

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
 Data File : BF116085.D
 Acq On : 8 Aug 2019 23:25
 Operator : HP/JU
 Sample : K4152-16
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 09 09:15:02 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	6.83	152	128799	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	518788	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	292187	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	539213	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	403238	20.00	ng	0.00
87) Perylene-d12	15.47	264	385401	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	928439	120.67	ng	0.00
7) Phenol-d6	6.47	99	1217362	125.41	ng	-0.01
23) Nitrobenzene-d5	7.40	82	794129	88.36	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	326946	115.41	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1312381	84.13	ng	-0.01
79) Terphenyl-d14	12.95	244	1520876	79.48	ng	0.00

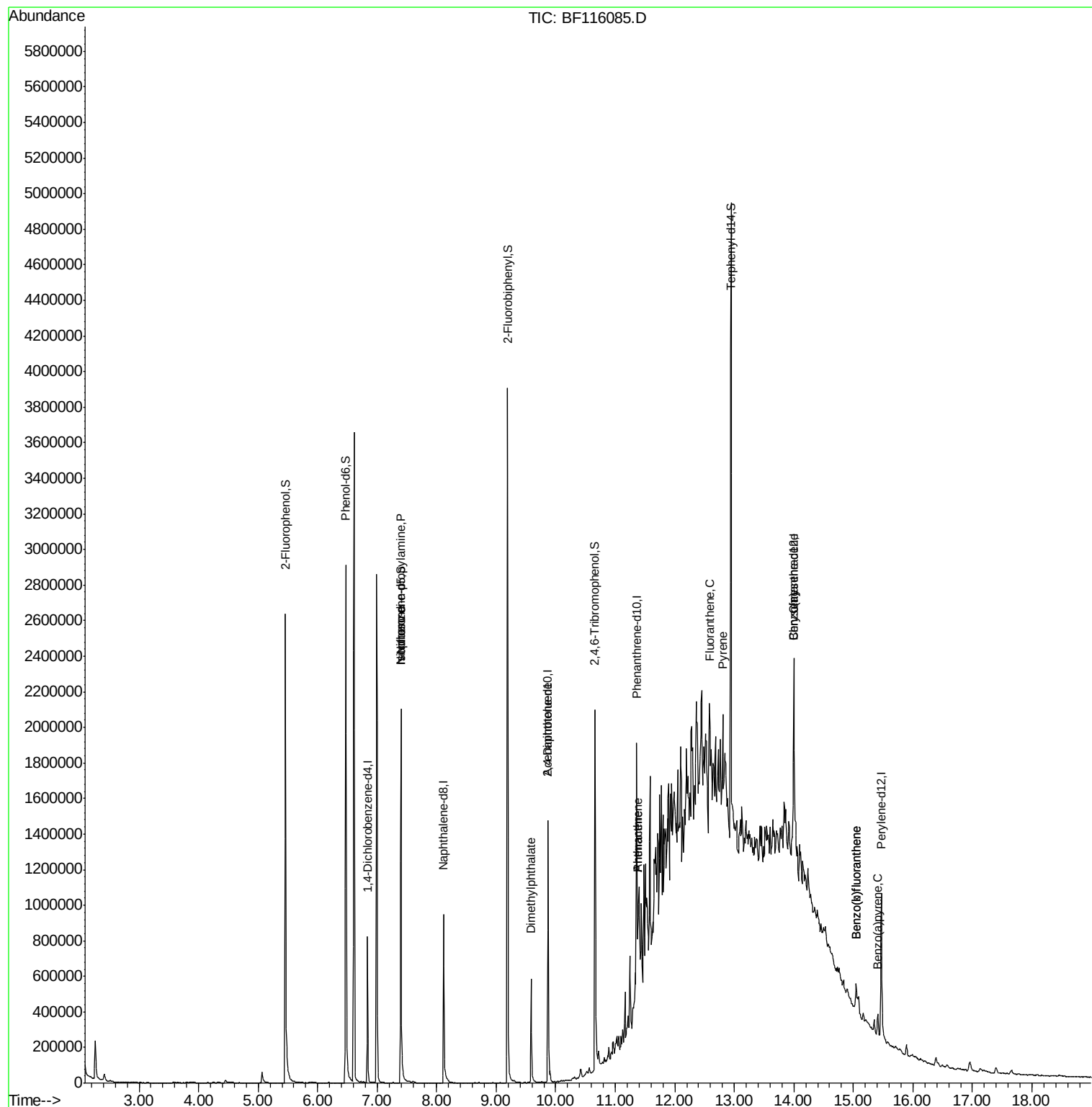
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	105498	17.538	ng	# 79
25) Isophorone	7.40	82	794125	46.209	ng	# 65
50) Dimethylphthalate	9.59	163	311400	15.652	ng	# 98
57) 2,4-Dinitrotoluene	9.87	165	37544	6.522	ng	# 20
71) Phenanthrene	11.38	178	139041	5.044	ng	# 99
72) Anthracene	11.38	178	139041	4.984	ng	# 99
75) Fluoranthene	12.57	202	236712	8.202	ng	# 76
78) Pyrene	12.80	202	197372	6.493	ng	# 77
81) Benzo(a)anthracene	13.99	228	98661	3.828	ng	# 94
83) Chrysene	13.99	228	98661	3.943	ng	# 91
88) Benzo(b)fluoranthene	15.05	252	121889	5.470	ng	# 95
89) Benzo(k)fluoranthene	15.05	252	121889	5.616	ng	# 95
90) Benzo(a)pyrene	15.41	252	61324	3.078	ng	# 94

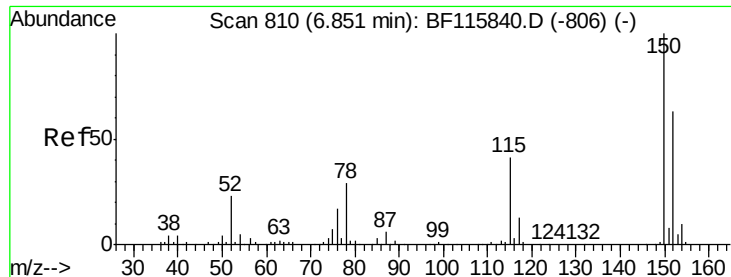
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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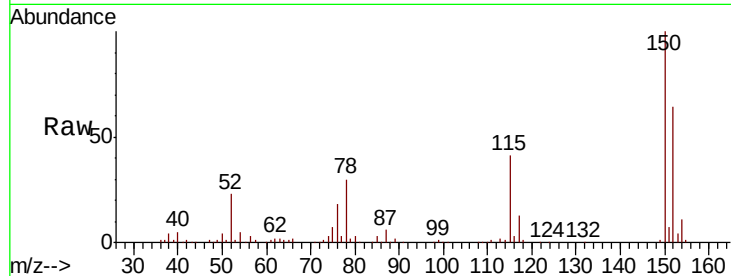


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF116085.D
 Acq: 8 Aug 2019 23:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	126.2	189.2
115	64.5	49.9	74.9

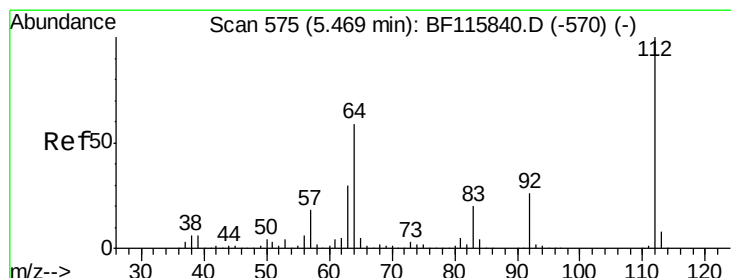
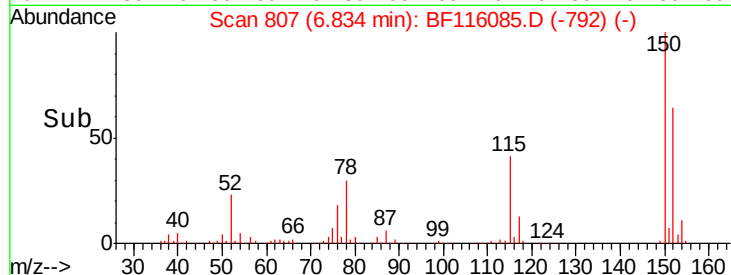
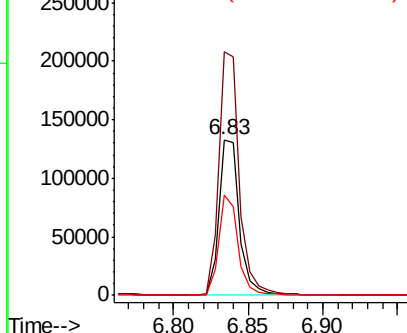


