

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
 Data File : BF089055.D
 Acq On : 16 Jul 2016 15:09
 Operator : UM/SJ
 Sample : H3951-22MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 18 01:13:55 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	55711	20.00	ng	-0.05
21) Naphthalene-d8	7.95	136	232345	20.00	ng	-0.05
38) Acenaphthene-d10	9.70	164	92441	20.00	ng	-0.05
63) Phenanthrene-d10	11.19	188	147573	20.00	ng	-0.03
75) Chrysene-d12	13.82	240	106034	20.00	ng	-0.03
86) Perylene-d12	15.19	264	86545	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	448531	120.66	ng	-0.02
7) Phenol-d6	6.33	99	575514	119.82	ng	-0.02
23) Nitrobenzene-d5	7.23	82	390708	88.12	ng	-0.05
41) 2,4,6-Tribromophenol	10.50	330	92478	107.73	ng	-0.03
44) 2-Fluorobiphenyl	9.04	172	711136	121.51	ng	-0.03
78) Terphenyl-d14	12.76	244	376496	79.09	ng	-0.03

Target Compounds				Qvalue		
3) Pyridine	2.82	79	155819	29.14	ng	96
4) n-Nitrosodimethylamine	2.79	42	82046	40.16	ng	97
6) Aniline	6.33	93	57366	8.20	ng	# 1
8) 2-Chlorophenol	6.46	128	183417	45.91	ng	98
9) Benzaldehyde	6.20	77	86987	26.74	ng	89
10) Phenol	6.34	94	200964	36.66	ng	78
11) bis(2-Chloroethyl)ether	6.41	93	253504	62.01	ng	87
12) 1,3-Dichlorobenzene	6.60	146	187907	42.74	ng	98
13) 1,4-Dichlorobenzene	6.68	146	203967	46.74	ng	97
14) 1,2-Dichlorobenzene	6.83	146	158066	38.70	ng	# 86
15) Benzyl Alcohol	6.82	79	166176	47.01	ng	93
16) 2,2'-oxybis(1-Chloropropan	6.96	45	202602	34.22	ng	71
17) 2-Methylphenol	6.95	107	149245	45.79	ng	# 90
18) Hexachloroethane	7.18	117	63355	37.53	ng	# 88
19) n-Nitroso-di-n-propylamine	7.10	70	131900	40.88	ng	93
20) 3+4-Methylphenols	7.11	107	200203	51.18	ng	# 74
22) Acetophenone	7.08	105	261751	46.42	ng	# 94
24) Nitrobenzene	7.26	77	203811	45.59	ng	# 83
25) Isophorone	7.50	82	338719	41.24	ng	95
26) 2-Nitrophenol	7.58	139	58888	32.12	ng	# 81
27) 2,4-Dimethylphenol	7.62	122	138653	36.32	ng	# 85
28) bis(2-Chloroethoxy)methane	7.71	93	220496	41.26	ng	# 95
29) 2,4-Dichlorophenol	7.83	162	138282	44.81	ng	90
30) 1,2,4-Trichlorobenzene	7.90	180	147229	43.48	ng	98
31) Naphthalene	7.98	128	564825	49.31	ng	99
32) Benzoic acid	7.70	122	5880	2.12	ng	89
33) 4-Chloroaniline	8.06	127	130578	25.62	ng	98
34) Hexachlorobutadiene	8.10	225	81544	44.97	ng	98
35) Caprolactam	8.41	113	36245	34.59	ng	# 89
36) 4-Chloro-3-methylphenol	8.52	107	144736	39.67	ng	90
37) 2-Methylnaphthalene	8.66	142	305951	41.48	ng	# 93
39) 1,2,4,5-Tetrachlorobenzene	8.83	216	146043	47.50	ng	# 1
40) Hexachlorocyclopentadiene	8.82	237	17786	11.79	ng	99
42) 2,4,6-Trichlorophenol	8.95	196	86680	42.76	ng	97

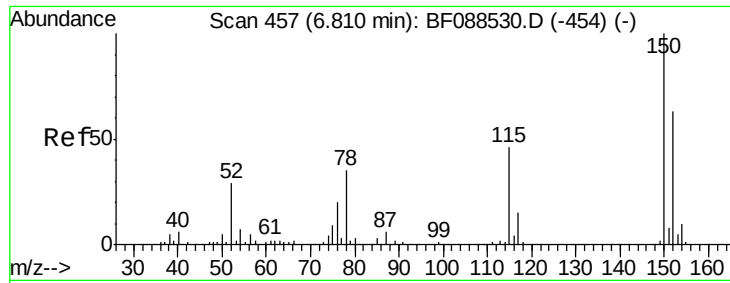
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.00	196	85686	49.13	nq	99
45) 1,1'-Biphenyl	9.13	154	350805	45.83	nq	99
46) 2-Chloronaphthalene	9.15	162	289330	48.15	nq	97
47) 2-Nitroaniline	9.26	65	100476	47.11	nq	99
48) Acenaphthylene	9.56	152	433108	45.30	nq	99
49) Dimethylphthalate	9.45	163	773262	117.41	nq	99
50) 2,6-Dinitrotoluene	9.51	165	68741	47.10	nq	97
51) Acenaphthene	9.74	154	257020	43.85	nq	98
52) 3-Nitroaniline	9.67	138	67600	36.43	nq	87
53) 2,4-Dinitrophenol	9.78	184	1408	2.18	nq	# 84
54) Dibenzofuran	9.91	168	369920	48.22	nq	# 85
55) 4-Nitrophenol	9.85	139	81674	57.92	nq	92
56) 2,4-Dinitrotoluene	9.91	165	83488	43.75	nq	# 61
57) Fluorene	10.25	166	290510	49.14	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.03	232	54725	40.55	nq	# 45
59) Diethylphthalate	10.15	149	355661	53.81	nq	97
60) 4-Chlorophenyl-phenylether	10.25	204	147996	53.88	nq	100
61) 4-Nitroaniline	10.28	138	82913	46.44	nq	92
62) Azobenzene	10.41	77	368452	48.87	nq	93
64) 4,6-Dinitro-2-methylphenol	10.32	198	2861	3.62	nq	# 69
65) n-Nitrosodiphenylamine	10.36	169	254998	51.06	nq	100
66) 4-Bromophenyl-phenylether	10.73	248	72041	48.44	nq	# 63
67) Hexachlorobenzene	10.80	284	68286	41.48	nq	93
68) Atrazine	10.90	200	57337	36.84	nq	91
69) Pentachlorophenol	11.00	266	56110	57.59	nq	99
70) Phenanthrene	11.21	178	635248	78.75	nq	99
71) Anthracene	11.26	178	420906	52.47	nq	99
72) Carbazole	11.42	167	341137	45.19	nq	99
73) Di-n-butylphthalate	11.76	149	497755	56.68	nq	99
74) Fluoranthene	12.40	202	845386	103.37	nq	94
76) Benzidine	12.51	184	14765	2.75	nq	# 97
77) Pyrene	12.62	202	713688	79.38	nq	99
79) Butylbenzylphthalate	13.25	149	177858	44.35	nq	# 77
80) Benzo(a)anthracene	13.81	228	525616	76.98	nq	100
81) 3,3'-Dichlorobenzidine	13.77	252	68599	26.72	nq	# 94
82) Chrysene	13.84	228	381209	56.43	nq	98
83) Bis(2-ethylhexyl)phthalate	13.82	149	252590	55.17	nq	# 100
84) Di-n-octyl phthalate	14.42	149	389609	50.09	nq	# 100
85) Indeno(1,2,3-cd)pyrene	16.48	276	282017	54.26	nq	# 100
87) Benzo(b)fluoranthene	14.81	252	740674	136.43	nq	# 95
88) Benzo(k)fluoranthene	14.81	252	740674	156.72	nq	100
89) Benzo(a)pyrene	15.13	252	361182	78.58	nq	99
90) Dibenzo(a,h)anthracene	16.49	278	202955	52.88	nq	# 95
91) Benzo(g,h,i)perylene	16.87	276	235687	59.34	nq	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 444

Delta R.T. -0.05 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

Instrument :

BNA_F

ClientSampleId :

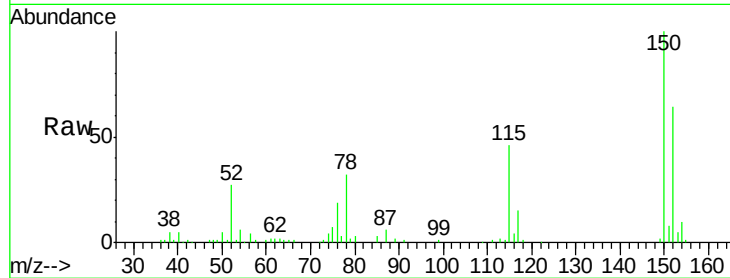
Tot Ion:152 Resp: 55711

Ion Ratio Lower Upper

152 100

150 156.4 123.8 185.6

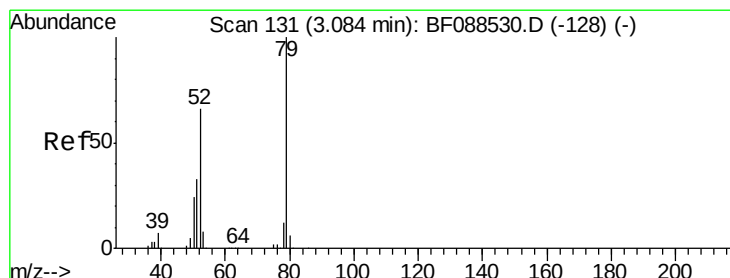
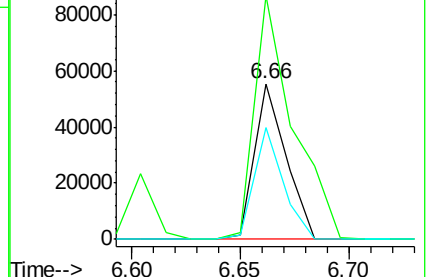
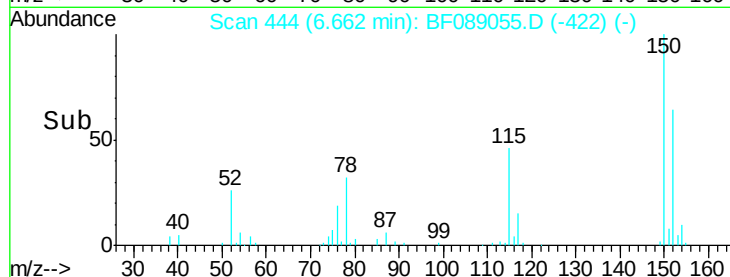
115 71.5 39.6 59.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#3

Pyridine

Concen: 29.14 ng

RT: 2.82 min Scan# 108

Delta R.T. -0.06 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

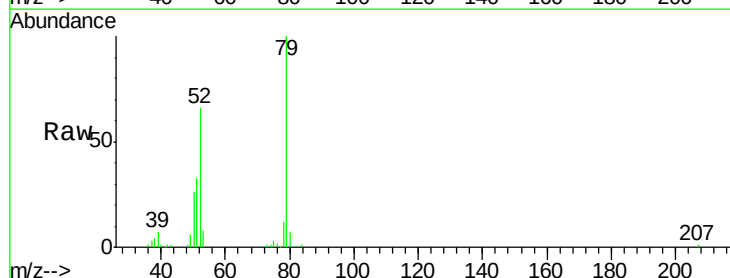
Tgt Ion: 79 Resp: 155819

Ion Ratio Lower Upper

79 100

52 65.8 56.3 84.5

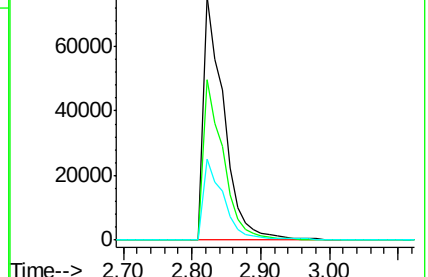
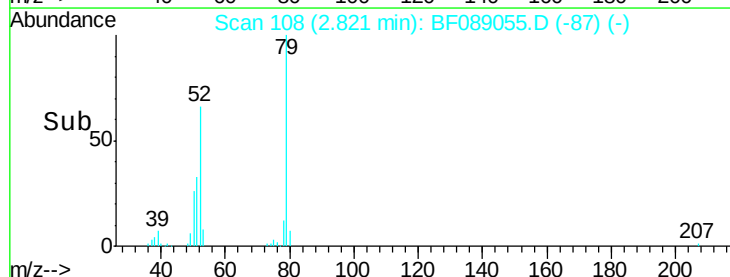
51 33.2 27.4 41.2

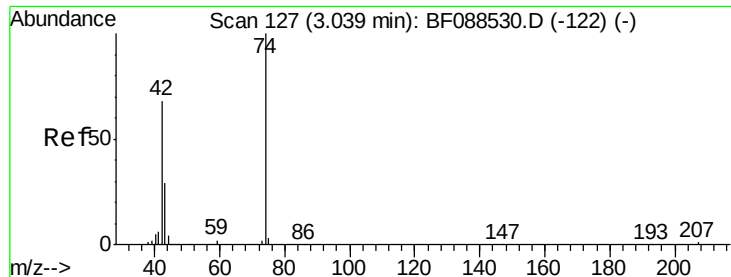


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



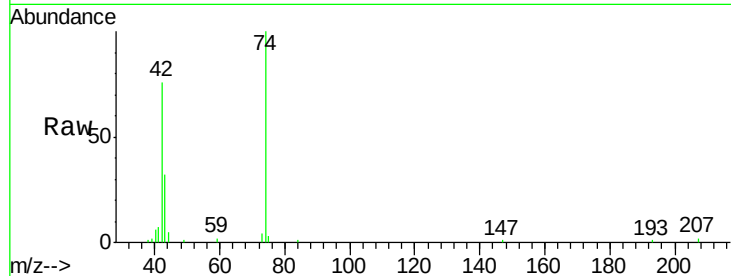


#4

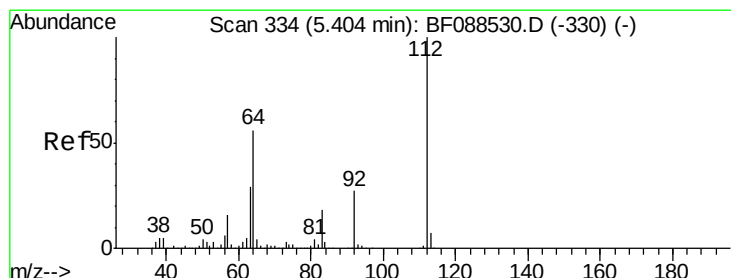
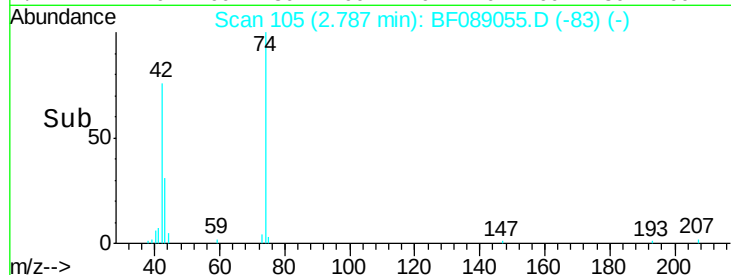
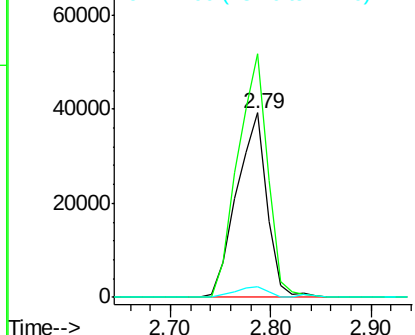
n-Nitrosodimethylamine
Concen: 40.16 ng
RT: 2.79 min Scan# 105
Delta R.T. -0.05 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 42 Resp: 82046
Ion Ratio Lower Upper
42 100
74 131.9 108.6 163.0
44 6.0 5.5 8.3



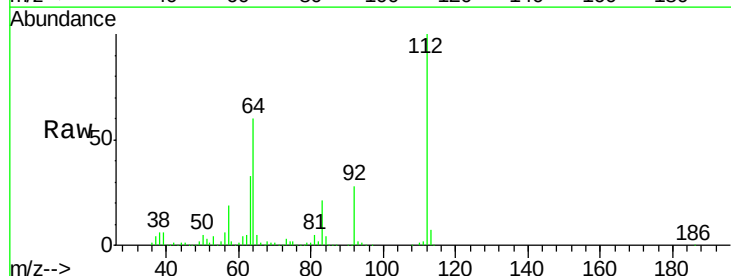
Abundance Ion 42.00 (41.70 to 42.70): BF0
Ion 74.00 (73.70 to 74.70): BF0
Ion 44.00 (43.70 to 44.70): BF0



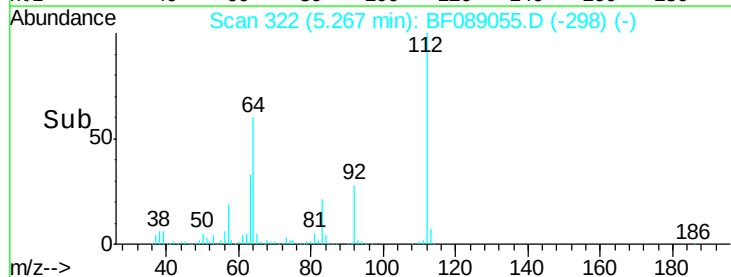
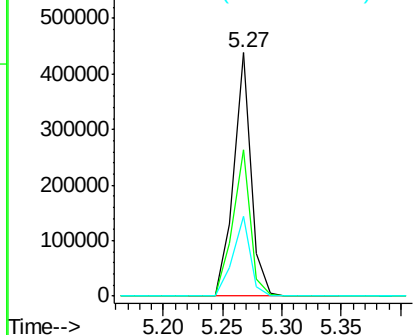
#5

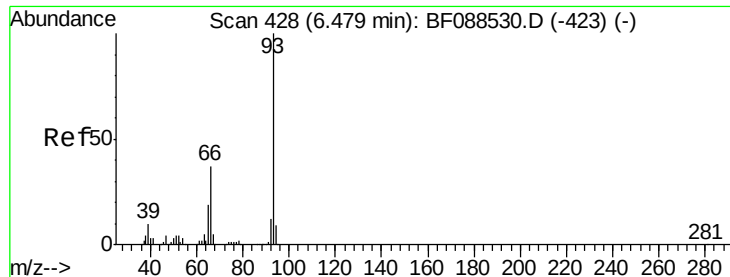
2-Fluorophenol
Concen: 120.66 ng
RT: 5.27 min Scan# 322
Delta R.T. -0.02 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Tgt Ion: 112 Resp: 448531
Ion Ratio Lower Upper
112 100
64 60.3 42.2 63.2
63 32.5 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: 8.20 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.05 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

Instrument :

BNA_F

ClientSampled :

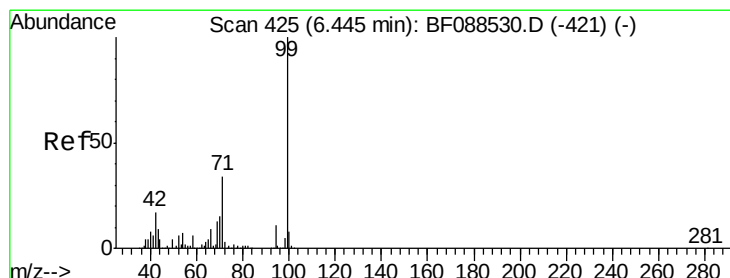
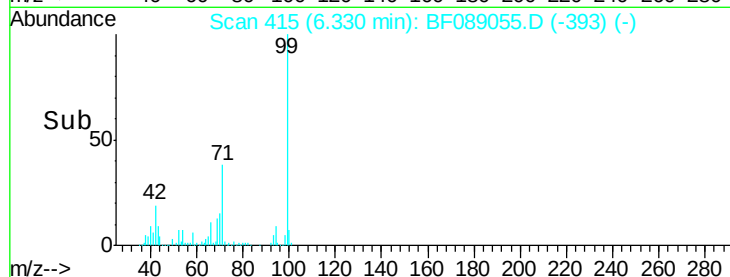
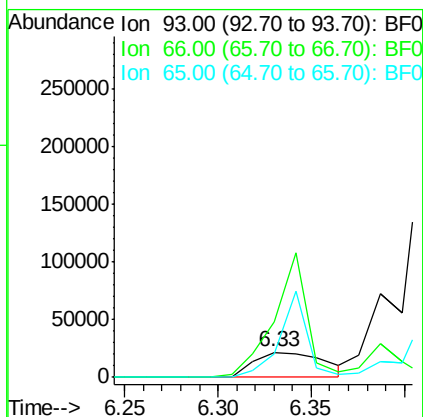
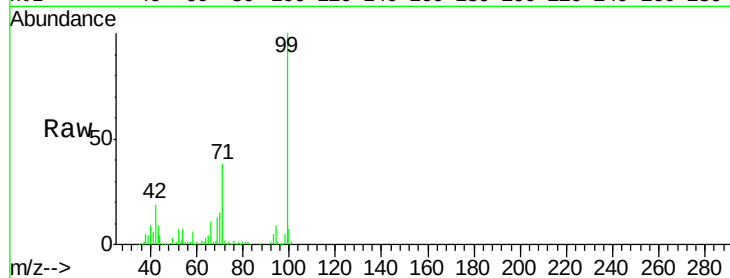
Tot Ion: 93 Resp: 57366

Ion Ratio Lower Upper

93 100

66 221.7 29.8 44.8#

65 92.0 14.9 22.3#



#7

Phenol-d6

Concen: 119.82 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

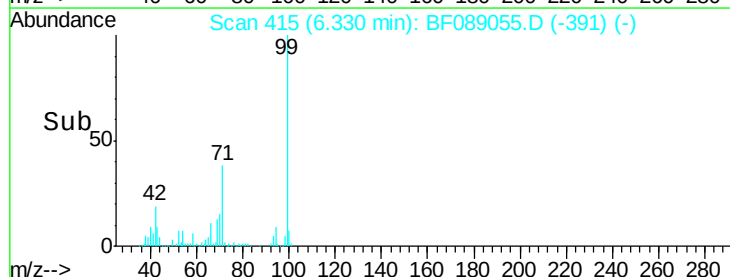
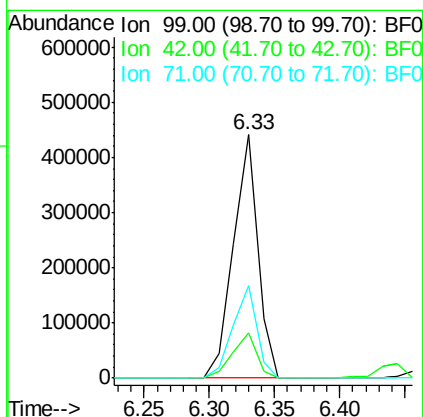
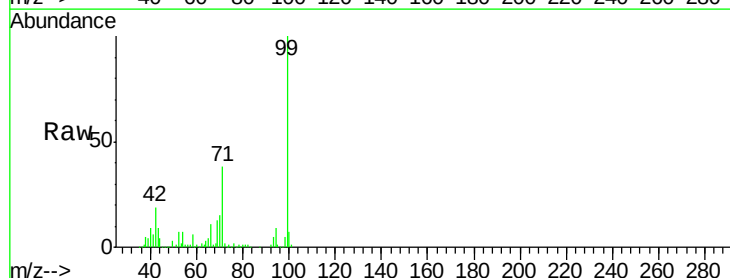
Tgt Ion: 99 Resp: 575514

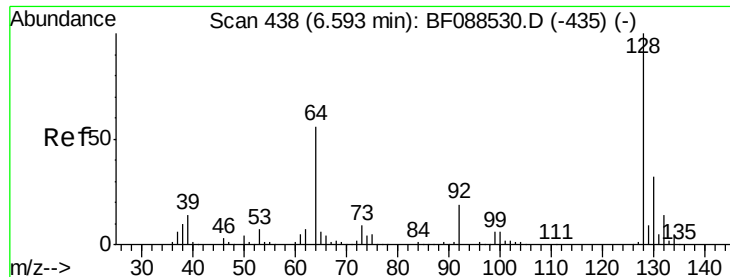
Ion Ratio Lower Upper

99 100

42 18.6 12.2 18.2#

71 38.2 23.4 35.0#





#8

2-Chlorophenol

Concen: 45.91 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.03 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

Instrument :

BNA_F

ClientSampleId :

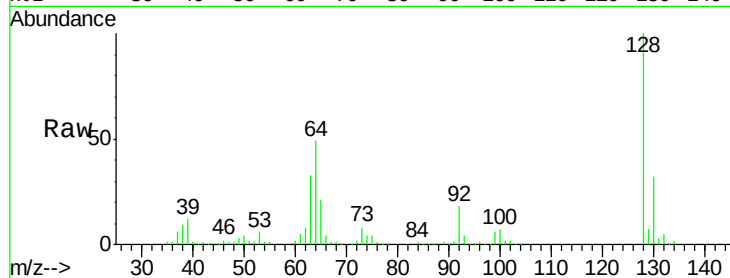
Tot Ion:128 Resp: 183417

Ion Ratio Lower Upper

128 100

130 32.3 12.0 52.0

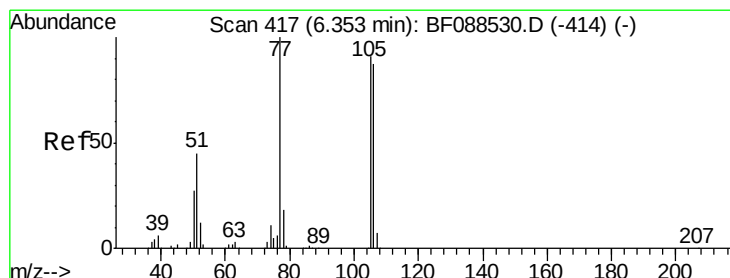
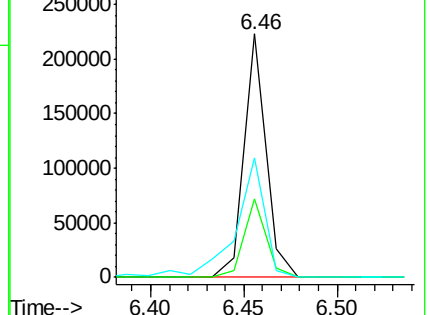
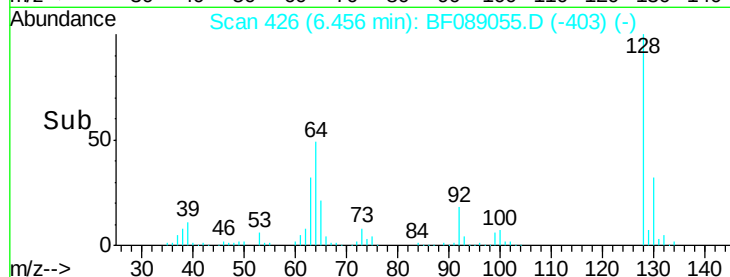
64 48.9 30.8 70.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0



#9

Benzaldehyde

Concen: 26.74 ng

RT: 6.20 min Scan# 404

Delta R.T. -0.05 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

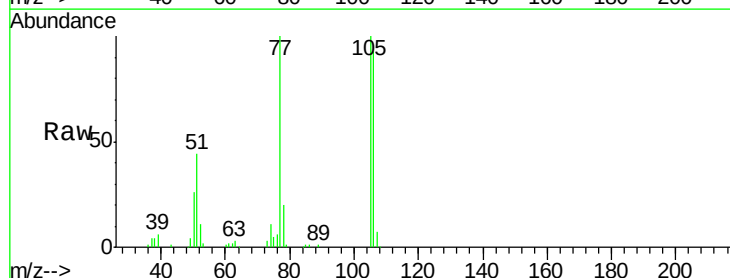
Tgt Ion: 77 Resp: 86987

Ion Ratio Lower Upper

77 100

105 100.4 90.6 130.6

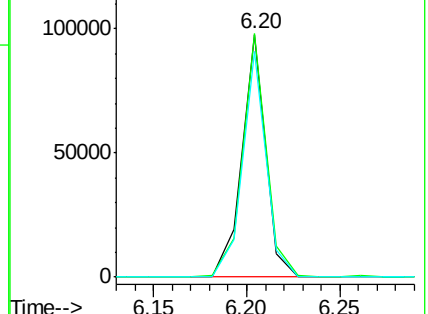
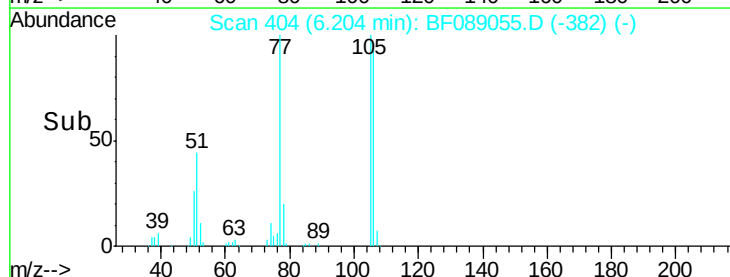
106 93.2 85.3 125.3

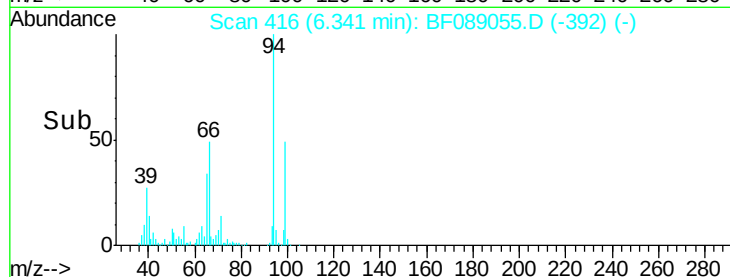
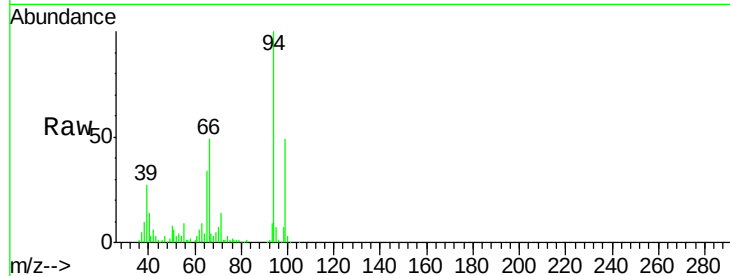
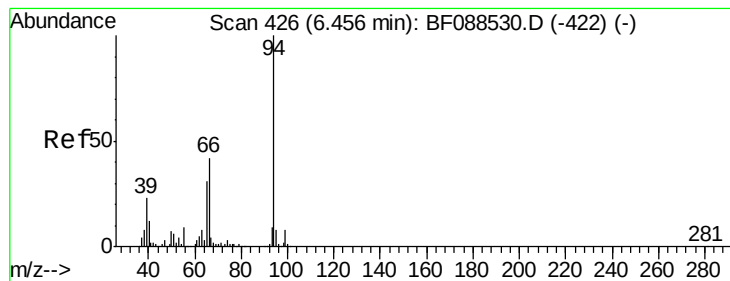


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 36.66 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.02 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

Instrument :

BNA_F

ClientSampleId :

