

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
 Data File : BF091948.D
 Acq On : 24 Dec 2016 3:46
 Operator : UM/SJ
 Sample : H6205-03
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-18

Quant Time: Dec 24 04:36:49 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

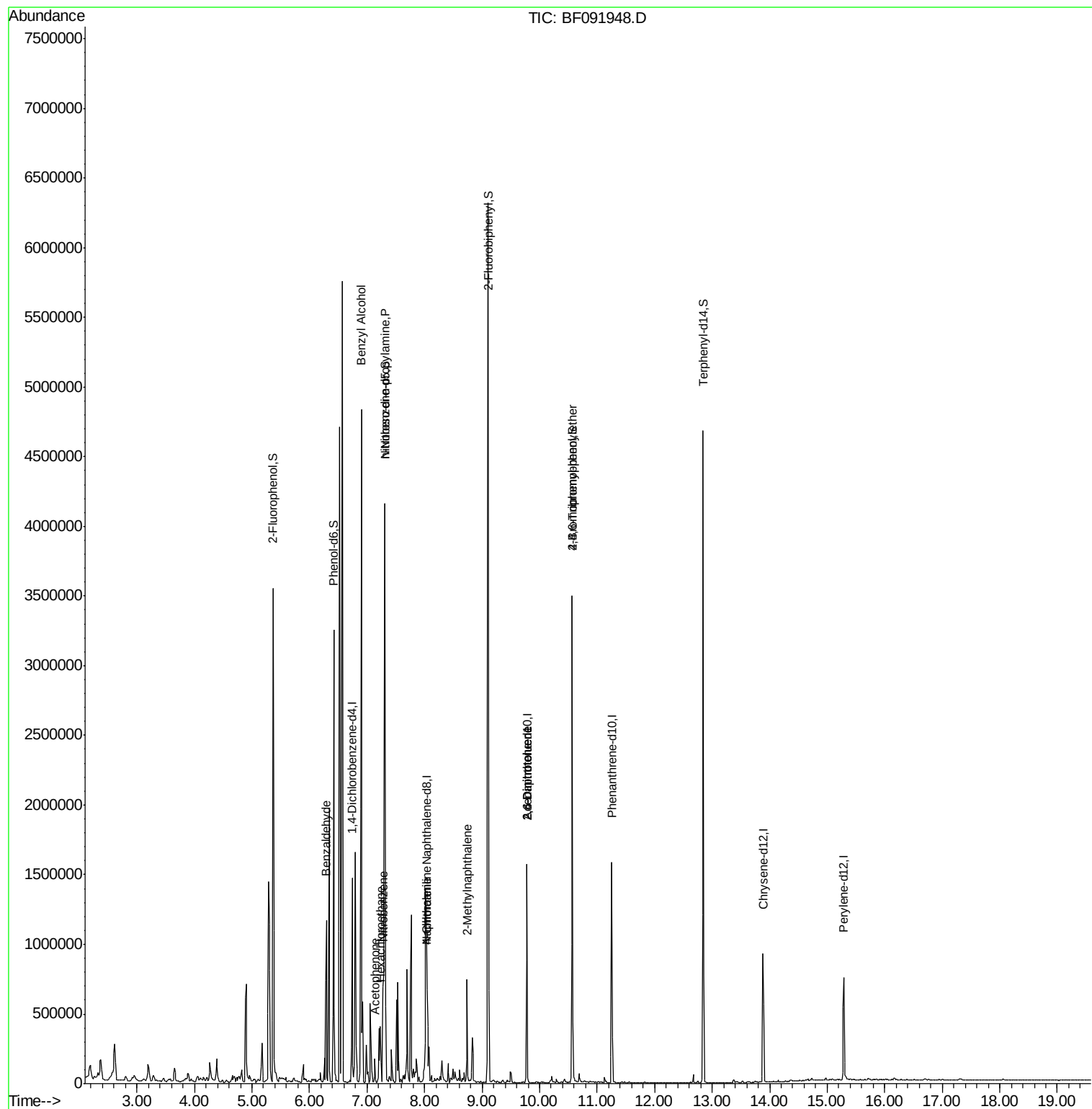
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	209428	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	815942	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	418757	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	575949	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	396999	20.00	ng	-0.02
86) Perylene-d12	15.29	264	375815	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1075372	85.74	ng	0.02
7) Phenol-d6	6.42	99	648979	42.38	ng	0.01
23) Nitrobenzene-d5	7.31	82	1306125	89.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	393814	113.64	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	2014984	101.02	ng	-0.01
78) Terphenyl-d14	12.84	244	1496273	91.41	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.29	77	70745	6.05	ng	# 1
15) Benzyl Alcohol	6.90	79	25868	2.17	ng	# 34
18) Hexachloroethane	7.23	117	24563	4.27	ng	# 1
19) n-Nitroso-di-n-propylamine	7.31	70	179143	17.58	ng	# 78
22) Acetophenone	7.14	105	69302	3.44	ng	# 53
24) Nitrobenzene	7.28	77	44875	2.87	ng	# 13
31) Naphthalene	8.04	128	281622	7.54	ng	# 98
33) 4-Chloroaniline	8.04	127	45563	2.71	ng	# 34
37) 2-Methylnaphthalene	8.74	142	194581	6.28	ng	# 97
50) 2,6-Dinitrotoluene	9.78	165	51841	8.84	ng	# 31
56) 2,4-Dinitrotoluene	9.78	165	51841	7.05	ng	# 20
66) 4-Bromophenyl-phenylether	10.57	248	26112	4.36	ng	# 1
71) Anthracene	11.28	178	672	Below Cal	#	59
73) Di-n-butylphthalate	11.82	149	3346	Below Cal	#	92
74) Fluoranthene	12.46	202	236	Below Cal	#	61

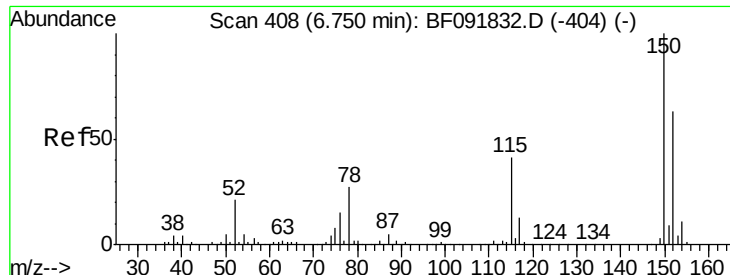
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF091948.D

Acq: 24 Dec 2016 3:46

Instrument :

BNA_F

ClientSampleId :

W-18

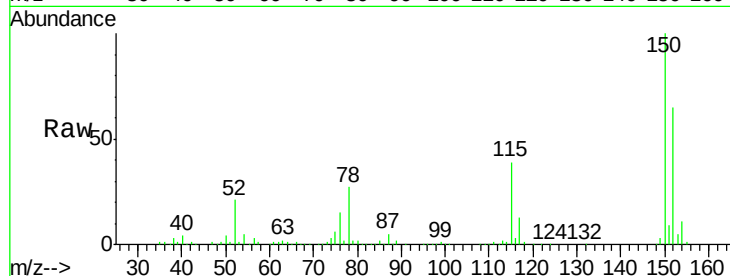
Tgt Ion:152 Resp: 209428

Ion Ratio Lower Upper

152 100

150 154.4 124.9 187.3

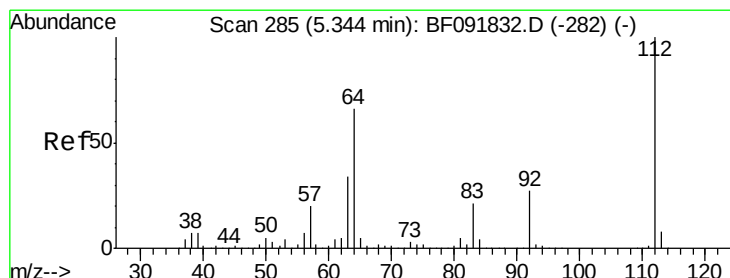
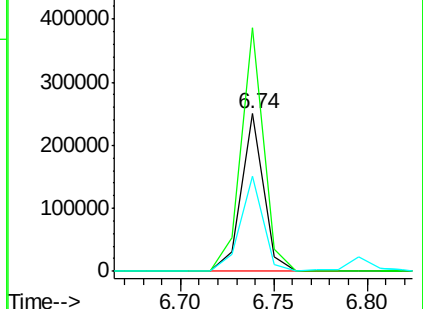
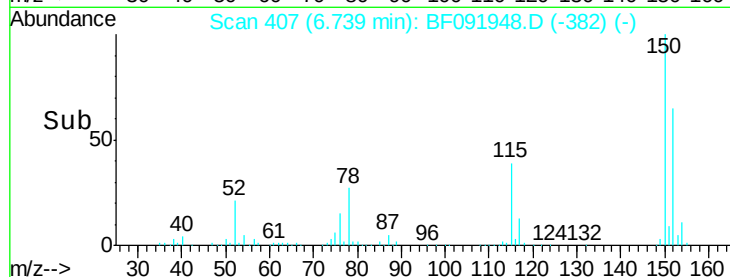
115 60.5 46.0 69.0