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

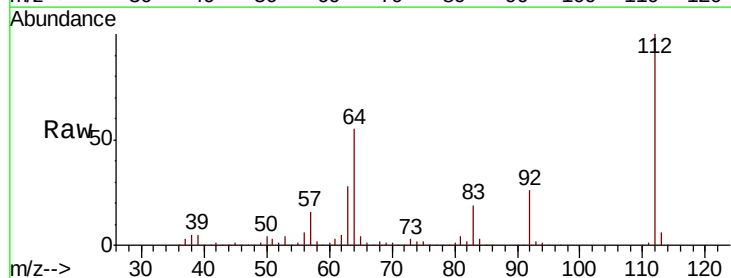
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 120.674 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF116085.D
 Acq: 8 Aug 2019 23:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	45.4	68.2
63	28.3	23.7	35.5

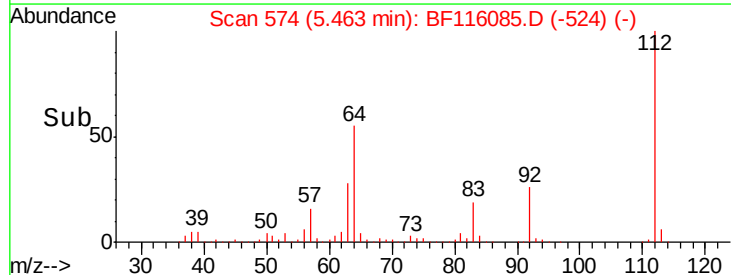
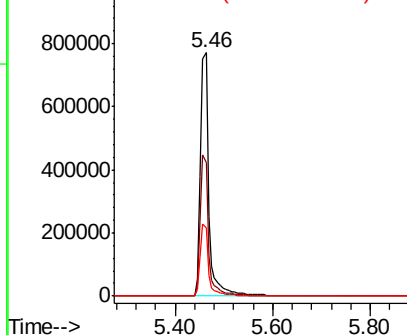


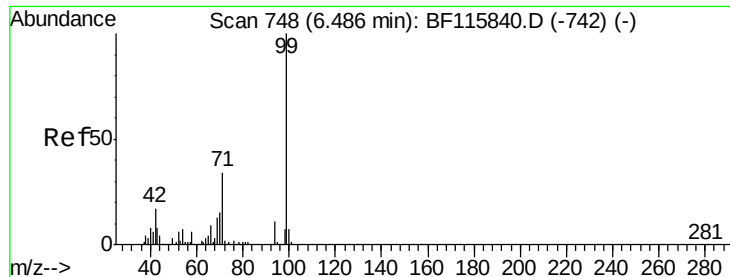
Abundance

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: 125.410 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116085.D

Acq: 8 Aug 2019 23:25

Instrument :

BNA_F

ClientSampleId :

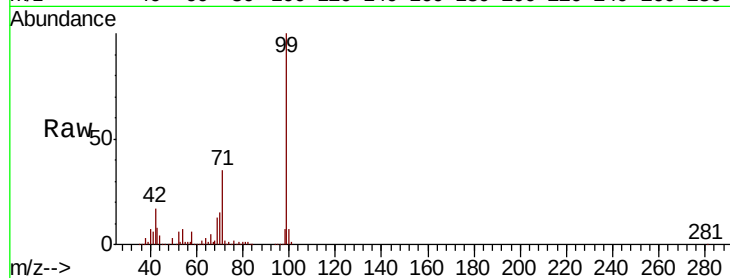
Tot Ion: 99 Resp: 1217362

Ion Ratio Lower Upper

99 100

42 17.1 13.8 20.8

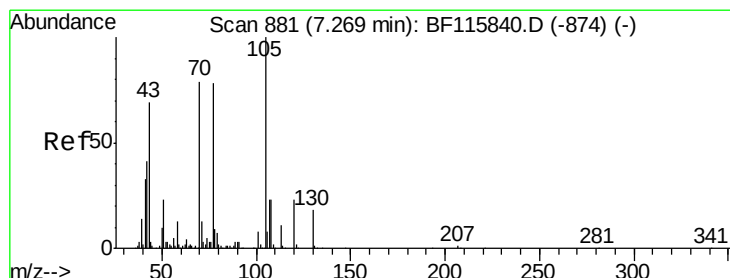
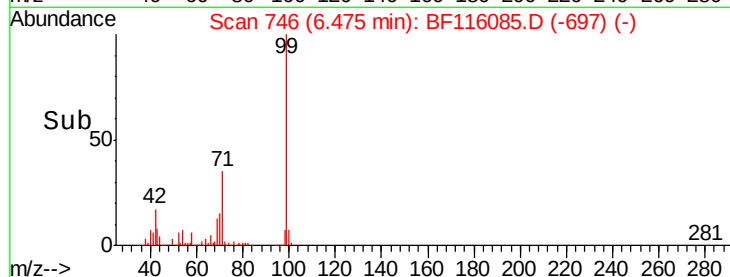
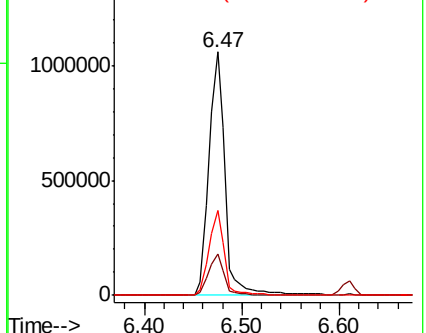
71 34.7 27.3 40.9



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: 17.538 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF116085.D

Acq: 8 Aug 2019 23:25

Tgt Ion: 70 Resp: 105498

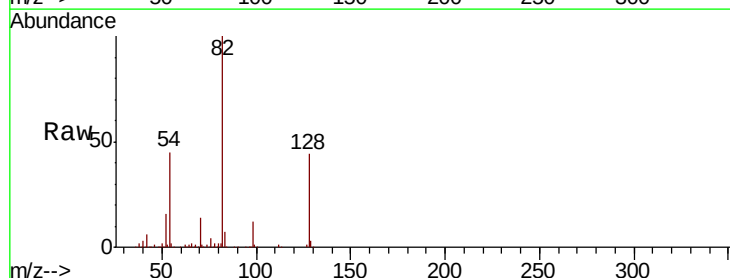
Ion Ratio Lower Upper

70 100

42 43.0 40.9 61.3

101 0.0 7.9 11.9#

130 2.4 16.9 25.3#

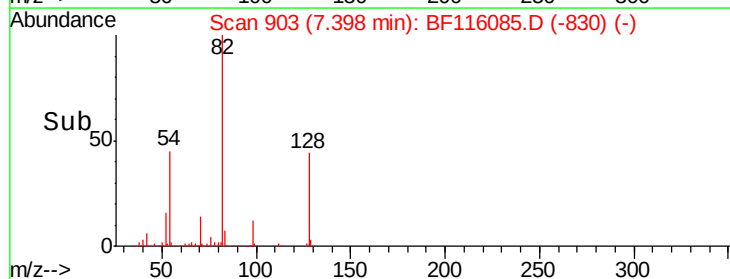
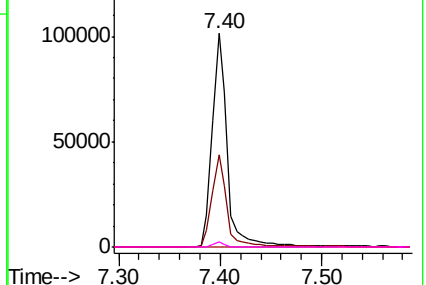


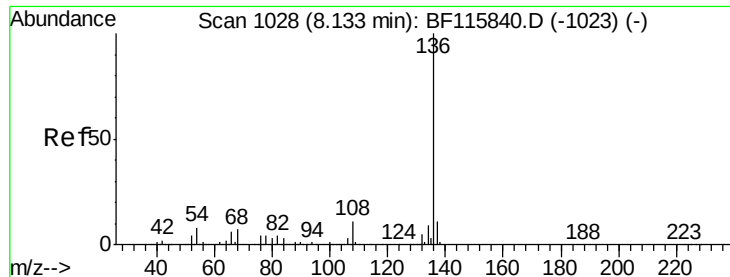
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF116085.D

Acq: 8 Aug 2019 23:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 518788

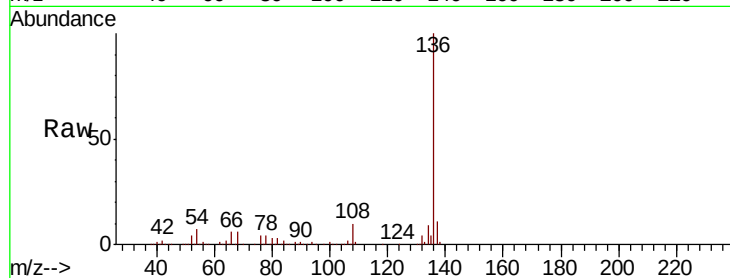
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 7.2 5.8 8.6

