

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
 Data File : BF092428.D
 Acq On : 24 Jan 2017 14:50
 Operator : UM/SJ
 Sample : I1305-25
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 0036

Quant Time: Jan 24 15:22:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	154824	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	605603	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	350197	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	568001	20.00	ng	-0.01
75) Chrysene-d12	14.18	240	314071	20.00	ng	0.01
86) Perylene-d12	15.64	264	283752	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	1455537	146.27	ng	0.02
7) Phenol-d6	6.59	99	1806409	142.51	ng	0.00
23) Nitrobenzene-d5	7.54	82	1212927	109.41	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	287811	120.60	ng	0.00
44) 2-Fluorobiphenyl	9.36	172	1968908	103.97	ng	0.00
78) Terphenyl-d14	13.12	244	1654988	140.32	ng	0.00

Target Compounds				Qvalue		
4) n-Nitrosodimethylamine	3.42	42	1093116	147.89	ng	81
11) bis(2-Chloroethyl)ether	6.70	93	905340	79.09	ng	91
12) 1,3-Dichlorobenzene	6.91	146	351997	28.48	ng	# 93
13) 1,4-Dichlorobenzene	6.99	146	904770	72.72	ng	97
14) 1,2-Dichlorobenzene	7.15	146	1406498	119.16	ng	97
18) Hexachloroethane	7.49	117	464275	108.33	ng	95
19) n-Nitroso-di-n-propylamine	7.39	70	1263475	146.37	ng	95
24) Nitrobenzene	7.56	77	411668	35.44	ng	# 84
25) Isophorone	7.80	82	2622019	120.02	ng	97
28) bis(2-Chloroethoxy)methane	8.01	93	677445	47.24	ng	98
30) 1,2,4-Trichlorobenzene	8.20	180	798104	84.14	ng	95
31) Naphthalene	8.29	128	3416431	110.22	ng	98
37) 2-Methylnaphthalene	8.98	142	1594467	81.26	ng	100
40) Hexachlorocyclopentadiene	9.14	237	422423	95.49	ng	98
46) 2-Chloronaphthalene	9.48	162	1823719	88.20	ng	97
48) Acenaphthylene	9.89	152	2566720	84.64	ng	99
51) Acenaphthene	10.08	154	2232754	118.49	ng	97
56) 2,4-Dinitrotoluene	10.20	165	155261	25.70	ng	# 76
59) Diethylphthalate	10.45	149	1131171	52.97	ng	98
60) 4-Chlorophenyl-phenylether	10.58	204	737991	80.20	ng	# 81
65) n-Nitrosodiphenylamine	10.69	169	804388	45.35	ng	100
66) 4-Bromophenyl-phenylether	11.07	248	431058	75.16	ng	# 88
70) Phenanthrene	11.55	178	3195254	102.15	ng	100
71) Anthracene	11.61	178	2763955	90.42	ng	99
73) Di-n-butylphthalate	12.09	149	2840214	85.10	ng	99
79) Butylbenzylphthalate	13.60	149	1752727	190.12	ng	92
80) Benzo(a)anthracene	14.17	228	3384996	200.54	ng	98
82) Chrysene	14.20	228	2270741	125.97	ng	100
84) Di-n-octyl phthalate	14.76	149	2748283	130.39	ng	99
85) Indeno(1,2,3-cd)pyrene	17.15	276	2068683	155.11	ng	96
88) Benzo(k)fluoranthene	15.25	252	2404411	158.74	ng	# 97
90) Dibenzo(a,h)anthracene	17.17	278	1172747	94.11	ng	97
91) Benzo(a,h,i)perylene	17.62	276	2606475	206.83	ng	# 91

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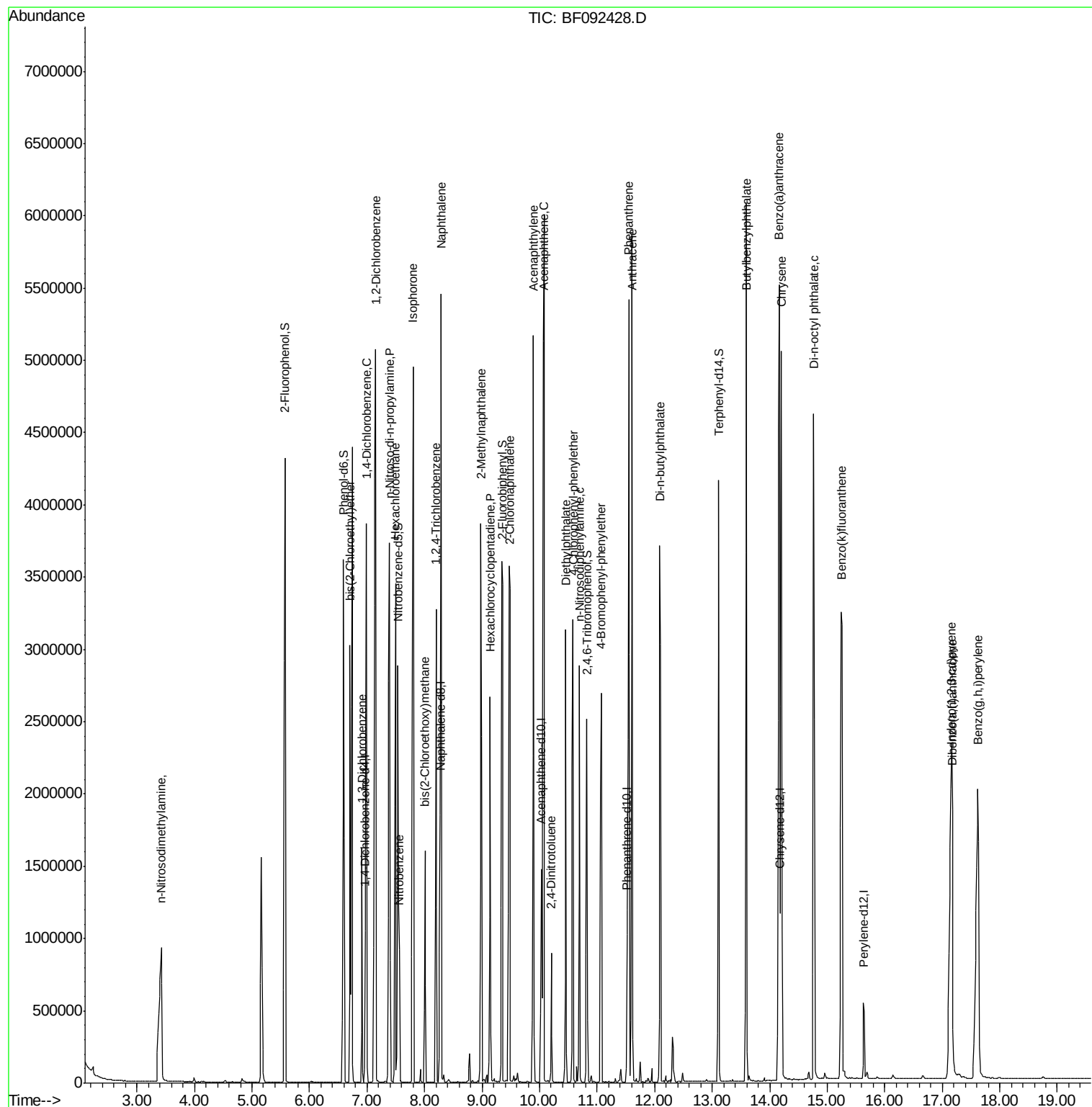
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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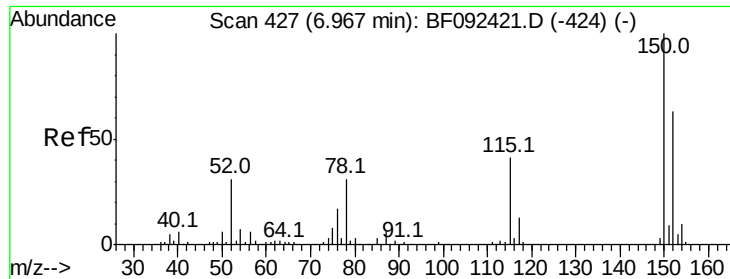
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 427

Delta R.T. 0.00 min

Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

Instrument :

BNA_F

ClientSampleId :

0036

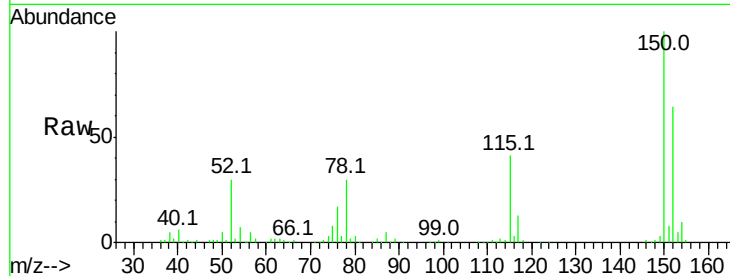
Tot Ion:152 Resp: 154824

Ion Ratio Lower Upper

152 100

150 156.2 124.9 187.3

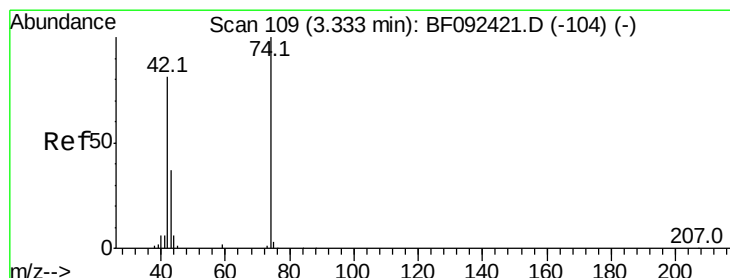
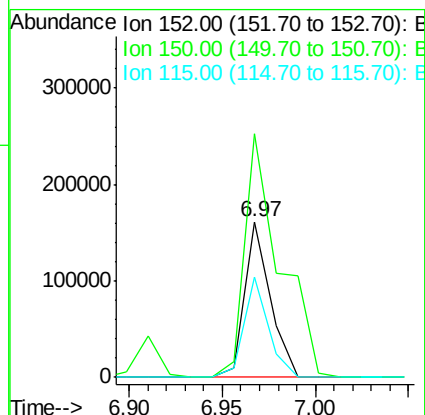
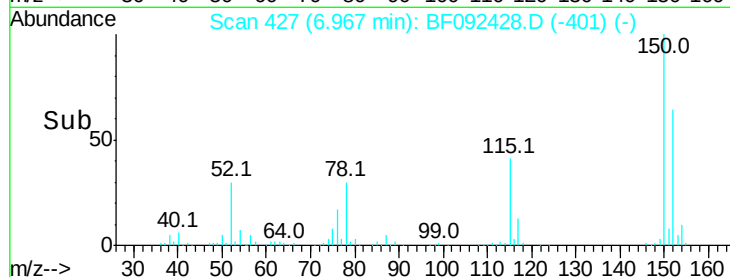
115 64.5 46.0 69.0



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



#4

n-Nitrosodimethylamine

Concen: 147.89 ng

RT: 3.42 min Scan# 117

Delta R.T. 0.09 min

Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

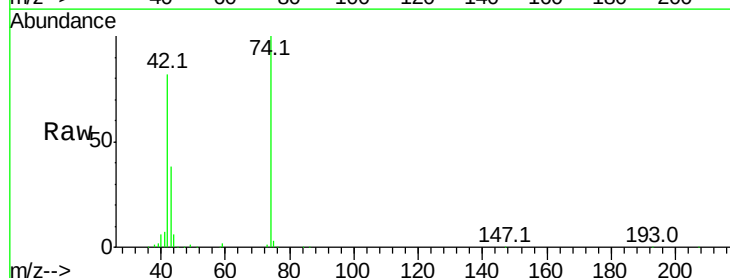
Tgt Ion: 42 Resp: 1093116

Ion Ratio Lower Upper

42 100

74 121.4 117.0 175.4

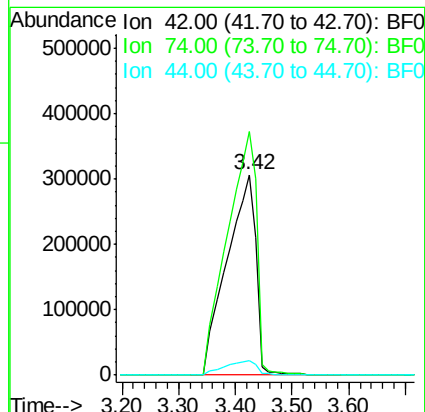
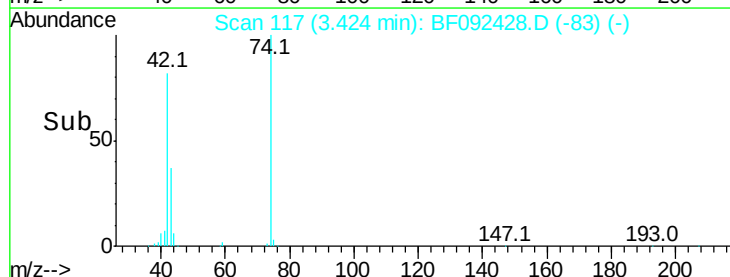
44 7.5 5.5 8.3

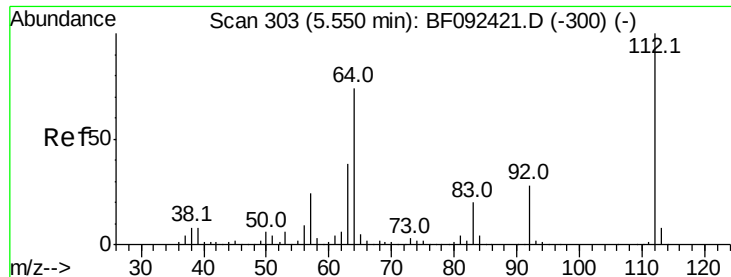


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 146.27 ng

RT: 5.57 min Scan# 305

Delta R.T. 0.02 min

Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

Instrument :

BNA_F

ClientSampleId :

0036

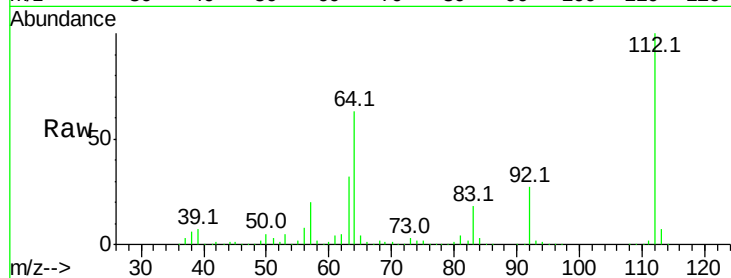
Tot Ion:112 Resp: 145537

Ion Ratio Lower Upper

112 100

64 62.8 46.1 69.1

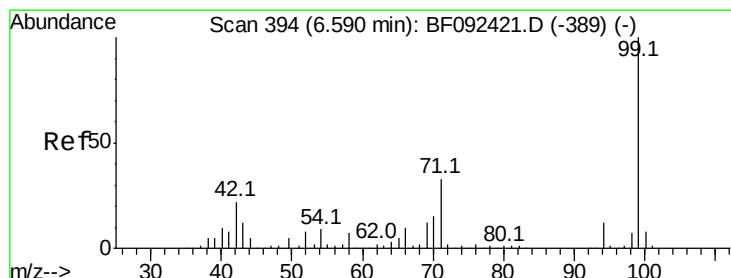
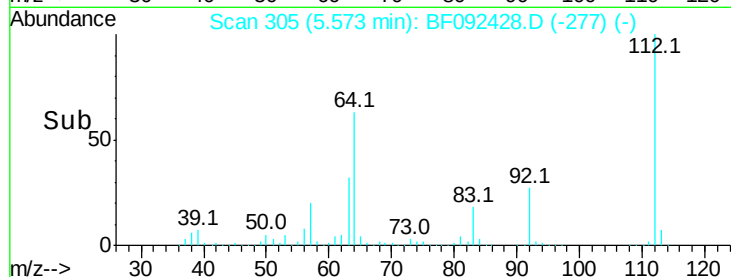
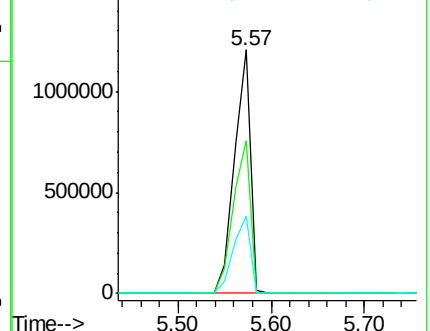
63 31.6 23.8 35.6