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



#5

2-Fluorophenol

Concen: 85.74 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.02 min

Lab File: BF091948.D

Acq: 24 Dec 2016 3:46

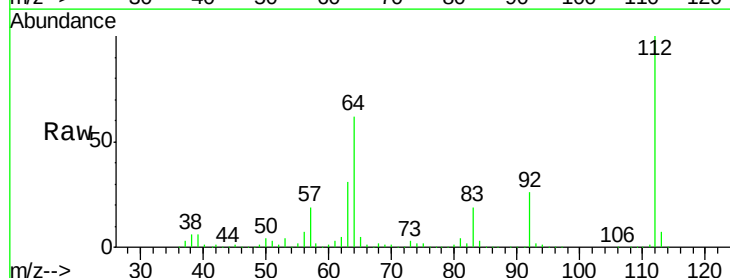
Tgt Ion:112 Resp: 1075372

Ion Ratio Lower Upper

112 100

64 62.3 46.1 69.1

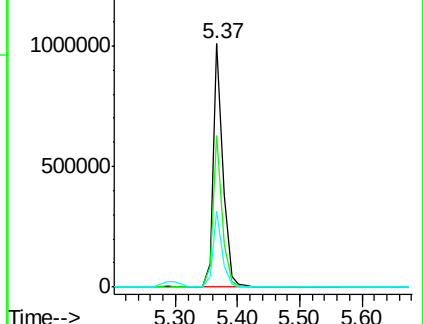
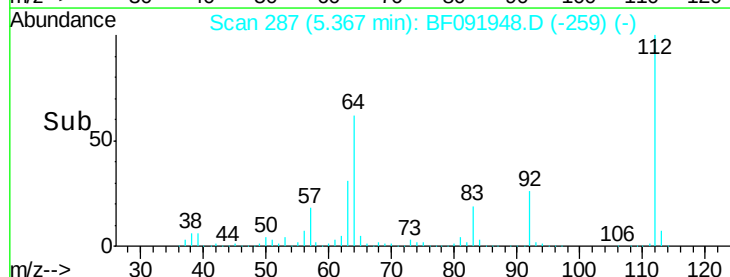
63 31.1 23.8 35.6

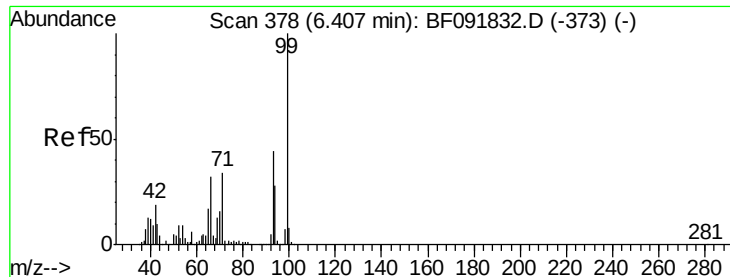


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 42.38 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.01 min

Lab File: BF091948.D

Acq: 24 Dec 2016 3:46

Instrument :

BNA_F

ClientSampleId :

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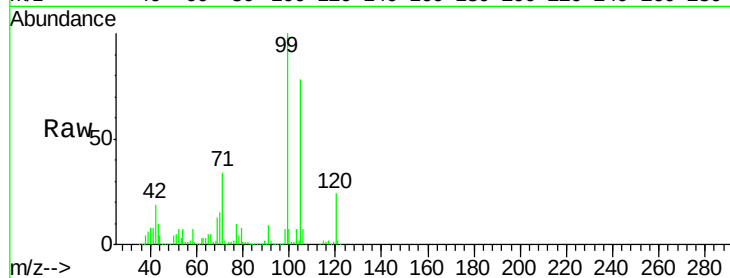
Tgt Ion: 99 Resp: 648979

Ion Ratio Lower Upper

99 100

42 18.7 15.6 23.4

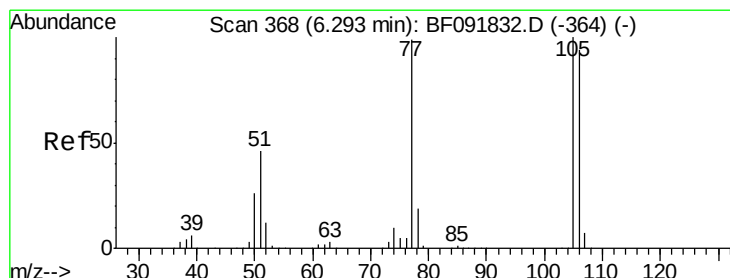
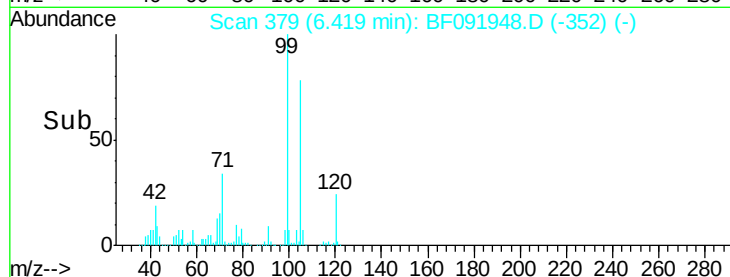
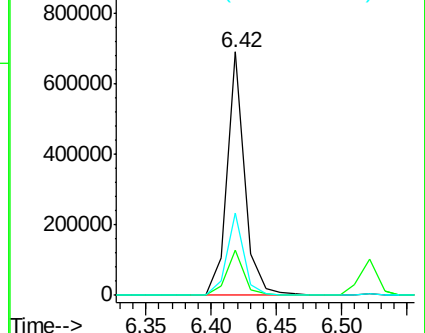
71 34.1 27.5 41.3



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



#9

Benzaldehyde

Concen: 6.05 ng

RT: 6.29 min Scan# 368

Delta R.T. -0.00 min

Lab File: BF091948.D

Acq: 24 Dec 2016 3:46

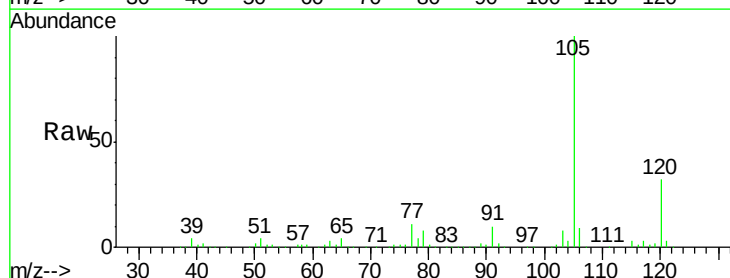
Tgt Ion: 77 Resp: 70745

Ion Ratio Lower Upper

77 100

105 923.8 83.9 123.9#

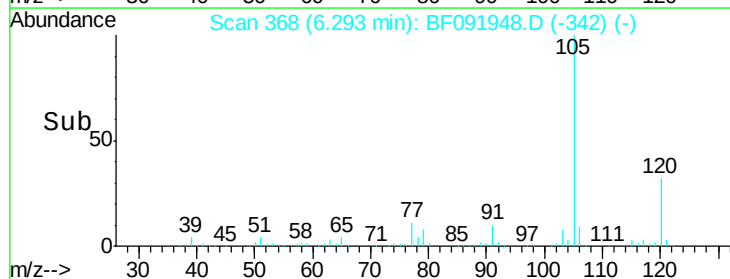
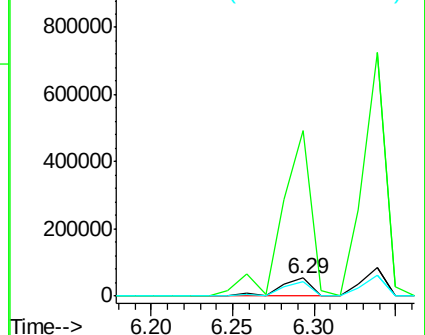
106 79.5 77.6 117.6

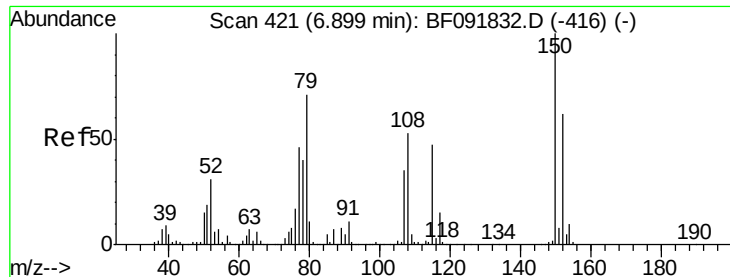


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.17 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.00 min

Lab File: BF091948.D

Acq: 24 Dec 2016 3:46

Instrument :

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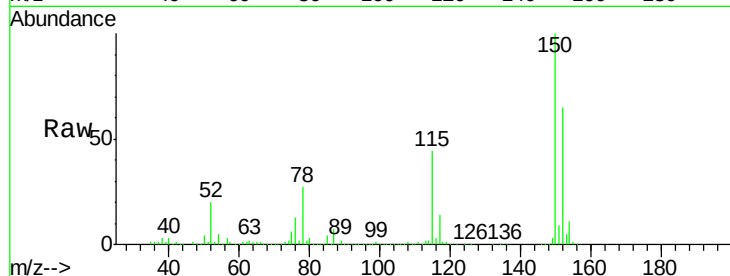
Tgt Ion: 79 Resp: 25868

