

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
 Data File : BF115944.D
 Acq On : 2 Aug 2019 14:02
 Operator : HP/JU
 Sample : K4045-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW8-20190726

Quant Time: Aug 02 16:45:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

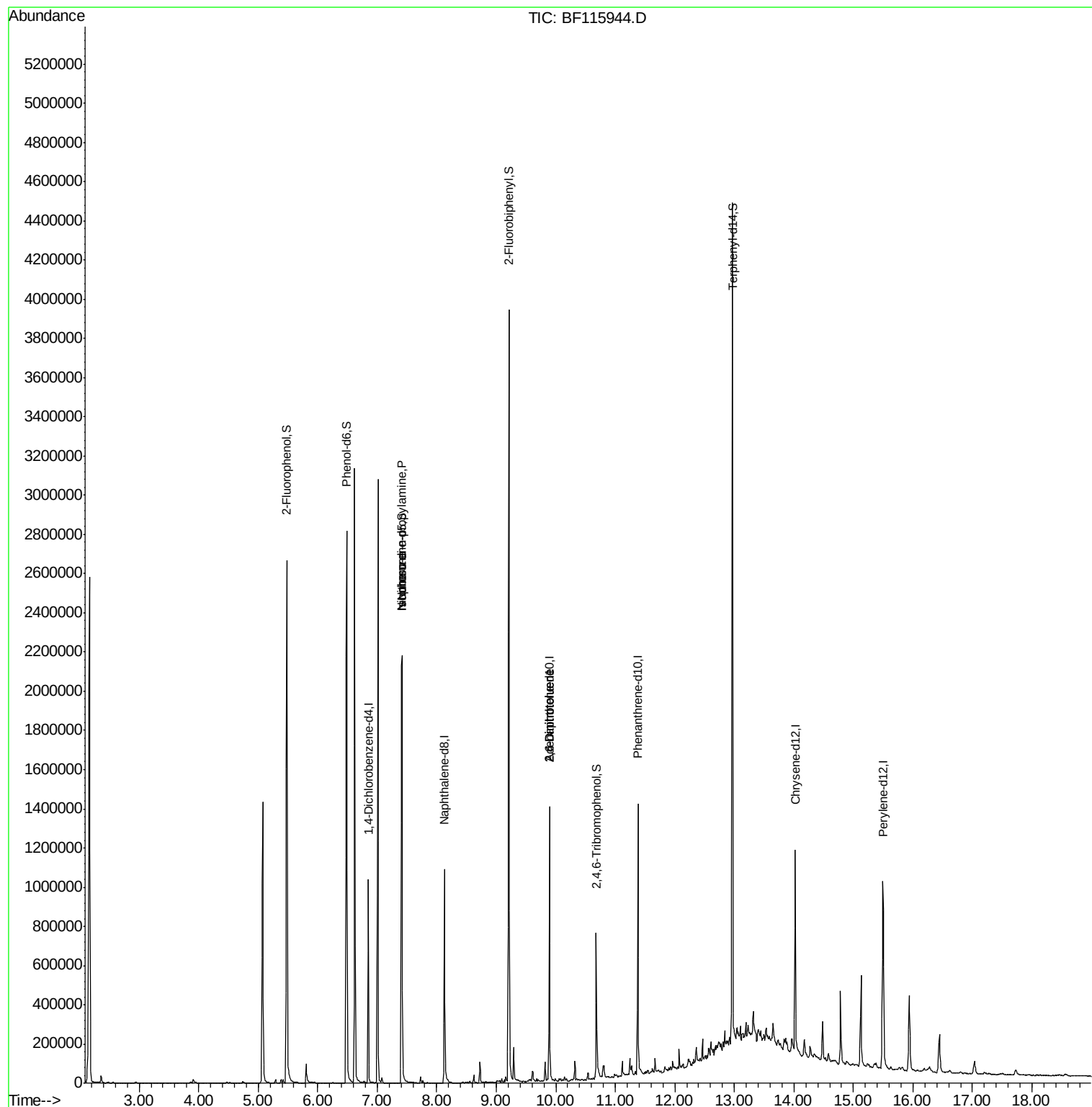
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	143680	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	555515	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	293871	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	514347	20.00	ng	0.00
76) Chrysene-d12	14.02	240	343884	20.00	ng	0.00
87) Perylene-d12	15.49	264	352951	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	806961	94.02	ng	0.01
7) Phenol-d6	6.49	99	1044515	96.46	ng	0.00
23) Nitrobenzene-d5	7.42	82	874581	90.88	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	113906	39.98	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1475793	94.06	ng	0.00
79) Terphenyl-d14	12.97	244	1630910	99.93	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	116940	17.427	ng	# 79
25) Isophorone	7.42	82	864482	46.977	ng	# 66
51) 2,6-Dinitrotoluene	9.89	165	37264	8.570	ng	# 28
57) 2,4-Dinitrotoluene	9.89	165	37376	6.456	ng	# 25

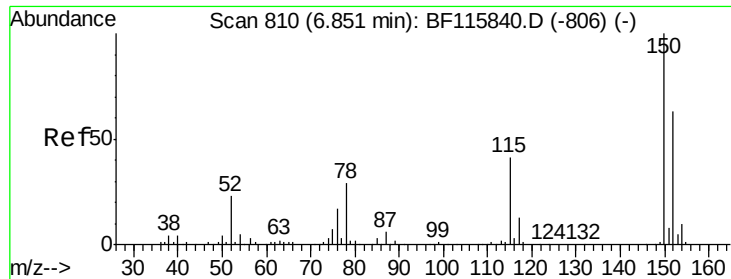
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF115944.D

Acq: 2 Aug 2019 14:02

Instrument :

BNA_F

ClientSampleId :