68 6.3 5.2 7.8

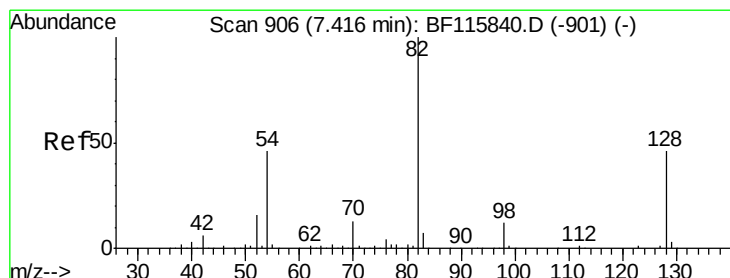
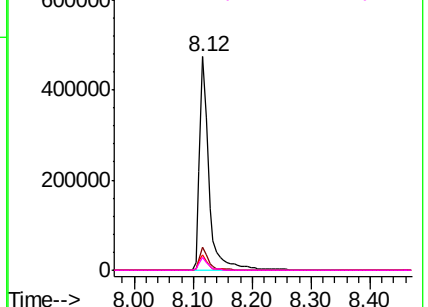
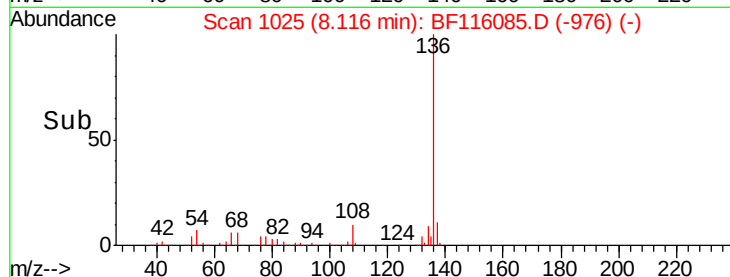


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.359 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116085.D

Acq: 8 Aug 2019 23:25

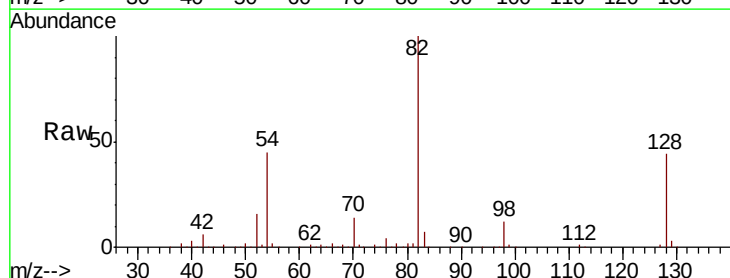
Tgt Ion: 82 Resp: 794129

Ion Ratio Lower Upper

82 100

128 44.1 36.5 54.7

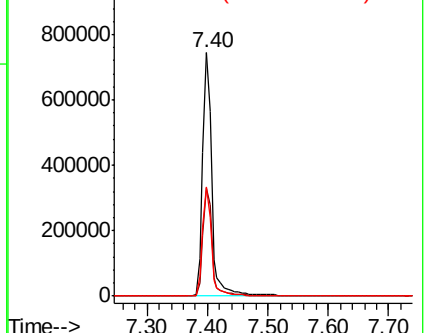
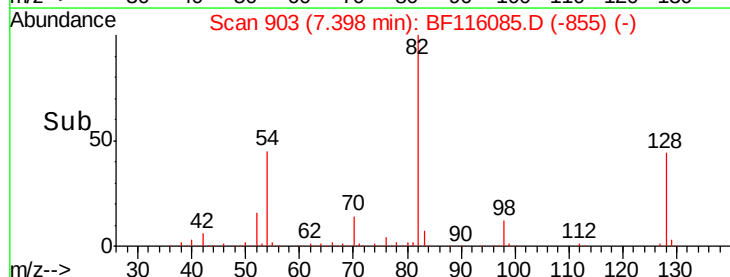
54 45.1 36.0 54.0

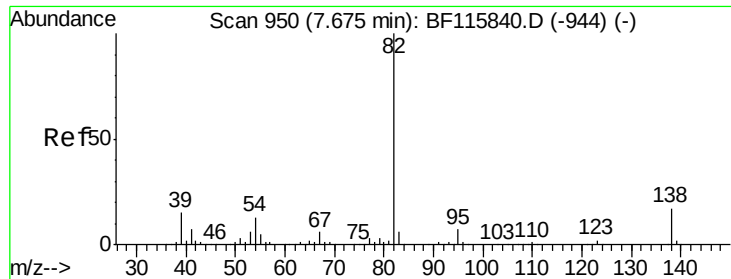


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 46.209 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116085.D

Acq: 8 Aug 2019 23:25

Instrument :

BNA_F

ClientSampled :

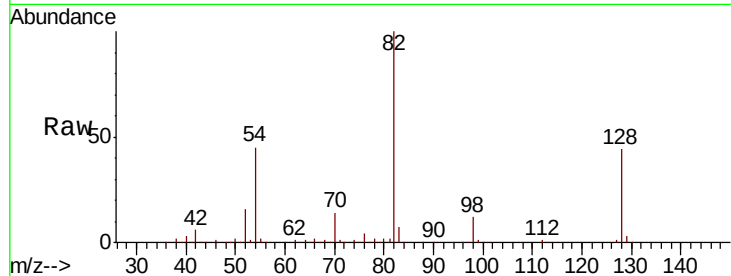
Tot Ion: 82 Resp: 794125

Ion Ratio Lower Upper

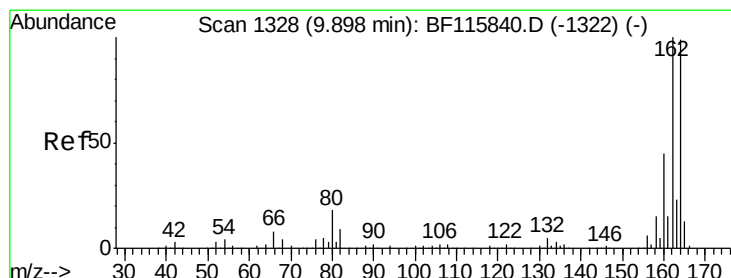
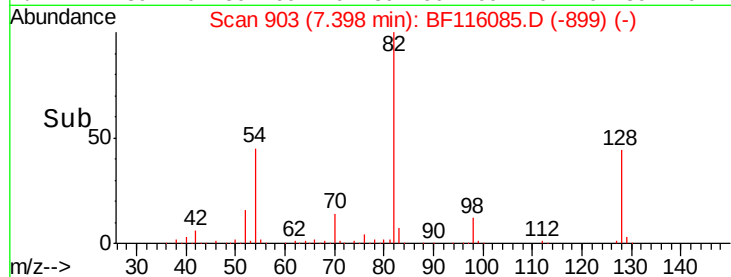
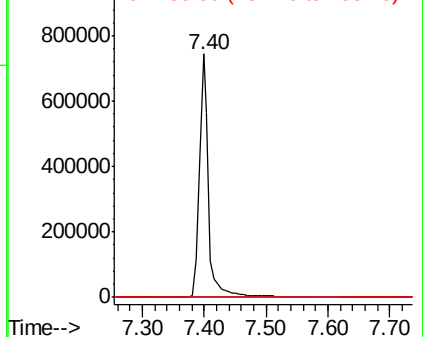
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116085.D

Acq: 8 Aug 2019 23:25

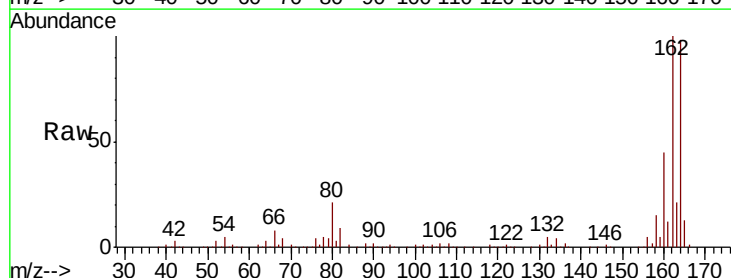
Tgt Ion:164 Resp: 292187

Ion Ratio Lower Upper

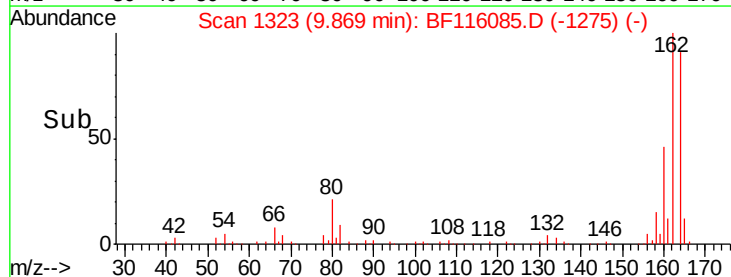
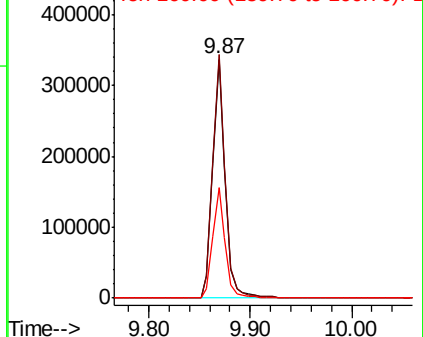
164 100

