

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070616\
 Data File : BF088771.D
 Acq On : 7 Jul 2016 9:10
 Operator : UM/SJ
 Sample : H3897-02MSD
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 07 14:16:08 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	90304	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	352991	20.00	ng	-0.03
38) Acenaphthene-d10	9.78	164	156108	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	261469	20.00	ng	-0.03
75) Chrysene-d12	13.89	240	176227	20.00	ng	-0.03
86) Perylene-d12	15.27	264	174157	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	450140	74.71	ng	-0.02
7) Phenol-d6	6.39	99	524779	67.40	ng	-0.02
23) Nitrobenzene-d5	7.31	82	340277	50.52	ng	-0.03
41) 2,4,6-Tribromophenol	10.57	330	108635	74.94	ng	-0.03
44) 2-Fluorobiphenyl	9.12	172	610859	61.81	ng	-0.02
78) Terphenyl-d14	12.85	244	427038	53.97	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.32	88	48188	16.13	ng	# 23
3) Pyridine	2.99	79	116597	13.45	ng	89
4) n-Nitrosodimethylamine	2.94	42	58533	17.67	ng	86
6) Aniline	6.41	93	166091	14.64	ng	98
8) 2-Chlorophenol	6.54	128	148109	22.87	ng	87
9) Benzaldehyde	6.28	77	101002	19.15	ng	# 81
10) Phenol	6.40	94	187333	21.08	ng	# 69
11) bis(2-Chloroethyl)ether	6.49	93	149703	22.59	ng	85
12) 1,3-Dichlorobenzene	6.68	146	141727	19.89	ng	# 95
13) 1,4-Dichlorobenzene	6.76	146	145855	20.62	ng	95
14) 1,2-Dichlorobenzene	6.92	146	141760	21.41	ng	97
15) Benzyl Alcohol	6.89	79	125379	21.88	ng	92
16) 2,2'-oxybis(1-Chloropropan	7.04	45	171511	17.87	ng	89
17) 2-Methylphenol	7.02	107	129167	24.45	ng	97
18) Hexachloroethane	7.27	117	54791	20.03	ng	98
19) n-Nitroso-di-n-propylamine	7.16	70	102595	19.62	ng	93
20) 3+4-Methylphenols	7.16	107	147174	23.21	ng	# 76
22) Acetophenone	7.16	105	217740	25.41	ng	# 90
24) Nitrobenzene	7.34	77	178343	26.26	ng	92
25) Isophorone	7.58	82	296807	23.79	ng	97
26) 2-Nitrophenol	7.66	139	72968	26.20	ng	# 80
27) 2,4-Dimethylphenol	7.69	122	124896	21.53	ng	# 86
28) bis(2-Chloroethoxy)methane	7.79	93	200327	24.67	ng	# 96
29) 2,4-Dichlorophenol	7.90	162	117391	25.04	ng	95
30) 1,2,4-Trichlorobenzene	7.98	180	118193	22.97	ng	99
31) Naphthalene	8.06	128	429305	24.67	ng	99
32) Benzoic acid	7.77	122	16510	3.92	ng	97
33) 4-Chloroaniline	8.10	127	102694	13.26	ng	94
34) Hexachlorobutadiene	8.18	225	70841	25.72	ng	99
35) Caprolactam	8.46	113	31940	20.06	ng	92
36) 4-Chloro-3-methylphenol	8.59	107	136769	24.67	ng	95
37) 2-Methylnaphthalene	8.75	142	263818	23.54	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.91	216	113856	21.93	ng	# 1
40) Hexachlorocyclopentadiene	8.90	237	52421	20.57	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 2,4,6-Trichlorophenol	9.03	196	81945	23.94	nq	98
43) 2,4,5-Trichlorophenol	9.06	196	68137	23.13	nq #	82
45) 1,1'-Biphenyl	9.21	154	317643	24.57	nq	99
46) 2-Chloronaphthalene	9.23	162	243837	24.03	nq	98
47) 2-Nitroaniline	9.32	65	72372	20.10	nq	95
48) Acenaphthylene	9.64	152	384025	23.78	nq	99
49) Dimethylphthalate	9.52	163	434089	39.03	nq	98
50) 2,6-Dinitrotoluene	9.58	165	68273	27.70	nq #	85
51) Acenaphthene	9.82	154	219427	22.17	nq	98
52) 3-Nitroaniline	9.74	138	58168	18.56	nq	90
53) 2,4-Dinitrophenol	9.84	184	4679	4.30	nq	88
54) Dibenzofuran	9.99	168	327543	25.28	nq #	88
55) 4-Nitrophenol	9.91	139	120769	50.72	nq #	74
56) 2,4-Dinitrotoluene	9.98	165	88654	27.51	nq	92
57) Fluorene	10.33	166	267224	26.77	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.11	232	50436	22.13	nq #	53
59) Diethylphthalate	10.22	149	315413	28.26	nq	100
60) 4-Chlorophenyl-phenylether	10.33	204	122350	26.38	nq	90
61) 4-Nitroaniline	10.34	138	53994	17.91	nq	84
62) Azobenzene	10.48	77	315726	24.80	nq	91
64) 4,6-Dinitro-2-methylphenol	10.38	198	7408	5.30	nq	84
65) n-Nitrosodiphenylamine	10.44	169	239829	27.10	nq	100
66) 4-Bromophenyl-phenylether	10.81	248	65886	25.00	nq #	74
67) Hexachlorobenzene	10.88	284	75771	25.98	nq #	80
68) Atrazine	10.97	200	65583	23.78	nq	92
69) Pentachlorophenol	11.07	266	60880	35.27	nq	99
70) Phenanthrene	11.29	178	335472	23.47	nq	97
71) Anthracene	11.34	178	358293	25.21	nq	99
72) Carbazole	11.48	167	299558	22.39	nq	98
73) Di-n-butylphthalate	11.84	149	426553	27.41	nq #	97
74) Fluoranthene	12.47	202	318122	21.95	nq	95
76) Benzidine	12.59	184	258500	29.02	nq	98
77) Pyrene	12.70	202	294663	19.72	nq	97
79) Butylbenzylphthalate	13.33	149	147584	22.14	nq	98
80) Benzo(a)anthracene	13.87	228	260093	22.92	nq	98
81) 3,3'-Dichlorobenzidine	13.84	252	82423	19.32	nq #	96
82) Chrysene	13.91	228	220399	19.63	nq	98
83) Bis(2-ethylhexyl)phthalate	13.89	149	213647	28.08	nq	100
84) Di-n-octyl phthalate	14.49	149	331648	25.66	nq #	100
85) Indeno(1,2,3-cd)pyrene	16.58	276	215524	24.95	nq #	100
87) Benzo(b)fluoranthene	14.88	252	461503	42.24	nq #	98
88) Benzo(k)fluoranthene	14.88	252	461503	48.52	nq	97
89) Benzo(a)pyrene	15.21	252	218789	23.65	nq #	95
90) Dibenzo(a,h)anthracene	16.59	278	182529	23.63	nq	98
91) Benzo(g,h,i)perylene	16.97	276	169491	21.21	nq	97

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

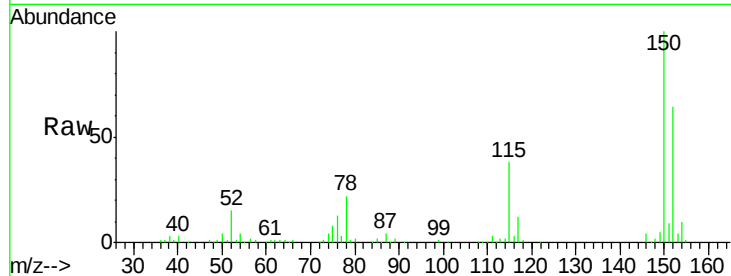


#1

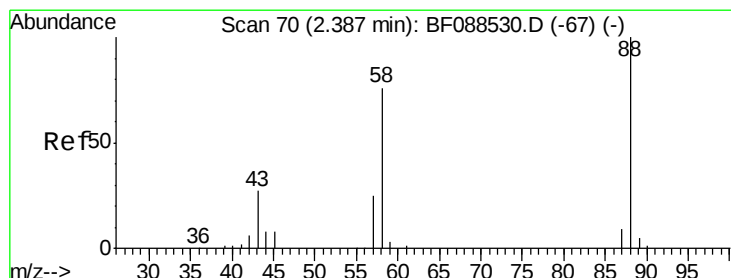
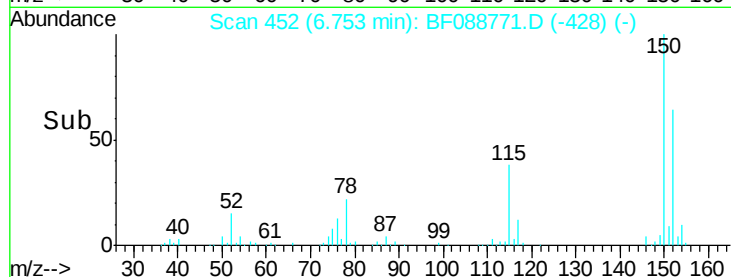
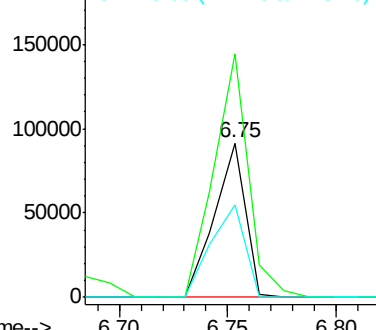
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 452
Delta R.T. -0.02 min
Lab File: BF088771.D
Acq: 7 Jul 2016 9:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	123.8	185.6
115	59.6	39.6	59.4



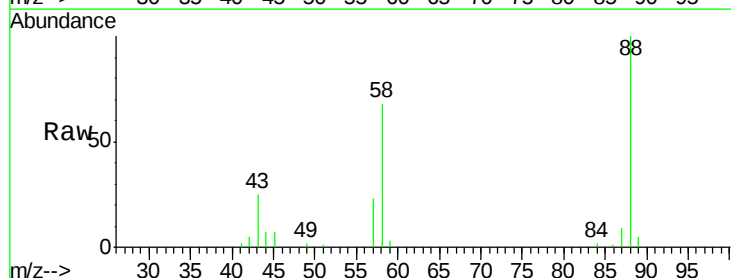
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



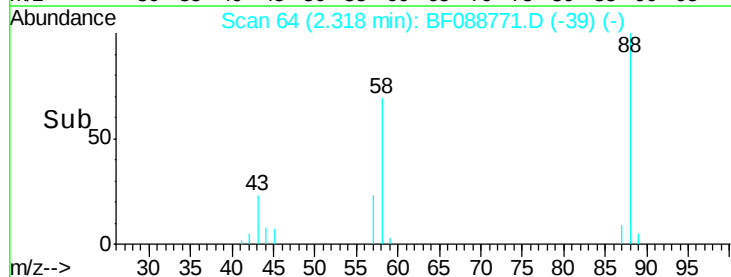
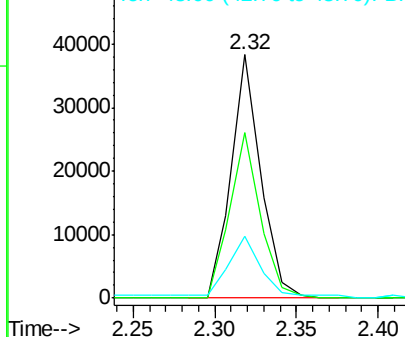
#2

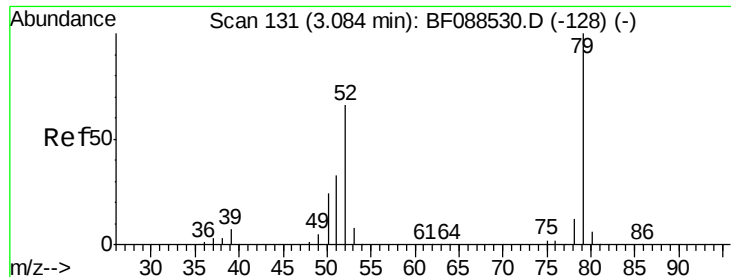
1,4-Dioxane
Concen: 16.13 ng
RT: 2.32 min Scan# 64
Delta R.T. -0.01 min
Lab File: BF088771.D
Acq: 7 Jul 2016 9:10

Tgt Ion	Ratio	Lower	Upper
88	100		
58	69.7	0.0	0.0#
43	29.5	3.4	5.2#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 13.45 ng

RT: 2.99 min Scan# 123

Delta R.T. -0.01 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

Instrument :

BNA_F

ClientSampleId :

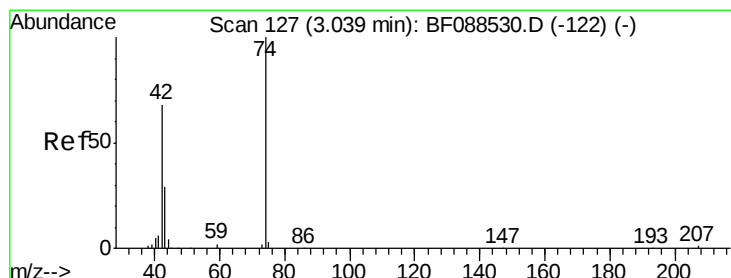
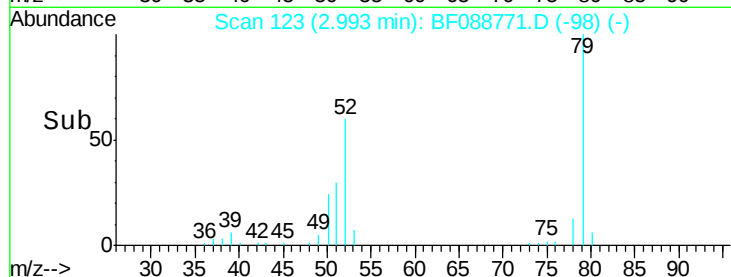
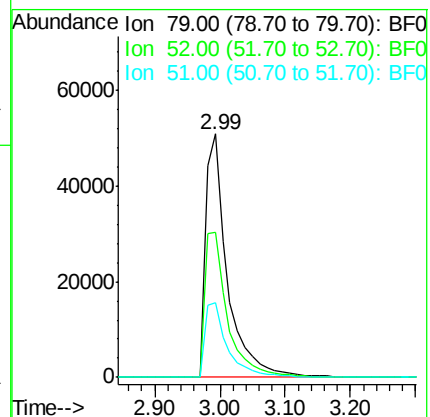
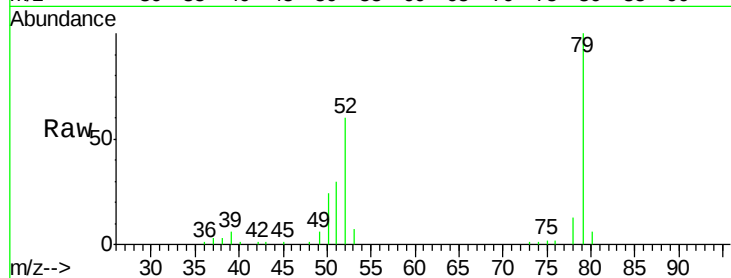
Tot Ion: 79 Resp: 116597

Ion Ratio Lower Upper

79 100

52 59.8 56.3 84.5

51 30.4 27.4 41.2



#4

n-Nitrosodimethylamine

Concen: 17.67 ng

RT: 2.94 min Scan# 118

Delta R.T. -0.03 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

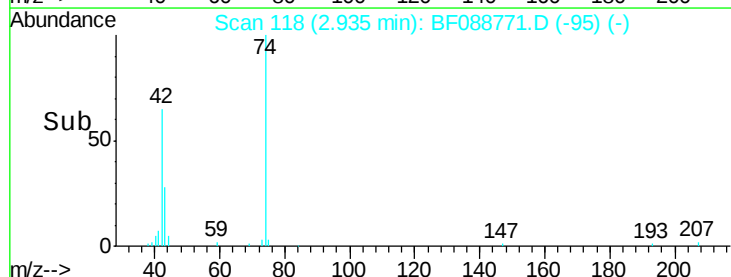
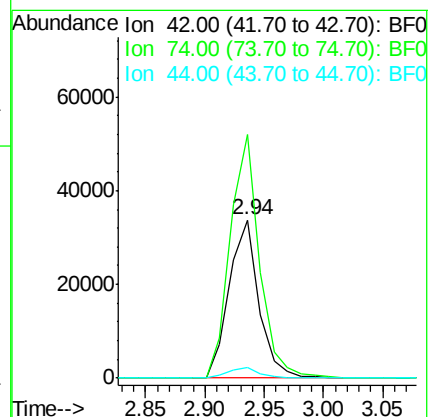
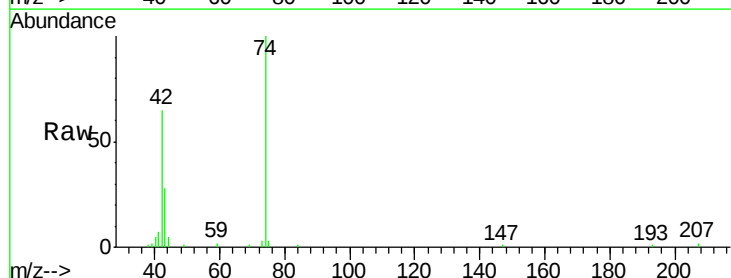
Tgt Ion: 42 Resp: 58533

Ion Ratio Lower Upper

42 100

74 153.6 108.6 163.0

44 6.9 5.5 8.3





#5

2-Fluorophenol

Concen: 74.71 ng

RT: 5.35 min Scan# 329

Delta R.T. -0.02 min

Lab File: BF088771.D

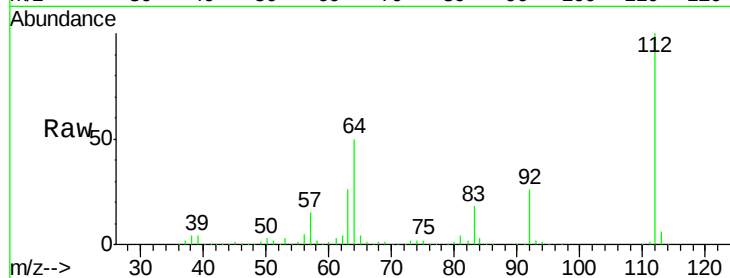
Acq: 7 Jul 2016 9:10

Instrument :

BNA_F

ClientSampled :

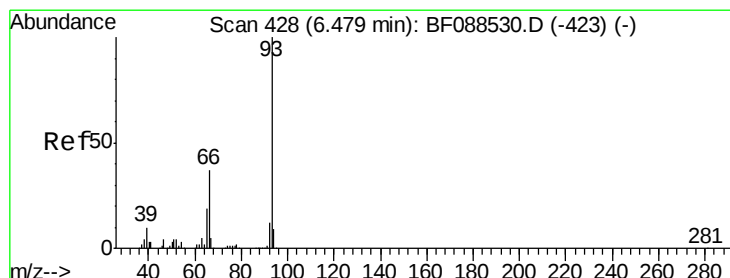
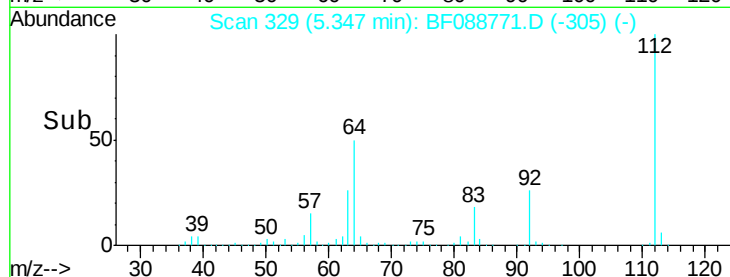
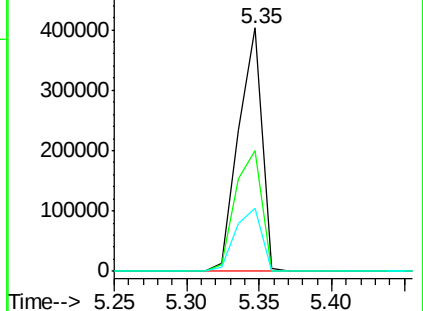
Tot Ion:	112	Resp:	450140
Ion	Ratio	Lower	Upper
112	100		
64	49.8	42.2	63.2
63	26.2	21.8	32.8



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 14.64 ng

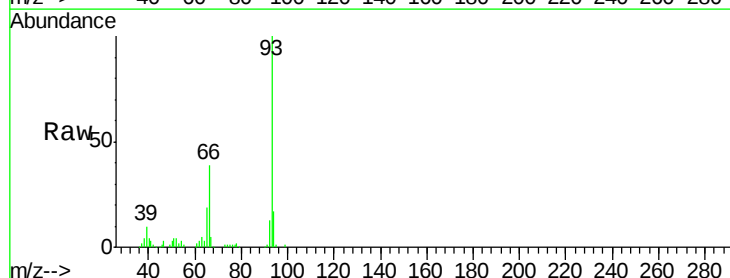
RT: 6.41 min Scan# 422

Delta R.T. -0.02 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

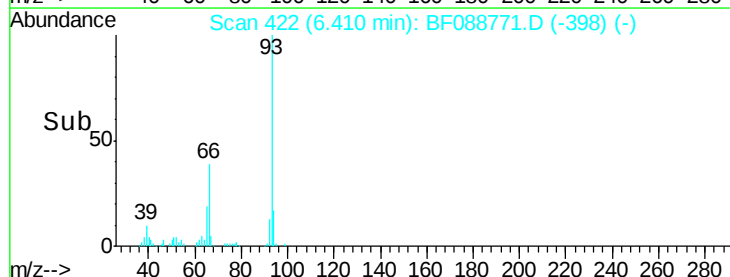
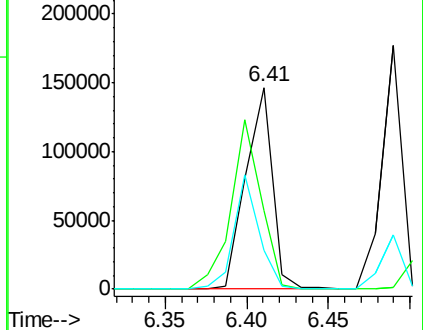
Tgt Ion:	93	Resp:	166091
Ion	Ratio	Lower	Upper
93	100		
66	39.2	29.8	44.8
65	19.0	14.9	22.3



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 67.40 ng

RT: 6.39 min Scan# 420

Delta R.T. -0.02 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

Instrument :

BNA_F

ClientSampleId :

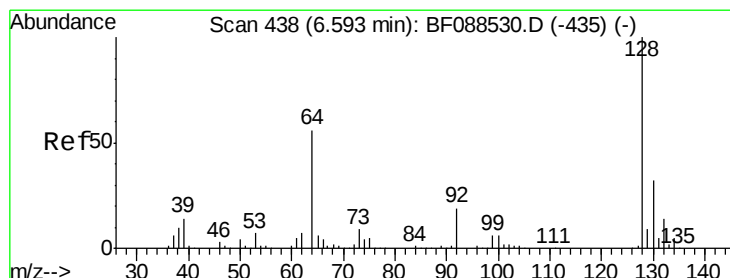
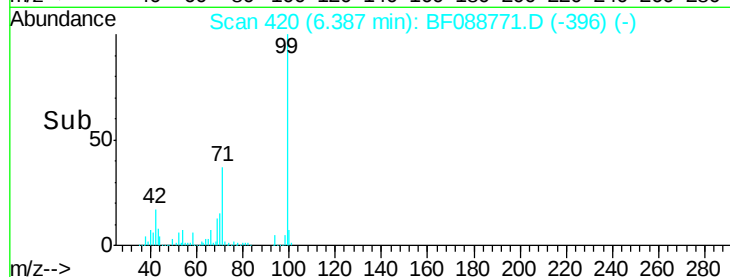
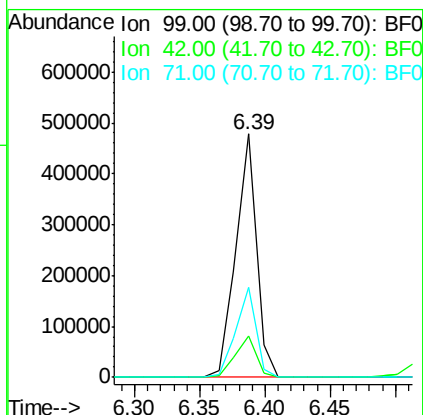
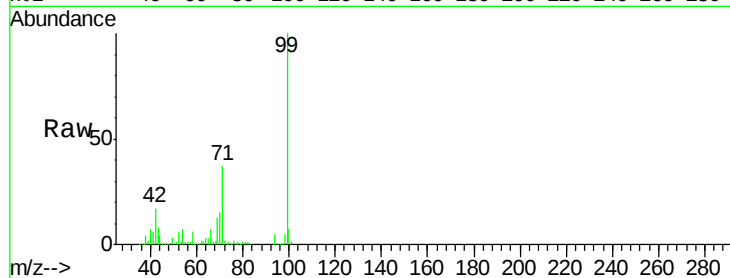
Tot Ion: 99 Resp: 524779

Ion Ratio Lower Upper

99 100

42 17.0 12.2 18.2

71 37.2 23.4 35.0#



#8

2-Chlorophenol

Concen: 22.87 ng

RT: 6.54 min Scan# 433

Delta R.T. -0.02 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

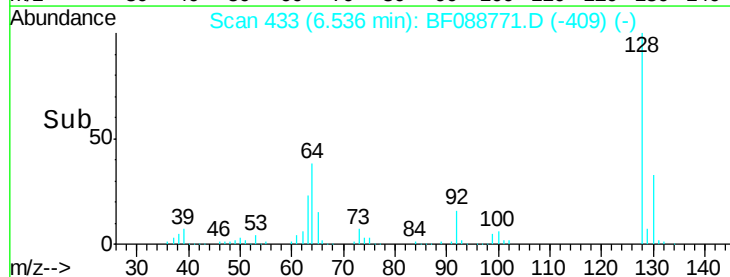
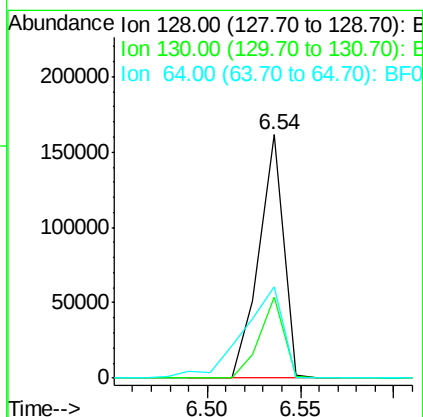
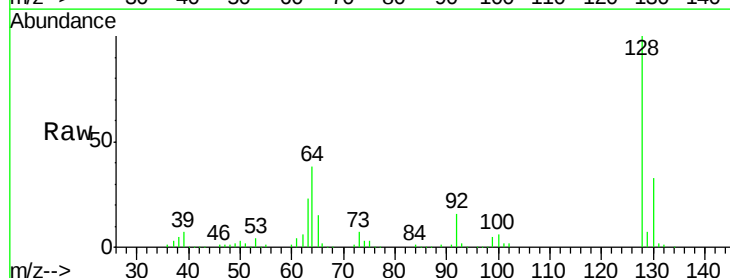
Tgt Ion:128 Resp: 148109

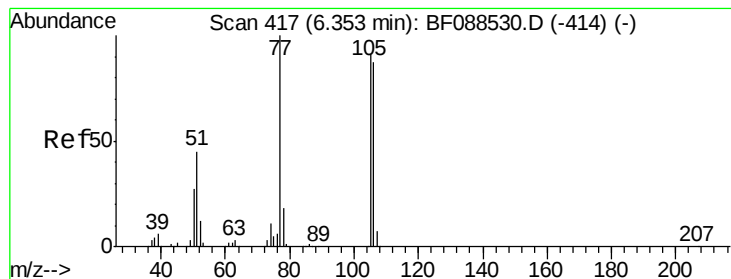
Ion Ratio Lower Upper

128 100

130 33.2 12.0 52.0

64 37.5 30.8 70.8





#9

Benzaldehyde

Concen: 19.15 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.03 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

Instrument :

BNA_F

ClientSampleId :

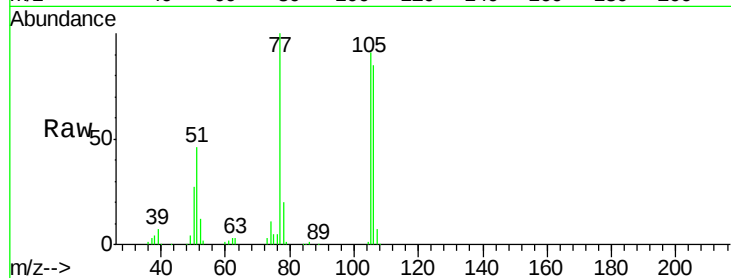
Tot Ion: 77 Resp: 101002

Ion Ratio Lower Upper

77 100

105 90.9 90.6 130.6

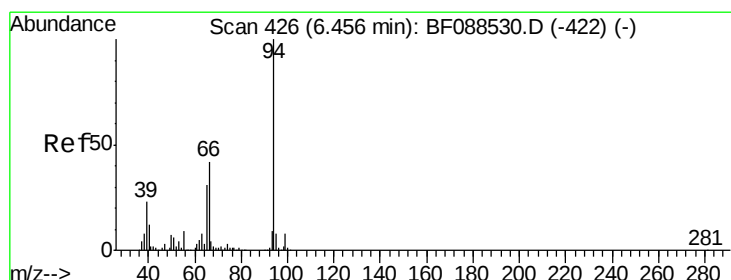
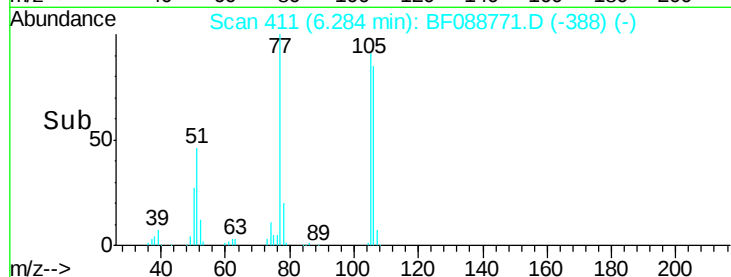
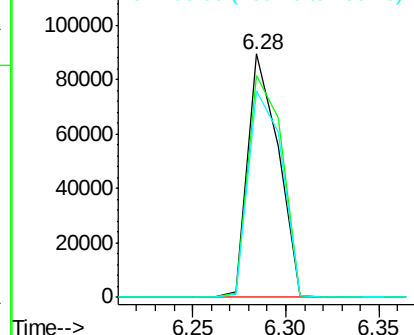
106 84.9 85.3 125.3#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 21.08 ng