GW8-20190726

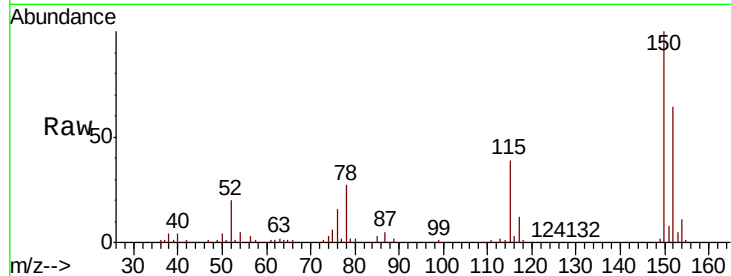
Tot Ion:152 Resp: 143680

Ion Ratio Lower Upper

152 100

150 155.2 127.4 191.0

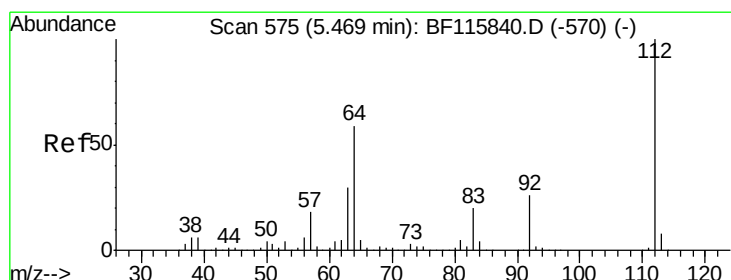
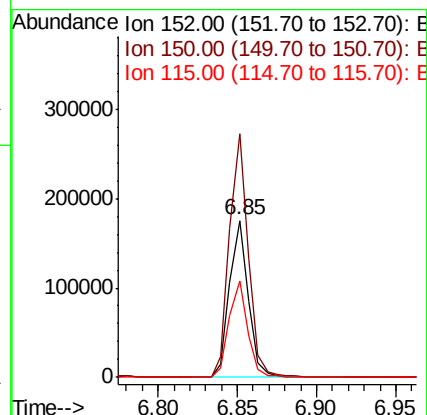
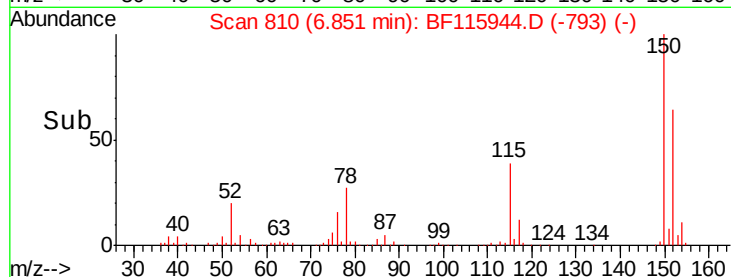
115 61.2 51.8 77.8



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: 94.022 ng

RT: 5.48 min Scan# 577

Delta R.T. 0.01 min

Lab File: BF115944.D

Acq: 2 Aug 2019 14:02

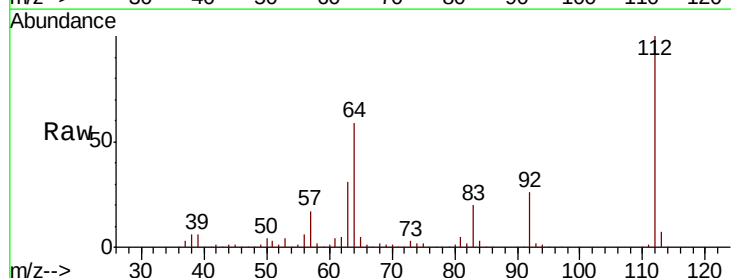
Tgt Ion:112 Resp: 806961

Ion Ratio Lower Upper

112 100

64 58.5 46.8 70.2

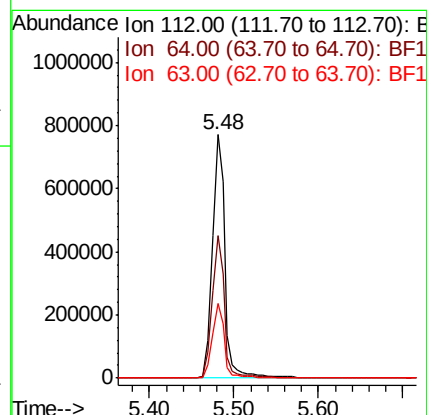
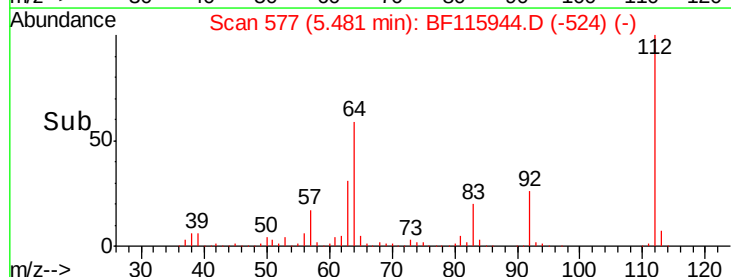
63 30.8 24.2 36.2

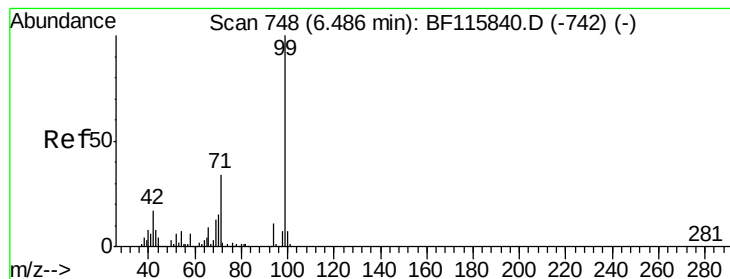


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 96.459 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF115944.D

Acq: 2 Aug 2019 14:02

Instrument :

BNA_F

ClientSampleId :