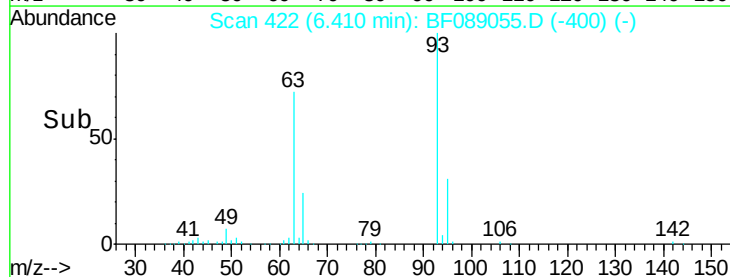
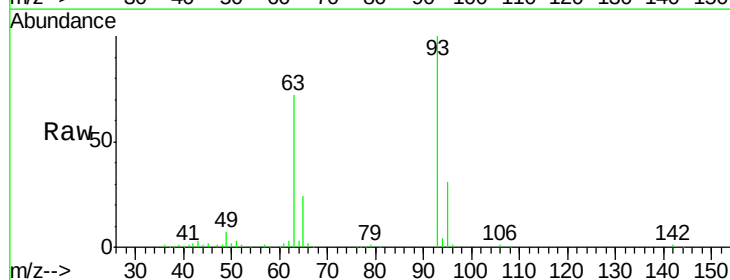
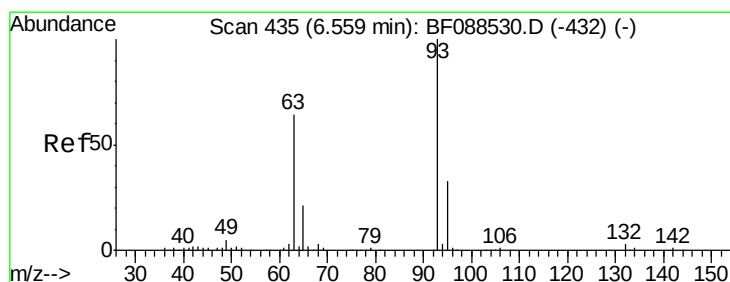
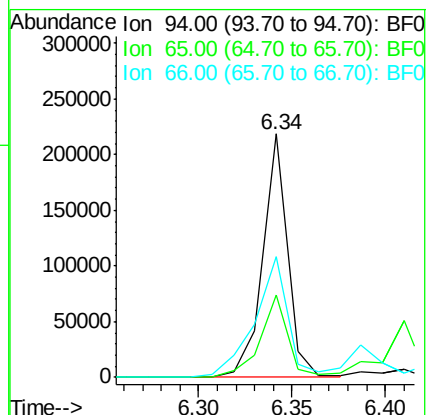
Tot Ion: 94 Resp: 200964

Ion Ratio Lower Upper

94 100

65 33.9 5.9 45.9

66 49.4 14.0 54.0



#11

bis(2-Chloroethyl)ether

Concen: 62.01 ng

RT: 6.41 min Scan# 422

Delta R.T. -0.05 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

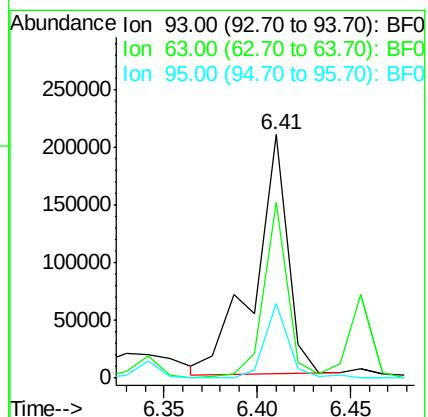
Tgt Ion: 93 Resp: 253504

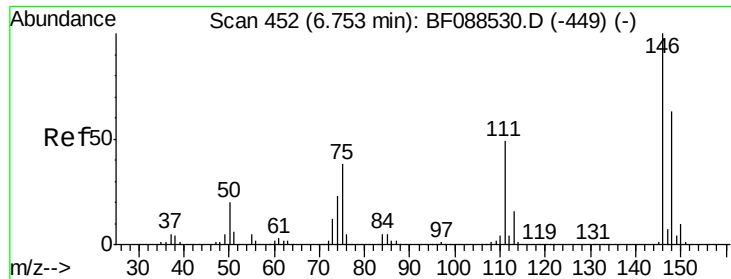
Ion Ratio Lower Upper

93 100

63 72.0 67.6 107.6

95 30.6 12.5 52.5

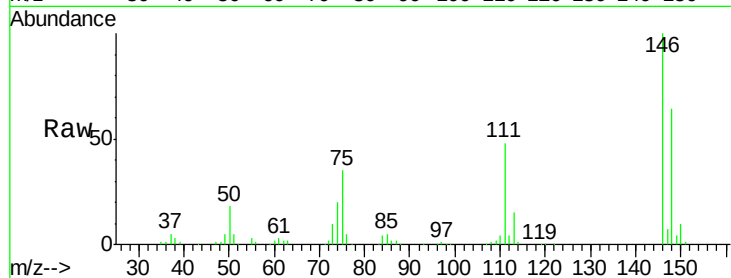




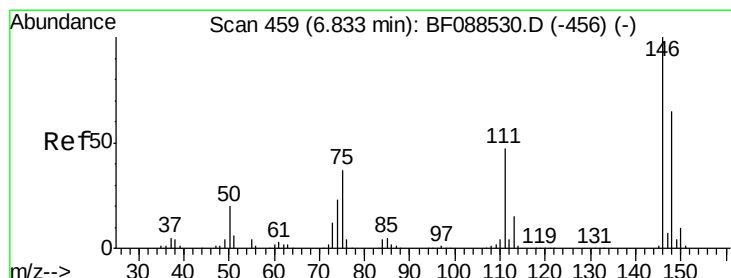
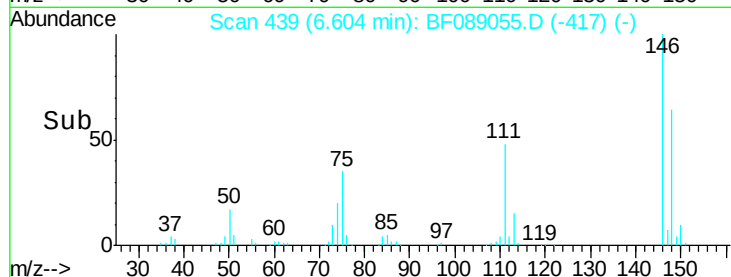
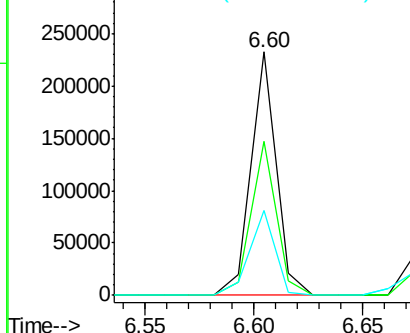
#12
 1,3-Dichlorobenzene
 Concen: 42.74 ng
 RT: 6.60 min Scan# 439
 Delta R.T. -0.05 min
 Lab File: BF089055.D
 Acq: 16 Jul 2016 15:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.9	76.3
75	35.1	25.6	38.4

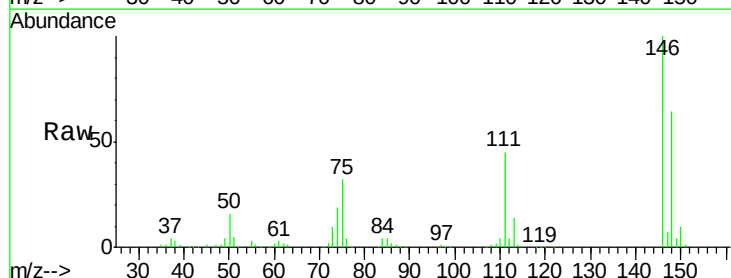


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF0

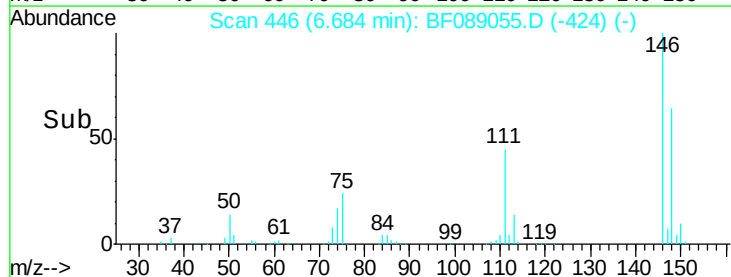
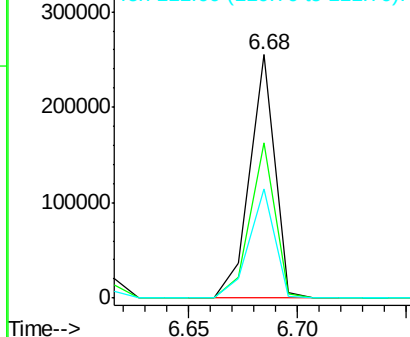


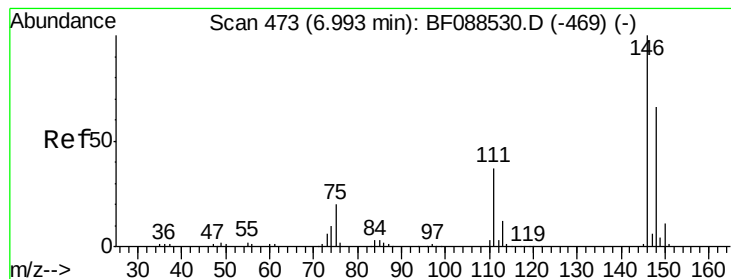
#13
 1,4-Dichlorobenzene
 Concen: 46.74 ng
 RT: 6.68 min Scan# 446
 Delta R.T. -0.05 min
 Lab File: BF089055.D
 Acq: 16 Jul 2016 15:09

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.7	52.0	78.0
111	44.9	33.8	50.8



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





#14

1,2-Dichlorobenzene

Concen: 38.70 ng

RT: 6.83 min Scan# 459

Delta R.T. -0.05 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

Instrument :

BNA_F

ClientSampleId :

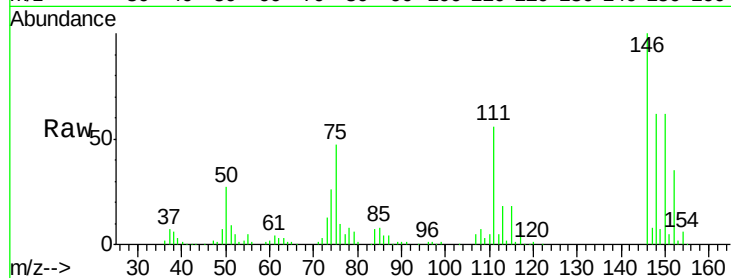
Tot Ion:146 Resp: 158066

Ion Ratio Lower Upper

146 100

148 62.5 52.3 78.5

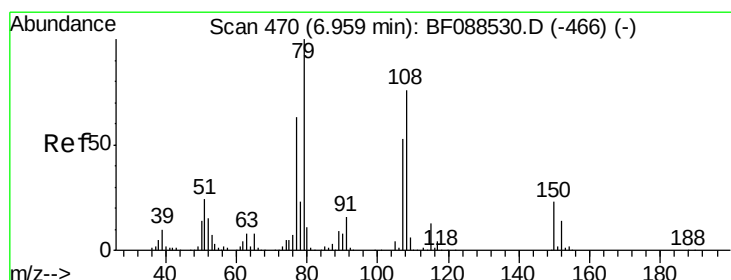
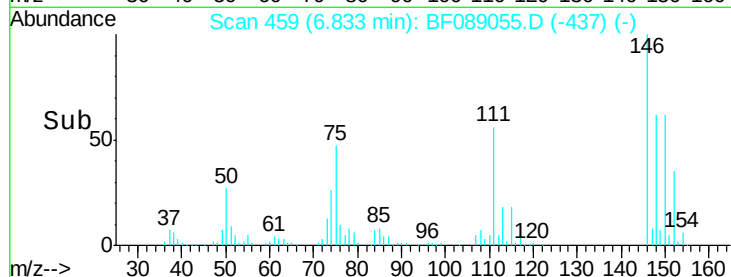
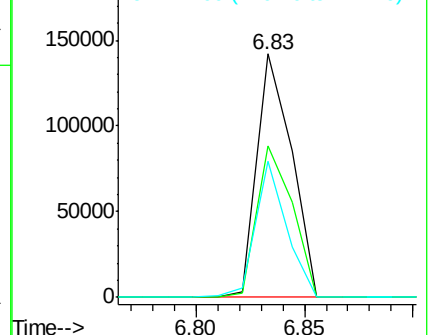
111 55.8 28.7 43.1#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 47.01 ng

RT: 6.82 min Scan# 458

Delta R.T. -0.03 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

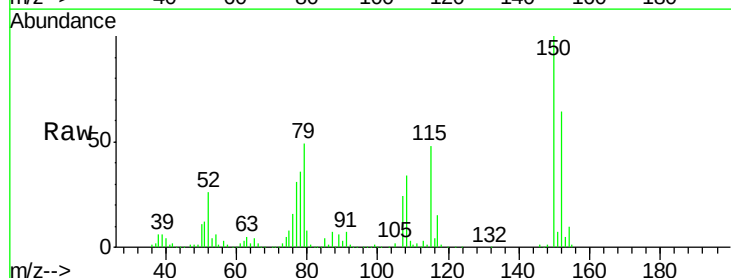
Tgt Ion: 79 Resp: 166176

Ion Ratio Lower Upper

79 100

108 69.8 65.0 97.6

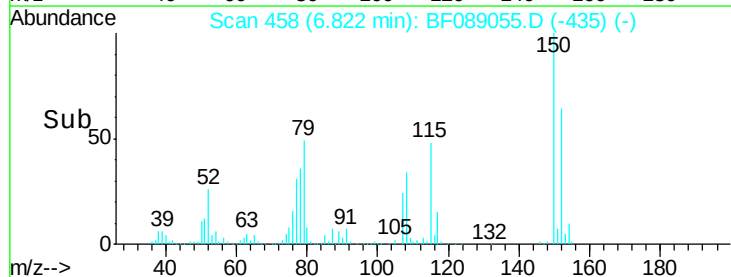
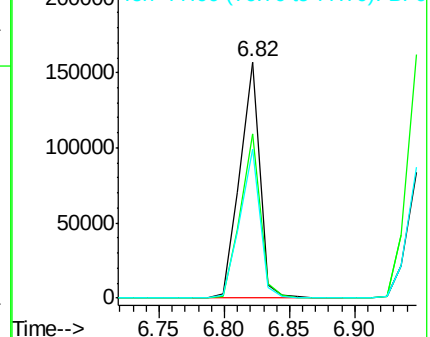
77 63.2 50.3 75.5

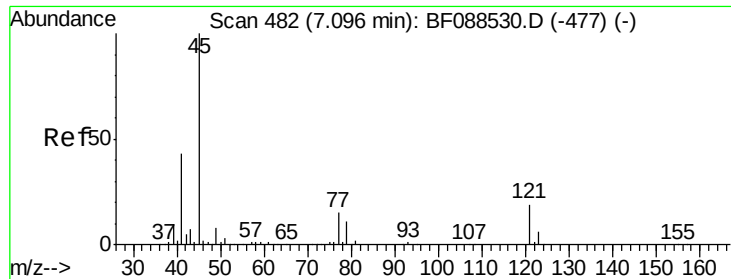


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

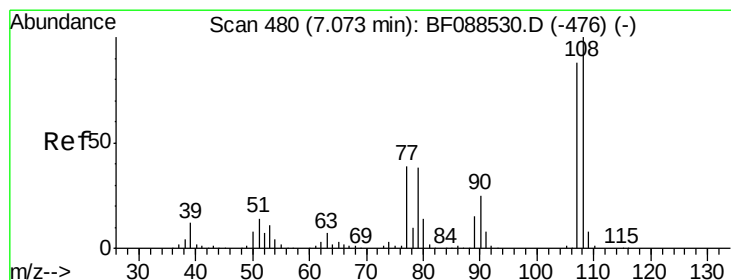
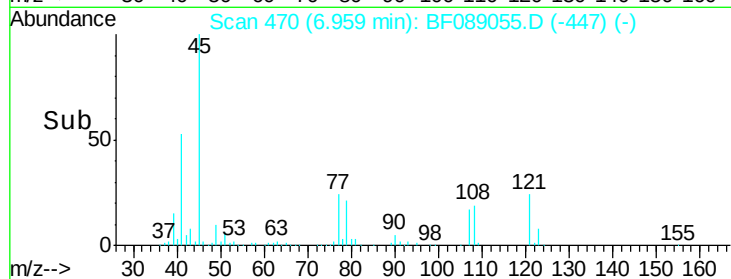
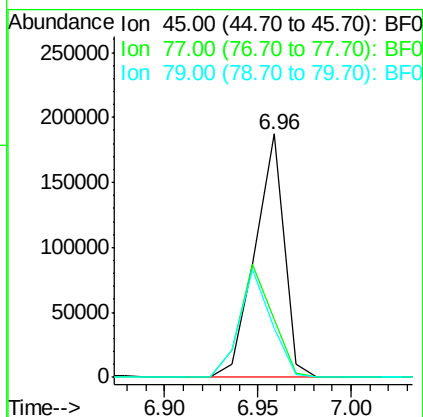
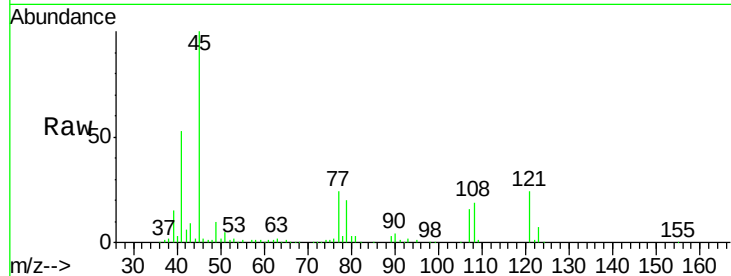




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 34.22 ng
RT: 6.96 min Scan# 470
Delta R.T. -0.03 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

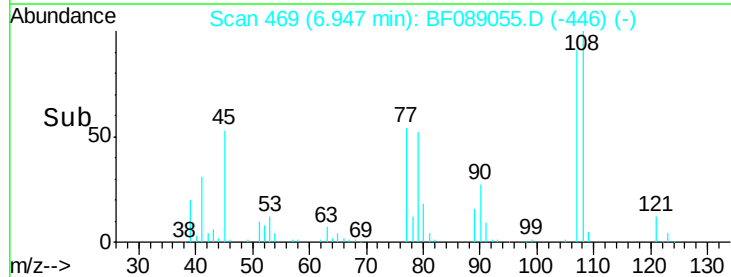
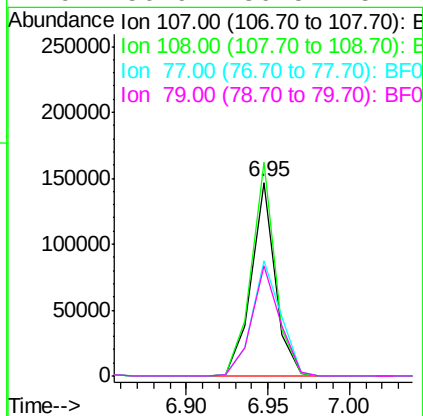
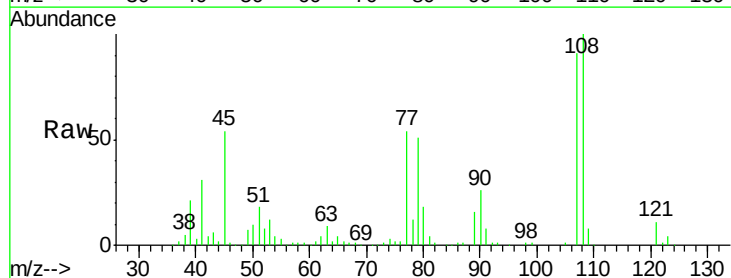
Instrument :
BNA_F
ClientSampleId :

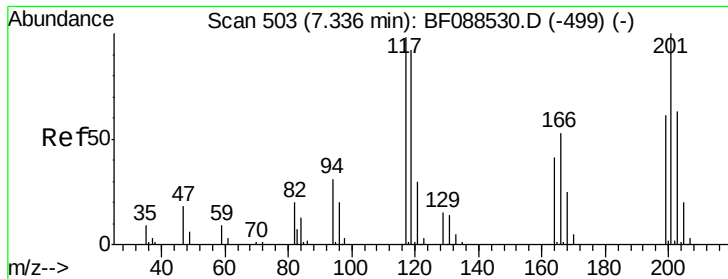
Tot Ion	Ratio	Lower	Upper
45	100		
77	23.8	0.0	32.5
79	20.2	0.0	29.5



#17
2-Methylphenol
Concen: 45.79 ng
RT: 6.95 min Scan# 469
Delta R.T. -0.03 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Tgt Ion	Ratio	Lower	Upper
107	100		
108	110.4	90.9	136.3
77	59.5	36.6	55.0#
79	56.9	36.5	54.7#

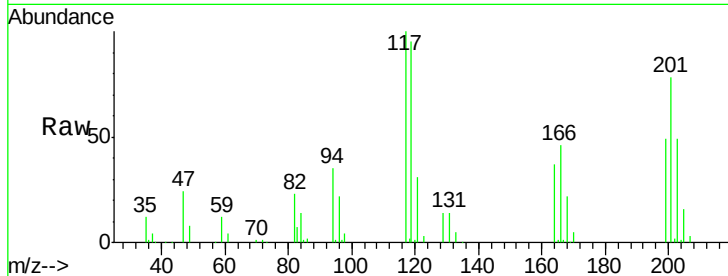




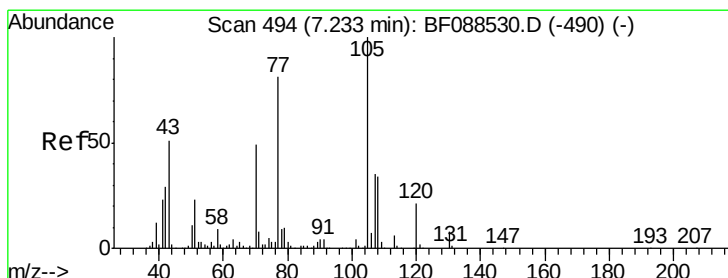
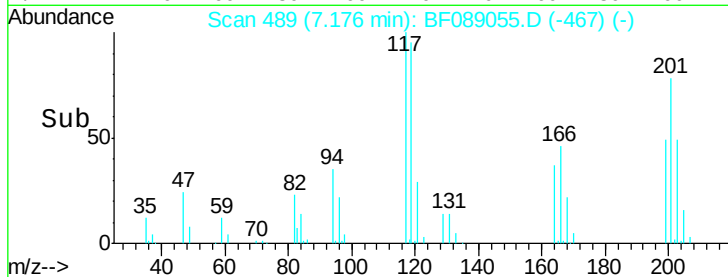
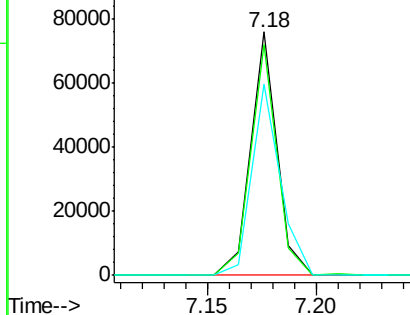
#18
Hexachloroethane
Concen: 37.53 ng
RT: 7.18 min Scan# 489
Delta R.T. -0.05 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:117 Resp: 63355
Ion Ratio Lower Upper
117 100
119 95.0 77.4 116.2
201 78.3 80.4 120.6#



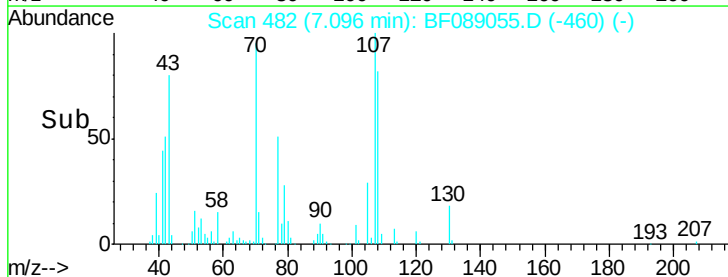
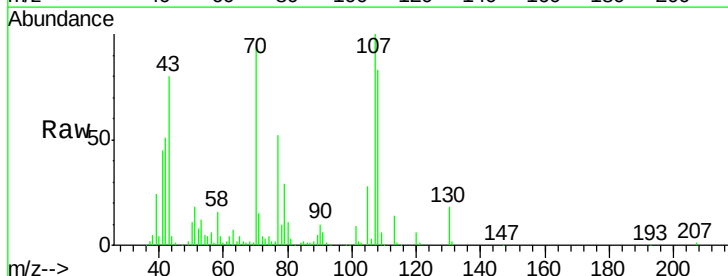
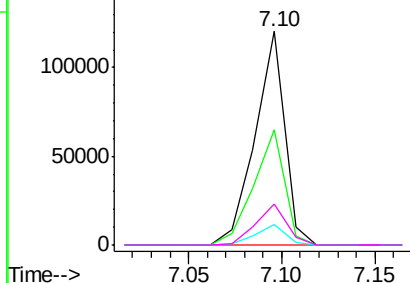
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

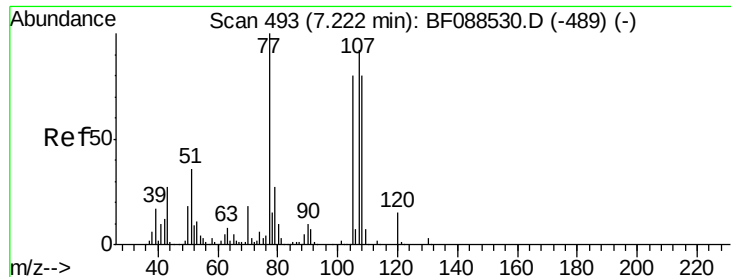


#19
n-Nitroso-di-n-propylamine
Concen: 40.88 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.05 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Tgt Ion: 70 Resp: 131900
Ion Ratio Lower Upper
70 100
42 54.1 49.6 74.4
101 9.7 7.1 10.7
130 19.4 15.4 23.2

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

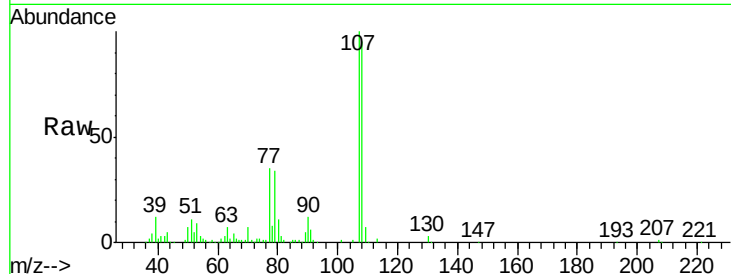




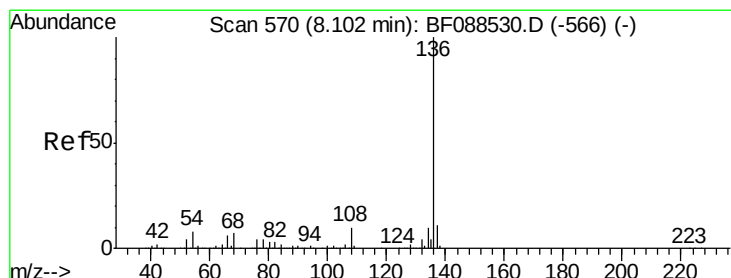
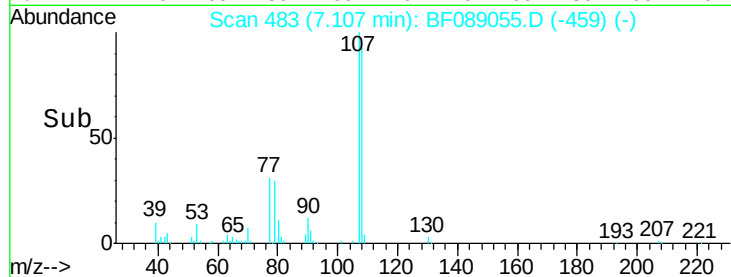
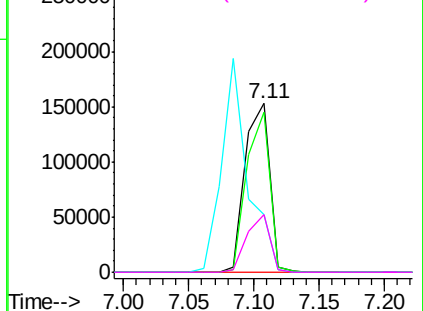
#20
3+4-Methylphenols
Concen: 51.18 ng
RT: 7.11 min Scan# 483
Delta R.T. -0.02 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	107	Resp:	200203
Ion	Ratio	Lower	Upper
107	100		
108	95.2	67.8	107.8
77	34.5	59.3	99.3#
79	34.2	7.0	47.0

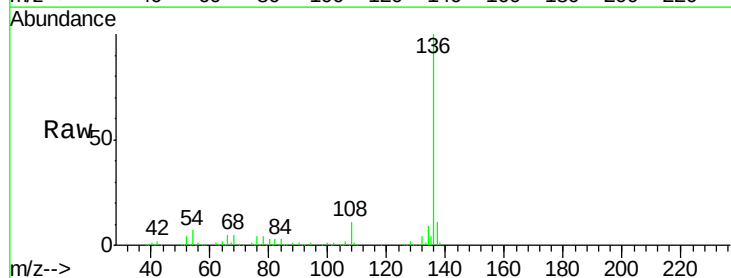


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

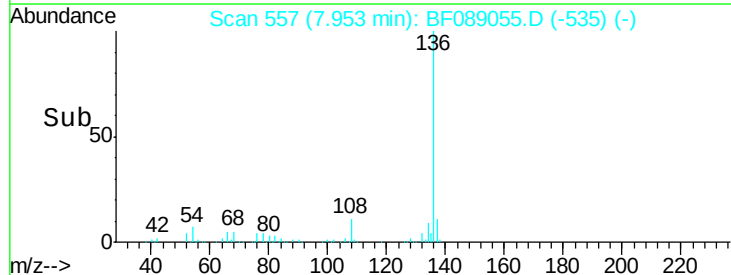
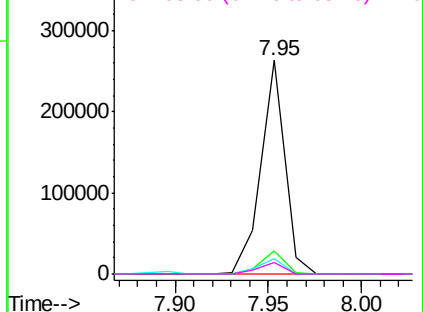


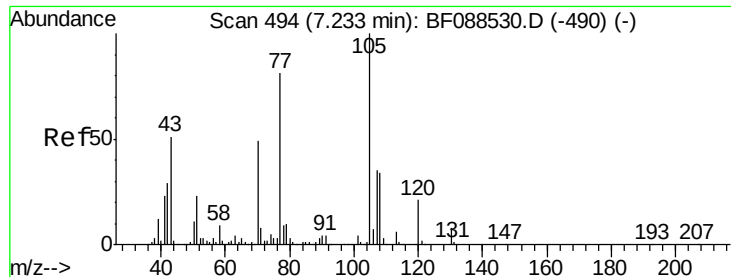
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 557
Delta R.T. -0.05 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Tgt Ion:	136	Resp:	232345
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	7.0	6.6	10.0
68	5.4	5.1	7.7