RT: 6.40 min Scan# 421

Delta R.T. -0.03 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

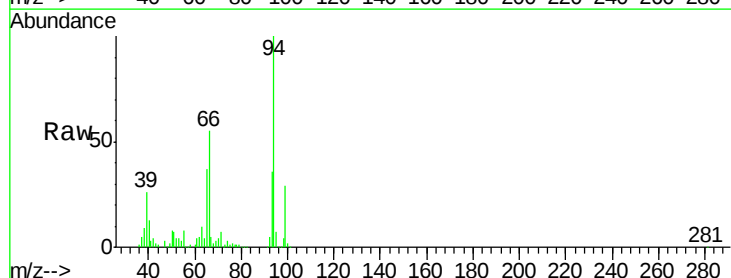
Tgt Ion: 94 Resp: 187333

Ion Ratio Lower Upper

94 100

65 37.4 5.9 45.9

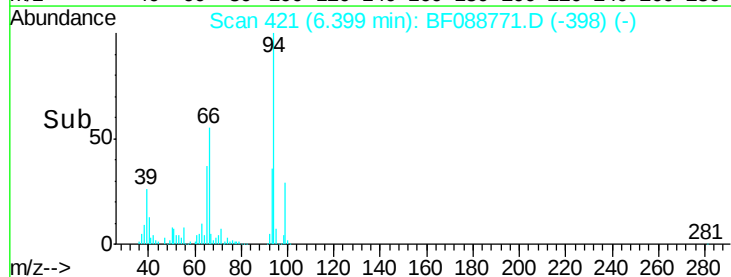
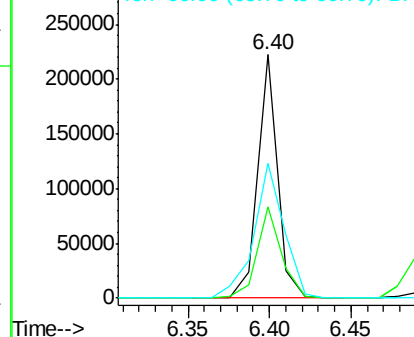
66 55.3 14.0 54.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

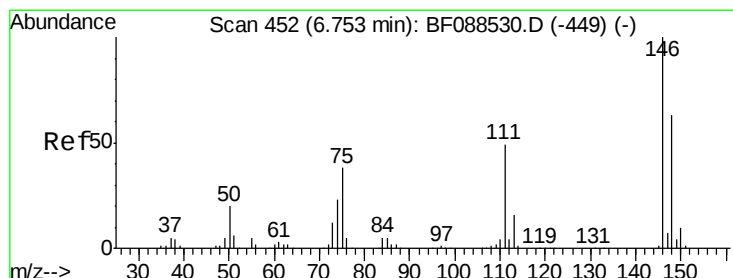
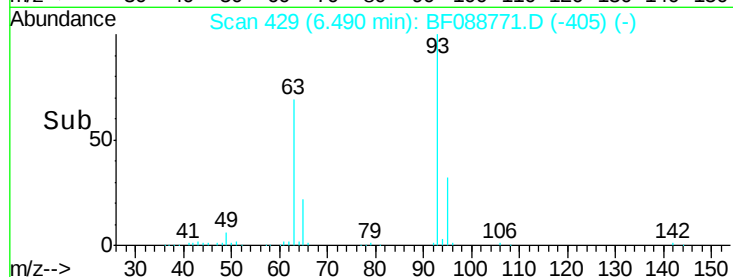
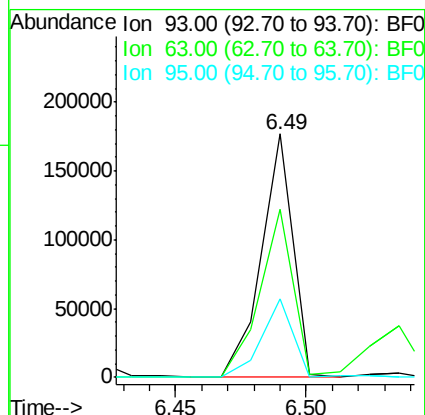
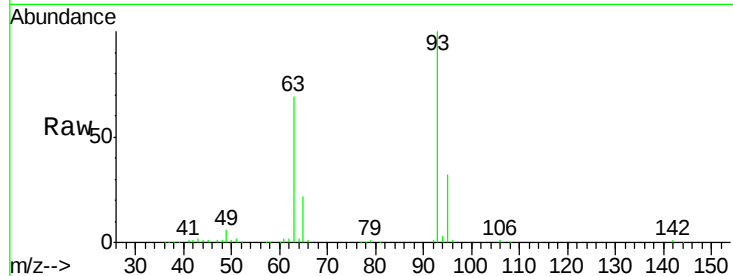




#11
bis(2-Chloroethyl)ether
Concen: 22.59 ng
RT: 6.49 min Scan# 429
Delta R.T. -0.02 min
Lab File: BF088771.D
Acq: 7 Jul 2016 9:10

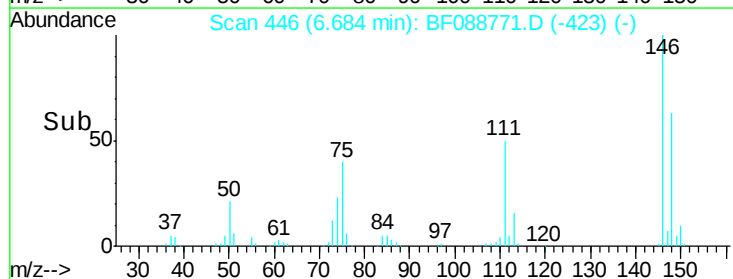
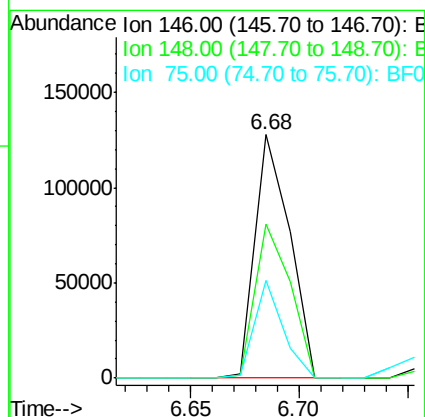
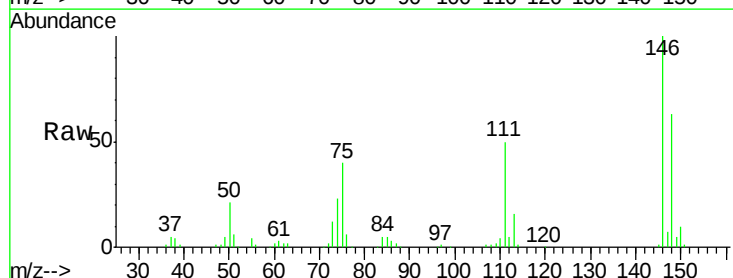
Instrument :
BNA_F
ClientSampleId :

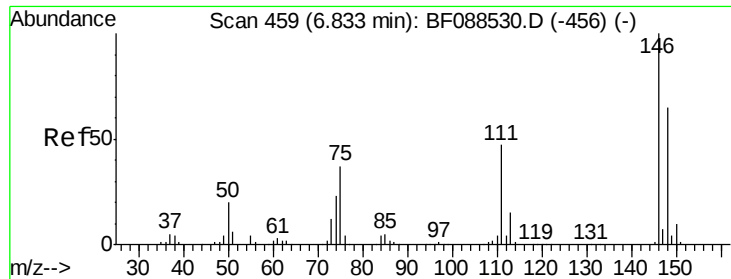
Tot Ion: 93 Resp: 149703
Ion Ratio Lower Upper
93 100
63 69.1 67.6 107.6
95 32.4 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 19.89 ng
RT: 6.68 min Scan# 446
Delta R.T. -0.03 min
Lab File: BF088771.D
Acq: 7 Jul 2016 9:10

Tgt Ion: 146 Resp: 141727
Ion Ratio Lower Upper
146 100
148 63.4 50.9 76.3
75 40.1 25.6 38.4#

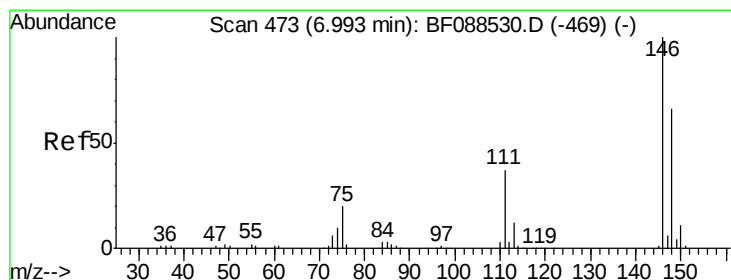
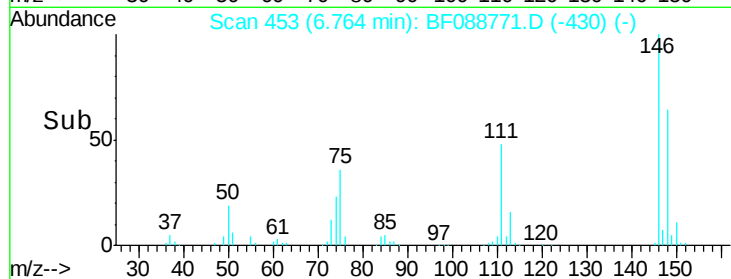
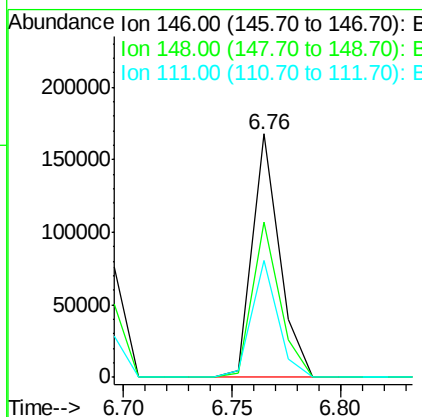
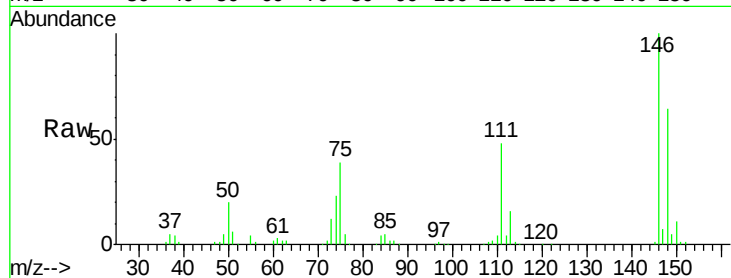




#13
 1,4-Dichlorobenzene
 Concen: 20.62 ng
 RT: 6.76 min Scan# 453
 Delta R.T. -0.03 min
 Lab File: BF088771.D
 Acq: 7 Jul 2016 9:10

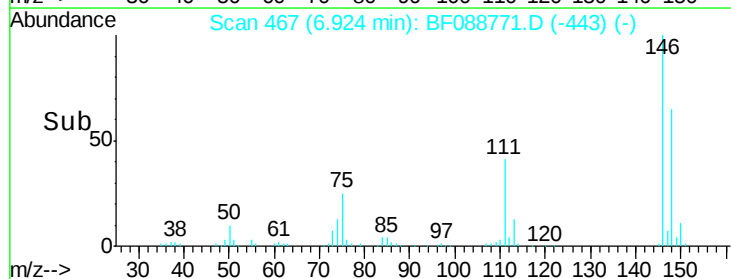
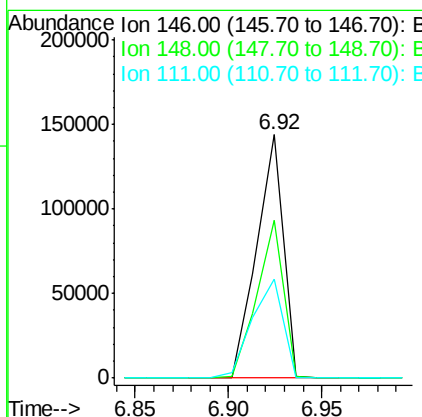
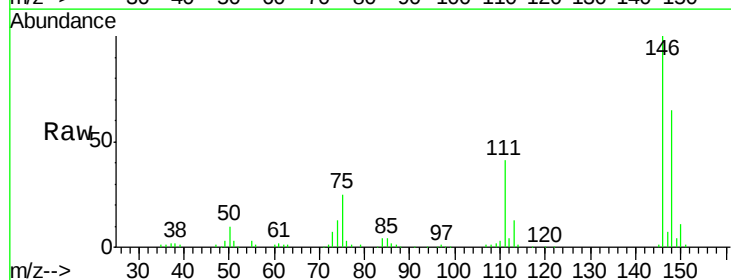
Instrument :
 BNA_F
 ClientSampleId :

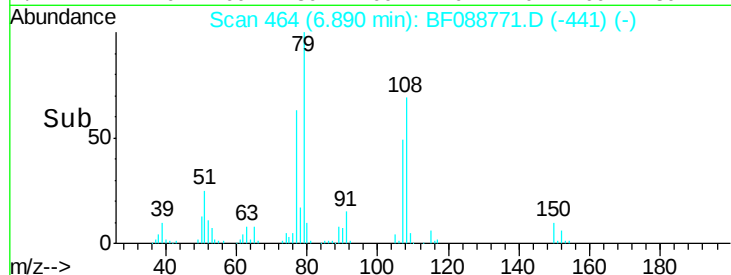
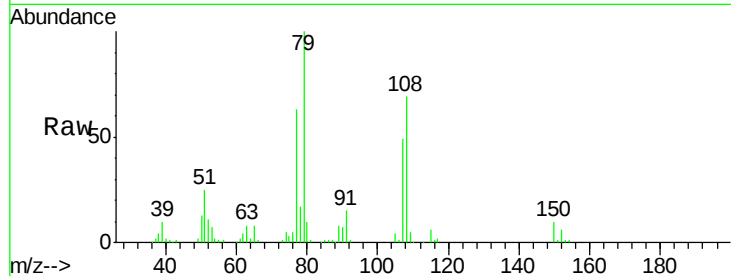
Tot Ion:146 Resp: 145855
 Ion Ratio Lower Upper
 146 100
 148 63.6 52.0 78.0
 111 48.2 33.8 50.8



#14
 1,2-Dichlorobenzene
 Concen: 21.41 ng
 RT: 6.92 min Scan# 467
 Delta R.T. -0.02 min
 Lab File: BF088771.D
 Acq: 7 Jul 2016 9:10

Tgt Ion:146 Resp: 141760
 Ion Ratio Lower Upper
 146 100
 148 65.0 52.3 78.5
 111 40.9 28.7 43.1

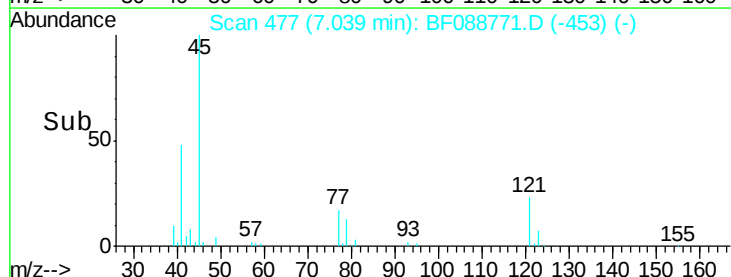
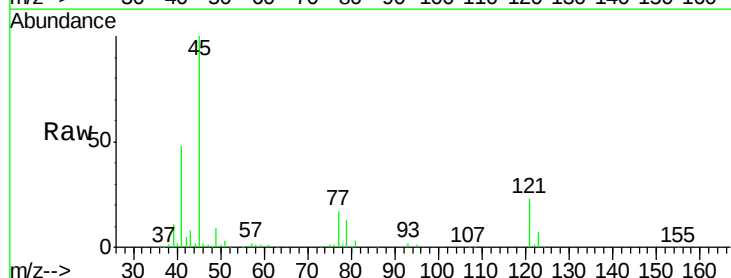
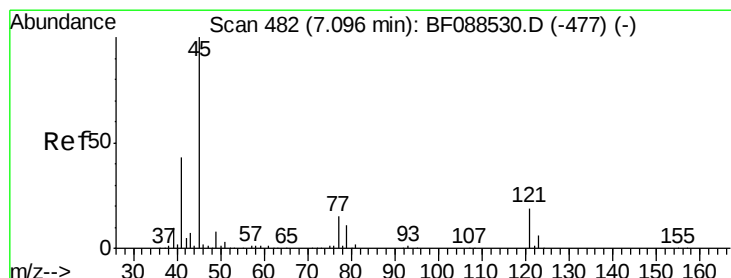
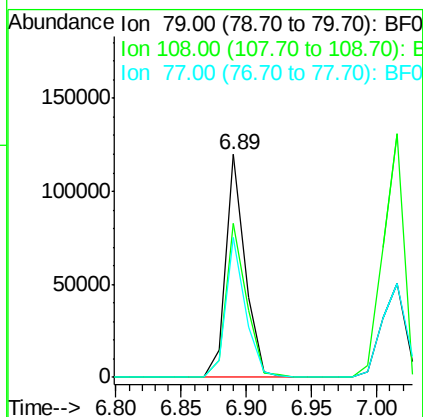




#15
Benzyl Alcohol
Concen: 21.88 ng
RT: 6.89 min Scan# 464
Delta R.T. -0.03 min
Lab File: BF088771.D
Acq: 7 Jul 2016 9:10

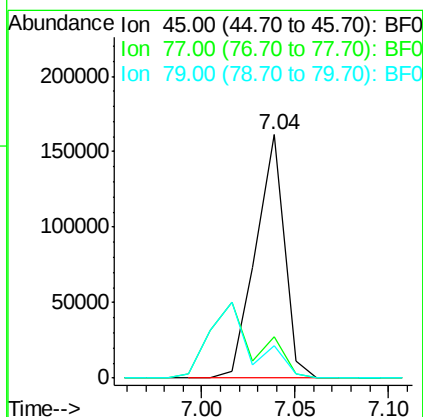
Instrument :
BNA_F
ClientSampleId :

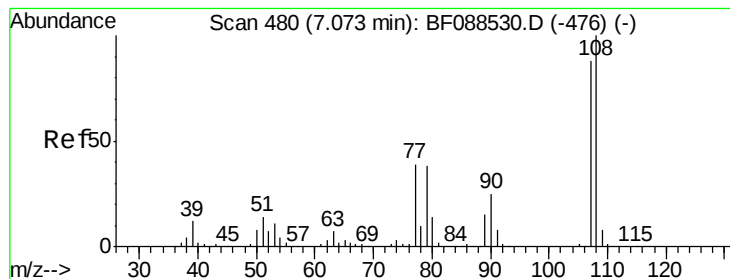
Tot Ion: 79 Resp: 125379
Ion Ratio Lower Upper
79 100
108 69.1 65.0 97.6
77 62.7 50.3 75.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 17.87 ng
RT: 7.04 min Scan# 477
Delta R.T. -0.02 min
Lab File: BF088771.D
Acq: 7 Jul 2016 9:10

Tgt Ion: 45 Resp: 171511
Ion Ratio Lower Upper
45 100
77 16.9 0.0 32.5
79 13.4 0.0 29.5





#17

2-Methylphenol

Concen: 24.45 ng

RT: 7.02 min Scan# 475

Delta R.T. -0.02 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 129167

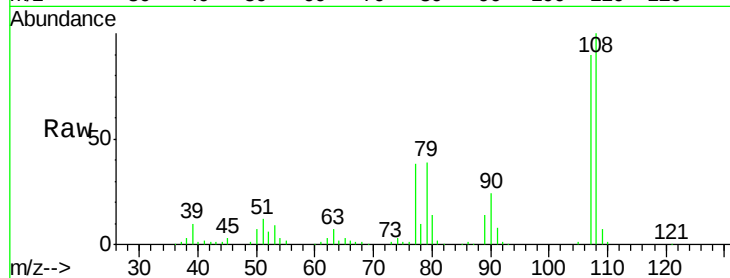
Ion Ratio Lower Upper

107 100

108 111.5 90.9 136.3

77 42.9 36.6 55.0

79 43.2 36.5 54.7

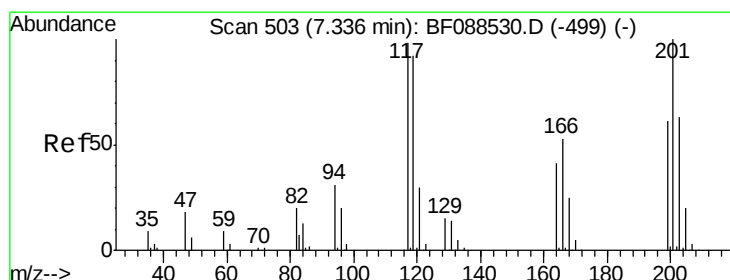
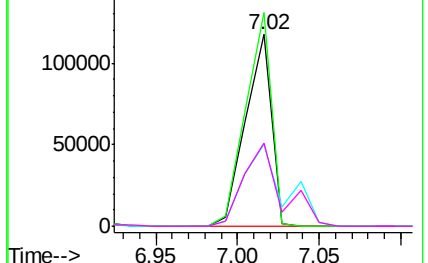
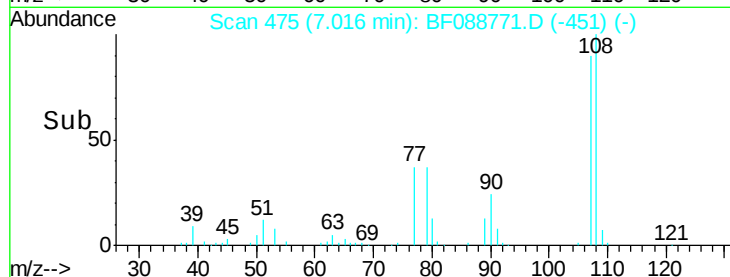


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 20.03 ng

RT: 7.27 min Scan# 497

Delta R.T. -0.02 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

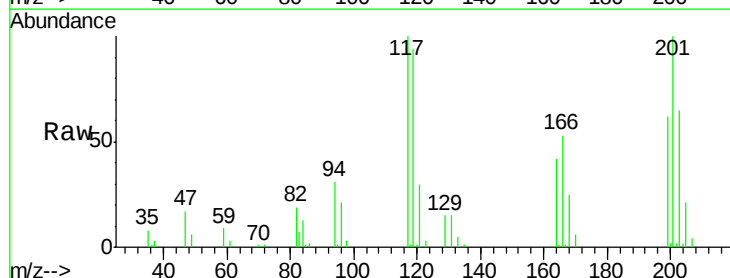
Tgt Ion:117 Resp: 54791

Ion Ratio Lower Upper

117 100

119 93.8 77.4 116.2

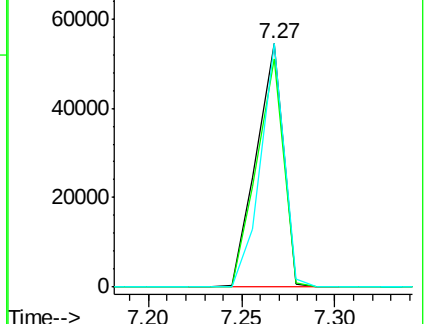
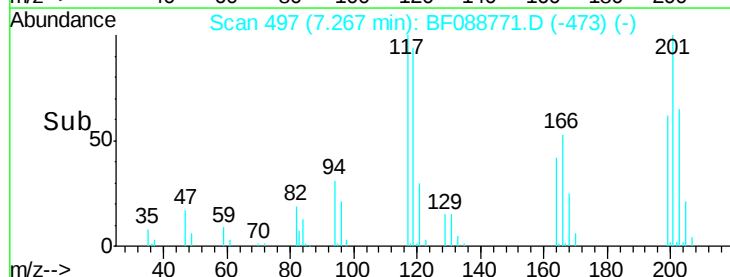
201 99.9 80.4 120.6

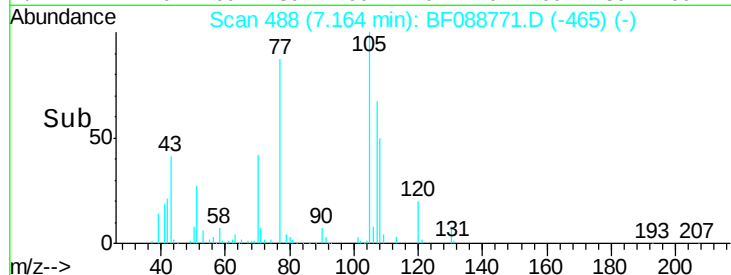
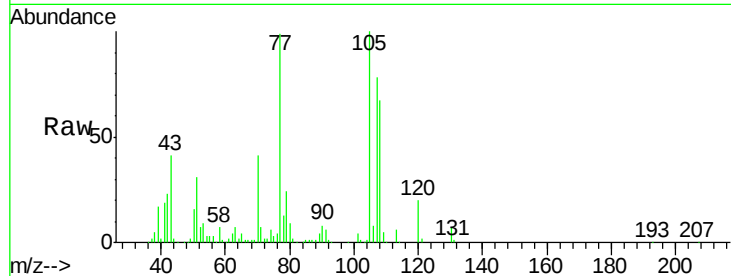


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

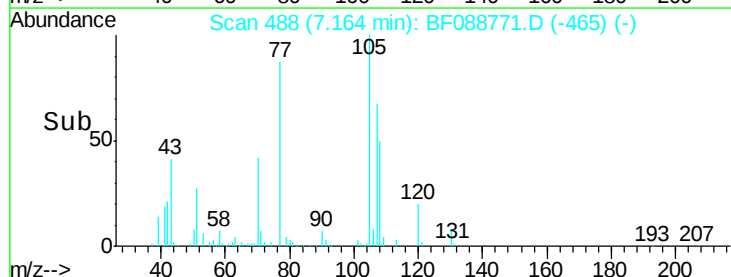
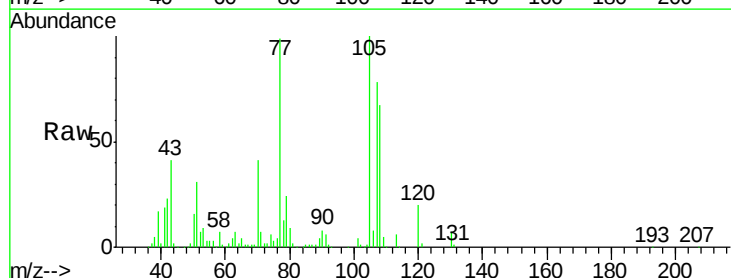
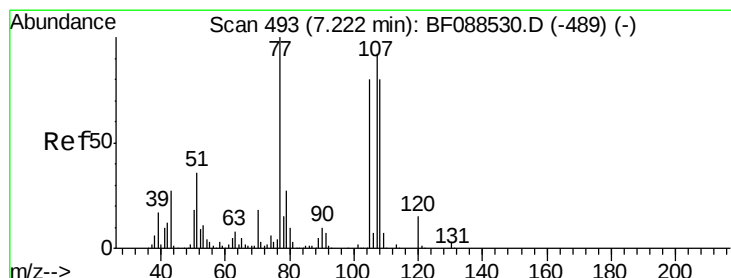
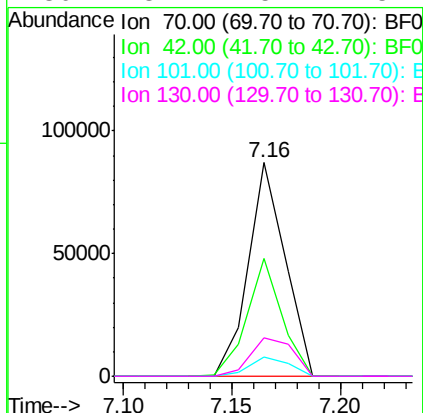




#19
n-Nitroso-di-n-propylamine
Concen: 19.62 ng
RT: 7.16 min Scan# 488
Delta R.T. -0.03 min
Lab File: BF088771.D
Acq: 7 Jul 2016 9:10

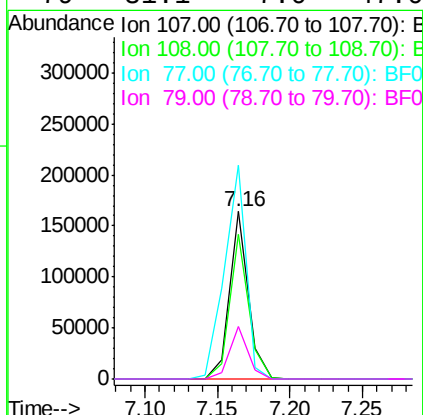
Instrument :
BNA_F
ClientSampleId :

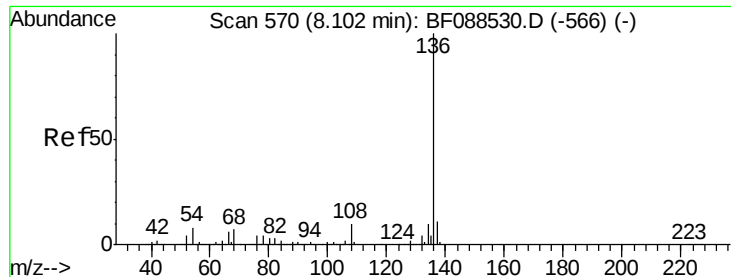
Tot Ion: 70 Resp: 102595
Ion Ratio Lower Upper
70 100
42 55.1 49.6 74.4
101 8.8 7.1 10.7
130 18.1 15.4 23.2



#20
3+4-Methylphenols
Concen: 23.21 ng
RT: 7.16 min Scan# 488
Delta R.T. -0.03 min
Lab File: BF088771.D
Acq: 7 Jul 2016 9:10

Tgt Ion:107 Resp: 147174
Ion Ratio Lower Upper
107 100
108 86.3 67.8 107.8
77 127.5 59.3 99.3#
79 31.1 7.0 47.0

