

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070616\
 Data File : BF088733.D
 Acq On : 6 Jul 2016 12:27
 Operator : UM/SJ
 Sample : PB91761BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB91761BS

Quant Time: Jul 06 16:19:51 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 05 17:15:08 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	94299	20.00	ng	-0.02
21) Naphthalene-d8	8.04	136	405814	20.00	ng	-0.02
38) Acenaphthene-d10	9.79	164	189787	20.00	ng	-0.02
63) Phenanthrene-d10	11.27	188	368963	20.00	ng	-0.02
75) Chrysene-d12	13.90	240	247932	20.00	ng	-0.02
86) Perylene-d12	15.28	264	193687	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	673586	107.05	ng	-0.01
7) Phenol-d6	6.40	99	977289	120.21	ng	-0.01
23) Nitrobenzene-d5	7.32	82	573327	74.04	ng	-0.02
41) 2,4,6-Tribromophenol	10.58	330	221441	125.65	ng	-0.02
44) 2-Fluorobiphenyl	9.12	172	1046011	87.06	ng	-0.02
78) Terphenyl-d14	12.86	244	933607	83.87	ng	-0.01

Target Compounds				Qvalue		
3) Pyridine	3.04	79	267799	29.58	ng	92
4) n-Nitrosodimethylamine	2.99	42	115566	33.42	ng	91
6) Aniline	6.42	93	315126	26.60	ng	# 53
8) 2-Chlorophenol	6.55	128	298122	44.08	ng	90
9) Benzaldehyde	6.30	77	196159	35.62	ng	82
10) Phenol	6.42	94	315355	33.99	ng	# 55
11) bis(2-Chloroethyl)ether	6.50	93	275661	39.84	ng	89
12) 1,3-Dichlorobenzene	6.70	146	267941	36.01	ng	97
13) 1,4-Dichlorobenzene	6.78	146	291995	39.53	ng	97
14) 1,2-Dichlorobenzene	6.92	146	255418	36.94	ng	# 85
15) Benzyl Alcohol	6.90	79	249514	41.70	ng	93
16) 2,2'-oxybis(1-Chloropropan	7.05	45	343075	34.24	ng	86
17) 2-Methylphenol	7.03	107	254199	46.08	ng	98
18) Hexachloroethane	7.27	117	109971	38.49	ng	# 81
19) n-Nitroso-di-n-propylamine	7.19	70	223785	40.98	ng	# 85
20) 3+4-Methylphenols	7.18	107	268415	40.54	ng	# 82
22) Acetophenone	7.18	105	399202	40.53	ng	# 87
24) Nitrobenzene	7.35	77	346856	44.42	ng	92
25) Isophorone	7.59	82	572992	39.95	ng	97
26) 2-Nitrophenol	7.66	139	144939	45.27	ng	90
27) 2,4-Dimethylphenol	7.70	122	259005	38.84	ng	88
28) bis(2-Chloroethoxy)methane	7.80	93	393459	42.15	ng	# 96
29) 2,4-Dichlorophenol	7.91	162	255356	47.38	ng	96
30) 1,2,4-Trichlorobenzene	7.99	180	244627	41.36	ng	100
31) Naphthalene	8.07	128	854131	42.69	ng	99
32) Benzoic acid	7.77	122	12062	2.49	ng	# 82
33) 4-Chloroaniline	8.11	127	201362	22.62	ng	97
34) Hexachlorobutadiene	8.19	225	132103	41.71	ng	98
35) Caprolactam	8.49	113	37711	20.60	ng	92
36) 4-Chloro-3-methylphenol	8.60	107	272983	42.83	ng	93
37) 2-Methylnaphthalene	8.75	142	496338	38.53	ng	# 94
39) 1,2,4,5-Tetrachlorobenzene	8.92	216	226448	35.87	ng	# 1
40) Hexachlorocyclopentadiene	8.91	237	239492	77.30	ng	99
42) 2,4,6-Trichlorophenol	9.04	196	189224	45.47	ng	98

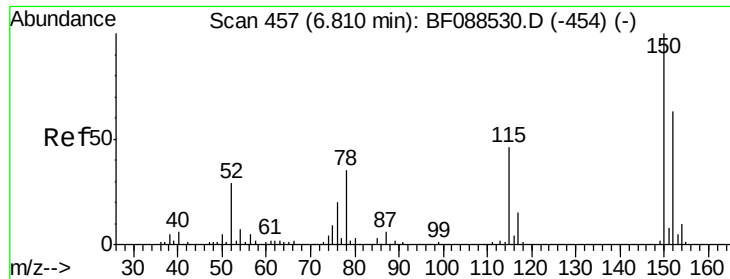
Data Path : Z:\HPCHEM1\BNA F\DATA\BF070616\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.07	196	151139	42.21	nq	# 82
45) 1,1'-Biphenyl	9.22	154	645545	41.08	nq	99
46) 2-Chloronaphthalene	9.24	162	511707	41.48	nq	98
47) 2-Nitroaniline	9.34	65	156047	35.64	nq	95
48) Acenaphthylene	9.66	152	769006	39.17	nq	99
49) Dimethylphthalate	9.53	163	587435	43.45	nq	100
50) 2,6-Dinitrotoluene	9.59	165	146920	49.03	nq	# 67
51) Acenaphthene	9.83	154	460096	38.24	nq	98
52) 3-Nitroaniline	9.75	138	93803	24.62	nq	87
53) 2,4-Dinitrophenol	9.85	184	21265	16.07	nq	# 79
54) Dibenzofuran	10.00	168	680090	43.18	nq	# 86
55) 4-Nitrophenol	9.92	139	231986	80.14	nq	94
56) 2,4-Dinitrotoluene	9.99	165	164627	42.02	nq	# 45
57) Fluorene	10.34	166	530622	43.72	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.12	232	126997	45.84	nq	# 54
59) Diethylphthalate	10.23	149	598823	44.13	nq	99
60) 4-Chlorophenyl-phenylether	10.34	204	251863	44.66	nq	# 88
61) 4-Nitroaniline	10.36	138	134384	36.66	nq	82
62) Azobenzene	10.49	77	708876	45.80	nq	92
64) 4,6-Dinitro-2-methylphenol	10.40	198	32592	16.52	nq	# 55
65) n-Nitrosodiphenylamine	10.46	169	476249	38.14	nq	99
66) 4-Bromophenyl-phenylether	10.82	248	146297	39.35	nq	# 75
67) Hexachlorobenzene	10.89	284	181522	44.10	nq	# 86
68) Atrazine	10.99	200	177025	45.49	nq	98
69) Pentachlorophenol	11.08	266	116466	47.81	nq	99
70) Phenanthrene	11.30	178	898139	44.53	nq	99
71) Anthracene	11.35	178	769558	38.37	nq	100
72) Carbazole	11.51	167	855053	45.30	nq	99
73) Di-n-butylphthalate	11.84	149	938220	42.73	nq	# 99
74) Fluoranthene	12.48	202	870390	42.57	nq	99
76) Benzidine	12.61	184	547948	43.72	nq	98
77) Pyrene	12.71	202	909414	43.26	nq	100
79) Butylbenzylphthalate	13.34	149	418373	44.62	nq	98
80) Benzo(a)anthracene	13.89	228	681015	42.66	nq	100
81) 3,3'-Dichlorobenzidine	13.85	252	111868	18.64	nq	# 96
82) Chrysene	13.93	228	670158	42.43	nq	98
83) Bis(2-ethylhexyl)phthalate	13.90	149	510590	47.69	nq	# 99
84) Di-n-octyl phthalate	14.50	149	814302	44.77	nq	# 100
85) Indeno(1,2,3-cd)pyrene	16.61	276	511415	42.08	nq	# 100
87) Benzo(b)fluoranthene	14.93	252	1059132	87.17	nq	99
88) Benzo(k)fluoranthene	14.93	252	1059084	100.13	nq	# 94
89) Benzo(a)pyrene	15.22	252	457988	44.52	nq	98
90) Dibenzo(a,h)anthracene	16.62	278	420764	48.98	nq	99
91) Benzo(g,h,i)perylene	17.01	276	437455	49.21	nq	95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 452

Delta R.T. -0.02 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

Instrument :

BNA_F

ClientSampleId :

PB91761BS

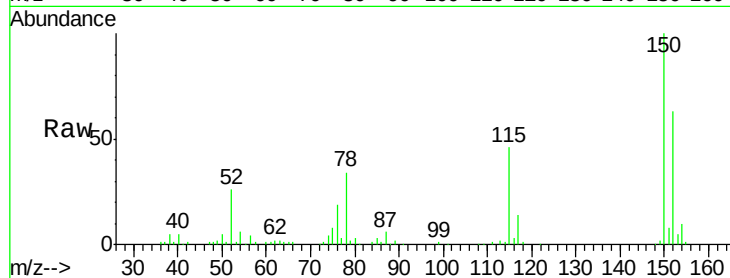
Tot Ion:152 Resp: 94299

Ion Ratio Lower Upper

152 100

150 159.5 123.8 185.6

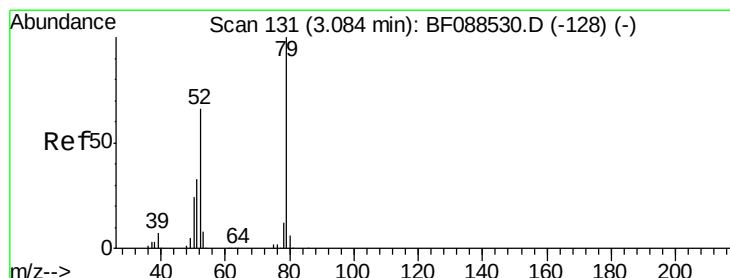
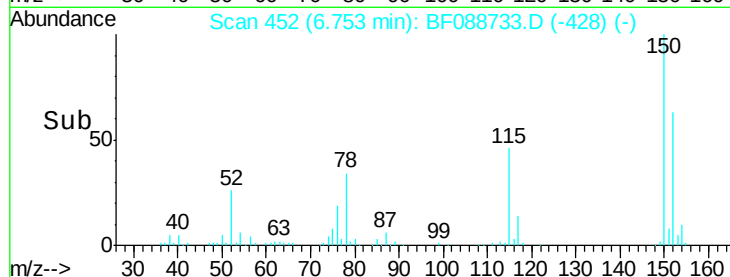
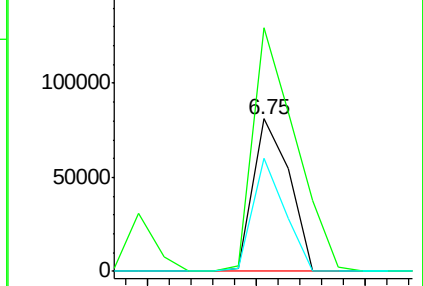
115 73.9 39.6 59.4#



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



#3

Pyridine

Concen: 29.58 ng

RT: 3.04 min Scan# 127

Delta R.T. 0.03 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

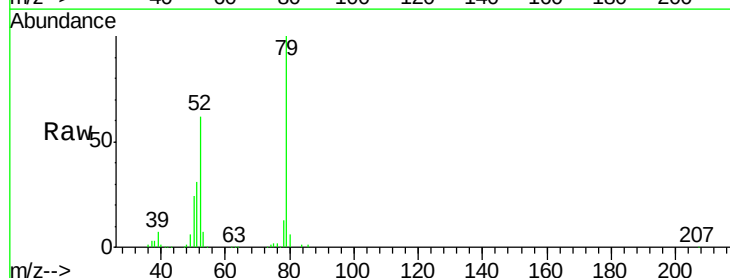
Tgt Ion: 79 Resp: 267799

Ion Ratio Lower Upper

79 100

52 62.4 56.3 84.5

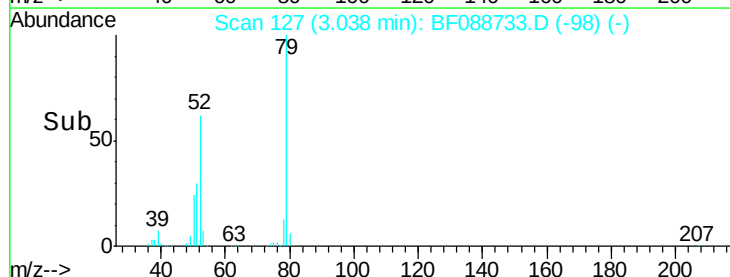
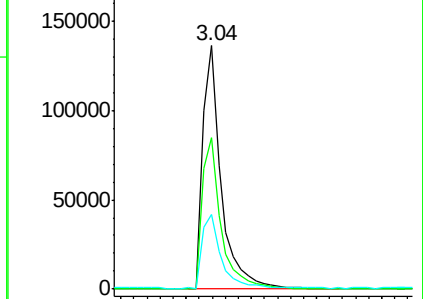
51 30.8 27.4 41.2

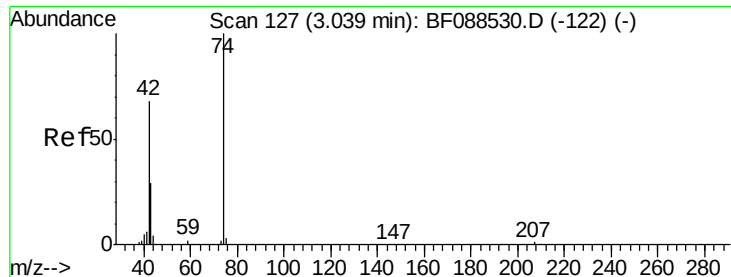


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



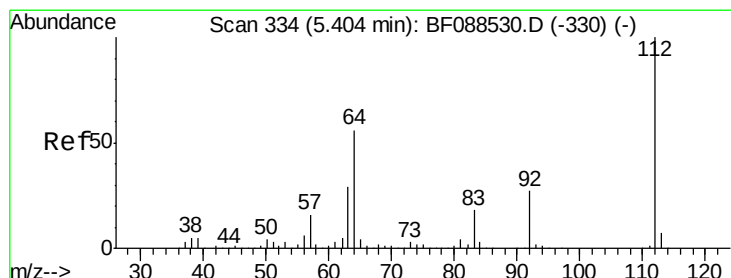
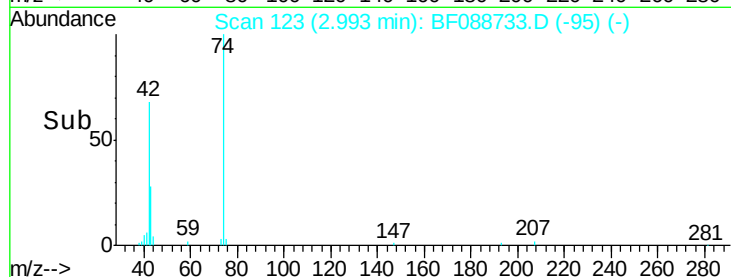
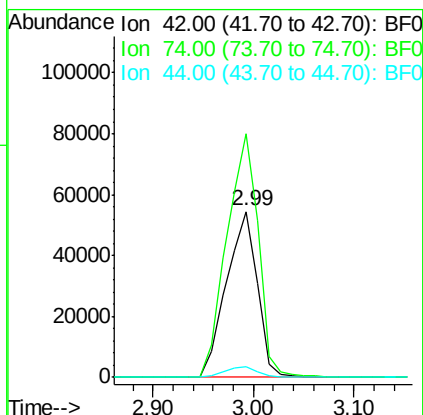
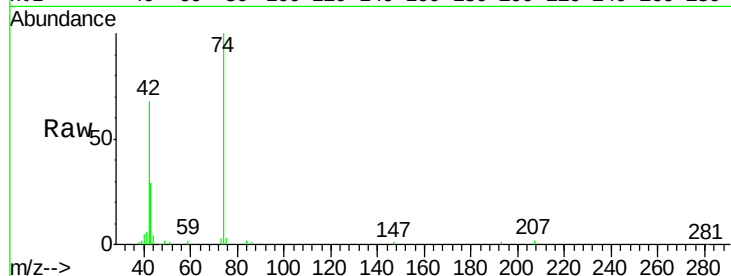


#4

n-Nitrosodimethylamine
 Concen: 33.42 ng
 RT: 2.99 min Scan# 123
 Delta R.T. 0.02 min
 Lab File: BF088733.D
 Acq: 6 Jul 2016 12:27

Instrument :
 BNA_F
 ClientSampleId :
 PB91761BS

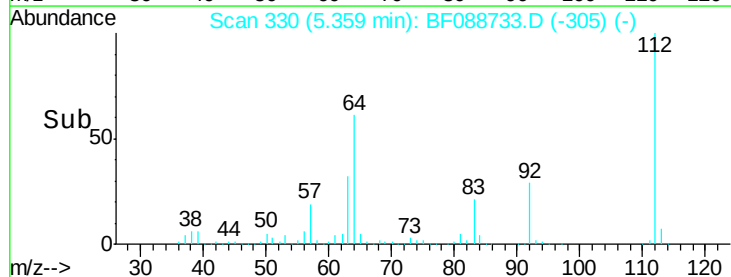
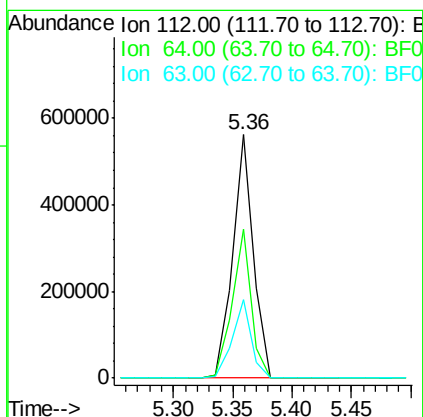
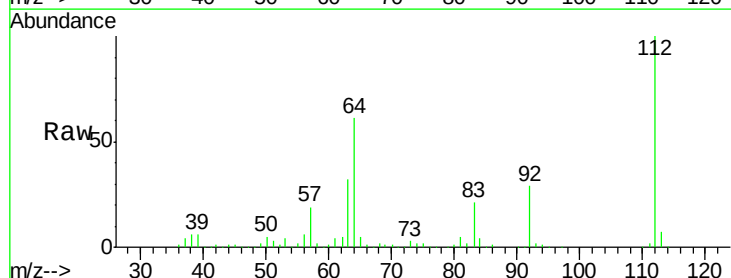
Tot Ion: 42 Resp: 115566
 Ion Ratio Lower Upper
 42 100
 74 146.8 108.6 163.0
 44 6.4 5.5 8.3

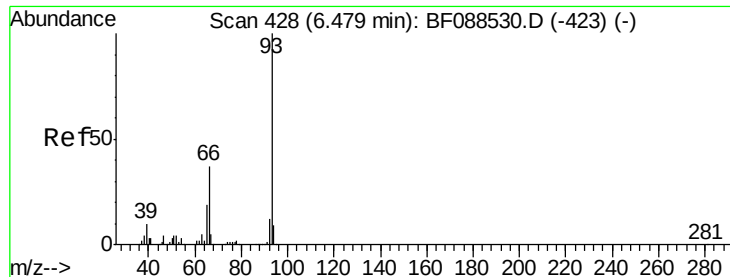


#5

2-Fluorophenol
 Concen: 107.05 ng
 RT: 5.36 min Scan# 330
 Delta R.T. -0.01 min
 Lab File: BF088733.D
 Acq: 6 Jul 2016 12:27

Tgt Ion: 112 Resp: 673586
 Ion Ratio Lower Upper
 112 100
 64 61.2 42.2 63.2
 63 32.4 21.8 32.8





#6

Aniline

Concen: 26.60 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.01 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

Instrument :

BNA_F

ClientSampleId :

PB91761BS

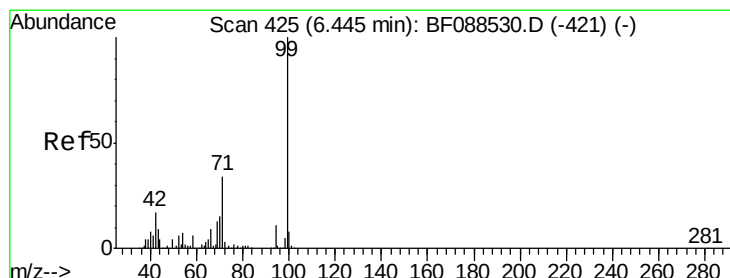
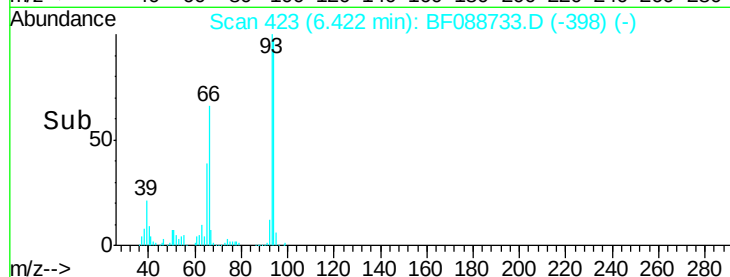
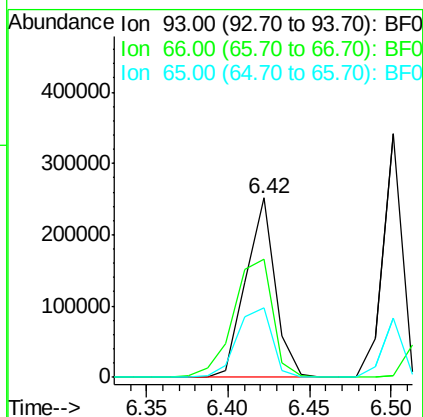
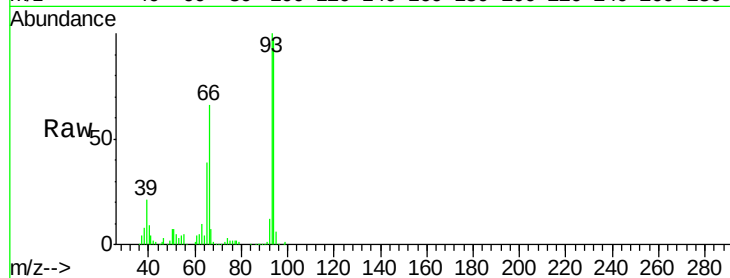
Tot Ion: 93 Resp: 315126

Ion Ratio Lower Upper

93 100

66 65.7 29.8 44.8#

65 38.9 14.9 22.3#



#7

Phenol-d6

Concen: 120.21 ng

RT: 6.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

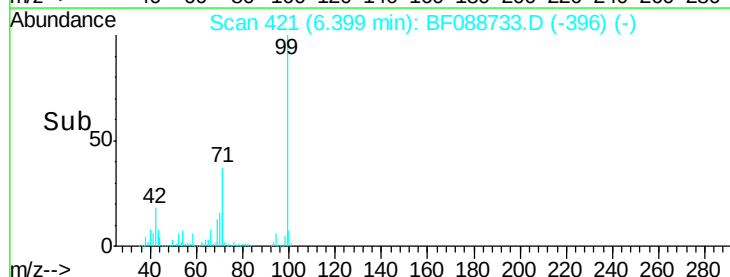
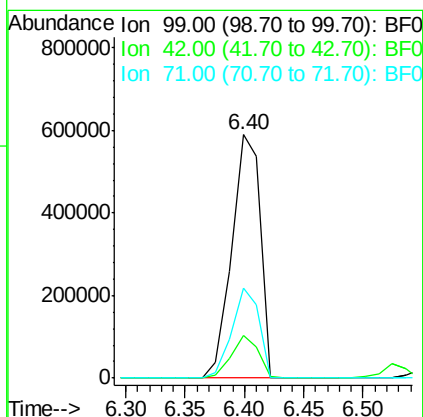
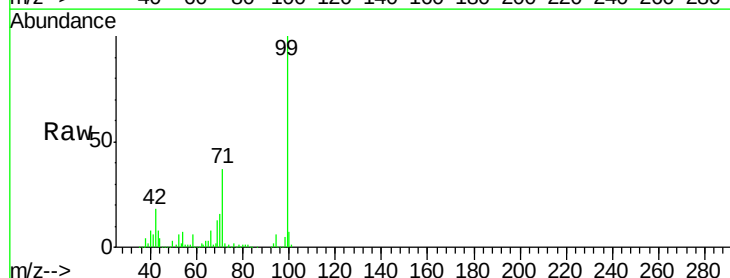
Tgt Ion: 99 Resp: 977289

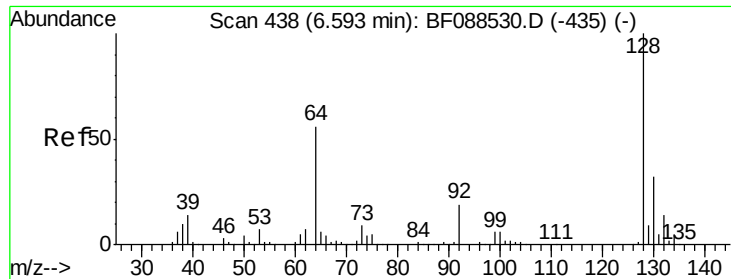
Ion Ratio Lower Upper

99 100

42 17.8 12.2 18.2

71 36.9 23.4 35.0#





#8

2-Chlorophenol

Concen: 44.08 ng

RT: 6.55 min Scan# 434

Delta R.T. -0.01 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

Instrument :

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ClientSampleId :

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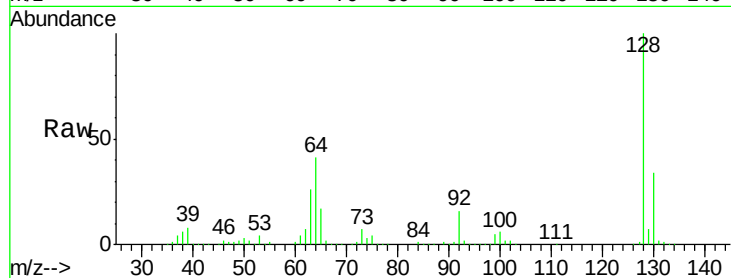
Tot Ion:128 Resp: 298122

Ion Ratio Lower Upper

128 100

130 33.5 12.0 52.0

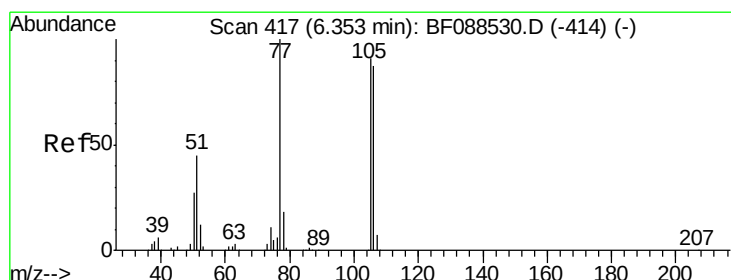
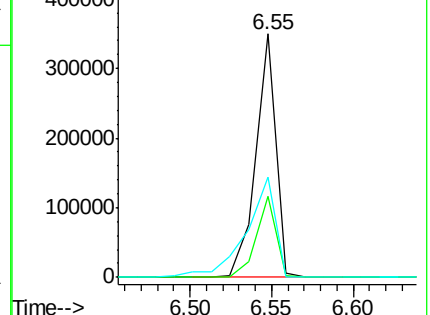
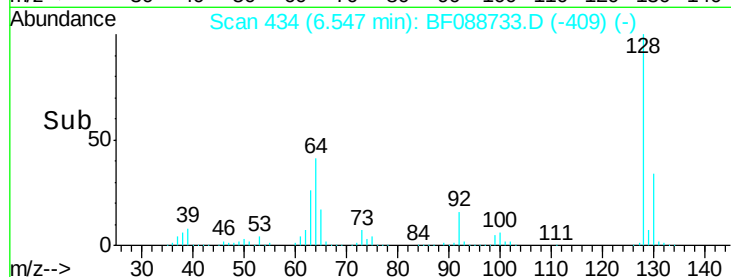
64 41.0 30.8 70.8



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: 35.62 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.02 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

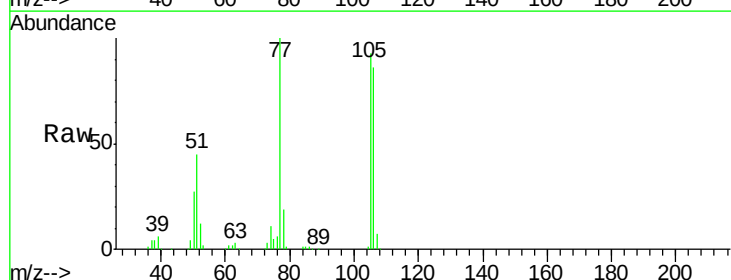
Tgt Ion: 77 Resp: 196159

Ion Ratio Lower Upper

77 100

105 93.2 90.6 130.6

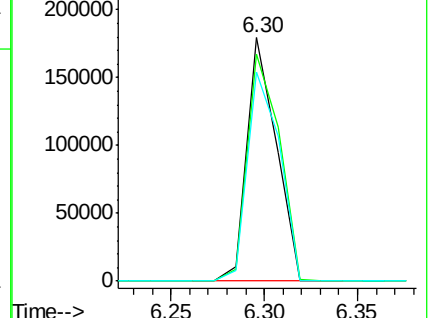
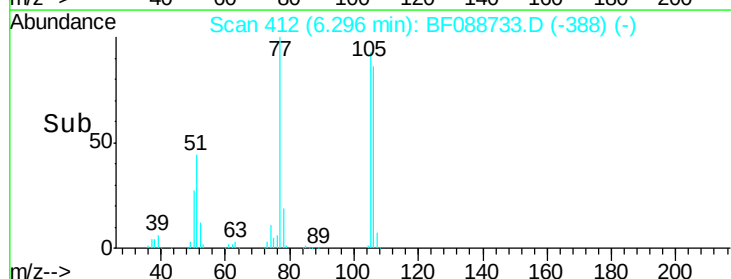
106 86.1 85.3 125.3

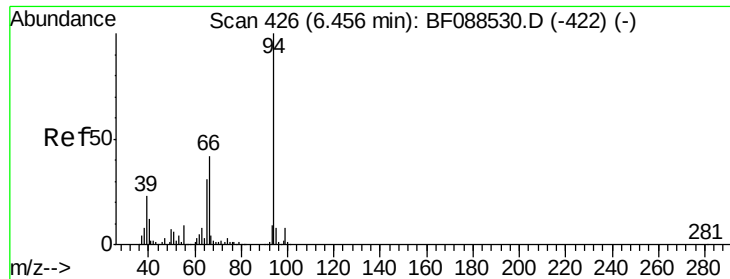


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 33.99 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.01 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

Instrument :

BNA_F

ClientSampleId :

PB91761BS

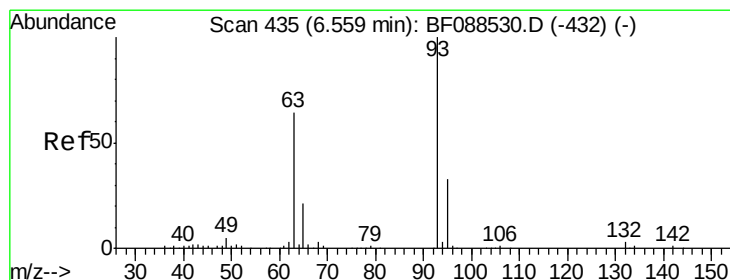
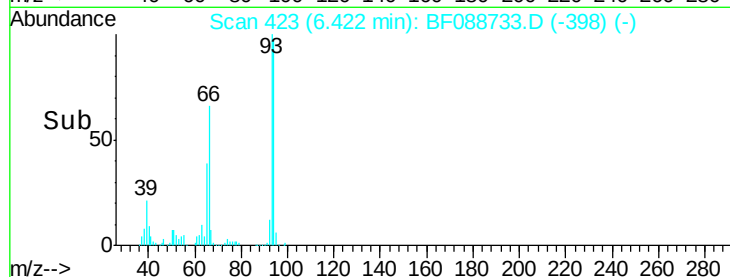
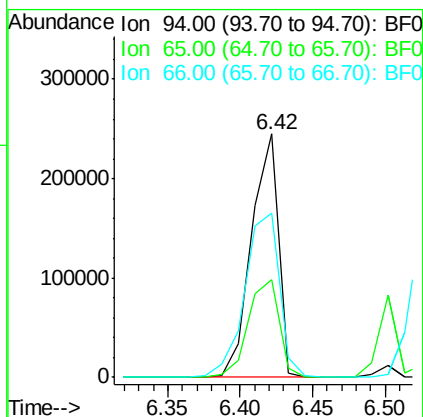
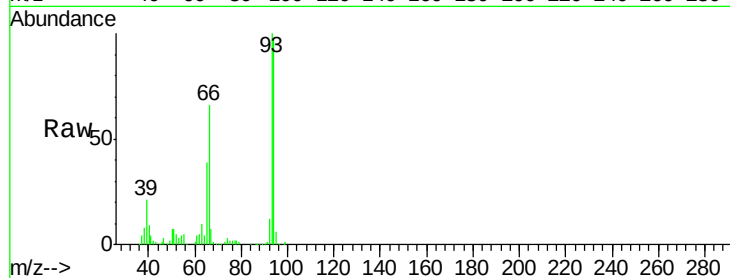
Tot Ion: 94 Resp: 315355

