

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
 Data File : BF116155.D
 Acq On : 10 Aug 2019 18:07
 Operator : HP/JU
 Sample : K4294-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 12 00:57:03 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	6.84	152	160263	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	629026	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	315470	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	489527	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	283611	20.00	ng	0.00
87) Perylene-d12	15.47	264	335415	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	889936	92.96	ng	0.00
7) Phenol-d6	6.47	99	1160543	96.08	ng	-0.01
23) Nitrobenzene-d5	7.40	82	769393	70.60	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	234464	76.66	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1336610	79.36	ng	-0.01
79) Terphenyl-d14	12.94	244	1096764	81.49	ng	-0.01

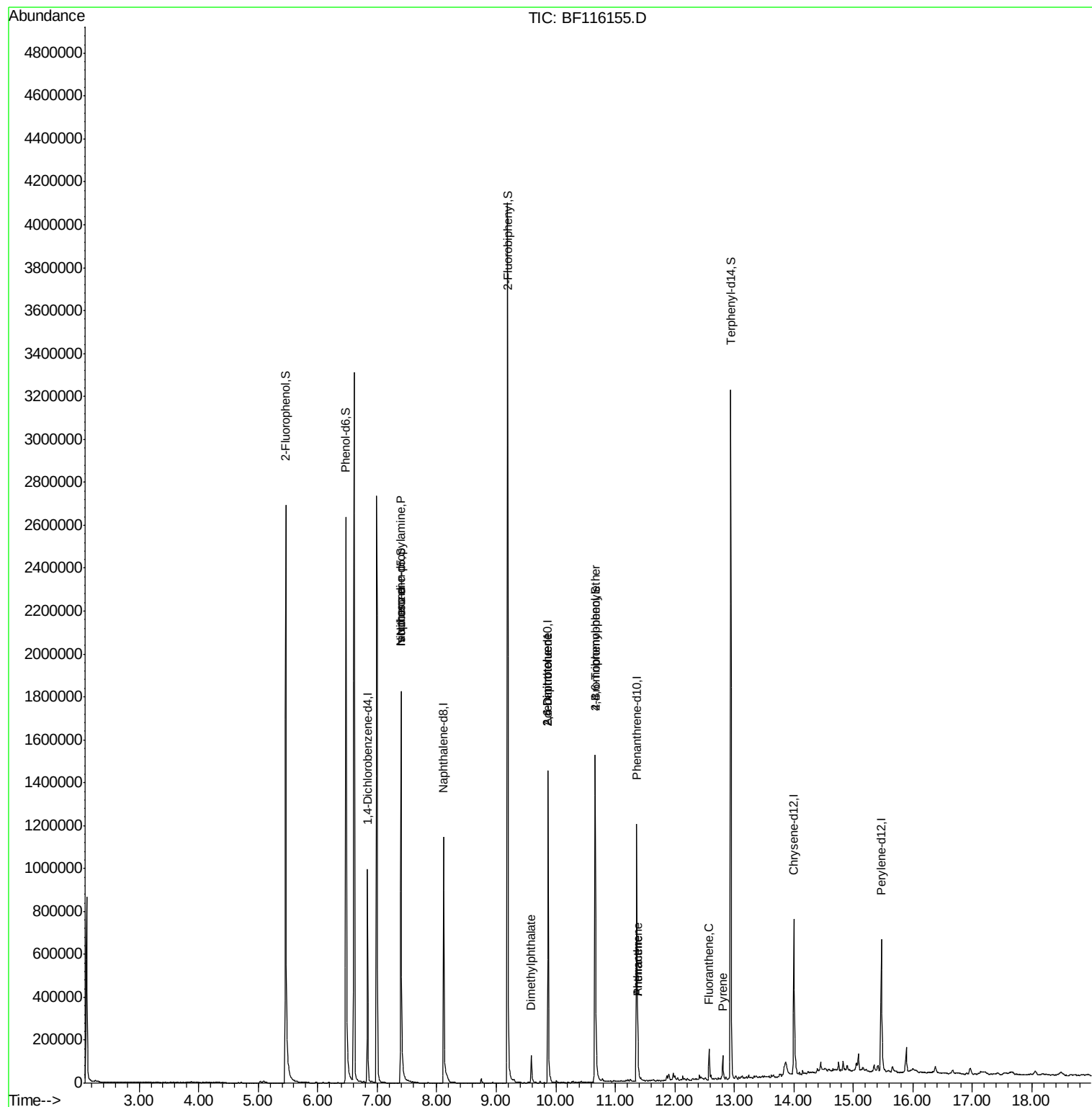
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	98527	13.164	ng	# 79
25) Isophorone	7.40	82	769390	36.924	ng	# 65
50) Dimethylphthalate	9.59	163	76431	3.558	ng	99
51) 2,6-Dinitrotoluene	9.87	165	40554	8.688	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	40555	6.525	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	13938	2.660	ng	# 1
71) Phenanthrene	11.38	178	50899	2.034	ng	99
72) Anthracene	11.38	178	50899	2.010	ng	99
75) Fluoranthene	12.57	202	62228	2.375	ng	99
78) Pyrene	12.80	202	51052	2.388	ng	99

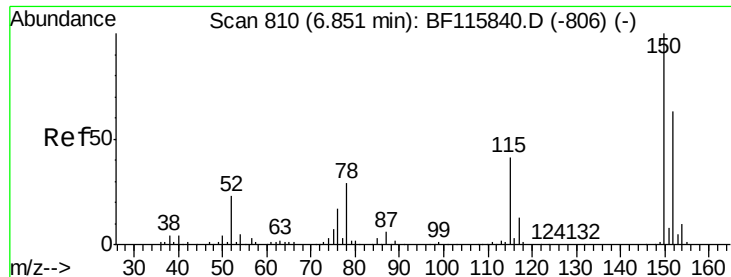
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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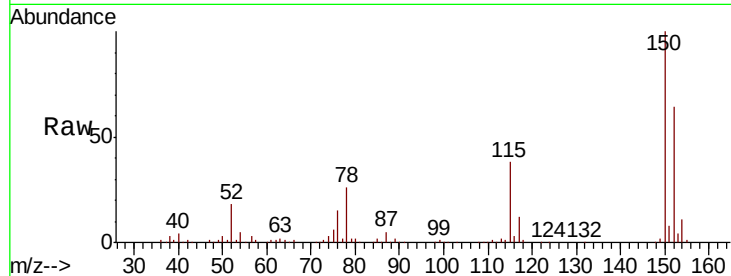


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116155.D
Acq: 10 Aug 2019 18:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	126.2	189.2
115	59.1	49.9	74.9

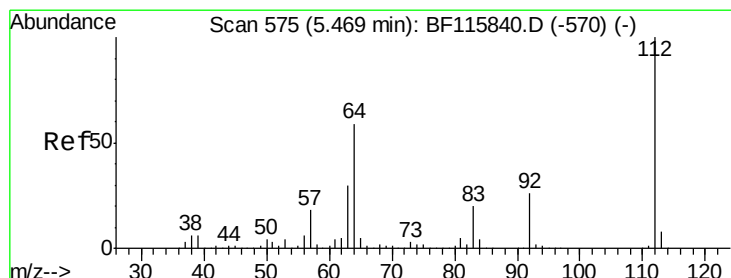
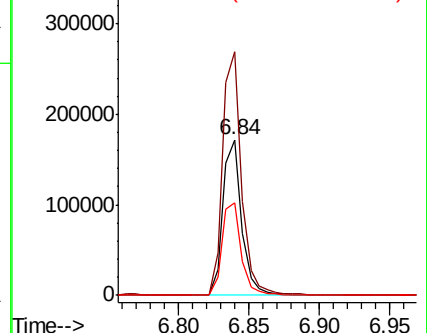
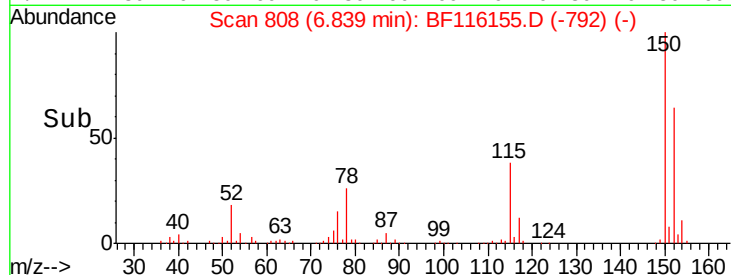


