

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081519\
 Data File : BF116302.D
 Acq On : 16 Aug 2019 2:07
 Operator : HP/JU
 Sample : K4321-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 16 03:14:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

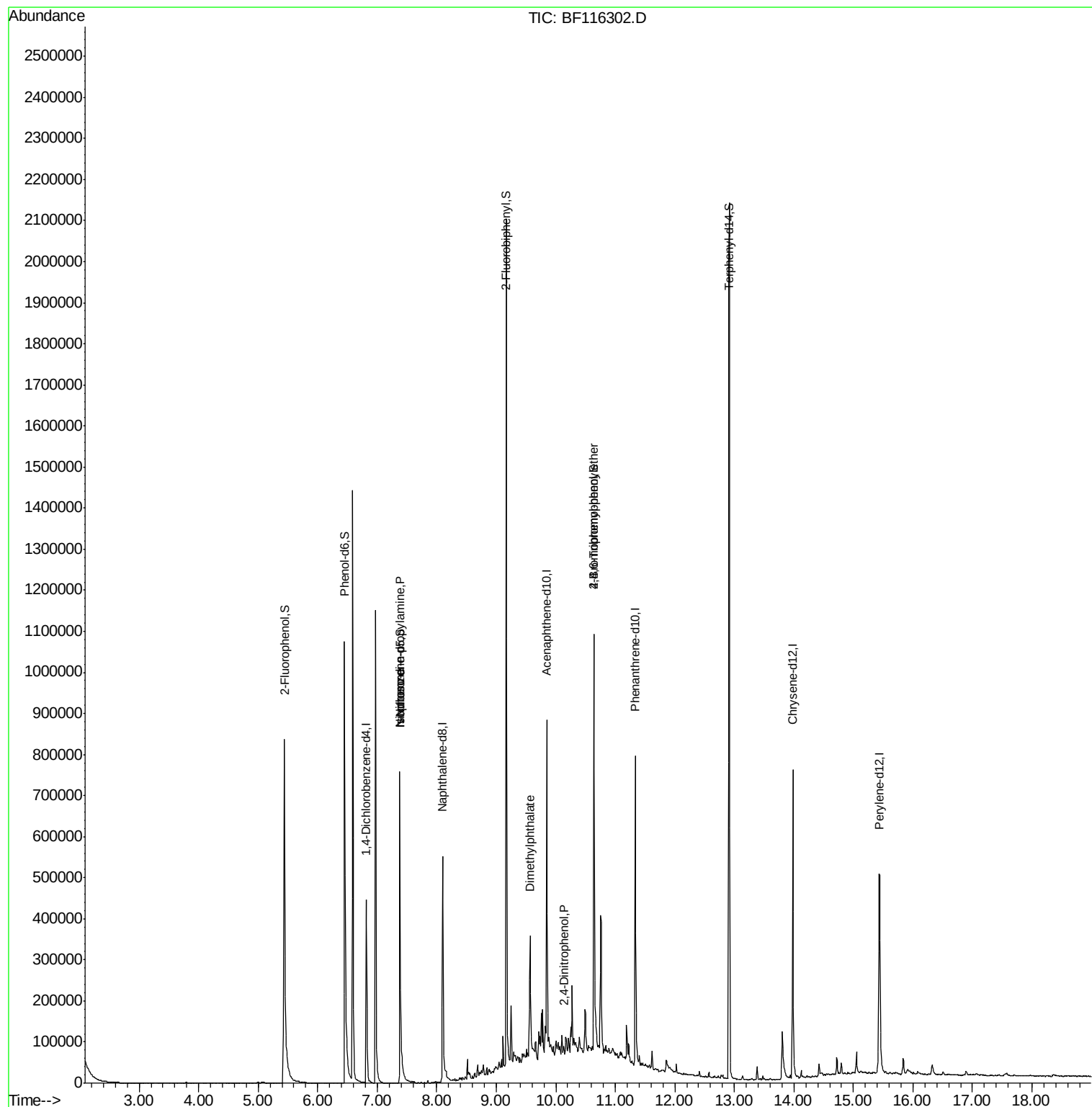
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	79032	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	316386	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	172194	20.00	ng	-0.04
64) Phenanthrene-d10	11.33	188	316140	20.00	ng	-0.04
76) Chrysene-d12	13.98	240	291846	20.00	ng	-0.03
87) Perylene-d12	15.44	264	288386	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	398509	84.41	ng	-0.03
7) Phenol-d6	6.46	99	532630	89.42	ng	-0.03
23) Nitrobenzene-d5	7.38	82	329065	60.04	ng	-0.04
42) 2,4,6-Tribromophenol	10.64	330	142057	85.09	ng	-0.04
45) 2-Fluorobiphenyl	9.17	172	628055	68.32	ng	-0.04
79) Terphenyl-d14	12.92	244	757762	54.71	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	41430	11.225	ng	# 79
25) Isophorone	7.38	82	329063	31.397	ng	# 65
50) Dimethylphthalate	9.57	163	62267	5.311	ng	99
54) 2,4-Dinitrophenol	10.15	184	107	7.887	ng	# 18
67) 4-Bromophenyl-phenylether	10.64	248	8577	2.534	ng	# 1

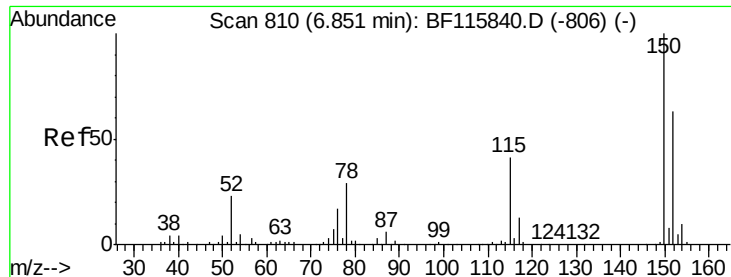
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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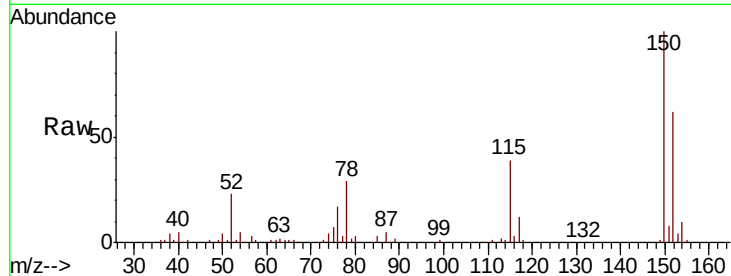


