

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022315\
 Data File : BF077400.D
 Acq On : 23 Feb 2015 12:47
 Operator : TP/IZ
 Sample : G1332-04MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HF-1MSD

Quant Time: Feb 24 00:26:58 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 23 23:58:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	77510	20.00	ng	0.00
21) Naphthalene-d8	8.91	136	316134	20.00	ng	0.00
38) Acenaphthene-d10	11.08	164	171596	20.00	ng	-0.01
63) Phenanthrene-d10	12.93	188	349904	20.00	ng	0.00
75) Chrysene-d12	16.23	240	367194	20.00	ng	-0.03
86) Perylene-d12	17.99	264	362012	20.00	ng	-0.11

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	463992	99.94	ng	0.00
7) Phenol-d6	6.88	99	585916	98.15	ng	-0.01
23) Nitrobenzene-d5	8.02	82	349520	68.75	ng	-0.01
41) 2,4,6-Tribromophenol	12.07	330	182027	110.17	ng	0.00
44) 2-Fluorobiphenyl	10.26	172	804823	73.13	ng	0.00
78) Terphenyl-d14	14.92	244	1021973	65.07	ng	-0.01

Target Compounds						Qvalue
2) 1,4-Dioxane	2.30	88	49200	24.97	ng	99
3) Pyridine	3.06	79	124914	22.16	ng	98
4) n-Nitrosodimethylamine	2.97	42	69594	28.40	ng	99
6) Aniline	6.91	93	86216	10.45	ng	91
8) 2-Chlorophenol	7.06	128	175458	32.03	ng	92
10) Phenol	6.90	94	215774	30.46	ng	95
11) bis(2-Chloroethyl)ether	7.01	93	153687	30.20	ng	89
12) 1,3-Dichlorobenzene	7.25	146	179376	30.08	ng	95
13) 1,4-Dichlorobenzene	7.36	146	184929	30.48	ng	97
14) 1,2-Dichlorobenzene	7.54	146	176372	30.56	ng	96
15) Benzyl Alcohol	7.50	79	135898	29.95	ng	95
16) 2,2'-oxybis(1-Chloropropan	7.69	45	230108	31.63	ng	97
17) 2-Methylphenol	7.64	107	135514	31.65	ng	95
18) Hexachloroethane	7.95	117	60936	30.07	ng	# 78
19) n-Nitroso-di-n-propylamine	7.84	70	117717	31.05	ng	93
20) 3+4-Methylphenols	7.84	107	178334	31.63	ng	# 70
22) Acetophenone	7.84	105	237224	31.90	ng	# 92
24) Nitrobenzene	8.04	77	177509	33.19	ng	87
25) Isophorone	8.34	82	323144	32.04	ng	95
26) 2-Nitrophenol	8.44	139	70714	32.26	ng	# 87
27) 2,4-Dimethylphenol	8.50	122	150668	30.72	ng	96
28) bis(2-Chloroethoxy)methane	8.62	93	200008	31.39	ng	99
29) 2,4-Dichlorophenol	8.73	162	153547	33.35	ng	92
30) 1,2,4-Trichlorobenzene	8.84	180	157487	31.11	ng	96
31) Naphthalene	8.93	128	531545	33.62	ng	99
33) 4-Chloroaniline	9.00	127	69502	9.89	ng	# 93
34) Hexachlorobutadiene	9.09	225	92799	32.11	ng	98
35) Caprolactam	9.41	113	46155	32.84	ng	95
36) 4-Chloro-3-methylphenol	9.61	107	160140	34.60	ng	95
37) 2-Methylnaphthalene	9.79	142	360541	32.11	ng	97
39) 1,2,4,5-Tetrachlorobenzene	10.00	216	160325	32.56	ng	98
40) Hexachlorocyclopentadiene	9.98	237	152682	57.83	ng	98
42) 2,4,6-Trichlorophenol	10.14	196	114818	35.21	ng	98
43) 2,4,5-Trichlorophenol	10.18	196	115694	33.18	ng	# 83

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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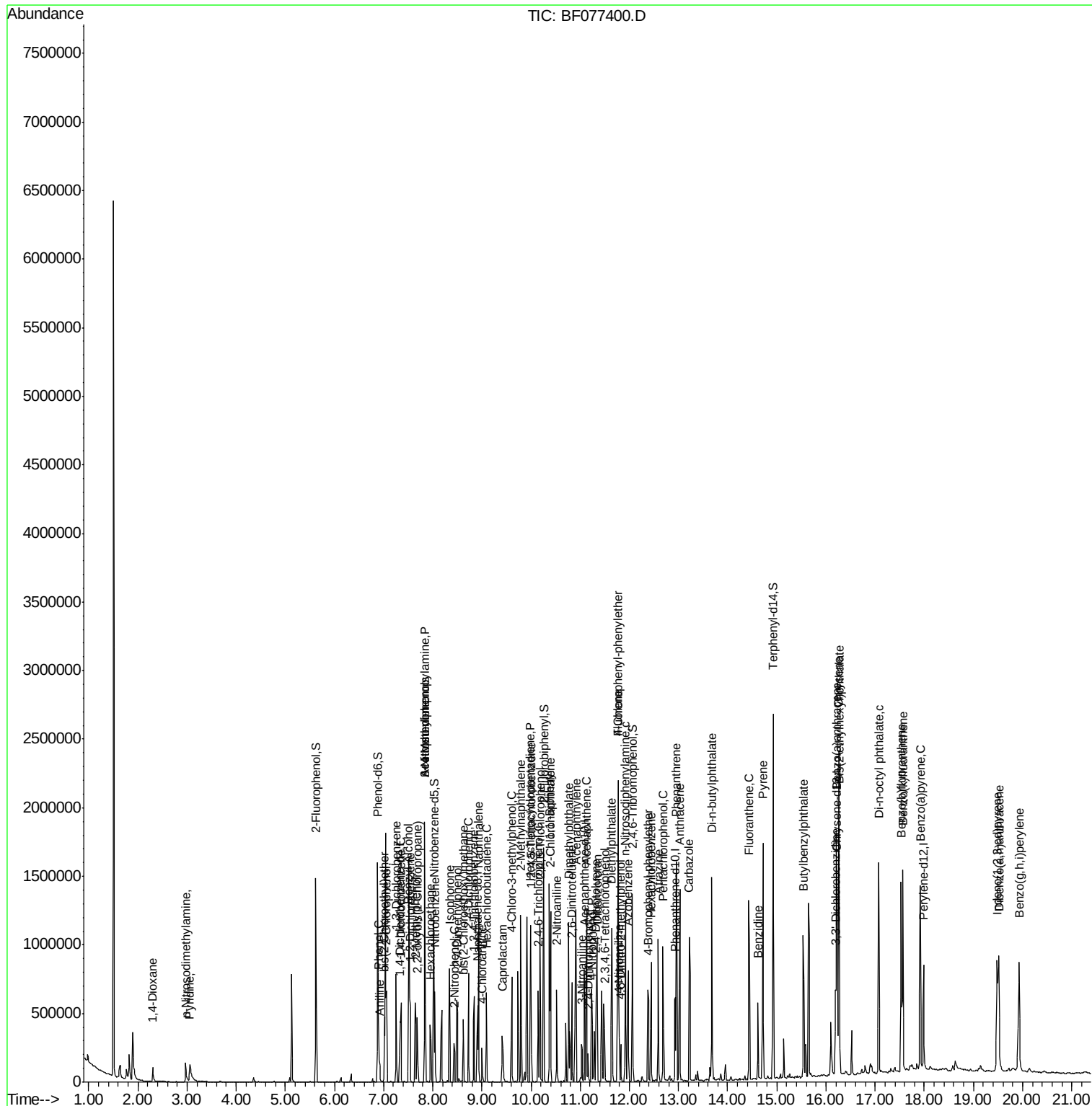
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1'-Biphenyl	10.37	154	443755	34.13	nq	97
46) 2-Chloronaphthalene	10.40	162	357017	35.02	nq	97
47) 2-Nitroaniline	10.52	65	99400	39.61	nq	# 86
48) Acenaphthylene	10.91	152	577008	35.75	nq	99
49) Dimethylphthalate	10.76	163	483226	40.06	nq	98
50) 2,6-Dinitrotoluene	10.83	165	89891	37.16	nq	# 66
51) Acenaphthene	11.13	154	335842	34.87	nq	99
52) 3-Nitroaniline	11.04	138	57688	20.69	nq	# 78
53) 2,4-Dinitrophenol	11.16	184	25451	34.58	nq	# 75
54) Dibenzofuran	11.34	168	523133	35.18	nq	94
55) 4-Nitrophenol	11.24	139	146430	65.28	nq	96
56) 2,4-Dinitrotoluene	11.32	165	116952	35.78	nq	# 70
57) Fluorene	11.77	166	431122	36.26	nq	99
58) 2,3,4,6-Tetrachlorophenol	11.49	232	95356	34.02	nq	97
59) Diethylphthalate	11.64	149	432788	36.39	nq	96
60) 4-Chlorophenyl-phenylether	11.77	204	195828	34.18	nq	# 86
61) 4-Nitroaniline	11.79	138	86583	32.39	nq	84
62) Azobenzene	11.97	77	417372	36.99	nq	90
64) 4,6-Dinitro-2-methylphenol	11.82	198	35779	27.36	nq	# 66
65) n-Nitrosodiphenylamine	11.92	169	358987	30.92	nq	100
66) 4-Bromophenyl-phenylether	12.39	248	129387	31.58	nq	# 90
67) Hexachlorobenzene	12.44	284	133010	30.24	nq	# 88
68) Atrazine	12.59	200	121614	32.22	nq	96
69) Pentachlorophenol	12.68	266	126427	54.70	nq	99
70) Phenanthrene	12.96	178	635954	31.36	nq	99
71) Anthracene	13.03	178	653540	32.47	nq	99
72) Carbazole	13.22	167	596315	31.16	nq	98
73) Di-n-butylphthalate	13.68	149	760689	33.85	nq	98
74) Fluoranthene	14.43	202	748936	33.81	nq	96
76) Benzidine	14.61	184	214142	17.26	nq	97
77) Pyrene	14.72	202	758689	33.78	nq	100
79) Butylbenzylphthalate	15.54	149	328311	35.53	nq	# 85
80) Benzo(a)anthracene	16.21	228	703655	32.70	nq	99
81) 3,3'-Dichlorobenzidine	16.19	252	159049	20.17	nq	99
82) Chrysene	16.26	228	654457	32.39	nq	99
83) Bis(2-ethylhexyl)phthalate	16.27	149	531876	35.89	nq	98
84) Di-n-octyl phthalate	17.07	149	845942	34.19	nq	99
85) Indeno(1,2,3-cd)pyrene	19.48	276	763962m	33.16	nq	
87) Benzo(b)fluoranthene	17.53	252	802101	38.10	nq	# 98
88) Benzo(k)fluoranthene	17.56	252	553347	26.82	nq	98
89) Benzo(a)pyrene	17.92	252	652952	32.57	nq	99
90) Dibenzo(a,h)anthracene	19.52	278	609383	31.87	nq	98
91) Benzo(g,h,i)perylene	19.93	276	633700	32.84	nq	96

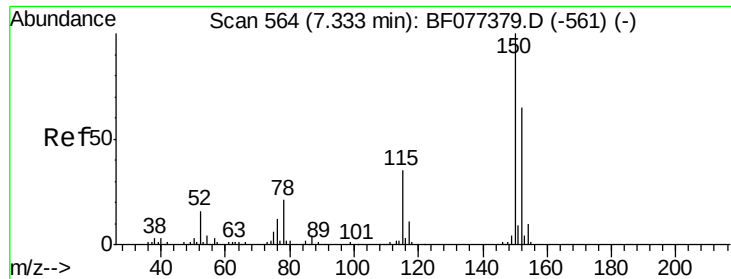
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF077400.D  
Acq On    : 23 Feb 2015  12:47  
Operator  : TP/IZ  
Sample    : G1332-04MSD  
Misc      :  
ALS Vial  : 6      Sample Multiplier: 1
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Instrument :
BNA_F
ClientSampleId :
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Quant Time: Feb 24 00:26:58 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.33 min Scan# 564

Delta R.T. -0.00 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

Instrument :

BNA_F

ClientSampleId :

HF-1MSD

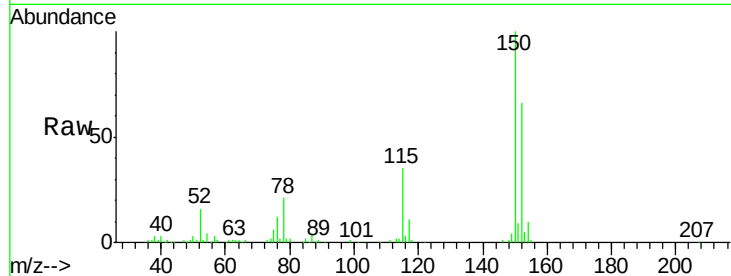
Tot Ion:152 Resp: 77510

Ion Ratio Lower Upper

152 100

150 151.4 124.0 186.0

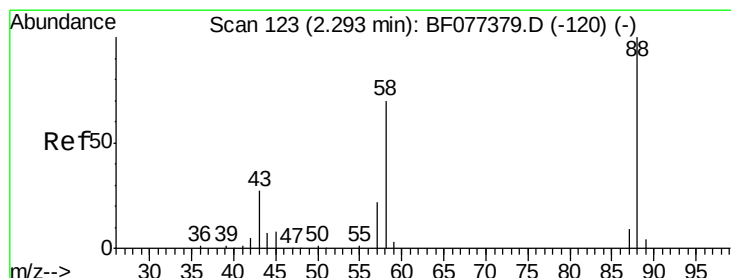
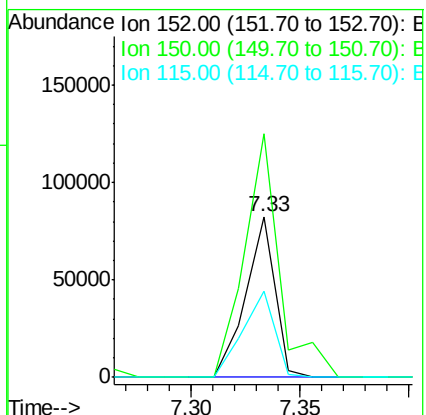
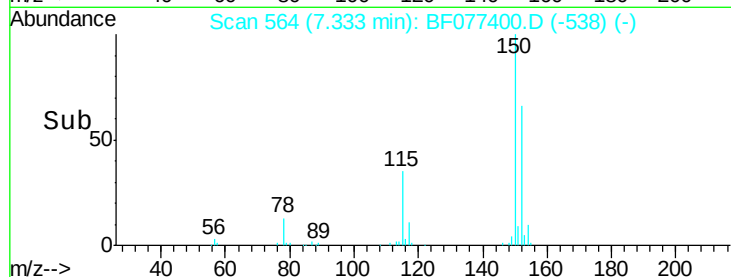
115 53.3 49.4 74.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 24.97 ng

RT: 2.30 min Scan# 124

Delta R.T. 0.01 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

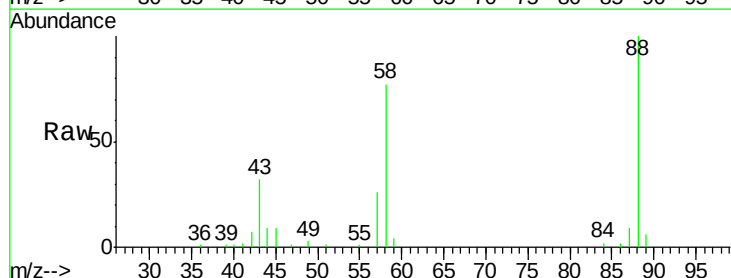
Tgt Ion: 88 Resp: 49200

Ion Ratio Lower Upper

88 100

58 76.8 62.1 93.1

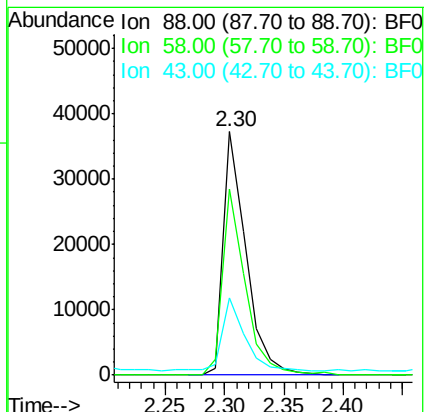
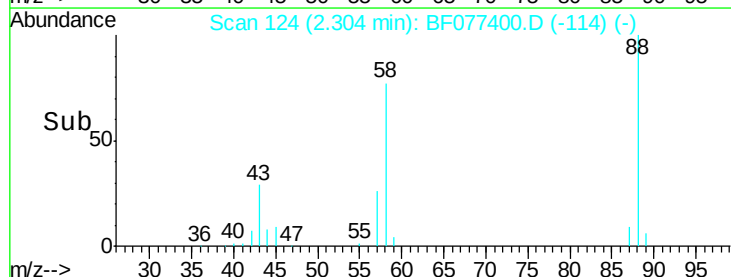
43 29.0 24.0 36.0

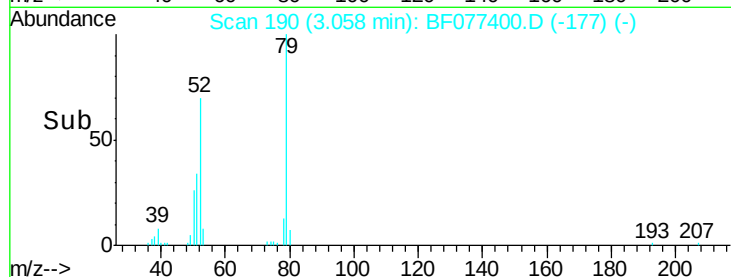
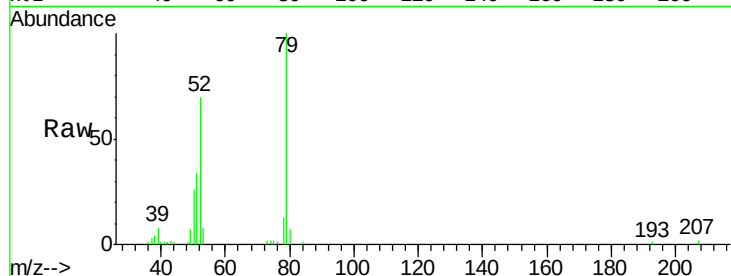
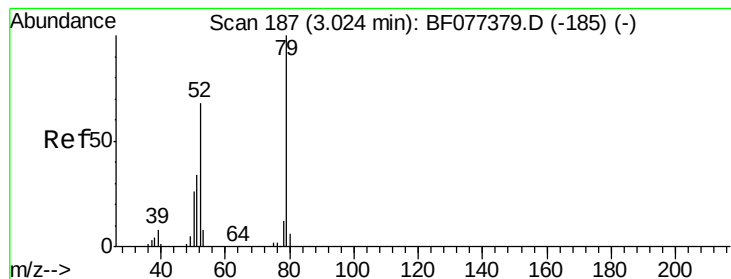


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 22.16 ng

RT: 3.06 min Scan# 190

Delta R.T. 0.05 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

Instrument :

BNA_F

ClientSampleId :

HF-1MSD

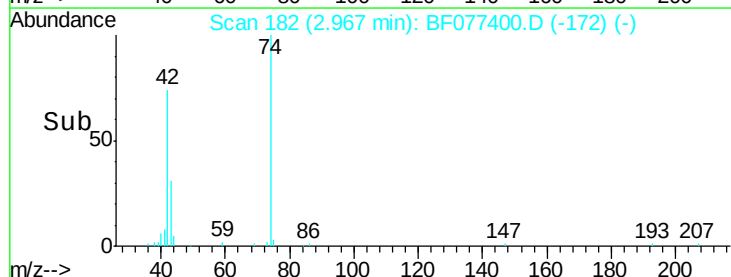
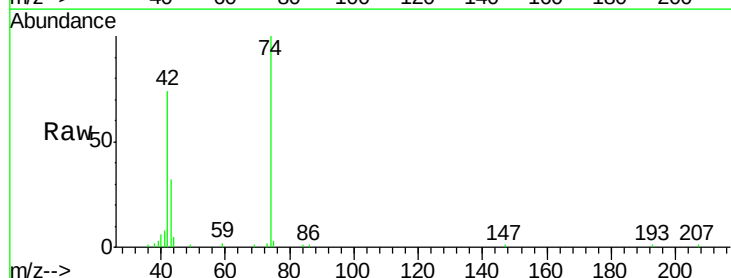
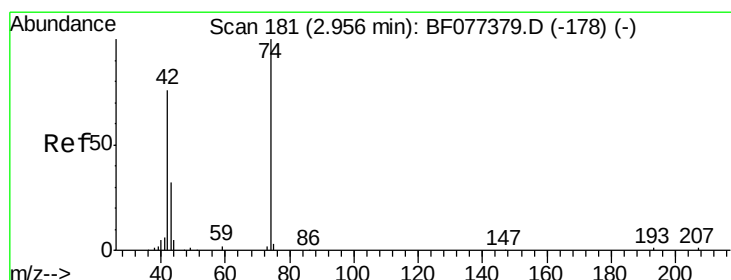
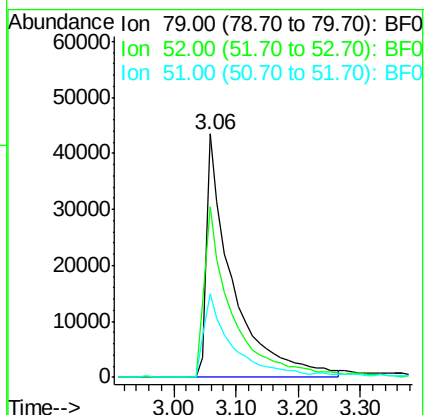
Tot Ion: 79 Resp: 124914

Ion Ratio Lower Upper

79 100

52 70.3 57.7 86.5

51 34.5 28.5 42.7



#4

n-Nitrosodimethylamine

Concen: 28.40 ng

RT: 2.97 min Scan# 182

Delta R.T. 0.01 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

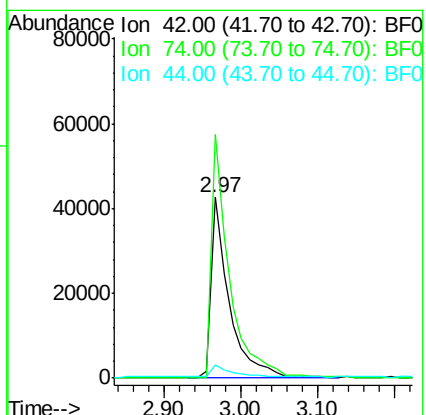
Tgt Ion: 42 Resp: 69594

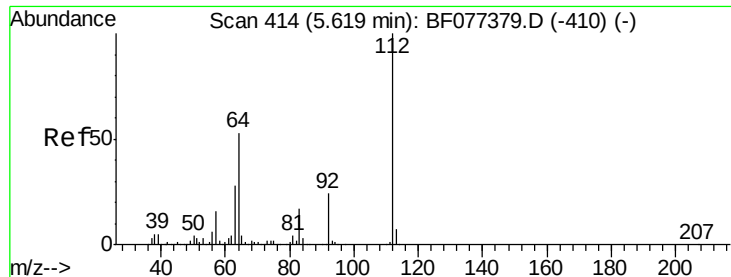
Ion Ratio Lower Upper

42 100

74 134.9 107.1 160.7

44 7.3 6.7 10.1





#5

2-Fluorophenol

Concen: 99.94 ng

RT: 5.62 min Scan# 414

Delta R.T. -0.00 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

Instrument :

BNA_F

ClientSampleId :

HF-1MSD

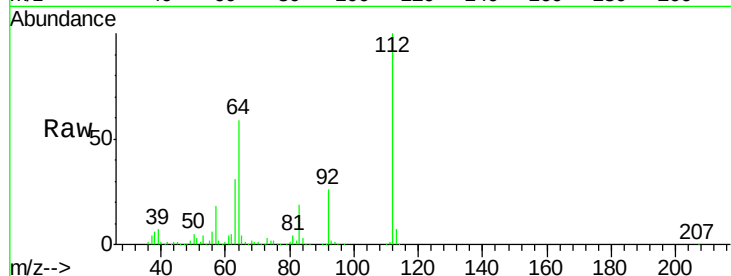
Tot Ion:112 Resp: 463992

Ion Ratio Lower Upper

112 100

64 59.2 48.5 72.7

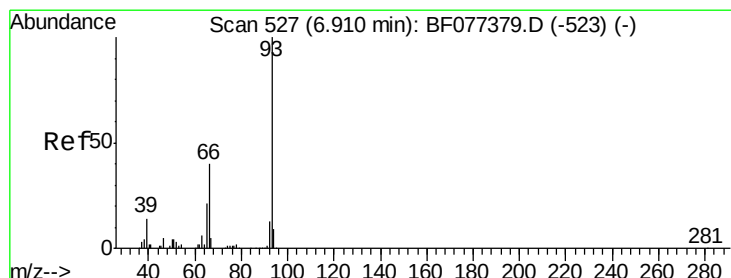
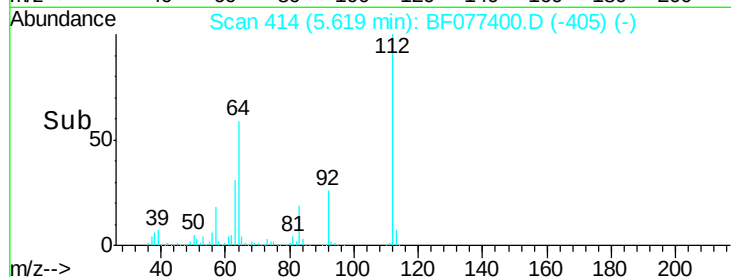
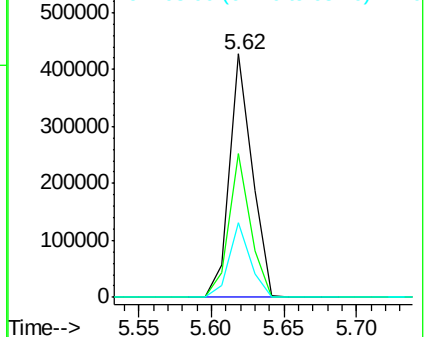
63 30.8 25.0 37.4



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 10.45 ng

RT: 6.91 min Scan# 527

Delta R.T. -0.01 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

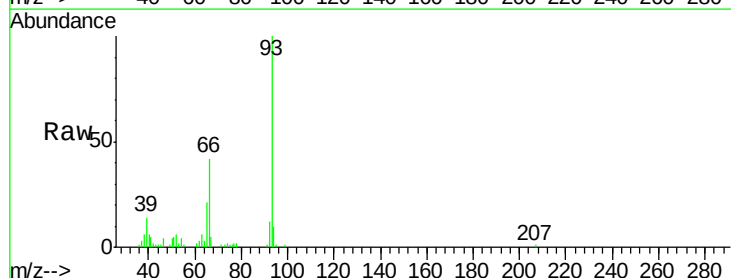
Tgt Ion: 93 Resp: 86216

Ion Ratio Lower Upper

93 100

66 42.2 29.1 43.7

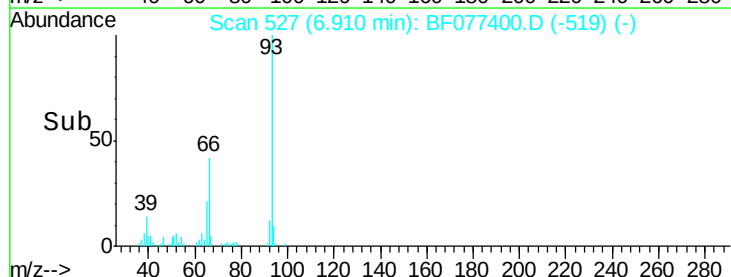
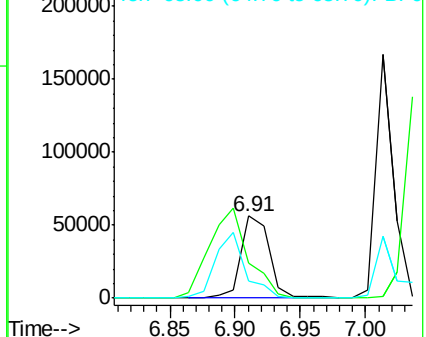
65 21.5 14.6 22.0

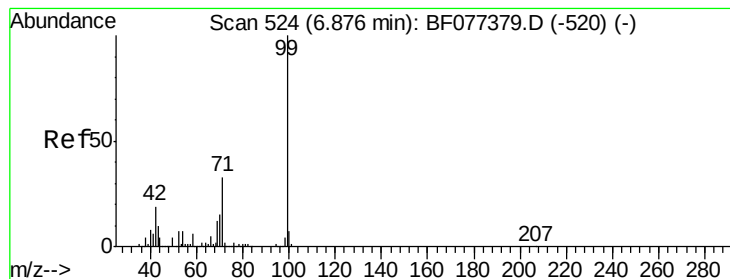


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 98.15 ng

RT: 6.88 min Scan# 524

Delta R.T. -0.01 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

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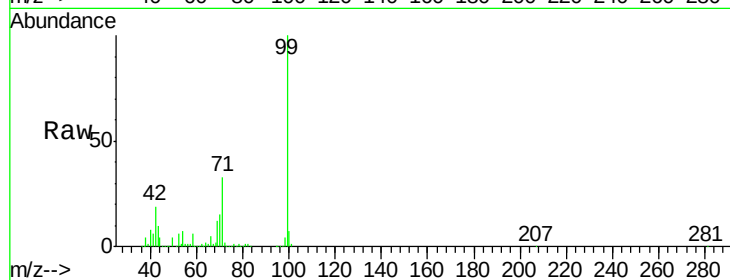
Tot Ion: 99 Resp: 585916

Ion Ratio Lower Upper

99 100

42 19.2 16.2 24.4

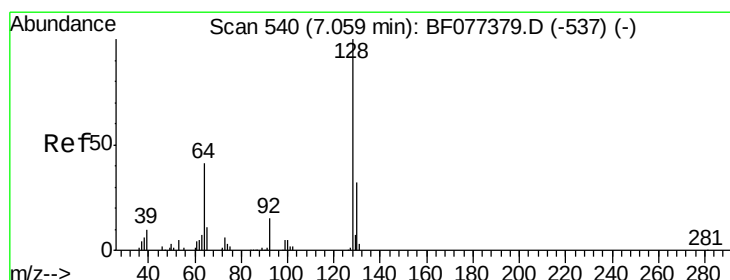
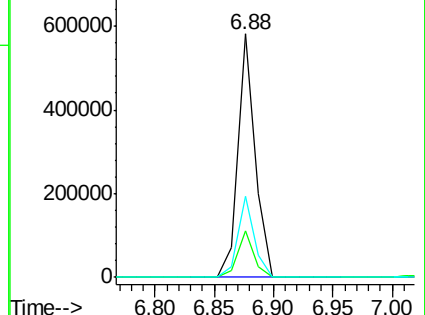
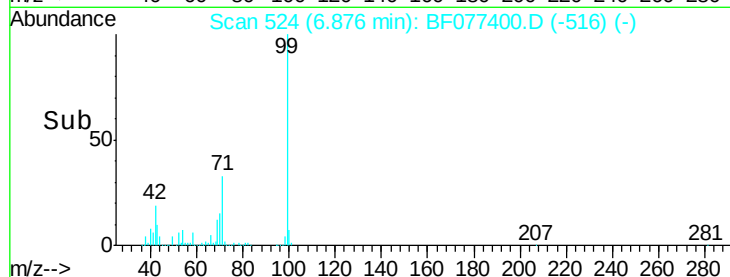
71 33.1 26.7 40.1



Abundance Ion 99.00 (98.70 to 99.70): BF077400.D (-516) (-)

Ion 42.00 (41.70 to 42.70): BF077400.D (-516) (-)

Ion 71.00 (70.70 to 71.70): BF077400.D (-516) (-)