GW8-20190726

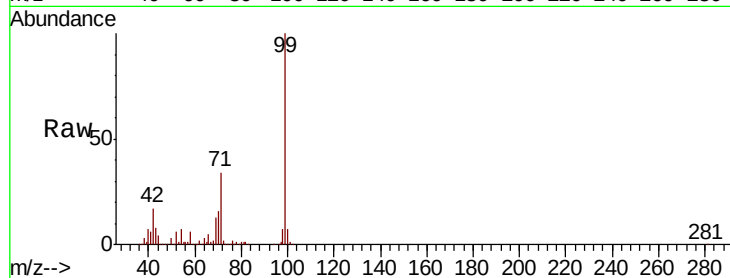
Tot Ion: 99 Resp: 1044515

Ion Ratio Lower Upper

99 100

42 17.0 13.8 20.6

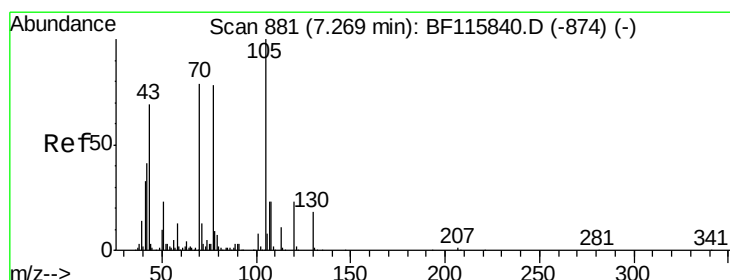
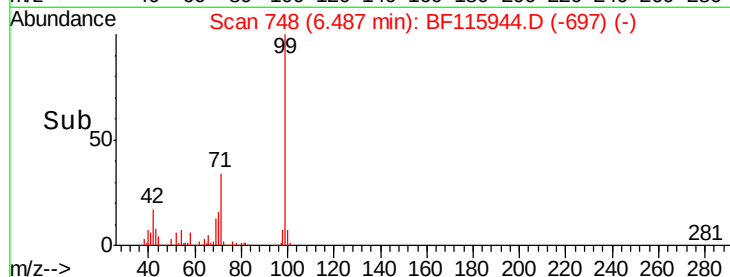
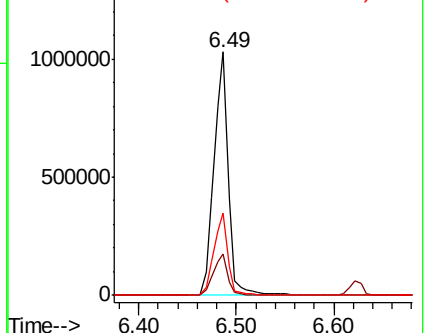
71 33.7 27.1 40.7



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 17.427 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF115944.D

Acq: 2 Aug 2019 14:02

Tgt Ion: 70 Resp: 116940

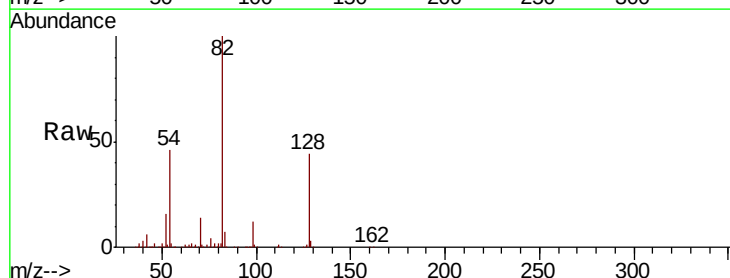
Ion Ratio Lower Upper

70 100

42 44.5 41.8 62.8

101 0.0 7.7 11.5#

130 2.3 17.8 26.6#

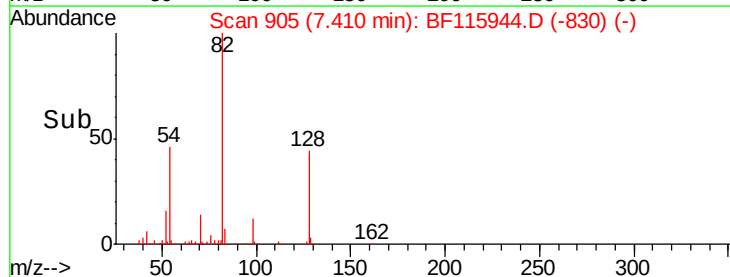
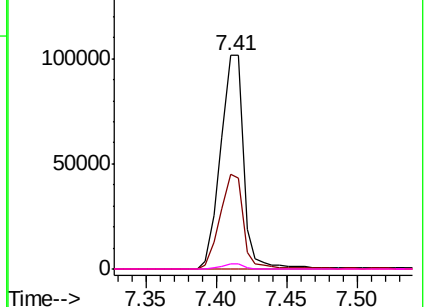


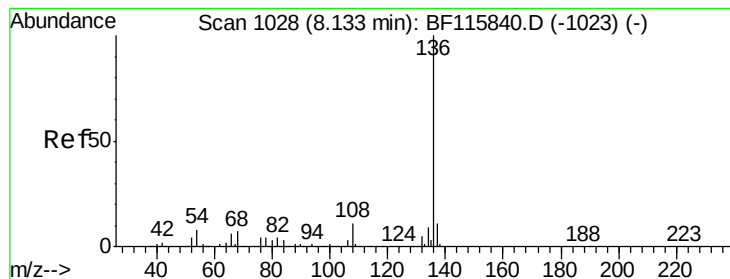
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF115944.D

Acq: 2 Aug 2019 14:02

Instrument :

BNA_F

ClientSampleId :

GW8-20190726

Tot Ion:136 Resp: 555515

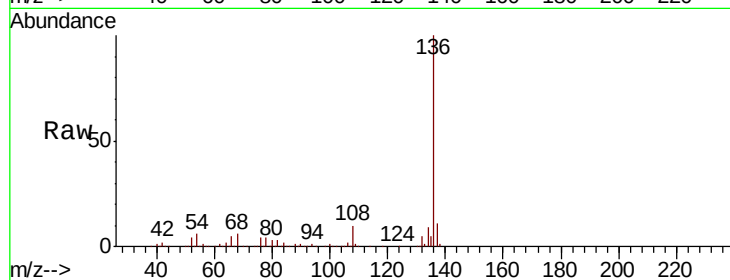
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.5 6.1 9.1