Ion Ratio Lower Upper

94 100

65 39.9 5.9 45.9

66 67.4 14.0 54.0#



#11

bis(2-Chloroethyl)ether

Concen: 39.84 ng

RT: 6.50 min Scan# 430

Delta R.T. -0.01 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

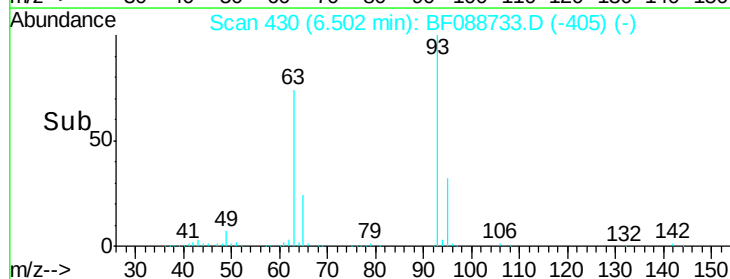
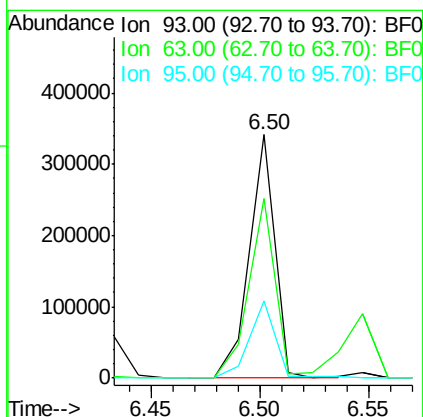
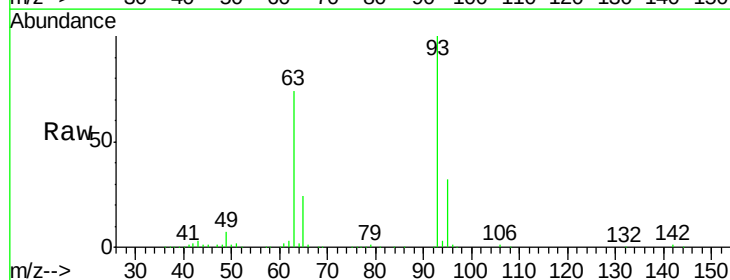
Tgt Ion: 93 Resp: 275661

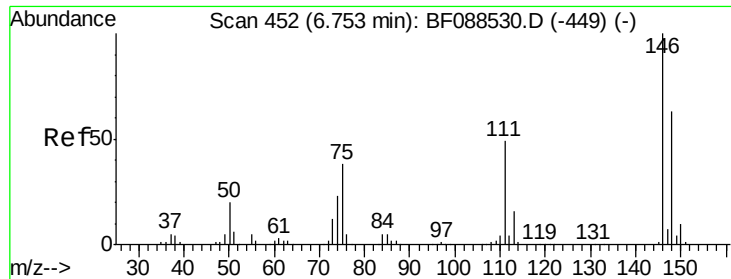
Ion Ratio Lower Upper

93 100

63 73.8 67.6 107.6

95 31.9 12.5 52.5

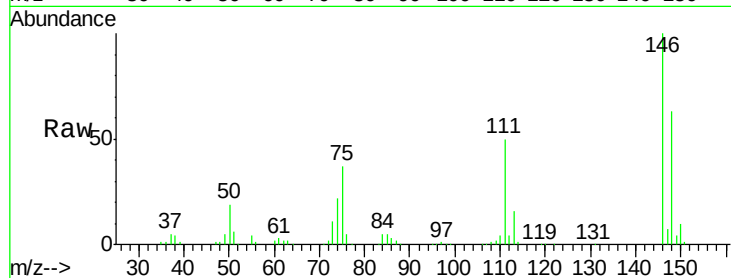




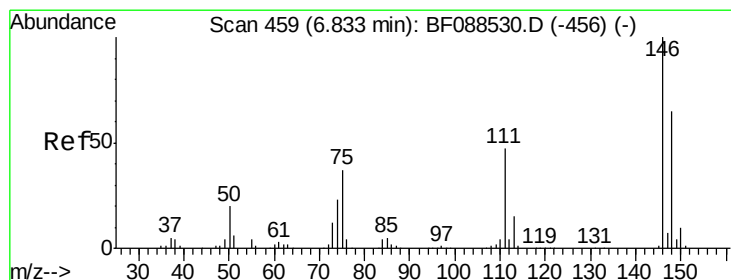
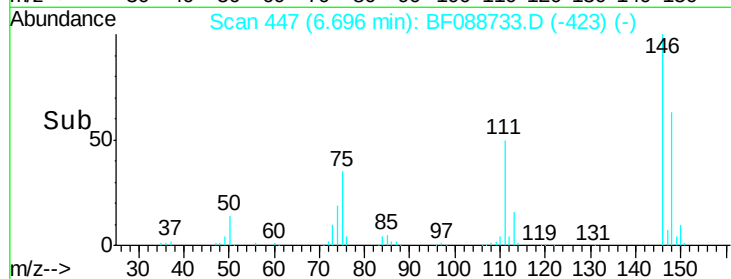
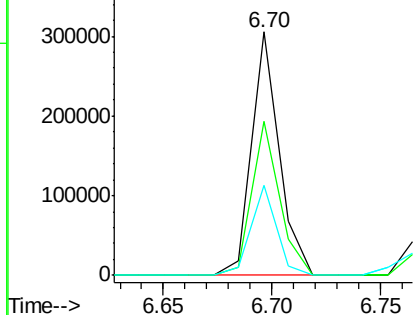
#12
 1,3-Dichlorobenzene
 Concen: 36.01 ng
 RT: 6.70 min Scan# 447
 Delta R.T. -0.02 min
 Lab File: BF088733.D
 Acq: 6 Jul 2016 12:27

Instrument :
 BNA_F
 ClientSampleId :
 PB91761BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.9	76.3
75	36.8	25.6	38.4

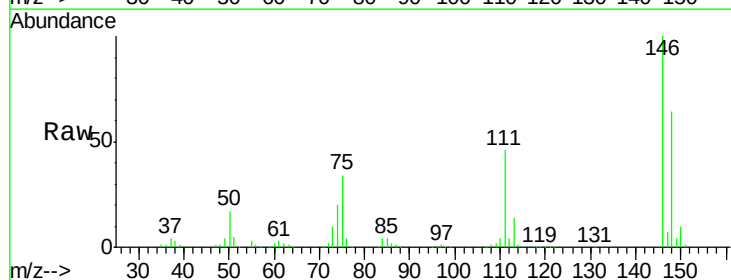


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF0

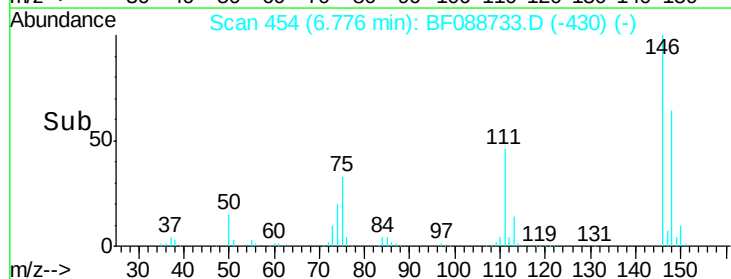
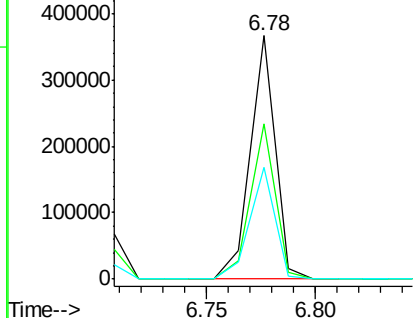


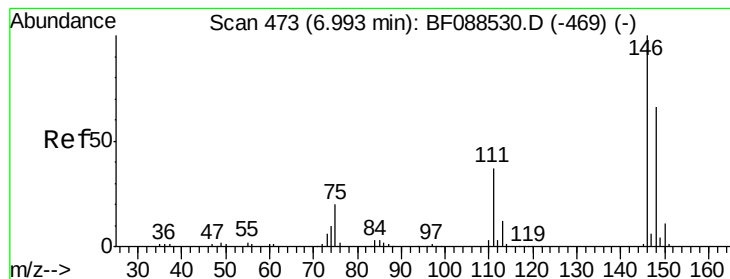
#13
 1,4-Dichlorobenzene
 Concen: 39.53 ng
 RT: 6.78 min Scan# 454
 Delta R.T. -0.02 min
 Lab File: BF088733.D
 Acq: 6 Jul 2016 12:27

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.7	52.0	78.0
111	45.7	33.8	50.8



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 36.94 ng

RT: 6.92 min Scan# 467

Delta R.T. -0.02 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

Instrument :

BNA_F

ClientSampleId :

PB91761BS

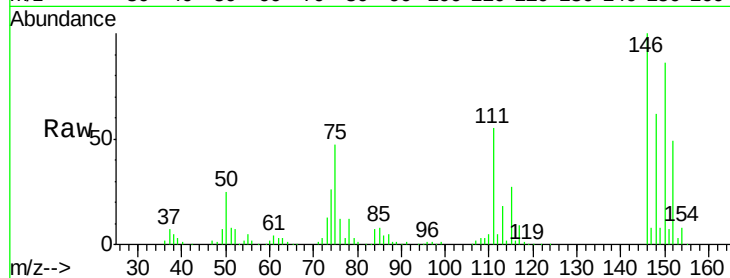
Tot Ion:146 Resp: 255418

Ion Ratio Lower Upper

146 100

148 61.8 52.3 78.5

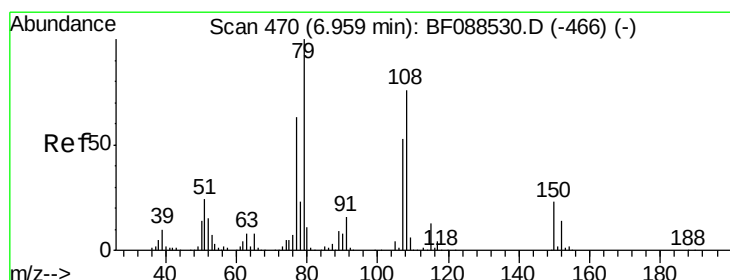
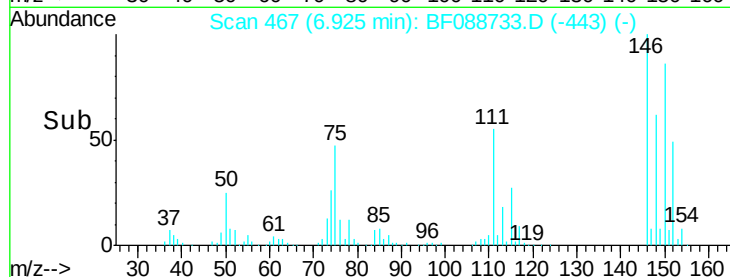
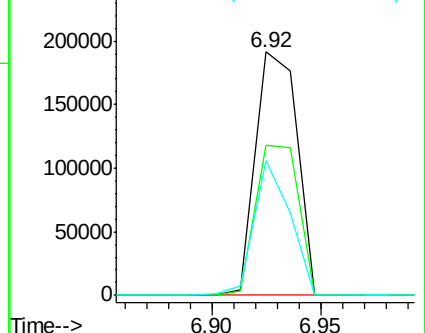
111 55.3 28.7 43.1#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 41.70 ng

RT: 6.90 min Scan# 465

Delta R.T. -0.02 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

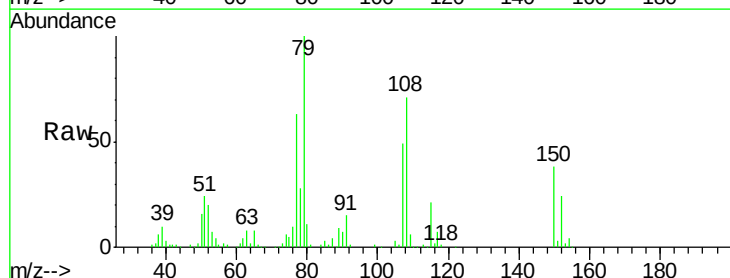
Tgt Ion: 79 Resp: 249514

Ion Ratio Lower Upper

79 100

108 70.7 65.0 97.6

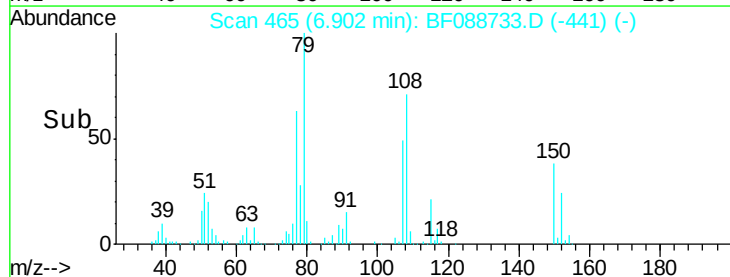
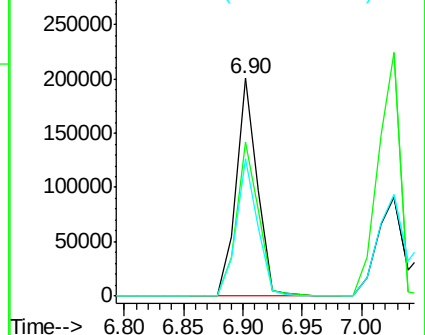
77 63.0 50.3 75.5

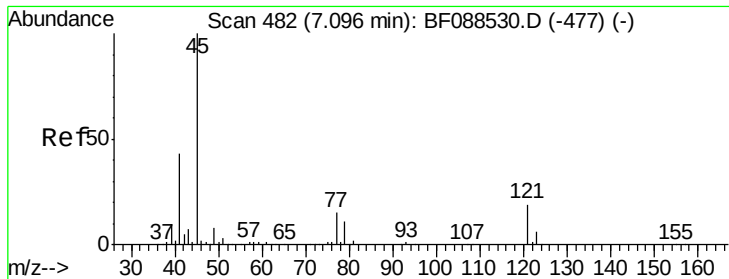


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

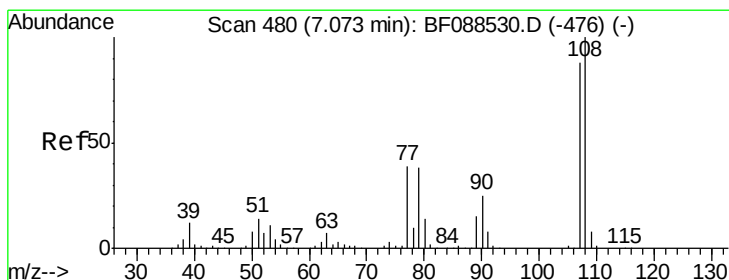
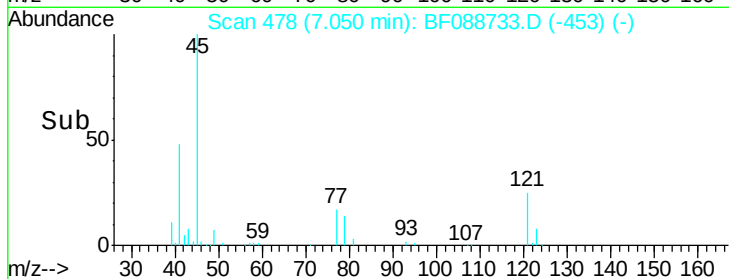
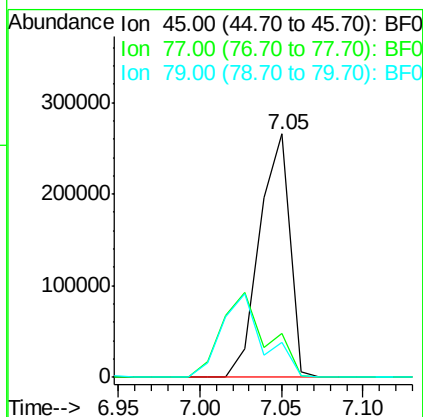
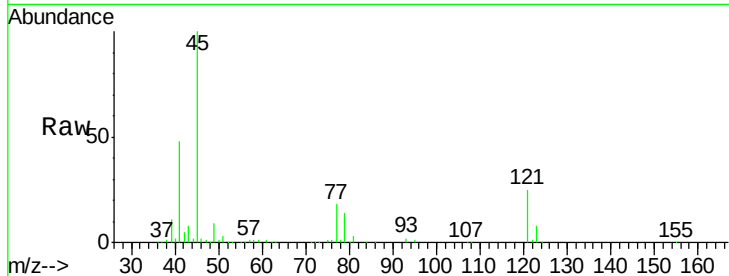




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 34.24 ng
RT: 7.05 min Scan# 478
Delta R.T. -0.01 min
Lab File: BF088733.D
Acq: 6 Jul 2016 12:27

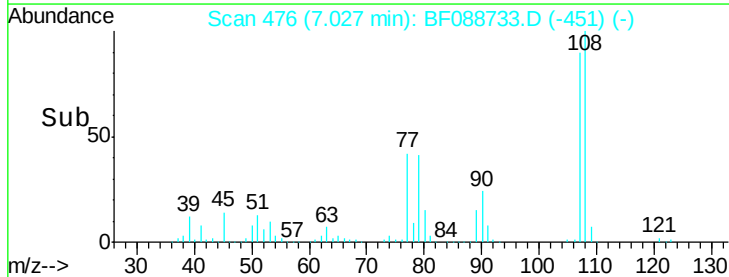
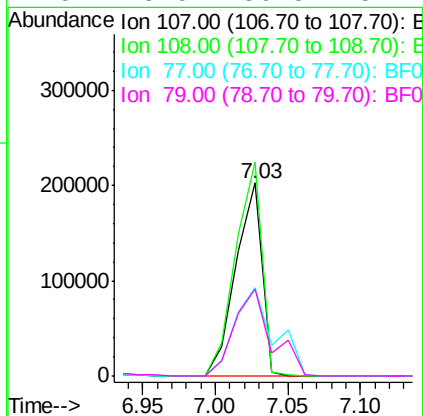
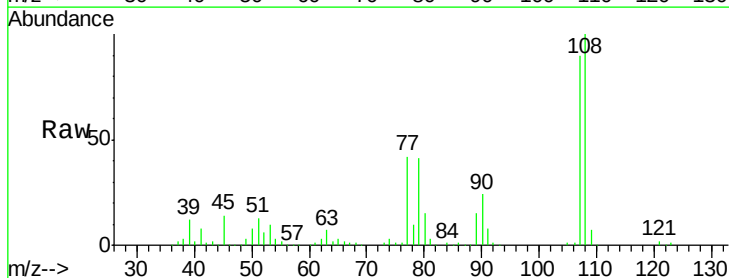
Instrument :
BNA_F
ClientSampleId :
PB91761BS

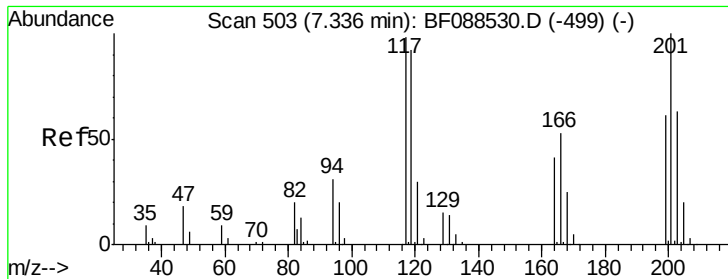
Tot Ion: 45 Resp: 343075
Ion Ratio Lower Upper
45 100
77 18.0 0.0 32.5
79 14.3 0.0 29.5



#17
2-Methylphenol
Concen: 46.08 ng
RT: 7.03 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF088733.D
Acq: 6 Jul 2016 12:27

Tgt Ion: 107 Resp: 254199
Ion Ratio Lower Upper
107 100
108 110.6 90.9 136.3
77 46.0 36.6 55.0
79 45.0 36.5 54.7

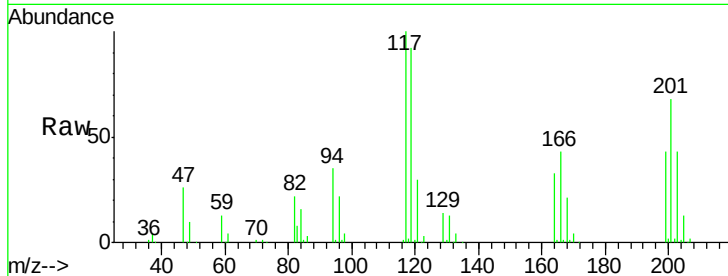




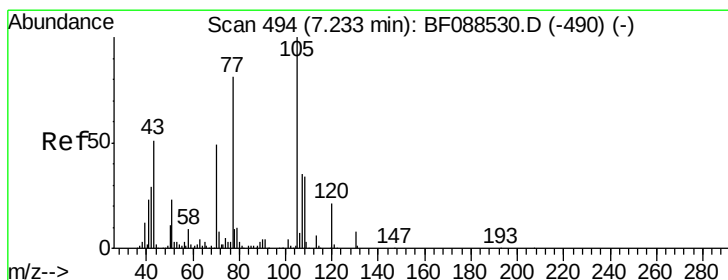
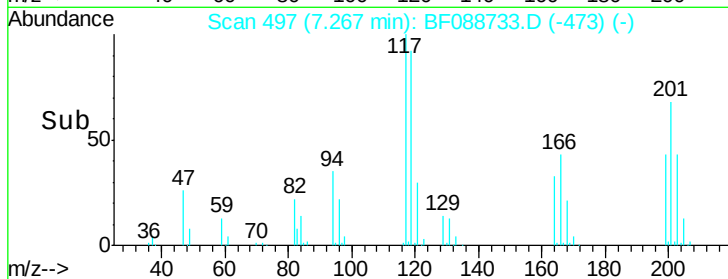
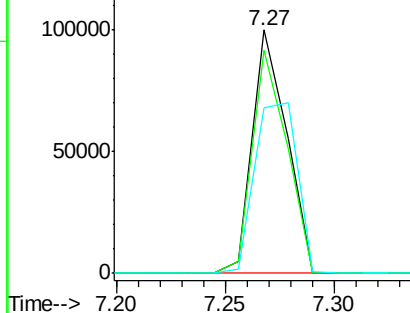
#18
Hexachloroethane
Concen: 38.49 ng
RT: 7.27 min Scan# 497
Delta R.T. -0.02 min
Lab File: BF088733.D
Acq: 6 Jul 2016 12:27

Instrument :
BNA_F
ClientSampled :
PB91761BS

Tot Ion:117 Resp: 109971
Ion Ratio Lower Upper
117 100
119 91.7 77.4 116.2
201 67.9 80.4 120.6#



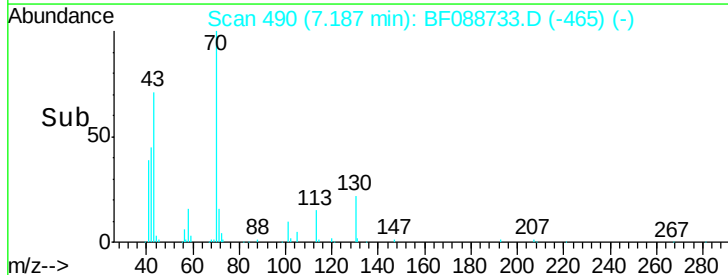
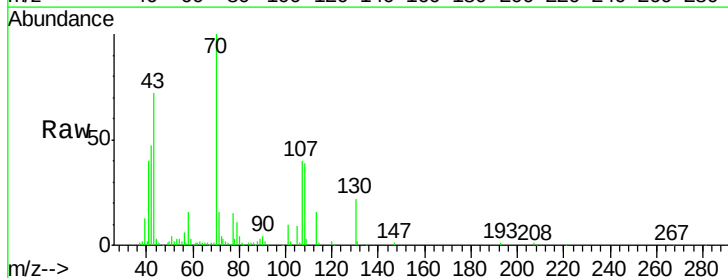
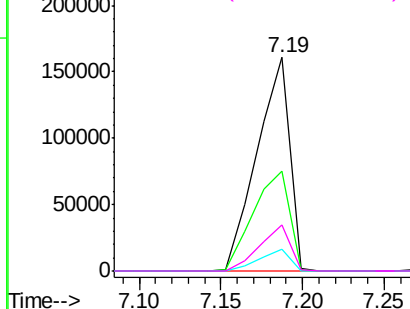
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

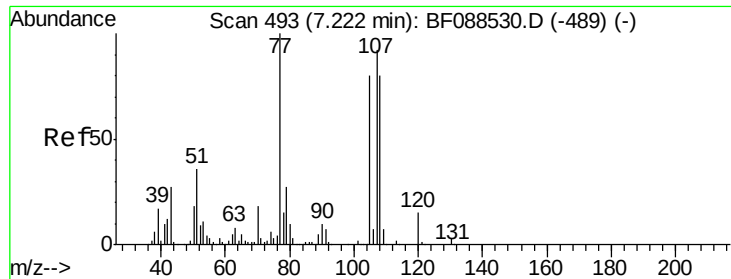


#19
n-Nitroso-di-n-propylamine
Concen: 40.98 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.01 min
Lab File: BF088733.D
Acq: 6 Jul 2016 12:27

Tgt Ion: 70 Resp: 223785
Ion Ratio Lower Upper
70 100
42 46.6 49.6 74.4#
101 10.0 7.1 10.7
130 21.9 15.4 23.2

Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 40.54 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.02 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

Instrument :

BNA_F

ClientSampleId :

PB91761BS

Tot Ion:107 Resp: 268415

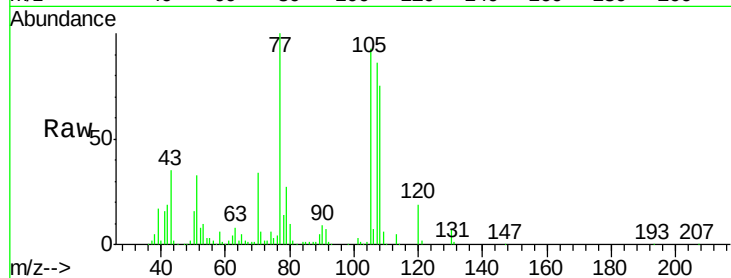
Ion Ratio Lower Upper

107 100

108 87.5 67.8 107.8

77 116.2 59.3 99.3#

79 31.3 7.0 47.0

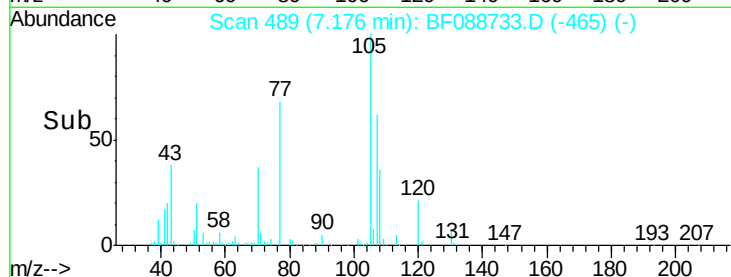


Abundance Ion 107.00 (106.70 to 107.70): E

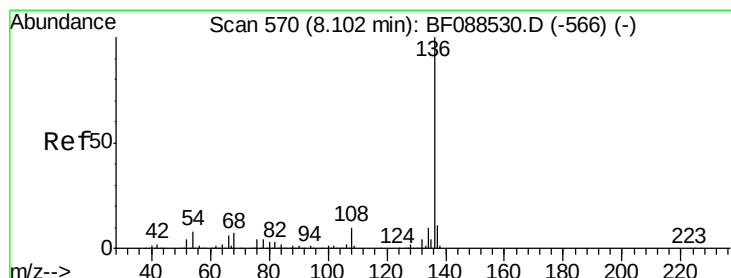
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 565

Delta R.T. -0.02 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

Tgt Ion:136 Resp: 405814

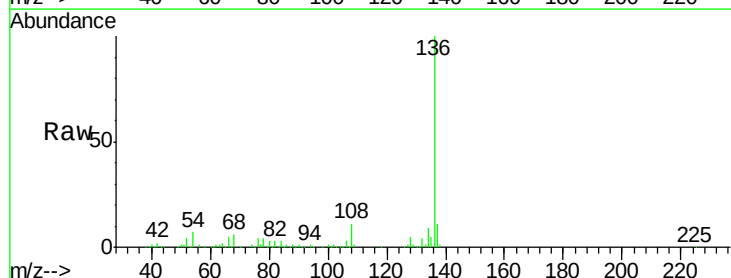
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.9 6.6 10.0

68 5.8 5.1 7.7

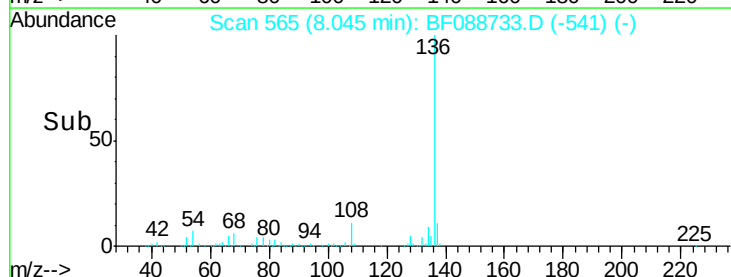


Abundance Ion 136.00 (135.70 to 136.70): E

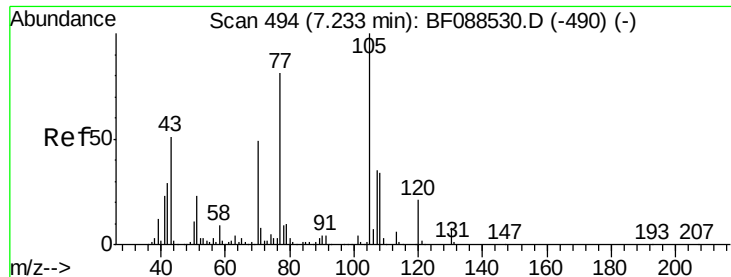
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 40.53 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.02 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

Instrument :

BNA_F

ClientSampleId :

PB91761BS

Tot Ion:105 Resp: 399202

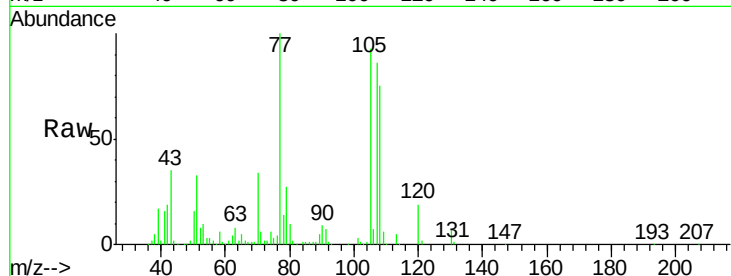
Ion Ratio Lower Upper

105 100

71 6.2 5.3 7.9

51 35.1 18.2 27.4#

120 20.3 18.0 27.0

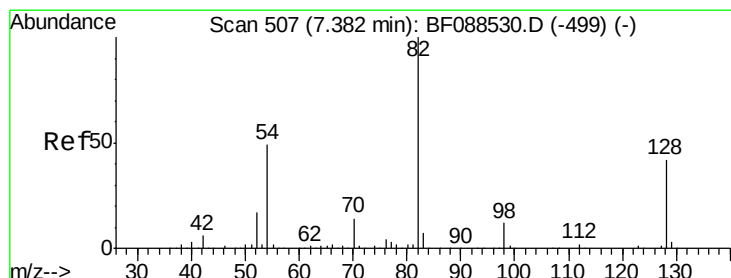
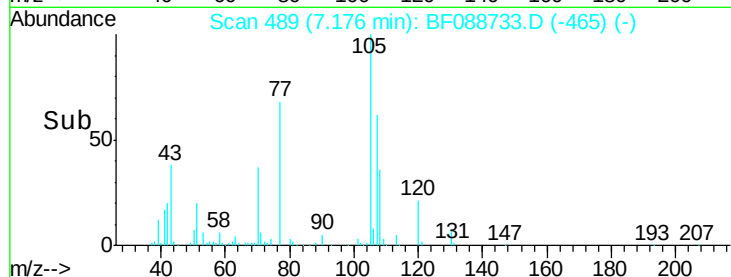
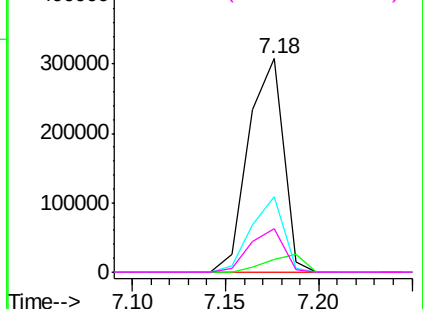