#8

2-Chlorophenol

Concen: 32.03 ng

RT: 7.06 min Scan# 540

Delta R.T. -0.00 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

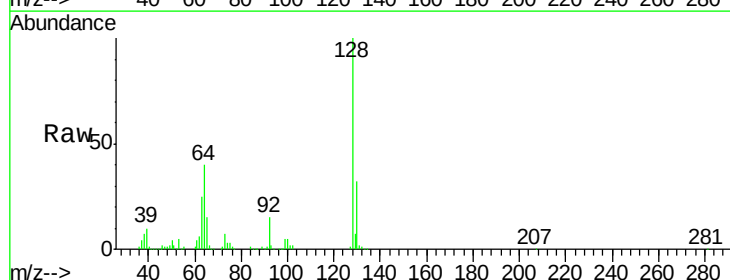
Tgt Ion: 128 Resp: 175458

Ion Ratio Lower Upper

128 100

130 32.0 12.0 52.0

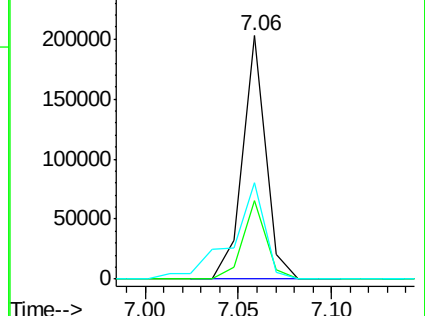
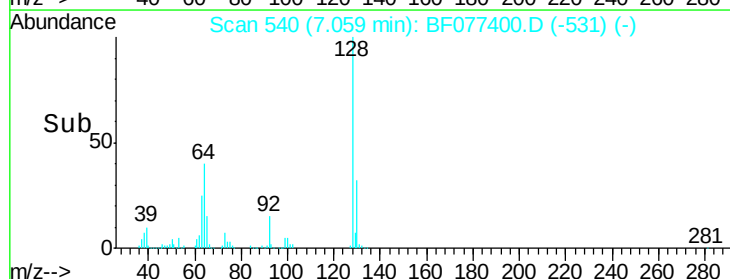
64 39.8 29.2 69.2

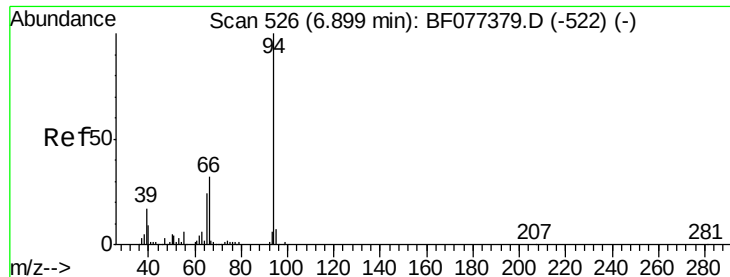


Abundance Ion 128.00 (127.70 to 128.70): BF077400.D (-531) (-)

Ion 130.00 (129.70 to 130.70): BF077400.D (-531) (-)

Ion 64.00 (63.70 to 64.70): BF077400.D (-531) (-)





#10

Phenol

Concen: 30.46 ng

RT: 6.90 min Scan# 526

Delta R.T. -0.00 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

Instrument :

BNA_F

ClientSampleId :

HF-1MSD

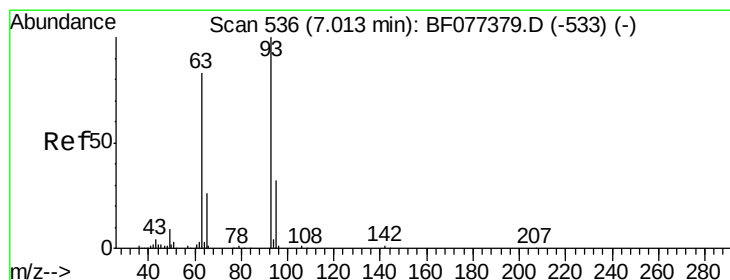
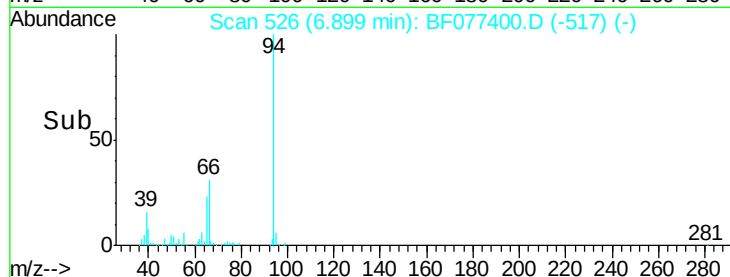
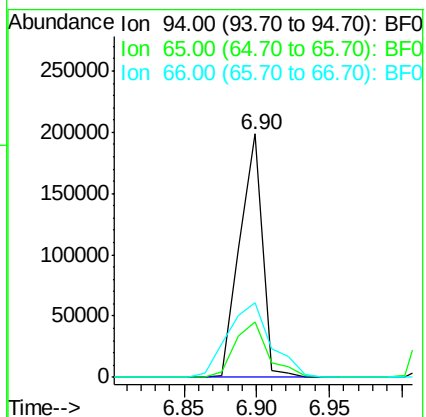
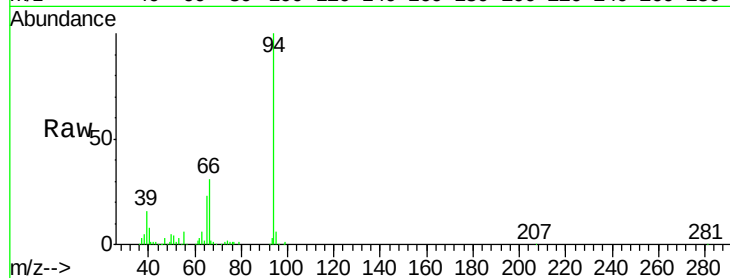
Tot Ion: 94 Resp: 215774

Ion Ratio Lower Upper

94 100

65 22.8 5.7 45.7

66 30.9 13.6 53.6



#11

bis(2-Chloroethyl)ether

Concen: 30.20 ng

RT: 7.01 min Scan# 536

Delta R.T. -0.01 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

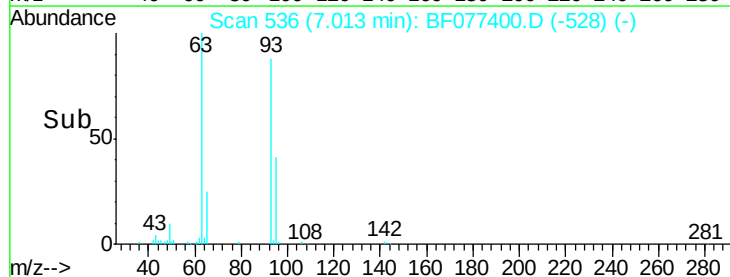
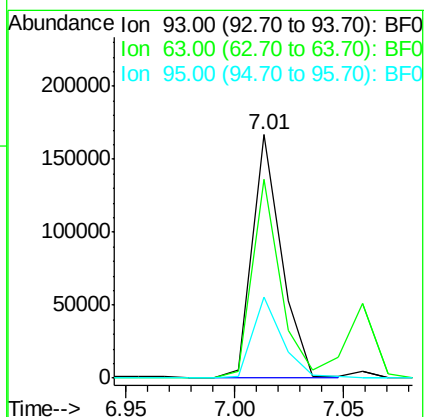
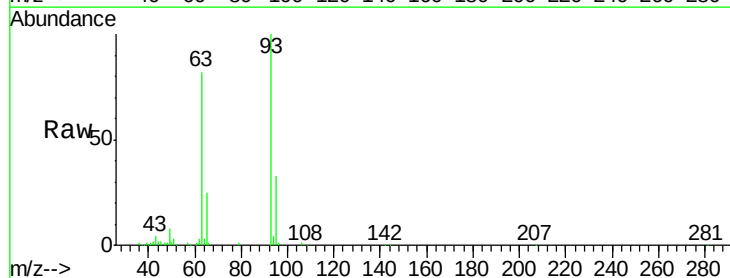
Tgt Ion: 93 Resp: 153687

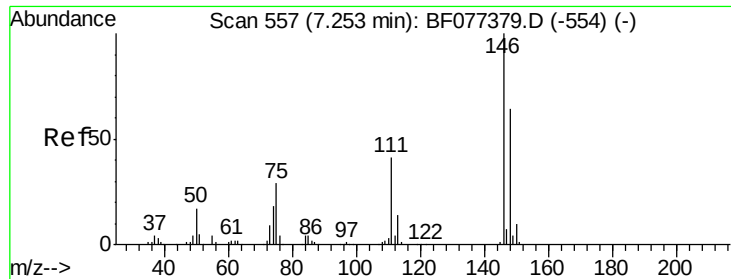
Ion Ratio Lower Upper

93 100

63 81.7 48.7 88.7

95 33.1 13.6 53.6

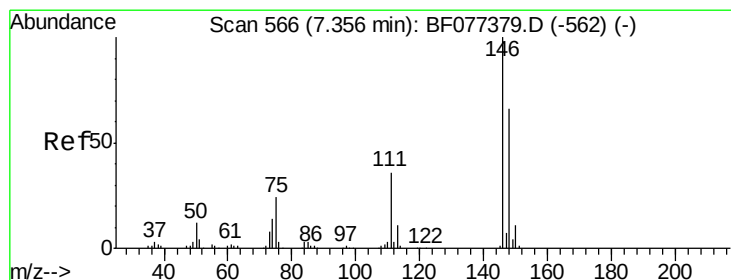
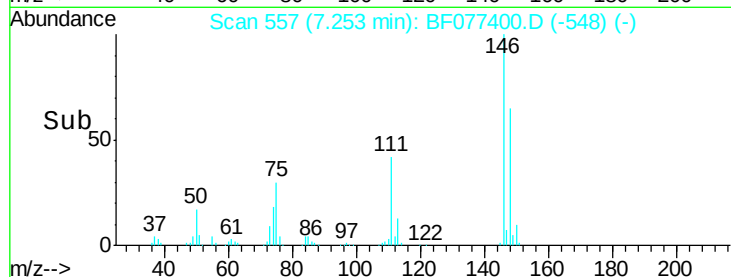
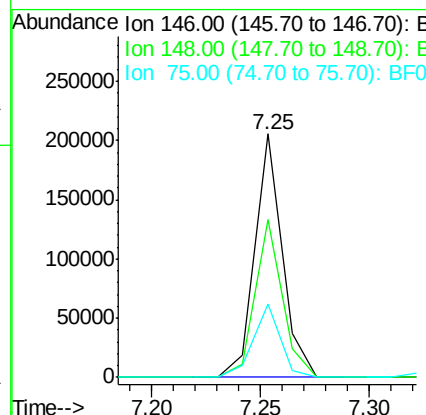
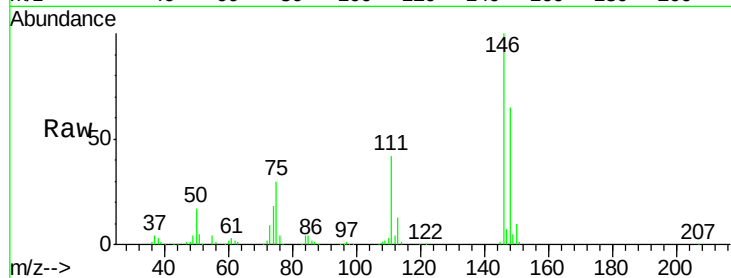




#12
 1,3-Dichlorobenzene
 Concen: 30.08 ng
 RT: 7.25 min Scan# 557
 Delta R.T. -0.00 min
 Lab File: BF077400.D
 Acq: 23 Feb 2015 12:47

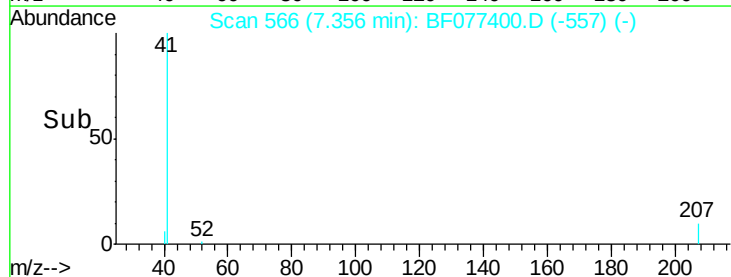
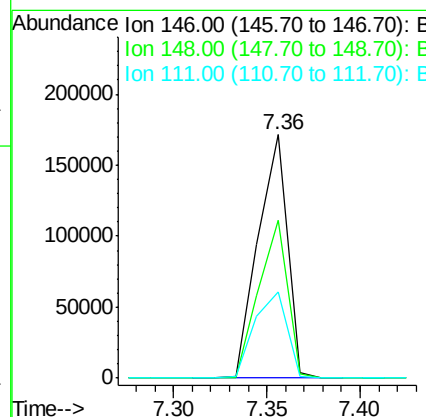
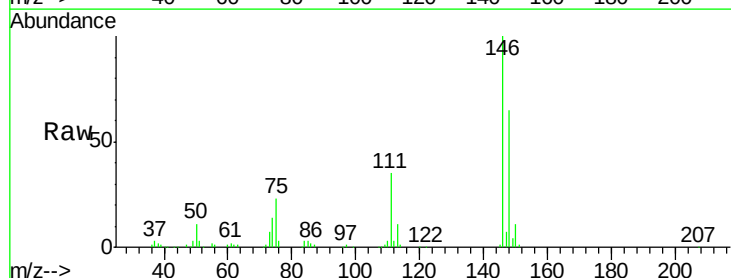
Instrument :
 BNA_F
 ClientSampleId :
 HF-1MSD

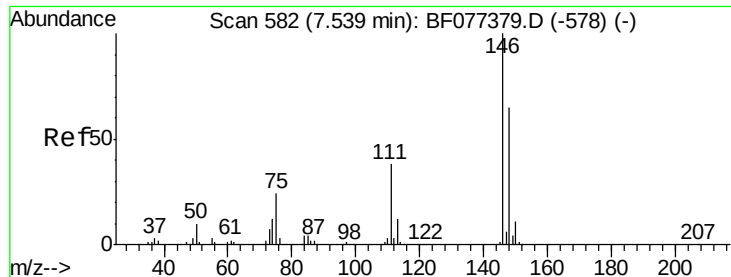
Tot Ion	Ratio	Lower	Upper
146	100		
148	64.9	49.8	74.8
75	30.3	28.2	42.4



#13
 1,4-Dichlorobenzene
 Concen: 30.48 ng
 RT: 7.36 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: BF077400.D
 Acq: 23 Feb 2015 12:47

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.6	52.0	78.0
111	35.5	31.9	47.9

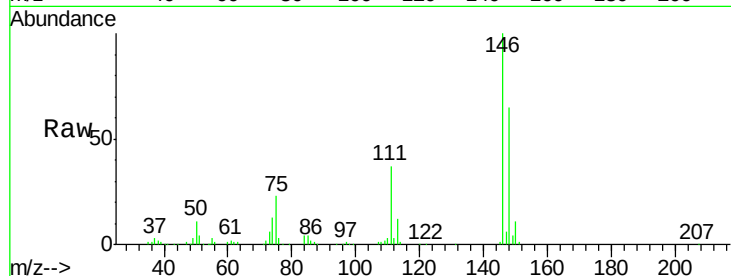




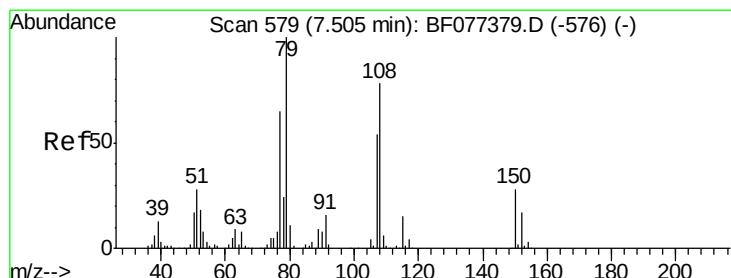
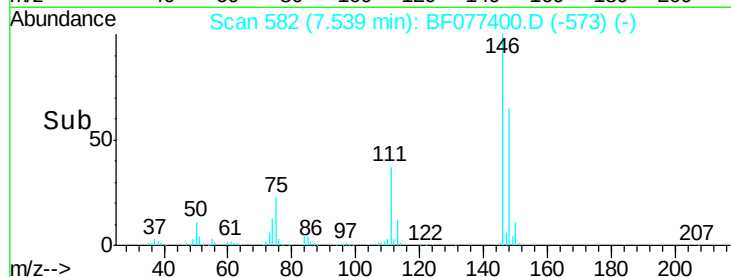
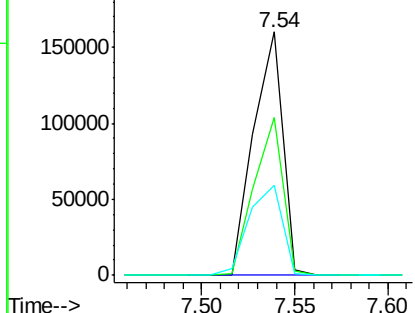
#14
 1,2-Dichlorobenzene
 Concen: 30.56 ng
 RT: 7.54 min Scan# 582
 Delta R.T. -0.00 min
 Lab File: BF077400.D
 Acq: 23 Feb 2015 12:47

Instrument :
 BNA_F
 ClientSampleId :
 HF-1MSD

Tot Ion:146 Resp: 176372
 Ion Ratio Lower Upper
 146 100
 148 64.6 51.6 77.4
 111 37.1 34.2 51.2

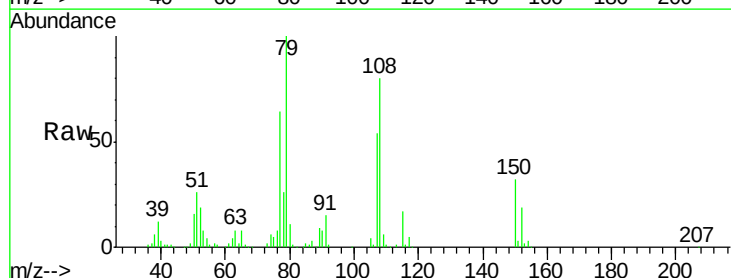


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

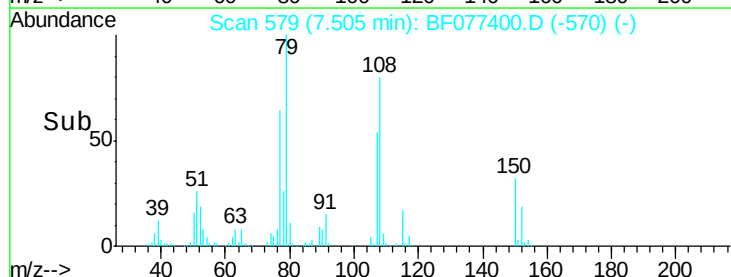
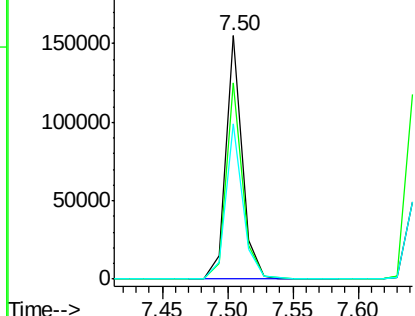


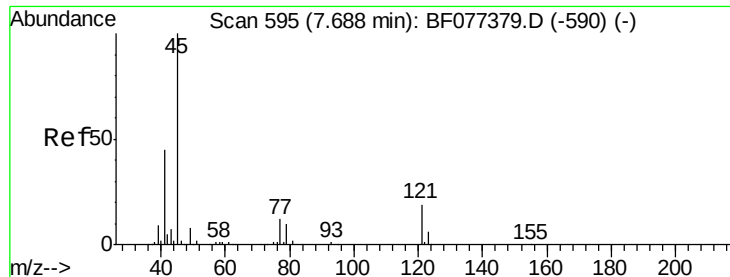
#15
 Benzyl Alcohol
 Concen: 29.95 ng
 RT: 7.50 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: BF077400.D
 Acq: 23 Feb 2015 12:47

Tgt Ion: 79 Resp: 135898
 Ion Ratio Lower Upper
 79 100
 108 80.5 58.3 87.5
 77 63.7 51.3 76.9



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

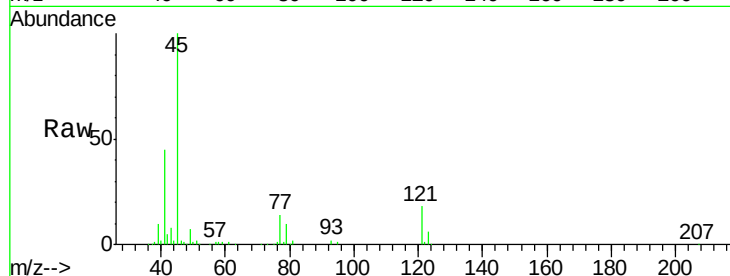




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 31.63 ng
RT: 7.69 min Scan# 595
Delta R.T. -0.00 min
Lab File: BF077400.D
Acq: 23 Feb 2015 12:47

Instrument :
BNA_F
ClientSampleId :
HF-1MSD

Tot Ion	Ratio	Lower	Upper
45	100		
77	13.5	0.0	34.6
79	10.1	0.0	31.5

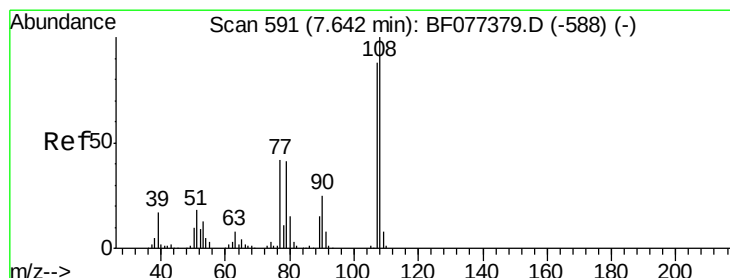
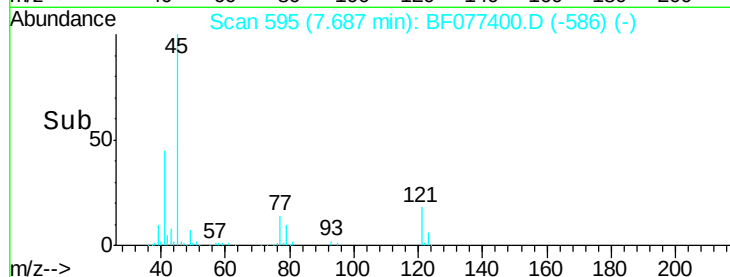
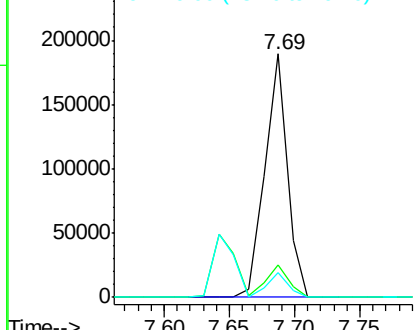


Abundance

Ion 45.00 (44.70 to 45.70): BF0

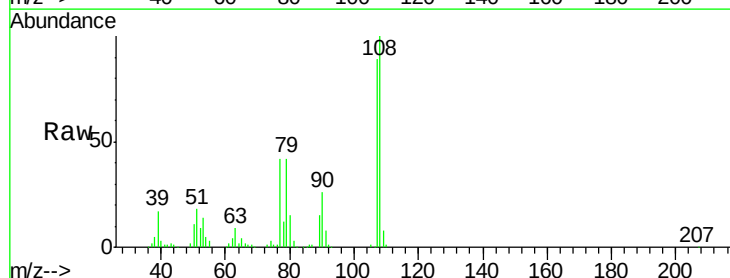
Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#17
2-Methylphenol
Concen: 31.65 ng
RT: 7.64 min Scan# 591
Delta R.T. -0.01 min
Lab File: BF077400.D
Acq: 23 Feb 2015 12:47

Tgt Ion	Ratio	Lower	Upper
107	100		
108	112.9	91.2	136.8
77	47.6	33.6	50.4
79	47.0	32.1	48.1



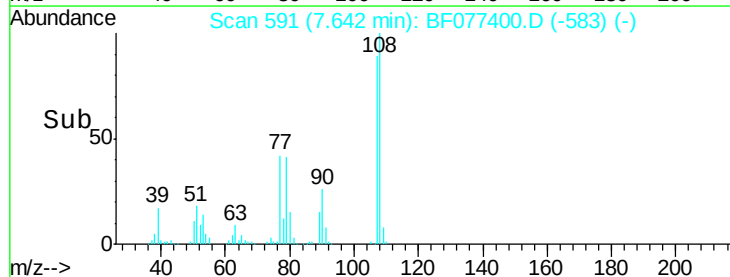
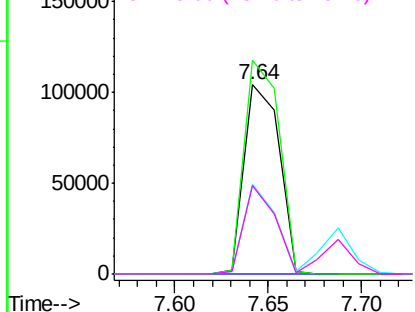
Abundance

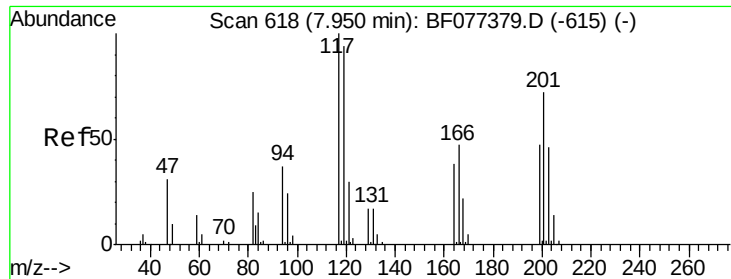
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

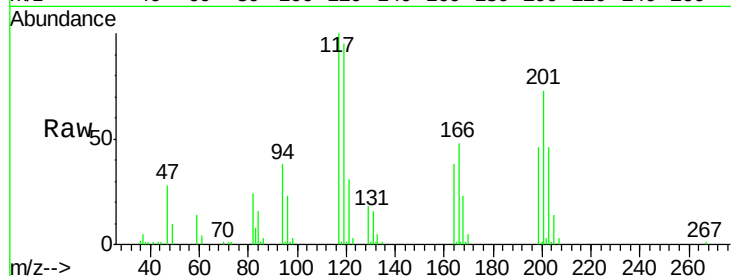




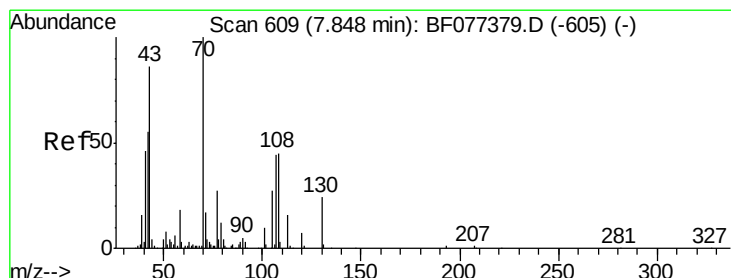
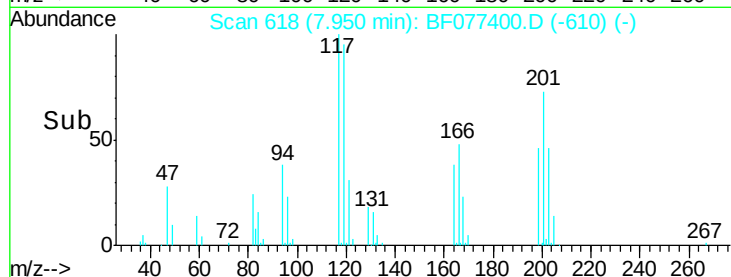
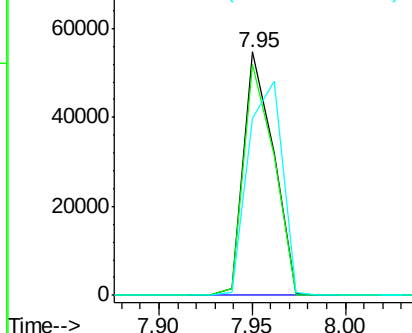
#18
Hexachloroethane
Concen: 30.07 ng
RT: 7.95 min Scan# 618
Delta R.T. -0.01 min
Lab File: BF077400.D
Acq: 23 Feb 2015 12:47

Instrument :
BNA_F
ClientSampleId :
HF-1MSD

Tot Ion:117 Resp: 60936
Ion Ratio Lower Upper
117 100
119 94.8 77.8 116.8
201 72.5 90.6 136.0#



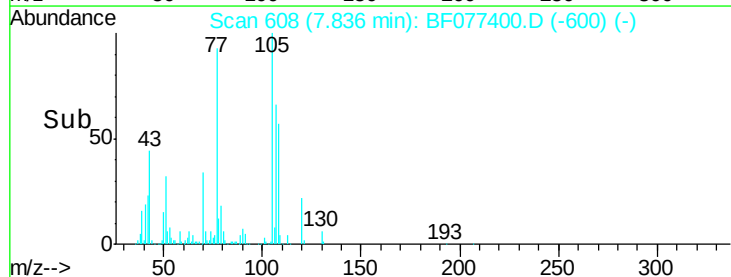
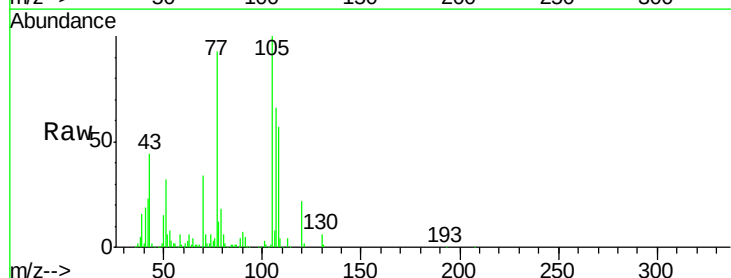
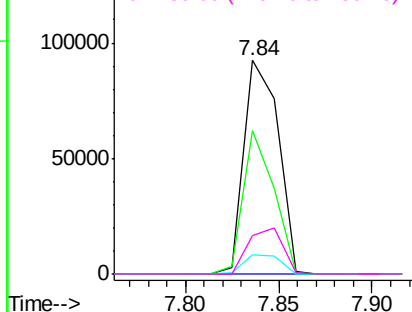
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

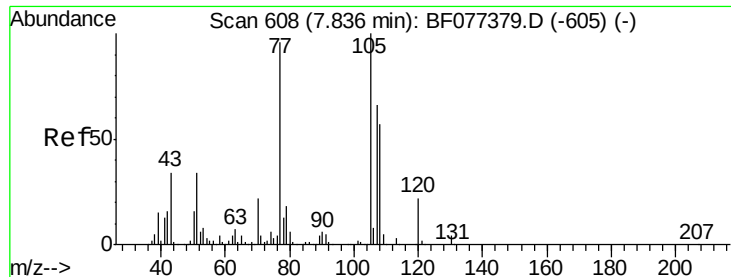


#19
n-Nitroso-di-n-propylamine
Concen: 31.05 ng
RT: 7.84 min Scan# 608
Delta R.T. -0.01 min
Lab File: BF077400.D
Acq: 23 Feb 2015 12:47

Tgt Ion: 70 Resp: 117717
Ion Ratio Lower Upper
70 100
42 66.9 48.3 72.5
101 8.8 7.5 11.3
130 17.8 16.7 25.1

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: 31.63 ng

RT: 7.84 min Scan# 608

Delta R.T. -0.01 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

Instrument :

BNA_F

ClientSampleId :

HF-1MSD

Tot Ion:107 Resp: 178334

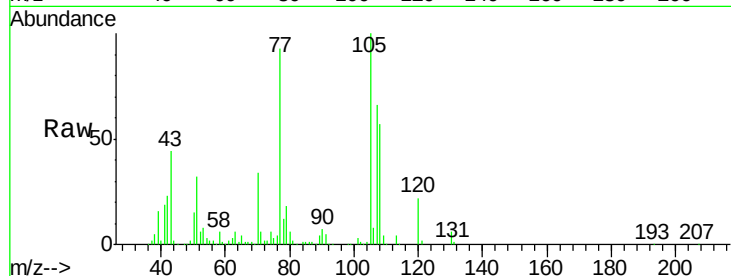
Ion Ratio Lower Upper

107 100

108 86.6 76.8 116.8

77 141.6 65.8 105.8#

79 27.0 9.6 49.6

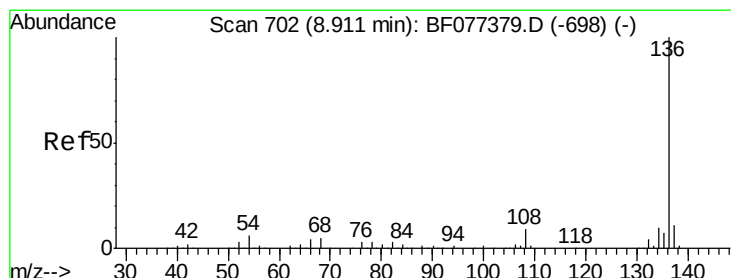
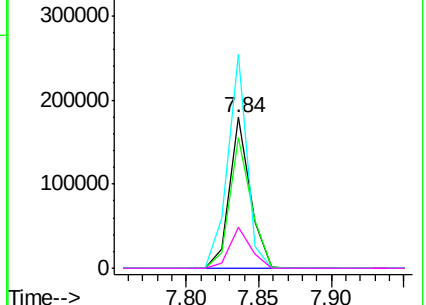
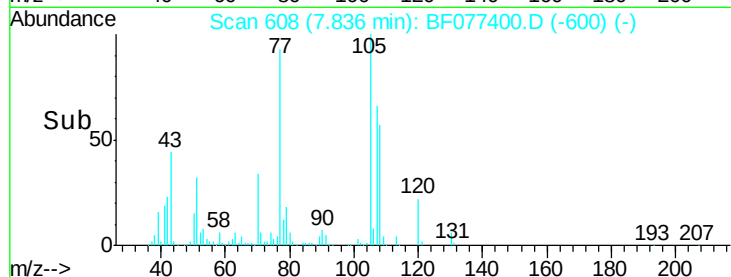