Ion Ratio Lower Upper

79 100

108 30.1 61.4 92.0#

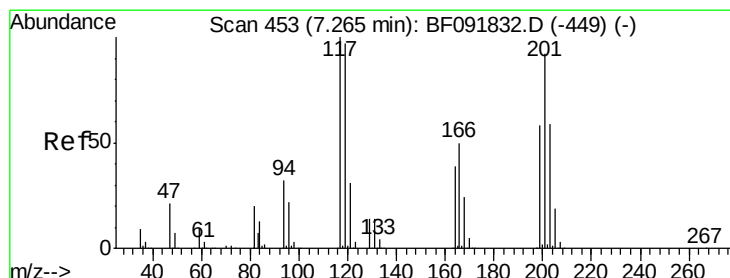
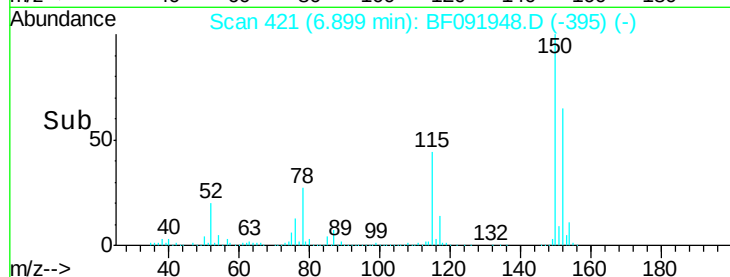
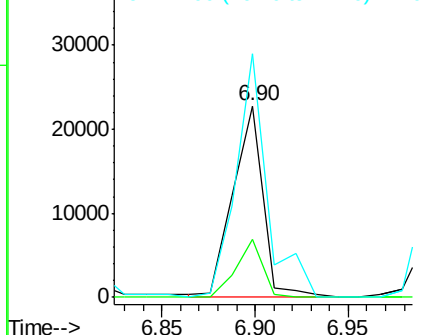
77 127.0 50.9 76.3#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 4.27 ng

RT: 7.23 min Scan# 450

Delta R.T. -0.03 min

Lab File: BF091948.D

Acq: 24 Dec 2016 3:46

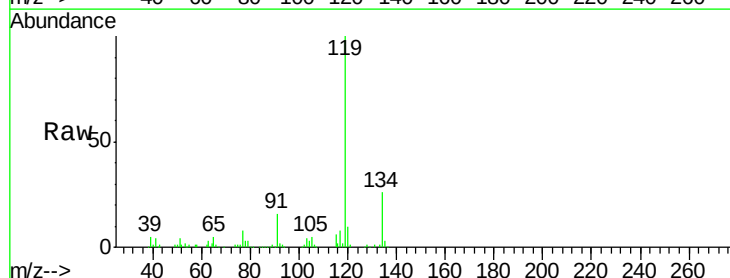
Tgt Ion: 117 Resp: 24563

Ion Ratio Lower Upper

117 100

119 1292.7 78.1 117.1#

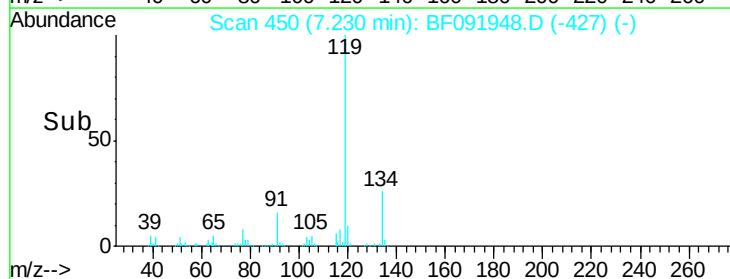
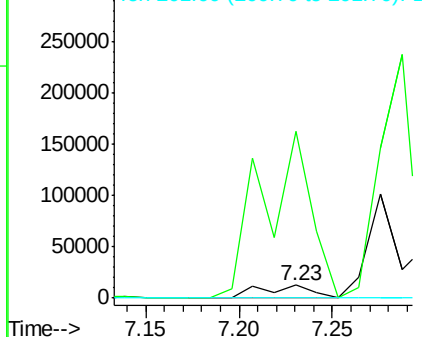
201 0.0 78.6 117.8#

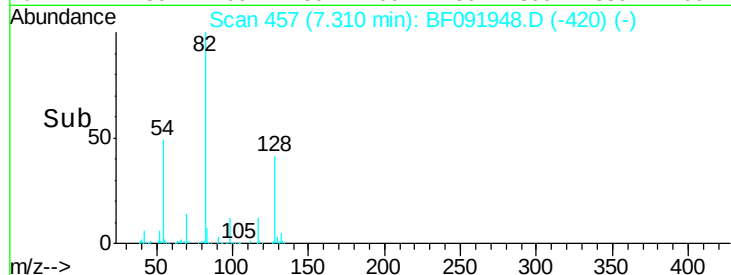
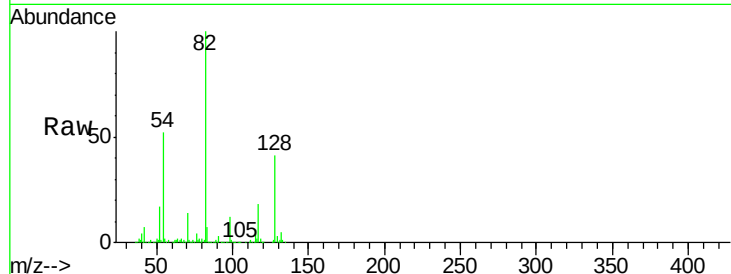
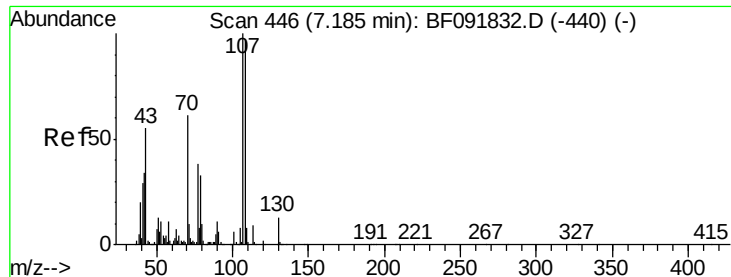


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

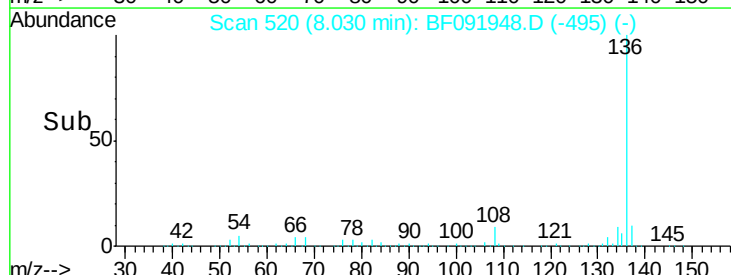
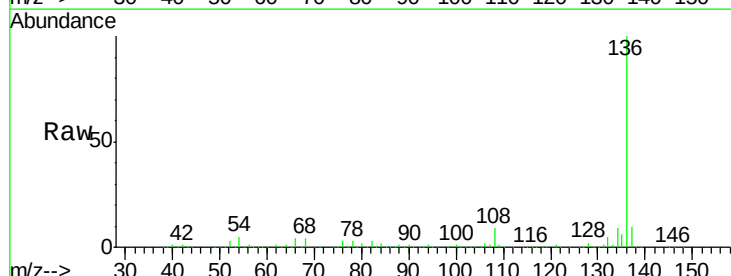
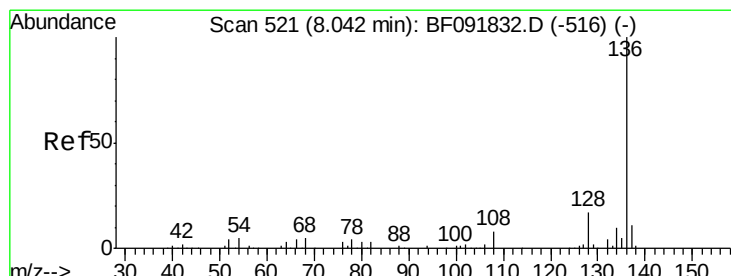
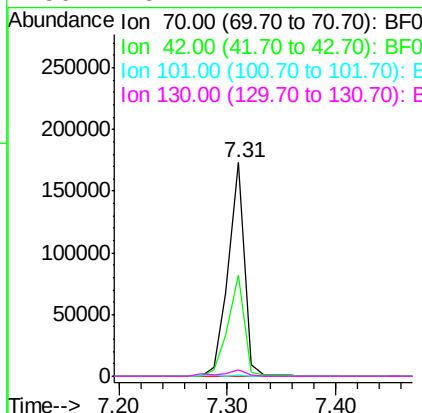




#19
n-Nitroso-di-n-propylamine
Concen: 17.58 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.13 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

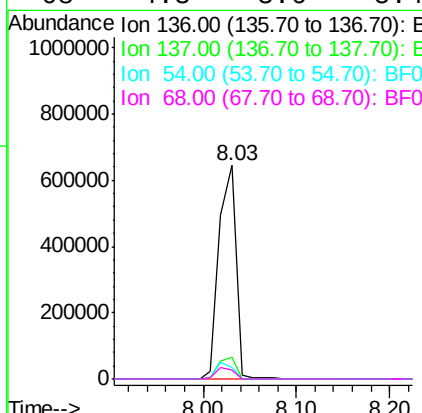
Instrument :
BNA_F
ClientSampleId :
W-18

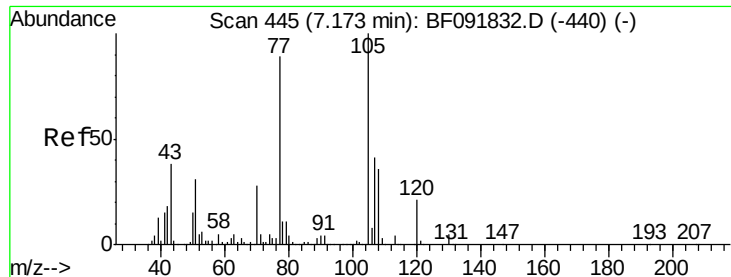
Tgt Ion:	70	Resp:	179143
Ion	Ratio	Lower	Upper
70	100		
42	47.1	49.4	74.0#
101	0.7	7.4	11.2#
130	3.1	14.2	21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.01 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

Tgt Ion:	136	Resp:	815942
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	5.3	4.5	6.7
68	4.3	3.6	5.4