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 142.51 ng

RT: 6.59 min Scan# 394

Delta R.T. 0.00 min

Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

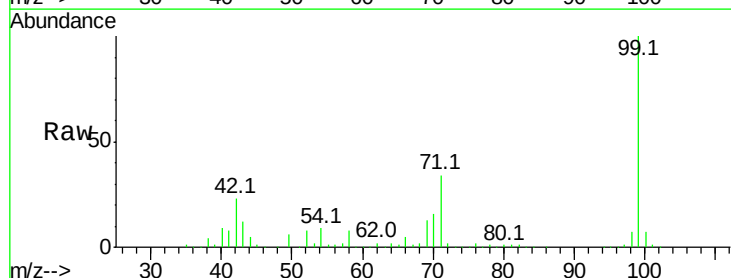
Tgt Ion: 99 Resp: 1806409

Ion Ratio Lower Upper

99 100

42 22.5 15.6 23.4

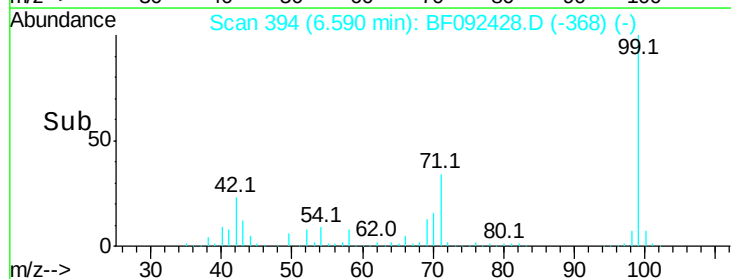
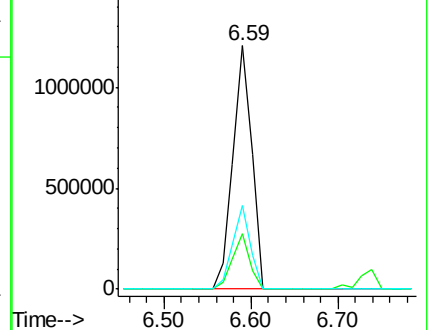
71 34.3 27.5 41.3

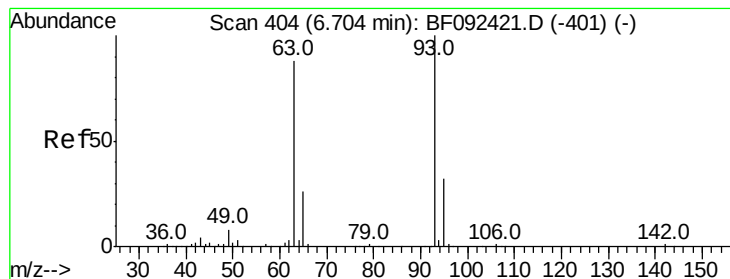


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 79.09 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

Instrument :

BNA_F

ClientSampleId :

0036

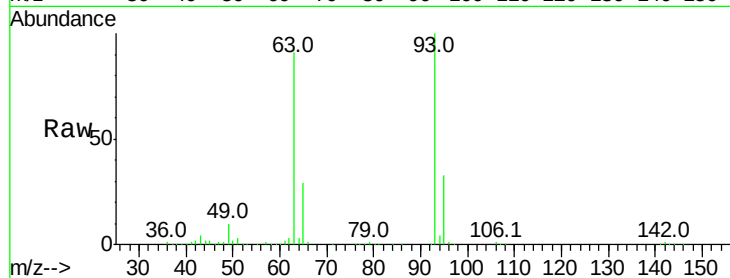
Tot Ion: 93 Resp: 905340

Ion Ratio Lower Upper

93 100

63 91.0 60.4 100.4

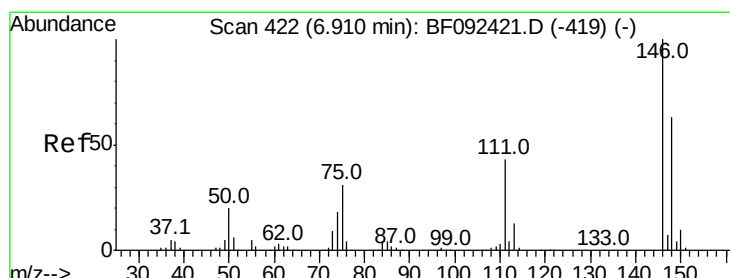
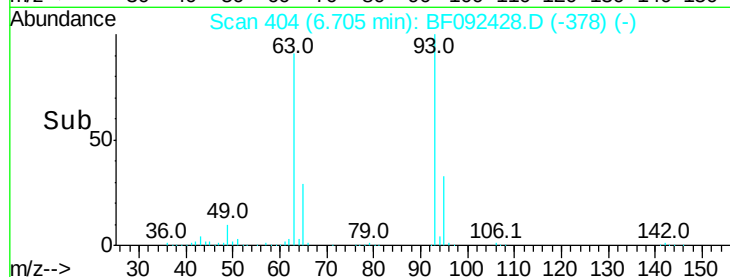
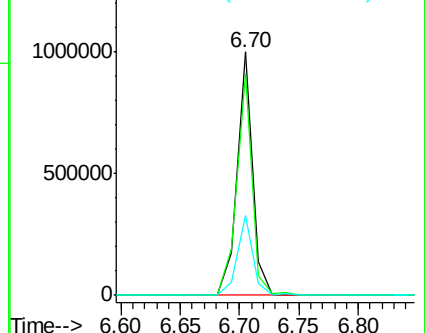
95 32.9 12.8 52.8



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 28.48 ng

RT: 6.91 min Scan# 422

Delta R.T. 0.00 min

Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

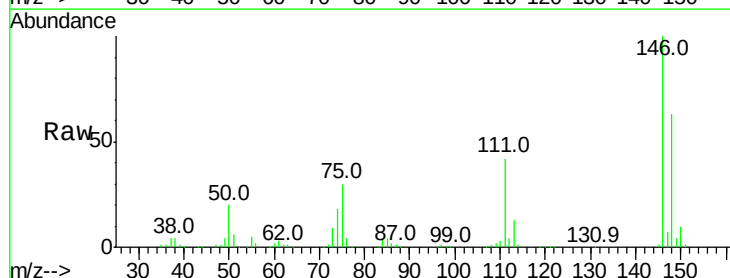
Tgt Ion: 146 Resp: 351997

Ion Ratio Lower Upper

146 100

148 63.0 53.4 80.0

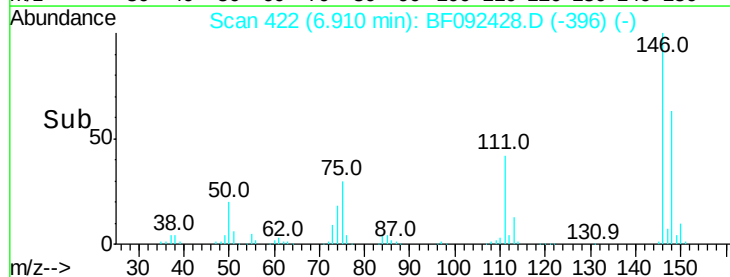
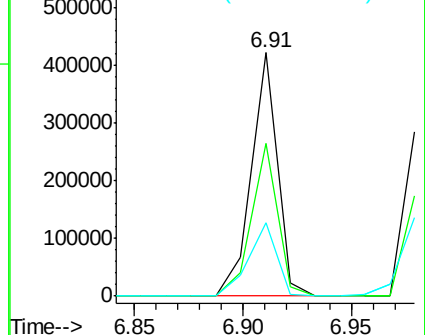
75 30.1 18.5 27.7#

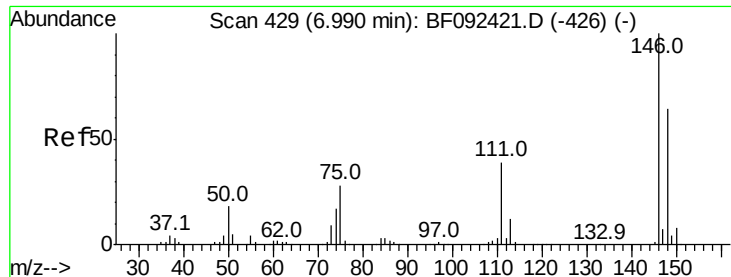


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

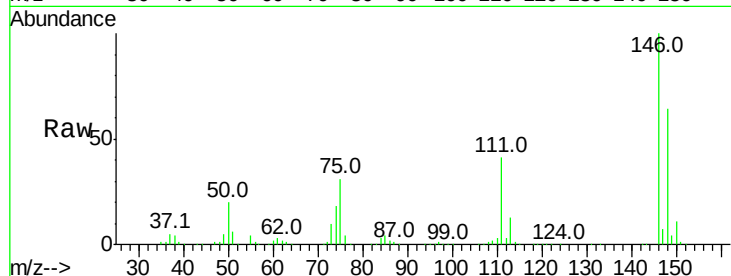




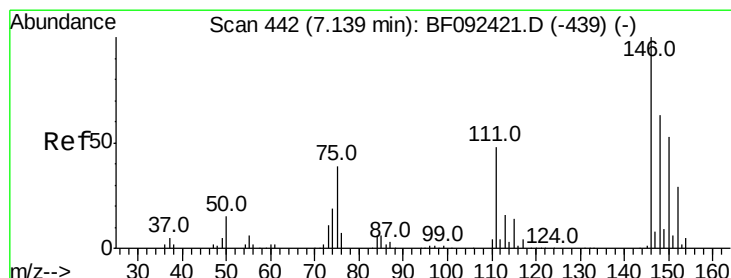
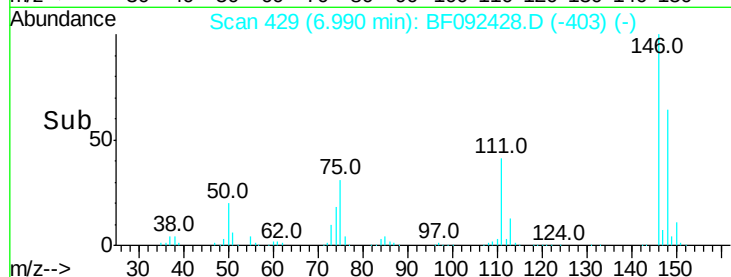
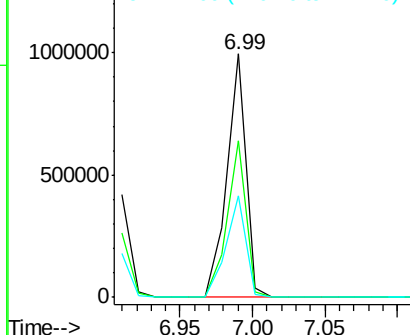
#13
 1,4-Dichlorobenzene
 Concen: 72.72 ng
 RT: 6.99 min Scan# 429
 Delta R.T. 0.00 min
 Lab File: BF092428.D
 Acq: 24 Jan 2017 14:50

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 0036

Tot Ion:146 Resp: 904770
 Ion Ratio Lower Upper
 146 100
 148 64.3 50.6 76.0
 111 41.5 36.2 54.4

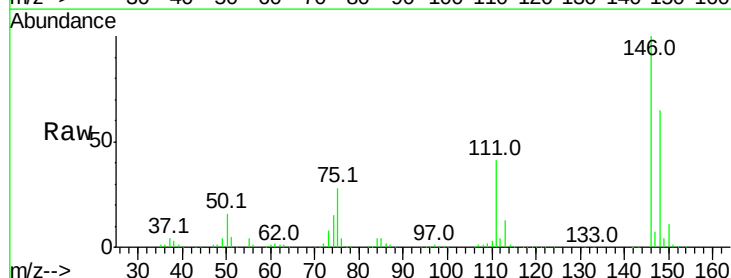


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

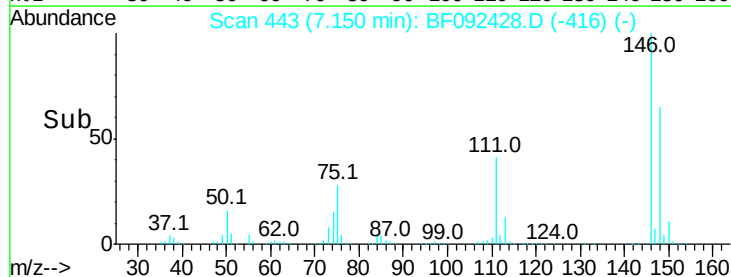
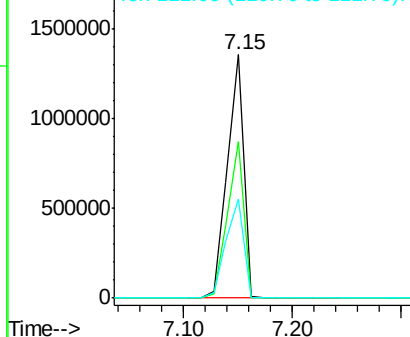


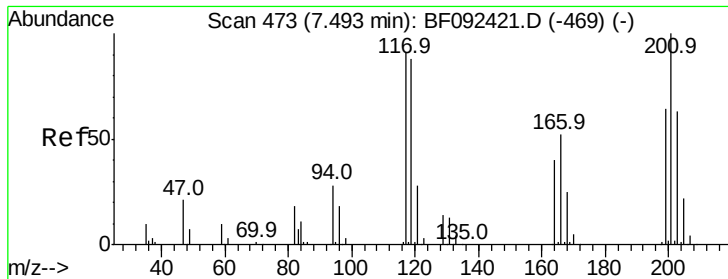
#14
 1,2-Dichlorobenzene
 Concen: 119.16 ng
 RT: 7.15 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: BF092428.D
 Acq: 24 Jan 2017 14:50

Tgt Ion:146 Resp: 1406498
 Ion Ratio Lower Upper
 146 100
 148 64.5 52.2 78.2
 111 40.7 36.2 54.2



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

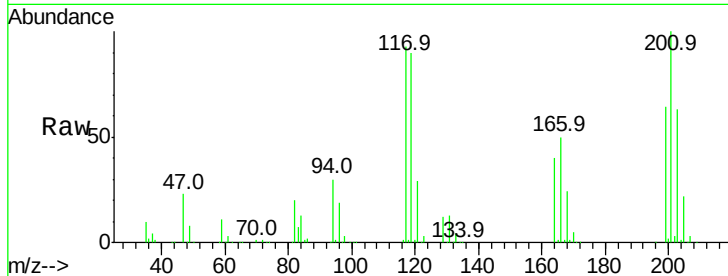




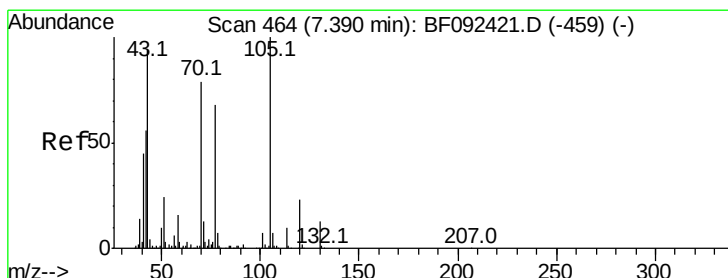
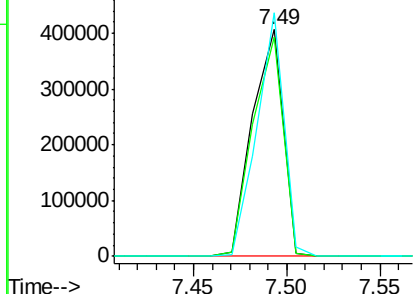
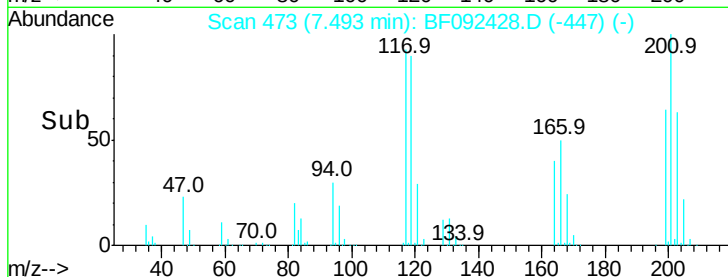
#18
Hexachloroethane
Concen: 108.33 ng
RT: 7.49 min Scan# 473
Delta R.T. 0.00 min
Lab File: BF092428.D
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Instrument :
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Tot Ion:117 Resp: 464275
Ion Ratio Lower Upper
117 100
119 96.8 78.1 117.1
201 107.4 78.6 117.8