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.03 min
Lab File: BF116302.D
Acq: 16 Aug 2019 2:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	126.2	189.2
115	62.7	49.9	74.9

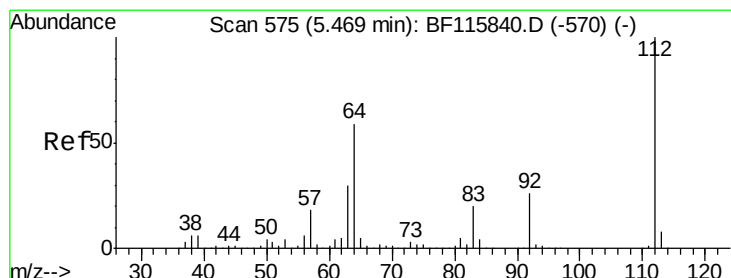
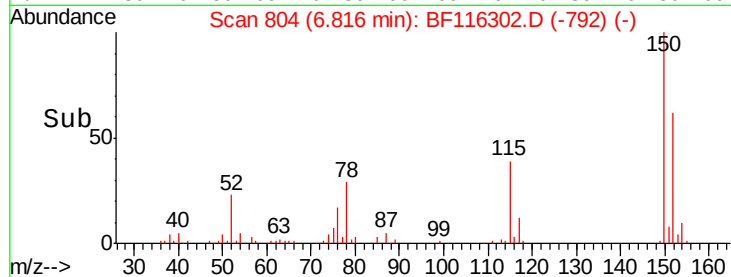
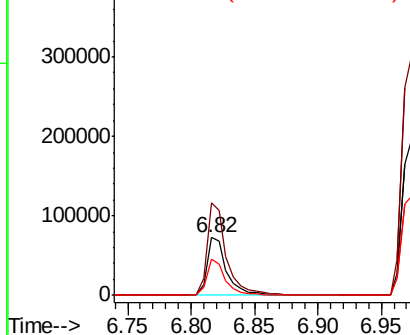


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

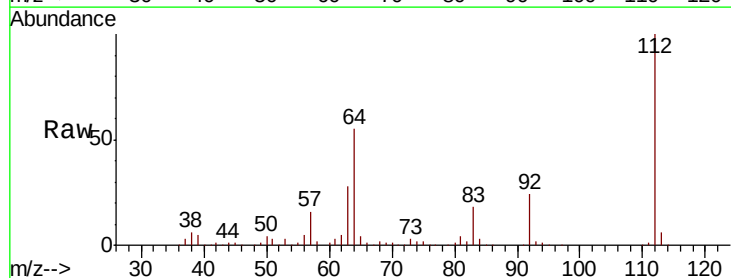
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 84.412 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.03 min
Lab File: BF116302.D
Acq: 16 Aug 2019 2:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	45.4	68.2
63	28.4	23.7	35.5

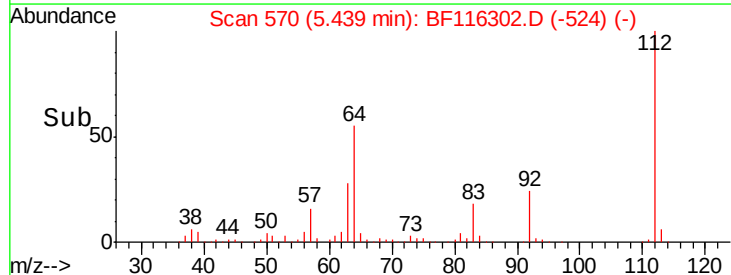
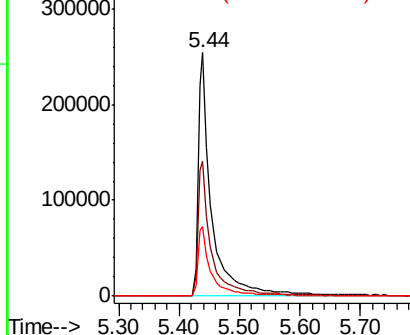


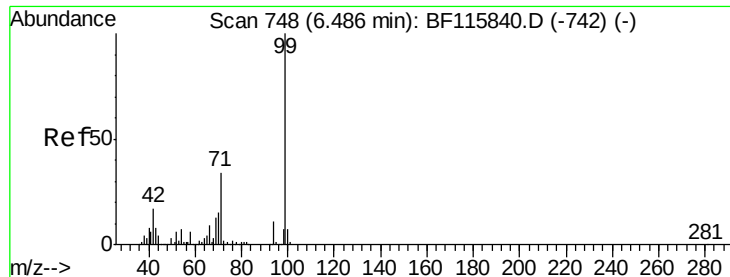
Abundance

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: 89.422 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.03 min

Lab File: BF116302.D

Acq: 16 Aug 2019 2:07

Instrument :

BNA_F

ClientSampled :