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

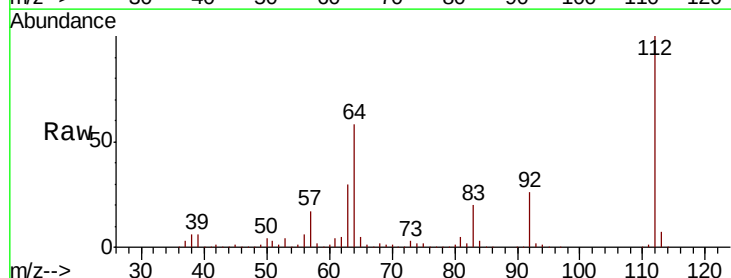
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 92.960 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF116155.D
Acq: 10 Aug 2019 18:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	45.4	68.2
63	30.4	23.7	35.5

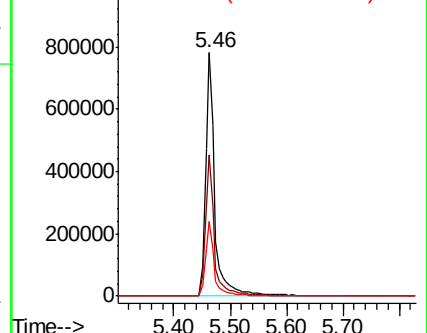
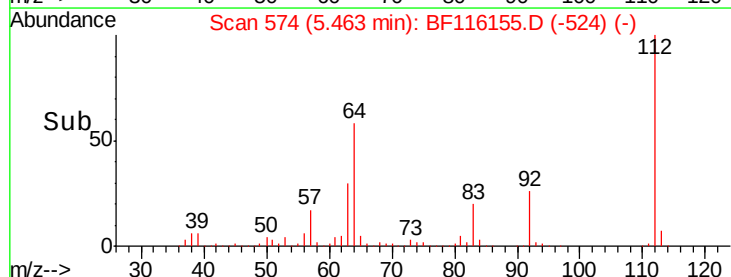


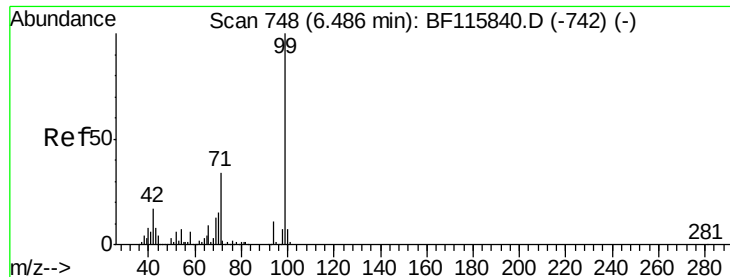
Abundance

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: 96.084 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116155.D

Acq: 10 Aug 2019 18:07

Instrument :

BNA_F

ClientSampleId :

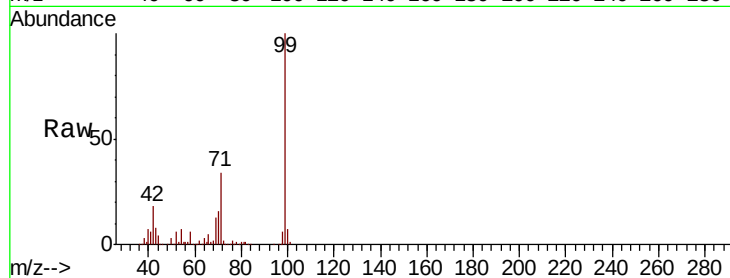
Tot Ion: 99 Resp: 1160543

Ion Ratio Lower Upper

99 100

42 17.6 13.8 20.8

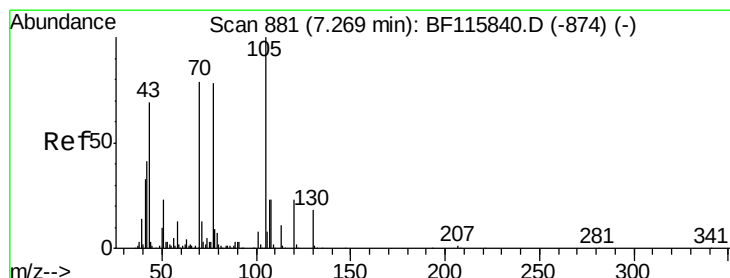
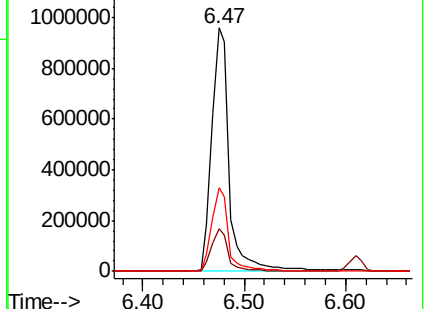
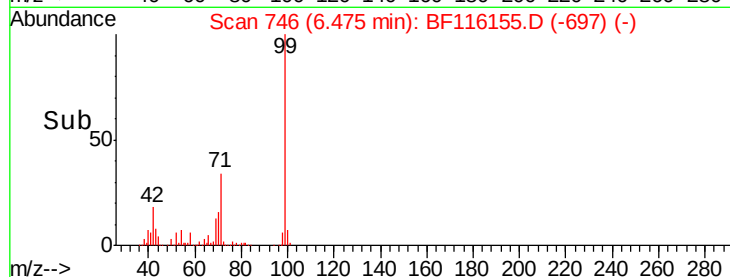
71 34.4 27.3 40.9



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: 13.164 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF116155.D

Acq: 10 Aug 2019 18:07

Tgt Ion: 70 Resp: 98527

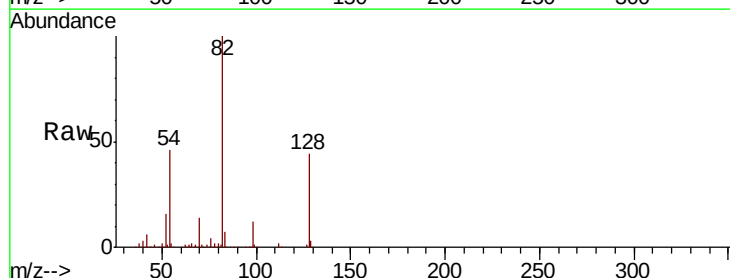
Ion Ratio Lower Upper

70 100

42 43.4 40.9 61.3

101 0.0 7.9 11.9#

130 1.9 16.9 25.3#

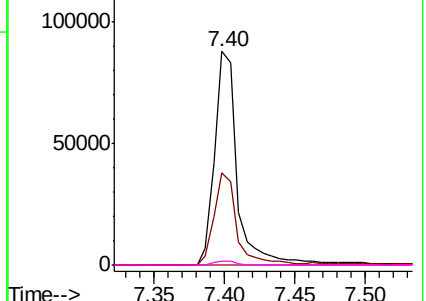
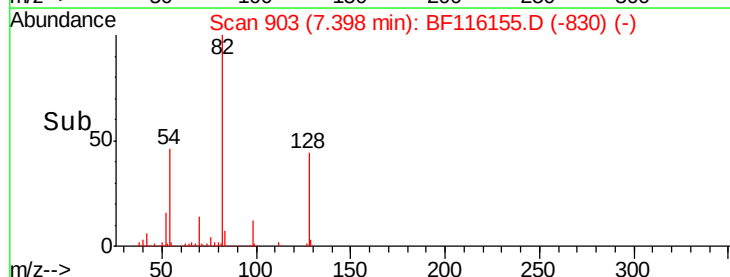