68 5.7 5.4 8.2

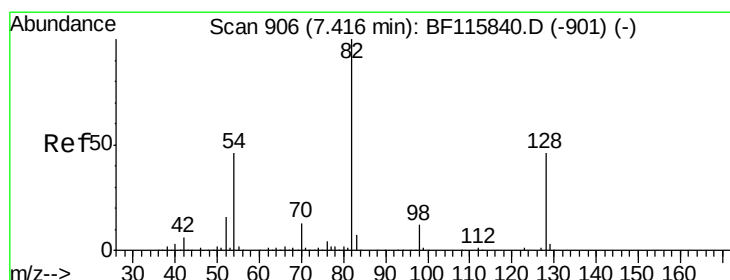
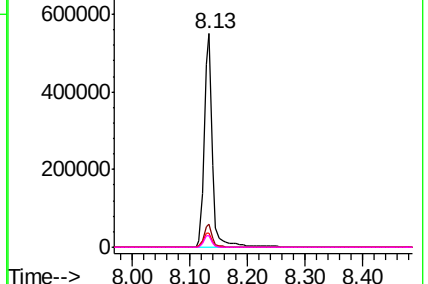
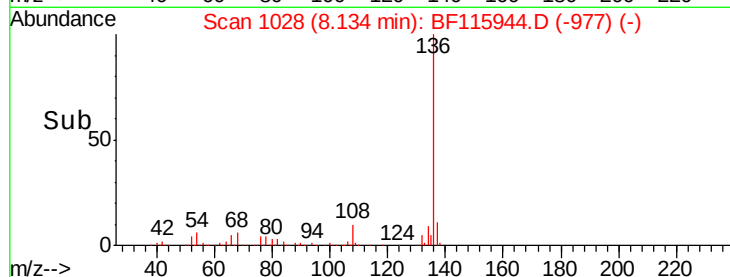


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 90.877 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.00 min

Lab File: BF115944.D

Acq: 2 Aug 2019 14:02

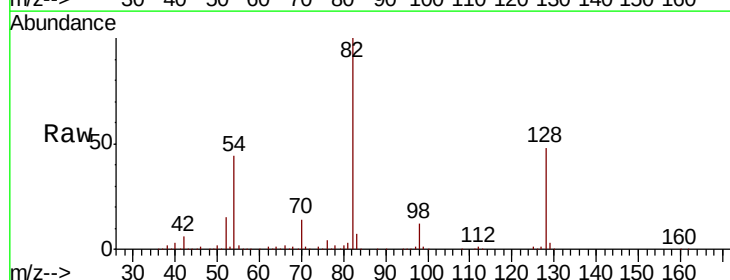
Tgt Ion: 82 Resp: 874581

Ion Ratio Lower Upper

82 100

128 47.9 36.6 55.0

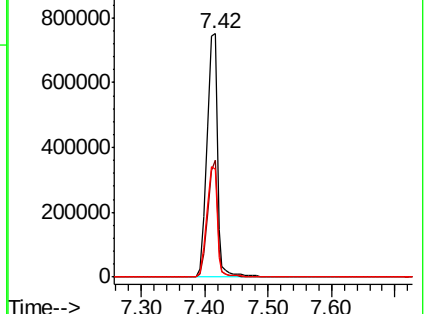
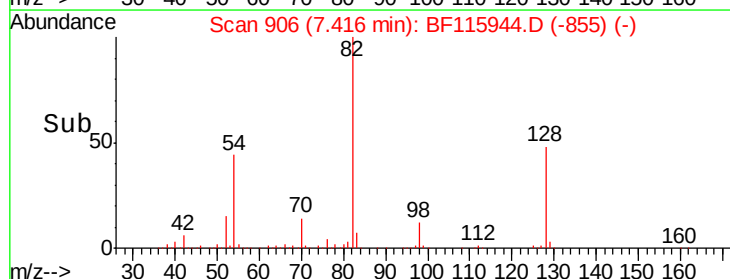
54 44.4 36.6 55.0

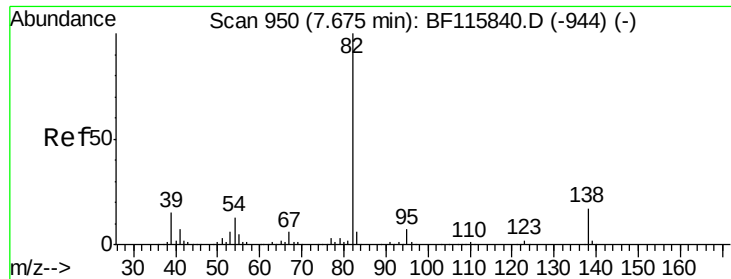


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 46.977 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF115944.D

Acq: 2 Aug 2019 14:02

Instrument :

BNA_F

ClientSampleId :