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 74.04 ng

RT: 7.32 min Scan# 502

Delta R.T. -0.02 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

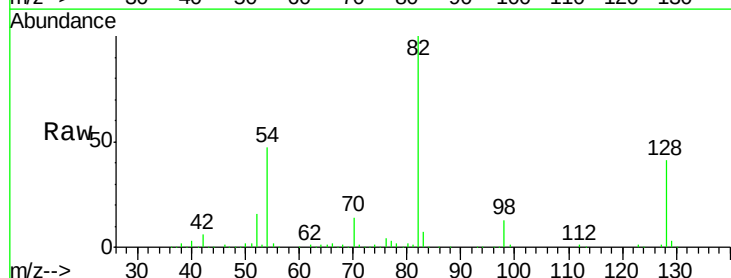
Tgt Ion: 82 Resp: 573327

Ion Ratio Lower Upper

82 100

128 41.3 35.9 53.9

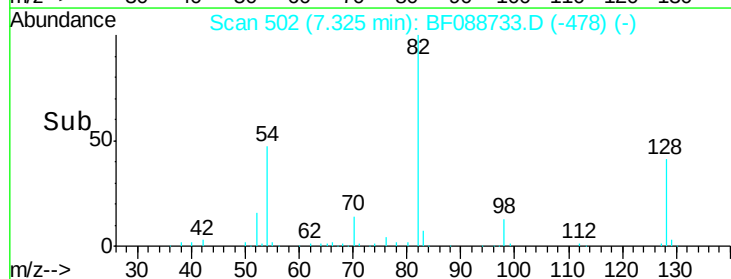
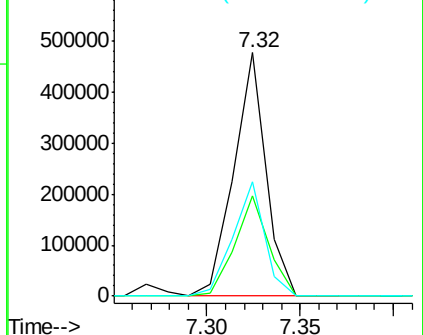
54 47.2 40.9 61.3

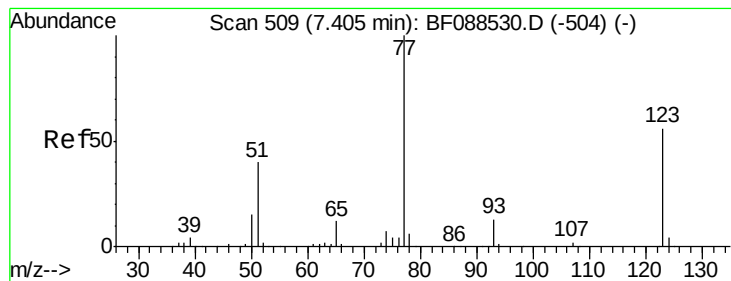


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 44.42 ng

RT: 7.35 min Scan# 504

Delta R.T. -0.01 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

Instrument :

BNA_F

ClientSampleId :

PB91761BS

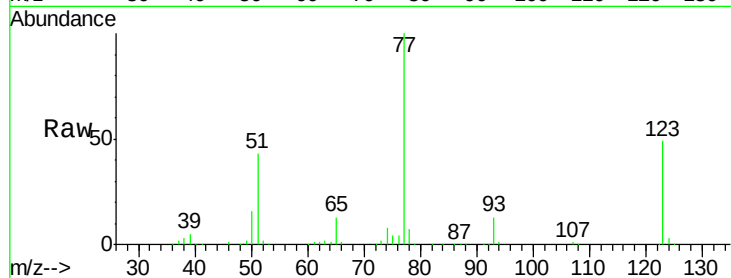
Tot Ion: 77 Resp: 346856

Ion	Ratio	Lower	Upper
77	100		
123	49.0	45.0	67.4
65	13.2	10.2	15.2

77 100

123 49.0 45.0 67.4

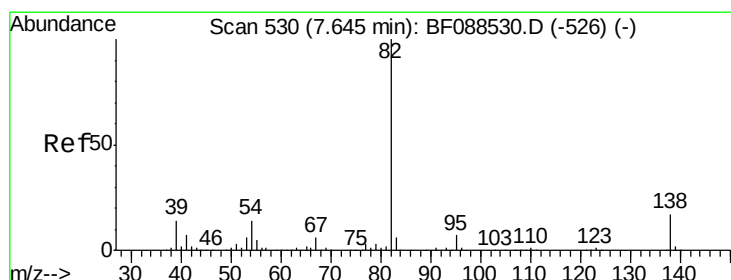
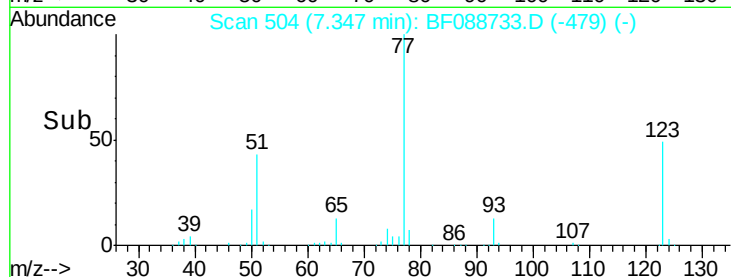
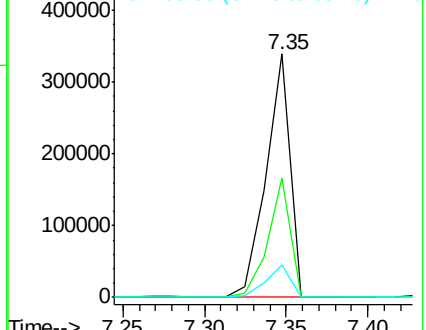
65 13.2 10.2 15.2



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#25

Isophorone

Concen: 39.95 ng

RT: 7.59 min Scan# 525

Delta R.T. -0.02 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

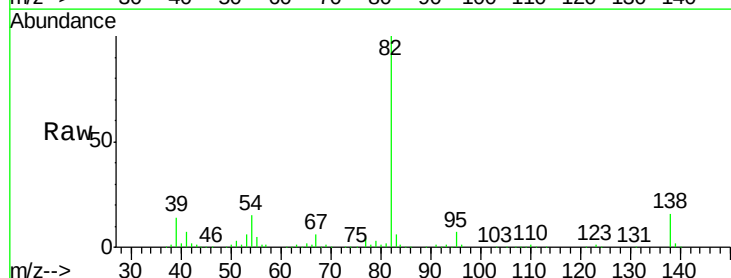
Tgt Ion: 82 Resp: 572992

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.4	8.2
138	16.4	14.6	21.8

82 100

95 7.3 5.4 8.2

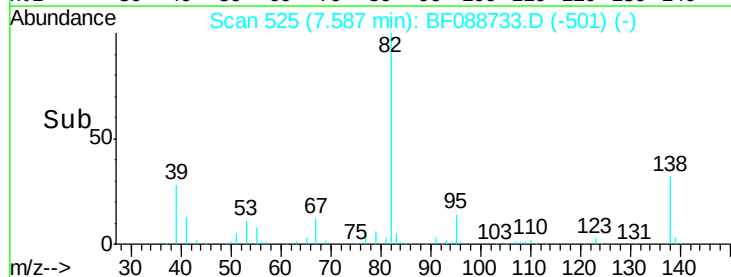
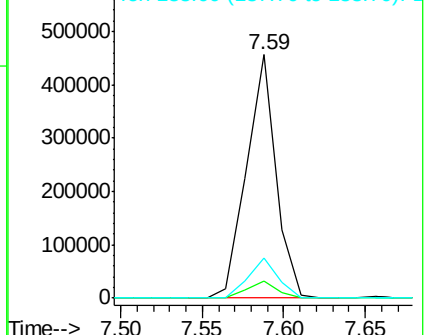
138 16.4 14.6 21.8

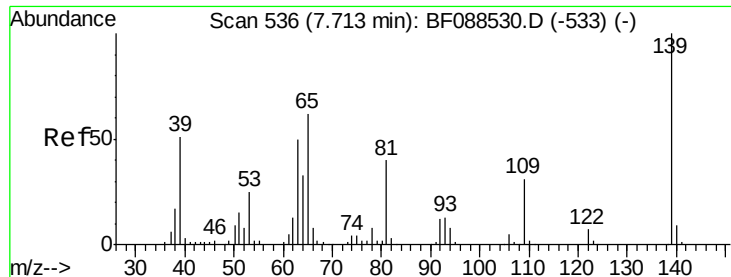


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

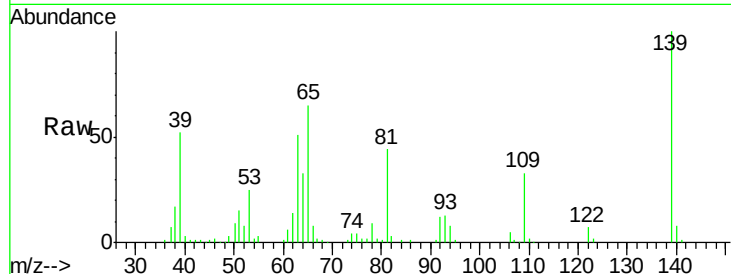




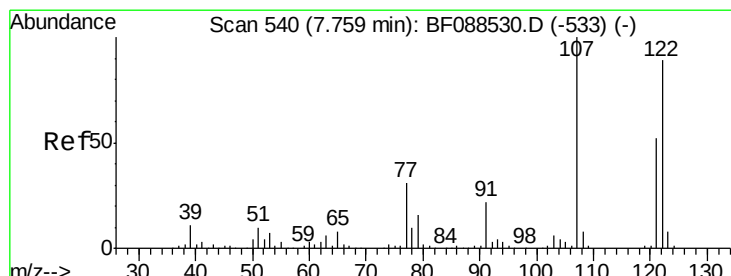
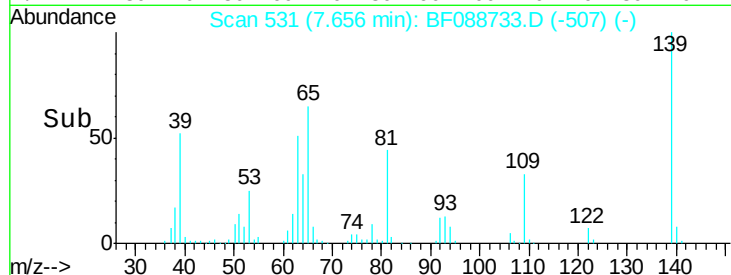
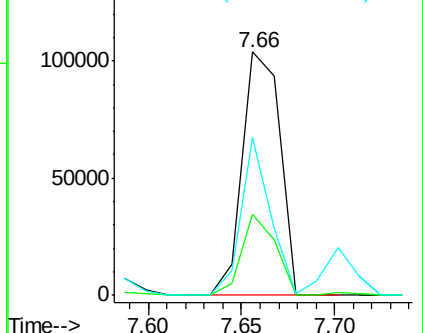
#26
2-Nitrophenol
Concen: 45.27 ng
RT: 7.66 min Scan# 531
Delta R.T. -0.02 min
Lab File: BF088733.D
Acq: 6 Jul 2016 12:27

Instrument :
BNA_F
ClientSampleId :
PB91761BS

Tot Ion:139 Resp: 144939
Ion Ratio Lower Upper
139 100
109 33.5 23.0 34.4
65 65.0 45.8 68.8

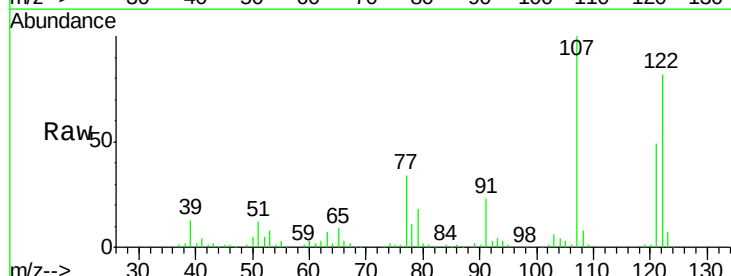


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

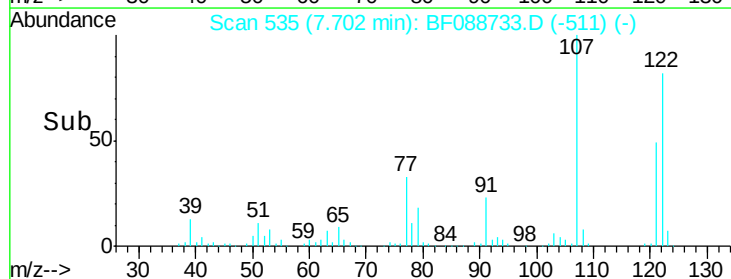
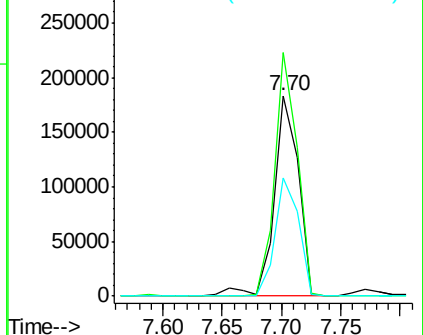


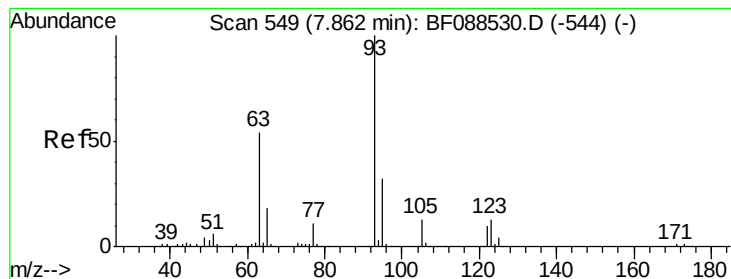
#27
2,4-Dimethylphenol
Concen: 38.84 ng
RT: 7.70 min Scan# 535
Delta R.T. -0.02 min
Lab File: BF088733.D
Acq: 6 Jul 2016 12:27

Tgt Ion:122 Resp: 259005
Ion Ratio Lower Upper
122 100
107 121.4 82.4 123.6
121 59.0 46.3 69.5



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: 42.15 ng

RT: 7.80 min Scan# 544

Delta R.T. -0.01 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

Instrument :

BNA_F

ClientSampleId :

PB91761BS

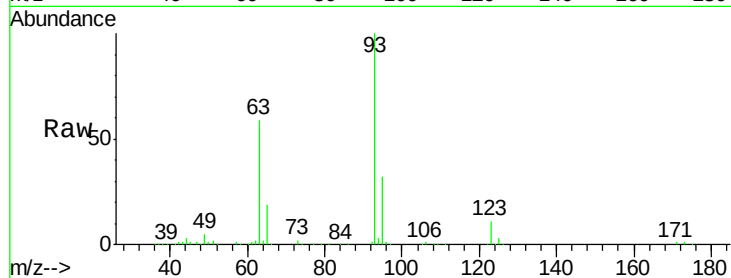
Tot Ion: 93 Resp: 393459

Ion Ratio Lower Upper

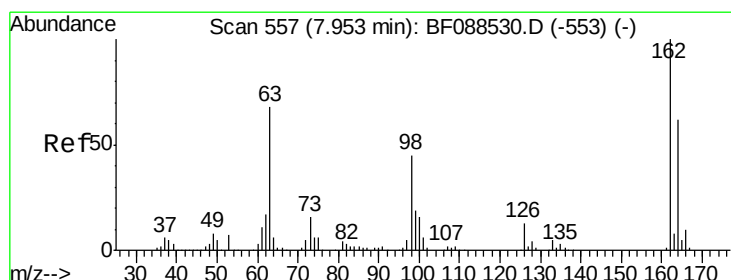
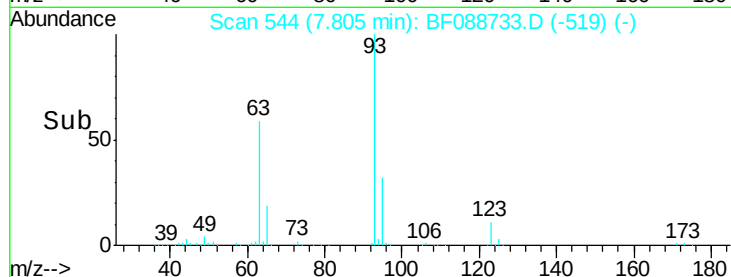
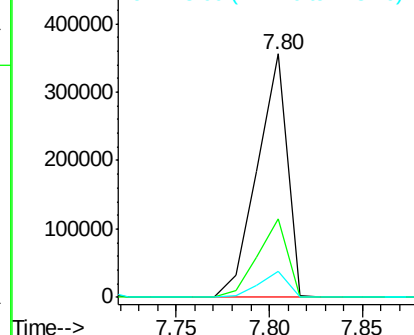
93 100

95 32.2 26.5 39.7

123 10.5 11.6 17.4#



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): BF0



#29

2,4-Dichlorophenol

Concen: 47.38 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.01 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

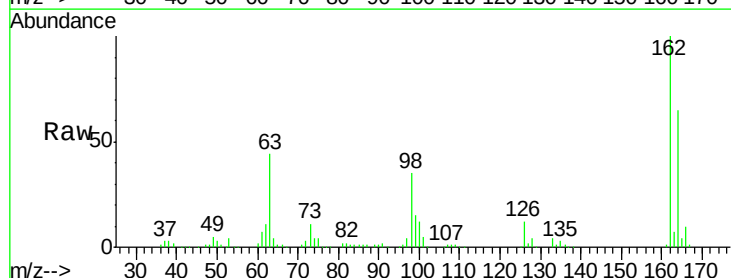
Tgt Ion:162 Resp: 255356

Ion Ratio Lower Upper

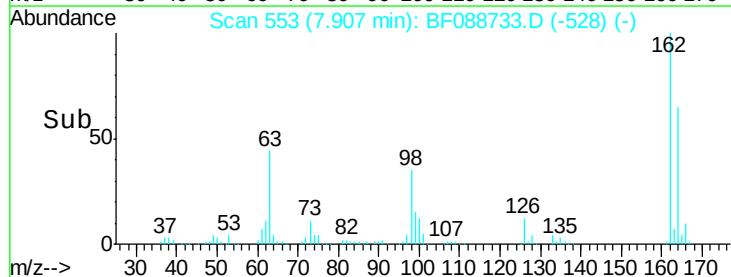
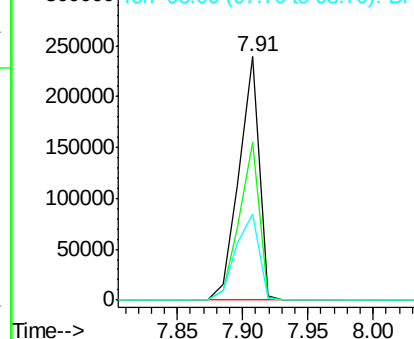
162 100

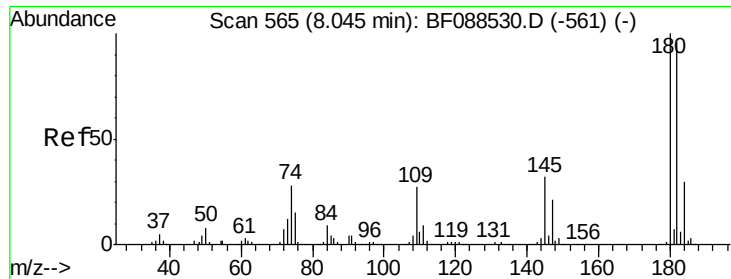
164 64.8 43.8 83.8

98 35.3 21.3 61.3



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

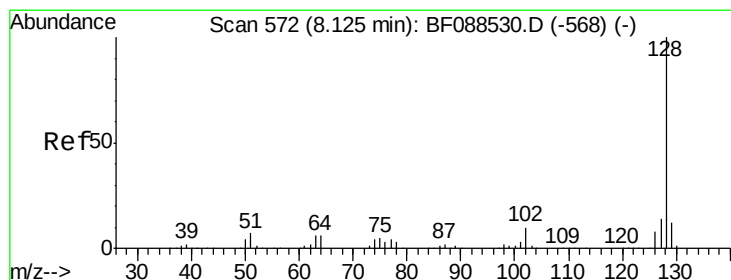
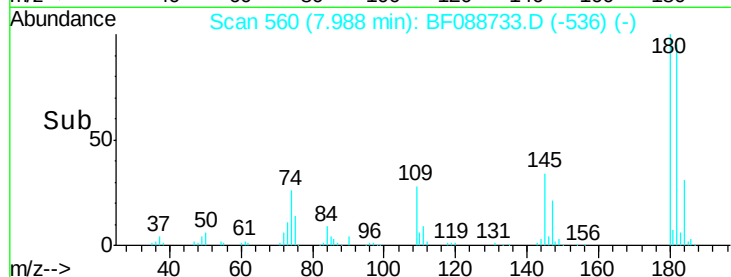
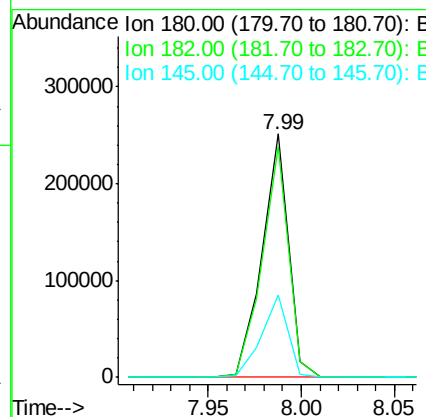
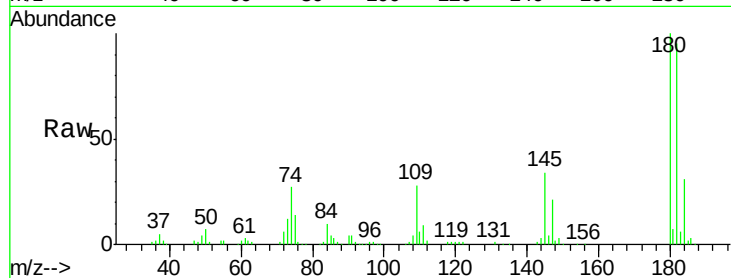




#30
 1,2,4-Trichlorobenzene
 Concen: 41.36 ng
 RT: 7.99 min Scan# 560
 Delta R.T. -0.02 min
 Lab File: BF088733.D
 Acq: 6 Jul 2016 12:27

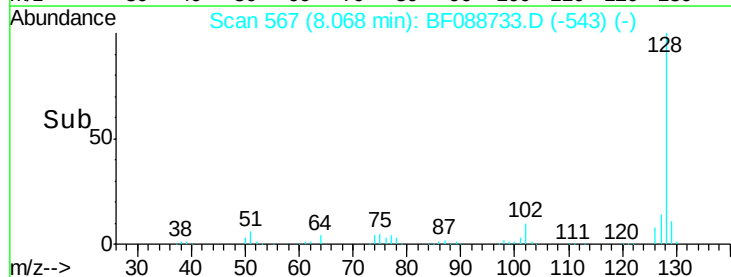
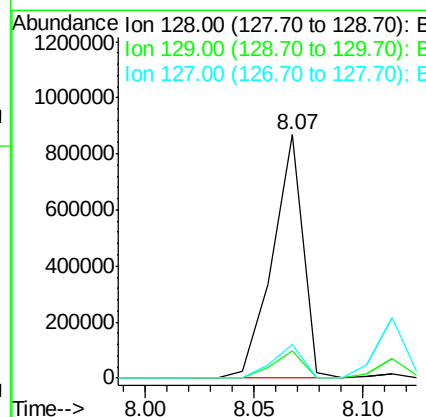
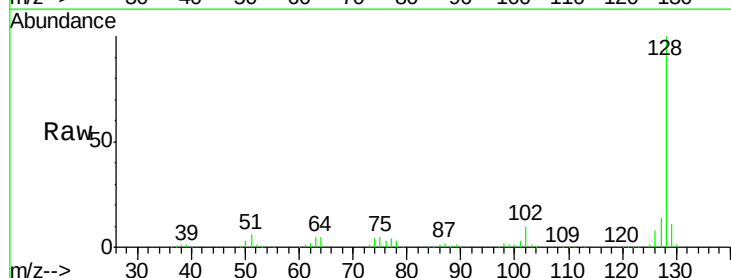
Instrument :
 BNA_F
 ClientSampleId :
 PB91761BS

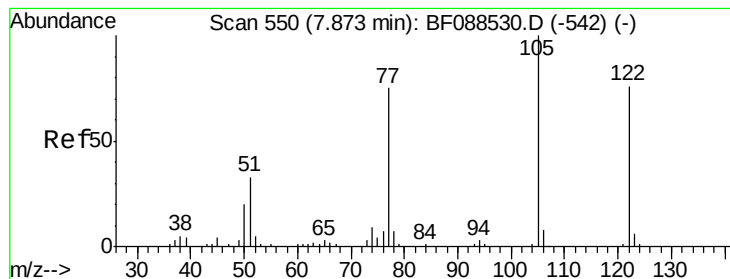
Tot Ion:180 Resp: 244627
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.0 114.0
 145 33.6 26.5 39.7



#31
 Naphthalene
 Concen: 42.69 ng
 RT: 8.07 min Scan# 567
 Delta R.T. -0.02 min
 Lab File: BF088733.D
 Acq: 6 Jul 2016 12:27

Tgt Ion:128 Resp: 854131
 Ion Ratio Lower Upper
 128 100
 129 11.2 9.4 14.2
 127 13.7 10.9 16.3





#32

Benzoic acid

Concen: 2.49 ng

RT: 7.77 min Scan# 541

Delta R.T. -0.09 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

Instrument :

BNA_F

ClientSampleId :

PB91761BS

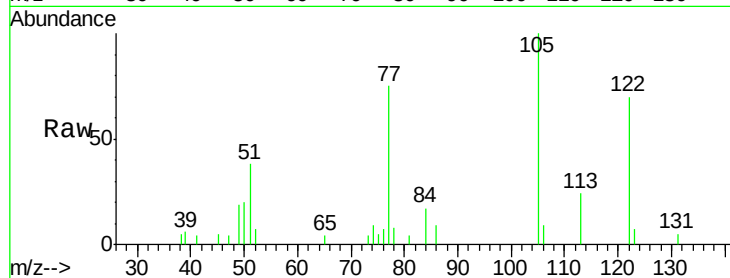
Tot Ion:122 Resp: 12062

Ion Ratio Lower Upper

122 100

105 142.1 101.6 141.6#

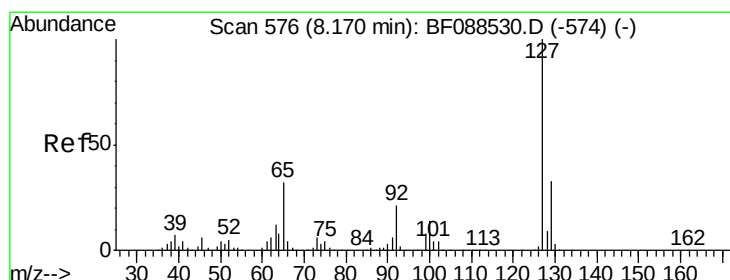
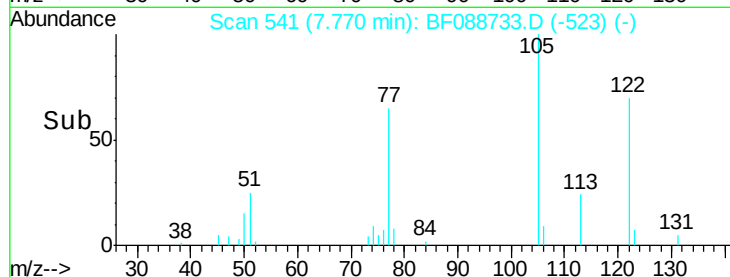
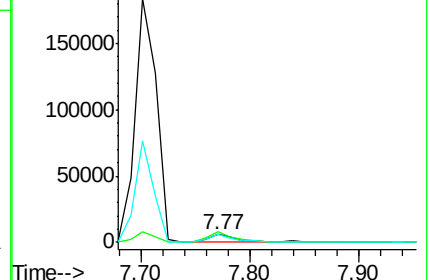
77 106.8 70.6 110.6



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: 22.62 ng

RT: 8.11 min Scan# 571

Delta R.T. -0.02 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

Tgt Ion:127 Resp: 201362

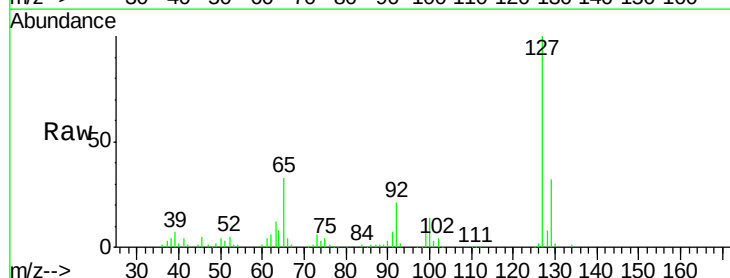
Ion Ratio Lower Upper

127 100

129 32.2 26.3 39.5

65 32.8 24.7 37.1

92 21.4 15.4 23.0

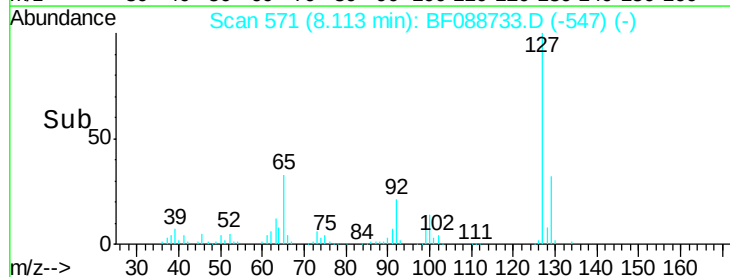
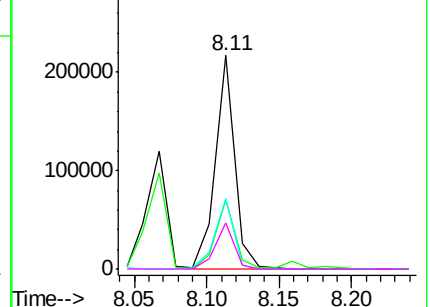


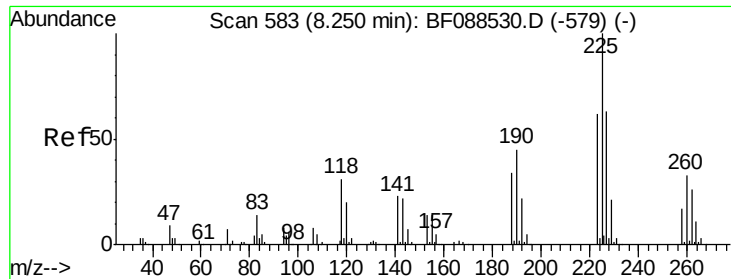
Abundance Ion 127.00 (126.70 to 127.70): E