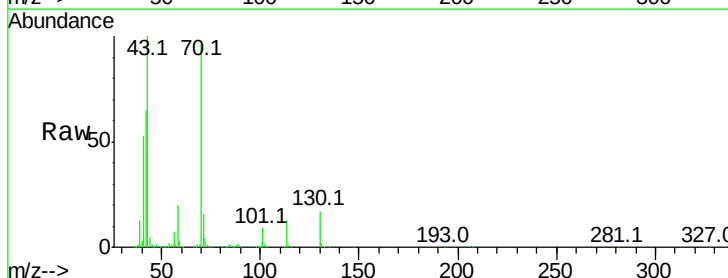


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

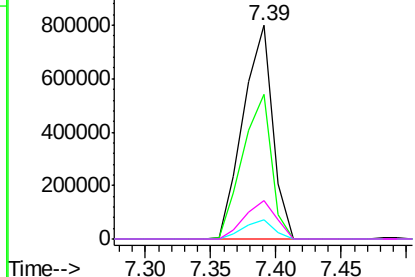
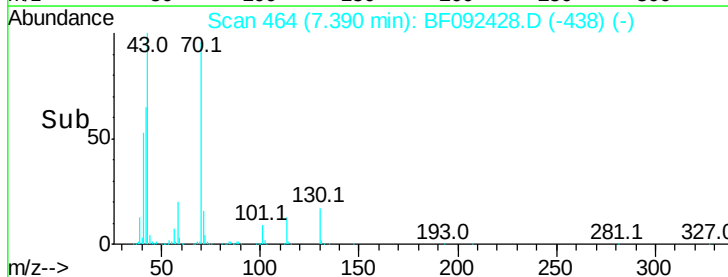


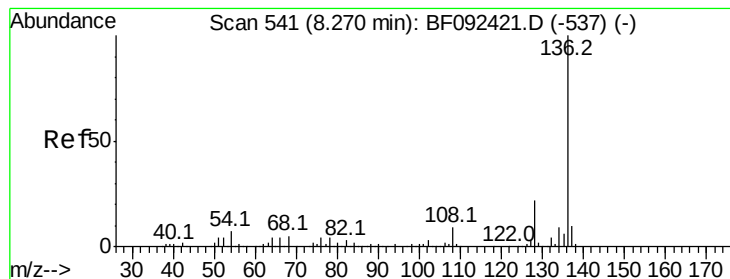
#19
n-Nitroso-di-n-propylamine
Concen: 146.37 ng
RT: 7.39 min Scan# 464
Delta R.T. 0.00 min
Lab File: BF092428.D
Acq: 24 Jan 2017 14:50

Tgt Ion: 70 Resp: 1263475
Ion Ratio Lower Upper
70 100
42 67.5 49.4 74.0
101 9.1 7.4 11.2
130 18.1 14.2 21.4



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





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.27 min Scan# 541

Delta R.T. 0.00 min

Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

Instrument :

BNA_F

ClientSampleId :

0036

Tot Ion:136 Resp: 605603

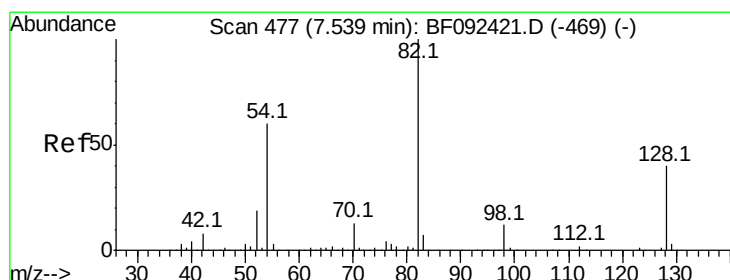
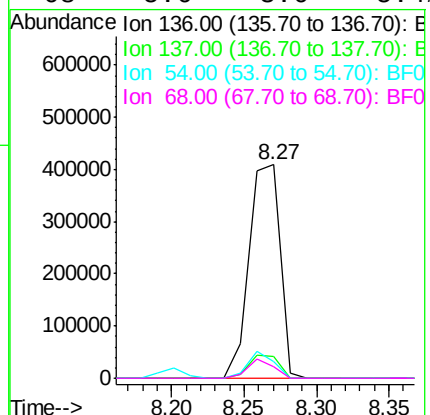
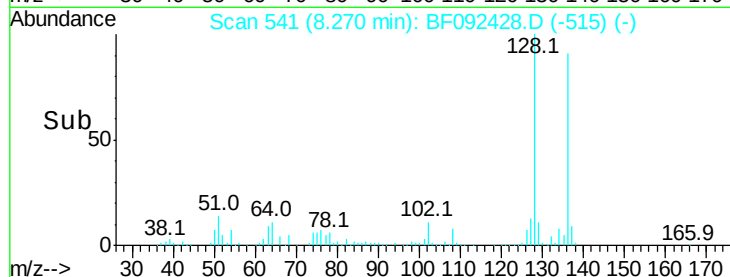
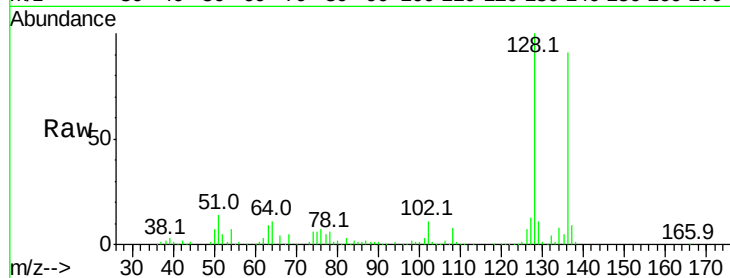
Ion Ratio Lower Upper

136 100

137 10.4 8.4 12.6

54 7.8 4.5 6.7#

68 5.6 3.6 5.4#



#23

Nitrobenzene-d5

Concen: 109.41 ng

RT: 7.54 min Scan# 477

Delta R.T. 0.00 min

Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

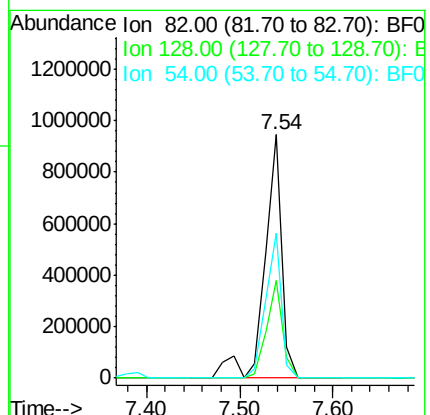
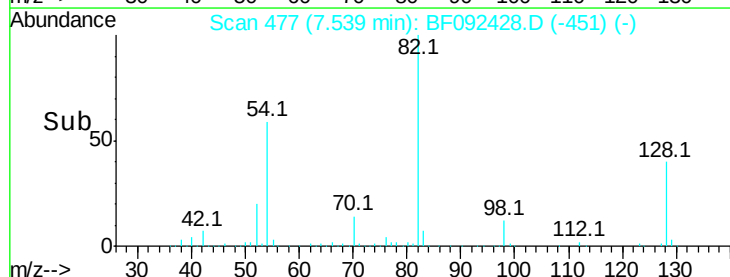
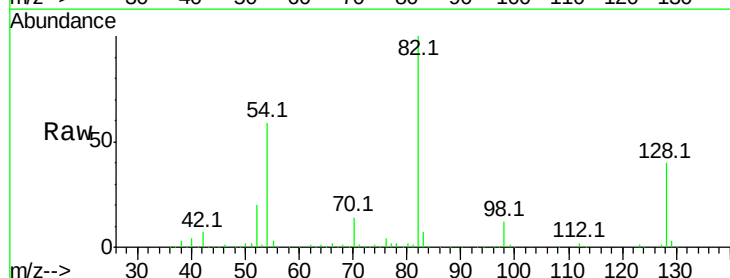
Tgt Ion: 82 Resp: 1212927

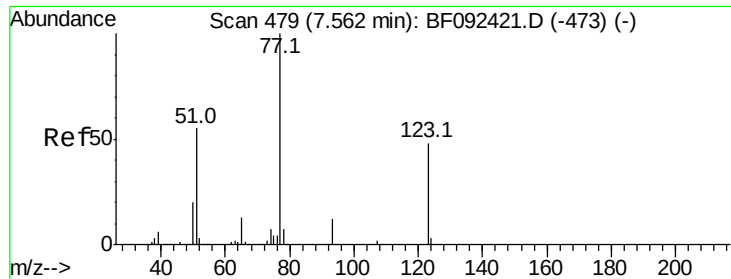
Ion Ratio Lower Upper

82 100

128 40.2 34.6 52.0

54 59.4 39.5 59.3#

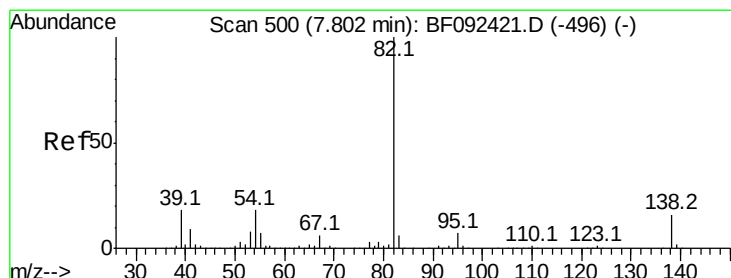
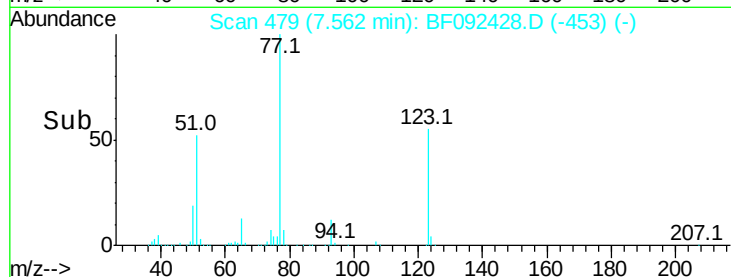
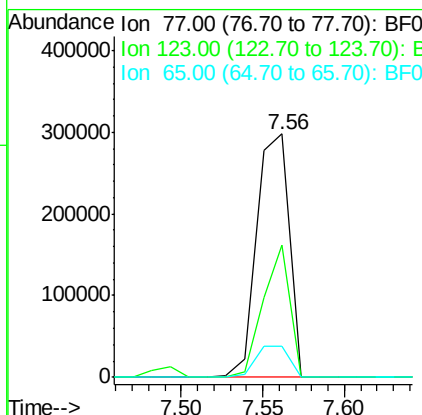
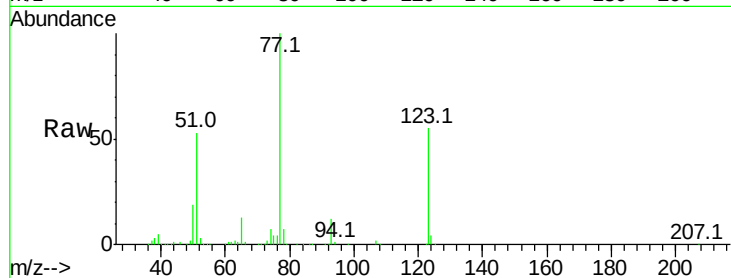




#24
Nitrobenzene
Concen: 35.44 ng
RT: 7.56 min Scan# 479
Delta R.T. 0.00 min
Lab File: BF092428.D
Acq: 24 Jan 2017 14:50

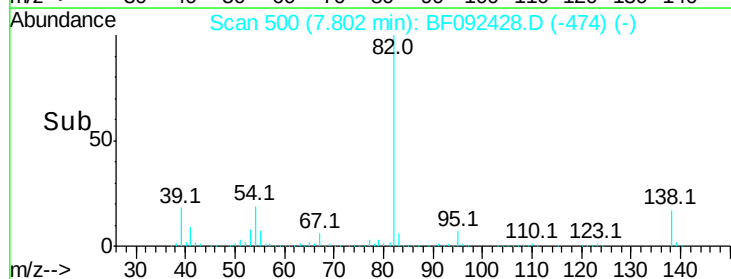
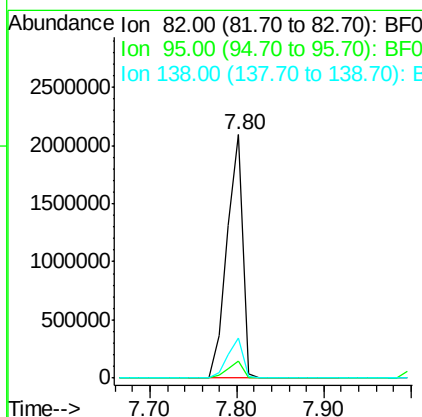
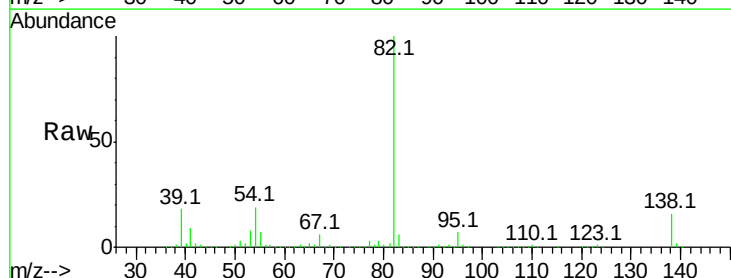
Instrument :
BNA_F
ClientSampled :
0036

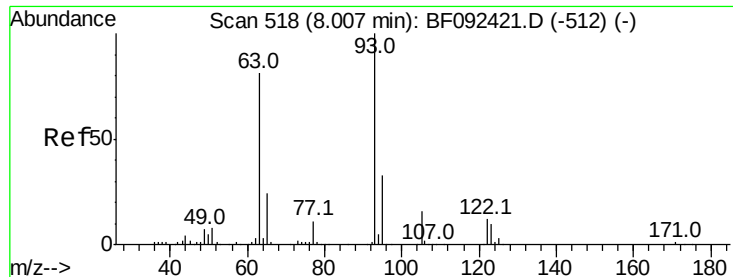
Tot Ion: 77 Resp: 411668
Ion Ratio Lower Upper
77 100
123 54.5 33.0 49.4#
65 13.0 11.2 16.8



#25
Isophorone
Concen: 120.02 ng
RT: 7.80 min Scan# 500
Delta R.T. 0.00 min
Lab File: BF092428.D
Acq: 24 Jan 2017 14:50

Tgt Ion: 82 Resp: 2622019
Ion Ratio Lower Upper
82 100
95 6.8 5.6 8.4
138 16.5 14.6 22.0

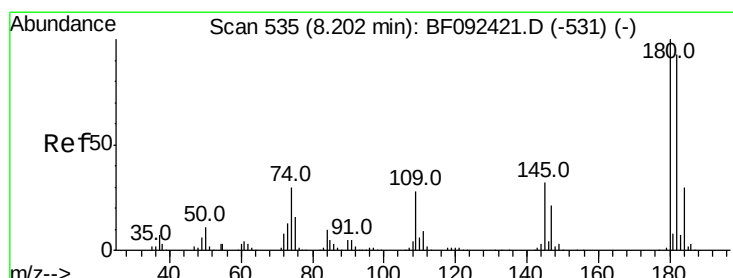
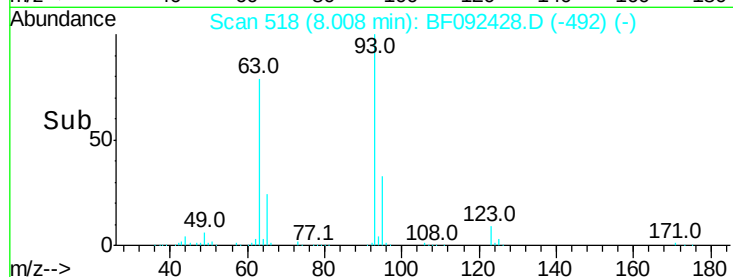
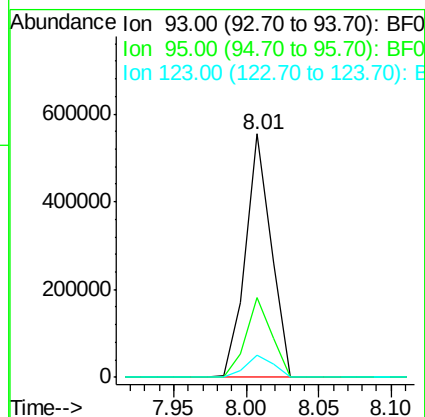
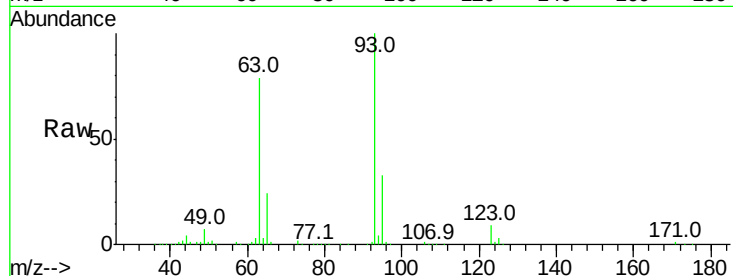