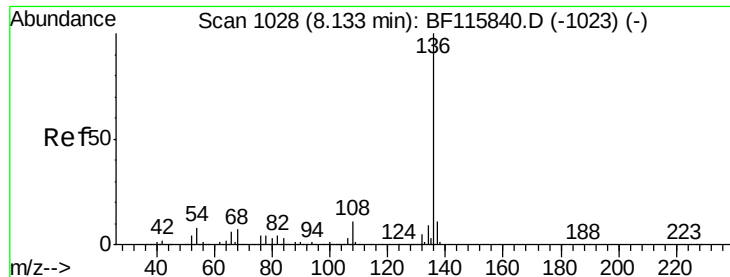
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116155.D

Acq: 10 Aug 2019 18:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 629026

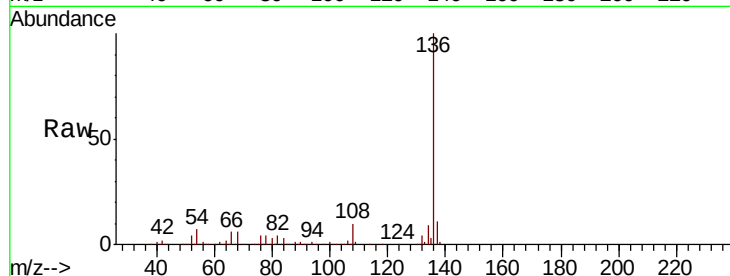
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.2 5.8 8.6

68 6.4 5.2 7.8

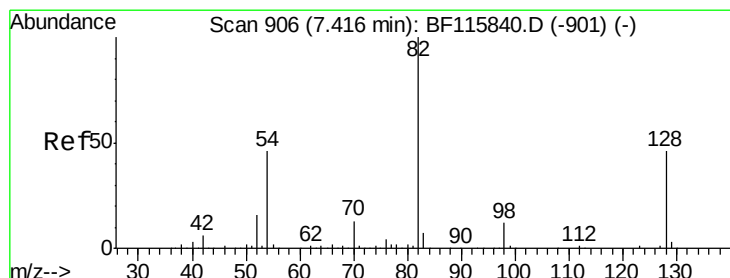
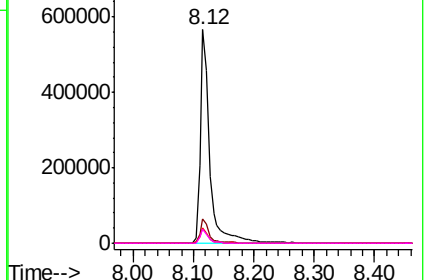
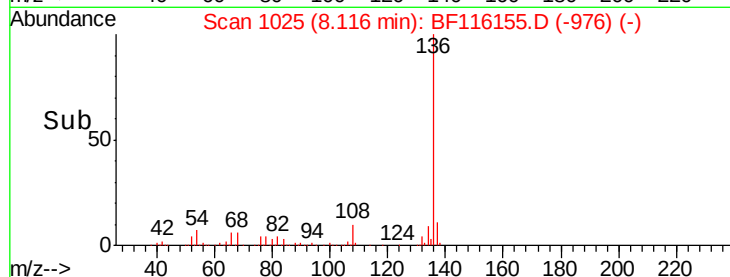


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.604 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116155.D

Acq: 10 Aug 2019 18:07

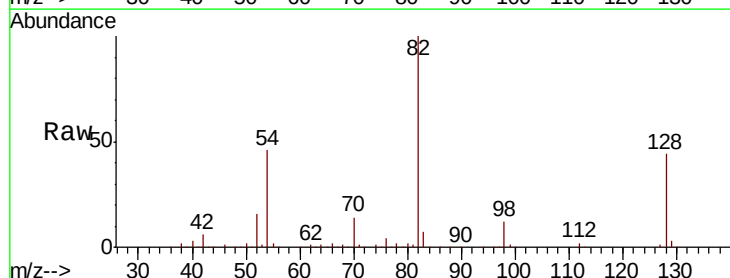
Tgt Ion: 82 Resp: 769393

Ion Ratio Lower Upper

82 100

128 43.9 36.5 54.7

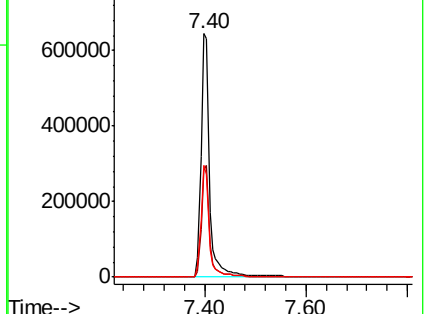
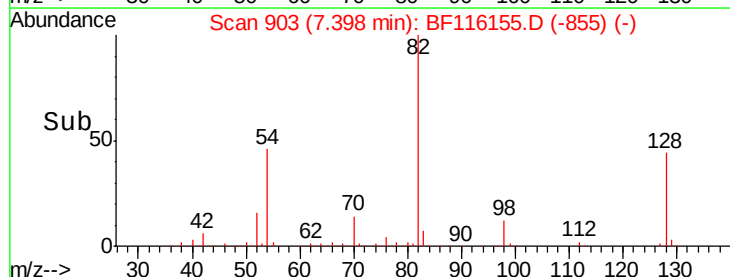
54 46.1 36.0 54.0

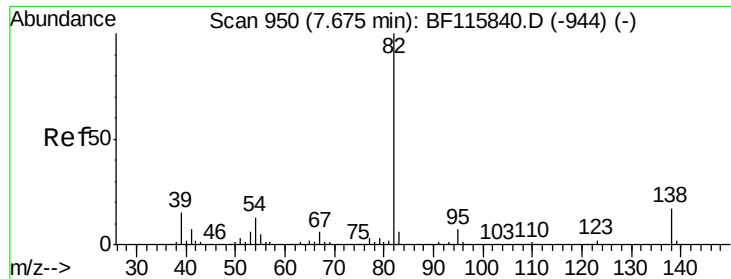


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.924 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116155.D

Acq: 10 Aug 2019 18:07

Instrument :

BNA_F

ClientSampleId :

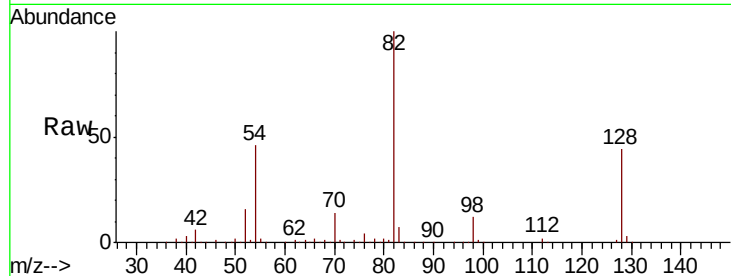
Tot Ion: 82 Resp: 769390

Ion Ratio Lower Upper

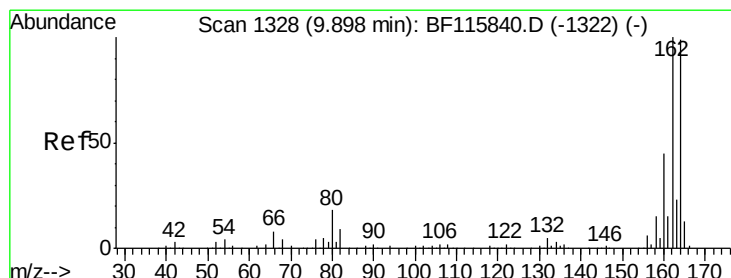
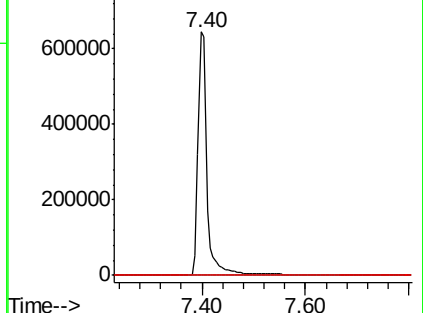
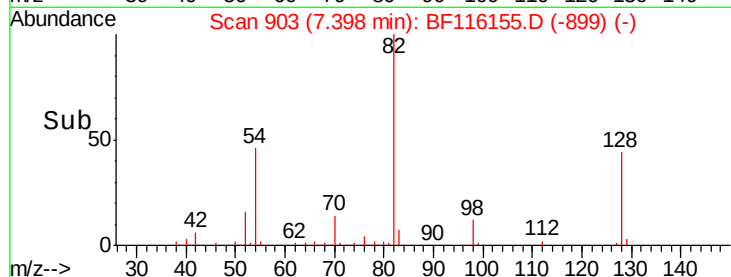
82 100