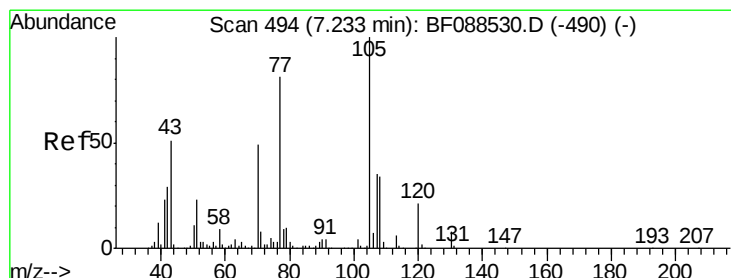
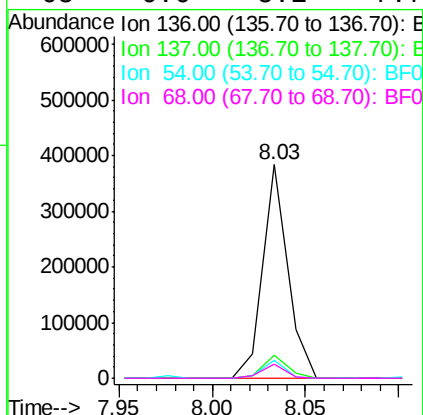
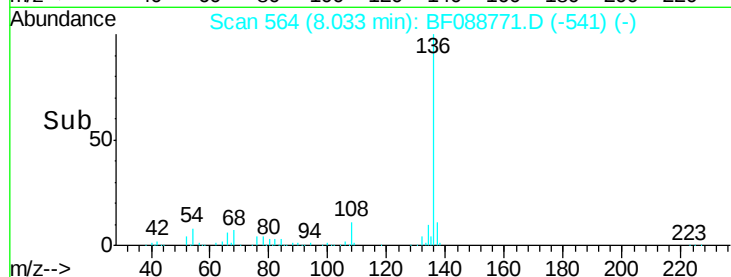
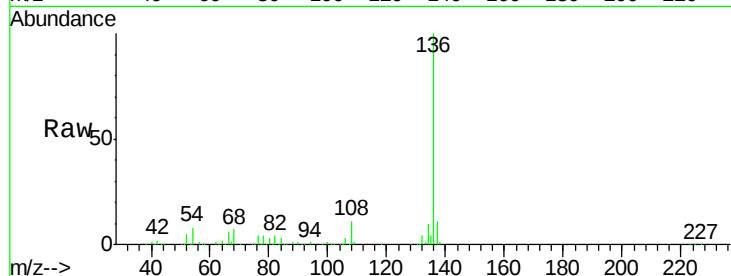




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 564
Delta R.T. -0.03 min
Lab File: BF088771.D
Acq: 7 Jul 2016 9:10

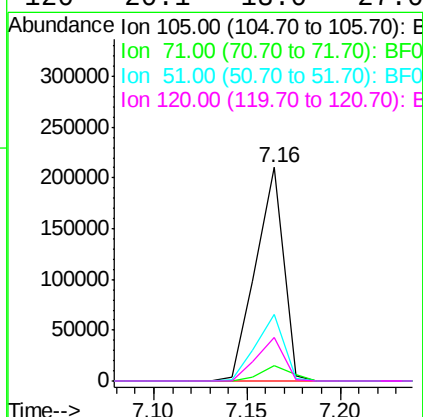
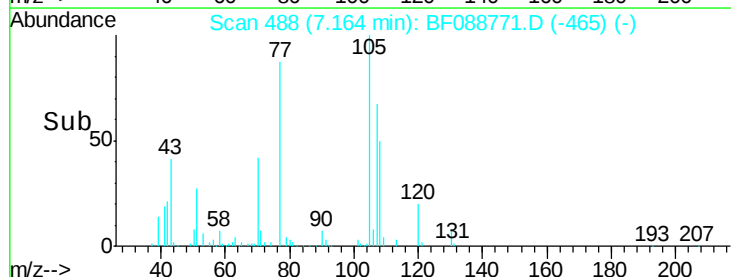
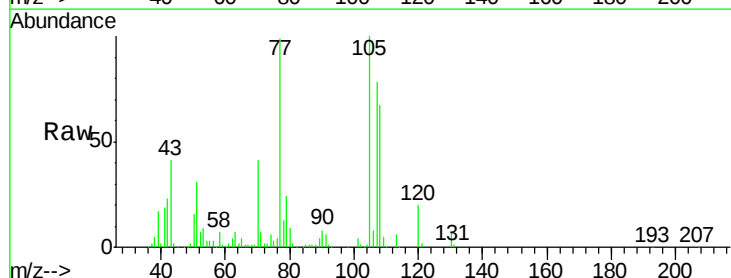
Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	352991
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.1 13.7
54	8.2	6.6 10.0
68	6.6	5.1 7.7



#22
Acetophenone
Concen: 25.41 ng
RT: 7.16 min Scan# 488
Delta R.T. -0.03 min
Lab File: BF088771.D
Acq: 7 Jul 2016 9:10

Tgt Ion:105	Resp:	217740
Ion Ratio	Lower	Upper
105	100	
71	6.9	5.3 7.9
51	31.0	18.2 27.4#
120	20.1	18.0 27.0

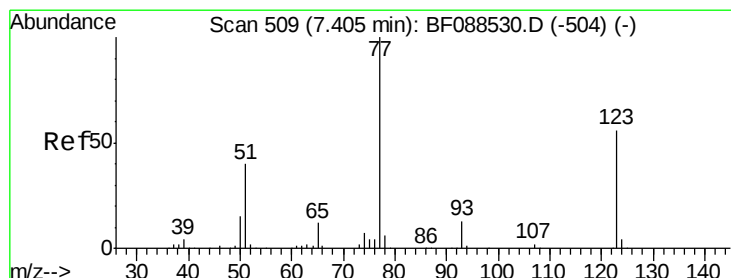
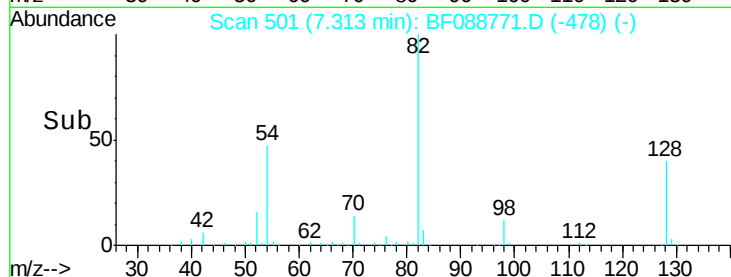
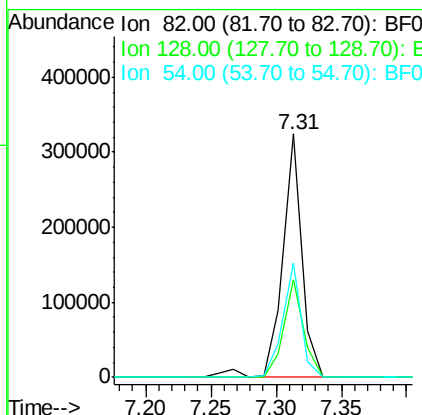
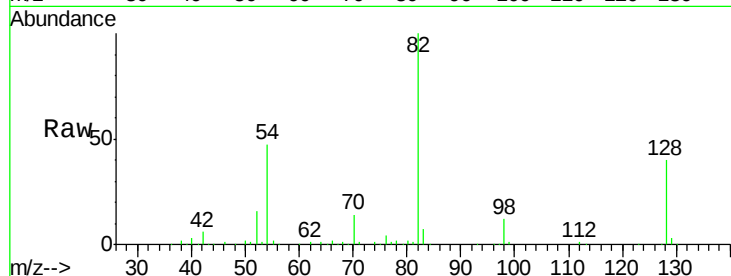




#23
 Nitrobenzene-d5
 Concen: 50.52 ng
 RT: 7.31 min Scan# 501
 Delta R.T. -0.03 min
 Lab File: BF088771.D
 Acq: 7 Jul 2016 9:10

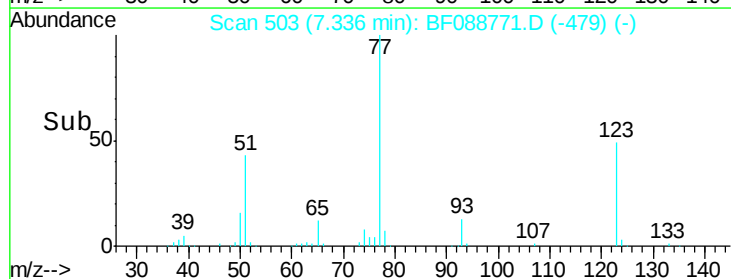
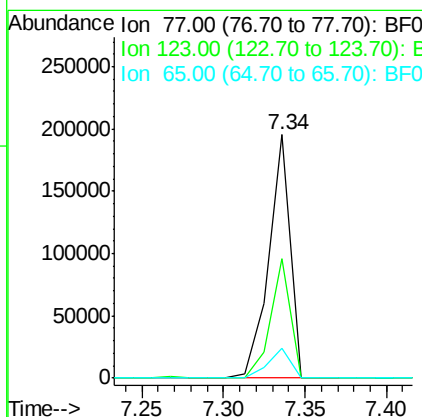
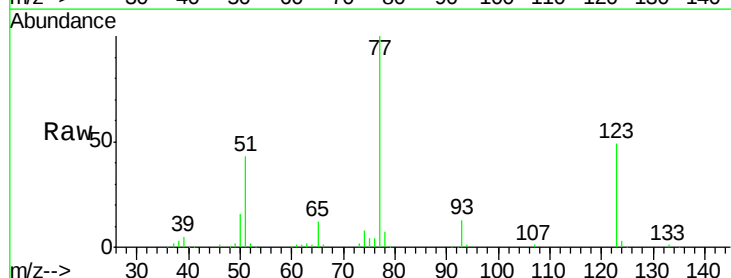
Instrument :
 BNA_F
 ClientSampleId :

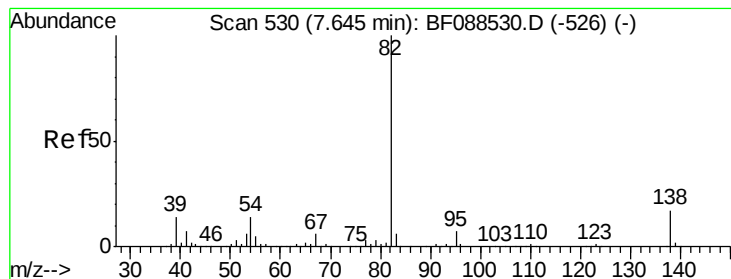
Tot Ion: 82 Resp: 340277
 Ion Ratio Lower Upper
 82 100
 128 40.2 35.9 53.9
 54 47.2 40.9 61.3



#24
 Nitrobenzene
 Concen: 26.26 ng
 RT: 7.34 min Scan# 503
 Delta R.T. -0.02 min
 Lab File: BF088771.D
 Acq: 7 Jul 2016 9:10

Tgt Ion: 77 Resp: 178343
 Ion Ratio Lower Upper
 77 100
 123 48.8 45.0 67.4
 65 12.3 10.2 15.2





#25

Isophorone

Concen: 23.79 ng

RT: 7.58 min Scan# 524

Delta R.T. -0.03 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

Instrument :

BNA_F

ClientSampleId :

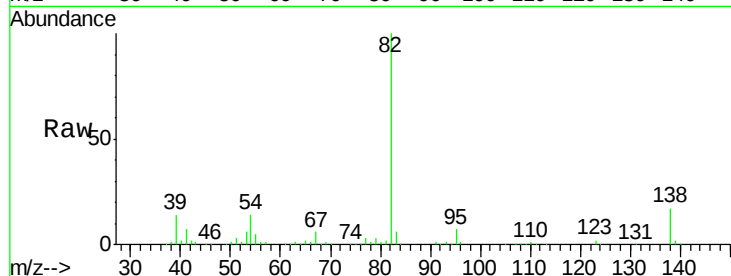
Tot Ion: 82 Resp: 296807

Ion Ratio Lower Upper

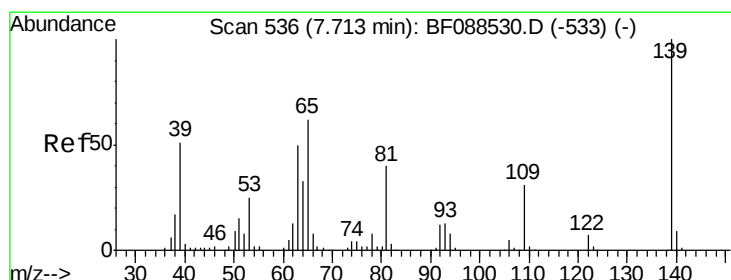
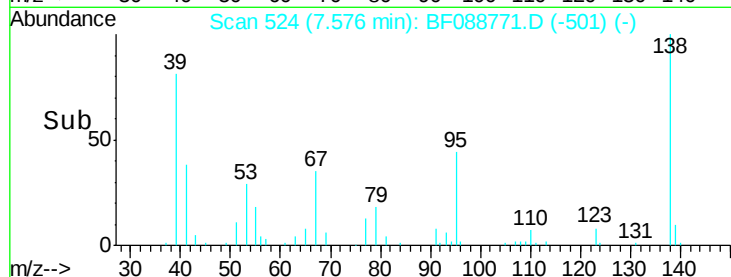
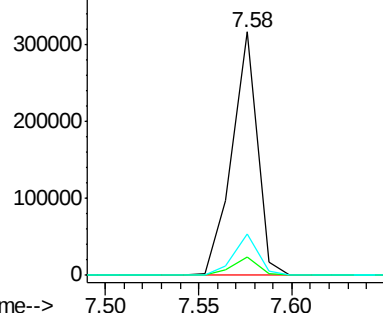
82 100

95 7.3 5.4 8.2

138 16.7 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: 26.20 ng

RT: 7.66 min Scan# 531

Delta R.T. -0.02 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

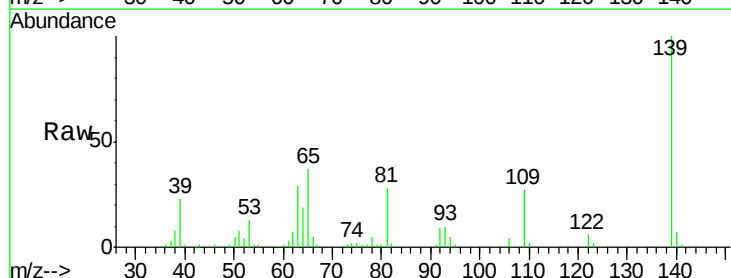
Tgt Ion: 139 Resp: 72968

Ion Ratio Lower Upper

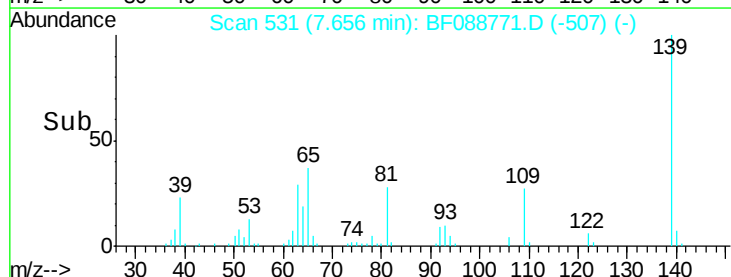
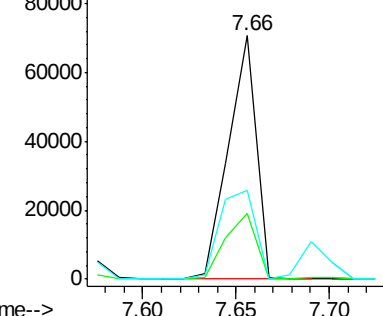
139 100

109 27.2 23.0 34.4

65 36.6 45.8 68.8#



Abundance Ion 139.00 (138.70 to 139.70): BF0
Ion 109.00 (108.70 to 109.70): BF0
Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 21.53 ng

RT: 7.69 min Scan# 534

Delta R.T. -0.03 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

Instrument :

BNA_F

ClientSampled :

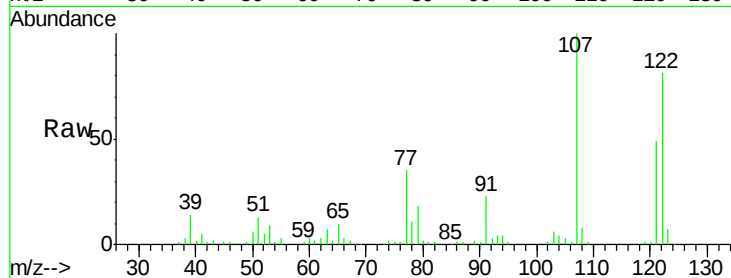
Tot Ion:122 Resp: 124896

Ion Ratio Lower Upper

122 100

107 124.0 82.4 123.6#

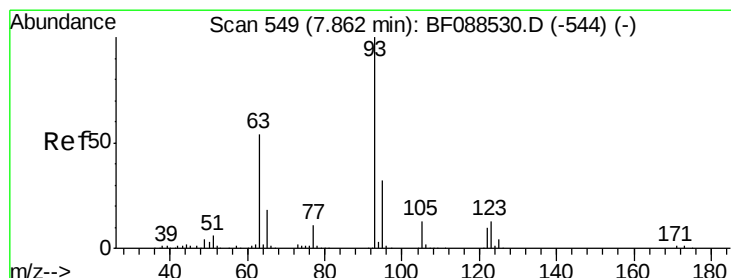
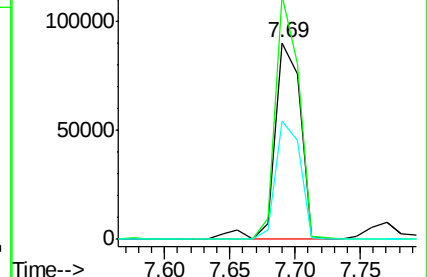
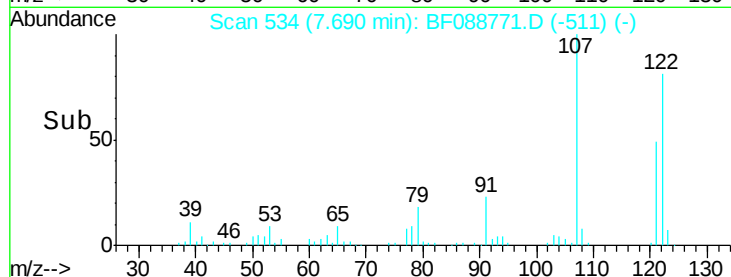
121 60.3 46.3 69.5



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: 24.67 ng

RT: 7.79 min Scan# 543

Delta R.T. -0.02 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

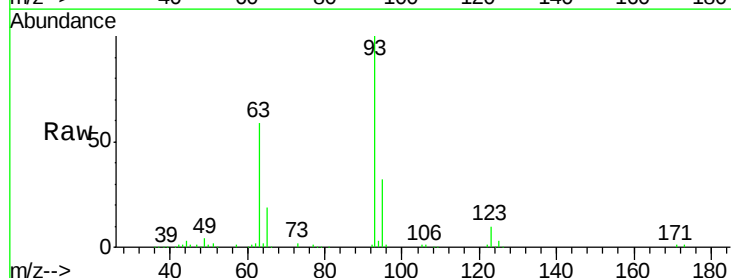
Tgt Ion: 93 Resp: 200327

Ion Ratio Lower Upper

93 100

95 32.2 26.5 39.7

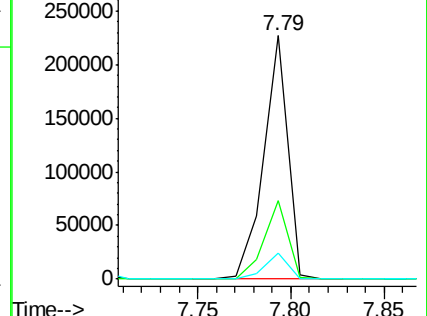
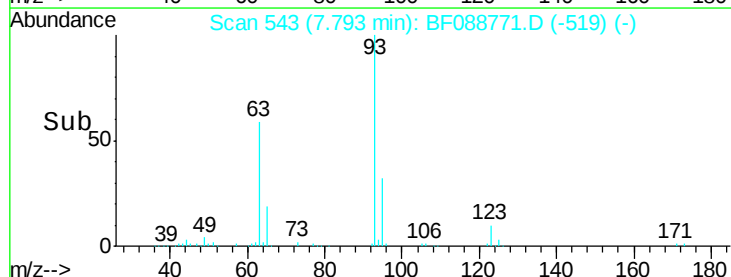
123 10.5 11.6 17.4#



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): E

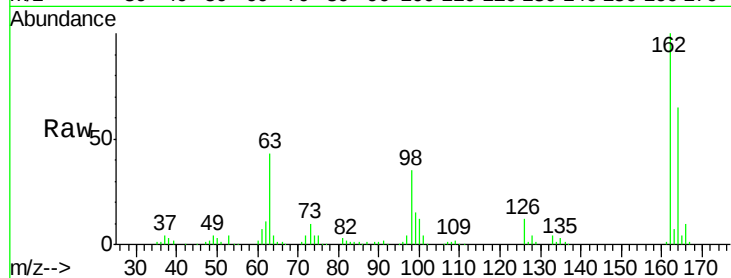




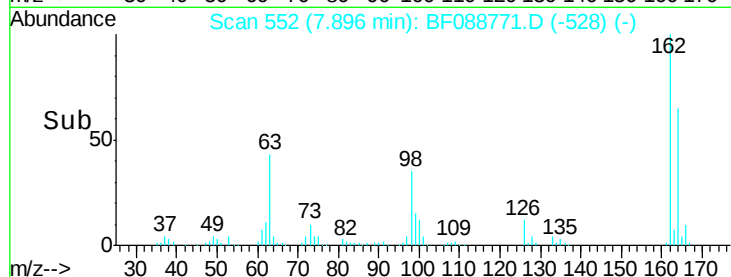
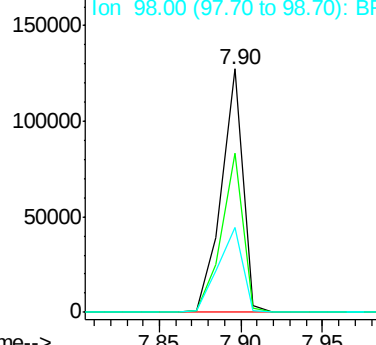
#29
 2,4-Dichlorophenol
 Concen: 25.04 ng
 RT: 7.90 min Scan# 552
 Delta R.T. -0.02 min
 Lab File: BF088771.D
 Acq: 7 Jul 2016 9:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
164	65.4	43.8	83.8
98	35.0	21.3	61.3

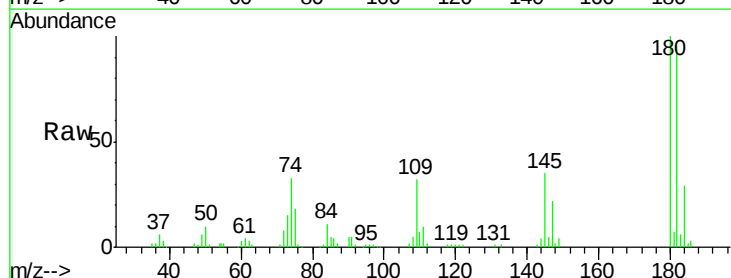


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): B

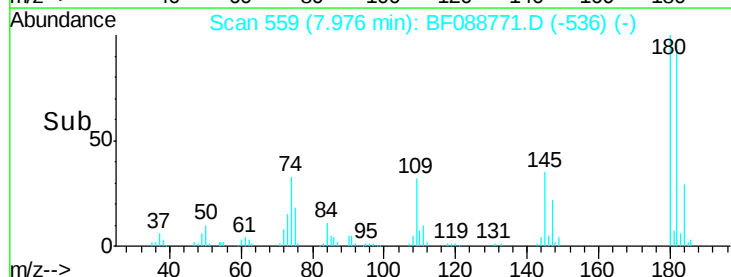
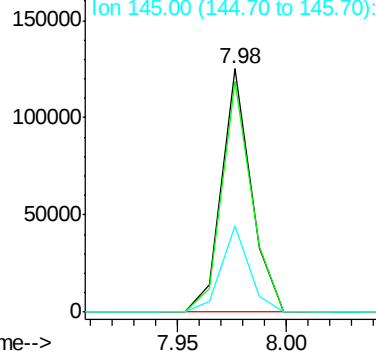


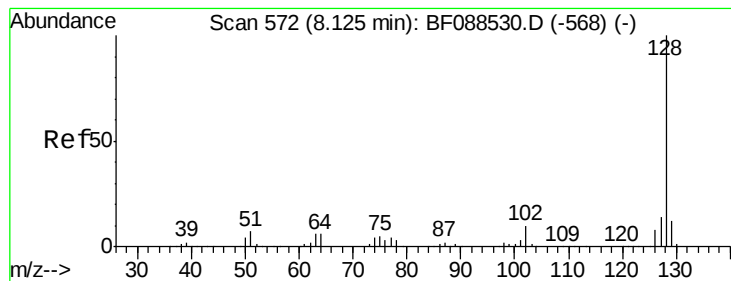
#30
 1,2,4-Trichlorobenzene
 Concen: 22.97 ng
 RT: 7.98 min Scan# 559
 Delta R.T. -0.03 min
 Lab File: BF088771.D
 Acq: 7 Jul 2016 9:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.0	114.0
145	35.5	26.5	39.7



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 24.67 ng

RT: 8.06 min Scan# 566

Delta R.T. -0.03 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

Instrument :

BNA_F

ClientSampleId :

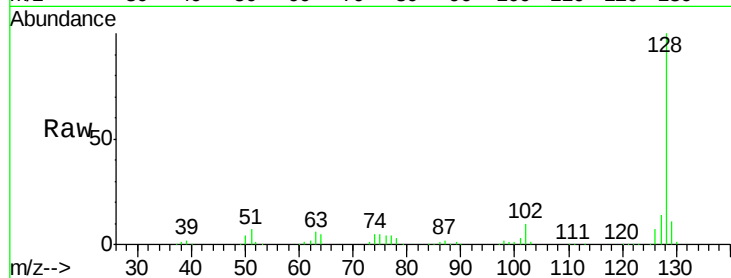
Tot Ion:128 Resp: 429305

Ion Ratio Lower Upper

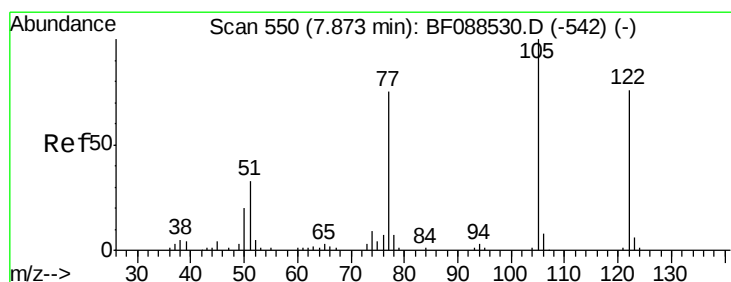
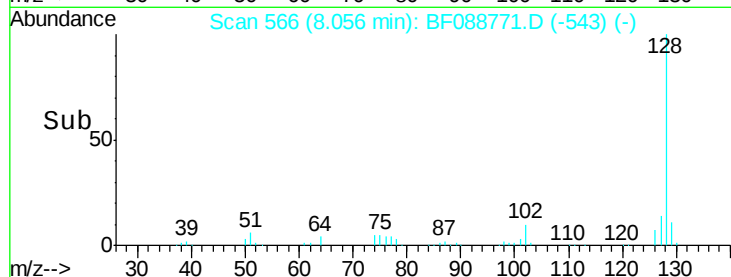
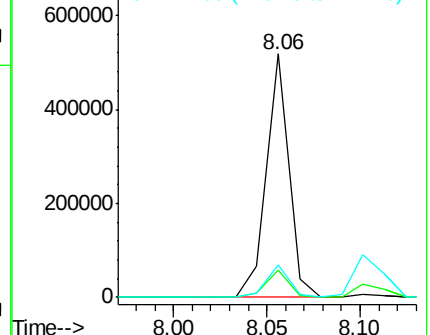
128 100

129 11.1 9.4 14.2

127 13.6 10.9 16.3



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



#32

Benzoic acid

Concen: 3.92 ng

RT: 7.77 min Scan# 541

Delta R.T. -0.09 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

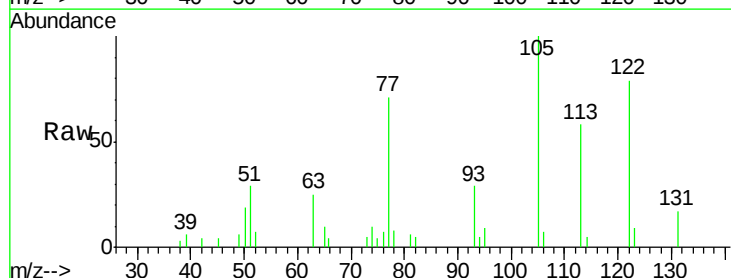
Tgt Ion:122 Resp: 16510

Ion Ratio Lower Upper

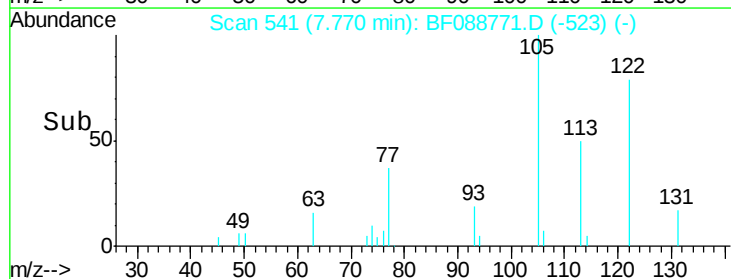
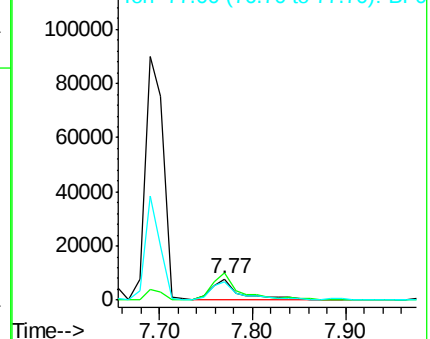
122 100

