

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 16:15:41 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
6) Aniline	6.70	93	905340	47.88	ng	# 24
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
26) 2-Nitrophenol	7.80	139	42055	8.64	ng	# 55
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
32) Benzoic acid	8.20	122	3706	5.14	ng	# 7
33) 4-Chloroaniline	8.29	127	484379	36.94	ng	# 36
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
50) 2,6-Dinitrotoluene	10.03	165	44262	9.72	ng	# 31
51) Acenaphthene	10.08	154	2232754	118.49	ng	97
55) 4-Nitrophenol	10.08	139	17180	3.79	ng	# 40
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
62) Azobenzene	10.69	77	100143	4.12	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.58	198	241	5.02	ng	# 1
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
76) Benzidine	13.12	184	23486	2.01	ng	# 94

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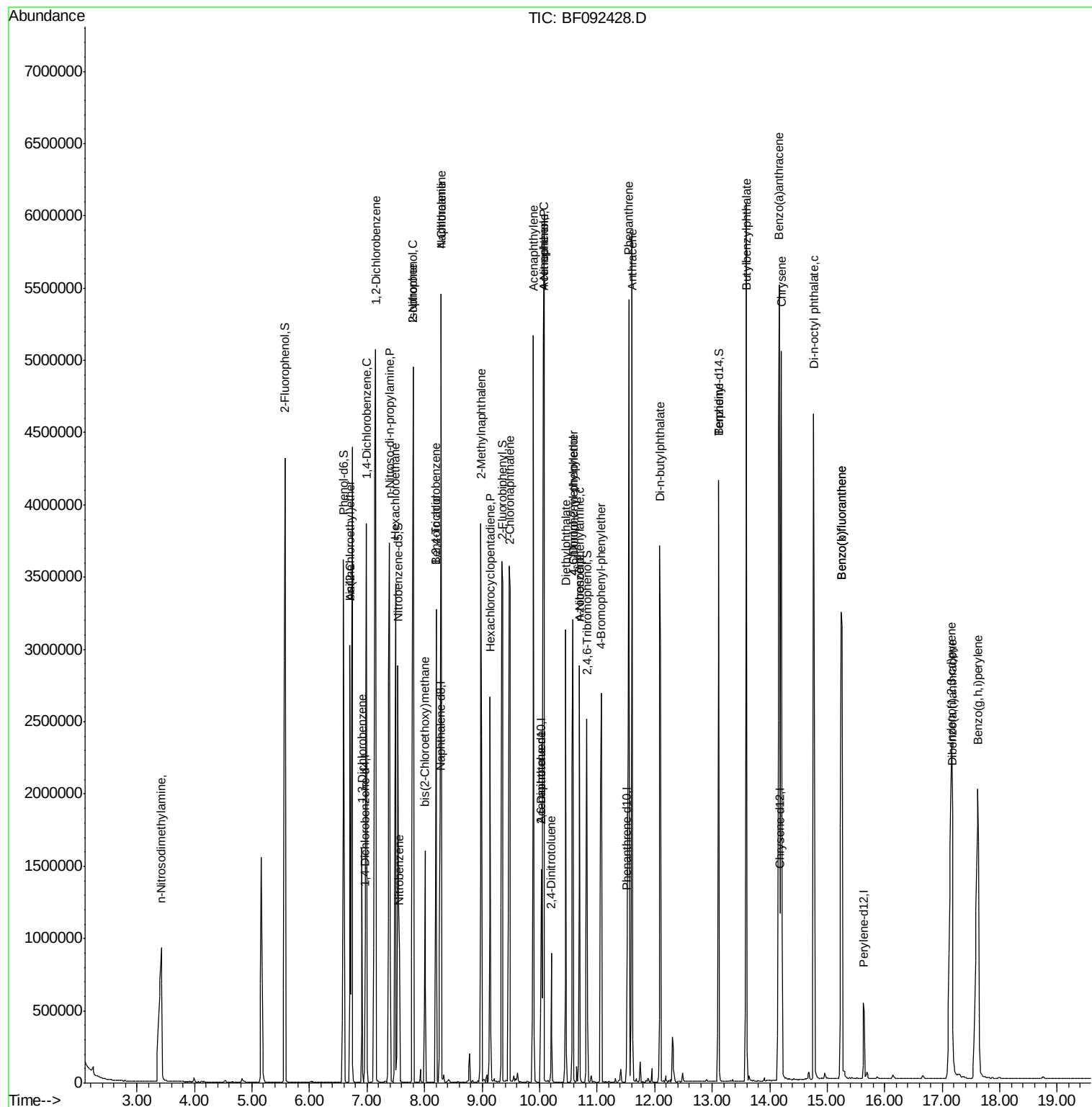
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Butylbenzylphthalate	13.60	149	1752727	190.12	nq	92
80) Benzo(a)anthracene	14.17	228	3384996	200.54	nq	98
82) Chrysene	14.20	228	2270741	125.97	nq	100
84) Di-n-octyl phthalate	14.76	149	2748283	130.39	nq	99
85) Indeno(1,2,3-cd)pyrene	17.15	276	2068683	155.11	nq	96
87) Benzo(b)fluoranthene	15.25	252	2403240	131.93	nq	# 96
88) Benzo(k)fluoranthene	15.25	252	2404411	158.74	nq	# 97
90) Dibenzo(a,h)anthracene	17.17	278	1172747	94.11	nq	97
91) Benzo(g,h,i)perylene	17.62	276	2606475	206.83	nq	# 91

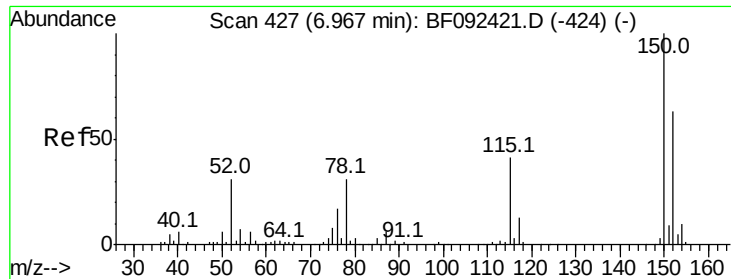
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

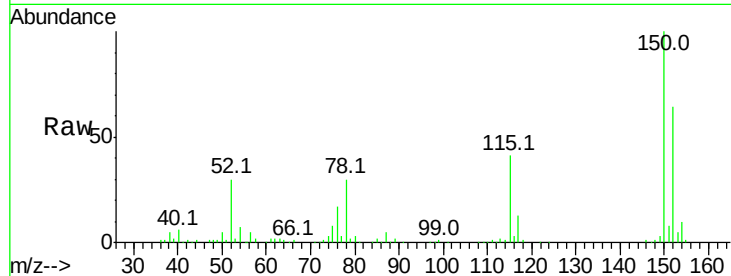
Tot Ion:152 Resp: 154824

Ion Ratio Lower Upper

152 100

150 156.2 124.9 187.3

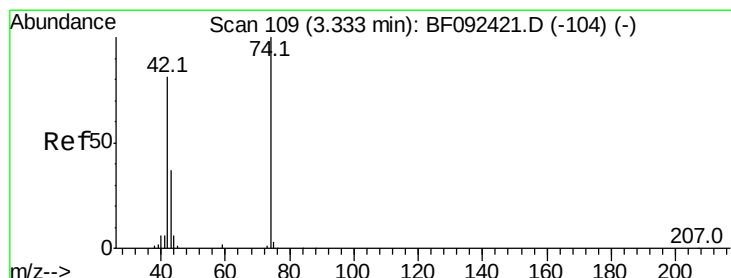
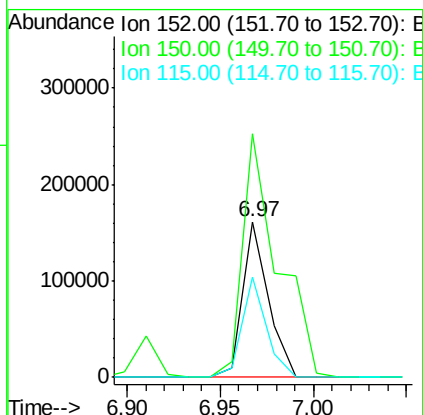
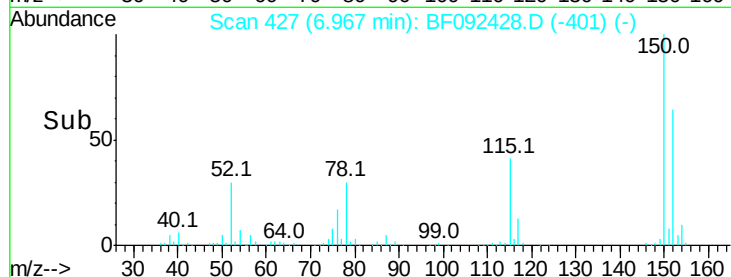
115 64.5 46.0 69.0



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

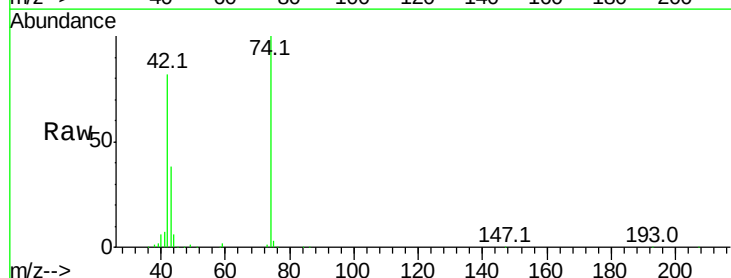
Tgt Ion: 42 Resp: 1093116

Ion Ratio Lower Upper

42 100

74 121.4 117.0 175.4

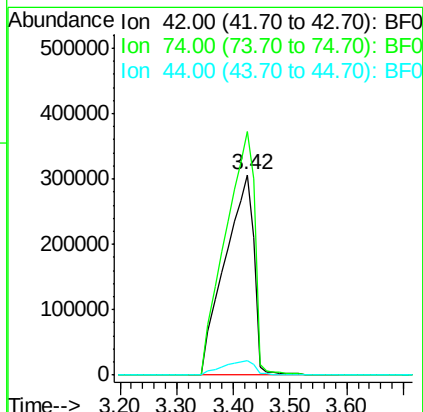
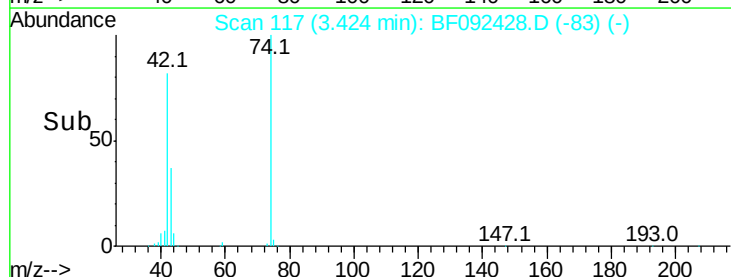
44 7.5 5.5 8.3

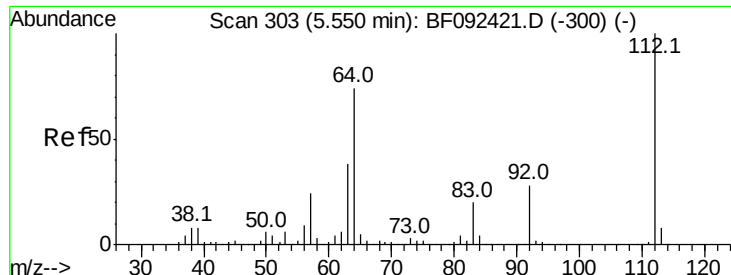


Abundance Ion 42.00 (41.70 to 42.70): BF0

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

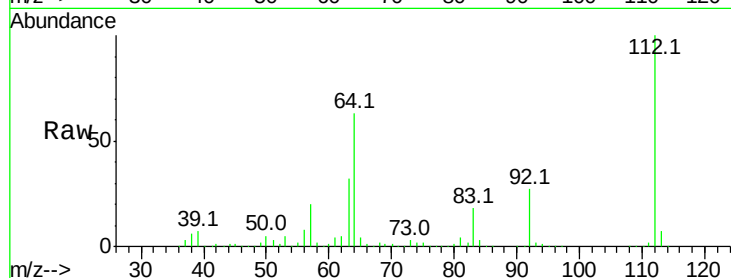
Tot Ion:112 Resp: 145537

Ion Ratio Lower Upper

112 100

64 62.8 46.1 69.1

63 31.6 23.8 35.6



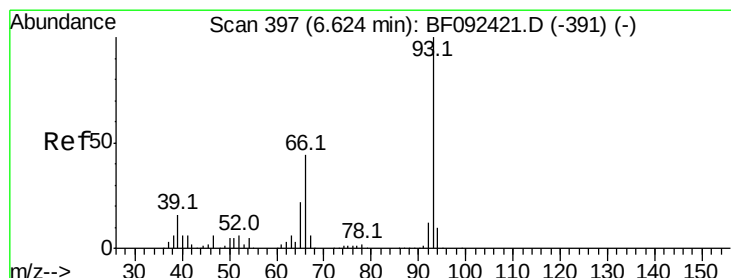
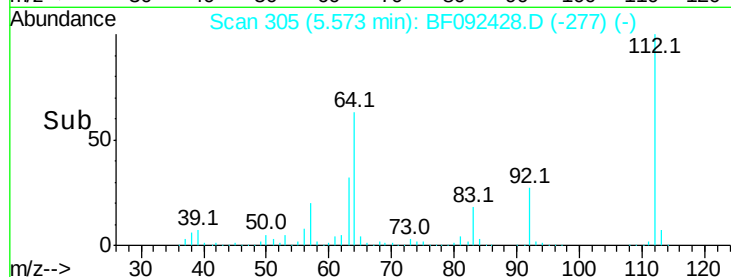
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->

5.57



#6

Aniline

Concen: 47.88 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.08 min

Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

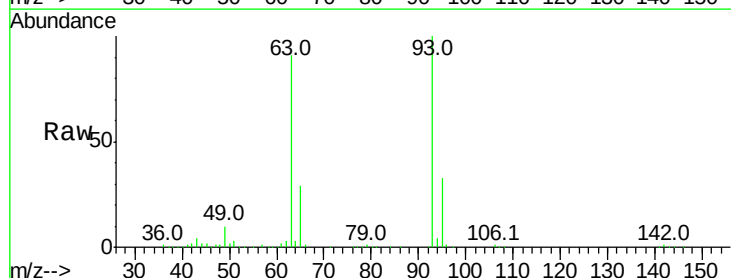
Tgt Ion: 93 Resp: 905340

Ion Ratio Lower Upper

93 100

66 0.7 76.2 114.2#

65 28.6 49.3 73.9#



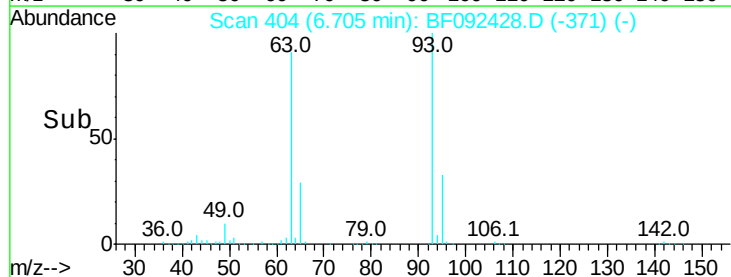
Abundance Ion 93.00 (92.70 to 93.70): BF0

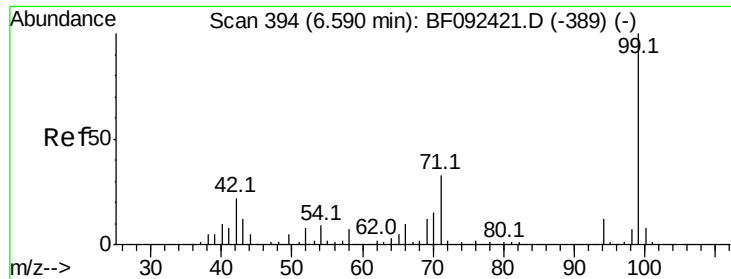
Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Time-->

6.70





#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

Instrument :

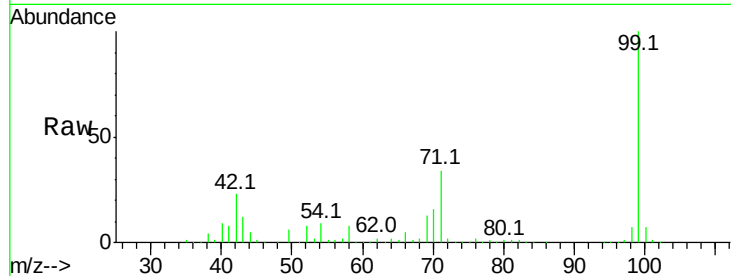
BNA_F

ClientSampleId :

0036

Tot Ion: 99 Resp: 1806409

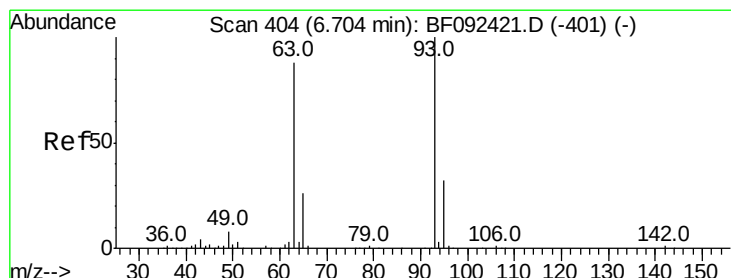
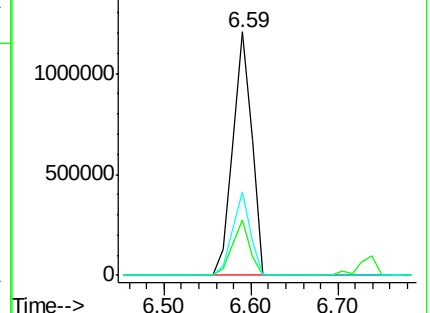
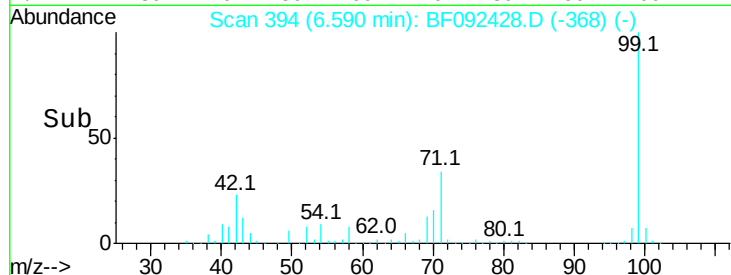
Ion	Ratio	Lower	Upper
99	100		
42	22.5	15.6	23.4
71	34.3	27.5	41.3