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

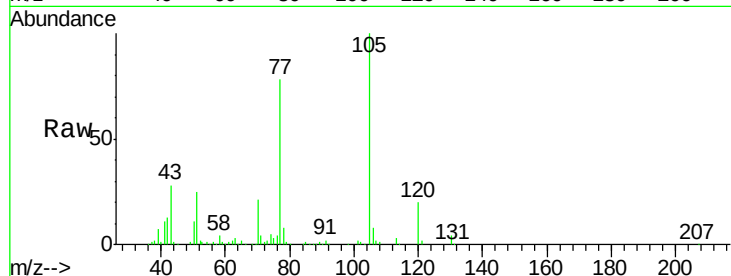




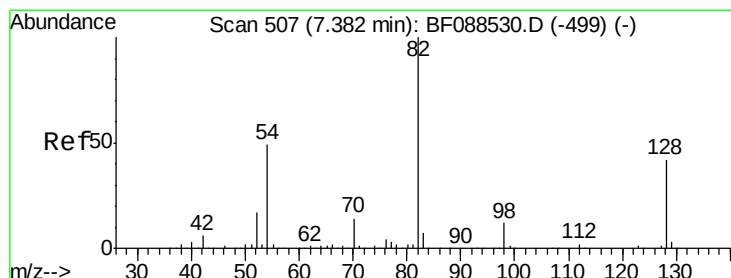
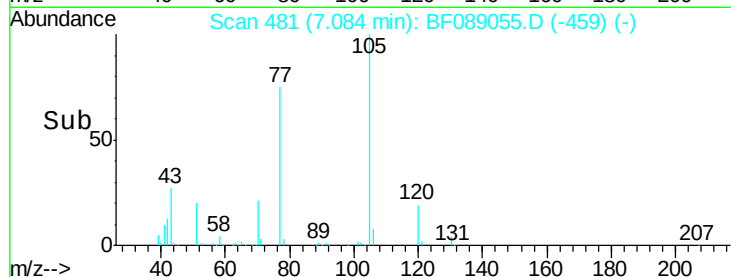
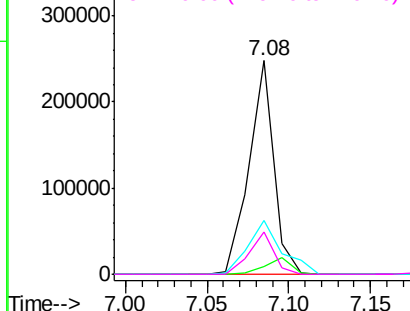
#22
Acetophenone
Concen: 46.42 ng
RT: 7.08 min Scan# 481
Delta R.T. -0.05 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:105 Resp: 261751
Ion Ratio Lower Upper
105 100
71 3.6 5.3 7.9#
51 25.3 18.2 27.4
120 19.6 18.0 27.0

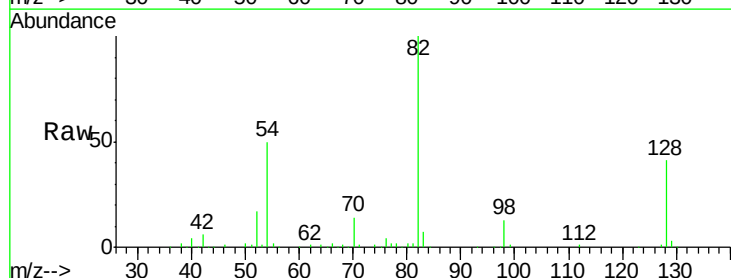


Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E

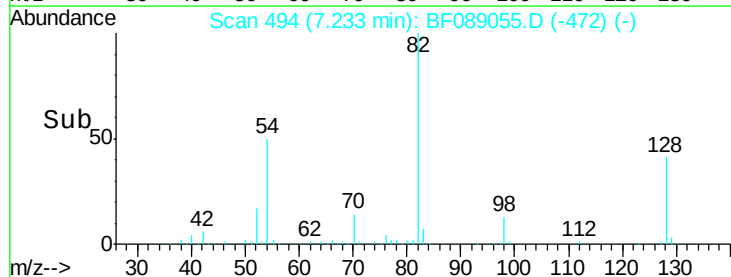
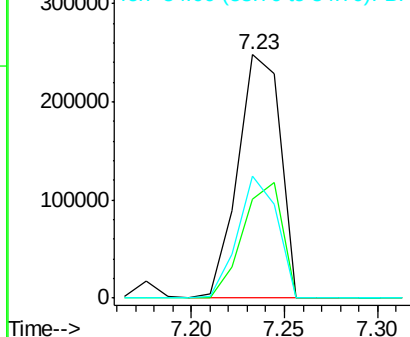


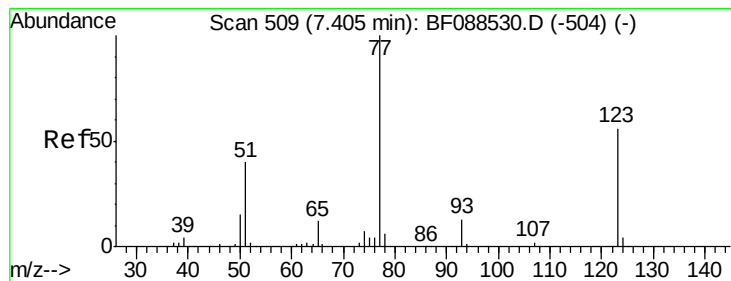
#23
Nitrobenzene-d5
Concen: 88.12 ng
RT: 7.23 min Scan# 494
Delta R.T. -0.05 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Tgt Ion: 82 Resp: 390708
Ion Ratio Lower Upper
82 100
128 40.6 35.9 53.9
54 50.1 40.9 61.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 45.59 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.05 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

Instrument :

BNA_F

ClientSampleId :

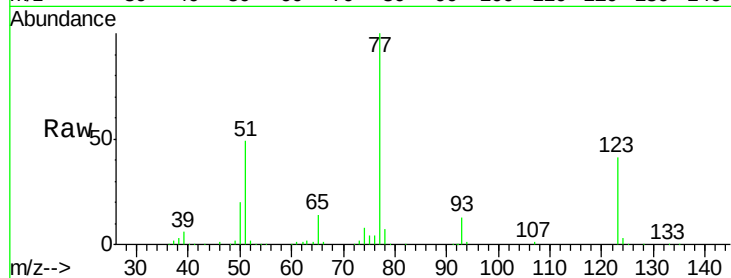
Tot Ion: 77 Resp: 203811

Ion Ratio Lower Upper

77 100

123 41.3 45.0 67.4#

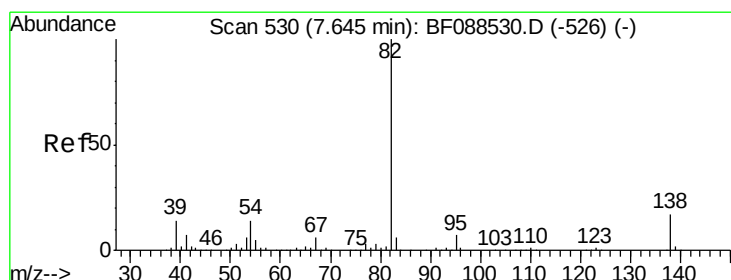
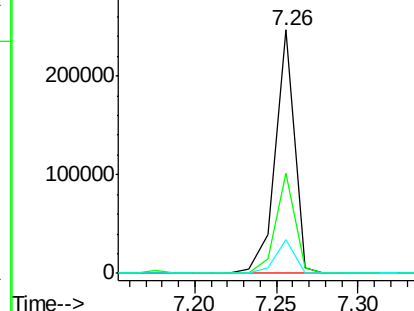
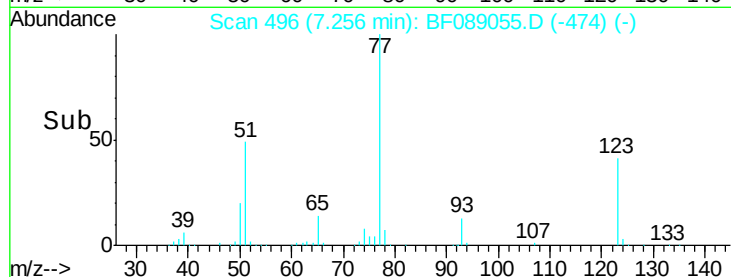
65 13.7 10.2 15.2



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#25

Isophorone

Concen: 41.24 ng

RT: 7.50 min Scan# 517

Delta R.T. -0.05 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

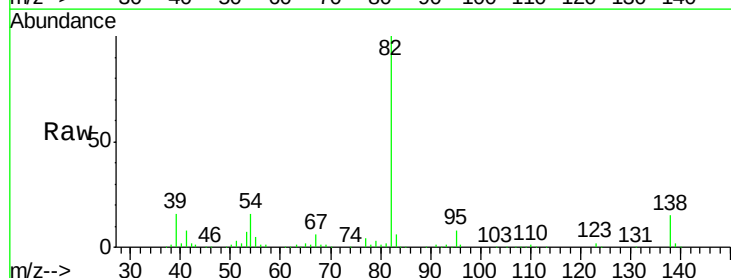
Tgt Ion: 82 Resp: 338719

Ion Ratio Lower Upper

82 100

95 7.6 5.4 8.2

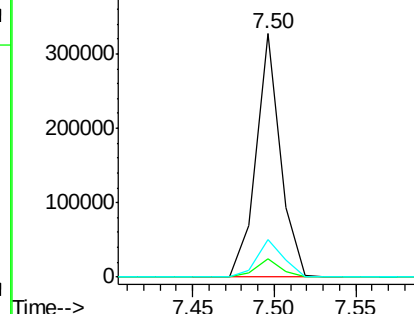
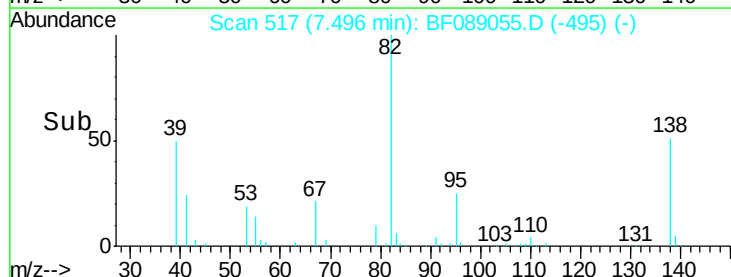
138 15.3 14.6 21.8

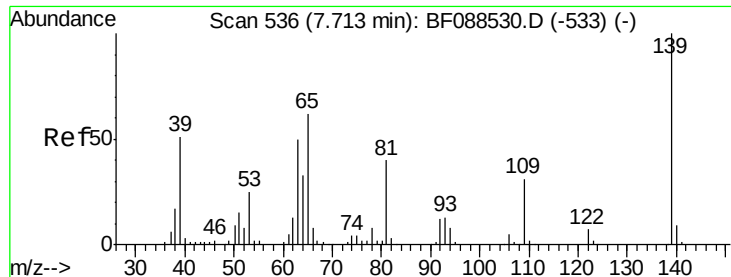


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

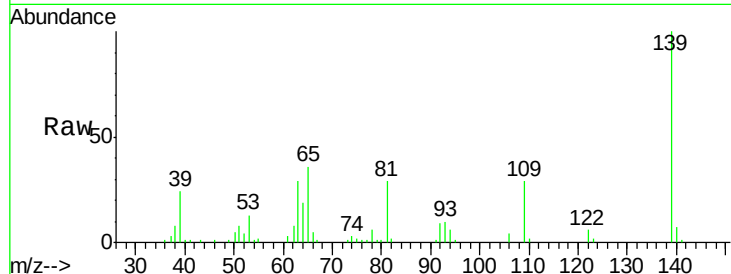




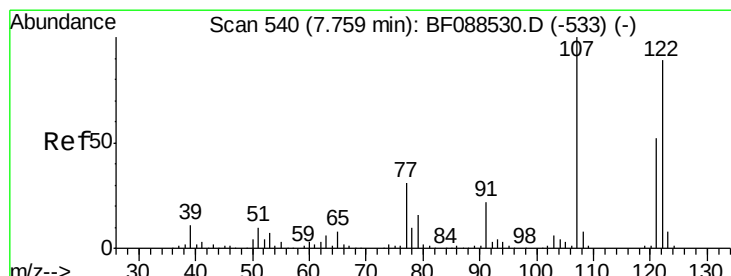
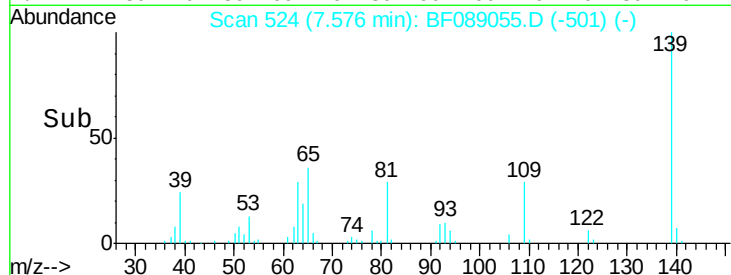
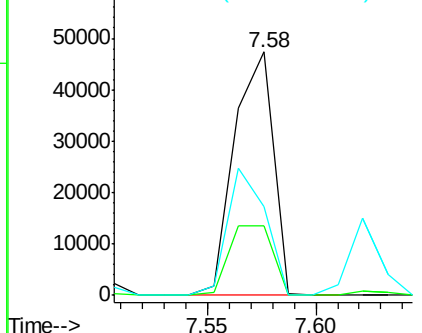
#26
2-Nitrophenol
Concen: 32.12 ng
RT: 7.58 min Scan# 524
Delta R.T. -0.03 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	28.6	23.0	34.4
65	36.5	45.8	68.8#

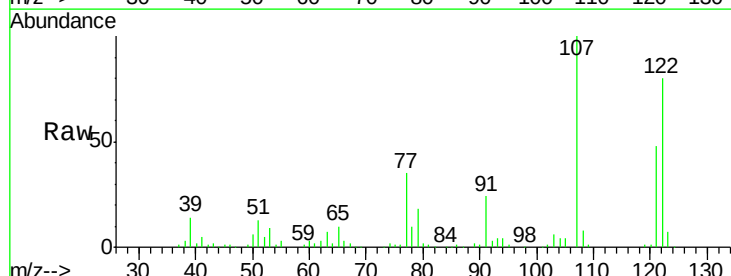


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

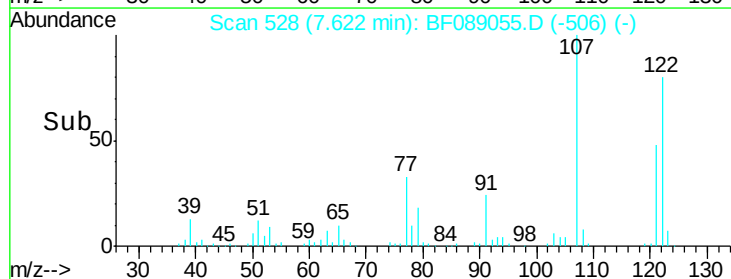
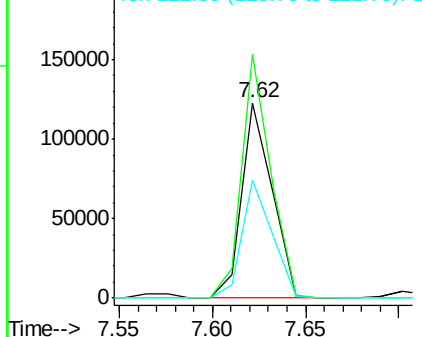


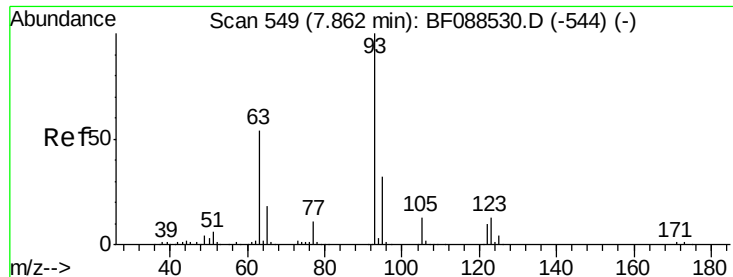
#27
2,4-Dimethylphenol
Concen: 36.32 ng
RT: 7.62 min Scan# 528
Delta R.T. -0.05 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Tgt Ion	Ratio	Lower	Upper
122	100		
107	124.8	82.4	123.6#
121	60.5	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

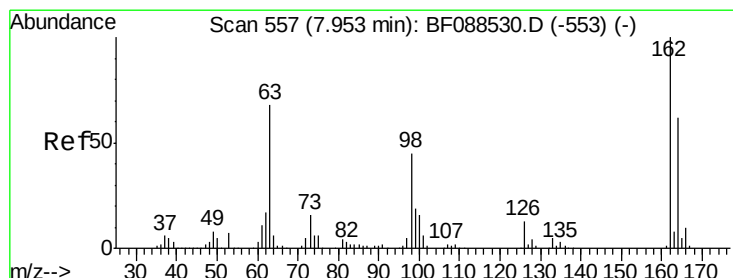
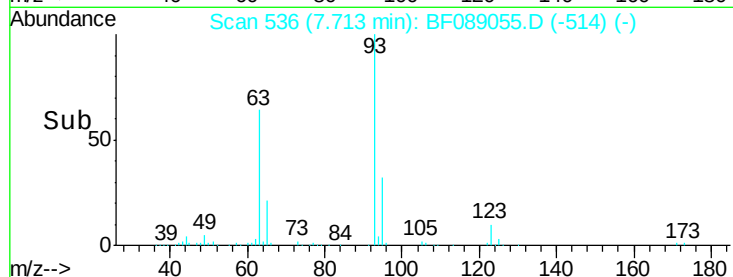
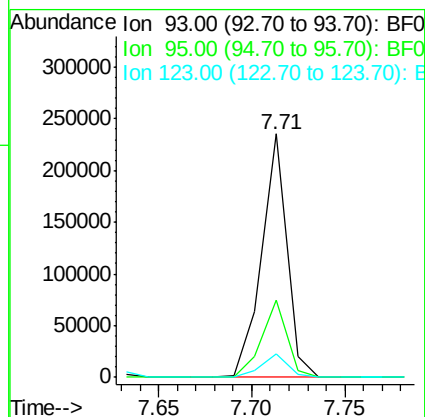
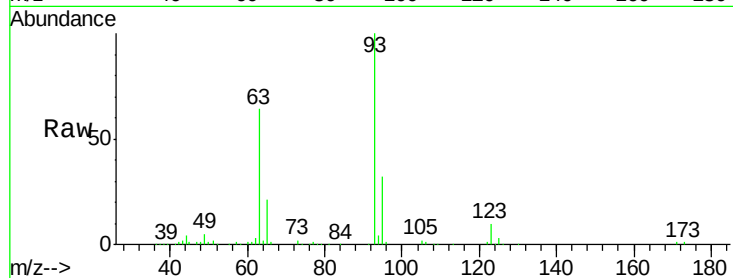




#28
bis(2-Chloroethoxy)methane
Concen: 41.26 ng
RT: 7.71 min Scan# 536
Delta R.T. -0.05 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

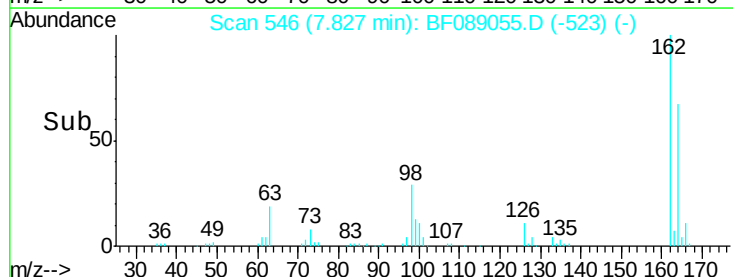
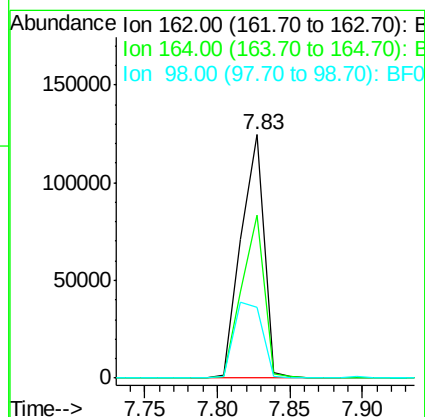
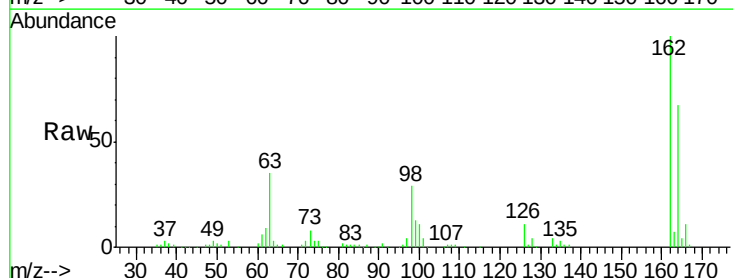
Instrument :
BNA_F
ClientSampleId :

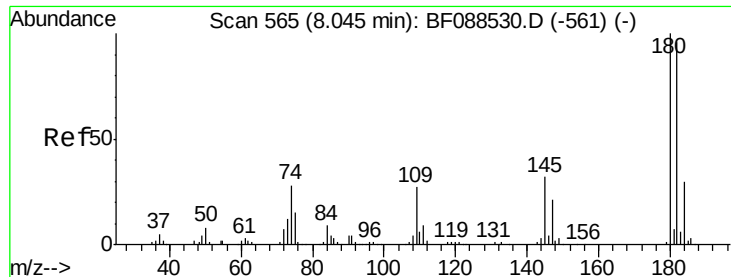
Tot Ion: 93 Resp: 220496
Ion Ratio Lower Upper
93 100
95 31.6 26.5 39.7
123 9.7 11.6 17.4#



#29
2,4-Dichlorophenol
Concen: 44.81 ng
RT: 7.83 min Scan# 546
Delta R.T. -0.03 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Tgt Ion: 162 Resp: 138282
Ion Ratio Lower Upper
162 100
164 66.8 43.8 83.8
98 29.2 21.3 61.3

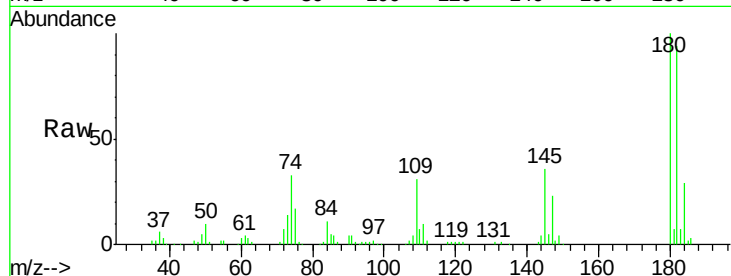




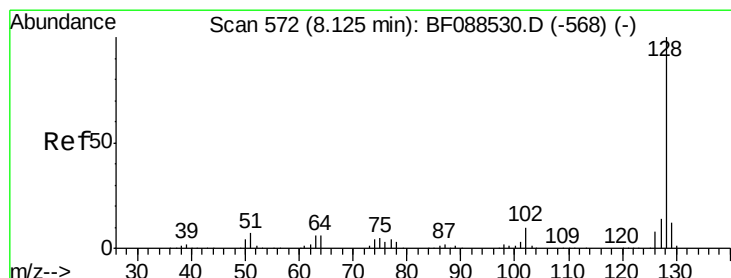
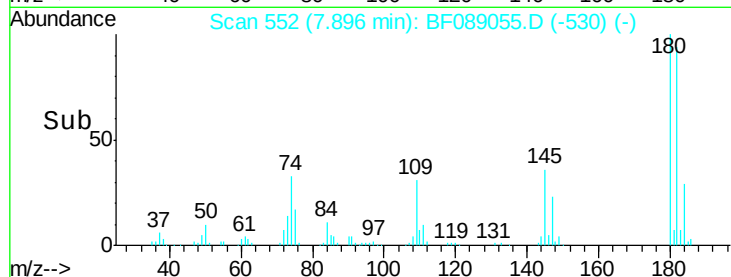
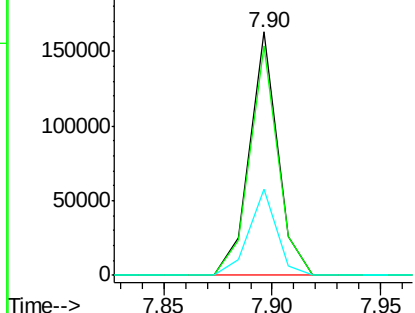
#30
1,2,4-Trichlorobenzene
Concen: 43.48 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.05 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:180 Resp: 147229
Ion Ratio Lower Upper
180 100
182 94.3 76.0 114.0
145 35.6 26.5 39.7

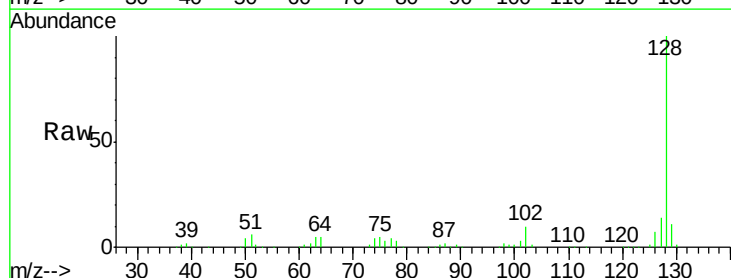


Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E

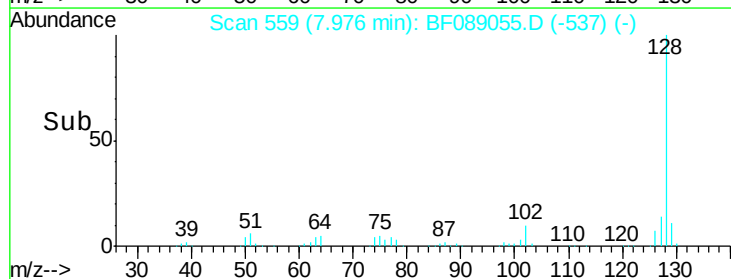
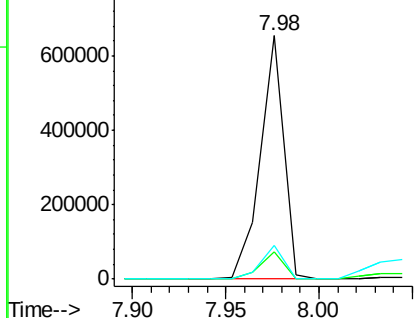


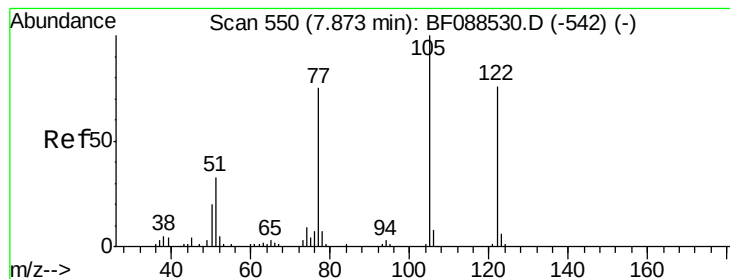
#31
Naphthalene
Concen: 49.31 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.05 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Tgt Ion:128 Resp: 564825
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.2
127 13.8 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: 2.12 ng

RT: 7.70 min Scan# 535

Delta R.T. -0.10 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

Instrument :

BNA_F

ClientSampleId :

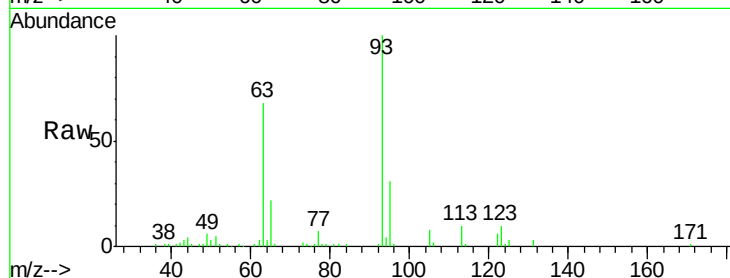
Tot Ion:122 Resp: 5880

Ion Ratio Lower Upper

122 100

105 129.9 101.6 141.6

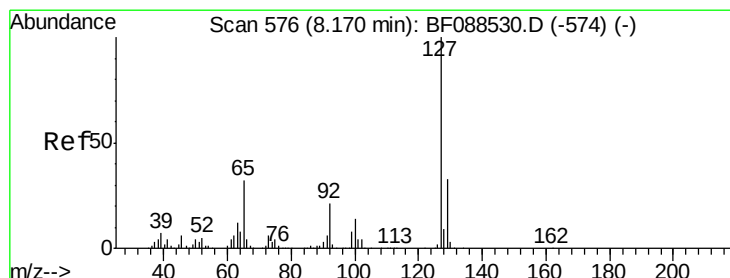
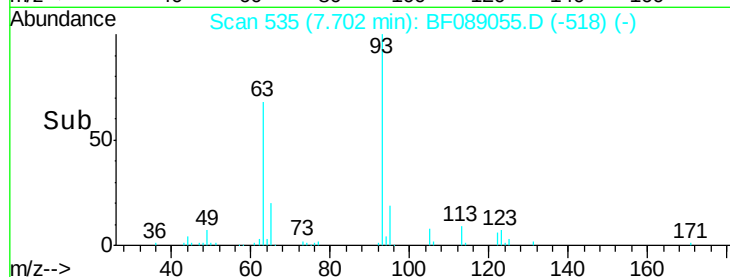
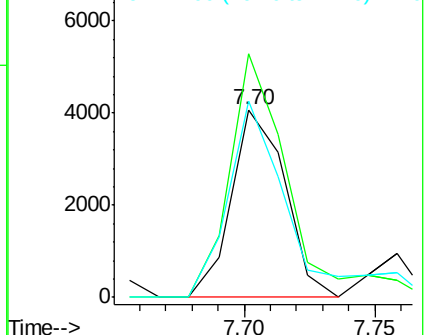
77 104.6 70.6 110.6



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: 25.62 ng

RT: 8.06 min Scan# 566

Delta R.T. -0.01 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

Tgt Ion:127 Resp: 130578

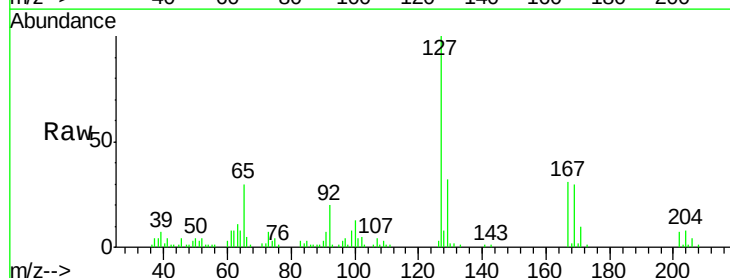
Ion Ratio Lower Upper

127 100

129 31.7 26.3 39.5

65 30.0 24.7 37.1

92 20.0 15.4 23.0

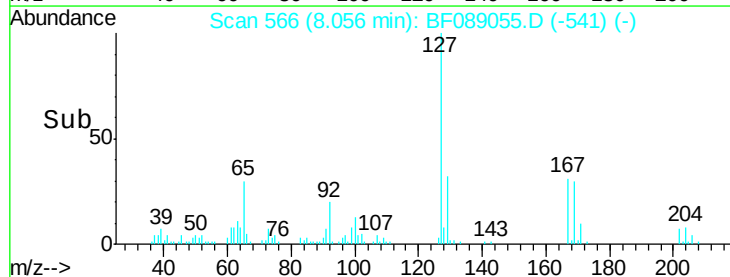
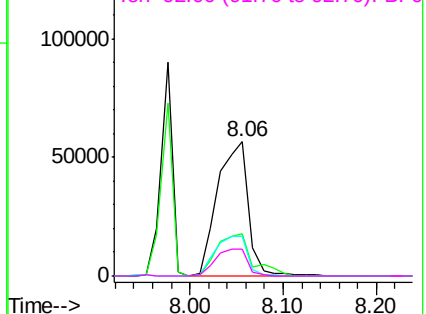