#22

Acetophenone

Concen: 3.44 ng

RT: 7.14 min Scan# 442

Delta R.T. -0.03 min

Lab File: BF091948.D

Acq: 24 Dec 2016 3:46

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:105 Resp: 69302

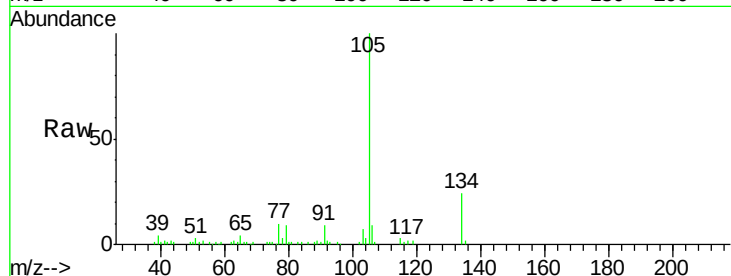
Ion Ratio Lower Upper

105 100

71 0.0 3.2 4.8#

51 3.2 26.2 39.4#

120 0.0 16.6 24.8#



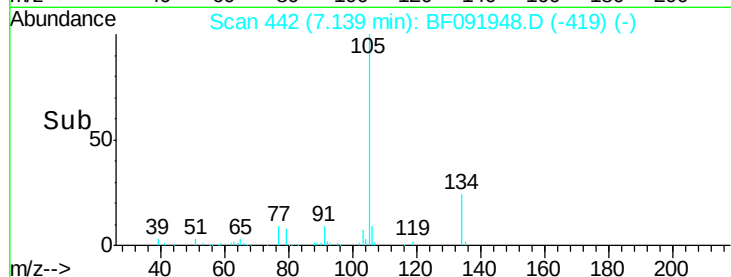
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

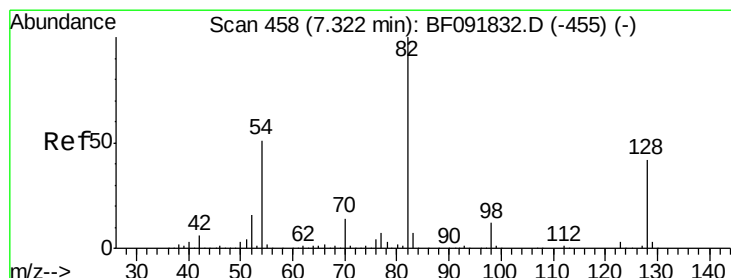
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

Time-->



Time-->



#23

Nitrobenzene-d5

Concen: 89.01 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.01 min

Lab File: BF091948.D

Acq: 24 Dec 2016 3:46

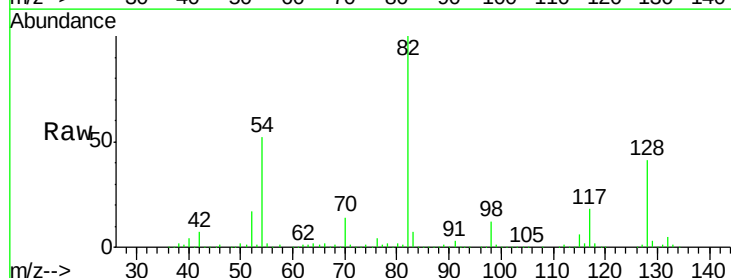
Tgt Ion: 82 Resp: 1306125

Ion Ratio Lower Upper

82 100

128 40.8 34.6 52.0

54 51.6 39.5 59.3

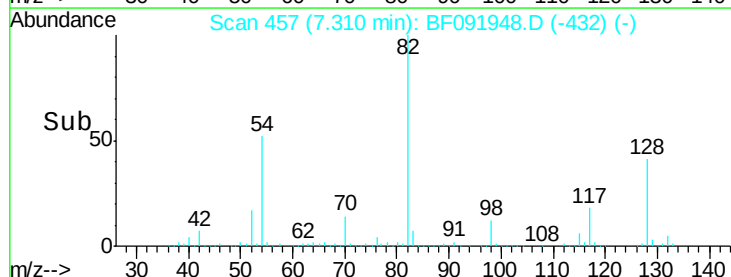


Abundance Ion 82.00 (81.70 to 82.70): BF0

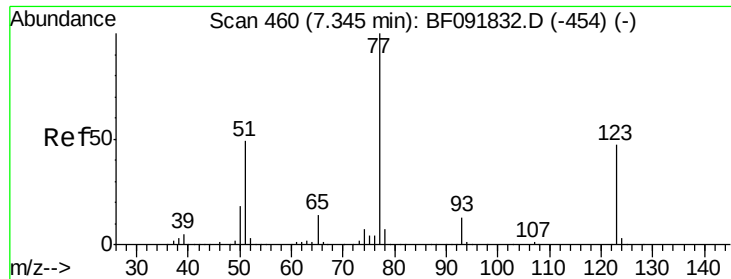
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->



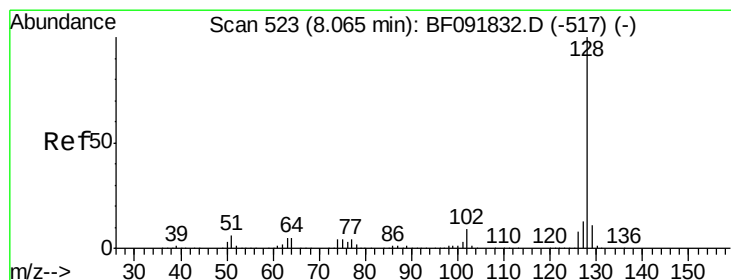
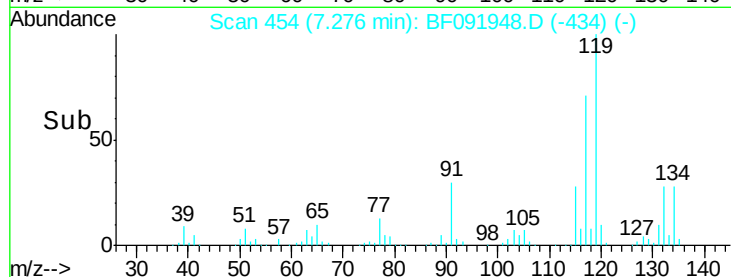
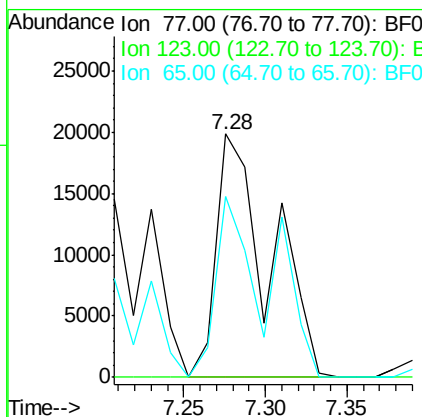
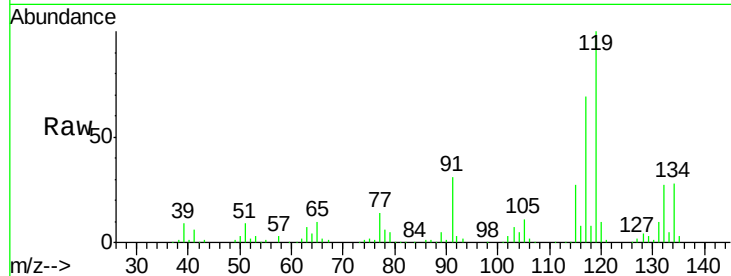
Time-->



#24
 Nitrobenzene
 Concen: 2.87 ng
 RT: 7.28 min Scan# 454
 Delta R.T. -0.07 min
 Lab File: BF091948.D
 Acq: 24 Dec 2016 3:46

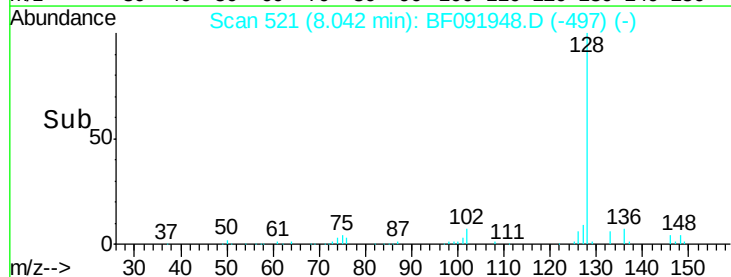
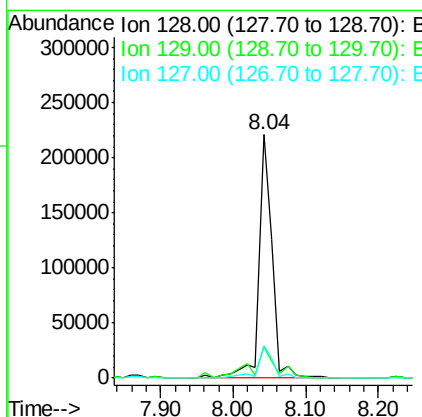
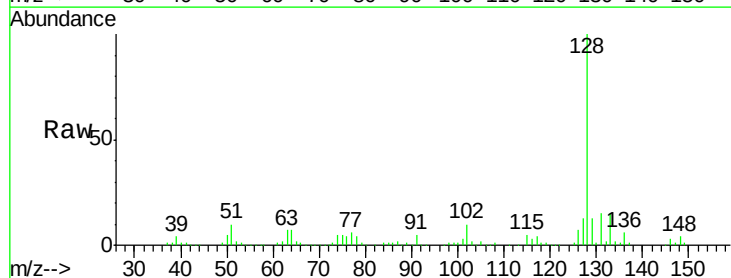
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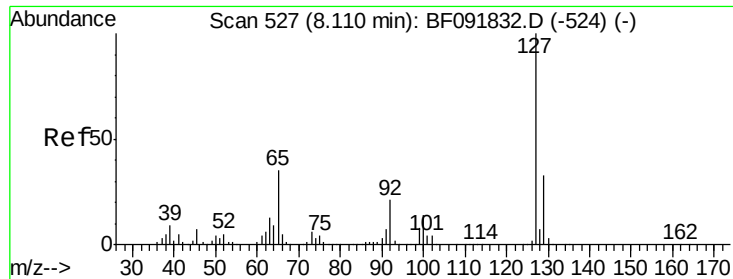
Tgt Ion: 77 Resp: 44875
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.4#
 65 74.4 11.2 16.8#