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

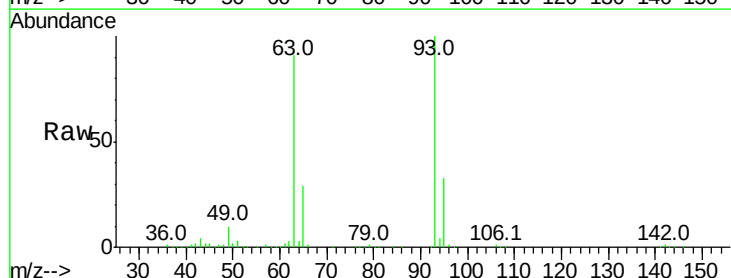
Delta R.T. 0.00 min

Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

Tgt Ion: 93 Resp: 905340

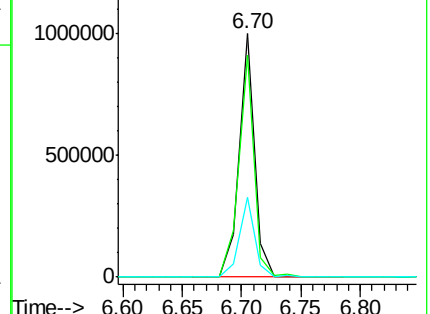
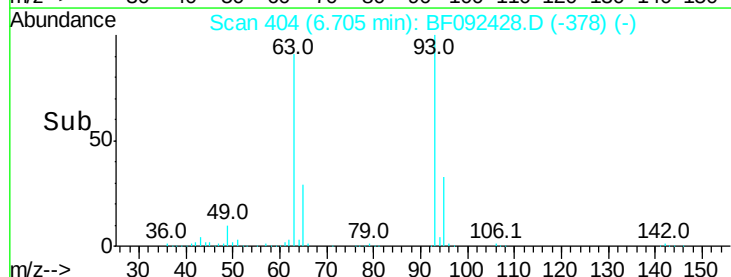
Ion	Ratio	Lower	Upper
93	100		
63	91.0	60.4	100.4
95	32.9	12.8	52.8

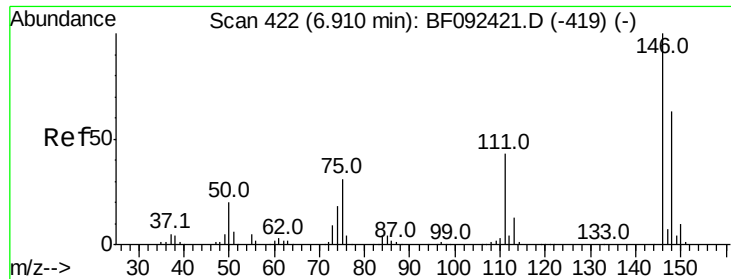


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

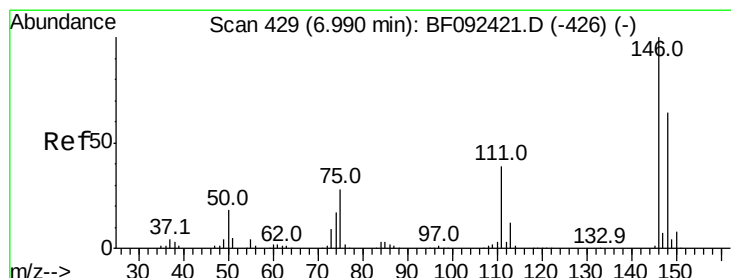
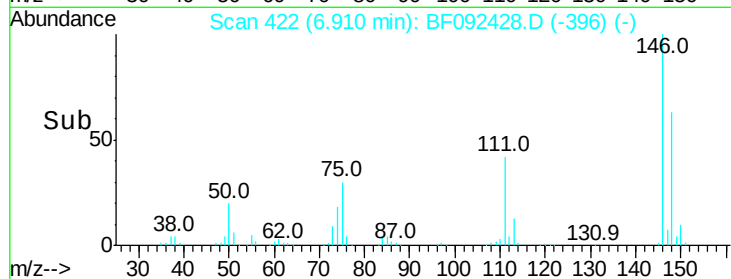
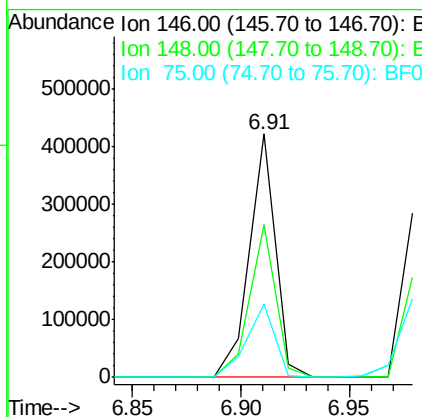
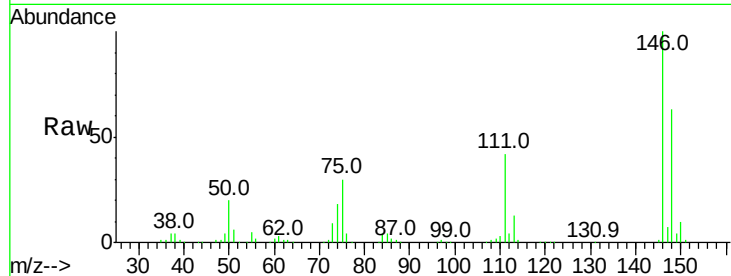




#12
 1,3-Dichlorobenzene
 Concen: 28.48 ng
 RT: 6.91 min Scan# 422
 Delta R.T. 0.00 min
 Lab File: BF092428.D
 Acq: 24 Jan 2017 14:50

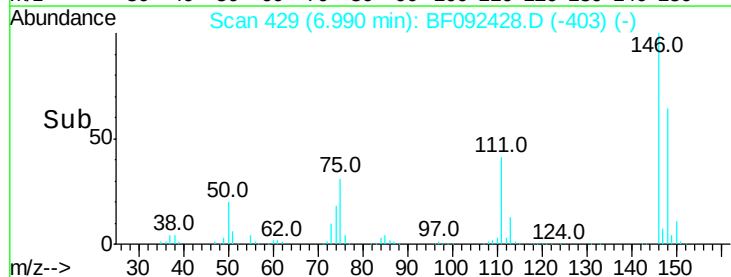
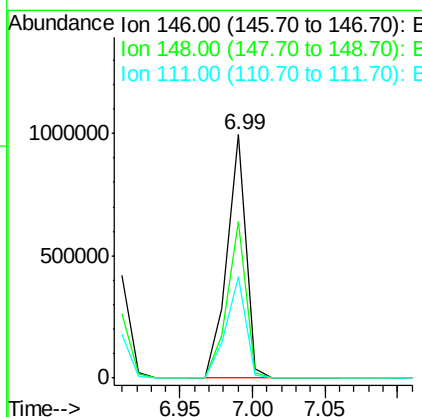
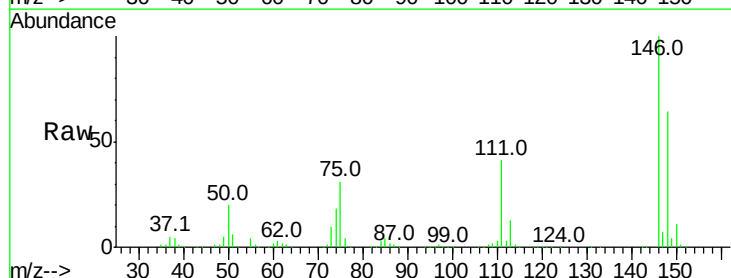
Instrument :
 BNA_F
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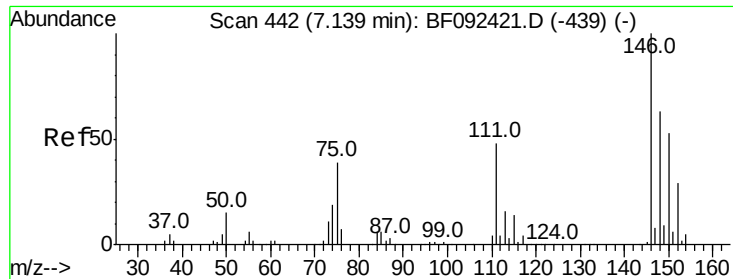
Tot Ion:146 Resp: 351997
 Ion Ratio Lower Upper
 146 100
 148 63.0 53.4 80.0
 75 30.1 18.5 27.7#



#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

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





#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

Instrument :

BNA_F

ClientSampled :

0036

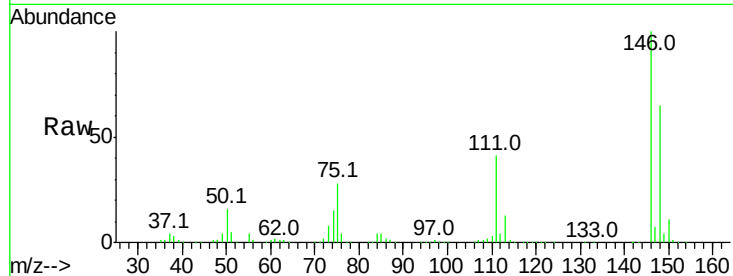
Tot Ion:146 Resp: 1406498

Ion Ratio Lower Upper

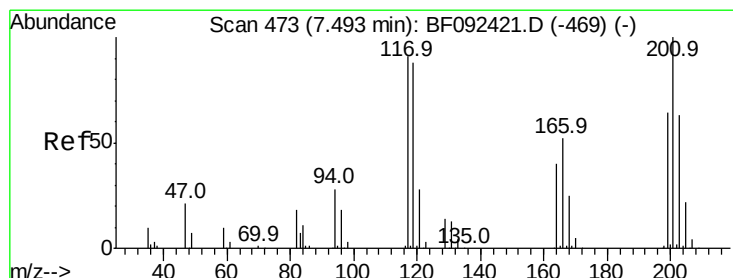
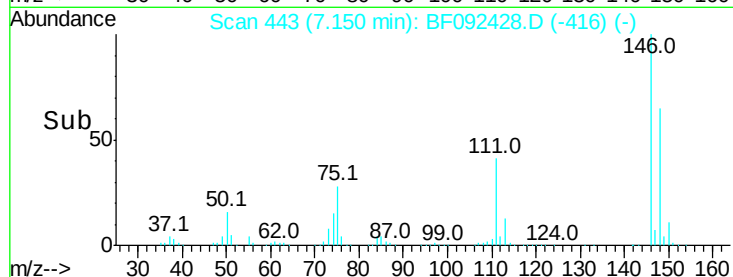
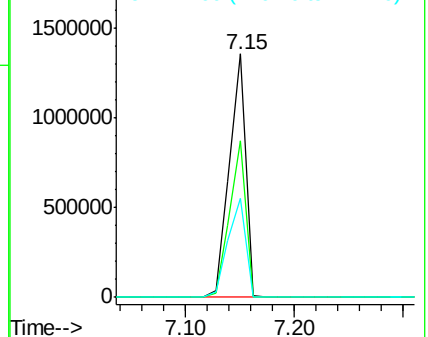
146 100

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

Acq: 24 Jan 2017 14:50

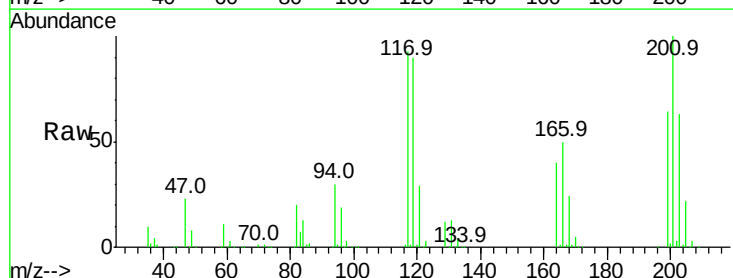
Tgt Ion:117 Resp: 464275

Ion Ratio Lower Upper

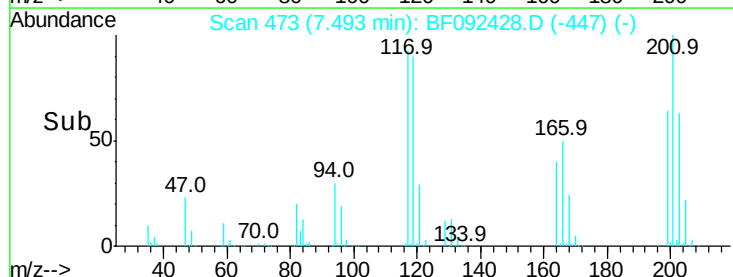
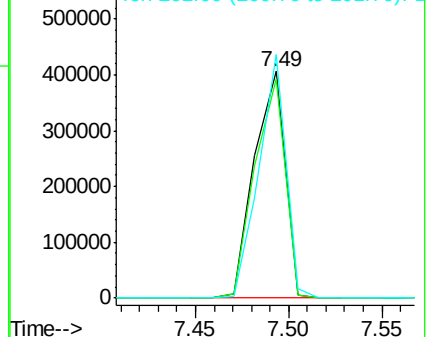
117 100

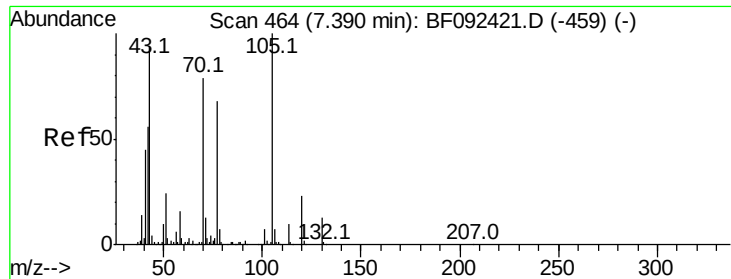
119 96.8 78.1 117.1

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



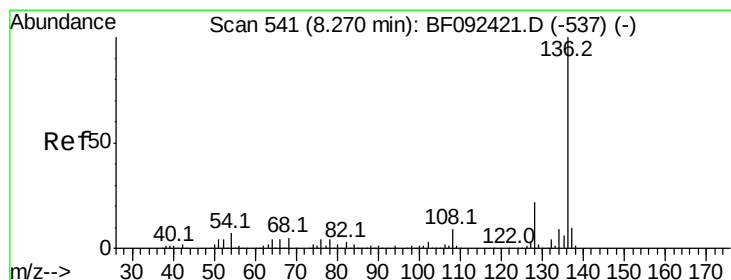
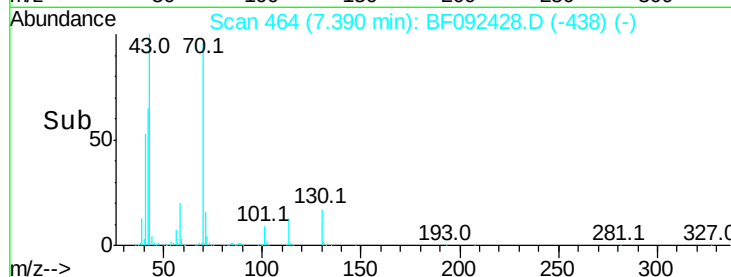
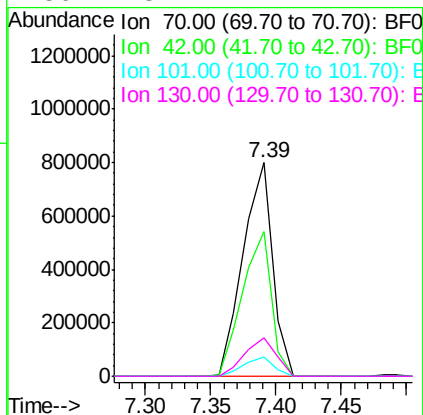
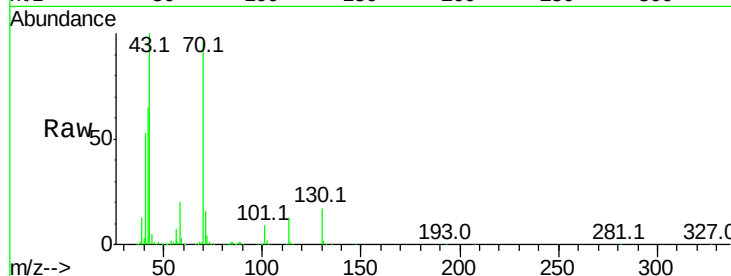


#19
n-Nitroso-di-n-propylamine
Concen: 146.37 ng
RT: 7.39 min Scan# 464
Delta R.T. 0.00 min
Lab File: BF092428.D
Acq: 24 Jan 2017 14:50

Instrument :
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ClientSampleId :
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Tot Ion: 70 Resp: 1263475

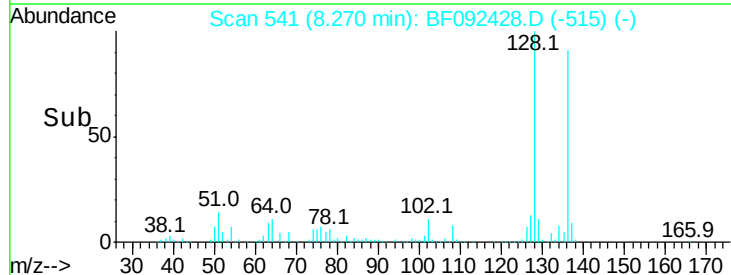
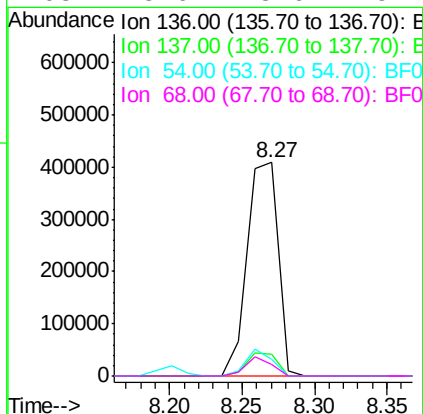
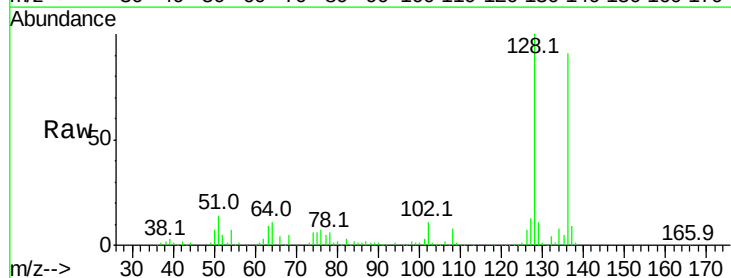
Ion	Ratio	Lower	Upper
70	100		
42	67.5	49.4	74.0
101	9.1	7.4	11.2
130	18.1	14.2	21.4

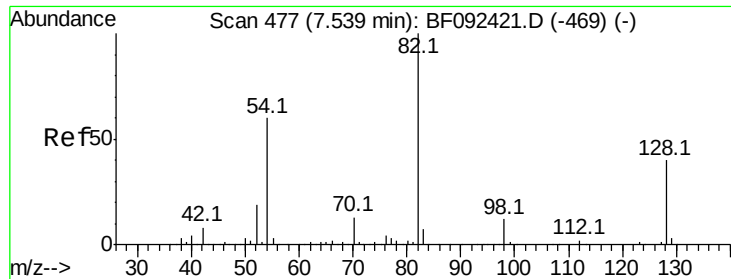


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.27 min Scan# 541
Delta R.T. 0.00 min
Lab File: BF092428.D
Acq: 24 Jan 2017 14:50