105 127.3 101.6 141.6

77 89.9 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

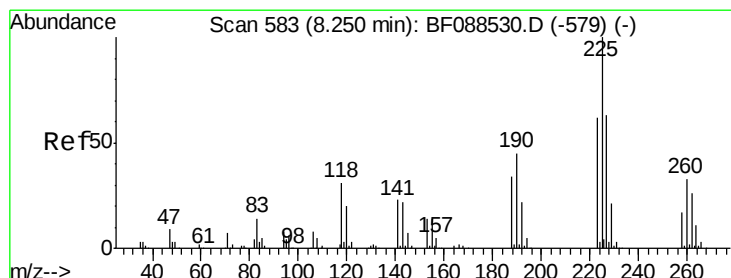
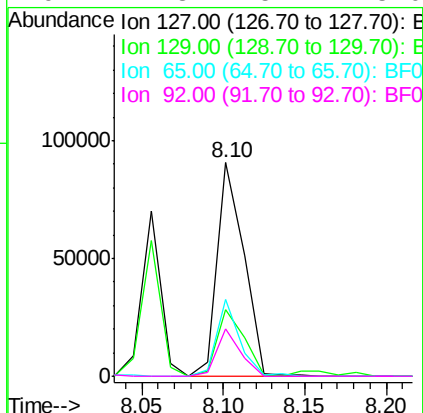
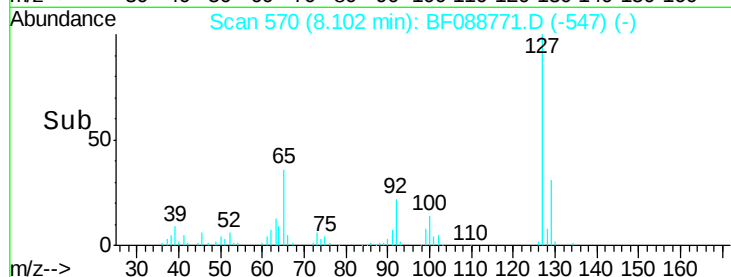
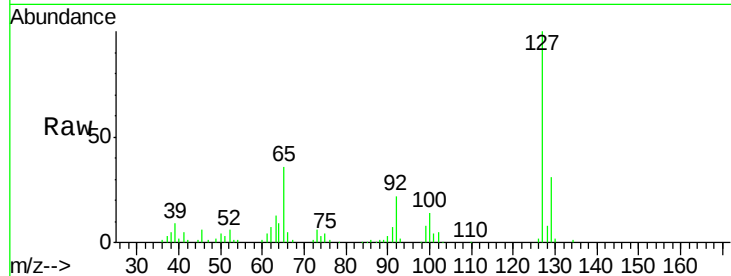




#33
4-Chloroaniline
Concen: 13.26 ng
RT: 8.10 min Scan# 570
Delta R.T. -0.03 min
Lab File: BF088771.D
Acq: 7 Jul 2016 9:10

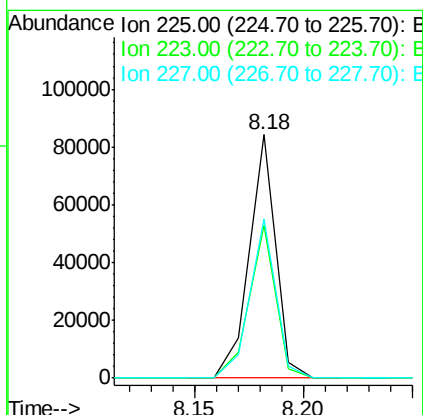
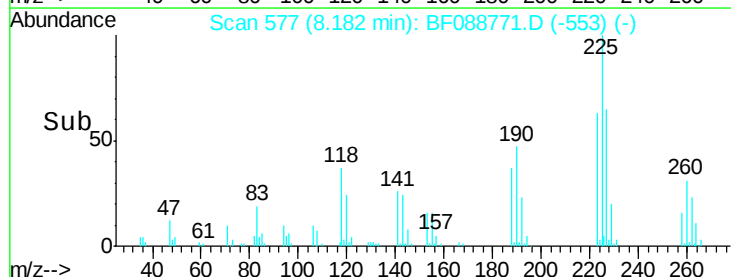
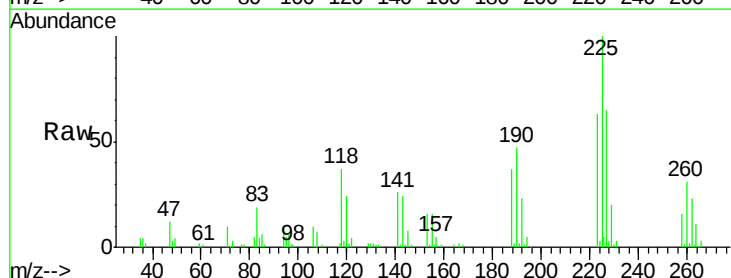
Instrument :
BNA_F
ClientSampleId :

Tot Ion:	127	Resp:	102694
Ion	Ratio	Lower	Upper
127	100		
129	31.4	26.3	39.5
65	35.8	24.7	37.1
92	22.3	15.4	23.0



#34
Hexachlorobutadiene
Concen: 25.72 ng
RT: 8.18 min Scan# 577
Delta R.T. -0.02 min
Lab File: BF088771.D
Acq: 7 Jul 2016 9:10

Tgt Ion:	225	Resp:	70841
Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.9	76.3
227	65.2	51.9	77.9

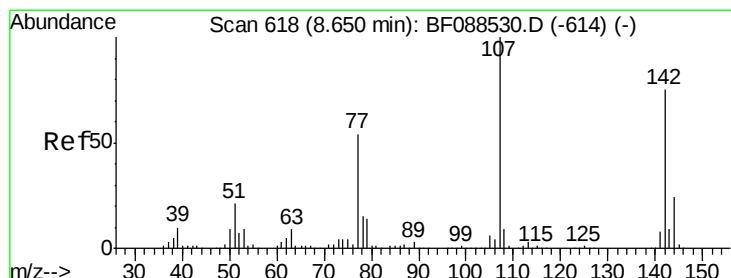
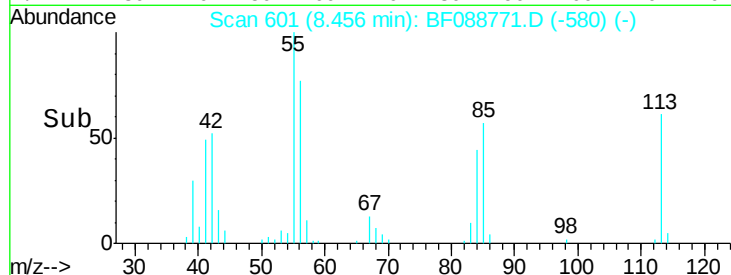
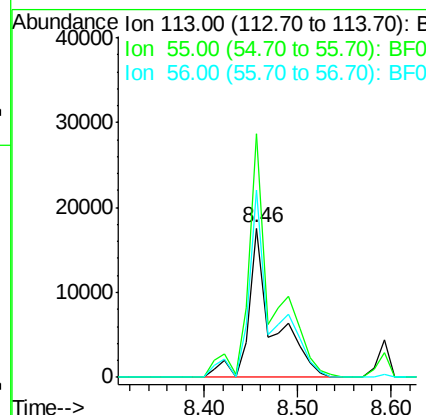
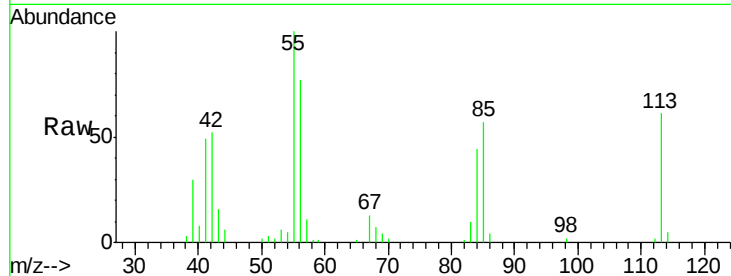




#35
 Caprolactam
 Concen: 20.06 ng
 RT: 8.46 min Scan# 601
 Delta R.T. -0.06 min
 Lab File: BF088771.D
 Acq: 7 Jul 2016 9:10

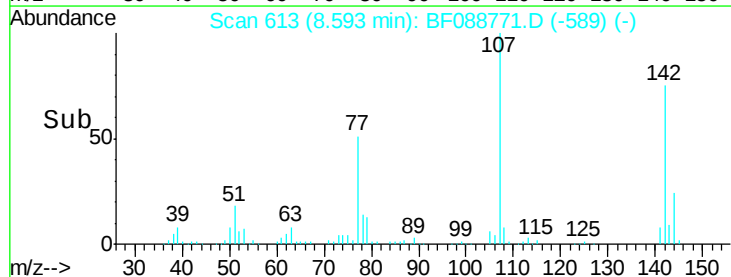
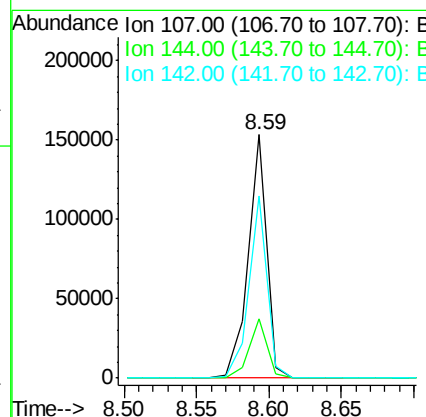
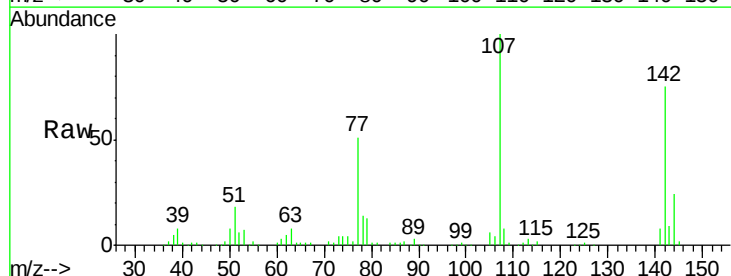
Instrument :
 BNA_F
 ClientSampled :

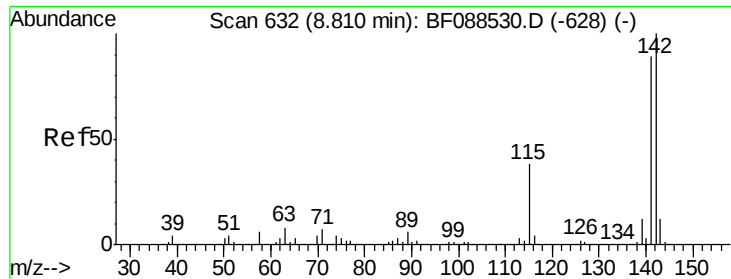
Tot Ion:113 Resp: 31940
 Ion Ratio Lower Upper
 113 100
 55 163.3 158.6 198.6
 56 126.0 110.6 150.6



#36
 4-Chloro-3-methylphenol
 Concen: 24.67 ng
 RT: 8.59 min Scan# 613
 Delta R.T. -0.02 min
 Lab File: BF088771.D
 Acq: 7 Jul 2016 9:10

Tgt Ion:107 Resp: 136769
 Ion Ratio Lower Upper
 107 100
 144 24.3 20.8 31.2
 142 74.9 63.4 95.2

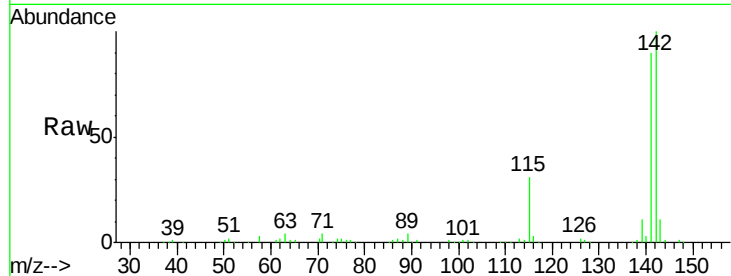




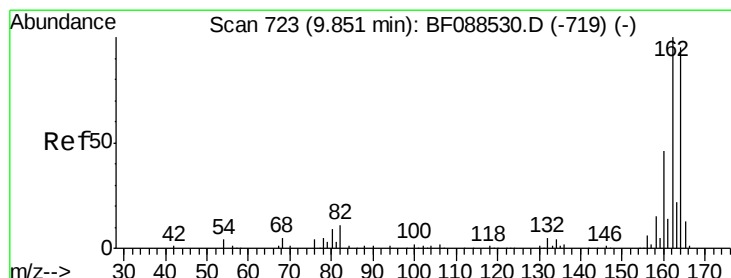
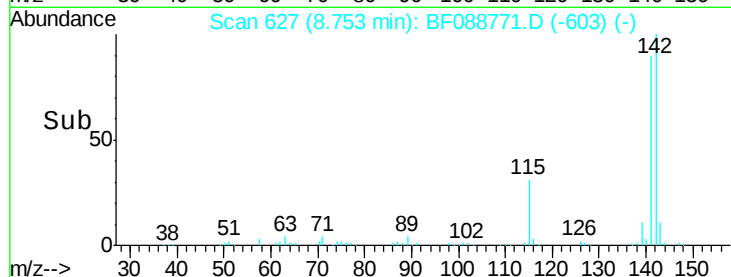
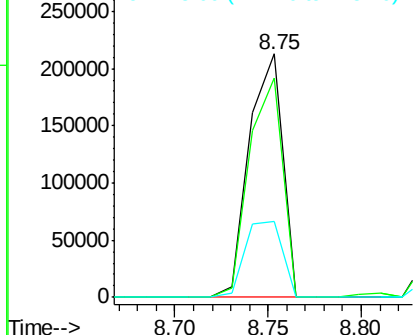
#37
2-Methylnaphthalene
Concen: 23.54 ng
RT: 8.75 min Scan# 627
Delta R.T. -0.02 min
Lab File: BF088771.D
Acq: 7 Jul 2016 9:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 263818
Ion Ratio Lower Upper
142 100
141 89.8 71.0 106.6
115 31.3 22.6 33.8

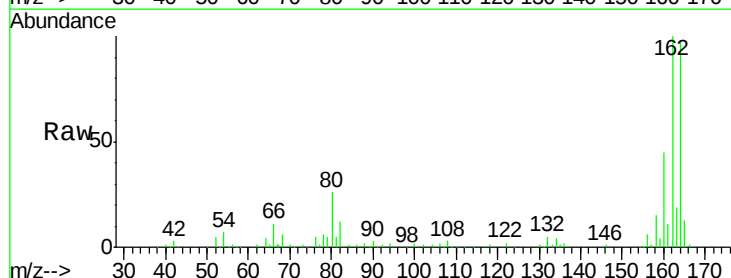


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

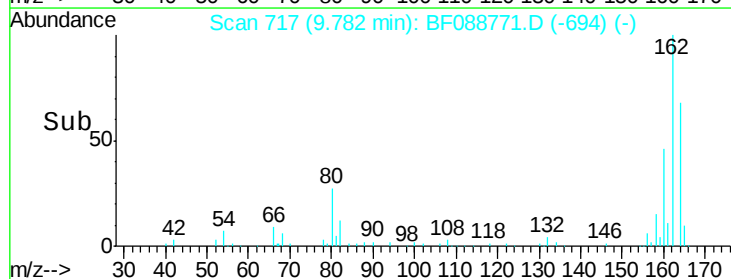
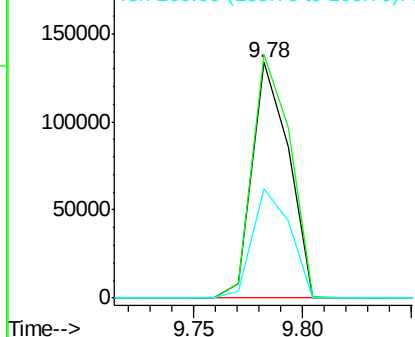


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 717
Delta R.T. -0.03 min
Lab File: BF088771.D
Acq: 7 Jul 2016 9:10

Tgt Ion:164 Resp: 156108
Ion Ratio Lower Upper
164 100
162 103.3 85.4 128.2
160 46.5 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

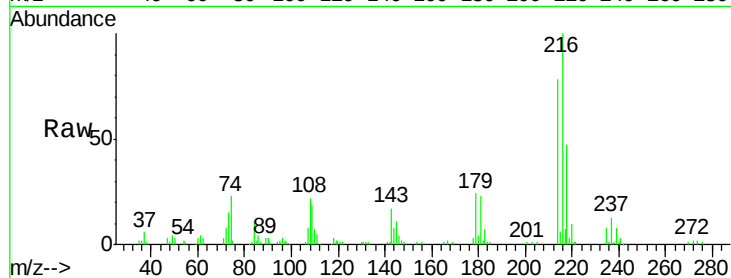




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 21.93 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.03 min
 Lab File: BF088771.D
 Acq: 7 Jul 2016 9:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
216	100		
214	77.9	2.9	4.3#
179	23.5	0.0	0.0#
108	22.6	0.5	0.7#

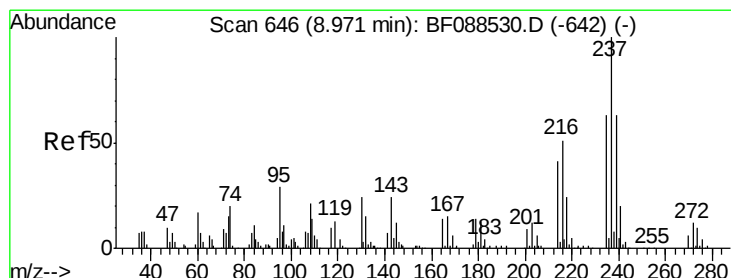
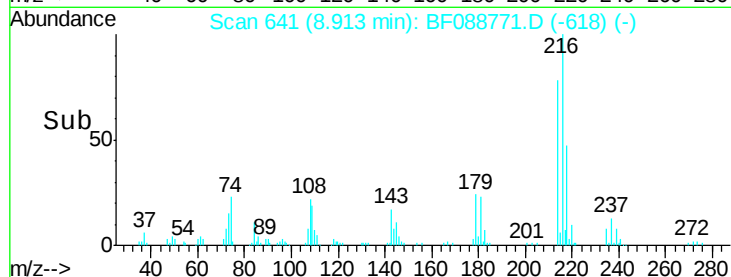
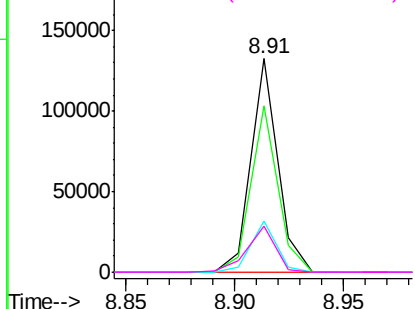


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

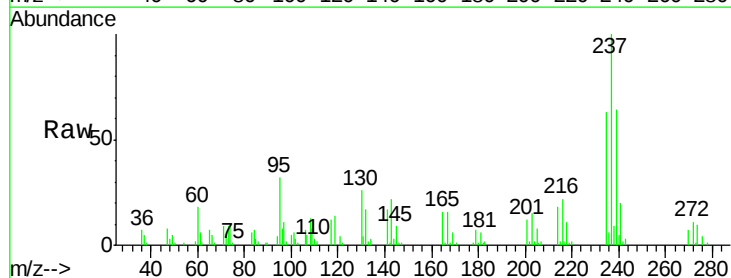
Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40
 Hexachlorocyclopentadiene
 Concen: 20.57 ng
 RT: 8.90 min Scan# 640
 Delta R.T. -0.03 min
 Lab File: BF088771.D
 Acq: 7 Jul 2016 9:10

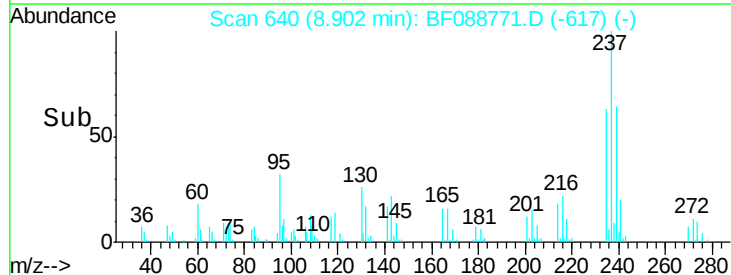
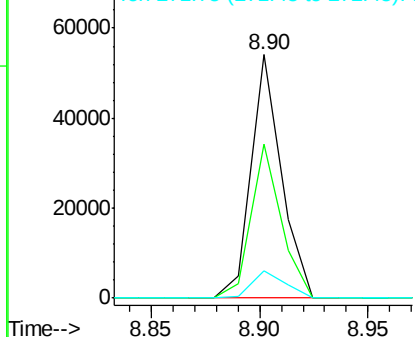
Tgt Ion	Ratio	Lower	Upper
237	100		
235	63.0	43.4	83.4
272	11.2	0.0	32.3



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

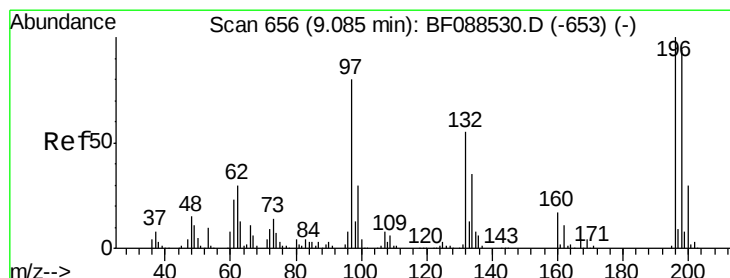
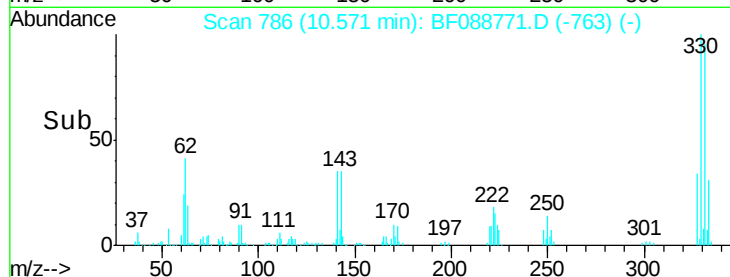
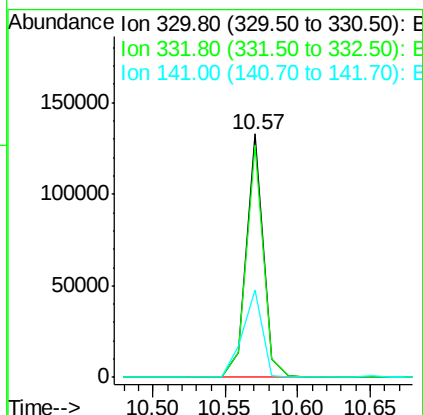
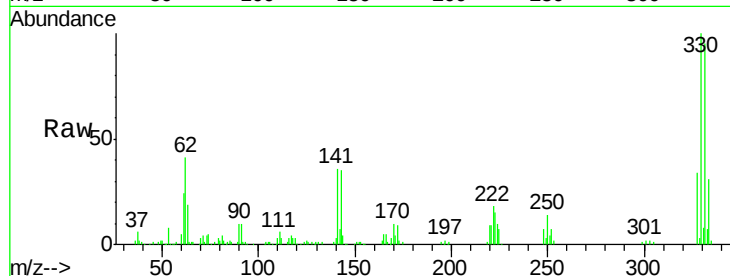




#41
 2,4,6-Tribromophenol
 Concen: 74.94 ng
 RT: 10.57 min Scan# 786
 Delta R.T. -0.03 min
 Lab File: BF088771.D
 Acq: 7 Jul 2016 9:10

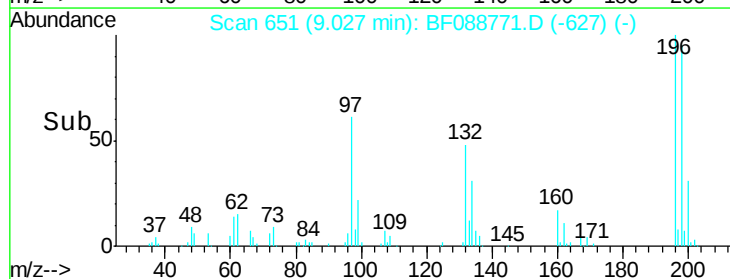
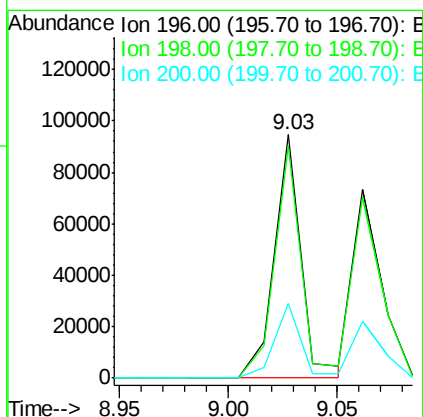
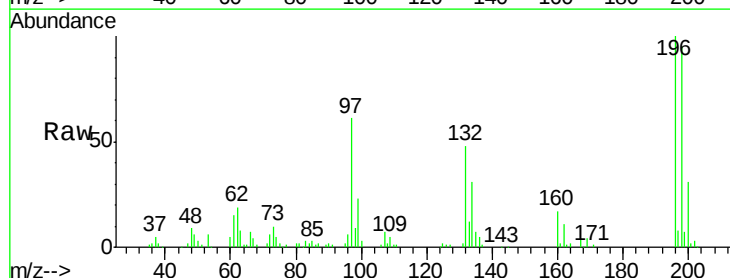
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	0.0	0.0#
141	41.5	0.0	0.0#



#42
 2,4,6-Trichlorophenol
 Concen: 23.94 ng
 RT: 9.03 min Scan# 651
 Delta R.T. -0.02 min
 Lab File: BF088771.D
 Acq: 7 Jul 2016 9:10

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.3	78.0	117.0
200	30.6	25.4	38.2

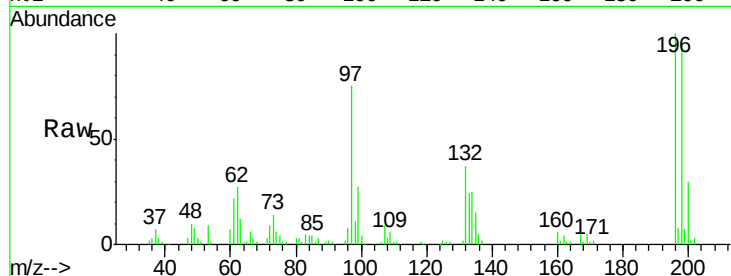




#43
 2,4,5-Trichlorophenol
 Concen: 23.13 ng
 RT: 9.06 min Scan# 654
 Delta R.T. -0.03 min
 Lab File: BF088771.D
 Acq: 7 Jul 2016 9:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
196	100		
198	95.9	77.5	116.3
97	74.9	32.0	48.0
132	36.8	20.9	31.3



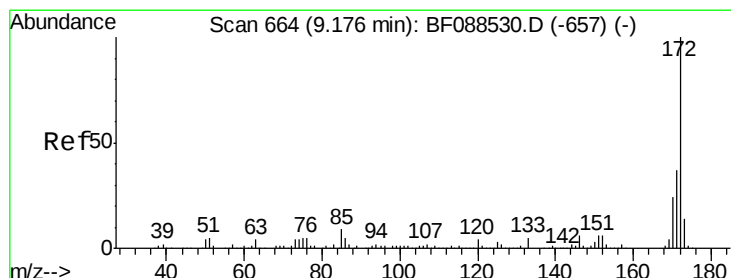
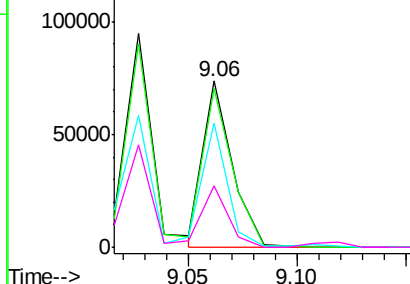
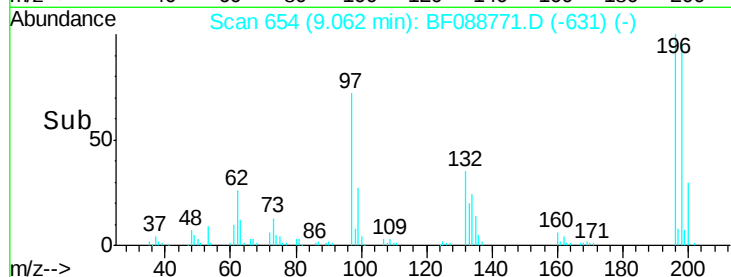
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

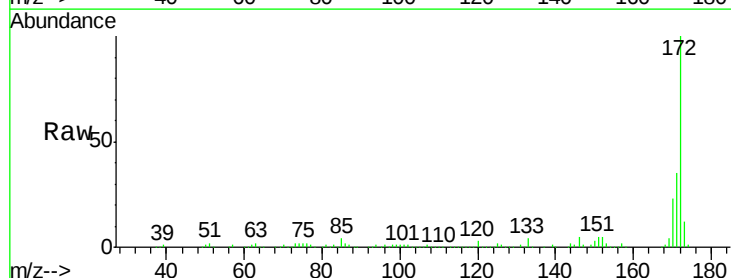
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 61.81 ng
 RT: 9.12 min Scan# 659
 Delta R.T. -0.02 min
 Lab File: BF088771.D
 Acq: 7 Jul 2016 9:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	43.0
170	23.1	19.2	28.8

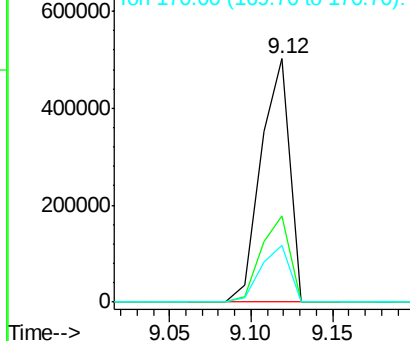
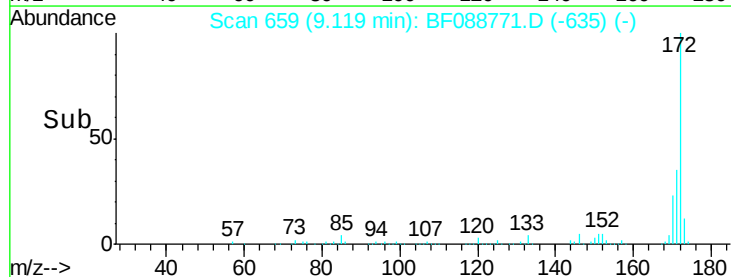


Abundance

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: 24.57 ng

RT: 9.21 min Scan# 667

Delta R.T. -0.03 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

Instrument :

BNA_F

ClientSampleId :