#31
 Naphthalene
 Concen: 7.54 ng
 RT: 8.04 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: BF091948.D
 Acq: 24 Dec 2016 3:46

Tgt Ion: 128 Resp: 281622
 Ion Ratio Lower Upper
 128 100
 129 13.0 9.5 14.3
 127 13.3 10.8 16.2

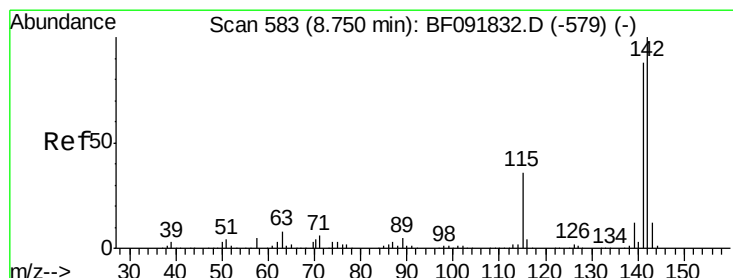
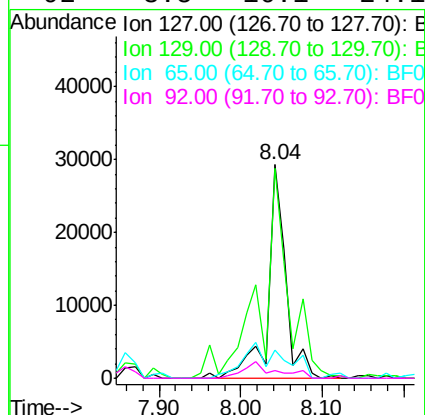
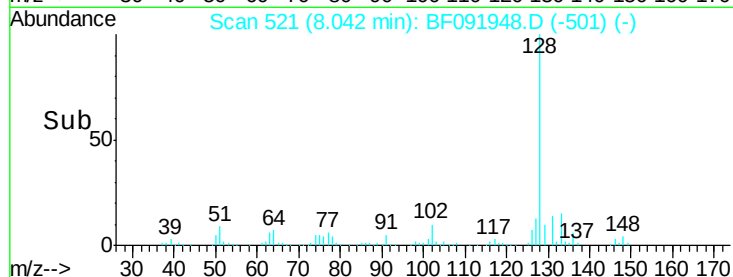
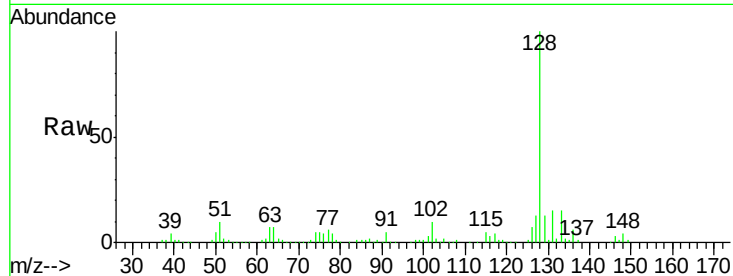




#33
4-Chloroaniline
Concen: 2.71 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.07 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

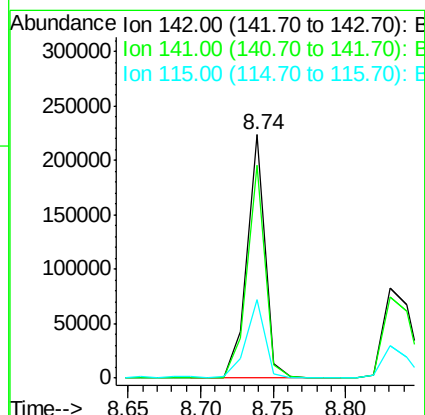
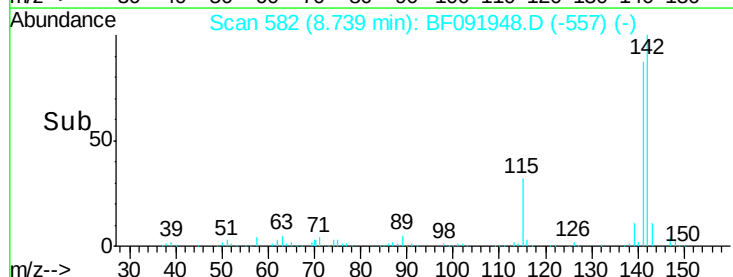
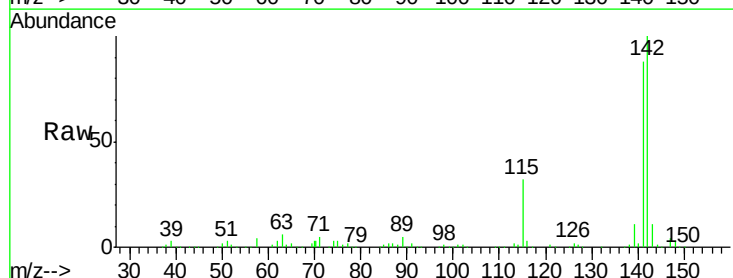
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BNA_F
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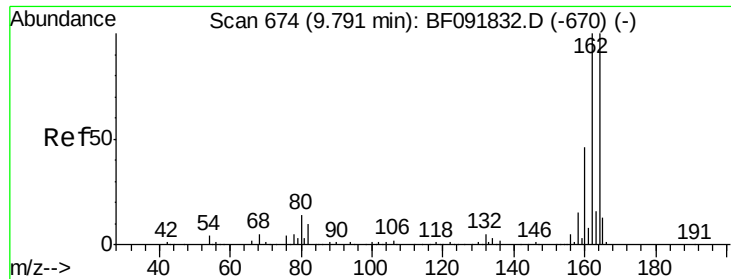
Tgt Ion:	127	Resp:	45563
Ion Ratio	Lower	Upper	
127	100		
129	98.1	26.3	39.5#
65	13.3	25.8	38.8#
92	3.5	16.1	24.1#



#37
2-Methylnaphthalene
Concen: 6.28 ng
RT: 8.74 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

Tgt Ion:	142	Resp:	194581
Ion Ratio	Lower	Upper	
142	100		
141	87.5	71.0	106.6
115	32.1	28.3	42.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF091948.D

Acq: 24 Dec 2016 3:46

Instrument :

BNA_F

ClientSampleId :

W-18

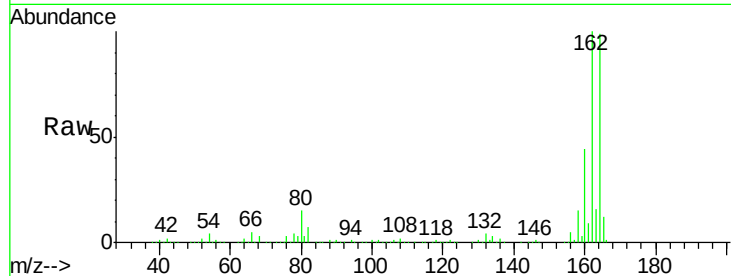
Tgt Ion:164 Resp: 418757

Ion Ratio Lower Upper

164 100

162 100.7 80.2 120.2

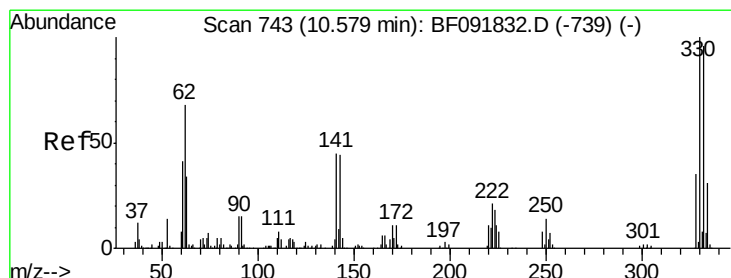
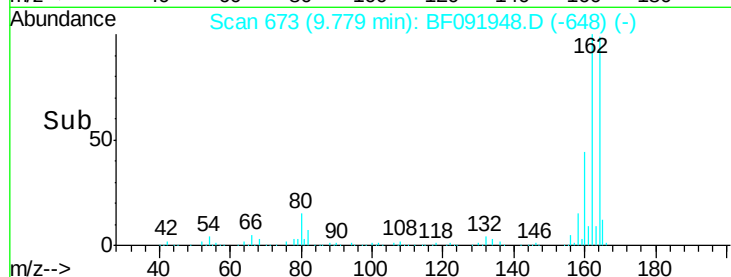
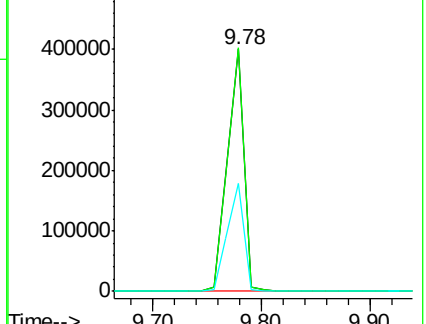
160 44.4 36.9 55.3