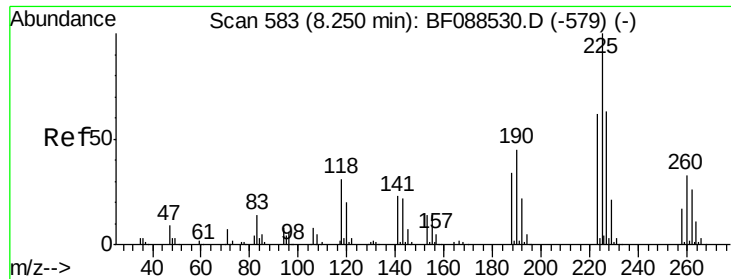
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

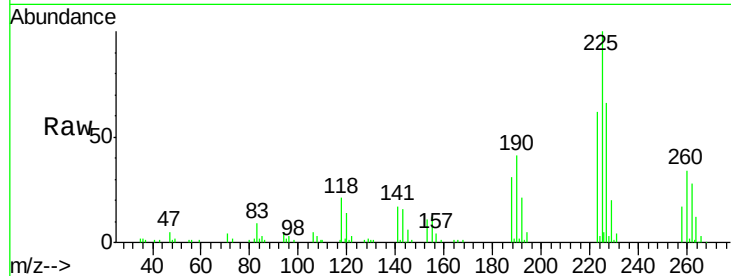




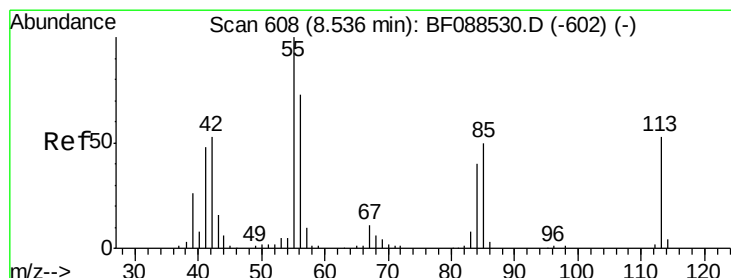
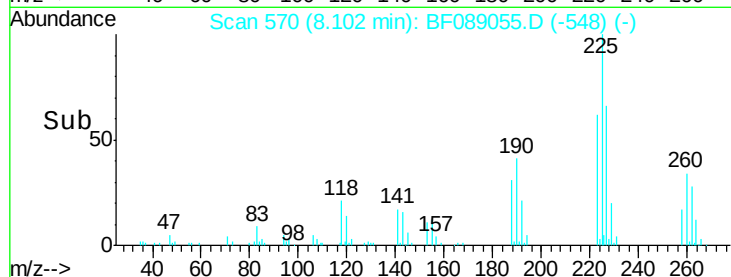
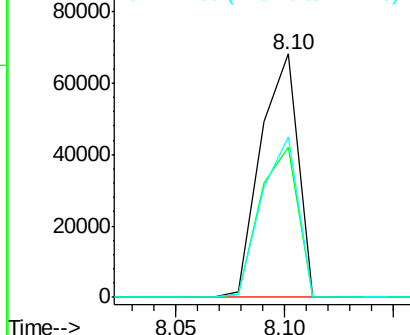
#34
Hexachlorobutadiene
Concen: 44.97 ng
RT: 8.10 min Scan# 570
Delta R.T. -0.05 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Instrument :
BNA_F
ClientSampled :

Tot Ion:225 Resp: 81544
Ion Ratio Lower Upper
225 100
223 61.8 50.9 76.3
227 66.0 51.9 77.9

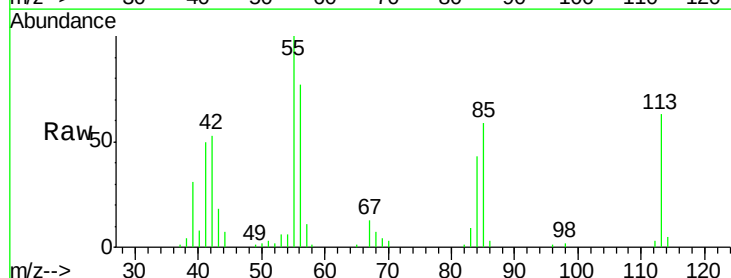


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

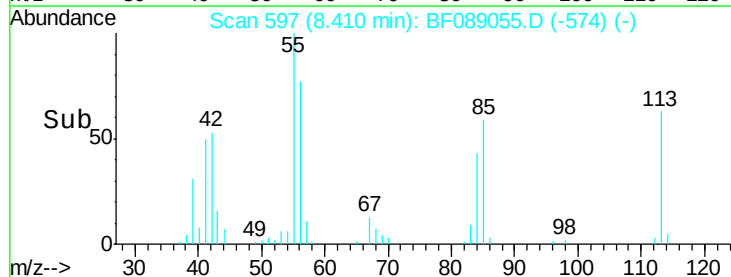
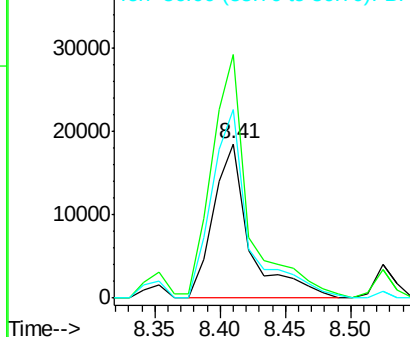


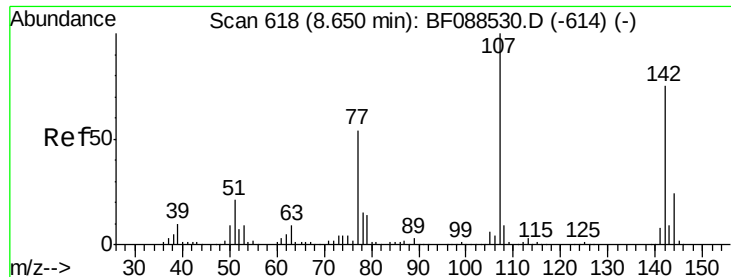
#35
Caprolactam
Concen: 34.59 ng
RT: 8.41 min Scan# 597
Delta R.T. -0.03 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Tgt Ion:113 Resp: 36245
Ion Ratio Lower Upper
113 100
55 158.0 158.6 198.6#
56 122.4 110.6 150.6



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0





#36

4-Chloro-3-methylphenol

Concen: 39.67 ng

RT: 8.52 min Scan# 607

Delta R.T. -0.03 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

Instrument :

BNA_F

ClientSampleId :

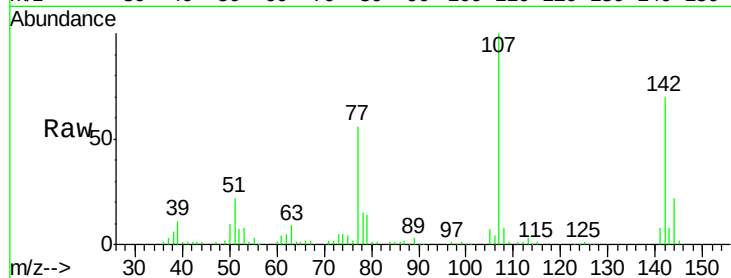
Tot Ion:107 Resp: 144736

Ion Ratio Lower Upper

107 100

144 22.1 20.8 31.2

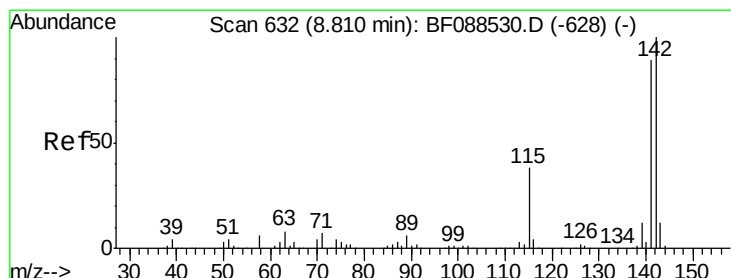
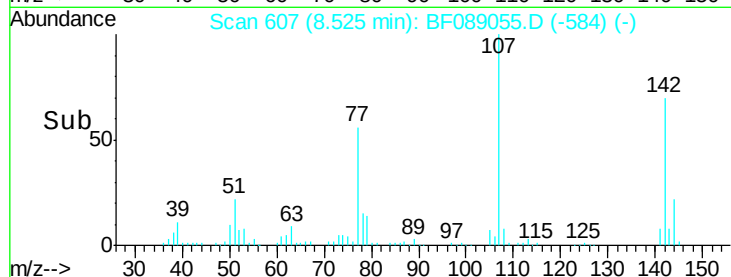
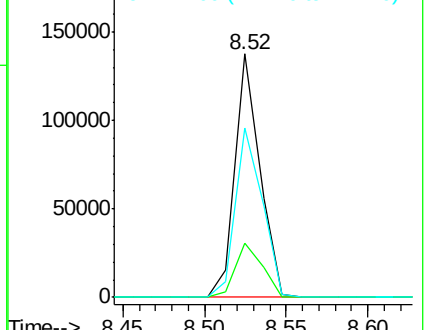
142 69.7 63.4 95.2



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#37

2-Methylnaphthalene

Concen: 41.48 ng

RT: 8.66 min Scan# 619

Delta R.T. -0.05 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

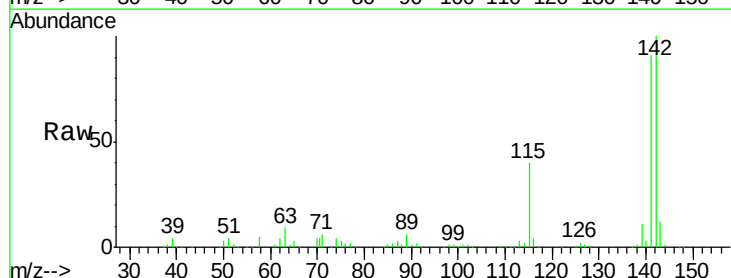
Tgt Ion:142 Resp: 305951

Ion Ratio Lower Upper

142 100

141 90.7 71.0 106.6

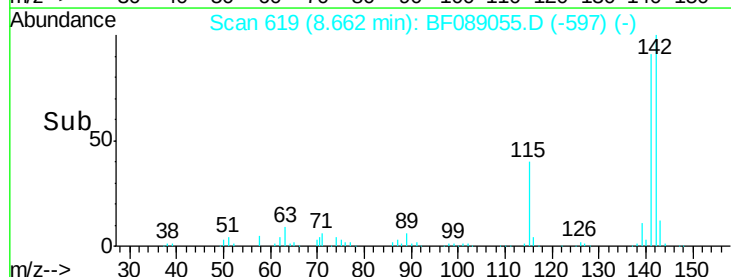
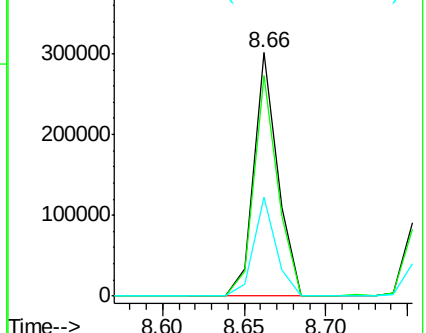
115 40.5 22.6 33.8#

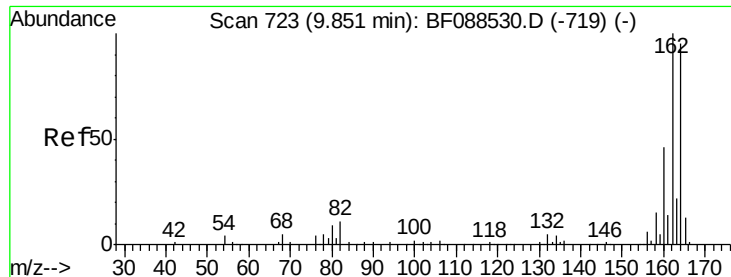


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.70 min Scan# 710

Delta R.T. -0.05 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

Instrument :

BNA_F

ClientSampleId :

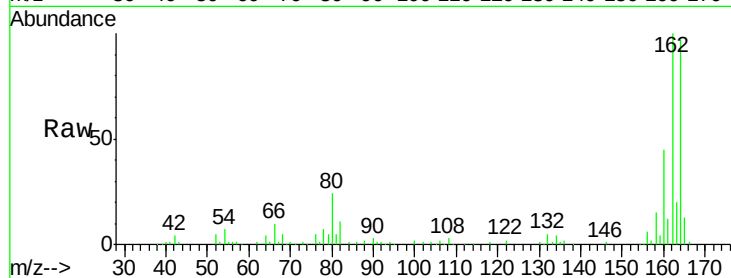
Tot Ion:164 Resp: 92441

Ion Ratio Lower Upper

164 100

162 103.5 85.4 128.2

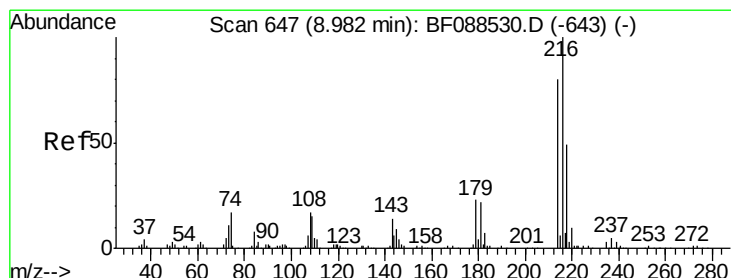
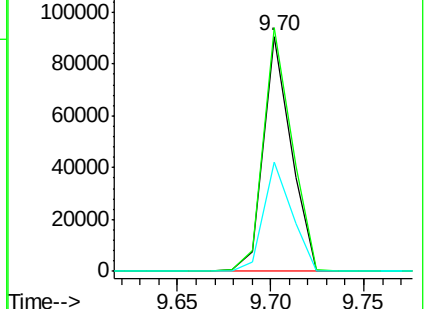
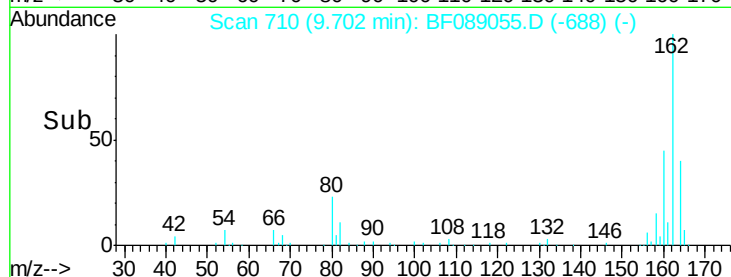
160 46.6 39.5 59.3



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: 47.50 ng

RT: 8.83 min Scan# 634

Delta R.T. -0.05 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

Tgt Ion:216 Resp: 146043

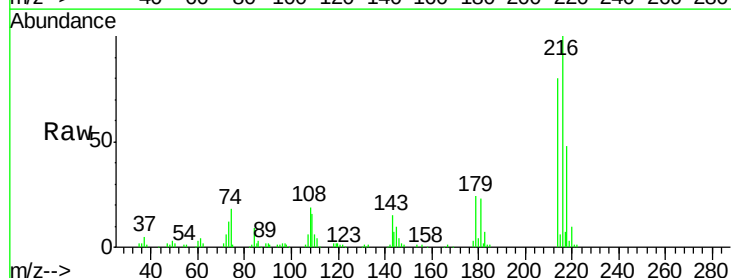
Ion Ratio Lower Upper

216 100

214 80.0 2.9 4.3#

179 23.8 0.0 0.0#

108 21.2 0.5 0.7#

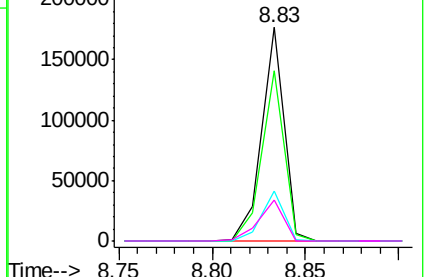
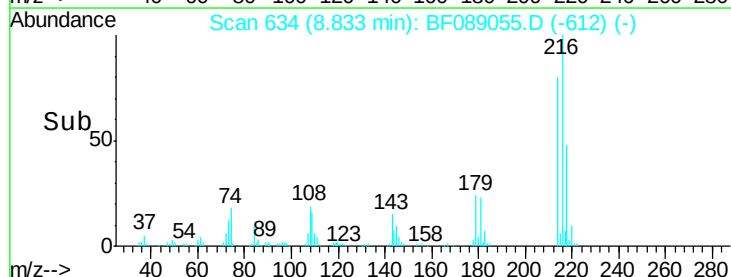


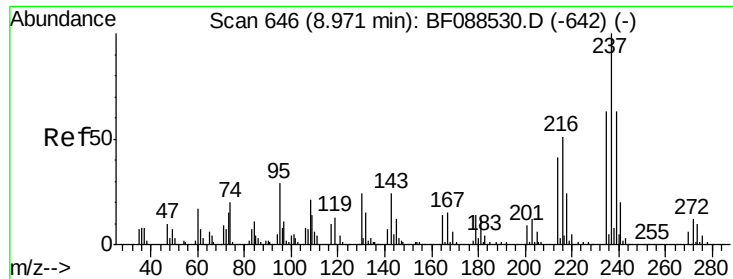
Abundance Ion 216.00 (215.70 to 216.70): E

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: 11.79 ng

RT: 8.82 min Scan# 633

Delta R.T. -0.05 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

Instrument :

BNA_F

ClientSampled :

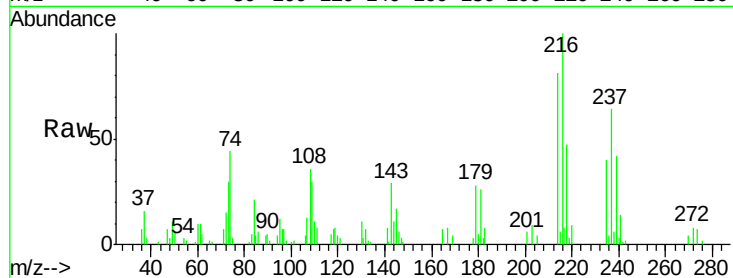
Tot Ion:237 Resp: 17786

Ion Ratio Lower Upper

237 100

235 62.8 43.4 83.4

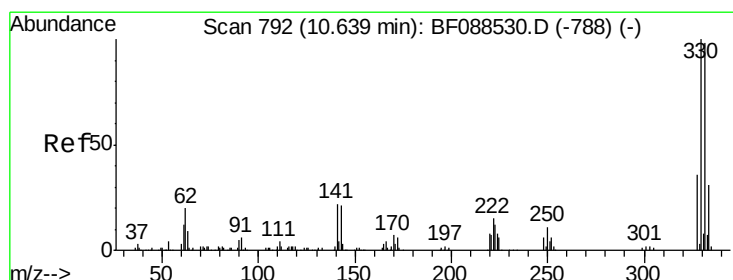
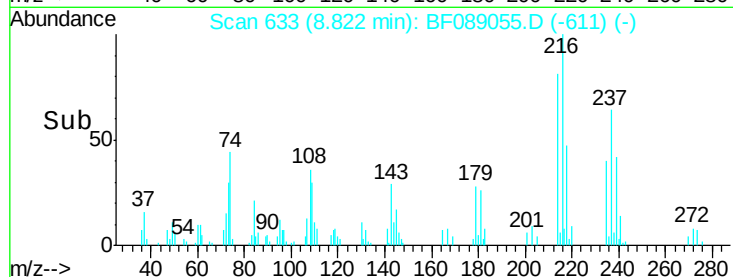
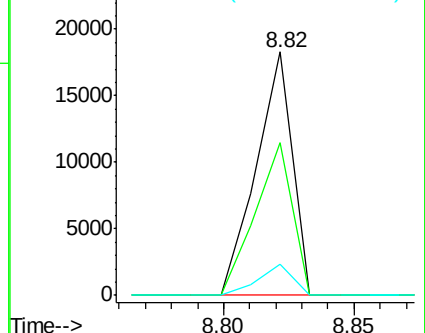
272 12.5 0.0 32.3



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: 107.73 ng

RT: 10.50 min Scan# 780

Delta R.T. -0.03 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

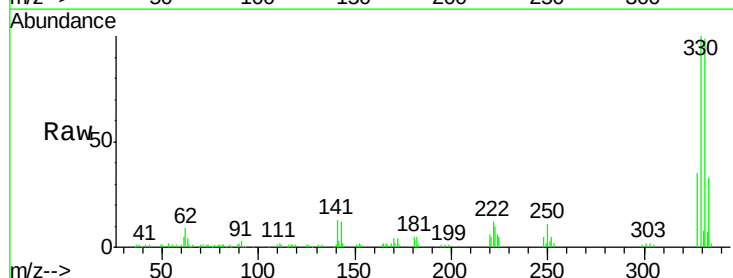
Tgt Ion:330 Resp: 92478

Ion Ratio Lower Upper

330 100

332 97.1 0.0 0.0#

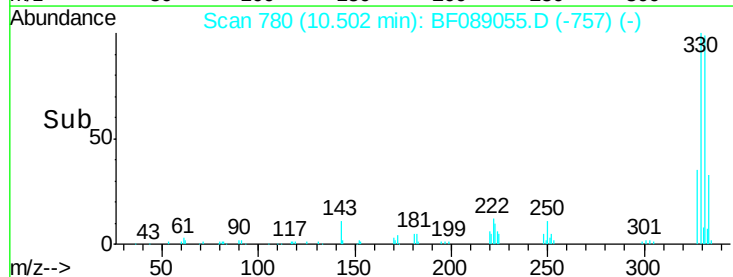
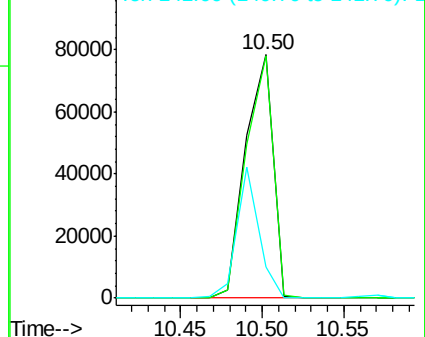
141 42.7 0.0 0.0#

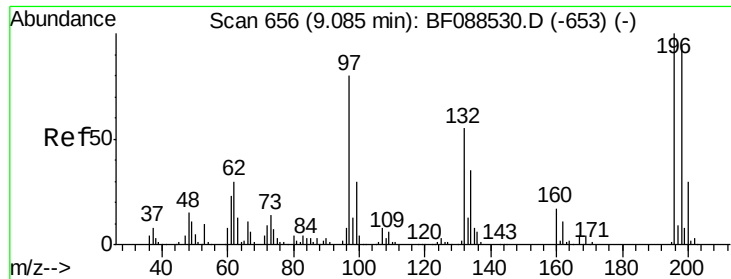


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

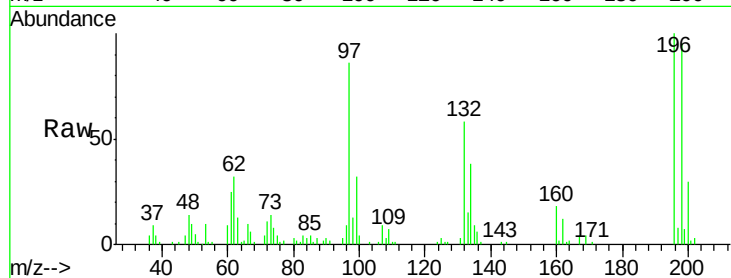




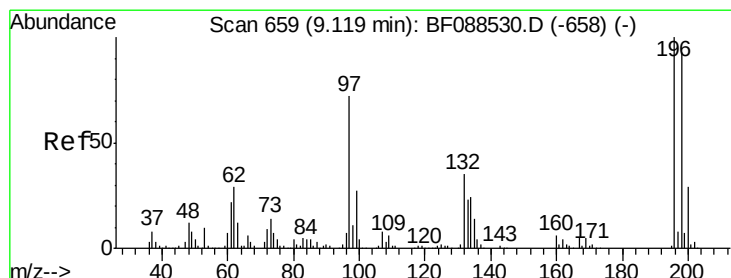
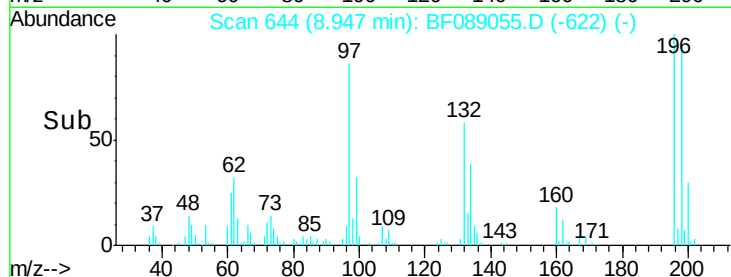
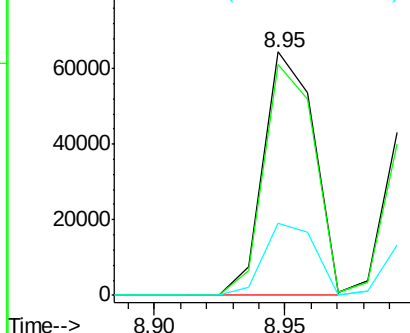
#42
 2,4,6-Trichlorophenol
 Concen: 42.76 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.05 min
 Lab File: BF089055.D
 Acq: 16 Jul 2016 15:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:196 Resp: 86680
 Ion Ratio Lower Upper
 196 100
 198 94.7 78.0 117.0
 200 29.5 25.4 38.2

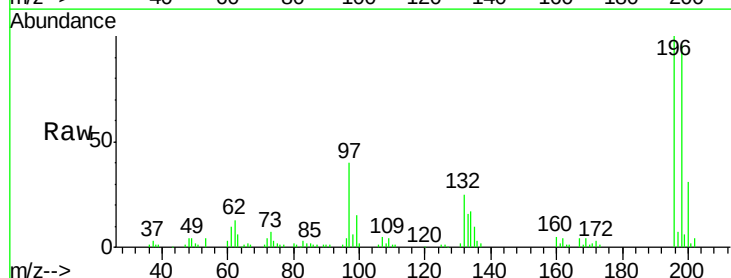


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

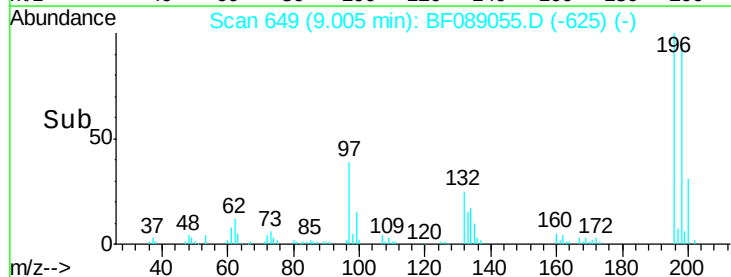
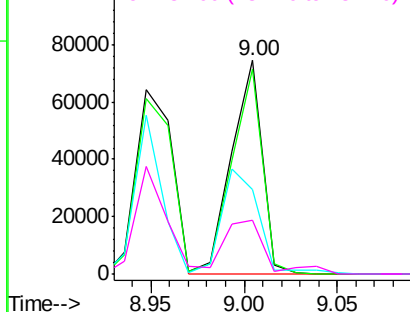


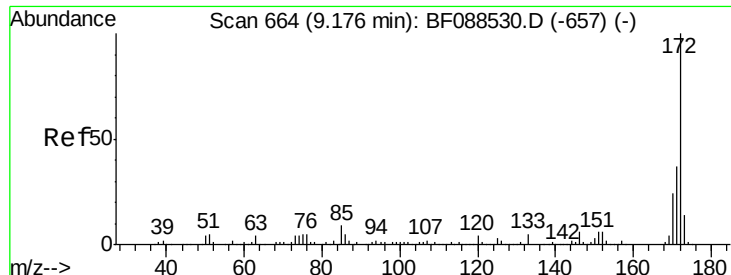
#43
 2,4,5-Trichlorophenol
 Concen: 49.13 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.02 min
 Lab File: BF089055.D
 Acq: 16 Jul 2016 15:09

Tgt Ion:196 Resp: 85686
 Ion Ratio Lower Upper
 196 100
 198 96.2 77.5 116.3
 97 39.8 32.0 48.0
 132 25.1 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

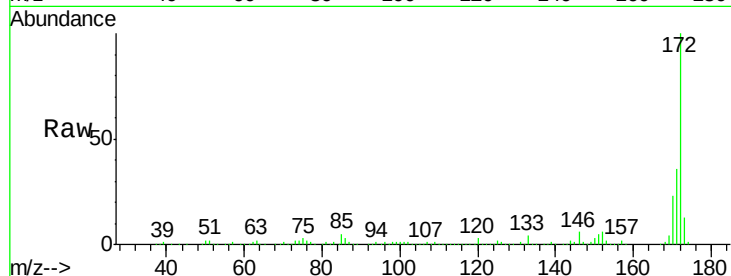




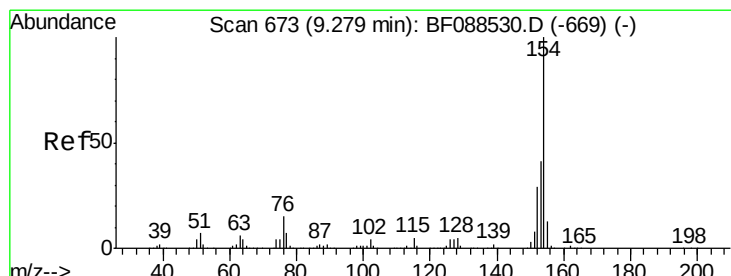
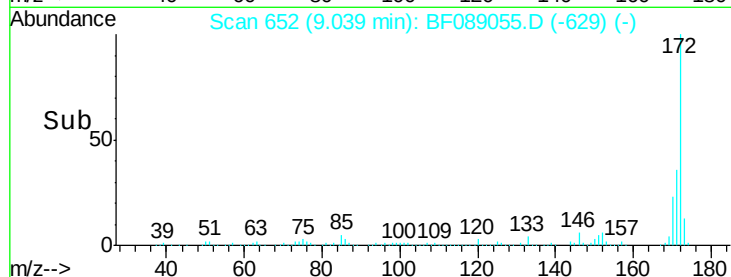
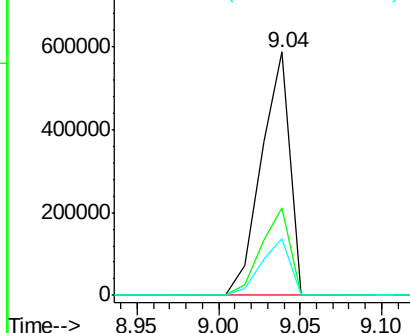
#44
 2-Fluorobiphenyl
 Concen: 121.51 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.03 min
 Lab File: BF089055.D
 Acq: 16 Jul 2016 15:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	23.4	19.2	28.8

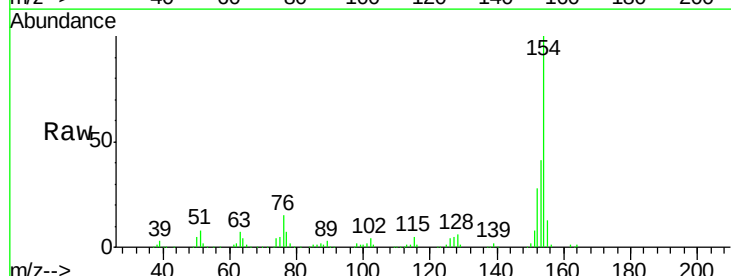


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

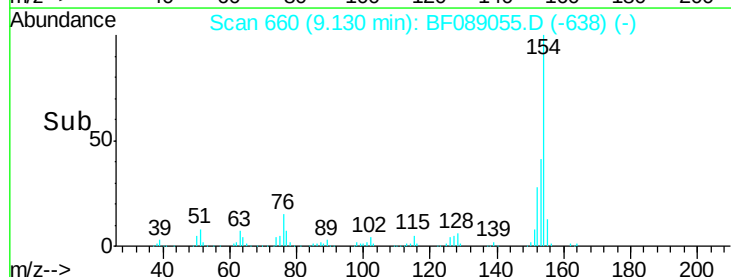
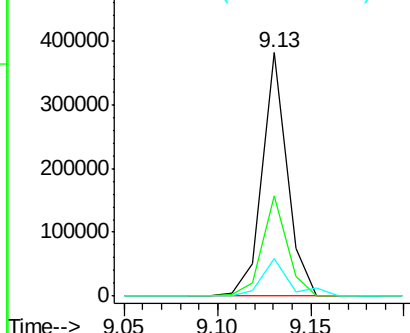