Abundance Ion 107.00 (106.70 to 107.70): E

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: 8.91 min Scan# 702

Delta R.T. -0.00 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

Tgt Ion:136 Resp: 316134

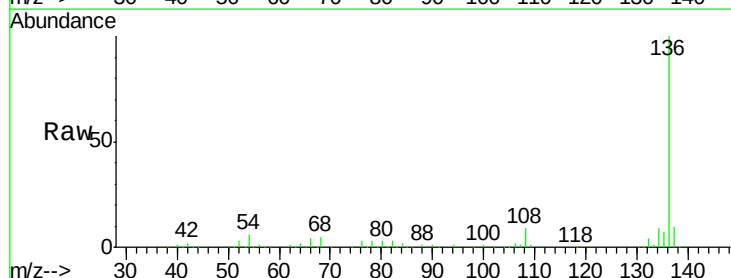
Ion Ratio Lower Upper

136 100

137 10.4 8.6 13.0

54 5.7 6.2 9.4#

68 4.7 5.0 7.6#

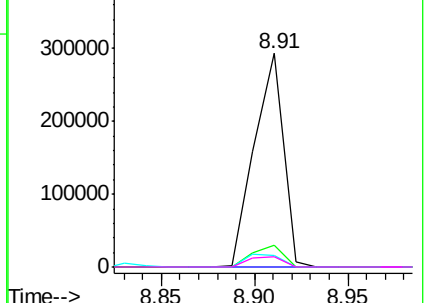
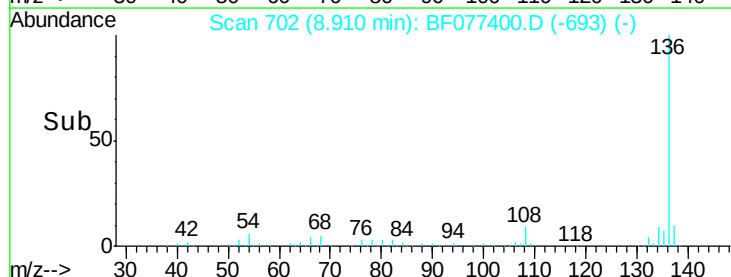


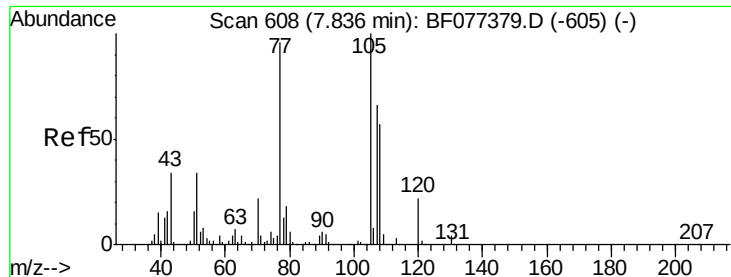
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

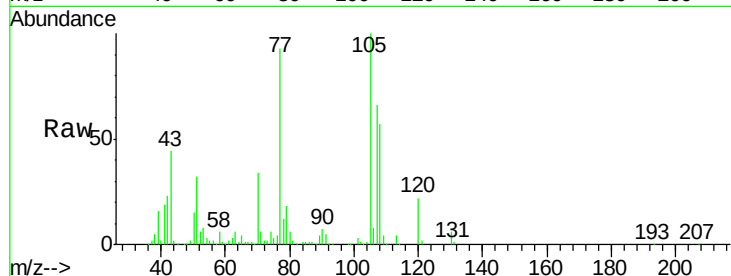




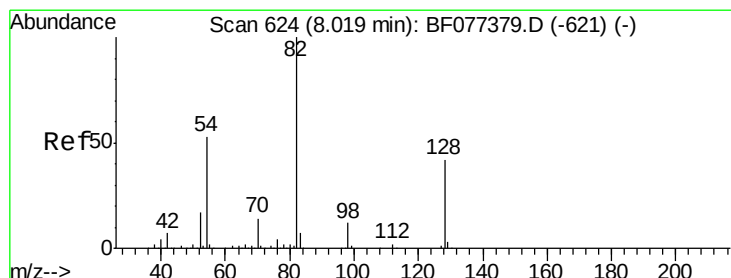
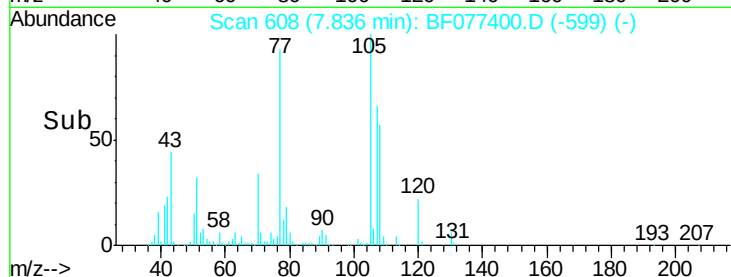
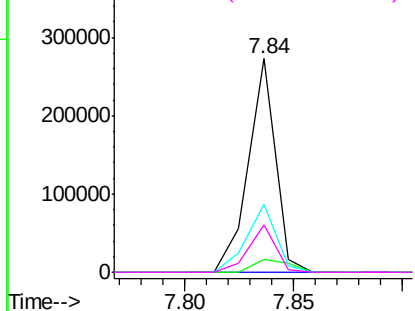
#22
Acetophenone
Concen: 31.90 ng
RT: 7.84 min Scan# 608
Delta R.T. -0.00 min
Lab File: BF077400.D
Acq: 23 Feb 2015 12:47

Instrument :
BNA_F
ClientSampleId :
HF-1MSD

Tot Ion:105 Resp: 237224
Ion Ratio Lower Upper
105 100
71 5.7 1.7 2.5#
51 31.8 30.7 46.1
120 22.4 16.7 25.1

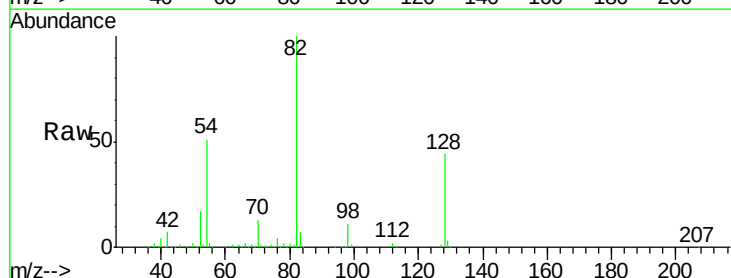


Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E

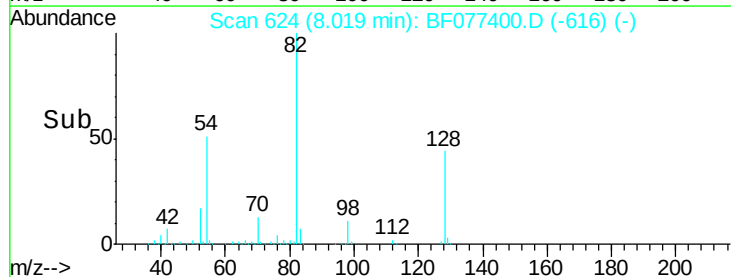
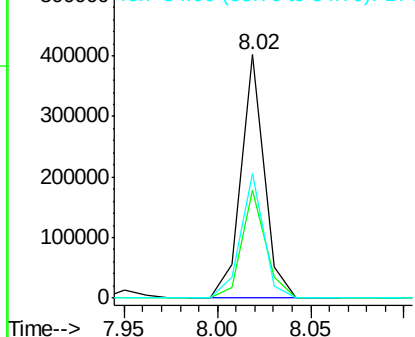


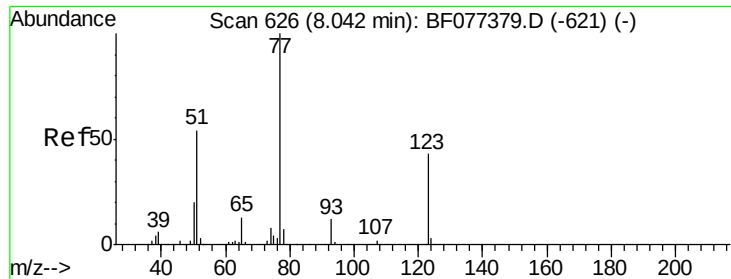
#23
Nitrobenzene-d5
Concen: 68.75 ng
RT: 8.02 min Scan# 624
Delta R.T. -0.01 min
Lab File: BF077400.D
Acq: 23 Feb 2015 12:47

Tgt Ion: 82 Resp: 349520
Ion Ratio Lower Upper
82 100
128 44.3 43.8 65.8
54 51.0 36.7 55.1



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: 33.19 ng

RT: 8.04 min Scan# 626

Delta R.T. -0.01 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

Instrument :

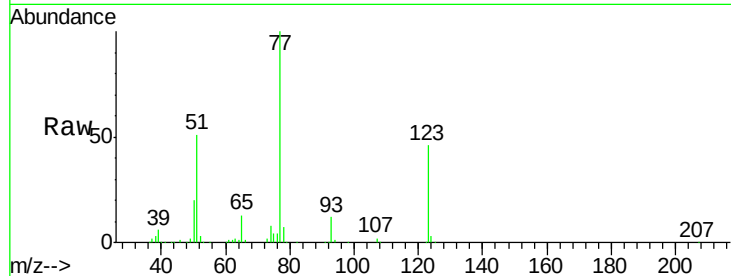
BNA_F

ClientSampleId :

HF-1MSD

Tot Ion: 77 Resp: 177509

Ion	Ratio	Lower	Upper
77	100		
123	46.2	45.9	68.9
65	13.2	9.5	14.3

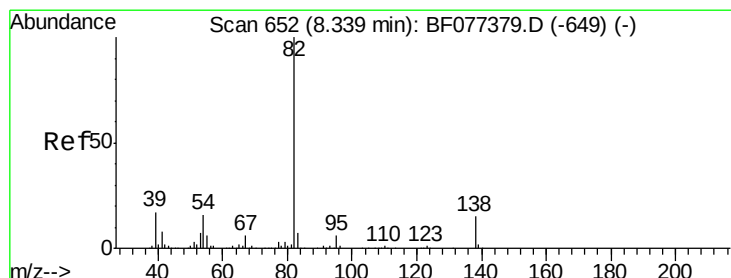
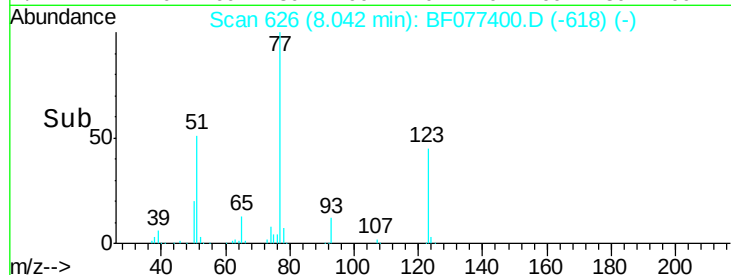
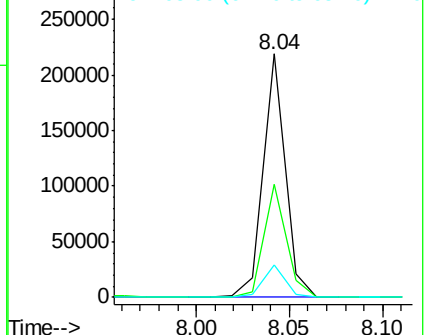


Abundance

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: 32.04 ng

RT: 8.34 min Scan# 652

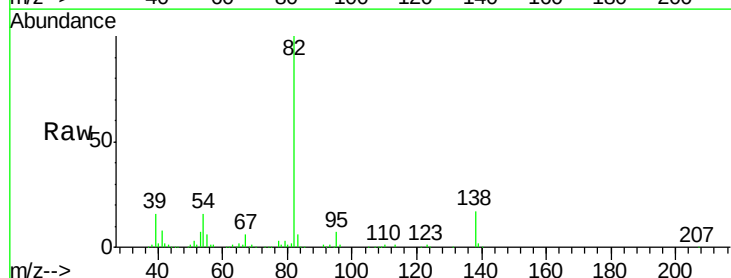
Delta R.T. -0.01 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

Tgt Ion: 82 Resp: 323144

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	17.1	16.3	24.5

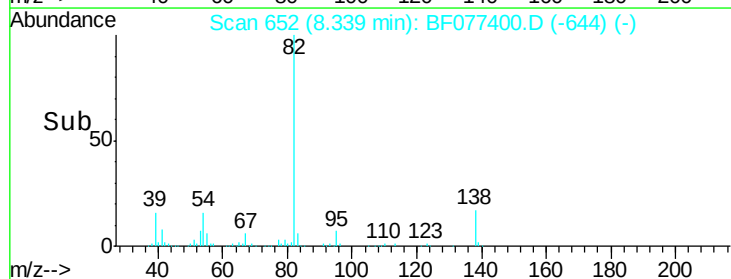
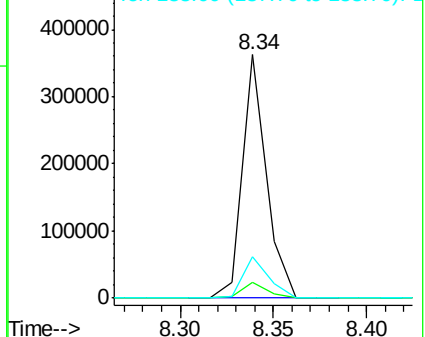


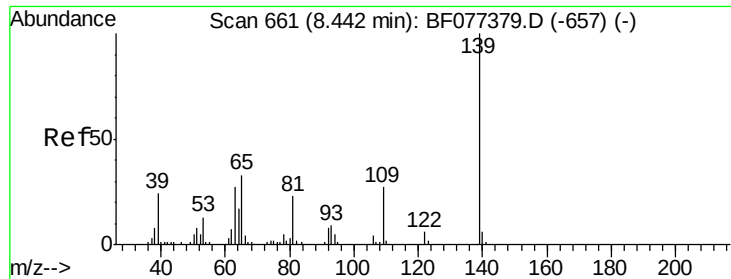
Abundance

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: 32.26 ng

RT: 8.44 min Scan# 661

Delta R.T. -0.00 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

Instrument :

BNA_F

ClientSampleId :

HF-1MSD

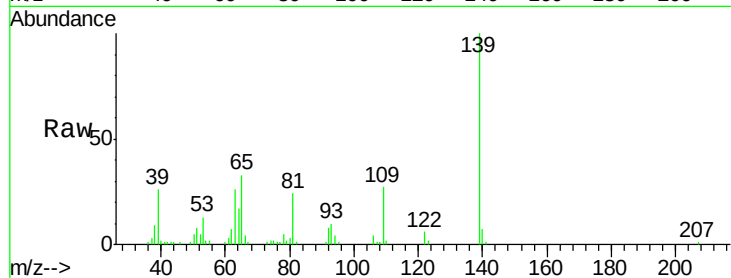
Tot Ion:139 Resp: 70714

Ion Ratio Lower Upper

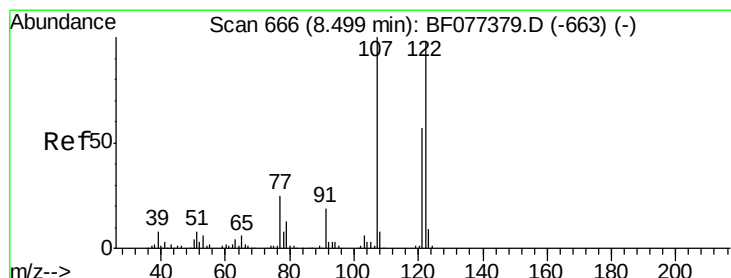
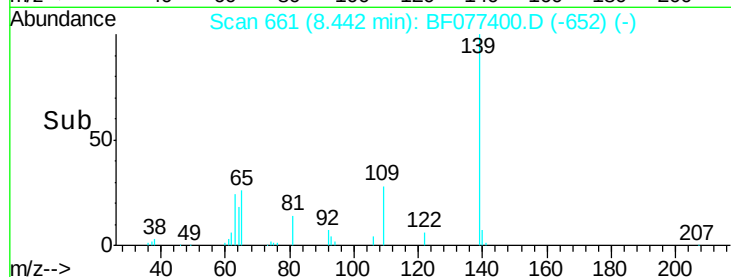
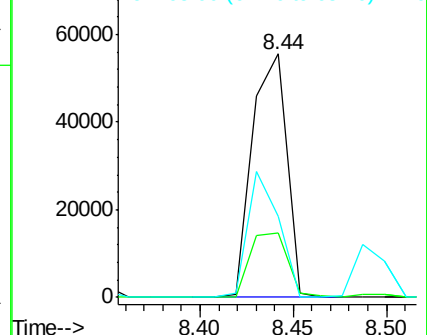
139 100

109 26.6 22.6 34.0

65 33.1 36.4 54.6#



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



#27

2,4-Dimethylphenol

Concen: 30.72 ng

RT: 8.50 min Scan# 666

Delta R.T. -0.00 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

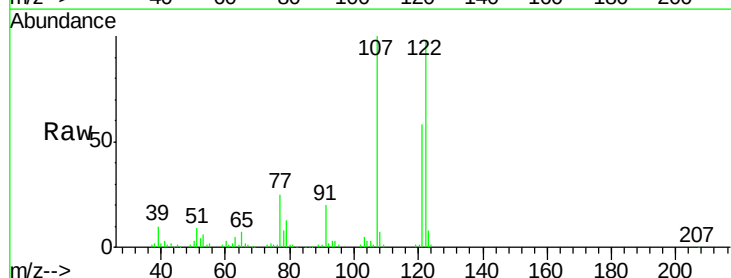
Tgt Ion:122 Resp: 150668

Ion Ratio Lower Upper

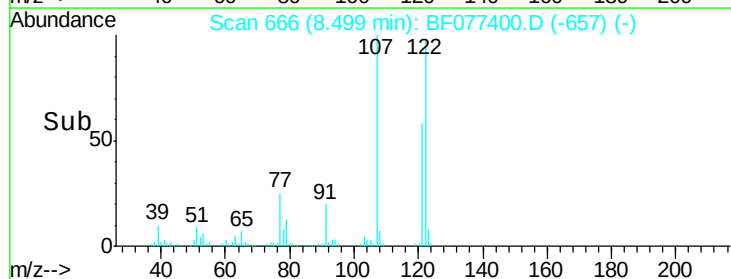
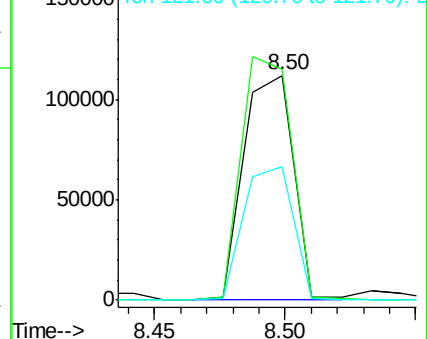
122 100

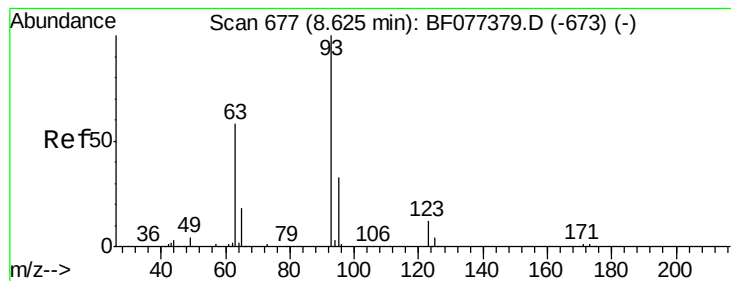
107 102.6 86.6 130.0

121 59.1 47.4 71.0



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: 31.39 ng

RT: 8.62 min Scan# 677

Delta R.T. -0.00 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

Instrument :

BNA_F

ClientSampleId :

HF-1MSD

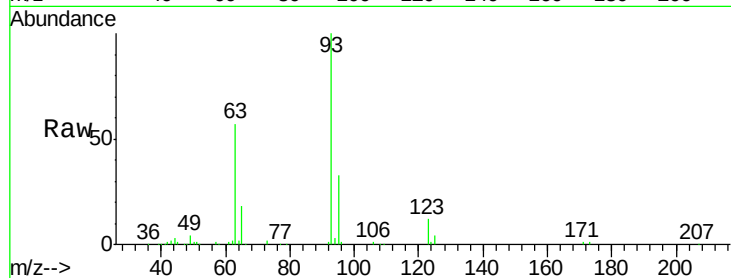
Tot Ion: 93 Resp: 200008

Ion Ratio Lower Upper

93 100

95 33.3 26.4 39.6

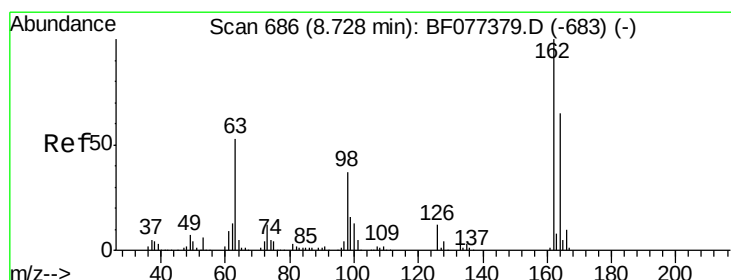
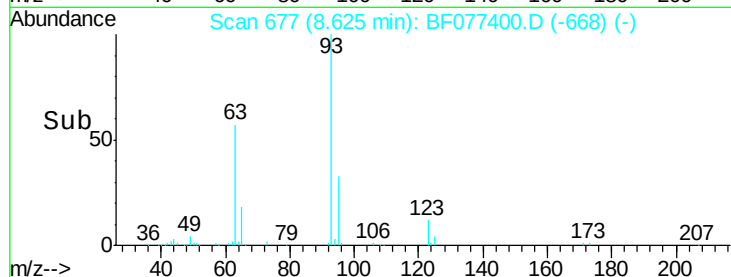
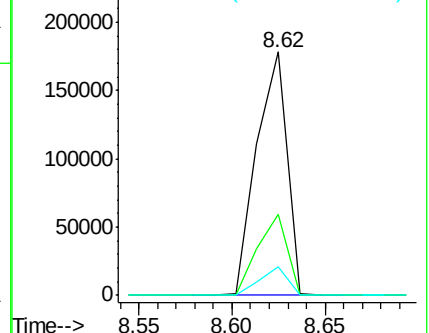
123 11.9 8.7 13.1



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): BF0



#29

2,4-Dichlorophenol

Concen: 33.35 ng

RT: 8.73 min Scan# 686

Delta R.T. -0.00 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

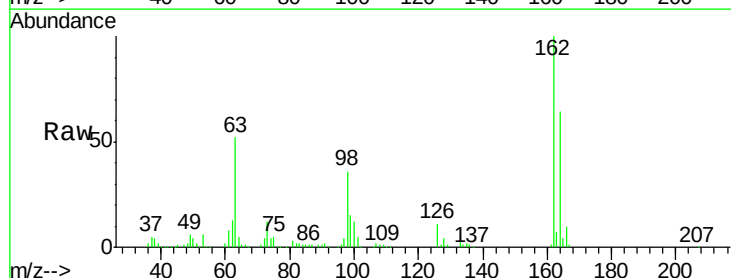
Tgt Ion:162 Resp: 153547

Ion Ratio Lower Upper

162 100

164 63.8 46.4 86.4

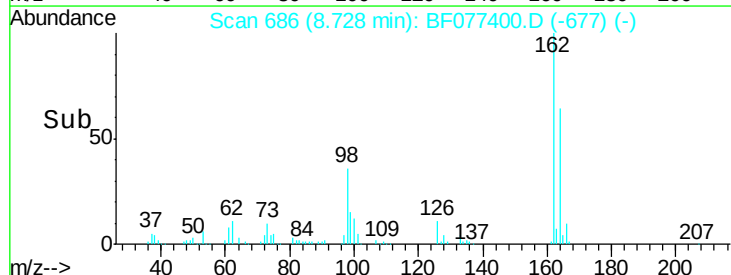
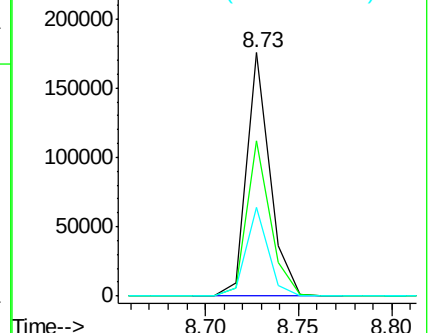
98 36.4 6.9 46.9

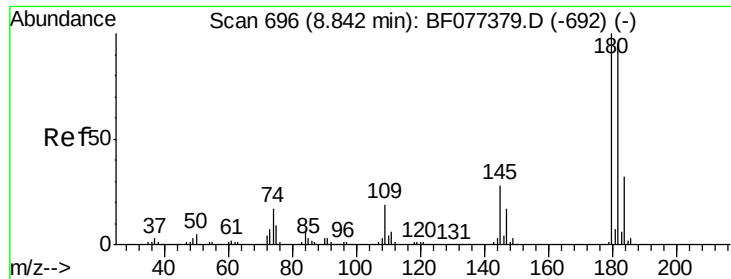


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0

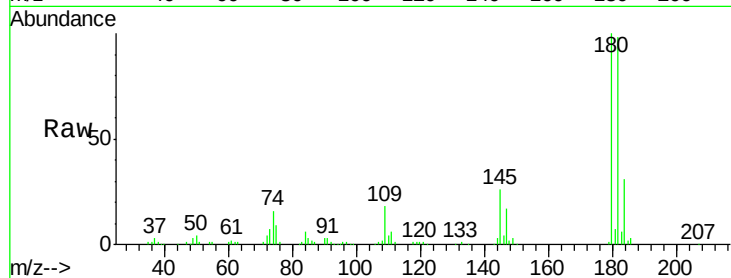




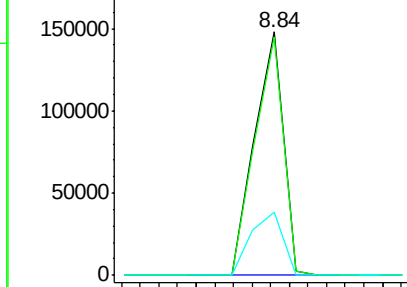
#30
 1,2,4-Trichlorobenzene
 Concen: 31.11 ng
 RT: 8.84 min Scan# 696
 Delta R.T. -0.00 min
 Lab File: BF077400.D
 Acq: 23 Feb 2015 12:47

Instrument :
 BNA_F
 ClientSampleId :
 HF-1MSD

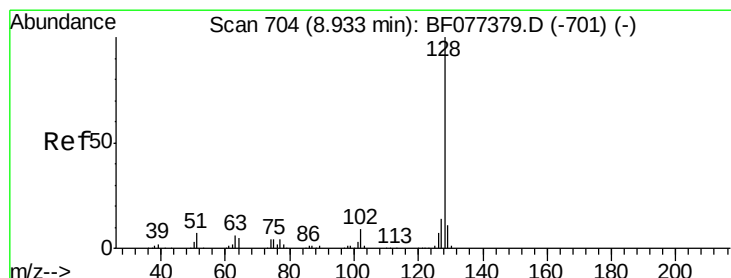
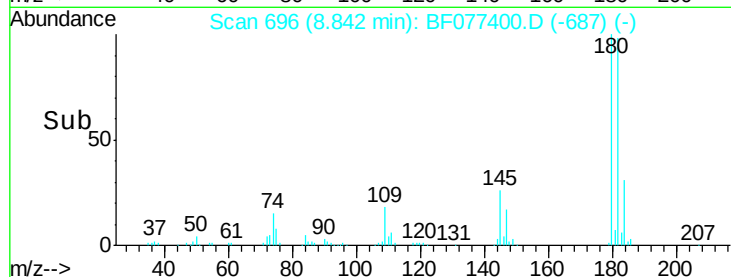
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	76.2	114.4
145	25.8	24.5	36.7



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

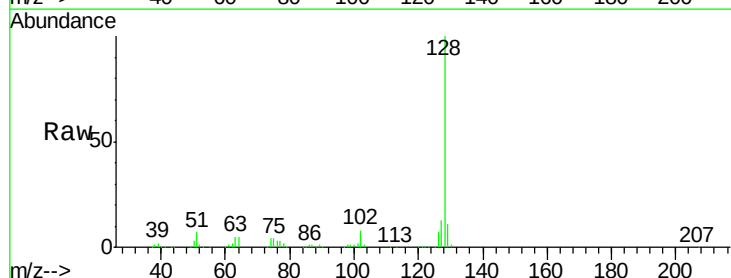


Time-->

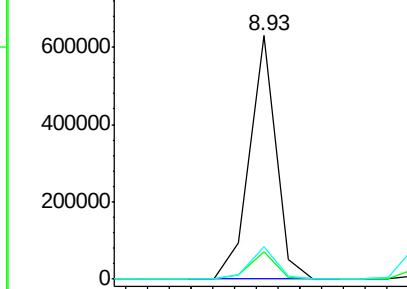


#31
 Naphthalene
 Concen: 33.62 ng
 RT: 8.93 min Scan# 704
 Delta R.T. -0.00 min
 Lab File: BF077400.D
 Acq: 23 Feb 2015 12:47

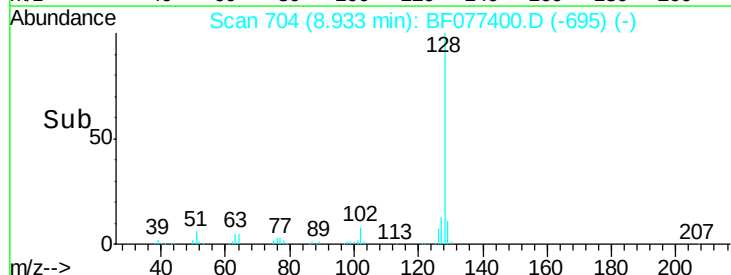
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.4	14.0
127	13.3	10.6	15.8