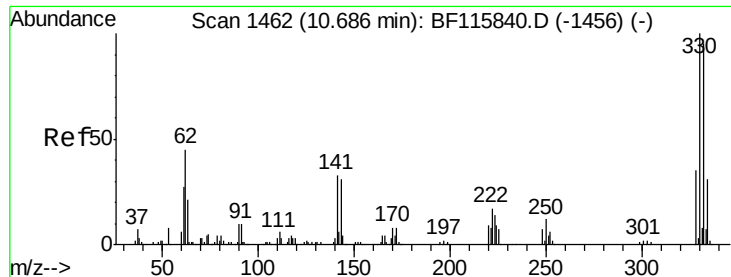
162 102.0 82.6 124.0

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: 115.413 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116085.D

Acq: 8 Aug 2019 23:25

Instrument :

BNA_F

ClientSampleId :

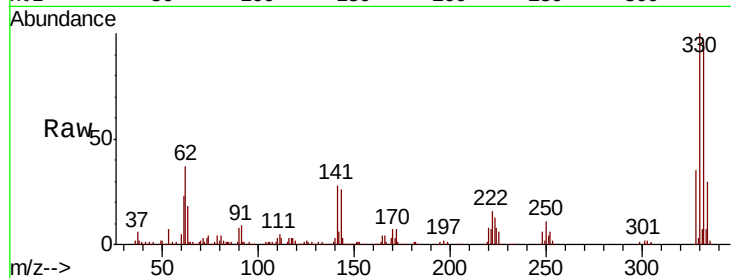
Tot Ion:330 Resp: 326946

Ion Ratio Lower Upper

330 100

332 94.8 76.8 115.2

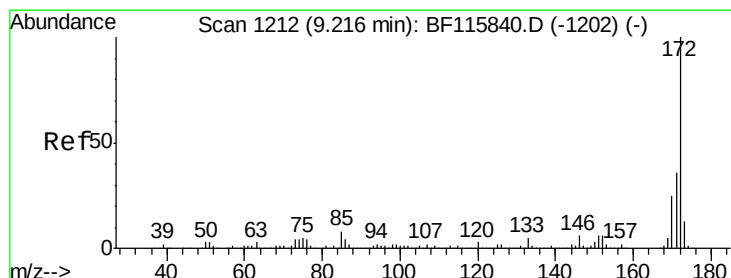
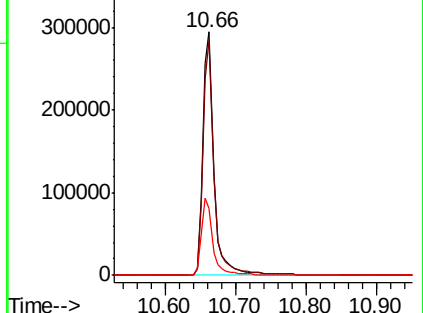
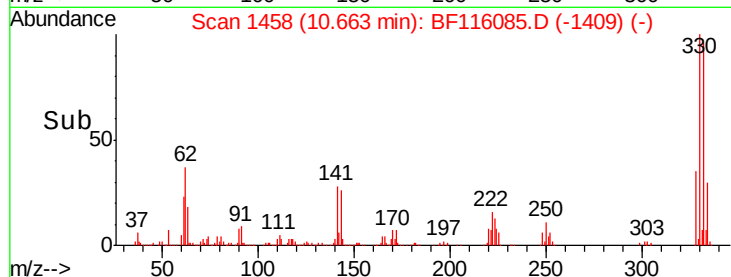
141 33.8 26.3 39.5



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: 84.131 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF116085.D

Acq: 8 Aug 2019 23:25

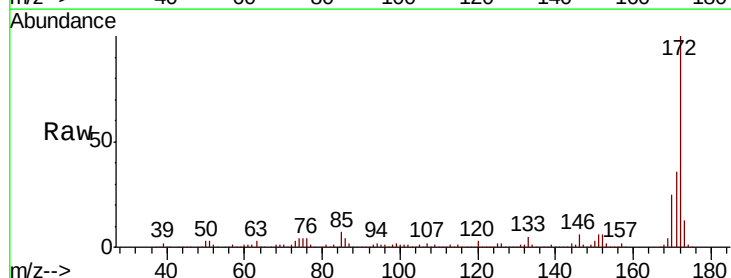
Tgt Ion:172 Resp: 1312381

Ion Ratio Lower Upper

172 100

171 36.5 29.6 44.4

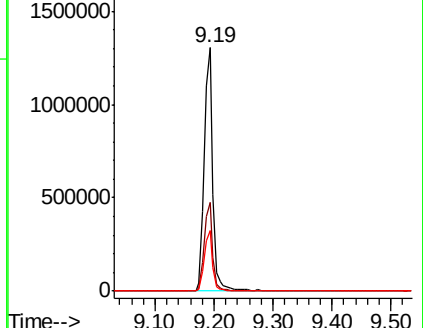
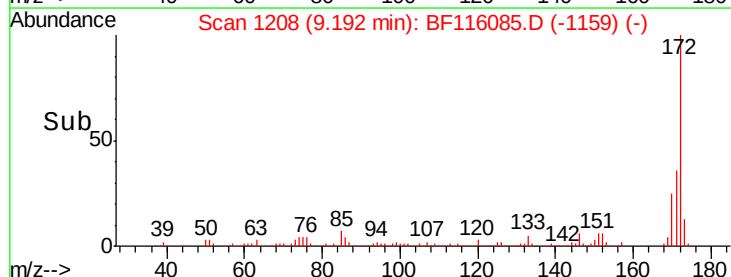
170 25.1 20.1 30.1

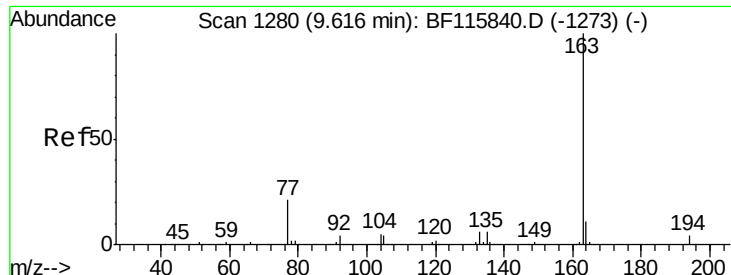


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

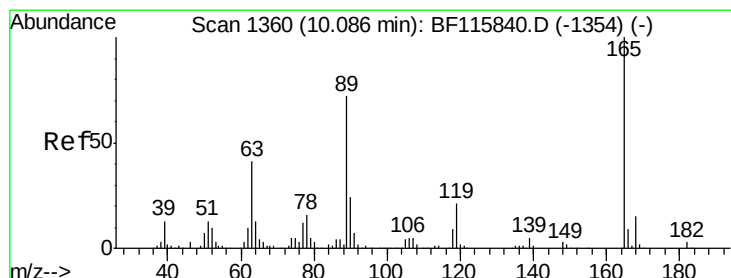
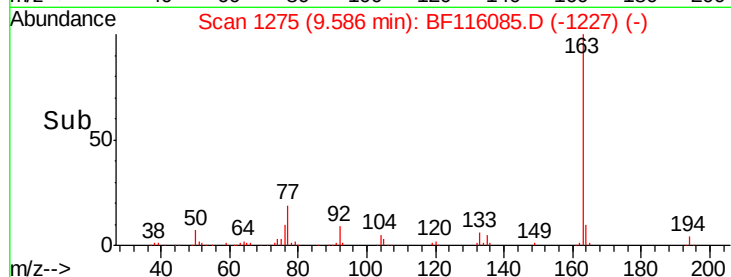
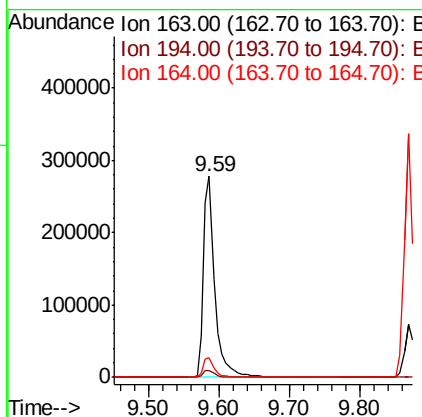
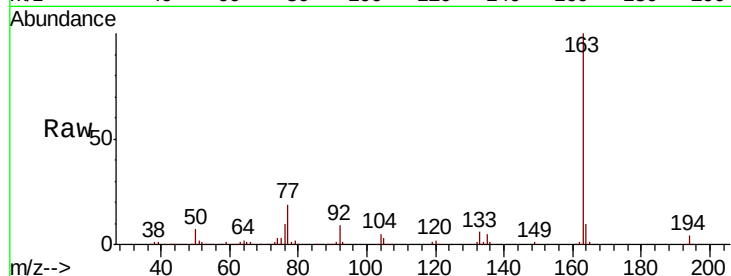