Tgt 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#

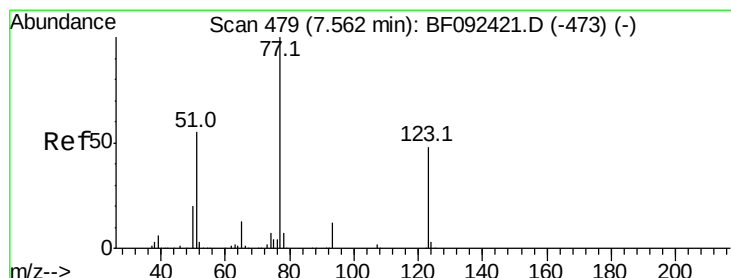
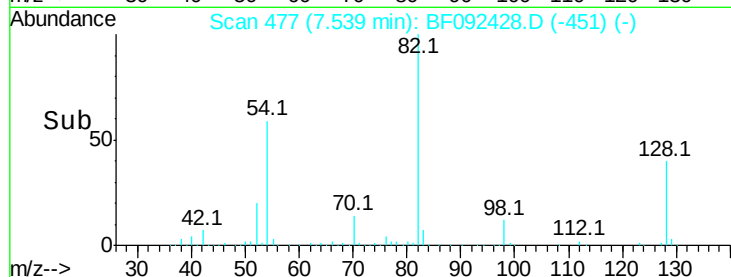
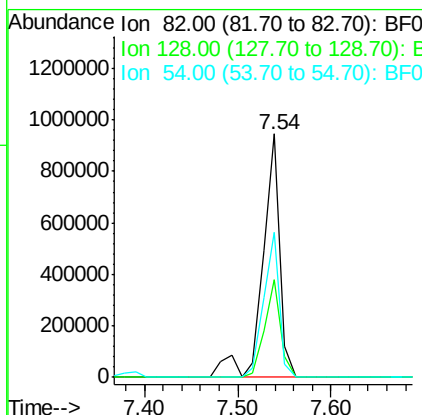
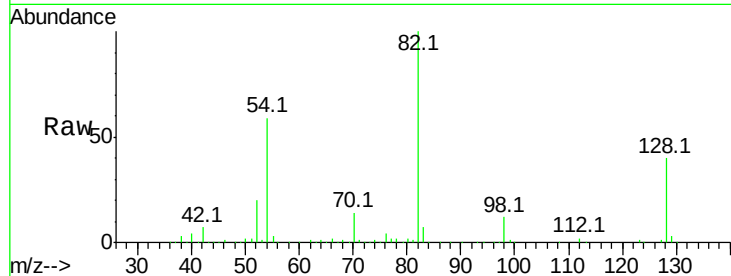




#23
 Nitrobenzene-d5
 Concen: 109.41 ng
 RT: 7.54 min Scan# 477
 Delta R.T. 0.00 min
 Lab File: BF092428.D
 Acq: 24 Jan 2017 14:50

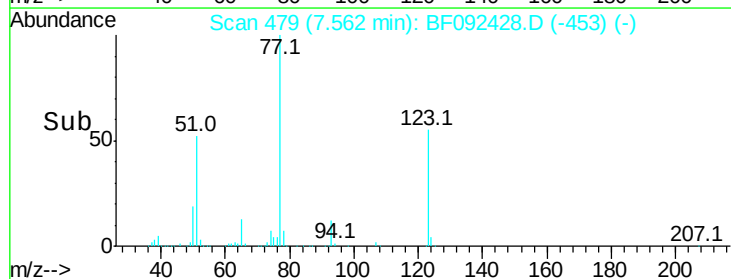
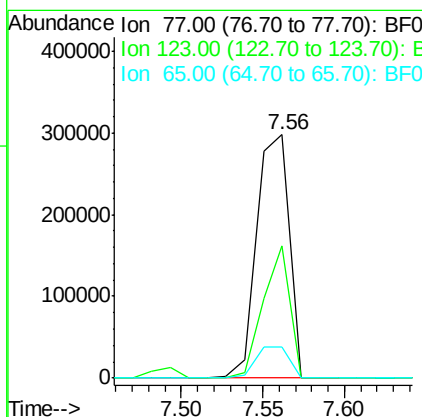
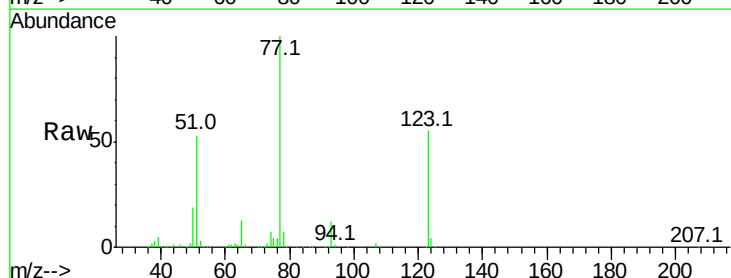
Instrument :
 BNA_F
 ClientSampleID :
 0036

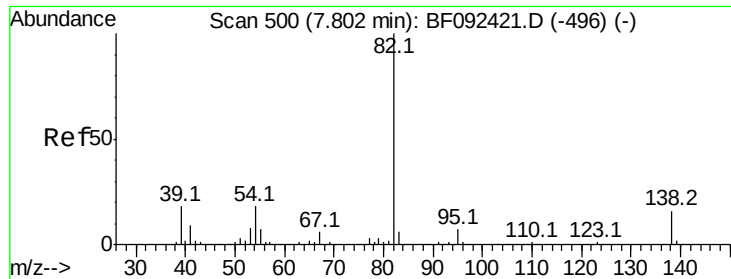
Tot Ion: 82 Resp: 1212927
 Ion Ratio Lower Upper
 82 100
 128 40.2 34.6 52.0
 54 59.4 39.5 59.3#



#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

Tgt 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

Instrument :

BNA_F

ClientSampled :

0036

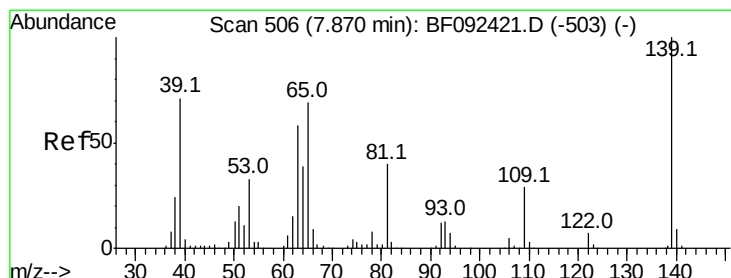
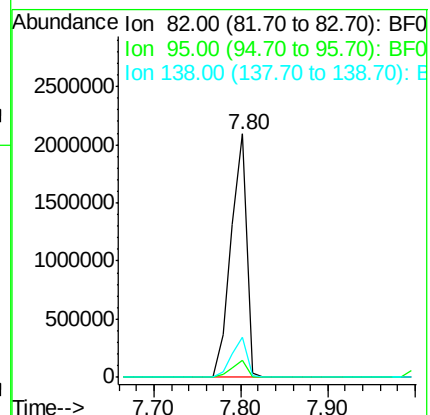
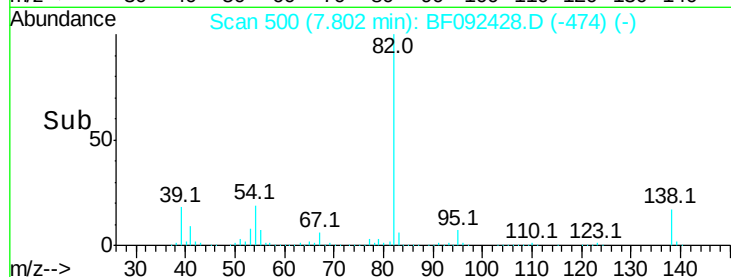
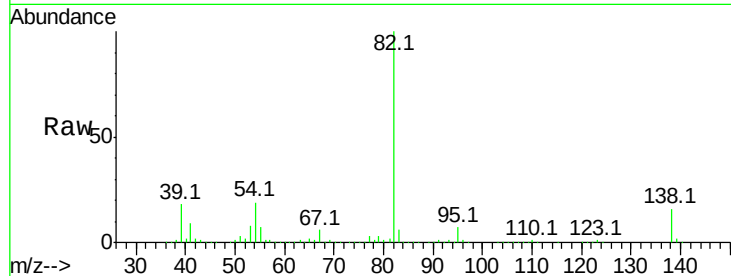
Tot Ion: 82 Resp: 2622019

Ion Ratio Lower Upper

82 100

95 6.8 5.6 8.4

138 16.5 14.6 22.0



#26

2-Nitrophenol

Concen: 8.64 ng

RT: 7.80 min Scan# 500

Delta R.T. -0.07 min

Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

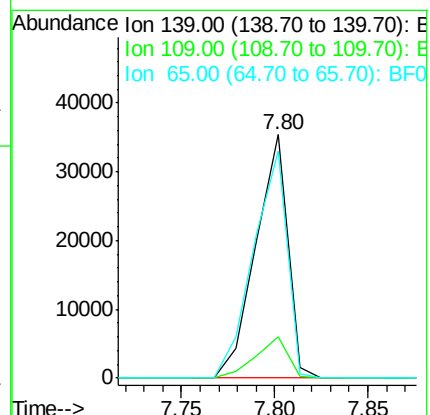
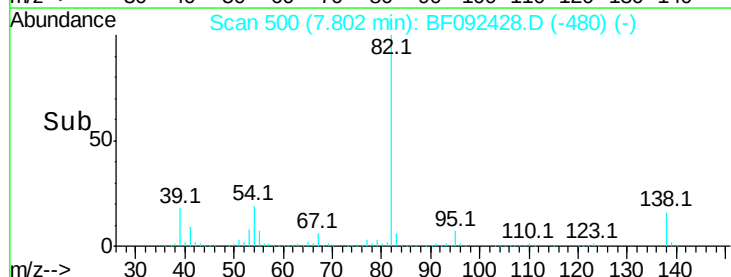
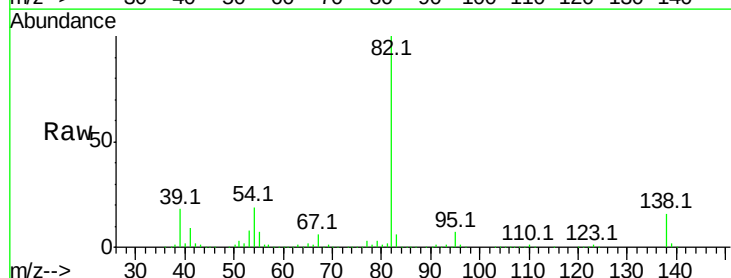
Tgt Ion: 139 Resp: 42055

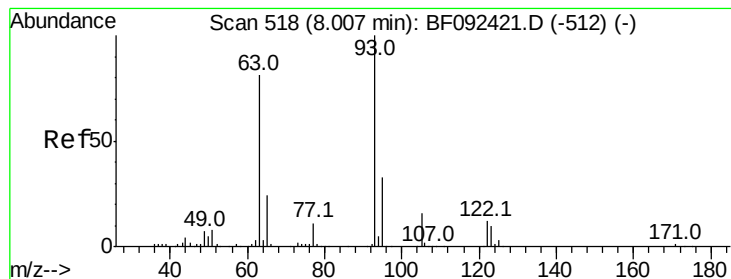
Ion Ratio Lower Upper

139 100

109 16.7 23.3 34.9#

65 93.4 42.7 64.1#





#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

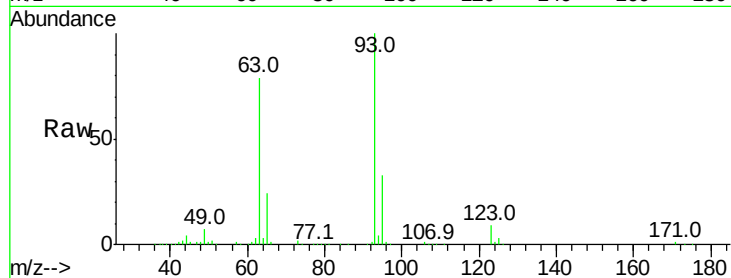
Tot Ion: 93 Resp: 677445

Ion Ratio Lower Upper

93 100

95 32.6 26.5 39.7

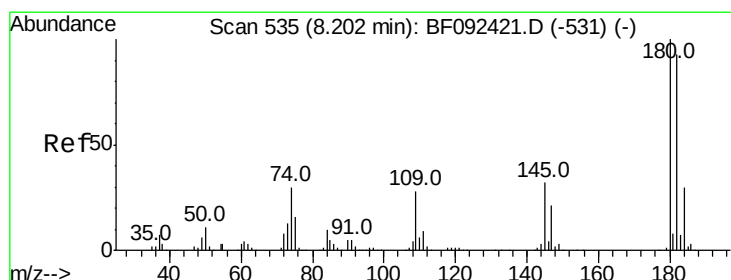
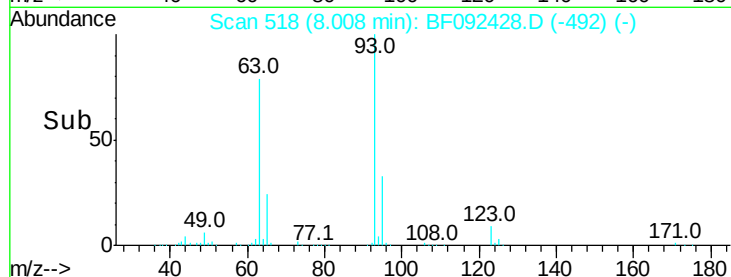
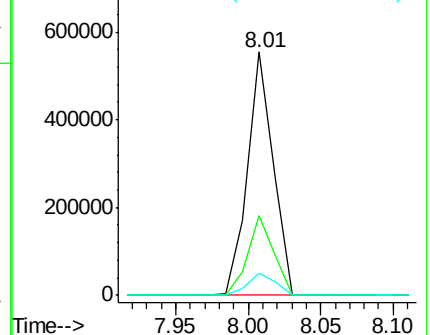
123 9.2 8.6 13.0



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



#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

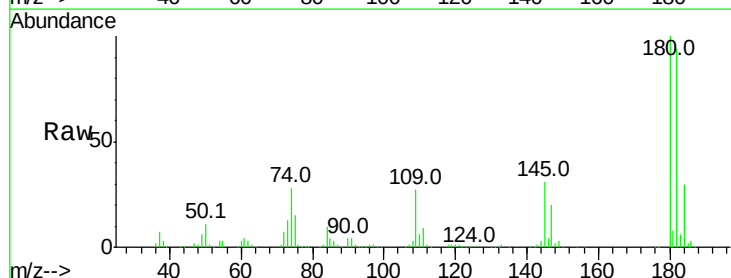
Tgt Ion:180 Resp: 798104

Ion Ratio Lower Upper

180 100

182 93.7 78.2 117.4

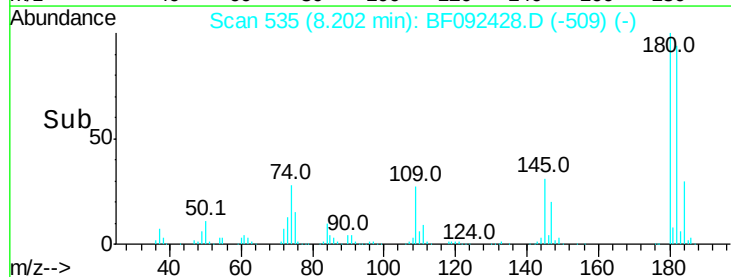
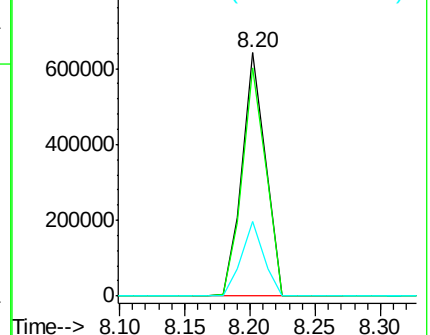
145 30.8 21.6 32.4

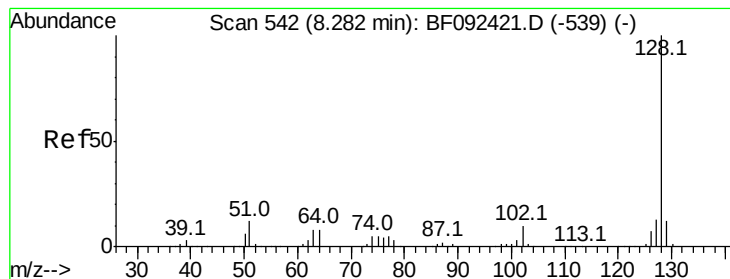


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 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

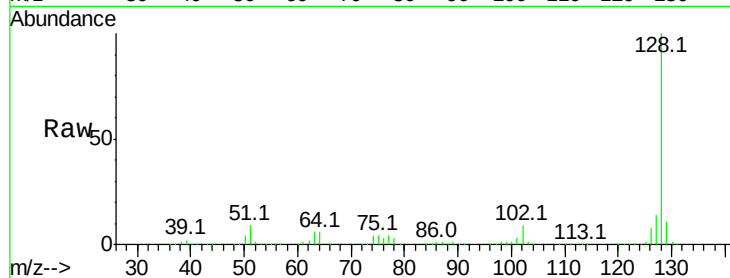
Tot Ion:128 Resp: 3416431

Ion Ratio Lower Upper

128 100

129 11.5 9.5 14.3

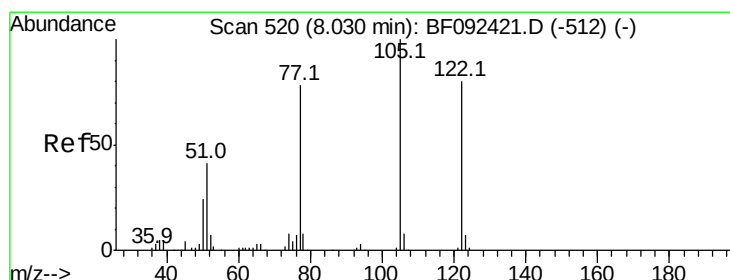
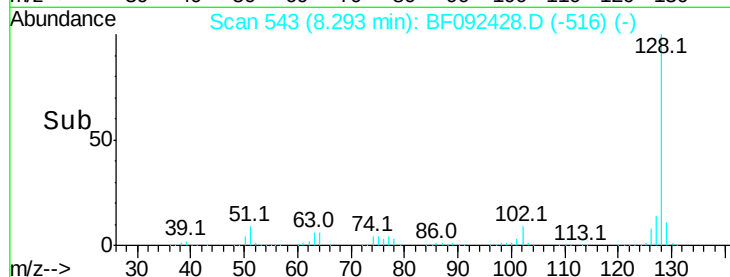
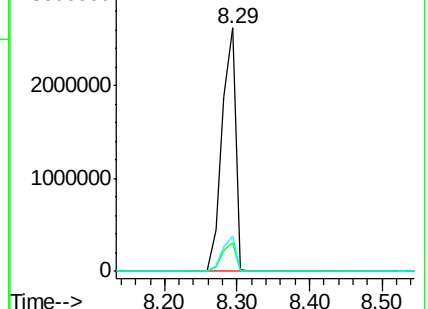
127 14.4 10.8 16.2