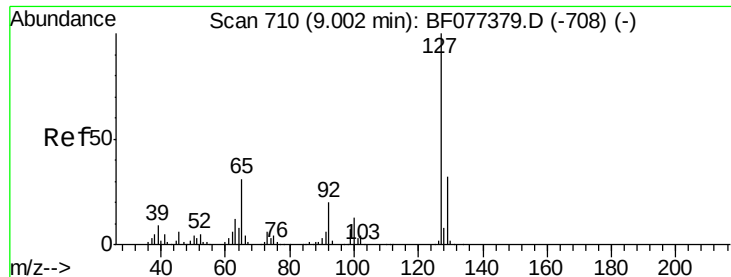


Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E



Time-->

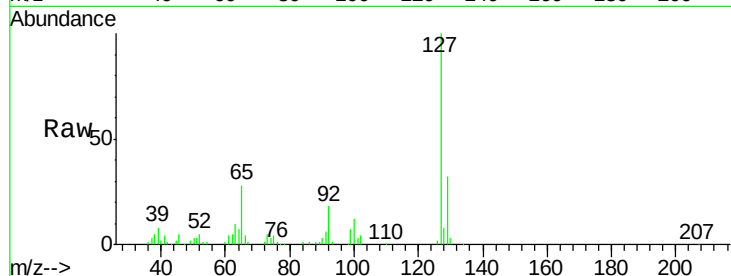




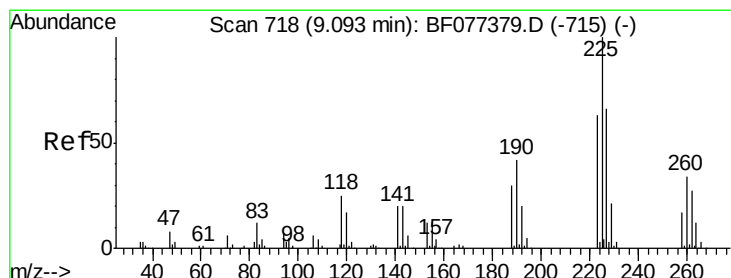
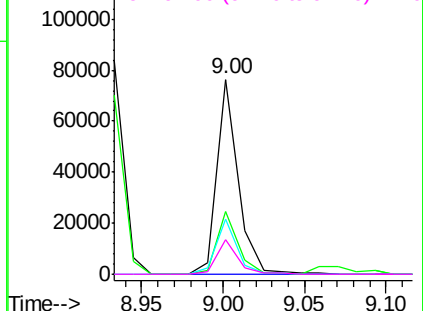
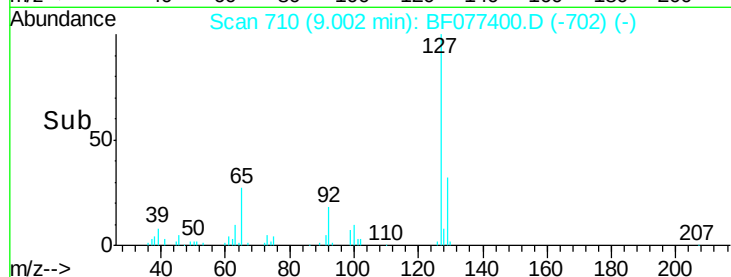
#33
4-Chloroaniline
Concen: 9.89 ng
RT: 9.00 min Scan# 710
Delta R.T. -0.01 min
Lab File: BF077400.D
Acq: 23 Feb 2015 12:47

Instrument :
BNA_F
ClientSampleId :
HF-1MSD

Tot Ion:127	Resp:	69502
Ion Ratio	Lower	Upper
127	100	
129	32.3	26.9 40.3
65	28.3	16.7 25.1#
92	18.1	12.5 18.7

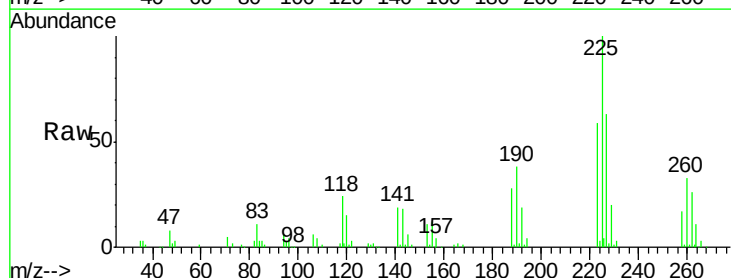


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

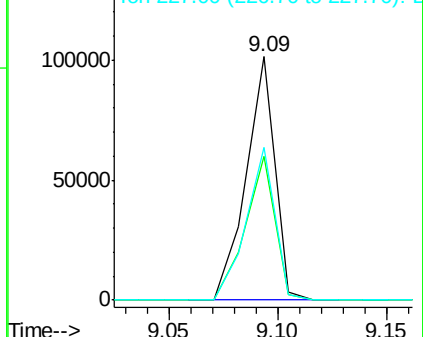
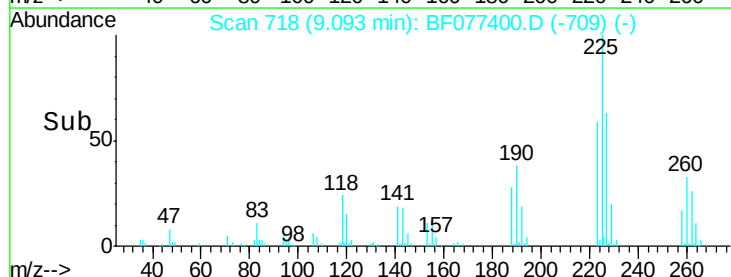


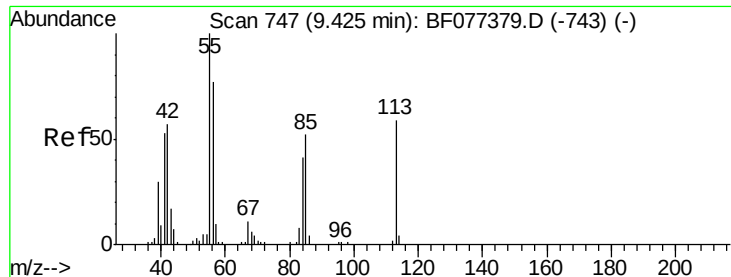
#34
Hexachlorobutadiene
Concen: 32.11 ng
RT: 9.09 min Scan# 718
Delta R.T. -0.00 min
Lab File: BF077400.D
Acq: 23 Feb 2015 12:47

Tgt Ion:225	Resp:	92799
Ion Ratio	Lower	Upper
225	100	
223	59.0	49.5 74.3
227	62.6	50.5 75.7



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

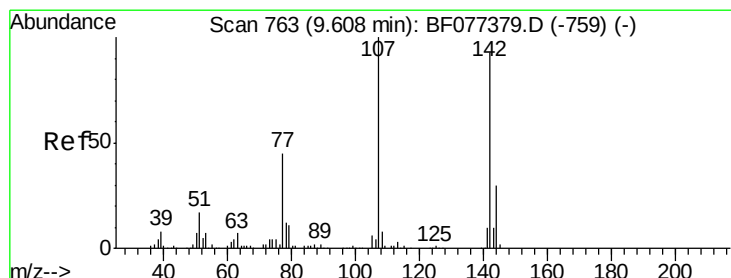
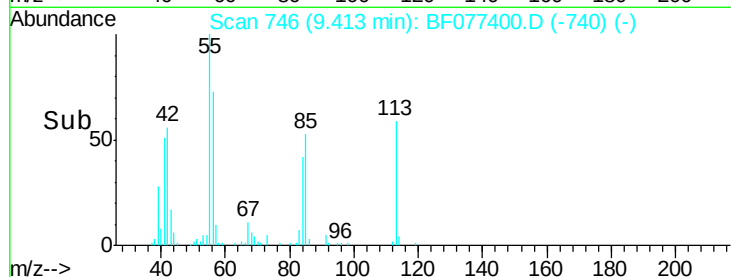
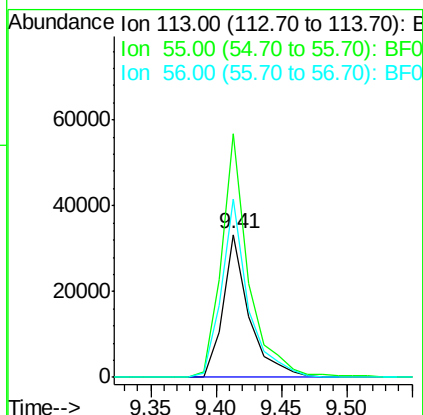
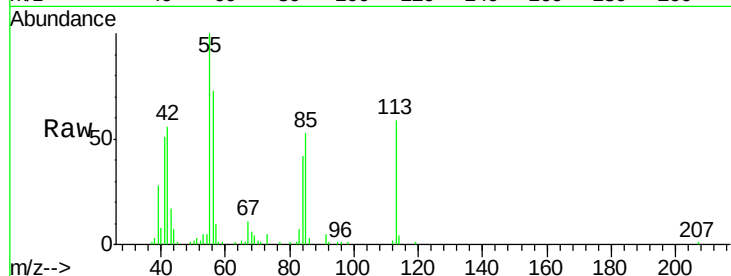




#35
 Caprolactam
 Concen: 32.84 ng
 RT: 9.41 min Scan# 746
 Delta R.T. -0.03 min
 Lab File: BF077400.D
 Acq: 23 Feb 2015 12:47

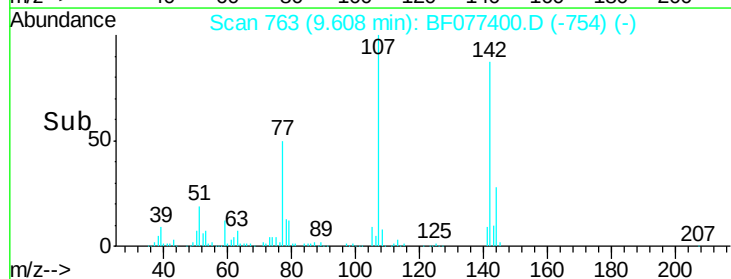
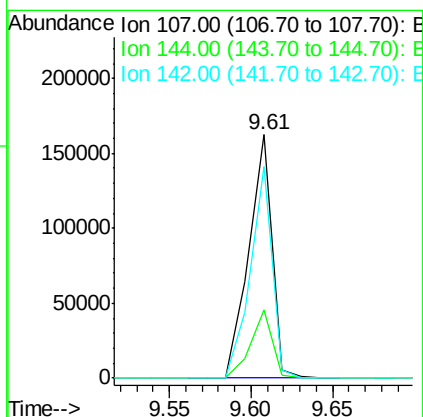
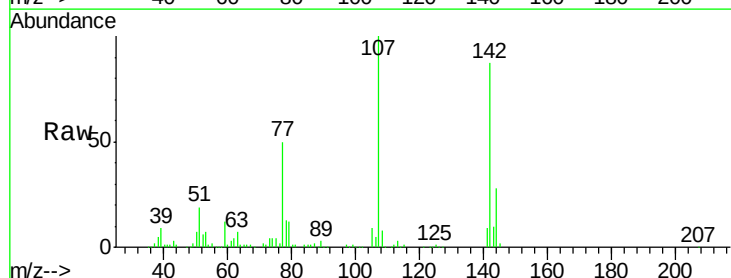
Instrument :
 BNA_F
 ClientSampleId :
 HF-1MSD

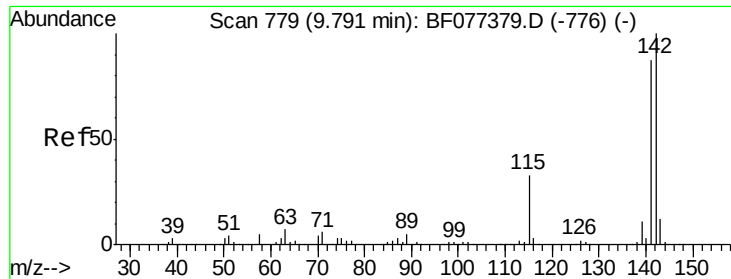
Tot Ion:113 Resp: 46155
 Ion Ratio Lower Upper
 113 100
 55 170.1 154.6 194.6
 56 124.5 114.0 154.0



#36
 4-Chloro-3-methylphenol
 Concen: 34.60 ng
 RT: 9.61 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: BF077400.D
 Acq: 23 Feb 2015 12:47

Tgt Ion:107 Resp: 160140
 Ion Ratio Lower Upper
 107 100
 144 27.9 21.1 31.7
 142 87.0 65.3 97.9

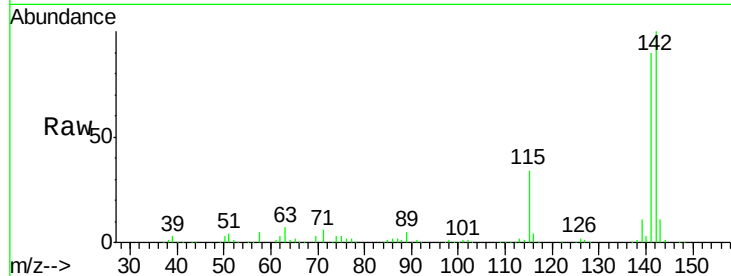




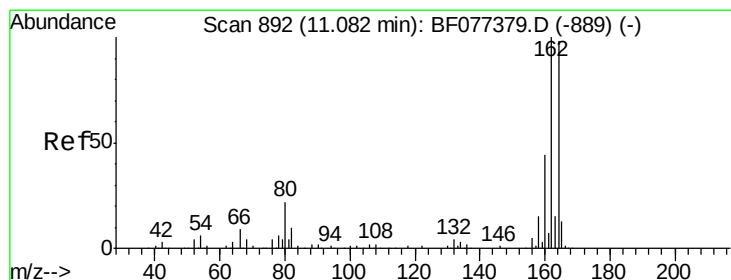
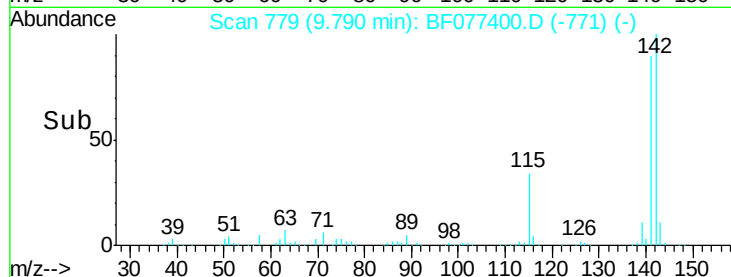
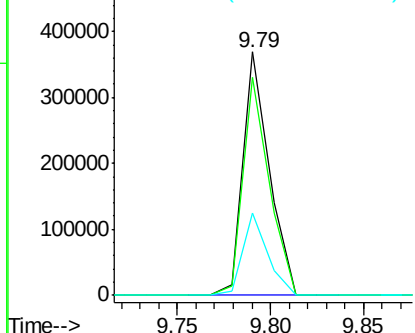
#37
2-Methylnaphthalene
Concen: 32.11 ng
RT: 9.79 min Scan# 779
Delta R.T. -0.01 min
Lab File: BF077400.D
Acq: 23 Feb 2015 12:47

Instrument :
BNA_F
ClientSampleId :
HF-1MSD

Tot Ion:142 Resp: 360541
Ion Ratio Lower Upper
142 100
141 89.5 70.7 106.1
115 33.8 24.2 36.4

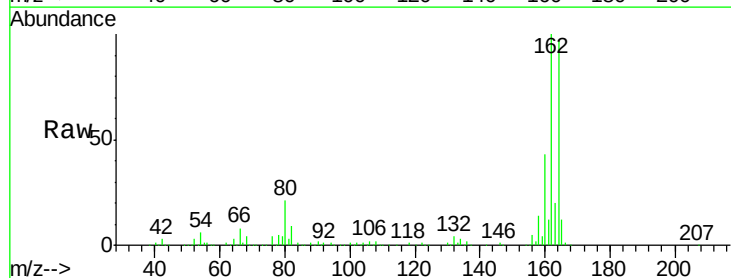


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

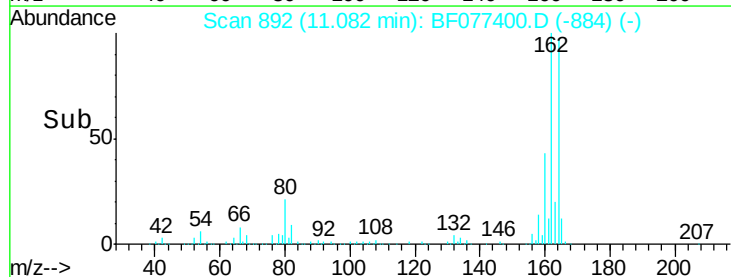
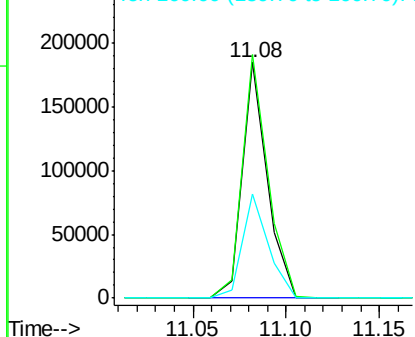


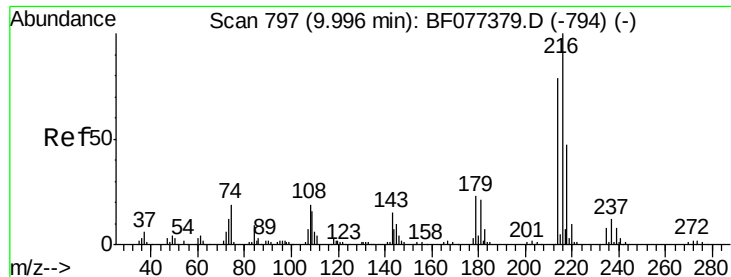
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.08 min Scan# 892
Delta R.T. -0.01 min
Lab File: BF077400.D
Acq: 23 Feb 2015 12:47

Tgt Ion:164 Resp: 171596
Ion Ratio Lower Upper
164 100
162 103.3 83.2 124.8
160 44.2 34.6 52.0



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: 32.56 ng

RT: 10.00 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

Instrument :

BNA_F

ClientSampleId :

HF-1MSD

Tot Ion:216 Resp: 160325

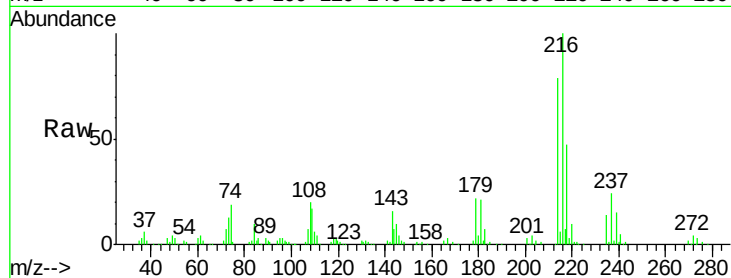
Ion Ratio Lower Upper

216 100

214 78.5 63.4 95.0

179 21.0 16.6 25.0

108 20.8 14.2 21.4

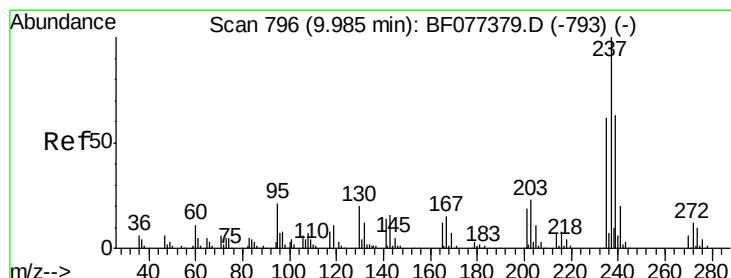
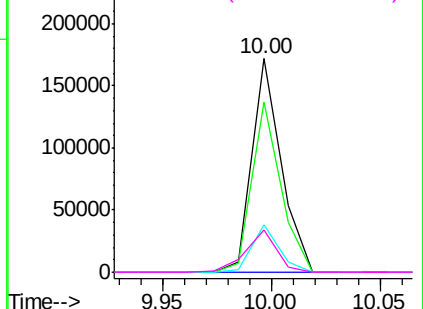
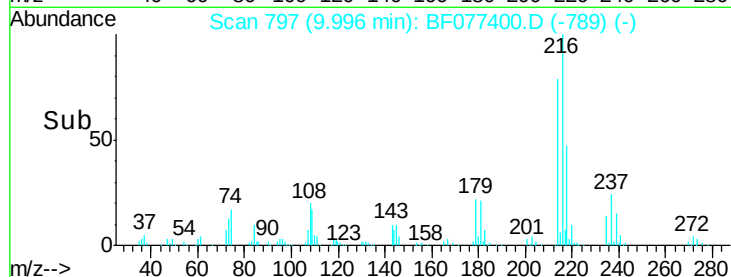


Abundance Ion 216.00 (215.70 to 216.70): E

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: 57.83 ng

RT: 9.98 min Scan# 796

Delta R.T. -0.00 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

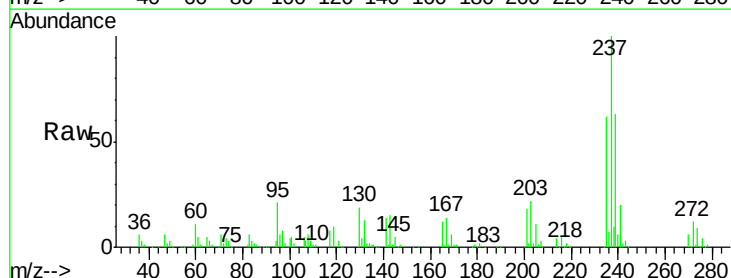
Tgt Ion:237 Resp: 152682

Ion Ratio Lower Upper

237 100

235 61.8 41.0 81.0

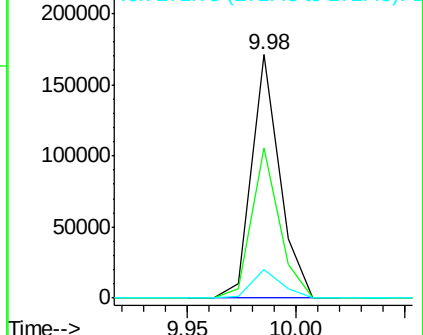
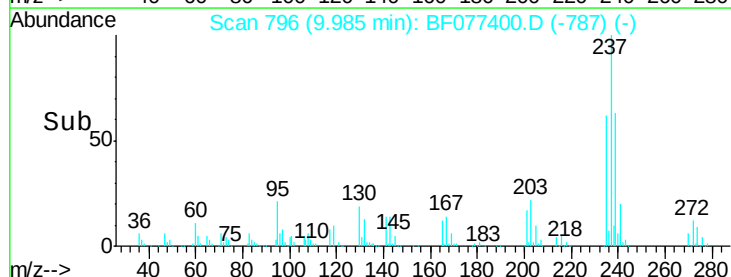
272 11.6 0.0 34.3

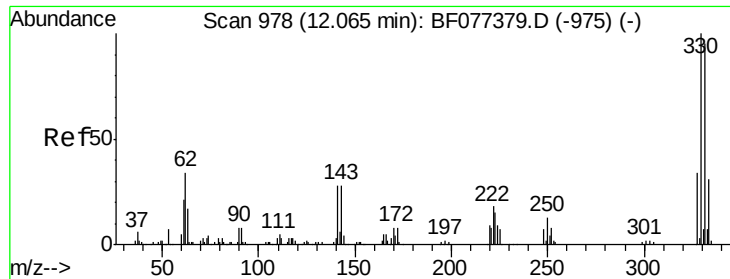


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

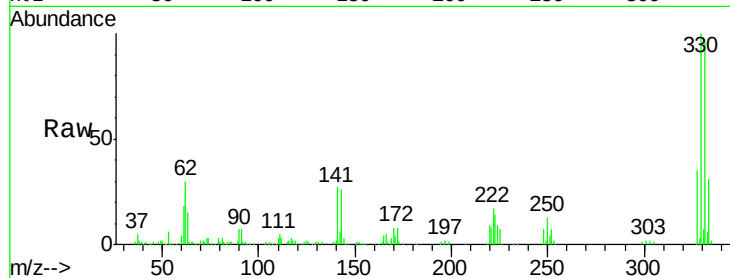




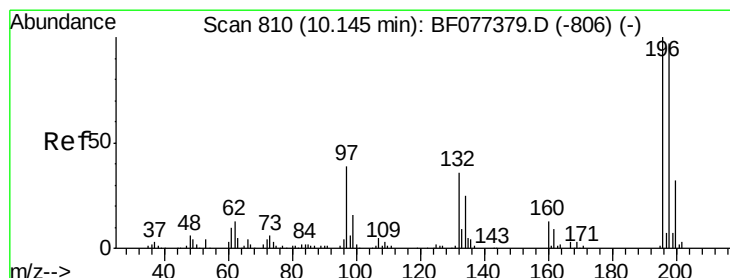
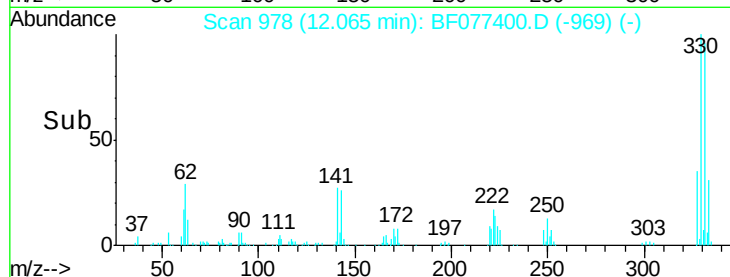
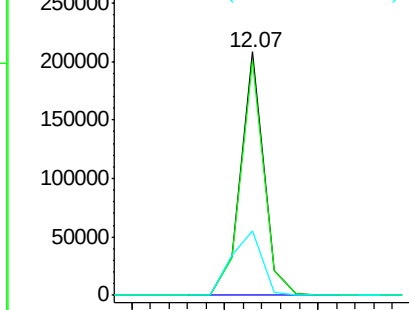
#41
 2,4,6-Tribromophenol
 Concen: 110.17 ng
 RT: 12.07 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: BF077400.D
 Acq: 23 Feb 2015 12:47

Instrument :
 BNA_F
 ClientSampleId :
 HF-1MSD

Tot Ion:330 Resp: 182027
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.4 116.2
 141 35.3 28.8 43.2

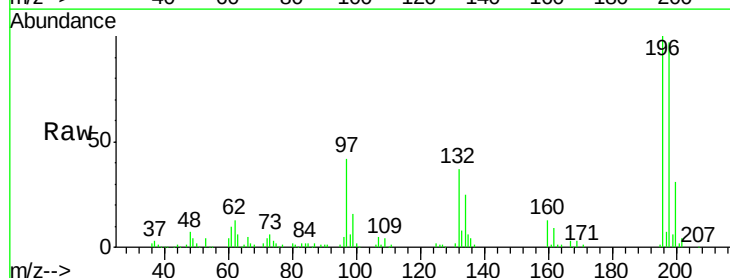


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

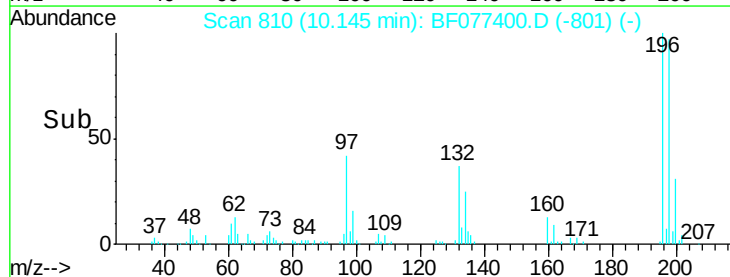
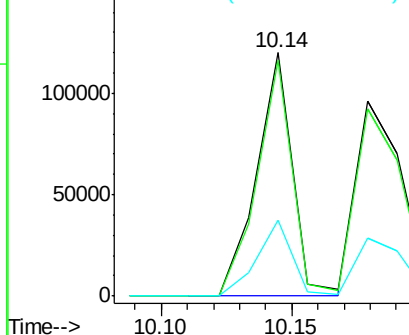


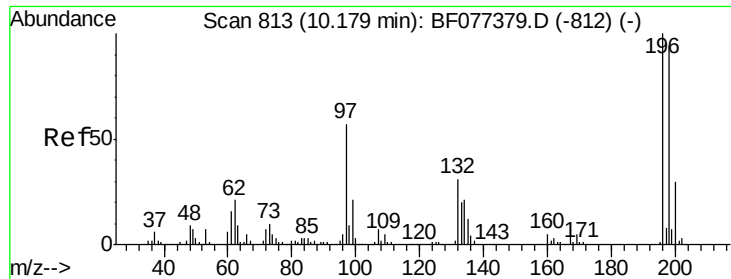
#42
 2,4,6-Trichlorophenol
 Concen: 35.21 ng
 RT: 10.14 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF077400.D
 Acq: 23 Feb 2015 12:47

Tgt Ion:196 Resp: 114818
 Ion Ratio Lower Upper
 196 100
 198 97.1 75.8 113.8
 200 31.4 24.2 36.4



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

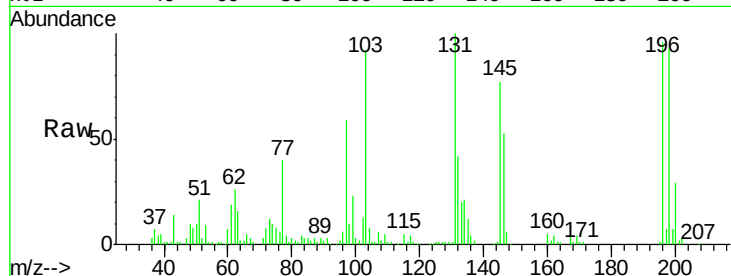




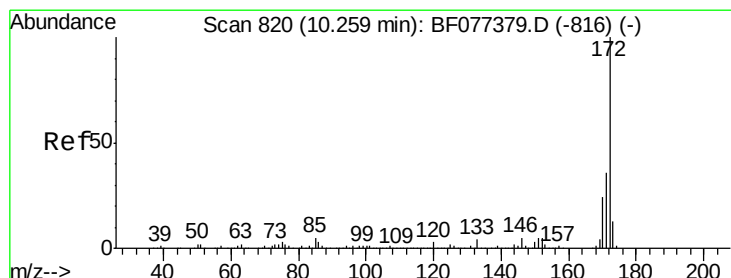
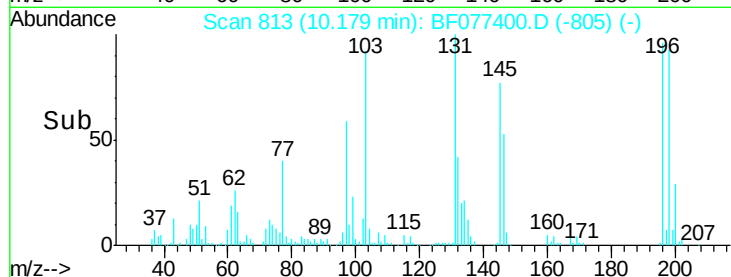
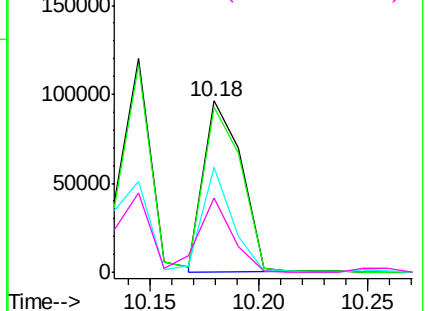
#43
2,4,5-Trichlorophenol
Concen: 33.18 ng
RT: 10.18 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF077400.D
Acq: 23 Feb 2015 12:47

Instrument :
BNA_F
ClientSampleId :
HF-1MSD

Tot Ion:196 Resp: 115694
Ion Ratio Lower Upper
196 100
198 96.3 77.2 115.8
97 61.6 27.7 41.5#
132 43.4 18.0 27.0#

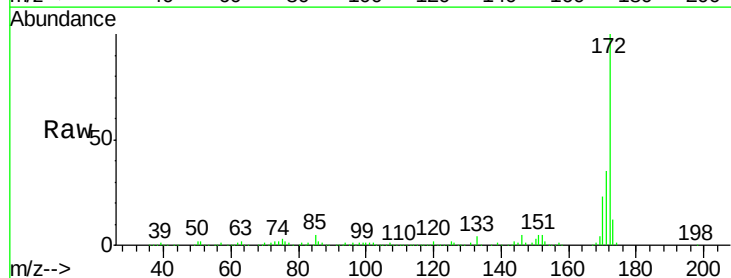


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BF0
Ion 132.00 (131.70 to 132.70): E

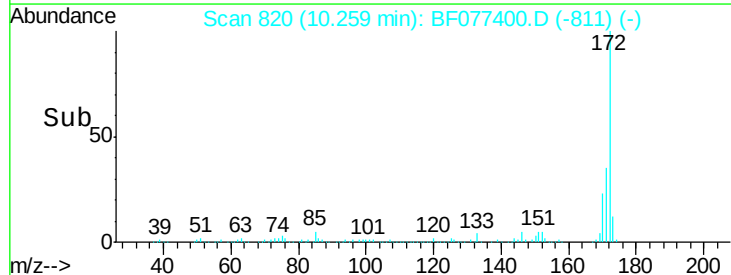
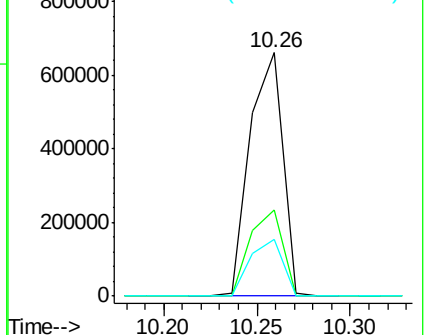