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

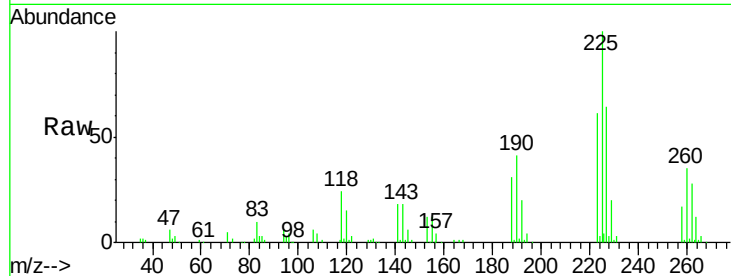




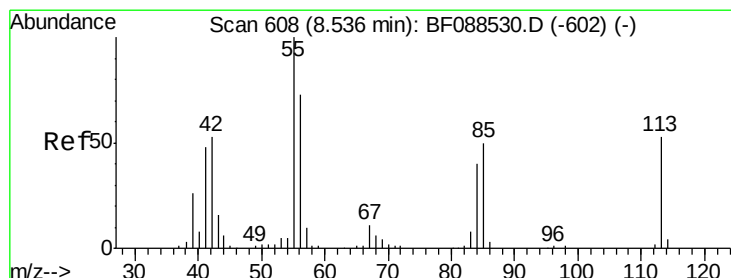
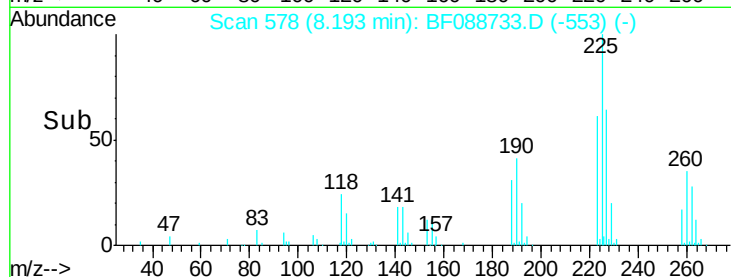
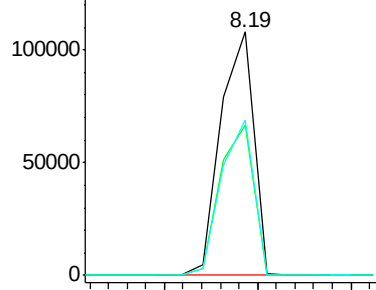
#34
Hexachlorobutadiene
Concen: 41.71 ng
RT: 8.19 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF088733.D
Acq: 6 Jul 2016 12:27

Instrument :
BNA_F
ClientSampleId :
PB91761BS

Tot Ion:225 Resp: 132103
Ion Ratio Lower Upper
225 100
223 61.5 50.9 76.3
227 63.7 51.9 77.9

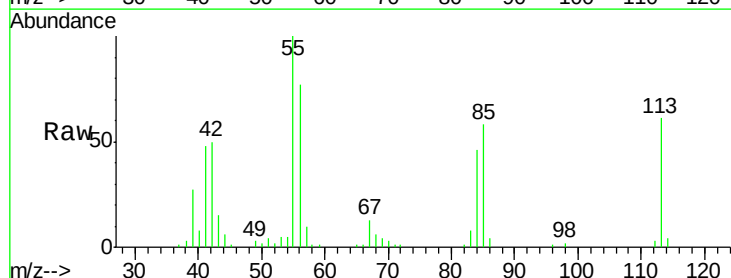


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

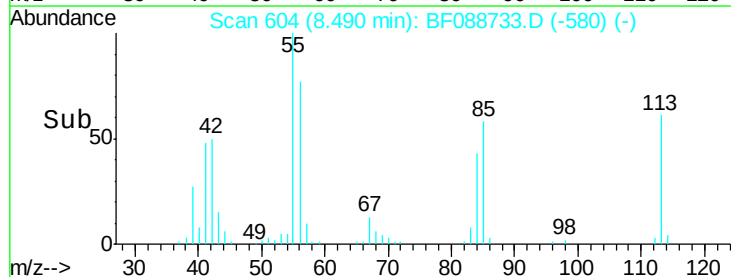
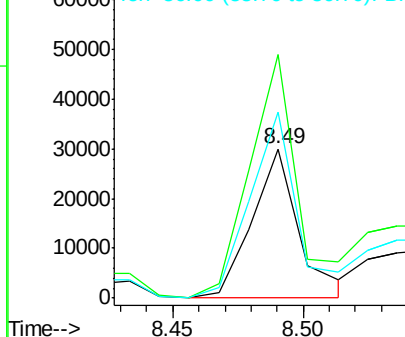


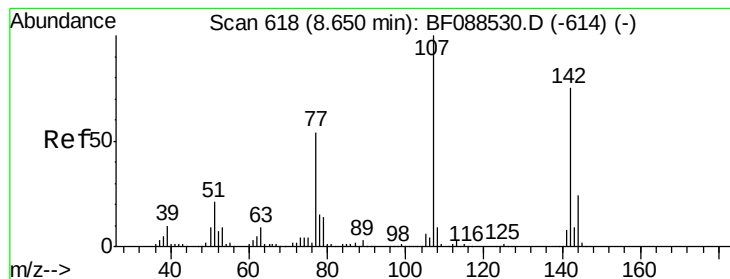
#35
Caprolactam
Concen: 20.60 ng
RT: 8.49 min Scan# 604
Delta R.T. -0.02 min
Lab File: BF088733.D
Acq: 6 Jul 2016 12:27

Tgt Ion:113 Resp: 37711
Ion Ratio Lower Upper
113 100
55 163.0 158.6 198.6
56 124.9 110.6 150.6



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: 42.83 ng

RT: 8.60 min Scan# 614

Delta R.T. -0.01 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

Instrument :

BNA_F

ClientSampleId :

PB91761BS

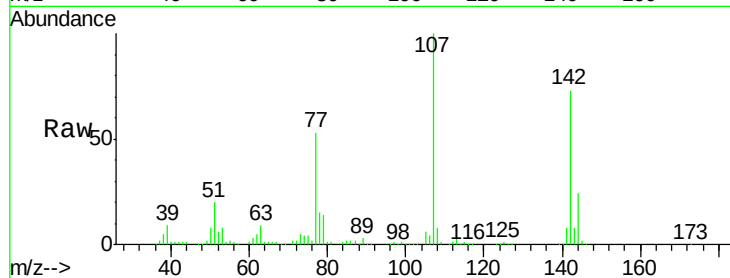
Tot Ion:107 Resp: 272983

Ion Ratio Lower Upper

107 100

144 23.8 20.8 31.2

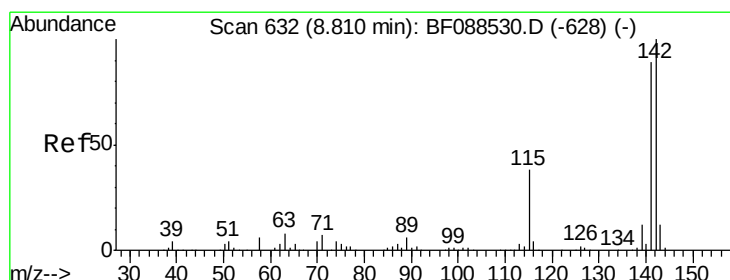
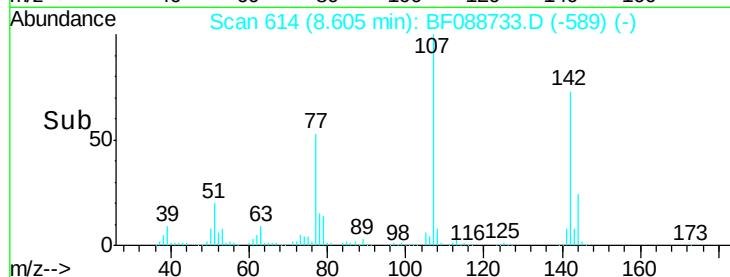
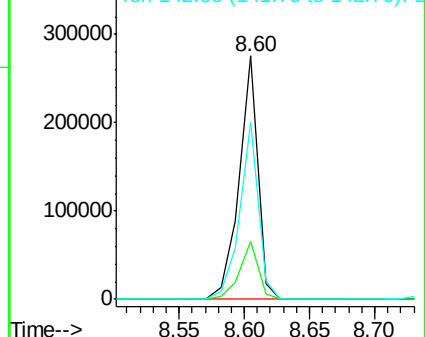
142 72.9 63.4 95.2



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#37

2-Methylnaphthalene

Concen: 38.53 ng

RT: 8.75 min Scan# 627

Delta R.T. -0.02 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

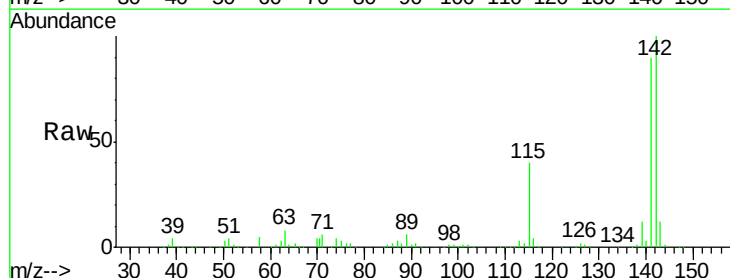
Tgt Ion:142 Resp: 496338

Ion Ratio Lower Upper

142 100

141 89.8 71.0 106.6

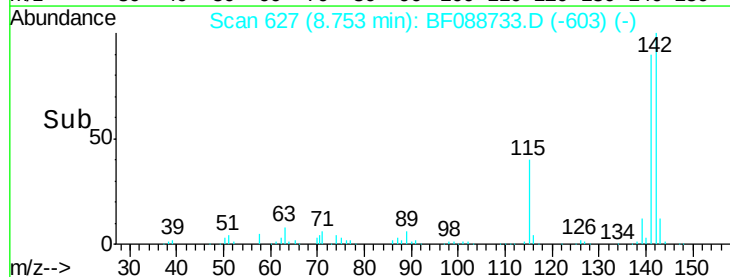
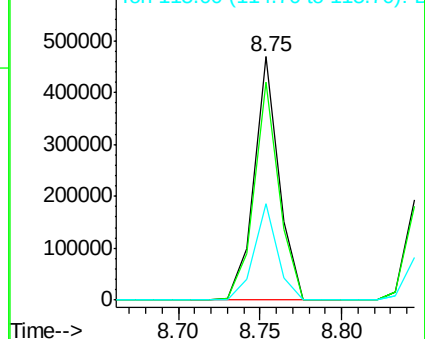
115 39.8 22.6 33.8#

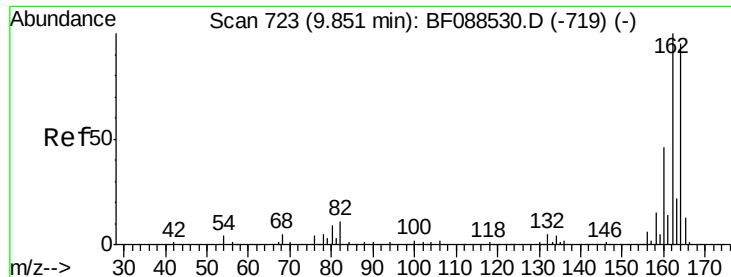


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.79 min Scan# 718

Delta R.T. -0.02 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

Instrument :

BNA_F

ClientSampled :

PB91761BS

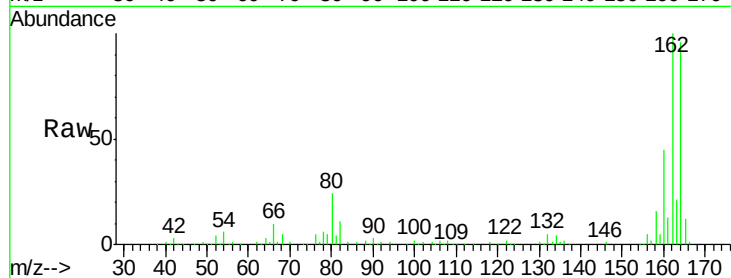
Tot Ion:164 Resp: 189787

Ion Ratio Lower Upper

164 100

162 104.7 85.4 128.2

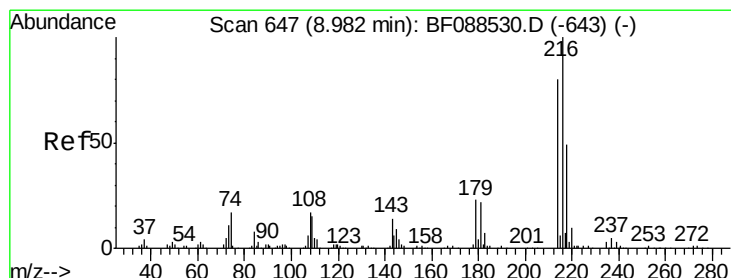
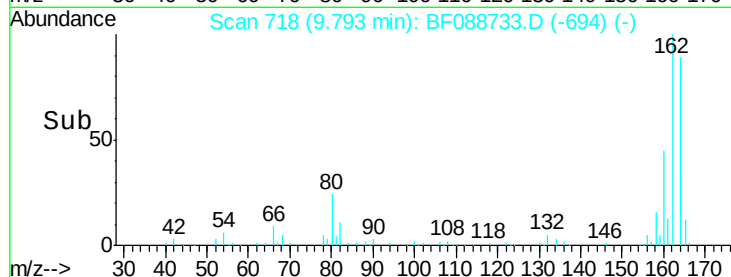
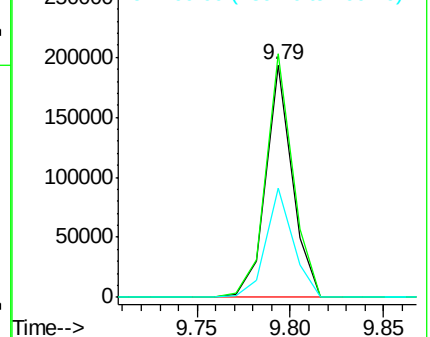
160 47.0 39.5 59.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#39

1,2,4,5-Tetrachlorobenzene

Concen: 35.87 ng

RT: 8.92 min Scan# 642

Delta R.T. -0.02 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

Tgt Ion:216 Resp: 226448

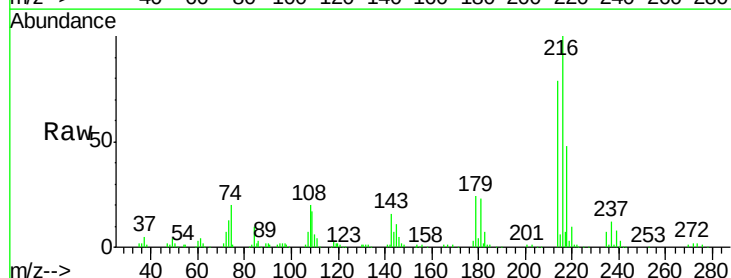
Ion Ratio Lower Upper

216 100

214 79.8 2.9 4.3#

179 24.6 0.0 0.0#

108 25.4 0.5 0.7#

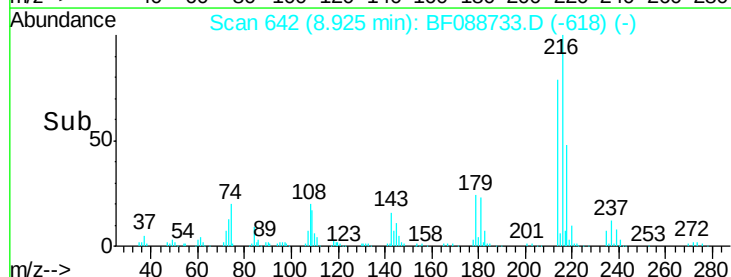
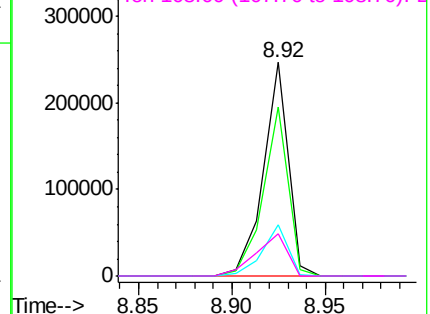


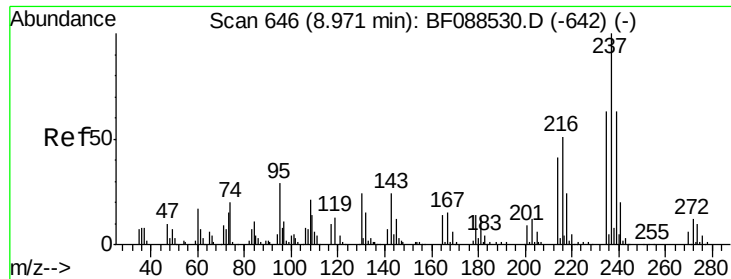
Abundance Ion 216.00 (215.70 to 216.70): E

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

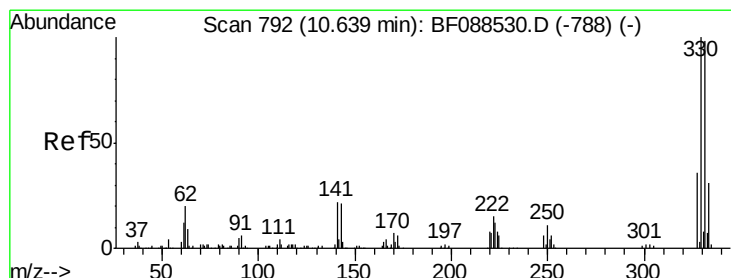
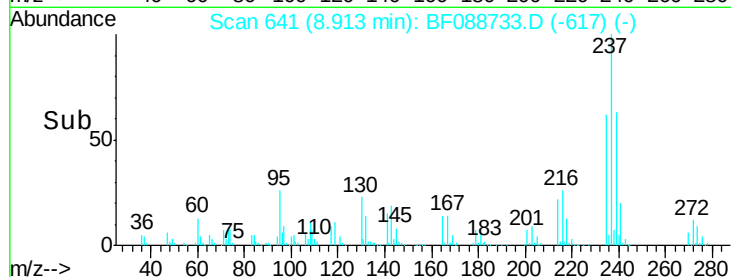
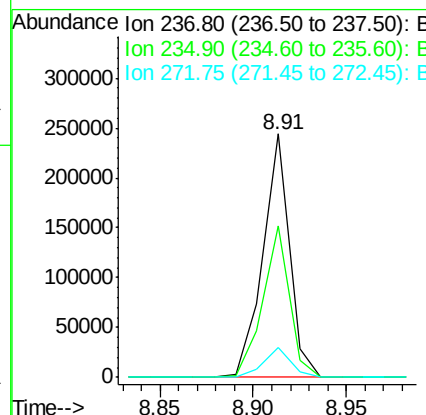
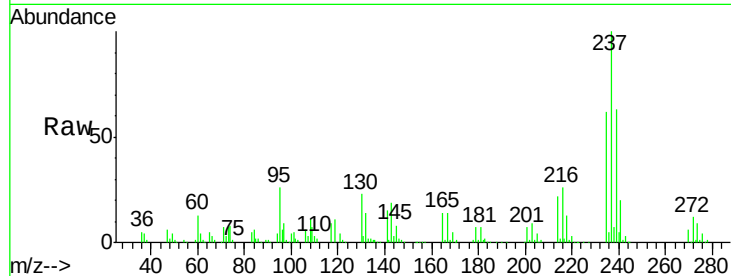




#40
Hexachlorocyclopentadiene
Concen: 77.30 ng
RT: 8.91 min Scan# 641
Delta R.T. -0.02 min
Lab File: BF088733.D
Acq: 6 Jul 2016 12:27

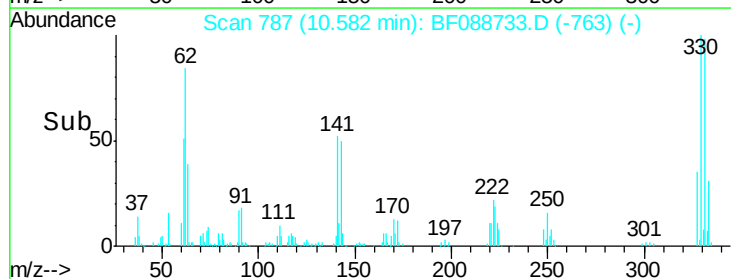
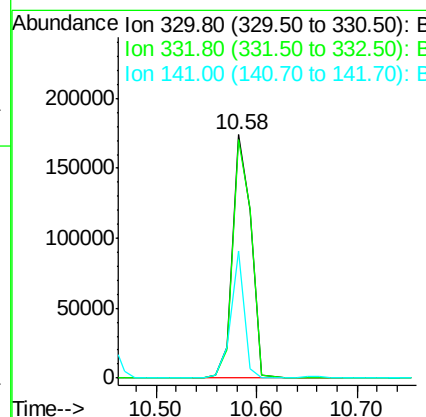
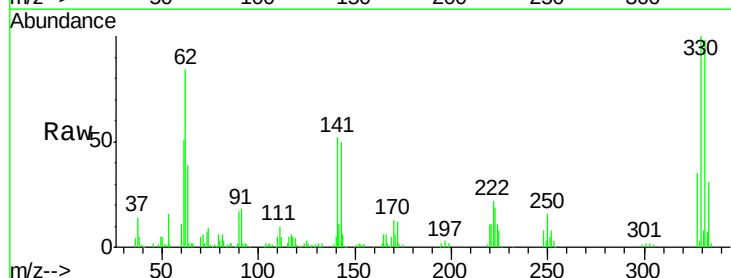
Instrument :
BNA_F
ClientSampleId :
PB91761BS

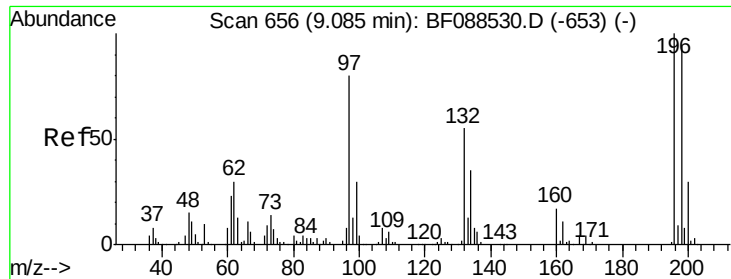
Tot Ion:237 Resp: 239492
Ion Ratio Lower Upper
237 100
235 62.4 43.4 83.4
272 12.1 0.0 32.3



#41
2,4,6-Tribromophenol
Concen: 125.65 ng
RT: 10.58 min Scan# 787
Delta R.T. -0.02 min
Lab File: BF088733.D
Acq: 6 Jul 2016 12:27

Tgt Ion:330 Resp: 221441
Ion Ratio Lower Upper
330 100
332 98.4 0.0 0.0#
141 38.2 0.0 0.0#

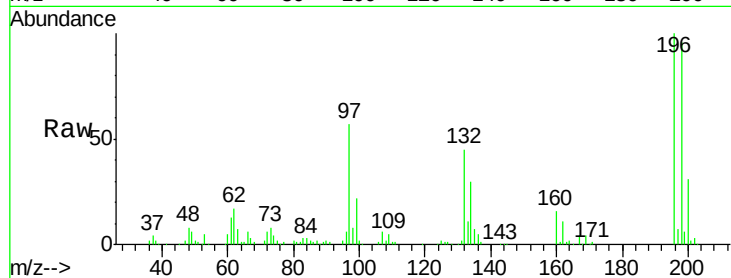




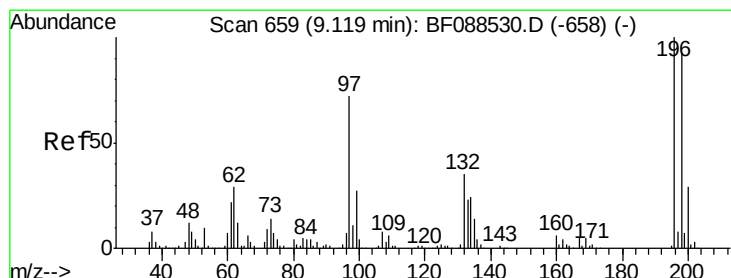
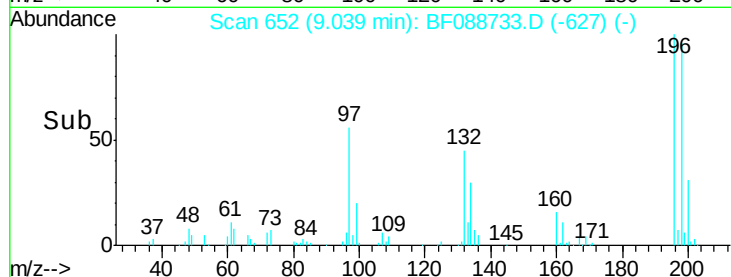
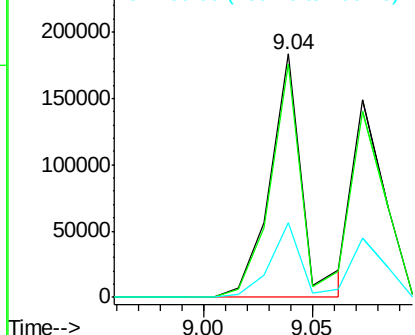
#42
 2,4,6-Trichlorophenol
 Concen: 45.47 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.01 min
 Lab File: BF088733.D
 Acq: 6 Jul 2016 12:27

Instrument :
 BNA_F
 ClientSampleId :
 PB91761BS

Tot Ion:196 Resp: 189224
 Ion Ratio Lower Upper
 196 100
 198 95.7 78.0 117.0
 200 30.6 25.4 38.2

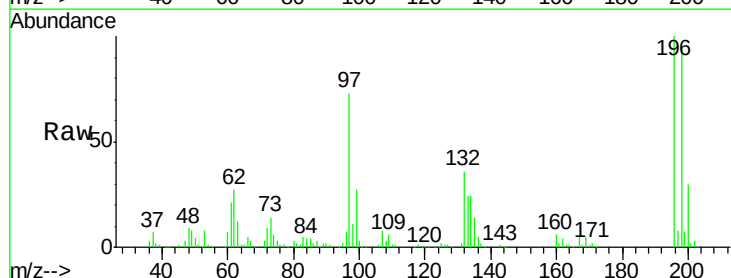


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

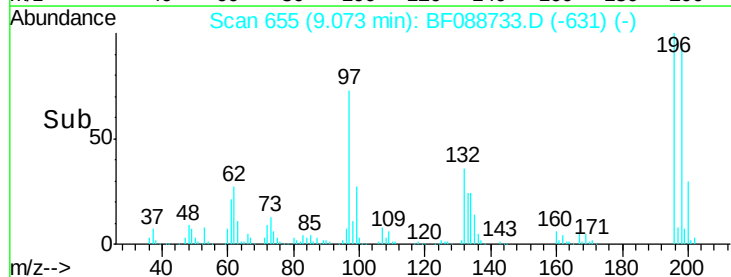
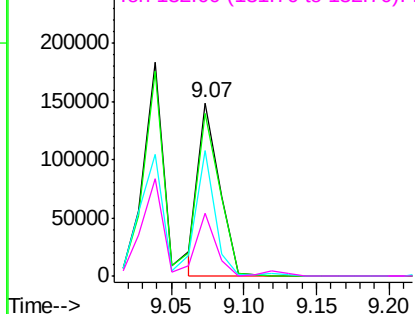


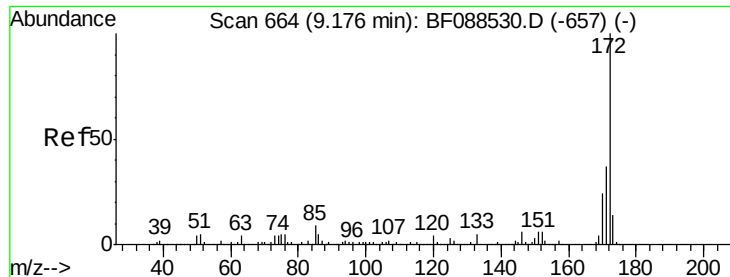
#43
 2,4,5-Trichlorophenol
 Concen: 42.21 ng
 RT: 9.07 min Scan# 655
 Delta R.T. -0.02 min
 Lab File: BF088733.D
 Acq: 6 Jul 2016 12:27

Tgt Ion:196 Resp: 151139
 Ion Ratio Lower Upper
 196 100
 198 94.4 77.5 116.3
 97 72.6 32.0 48.0#
 132 36.2 20.9 31.3#



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: 87.06 ng

RT: 9.12 min Scan# 659

Delta R.T. -0.02 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

Instrument :

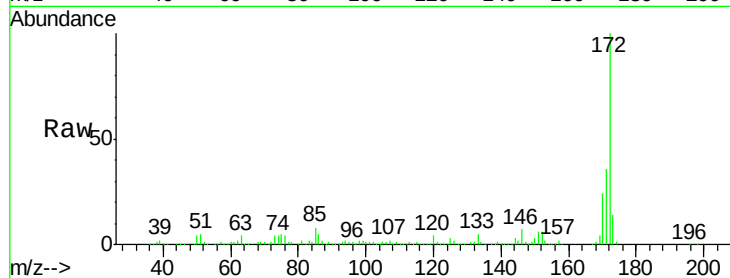
BNA_F

ClientSampleId :

PB91761BS

Tot Ion:172 Resp: 1046011

Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	43.0
170	24.2	19.2	28.8

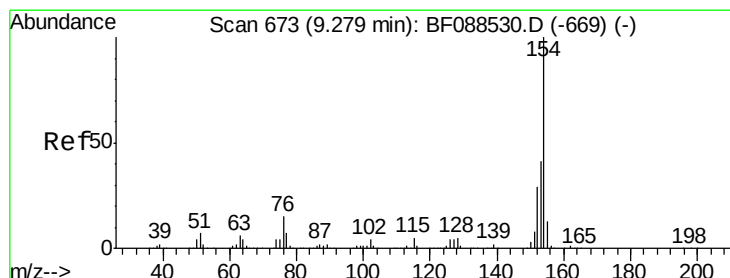
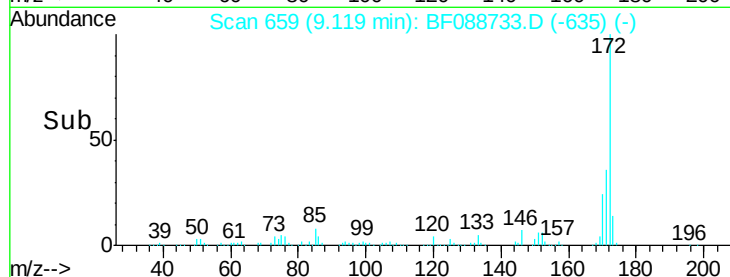
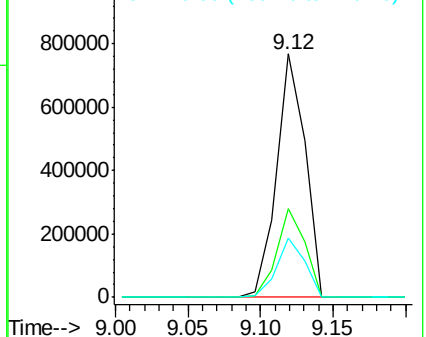


Abundance

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: 41.08 ng

RT: 9.22 min Scan# 668

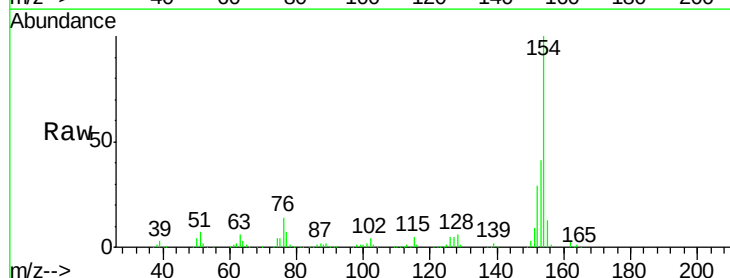
Delta R.T. -0.02 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