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



#41

2,4,6-Tribromophenol

Concen: 113.64 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF091948.D

Acq: 24 Dec 2016 3:46

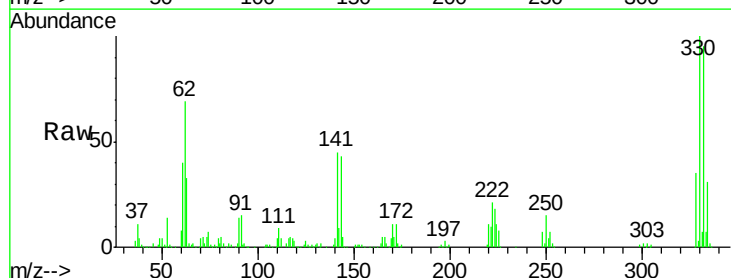
Tgt Ion:330 Resp: 393814

Ion Ratio Lower Upper

330 100

332 95.3 77.4 116.2

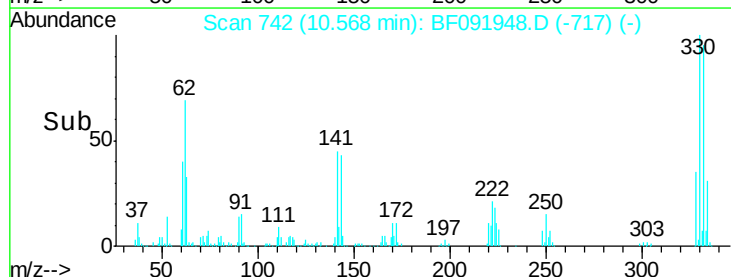
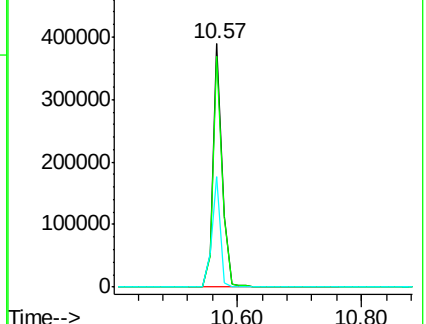
141 42.4 34.1 51.1

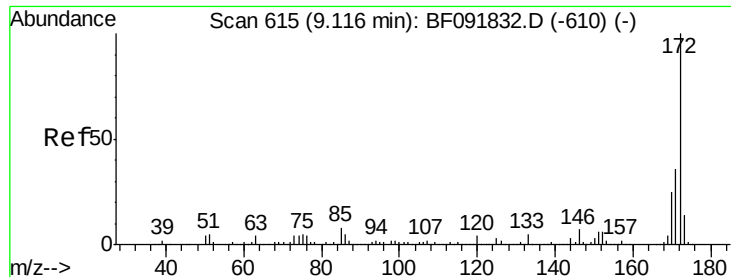


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

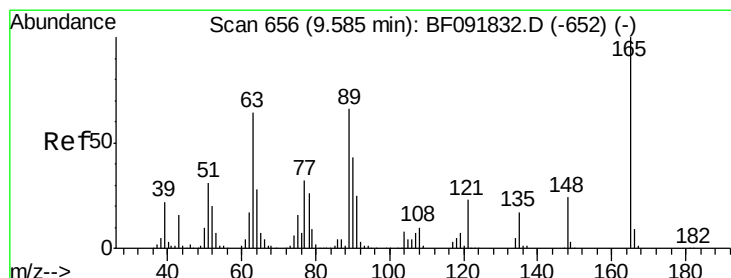
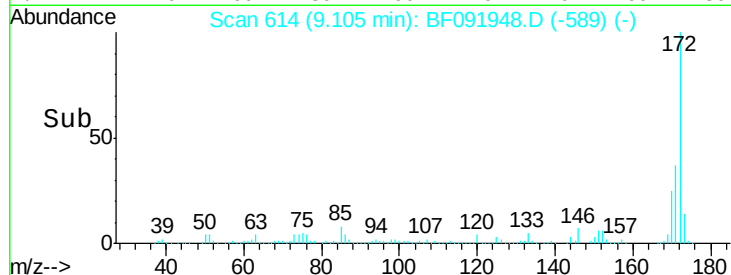
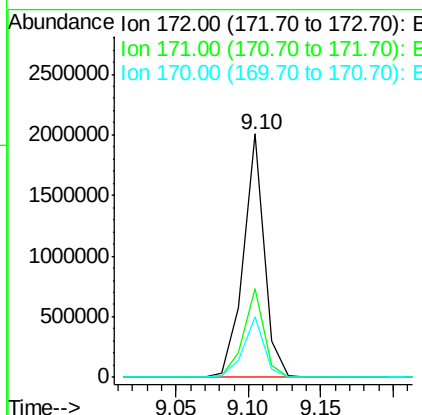
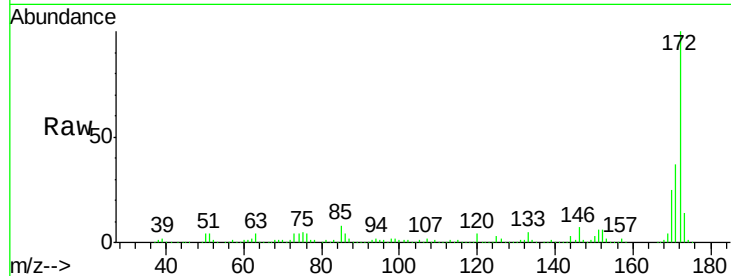




#44
 2-Fluorobiphenyl
 Concen: 101.02 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: BF091948.D
 Acq: 24 Dec 2016 3:46

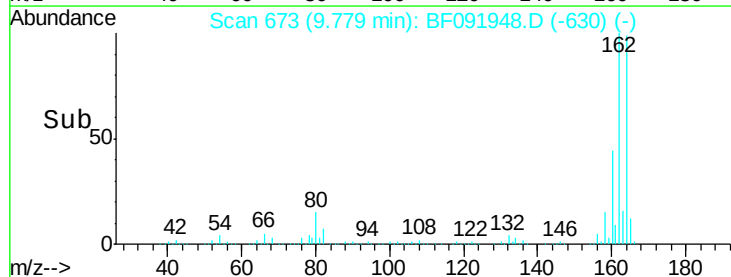
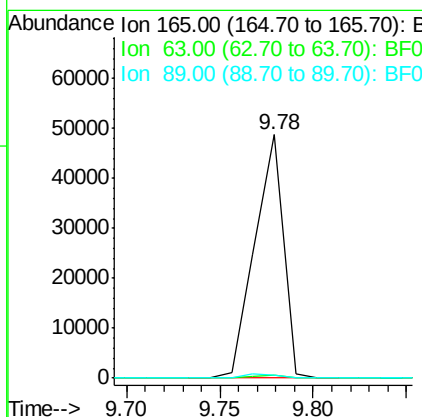
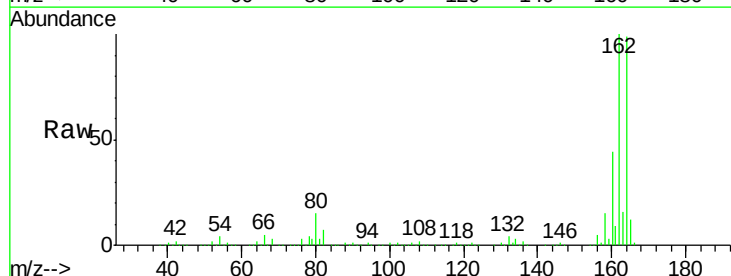
Instrument :
 BNA_F
 ClientSampled :
 W-18

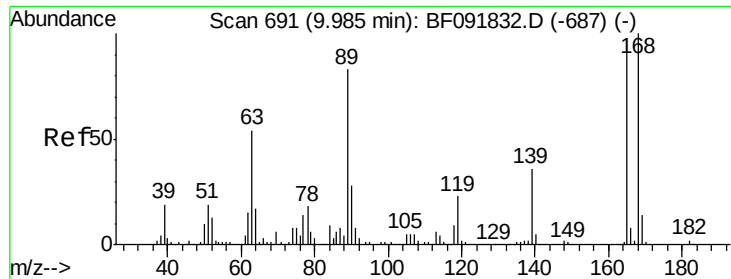
Tgt Ion:172 Resp: 2014984
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.4 44.0
 170 25.0 20.2 30.4



#50
 2,6-Dinitrotoluene
 Concen: 8.84 ng
 RT: 9.78 min Scan# 673
 Delta R.T. 0.19 min
 Lab File: BF091948.D
 Acq: 24 Dec 2016 3:46

Tgt Ion:165 Resp: 51841
 Ion Ratio Lower Upper
 165 100
 63 1.0 36.2 54.4#
 89 1.1 40.2 60.4#

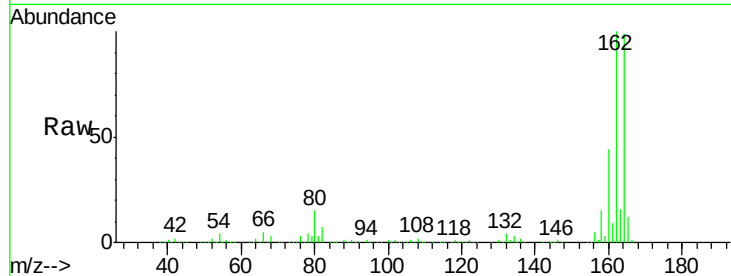




#56
 2,4-Dinitrotoluene
 Concen: 7.05 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.21 min
 Lab File: BF091948.D
 Acq: 24 Dec 2016 3:46