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: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116155.D

Acq: 10 Aug 2019 18:07

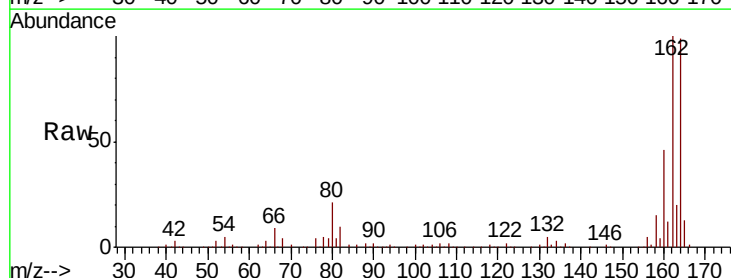
Tgt Ion: 164 Resp: 315470

Ion Ratio Lower Upper

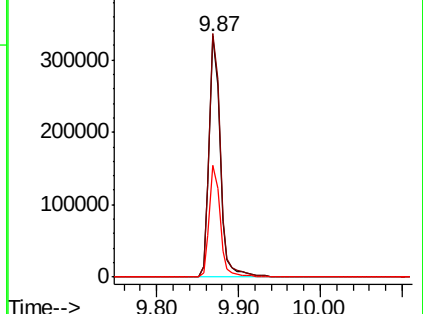
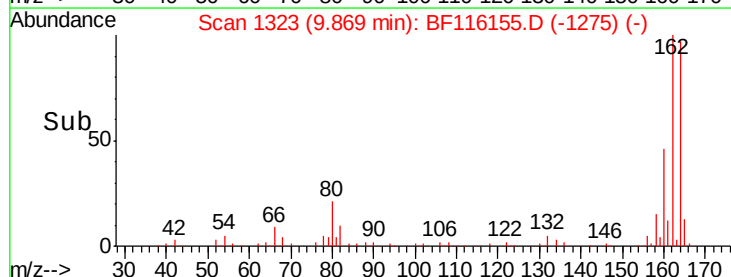
164 100

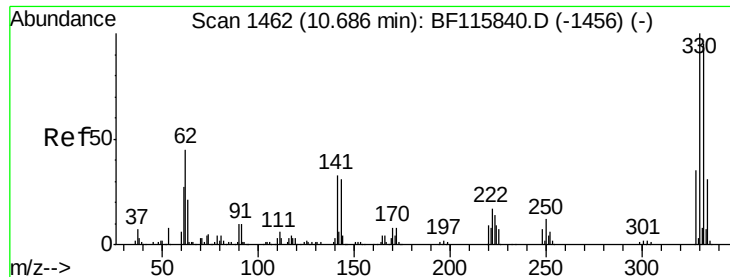
162 101.0 82.6 124.0

160 46.4 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: 76.658 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116155.D

Acq: 10 Aug 2019 18:07

Instrument :

BNA_F

ClientSampled :

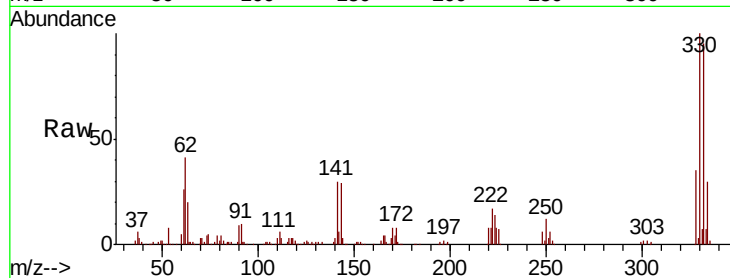
Tot Ion:330 Resp: 234464

Ion Ratio Lower Upper

330 100

332 95.5 76.8 115.2

141 35.0 26.3 39.5

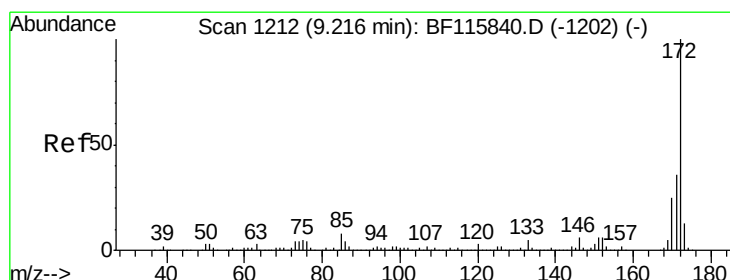
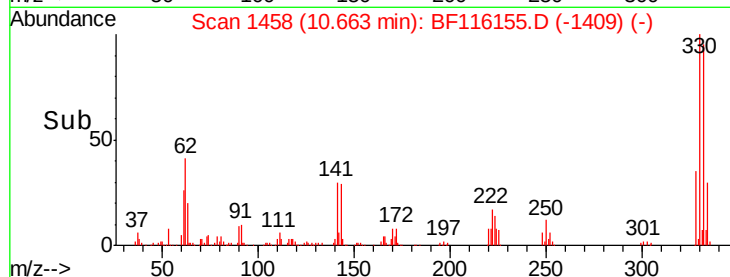
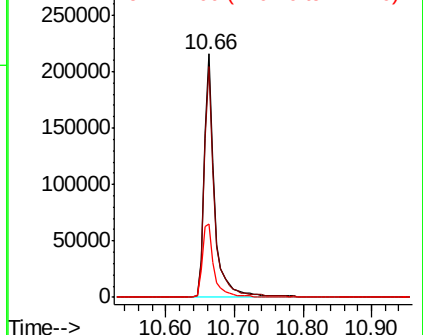


Abundance

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: 79.360 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF116155.D

Acq: 10 Aug 2019 18:07

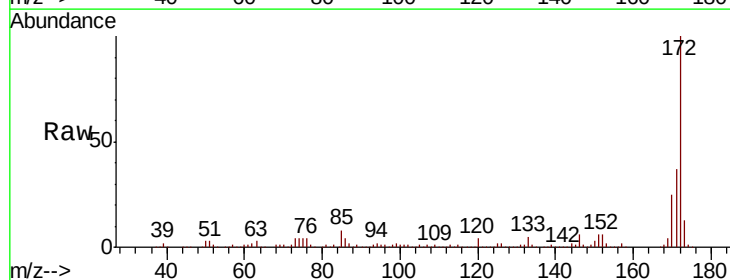
Tgt Ion:172 Resp: 1336610

Ion Ratio Lower Upper

172 100

171 36.6 29.6 44.4

170 24.8 20.1 30.1

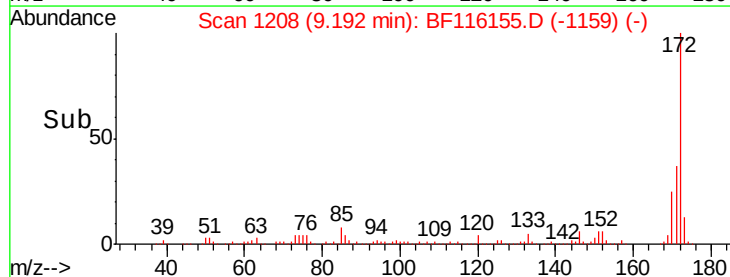
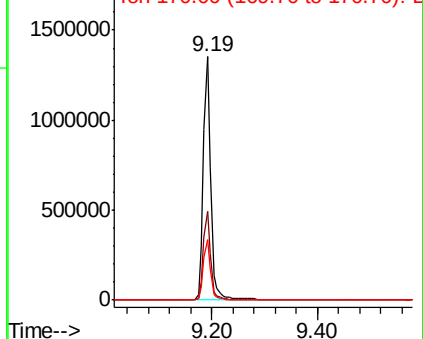


