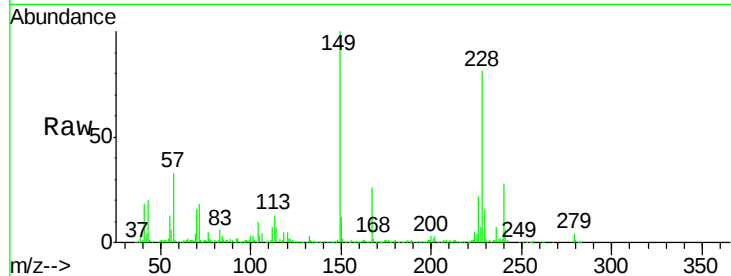




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 51.85 ng
 RT: 13.85 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

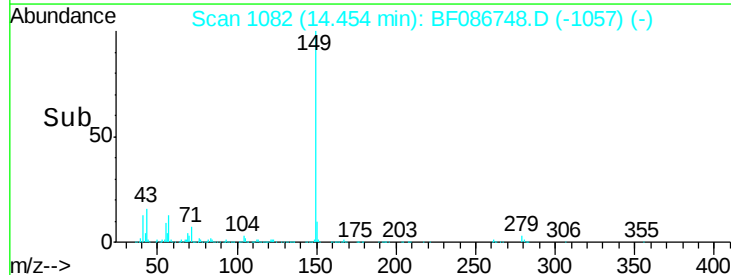
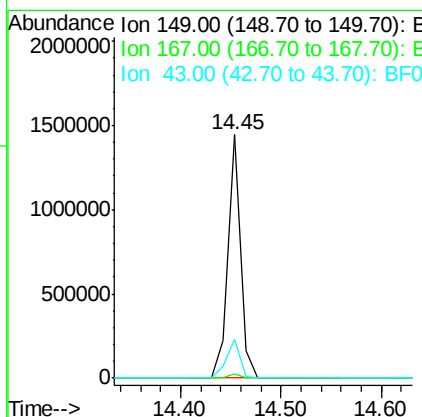
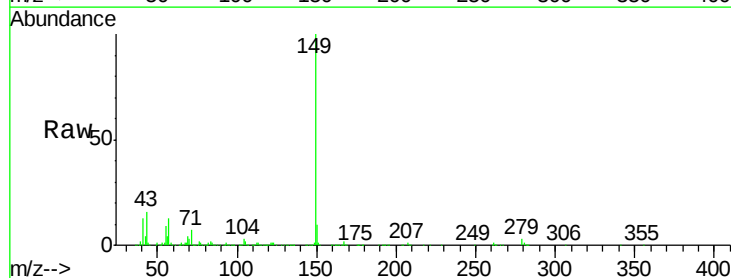
Instrument :
 BNA_F
 ClientSampleId :

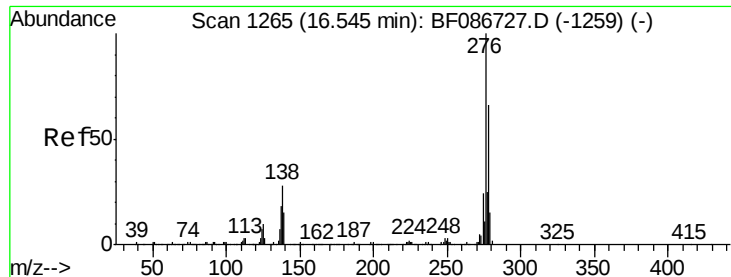
Tot Ion:149 Resp: 755358
 Ion Ratio Lower Upper
 149 100
 167 26.2 21.8 32.6
 279 3.5 2.6 4.0



#84
 Di-n-octyl phthalate
 Concen: 59.01 ng
 RT: 14.45 min Scan# 1082
 Delta R.T. -0.01 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Tgt Ion:149 Resp: 1264998
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.2 1.8
 43 17.1 8.2 12.4#