#50
Dimethylphthalate
Concen: 15.652 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116085.D
Acq: 8 Aug 2019 23:25

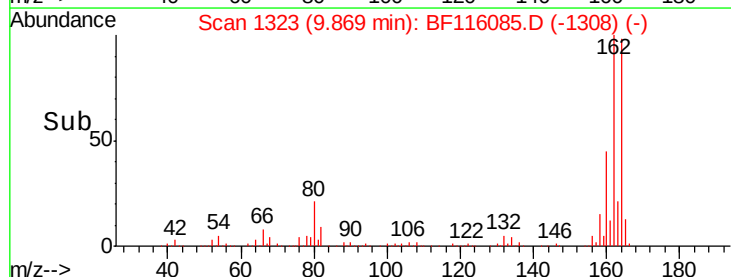
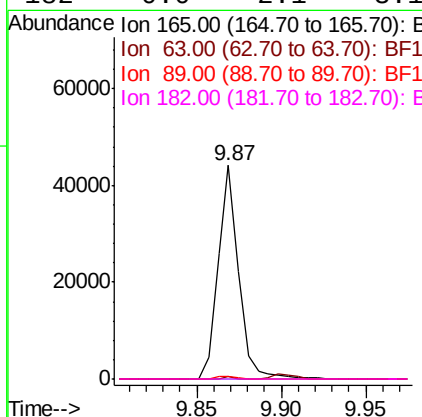
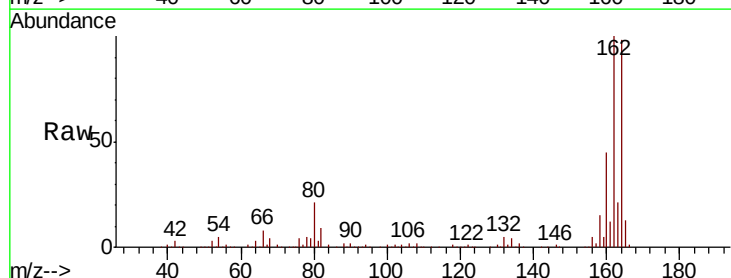
Instrument :
BNA_F
ClientSampled :

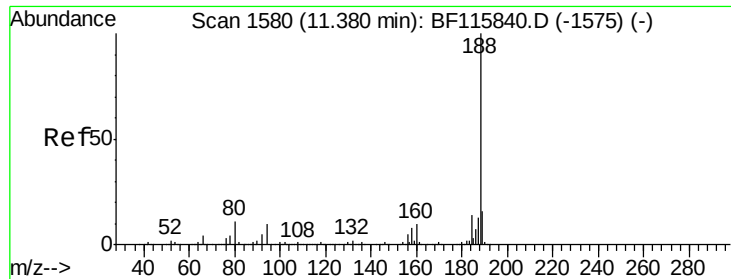
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	9.7	8.4	12.6



#57
2,4-Dinitrotoluene
Concen: 6.522 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.21 min
Lab File: BF116085.D
Acq: 8 Aug 2019 23:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	39.6	59.4#
89	1.3	62.2	93.2#
182	0.0	2.1	3.1#

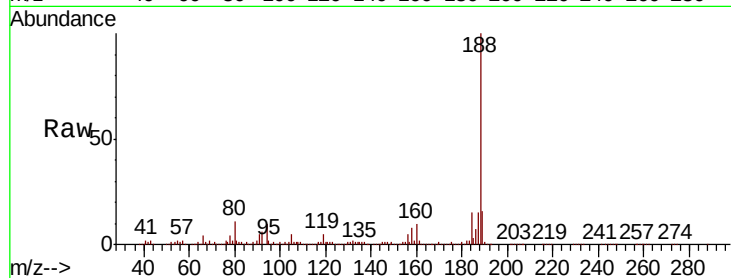




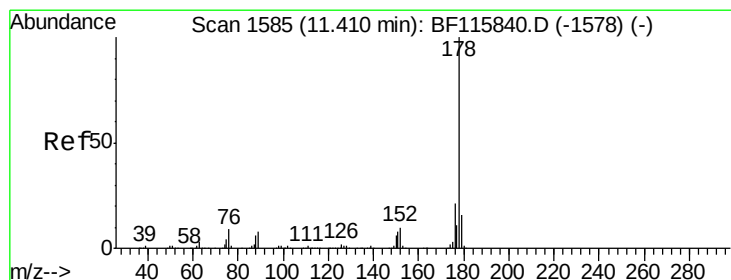
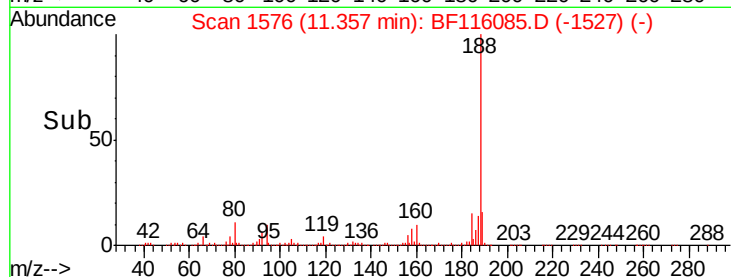
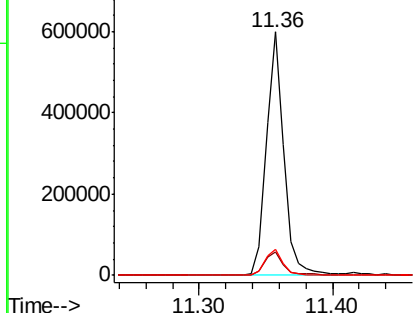
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116085.D
 Acq: 8 Aug 2019 23:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 539213
 Ion Ratio Lower Upper
 188 100
 94 9.8 8.1 12.1
 80 10.9 8.7 13.1

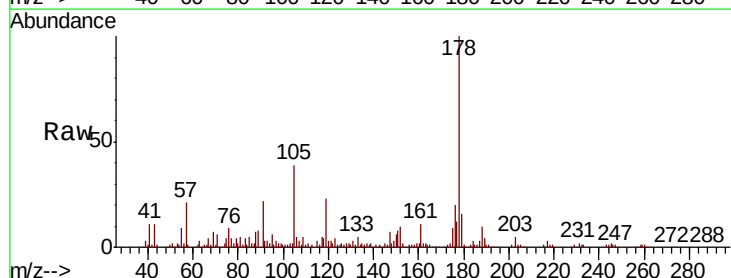


Abundance Ion 188.00 (187.70 to 188.70): E
 800000 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

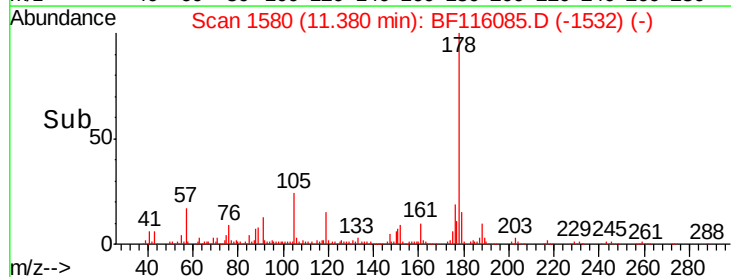
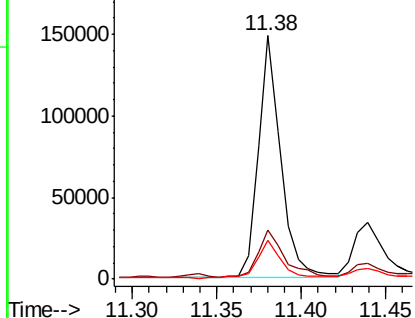