Tgt Ion:154 Resp: 645545

Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.6	60.6
76	14.4	0.0	35.1

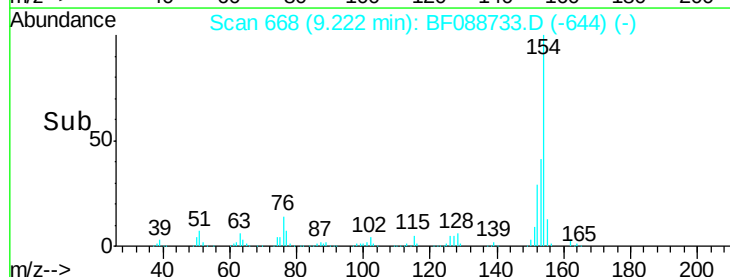
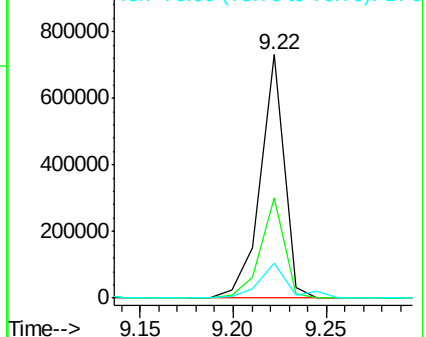


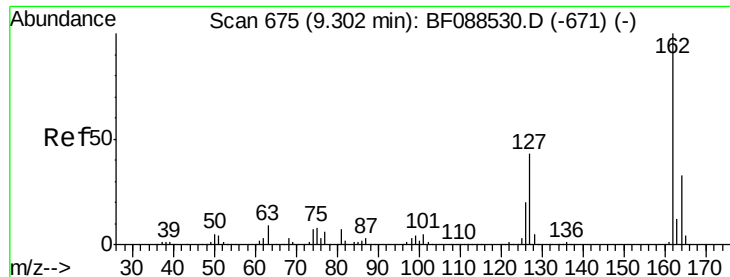
Abundance

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

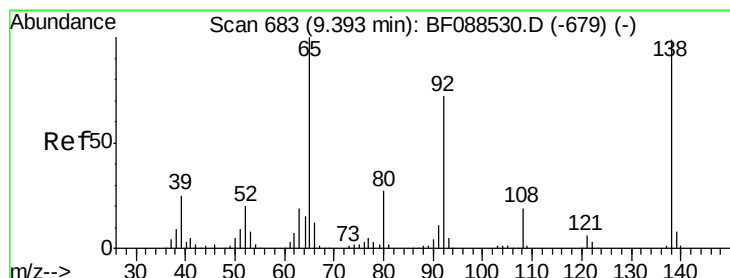
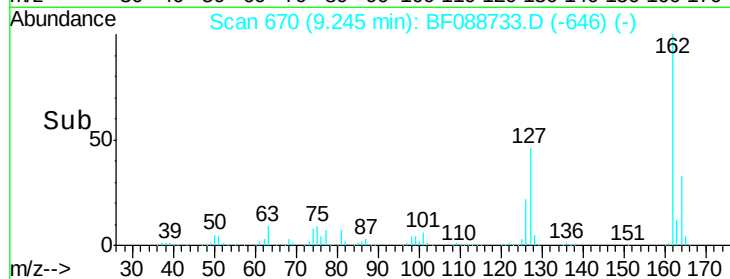
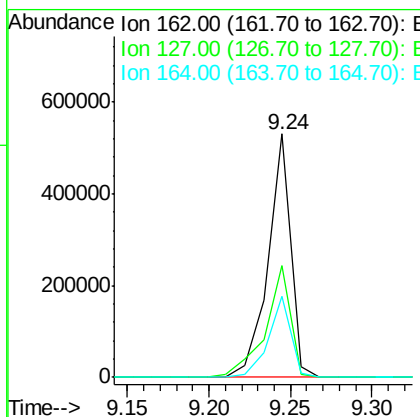
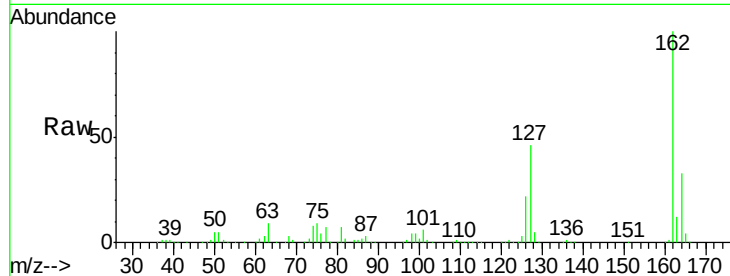




#46
 2-Chloronaphthalene
 Concen: 41.48 ng
 RT: 9.24 min Scan# 670
 Delta R.T. -0.02 min
 Lab File: BF088733.D
 Acq: 6 Jul 2016 12:27

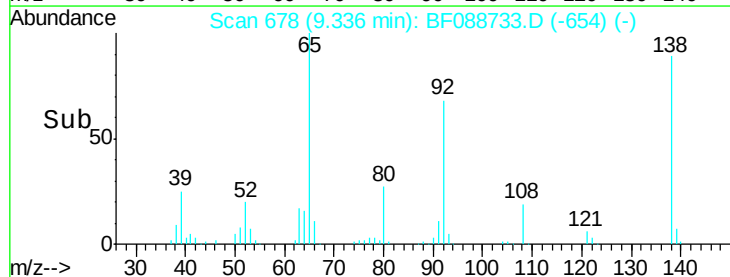
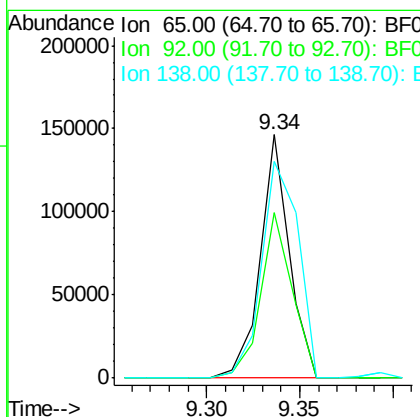
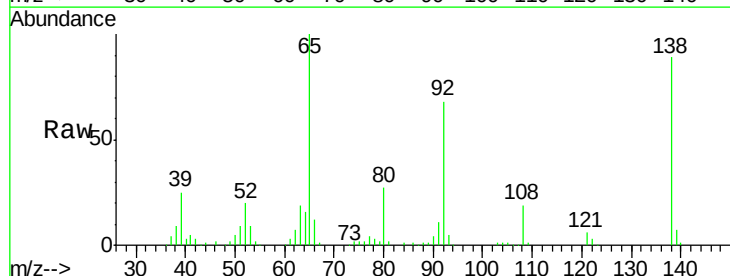
Instrument :
 BNA_F
 ClientSampleId :
 PB91761BS

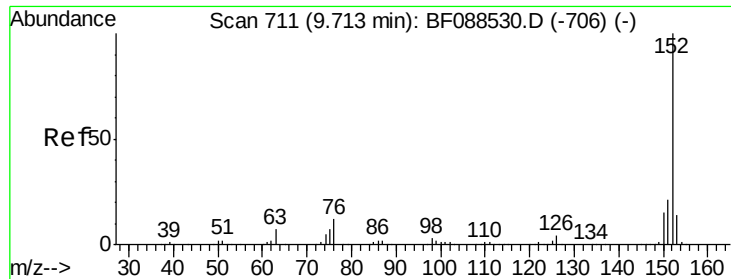
Tot Ion:162 Resp: 511707
 Ion Ratio Lower Upper
 162 100
 127 46.1 35.2 52.8
 164 33.2 26.6 39.8



#47
 2-Nitroaniline
 Concen: 35.64 ng
 RT: 9.34 min Scan# 678
 Delta R.T. -0.02 min
 Lab File: BF088733.D
 Acq: 6 Jul 2016 12:27

Tgt Ion: 65 Resp: 156047
 Ion Ratio Lower Upper
 65 100
 92 67.8 54.6 82.0
 138 89.0 77.0 115.4





#48

Acenaphthylene

Concen: 39.17 ng

RT: 9.66 min Scan# 706

Delta R.T. -0.02 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

Instrument :

BNA_F

ClientSampleId :

PB91761BS

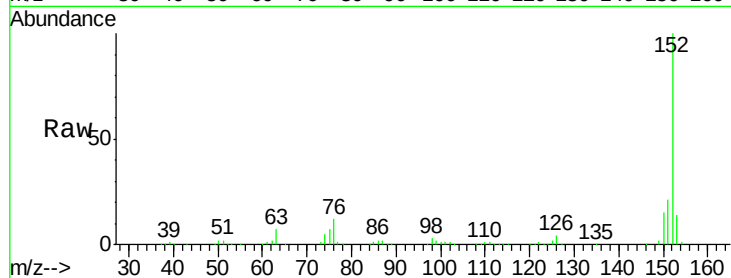
Tot Ion:152 Resp: 769006

Ion Ratio Lower Upper

152 100

151 20.7 16.2 24.4

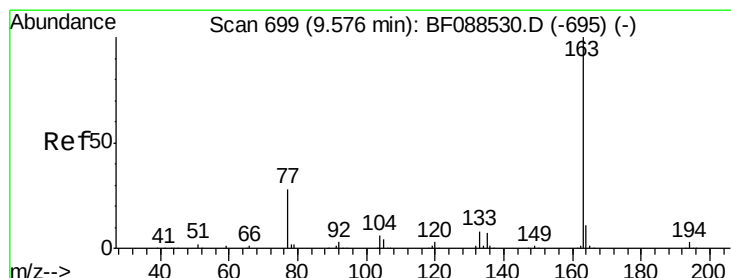
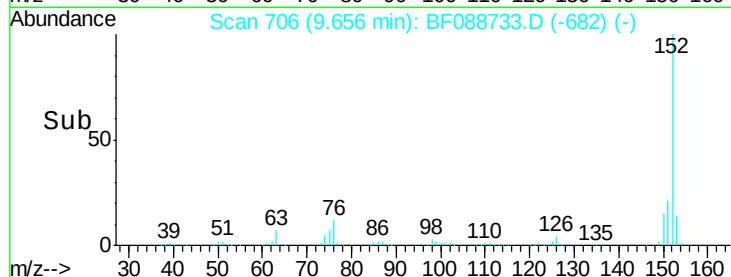
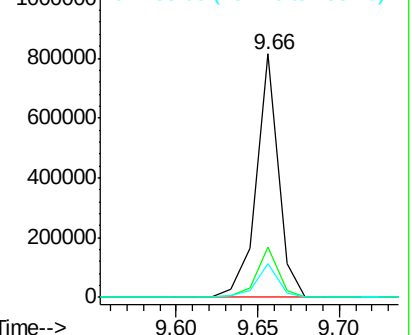
153 13.7 11.0 16.6



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: 43.45 ng

RT: 9.53 min Scan# 695

Delta R.T. -0.01 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

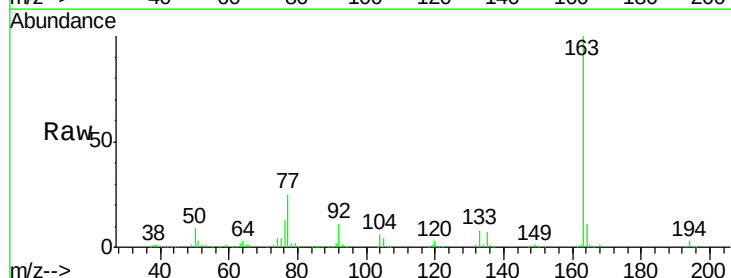
Tgt Ion:163 Resp: 587435

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

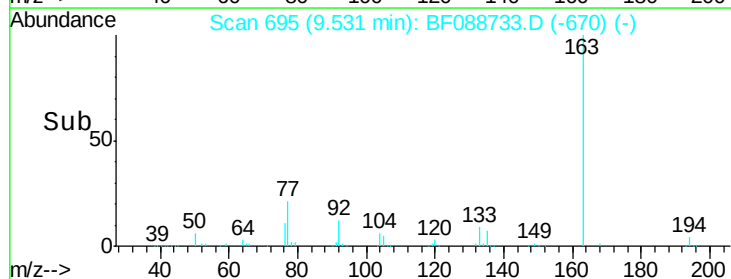
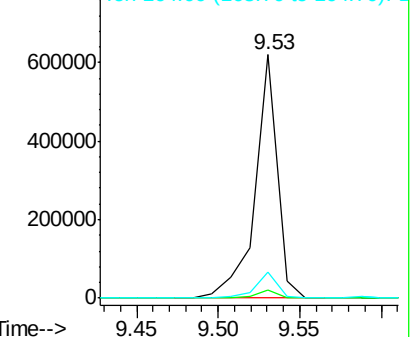
164 10.5 8.3 12.5

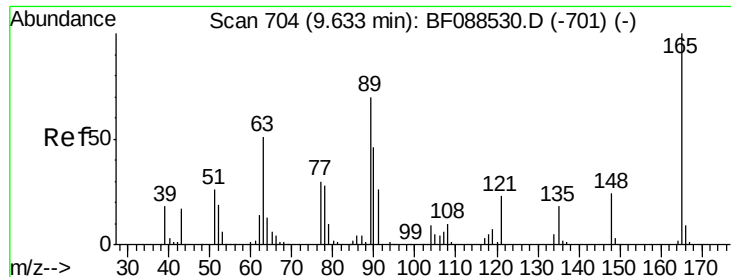


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

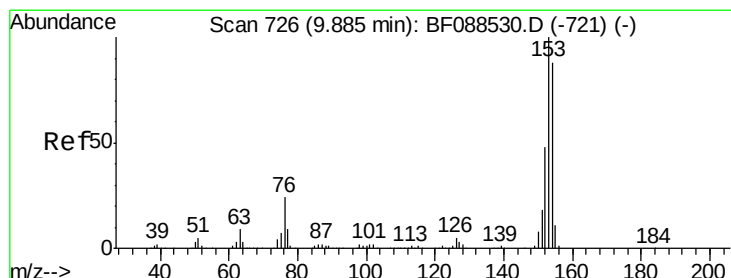
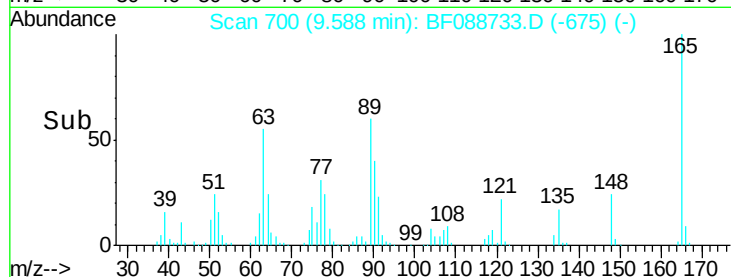
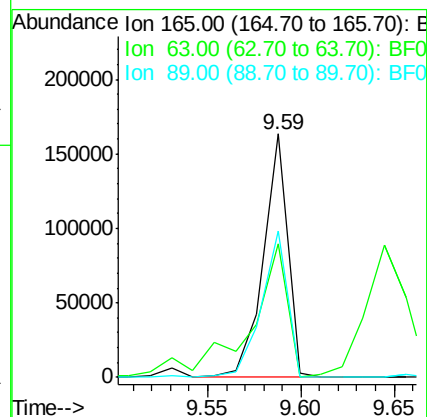
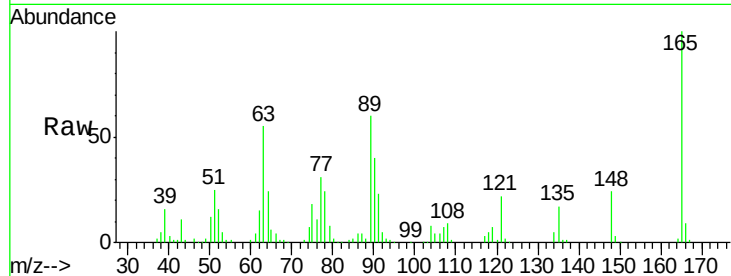




#50
 2,6-Dinitrotoluene
 Concen: 49.03 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.01 min
 Lab File: BF088733.D
 Acq: 6 Jul 2016 12:27

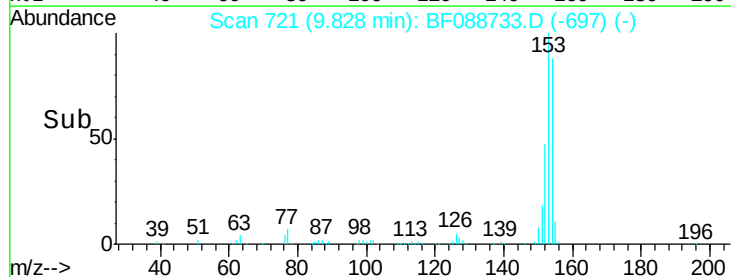
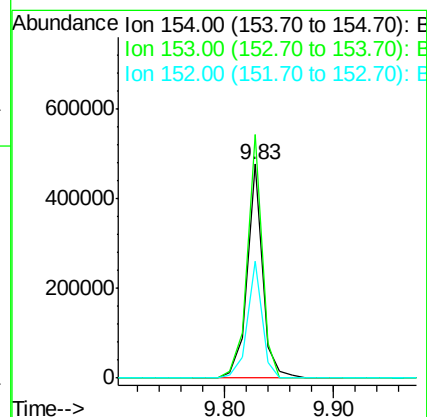
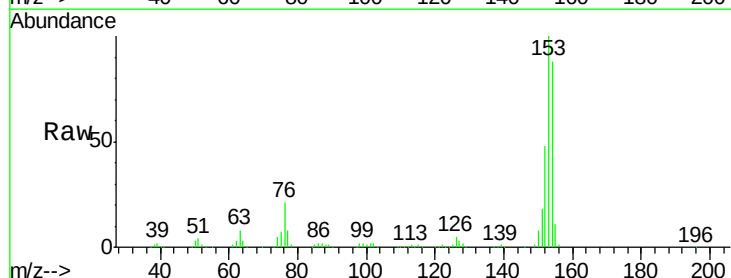
Instrument :
 BNA_F
 ClientSampleId :
 PB91761BS

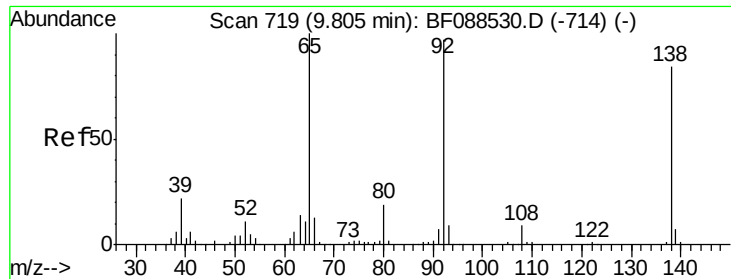
Tot Ion:165 Resp: 146920
 Ion Ratio Lower Upper
 165 100
 63 54.8 28.1 42.1#
 89 60.2 32.2 48.2#



#51
 Acenaphthene
 Concen: 38.24 ng
 RT: 9.83 min Scan# 721
 Delta R.T. -0.02 min
 Lab File: BF088733.D
 Acq: 6 Jul 2016 12:27

Tgt Ion:154 Resp: 460096
 Ion Ratio Lower Upper
 154 100
 153 114.0 89.5 134.3
 152 54.6 42.7 64.1

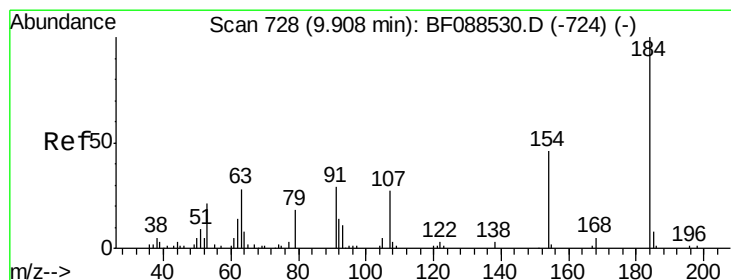
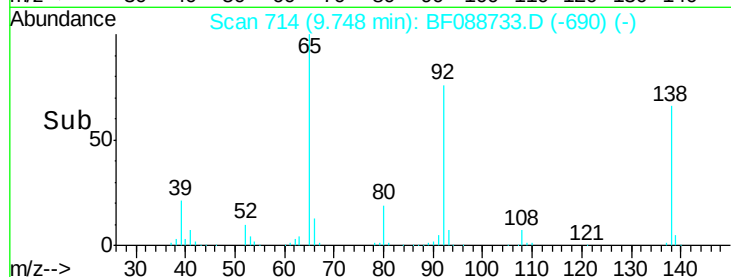
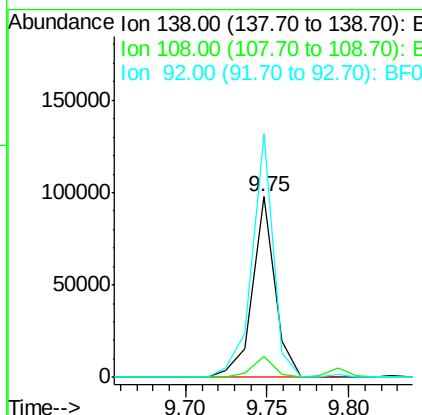
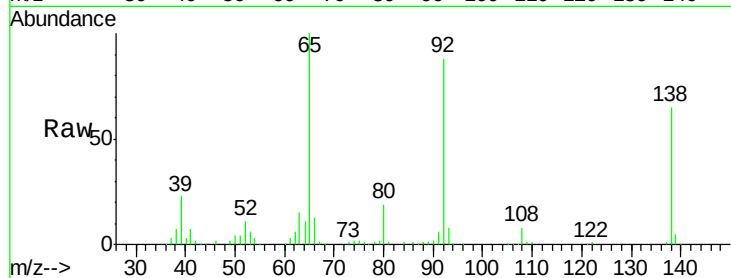




#52
 3-Nitroaniline
 Concen: 24.62 ng
 RT: 9.75 min Scan# 714
 Delta R.T. -0.02 min
 Lab File: BF088733.D
 Acq: 6 Jul 2016 12:27

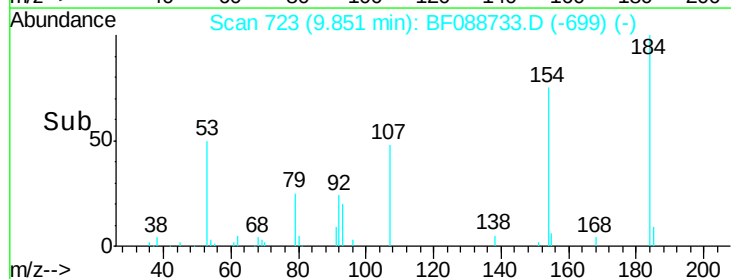
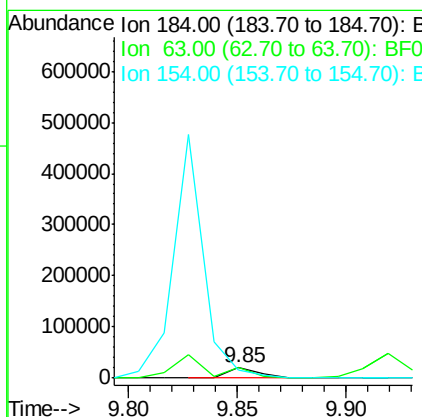
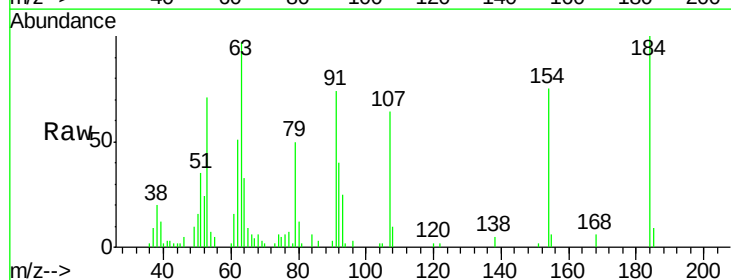
Instrument :
 BNA_F
 ClientSampleId :
 PB91761BS

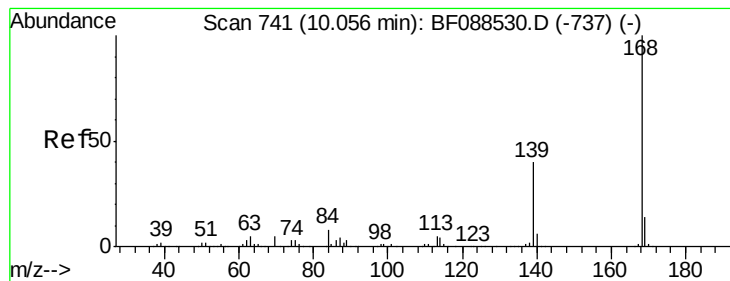
Tot Ion:138 Resp: 93803
 Ion Ratio Lower Upper
 138 100
 108 11.8 8.5 12.7
 92 134.8 95.7 143.5



#53
 2,4-Dinitrophenol
 Concen: 16.07 ng
 RT: 9.85 min Scan# 723
 Delta R.T. -0.02 min
 Lab File: BF088733.D
 Acq: 6 Jul 2016 12:27

Tgt Ion:184 Resp: 21265
 Ion Ratio Lower Upper
 184 100
 63 97.4 57.6 86.4#
 154 75.4 53.5 80.3





#54

Dibenzofuran

Concen: 43.18 ng

RT: 10.00 min Scan# 736

Delta R.T. -0.02 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

Instrument :

BNA_F

ClientSampleId :

PB91761BS

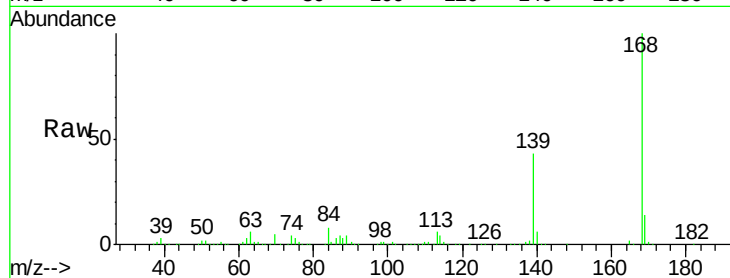
Tot Ion:168 Resp: 680090

Ion Ratio Lower Upper

168 100

139 43.4 26.4 39.6#

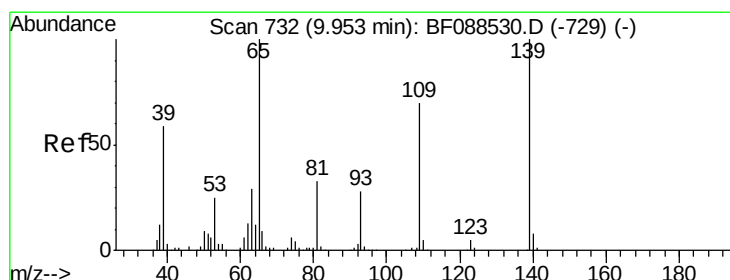
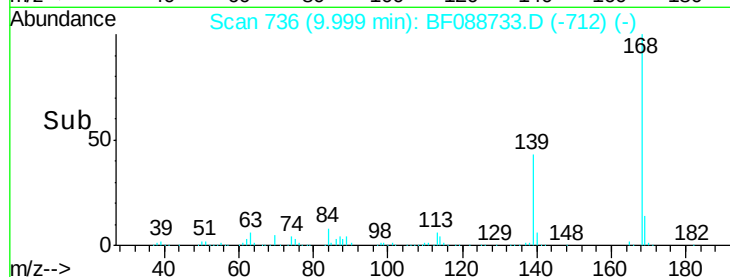
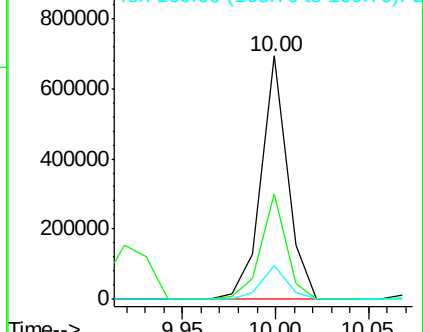
169 13.8 10.4 15.6



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: 80.14 ng

RT: 9.92 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

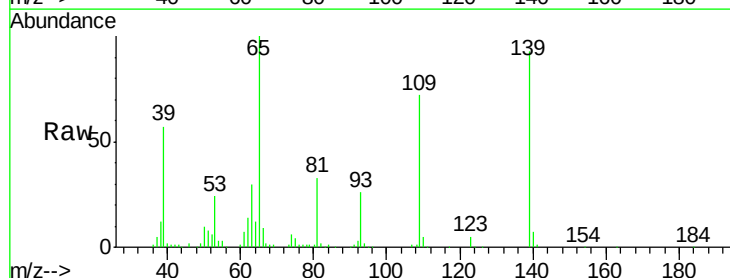
Tgt Ion:139 Resp: 231986

Ion Ratio Lower Upper

139 100

109 77.8 48.9 88.9

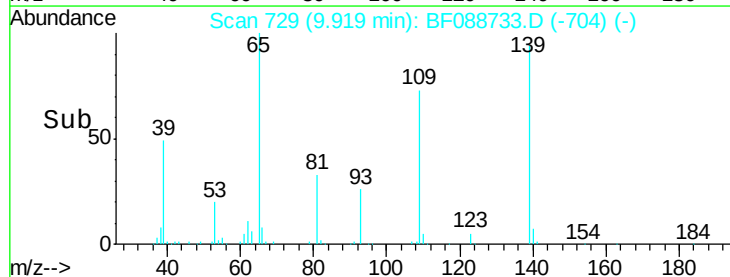
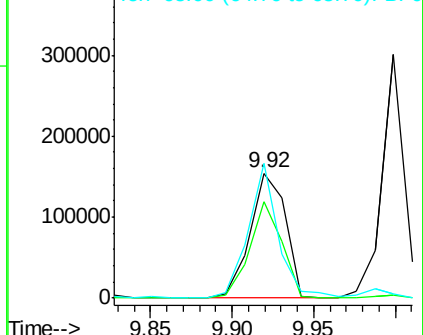
65 108.0 84.9 124.9

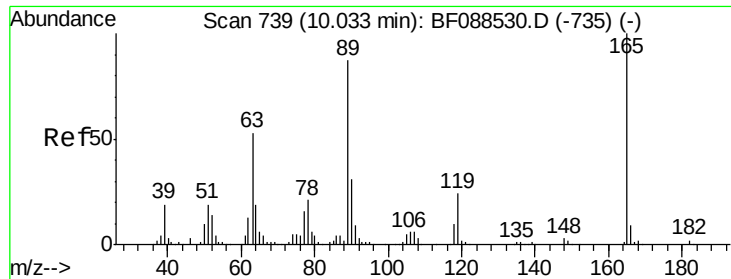


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 42.02 ng

RT: 9.99 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

Instrument :

BNA_F

ClientSampleId :

PB91761BS

Tot Ion:165 Resp: 164627

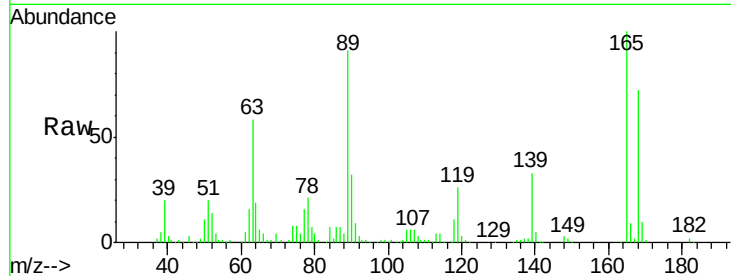
Ion Ratio Lower Upper

165 100

63 57.9 22.0 33.0#

89 90.6 41.1 61.7#

182 2.3 2.0 3.0

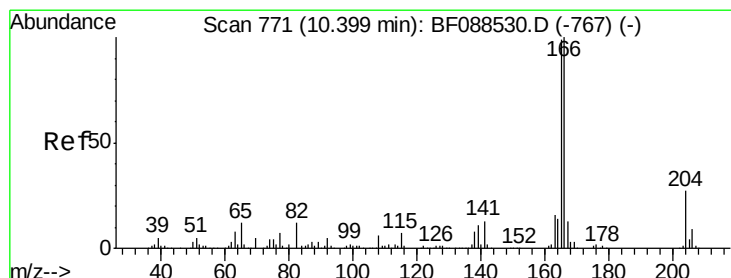
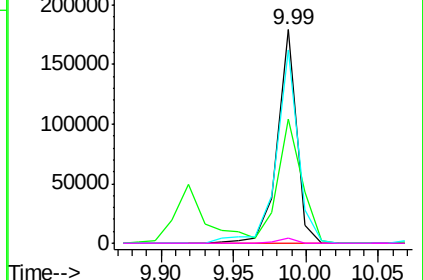
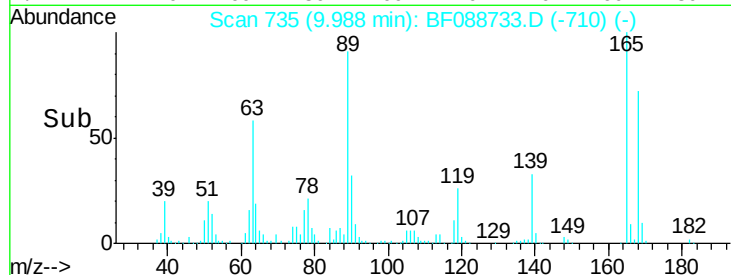