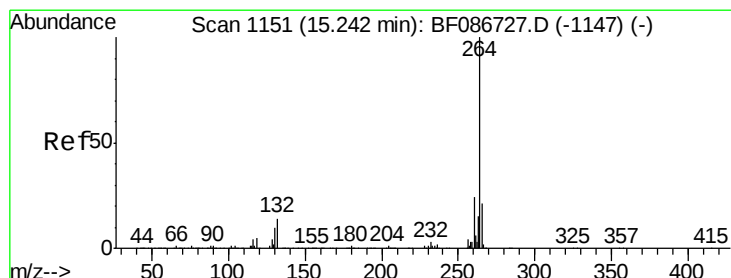
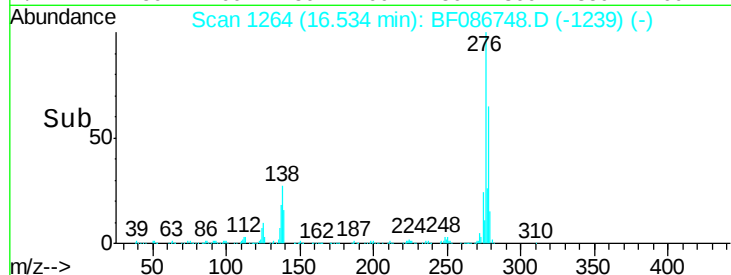
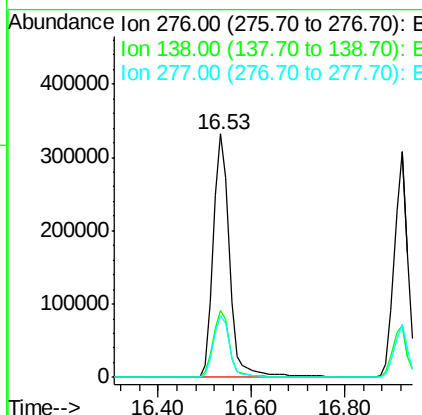
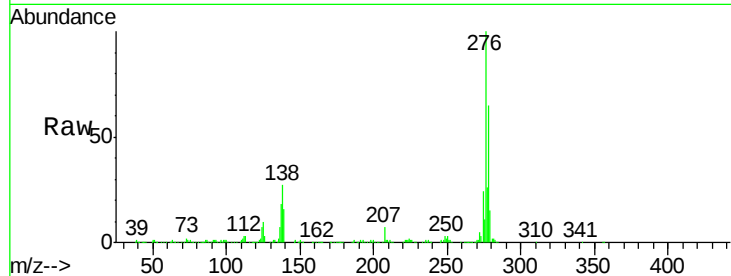




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 41.76 ng
 RT: 16.53 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

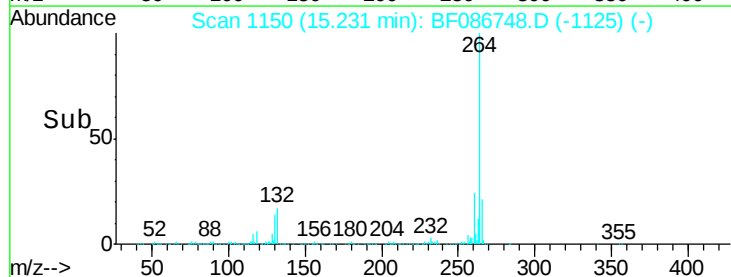
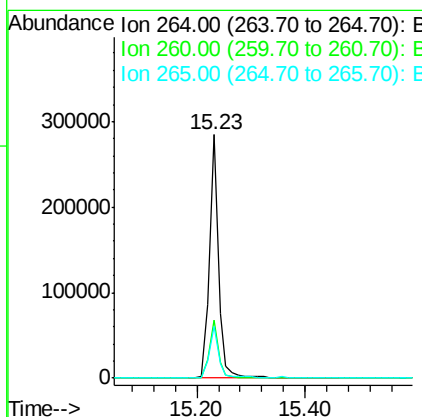
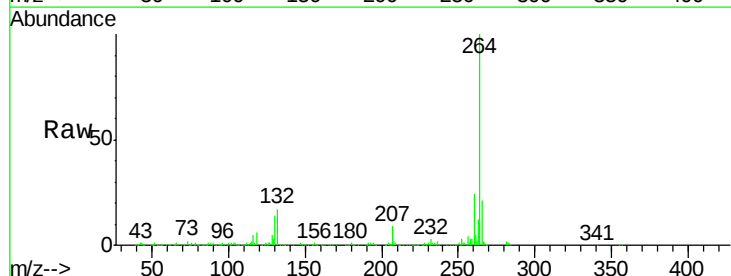
Instrument :
 BNA_F
 ClientSampleId :