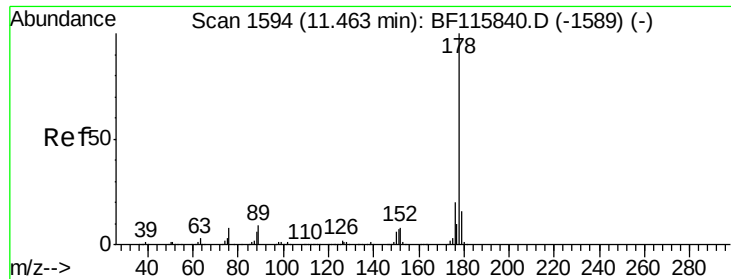
#71
 Phenanthrene
 Concen: 5.044 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.02 min
 Lab File: BF116085.D
 Acq: 8 Aug 2019 23:25

Tgt Ion:178 Resp: 139041
 Ion Ratio Lower Upper
 178 100
 176 20.2 16.6 24.8
 179 15.7 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E
 200000 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

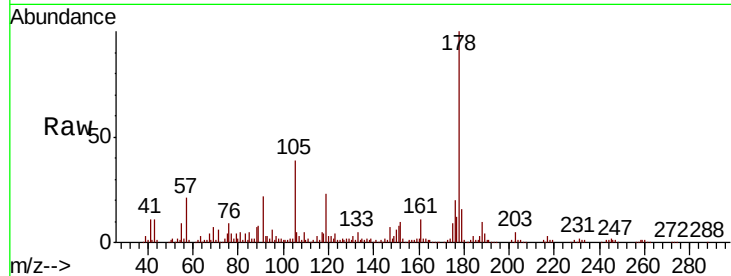




#72
 Anthracene
 Concen: 4.984 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.06 min
 Lab File: BF116085.D
 Acq: 8 Aug 2019 23:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.7	23.5
179	15.7	13.0	19.6

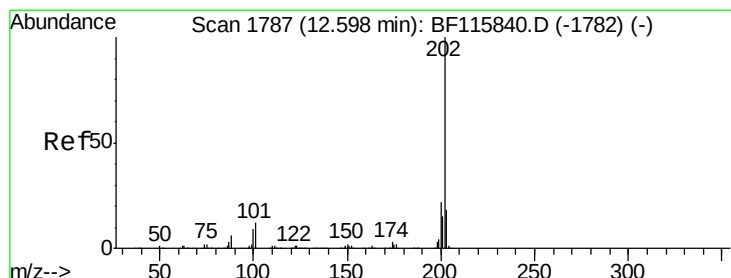
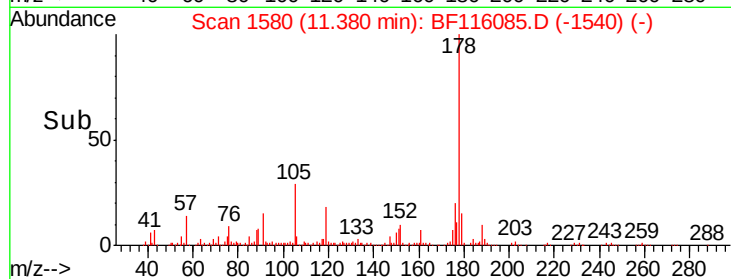
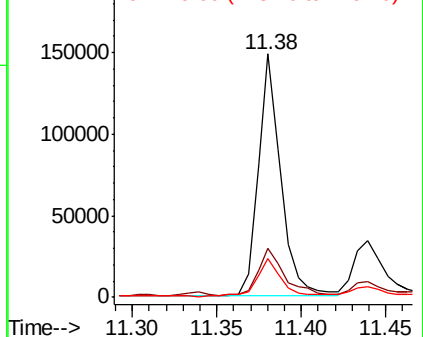


Abundance

Ion 178.00 (177.70 to 178.70): E

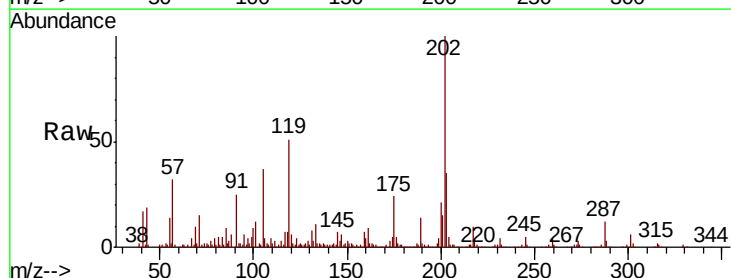
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
 Fluoranthene
 Concen: 8.202 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: BF116085.D
 Acq: 8 Aug 2019 23:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.2
203	34.6	0.0	37.8

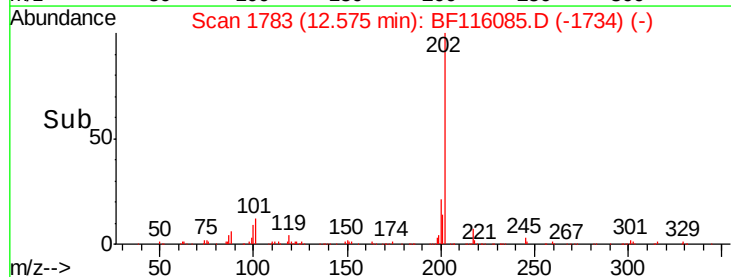
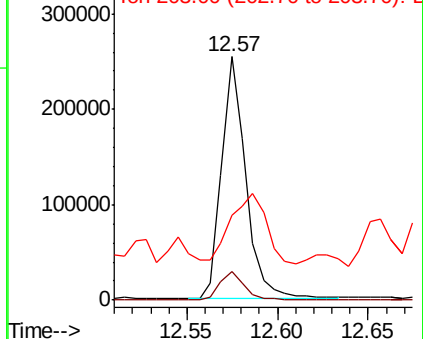


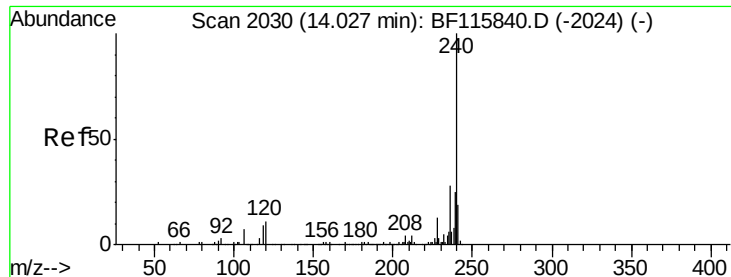
Abundance

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: BF116085.D

Acq: 8 Aug 2019 23:25

Instrument :

BNA_F

ClientSampleId :

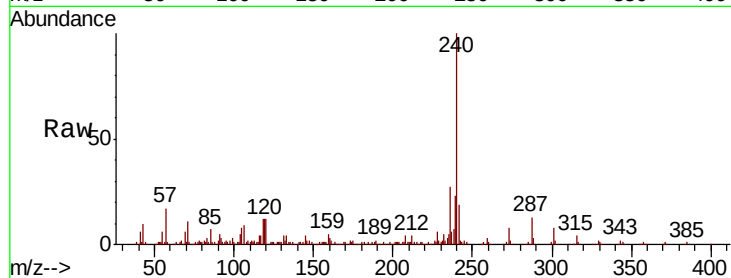
Tot Ion:240 Resp: 403238

Ion Ratio Lower Upper

240 100

120 12.5 10.7 16.1

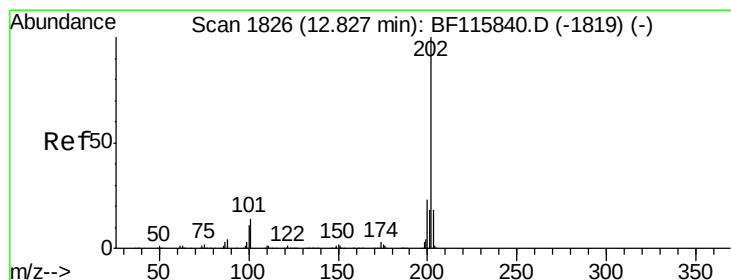
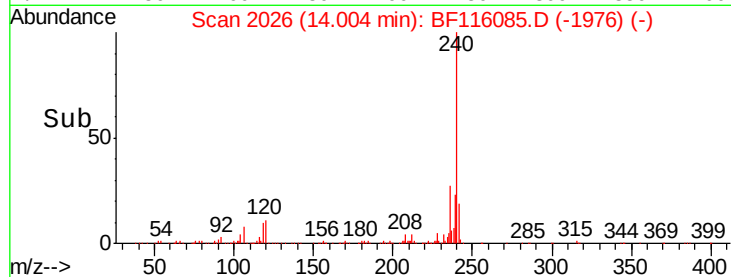
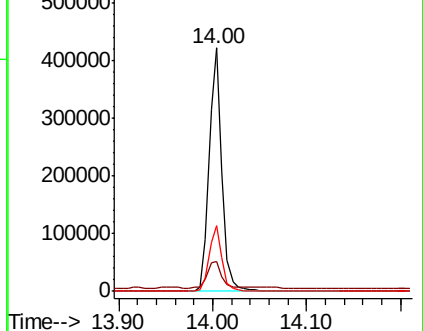
236 27.2 22.2 33.2