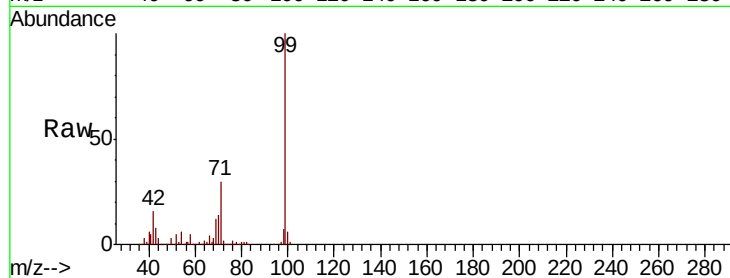
Tot Ion: 99 Resp: 532630

Ion Ratio Lower Upper

99 100

42 15.7 13.8 20.8

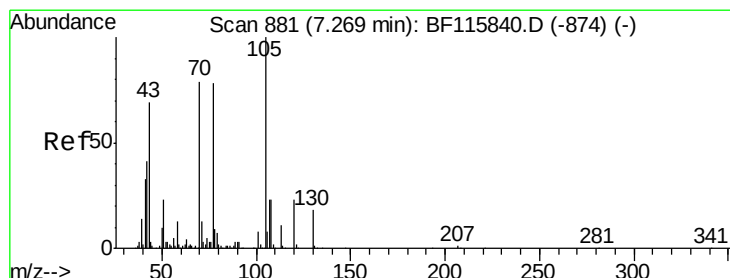
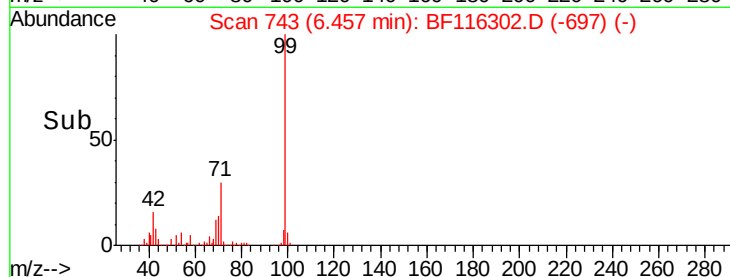
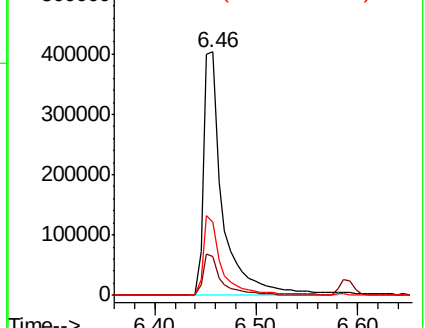
71 30.0 27.3 40.9



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: 11.225 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.11 min

Lab File: BF116302.D

Acq: 16 Aug 2019 2:07

Tgt Ion: 70 Resp: 41430

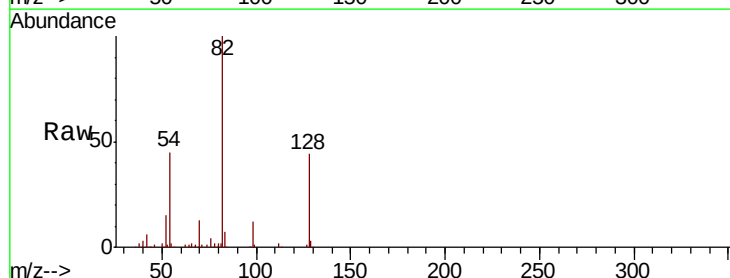
Ion Ratio Lower Upper

70 100

42 43.1 40.9 61.3

101 0.0 7.9 11.9#

130 2.2 16.9 25.3#

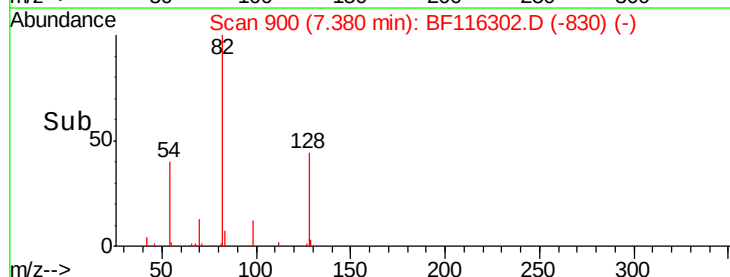
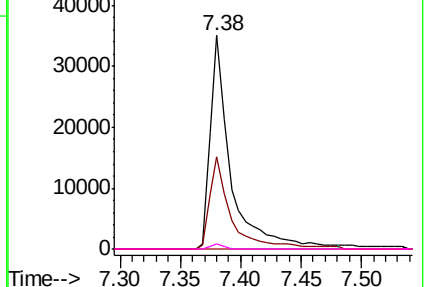


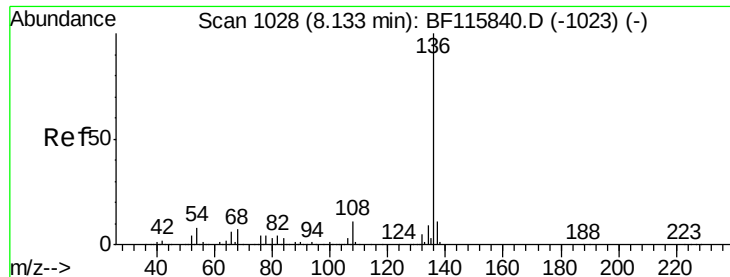
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.10 min Scan# 1022

Delta R.T. -0.03 min

Lab File: BF116302.D

Acq: 16 Aug 2019 2:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 316386

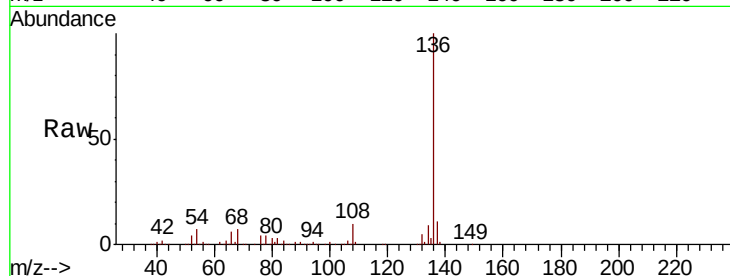
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 7.4 5.8 8.6

68 6.6 5.2 7.8

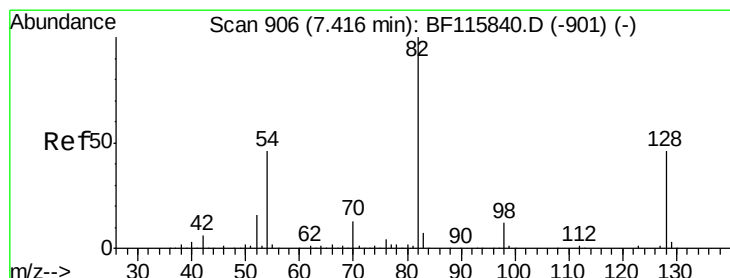
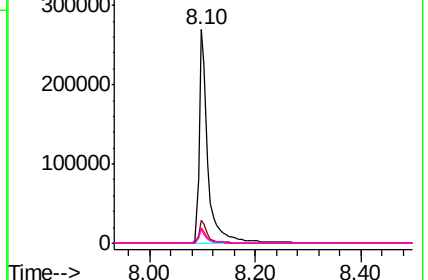
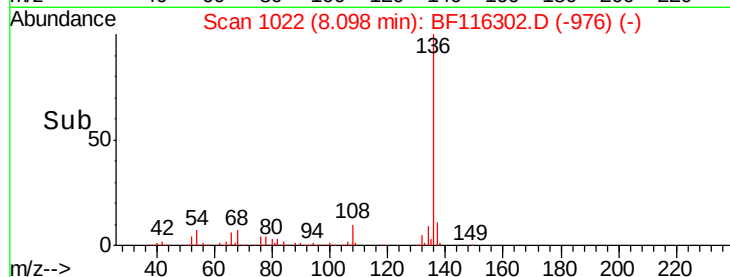