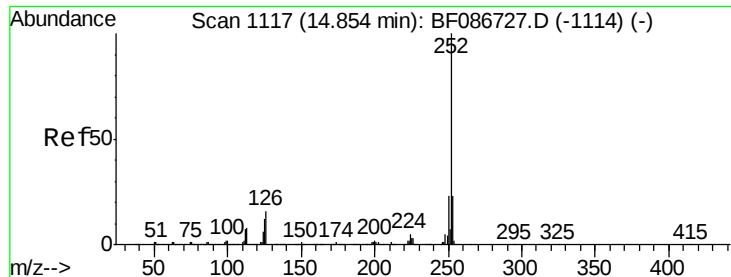
Tot Ion:276 Resp: 814895
 Ion Ratio Lower Upper
 276 100
 138 27.9 25.6 38.4
 277 25.7 20.5 30.7



#86
 Perylene-d12
 Concen: 40.00 ng
 RT: 15.23 min Scan# 1150
 Delta R.T. -0.01 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Tgt Ion:264 Resp: 333856
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.5 29.3
 265 21.4 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 85.86 ng

RT: 14.88 min Scan# 1119

Delta R.T. 0.02 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampleId :

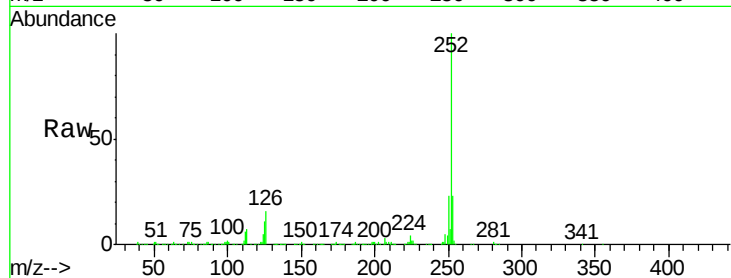
Tot Ion:252 Resp: 1722539

Ion Ratio Lower Upper

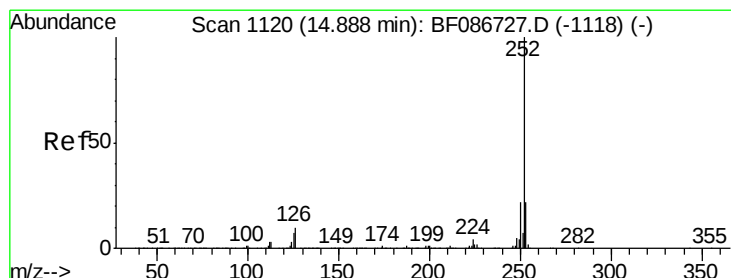
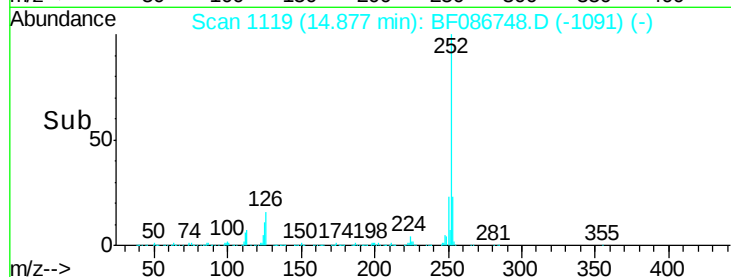
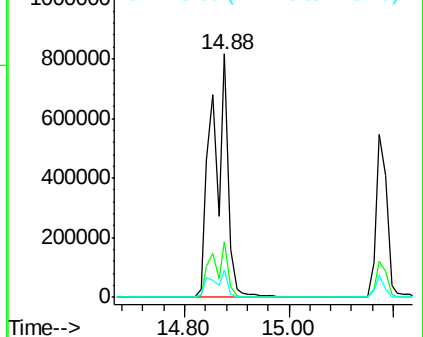
252 100