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: 6.493 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF116085.D

Acq: 8 Aug 2019 23:25

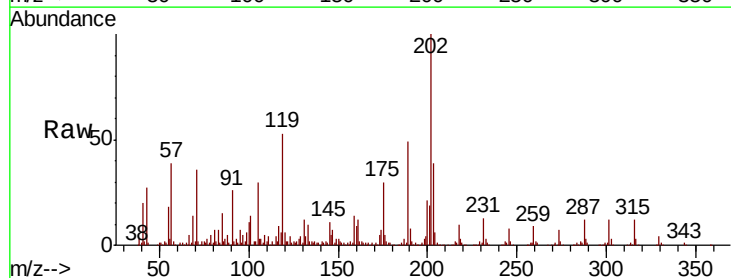
Tgt Ion:202 Resp: 197372

Ion Ratio Lower Upper

202 100

200 21.1 18.0 27.0

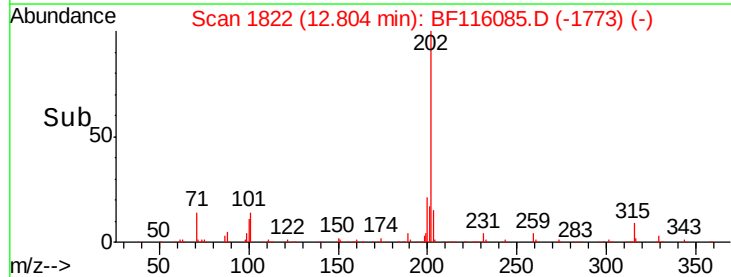
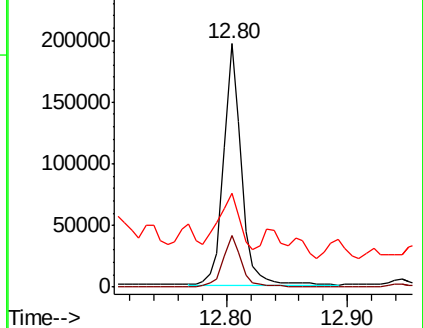
203 38.6 14.1 21.1#

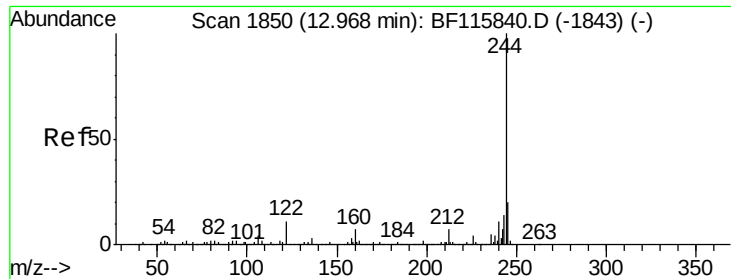


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

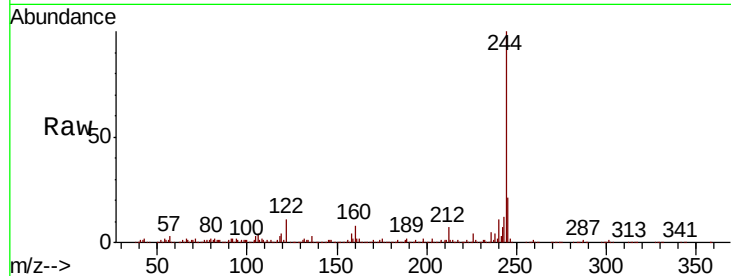




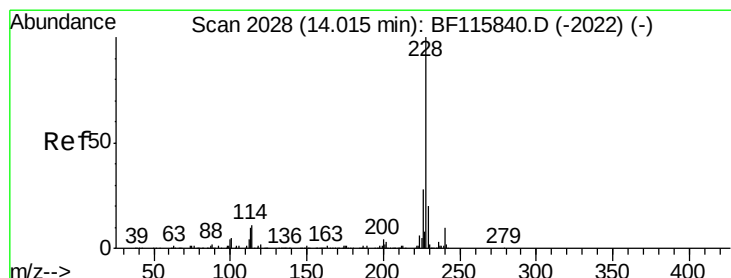
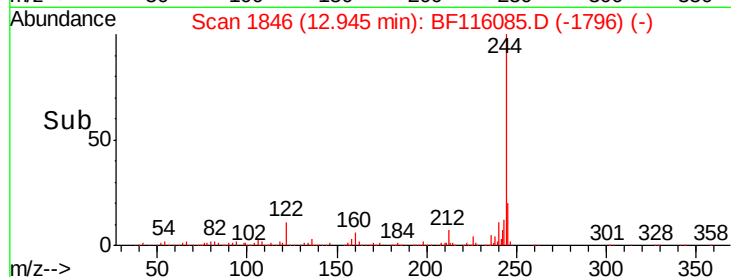
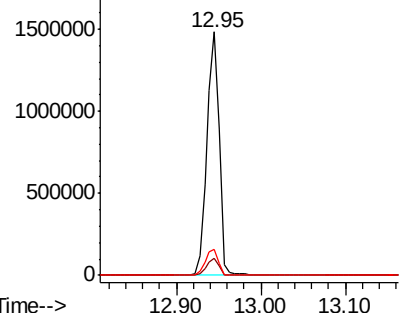
#79
 Terphenyl-d14
 Concen: 79.475 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116085.D
 Acq: 8 Aug 2019 23:25

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1520876
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 10.7 9.0 13.4

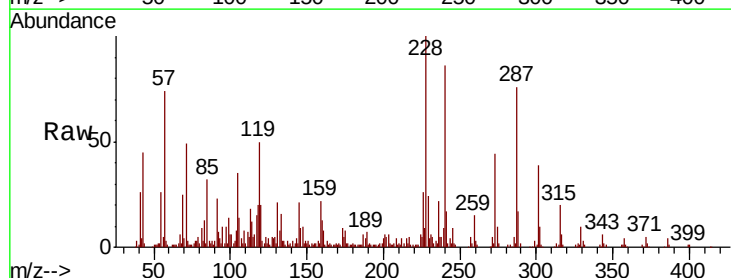


Abundance Ion 244.00 (243.70 to 244.70): E
 2000000 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

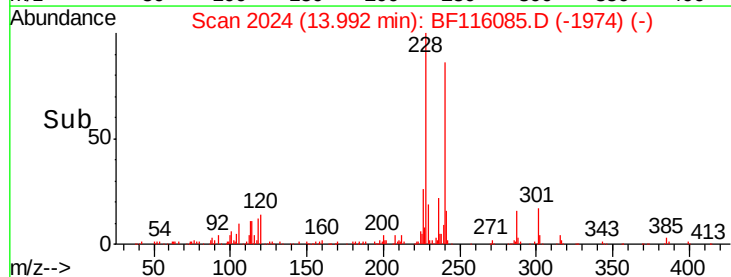
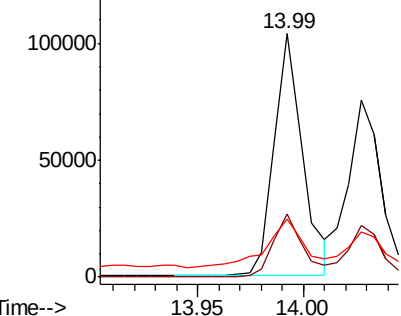


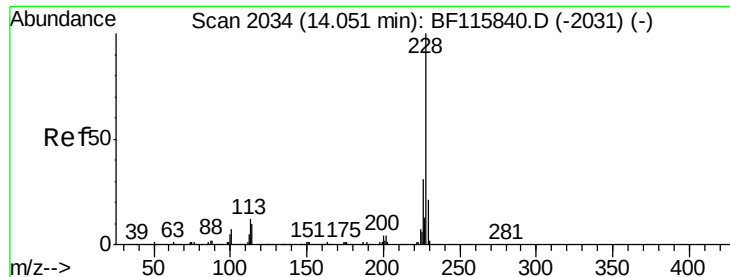
#81
 Benzo(a)anthracene
 Concen: 3.828 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF116085.D
 Acq: 8 Aug 2019 23:25

Tgt Ion:228 Resp: 98661
 Ion Ratio Lower Upper
 228 100
 226 26.1 22.7 34.1
 229 23.9 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E
 100000 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