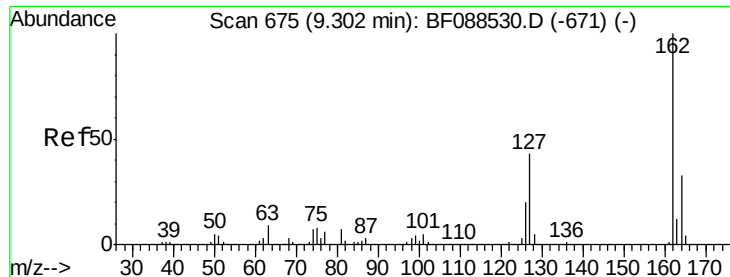
#45
 1,1'-Biphenyl
 Concen: 45.83 ng
 RT: 9.13 min Scan# 660
 Delta R.T. -0.05 min
 Lab File: BF089055.D
 Acq: 16 Jul 2016 15:09

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.2	20.6	60.6
76	15.2	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

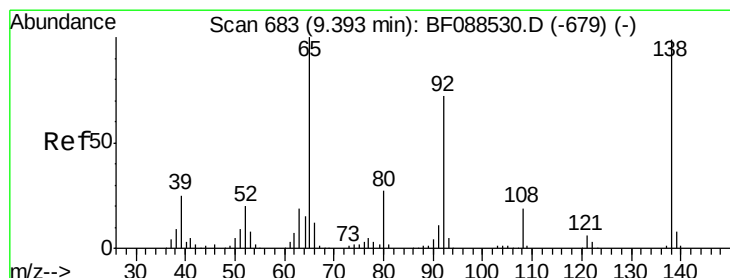
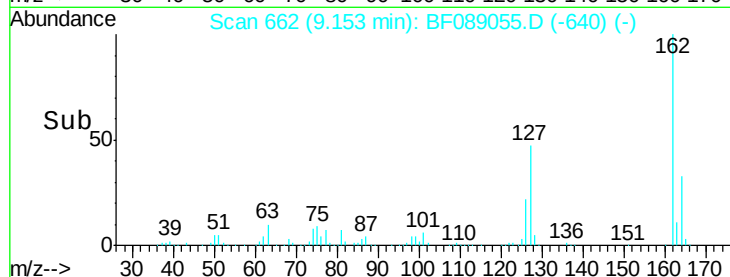
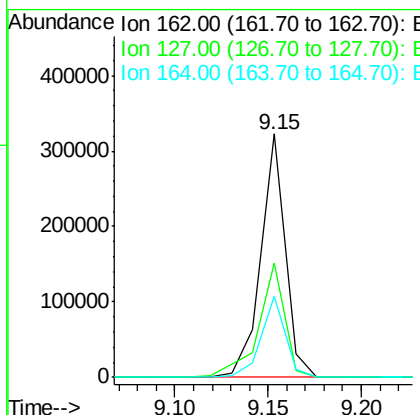
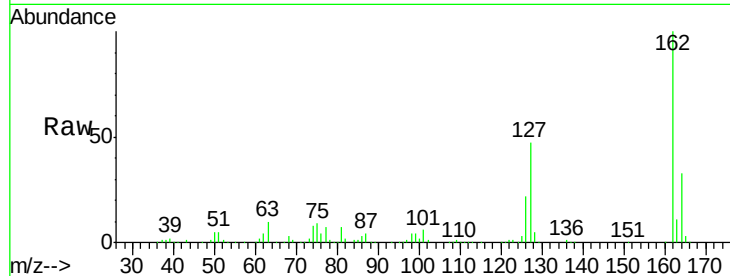




#46
 2-Chloronaphthalene
 Concen: 48.15 ng
 RT: 9.15 min Scan# 662
 Delta R.T. -0.05 min
 Lab File: BF089055.D
 Acq: 16 Jul 2016 15:09

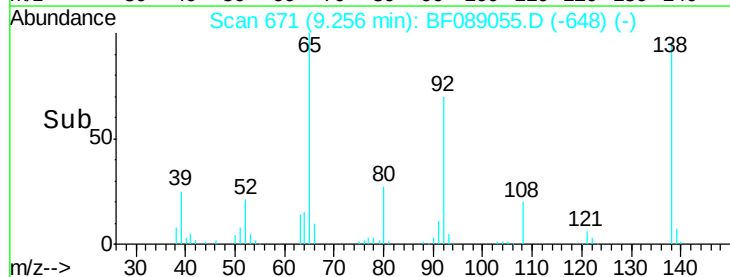
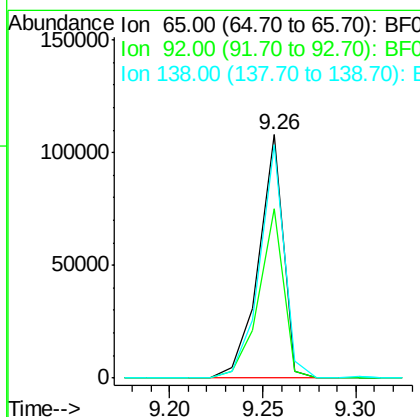
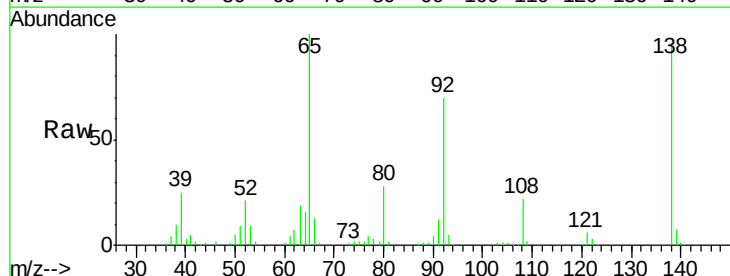
Instrument :
 BNA_F
 ClientSampleId :

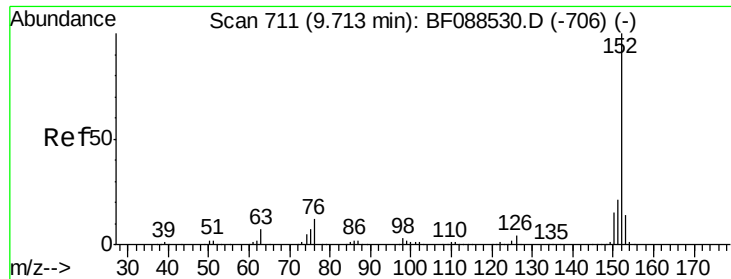
Tot Ion:162 Resp: 289330
 Ion Ratio Lower Upper
 162 100
 127 46.8 35.2 52.8
 164 33.3 26.6 39.8



#47
 2-Nitroaniline
 Concen: 47.11 ng
 RT: 9.26 min Scan# 671
 Delta R.T. -0.03 min
 Lab File: BF089055.D
 Acq: 16 Jul 2016 15:09

Tgt Ion: 65 Resp: 100476
 Ion Ratio Lower Upper
 65 100
 92 69.6 54.6 82.0
 138 96.0 77.0 115.4





#48

Acenaphthylene

Concen: 45.30 ng

RT: 9.56 min Scan# 698

Delta R.T. -0.05 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

Instrument :

BNA_F

ClientSampleId :

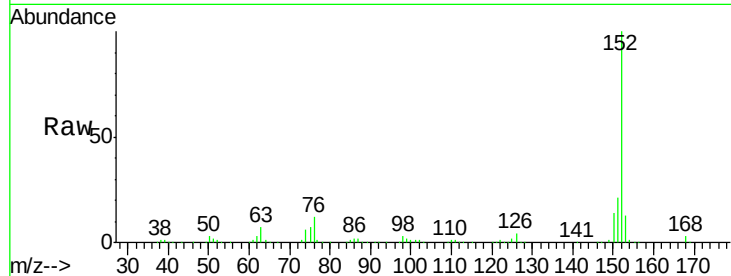
Tot Ion:152 Resp: 433108

Ion Ratio Lower Upper

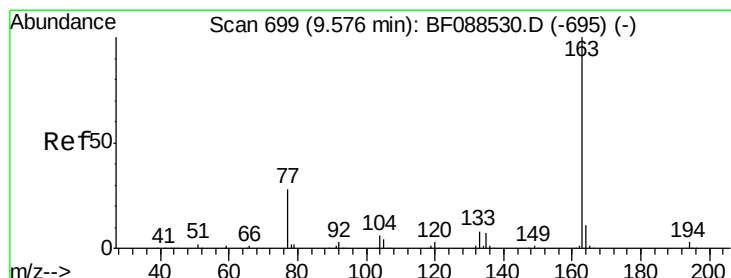
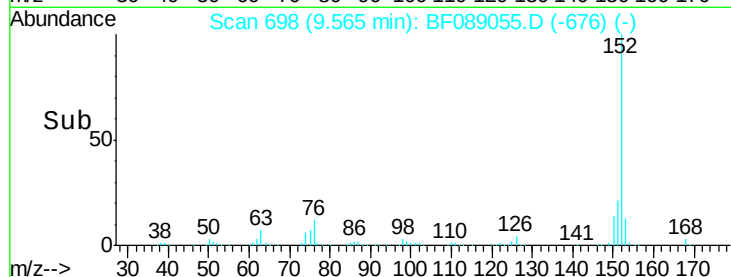
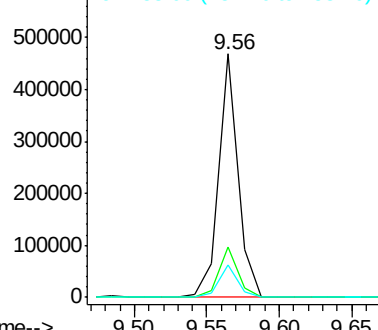
152 100

151 20.6 16.2 24.4

153 13.4 11.0 16.6



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



#49

Dimethylphthalate

Concen: 117.41 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.03 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

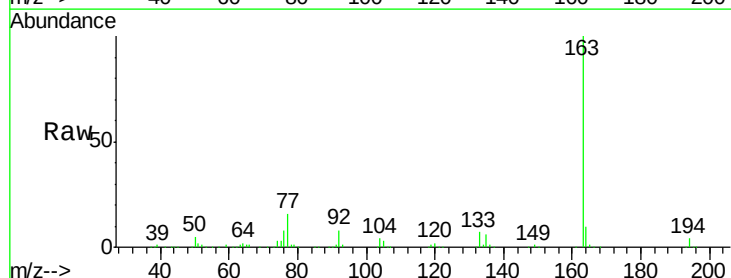
Tgt Ion:163 Resp: 773262

Ion Ratio Lower Upper

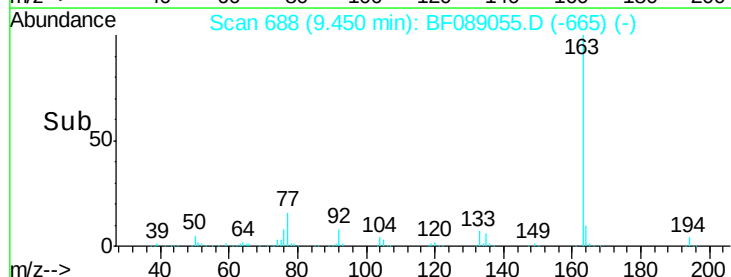
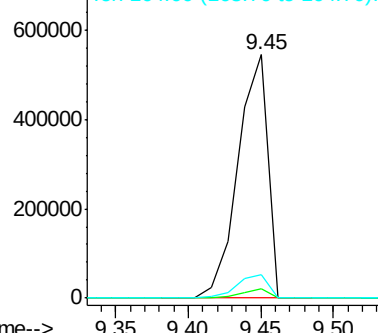
163 100

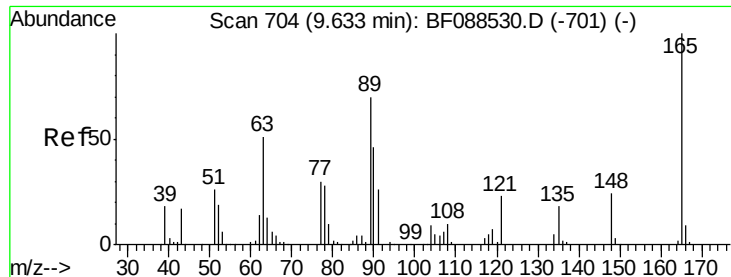
194 3.7 2.8 4.2

164 9.8 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

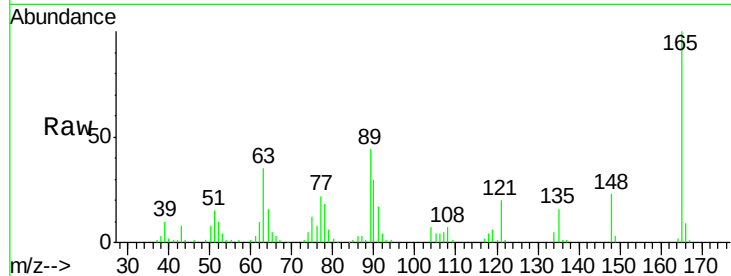




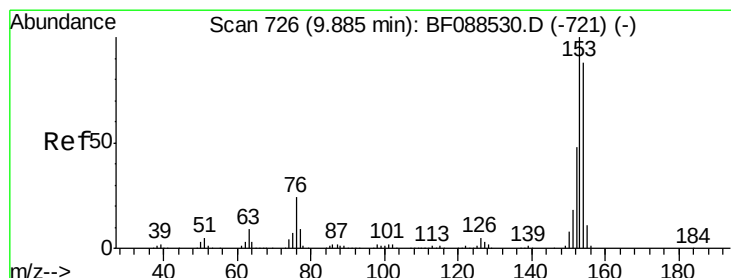
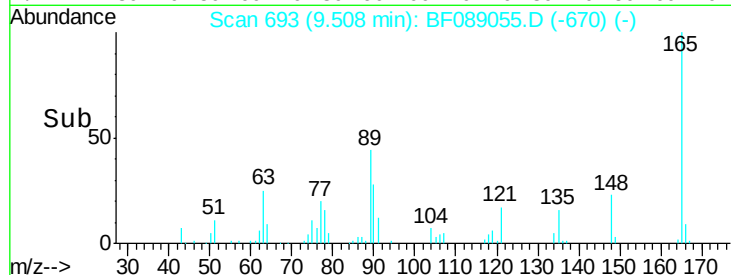
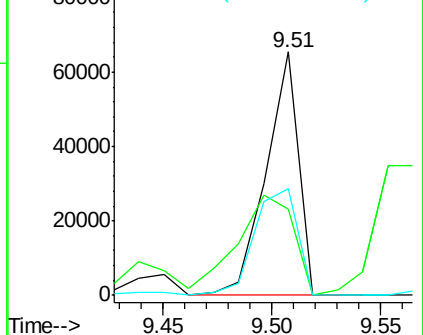
#50
2,6-Dinitrotoluene
Concen: 47.10 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.03 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 68741
Ion Ratio Lower Upper
165 100
63 35.3 28.1 42.1
89 43.7 32.2 48.2

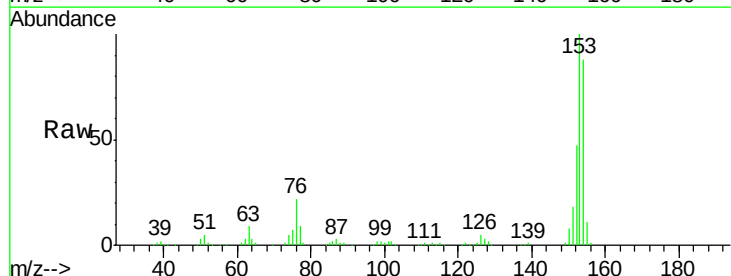


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

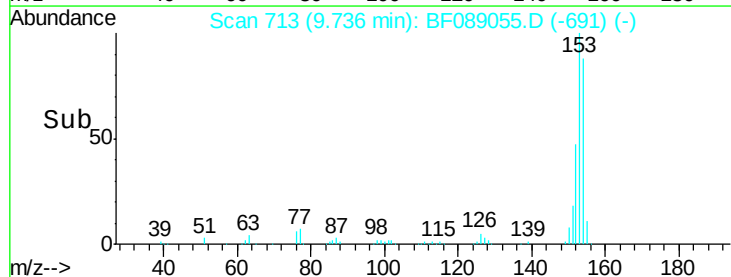
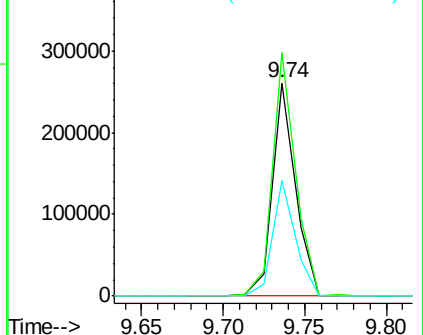


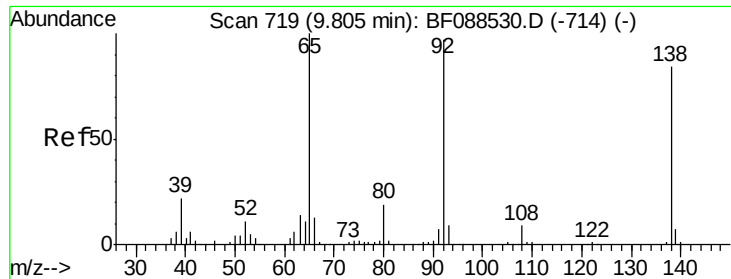
#51
Acenaphthene
Concen: 43.85 ng
RT: 9.74 min Scan# 713
Delta R.T. -0.05 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Tgt Ion:154 Resp: 257020
Ion Ratio Lower Upper
154 100
153 114.1 89.5 134.3
152 54.0 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

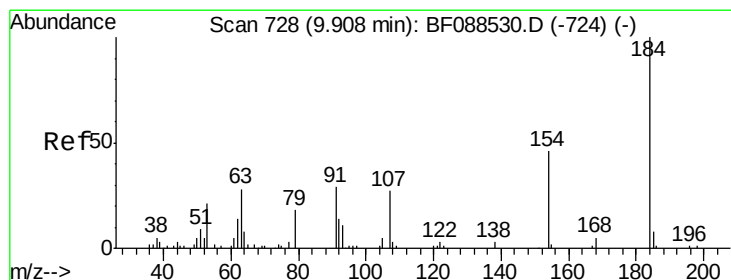
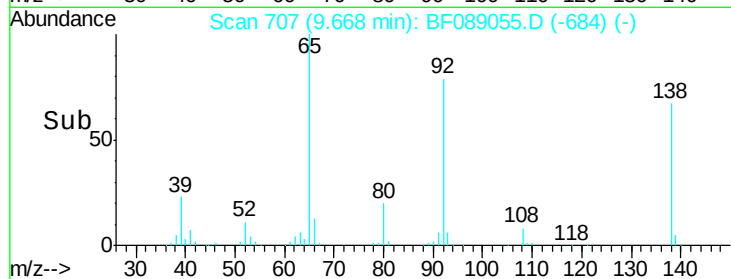
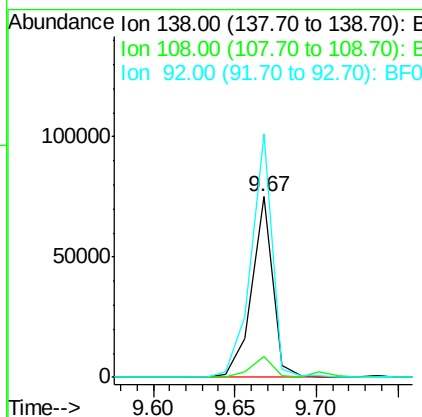
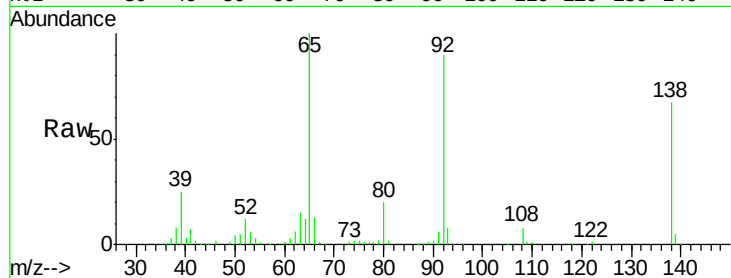




#52
 3-Nitroaniline
 Concen: 36.43 ng
 RT: 9.67 min Scan# 707
 Delta R.T. -0.03 min
 Lab File: BF089055.D
 Acq: 16 Jul 2016 15:09

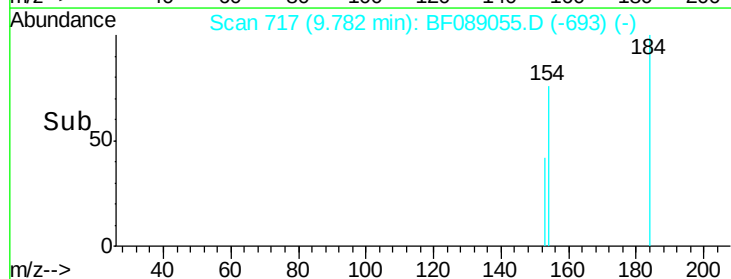
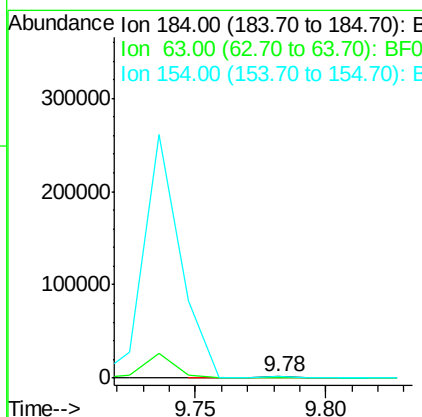
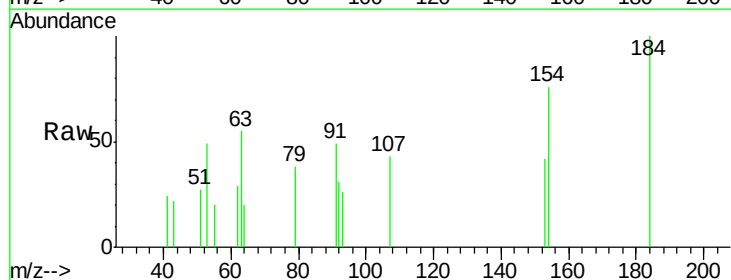
Instrument :
 BNA_F
 ClientSampleID :

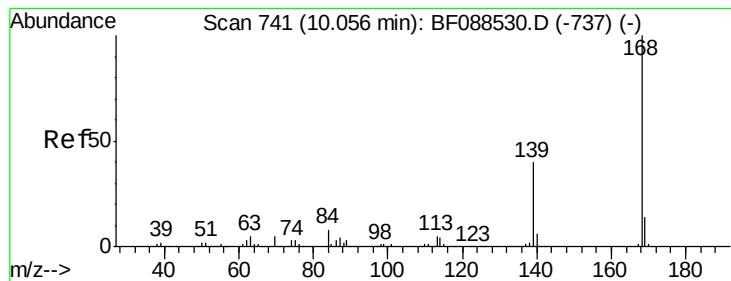
Tot Ion:138 Resp: 67600
 Ion Ratio Lower Upper
 138 100
 108 11.9 8.5 12.7
 92 134.7 95.7 143.5



#53
 2,4-Dinitrophenol
 Concen: 2.18 ng
 RT: 9.78 min Scan# 717
 Delta R.T. -0.02 min
 Lab File: BF089055.D
 Acq: 16 Jul 2016 15:09

Tgt Ion:184 Resp: 1408
 Ion Ratio Lower Upper
 184 100
 63 55.4 57.6 86.4#
 154 76.5 53.5 80.3





#54

Dibenzofuran

Concen: 48.22 ng

RT: 9.91 min Scan# 728

Delta R.T. -0.05 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

Instrument :

BNA_F

ClientSampleId :

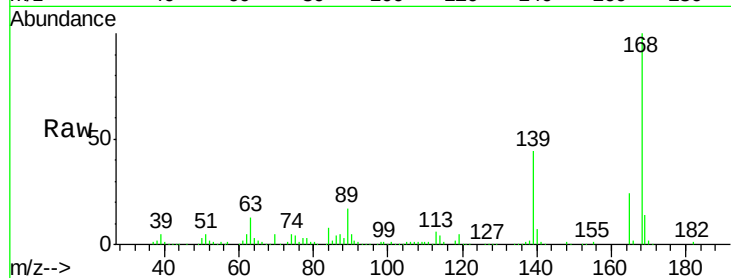
Tot Ion:168 Resp: 369920

Ion Ratio Lower Upper

168 100

139 44.1 26.4 39.6#

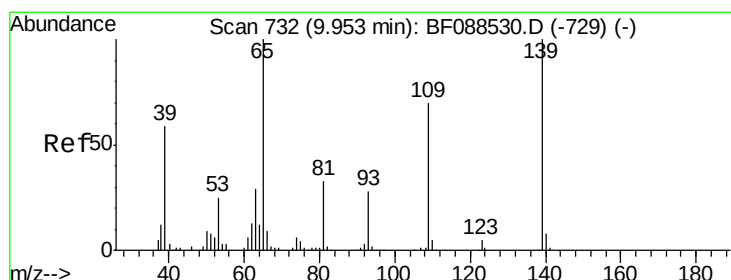
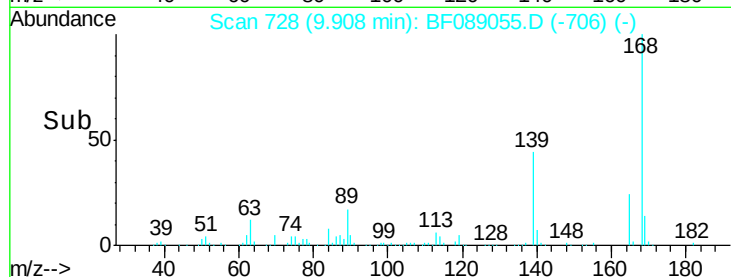
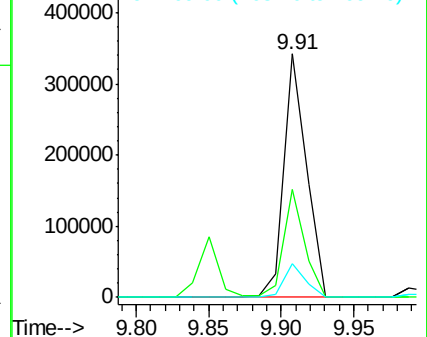
169 13.7 10.4 15.6



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: 57.92 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

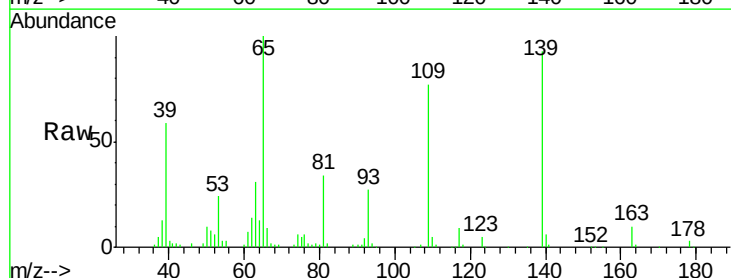
Tgt Ion:139 Resp: 81674

Ion Ratio Lower Upper

139 100

109 82.6 48.9 88.9

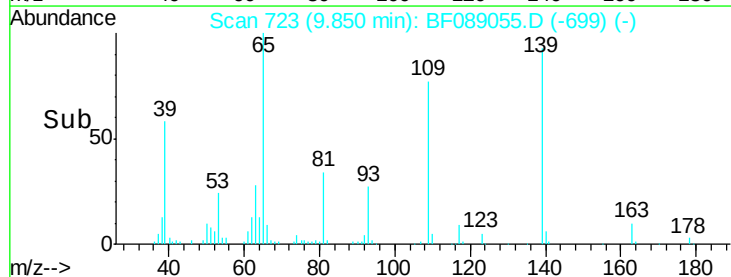
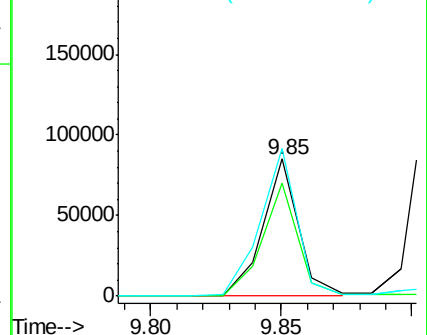
65 107.8 84.9 124.9

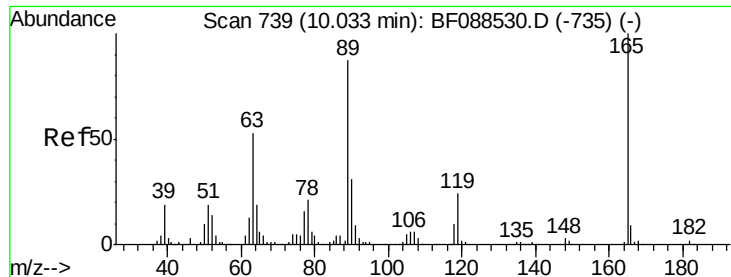


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

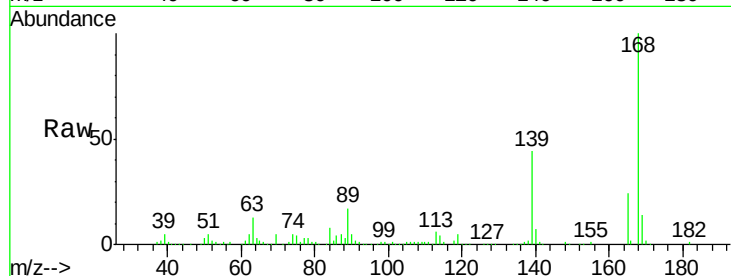




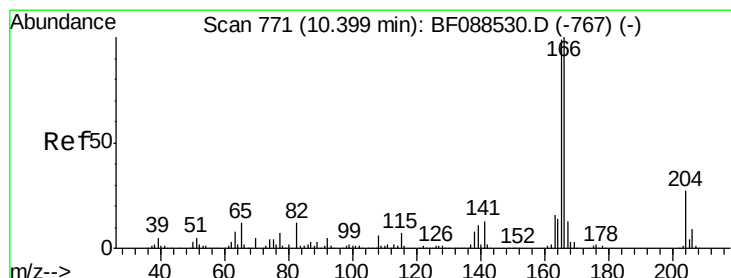
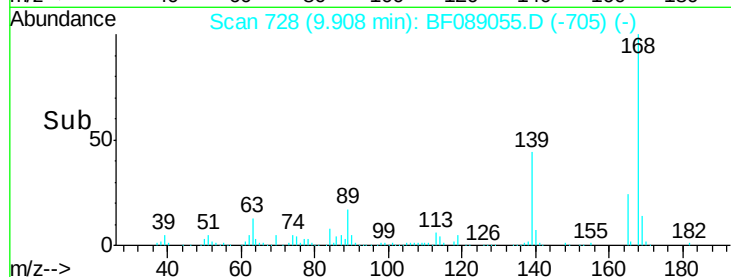
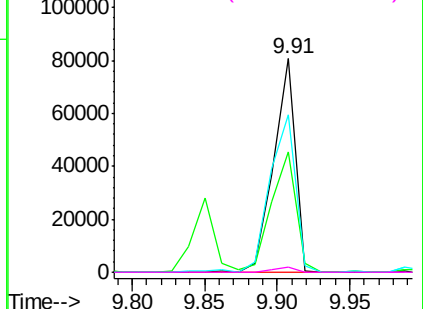
#56
2,4-Dinitrotoluene
Concen: 43.75 ng
RT: 9.91 min Scan# 728
Delta R.T. -0.03 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 83488
Ion Ratio Lower Upper
165 100
63 56.5 22.0 33.0#
89 73.8 41.1 61.7#
182 2.6 2.0 3.0