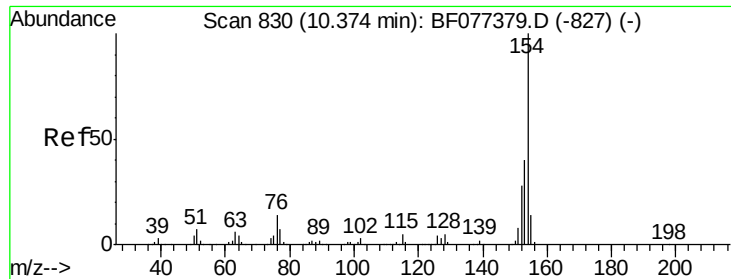
#44
2-Fluorobiphenyl
Concen: 73.13 ng
RT: 10.26 min Scan# 820
Delta R.T. -0.00 min
Lab File: BF077400.D
Acq: 23 Feb 2015 12:47

Tgt Ion:172 Resp: 804823
Ion Ratio Lower Upper
172 100
171 35.4 28.9 43.3
170 23.3 19.4 29.2



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

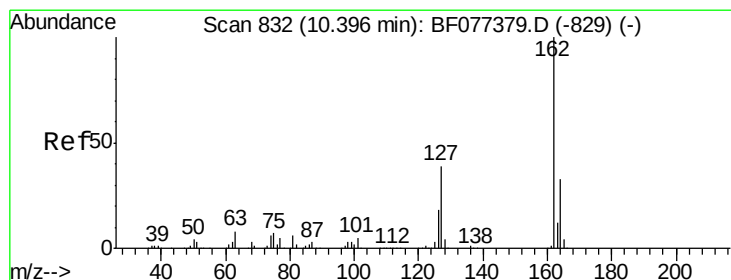
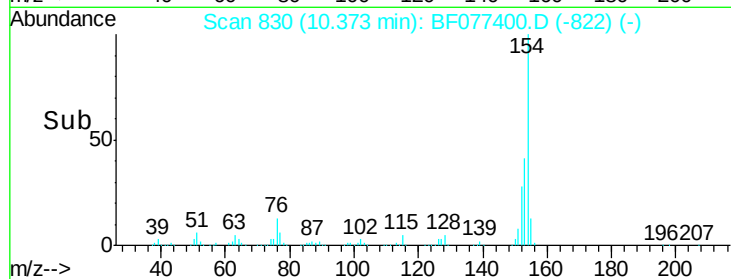
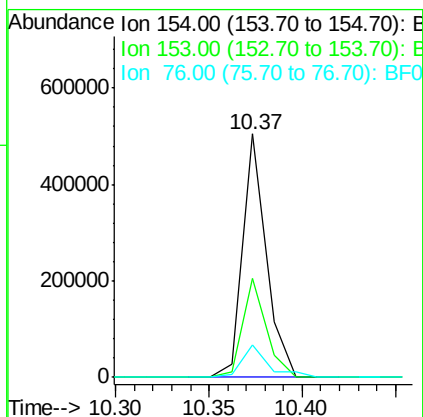
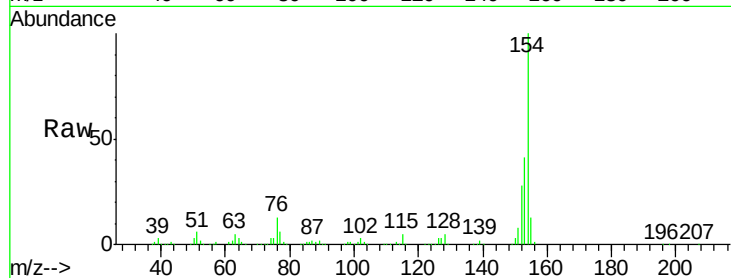




#45
 1,1'-Biphenyl
 Concen: 34.13 ng
 RT: 10.37 min Scan# 830
 Delta R.T. -0.01 min
 Lab File: BF077400.D
 Acq: 23 Feb 2015 12:47

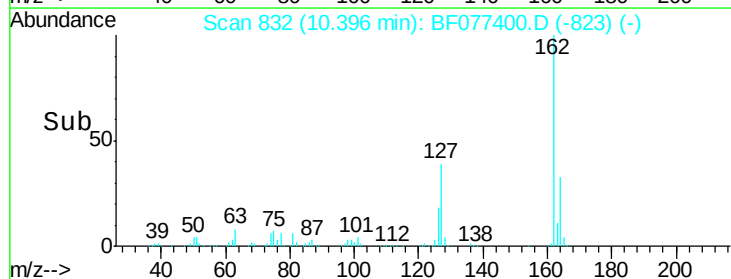
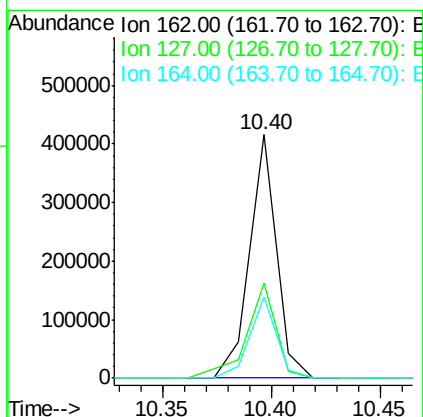
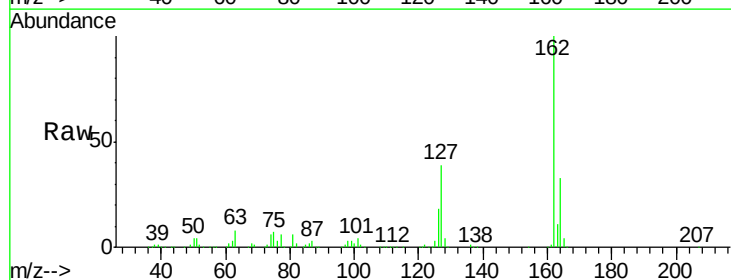
Instrument :
 BNA_F
 ClientSampleId :
 HF-1MSD

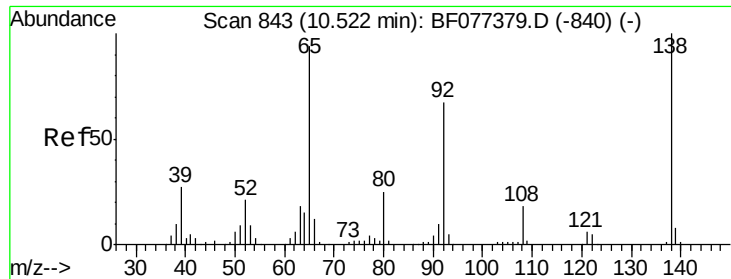
Tot Ion:154	Resp: 443755
Ion Ratio	Lower Upper
154 100	
153 40.5	20.2 60.2
76 13.5	0.0 29.4



#46
 2-Chloronaphthalene
 Concen: 35.02 ng
 RT: 10.40 min Scan# 832
 Delta R.T. -0.00 min
 Lab File: BF077400.D
 Acq: 23 Feb 2015 12:47

Tgt Ion:162	Resp: 357017
Ion Ratio	Lower Upper
162 100	
127 39.1	33.3 49.9
164 33.3	26.2 39.4

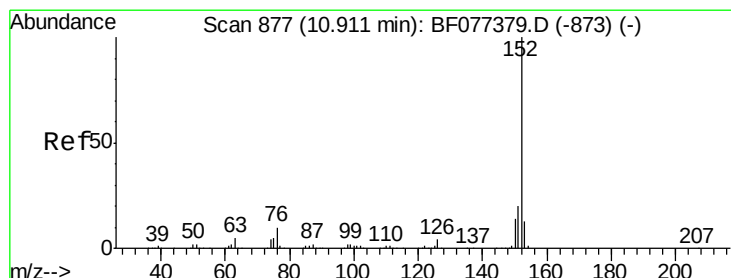
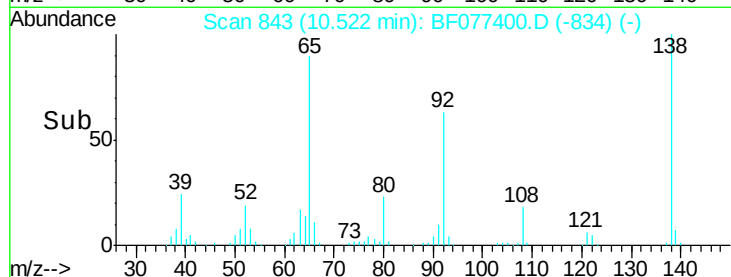
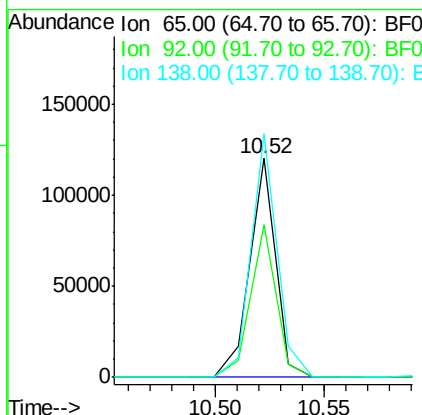
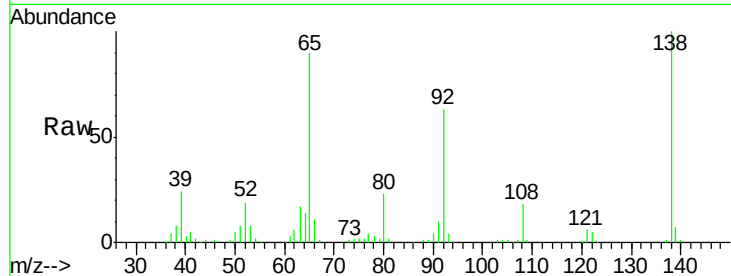




#47
2-Nitroaniline
Concen: 39.61 ng
RT: 10.52 min Scan# 843
Delta R.T. -0.00 min
Lab File: BF077400.D
Acq: 23 Feb 2015 12:47

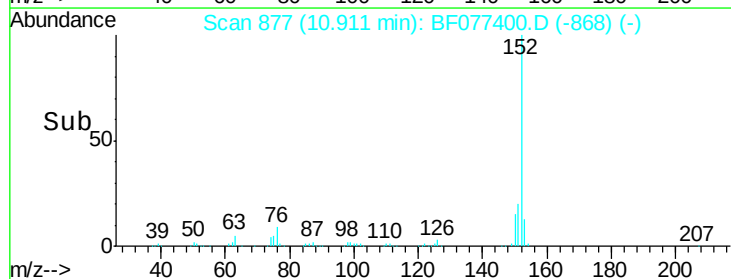
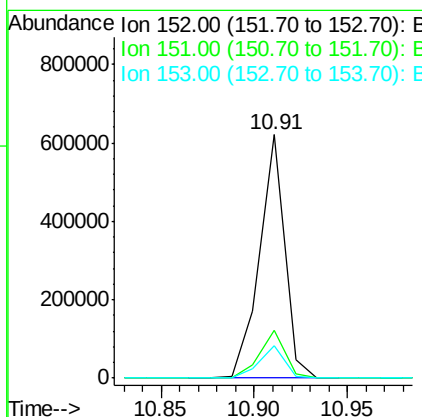
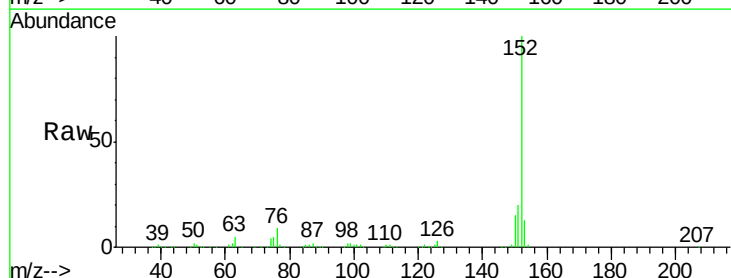
Instrument :
BNA_F
ClientSampleId :
HF-1MSD

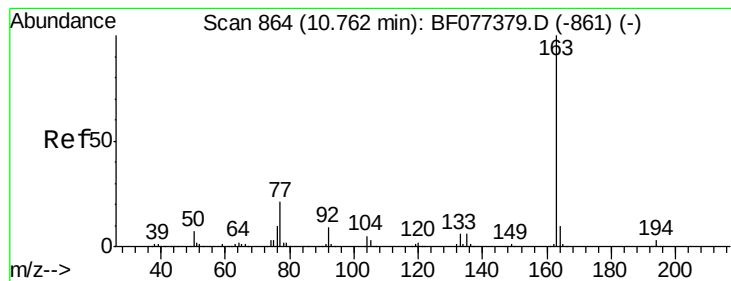
Tot Ion: 65 Resp: 99400
Ion Ratio Lower Upper
65 100
92 69.9 52.4 78.6
138 111.3 73.4 110.0#



#48
Acenaphthylene
Concen: 35.75 ng
RT: 10.91 min Scan# 877
Delta R.T. -0.00 min
Lab File: BF077400.D
Acq: 23 Feb 2015 12:47

Tgt Ion: 152 Resp: 577008
Ion Ratio Lower Upper
152 100
151 19.7 16.1 24.1
153 13.4 10.9 16.3





#49

Dimethylphthalate

Concen: 40.06 ng

RT: 10.76 min Scan# 864

Delta R.T. -0.01 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

Instrument :

BNA_F

ClientSampleId :

HF-1MSD

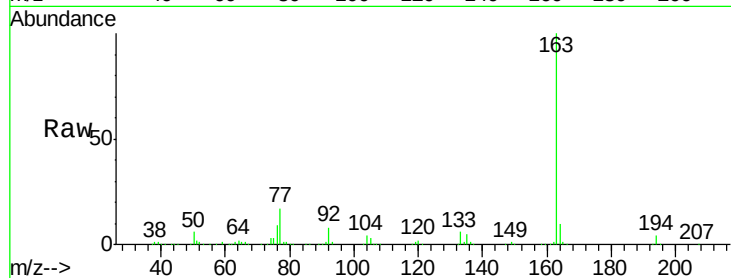
Tot Ion:163 Resp: 483226

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

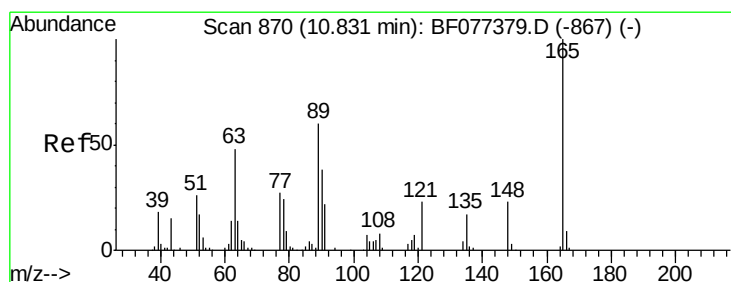
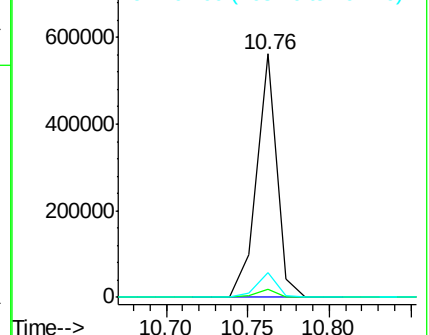
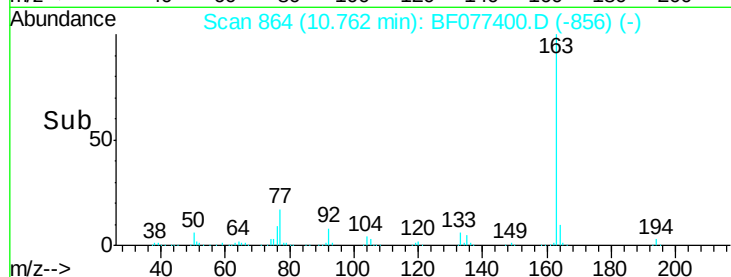
164 10.1 8.6 13.0



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: 37.16 ng

RT: 10.83 min Scan# 870

Delta R.T. -0.01 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

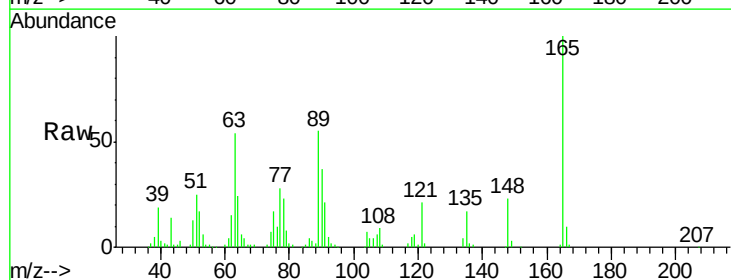
Tgt Ion:165 Resp: 89891

Ion Ratio Lower Upper

165 100

63 53.6 25.2 37.8#

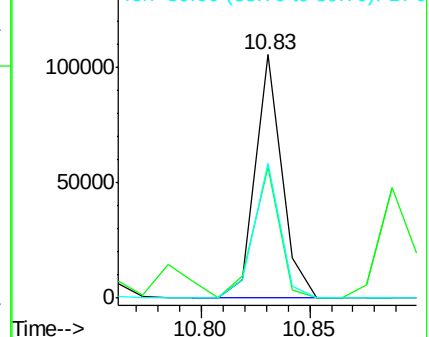
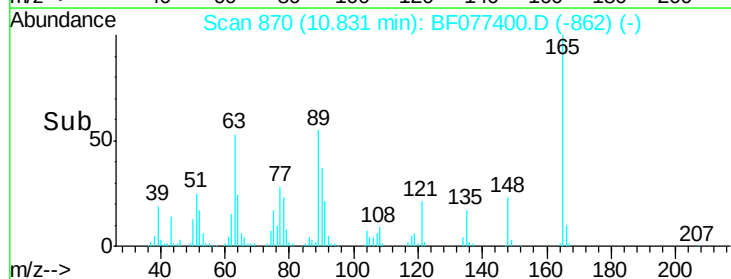
89 55.4 30.5 45.7#

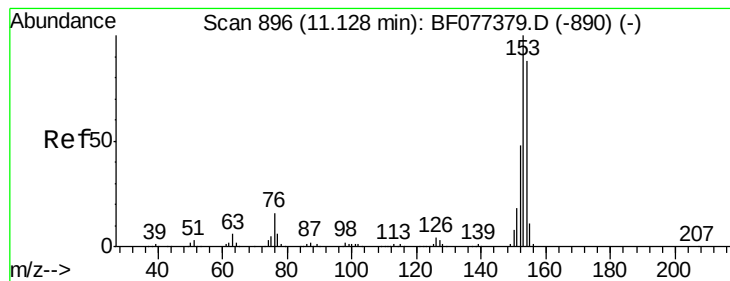


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 34.87 ng

RT: 11.13 min Scan# 896

Delta R.T. -0.00 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

Instrument :

BNA_F

ClientSampleId :

HF-1MSD

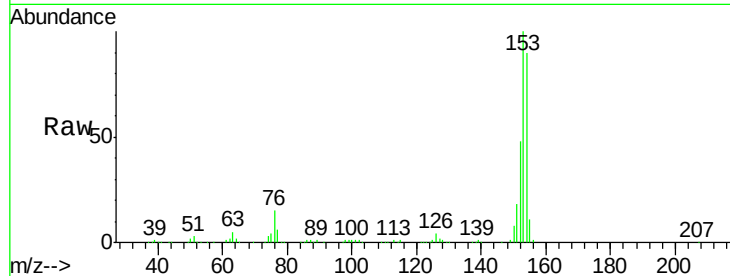
Tot Ion:154 Resp: 335842

Ion Ratio Lower Upper

154 100

153 111.4 90.5 135.7

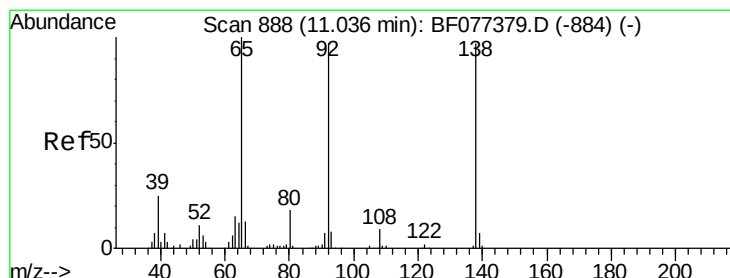
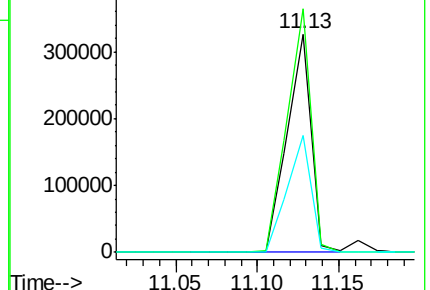
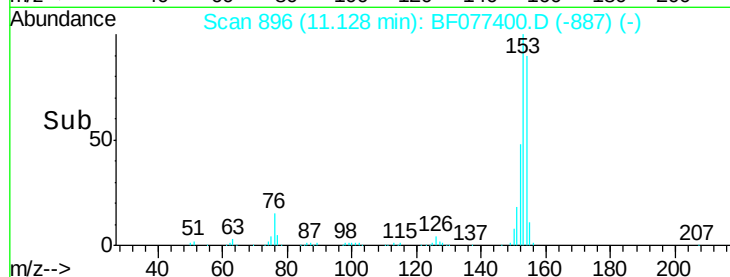
152 53.8 43.5 65.3



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: 20.69 ng

RT: 11.04 min Scan# 888

Delta R.T. -0.00 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

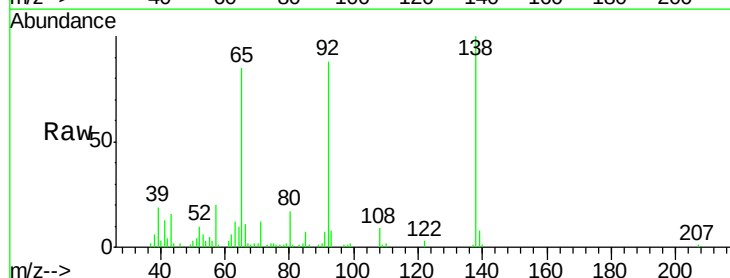
Tgt Ion:138 Resp: 57688

Ion Ratio Lower Upper

138 100

108 9.2 7.8 11.8

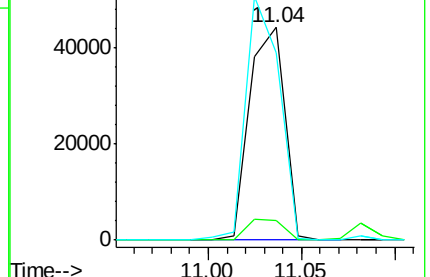
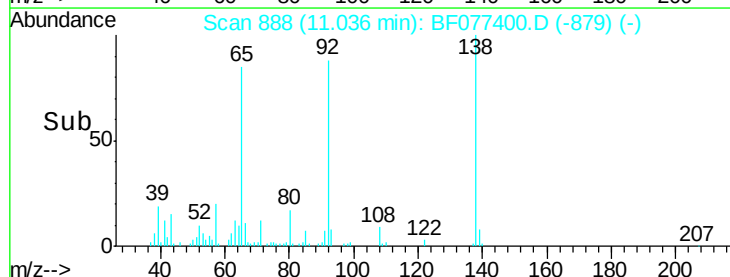
92 88.1 90.6 135.8#

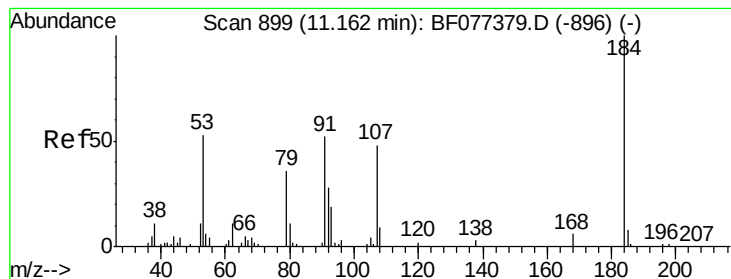


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 34.58 ng

RT: 11.16 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

Instrument :

BNA_F

ClientSampleId :

HF-1MSD

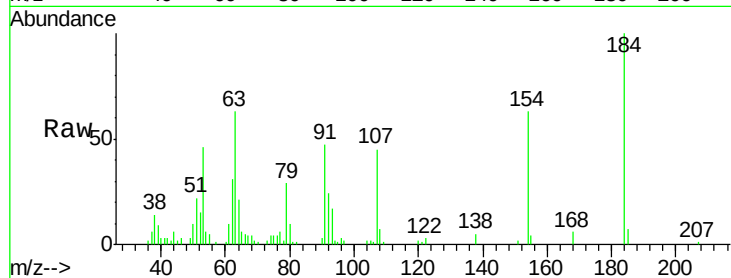
Tot Ion:184 Resp: 25451

Ion Ratio Lower Upper

184 100

63 62.9 29.5 44.3#

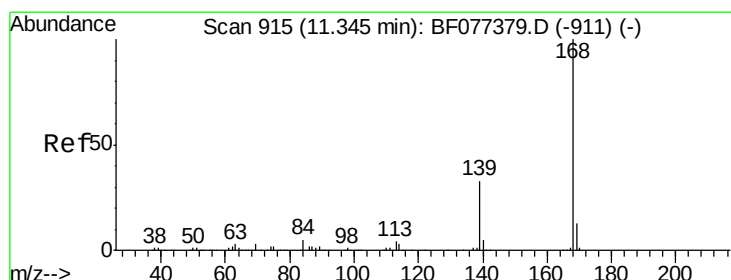
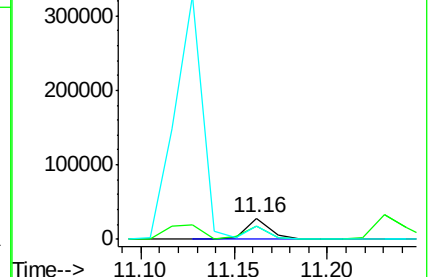
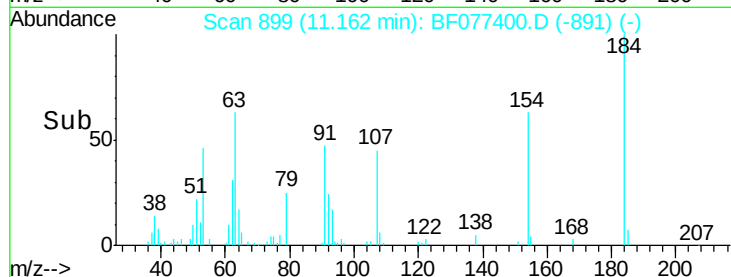
154 63.2 43.2 64.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 35.18 ng

RT: 11.34 min Scan# 915

Delta R.T. -0.00 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

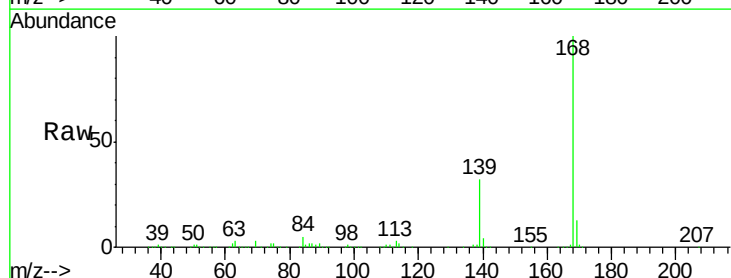
Tgt Ion:168 Resp: 523133

Ion Ratio Lower Upper

168 100

139 32.3 29.3 43.9

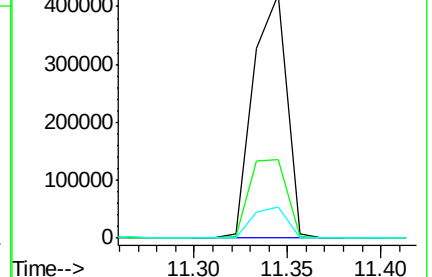
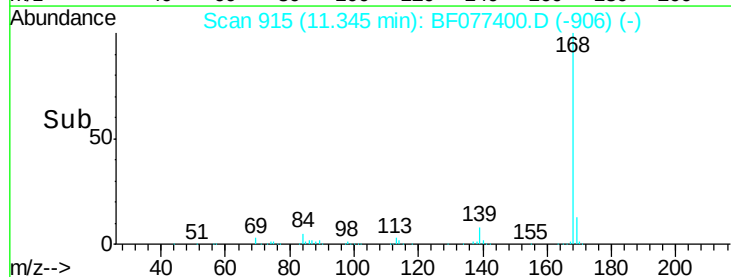
169 12.6 10.9 16.3

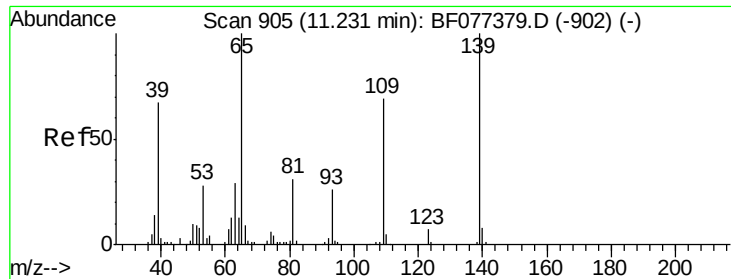


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

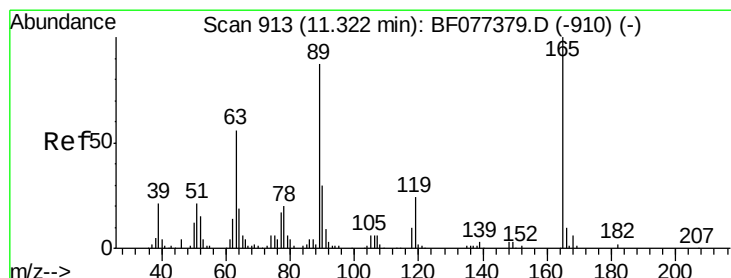
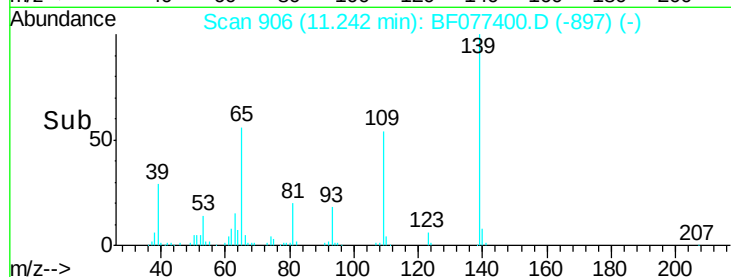
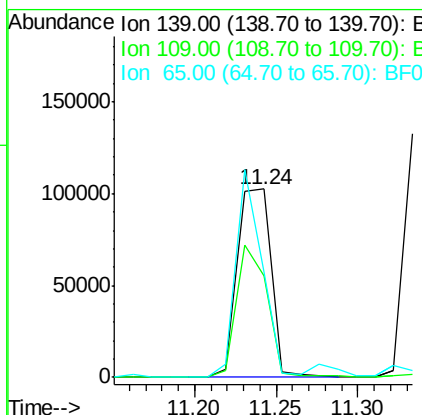
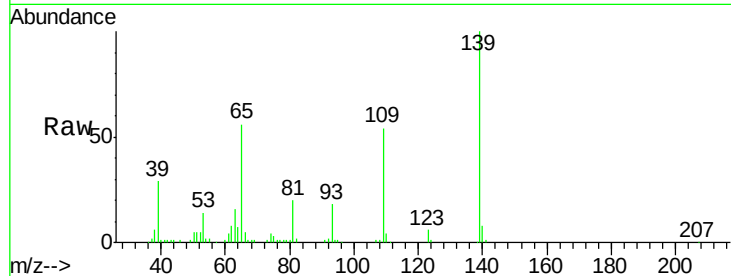




#55
4-Nitrophenol
Concen: 65.28 ng
RT: 11.24 min Scan# 906
Delta R.T. -0.00 min
Lab File: BF077400.D
Acq: 23 Feb 2015 12:47