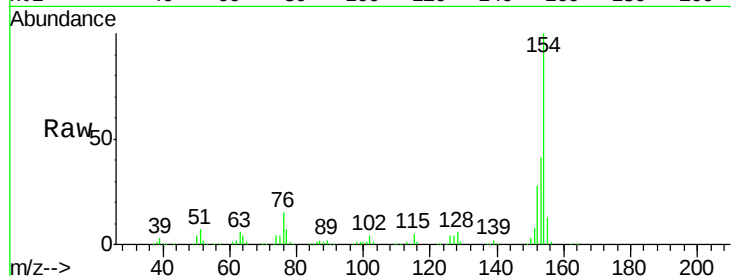
Tot Ion:154 Resp: 317643

Ion Ratio Lower Upper

154 100

153 41.3 20.6 60.6

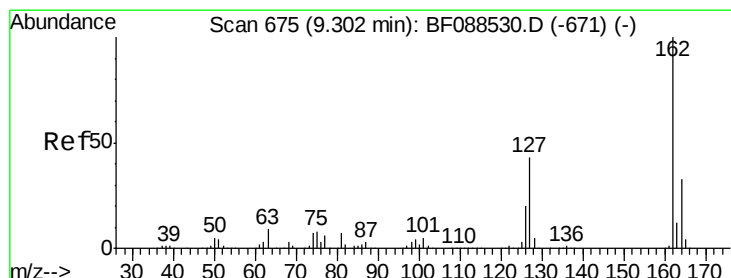
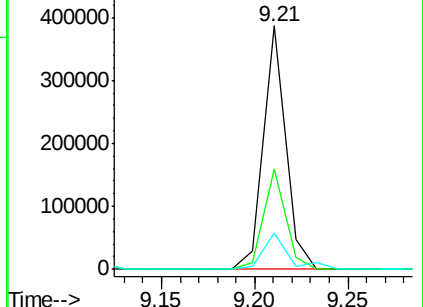
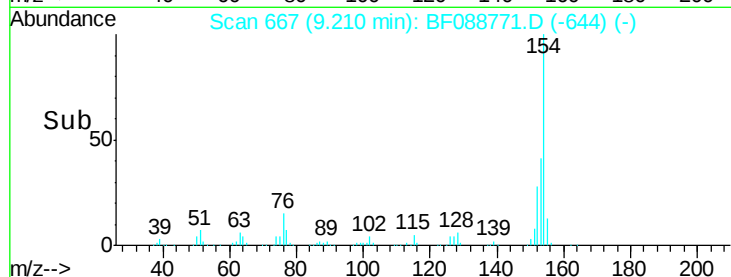
76 14.8 0.0 35.1



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: 24.03 ng

RT: 9.23 min Scan# 669

Delta R.T. -0.03 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

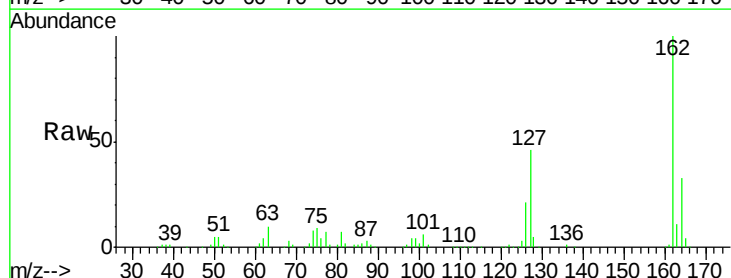
Tgt Ion:162 Resp: 243837

Ion Ratio Lower Upper

162 100

127 45.5 35.2 52.8

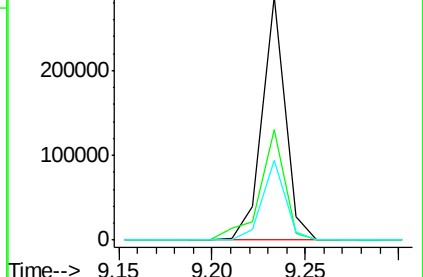
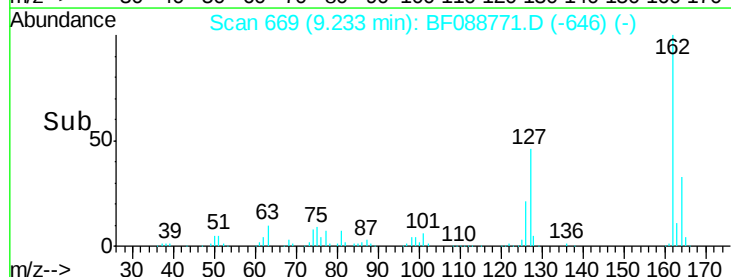
164 32.7 26.6 39.8



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

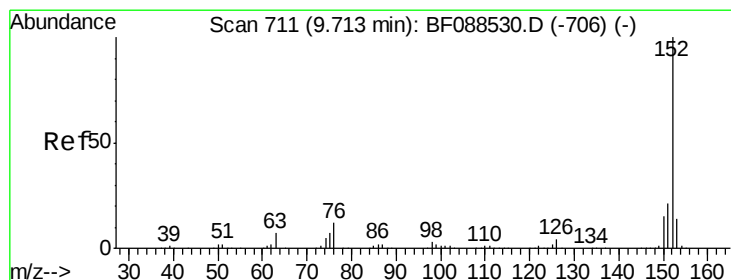
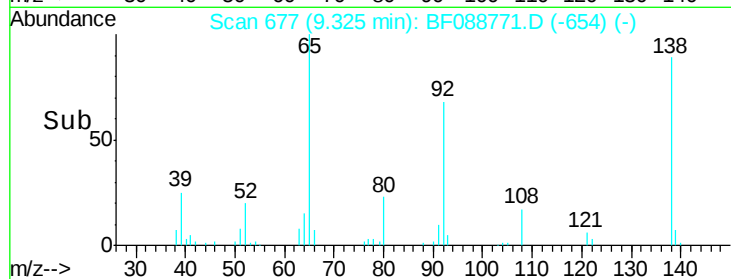
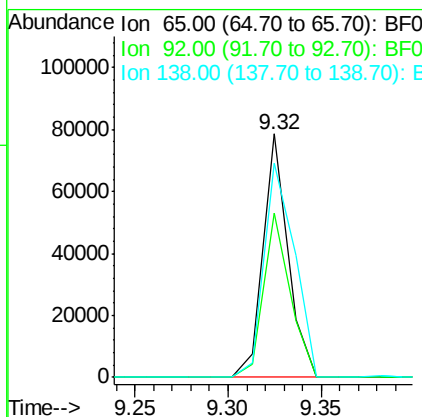
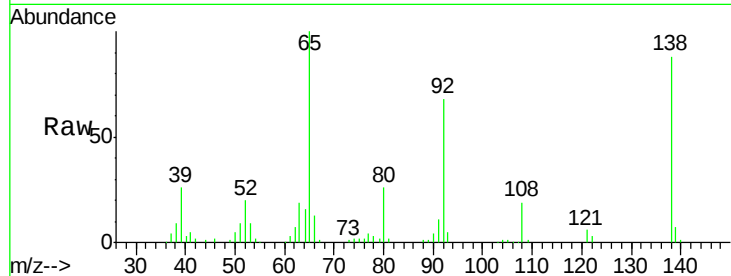




#47
2-Nitroaniline
Concen: 20.10 ng
RT: 9.32 min Scan# 677
Delta R.T. -0.03 min
Lab File: BF088771.D
Acq: 7 Jul 2016 9:10

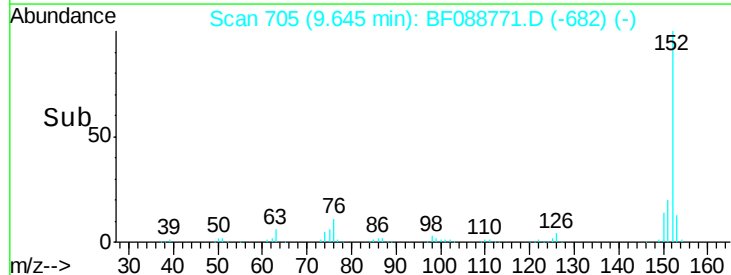
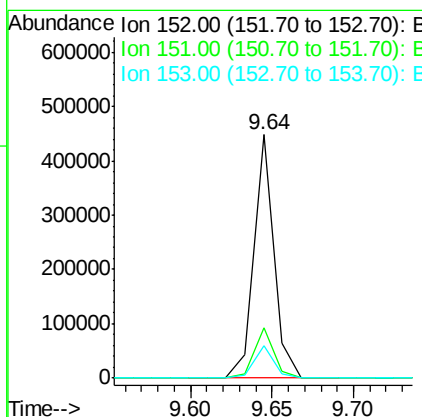
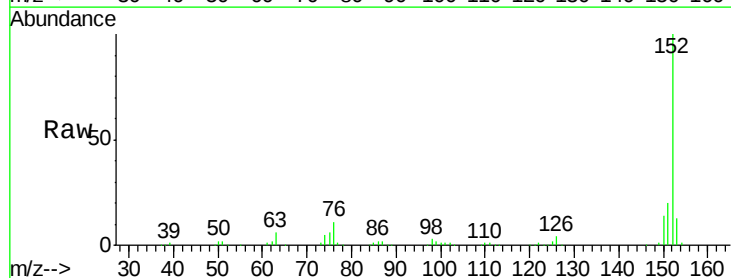
Instrument :
BNA_F
ClientSampled :

Tot Ion: 65 Resp: 72372
Ion Ratio Lower Upper
65 100
92 67.6 54.6 82.0
138 88.0 77.0 115.4



#48
Acenaphthylene
Concen: 23.78 ng
RT: 9.64 min Scan# 705
Delta R.T. -0.03 min
Lab File: BF088771.D
Acq: 7 Jul 2016 9:10

Tgt Ion:152 Resp: 384025
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.4
153 13.2 11.0 16.6

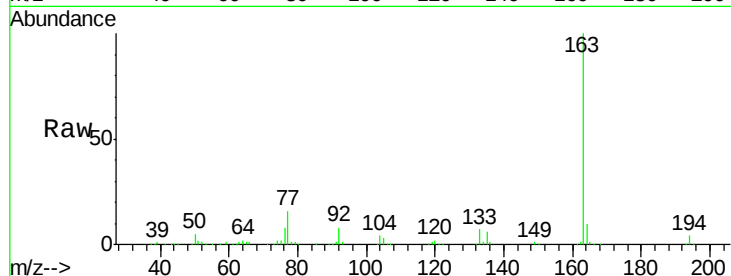




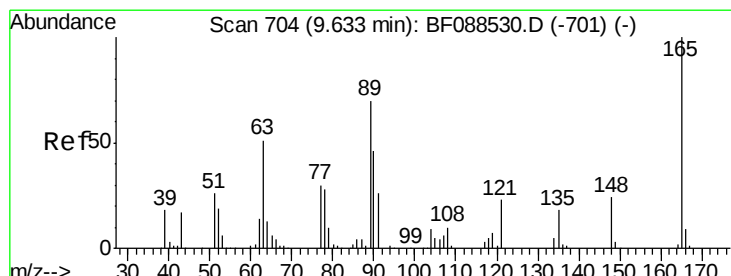
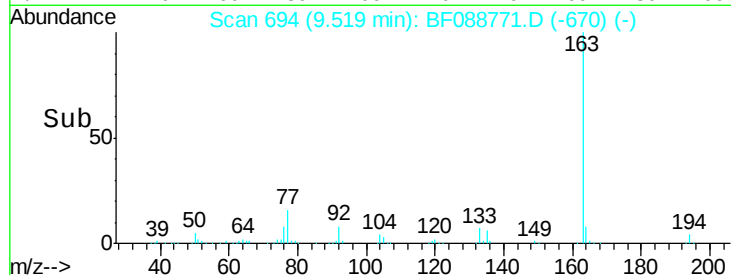
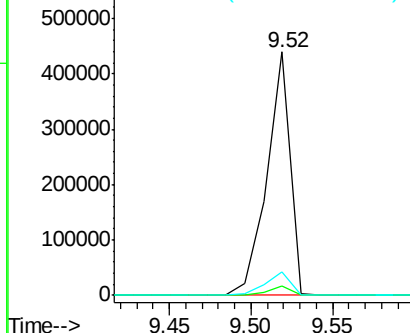
#49
Dimethylphthalate
Concen: 39.03 ng
RT: 9.52 min Scan# 694
Delta R.T. -0.02 min
Lab File: BF088771.D
Acq: 7 Jul 2016 9:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 434089
Ion Ratio Lower Upper
163 100
194 3.8 2.8 4.2
164 9.7 8.3 12.5

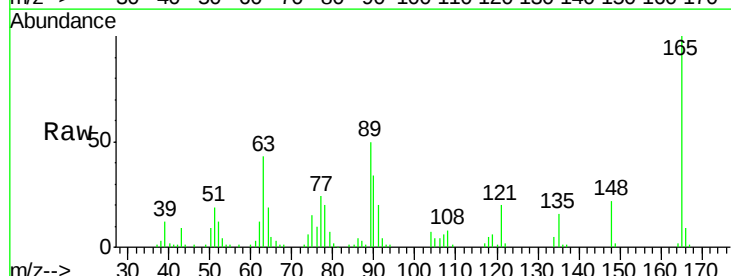


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

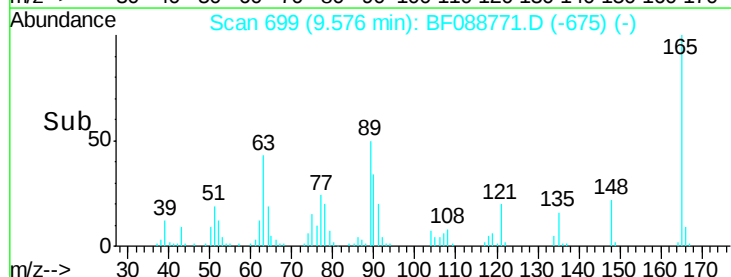
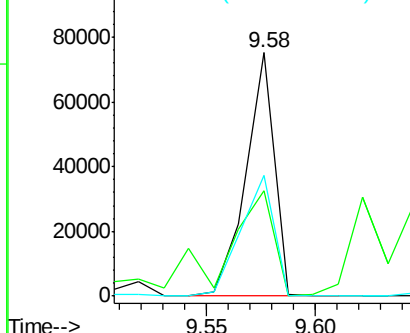


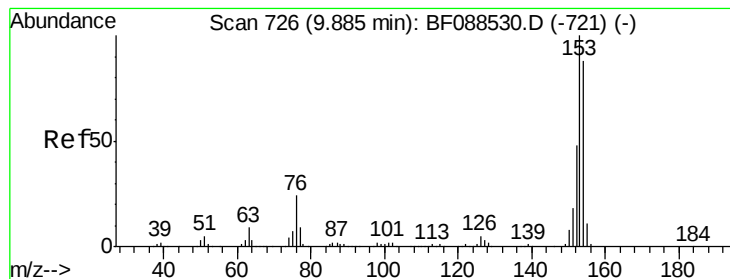
#50
2,6-Dinitrotoluene
Concen: 27.70 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.02 min
Lab File: BF088771.D
Acq: 7 Jul 2016 9:10

Tgt Ion:165 Resp: 68273
Ion Ratio Lower Upper
165 100
63 43.5 28.1 42.1#
89 49.8 32.2 48.2#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 22.17 ng

RT: 9.82 min Scan# 720

Delta R.T. -0.03 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

Instrument :

BNA_F

ClientSampleId :

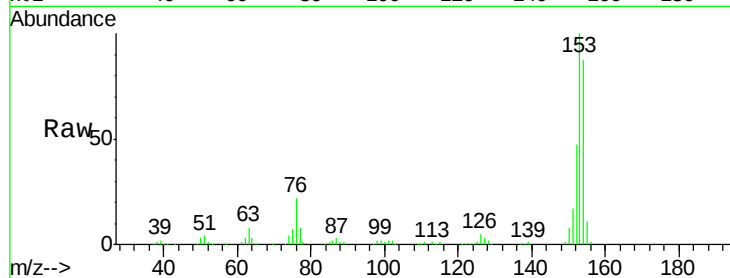
Tot Ion:154 Resp: 219427

Ion Ratio Lower Upper

154 100

153 114.7 89.5 134.3

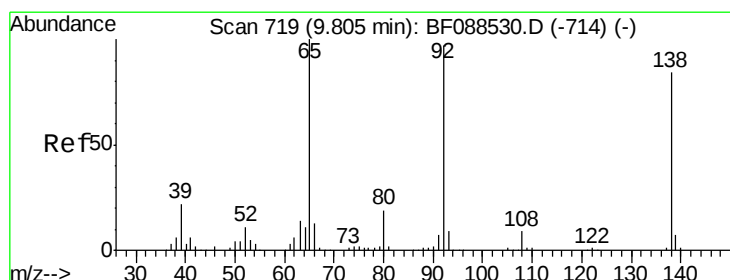
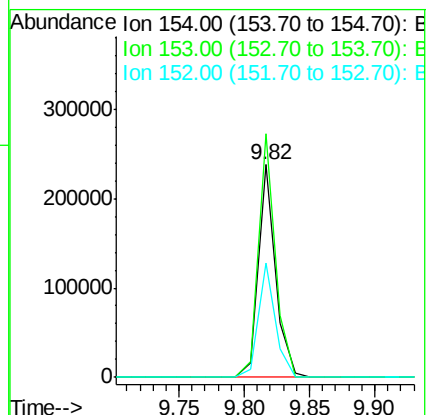
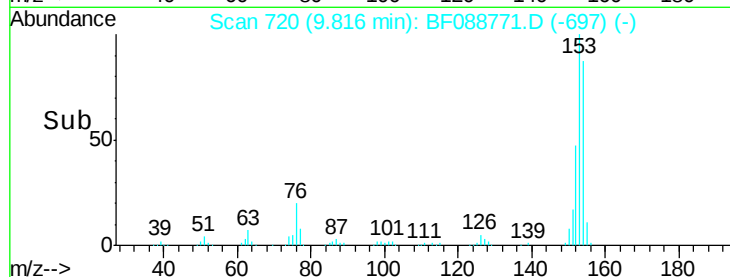
152 53.7 42.7 64.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 18.56 ng

RT: 9.74 min Scan# 713

Delta R.T. -0.03 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

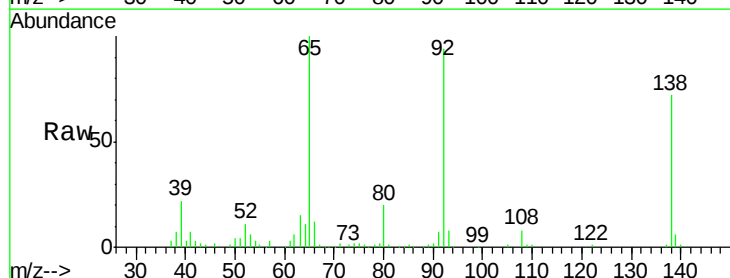
Tgt Ion:138 Resp: 58168

Ion Ratio Lower Upper

138 100

108 11.8 8.5 12.7

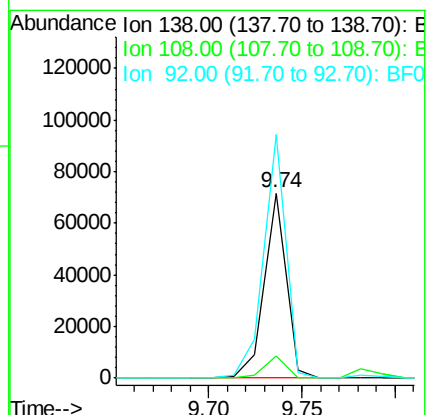
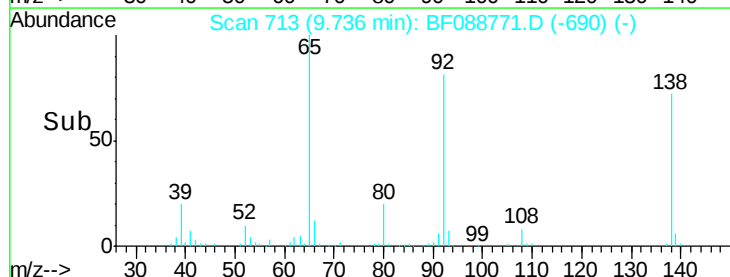
92 131.5 95.7 143.5

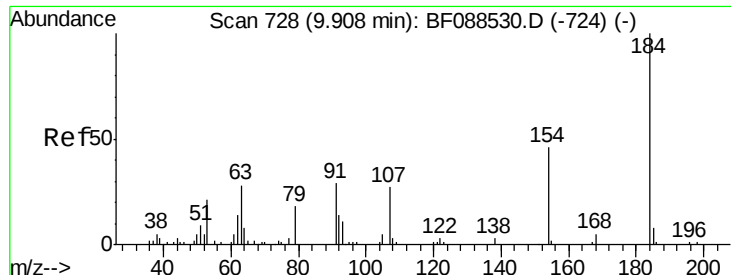


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

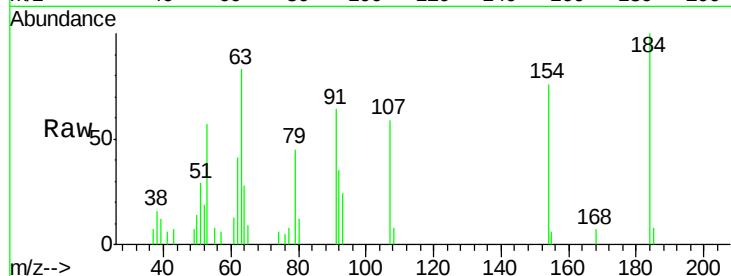




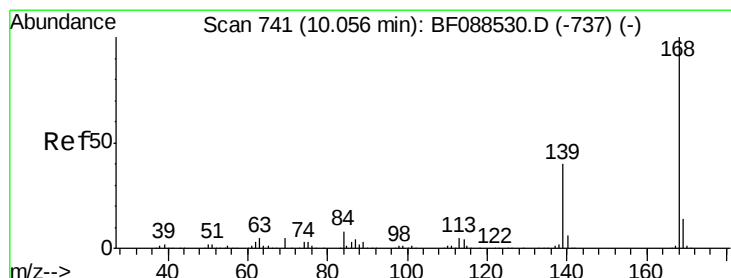
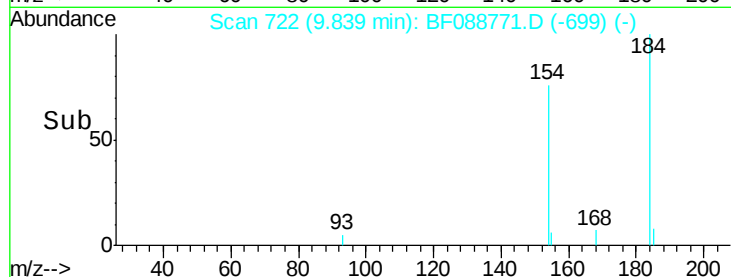
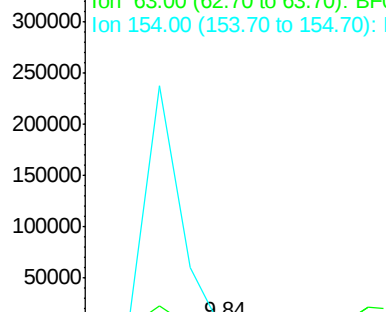
#53
2,4-Dinitrophenol
Concen: 4.30 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.03 min
Lab File: BF088771.D
Acq: 7 Jul 2016 9:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:184 Resp: 4679
Ion Ratio Lower Upper
184 100
63 83.2 57.6 86.4
154 75.8 53.5 80.3

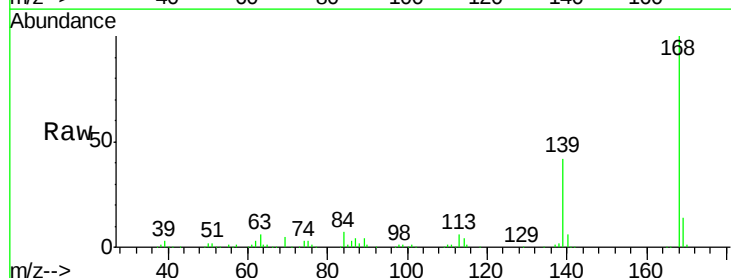


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

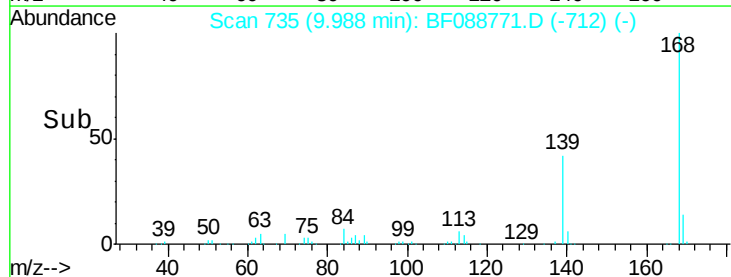
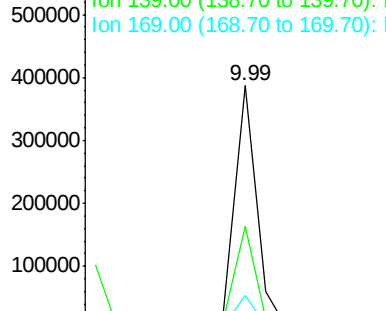


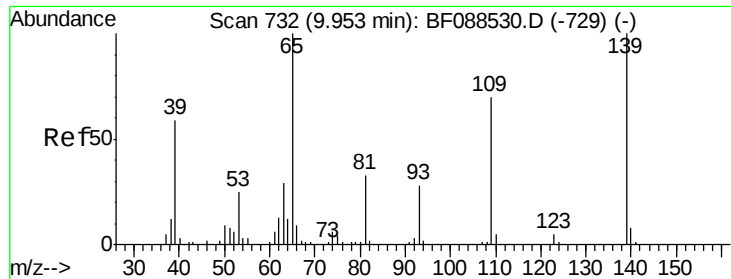
#54
Dibenzofuran
Concen: 25.28 ng
RT: 9.99 min Scan# 735
Delta R.T. -0.03 min
Lab File: BF088771.D
Acq: 7 Jul 2016 9:10

Tgt Ion:168 Resp: 327543
Ion Ratio Lower Upper
168 100
139 42.2 26.4 39.6#
169 13.7 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: 50.72 ng

RT: 9.91 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

Instrument :

BNA_F

ClientSampled :

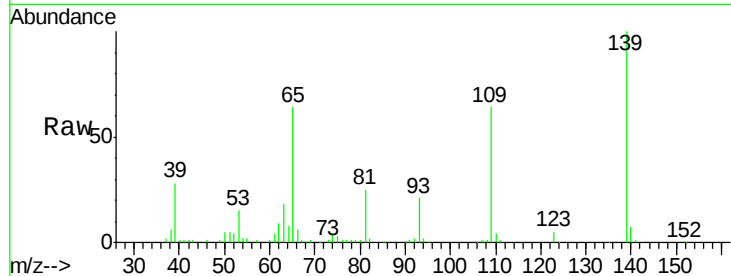
Tot Ion:139 Resp: 120769

Ion Ratio Lower Upper

139 100

109 64.2 48.9 88.9

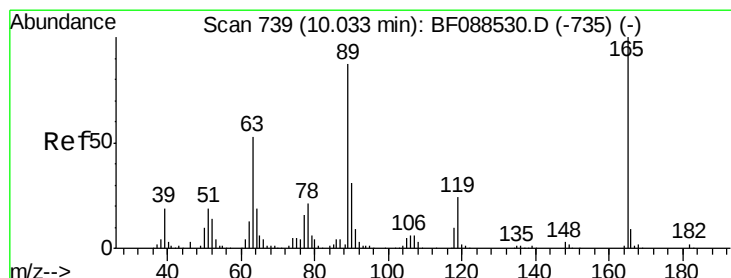
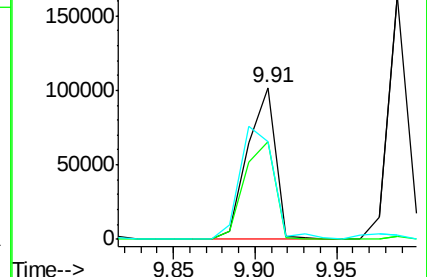
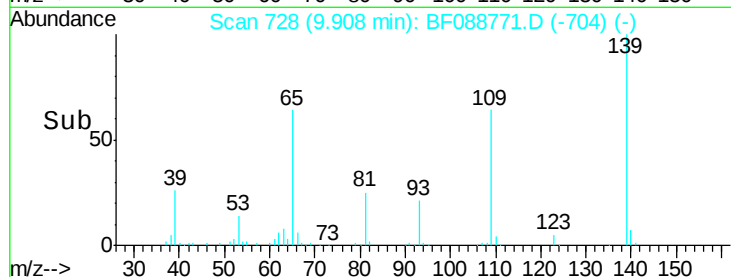
65 64.4 84.9 124.9#



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: 27.51 ng

RT: 9.98 min Scan# 734

Delta R.T. -0.02 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

Tgt Ion:165 Resp: 88654

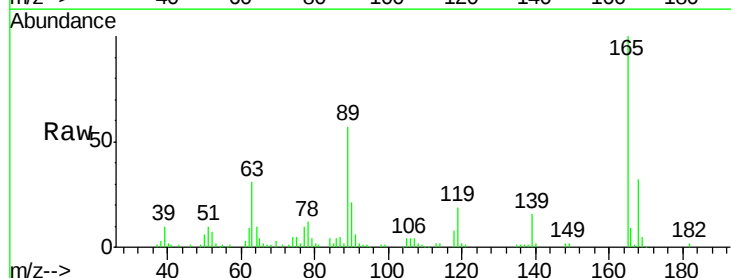
Ion Ratio Lower Upper

165 100

63 31.5 22.0 33.0

89 57.0 41.1 61.7

182 2.5 2.0 3.0

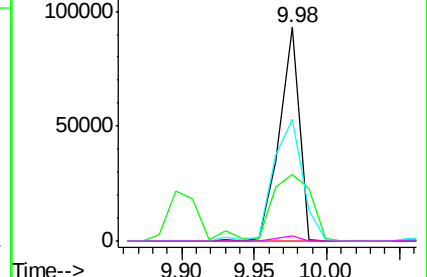
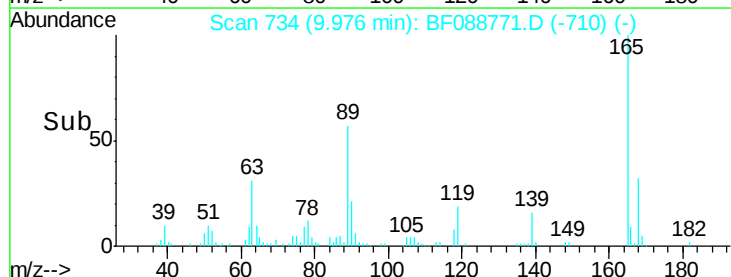