Abundance Ion 136.00 (135.70 to 136.70): E

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: 60.036 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.04 min

Lab File: BF116302.D

Acq: 16 Aug 2019 2:07

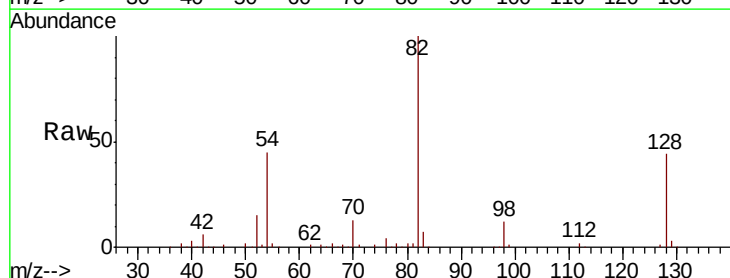
Tgt Ion: 82 Resp: 329065

Ion Ratio Lower Upper

82 100

128 43.7 36.5 54.7

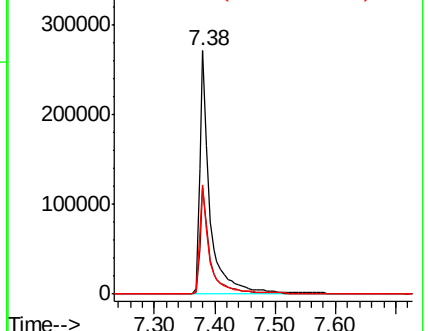
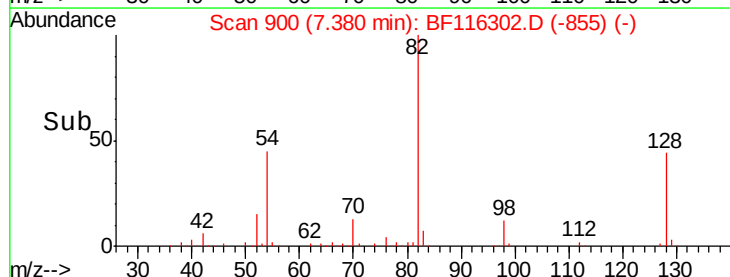
54 44.7 36.0 54.0

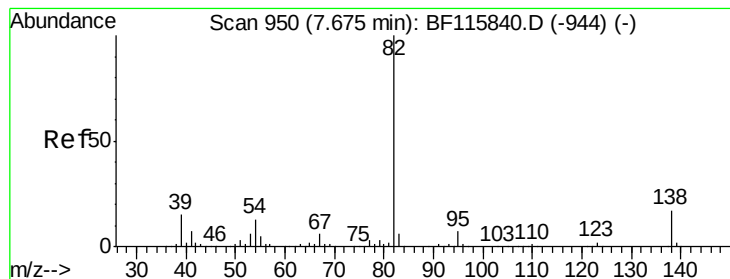


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 31.397 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.29 min

Lab File: BF116302.D

Acq: 16 Aug 2019 2:07

Instrument :

BNA_F

ClientSampleId :

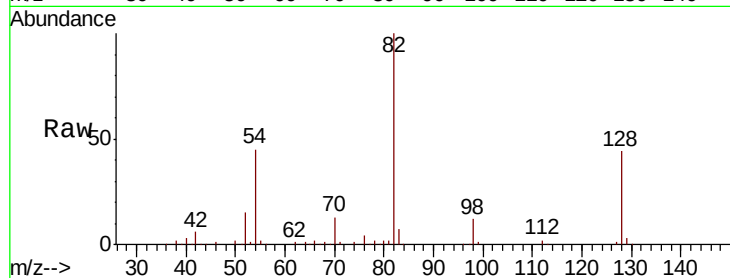
Tot Ion: 82 Resp: 329063

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

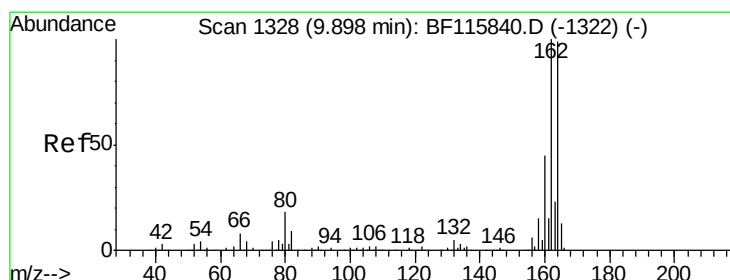
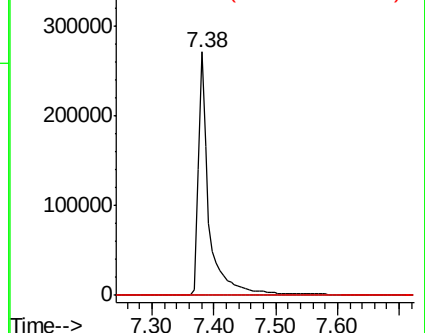
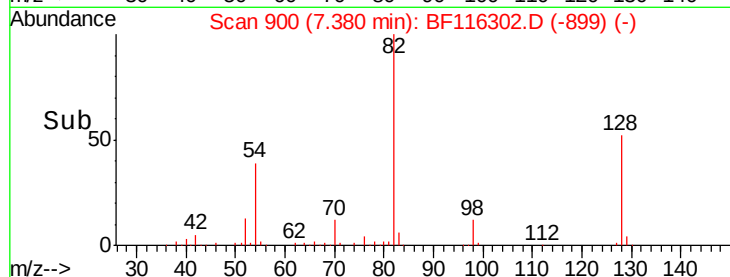
138 0.0 14.5 21.7#