#28
 bis(2-Chloroethoxy)methane
 Concen: 47.24 ng
 RT: 8.01 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: BF092428.D
 Acq: 24 Jan 2017 14:50

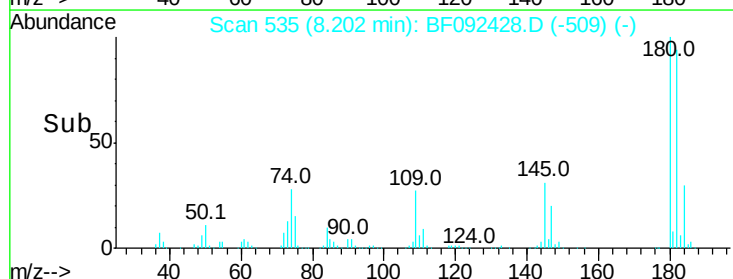
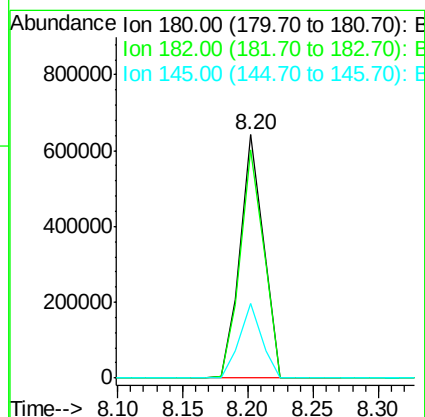
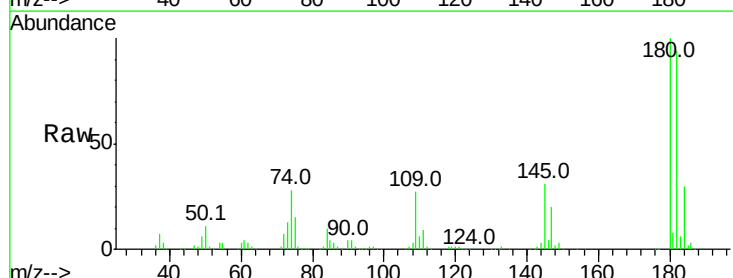
Instrument :
 BNA_F
 ClientSampleId :
 0036

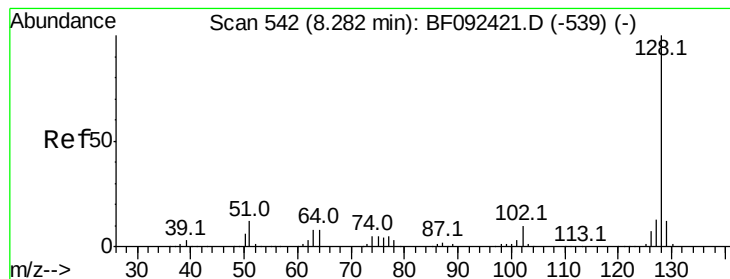
Tot Ion: 93 Resp: 677445
 Ion Ratio Lower Upper
 93 100
 95 32.6 26.5 39.7
 123 9.2 8.6 13.0



#30
 1,2,4-Trichlorobenzene
 Concen: 84.14 ng
 RT: 8.20 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: BF092428.D
 Acq: 24 Jan 2017 14:50

Tgt Ion: 180 Resp: 798104
 Ion Ratio Lower Upper
 180 100
 182 93.7 78.2 117.4
 145 30.8 21.6 32.4





#31

Naphthalene

Concen: 110.22 ng

RT: 8.29 min Scan# 543

Delta R.T. 0.01 min

Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

Instrument :

BNA_F

ClientSampleId :

0036

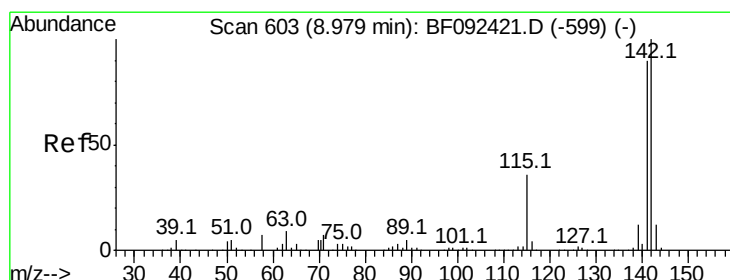
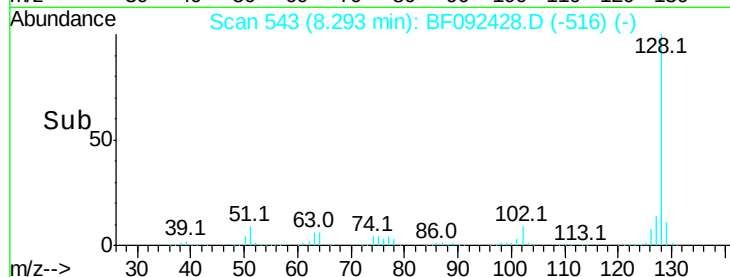
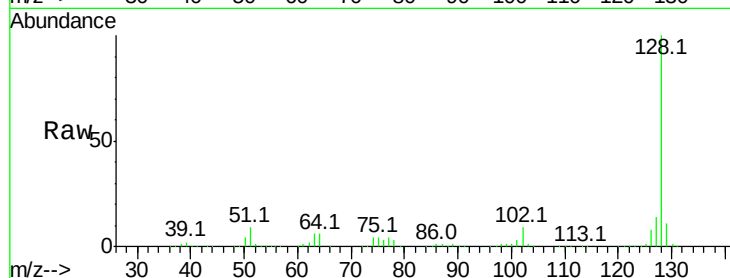
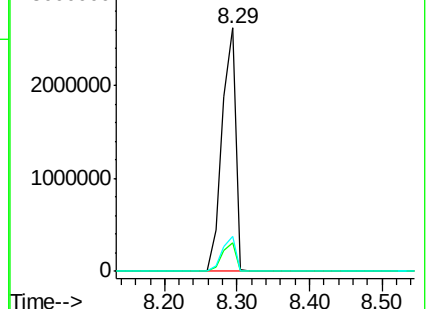
Tot Ion:128 Resp: 3416431

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.5	14.3
127	14.4	10.8	16.2

Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 81.26 ng

RT: 8.98 min Scan# 603

Delta R.T. 0.00 min

Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

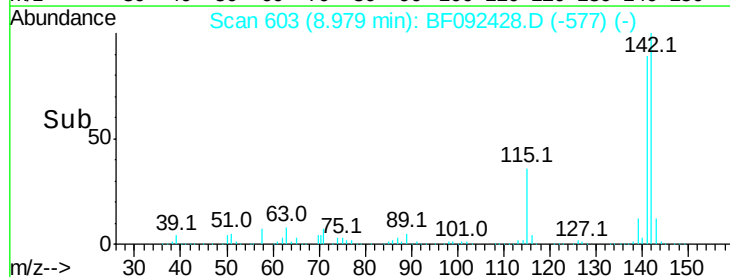
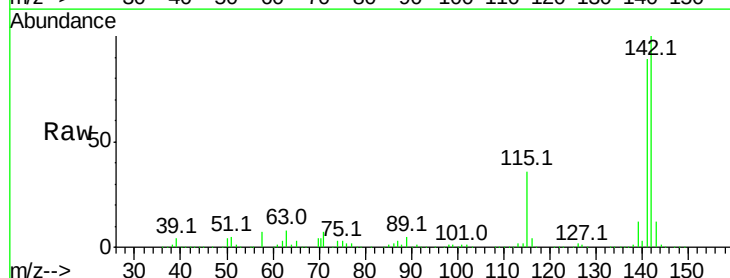
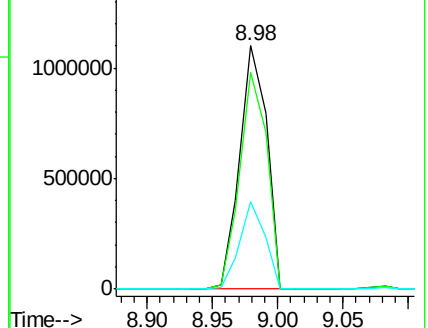
Tgt Ion:142 Resp: 1594467

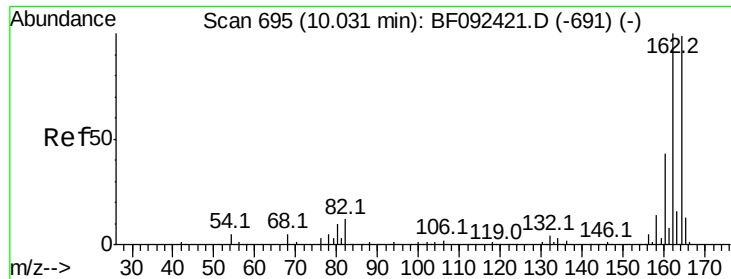
Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.0	106.6
115	35.9	28.3	42.5

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

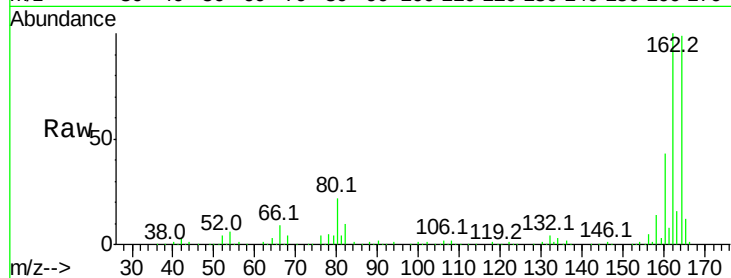




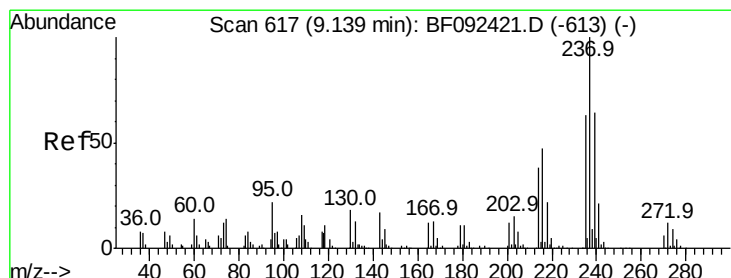
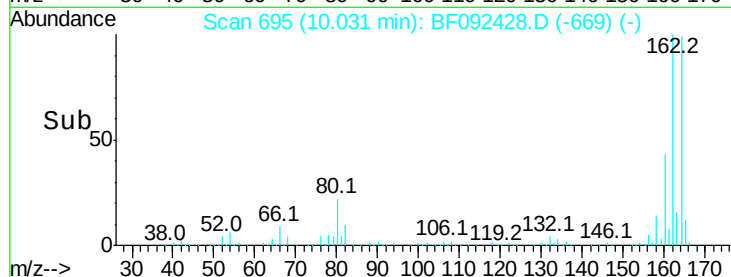
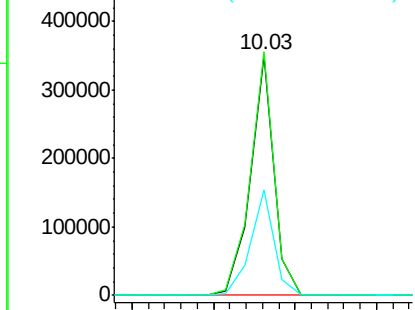
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.03 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: BF092428.D
 Acq: 24 Jan 2017 14:50

Instrument :
 BNA_F
 ClientSampleId :
 0036

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.2	120.2
160	43.9	36.9	55.3

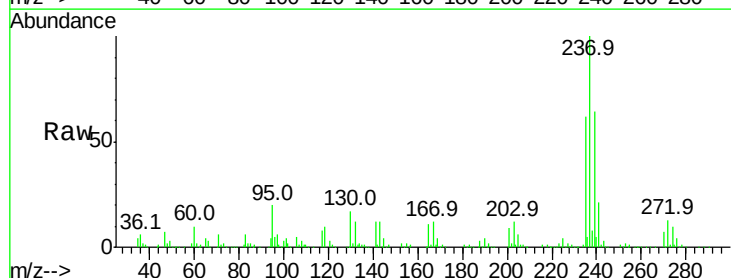


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

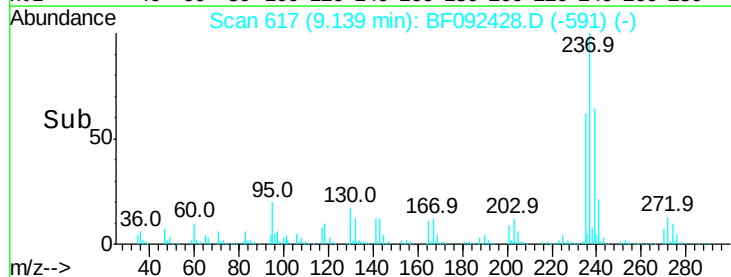
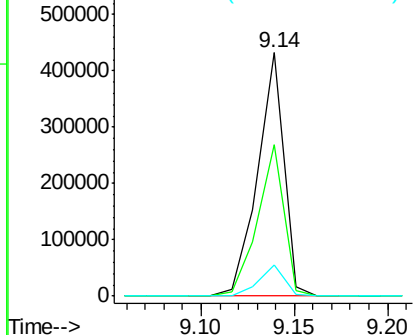


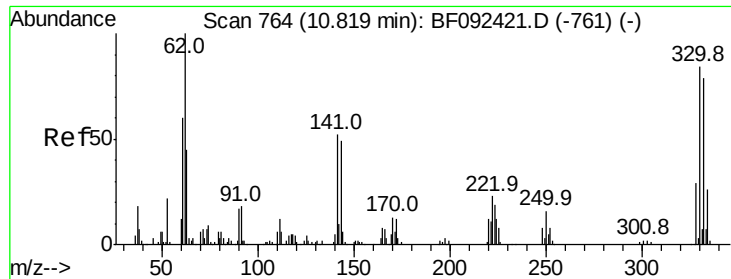
#40
 Hexachlorocyclopentadiene
 Concen: 95.49 ng
 RT: 9.14 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: BF092428.D
 Acq: 24 Jan 2017 14:50

Tgt Ion	Ratio	Lower	Upper
237	100		
235	62.0	41.2	81.2
272	12.6	0.0	35.4



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: 120.60 ng

RT: 10.82 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

Instrument :

BNA_F

ClientSampleId :

0036

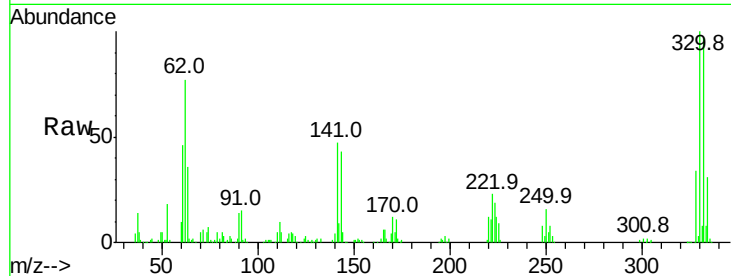
Tot Ion:330 Resp: 287811

Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.2

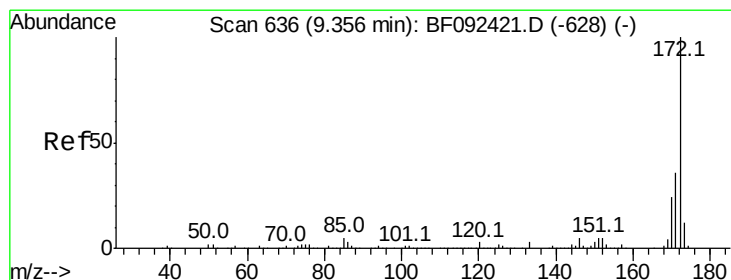
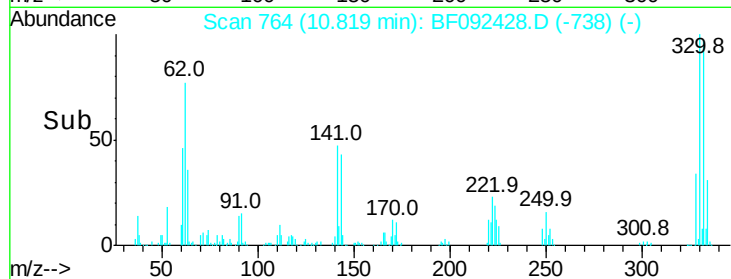
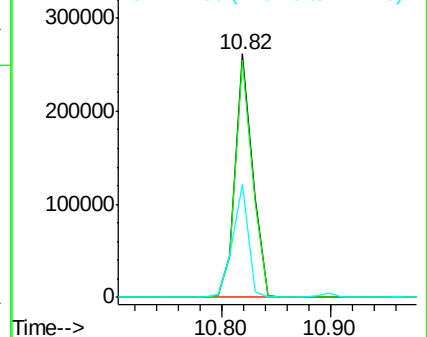
141 42.4 34.1 51.1