Abundance Ion 165.00 (164.70 to 165.70): E

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

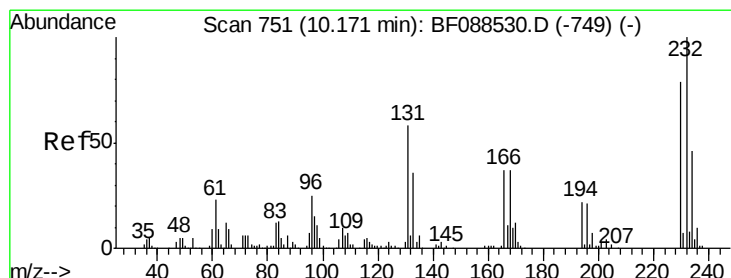
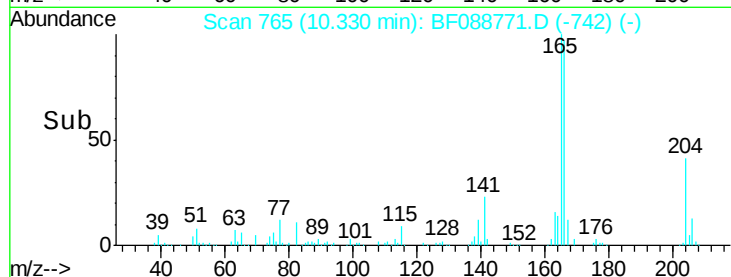
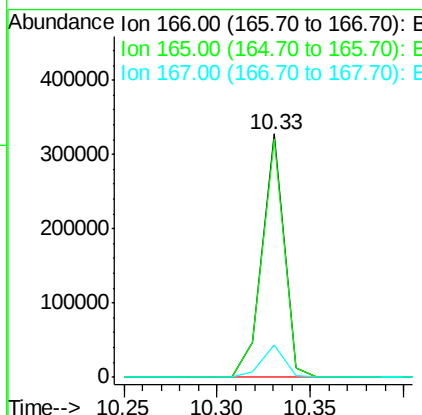
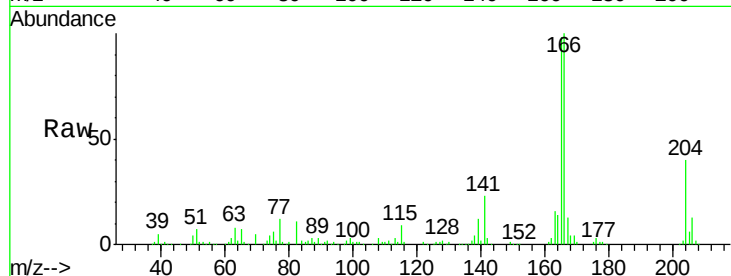




#57
 Fluorene
 Concen: 26.77 ng
 RT: 10.33 min Scan# 765
 Delta R.T. -0.03 min
 Lab File: BF088771.D
 Acq: 7 Jul 2016 9:10

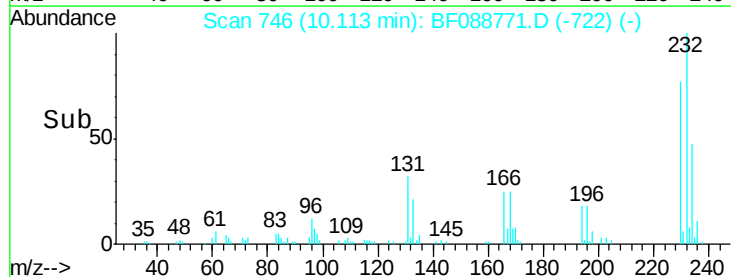
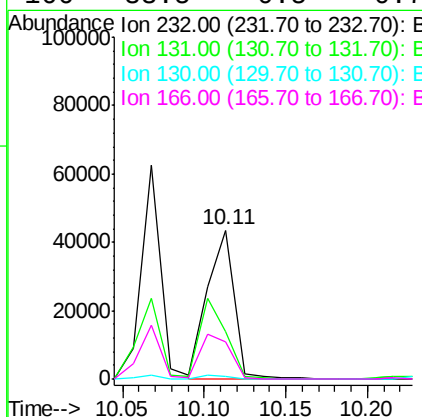
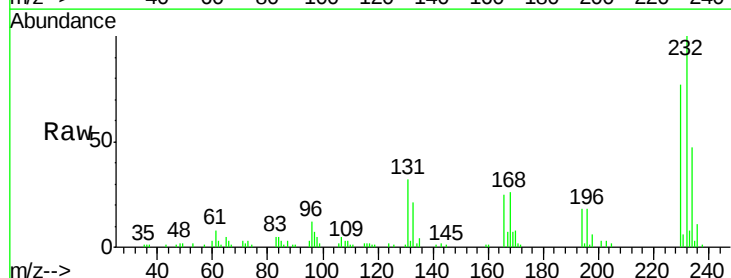
Instrument :
 BNA_F
 ClientSampleId :

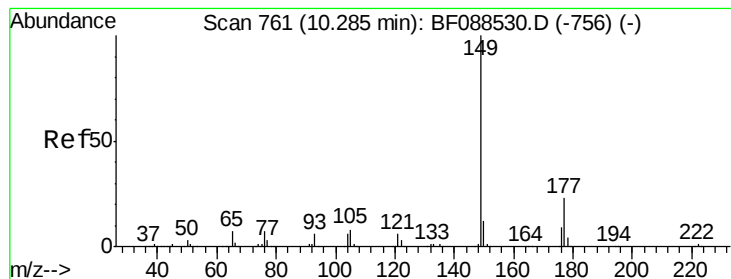
Tot Ion:166 Resp: 267224
 Ion Ratio Lower Upper
 166 100
 165 98.1 77.8 116.8
 167 13.3 11.2 16.8



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 22.13 ng
 RT: 10.11 min Scan# 746
 Delta R.T. -0.02 min
 Lab File: BF088771.D
 Acq: 7 Jul 2016 9:10

Tgt Ion:232 Resp: 50436
 Ion Ratio Lower Upper
 232 100
 131 52.0 0.9 1.3#
 130 2.5 1.5 2.3#
 166 33.5 0.5 0.7#





#59

Diethylphthalate

Concen: 28.26 ng

RT: 10.22 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

Instrument :

BNA_F

ClientSampleId :

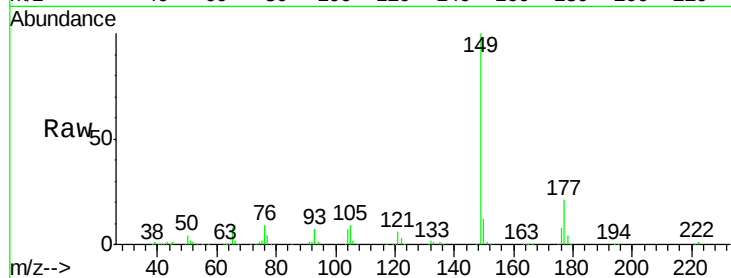
Tot Ion:149 Resp: 315413

Ion Ratio Lower Upper

149 100

177 21.2 16.9 25.3

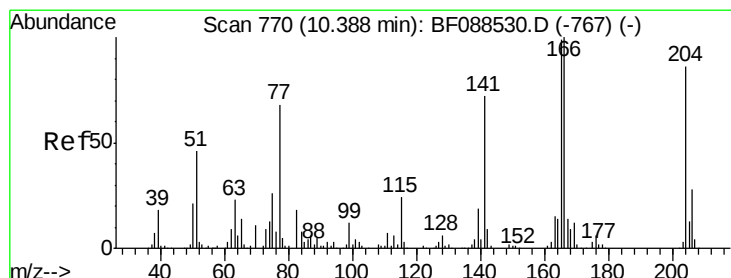
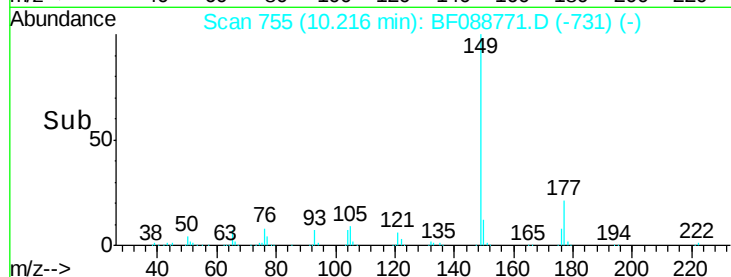
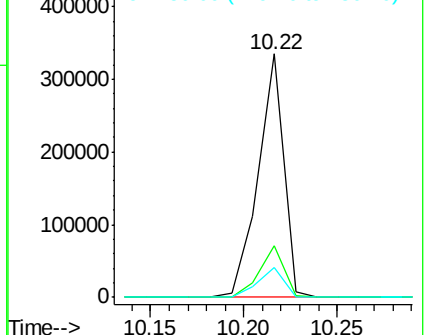
150 12.4 10.1 15.1



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: 26.38 ng

RT: 10.33 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

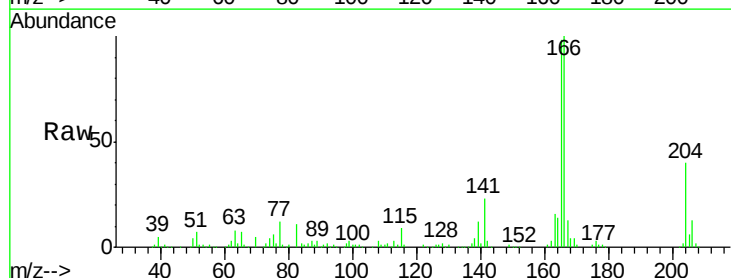
Tgt Ion:204 Resp: 122350

Ion Ratio Lower Upper

204 100

206 32.9 26.3 39.5

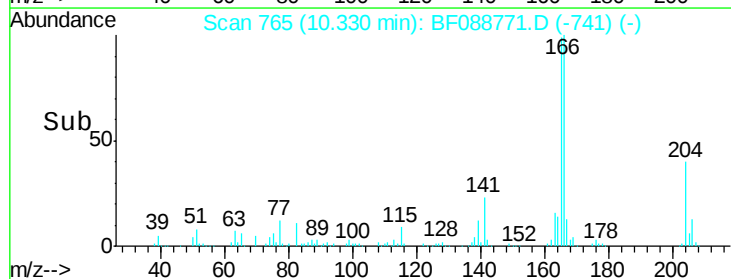
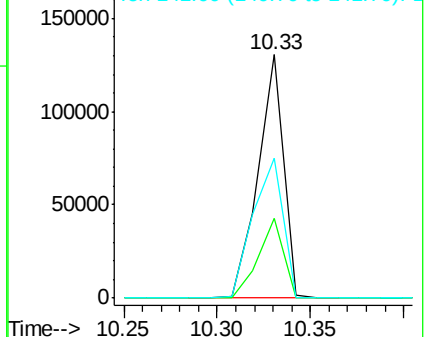
141 57.3 55.0 82.6

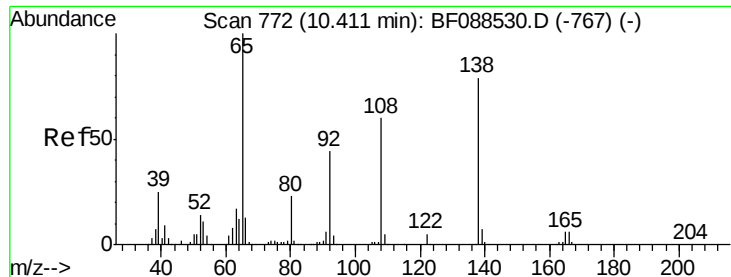


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 17.91 ng

RT: 10.34 min Scan# 766

Delta R.T. -0.03 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

Instrument :

BNA_F

ClientSampleId :

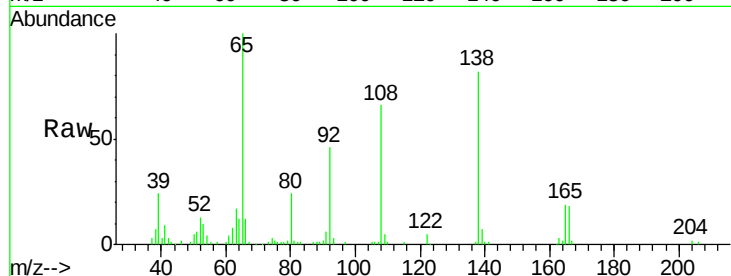
Tot Ion:138 Resp: 53994

Ion Ratio Lower Upper

138 100

92 56.8 27.3 67.3

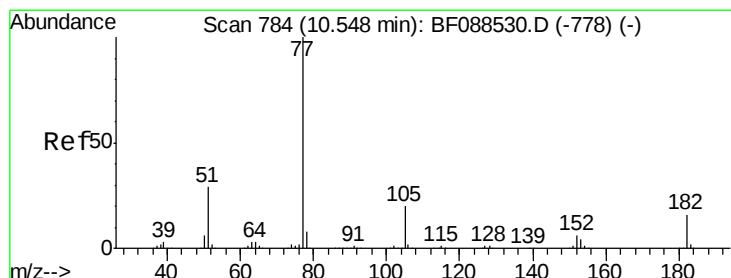
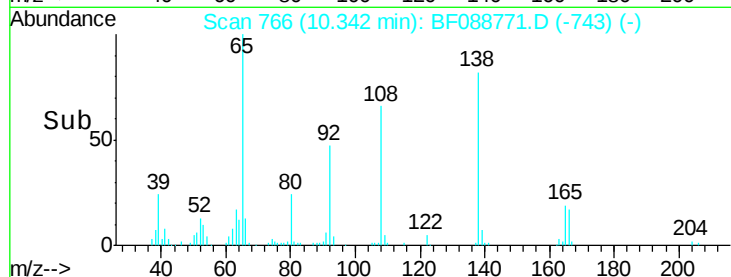
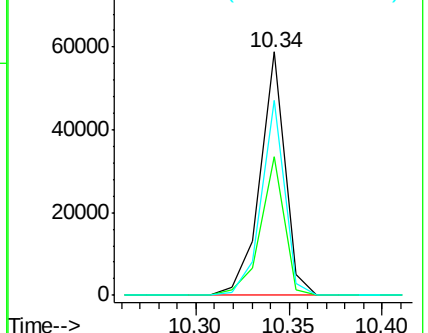
108 80.2 46.7 86.7



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: 24.80 ng

RT: 10.48 min Scan# 778

Delta R.T. -0.03 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

Tgt Ion: 77 Resp: 315726

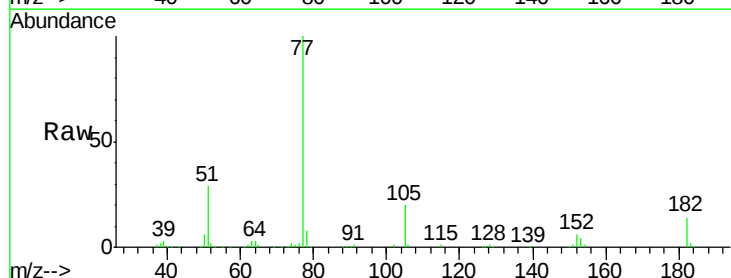
Ion Ratio Lower Upper

77 100

182 14.0 4.4 44.4

105 19.6 3.8 43.8

51 29.0 9.3 49.3

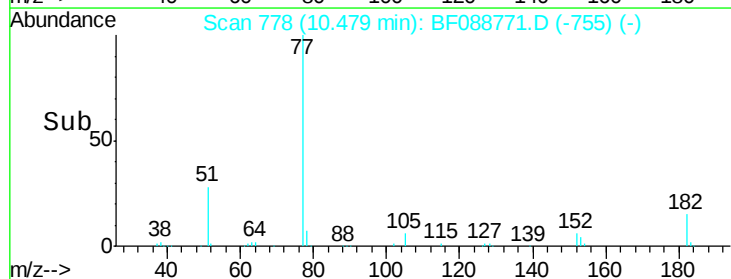
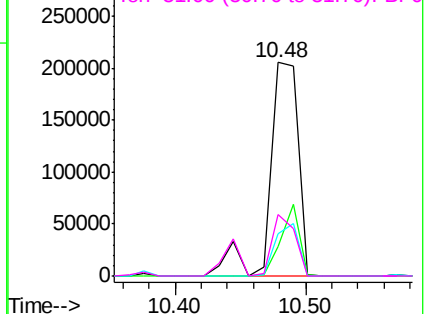


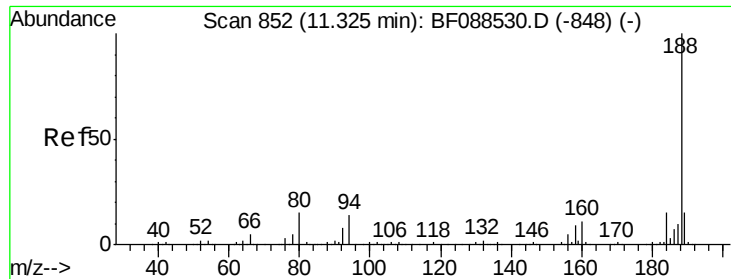
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

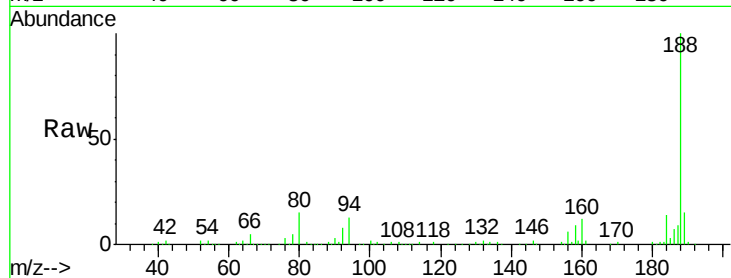




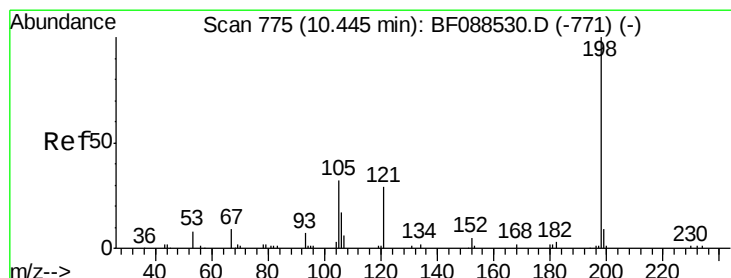
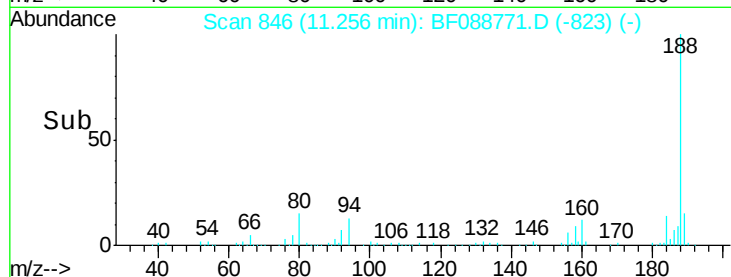
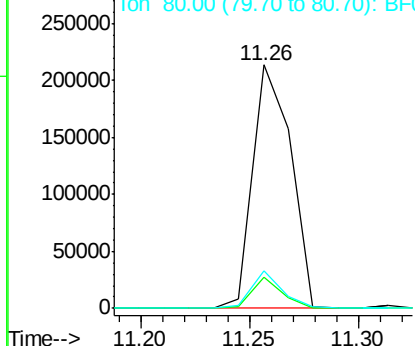
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 846
 Delta R.T. -0.03 min
 Lab File: BF088771.D
 Acq: 7 Jul 2016 9:10

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:188 Resp: 261469
 Ion Ratio Lower Upper
 188 100
 94 13.0 9.0 13.6
 80 15.4 10.0 15.0#

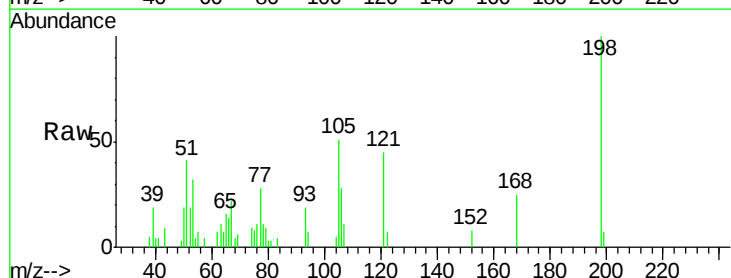


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

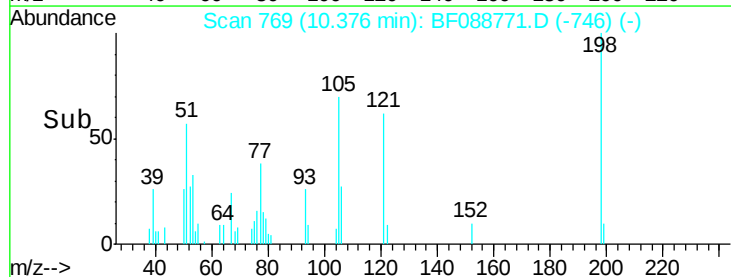
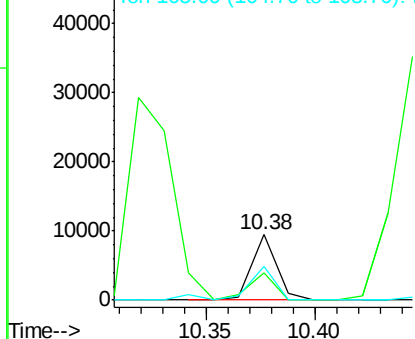


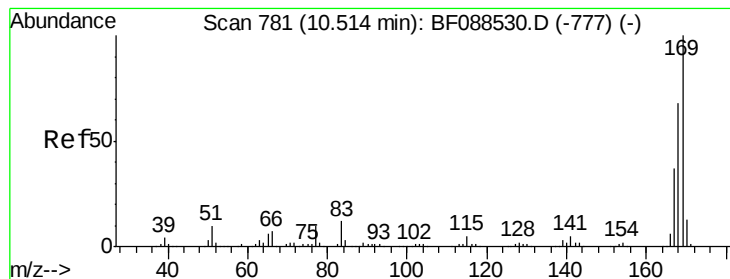
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.30 ng
 RT: 10.38 min Scan# 769
 Delta R.T. -0.03 min
 Lab File: BF088771.D
 Acq: 7 Jul 2016 9:10

Tgt Ion:198 Resp: 7408
 Ion Ratio Lower Upper
 198 100
 51 41.4 39.6 79.6
 105 50.7 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

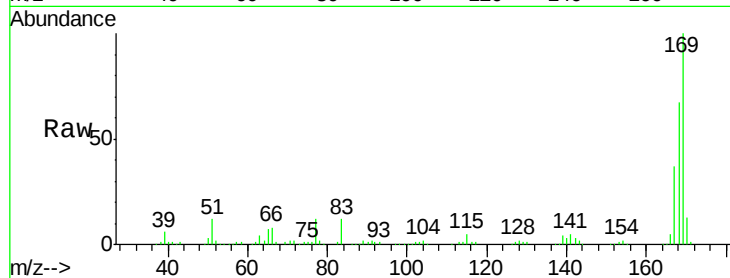




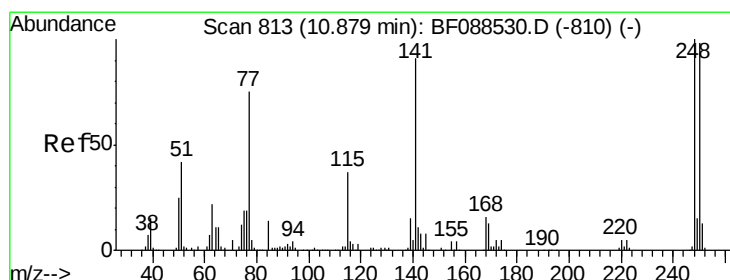
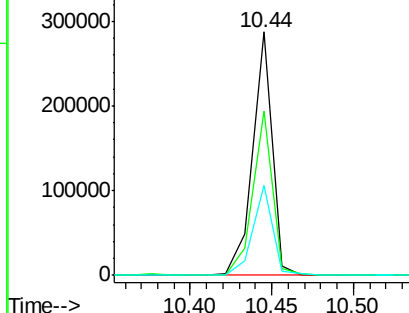
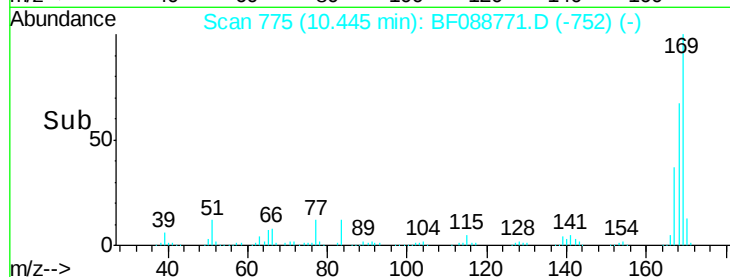
#65
 n-Nitrosodiphenylamine
 Concen: 27.10 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.03 min
 Lab File: BF088771.D
 Acq: 7 Jul 2016 9:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	169	Resp	239829
Ion	Ratio	Lower	Upper
169	100		
168	67.3	53.4	80.0
167	36.7	29.4	44.0

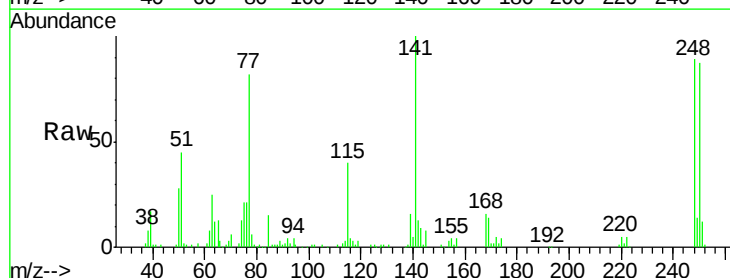


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

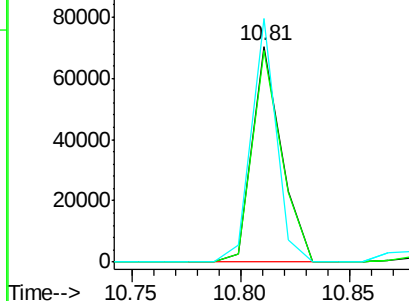
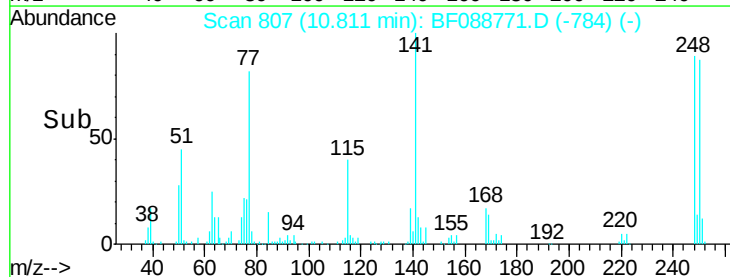


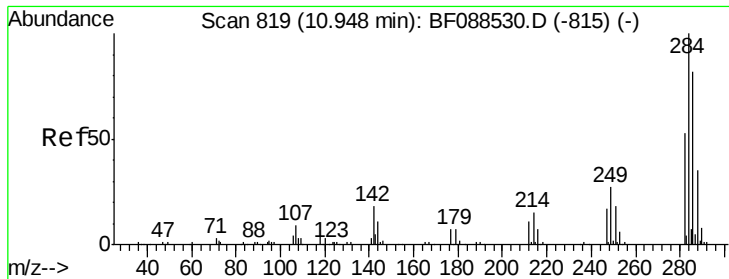
#66
 4-Bromophenyl-phenylether
 Concen: 25.00 ng
 RT: 10.81 min Scan# 807
 Delta R.T. -0.03 min
 Lab File: BF088771.D
 Acq: 7 Jul 2016 9:10

Tgt Ion	248	Resp	65886
Ion	Ratio	Lower	Upper
248	100		
250	98.2	77.1	115.7
141	113.0	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

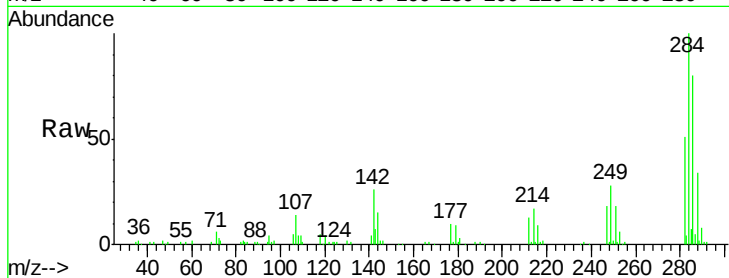




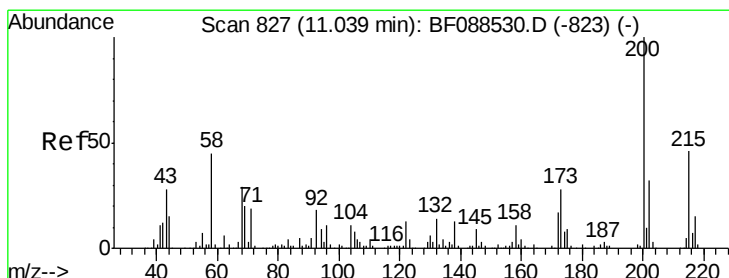
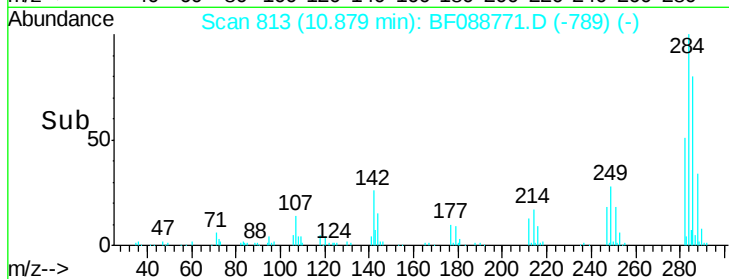
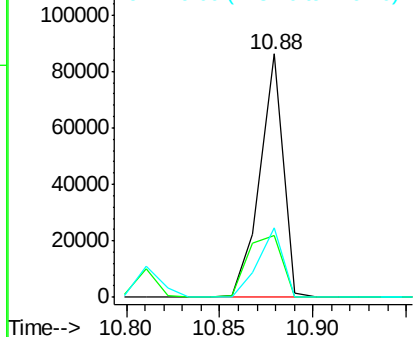
#67
Hexachlorobenzene
Concen: 25.98 ng
RT: 10.88 min Scan# 813
Delta R.T. -0.02 min
Lab File: BF088771.D
Acq: 7 Jul 2016 9:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:284 Resp: 75771
Ion Ratio Lower Upper
284 100
142 25.6 35.8 53.8#
249 28.5 25.8 38.6