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 43.72 ng

RT: 10.34 min Scan# 766

Delta R.T. -0.02 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

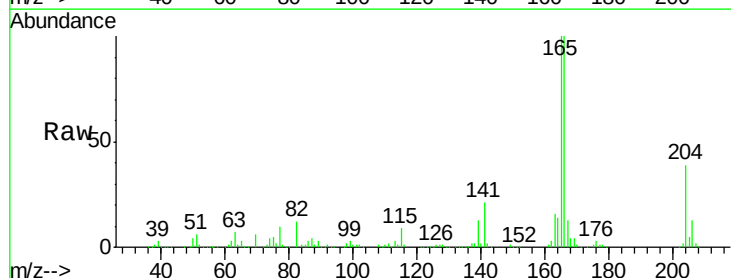
Tgt Ion:166 Resp: 530622

Ion Ratio Lower Upper

166 100

165 99.9 77.8 116.8

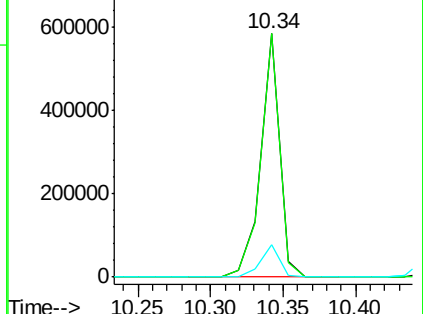
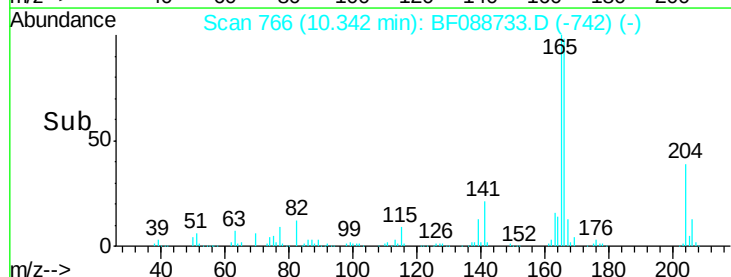
167 13.4 11.2 16.8

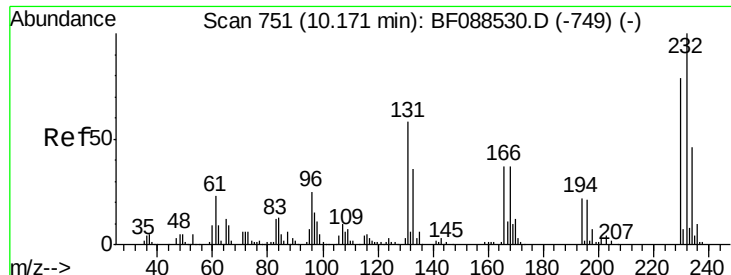


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

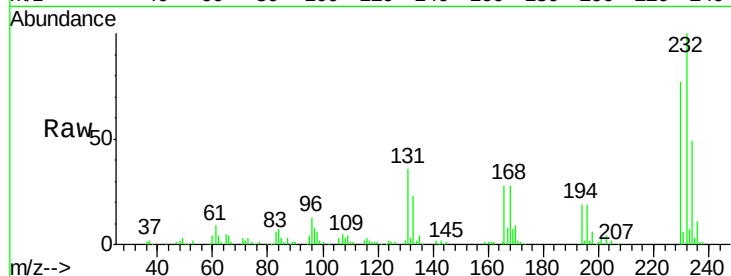




#58
 2,3,4,6-Tetrachlorophenol
 Concen: 45.84 ng
 RT: 10.12 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF088733.D
 Acq: 6 Jul 2016 12:27

Instrument :
 BNA_F
 ClientSampleId :
 PB91761BS

Tot Ion	Ratio	Lower	Upper
232	100		
131	51.0	0.9	1.3#
130	2.5	1.5	2.3#
166	33.3	0.5	0.7#

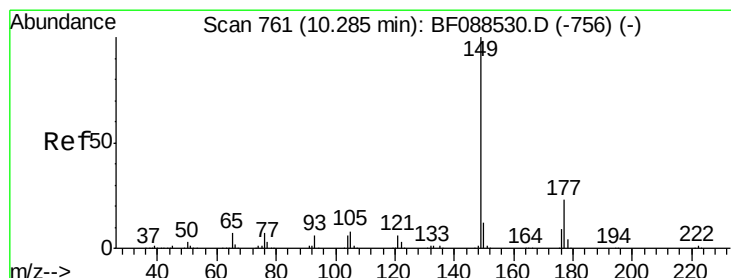
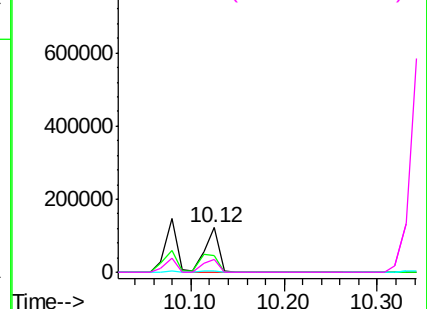
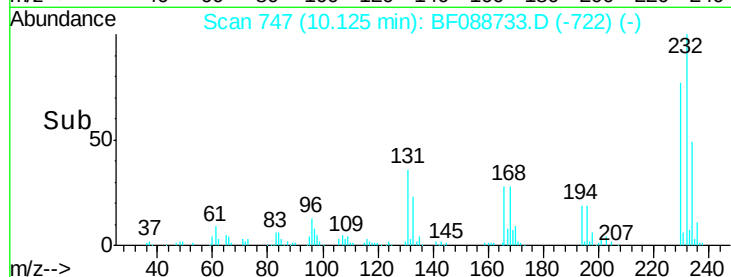


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

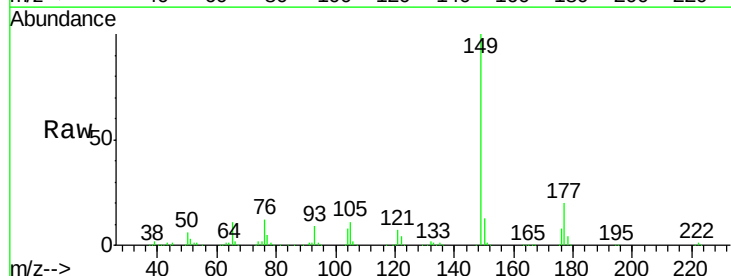
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#59
 Diethylphthalate
 Concen: 44.13 ng
 RT: 10.23 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF088733.D
 Acq: 6 Jul 2016 12:27

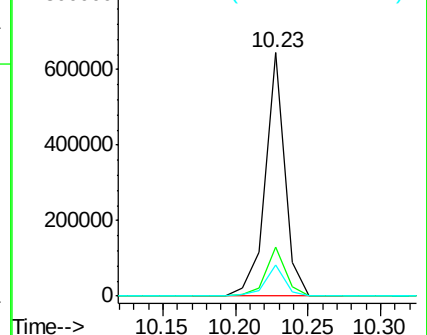
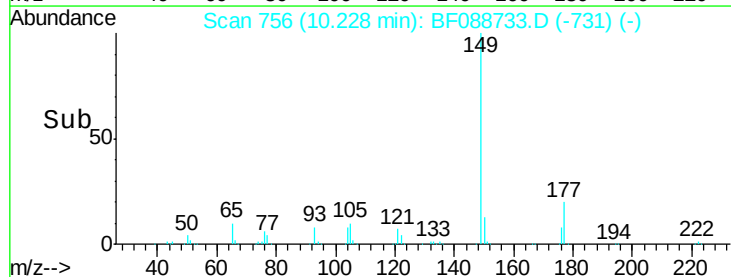
Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.2	16.9	25.3
150	12.6	10.1	15.1

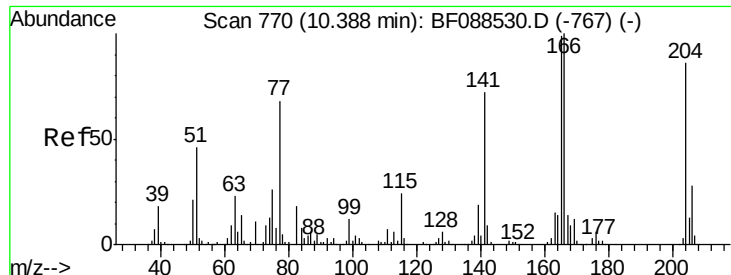


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

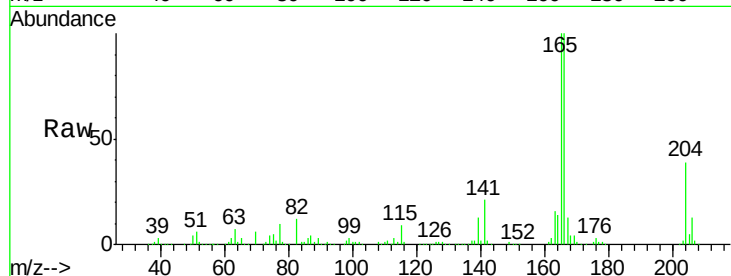




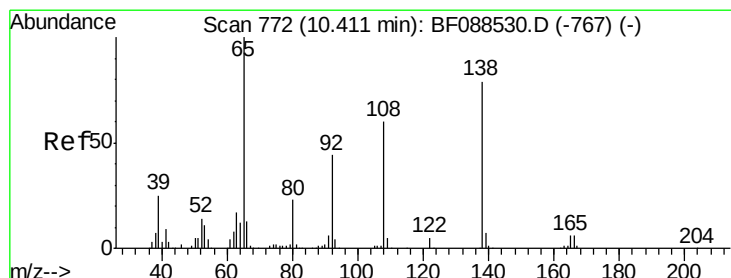
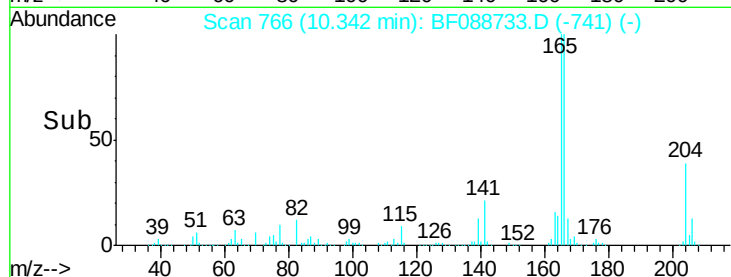
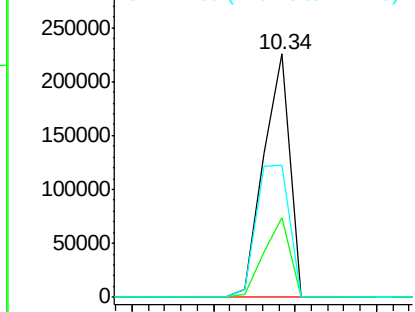
#60
 4-Chlorophenyl-phenylether
 Concen: 44.66 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.01 min
 Lab File: BF088733.D
 Acq: 6 Jul 2016 12:27

Instrument :
 BNA_F
 ClientSampleId :
 PB91761BS

Tot Ion:204 Resp: 251863
 Ion Ratio Lower Upper
 204 100
 206 32.6 26.3 39.5
 141 54.4 55.0 82.6#

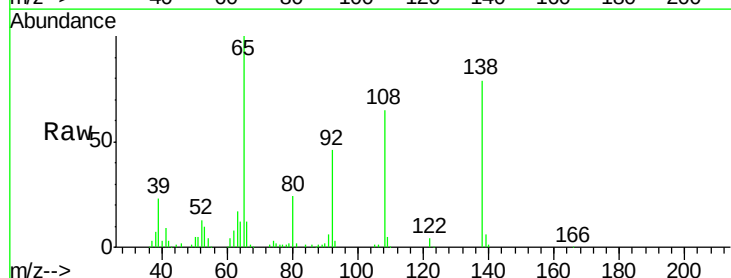


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

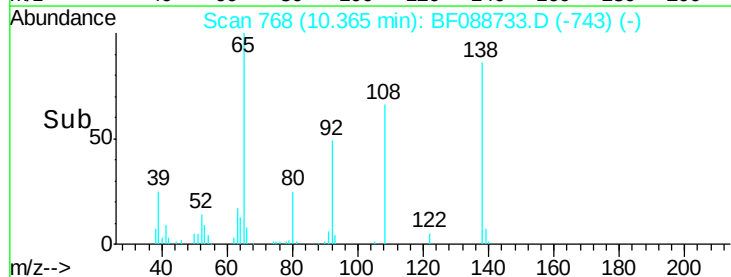
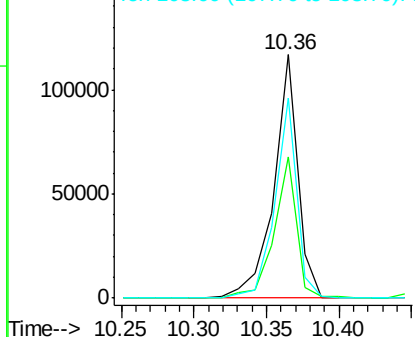


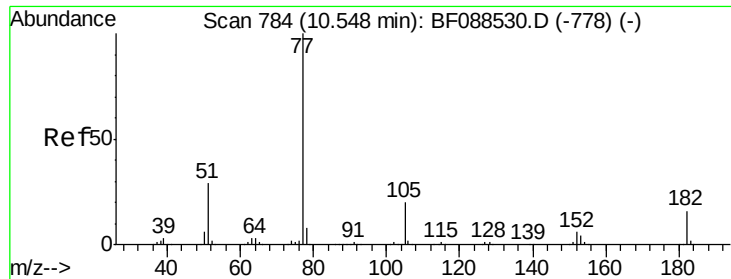
#61
 4-Nitroaniline
 Concen: 36.66 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BF088733.D
 Acq: 6 Jul 2016 12:27

Tgt Ion:138 Resp: 134384
 Ion Ratio Lower Upper
 138 100
 92 57.8 27.3 67.3
 108 82.0 46.7 86.7



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: 45.80 ng

RT: 10.49 min Scan# 779

Delta R.T. -0.02 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

Instrument :

BNA_F

ClientSampleId :

PB91761BS

Tot Ion: 77 Resp: 708876

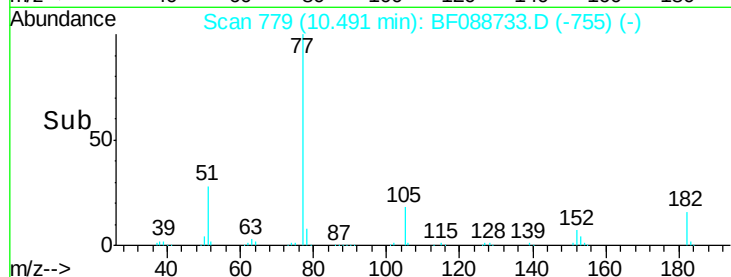
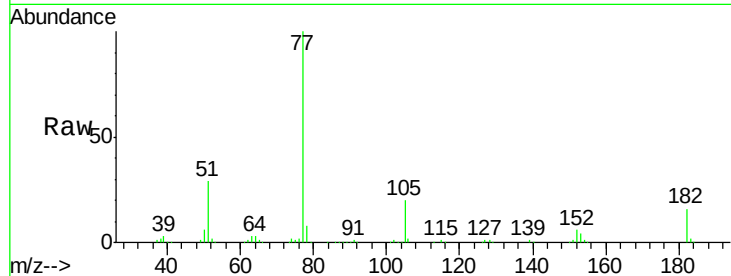
Ion Ratio Lower Upper

77 100

182 15.8 4.4 44.4

105 20.3 3.8 43.8

51 28.6 9.3 49.3

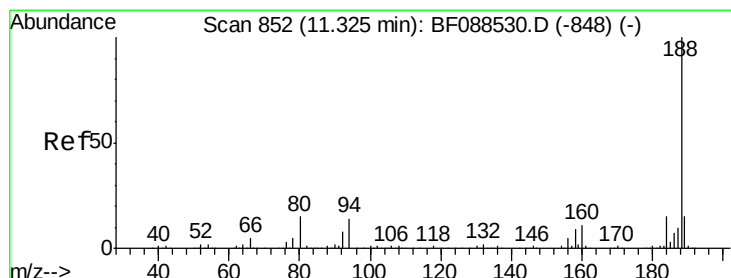
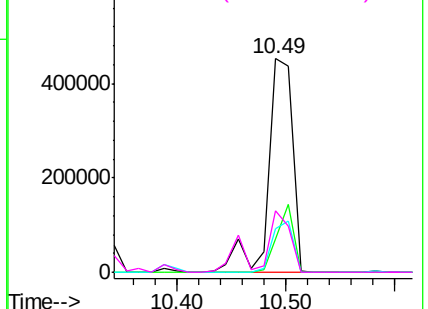


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.27 min Scan# 847

Delta R.T. -0.02 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

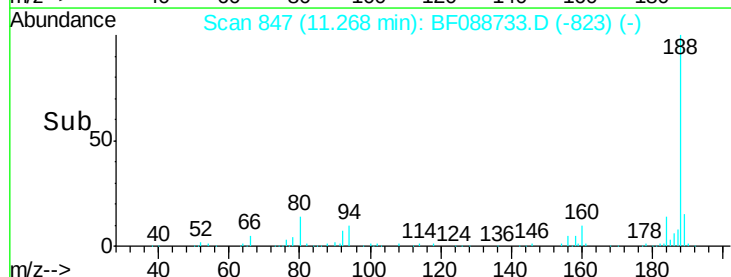
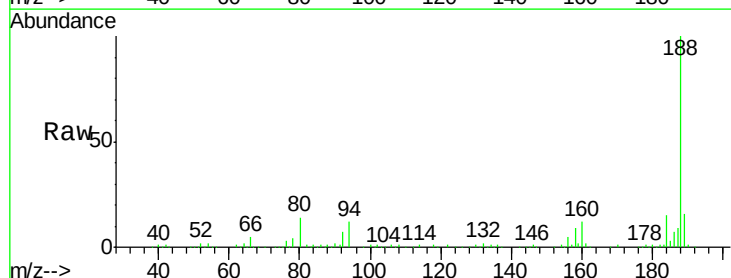
Tgt Ion: 188 Resp: 368963

Ion Ratio Lower Upper

188 100

94 12.3 9.0 13.6

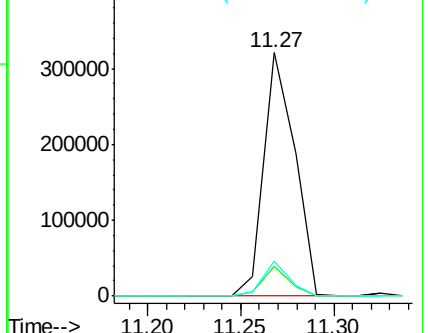
80 14.3 10.0 15.0

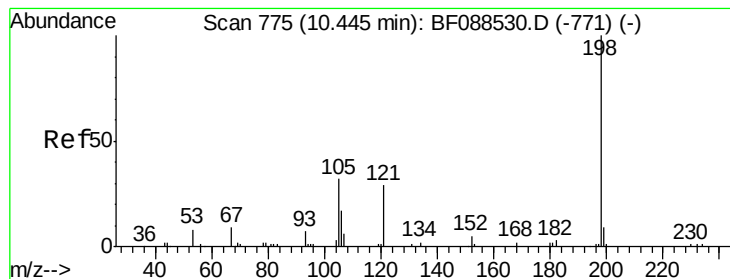


Abundance Ion 188.00 (187.70 to 188.70): BF0

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: 16.52 ng

RT: 10.40 min Scan# 771

Delta R.T. -0.01 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

Instrument :

BNA_F

ClientSampleId :

PB91761BS

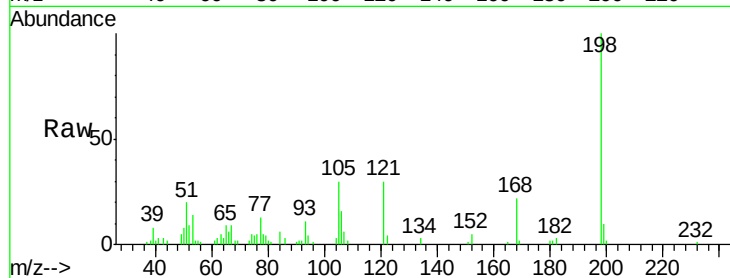
Tot Ion:198 Resp: 32592

Ion Ratio Lower Upper

198 100

51 19.6 39.6 79.6#

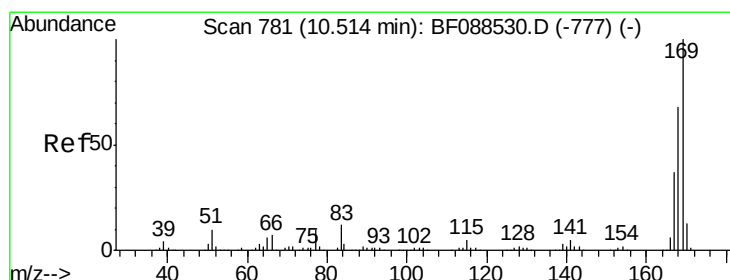
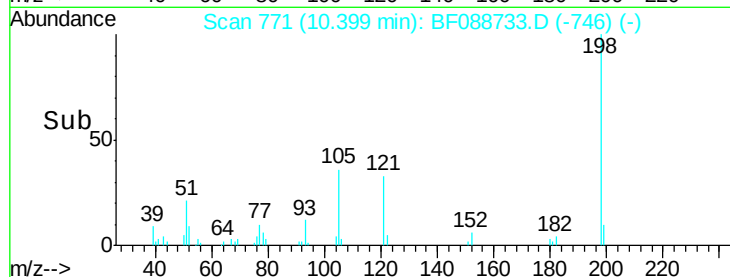
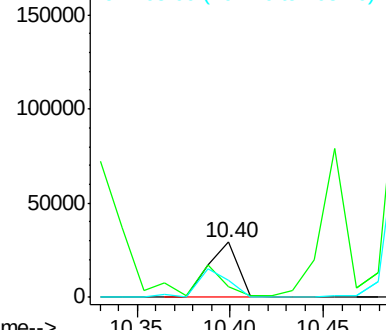
105 30.3 36.6 76.6#



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: 38.14 ng

RT: 10.46 min Scan# 776

Delta R.T. -0.02 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

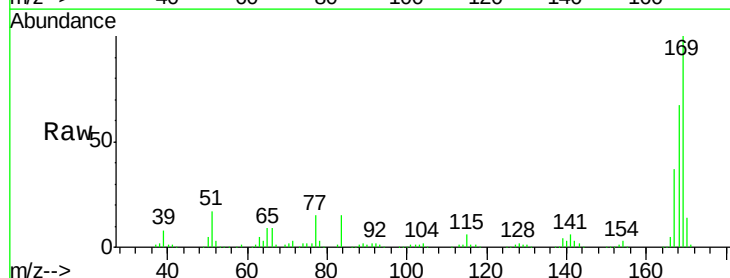
Tgt Ion:169 Resp: 476249

Ion Ratio Lower Upper

169 100

168 67.4 53.4 80.0

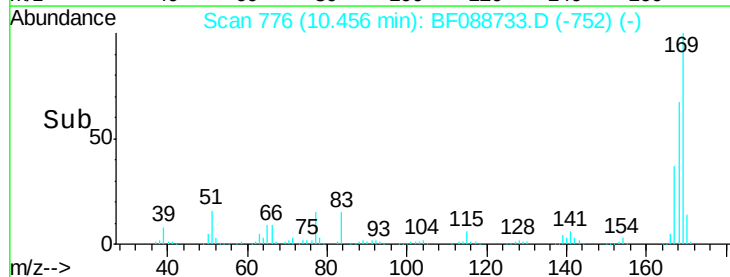
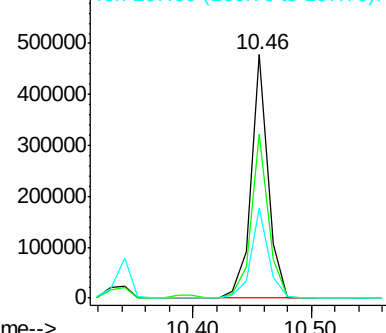
167 37.1 29.4 44.0

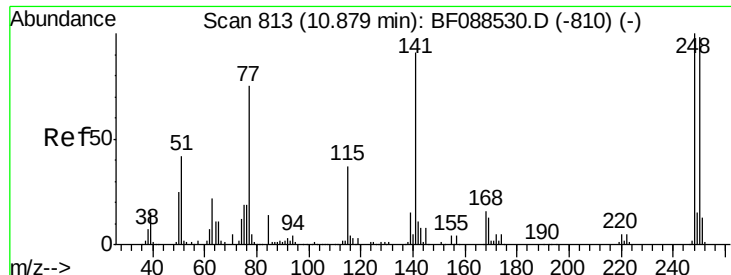


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

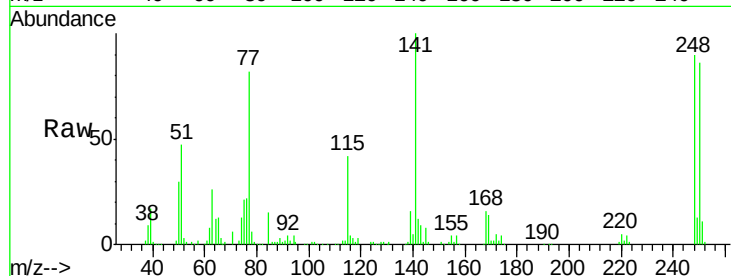




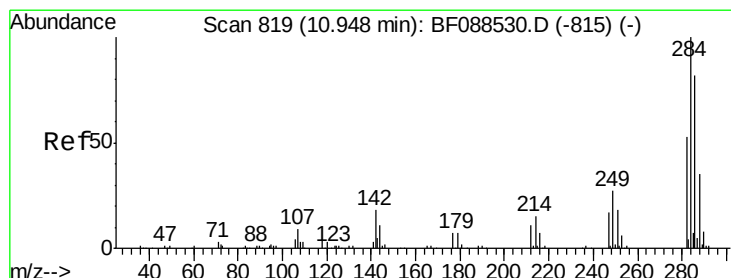
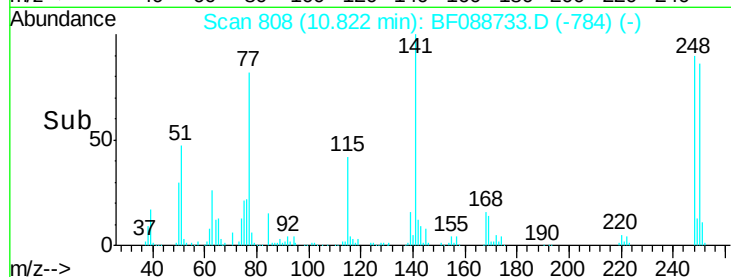
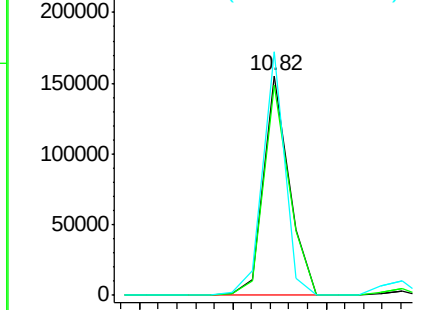
#66
4-Bromophenyl-phenylether
Concen: 39.35 ng
RT: 10.82 min Scan# 808
Delta R.T. -0.02 min
Lab File: BF088733.D
Acq: 6 Jul 2016 12:27

Instrument :
BNA_F
ClientSampleId :
PB91761BS

Tot Ion:248 Resp: 146297
Ion Ratio Lower Upper
248 100
250 95.6 77.1 115.7
141 111.0 50.6 76.0#

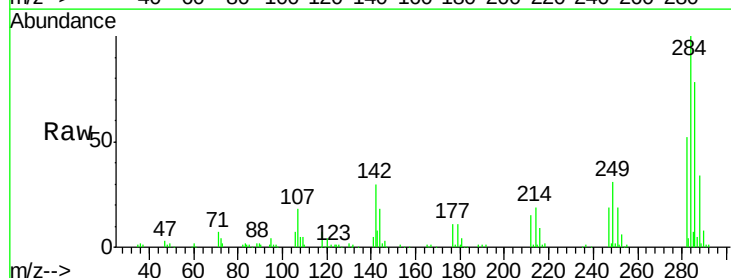


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

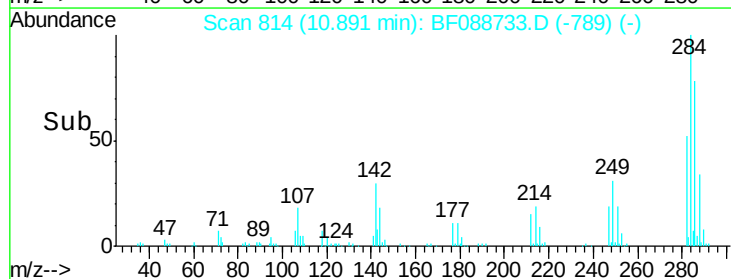
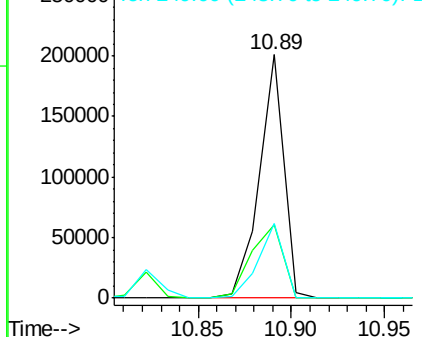


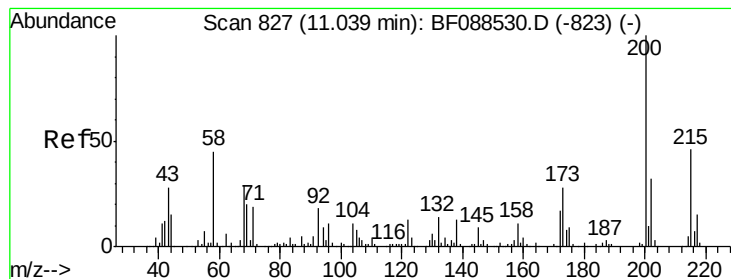
#67
Hexachlorobenzene
Concen: 44.10 ng
RT: 10.89 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF088733.D
Acq: 6 Jul 2016 12:27

Tgt Ion:284 Resp: 181522
Ion Ratio Lower Upper
284 100
142 30.4 35.8 53.8#
249 30.8 25.8 38.6



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: 45.49 ng

RT: 10.99 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

Instrument :

BNA_F

ClientSampleId :