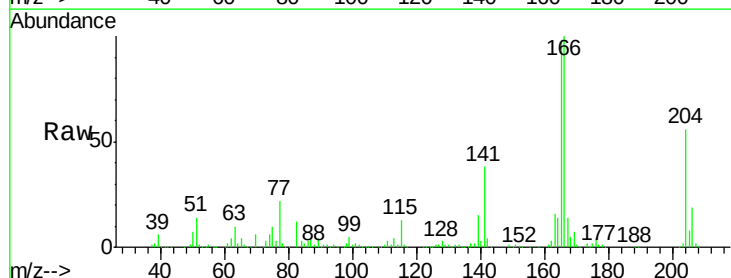


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

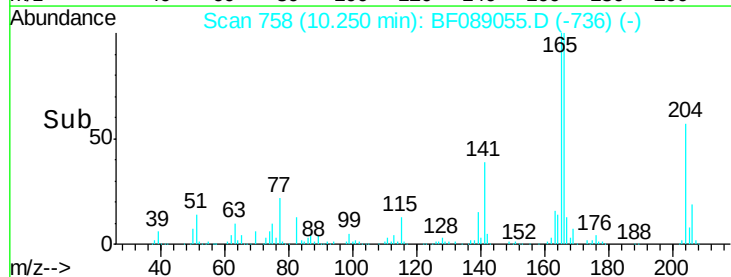
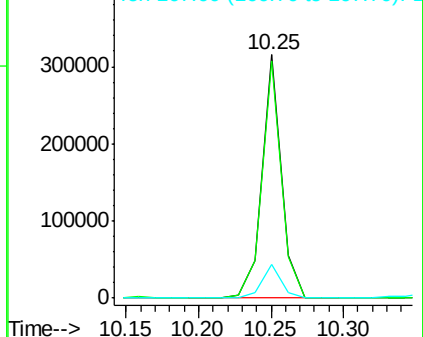


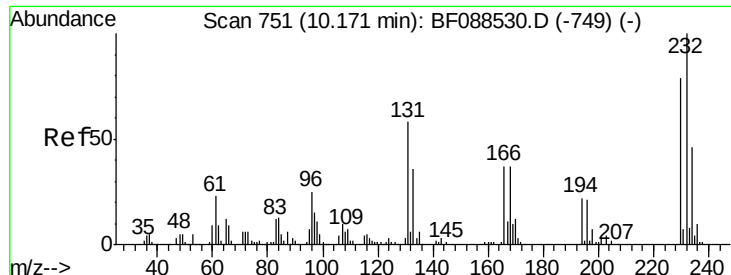
#57
Fluorene
Concen: 49.14 ng
RT: 10.25 min Scan# 758
Delta R.T. -0.05 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Tgt Ion:166 Resp: 290510
Ion Ratio Lower Upper
166 100
165 97.5 77.8 116.8
167 13.7 11.2 16.8



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

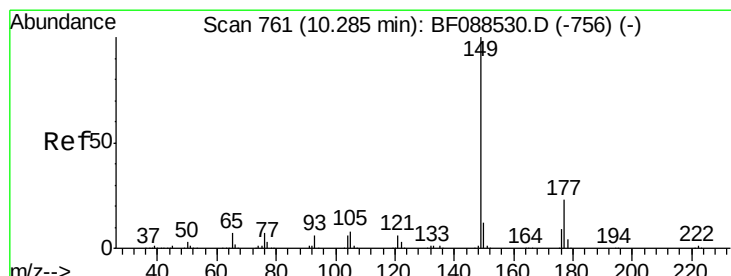
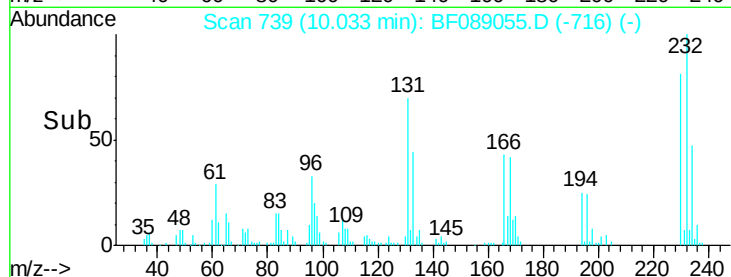
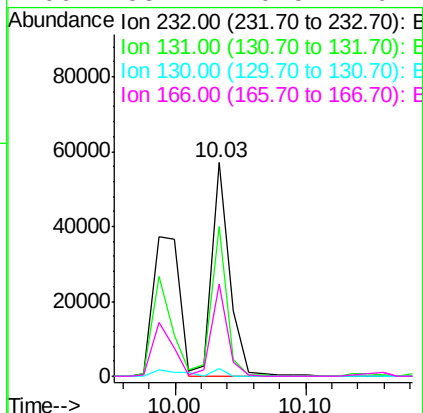
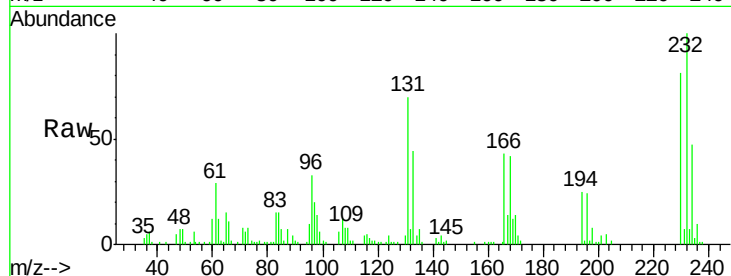




#58
 2,3,4,6-Tetrachlorophenol
 Concen: 40.55 ng
 RT: 10.03 min Scan# 739
 Delta R.T. -0.03 min
 Lab File: BF089055.D
 Acq: 16 Jul 2016 15:09

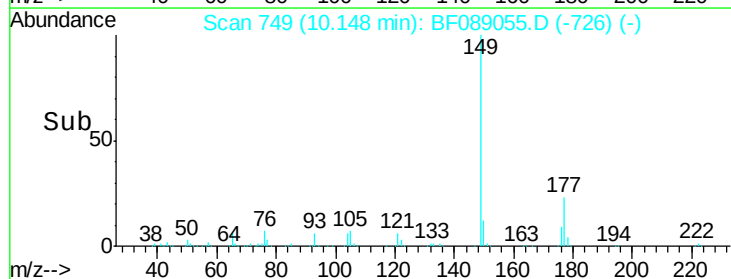
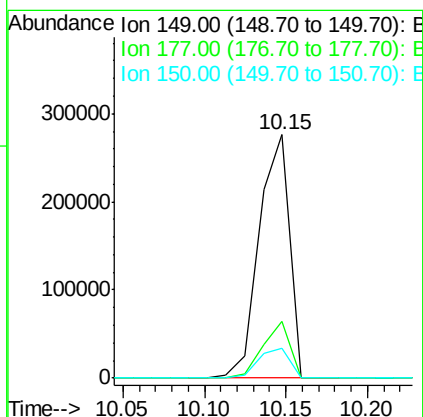
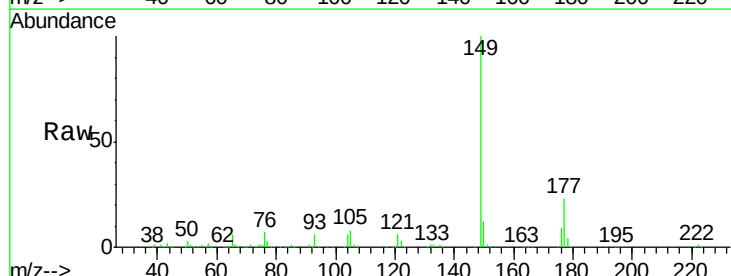
Instrument :
 BNA_F
 ClientSampled :

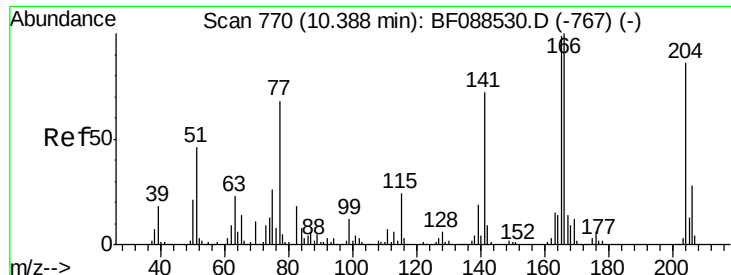
Tot Ion:232 Resp: 54725
 Ion Ratio Lower Upper
 232 100
 131 61.0 0.9 1.3#
 130 2.7 1.5 2.3#
 166 38.2 0.5 0.7#



#59
 Diethylphthalate
 Concen: 53.81 ng
 RT: 10.15 min Scan# 749
 Delta R.T. -0.03 min
 Lab File: BF089055.D
 Acq: 16 Jul 2016 15:09

Tgt Ion:149 Resp: 355661
 Ion Ratio Lower Upper
 149 100
 177 23.3 16.9 25.3
 150 12.1 10.1 15.1

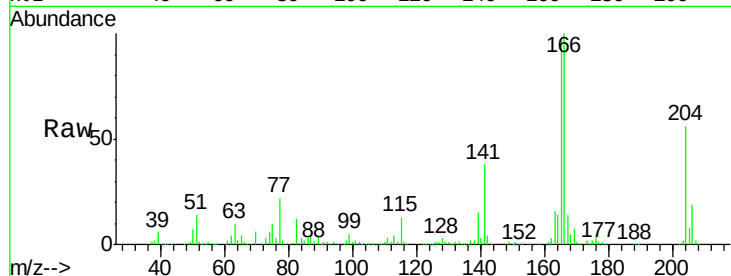




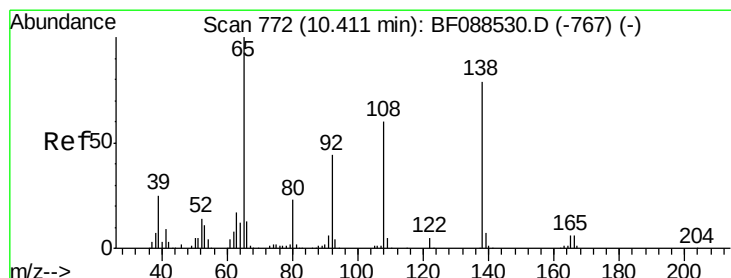
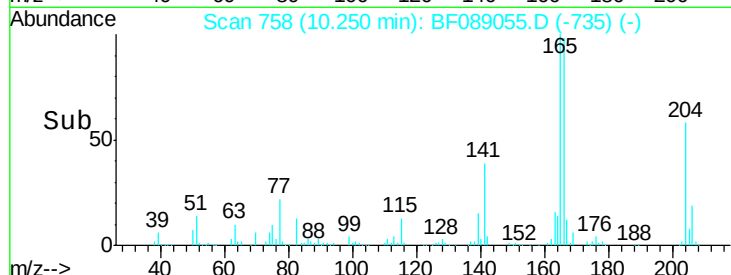
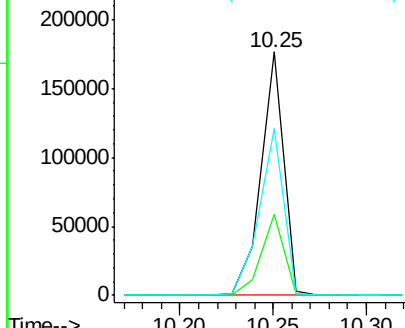
#60
 4-Chlorophenyl-phenylether
 Concen: 53.88 ng
 RT: 10.25 min Scan# 758
 Delta R.T. -0.03 min
 Lab File: BF089055.D
 Acq: 16 Jul 2016 15:09

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:204 Resp: 147996
 Ion Ratio Lower Upper
 204 100
 206 33.1 26.3 39.5
 141 68.4 55.0 82.6

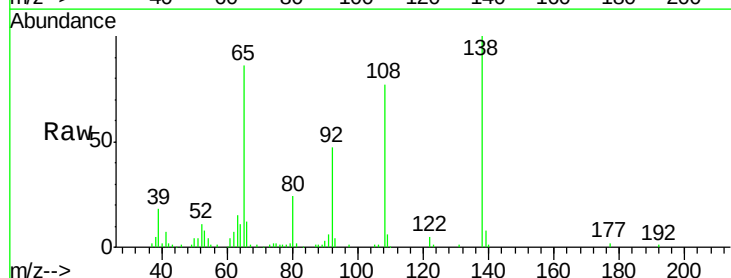


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

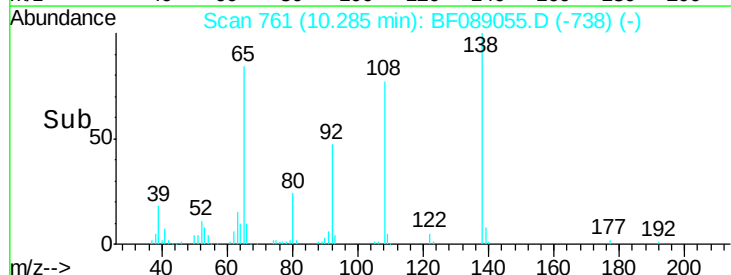
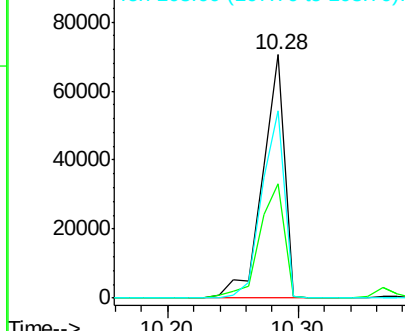


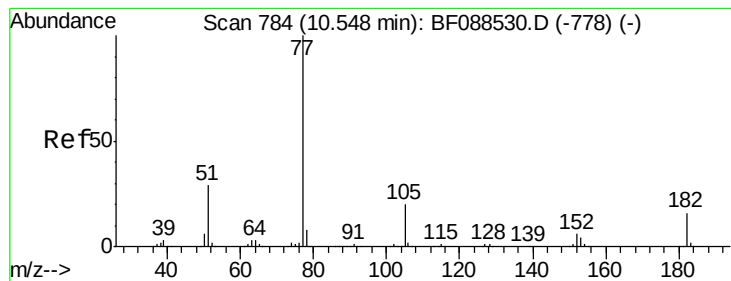
#61
 4-Nitroaniline
 Concen: 46.44 ng
 RT: 10.28 min Scan# 761
 Delta R.T. -0.03 min
 Lab File: BF089055.D
 Acq: 16 Jul 2016 15:09

Tgt Ion:138 Resp: 82913
 Ion Ratio Lower Upper
 138 100
 92 46.8 27.3 67.3
 108 77.1 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: 48.87 ng

RT: 10.41 min Scan# 772

Delta R.T. -0.03 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 368452

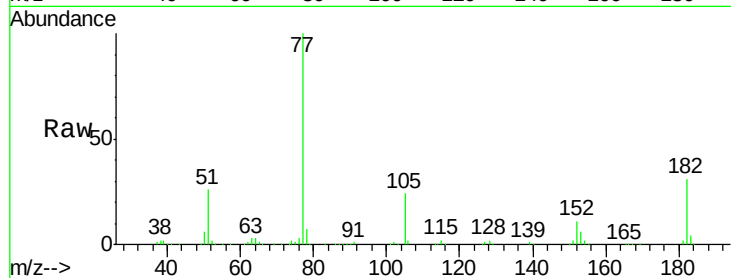
Ion Ratio Lower Upper

77 100

182 31.3 4.4 44.4

105 23.7 3.8 43.8

51 25.9 9.3 49.3

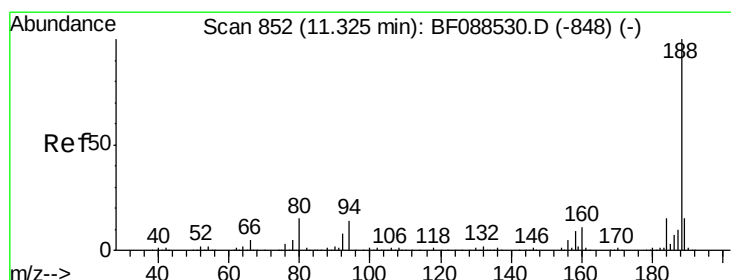
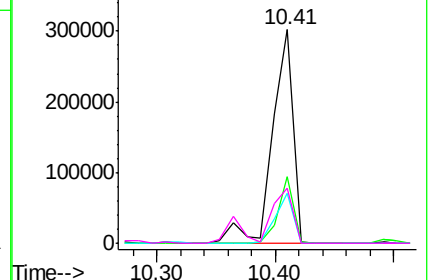
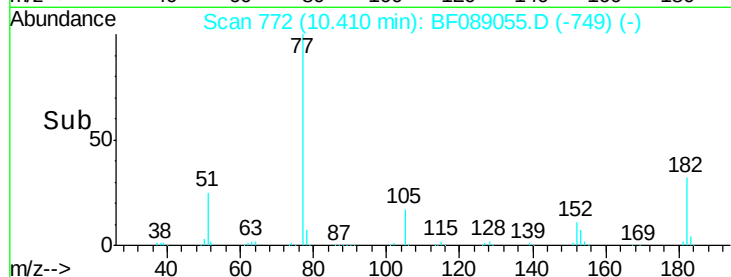


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.19 min Scan# 840

Delta R.T. -0.03 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

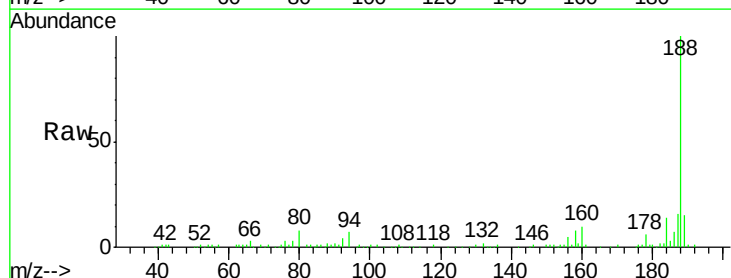
Tgt Ion: 188 Resp: 147573

Ion Ratio Lower Upper

188 100

94 7.2 9.0 13.6#

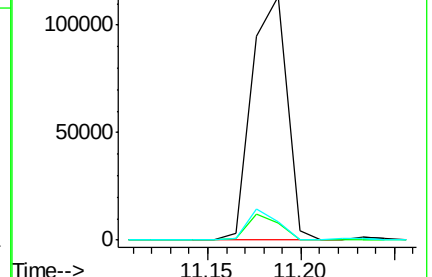
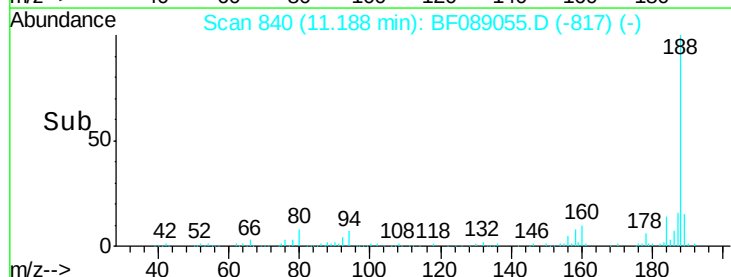
80 7.7 10.0 15.0#

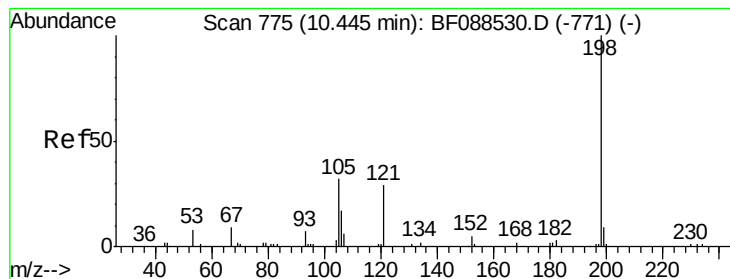


Abundance Ion 188.00 (187.70 to 188.70): E

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: 3.62 ng

RT: 10.32 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

Instrument :

BNA_F

ClientSampled :

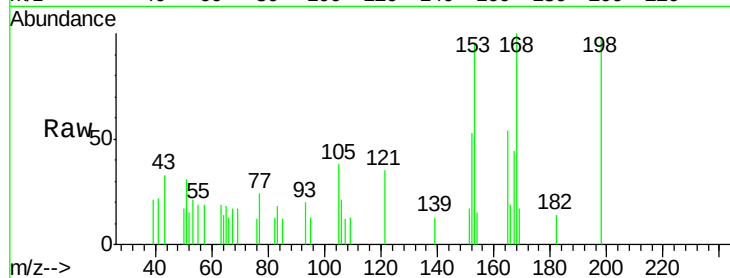
Tot Ion:198 Resp: 2861

Ion Ratio Lower Upper

198 100

51 31.3 39.6 79.6#

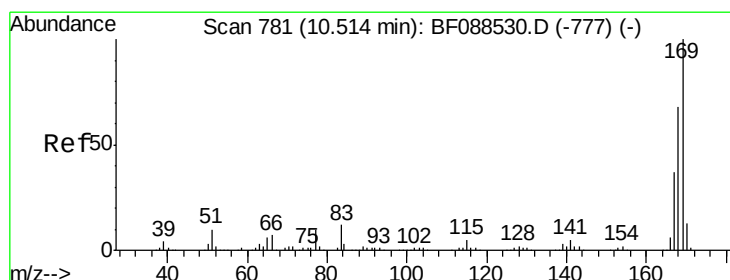
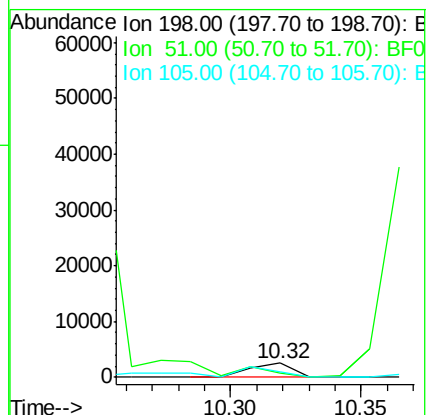
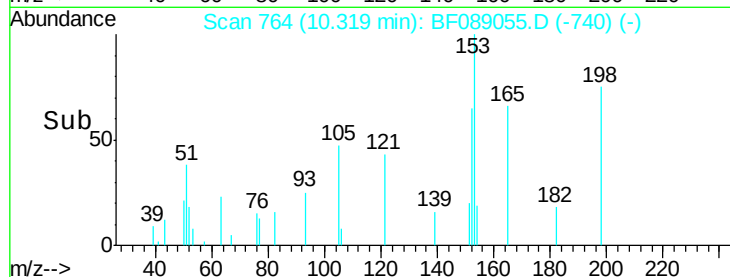
105 39.2 36.6 76.6



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: 51.06 ng

RT: 10.36 min Scan# 768

Delta R.T. -0.05 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

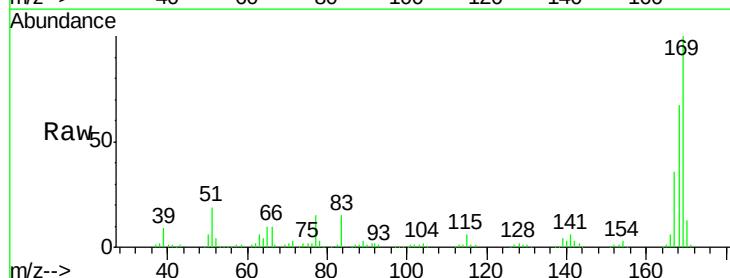
Tgt Ion:169 Resp: 254998

Ion Ratio Lower Upper

169 100

168 66.8 53.4 80.0

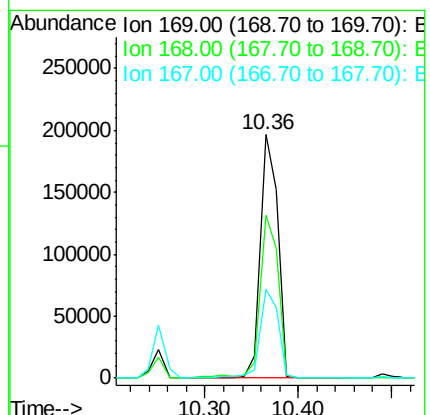
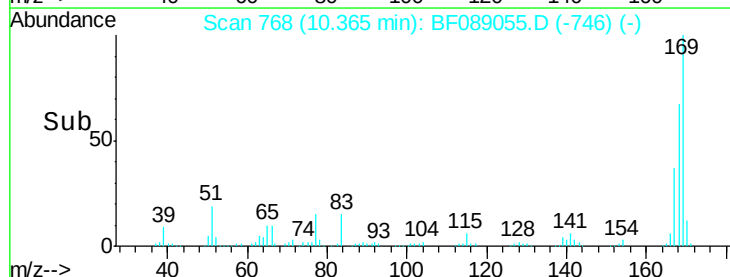
167 36.4 29.4 44.0

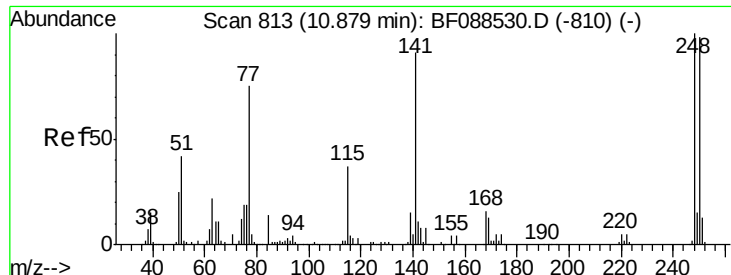


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

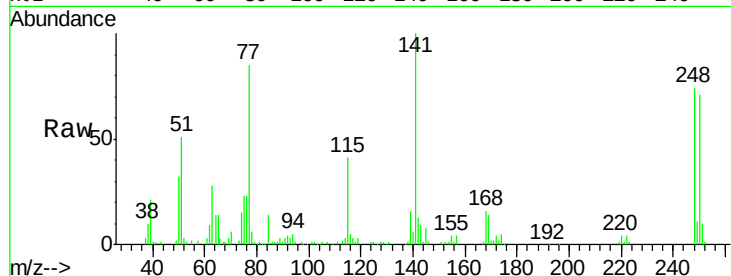




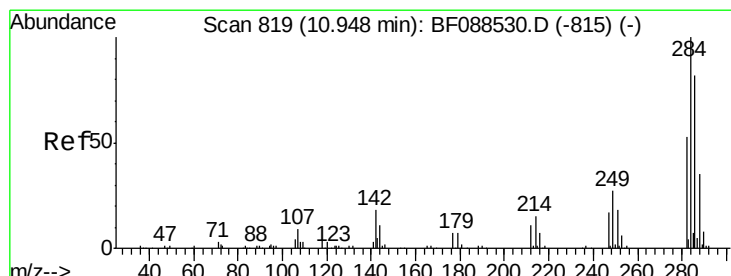
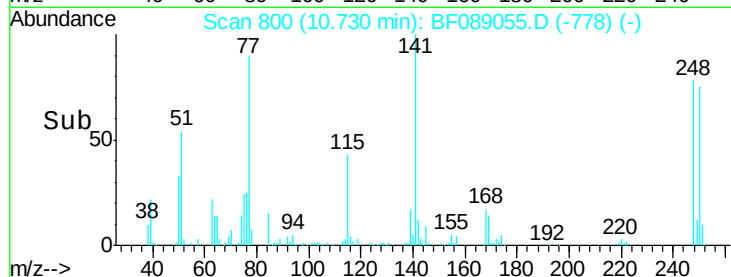
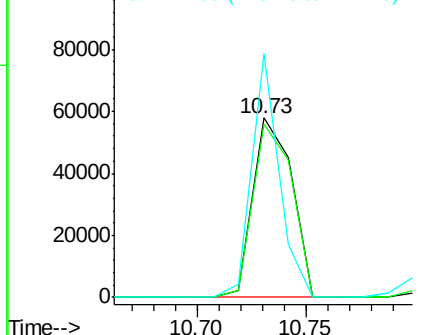
#66
4-Bromophenyl-phenylether
Concen: 48.44 ng
RT: 10.73 min Scan# 800
Delta R.T. -0.05 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 72041
Ion Ratio Lower Upper
248 100
250 97.0 77.1 115.7
141 136.0 50.6 76.0#

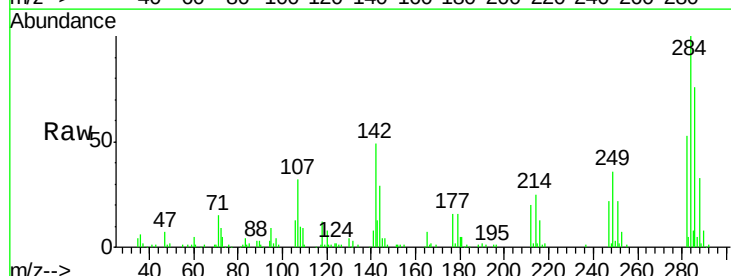


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

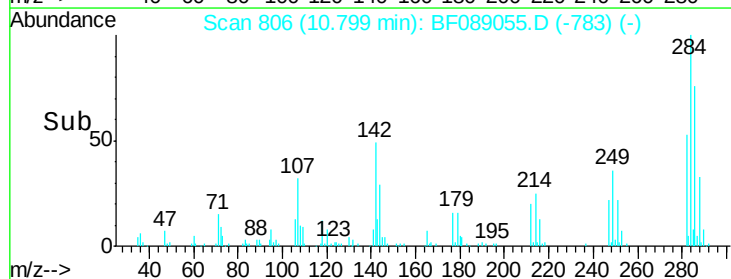
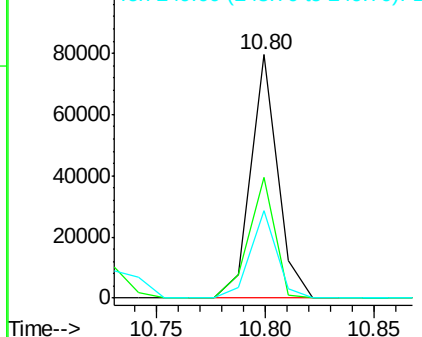


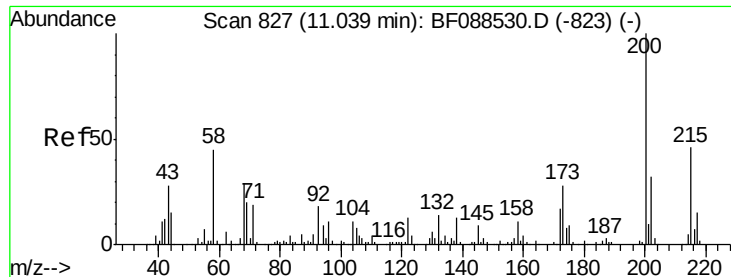
#67
Hexachlorobenzene
Concen: 41.48 ng
RT: 10.80 min Scan# 806
Delta R.T. -0.03 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Tgt Ion:284 Resp: 68286
Ion Ratio Lower Upper
284 100
142 49.4 35.8 53.8
249 36.0 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