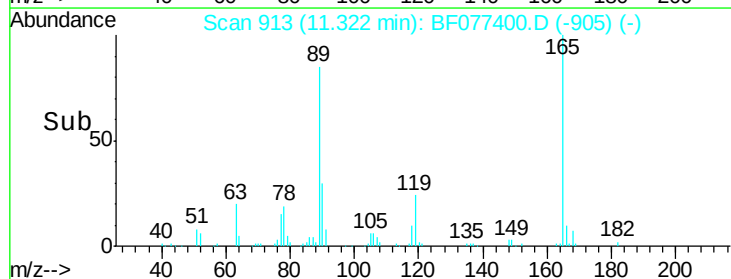
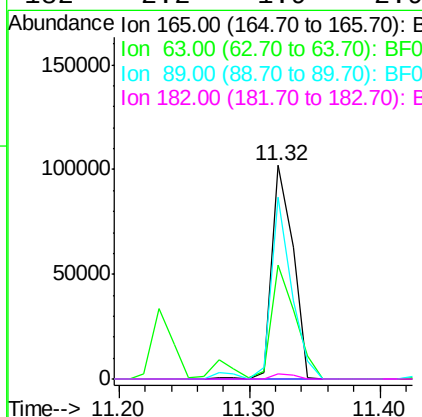
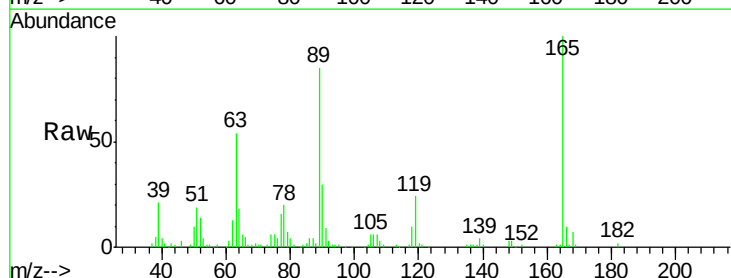
Instrument :
BNA_F
ClientSampleId :
HF-1MSD

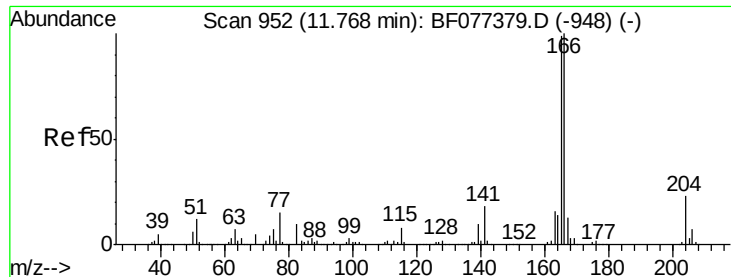
Tot Ion:139 Resp: 146430
Ion Ratio Lower Upper
139 100
109 54.1 36.2 76.2
65 56.0 40.3 80.3



#56
2,4-Dinitrotoluene
Concen: 35.78 ng
RT: 11.32 min Scan# 913
Delta R.T. -0.01 min
Lab File: BF077400.D
Acq: 23 Feb 2015 12:47

Tgt Ion:165 Resp: 116952
Ion Ratio Lower Upper
165 100
63 53.6 29.8 44.8#
89 85.2 48.5 72.7#
182 2.2 1.9 2.9

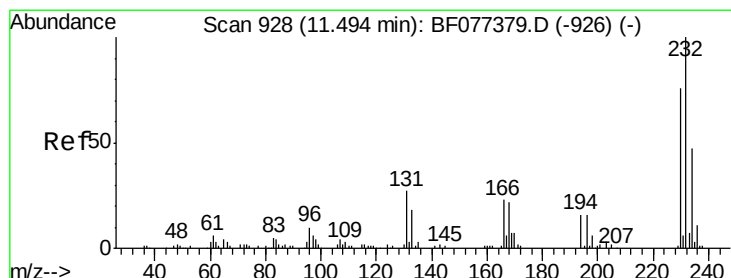
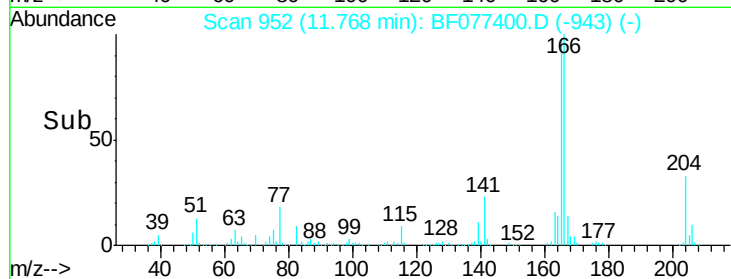
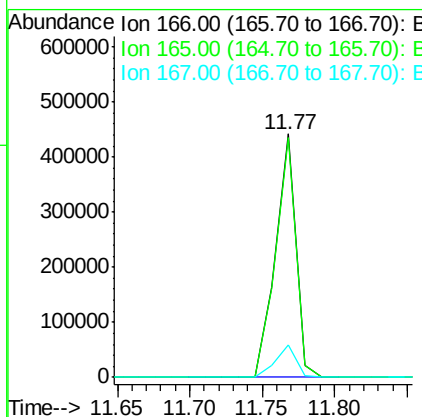
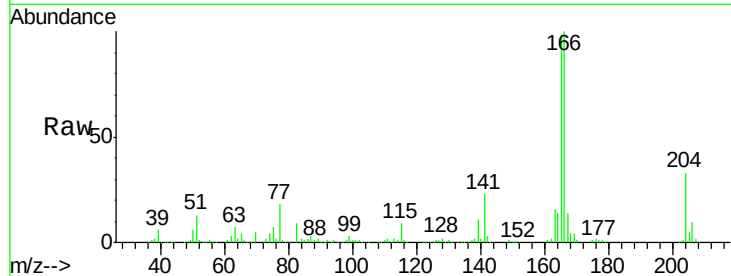




#57
 Fluorene
 Concen: 36.26 ng
 RT: 11.77 min Scan# 952
 Delta R.T. -0.00 min
 Lab File: BF077400.D
 Acq: 23 Feb 2015 12:47

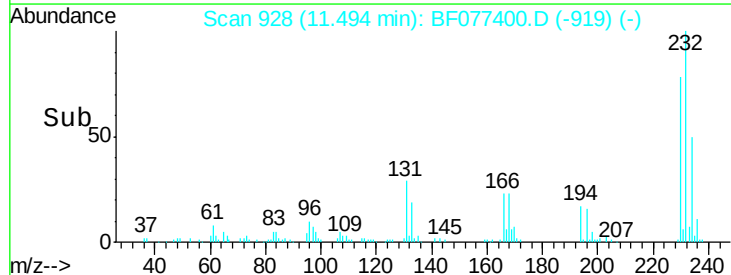
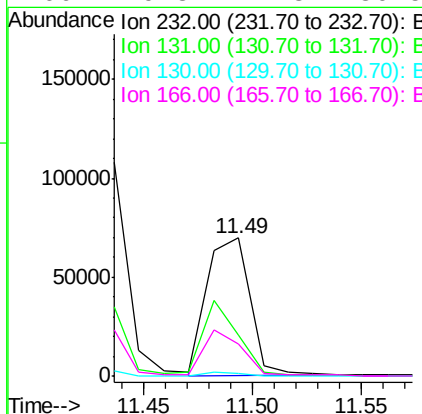
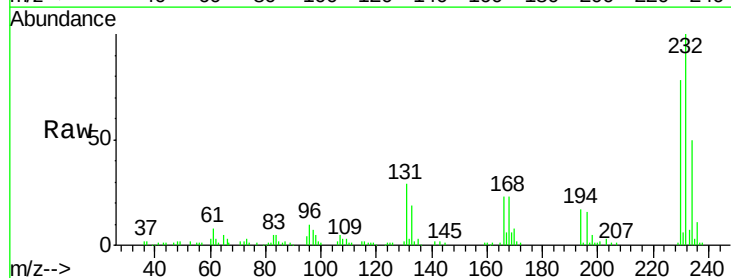
Instrument :
 BNA_F
 ClientSampleId :
 HF-1MSD

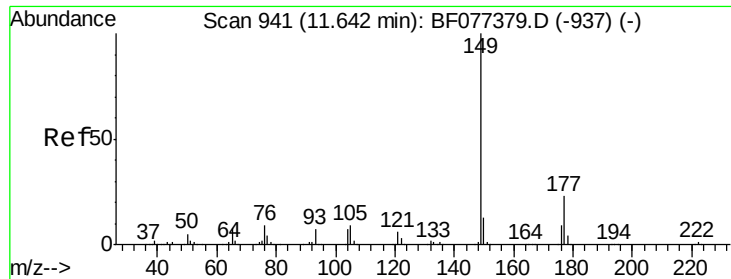
Tot Ion:166 Resp: 431122
 Ion Ratio Lower Upper
 166 100
 165 98.4 77.6 116.4
 167 13.6 10.6 16.0



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 34.02 ng
 RT: 11.49 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: BF077400.D
 Acq: 23 Feb 2015 12:47

Tgt Ion:232 Resp: 95356
 Ion Ratio Lower Upper
 232 100
 131 44.9 34.2 51.2
 130 2.1 1.8 2.6
 166 29.3 24.3 36.5

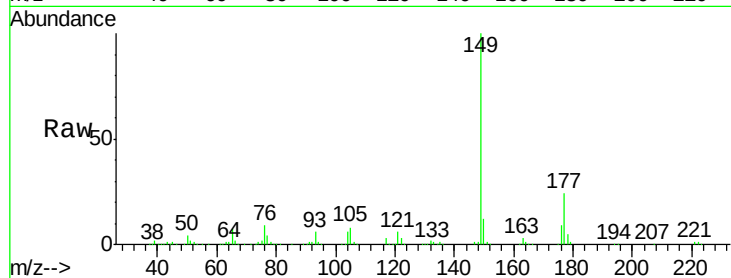




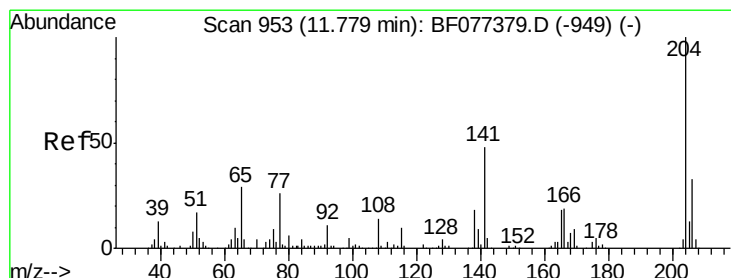
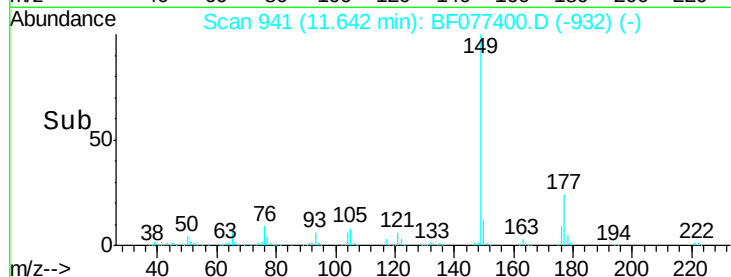
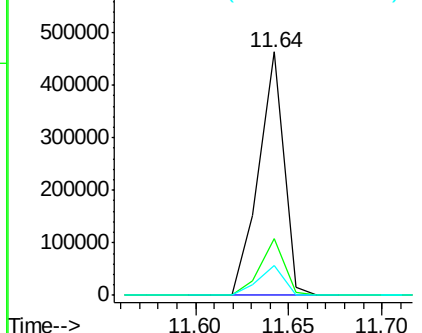
#59
Diethylphthalate
Concen: 36.39 ng
RT: 11.64 min Scan# 941
Delta R.T. -0.00 min
Lab File: BF077400.D
Acq: 23 Feb 2015 12:47

Instrument :
BNA_F
ClientSampleId :
HF-1MSD

Tot Ion:149 Resp: 432788
Ion Ratio Lower Upper
149 100
177 23.5 17.2 25.8
150 12.0 10.5 15.7

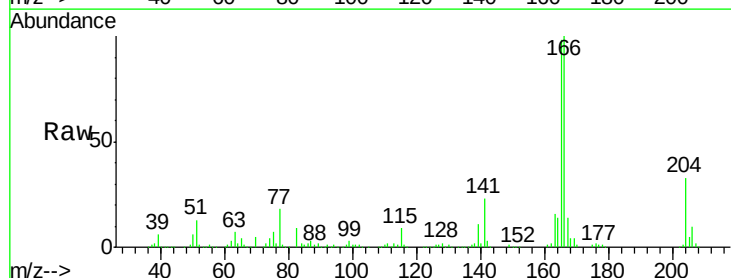


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

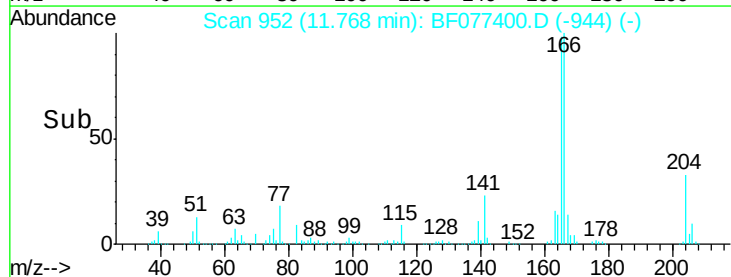
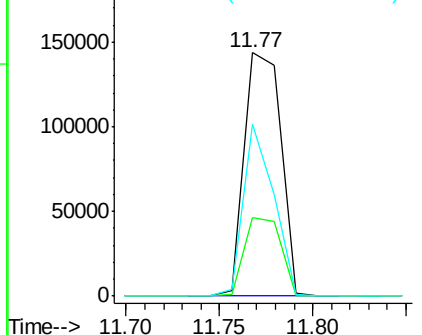


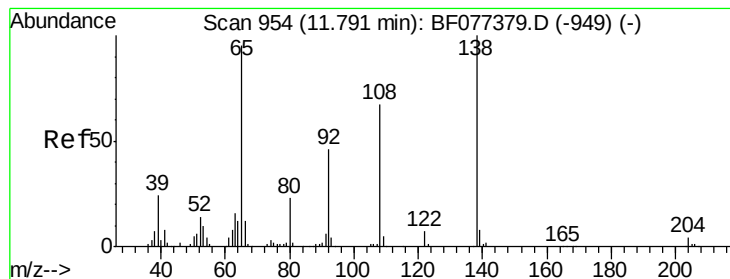
#60
4-Chlorophenyl-phenylether
Concen: 34.18 ng
RT: 11.77 min Scan# 952
Delta R.T. -0.01 min
Lab File: BF077400.D
Acq: 23 Feb 2015 12:47

Tgt Ion:204 Resp: 195828
Ion Ratio Lower Upper
204 100
206 32.1 25.9 38.9
141 70.8 43.6 65.4#



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





#61

4-Nitroaniline

Concen: 32.39 ng

RT: 11.79 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

Instrument :

BNA_F

ClientSampleId :

HF-1MSD

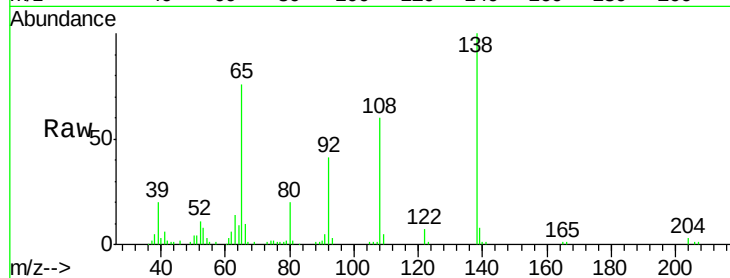
Tot Ion:138 Resp: 86583

Ion Ratio Lower Upper

138 100

92 41.1 32.8 72.8

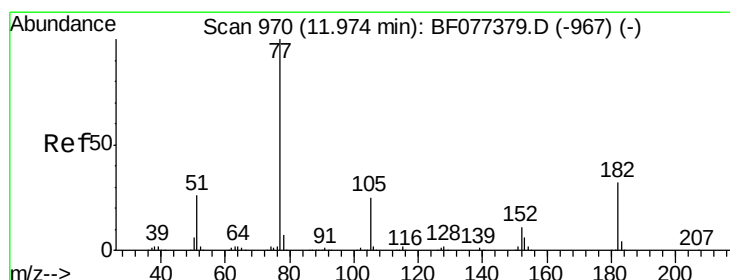
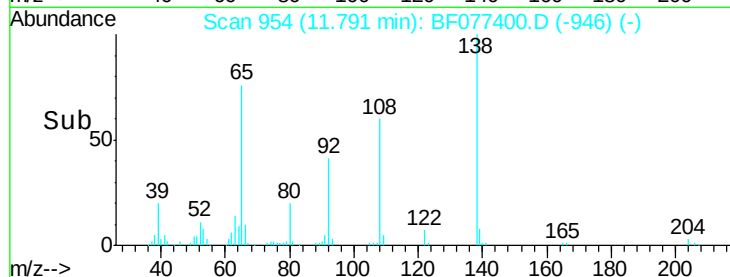
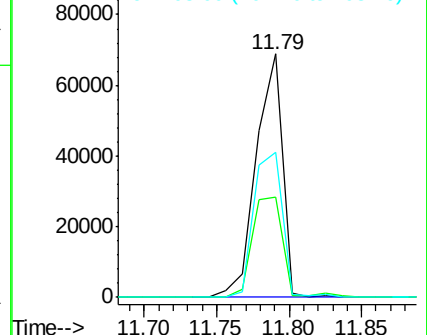
108 59.6 52.1 92.1



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: 36.99 ng

RT: 11.97 min Scan# 970

Delta R.T. -0.00 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

Tgt Ion: 77 Resp: 417372

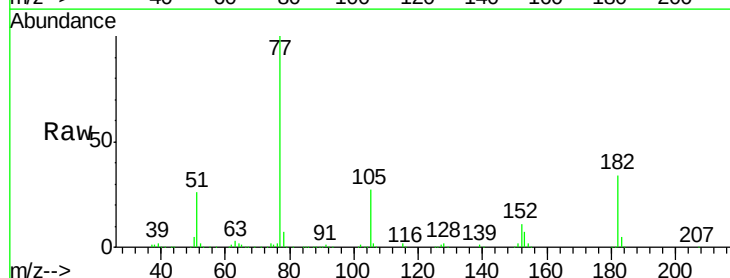
Ion Ratio Lower Upper

77 100

182 34.3 4.9 44.9

105 27.2 3.3 43.3

51 26.4 8.9 48.9

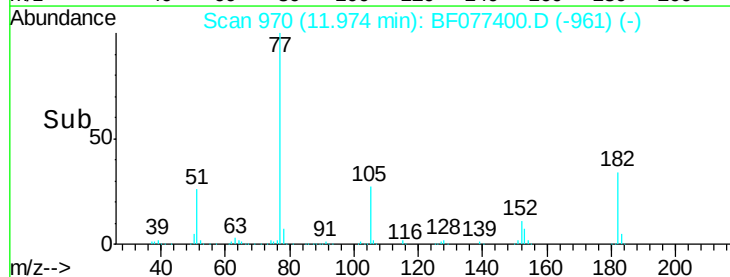
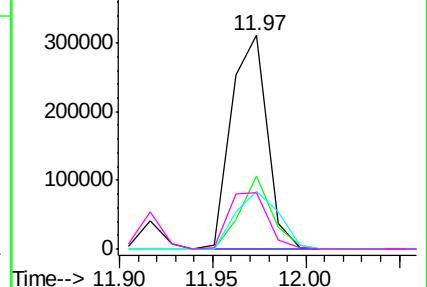


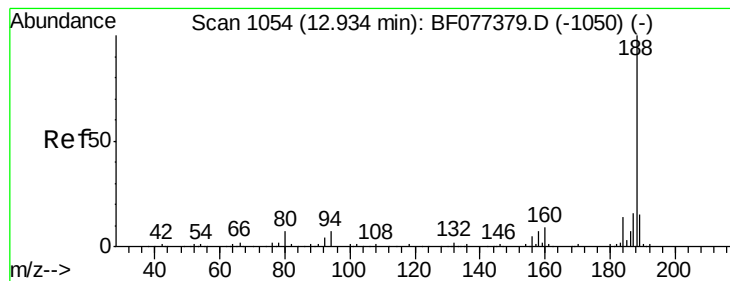
Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 12.93 min Scan# 1054

Delta R.T. -0.00 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

Instrument :

BNA_F

ClientSampleId :

HF-1MSD

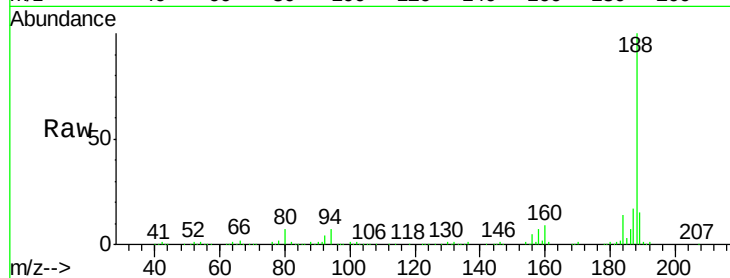
Tot Ion:188 Resp: 349904

Ion Ratio Lower Upper

188 100

94 6.6 7.4 11.2#

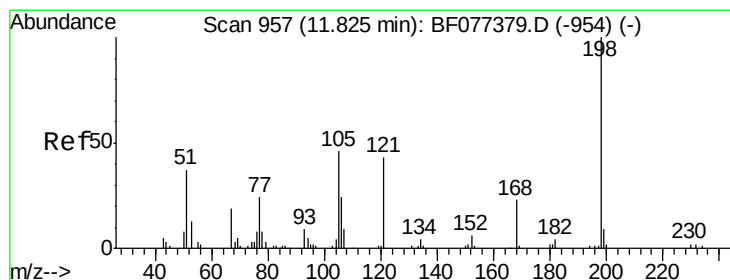
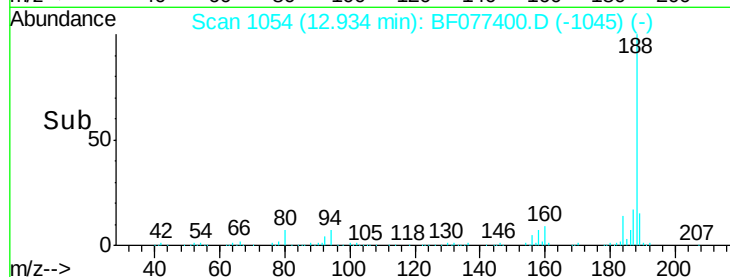
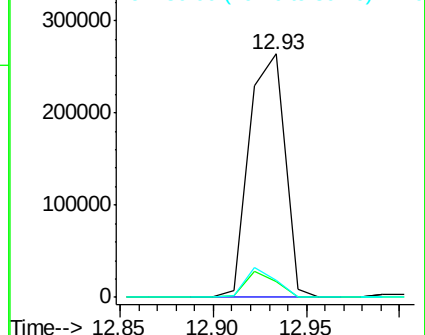
80 6.8 8.0 12.0#



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: 27.36 ng

RT: 11.82 min Scan# 957

Delta R.T. -0.01 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

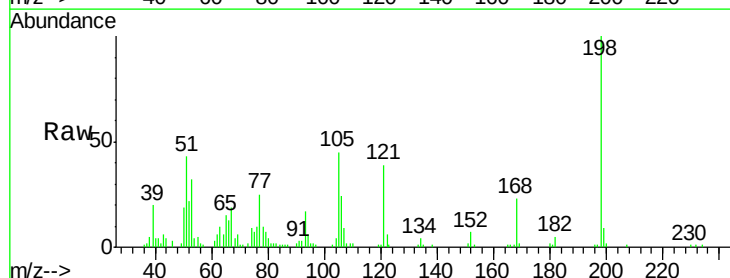
Tgt Ion:198 Resp: 35779

Ion Ratio Lower Upper

198 100

51 43.5 2.7 42.7#

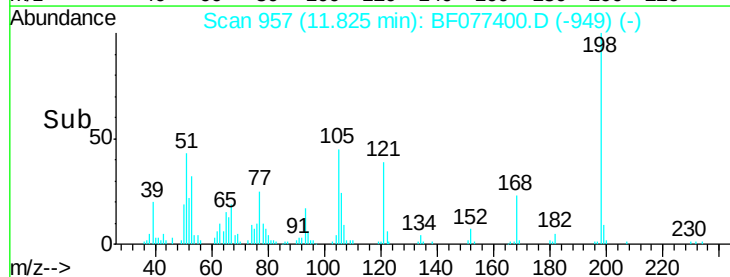
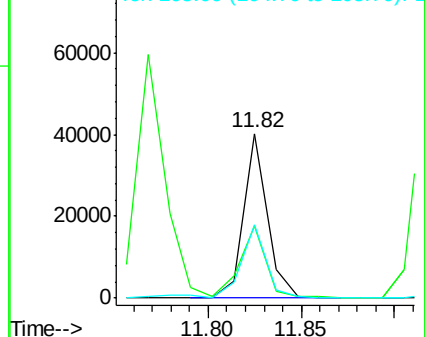
105 44.8 10.0 50.0

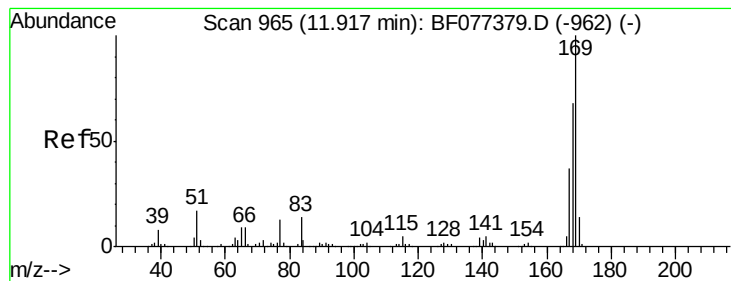


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

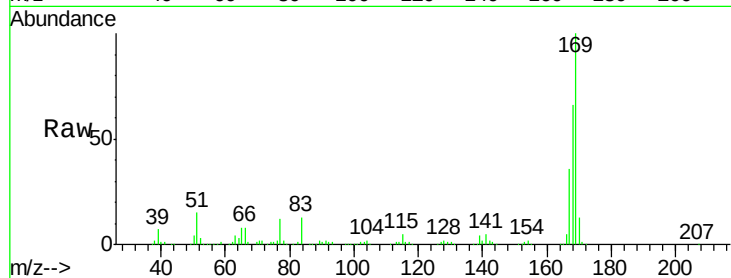




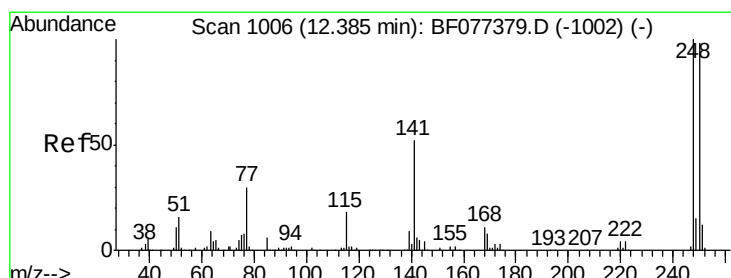
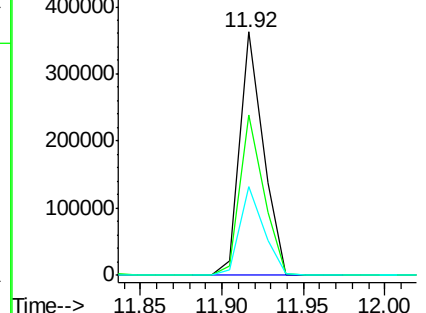
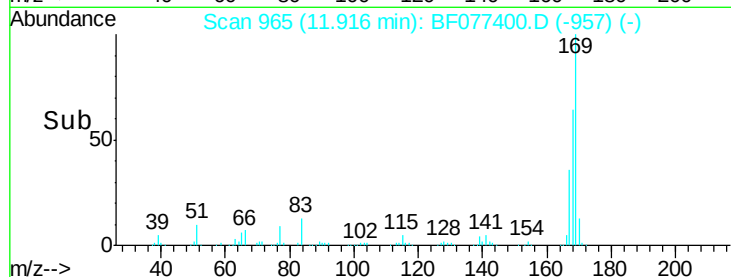
#65
 n-Nitrosodiphenylamine
 Concen: 30.92 ng
 RT: 11.92 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: BF077400.D
 Acq: 23 Feb 2015 12:47

Instrument :
 BNA_F
 ClientSampleId :
 HF-1MSD

Tot Ion	169	Resp	358987
Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.0	79.6
167	36.3	29.5	44.3

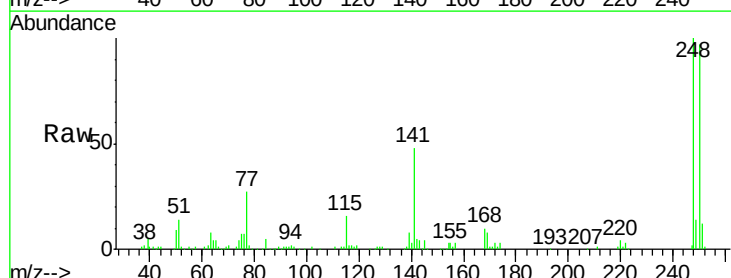


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

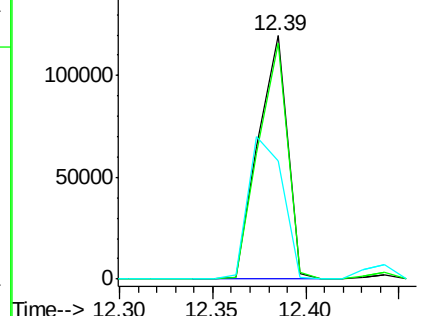
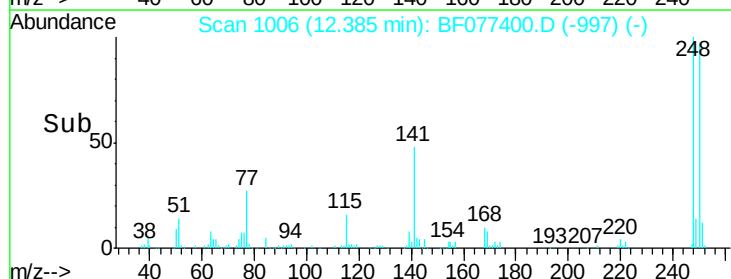


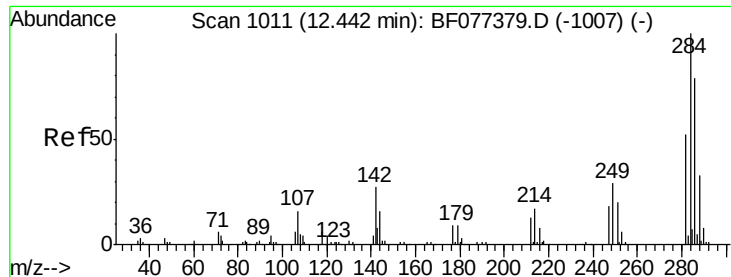
#66
 4-Bromophenyl-phenylether
 Concen: 31.58 ng
 RT: 12.39 min Scan# 1006
 Delta R.T. -0.00 min
 Lab File: BF077400.D
 Acq: 23 Feb 2015 12:47

Tgt Ion	248	Resp	129387
Ion	Ratio	Lower	Upper
248	100		
250	97.0	78.0	117.0
141	48.5	54.1	81.1#



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: 30.24 ng

RT: 12.44 min Scan# 1011

Delta R.T. -0.00 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

Instrument :

BNA_F

ClientSampleId :

HF-1MSD

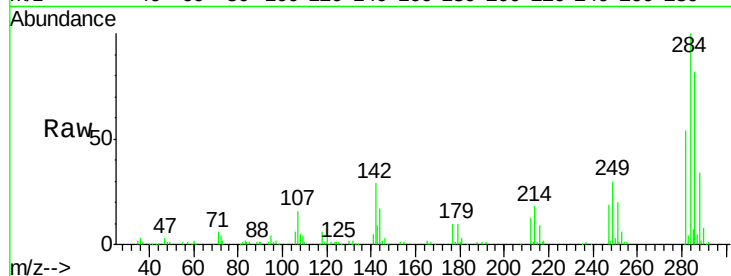
Tot Ion:284 Resp: 133010

Ion Ratio Lower Upper

284 100

142 29.0 31.6 47.4#

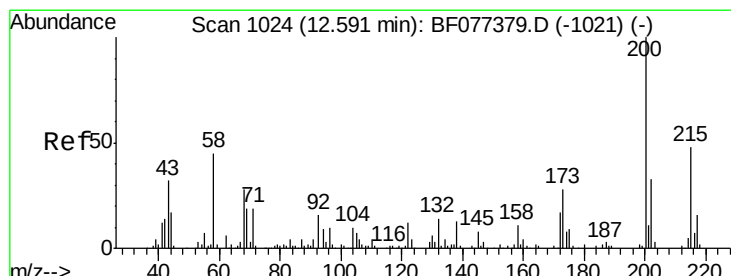
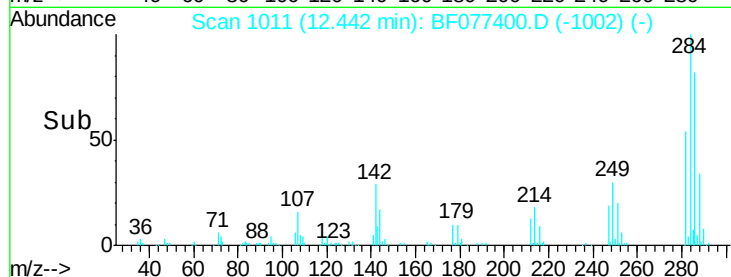
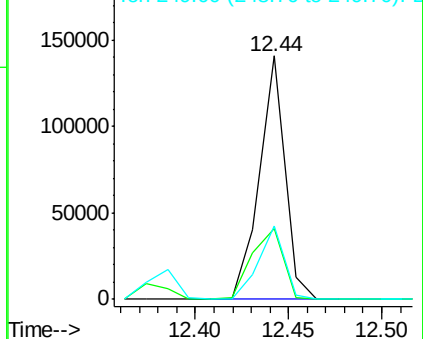
249 30.2 27.0 40.4