GW8-20190726

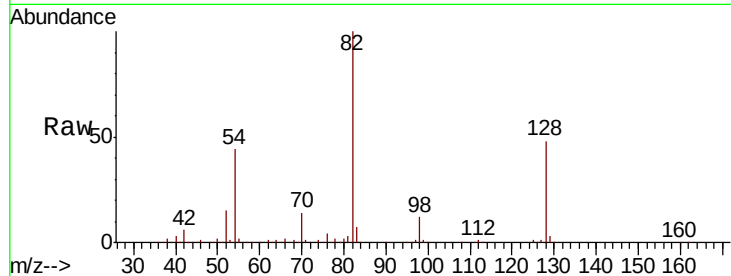
Tot Ion: 82 Resp: 864482

Ion Ratio Lower Upper

82 100

95 0.3 5.5 8.3#

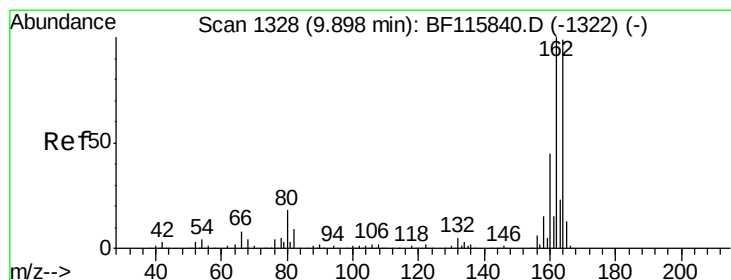
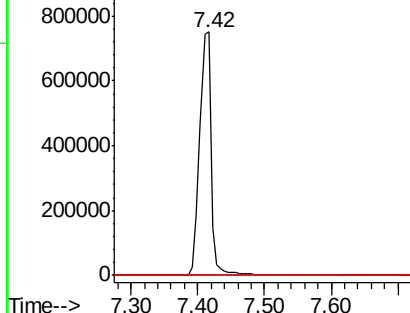
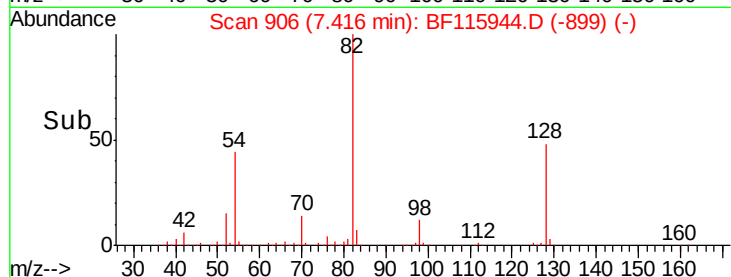
138 0.0 13.9 20.9#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF115944.D

Acq: 2 Aug 2019 14:02

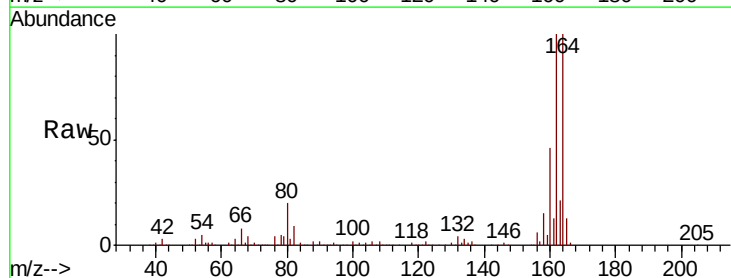
Tgt Ion:164 Resp: 293871

Ion Ratio Lower Upper

164 100

162 100.4 80.8 121.2

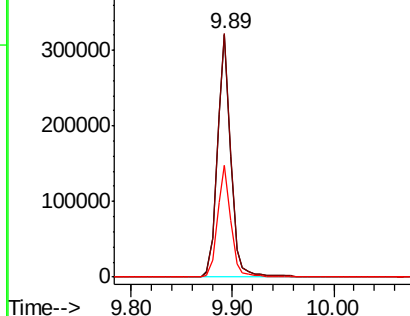
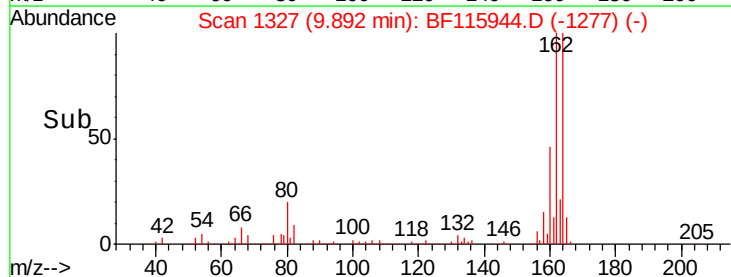
160 46.3 36.2 54.4

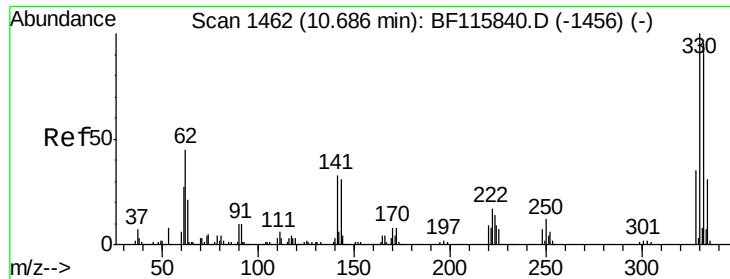


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 39.979 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF115944.D

Acq: 2 Aug 2019 14:02

Instrument :

BNA_F

ClientSampleId :

GW8-20190726

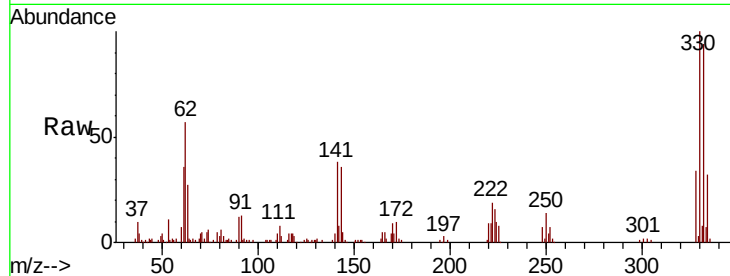
Tot Ion:330 Resp: 113906

Ion Ratio Lower Upper

330 100

332 94.5 77.7 116.5

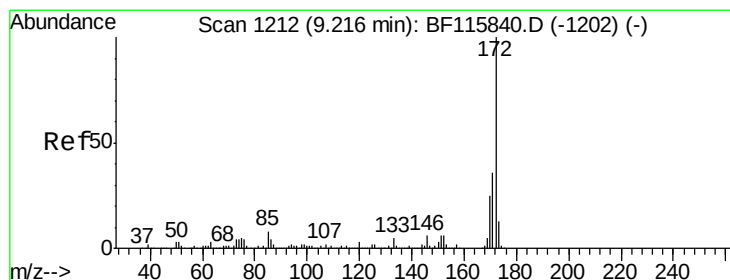
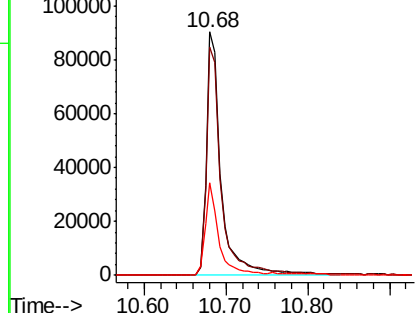
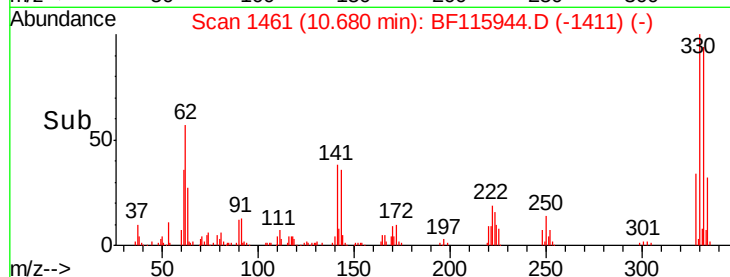
141 35.6 28.1 42.1