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: 9.85 min Scan# 1320

Delta R.T. -0.04 min

Lab File: BF116302.D

Acq: 16 Aug 2019 2:07

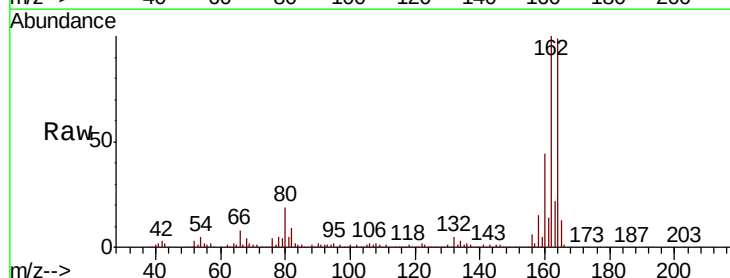
Tgt Ion:164 Resp: 172194

Ion Ratio Lower Upper

164 100

162 101.5 82.6 124.0

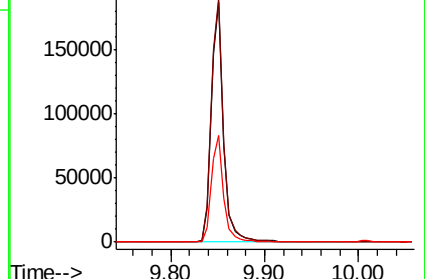
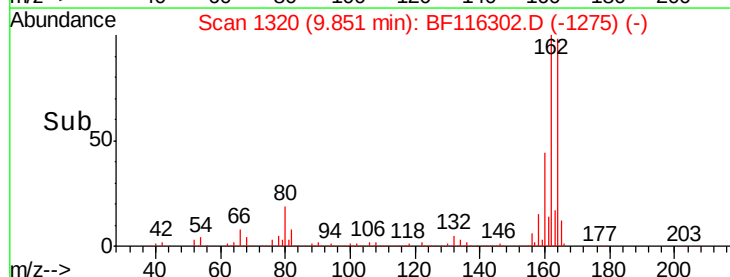
160 44.6 37.6 56.4

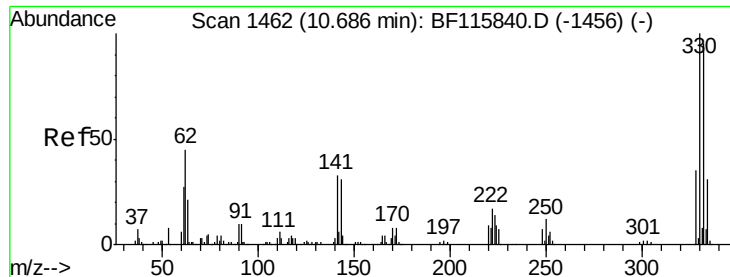


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

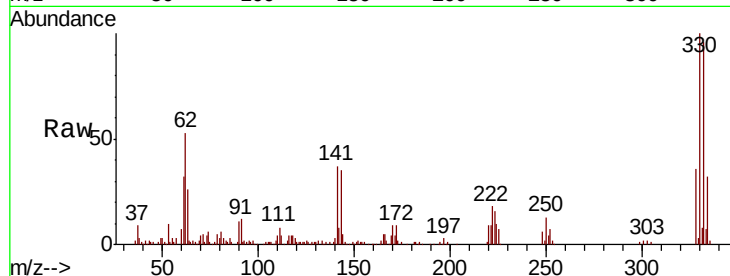




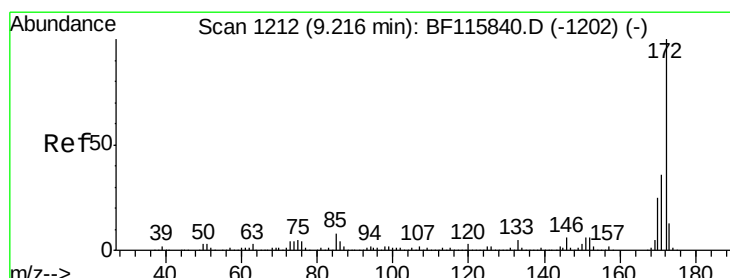
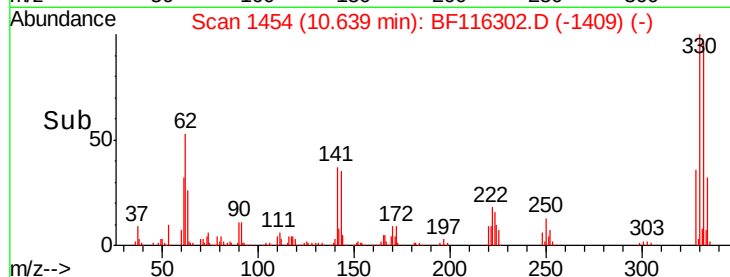
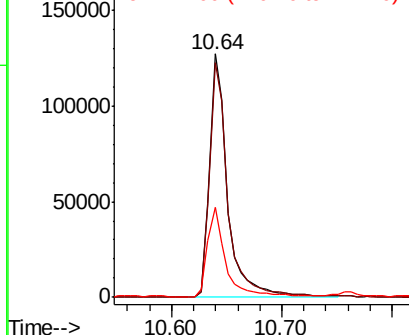
#42
 2,4,6-Tribromophenol
 Concen: 85.091 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.04 min
 Lab File: BF116302.D
 Acq: 16 Aug 2019 2:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.2	76.8	115.2
141	35.4	26.3	39.5

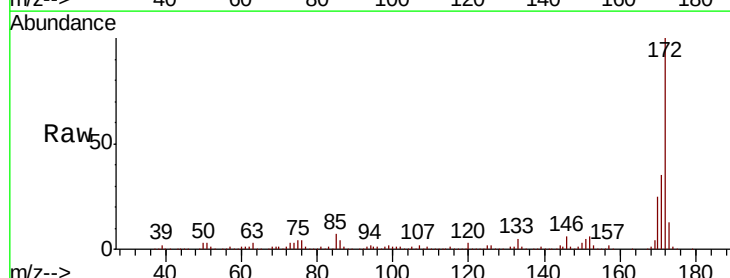


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

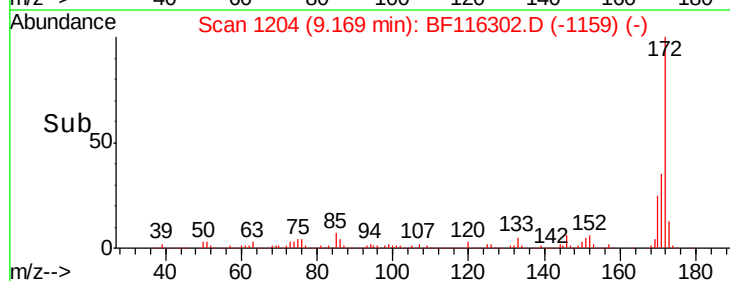
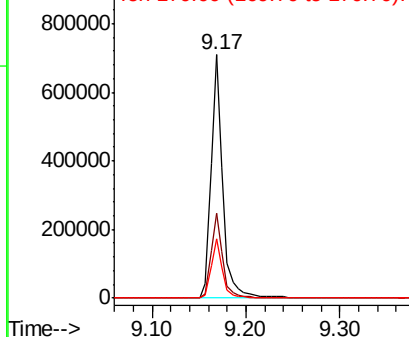