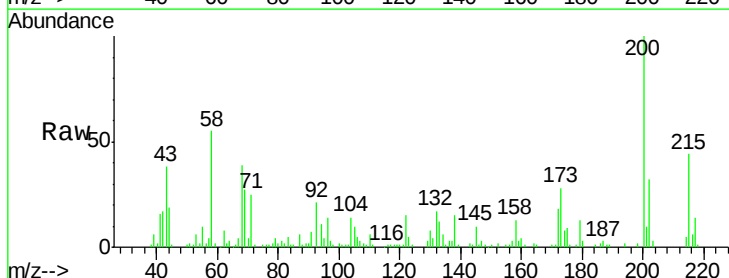


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

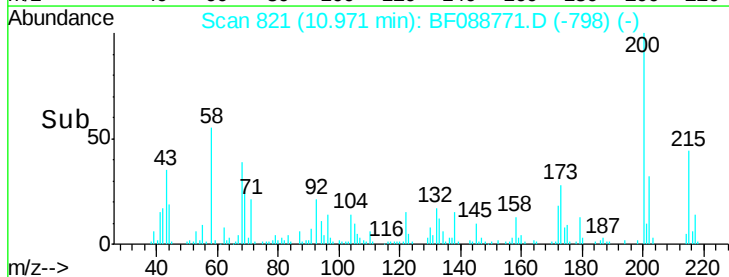
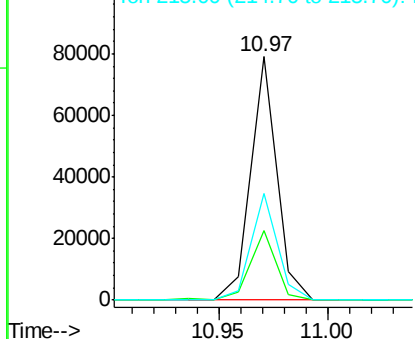


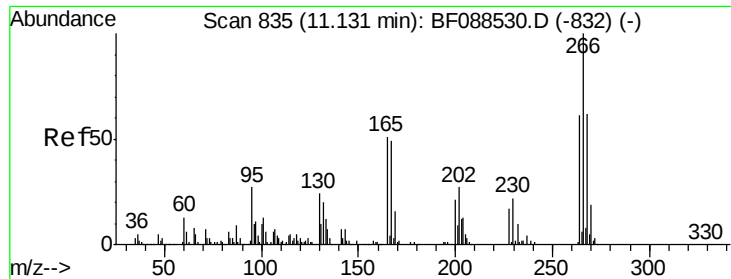
#68
Atrazine
Concen: 23.78 ng
RT: 10.97 min Scan# 821
Delta R.T. -0.03 min
Lab File: BF088771.D
Acq: 7 Jul 2016 9:10

Tgt Ion:200 Resp: 65583
Ion Ratio Lower Upper
200 100
173 28.5 4.0 44.0
215 43.8 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

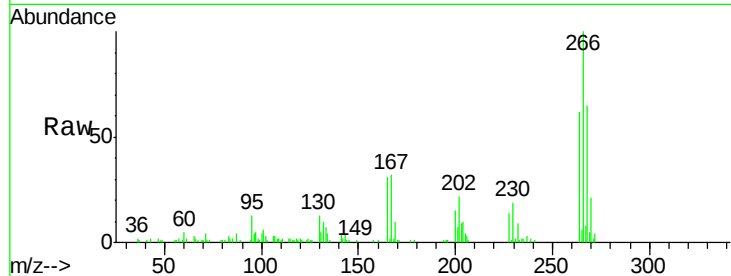




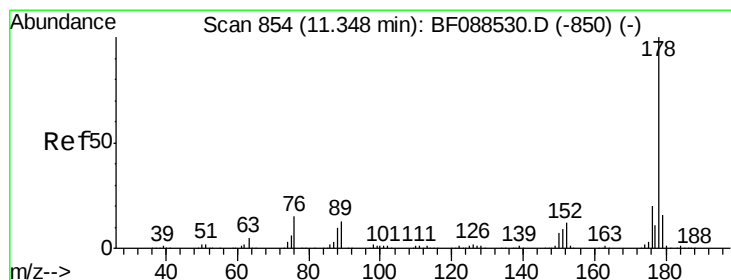
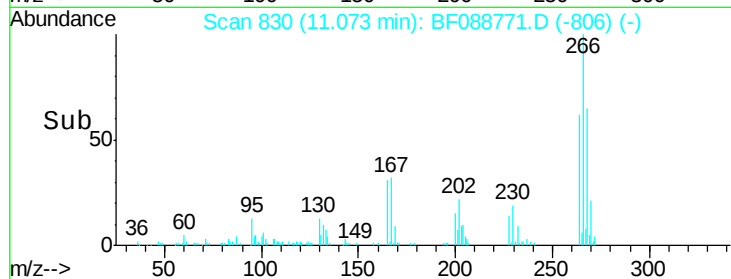
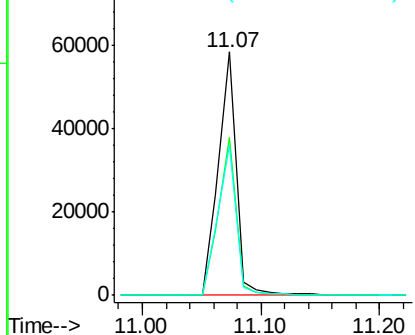
#69
 Pentachlorophenol
 Concen: 35.27 ng
 RT: 11.07 min Scan# 830
 Delta R.T. -0.02 min
 Lab File: BF088771.D
 Acq: 7 Jul 2016 9:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:266 Resp: 60880
 Ion Ratio Lower Upper
 266 100
 268 64.7 52.8 79.2
 264 61.6 49.6 74.4

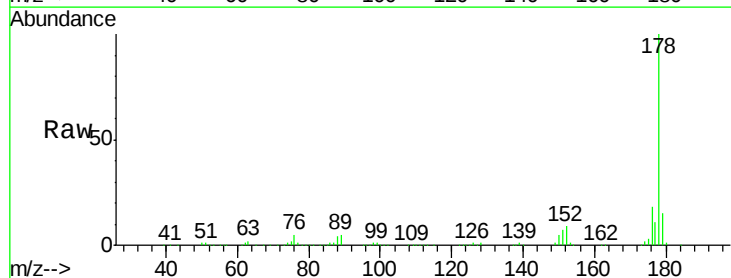


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

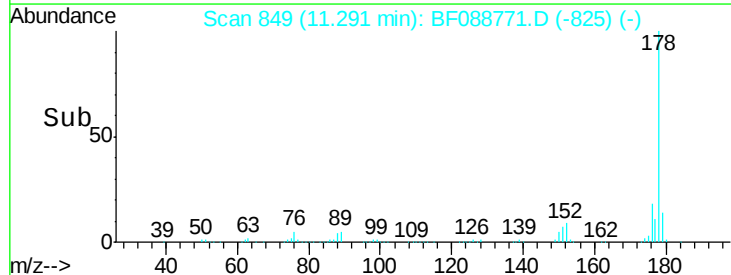
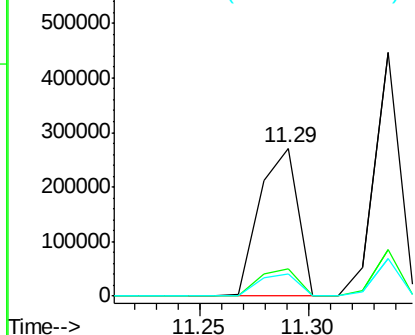


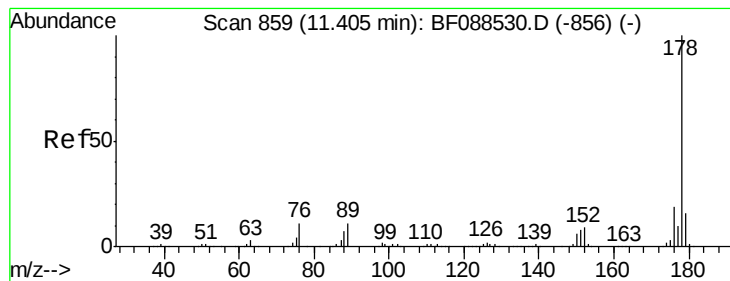
#70
 Phenanthrene
 Concen: 23.47 ng
 RT: 11.29 min Scan# 849
 Delta R.T. -0.02 min
 Lab File: BF088771.D
 Acq: 7 Jul 2016 9:10

Tgt Ion:178 Resp: 335472
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.8 23.6
 179 14.8 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: 25.21 ng

RT: 11.34 min Scan# 853

Delta R.T. -0.03 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

Instrument :

BNA_F

ClientSampleId :

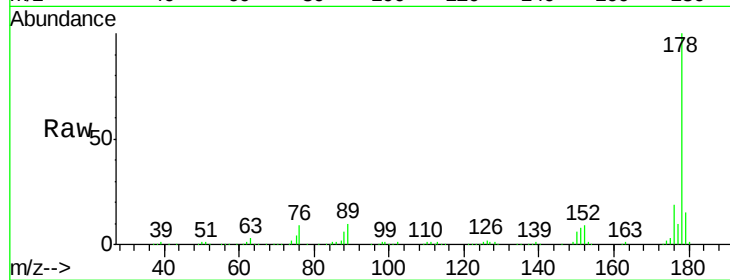
Tot Ion:178 Resp: 358293

Ion Ratio Lower Upper

178 100

176 19.0 15.6 23.4

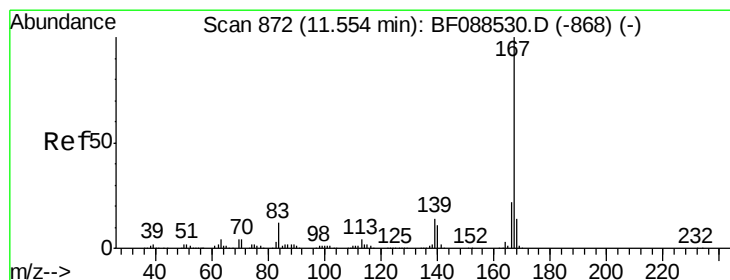
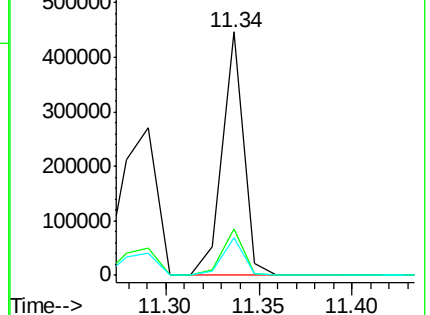
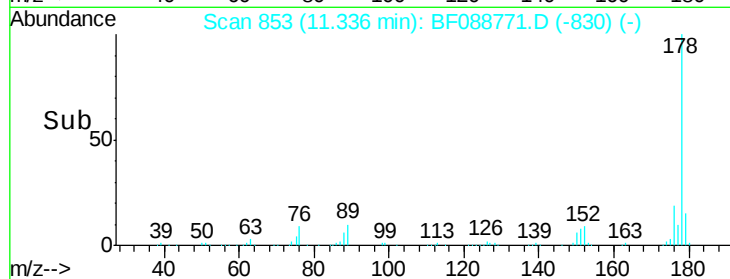
179 15.3 12.8 19.2



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: 22.39 ng

RT: 11.48 min Scan# 866

Delta R.T. -0.03 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

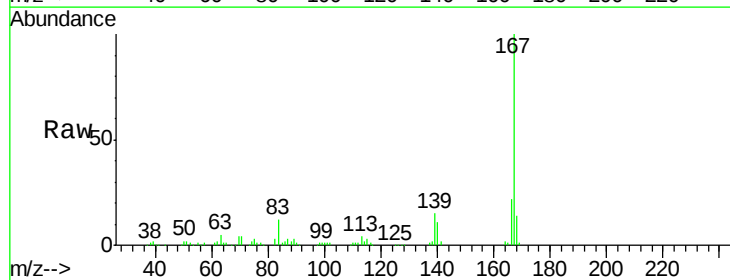
Tgt Ion:167 Resp: 299558

Ion Ratio Lower Upper

167 100

166 21.5 17.8 26.6

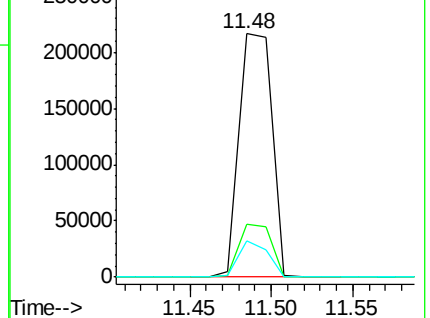
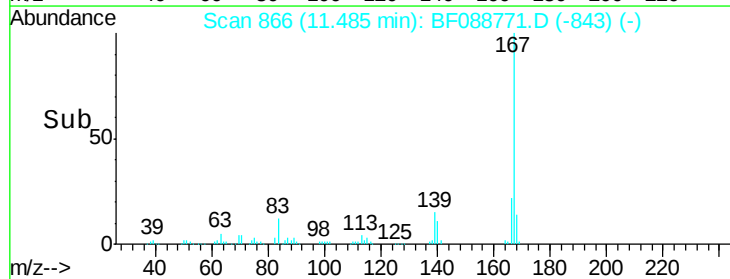
139 14.7 11.2 16.8



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 27.41 ng

RT: 11.84 min Scan# 897

Delta R.T. -0.02 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

Instrument :

BNA_F

ClientSampleId :

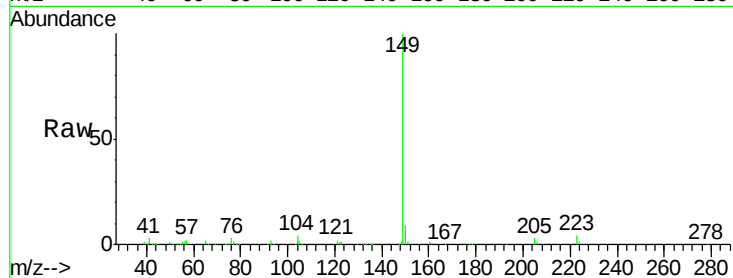
Tot Ion:149 Resp: 426553

Ion Ratio Lower Upper

149 100

150 8.6 7.8 11.6

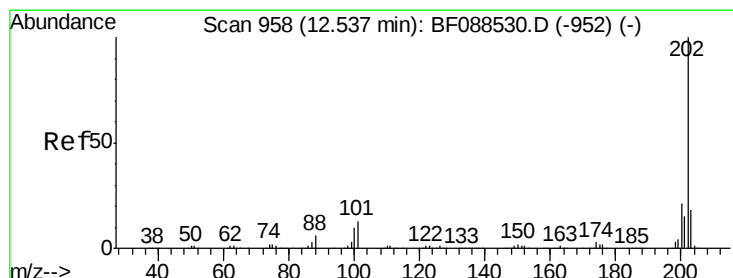
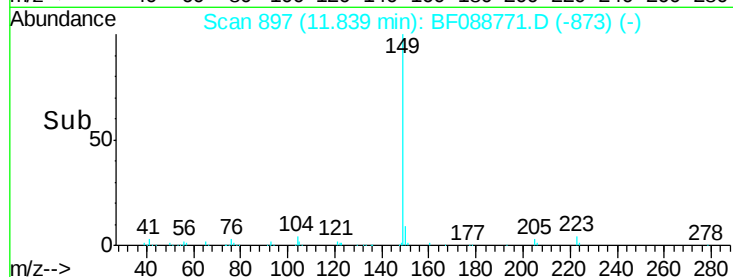
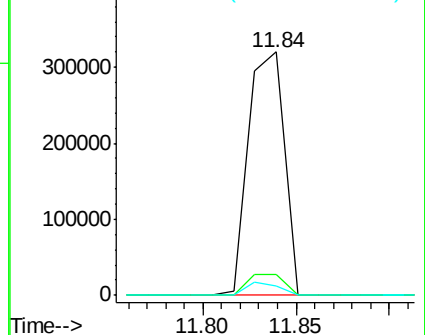
104 3.9 4.0 6.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 21.95 ng

RT: 12.47 min Scan# 952

Delta R.T. -0.02 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

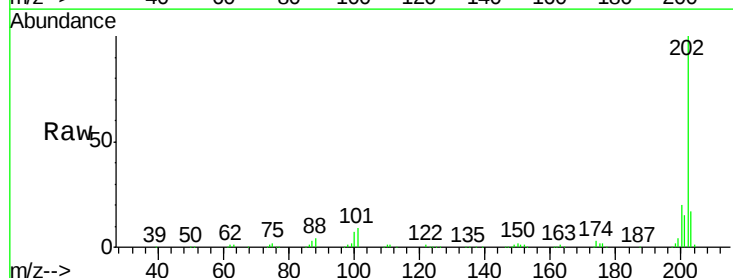
Tgt Ion:202 Resp: 318122

Ion Ratio Lower Upper

202 100

101 9.4 0.0 33.1

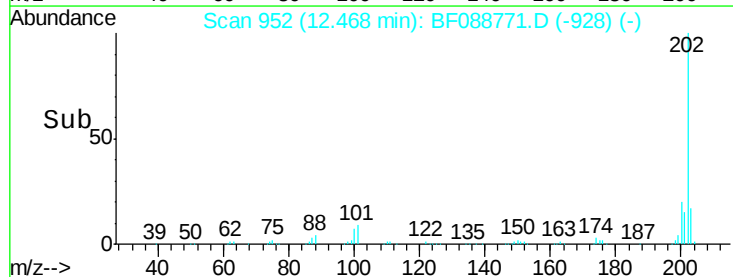
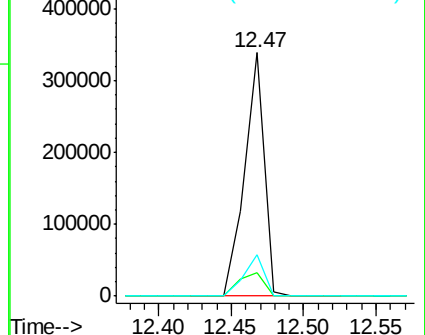
203 17.0 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1076

Delta R.T. -0.03 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

Instrument :

BNA_F

ClientSampleId :

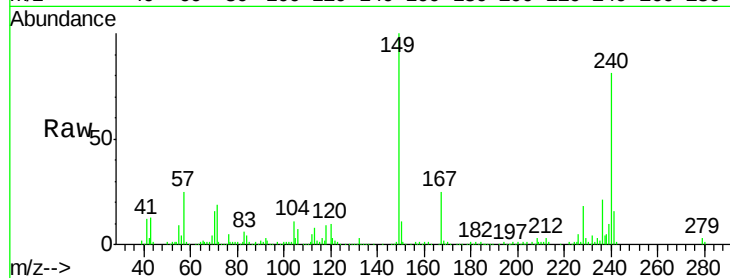
Tot Ion:240 Resp: 176227

Ion Ratio Lower Upper

240 100

120 11.8 6.8 10.2#

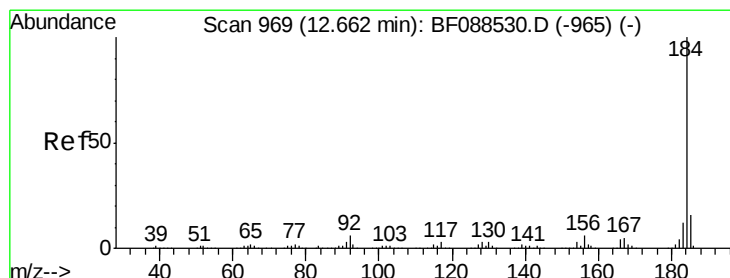
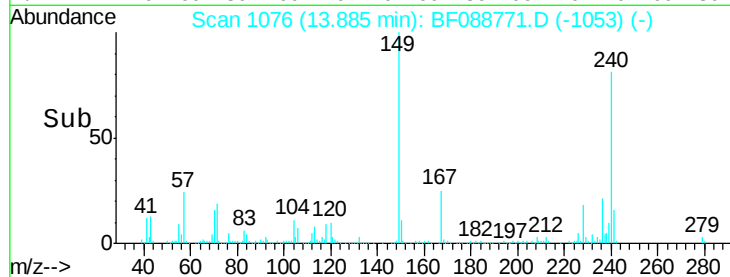
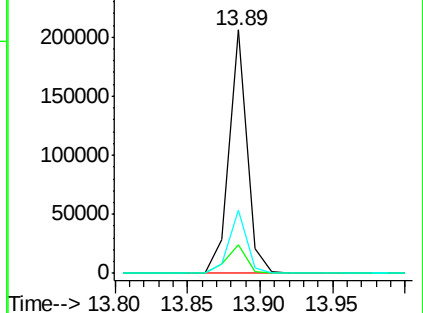
236 25.8 20.2 30.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 29.02 ng

RT: 12.59 min Scan# 963

Delta R.T. -0.02 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

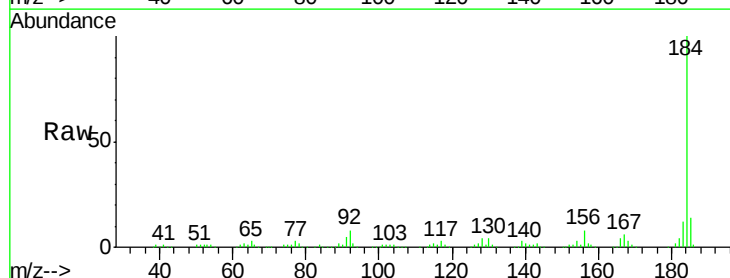
Tgt Ion:184 Resp: 258500

Ion Ratio Lower Upper

184 100

185 14.4 12.5 18.7

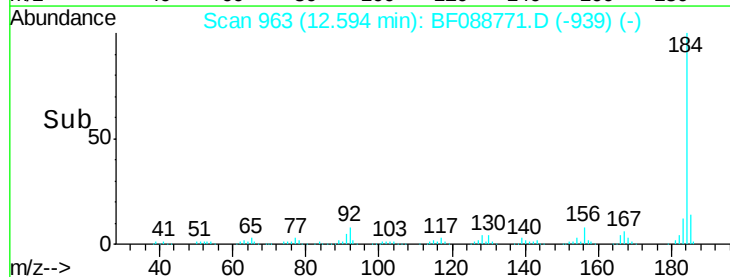
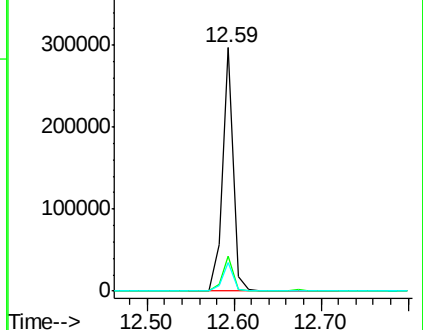
183 11.7 9.3 13.9

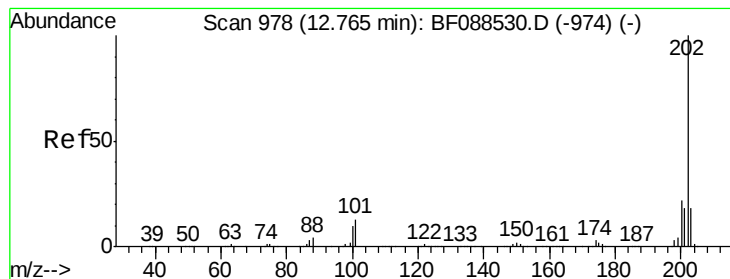


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 19.72 ng

RT: 12.70 min Scan# 972

Delta R.T. -0.02 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

Instrument :

BNA_F

ClientSampleId :

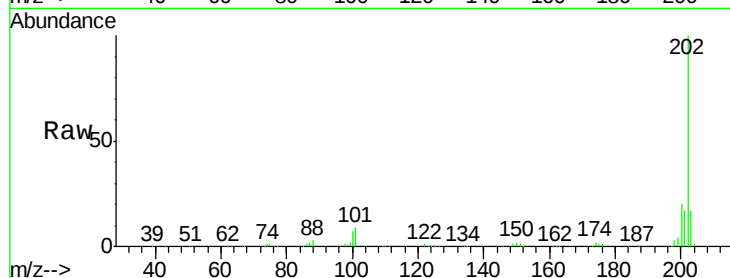
Tot Ion:202 Resp: 294663

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

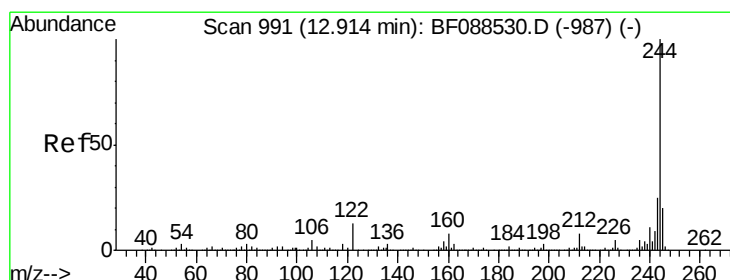
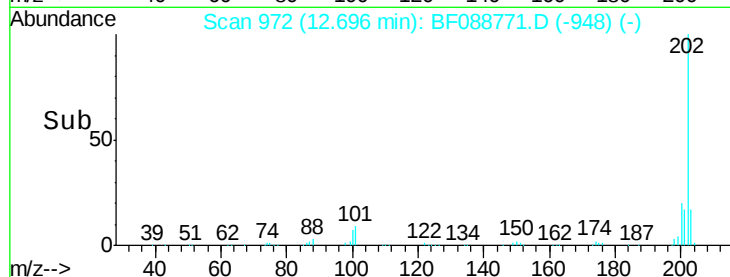
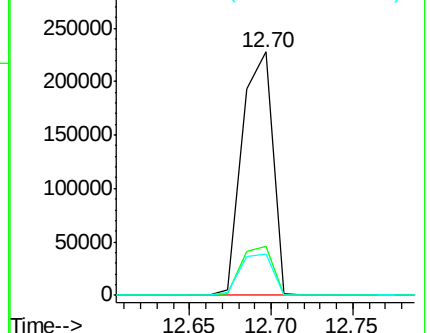
203 17.1 14.5 21.7



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: 53.97 ng

RT: 12.85 min Scan# 985

Delta R.T. -0.02 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

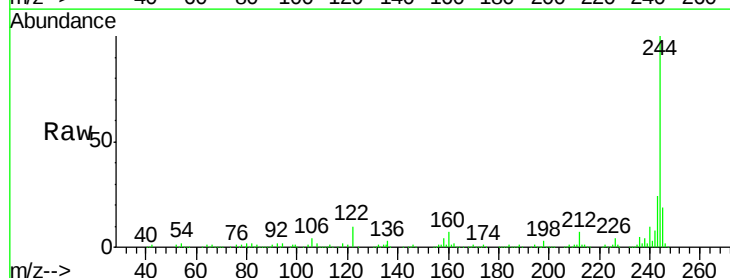
Tgt Ion:244 Resp: 427038

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

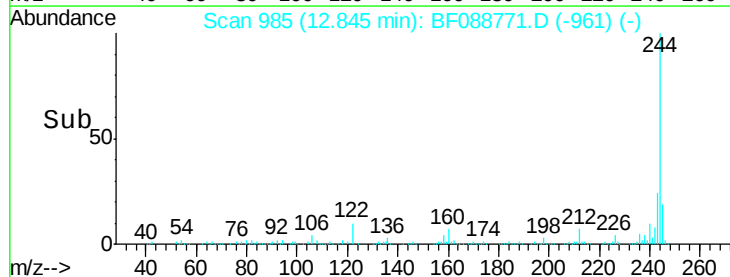
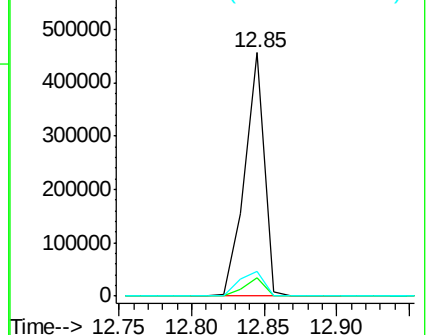
122 9.9 11.2 16.8#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 22.14 ng

RT: 13.33 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

Instrument :

BNA_F

ClientSampleId :

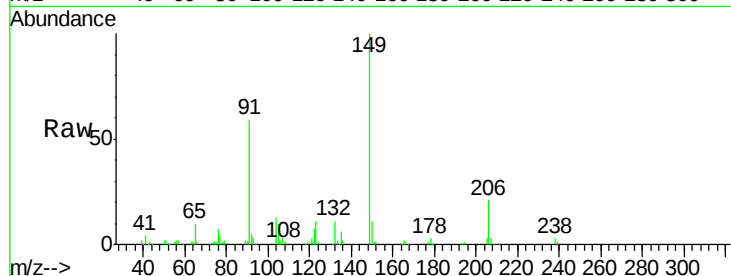
Tot Ion:149 Resp: 147584

Ion Ratio Lower Upper

149 100

91 58.5 48.0 72.0

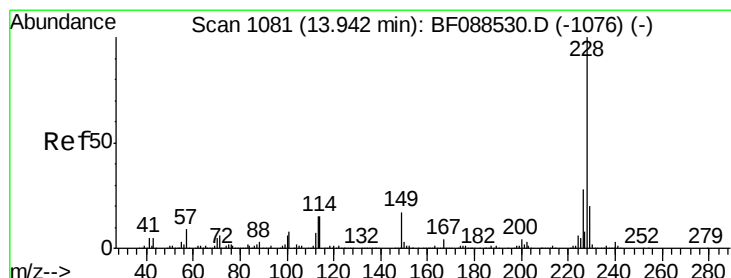
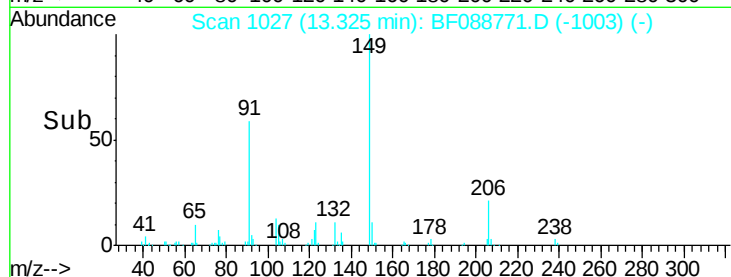
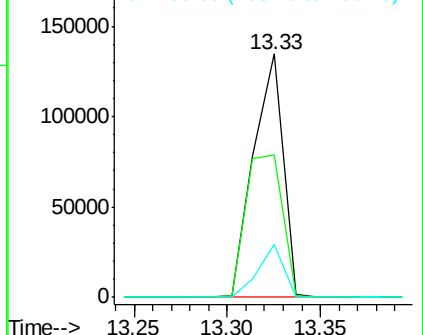
206 21.5 16.0 24.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 22.92 ng