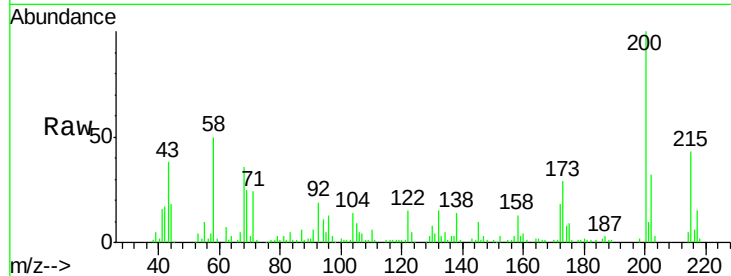




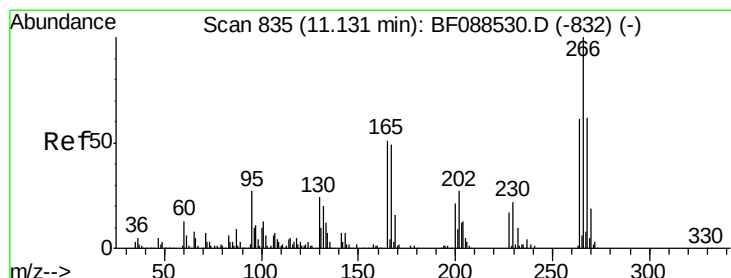
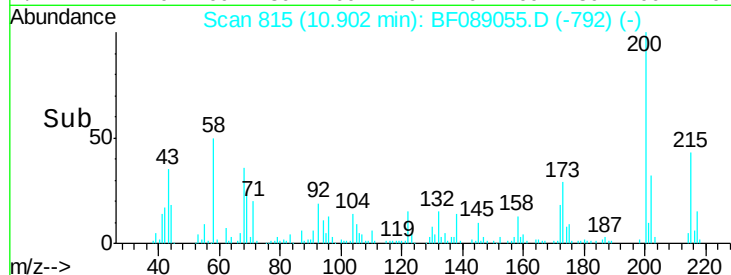
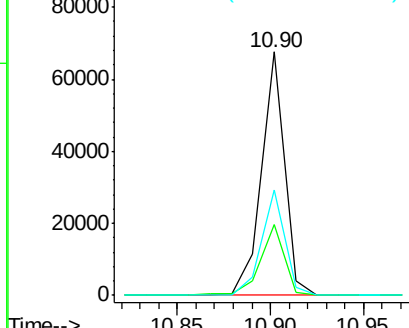
#68
Atrazine
Concen: 36.84 ng
RT: 10.90 min Scan# 815
Delta R.T. -0.03 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
200	100		
173	28.9	4.0	44.0
215	43.2	29.3	69.3

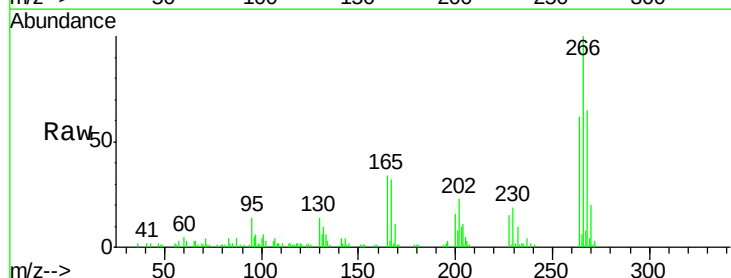


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

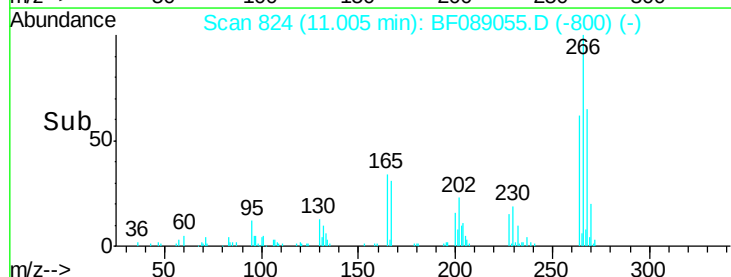
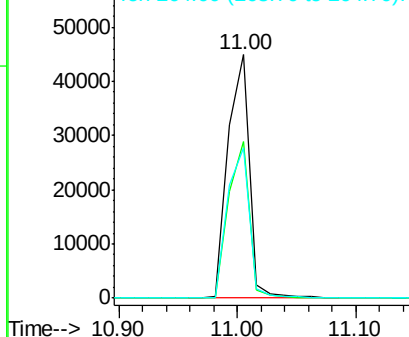


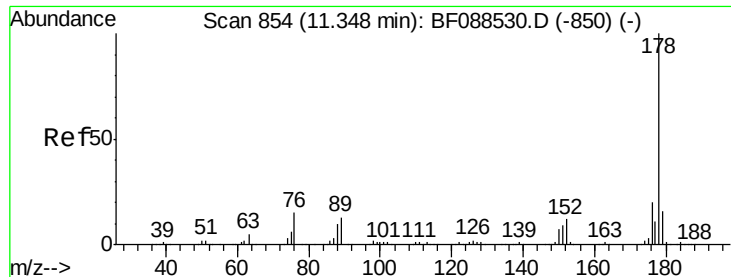
#69
Pentachlorophenol
Concen: 57.59 ng
RT: 11.00 min Scan# 824
Delta R.T. -0.02 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.5	52.8	79.2
264	61.7	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

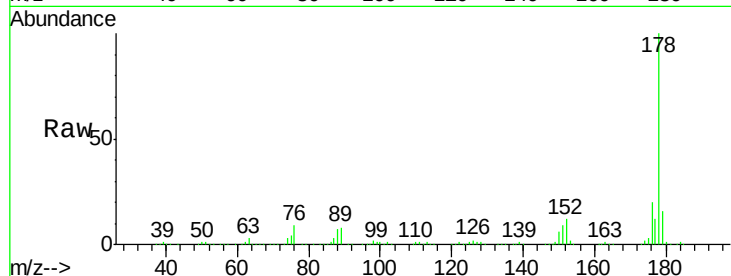




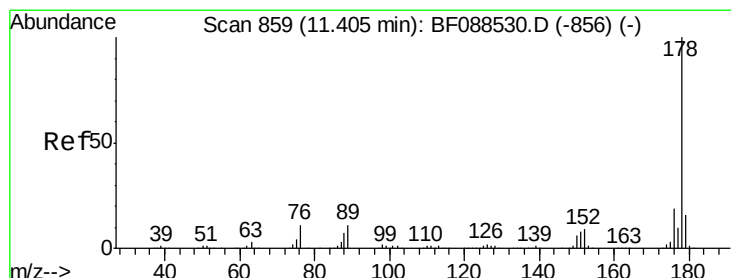
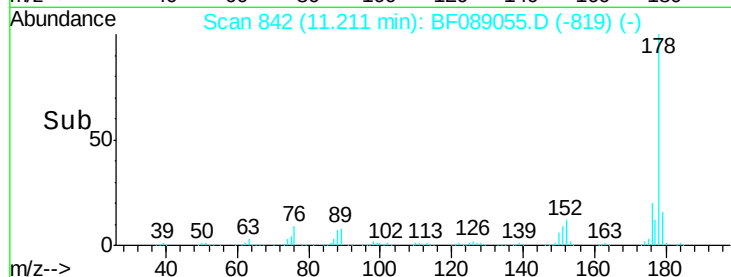
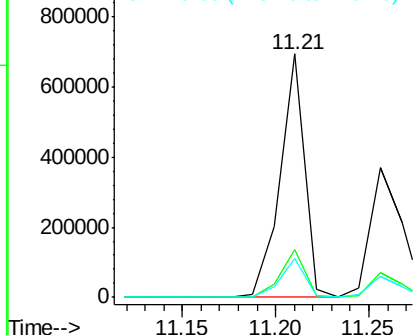
#70
Phenanthrene
Concen: 78.75 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.03 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 635248
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 15.7 13.0 19.4

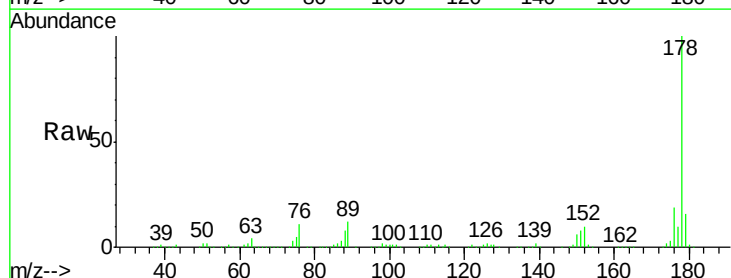


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

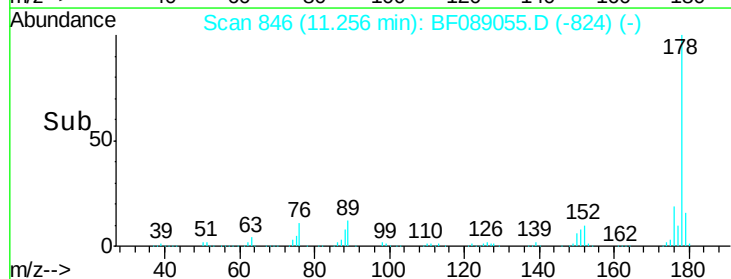
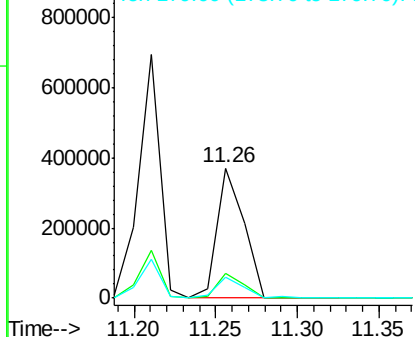


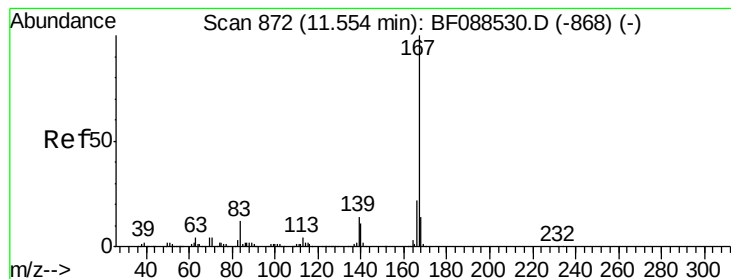
#71
Anthracene
Concen: 52.47 ng
RT: 11.26 min Scan# 846
Delta R.T. -0.05 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Tgt Ion:178 Resp: 420906
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 16.0 12.8 19.2



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





#72

Carbazole

Concen: 45.19 ng

RT: 11.42 min Scan# 860

Delta R.T. -0.03 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

Instrument :

BNA_F

ClientSampleId :

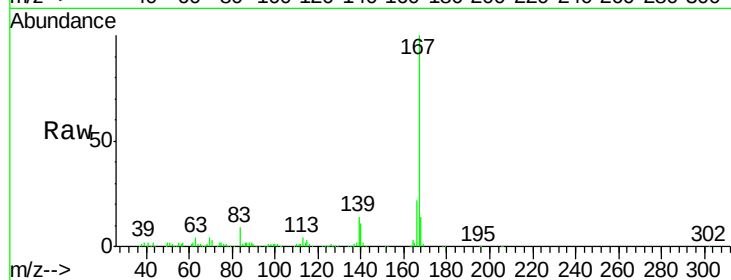
Tot Ion:167 Resp: 341137

Ion Ratio Lower Upper

167 100

166 21.9 17.8 26.6

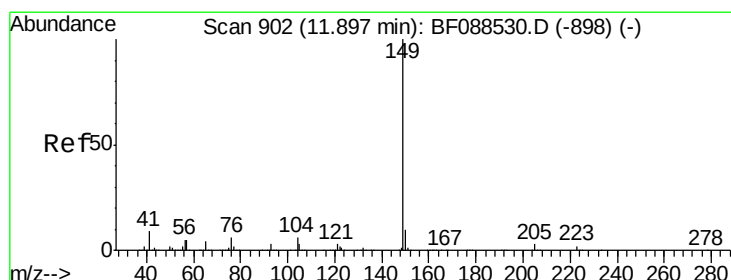
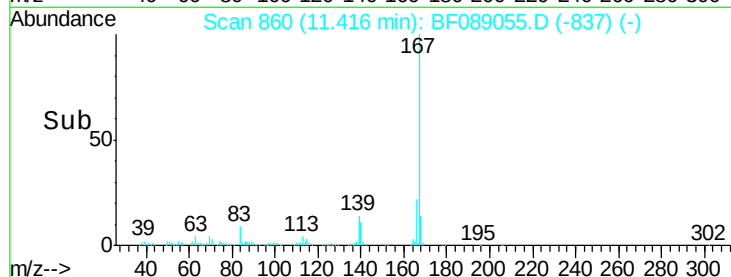
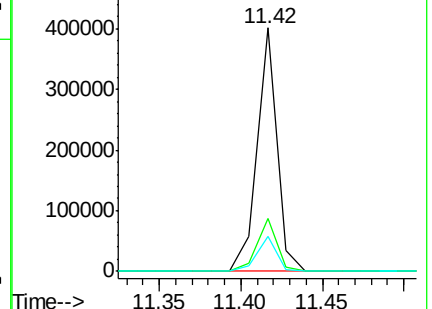
139 14.4 11.2 16.8



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: 56.68 ng

RT: 11.76 min Scan# 890

Delta R.T. -0.03 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

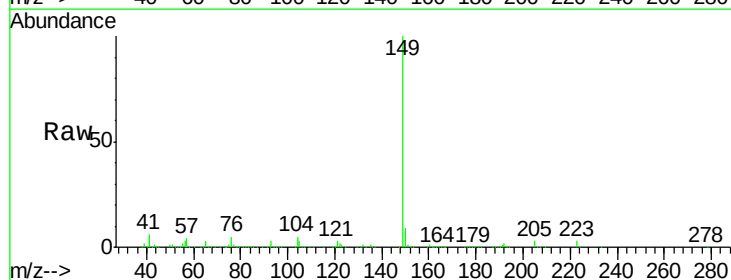
Tgt Ion:149 Resp: 497755

Ion Ratio Lower Upper

149 100

150 9.1 7.8 11.6

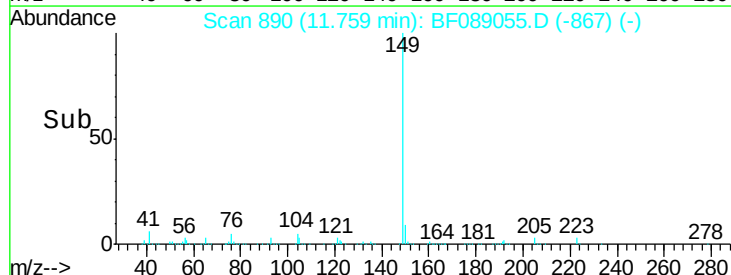
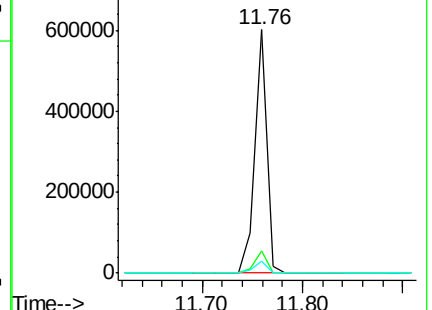
104 5.1 4.0 6.0

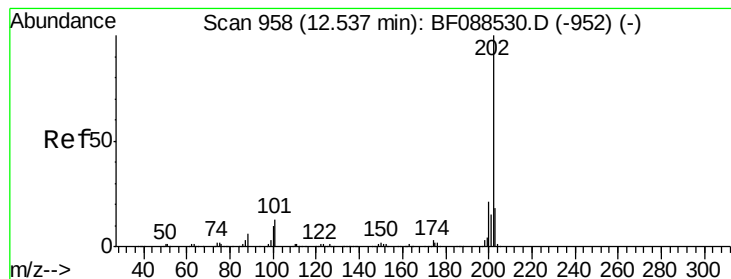


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

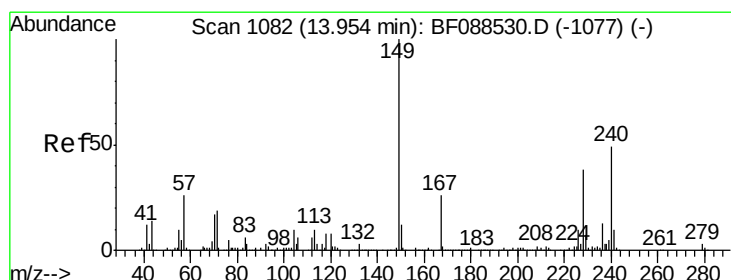
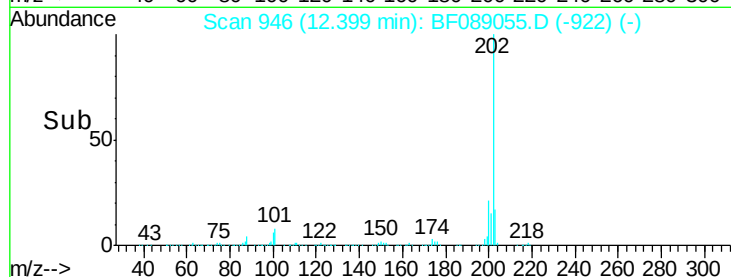
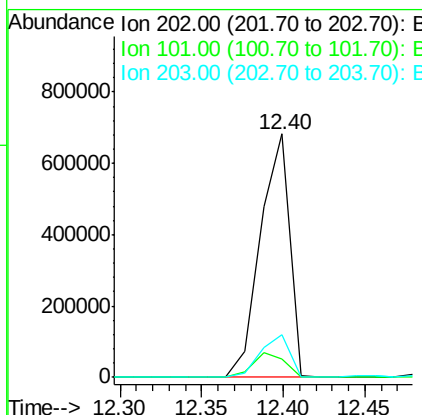
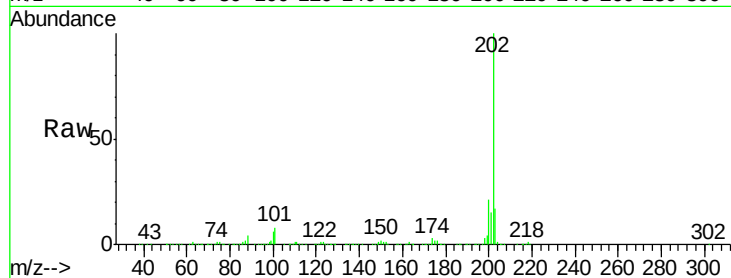




#74
 Fluoranthene
 Concen: 103.37 ng
 RT: 12.40 min Scan# 946
 Delta R.T. -0.02 min
 Lab File: BF089055.D
 Acq: 16 Jul 2016 15:09

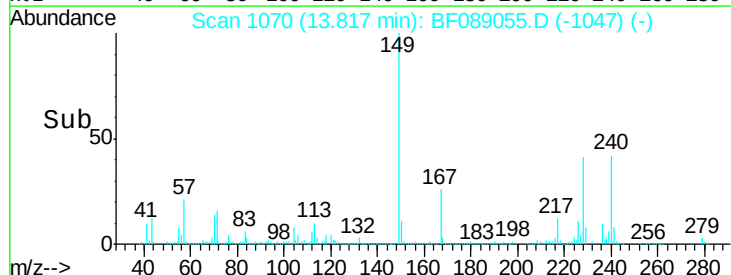
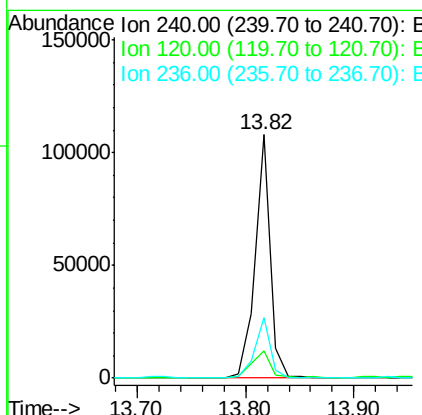
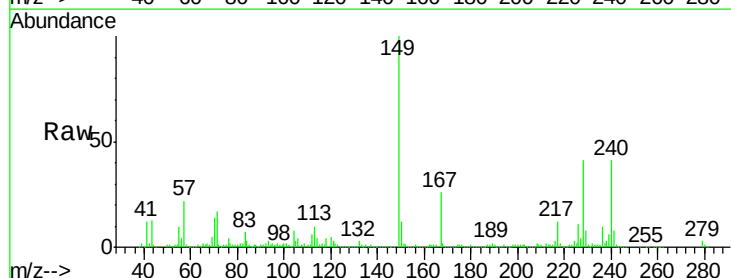
Instrument :
 BNA_F
 ClientSampleId :

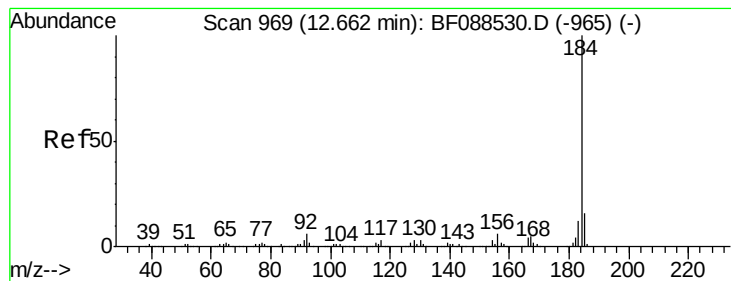
Tot Ion	Ratio	Lower	Upper
202	100		
101	7.8	0.0	33.1
203	17.5	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.82 min Scan# 1070
 Delta R.T. -0.03 min
 Lab File: BF089055.D
 Acq: 16 Jul 2016 15:09

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.2	6.8	10.2#
236	25.1	20.2	30.2





#76

Benzidine

Concen: 2.75 ng

RT: 12.51 min Scan# 956

Delta R.T. -0.03 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

Instrument :

BNA_F

ClientSampleId :

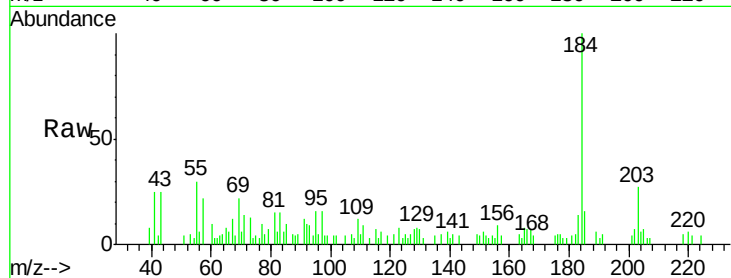
Tot Ion:184 Resp: 14765

Ion Ratio Lower Upper

184 100

185 15.7 12.5 18.7

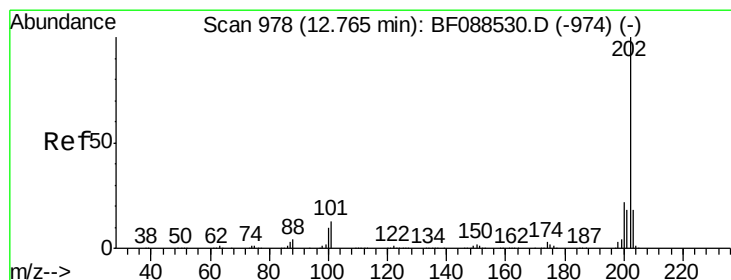
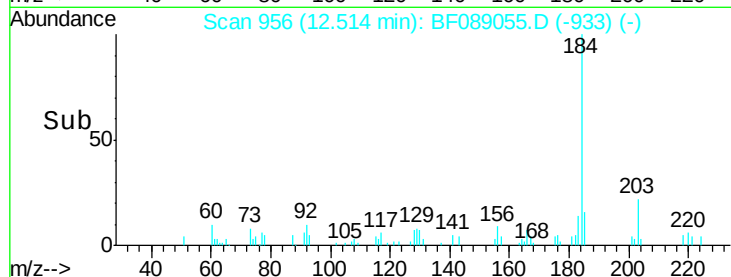
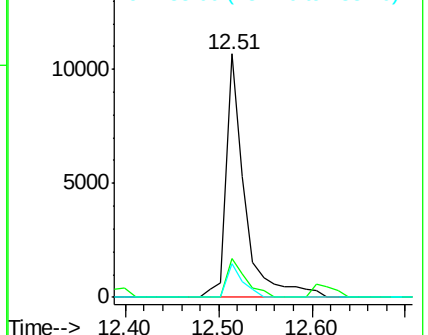
183 14.0 9.3 13.9#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 79.38 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.03 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

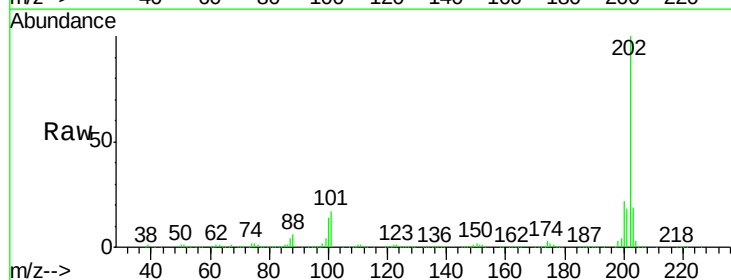
Tgt Ion:202 Resp: 713688

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

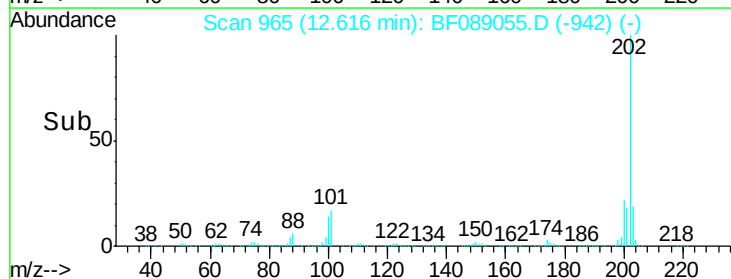
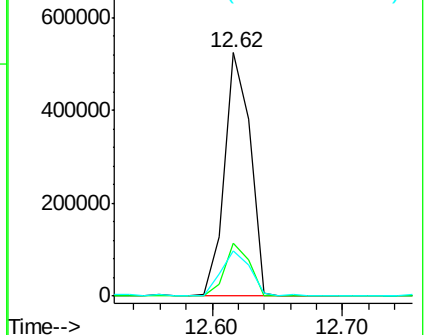
203 18.8 14.5 21.7

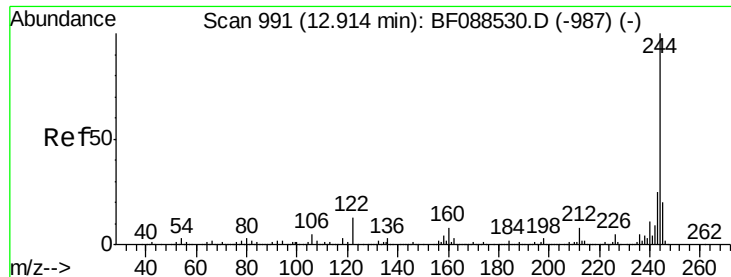


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

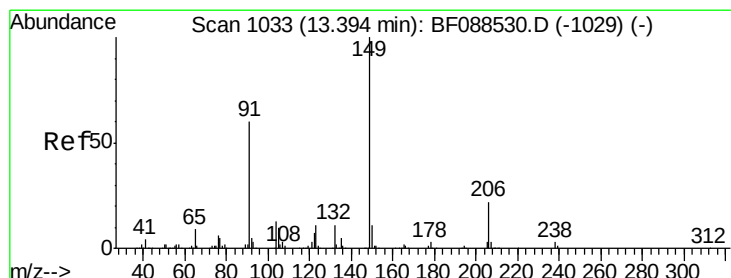
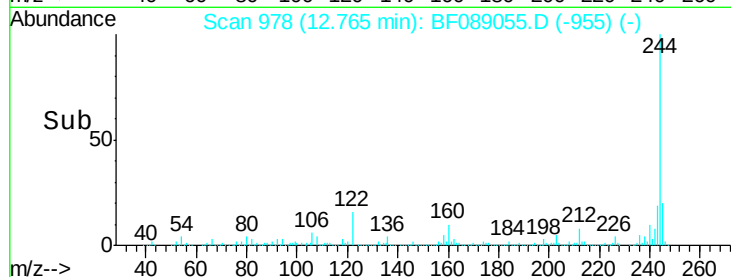
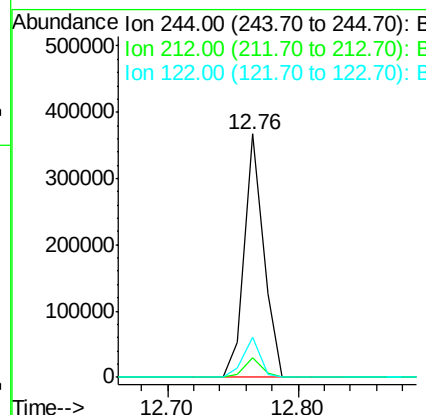
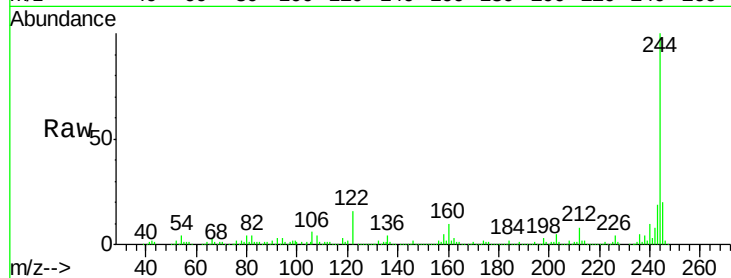




#78
 Terphenyl-d14
 Concen: 79.09 ng
 RT: 12.76 min Scan# 978
 Delta R.T. -0.03 min
 Lab File: BF089055.D
 Acq: 16 Jul 2016 15:09

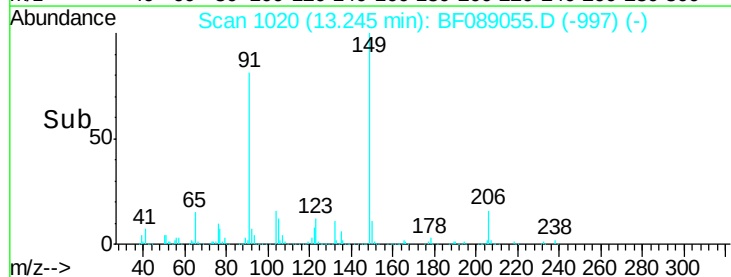
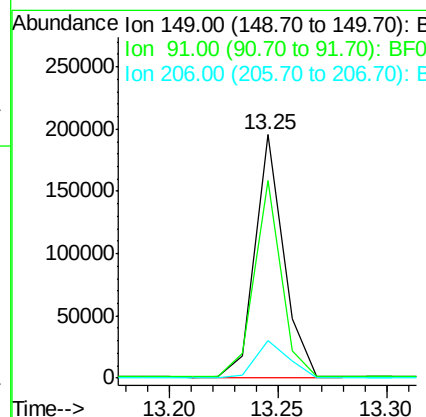
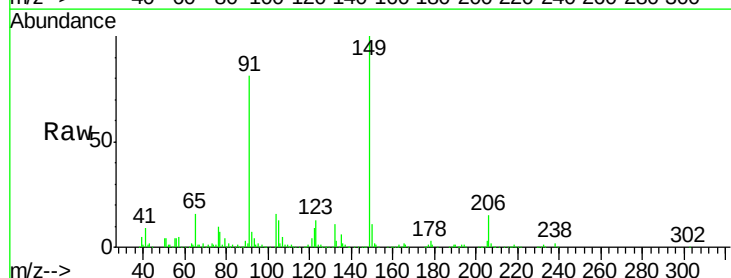
Instrument :
 BNA_F
 ClientSampleId :