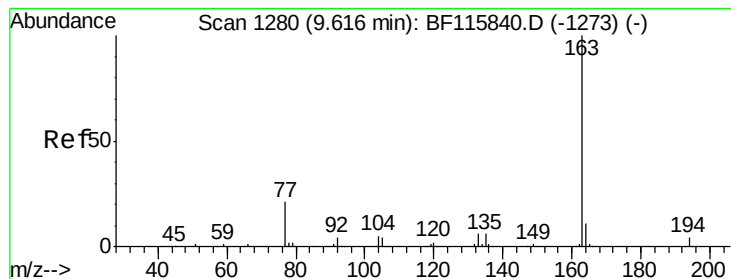
Abundance

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: 3.558 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF116155.D

Acq: 10 Aug 2019 18:07

Instrument :

BNA_F

ClientSampleId :

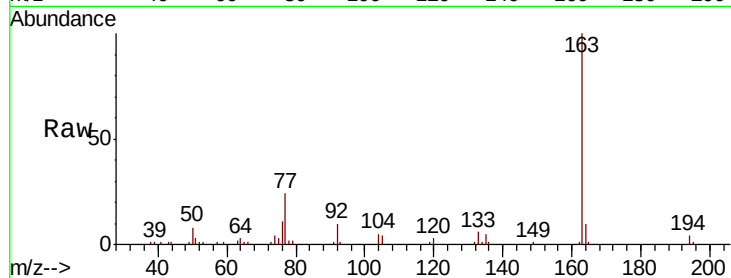
Tot Ion:163 Resp: 76431

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

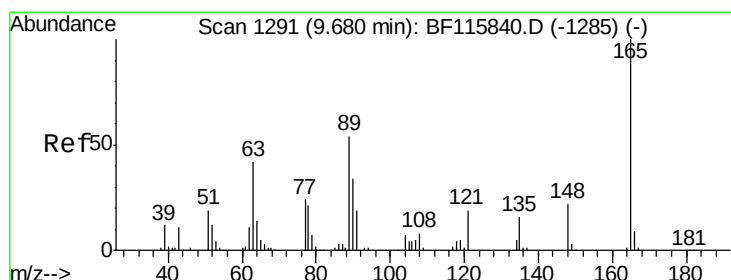
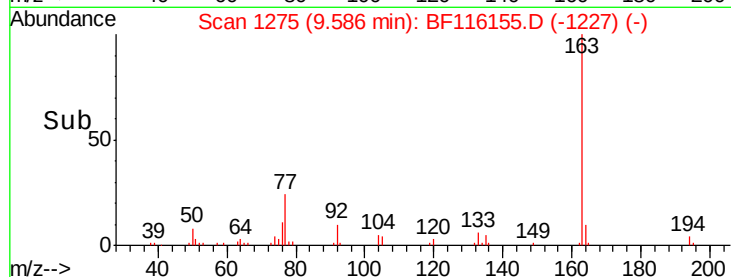
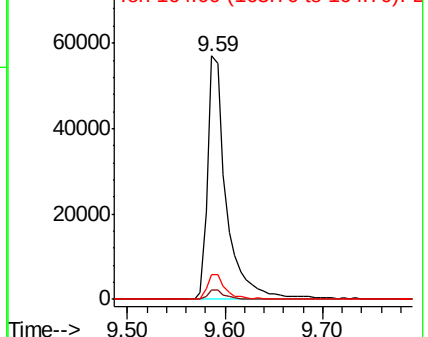
164 10.2 8.4 12.6



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



#51

2,6-Dinitrotoluene

Concen: 8.688 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.19 min

Lab File: BF116155.D

Acq: 10 Aug 2019 18:07

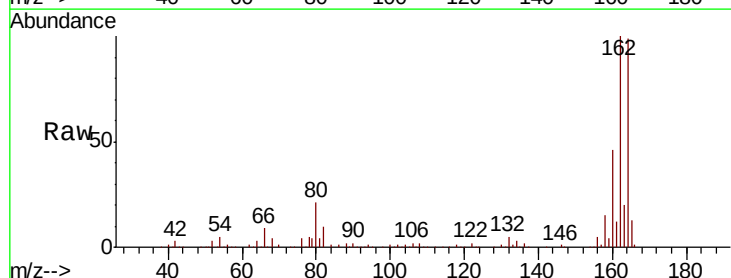
Tgt Ion:165 Resp: 40554

Ion Ratio Lower Upper

165 100

63 0.9 38.2 57.2#

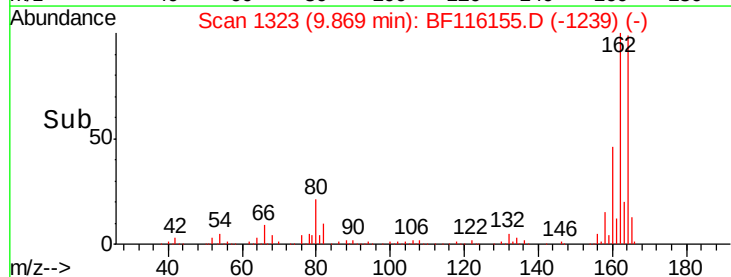
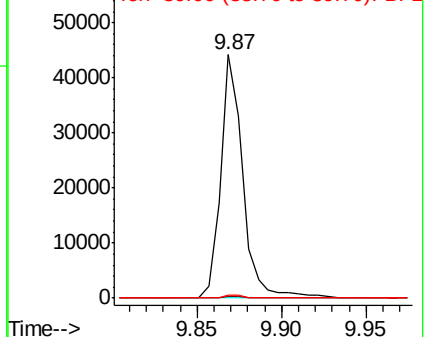
89 1.3 42.9 64.3#