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



#32

Benzoic acid

Concen: 5.14 ng

RT: 8.20 min Scan# 535

Delta R.T. 0.17 min

Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

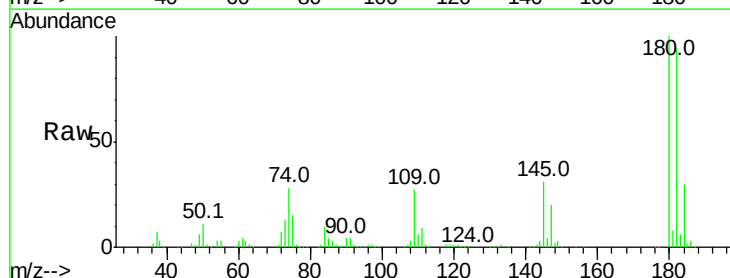
Tgt Ion:122 Resp: 3706

Ion Ratio Lower Upper

122 100

105 0.0 107.2 147.2#

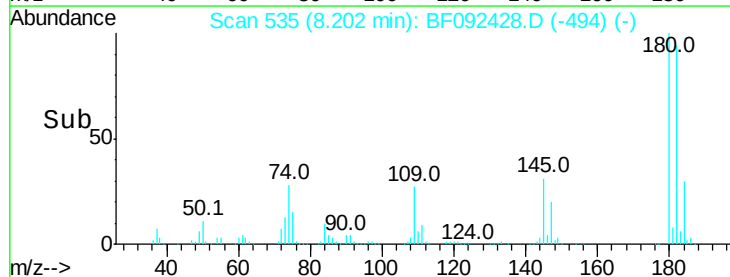
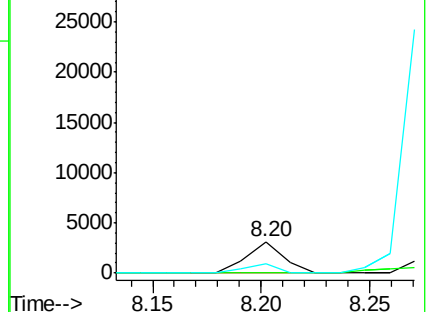
77 28.0 74.5 114.5#

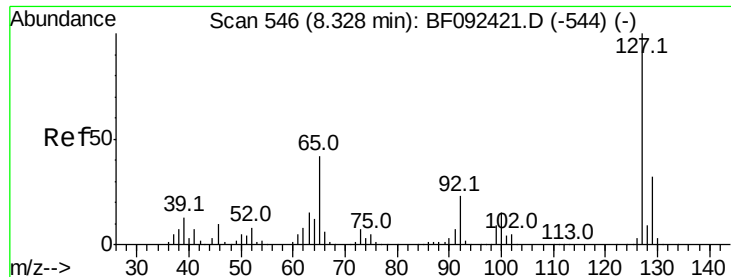


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

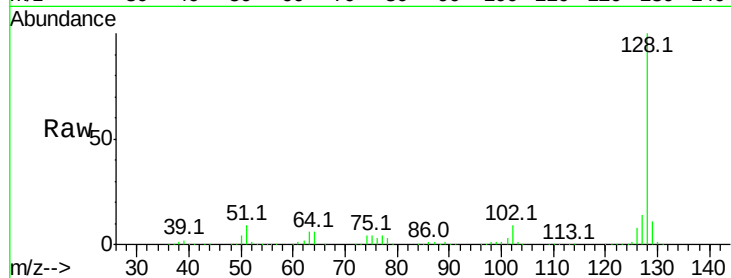




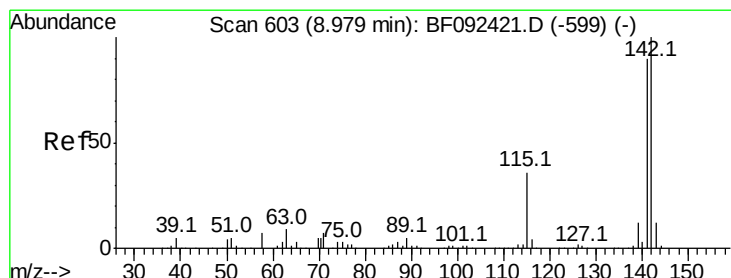
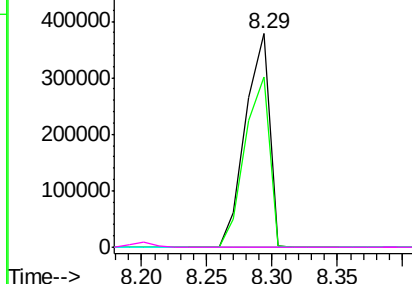
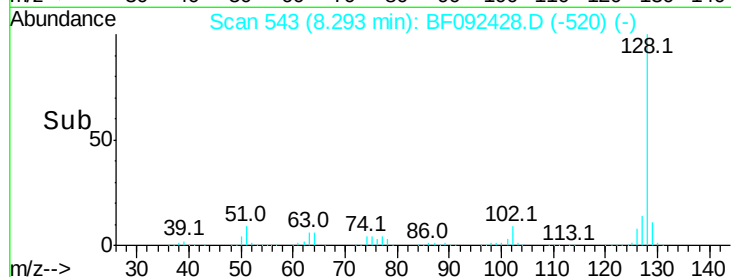
#33
4-Chloroaniline
Concen: 36.94 ng
RT: 8.29 min Scan# 543
Delta R.T. -0.03 min
Lab File: BF092428.D
Acq: 24 Jan 2017 14:50

Instrument :
BNA_F
ClientSampleId :
0036

Tot Ion:127 Resp: 484379
Ion Ratio Lower Upper
127 100
129 79.7 26.3 39.5#
65 0.0 25.8 38.8#
92 0.0 16.1 24.1#

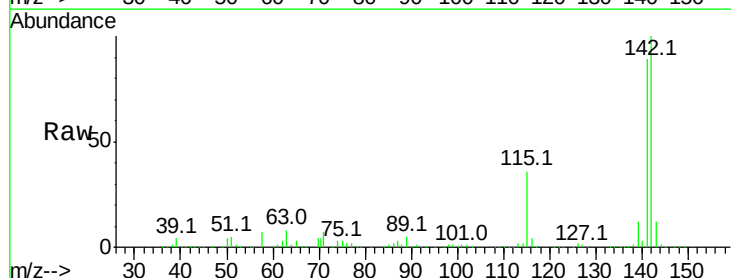


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

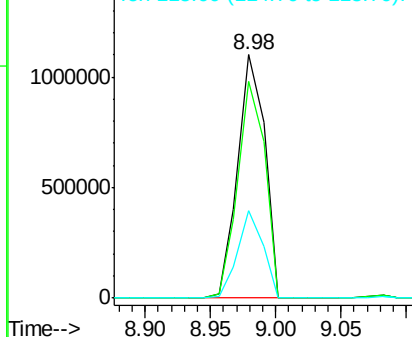
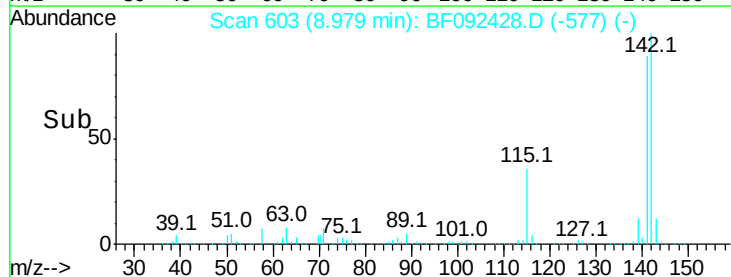


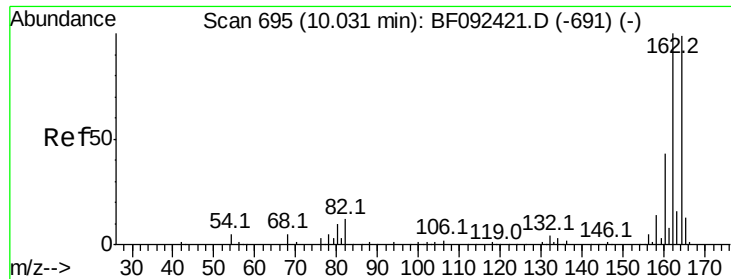
#37
2-Methylnaphthalene
Concen: 81.26 ng
RT: 8.98 min Scan# 603
Delta R.T. 0.00 min
Lab File: BF092428.D
Acq: 24 Jan 2017 14:50

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

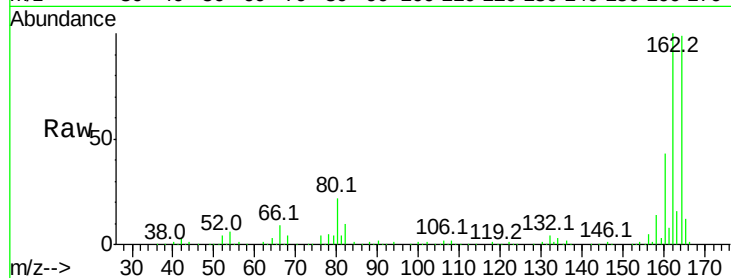




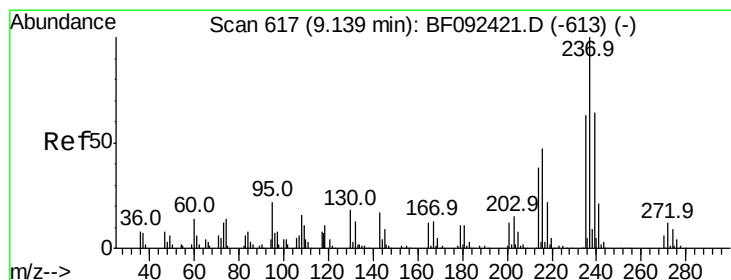
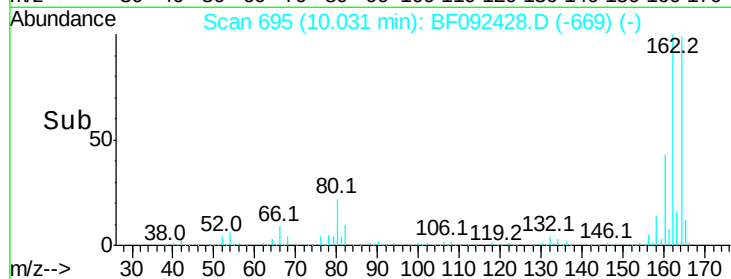
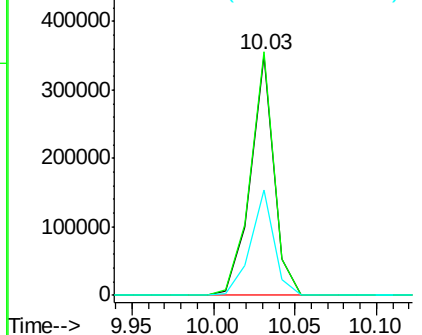
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.03 min Scan# 695
Delta R.T. 0.00 min
Lab File: BF092428.D
Acq: 24 Jan 2017 14:50

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

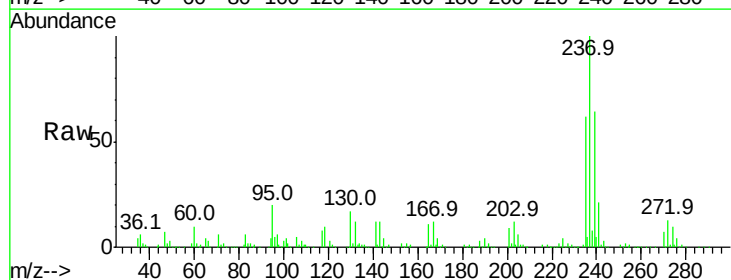


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

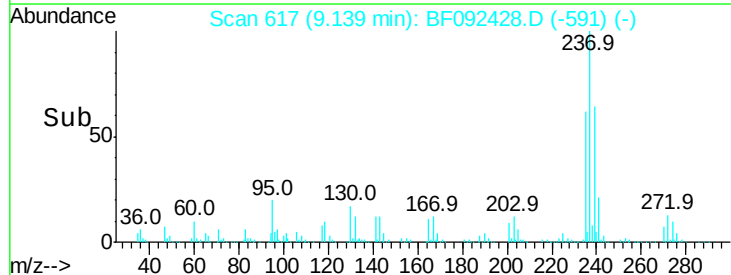
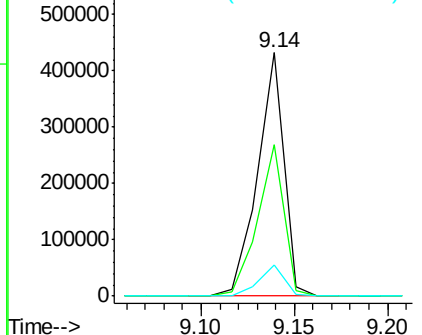


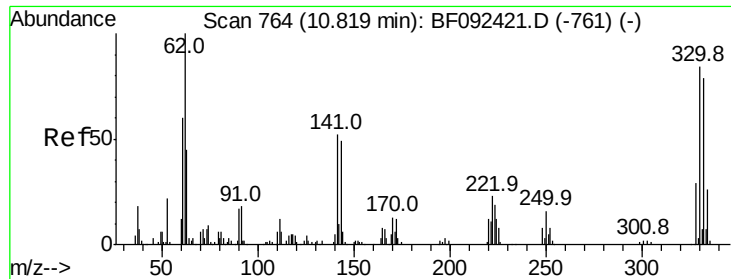
#40
Hexachlorocyclopentadiene
Concen: 95.49 ng
RT: 9.14 min Scan# 617
Delta R.T. 0.00 min
Lab File: BF092428.D
Acq: 24 Jan 2017 14:50

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

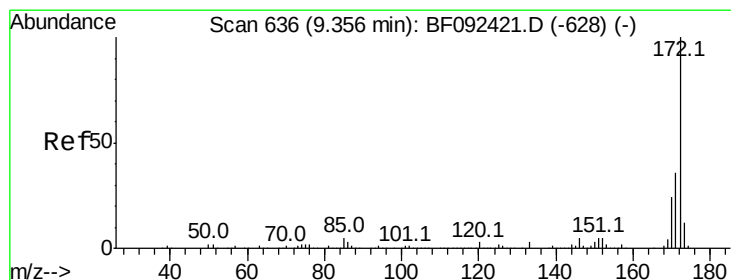
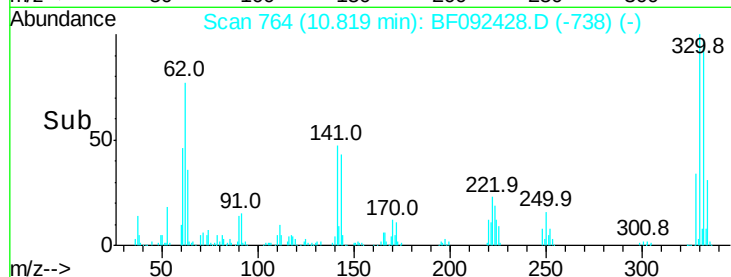
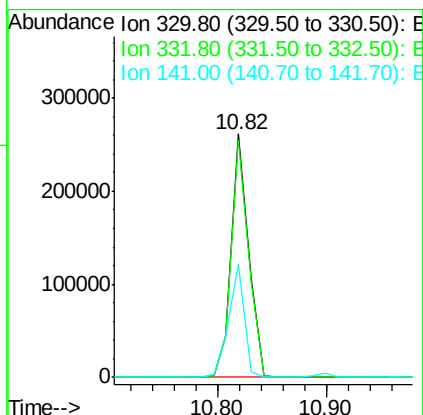
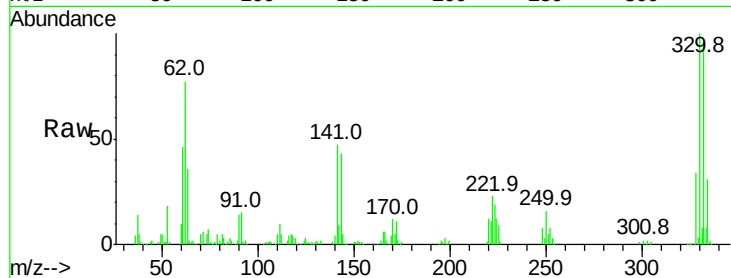




#41
 2,4,6-Tribromophenol
 Concen: 120.60 ng
 RT: 10.82 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: BF092428.D
 Acq: 24 Jan 2017 14:50

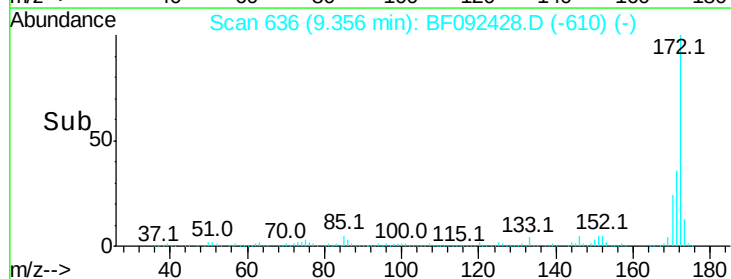
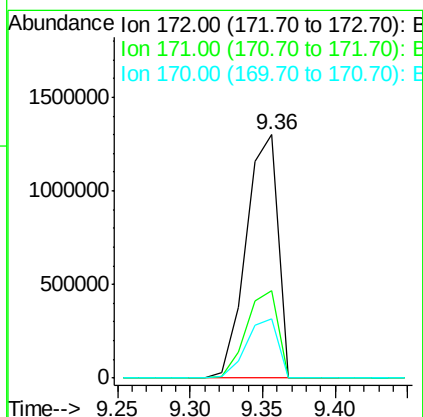
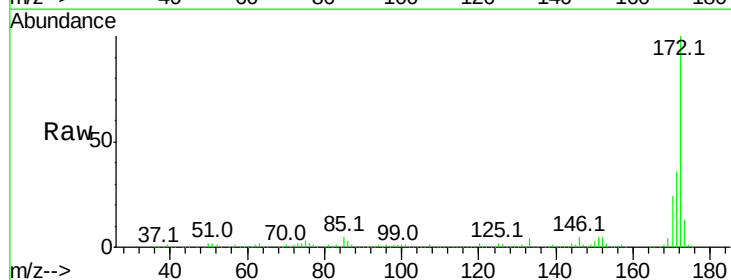
Instrument :
 BNA_F
 ClientSampleId :
 0036

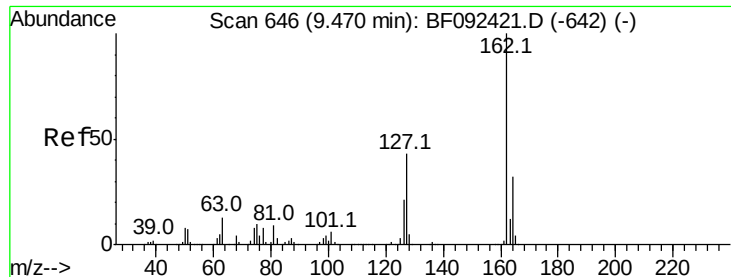
Tot Ion:330 Resp: 287811
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.4 116.2
 141 42.4 34.1 51.1