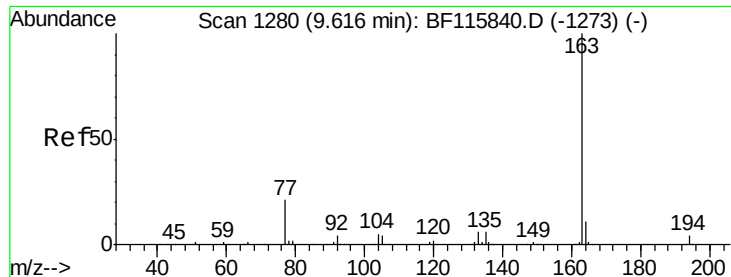
#45
 2-Fluorobiphenyl
 Concen: 68.318 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.04 min
 Lab File: BF116302.D
 Acq: 16 Aug 2019 2:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.6	44.4
170	24.6	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





#50

Dimethylphthalate

Concen: 5.311 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.04 min

Lab File: BF116302.D

Acq: 16 Aug 2019 2:07

Instrument :

BNA_F

ClientSampleId :

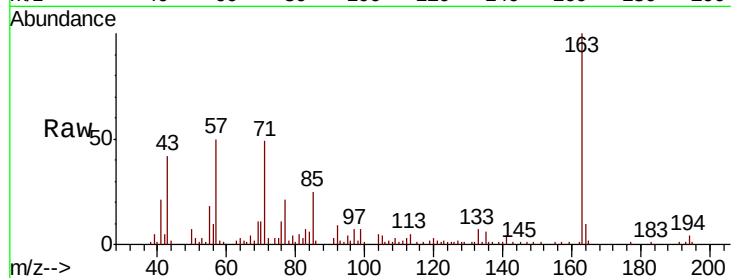
Tot Ion:163 Resp: 62267

Ion Ratio Lower Upper

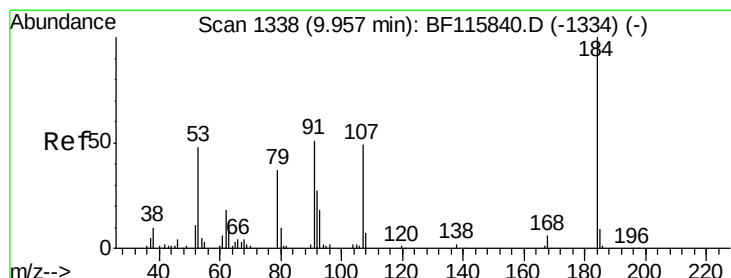
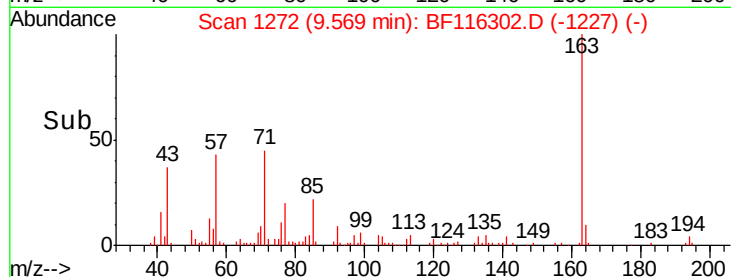
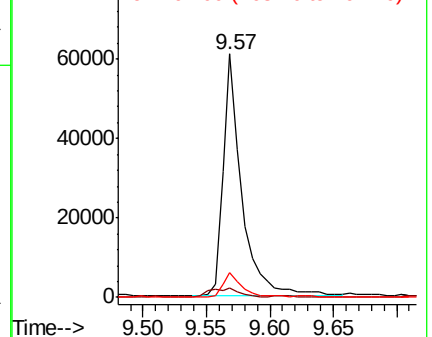
163 100

194 3.8 3.0 4.6

164 10.0 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#54

2,4-Dinitrophenol

Concen: 7.887 ng

RT: 10.15 min Scan# 1370

Delta R.T. 0.19 min

Lab File: BF116302.D

Acq: 16 Aug 2019 2:07

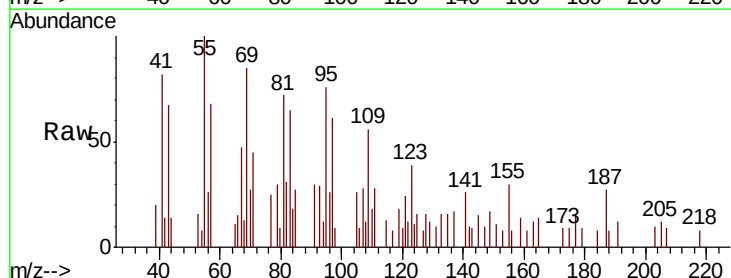
Tgt Ion:184 Resp: 107

Ion Ratio Lower Upper

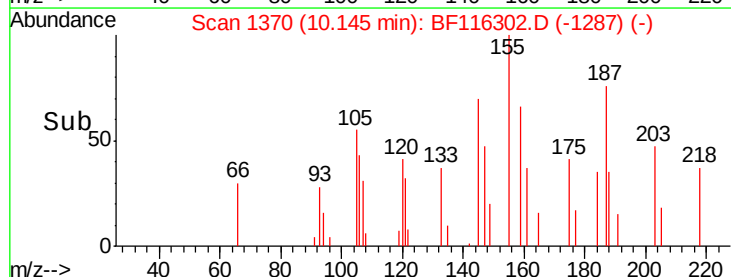
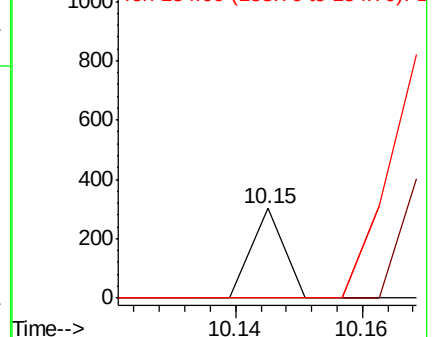
184 100