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



#44

2-Fluorobiphenyl

Concen: 103.97 ng

RT: 9.36 min Scan# 636

Delta R.T. 0.00 min

Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

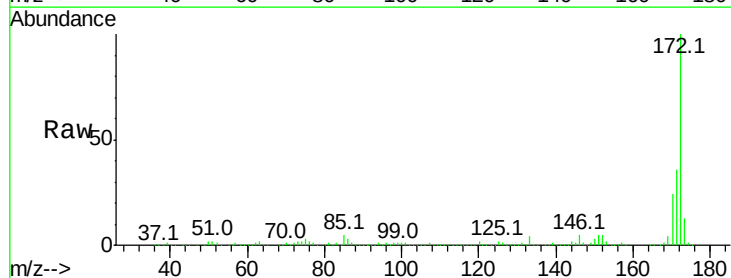
Tgt Ion:172 Resp: 1968908

Ion Ratio Lower Upper

172 100

171 35.8 29.4 44.0

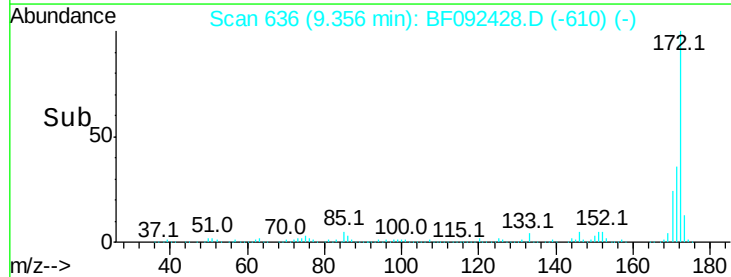
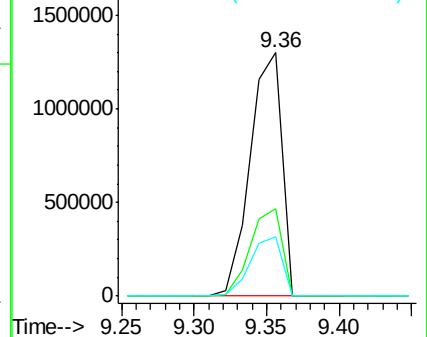
170 24.3 20.2 30.4

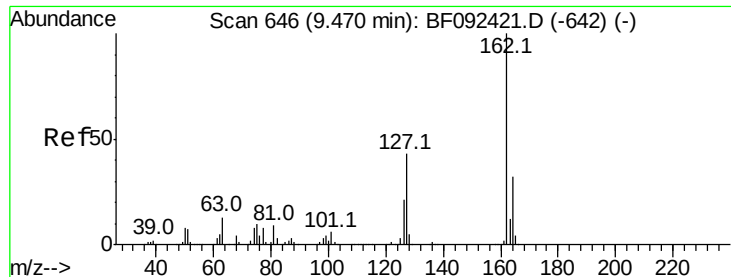


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

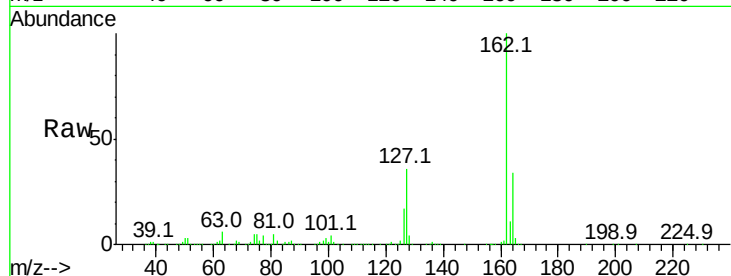




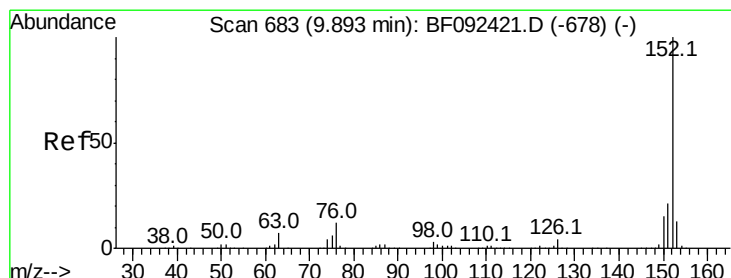
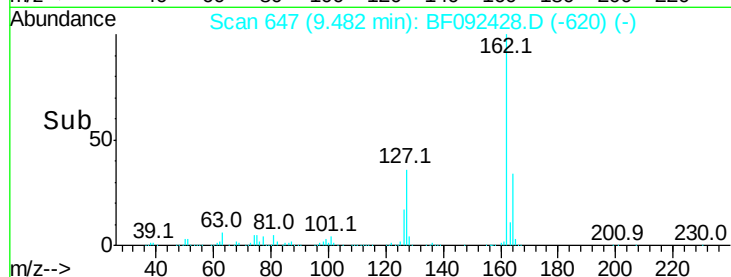
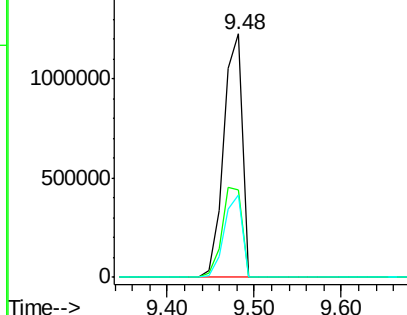
#46
 2-Chloronaphthalene
 Concen: 88.20 ng
 RT: 9.48 min Scan# 647
 Delta R.T. 0.01 min
 Lab File: BF092428.D
 Acq: 24 Jan 2017 14:50

Instrument :
 BNA_F
 ClientSampleId :
 0036

Tot Ion:162 Resp: 1823719
 Ion Ratio Lower Upper
 162 100
 127 35.7 30.7 46.1
 164 33.7 27.6 41.4

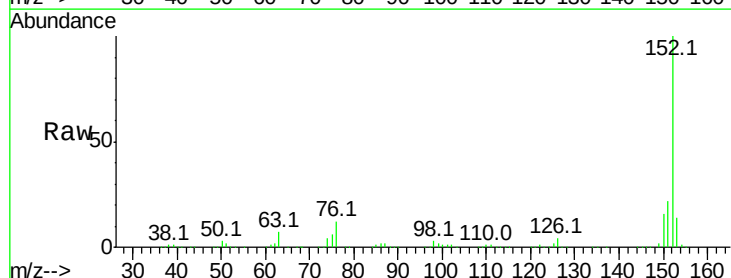


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

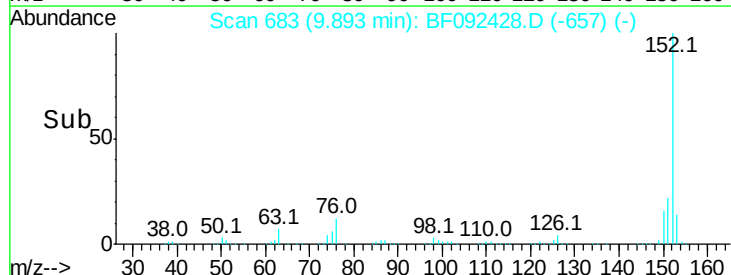
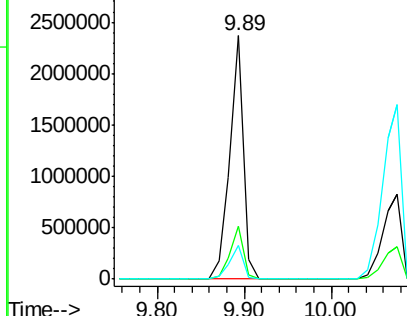


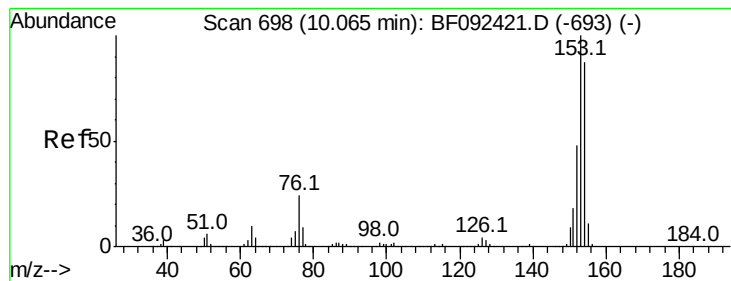
#48
 Acenaphthylene
 Concen: 84.64 ng
 RT: 9.89 min Scan# 683
 Delta R.T. 0.00 min
 Lab File: BF092428.D
 Acq: 24 Jan 2017 14:50

Tgt Ion:152 Resp: 2566720
 Ion Ratio Lower Upper
 152 100
 151 21.5 16.9 25.3
 153 13.7 11.4 17.2



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





#51

Acenaphthene

Concen: 118.49 ng

RT: 10.08 min Scan# 699

Delta R.T. 0.01 min

Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

Instrument :

BNA_F

ClientSampleId :

0036

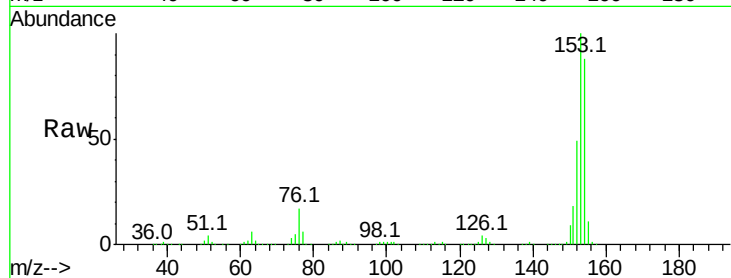
Tot Ion:154 Resp: 2232754

Ion Ratio Lower Upper

154 100

153 113.5 88.6 133.0

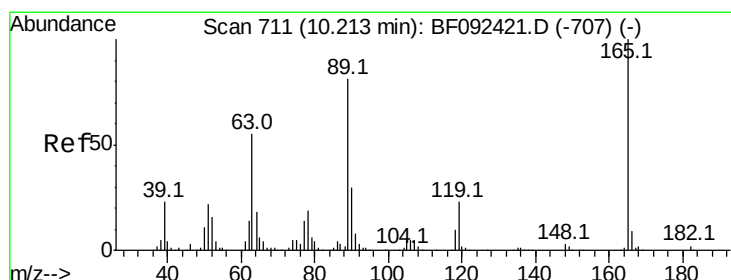
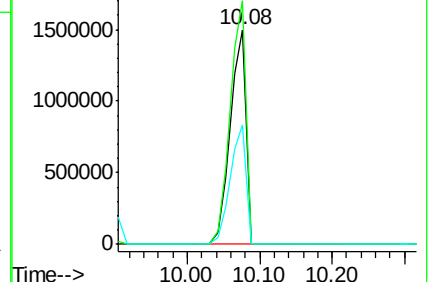
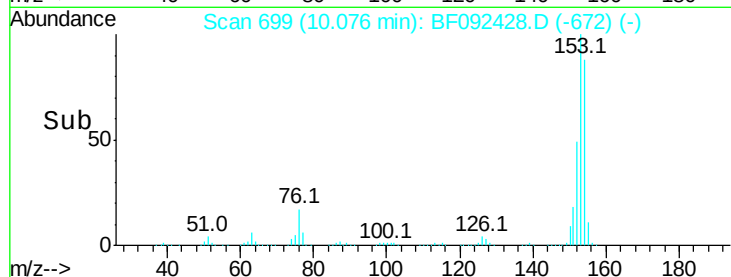
152 55.4 41.6 62.4



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



#56

2,4-Dinitrotoluene

Concen: 25.70 ng

RT: 10.20 min Scan# 710

Delta R.T. -0.01 min

Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

Tgt Ion:165 Resp: 155261

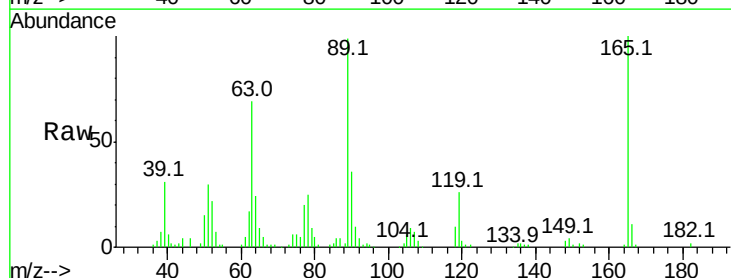
Ion Ratio Lower Upper

165 100

63 68.5 40.2 60.4#

89 98.5 62.5 93.7#

182 2.2 1.8 2.8

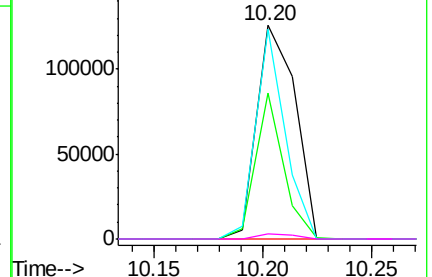
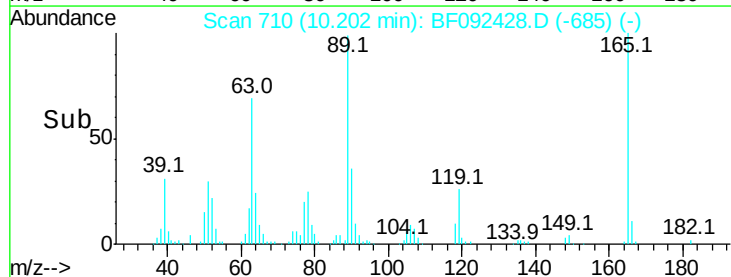


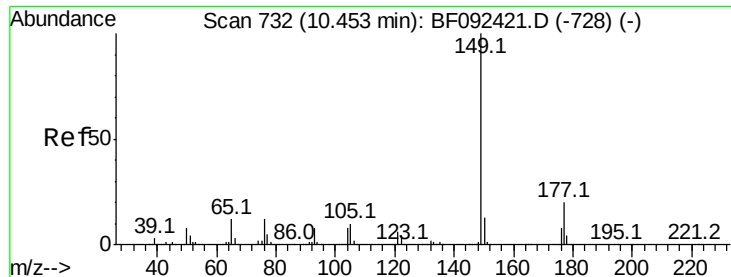
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

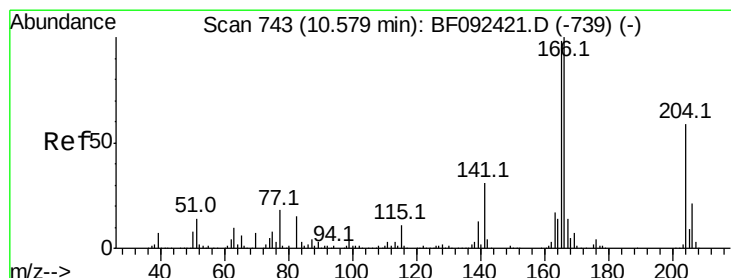
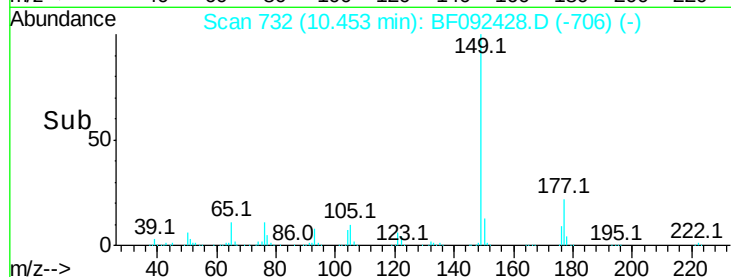
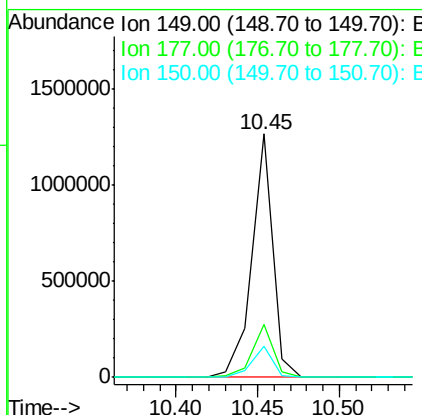
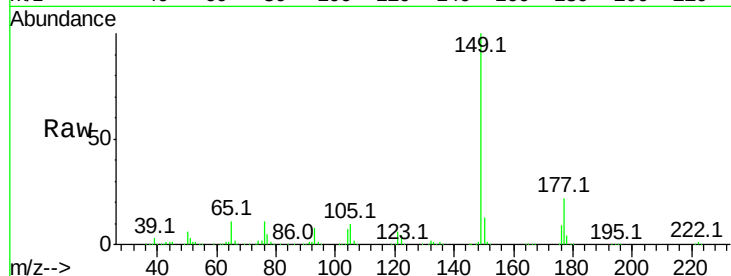