Instrument :
 BNA_F
 ClientSampleId :
 W-18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	40.2	60.4#
89	1.1	62.5	93.7#
182	0.0	1.8	2.8#

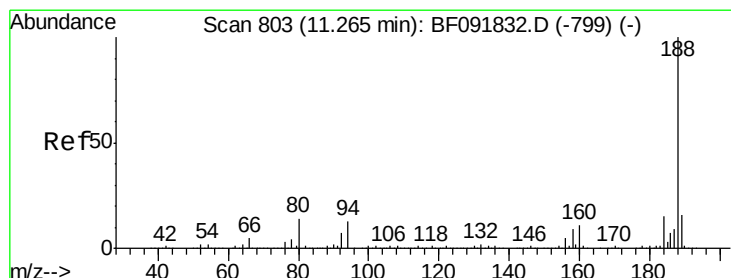
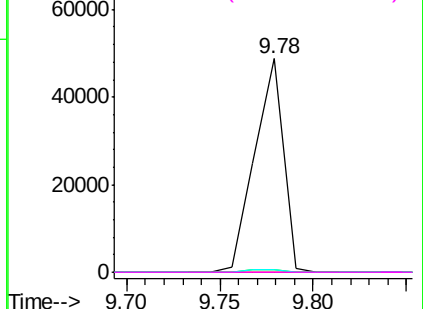
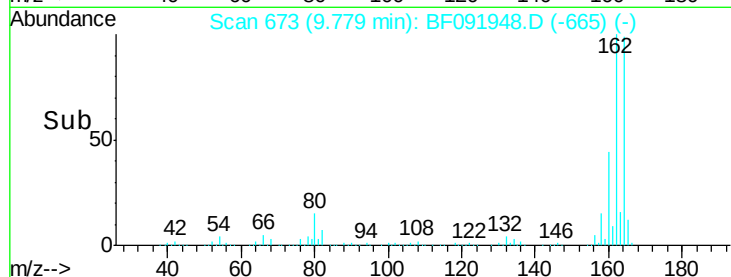


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

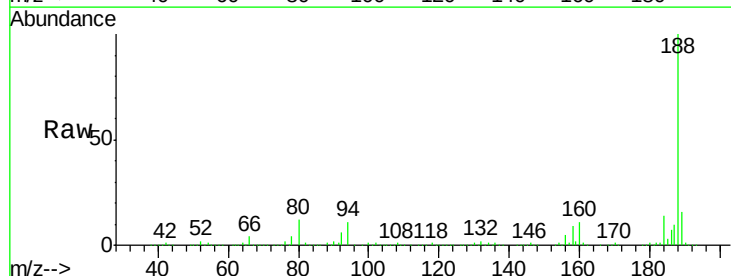
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF091948.D
 Acq: 24 Dec 2016 3:46

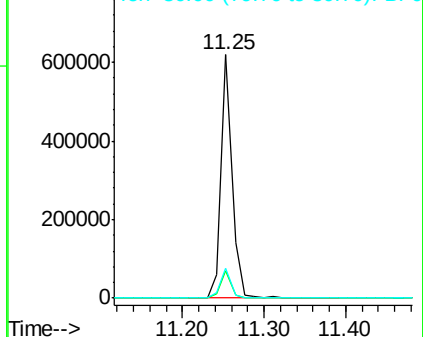
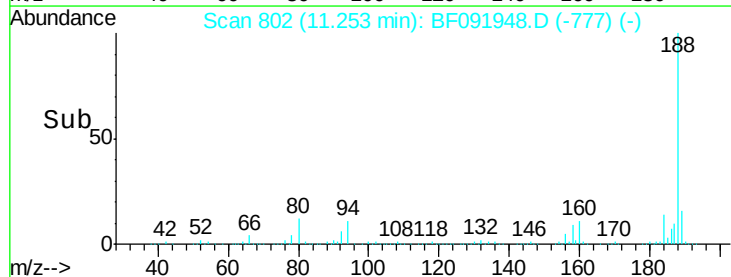
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	10.0	15.0
80	12.3	11.2	16.8

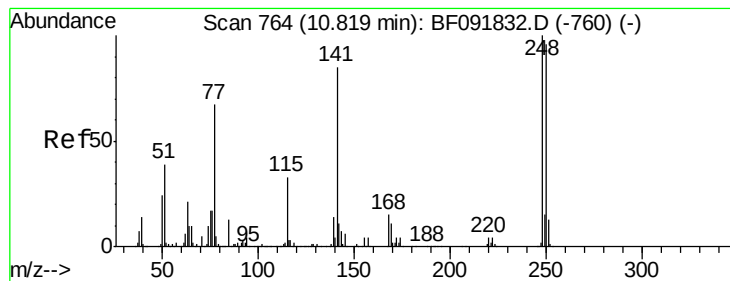


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 4.36 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.25 min

Lab File: BF091948.D

Acq: 24 Dec 2016 3:46

Instrument :

BNA_F

ClientSampleId :

W-18

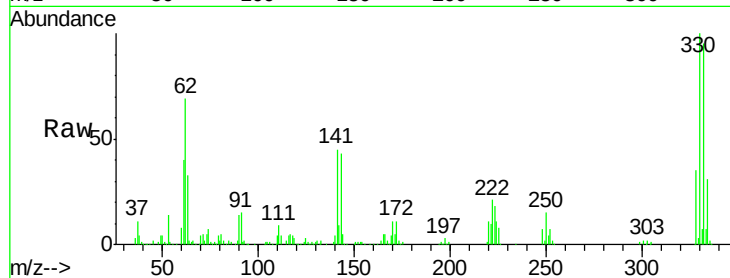
Tgt Ion:248 Resp: 26112

Ion Ratio Lower Upper

248 100

250 199.2 76.9 115.3#

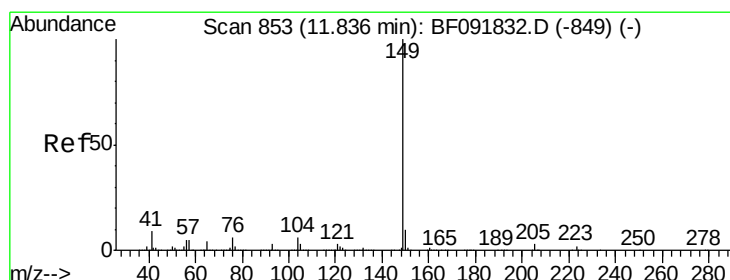
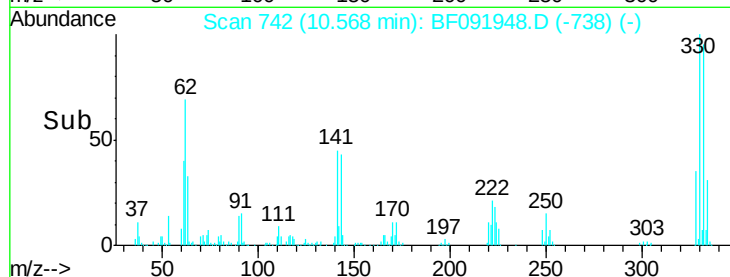
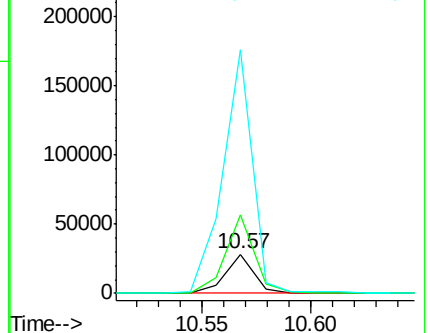
141 619.3 68.2 102.4#



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



#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.82 min Scan# 852

Delta R.T. -0.01 min

Lab File: BF091948.D

Acq: 24 Dec 2016 3:46

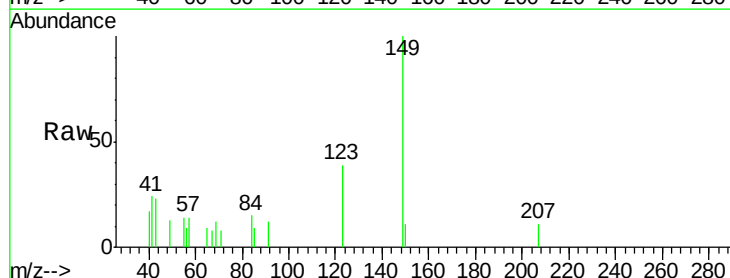
Tgt Ion:149 Resp: 3346

Ion Ratio Lower Upper

149 100

150 10.9 8.1 12.1

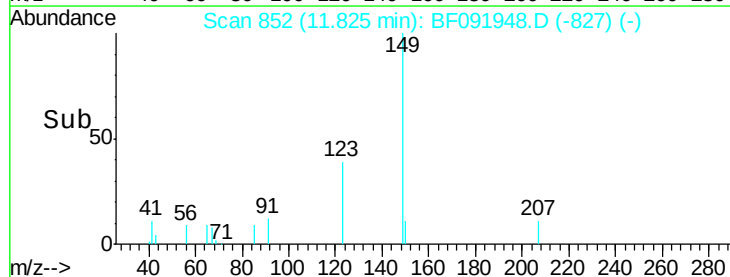
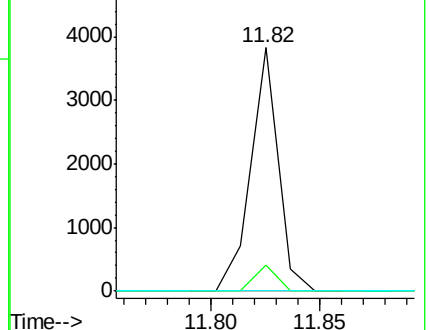
104 0.0 4.6 7.0#