PB91761BS

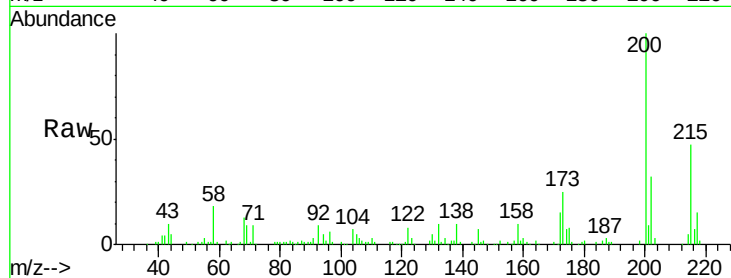
Tot Ion:200 Resp: 177025

Ion Ratio Lower Upper

200 100

173 24.7 4.0 44.0

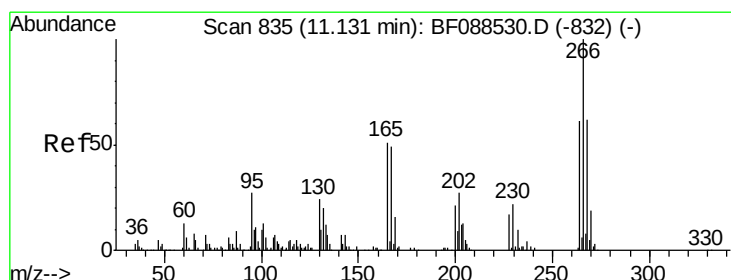
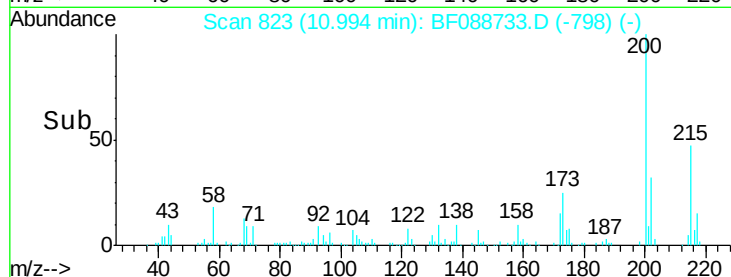
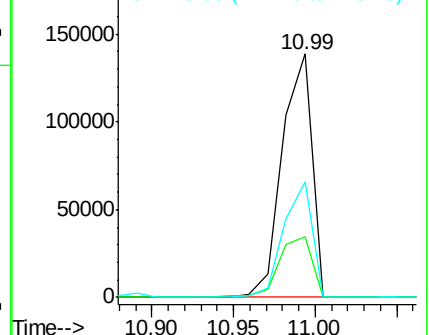
215 47.5 29.3 69.3



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: 47.81 ng

RT: 11.08 min Scan# 831

Delta R.T. -0.01 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

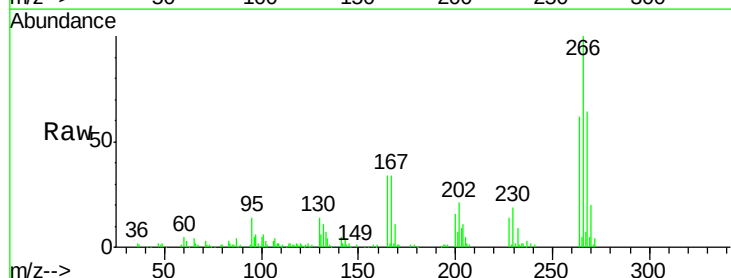
Tgt Ion:266 Resp: 116466

Ion Ratio Lower Upper

266 100

268 64.1 52.8 79.2

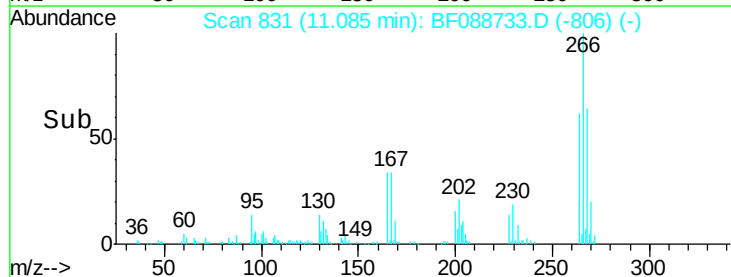
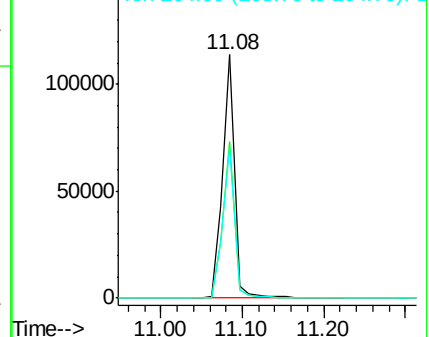
264 61.6 49.6 74.4

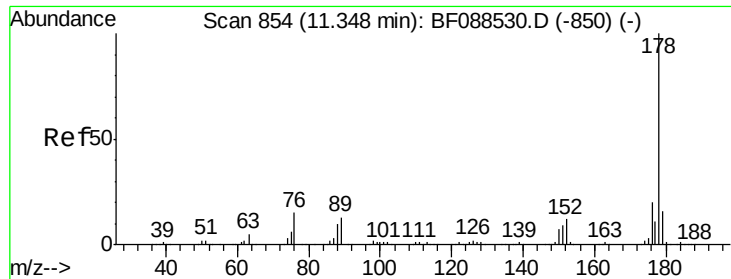


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

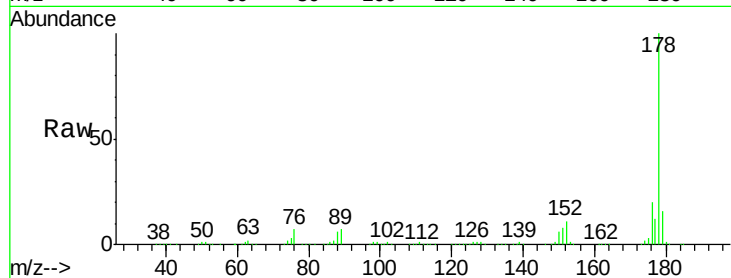




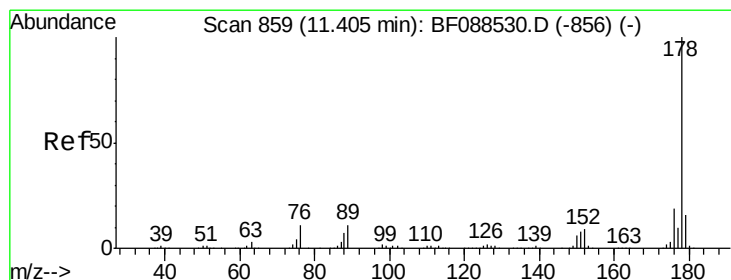
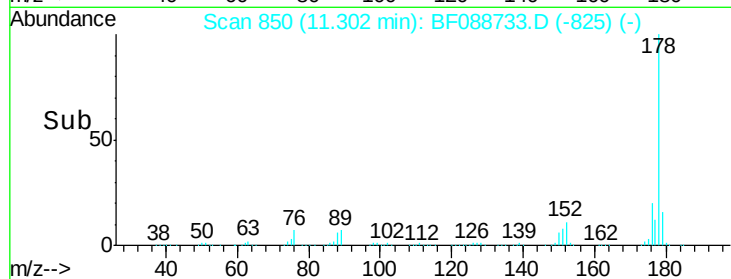
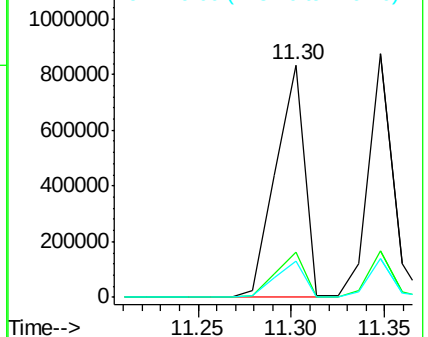
#70
Phenanthrene
Concen: 44.53 ng
RT: 11.30 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF088733.D
Acq: 6 Jul 2016 12:27

Instrument :
BNA_F
ClientSampleId :
PB91761BS

Tot Ion:178 Resp: 898139
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.6
179 15.5 13.0 19.4

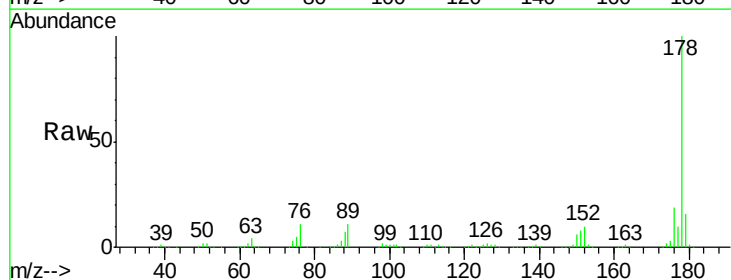


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

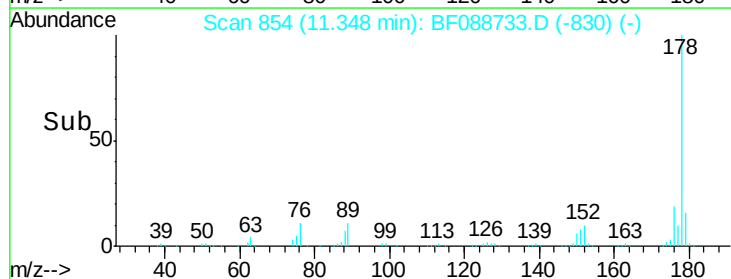
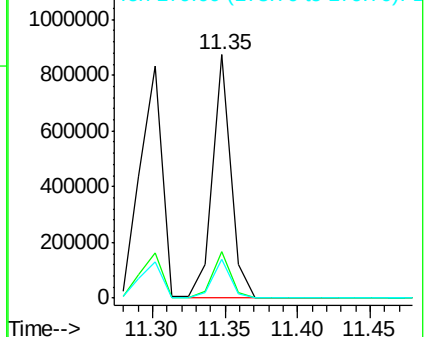


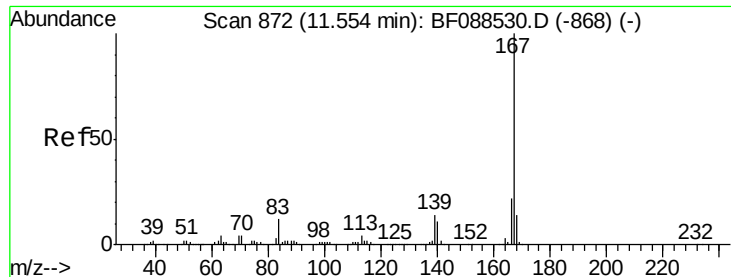
#71
Anthracene
Concen: 38.37 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.02 min
Lab File: BF088733.D
Acq: 6 Jul 2016 12:27

Tgt Ion:178 Resp: 769558
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.9 12.8 19.2



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

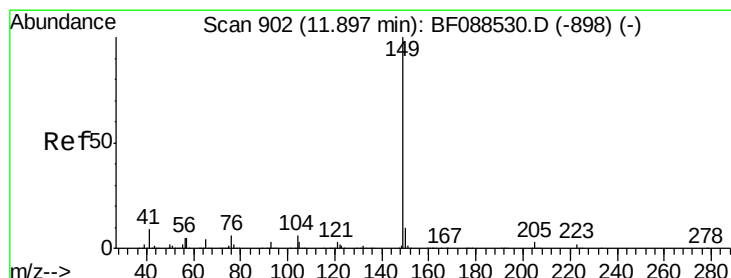
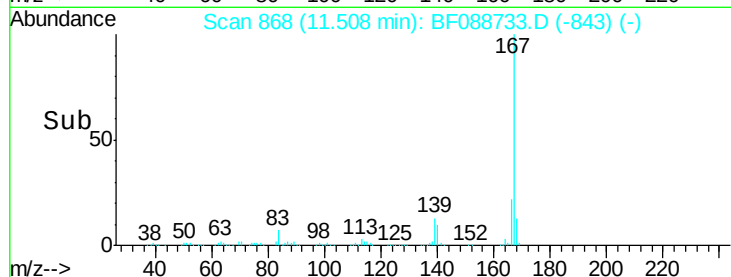
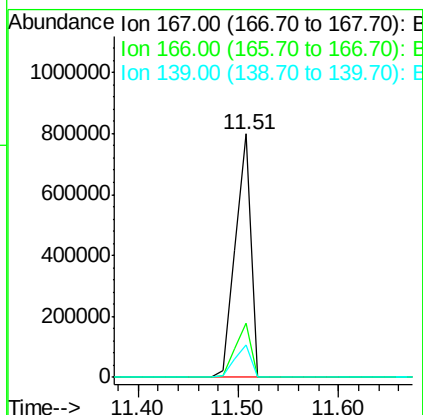
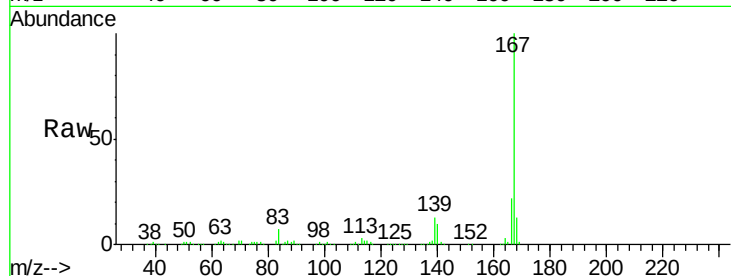




#72
 Carbazole
 Concen: 45.30 ng
 RT: 11.51 min Scan# 868
 Delta R.T. -0.01 min
 Lab File: BF088733.D
 Acq: 6 Jul 2016 12:27

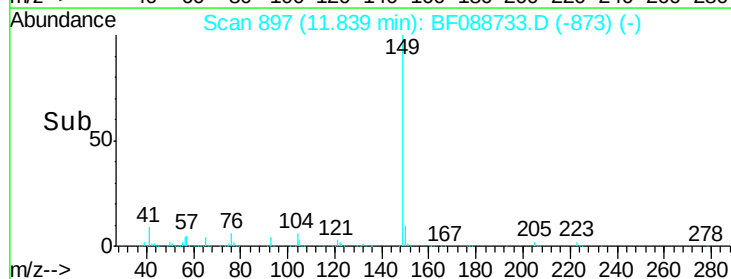
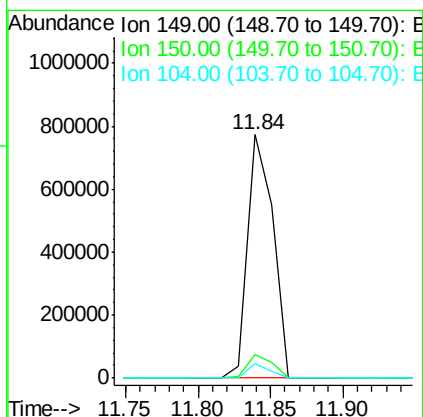
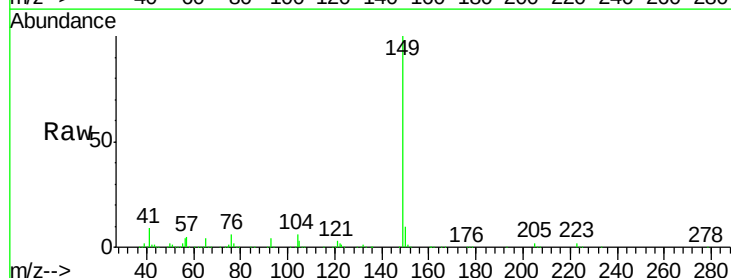
Instrument :
 BNA_F
 ClientSampleId :
 PB91761BS

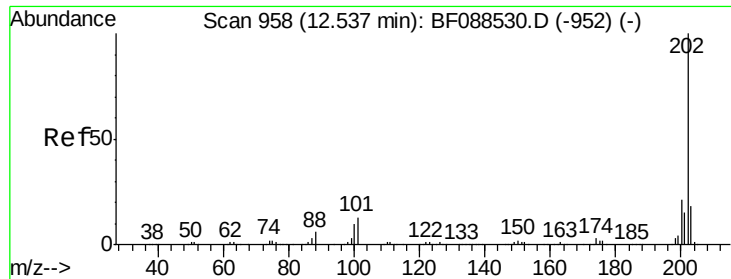
Tot Ion:167 Resp: 855053
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.8 26.6
 139 13.4 11.2 16.8



#73
 Di-n-butylphthalate
 Concen: 42.73 ng
 RT: 11.84 min Scan# 897
 Delta R.T. -0.02 min
 Lab File: BF088733.D
 Acq: 6 Jul 2016 12:27

Tgt Ion:149 Resp: 938220
 Ion Ratio Lower Upper
 149 100
 150 9.6 7.8 11.6
 104 6.0 4.0 6.0#

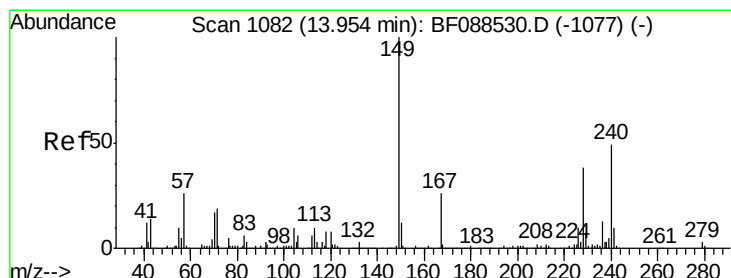
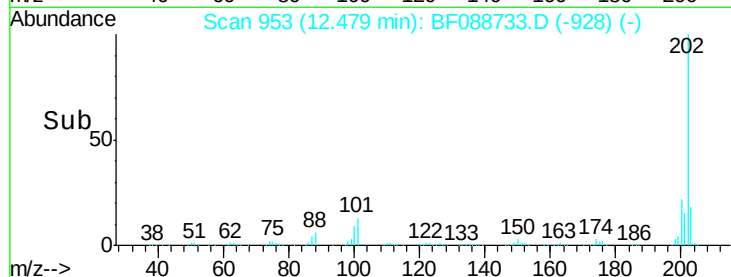
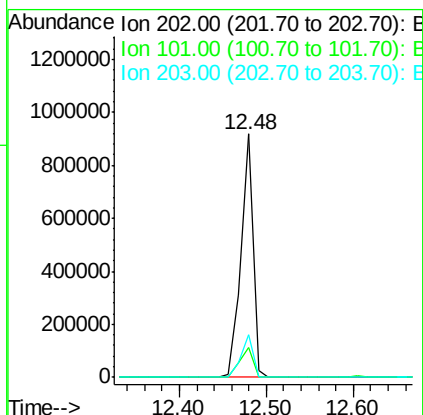
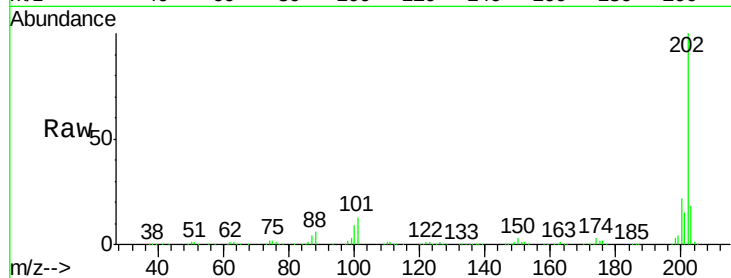




#74
 Fluoranthene
 Concen: 42.57 ng
 RT: 12.48 min Scan# 953
 Delta R.T. -0.01 min
 Lab File: BF088733.D
 Acq: 6 Jul 2016 12:27

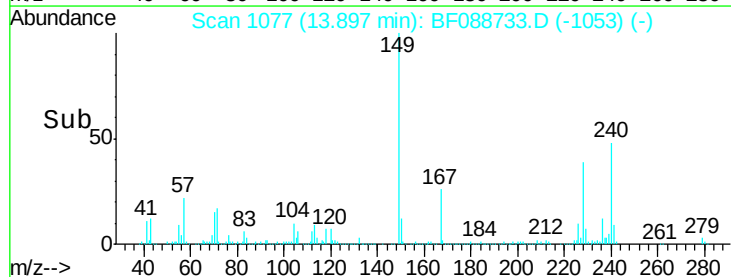
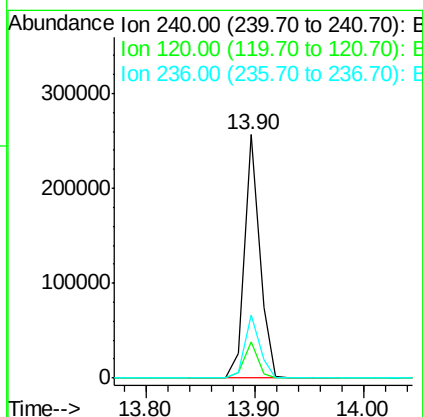
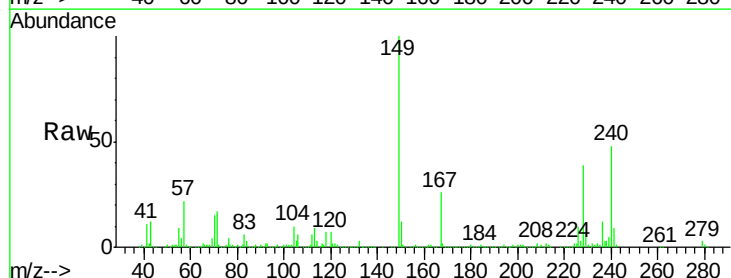
Instrument :
 BNA_F
 ClientSampleId :
 PB91761BS

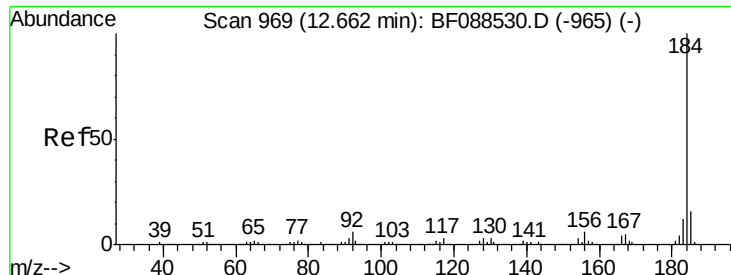
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.1
203	17.8	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.90 min Scan# 1077
 Delta R.T. -0.02 min
 Lab File: BF088733.D
 Acq: 6 Jul 2016 12:27

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.0	6.8	10.2#
236	25.9	20.2	30.2

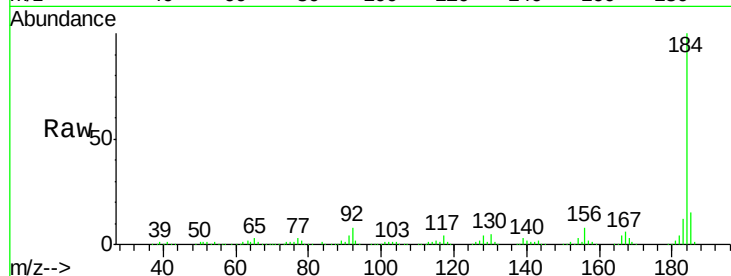




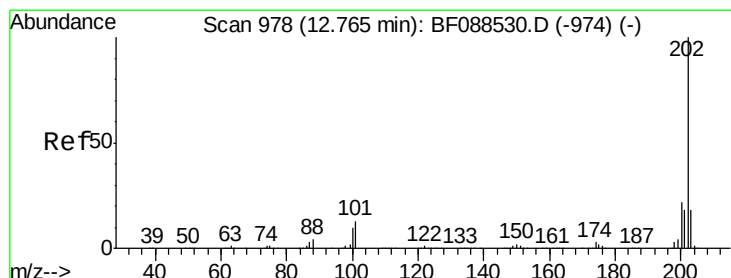
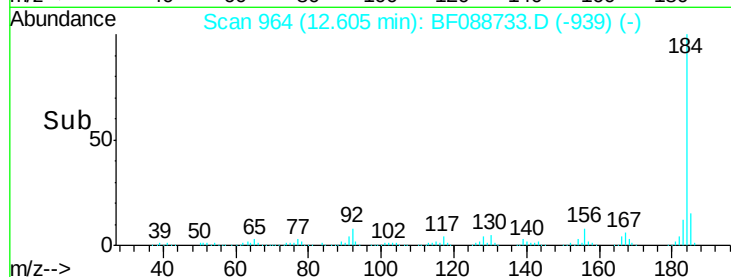
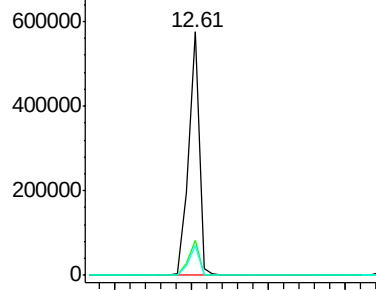
#76
Benzidine
Concen: 43.72 ng
RT: 12.61 min Scan# 964
Delta R.T. -0.01 min
Lab File: BF088733.D
Acq: 6 Jul 2016 12:27

Instrument :
BNA_F
ClientSampleId :
PB91761BS

Tot Ion:184 Resp: 547948
Ion Ratio Lower Upper
184 100
185 14.6 12.5 18.7
183 12.4 9.3 13.9

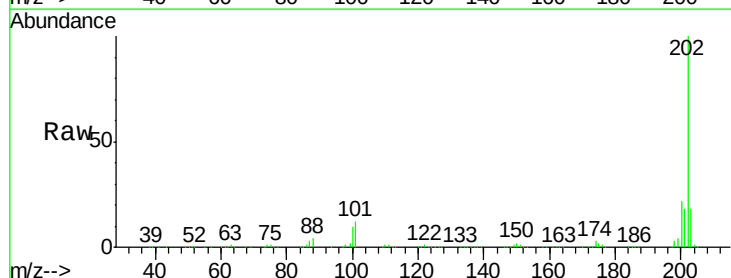


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

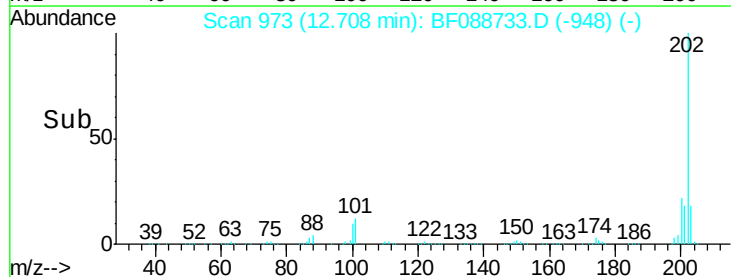
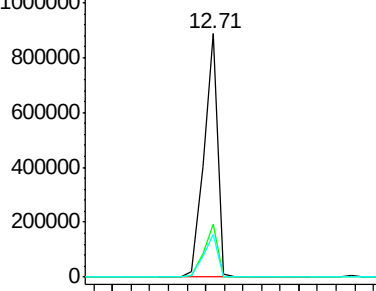


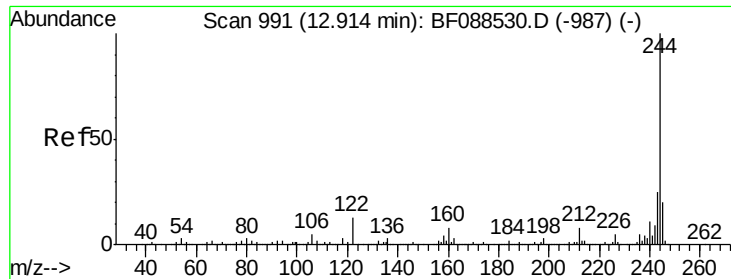
#77
Pyrene
Concen: 43.26 ng
RT: 12.71 min Scan# 973
Delta R.T. -0.01 min
Lab File: BF088733.D
Acq: 6 Jul 2016 12:27

Tgt Ion:202 Resp: 909414
Ion Ratio Lower Upper
202 100
200 21.8 17.4 26.2
203 17.7 14.5 21.7



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

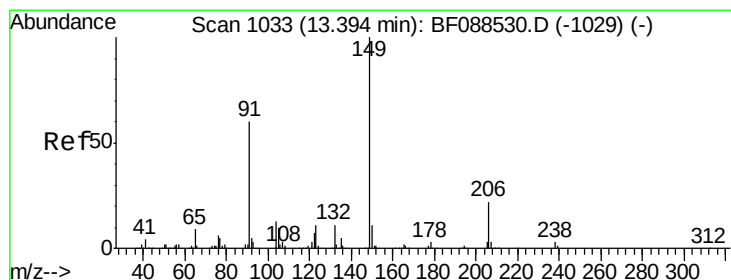
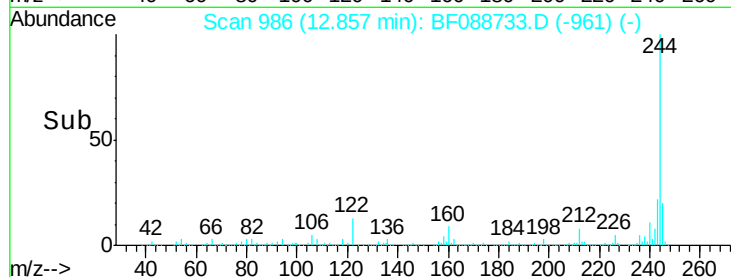
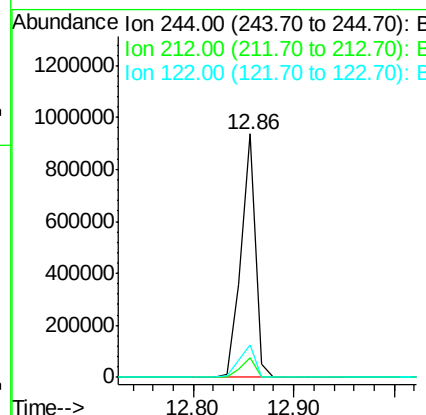
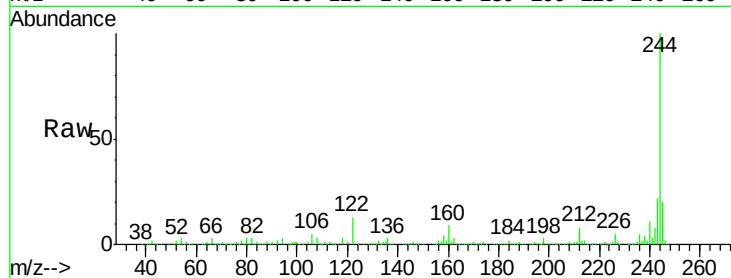




#78
 Terphenyl-d14
 Concen: 83.87 ng
 RT: 12.86 min Scan# 986
 Delta R.T. -0.01 min
 Lab File: BF088733.D
 Acq: 6 Jul 2016 12:27

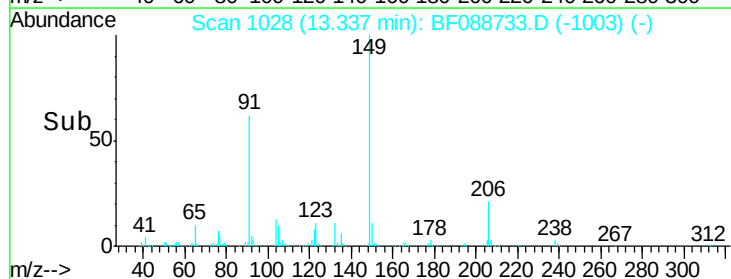
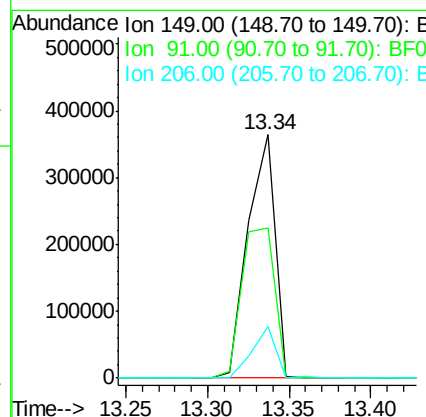
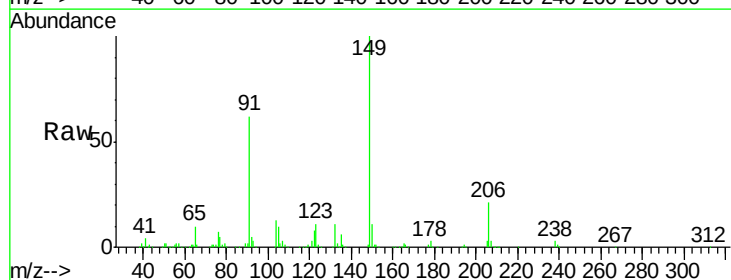
Instrument :
 BNA_F
 ClientSampleId :
 PB91761BS

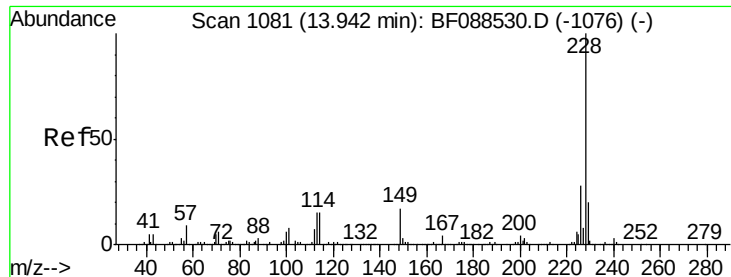
Tot Ion:244 Resp: 933607
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.0 9.0
 122 13.4 11.2 16.8