#59
Diethylphthalate
Concen: 52.97 ng
RT: 10.45 min Scan# 732
Delta R.T. 0.00 min
Lab File: BF092428.D
Acq: 24 Jan 2017 14:50

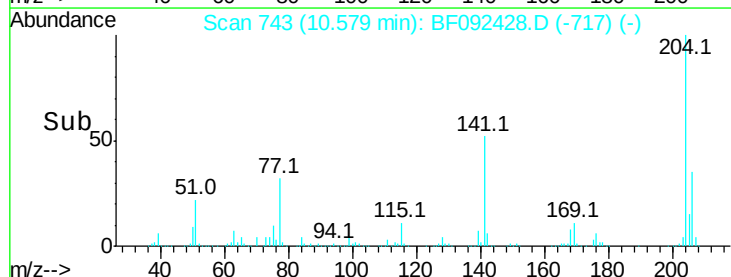
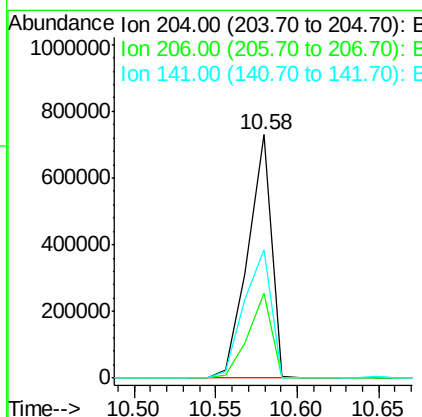
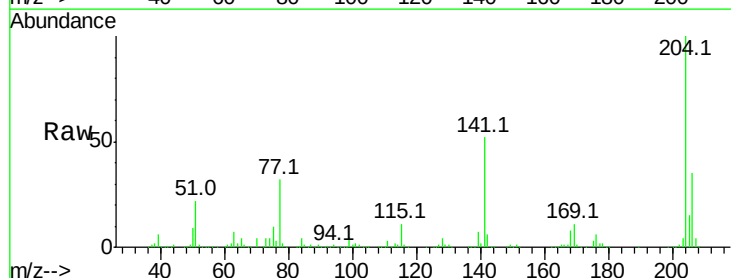
Instrument :
BNA_F
ClientSampleId :
0036

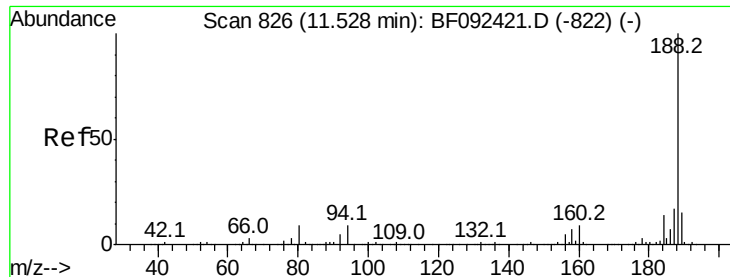
Tot Ion:149 Resp: 1131171
Ion Ratio Lower Upper
149 100
177 21.9 16.6 25.0
150 12.8 10.4 15.6



#60
4-Chlorophenyl-phenylether
Concen: 80.20 ng
RT: 10.58 min Scan# 743
Delta R.T. 0.00 min
Lab File: BF092428.D
Acq: 24 Jan 2017 14:50

Tgt Ion:204 Resp: 737991
Ion Ratio Lower Upper
204 100
206 34.8 25.8 38.6
141 52.5 59.4 89.0#

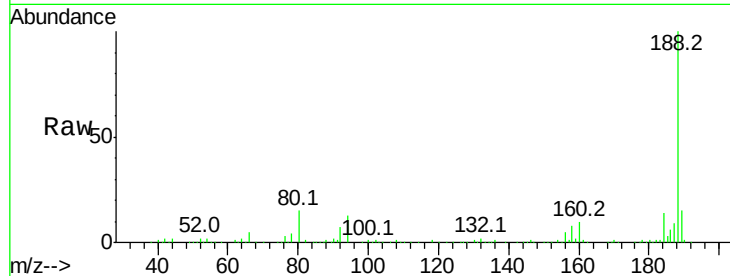




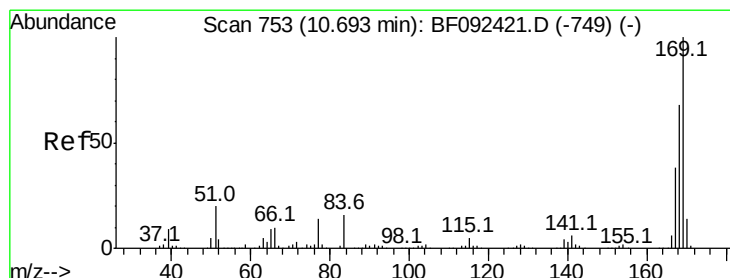
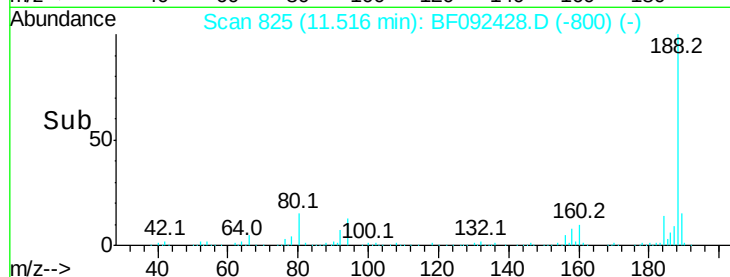
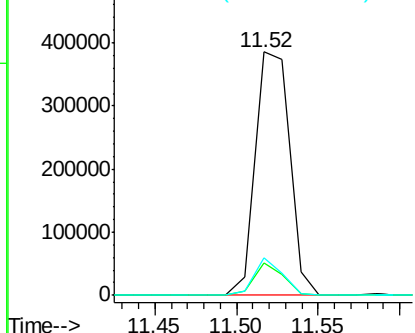
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.52 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF092428.D
 Acq: 24 Jan 2017 14:50

Instrument :
 BNA_F
 ClientSampleId :
 0036

Tot Ion:188 Resp: 568001
 Ion Ratio Lower Upper
 188 100
 94 13.2 10.0 15.0
 80 15.4 11.2 16.8

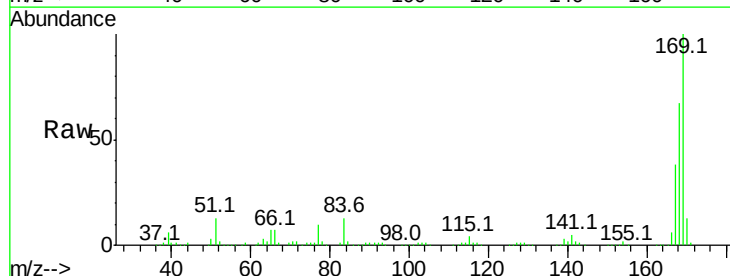


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

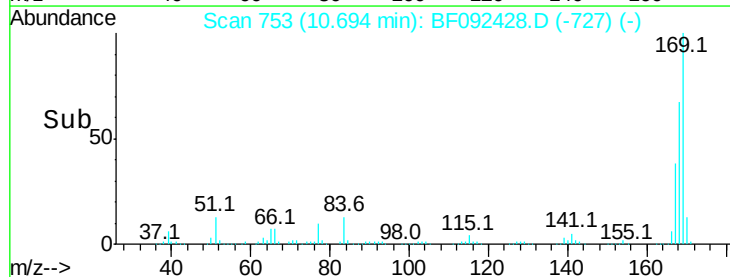
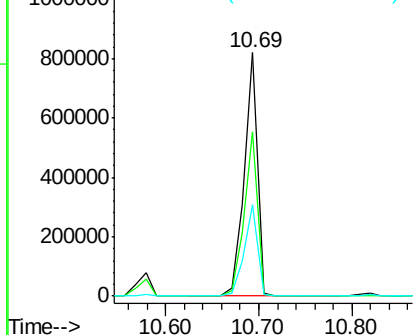


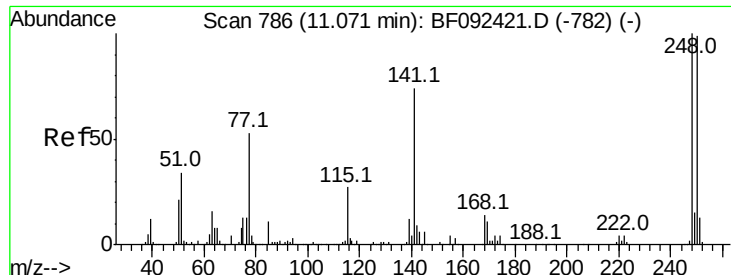
#65
 n-Nitrosodiphenylamine
 Concen: 45.35 ng
 RT: 10.69 min Scan# 753
 Delta R.T. 0.00 min
 Lab File: BF092428.D
 Acq: 24 Jan 2017 14:50

Tgt Ion:169 Resp: 804388
 Ion Ratio Lower Upper
 169 100
 168 67.5 54.2 81.2
 167 37.7 30.2 45.4



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

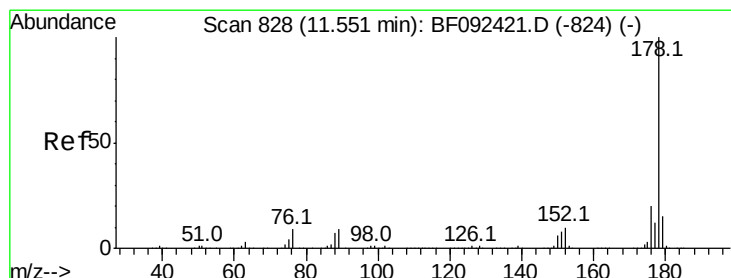
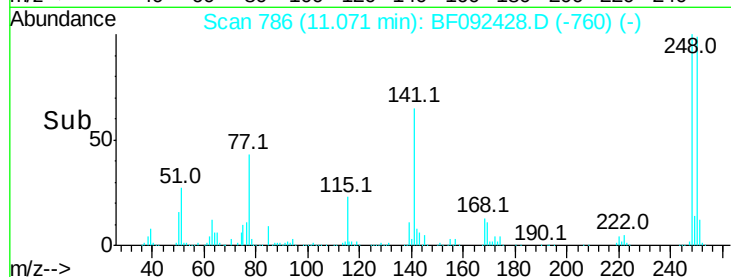
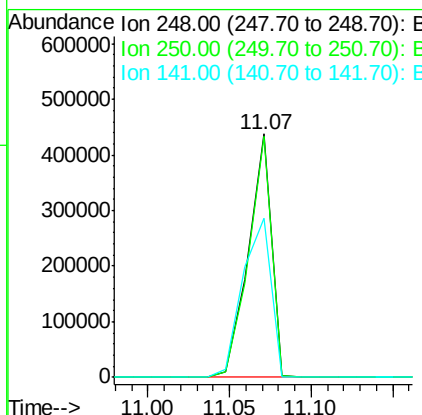
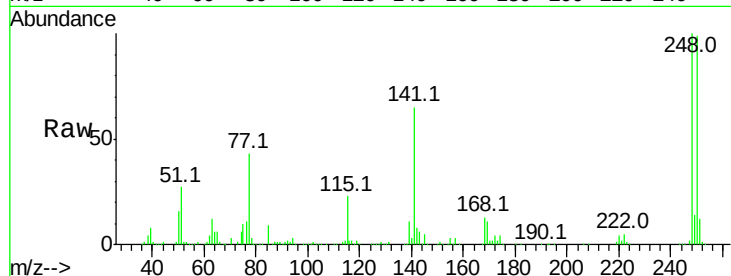




#66
 4-Bromophenyl-phenylether
 Concen: 75.16 ng
 RT: 11.07 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: BF092428.D
 Acq: 24 Jan 2017 14:50

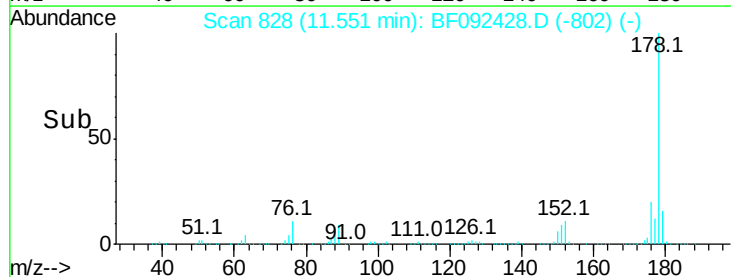
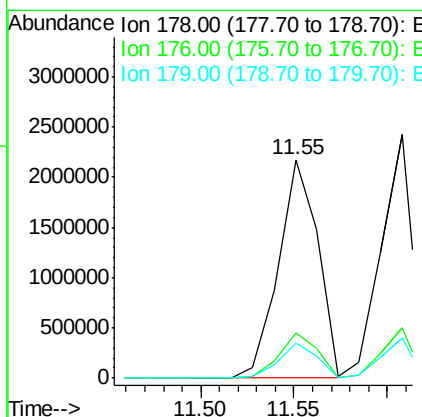
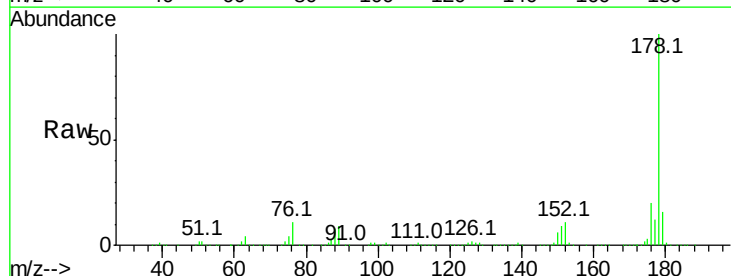
Instrument :
 BNA_F
 ClientSampled :
 0036

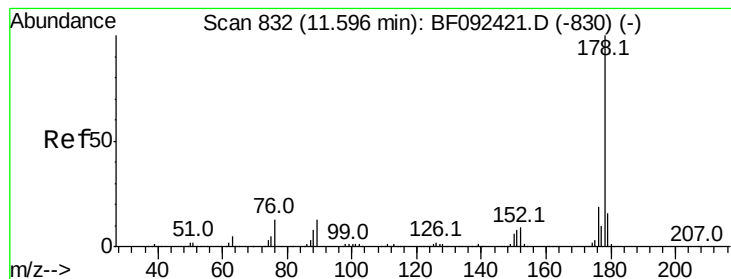
Tot Ion:248 Resp: 431058
 Ion Ratio Lower Upper
 248 100
 250 98.8 76.9 115.3
 141 65.3 68.2 102.4#



#70
 Phenanthrene
 Concen: 102.15 ng
 RT: 11.55 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: BF092428.D
 Acq: 24 Jan 2017 14:50

Tgt Ion:178 Resp: 3195254
 Ion Ratio Lower Upper
 178 100
 176 20.5 16.6 25.0
 179 16.1 12.8 19.2





#71

Anthracene

Concen: 90.42 ng

RT: 11.61 min Scan# 833

Delta R.T. 0.01 min

Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

Instrument :

BNA_F

ClientSampleId :

0036

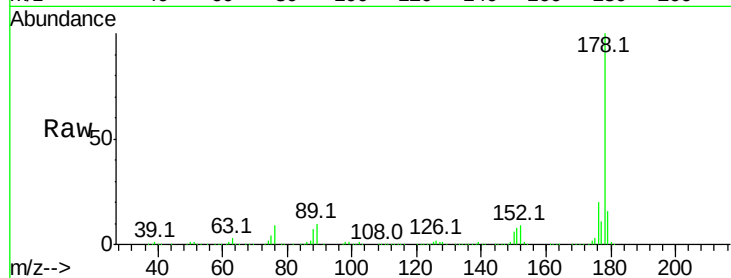
Tot Ion:178 Resp: 2763955

Ion Ratio Lower Upper

178 100

176 20.5 15.9 23.9

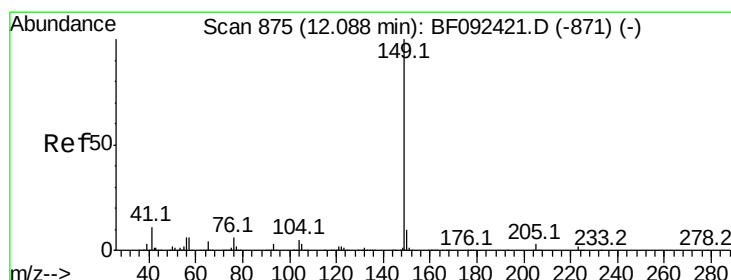
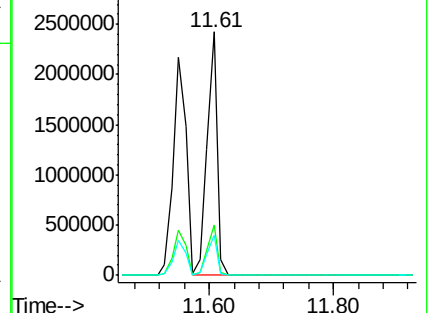
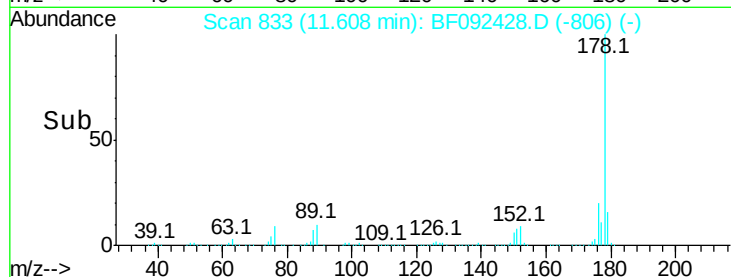
179 16.4 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Di-n-butylphthalate