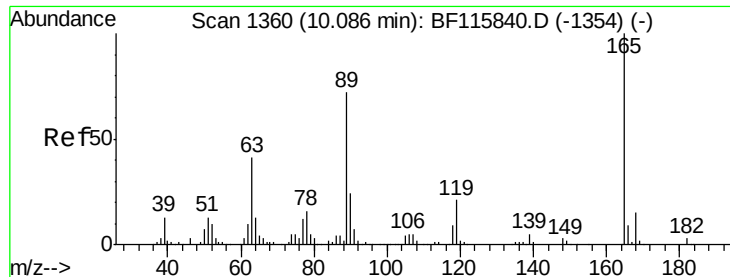


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

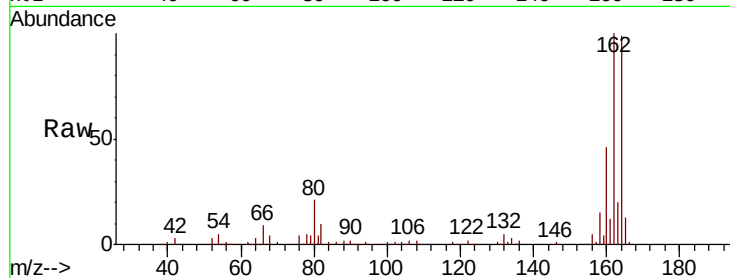




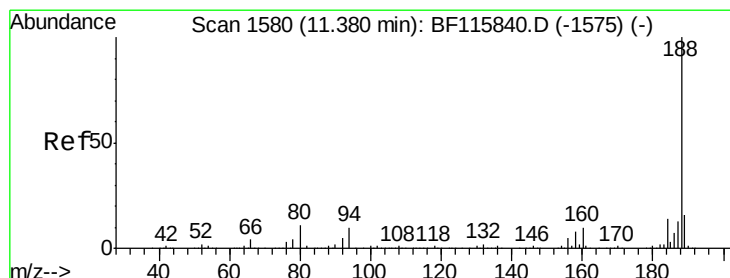
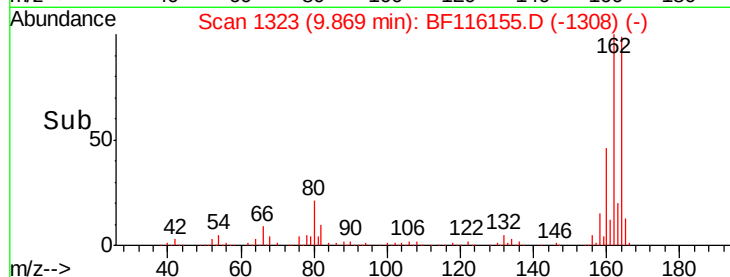
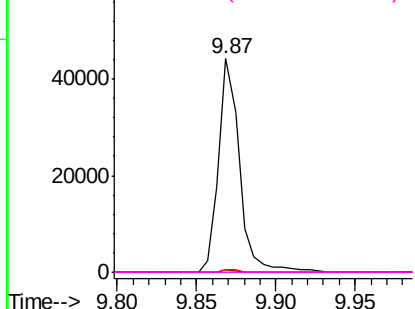
#57
 2,4-Dinitrotoluene
 Concen: 6.525 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116155.D
 Acq: 10 Aug 2019 18:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	40555
Ion Ratio	Lower	Upper
165	100	
63	0.9	39.6 59.4#
89	1.3	62.2 93.2#
182	0.0	2.1 3.1#

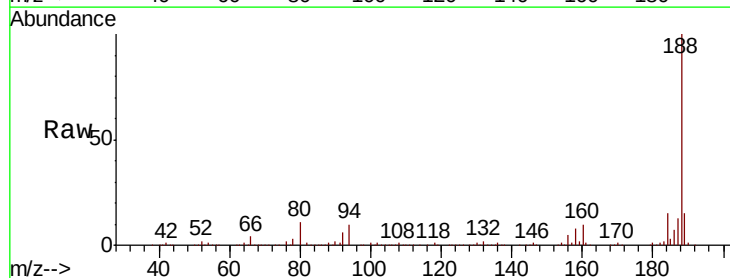


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

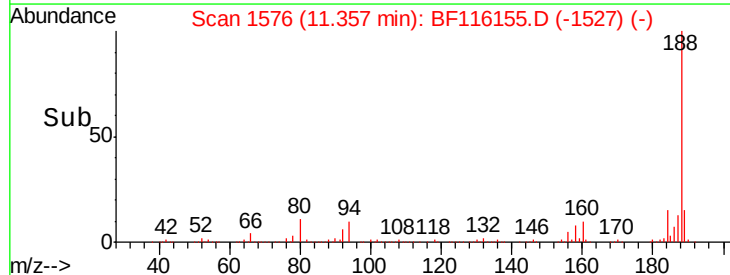
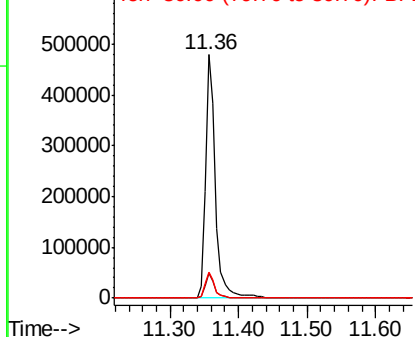


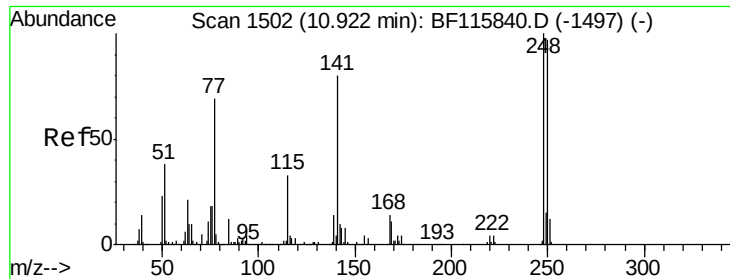
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116155.D
 Acq: 10 Aug 2019 18:07

Tgt Ion:188	Resp:	489527
Ion Ratio	Lower	Upper
188	100	
94	10.0	8.1 12.1
80	10.9	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

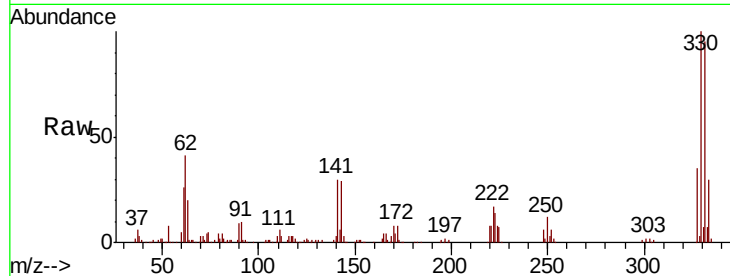




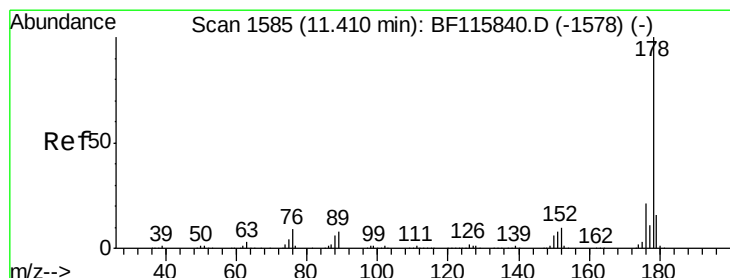
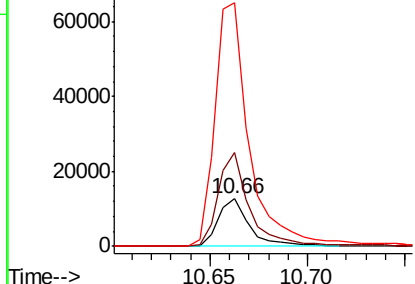
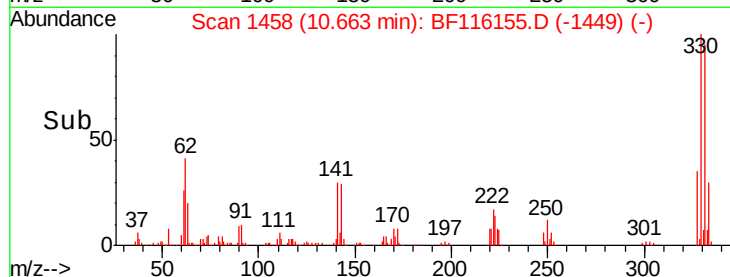
#67
 4-Bromophenyl-phenylether
 Concen: 2.660 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116155.D
 Acq: 10 Aug 2019 18:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	195.8	77.4	116.2#
141	511.1	56.8	85.2#

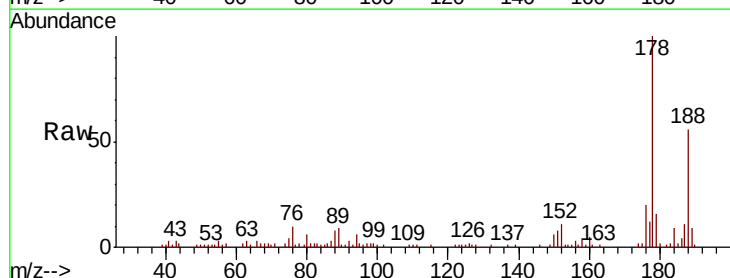


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

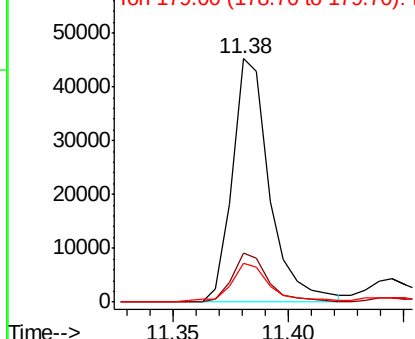
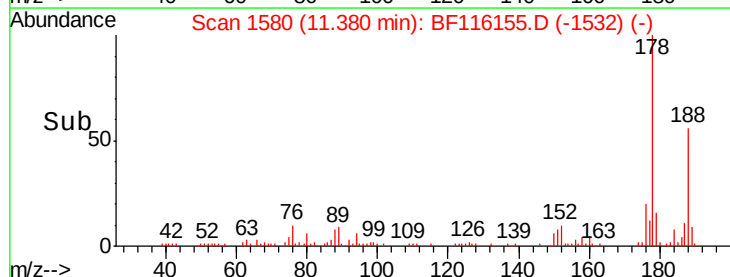