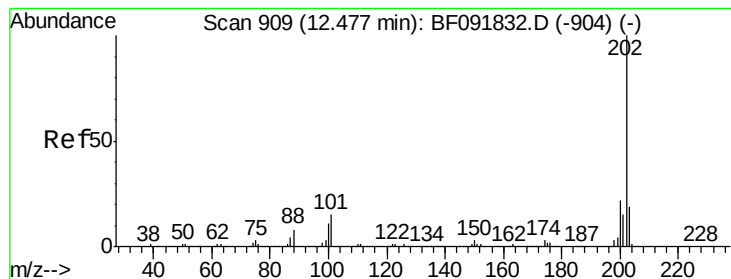


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: Below Cal

RT: 12.46 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF091948.D

Acq: 24 Dec 2016 3:46

Instrument :

BNA_F

ClientSampleId :

W-18

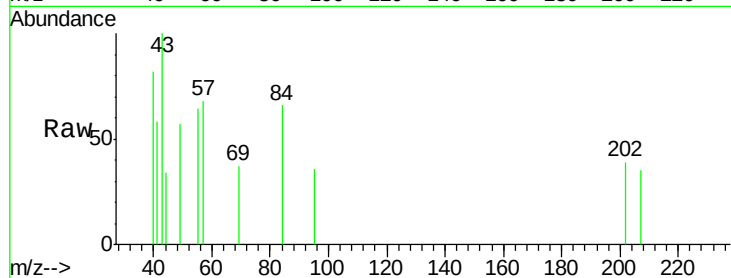
Tgt Ion: 202 Resp: 236

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

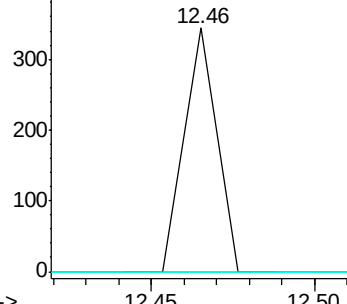
203 0.0 0.0 38.7



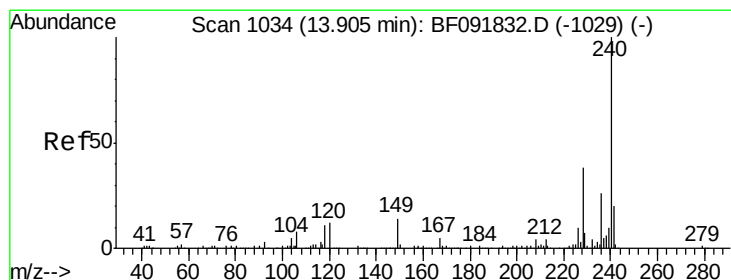
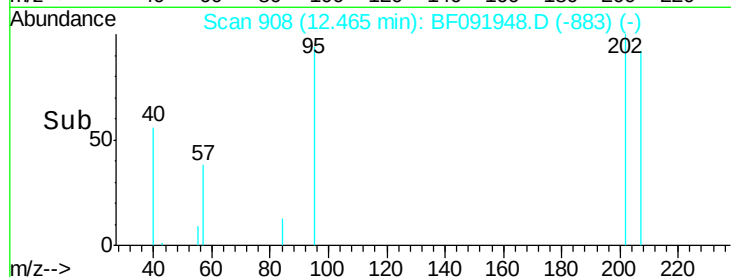
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF091948.D

Acq: 24 Dec 2016 3:46

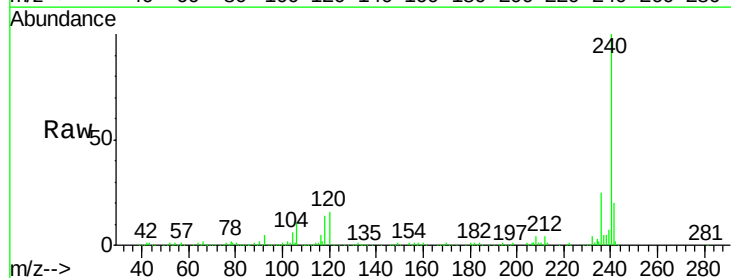
Tgt Ion: 240 Resp: 396999

Ion Ratio Lower Upper

240 100

120 15.7 12.9 19.3

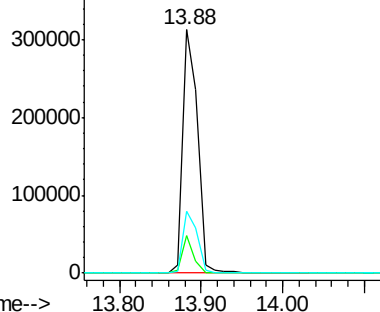
236 25.4 20.9 31.3



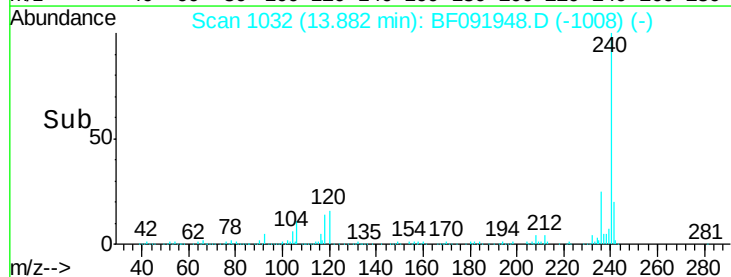
Abundance Ion 240.00 (239.70 to 240.70): E

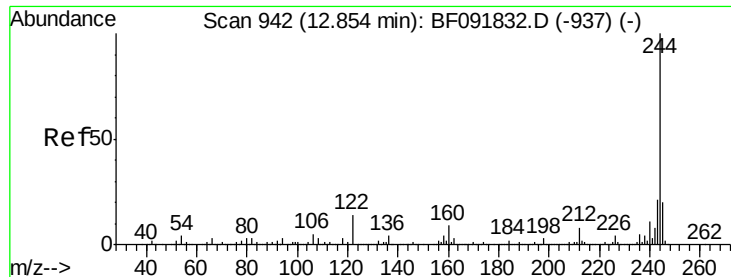
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#78

Terphenyl-d14

Concen: 91.41 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF091948.D

Acq: 24 Dec 2016 3:46

Instrument :

BNA_F

ClientSampleId :

W-18

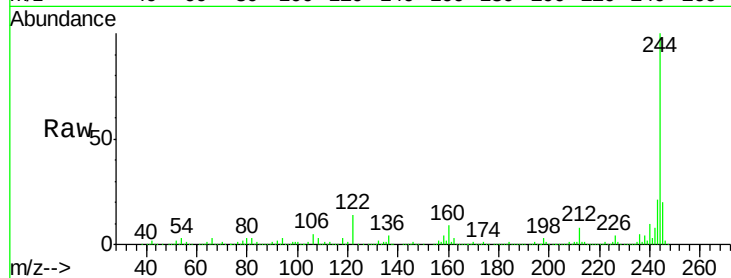
Tgt Ion:244 Resp: 1496273

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

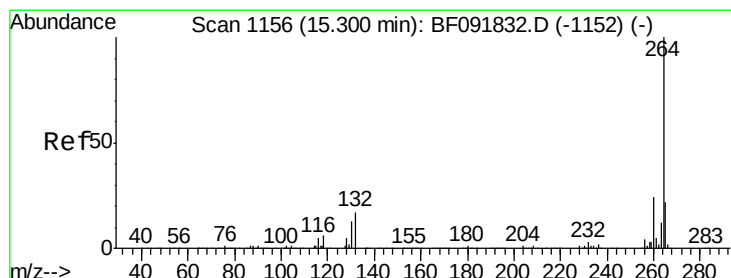
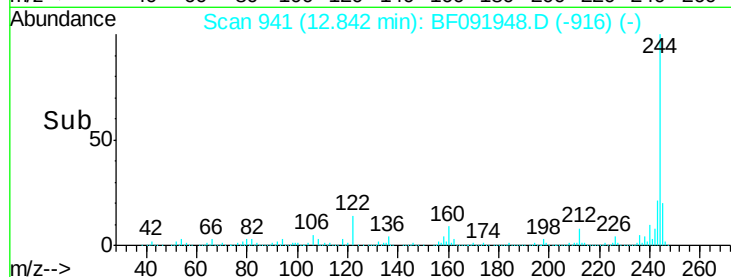
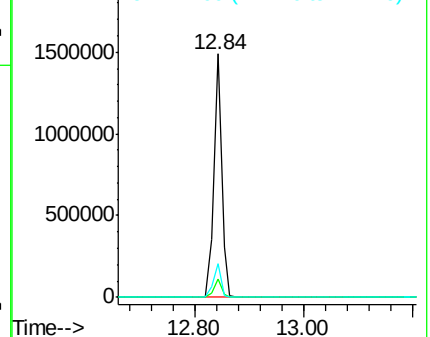
122 13.7 11.4 17.2



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.29 min Scan# 1155

Delta R.T. -0.01 min

Lab File: BF091948.D

Acq: 24 Dec 2016 3:46

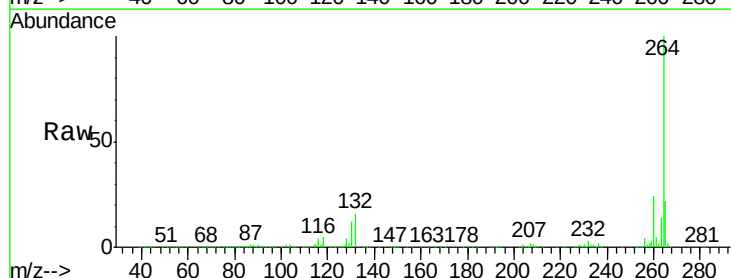
Tgt Ion:264 Resp: 375815

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 22.4 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