Concen: 85.10 ng

RT: 12.09 min Scan# 875

Delta R.T. 0.00 min

Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

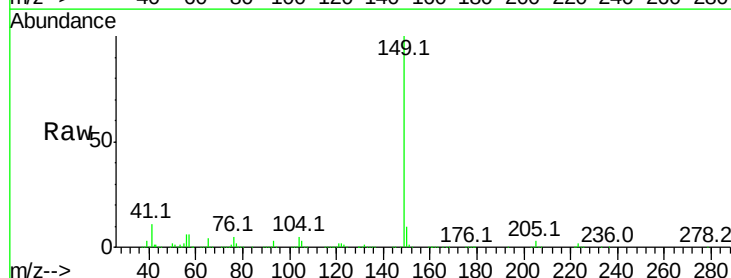
Tgt Ion:149 Resp: 2840214

Ion Ratio Lower Upper

149 100

150 9.9 8.1 12.1

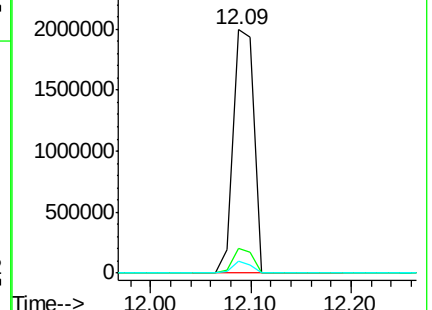
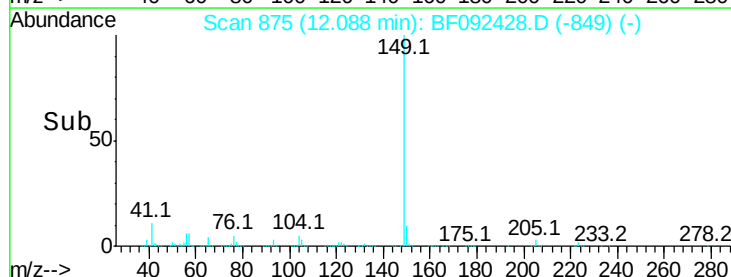
104 5.1 4.6 7.0

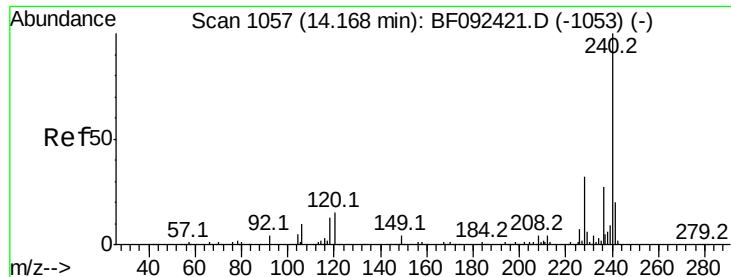


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.18 min Scan# 1058

Delta R.T. 0.01 min

Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

Instrument :

BNA_F

ClientSampleId :

0036

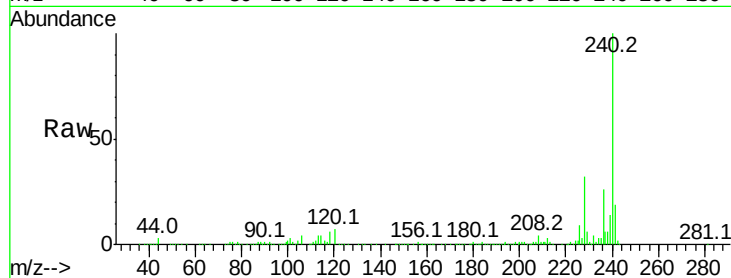
Tot Ion:240 Resp: 314071

Ion Ratio Lower Upper

240 100

120 7.0 12.9 19.3#

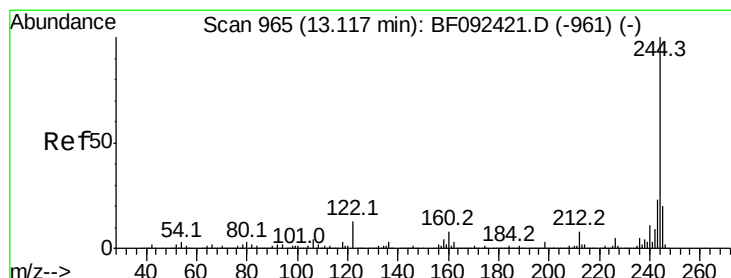
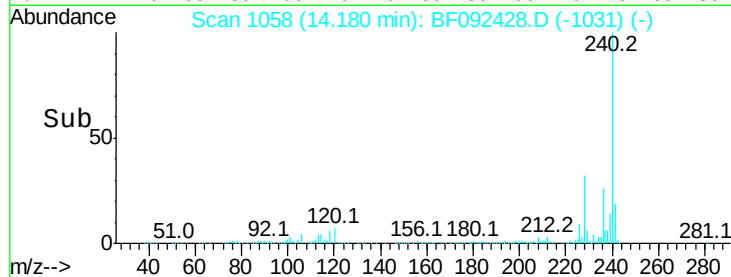
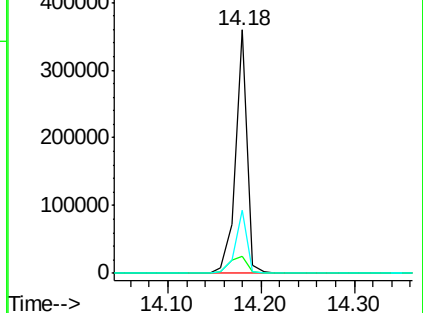
236 25.8 20.9 31.3



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



#78

Terphenyl-d14

Concen: 140.32 ng

RT: 13.12 min Scan# 965

Delta R.T. 0.00 min

Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

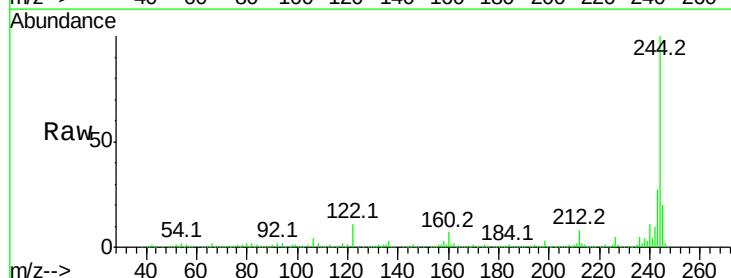
Tgt Ion:244 Resp: 1654988

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

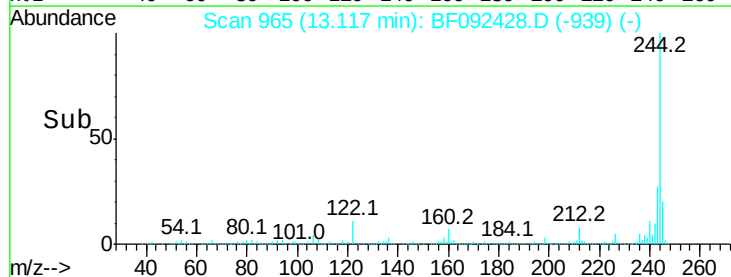
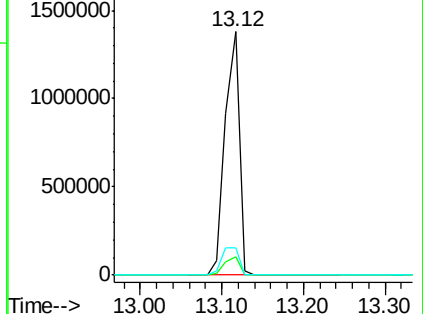
122 11.2 11.4 17.2#

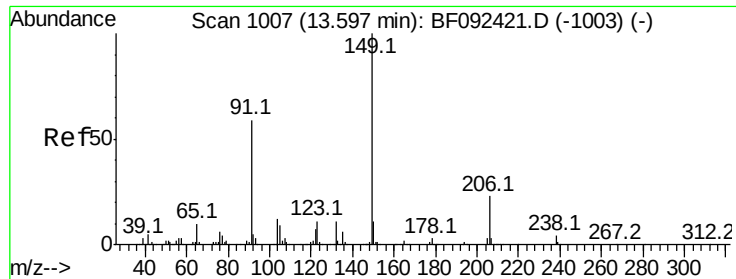


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 190.12 ng

RT: 13.60 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

Instrument :

BNA_F

ClientSampleId :

0036

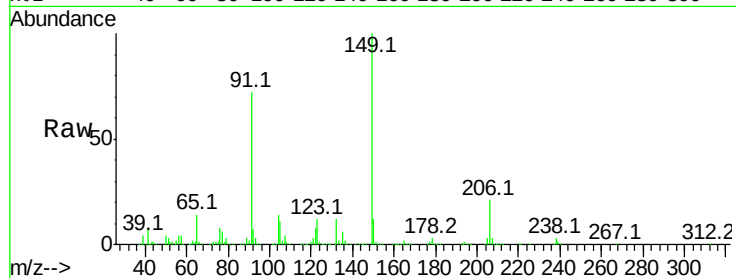
Tot Ion:149 Resp: 1752727

Ion Ratio Lower Upper

149 100

91 71.9 63.9 95.9

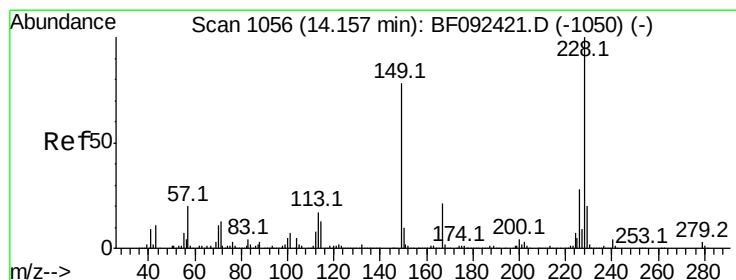
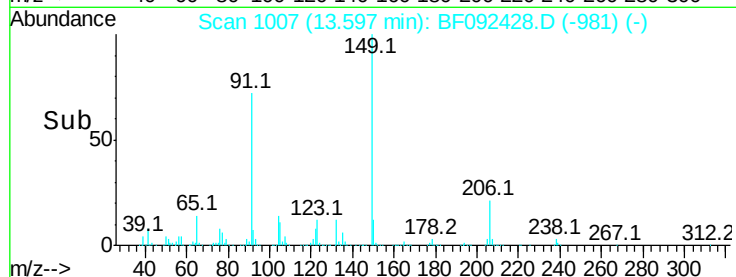
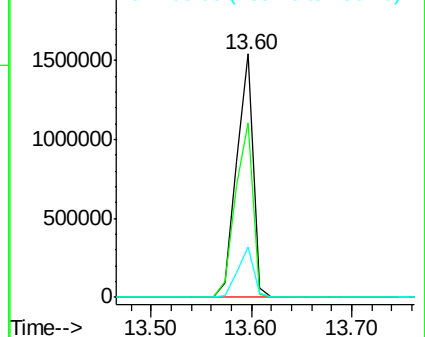
206 20.7 14.6 21.8



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: 200.54 ng

RT: 14.17 min Scan# 1057

Delta R.T. 0.01 min

Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

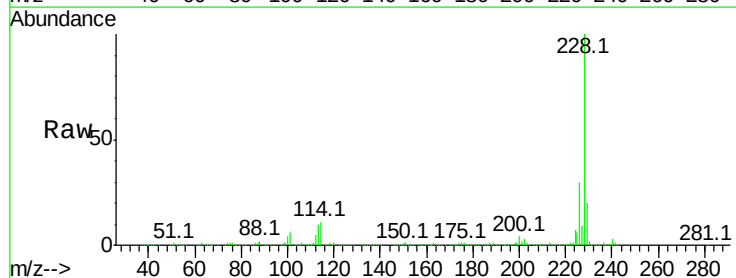
Tgt Ion:228 Resp: 3384996

Ion Ratio Lower Upper

228 100

226 29.6 22.4 33.6

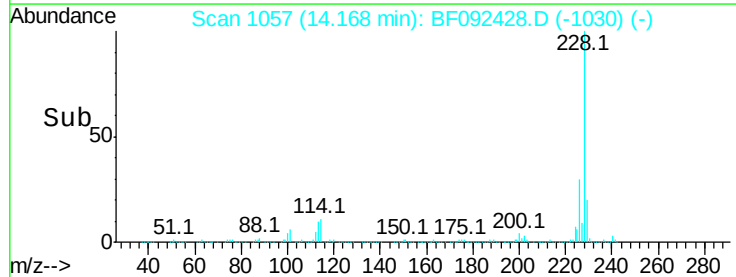
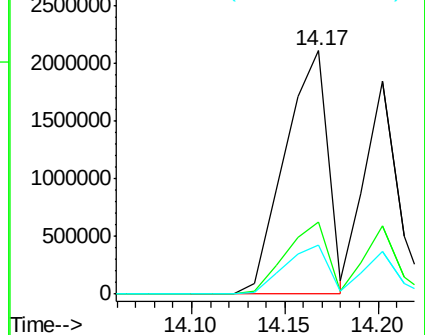
229 20.2 16.2 24.4

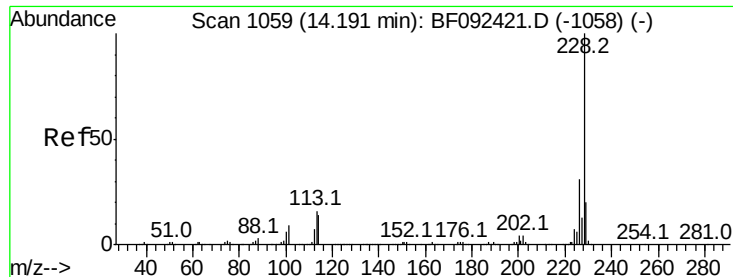


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



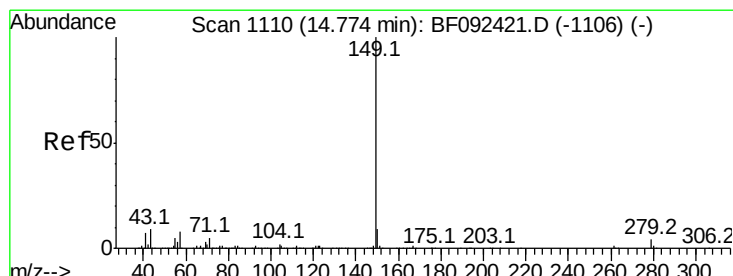
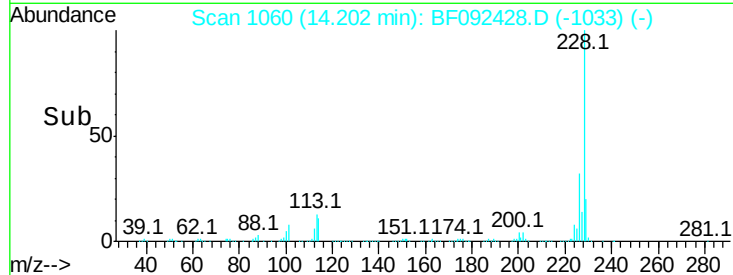
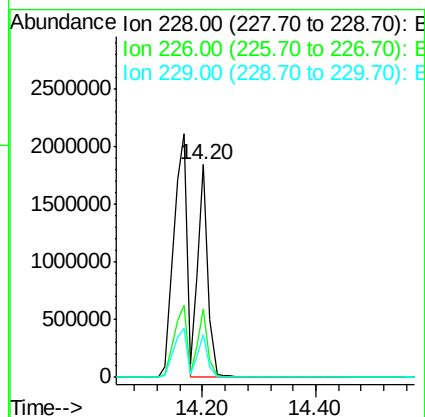
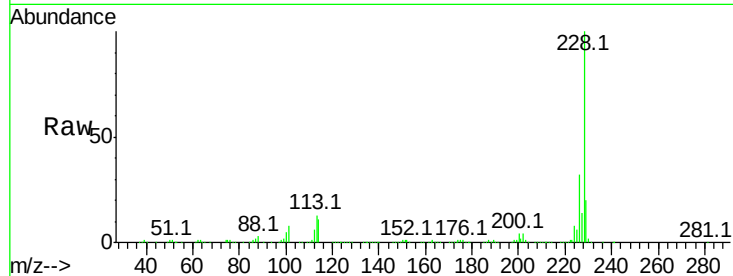