#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





#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

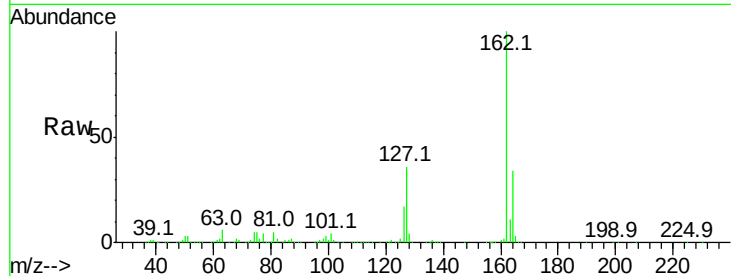
Tot Ion:162 Resp: 1823719

Ion Ratio Lower Upper

162 100

127 35.7 30.7 46.1

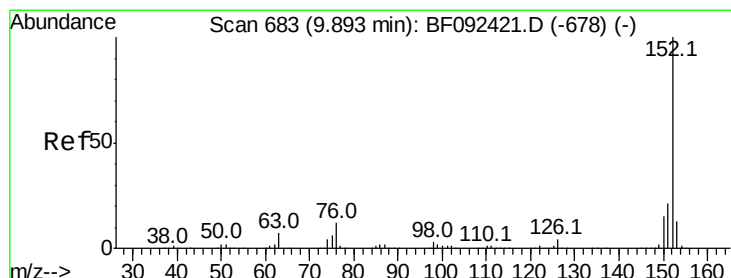
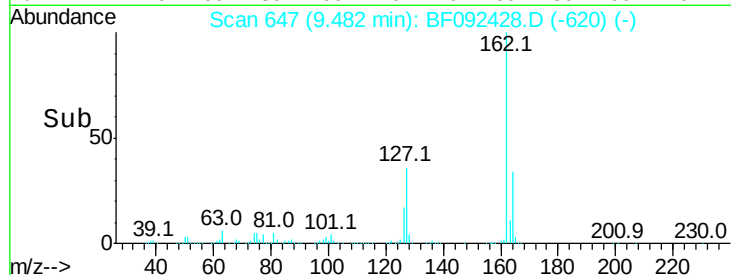
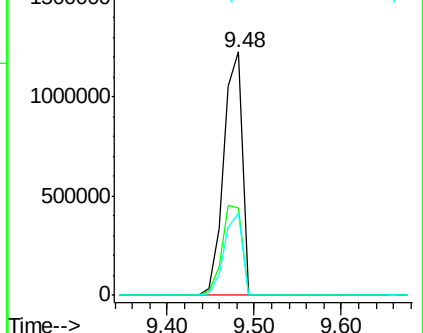
164 33.7 27.6 41.4



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

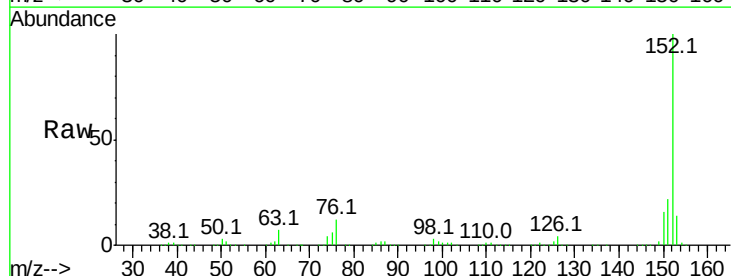
Tgt Ion:152 Resp: 2566720

Ion Ratio Lower Upper

152 100

151 21.5 16.9 25.3

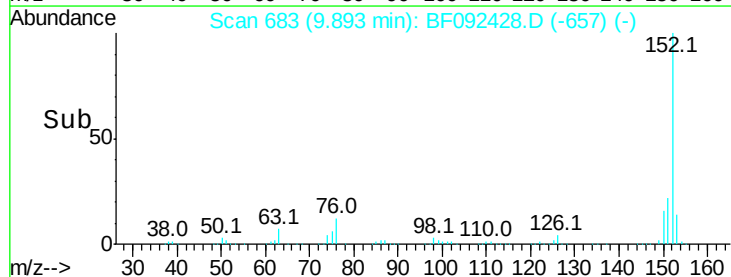
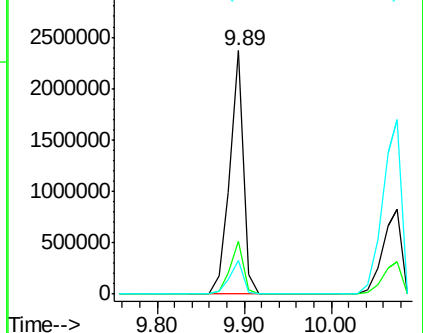
153 13.7 11.4 17.2

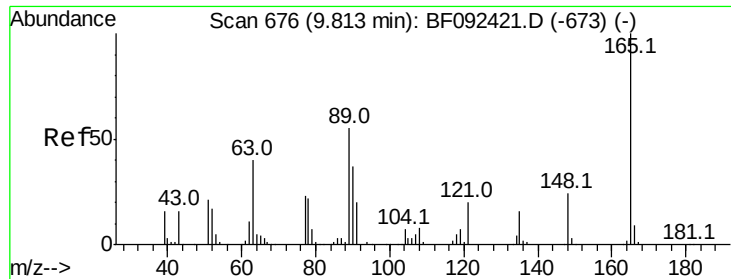


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

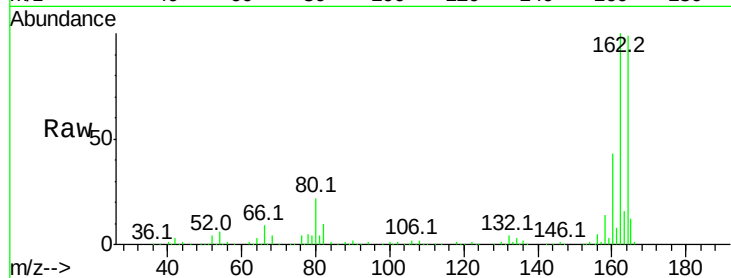




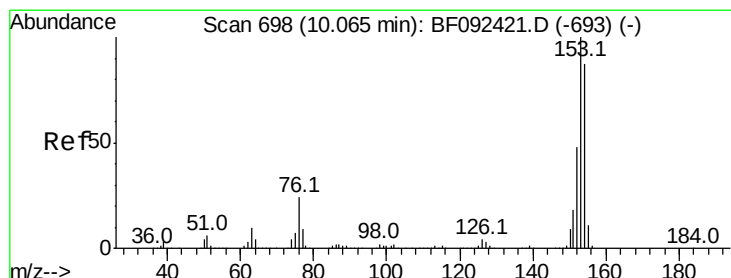
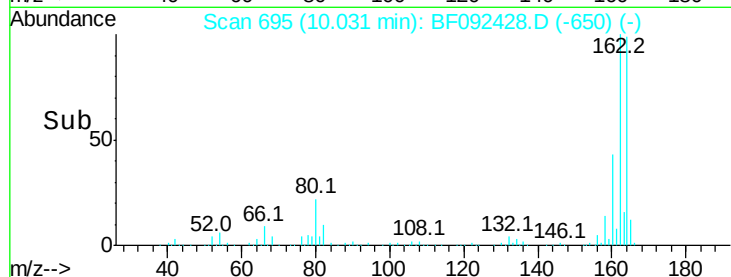
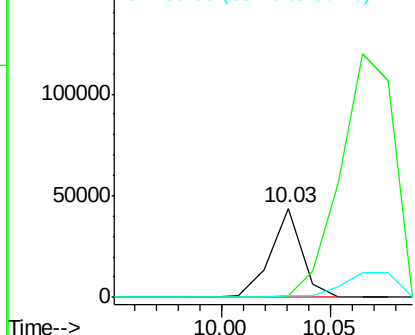
#50
2,6-Dinitrotoluene
Concen: 9.72 ng
RT: 10.03 min Scan# 695
Delta R.T. 0.22 min
Lab File: BF092428.D
Acq: 24 Jan 2017 14:50

Instrument :
BNA_F
ClientSampleId :
0036

Tot Ion:165 Resp: 44262
Ion Ratio Lower Upper
165 100
63 1.8 36.2 54.4#
89 1.2 40.2 60.4#

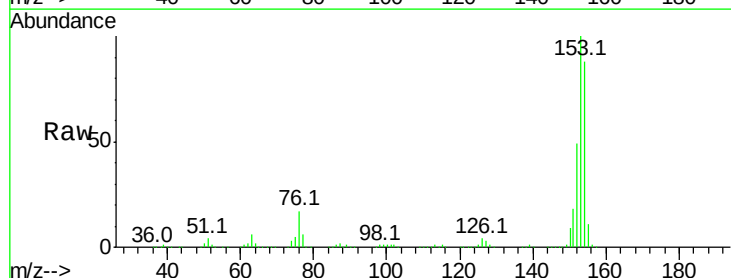


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

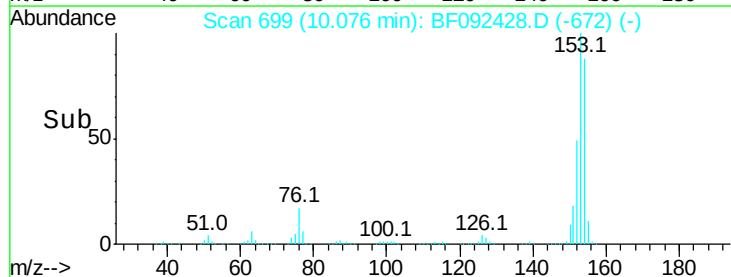
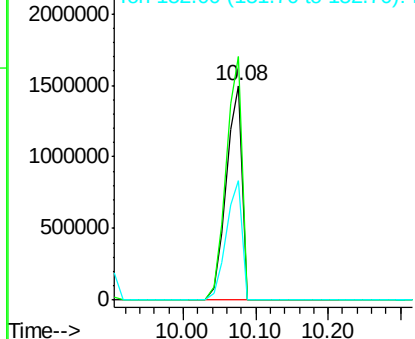


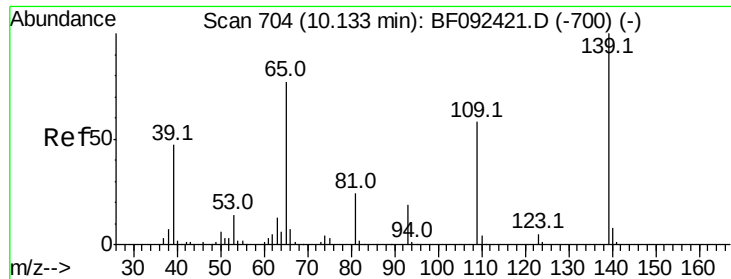
#51
Acenaphthene
Concen: 118.49 ng
RT: 10.08 min Scan# 699
Delta R.T. 0.01 min
Lab File: BF092428.D
Acq: 24 Jan 2017 14:50

Tgt 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

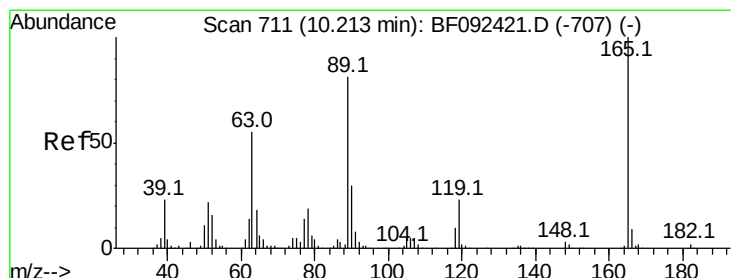
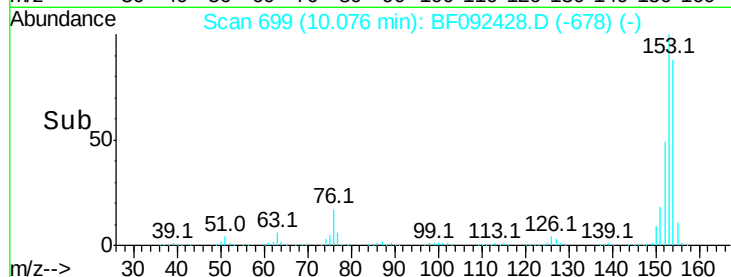
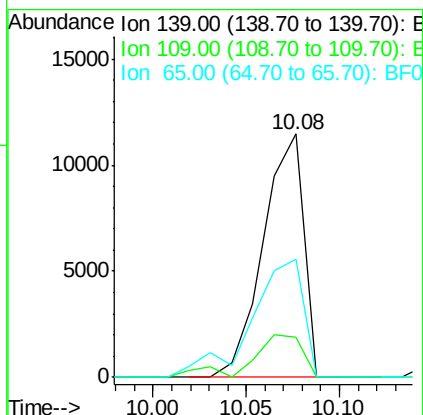
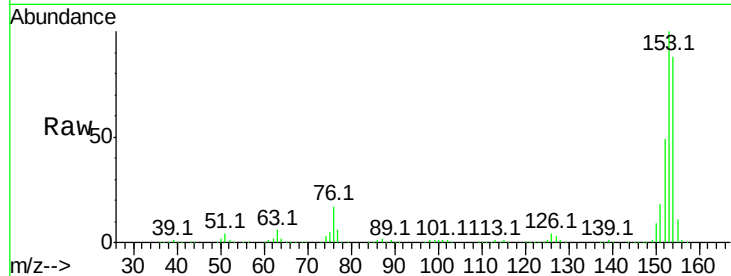




#55
4-Nitrophenol
Concen: 3.79 ng
RT: 10.08 min Scan# 699
Delta R.T. -0.06 min
Lab File: BF092428.D
Acq: 24 Jan 2017 14:50

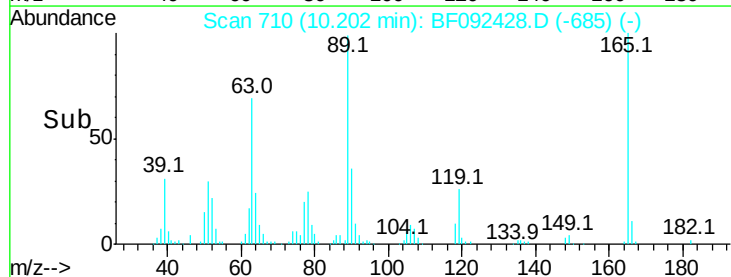
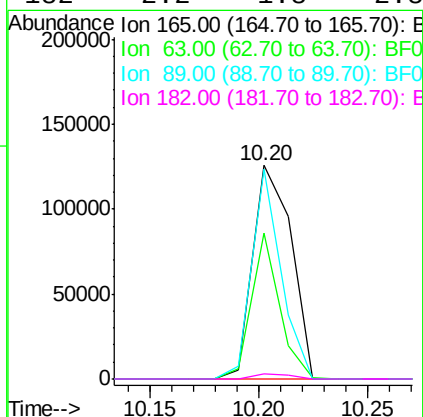
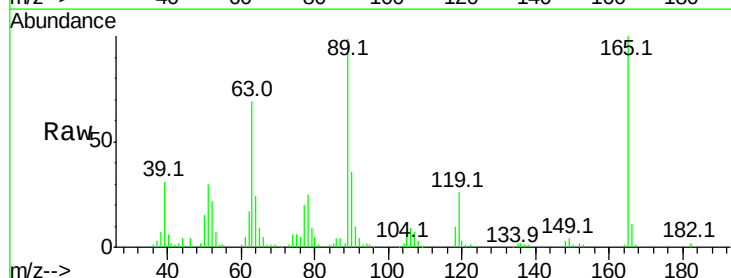
Instrument :
BNA_F
ClientSampleId :
0036

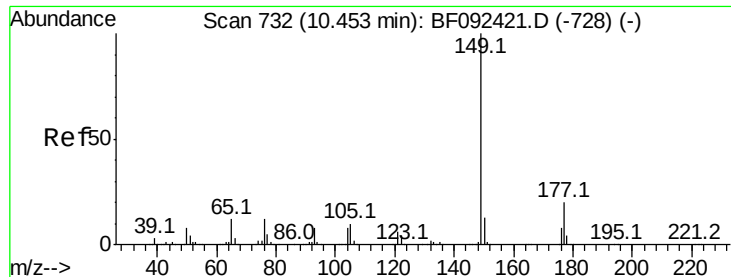
Tot Ion:139 Resp: 17180
Ion Ratio Lower Upper
139 100
109 16.4 52.2 92.2#
65 48.3 85.8 125.8#



#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

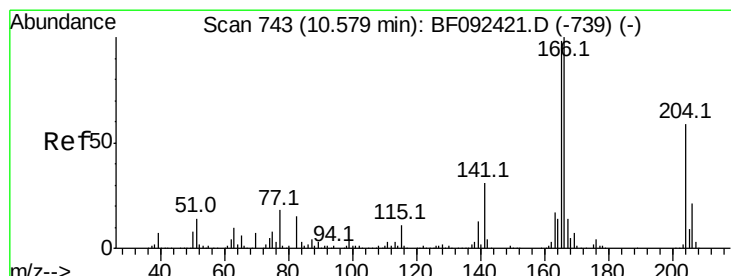
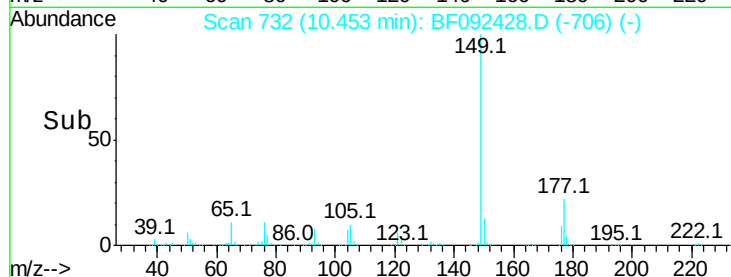
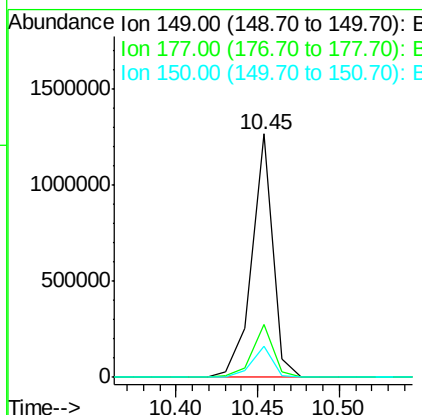
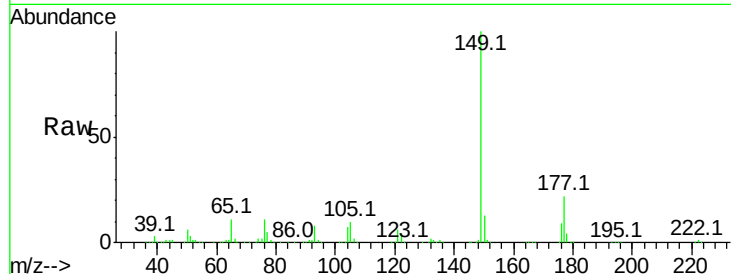