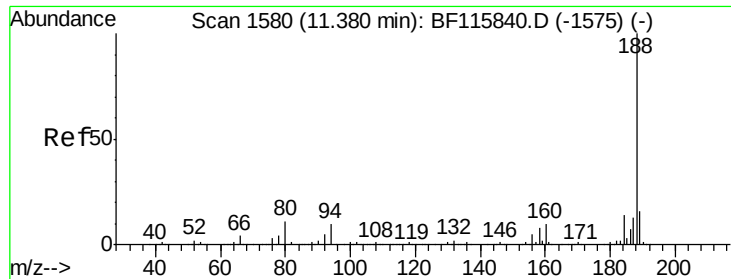
63 0.0 53.0 79.4#

154 0.0 50.1 75.1#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.04 min

Lab File: BF116302.D

Acq: 16 Aug 2019 2:07

Instrument :

BNA_F

ClientSampleId :

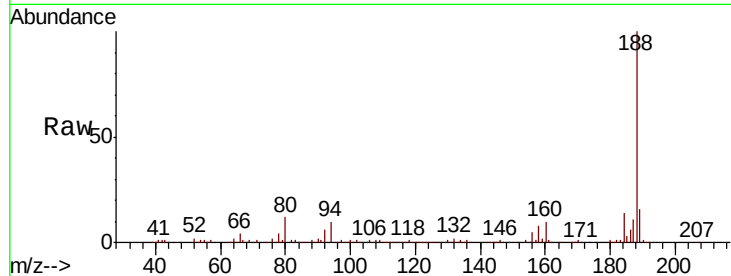
Tot Ion:188 Resp: 316140

Ion Ratio Lower Upper

188 100

94 10.4 8.1 12.1

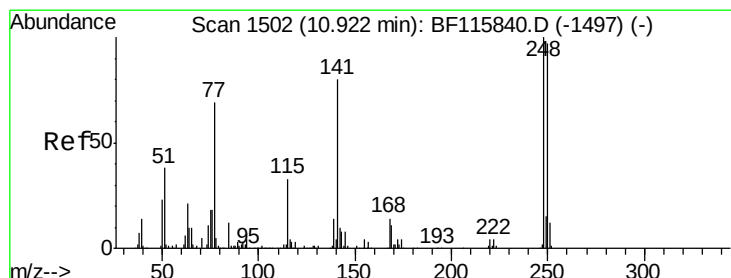
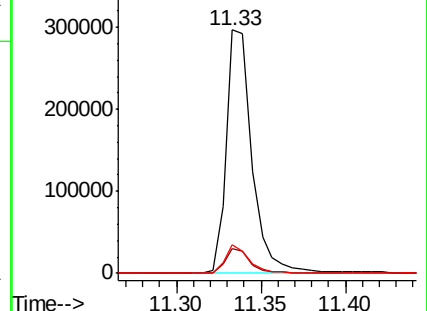
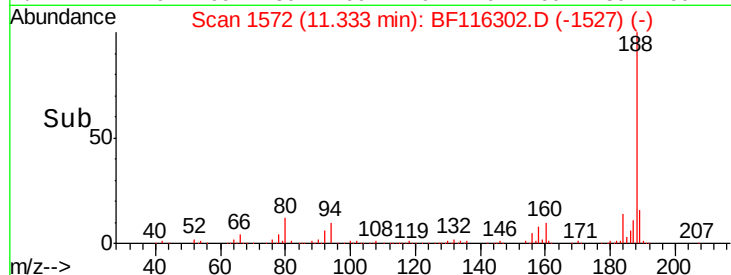
80 11.8 8.7 13.1



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



#67

4-Bromophenyl-phenylether

Concen: 2.534 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.27 min

Lab File: BF116302.D

Acq: 16 Aug 2019 2:07

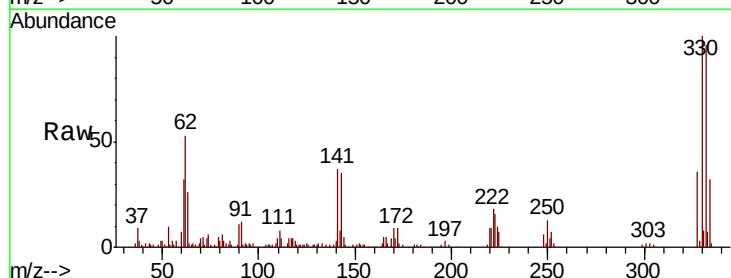
Tgt Ion:248 Resp: 8577

Ion Ratio Lower Upper

248 100

250 205.9 77.4 116.2#

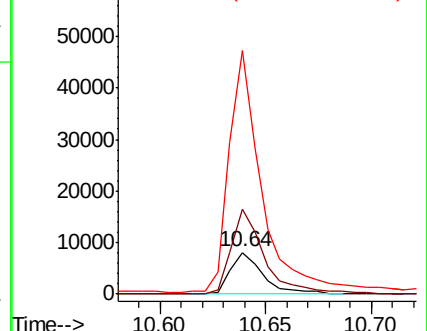
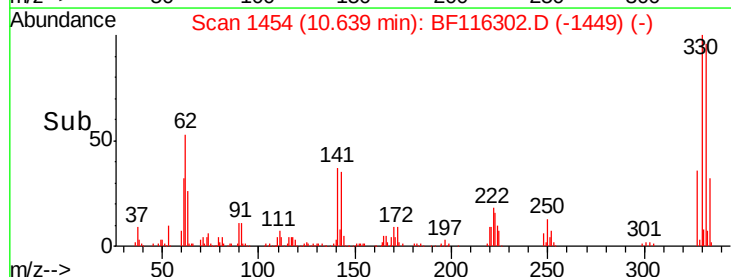
141 586.1 56.8 85.2#