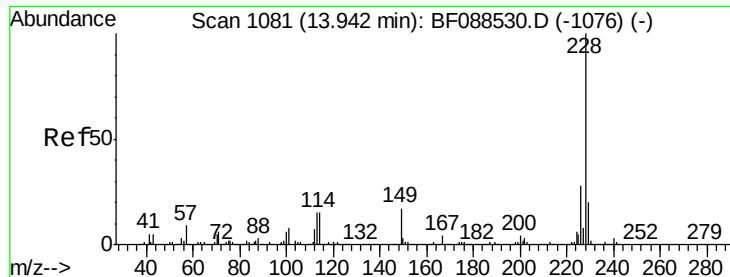
Tot Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.0	9.0
122	16.5	11.2	16.8



#79
 Butylbenzylphthalate
 Concen: 44.35 ng
 RT: 13.25 min Scan# 1020
 Delta R.T. -0.03 min
 Lab File: BF089055.D
 Acq: 16 Jul 2016 15:09

Tgt Ion	Ratio	Lower	Upper
149	100		
91	80.9	48.0	72.0#
206	15.5	16.0	24.0#





#80

Benzo(a)anthracene

Concen: 76.98 ng

RT: 13.81 min Scan# 1069

Delta R.T. -0.03 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

Instrument :

BNA_F

ClientSampleId :

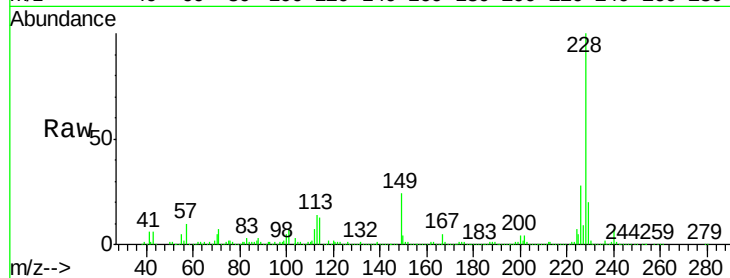
Tot Ion:228 Resp: 525616

Ion Ratio Lower Upper

228 100

226 27.7 22.3 33.5

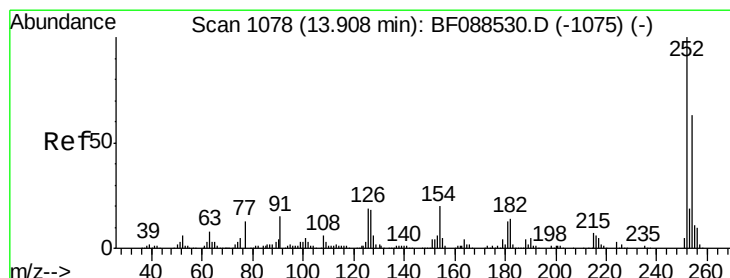
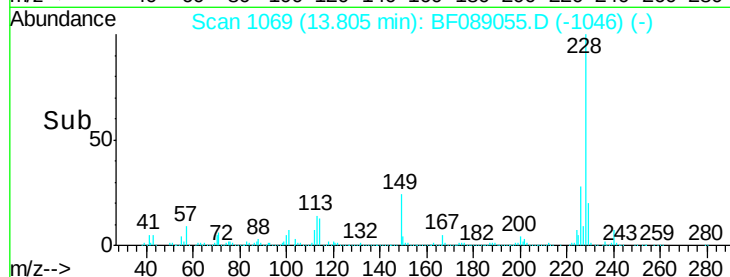
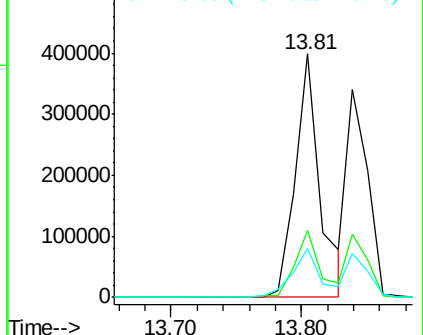
229 20.0 16.0 24.0



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: 26.72 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.03 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

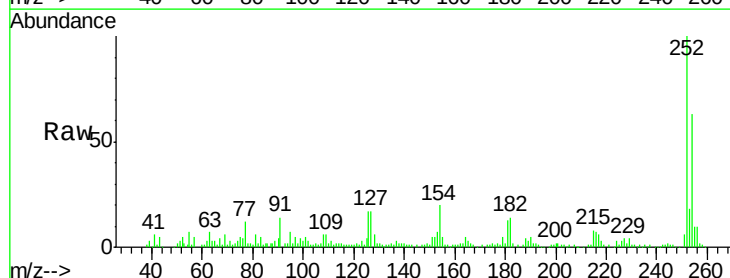
Tgt Ion:252 Resp: 68599

Ion Ratio Lower Upper

252 100

254 62.9 52.6 78.8

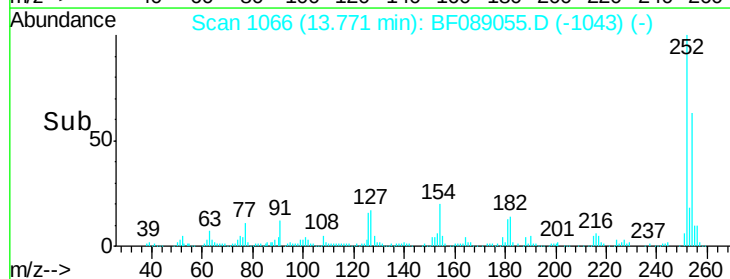
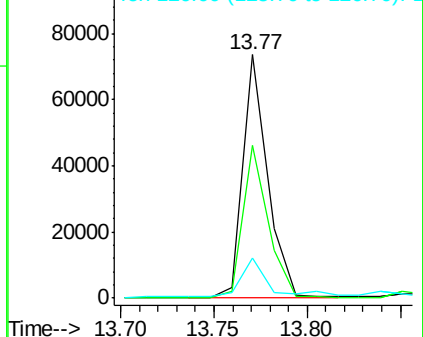
126 16.6 6.2 9.2#

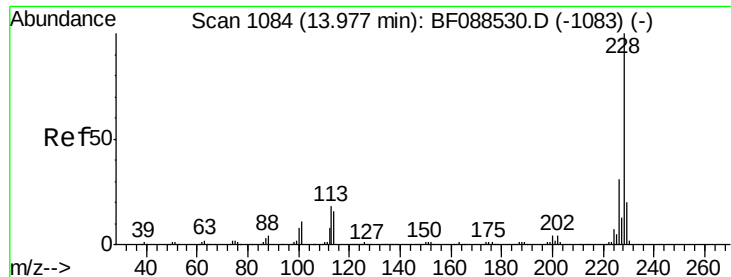


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 56.43 ng

RT: 13.84 min Scan# 1072

Delta R.T. -0.03 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

Instrument :

BNA_F

ClientSampled :

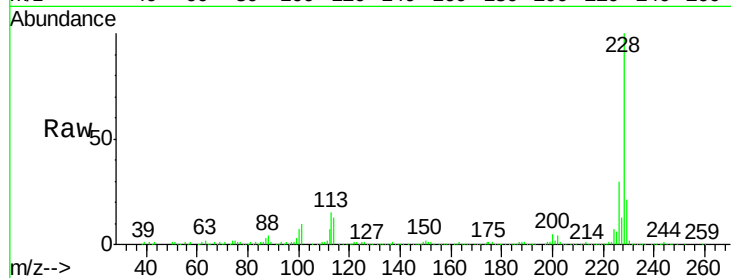
Tot Ion:228 Resp: 381209

Ion Ratio Lower Upper

228 100

226 30.2 25.4 38.2

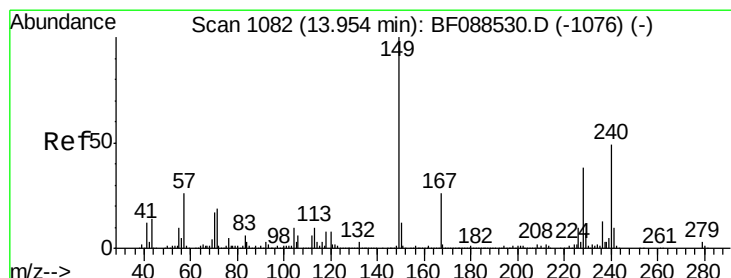
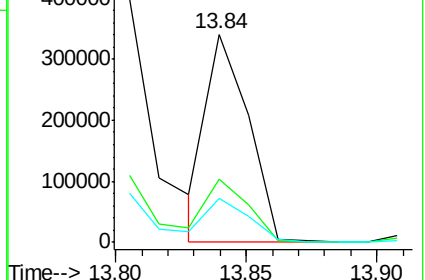
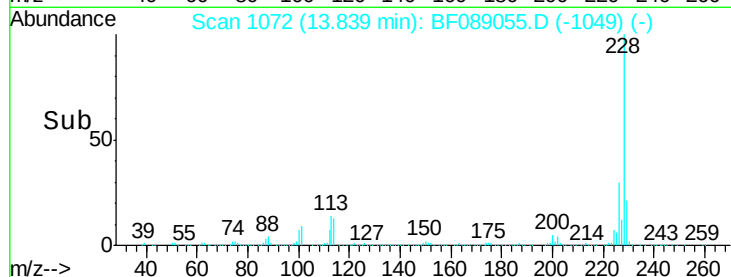
229 21.1 16.3 24.5



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: 55.17 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.02 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

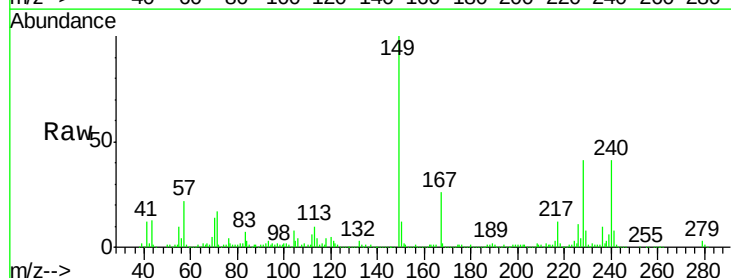
Tgt Ion:149 Resp: 252590

Ion Ratio Lower Upper

149 100

167 25.8 20.5 30.7

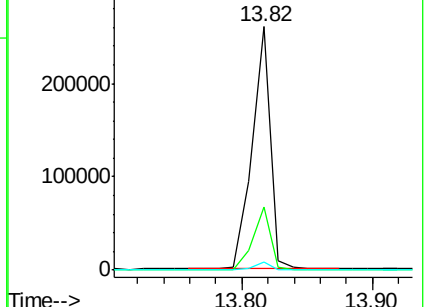
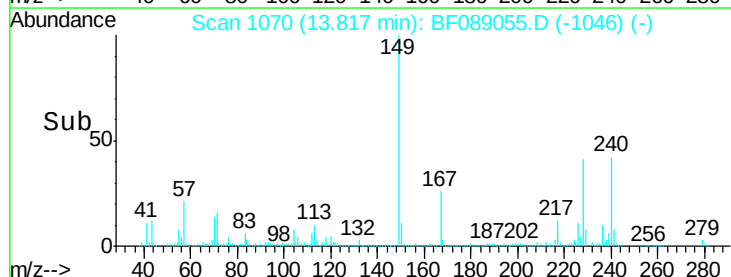
279 3.1 2.0 3.0#

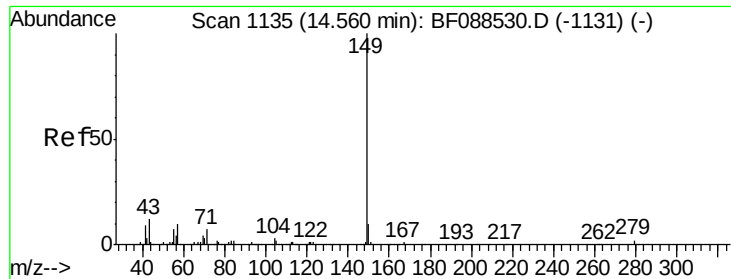


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

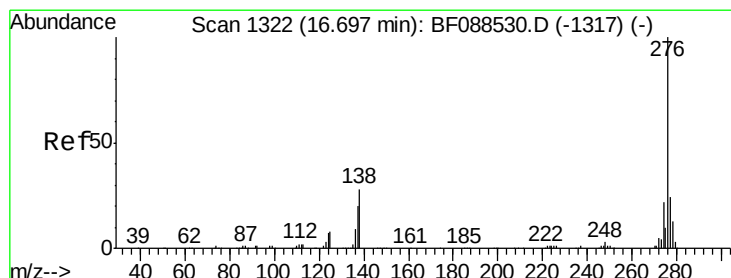
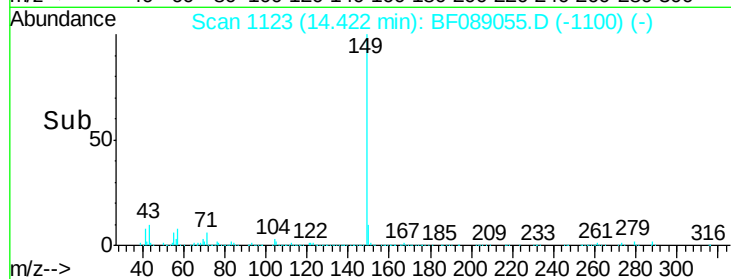
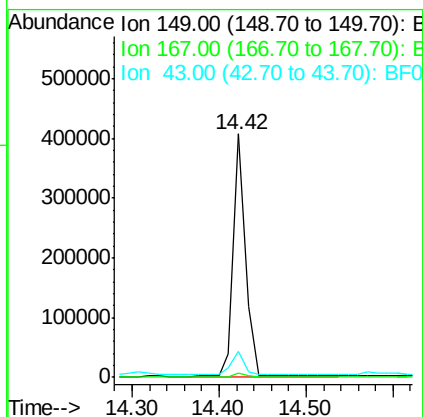
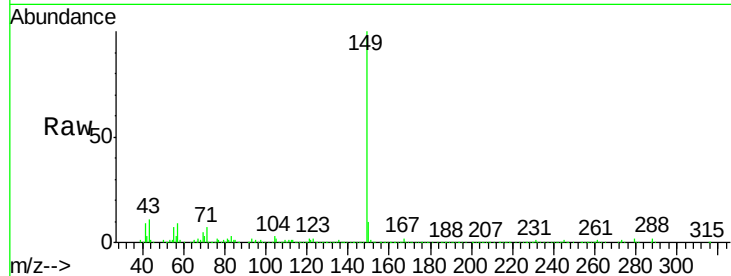




#84
Di-n-octyl phthalate
Concen: 50.09 ng
RT: 14.42 min Scan# 1123
Delta R.T. -0.03 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

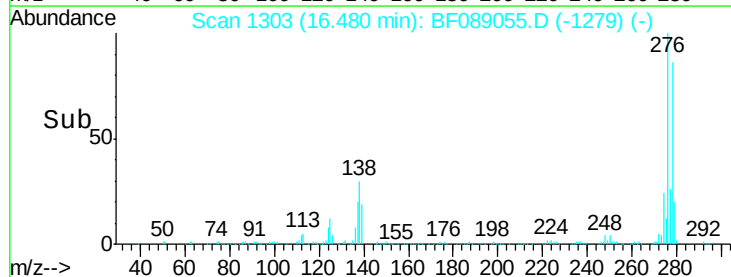
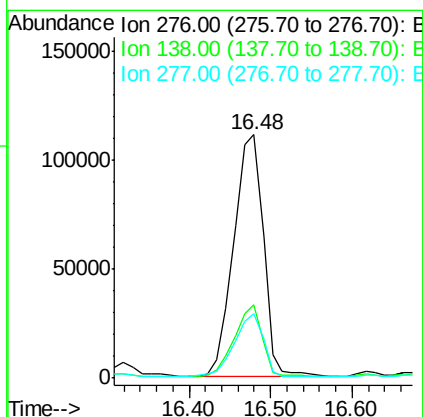
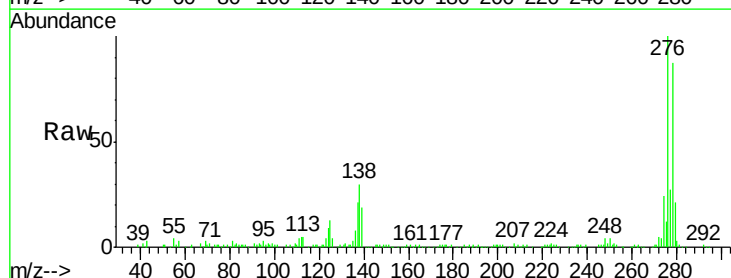
Instrument :
BNA_F
ClientSampleId :

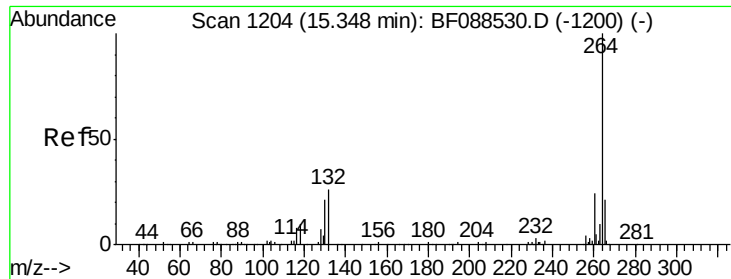
Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	0.0	0.0#
43	10.2	0.0	0.0#



#85
Indeno(1,2,3-cd)pyrene
Concen: 54.26 ng
RT: 16.48 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.0	0.0	0.0#
277	26.0	0.0	0.0#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.19 min Scan# 1190

Delta R.T. -0.02 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

Instrument :

BNA_F

ClientSampleId :

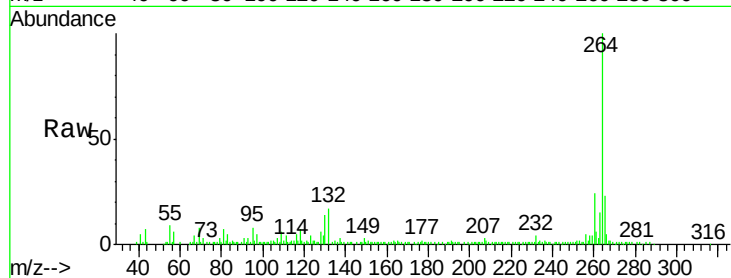
Tot Ion:264 Resp: 86545

Ion Ratio Lower Upper

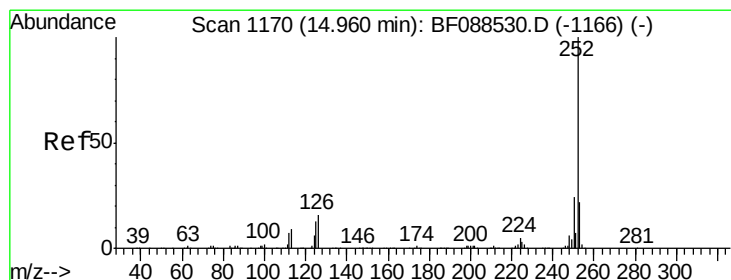
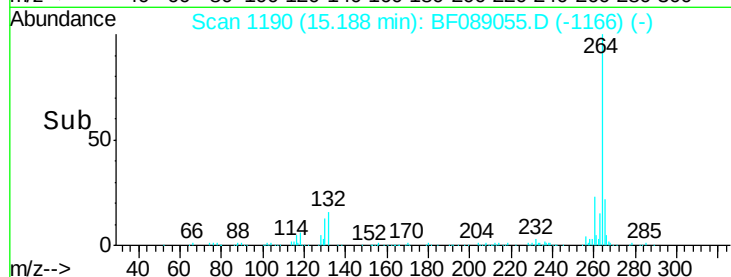
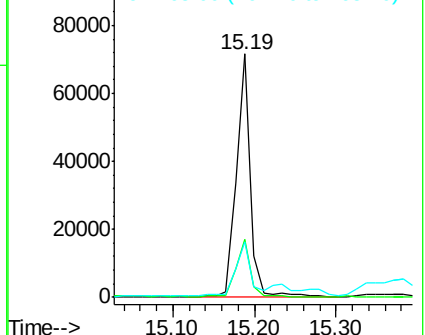
264 100

260 23.8 19.2 28.8

265 22.8 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: 136.43 ng

RT: 14.81 min Scan# 1157

Delta R.T. -0.02 min

Lab File: BF089055.D

Acq: 16 Jul 2016 15:09

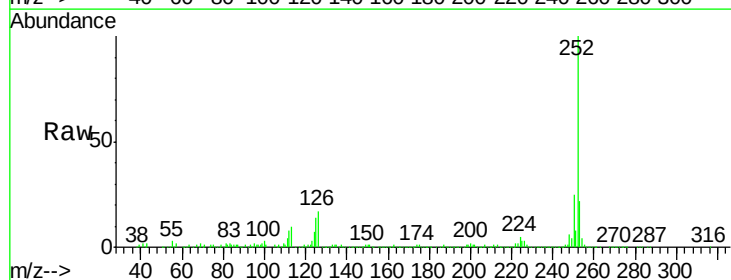
Tgt Ion:252 Resp: 740674

Ion Ratio Lower Upper

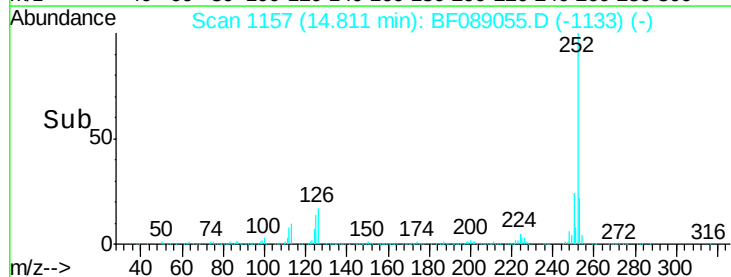
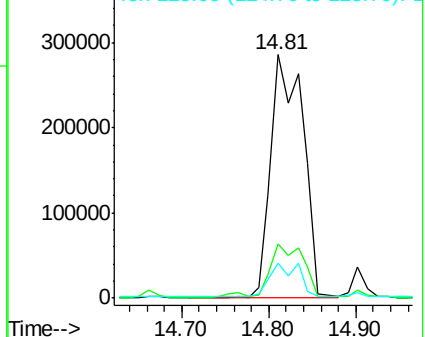
252 100

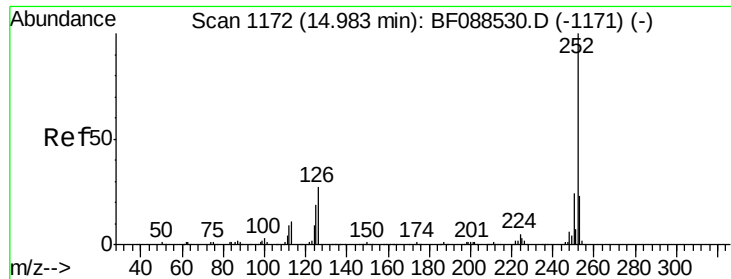
253 22.5 17.4 26.2

125 14.1 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

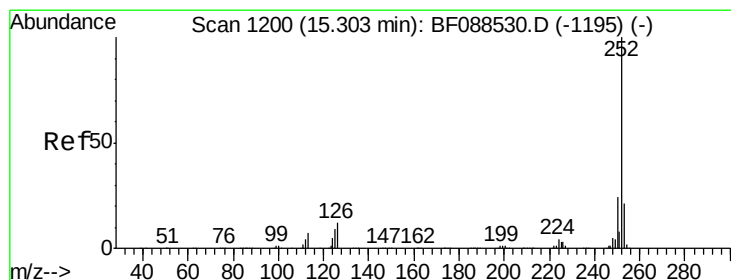
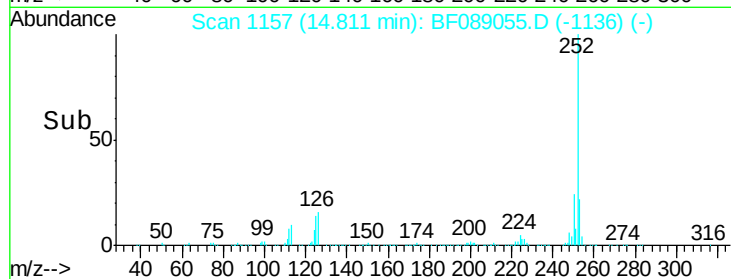
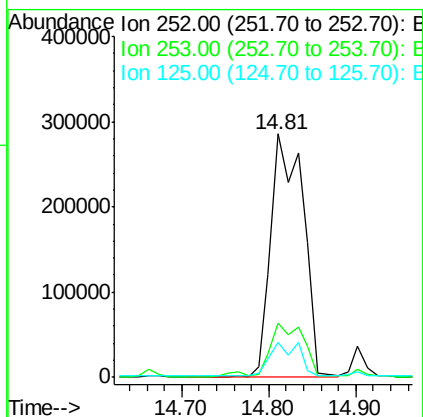
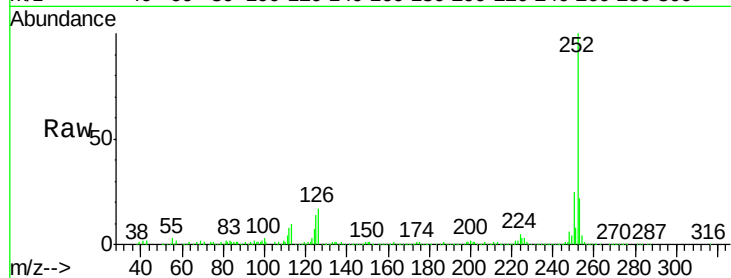




#88
Benzo(k)fluoranthene
Concen: 156.72 ng
RT: 14.81 min Scan# 1157
Delta R.T. -0.06 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

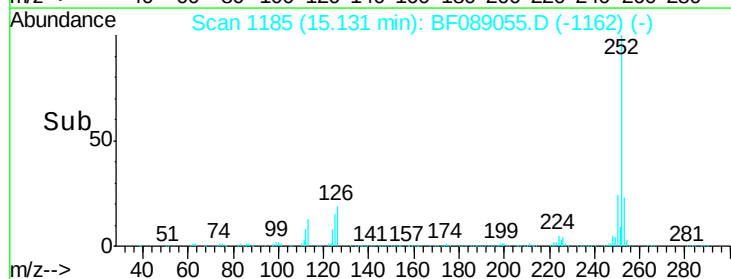
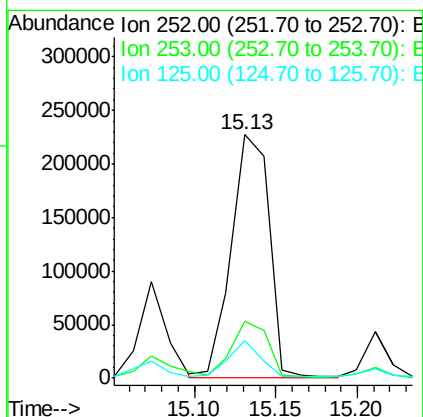
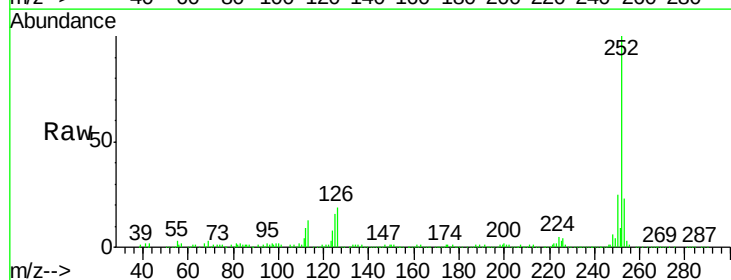
Instrument :
BNA_F
ClientSampleId :

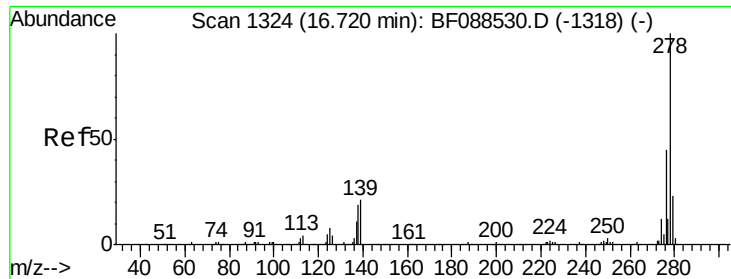
Tot Ion:252 Resp: 740674
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 14.1 11.2 16.8



#89
Benzo(a)pyrene
Concen: 78.58 ng
RT: 15.13 min Scan# 1185
Delta R.T. -0.03 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Tgt Ion:252 Resp: 361182
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 15.6 12.5 18.7

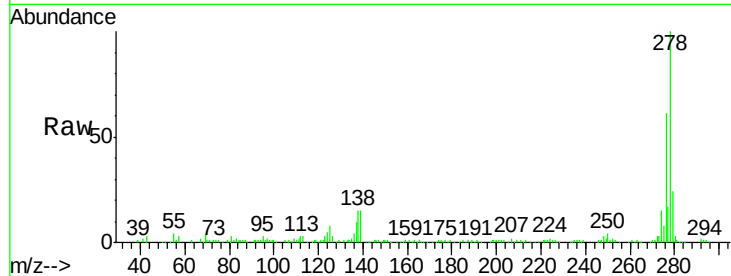




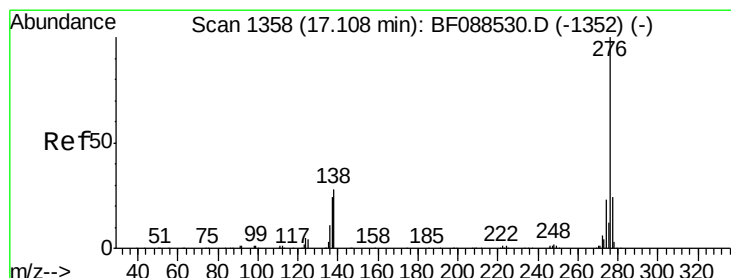
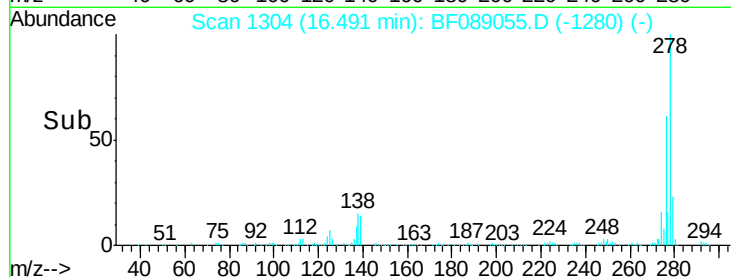
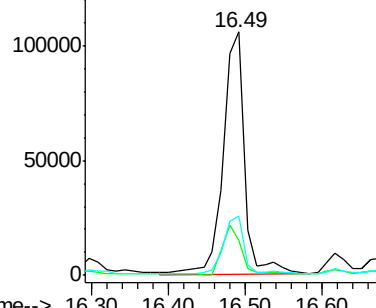
#90
Dibenzo(a,h)anthracene
Concen: 52.88 ng
RT: 16.49 min Scan# 1304
Delta R.T. -0.02 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.5	15.7	23.5#
279	24.3	19.4	29.2

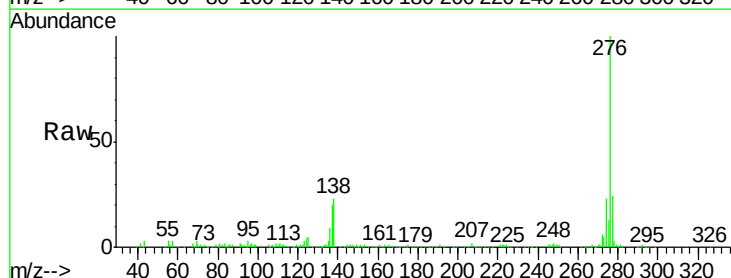


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 59.34 ng
RT: 16.87 min Scan# 1337
Delta R.T. -0.02 min
Lab File: BF089055.D
Acq: 16 Jul 2016 15:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.9	28.3
138	22.6	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