#59
Diethylphthalate
Concen: 52.97 ng
RT: 10.45 min Scan# 732
Delta R.T. 0.00 min
Lab File: BF092428.D
Acq: 24 Jan 2017 14:50

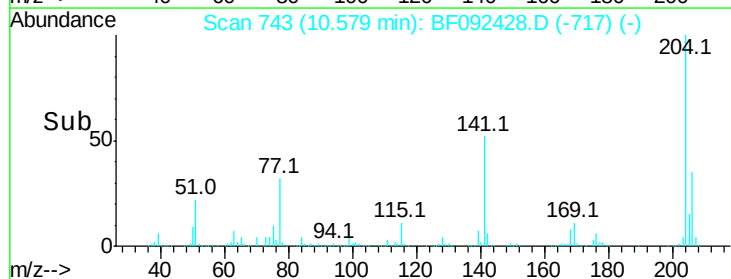
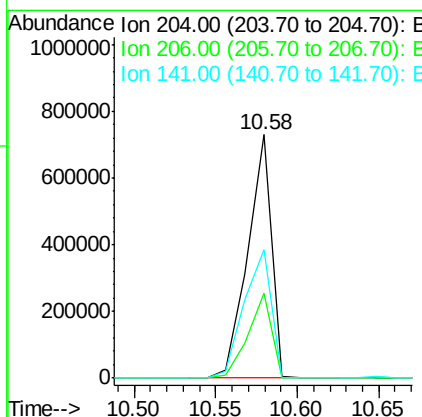
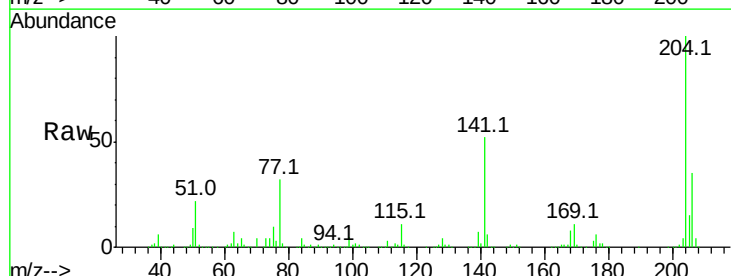
Instrument :
BNA_F
ClientSampleId :
0036

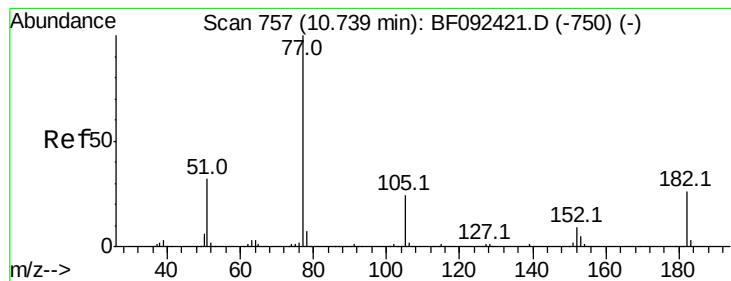
Tot Ion:149 Resp: 1131171
Ion Ratio Lower Upper
149 100
177 21.9 16.6 25.0
150 12.8 10.4 15.6



#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#





#62

Azobenzene

Concen: 4.12 ng

RT: 10.69 min Scan# 753

Delta R.T. -0.05 min

Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

Instrument :

BNA_F

ClientSampleId :

0036

Tot Ion: 77 Resp: 100143

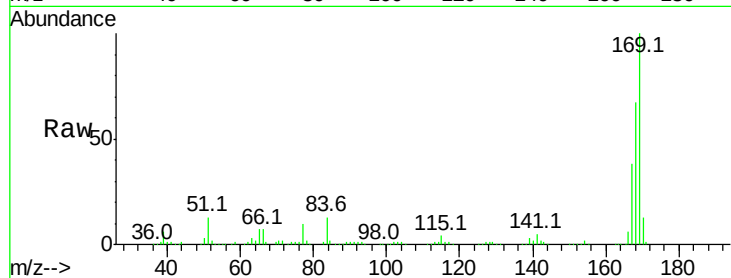
Ion Ratio Lower Upper

77 100

182 0.0 0.0 39.3

105 0.9 2.3 42.3#

51 128.9 8.9 48.9#

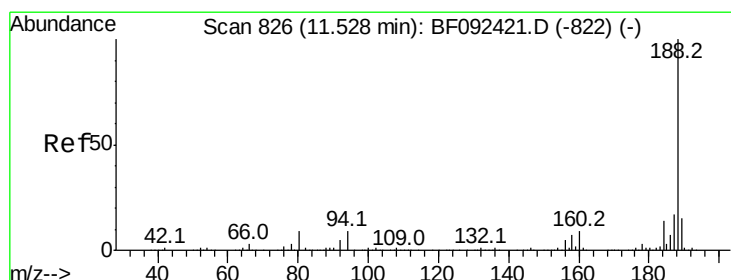
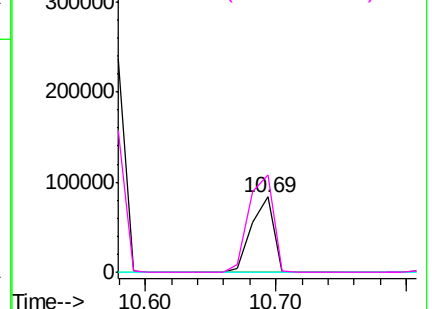
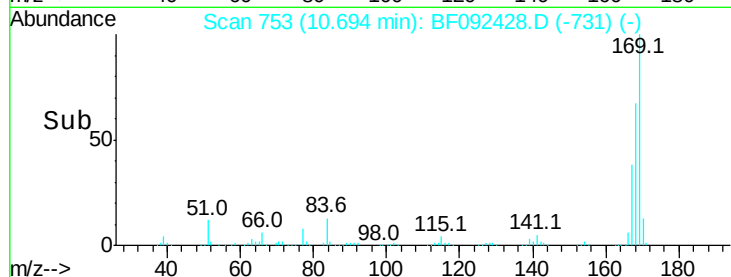


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.52 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

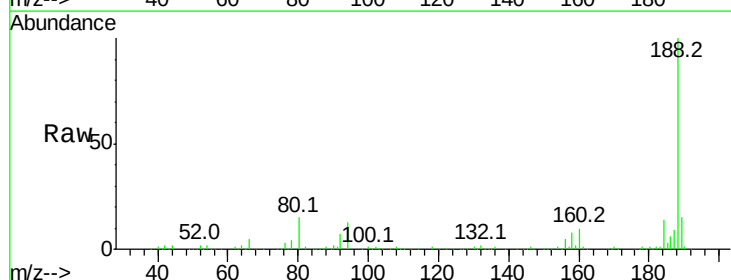
Tgt Ion: 188 Resp: 568001

Ion Ratio Lower Upper

188 100

94 13.2 10.0 15.0

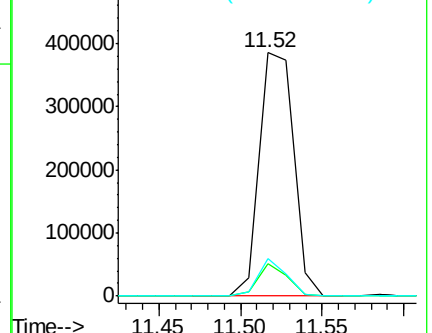
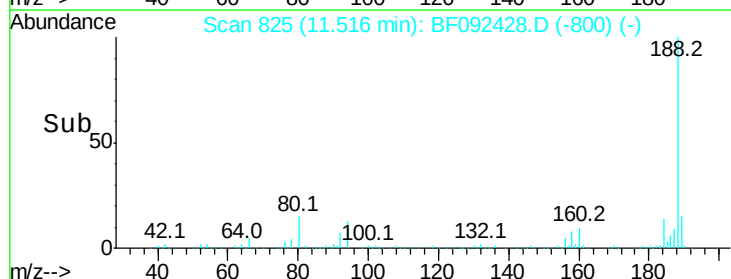
80 15.4 11.2 16.8

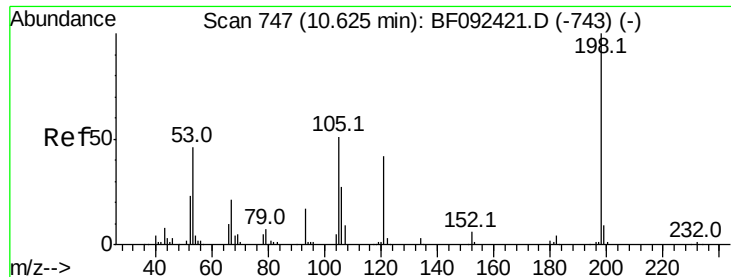


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 5.02 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.04 min

Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

Instrument :

BNA_F

ClientSampled :

0036

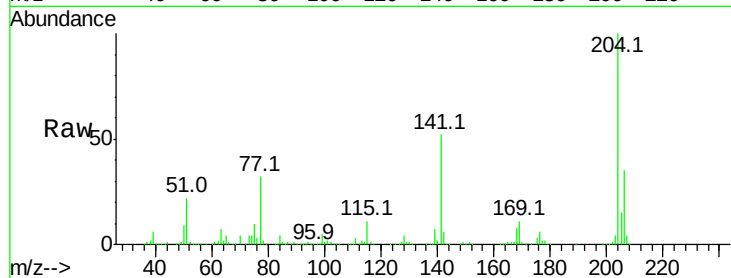
Tot Ion:198 Resp: 241

Ion Ratio Lower Upper

198 100

51 44872.9 6.7 46.7#

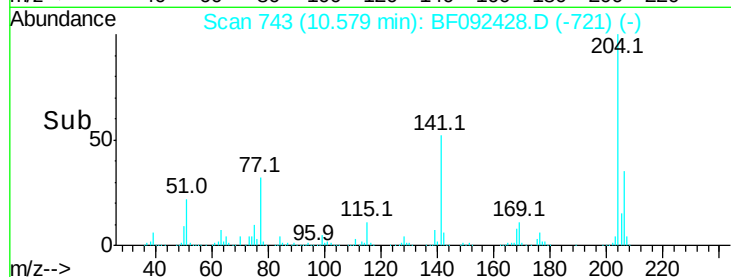
105 114.0 16.6 56.6#



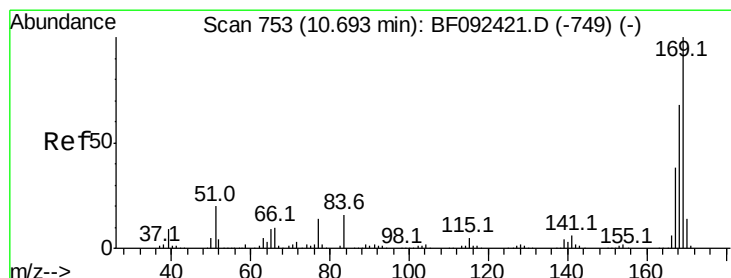
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



Time-->



#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

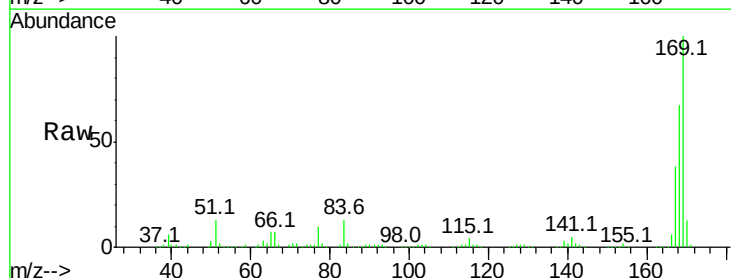
Tgt Ion:169 Resp: 804388

Ion Ratio Lower Upper

169 100

168 67.5 54.2 81.2

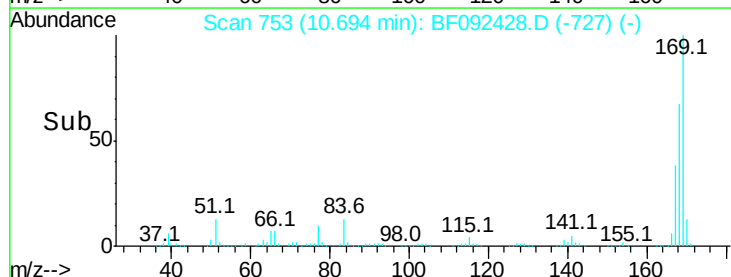
167 37.7 30.2 45.4



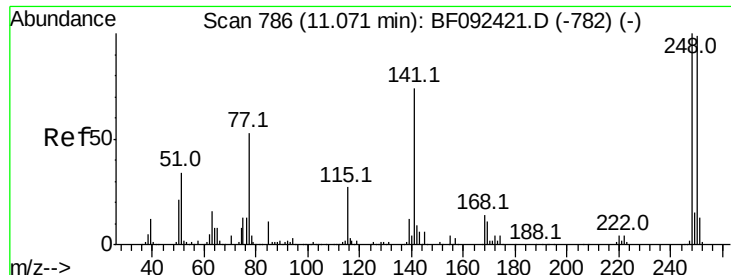
Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



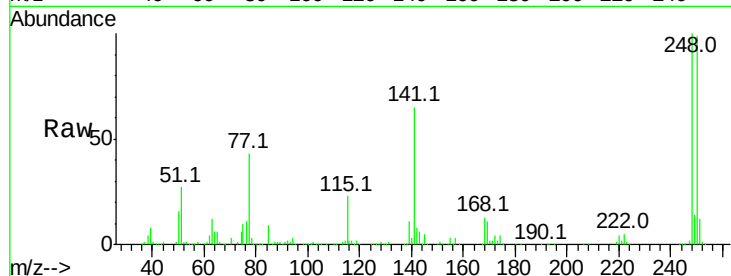
Time-->



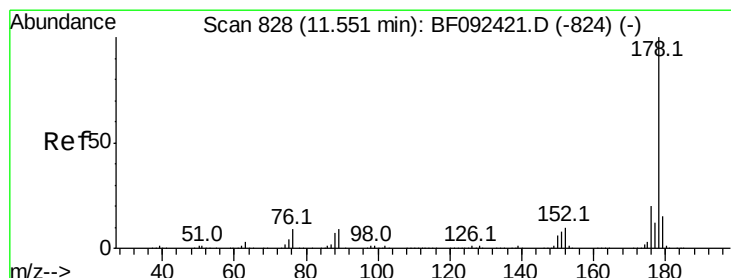
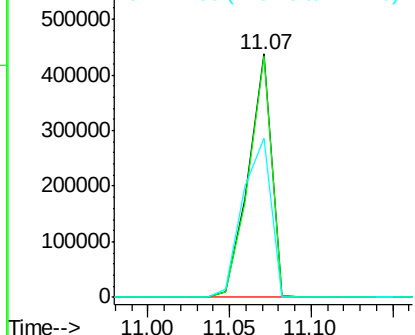
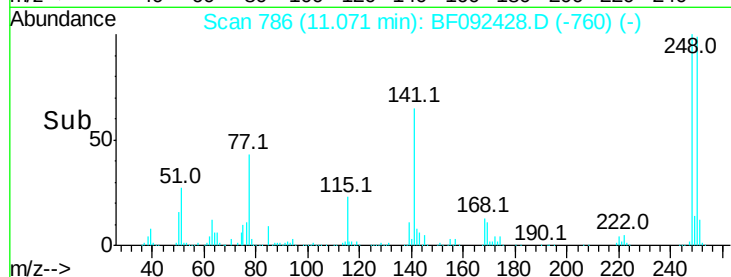
#66
 4-Bromophenyl-phenylether
 Concen: 75.16 ng
 RT: 11.07 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: BF092428.D
 Acq: 24 Jan 2017 14:50

Instrument :
 BNA_F
 ClientSampleID :
 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#

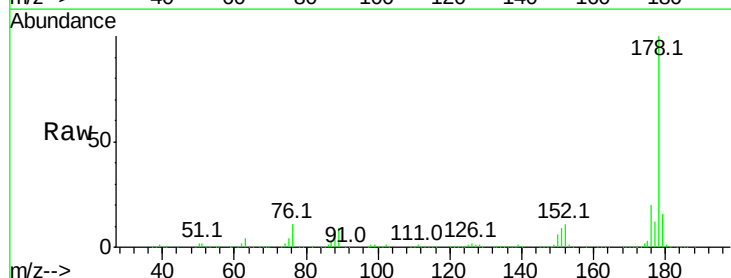


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

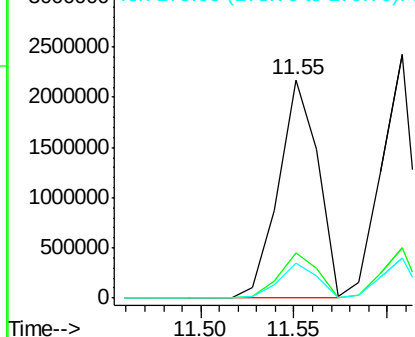
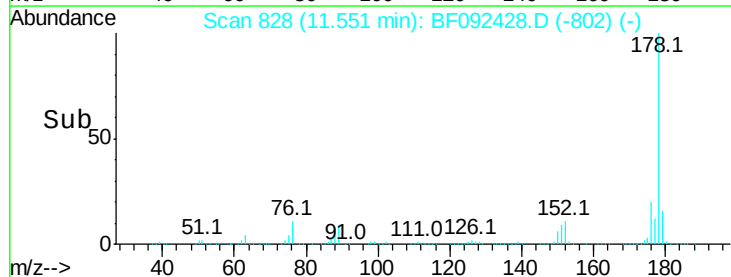


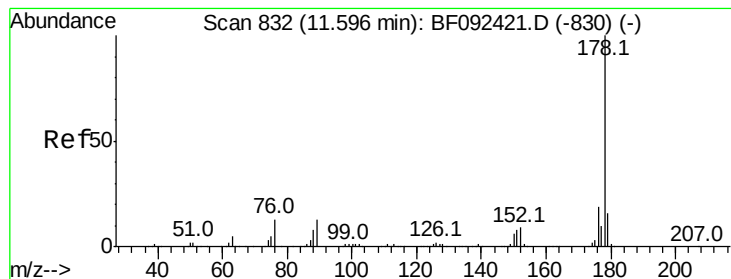
#70
 Phenanthrene
 Concen: 102.15 ng
 RT: 11.55 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: BF092428.D
 Acq: 24 Jan 2017 14:50