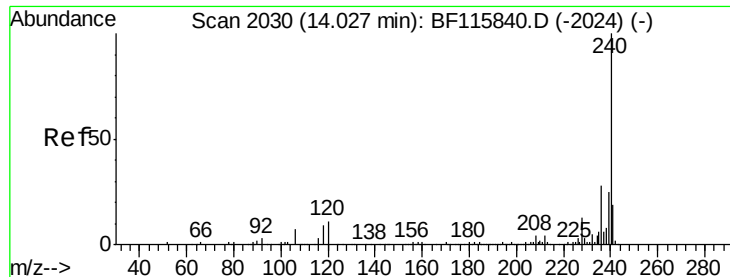


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.03 min

Lab File: BF116302.D

Acq: 16 Aug 2019 2:07

Instrument :

BNA_F

ClientSampleId :

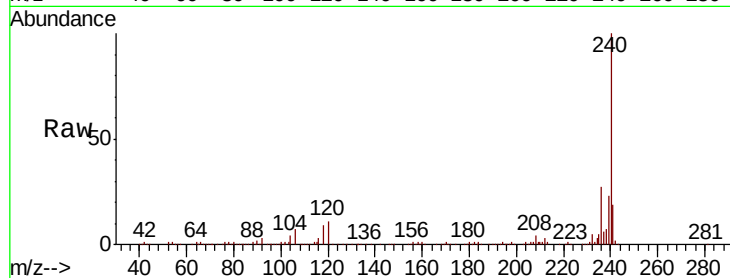
Tot Ion:240 Resp: 291846

Ion Ratio Lower Upper

240 100

120 10.6 10.7 16.1#

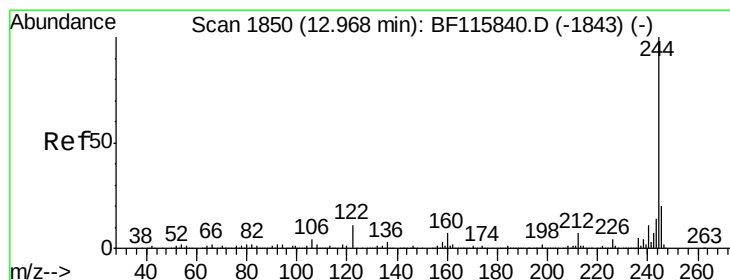
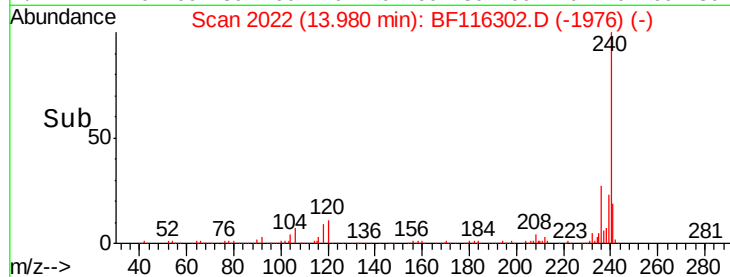
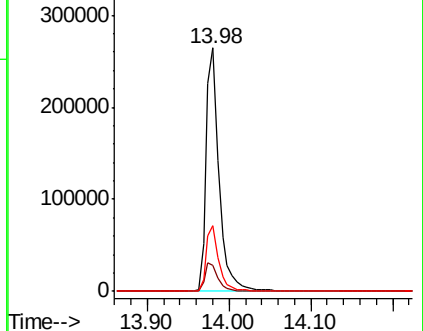
236 27.1 22.2 33.2



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: 54.711 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.04 min

Lab File: BF116302.D

Acq: 16 Aug 2019 2:07

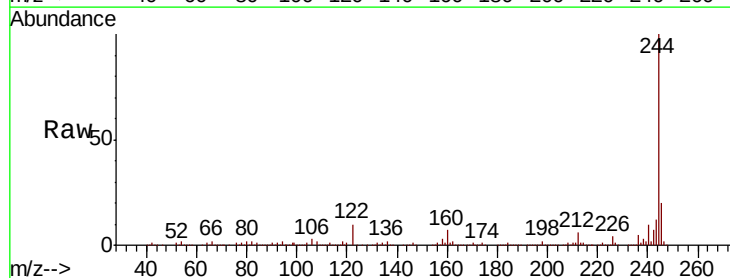
Tgt Ion:244 Resp: 757762

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.8

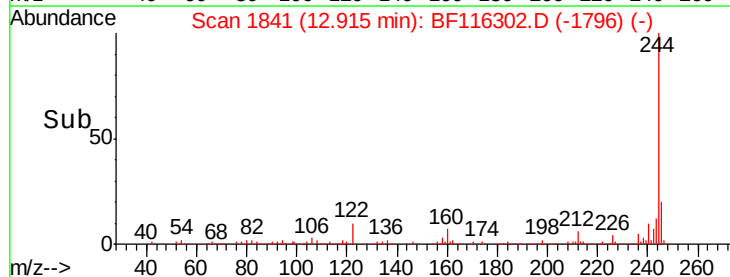
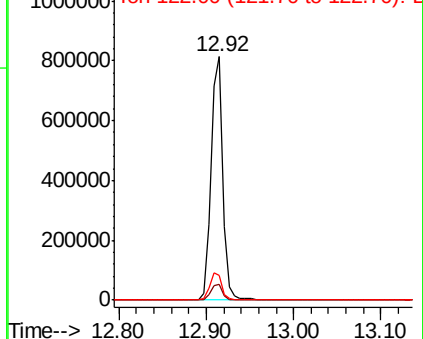
122 10.1 9.0 13.4

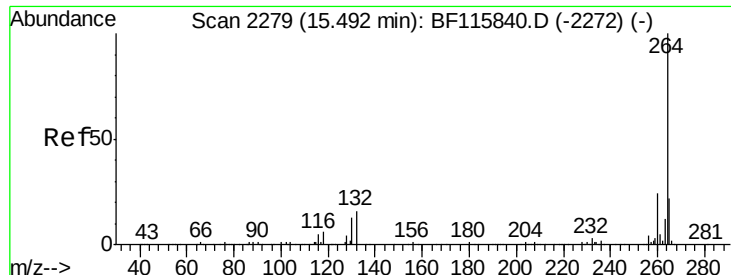


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.04 min
Lab File: BF116302.D
Acq: 16 Aug 2019 2:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.7	29.5
265	22.2	17.4	26.0