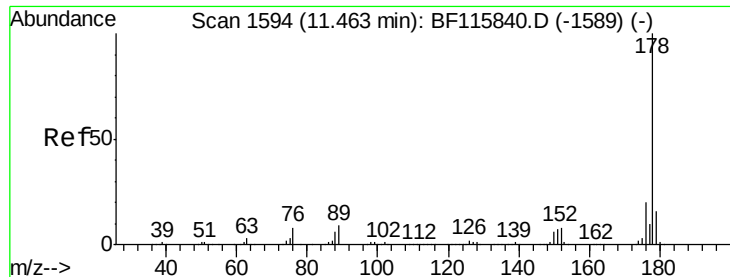
#71
 Phenanthrene
 Concen: 2.034 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.02 min
 Lab File: BF116155.D
 Acq: 10 Aug 2019 18:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.6	24.8
179	15.7	12.5	18.7



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





#72

Anthracene

Concen: 2.010 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.06 min

Lab File: BF116155.D

Acq: 10 Aug 2019 18:07

Instrument :

BNA_F

ClientSampleId :

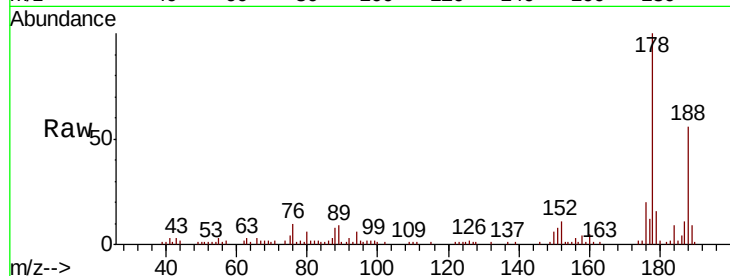
Tot Ion:178 Resp: 50899

Ion Ratio Lower Upper

178 100

176 19.9 15.7 23.5

179 15.7 13.0 19.6

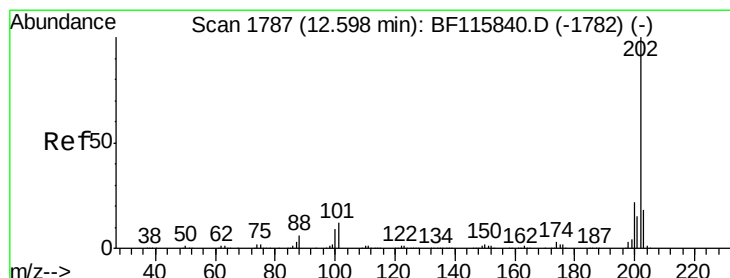
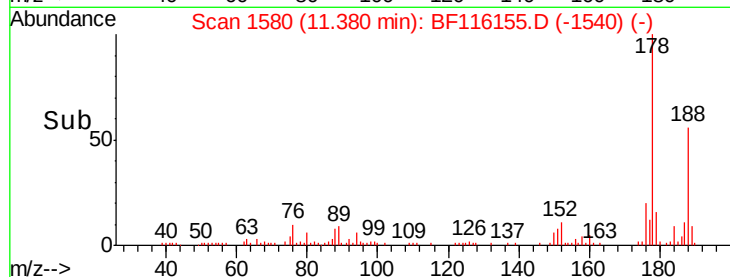
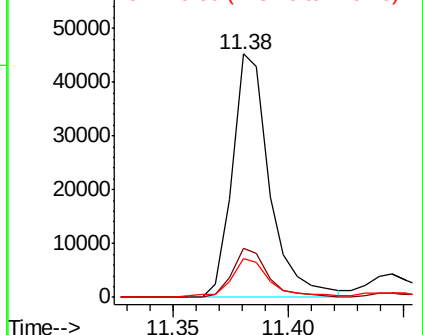


Abundance

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



#75

Fluoranthene

Concen: 2.375 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF116155.D

Acq: 10 Aug 2019 18:07

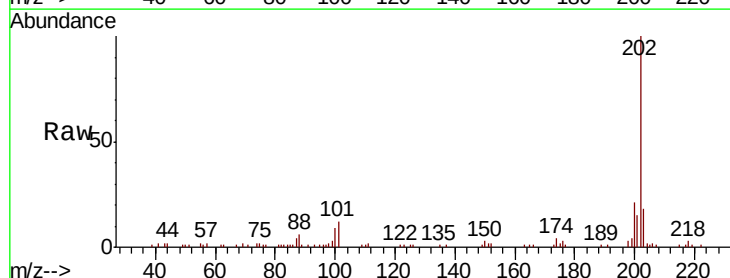
Tgt Ion:202 Resp: 62228

Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.2

203 17.8 0.0 37.8

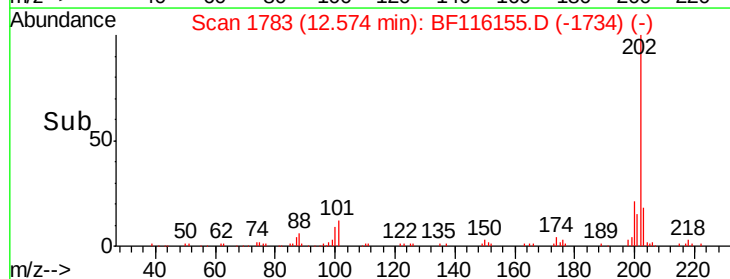
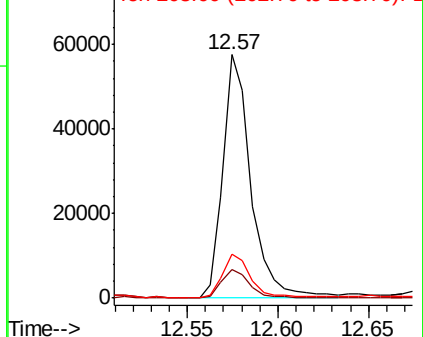


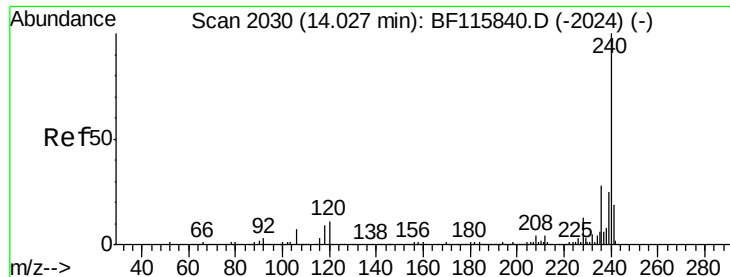
Abundance

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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF116155.D

Acq: 10 Aug 2019 18:07

Instrument :

BNA_F

ClientSampleId :