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



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





#71

Anthracene

Concen: 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

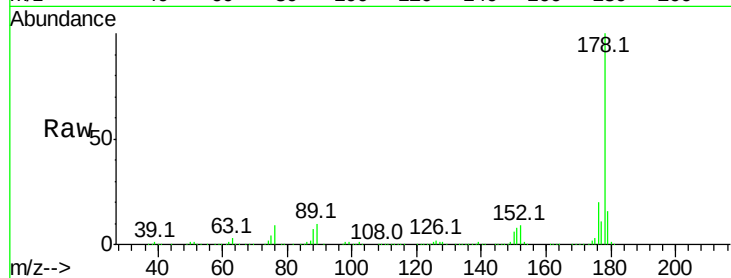
Tot Ion:178 Resp: 2763955

Ion Ratio Lower Upper

178 100

176 20.5 15.9 23.9

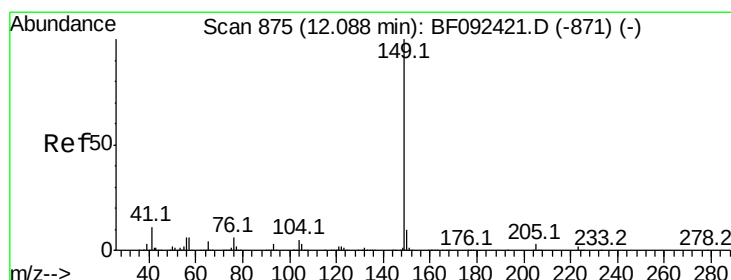
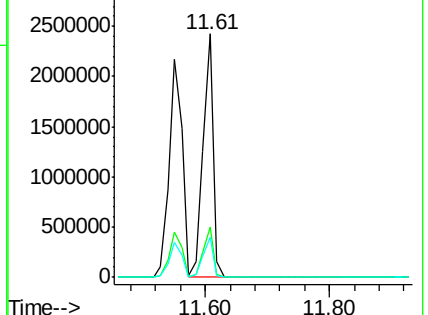
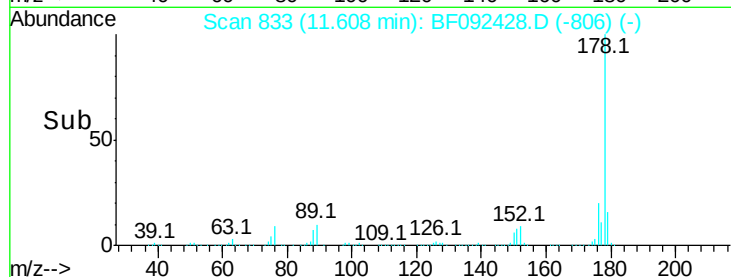
179 16.4 13.2 19.8



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

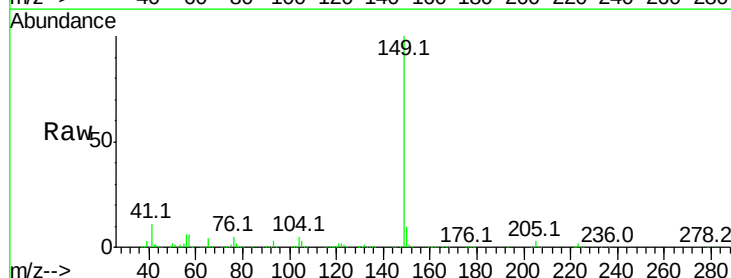
Tgt Ion:149 Resp: 2840214

Ion Ratio Lower Upper

149 100

150 9.9 8.1 12.1

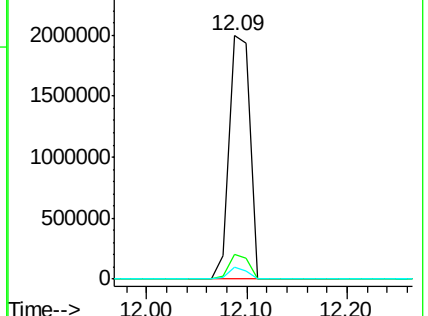
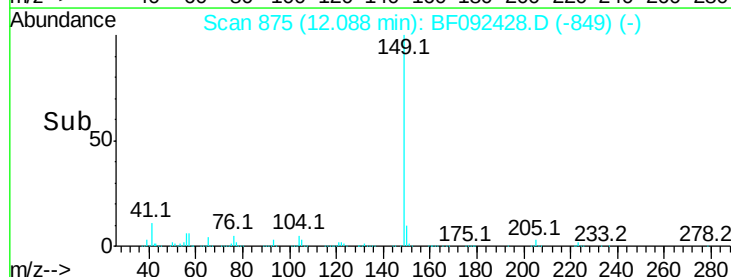
104 5.1 4.6 7.0

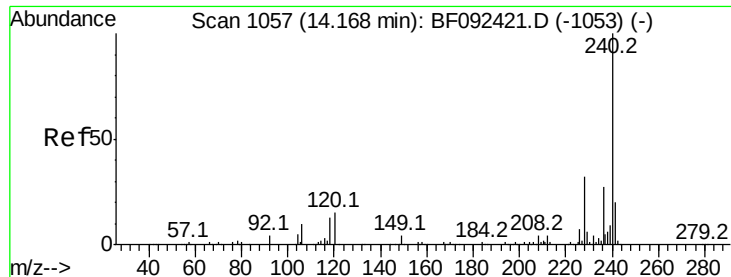


Abundance Ion 149.00 (148.70 to 149.70): E

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

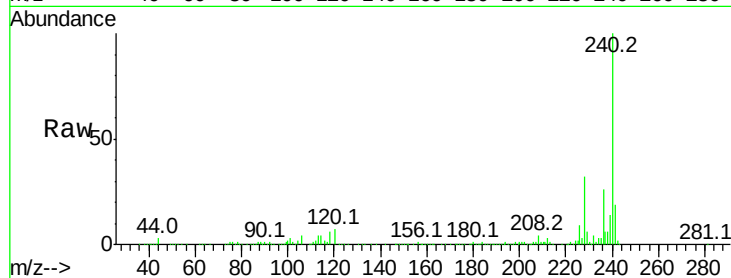
Tot Ion:240 Resp: 314071

Ion Ratio Lower Upper

240 100

120 7.0 12.9 19.3#

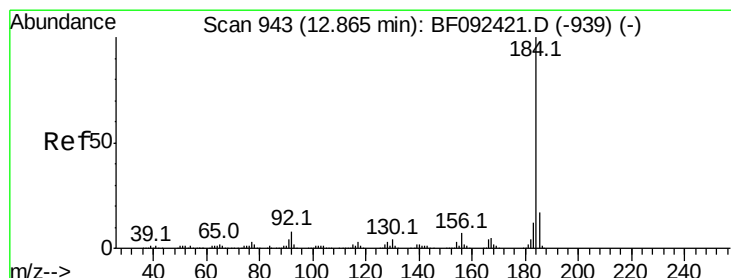
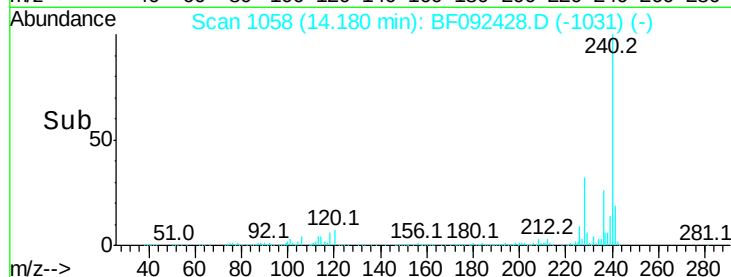
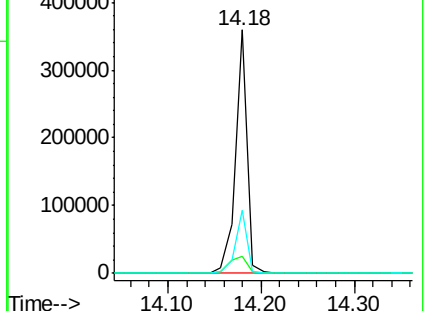
236 25.8 20.9 31.3



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



#76

Benzidine

Concen: 2.01 ng

RT: 13.12 min Scan# 965

Delta R.T. 0.25 min

Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

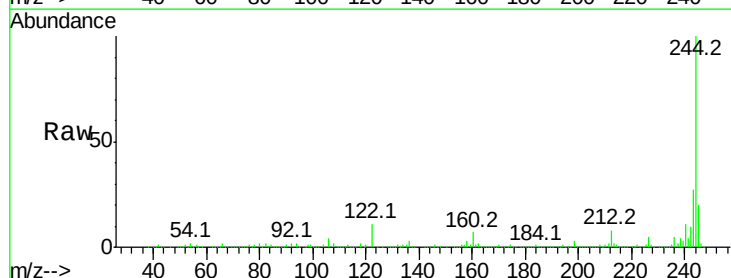
Tgt Ion:184 Resp: 23486

Ion Ratio Lower Upper

184 100

185 17.1 13.4 20.0

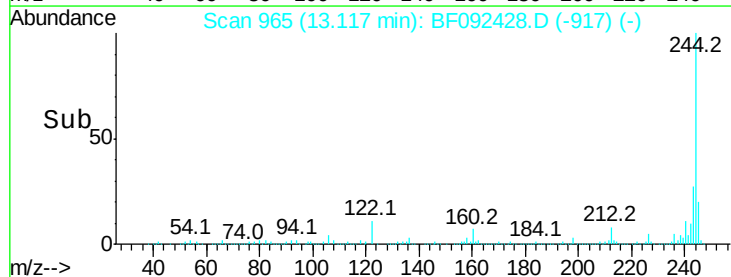
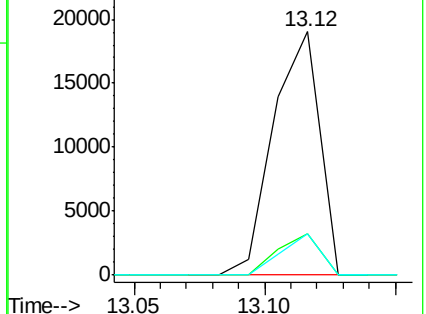
183 17.0 9.2 13.8#

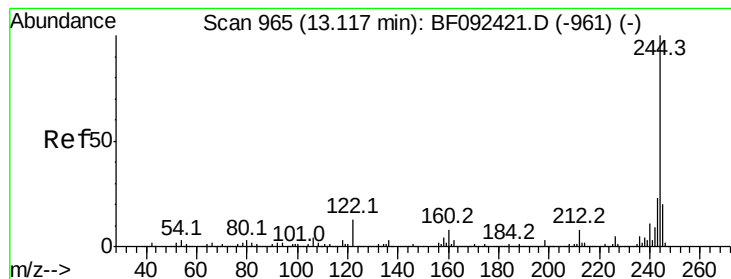


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#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

Instrument :

BNA_F

ClientSampleId :

0036

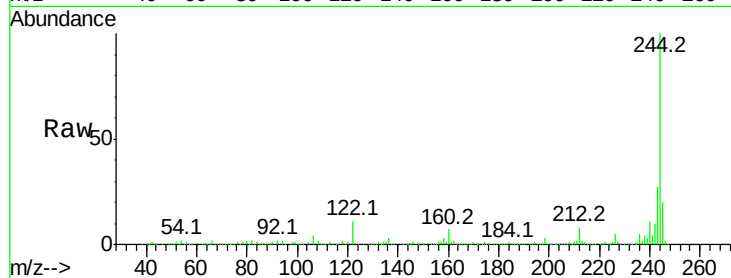
Tot Ion:244 Resp: 1654988

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

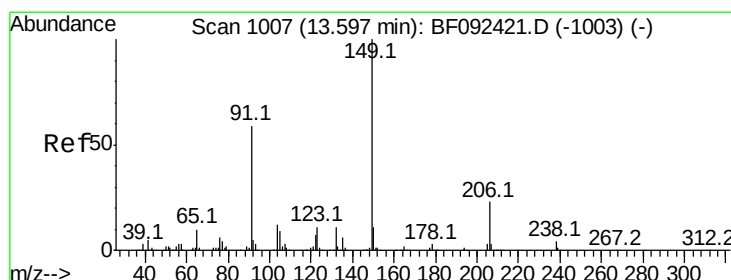
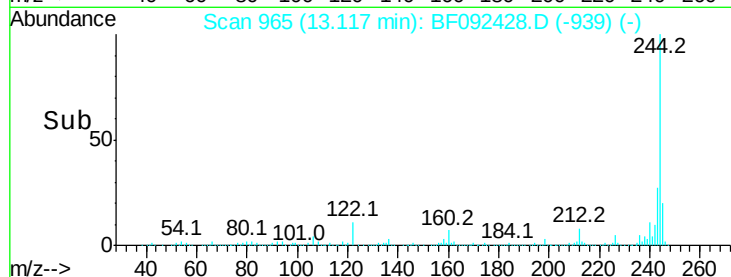
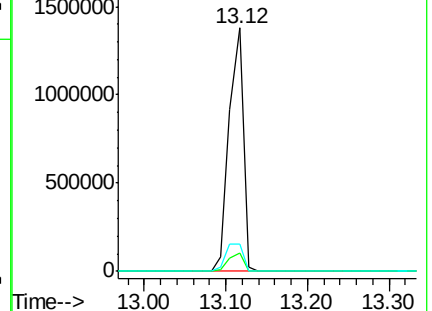
122 11.2 11.4 17.2#



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

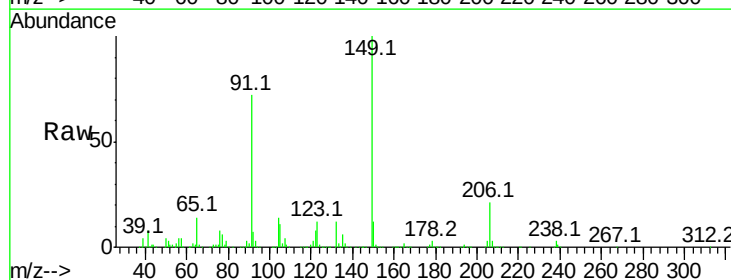
Tgt Ion:149 Resp: 1752727

Ion Ratio Lower Upper

149 100

91 71.9 63.9 95.9

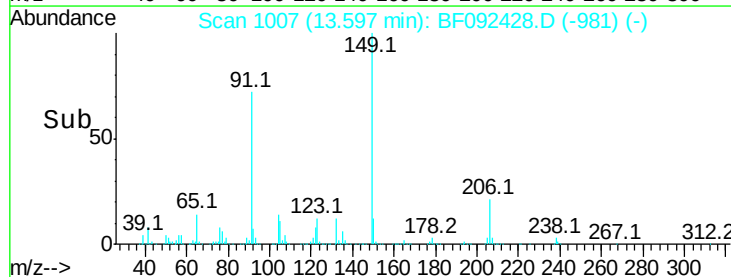
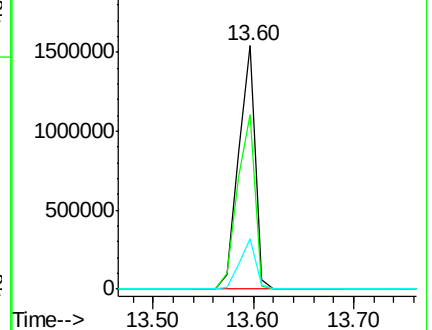
206 20.7 14.6 21.8

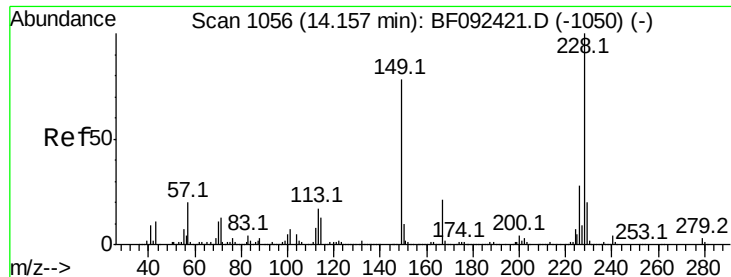


Abundance Ion 149.00 (148.70 to 149.70): E

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

Instrument :

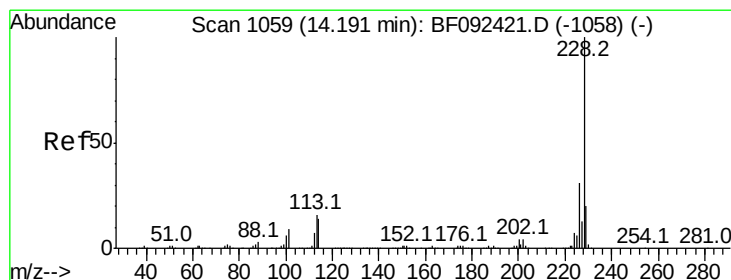
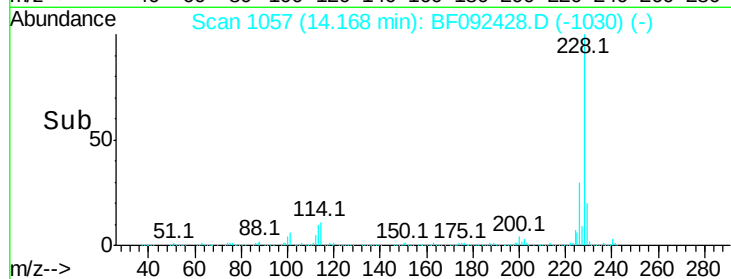
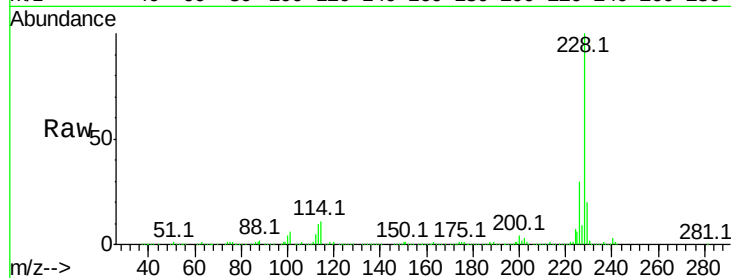
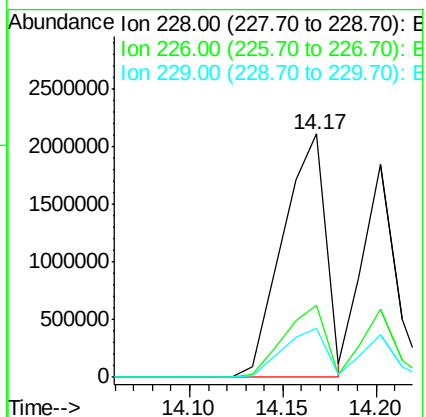
BNA_F

ClientSampleId :

0036

Tot Ion:228 Resp: 3384996

Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.4	33.6
229	20.2	16.2	24.4



#82

Chrysene

Concen: 125.97 ng

RT: 14.20 min Scan# 1060

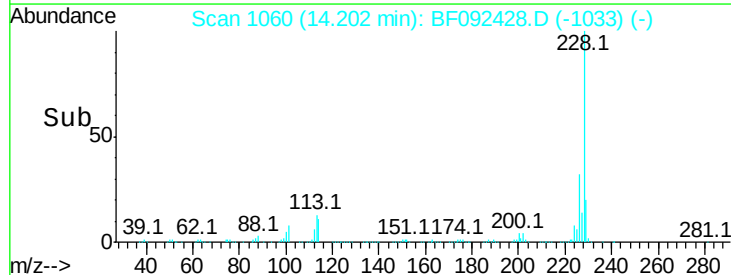
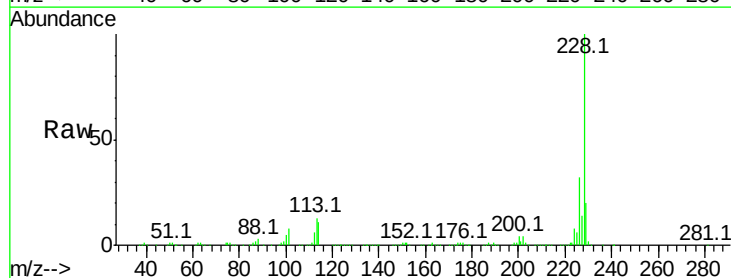
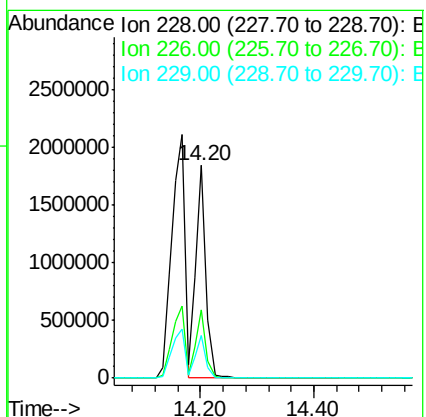
Delta R.T. 0.01 min