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



#45

2-Fluorobiphenyl

Concen: 94.064 ng

RT: 9.22 min Scan# 1212

Delta R.T. 0.00 min

Lab File: BF115944.D

Acq: 2 Aug 2019 14:02

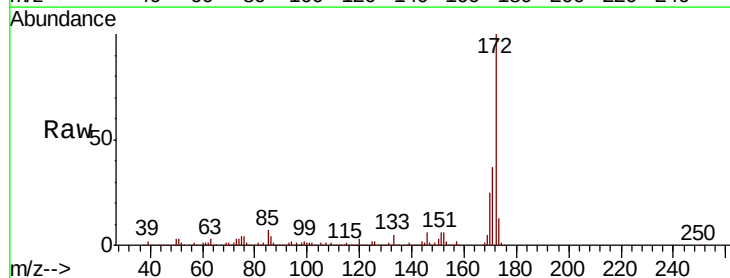
Tgt Ion:172 Resp: 1475793

Ion Ratio Lower Upper

172 100

171 36.6 29.1 43.7

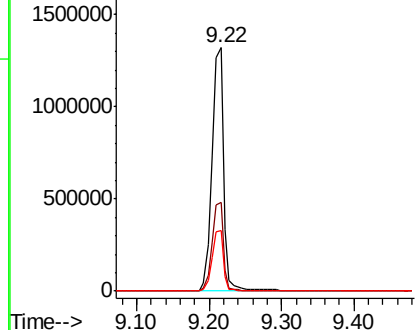
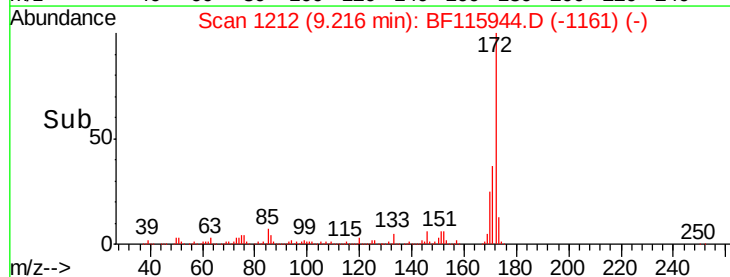
170 25.1 20.1 30.1

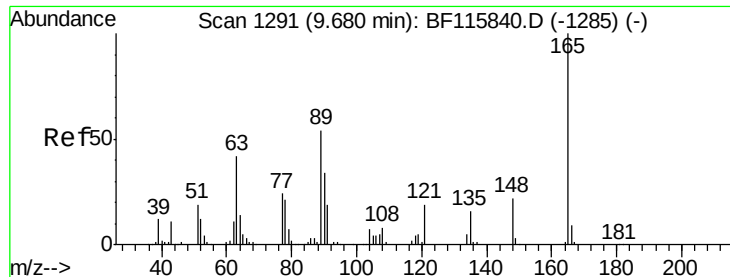


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 8.570 ng

RT: 9.89 min Scan# 1327

Delta R.T. 0.21 min

Lab File: BF115944.D

Acq: 2 Aug 2019 14:02

Instrument :

BNA_F

ClientSampleId :

GW8-20190726

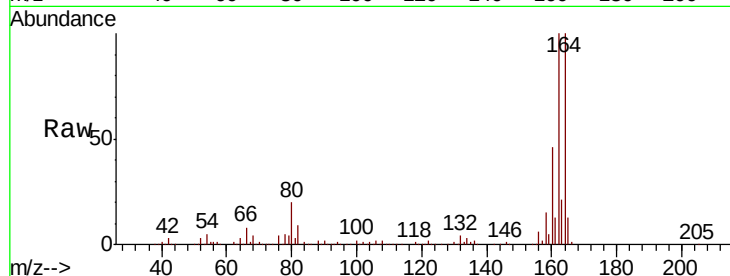
Tot Ion:165 Resp: 37264

Ion Ratio Lower Upper

165 100

63 1.0 39.4 59.2#

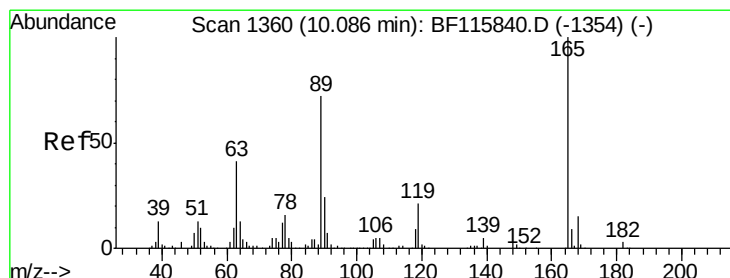
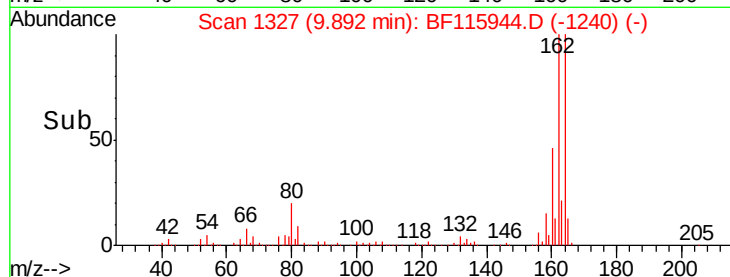
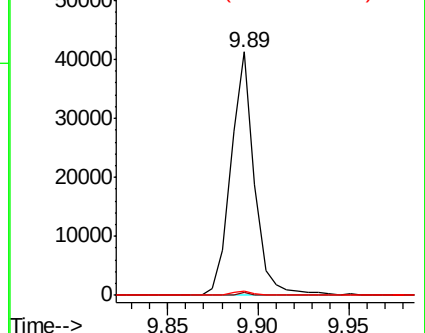
89 1.6 43.0 64.6#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57