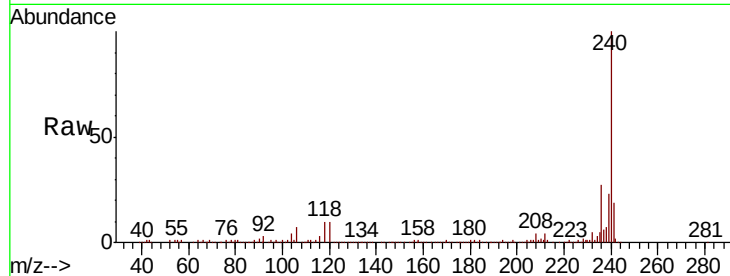
Tot Ion:240 Resp: 283611

Ion Ratio Lower Upper

240 100

120 10.4 10.7 16.1#

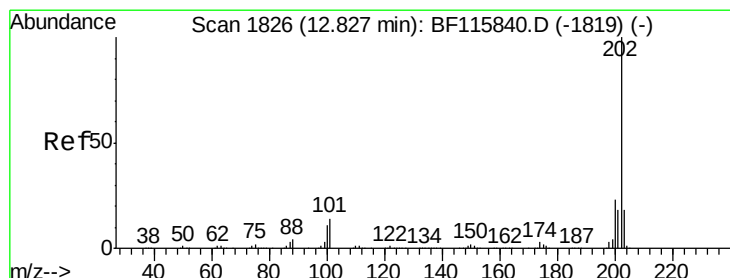
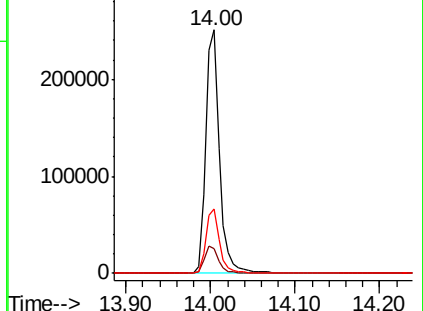
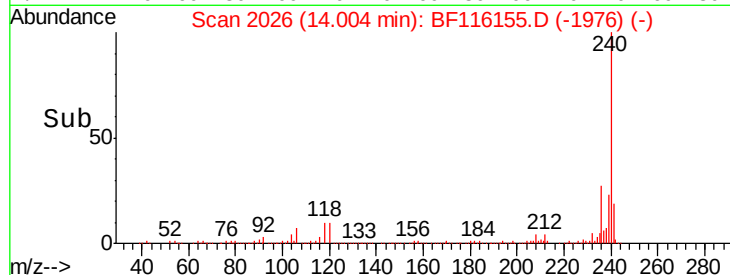
236 26.6 22.2 33.2



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



#78

Pyrene

Concen: 2.388 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF116155.D

Acq: 10 Aug 2019 18:07

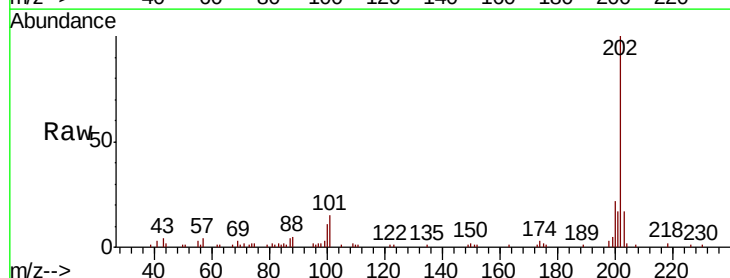
Tgt Ion:202 Resp: 51052

Ion Ratio Lower Upper

202 100

200 22.1 18.0 27.0

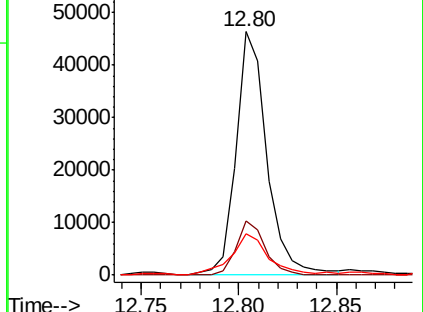
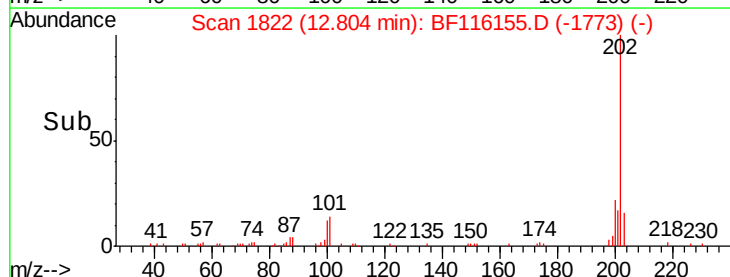
203 17.2 14.1 21.1

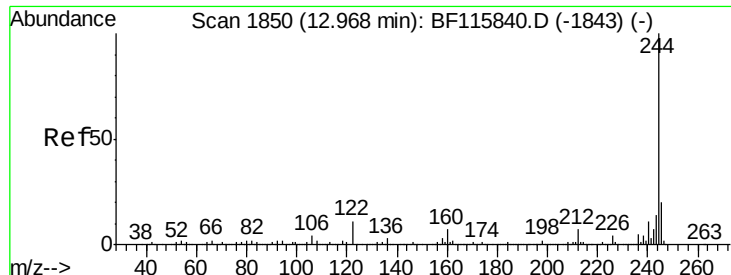


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 81.487 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF116155.D

Acq: 10 Aug 2019 18:07

Instrument :

BNA_F

ClientSampleId :

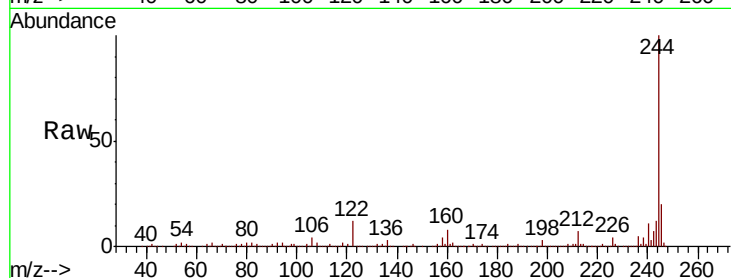
Tot Ion:244 Resp: 1096764

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

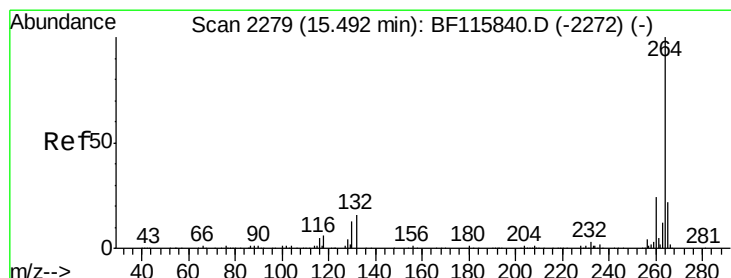
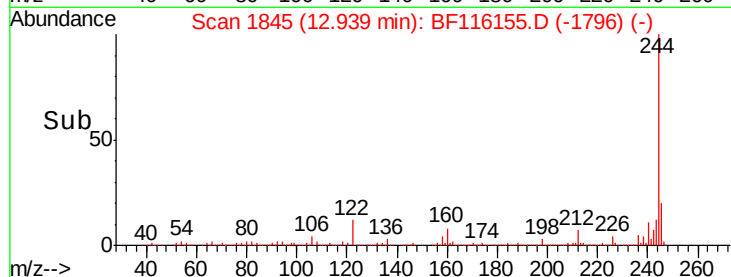
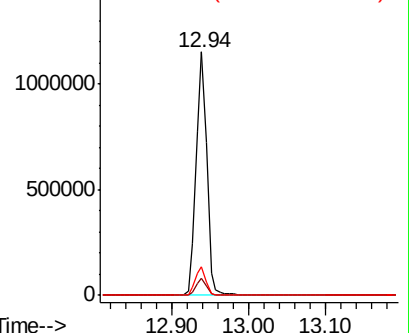
122 11.8 9.0 13.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF116155.D

Acq: 10 Aug 2019 18:07

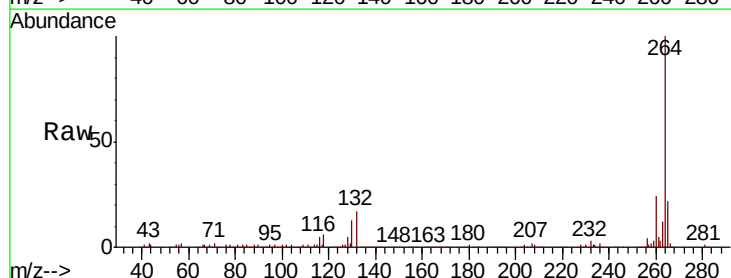
Tgt Ion:264 Resp: 335415

Ion Ratio Lower Upper

264 100

260 23.9 19.7 29.5

265 21.7 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