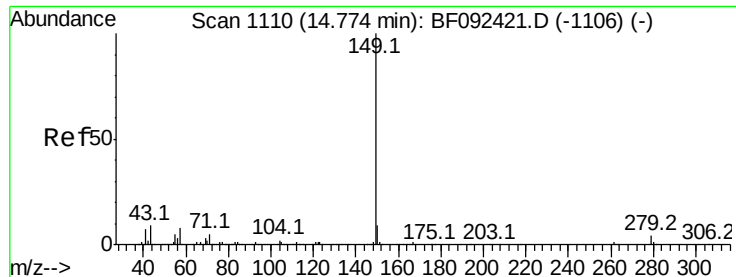
Lab File: BF092428.D

Acq: 24 Jan 2017 14:50

Tgt 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

Instrument :

BNA_F

ClientSampleId :

0036

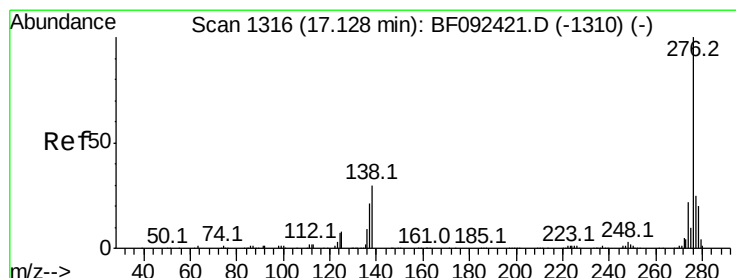
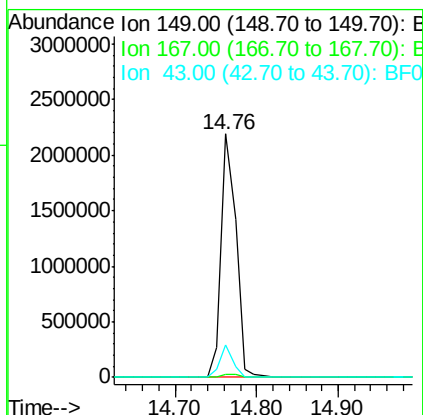
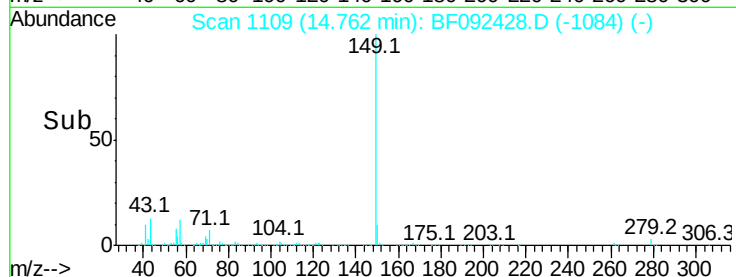
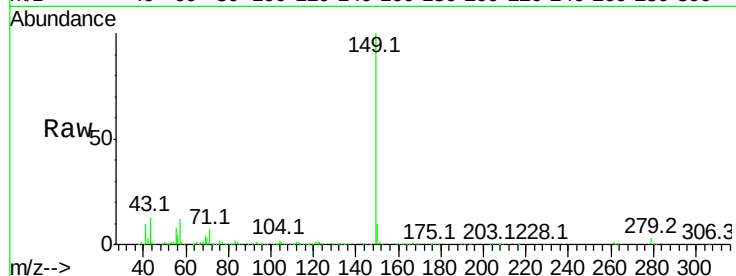
Tot Ion:149 Resp: 2748283

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

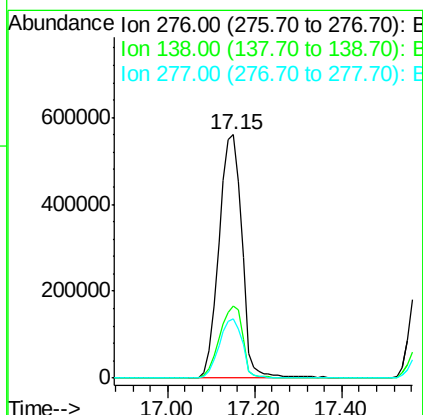
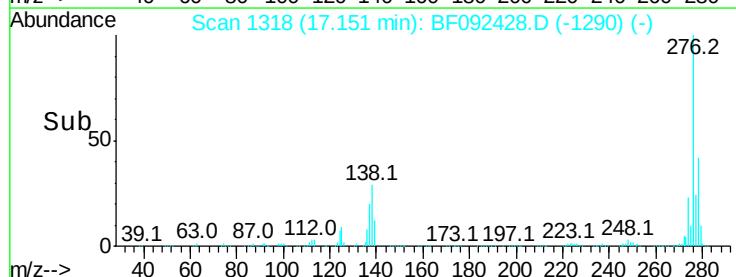
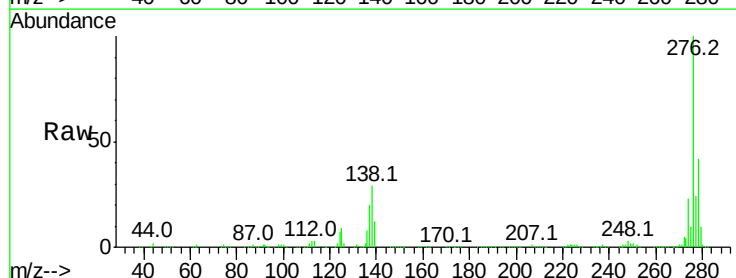
Tgt Ion:276 Resp: 2068683

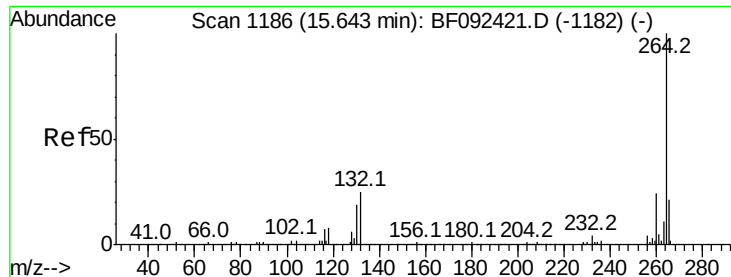
Ion Ratio Lower Upper

276 100

138 30.2 21.8 32.6

277 24.3 20.2 30.4

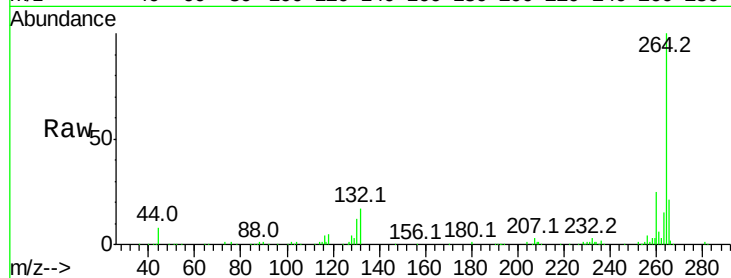




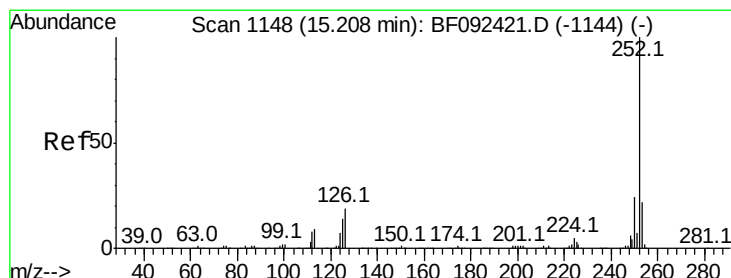
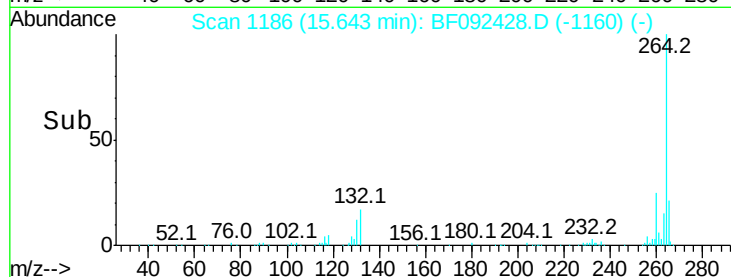
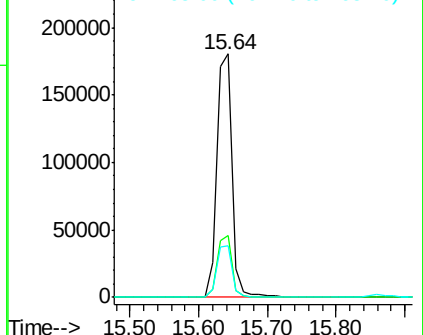
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.64 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BF092428.D
Acq: 24 Jan 2017 14:50

Instrument :
BNA_F
ClientSampled :
0036

Tot Ion:264 Resp: 283752
Ion Ratio Lower Upper
264 100
260 25.2 19.2 28.8
265 21.0 17.4 26.0

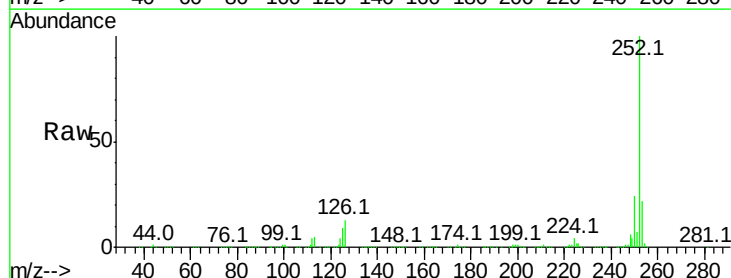


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

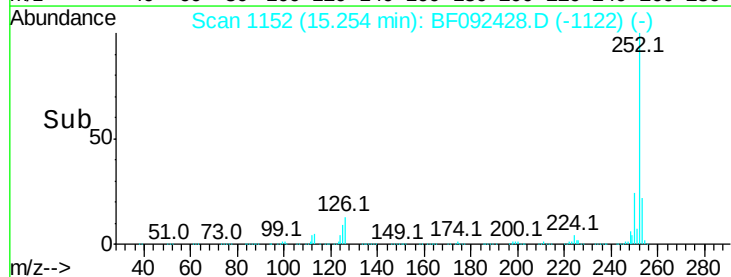
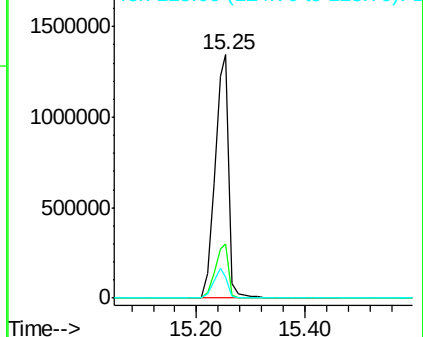


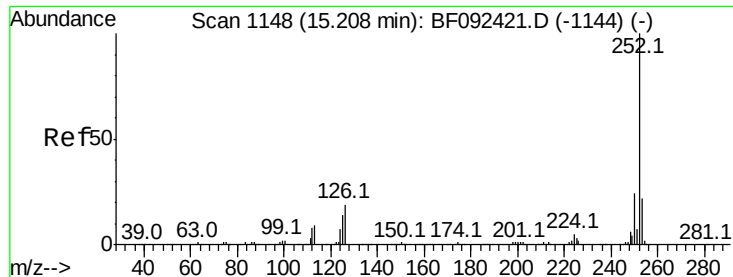
#87
Benzo(b)fluoranthene
Concen: 131.93 ng
RT: 15.25 min Scan# 1152
Delta R.T. 0.05 min
Lab File: BF092428.D
Acq: 24 Jan 2017 14:50

Tgt Ion:252 Resp: 2403240
Ion Ratio Lower Upper
252 100
253 22.1 18.2 27.4
125 8.7 9.8 14.6#



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

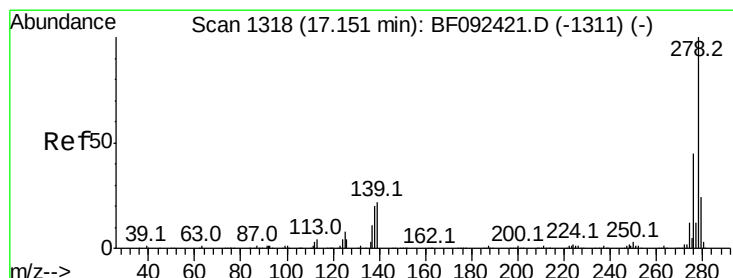
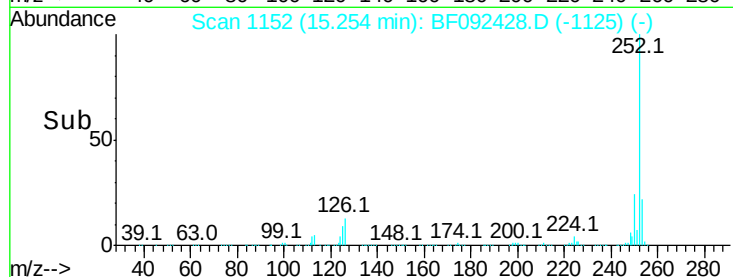
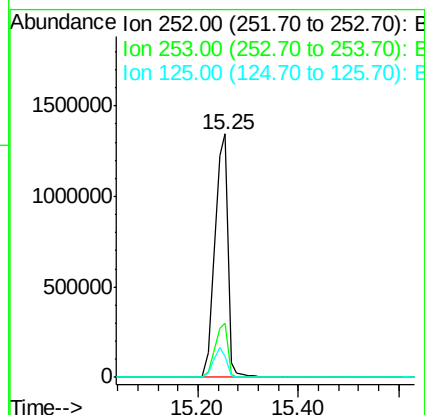
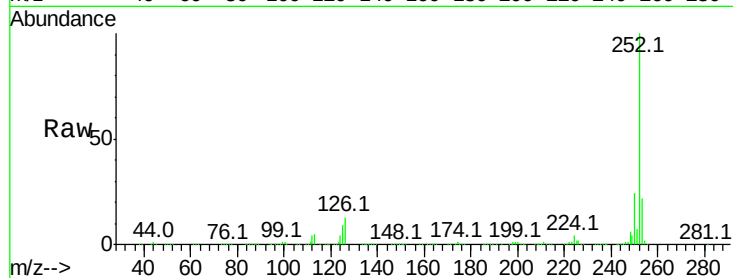




#88
Benzo(k)fluoranthene
Concen: 158.74 ng
RT: 15.25 min Scan# 1152
Delta R.T. 0.01 min
Lab File: BF092428.D
Acq: 24 Jan 2017 14:50

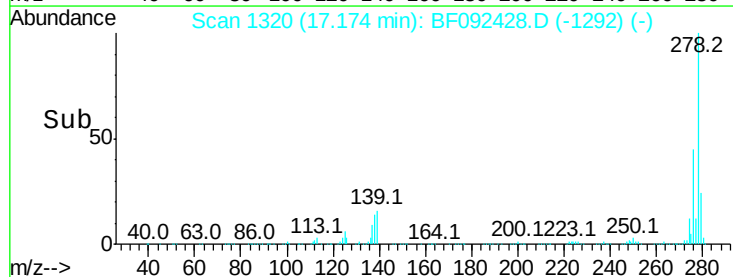
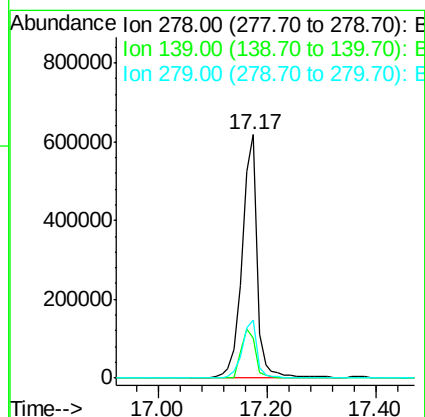
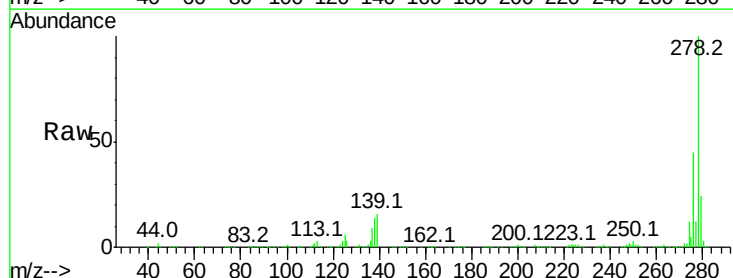
Instrument :
BNA_F
ClientSampleId :
0036

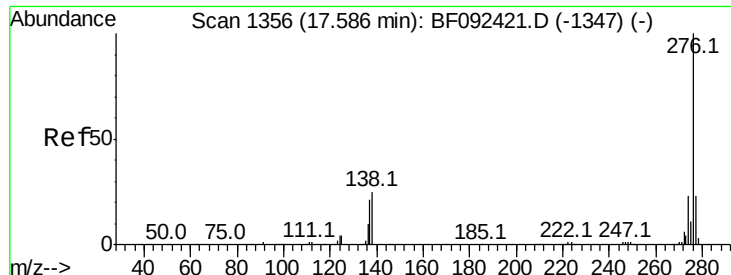
Tot Ion:252 Resp: 2404411
Ion Ratio Lower Upper
252 100
253 22.1 18.5 27.7
125 8.7 8.9 13.3#



#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

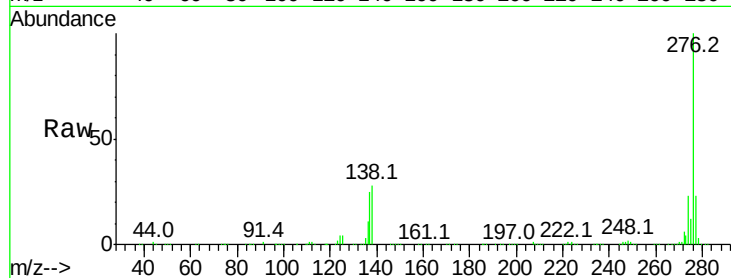
Tot Ion:276 Resp: 2606475

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