RT: 13.87 min Scan# 1075

Delta R.T. -0.03 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

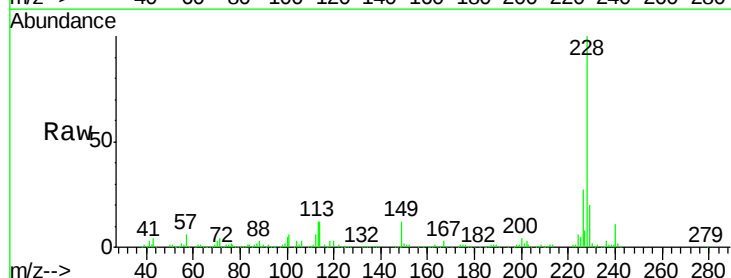
Tgt Ion:228 Resp: 260093

Ion Ratio Lower Upper

228 100

226 26.8 22.3 33.5

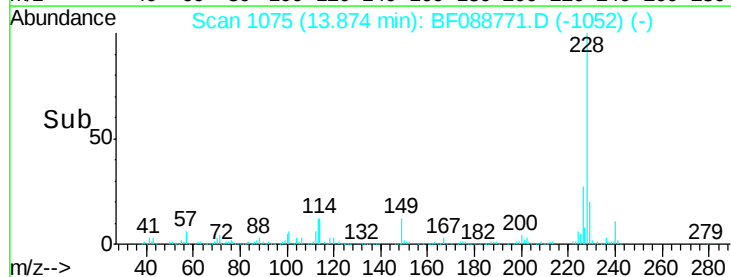
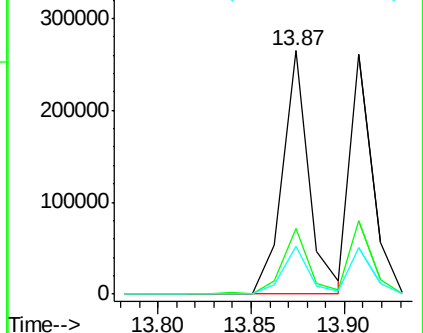
229 19.6 16.0 24.0

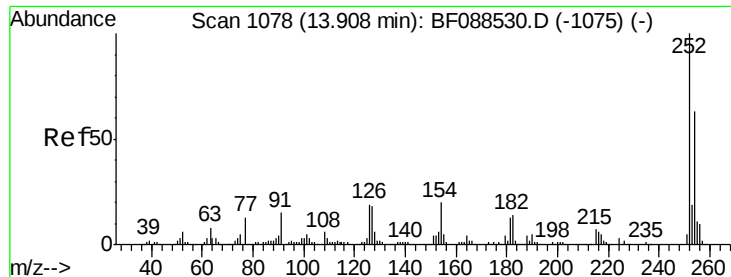


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

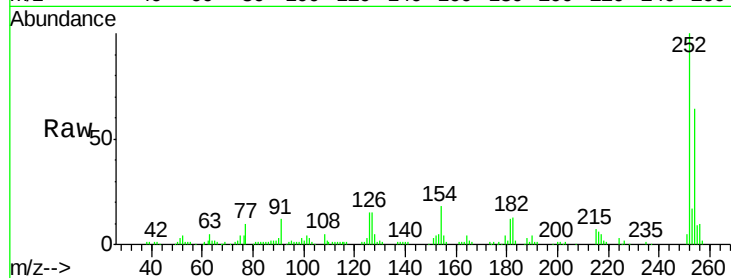




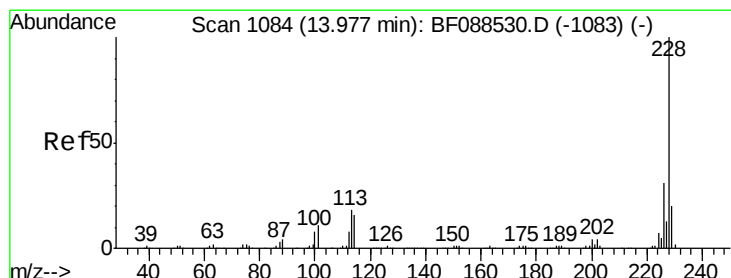
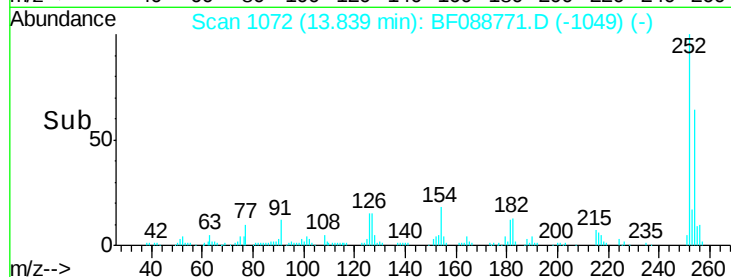
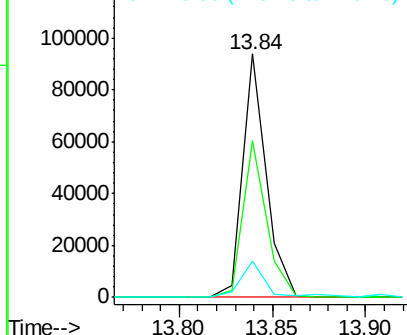
#81
 3,3'-Dichlorobenzidine
 Concen: 19.32 ng
 RT: 13.84 min Scan# 1072
 Delta R.T. -0.03 min
 Lab File: BF088771.D
 Acq: 7 Jul 2016 9:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:252 Resp: 82423
 Ion Ratio Lower Upper
 252 100
 254 64.1 52.6 78.8
 126 15.0 6.2 9.2#

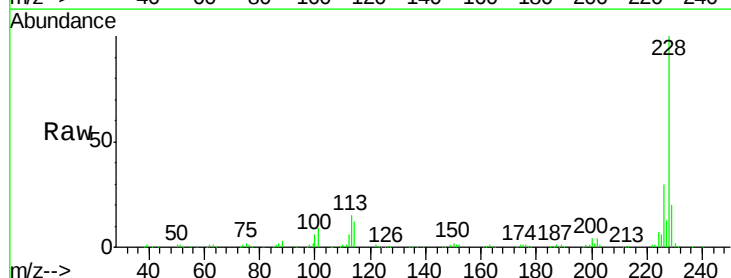


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

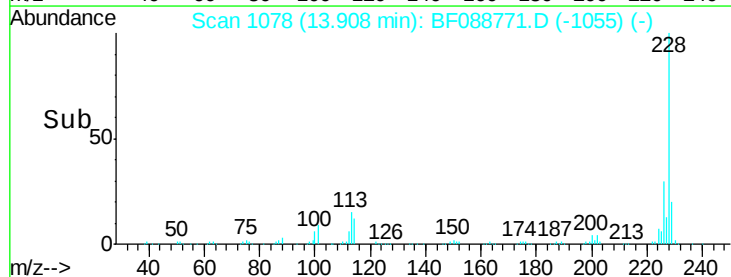
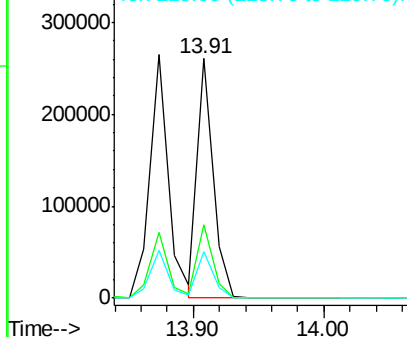


#82
 Chrysene
 Concen: 19.63 ng
 RT: 13.91 min Scan# 1078
 Delta R.T. -0.03 min
 Lab File: BF088771.D
 Acq: 7 Jul 2016 9:10

Tgt Ion:228 Resp: 220399
 Ion Ratio Lower Upper
 228 100
 226 30.4 25.4 38.2
 229 19.6 16.3 24.5



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

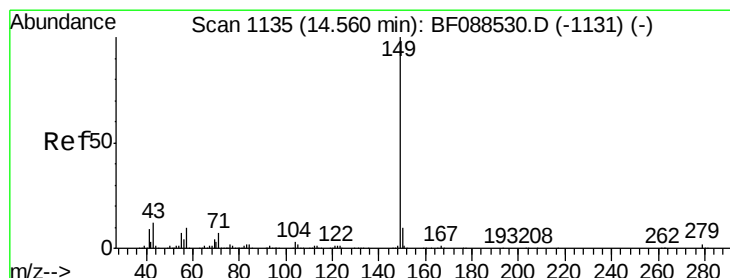
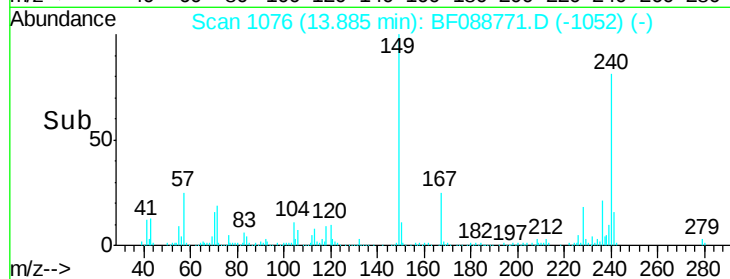
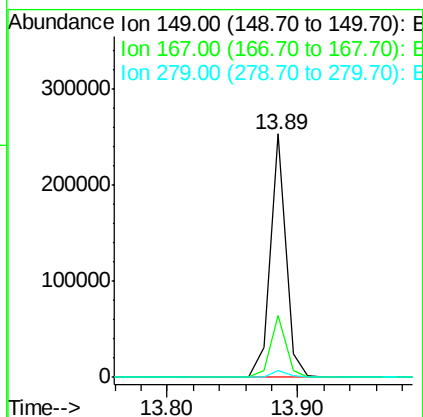
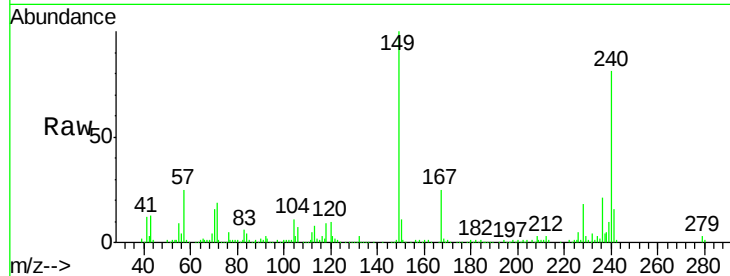




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 28.08 ng
 RT: 13.89 min Scan# 1076
 Delta R.T. -0.02 min
 Lab File: BF088771.D
 Acq: 7 Jul 2016 9:10

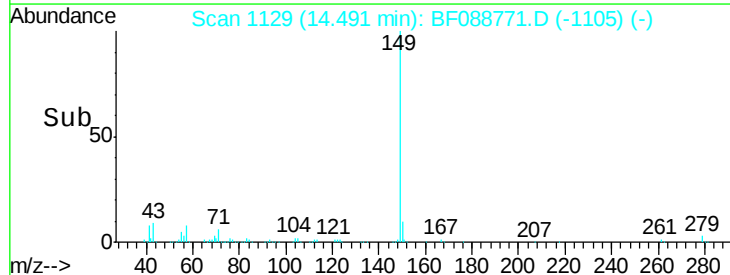
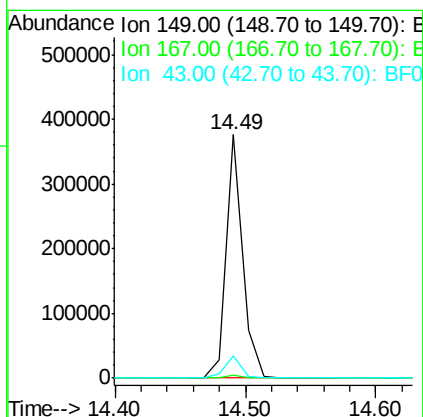
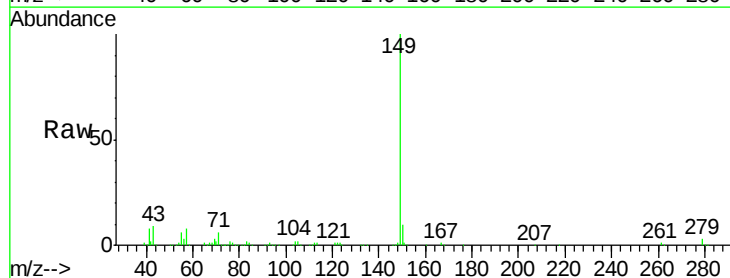
Instrument :
 BNA_F
 ClientSampleId :

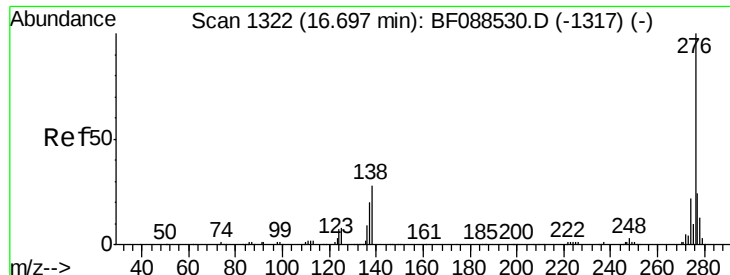
Tot Ion:149 Resp: 213647
 Ion Ratio Lower Upper
 149 100
 167 25.4 20.5 30.7
 279 2.8 2.0 3.0



#84
 Di-n-octyl phthalate
 Concen: 25.66 ng
 RT: 14.49 min Scan# 1129
 Delta R.T. -0.02 min
 Lab File: BF088771.D
 Acq: 7 Jul 2016 9:10

Tgt Ion:149 Resp: 331648
 Ion Ratio Lower Upper
 149 100
 167 1.5 0.0 0.0#
 43 8.8 0.0 0.0#

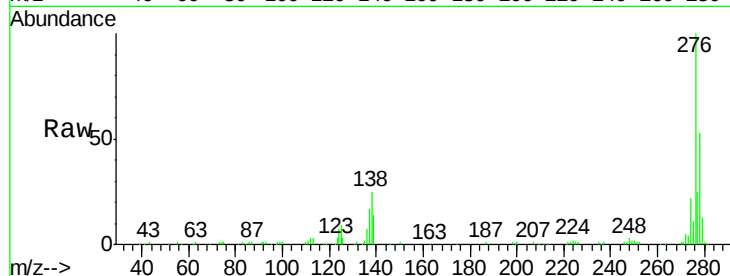




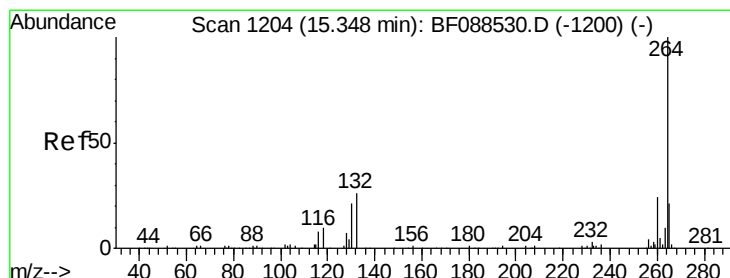
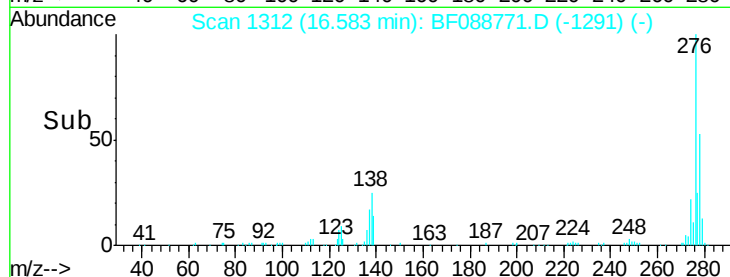
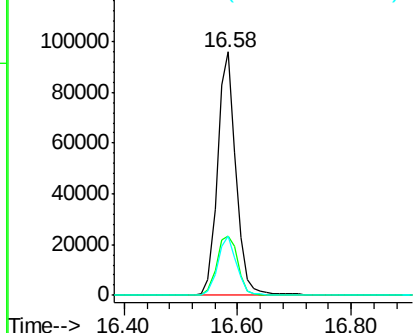
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 24.95 ng
 RT: 16.58 min Scan# 1312
 Delta R.T. -0.06 min
 Lab File: BF088771.D
 Acq: 7 Jul 2016 9:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 215524
 Ion Ratio Lower Upper
 276 100
 138 27.9 0.0 0.0#
 277 24.7 0.0 0.0#

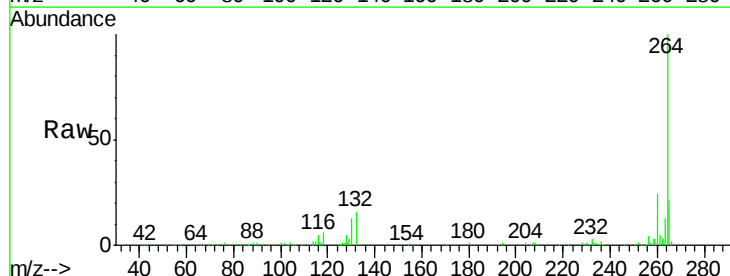


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

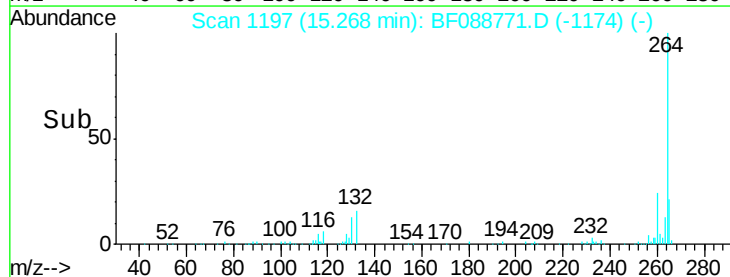
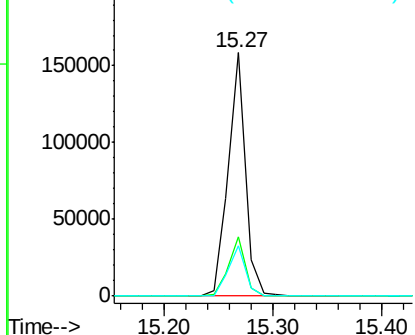


#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.27 min Scan# 1197
 Delta R.T. -0.03 min
 Lab File: BF088771.D
 Acq: 7 Jul 2016 9:10

Tgt Ion:264 Resp: 174157
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 20.8 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: 42.24 ng

RT: 14.88 min Scan# 1163

Delta R.T. -0.03 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

Instrument :

BNA_F

ClientSampleId :

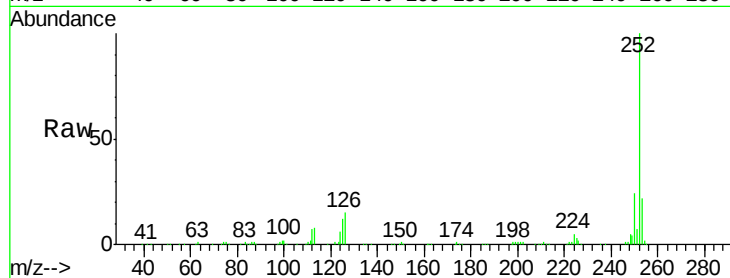
Tot Ion:252 Resp: 461503

Ion Ratio Lower Upper

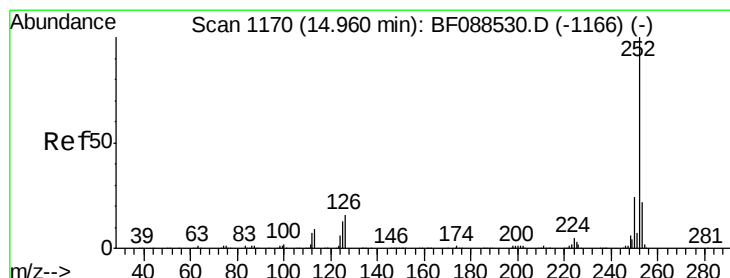
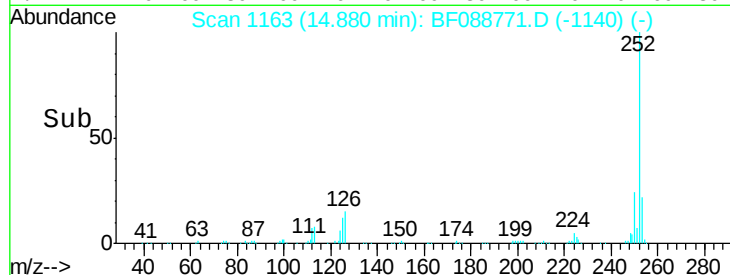
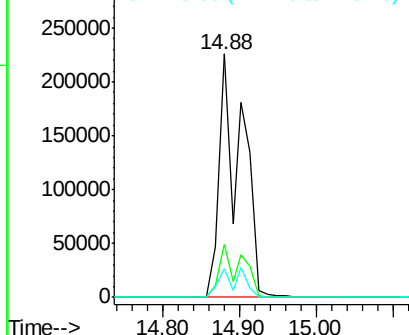
252 100

253 21.7 17.4 26.2

125 11.7 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: 48.52 ng

RT: 14.88 min Scan# 1163

Delta R.T. -0.07 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

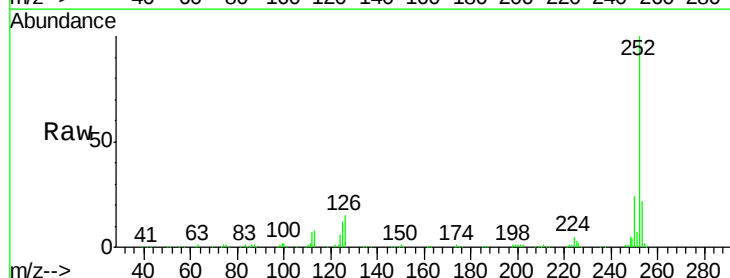
Tgt Ion:252 Resp: 461503

Ion Ratio Lower Upper

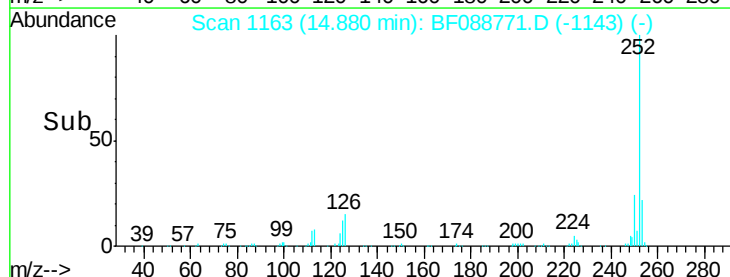
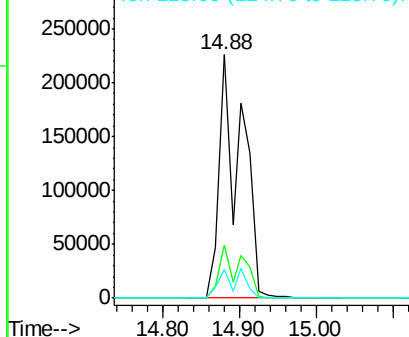
252 100

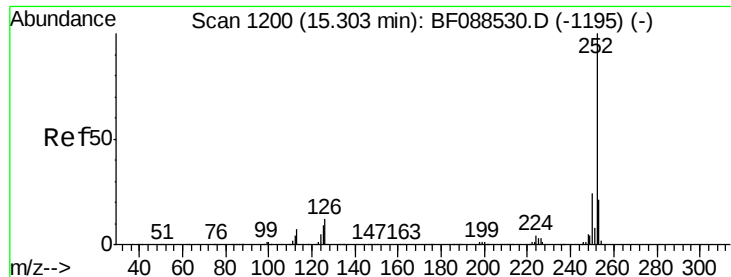
253 21.7 18.0 27.0

125 11.7 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: 23.65 ng

RT: 15.21 min Scan# 1192

Delta R.T. -0.03 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

Instrument :

BNA_F

ClientSampleId :

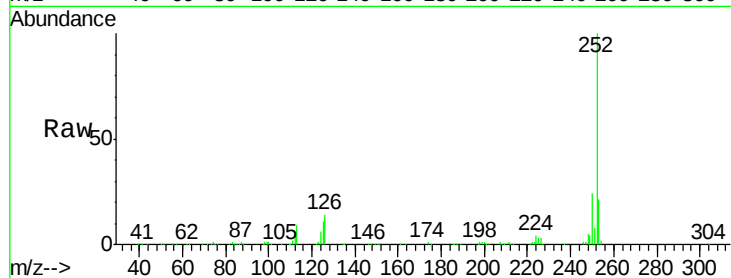
Tot Ion:252 Resp: 218789

Ion Ratio Lower Upper

252 100

253 21.4 17.9 26.9

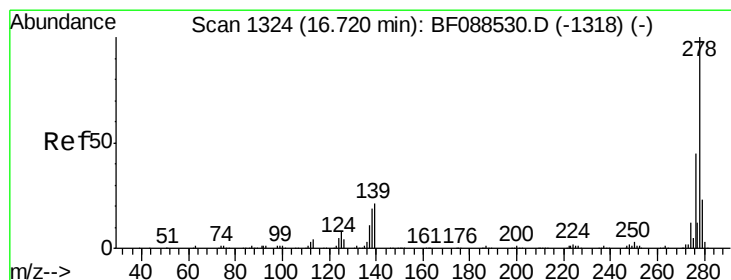
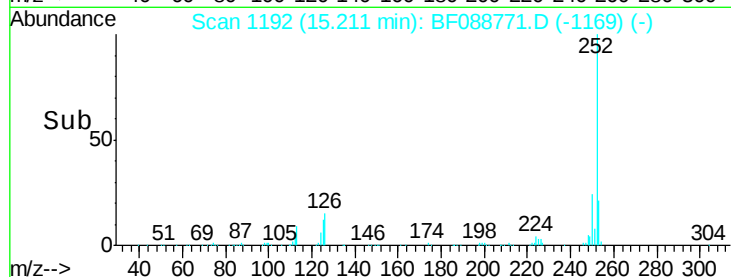
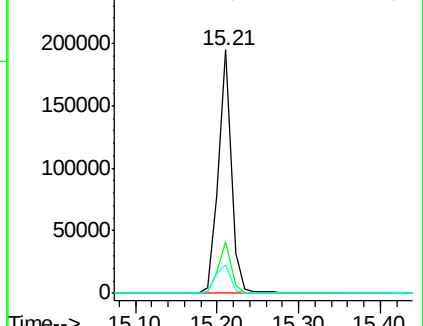
125 11.5 12.5 18.7#



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: 23.63 ng

RT: 16.59 min Scan# 1313

Delta R.T. -0.06 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

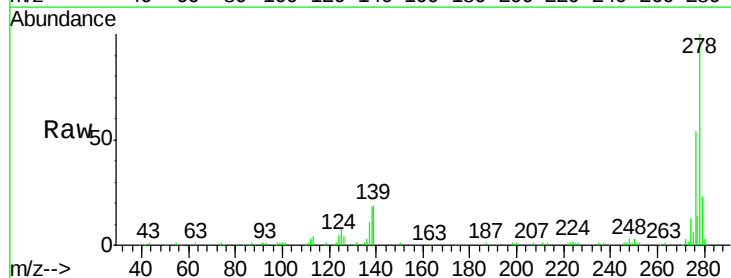
Tgt Ion:278 Resp: 182529

Ion Ratio Lower Upper

278 100

139 19.0 15.7 23.5

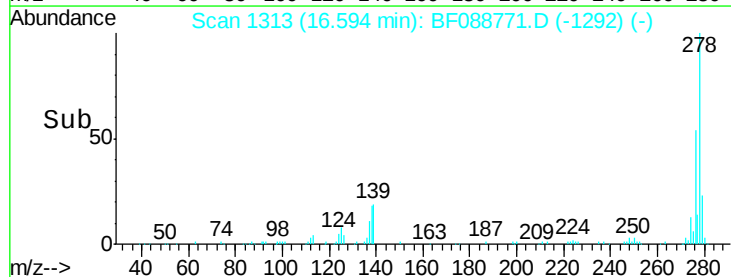
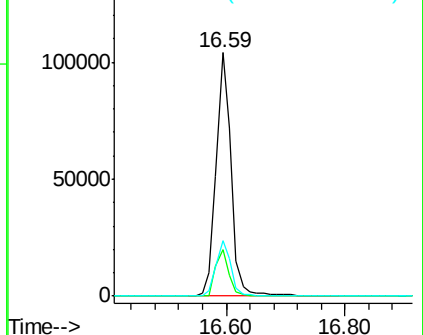
279 22.9 19.4 29.2

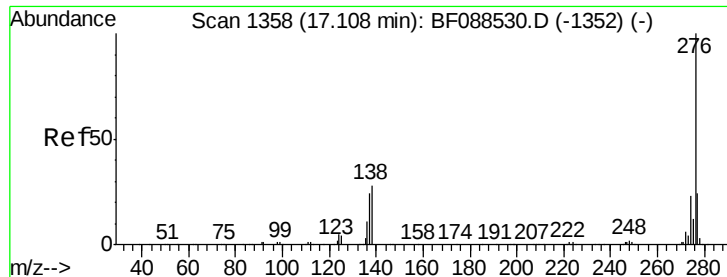


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 21.21 ng

RT: 16.97 min Scan# 1346

Delta R.T. -0.07 min

Lab File: BF088771.D

Acq: 7 Jul 2016 9:10

Instrument :

BNA_F

ClientSampleId :

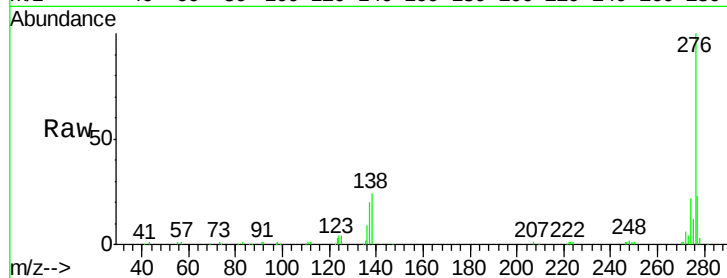
Tot Ion: 276 Resp: 169491

Ion Ratio Lower Upper

276 100

277 23.2 18.9 28.3

138 24.3 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