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: 32.22 ng

RT: 12.59 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

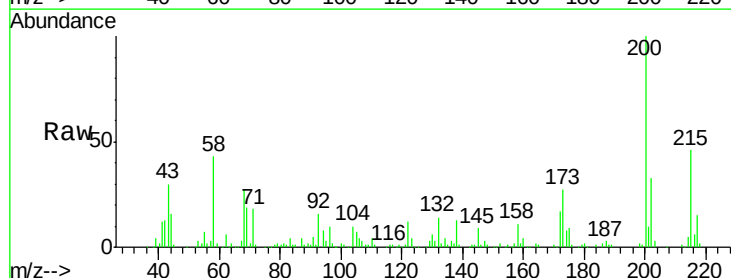
Tgt Ion:200 Resp: 121614

Ion Ratio Lower Upper

200 100

173 27.1 9.6 49.6

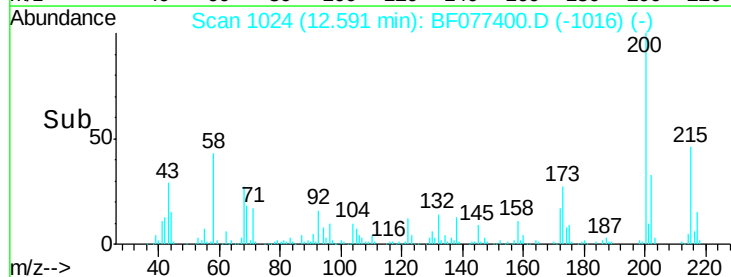
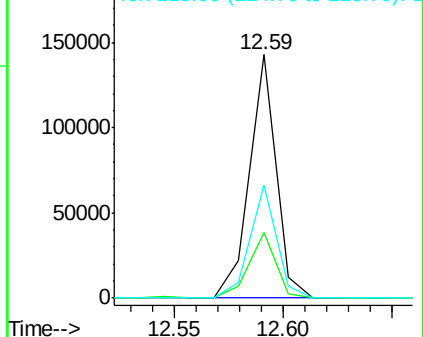
215 46.4 24.4 64.4

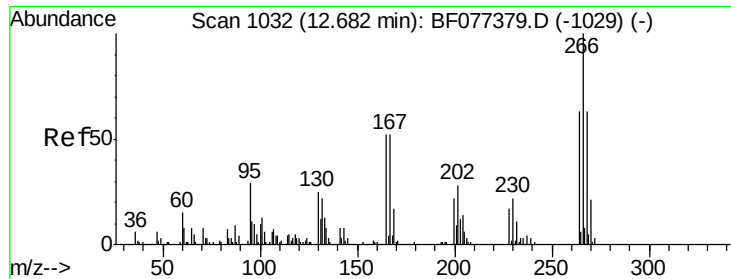


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

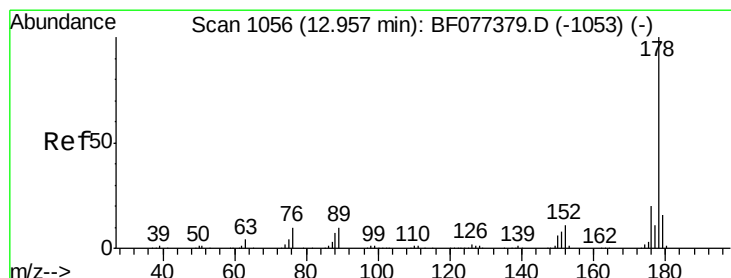
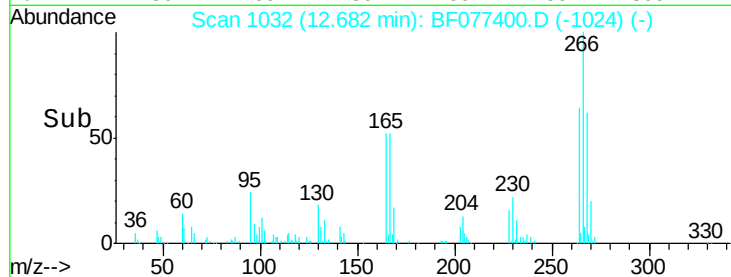
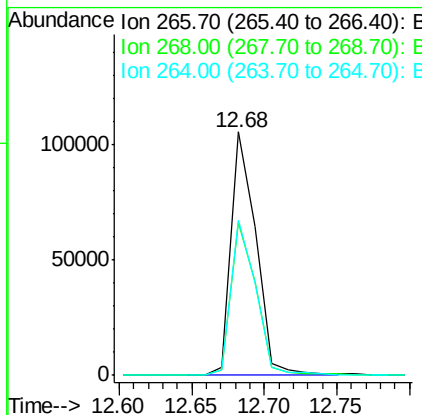
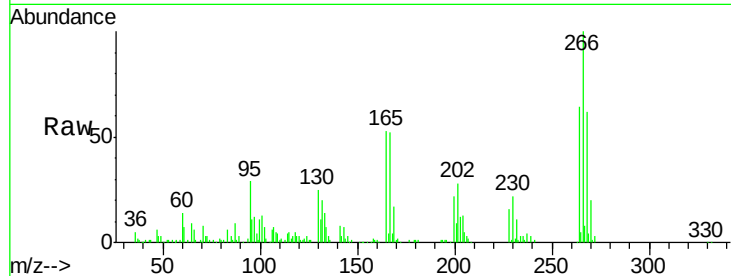




#69
 Pentachlorophenol
 Concen: 54.70 ng
 RT: 12.68 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: BF077400.D
 Acq: 23 Feb 2015 12:47

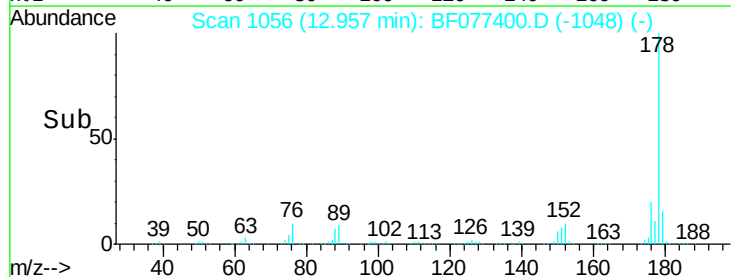
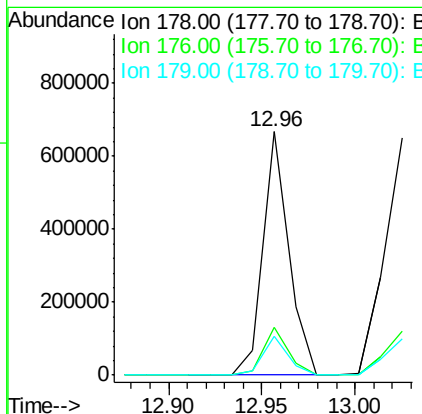
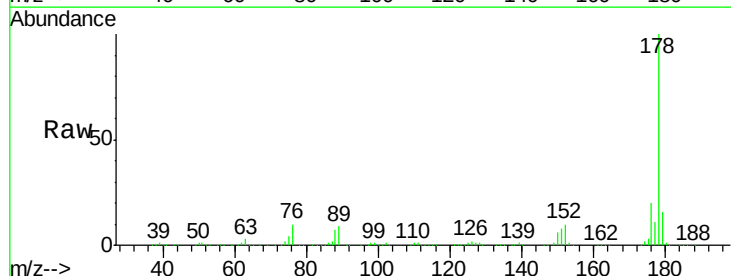
Instrument :
 BNA_F
 ClientSampleId :
 HF-1MSD

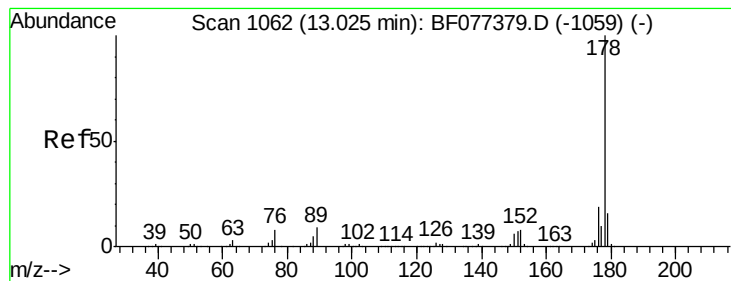
Tot Ion	Ratio	Lower	Upper
266	100		
268	62.5	51.2	76.8
264	63.6	50.7	76.1



#70
 Phenanthrene
 Concen: 31.36 ng
 RT: 12.96 min Scan# 1056
 Delta R.T. -0.01 min
 Lab File: BF077400.D
 Acq: 23 Feb 2015 12:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	16.0	12.2	18.2





#71

Anthracene

Concen: 32.47 ng

RT: 13.03 min Scan# 1062

Delta R.T. -0.00 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

Instrument :

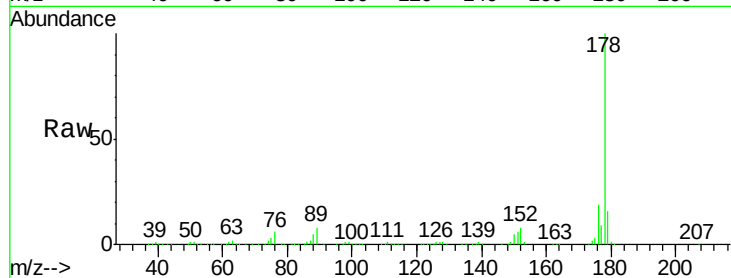
BNA_F

ClientSampleId :

HF-1MSD

Tot Ion:178 Resp: 653540

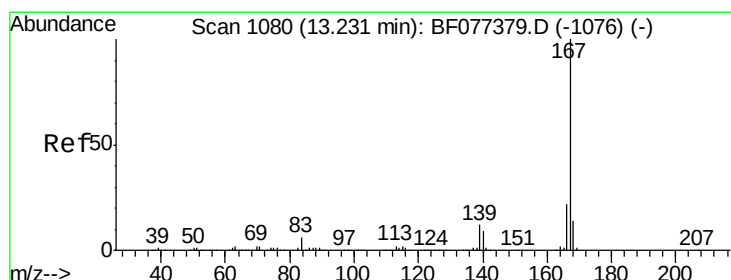
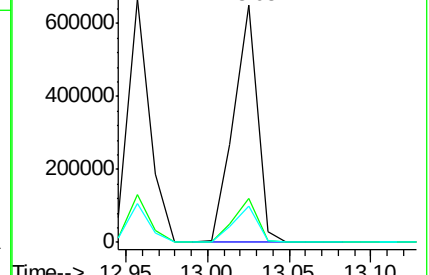
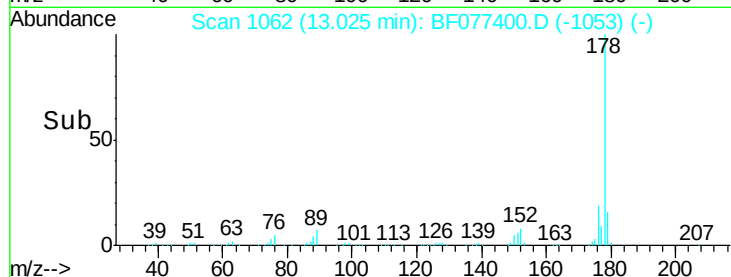
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.5	12.9	19.3



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: 31.16 ng

RT: 13.22 min Scan# 1079

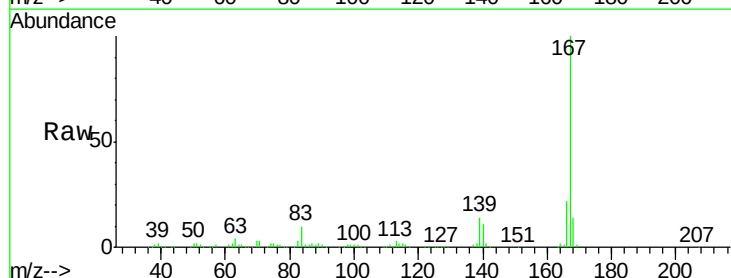
Delta R.T. -0.01 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

Tgt Ion:167 Resp: 596315

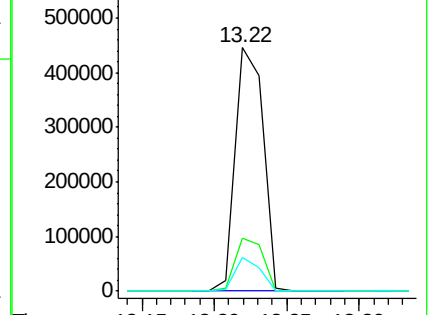
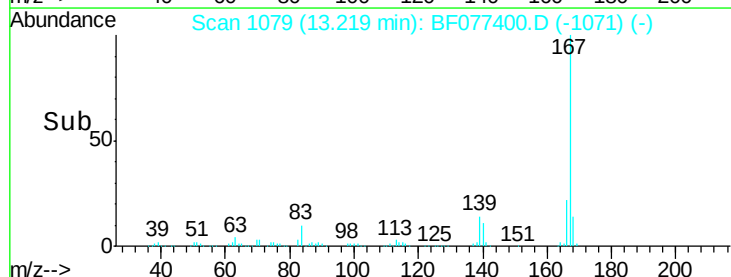
Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.6	26.4
139	13.8	9.9	14.9

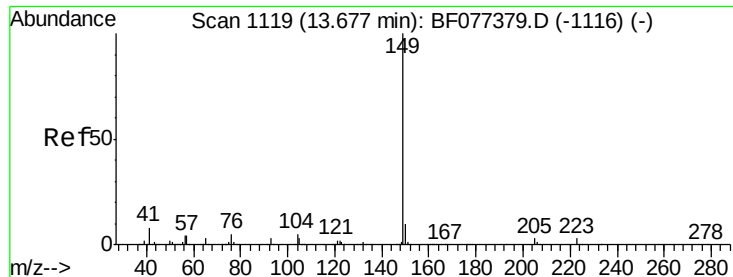


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 33.85 ng

RT: 13.68 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

Instrument :

BNA_F

ClientSampleId :

HF-1MSD

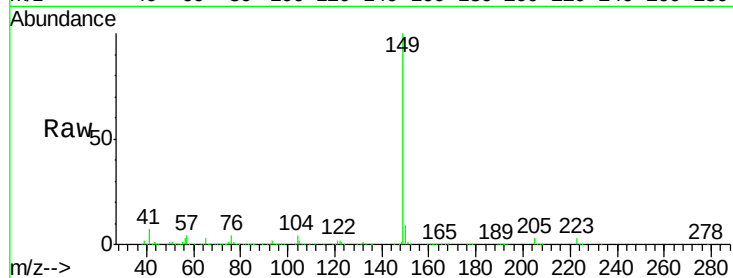
Tot Ion:149 Resp: 760689

Ion Ratio Lower Upper

149 100

150 9.3 7.8 11.8

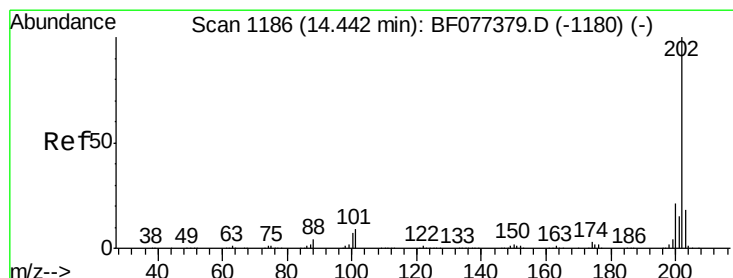
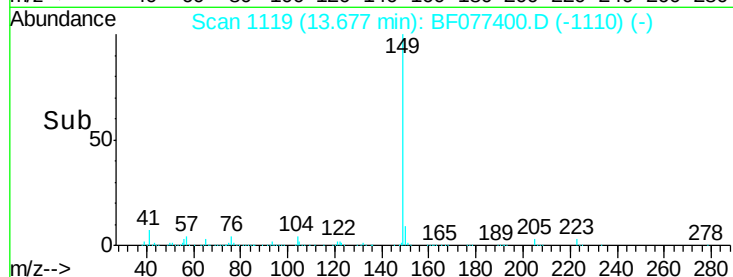
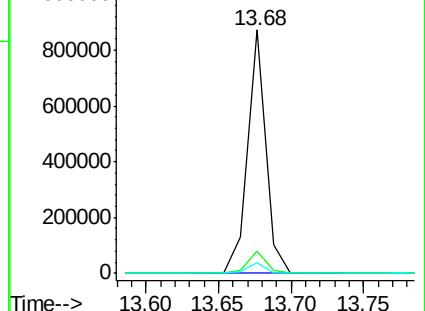
104 4.5 4.1 6.1



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: 33.81 ng

RT: 14.43 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

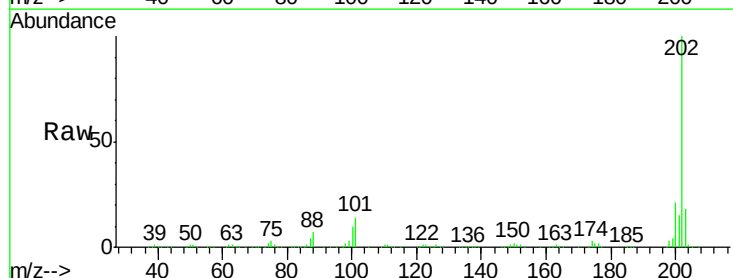
Tgt Ion:202 Resp: 748936

Ion Ratio Lower Upper

202 100

101 13.9 0.0 30.8

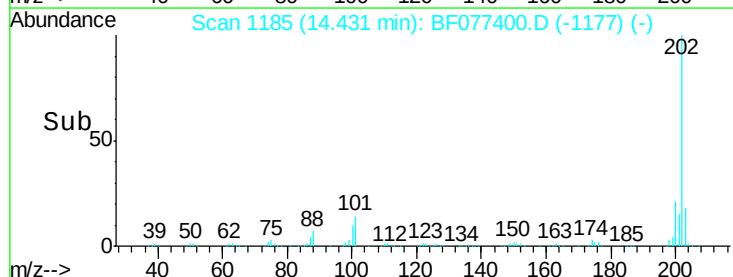
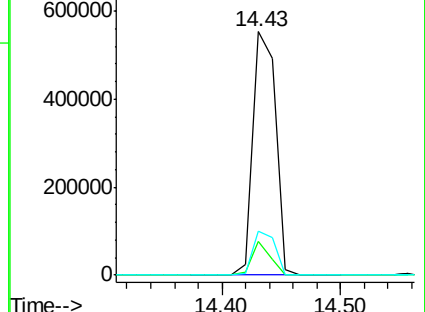
203 18.0 0.0 37.7

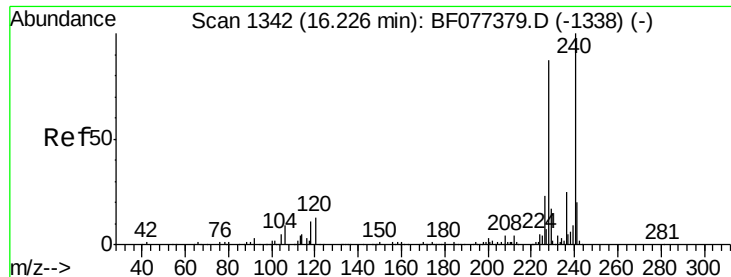


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.23 min Scan# 1342

Delta R.T. -0.03 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

Instrument :

BNA_F

ClientSampleId :

HF-1MSD

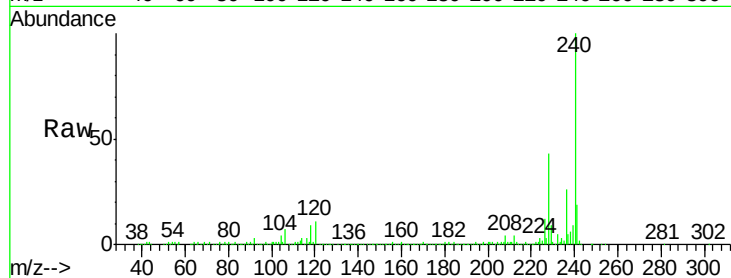
Tot Ion:240 Resp: 367194

Ion Ratio Lower Upper

240 100

120 11.3 8.8 13.2

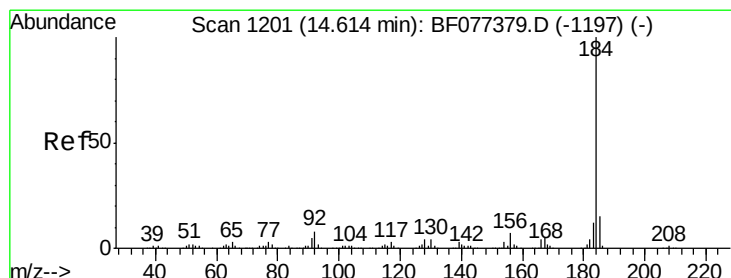
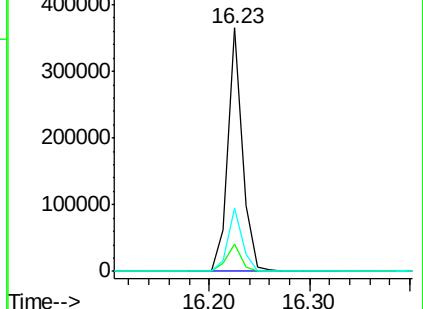
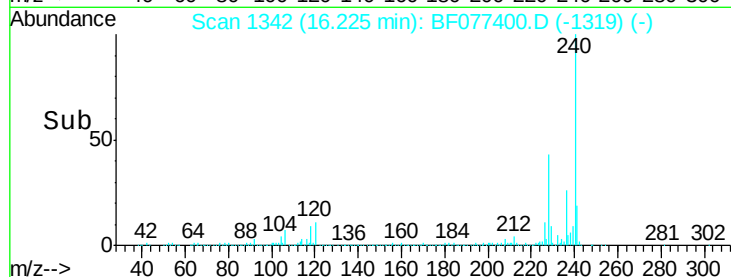
236 26.0 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 17.26 ng

RT: 14.61 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

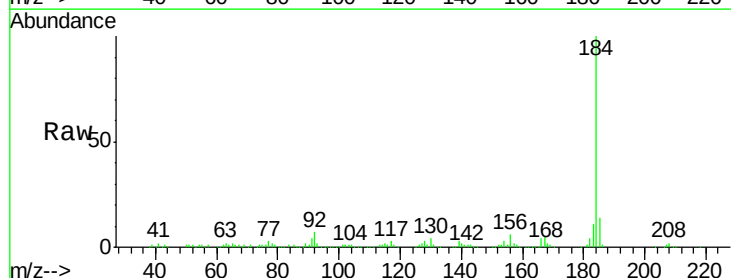
Tgt Ion:184 Resp: 214142

Ion Ratio Lower Upper

184 100

185 14.2 12.6 18.8

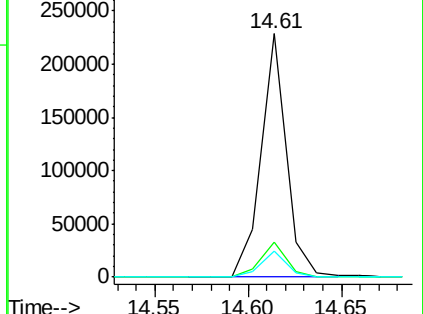
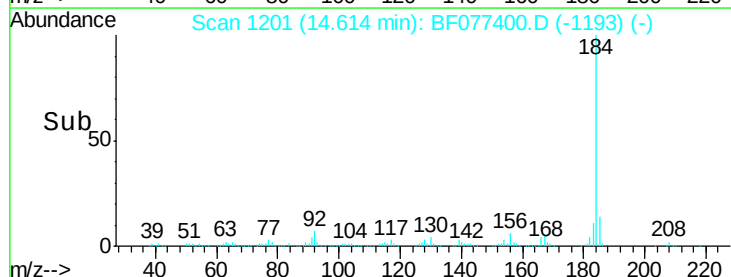
183 10.8 9.3 13.9

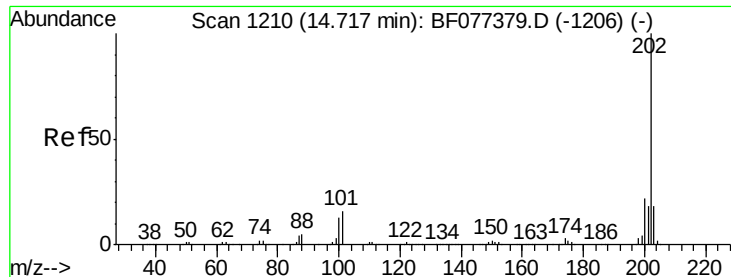


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

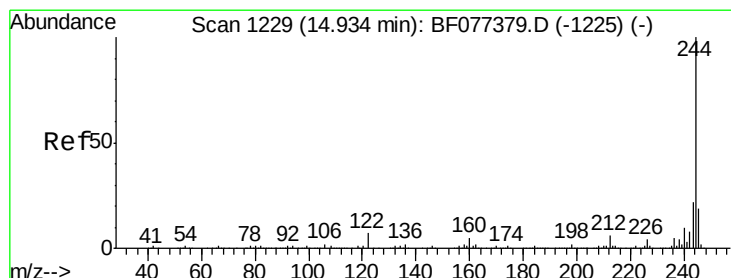
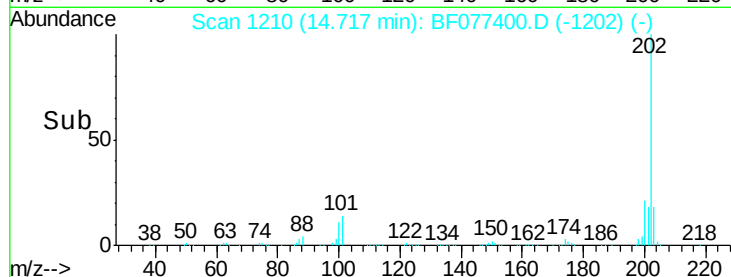
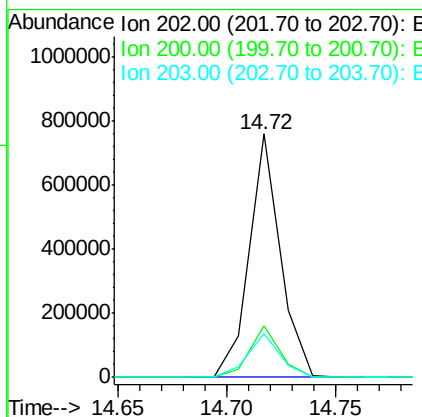
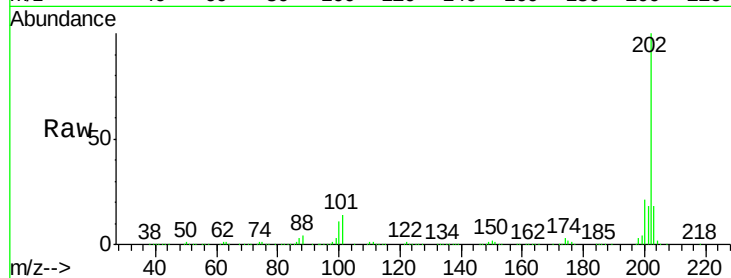




#77
Pvrene
Concen: 33.78 ng
RT: 14.72 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF077400.D
Acq: 23 Feb 2015 12:47

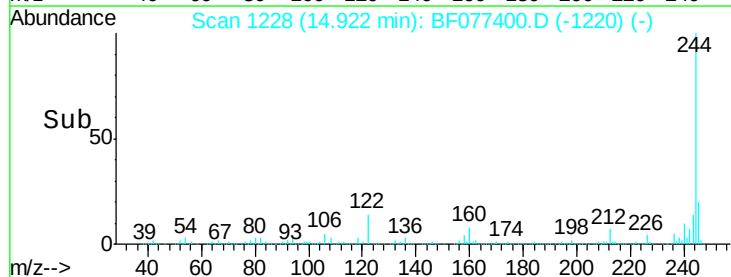
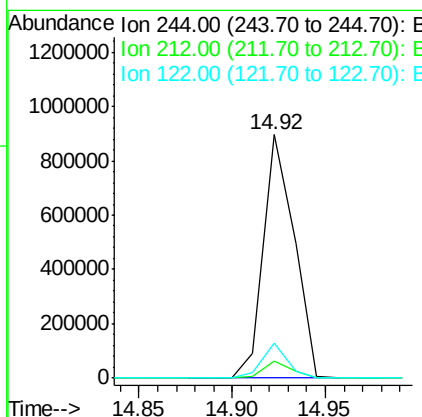
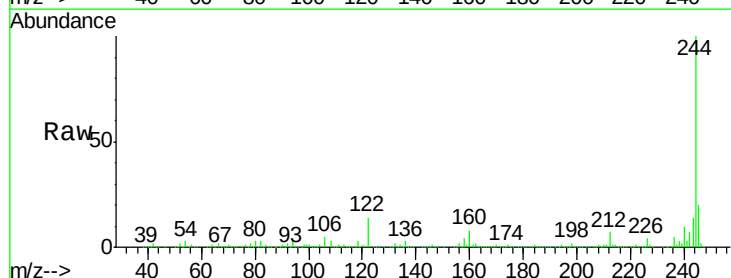
Instrument :
BNA_F
ClientSampleId :
HF-1MSD

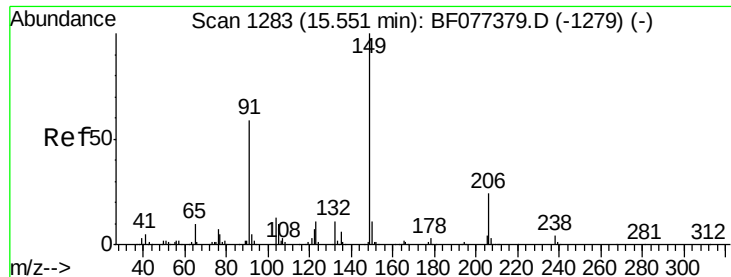
Tot Ion:202 Resp: 758689
Ion Ratio Lower Upper
202 100
200 21.5 17.1 25.7
203 18.1 14.2 21.2



#78
Terphenyl-d14
Concen: 65.07 ng
RT: 14.92 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF077400.D
Acq: 23 Feb 2015 12:47

Tgt Ion:244 Resp: 1021973
Ion Ratio Lower Upper
244 100
212 7.0 5.2 7.8
122 14.4 7.8 11.8#





#79

Butylbenzylphthalate

Concen: 35.53 ng

RT: 15.54 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

Instrument :

BNA_F

ClientSampleId :