2,4-Dinitrotoluene

Concen: 6.456 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.19 min

Lab File: BF115944.D

Acq: 2 Aug 2019 14:02

Tgt Ion:165 Resp: 37376

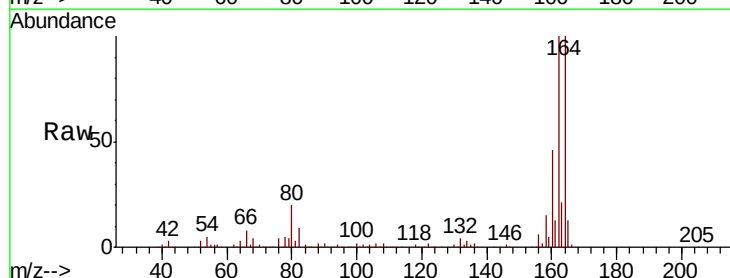
Ion Ratio Lower Upper

165 100

63 1.0 33.2 49.8#

89 1.6 57.3 85.9#

182 0.0 2.1 3.1#

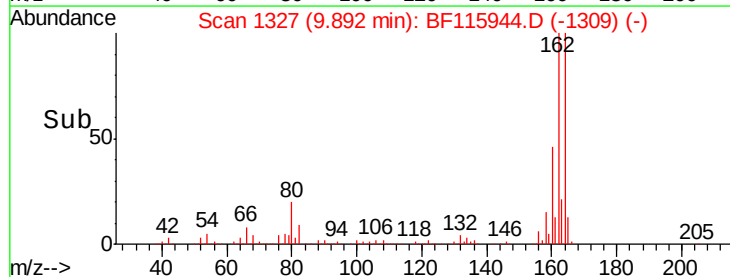
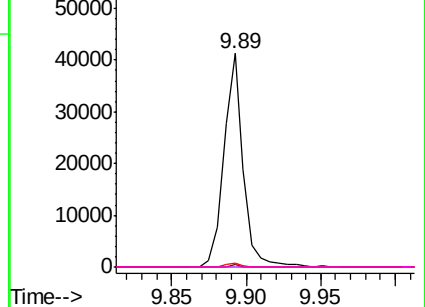


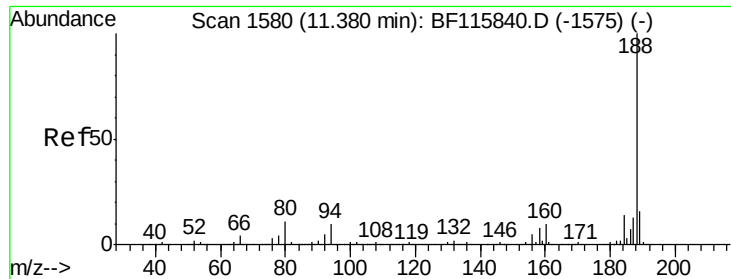
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

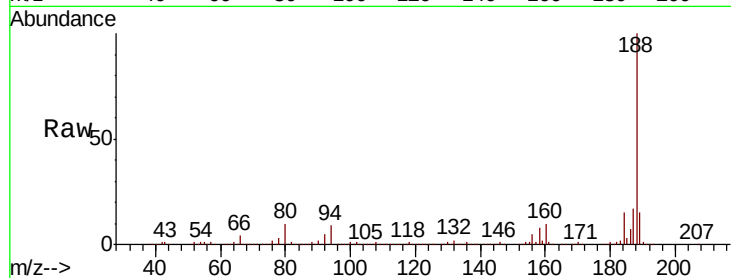




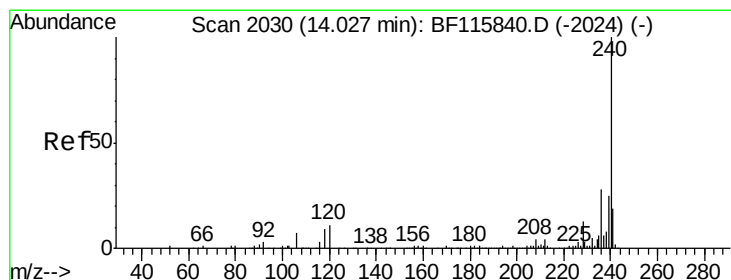
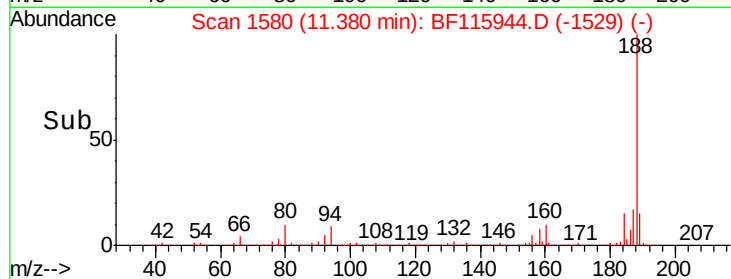
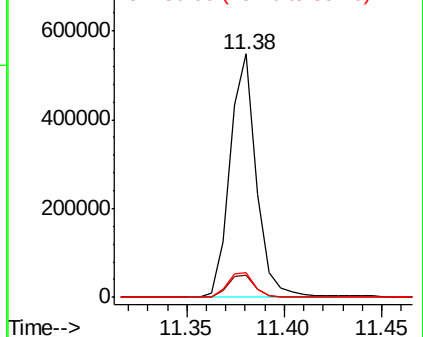
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF115944.D
Acq: 2 Aug 2019 14:02

Instrument :
BNA_F
ClientSampleId :
GW8-20190726

Tot Ion:188 Resp: 514347
Ion Ratio Lower Upper
188 100
94 9.1 8.0 12.0
80 10.1 8.6 12.8