#79
 Butylbenzylphthalate
 Concen: 44.62 ng
 RT: 13.34 min Scan# 1028
 Delta R.T. -0.01 min
 Lab File: BF088733.D
 Acq: 6 Jul 2016 12:27

Tgt Ion:149 Resp: 418373
 Ion Ratio Lower Upper
 149 100
 91 61.7 48.0 72.0
 206 21.0 16.0 24.0





#80

Benzo(a)anthracene

Concen: 42.66 ng

RT: 13.89 min Scan# 1076

Delta R.T. -0.02 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

Instrument :

BNA_F

ClientSampleId :

PB91761BS

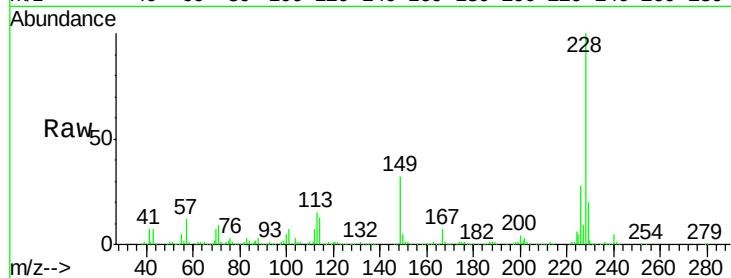
Tot Ion:228 Resp: 681015

Ion Ratio Lower Upper

228 100

226 28.0 22.3 33.5

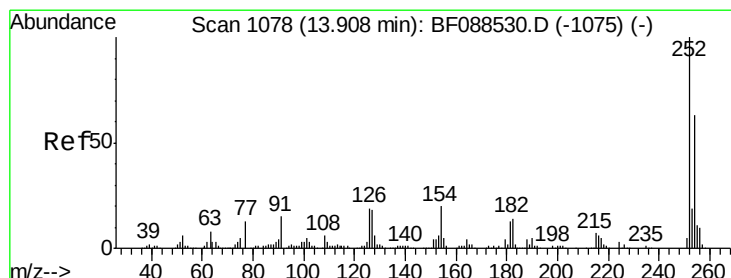
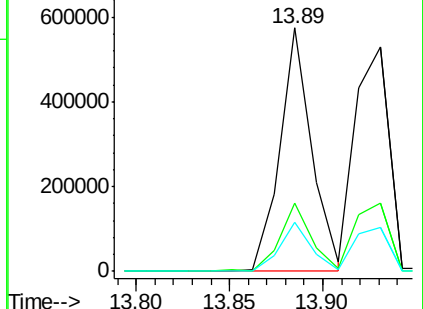
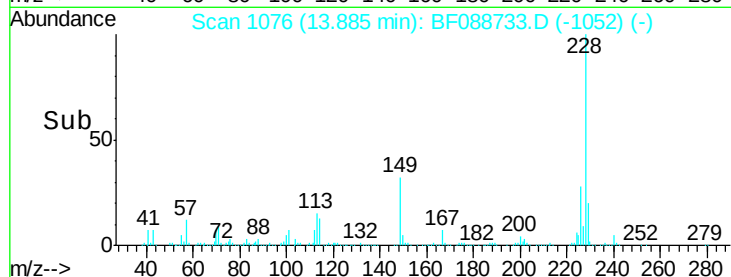
229 20.2 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 18.64 ng

RT: 13.85 min Scan# 1073

Delta R.T. -0.02 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

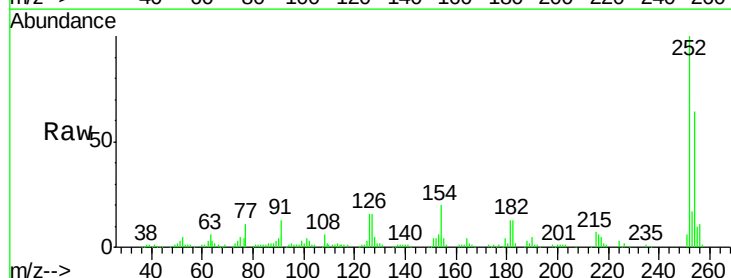
Tgt Ion:252 Resp: 111868

Ion Ratio Lower Upper

252 100

254 64.3 52.6 78.8

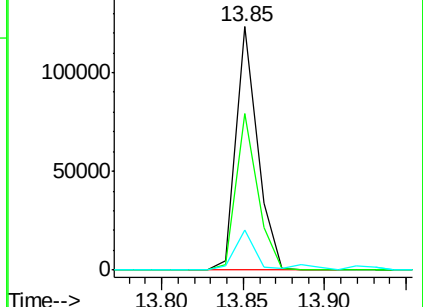
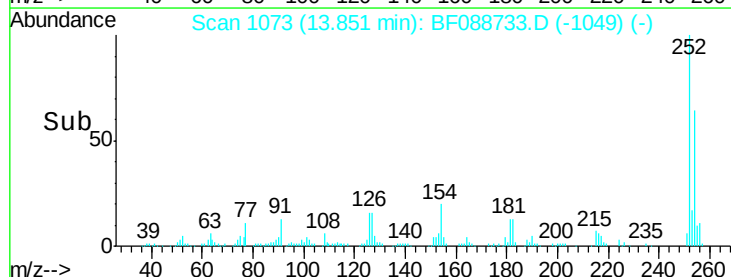
126 16.4 6.2 9.2#

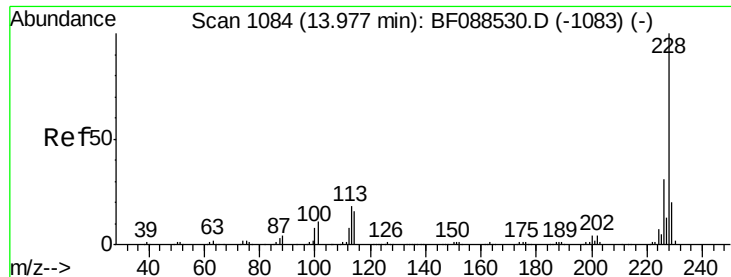


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

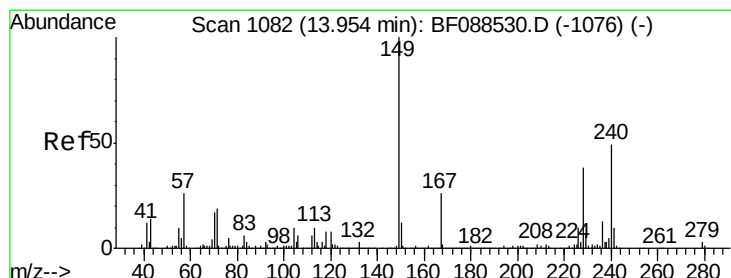
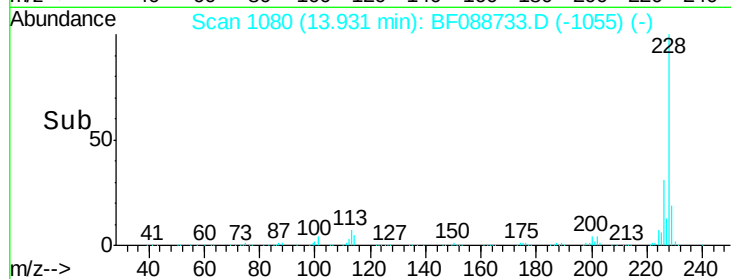
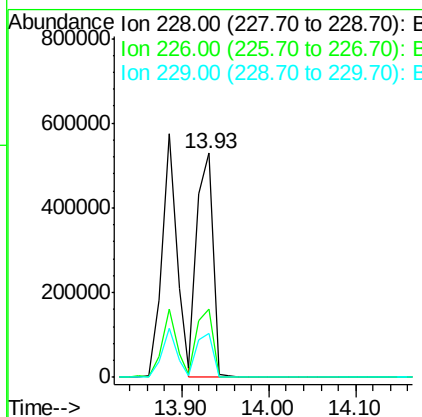
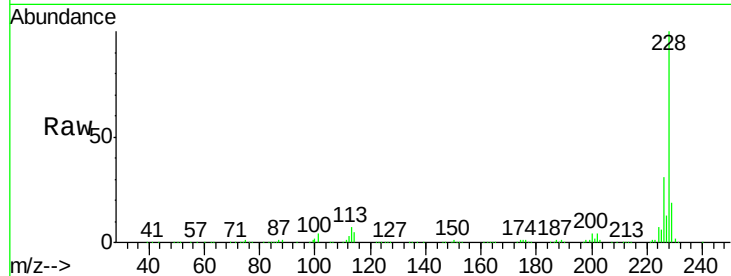




#82
 Chrysene
 Concen: 42.43 ng
 RT: 13.93 min Scan# 1080
 Delta R.T. -0.01 min
 Lab File: BF088733.D
 Acq: 6 Jul 2016 12:27

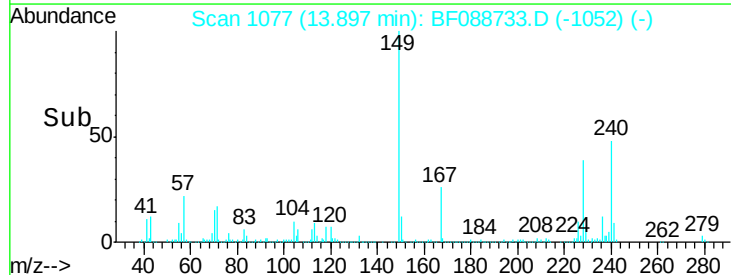
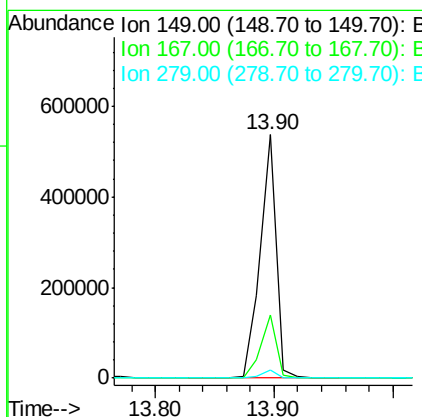
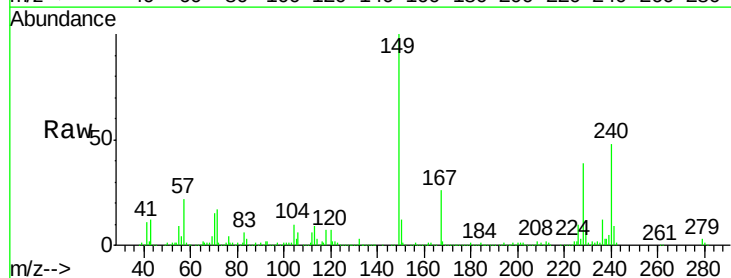
Instrument :
 BNA_F
 ClientSampleId :
 PB91761BS

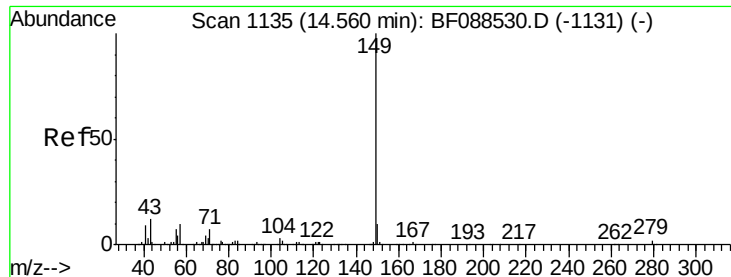
Tot Ion:228 Resp: 670158
 Ion Ratio Lower Upper
 228 100
 226 30.7 25.4 38.2
 229 19.5 16.3 24.5



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 47.69 ng
 RT: 13.90 min Scan# 1077
 Delta R.T. -0.01 min
 Lab File: BF088733.D
 Acq: 6 Jul 2016 12:27

Tgt Ion:149 Resp: 510590
 Ion Ratio Lower Upper
 149 100
 167 26.0 20.5 30.7
 279 3.4 2.0 3.0#





#84

Di-n-octyl phthalate

Concen: 44.77 ng

RT: 14.50 min Scan# 1130

Delta R.T. -0.01 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

Instrument :

BNA_F

ClientSampleId :

PB91761BS

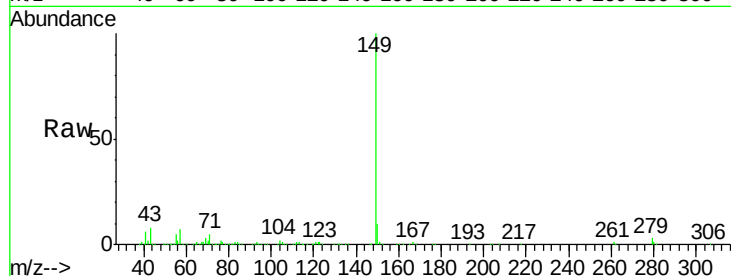
Tot Ion:149 Resp: 814302

Ion Ratio Lower Upper

149 100

167 1.5 0.0 0.0#

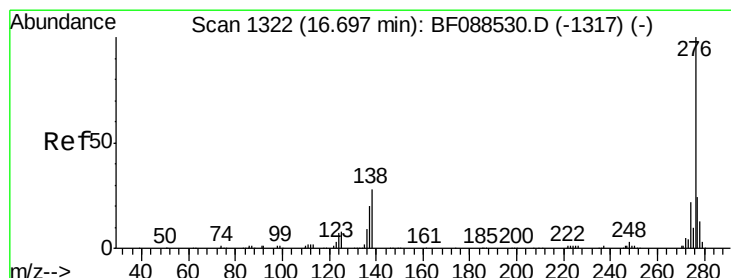
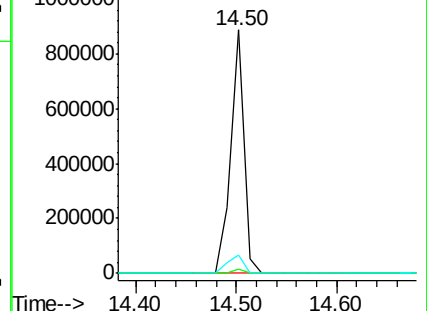
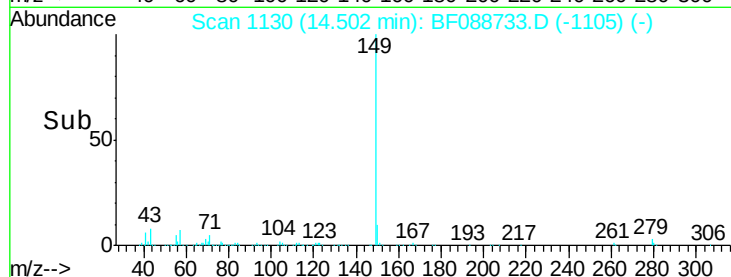
43 9.2 0.0 0.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 42.08 ng

RT: 16.61 min Scan# 1314

Delta R.T. -0.03 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

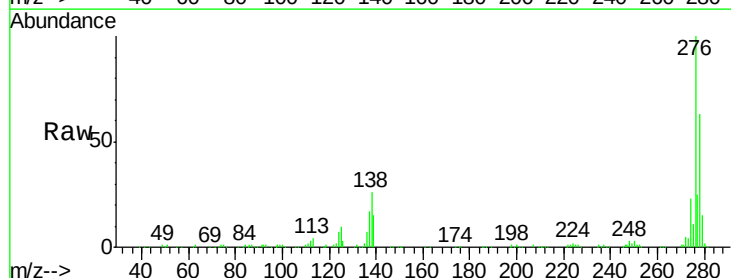
Tgt Ion:276 Resp: 511415

Ion Ratio Lower Upper

276 100

138 28.2 0.0 0.0#

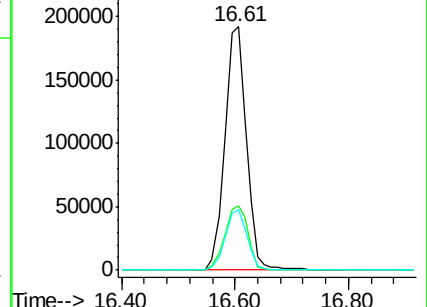
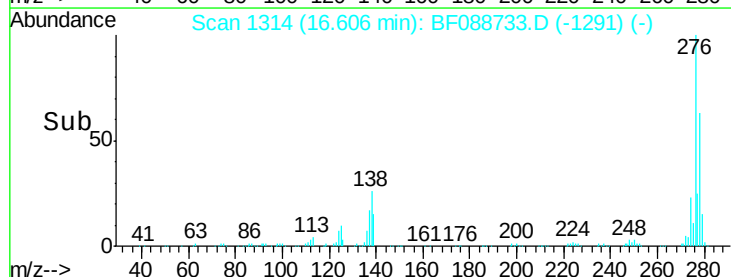
277 25.3 0.0 0.0#

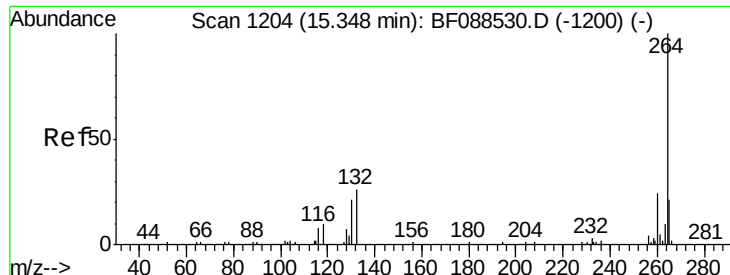


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

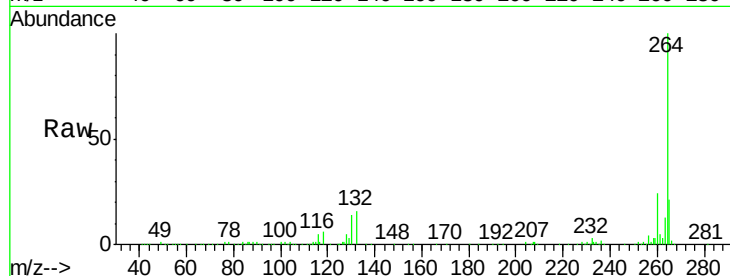




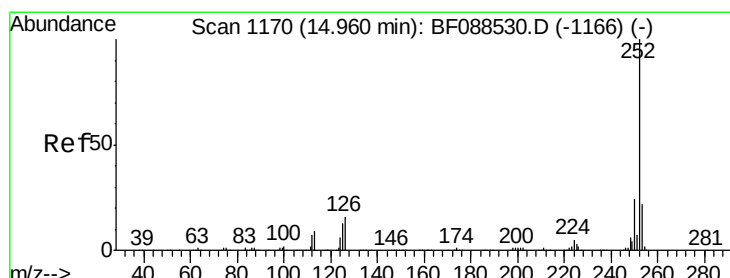
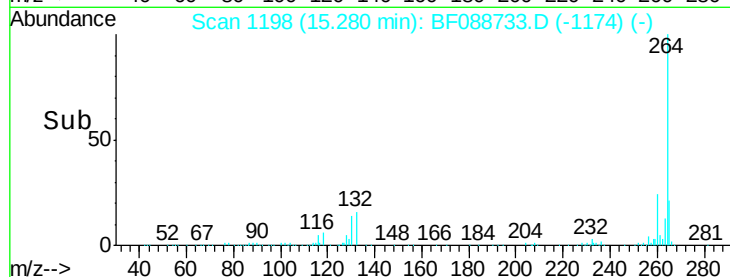
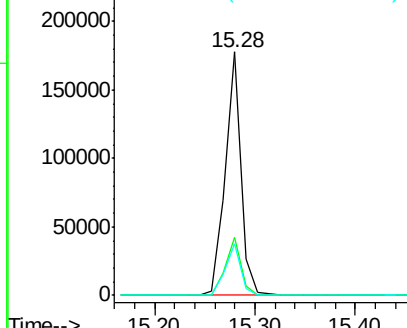
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 1198
Delta R.T. -0.02 min
Lab File: BF088733.D
Acq: 6 Jul 2016 12:27

Instrument :
BNA_F
ClientSampleId :
PB91761BS

Tot Ion:264 Resp: 193687
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 21.5 16.9 25.3

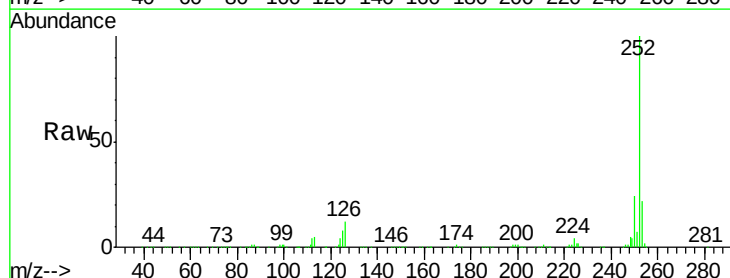


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

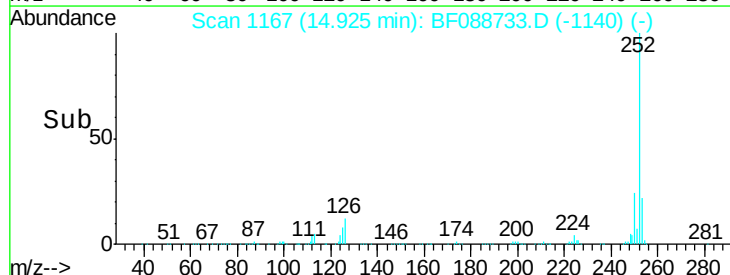
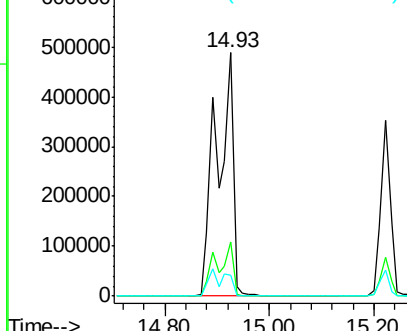


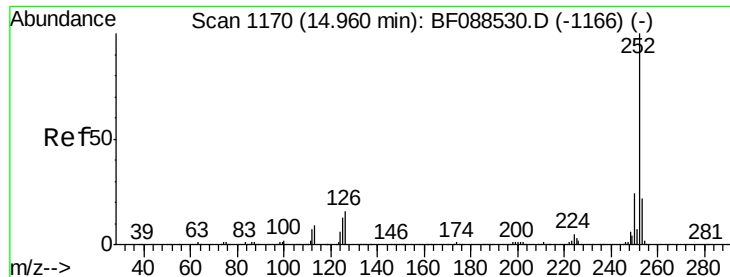
#87
Benzo(b)fluoranthene
Concen: 87.17 ng
RT: 14.93 min Scan# 1167
Delta R.T. 0.01 min
Lab File: BF088733.D
Acq: 6 Jul 2016 12:27

Tgt Ion:252 Resp: 1059132
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 8.4 7.1 10.7



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





#88

Benzo(k)fluoranthene

Concen: 100.13 ng

RT: 14.93 min Scan# 1167

Delta R.T. -0.02 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

Instrument :

BNA_F

ClientSampleId :

PB91761BS

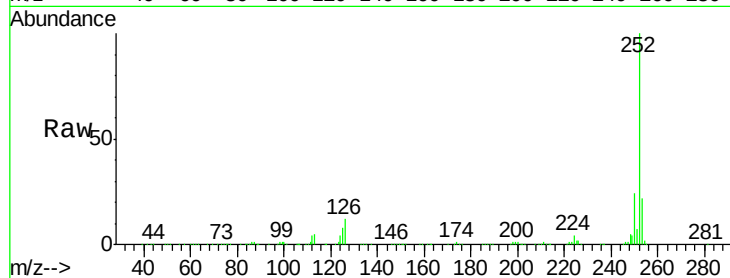
Tot Ion:252 Resp: 1059084

Ion Ratio Lower Upper

252 100

253 22.0 18.0 27.0

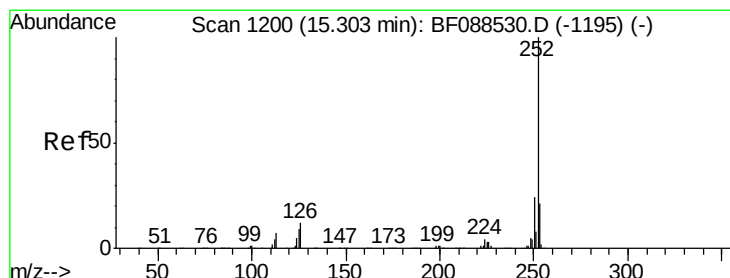
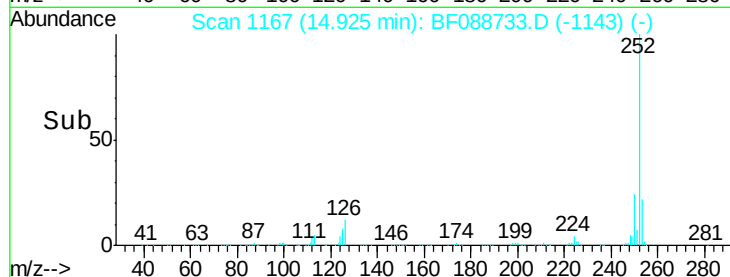
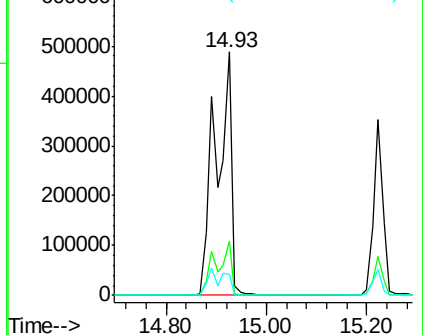
125 8.4 11.2 16.8#



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: 44.52 ng

RT: 15.22 min Scan# 1193

Delta R.T. -0.02 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

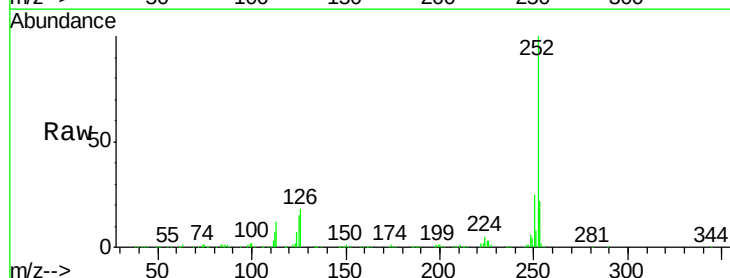
Tgt Ion:252 Resp: 457988

Ion Ratio Lower Upper

252 100

253 22.0 17.9 26.9

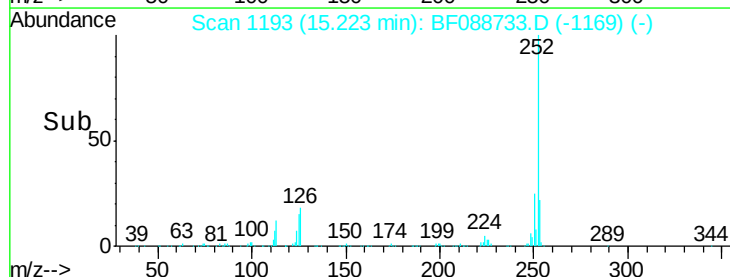
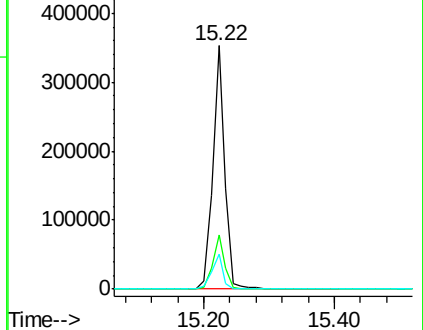
125 14.6 12.5 18.7

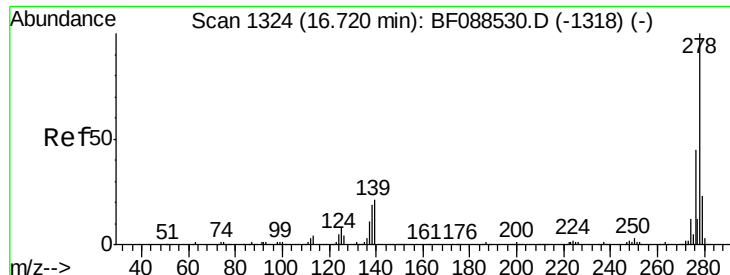


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 48.98 ng

RT: 16.62 min Scan# 1315

Delta R.T. -0.03 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

Instrument :

BNA_F

ClientSampleId :

PB91761BS

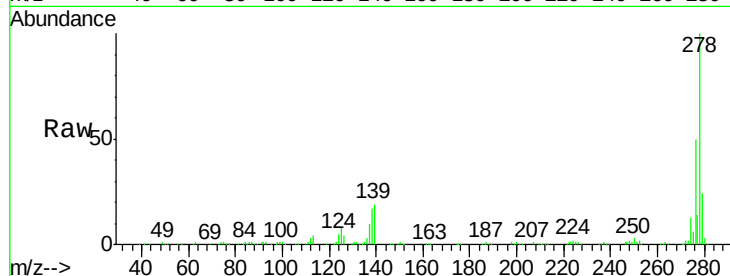
Tot Ion:278 Resp: 420764

Ion Ratio Lower Upper

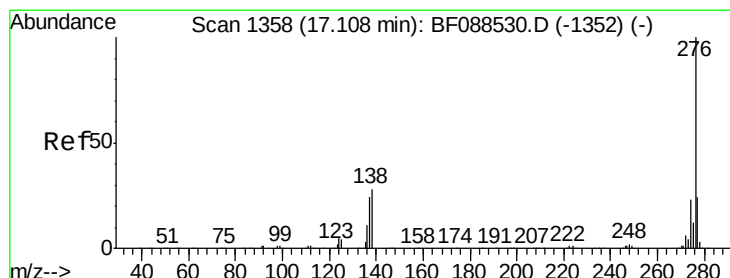
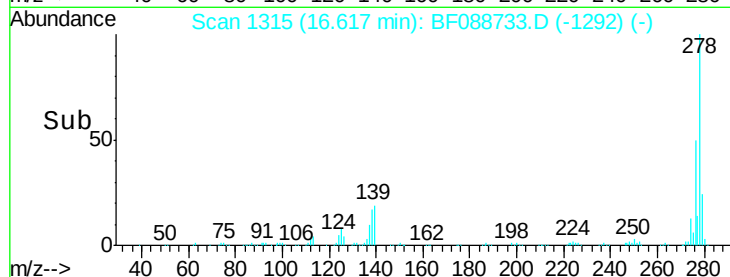
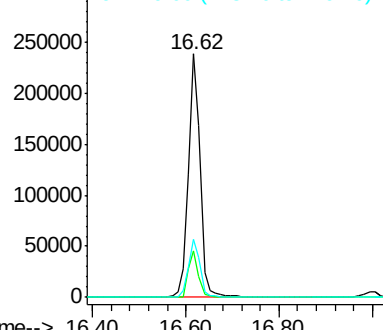
278 100

139 19.2 15.7 23.5

279 24.0 19.4 29.2



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



#91

Benzo(g,h,i)perylene

Concen: 49.21 ng

RT: 17.01 min Scan# 1349

Delta R.T. -0.03 min

Lab File: BF088733.D

Acq: 6 Jul 2016 12:27

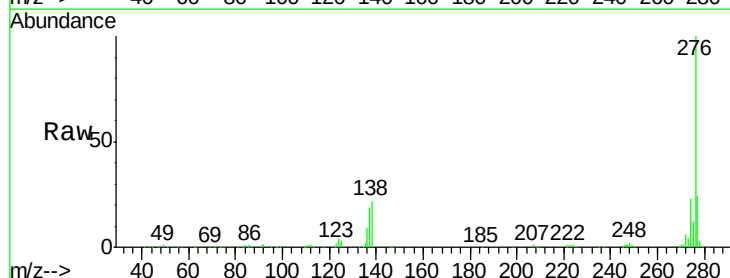
Tgt Ion:276 Resp: 437455

Ion Ratio Lower Upper

276 100

277 23.7 18.9 28.3

138 22.1 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