#82
 Chrysene
 Concen: 125.97 ng
 RT: 14.20 min Scan# 1060
 Delta R.T. 0.01 min
 Lab File: BF092428.D
 Acq: 24 Jan 2017 14:50

Instrument :
 BNA_F
 ClientSampleId :
 0036

Tot Ion:228 Resp: 2270741

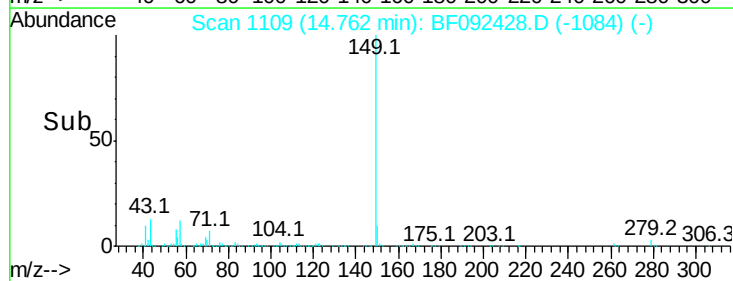
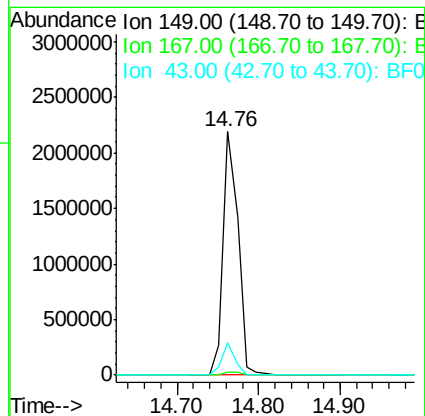
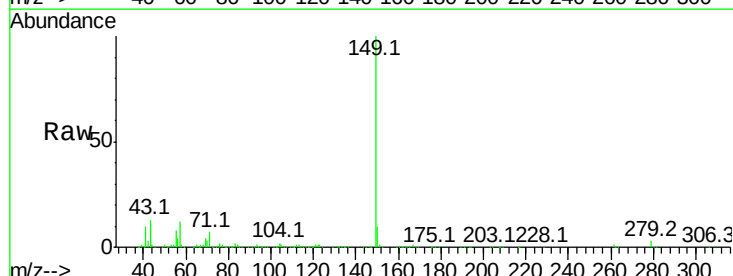
Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.4	38.0
229	20.3	16.2	24.2

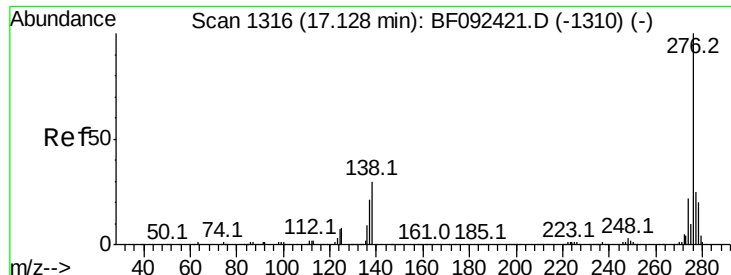


#84
 Di-n-octyl phthalate
 Concen: 130.39 ng
 RT: 14.76 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: BF092428.D
 Acq: 24 Jan 2017 14:50

Tgt Ion:149 Resp: 2748283

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	11.7	8.9	13.3



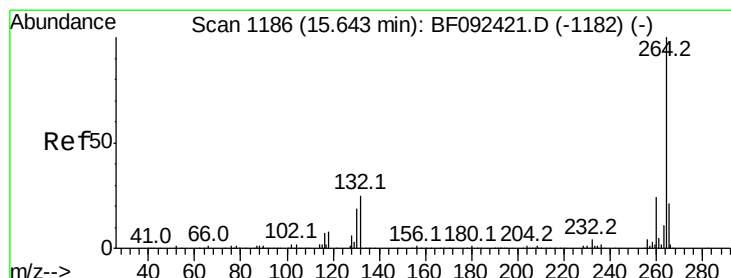
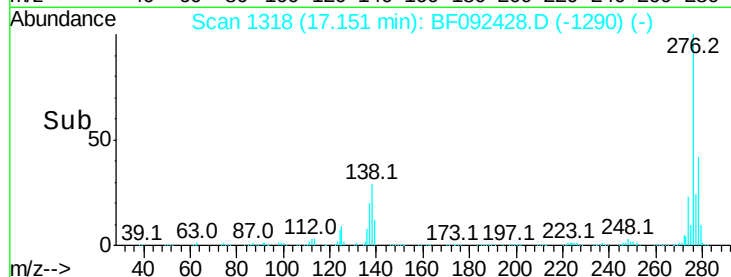
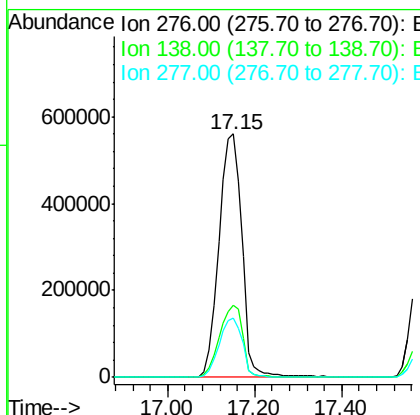
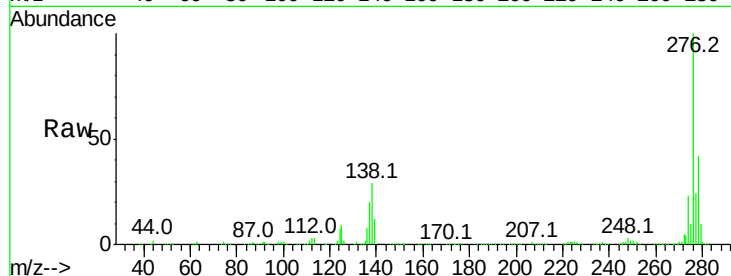


#85
 Indeno(1,2,3-cd)pyrene
 Concen: 155.11 ng
 RT: 17.15 min Scan# 1318
 Delta R.T. 0.02 min
 Lab File: BF092428.D
 Acq: 24 Jan 2017 14:50

Instrument :
 BNA_F
 ClientSampleId :
 0036

Tot Ion:276 Resp: 2068683

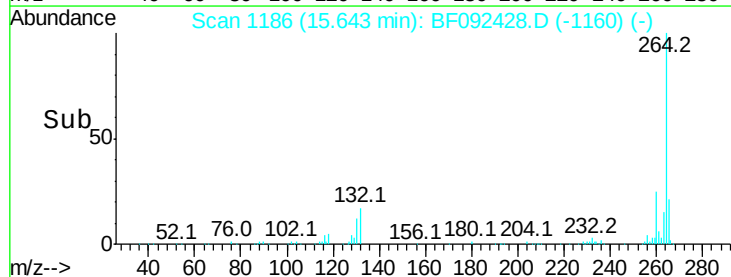
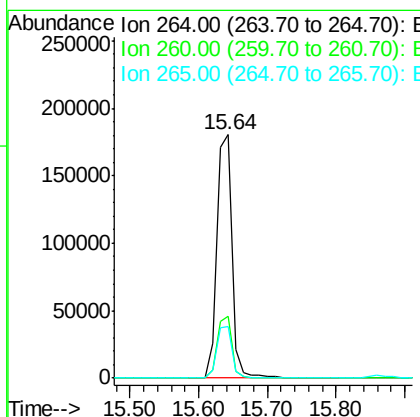
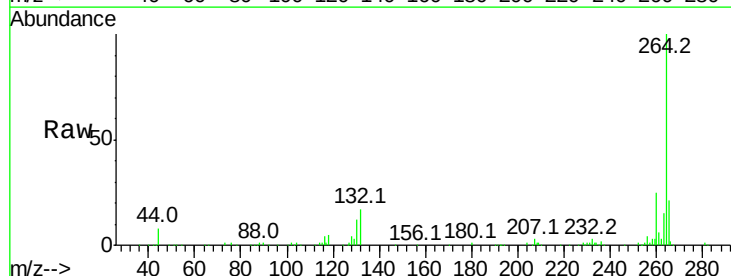
Ion	Ratio	Lower	Upper
276	100		
138	30.2	21.8	32.6
277	24.3	20.2	30.4

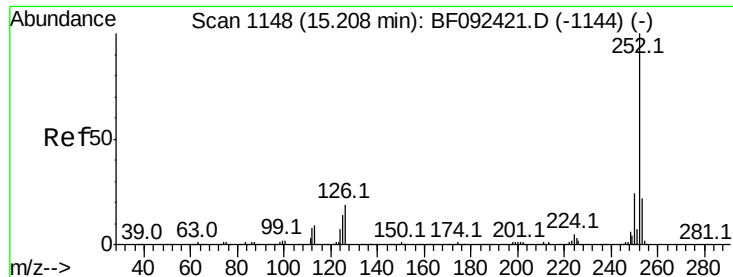


#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.64 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF092428.D
 Acq: 24 Jan 2017 14:50

Tgt Ion:264 Resp: 283752

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.2	28.8
265	21.0	17.4	26.0

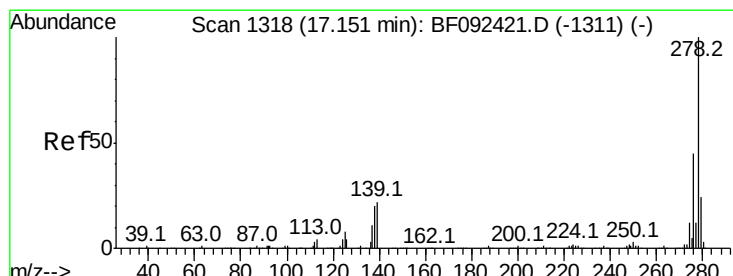
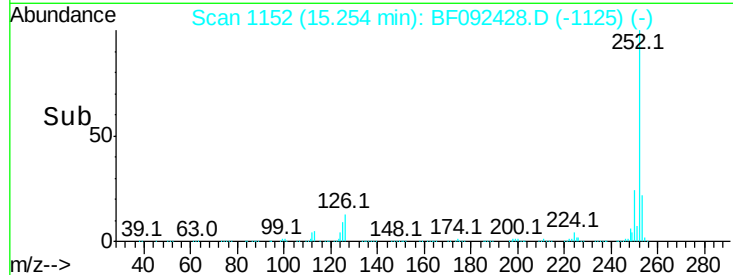
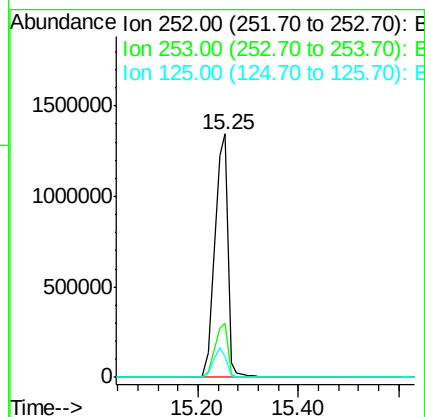
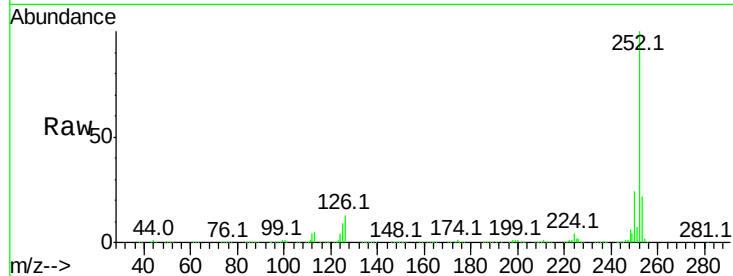




#88
Benzo(k)fluoranthene
Concen: 158.74 ng
RT: 15.25 min Scan# 1152
Delta R.T. 0.01 min
Lab File: BF092428.D
Acq: 24 Jan 2017 14:50

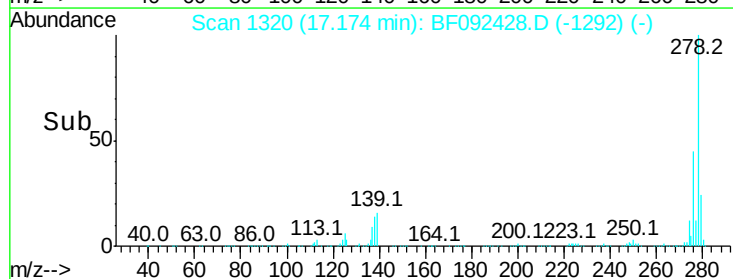
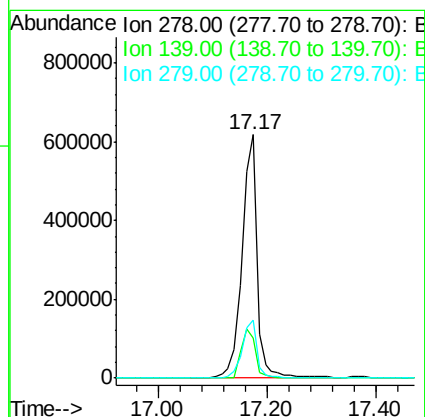
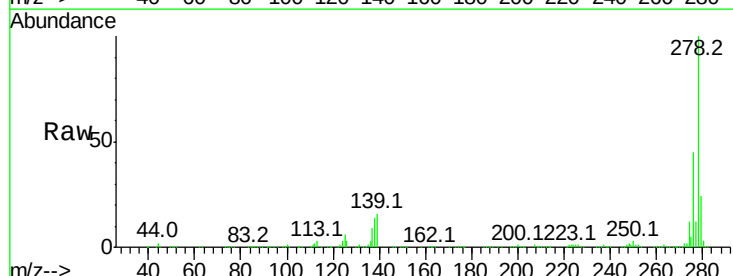
Instrument :
BNA_F
ClientSampleId :
0036

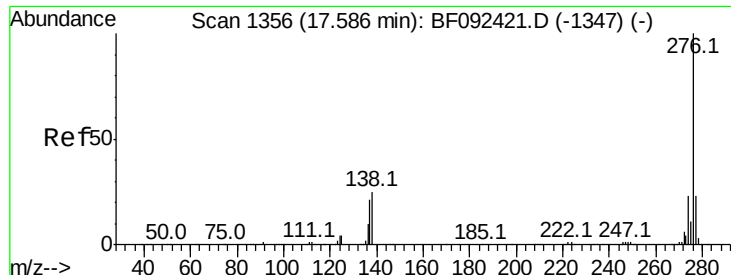
Tot Ion:252 Resp: 2404411
Ion Ratio Lower Upper
252 100
253 22.1 18.5 27.7
125 8.7 8.9 13.3#



#90
Dibenzo(a,h)anthracene
Concen: 94.11 ng
RT: 17.17 min Scan# 1320
Delta R.T. 0.02 min
Lab File: BF092428.D
Acq: 24 Jan 2017 14:50

Tgt Ion:278 Resp: 1172747
Ion Ratio Lower Upper
278 100
139 16.2 14.8 22.2
279 24.0 19.8 29.6





#91

Benzo(a,h,i)perylene

Concen: 206.83 ng

RT: 17.62 min Scan# 1359

Delta R.T. 0.03 min

Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

Instrument :

BNA_F

ClientSampleId :

0036

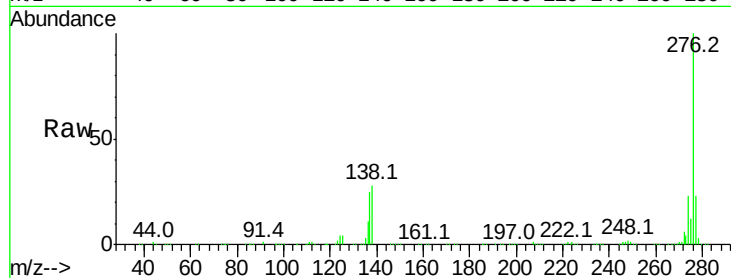
Tot Ion:276 Resp: 2606475

Ion Ratio Lower Upper

276 100

277 23.5 19.2 28.8

138 28.4 16.0 24.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