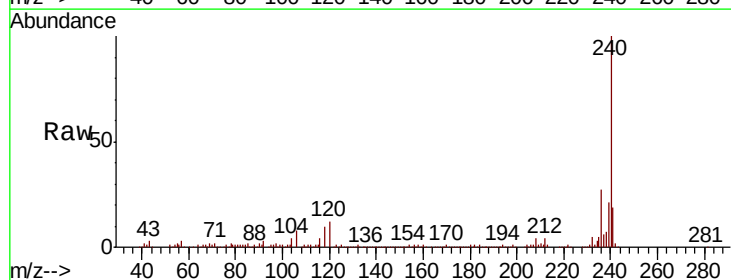


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

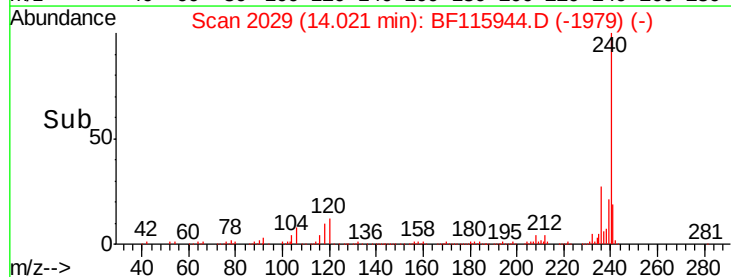
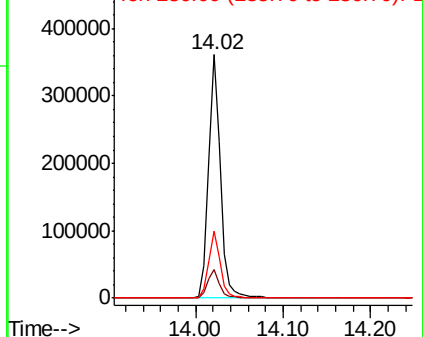


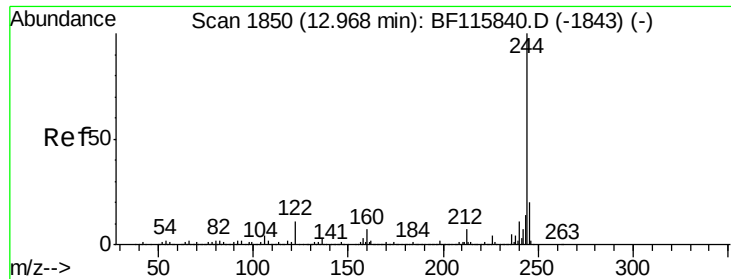
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF115944.D
Acq: 2 Aug 2019 14:02

Tgt Ion:240 Resp: 343884
Ion Ratio Lower Upper
240 100
120 11.8 8.5 12.7
236 27.3 22.2 33.2



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





#79

Terphenyl-d14

Concen: 99.935 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.00 min

Lab File: BF115944.D

Acq: 2 Aug 2019 14:02

Instrument :

BNA_F

ClientSampleId :

GW8-20190726

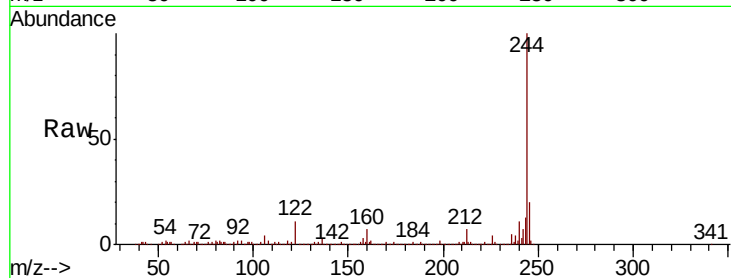
Tot Ion:244 Resp: 1630910

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

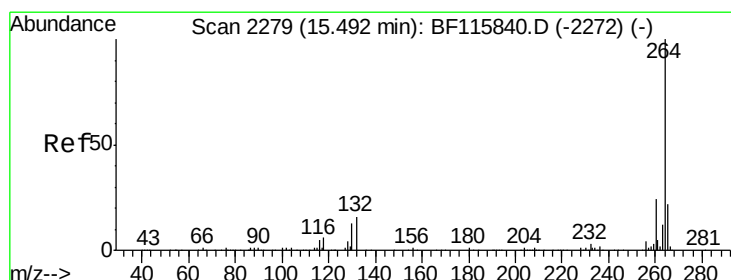
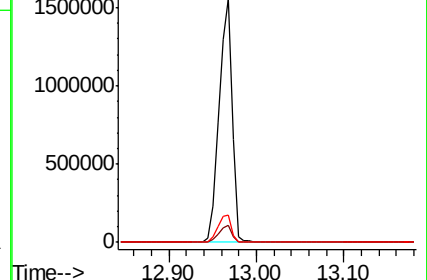
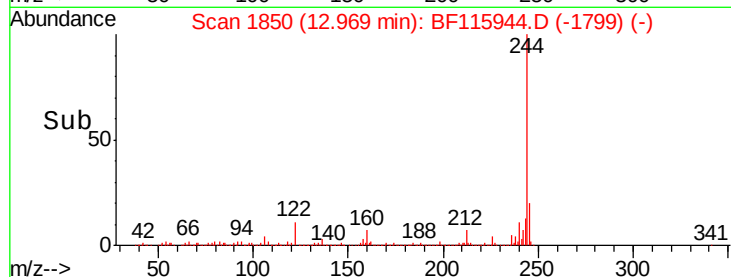
122 11.1 8.6 13.0



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. 0.00 min

Lab File: BF115944.D

Acq: 2 Aug 2019 14:02

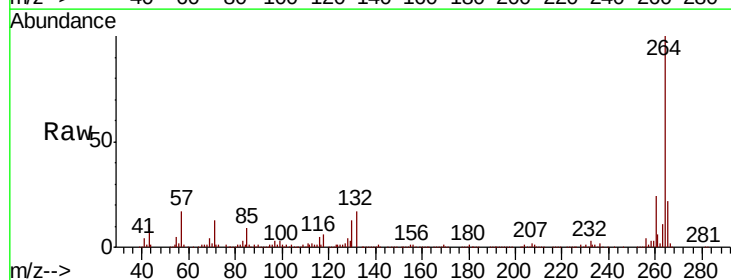
Tgt Ion:264 Resp: 352951

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.2

265 21.8 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