253 22.6 17.8 26.6

125 11.1 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: 91.25 ng

RT: 14.88 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

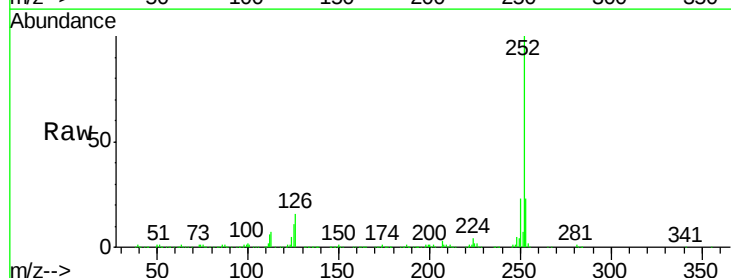
Tgt Ion:252 Resp: 1724820

Ion Ratio Lower Upper

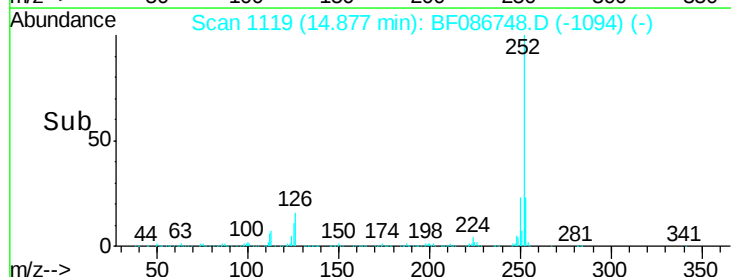
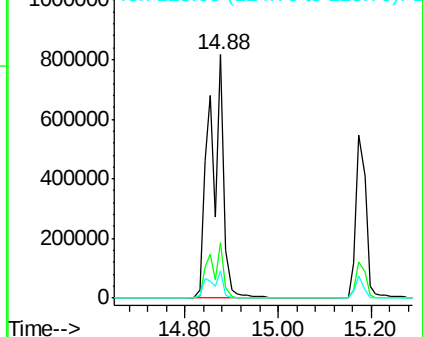
252 100

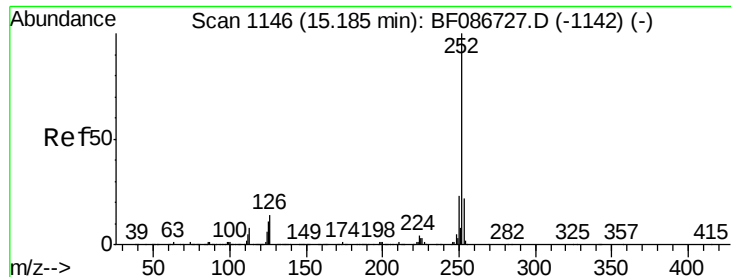
253 22.6 17.8 26.6

125 11.1 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: 43.18 ng

RT: 15.17 min Scan# 1145

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampleId :

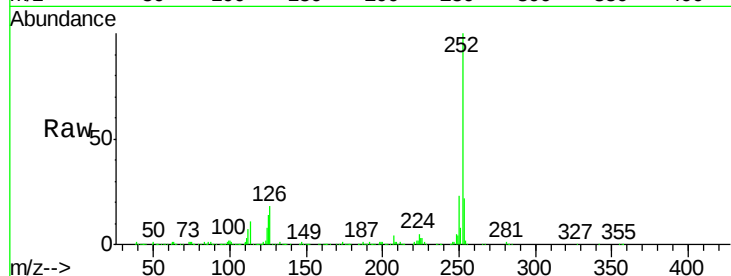
Tot Ion:252 Resp: 797868

Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

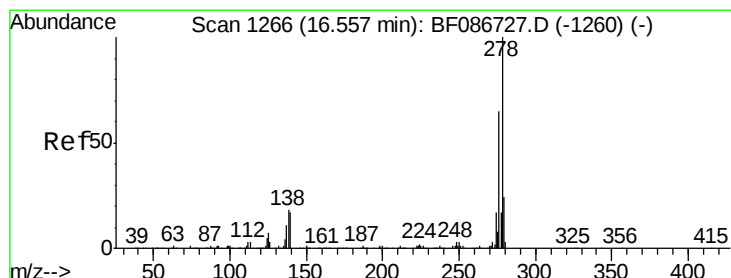
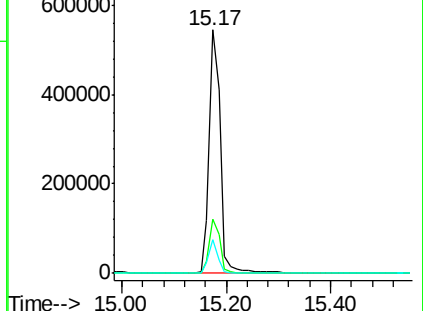
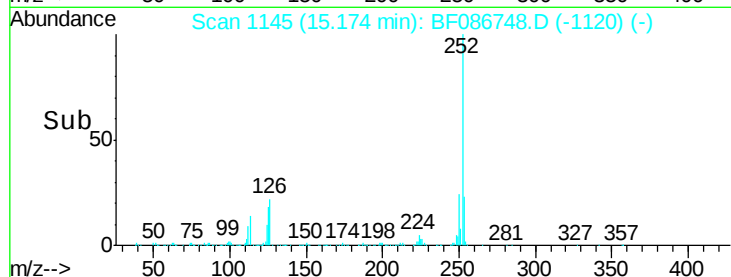
125 13.9 9.0 13.6#