HF-1MSD

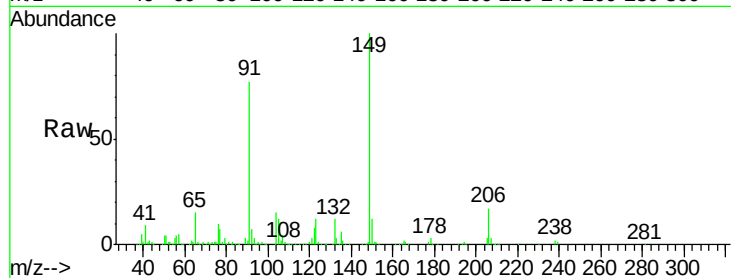
Tot Ion:149 Resp: 328311

Ion Ratio Lower Upper

149 100

91 77.2 51.2 76.8#

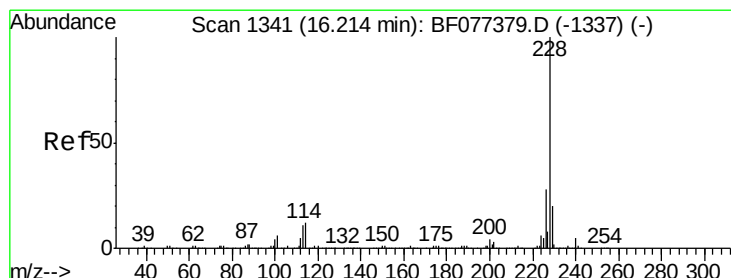
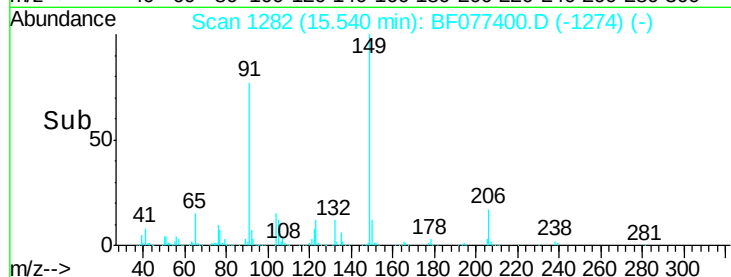
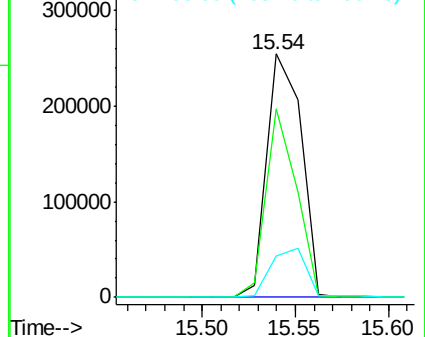
206 17.0 17.8 26.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 32.70 ng

RT: 16.21 min Scan# 1341

Delta R.T. -0.03 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

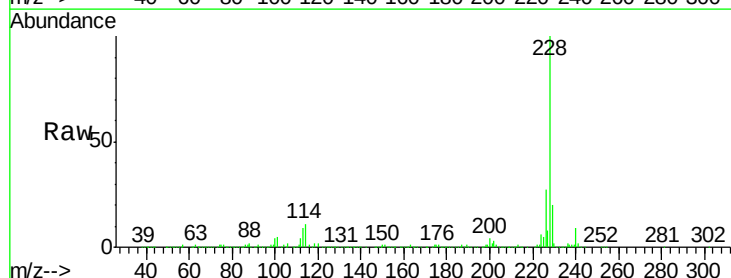
Tgt Ion:228 Resp: 703655

Ion Ratio Lower Upper

228 100

226 27.1 22.0 33.0

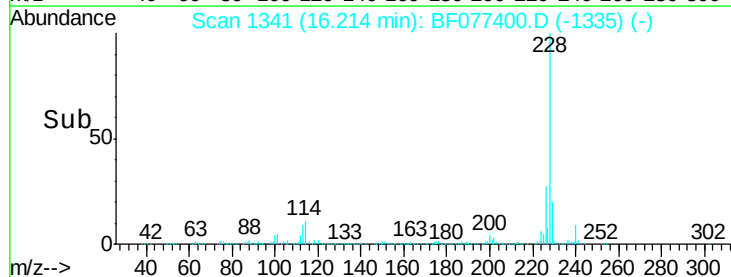
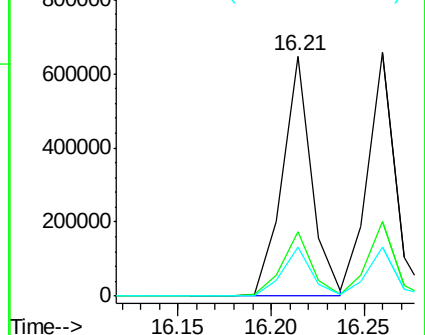
229 20.2 15.8 23.8

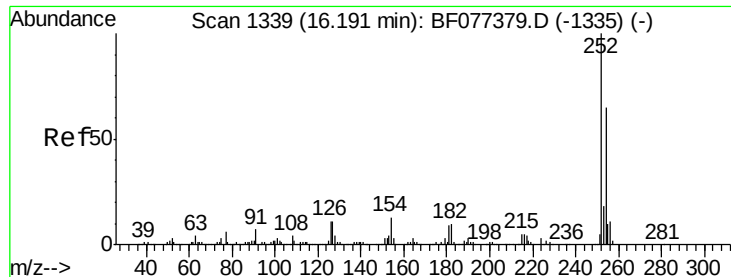


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

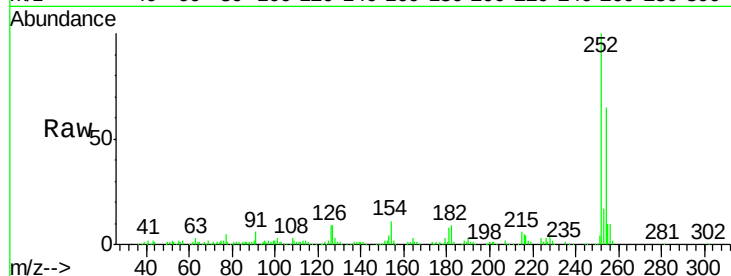




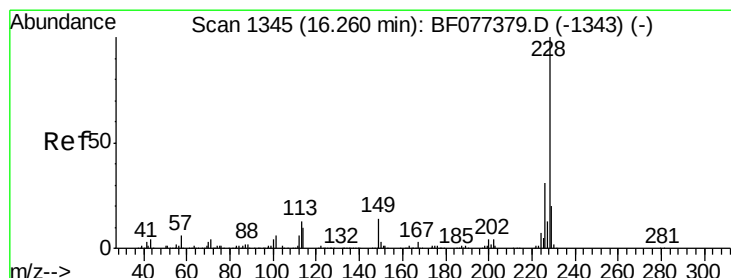
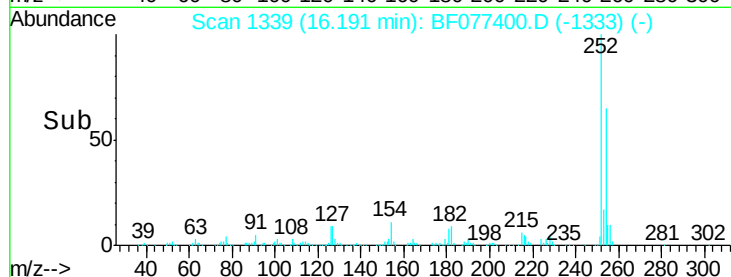
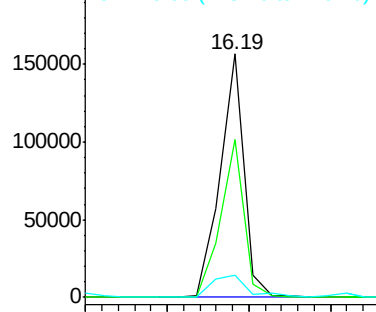
#81
 3,3'-Dichlorobenzidine
 Concen: 20.17 ng
 RT: 16.19 min Scan# 1339
 Delta R.T. -0.03 min
 Lab File: BF077400.D
 Acq: 23 Feb 2015 12:47

Instrument :
 BNA_F
 ClientSampleId :
 HF-1MSD

Tot Ion:252 Resp: 159049
 Ion Ratio Lower Upper
 252 100
 254 64.8 52.9 79.3
 126 8.9 7.3 10.9

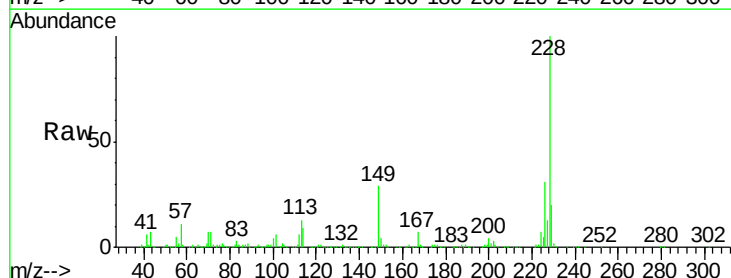


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

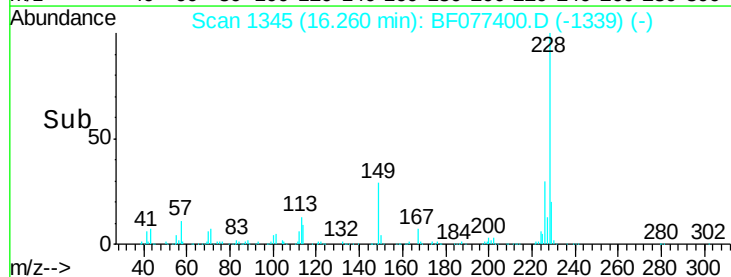
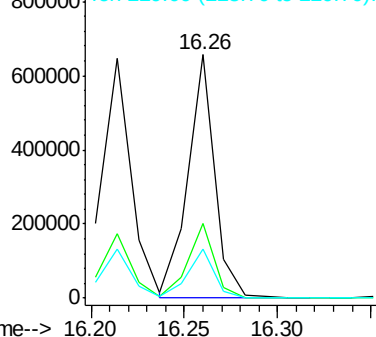


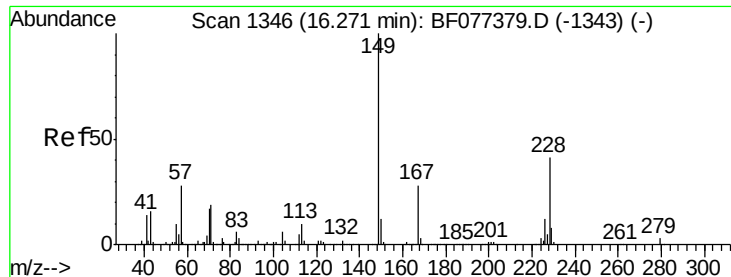
#82
 Chrysene
 Concen: 32.39 ng
 RT: 16.26 min Scan# 1345
 Delta R.T. -0.03 min
 Lab File: BF077400.D
 Acq: 23 Feb 2015 12:47

Tgt Ion:228 Resp: 654457
 Ion Ratio Lower Upper
 228 100
 226 30.7 24.9 37.3
 229 20.3 16.4 24.6



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

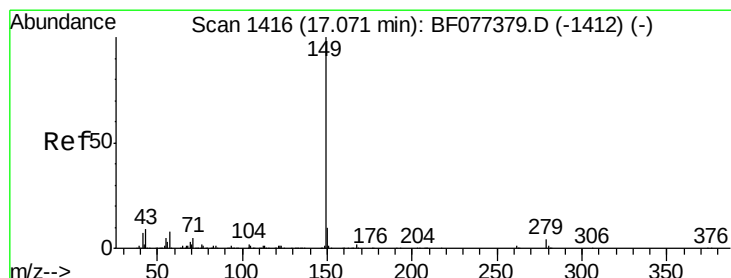
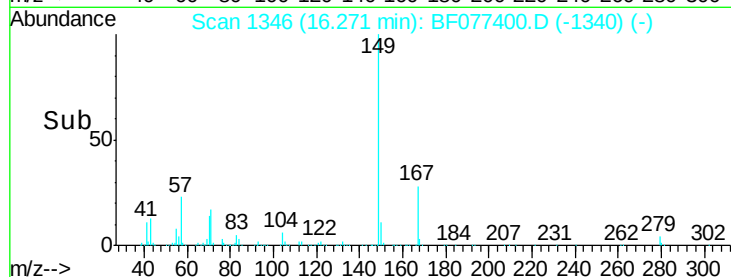
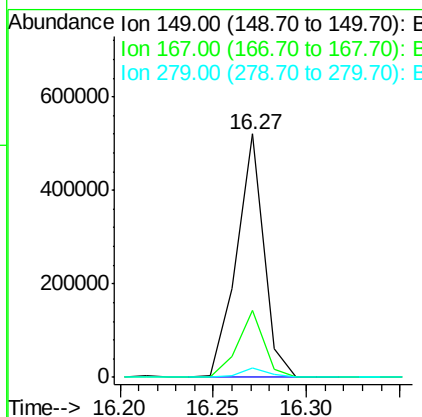
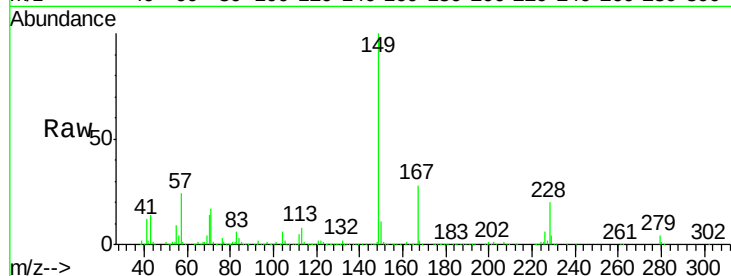




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 35.89 ng
 RT: 16.27 min Scan# 1346
 Delta R.T. -0.03 min
 Lab File: BF077400.D
 Acq: 23 Feb 2015 12:47

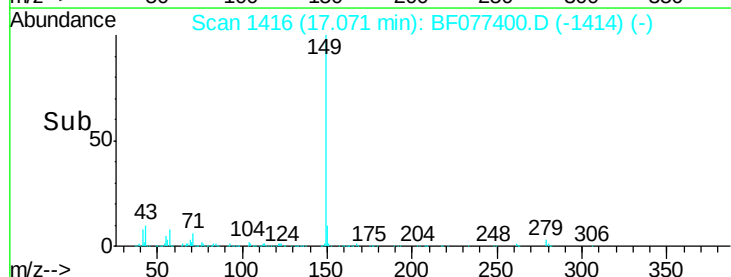
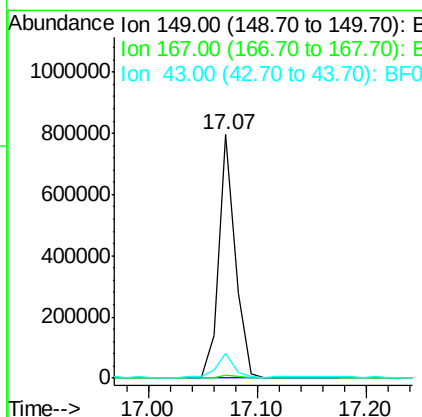
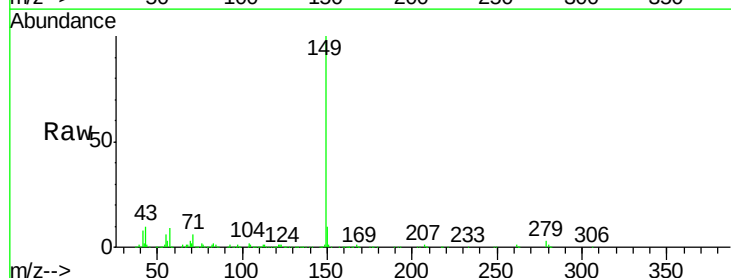
Instrument :
 BNA_F
 ClientSampleId :
 HF-1MSD

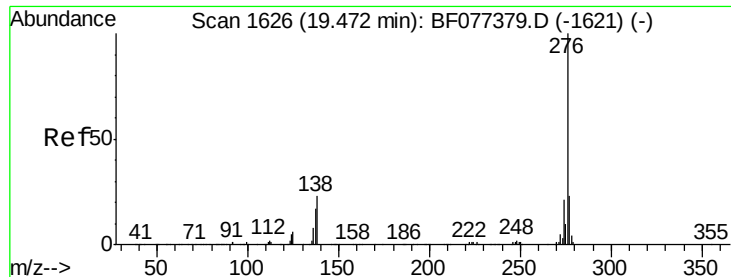
Tot Ion:149 Resp: 531876
 Ion Ratio Lower Upper
 149 100
 167 27.6 22.8 34.2
 279 3.8 3.8 5.6



#84
 Di-n-octyl phthalate
 Concen: 34.19 ng
 RT: 17.07 min Scan# 1416
 Delta R.T. -0.08 min
 Lab File: BF077400.D
 Acq: 23 Feb 2015 12:47

Tgt Ion:149 Resp: 845942
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.3 1.9
 43 9.6 8.1 12.1

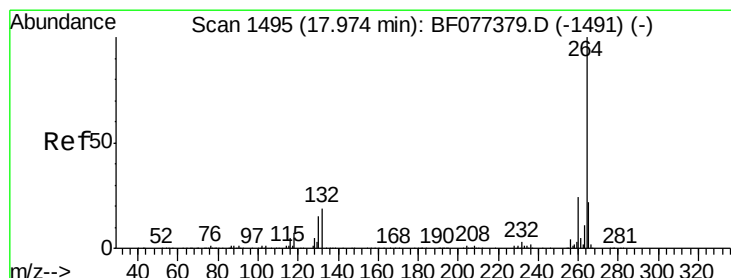
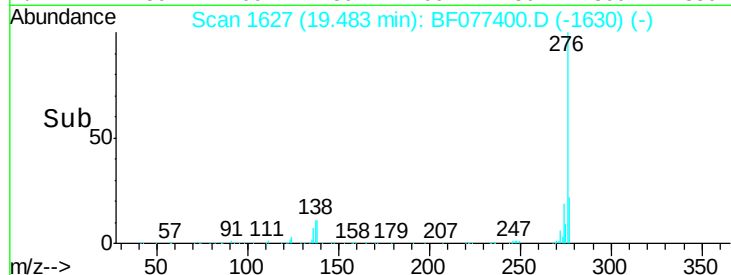
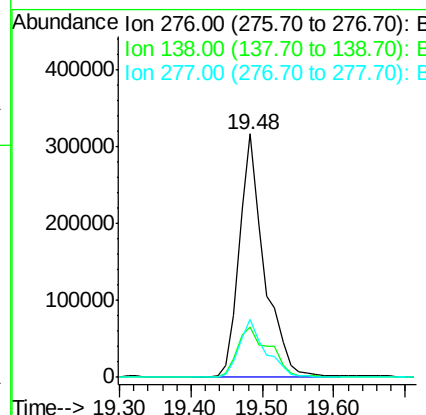
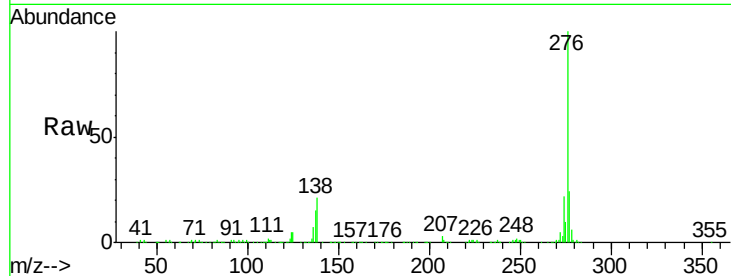




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 33.16 ng/mL
 RT: 19.48 min Scan# 1627
 Delta R.T. -0.14 min
 Lab File: BF077400.D
 Acq: 23 Feb 2015 12:47

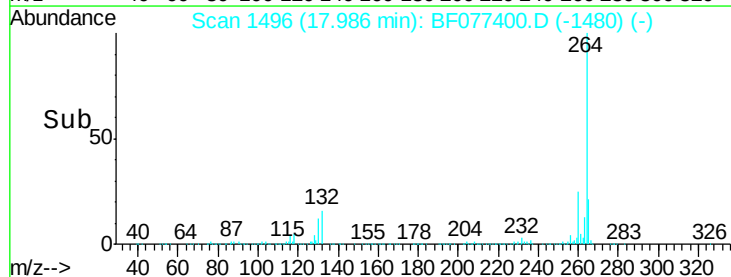
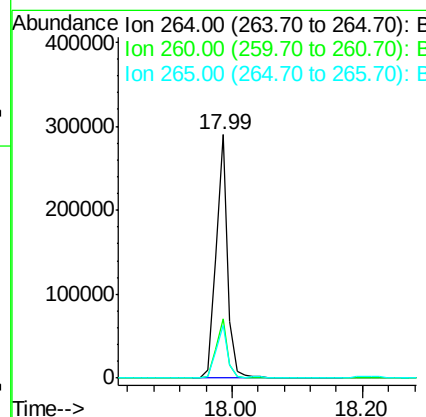
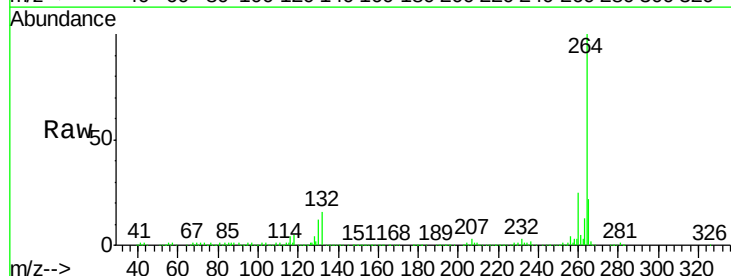
Instrument :
 BNA_F
 ClientSampleId :
 HF-1MSD

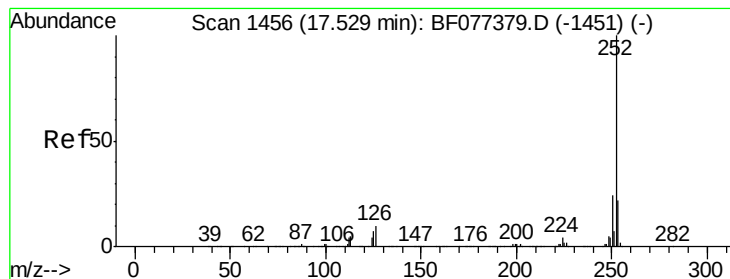
Tot Ion	Ratio	Lower	Upper
276	100		
138	0.0	21.2	31.8#
277	0.0	20.0	30.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.99 min Scan# 1496
 Delta R.T. -0.11 min
 Lab File: BF077400.D
 Acq: 23 Feb 2015 12:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.3	28.9
265	21.6	16.8	25.2





#87

Benzo(b)fluoranthene

Concen: 38.10 ng

RT: 17.53 min Scan# 1456

Delta R.T. -0.10 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

Instrument :

BNA_F

ClientSampleId :

HF-1MSD

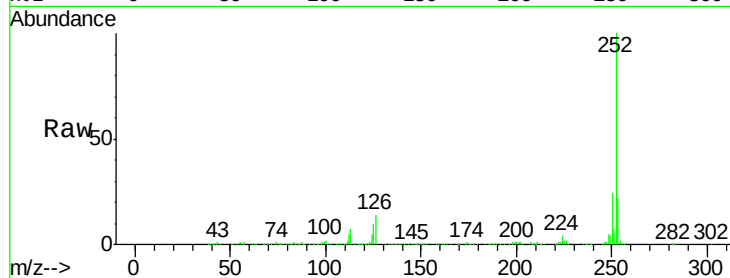
Tot Ion:252 Resp: 802101

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

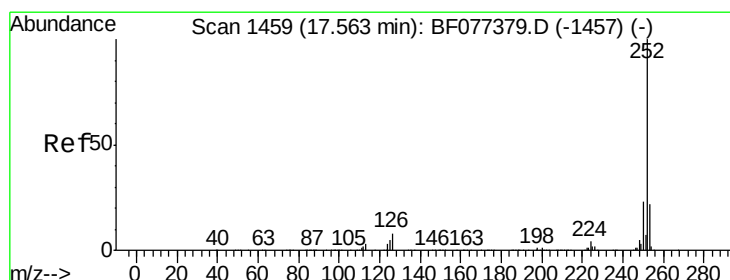
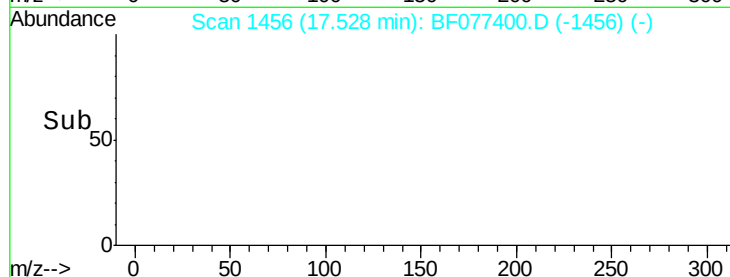
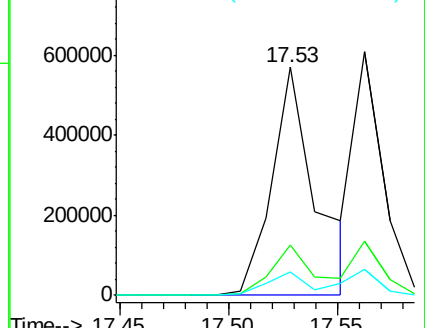
125 10.2 5.4 8.2#



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: 26.82 ng

RT: 17.56 min Scan# 1459

Delta R.T. -0.10 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

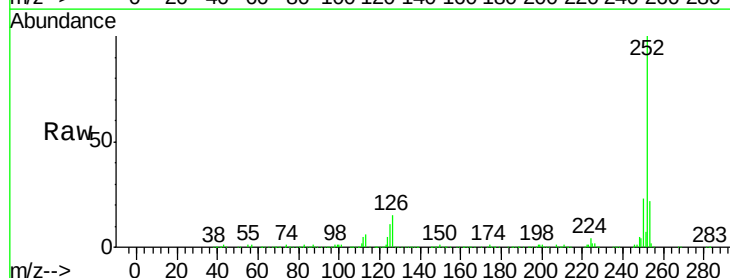
Tgt Ion:252 Resp: 553347

Ion Ratio Lower Upper

252 100

253 22.2 18.1 27.1

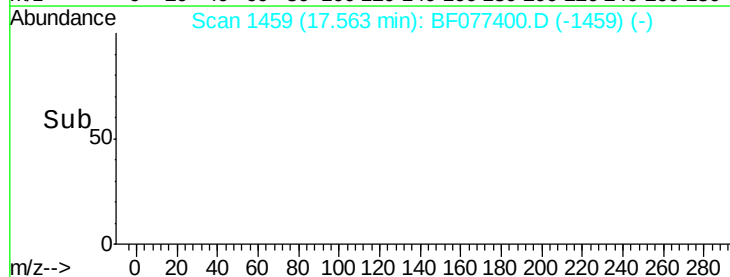
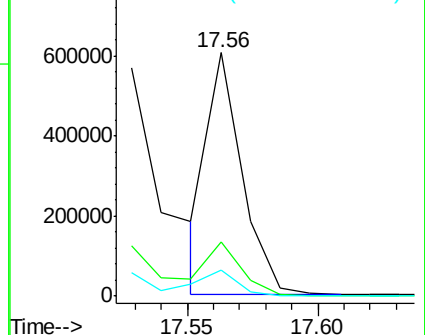
125 10.7 10.1 15.1

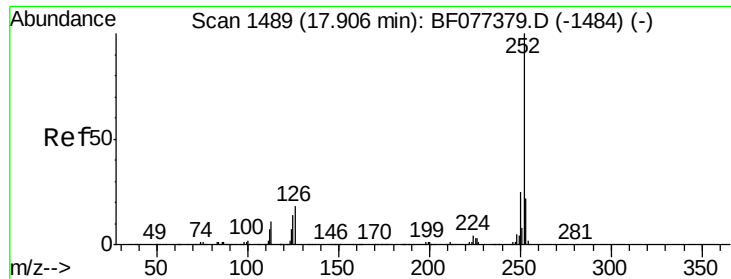


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 32.57 ng

RT: 17.92 min Scan# 1490

Delta R.T. -0.13 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

Instrument :

BNA_F

ClientSampleId :

HF-1MSD

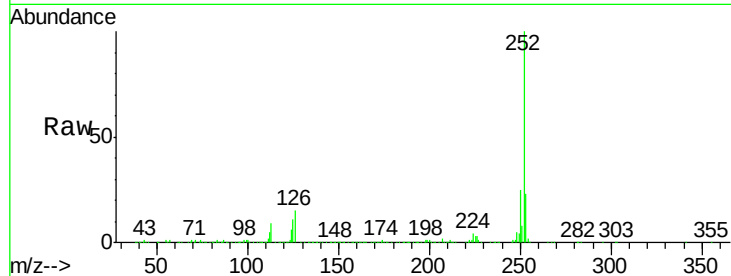
Tot Ion:252 Resp: 652952

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.2

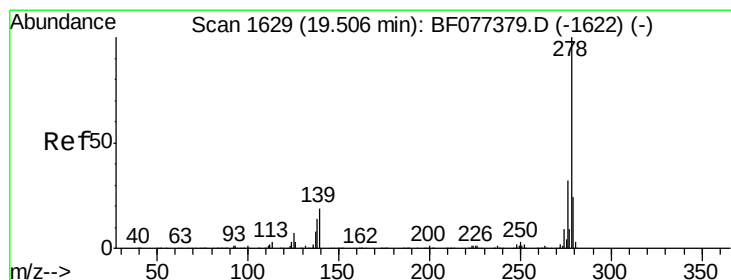
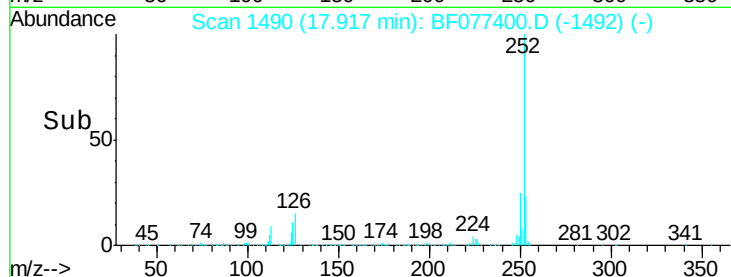
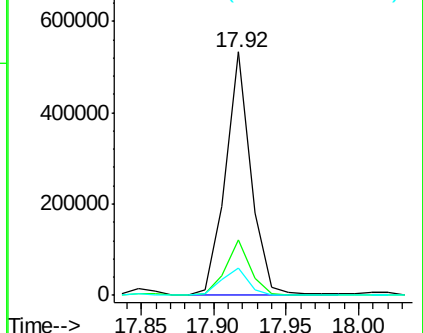
125 11.3 8.3 12.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 31.87 ng

RT: 19.52 min Scan# 1630

Delta R.T. -0.14 min

Lab File: BF077400.D

Acq: 23 Feb 2015 12:47

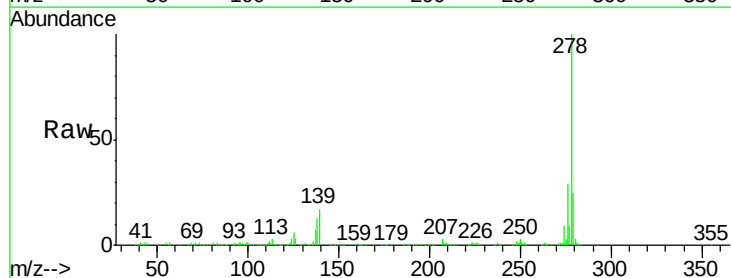
Tgt Ion:278 Resp: 609383

Ion Ratio Lower Upper

278 100

139 16.9 14.3 21.5

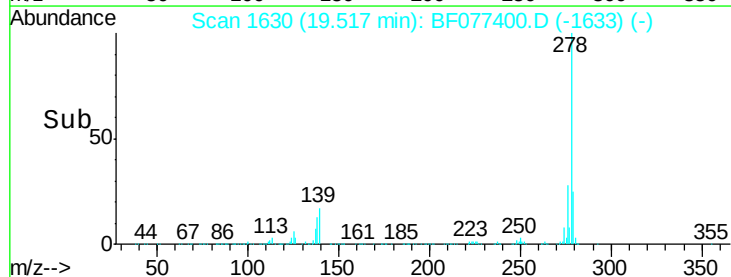
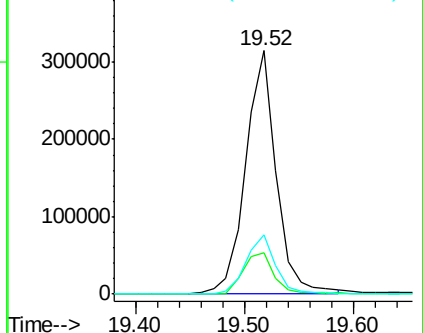
279 24.6 19.0 28.6

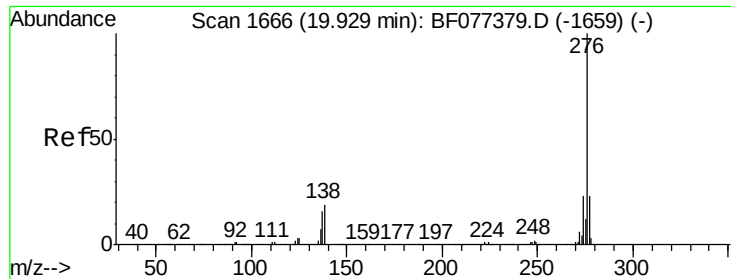


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 32.84 ng
 RT: 19.93 min Scan# 1666
 Delta R.T. -0.15 min
 Lab File: BF077400.D
 Acq: 23 Feb 2015 12:47

Instrument :
 BNA_F
 ClientSampleId :
 HF-1MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.9	28.3
138	21.5	20.5	30.7