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: 38.81 ng

RT: 16.55 min Scan# 1265

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

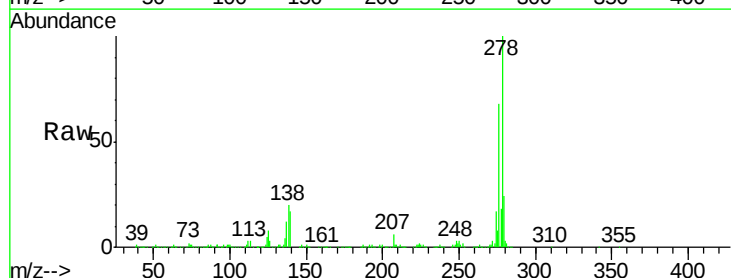
Tgt Ion:278 Resp: 688916

Ion Ratio Lower Upper

278 100

139 17.5 16.6 24.8

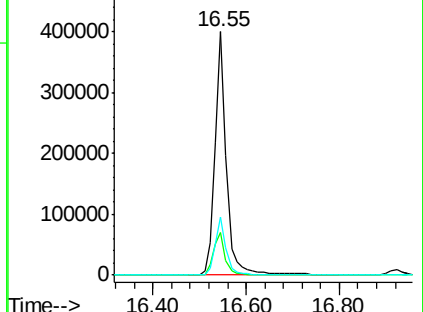
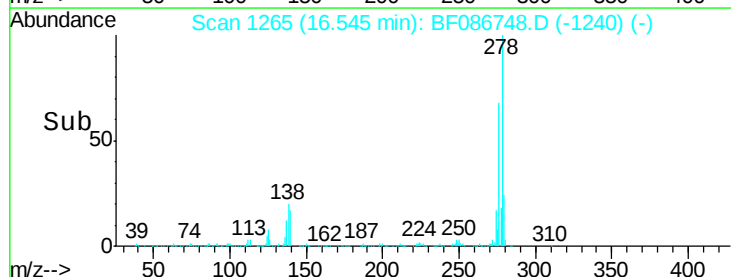
279 23.7 19.6 29.4

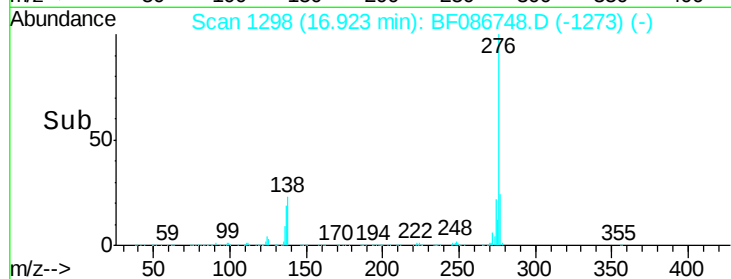
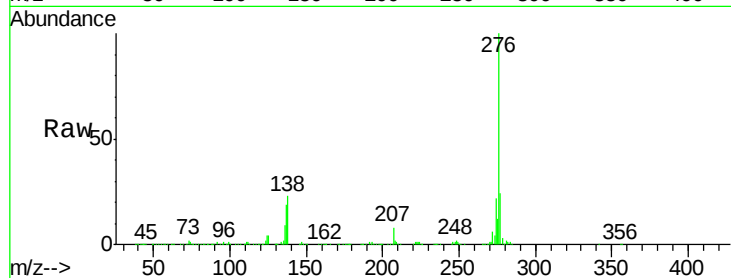
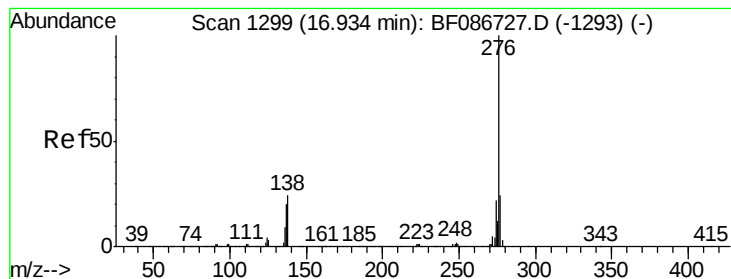


Abundance Ion 278.00 (277.70 to 278.70): E

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: 36.42 ng

RT: 16.92 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 678656

Ion Ratio Lower Upper

276 100

277 23.6 19.6 29.4

138 22.9 23.6 35.4#