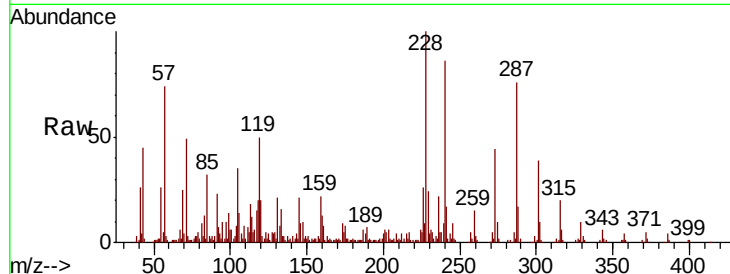




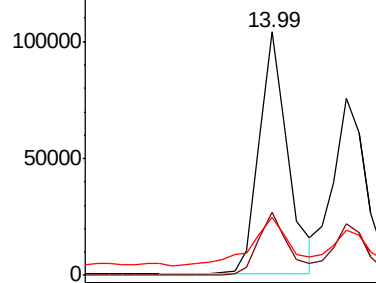
#83
Chrysene
Concen: 3.943 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.05 min
Lab File: BF116085.D
Acq: 8 Aug 2019 23:25

Instrument :
BNA_F
ClientSampled :

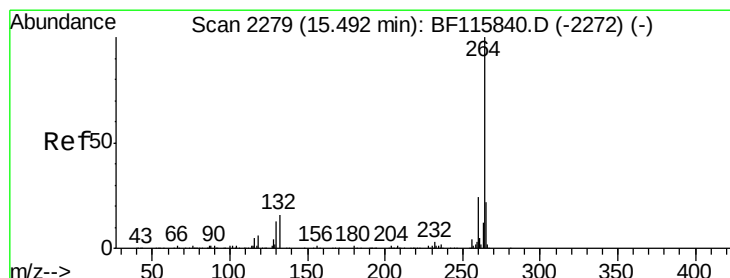
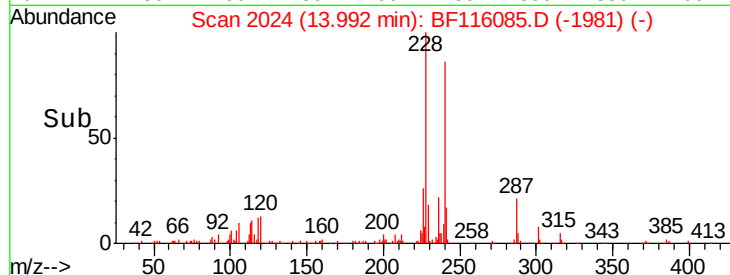
Tot Ion:228 Resp: 98661
Ion Ratio Lower Upper
228 100
226 26.1 25.5 38.3
229 23.9 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

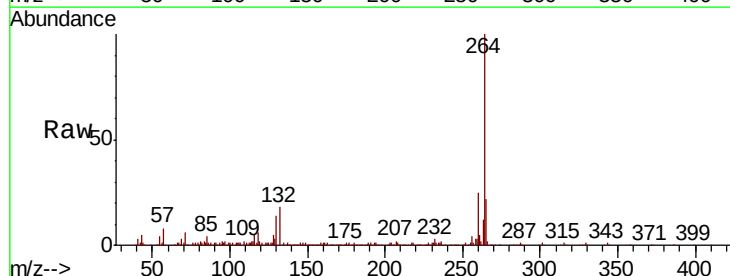


Time-->

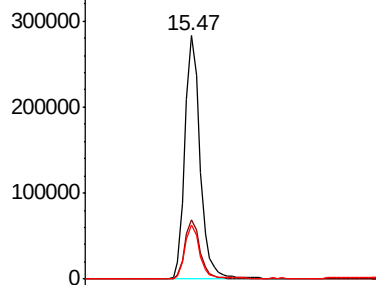


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF116085.D
Acq: 8 Aug 2019 23:25

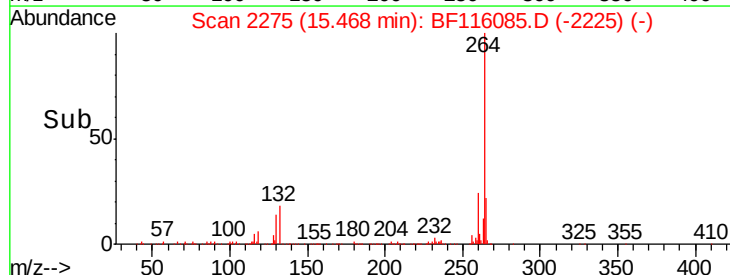
Tgt Ion:264 Resp: 385401
Ion Ratio Lower Upper
264 100
260 24.6 19.7 29.5
265 22.0 17.4 26.0

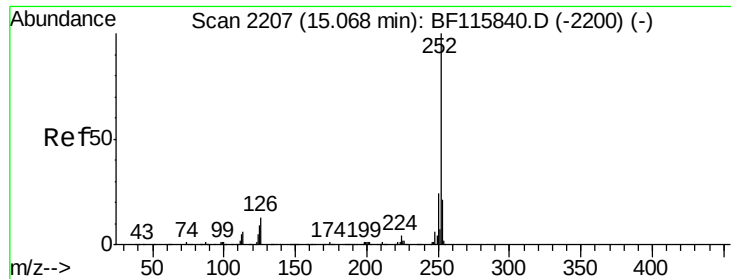


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



Time-->

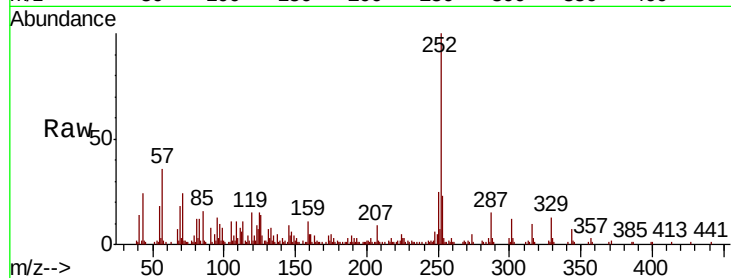




#88
Benzo(b)fluoranthene
Concen: 5.470 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.00 min
Lab File: BF116085.D
Acq: 8 Aug 2019 23:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	14.9	8.4	12.6

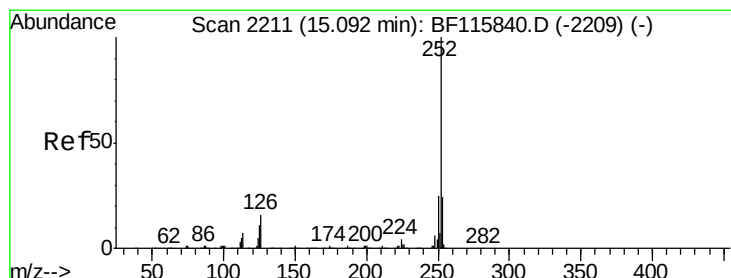
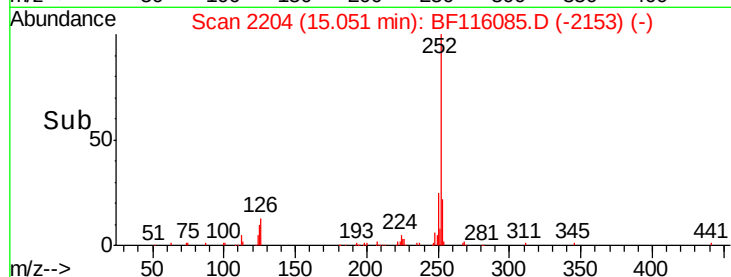
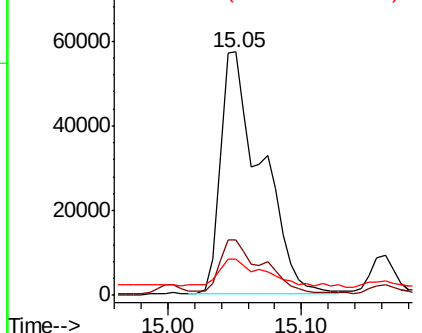


Abundance

Ion 252.00 (251.70 to 252.70): E

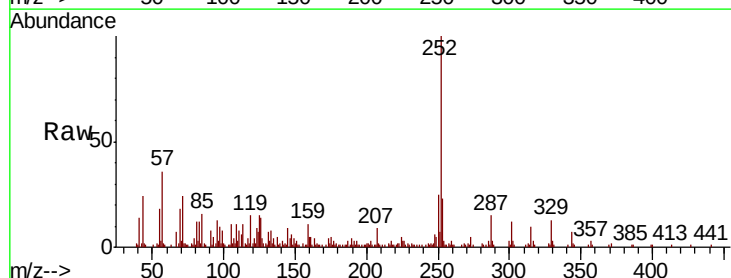
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 5.616 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.03 min
Lab File: BF116085.D
Acq: 8 Aug 2019 23:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	14.9	7.7	11.5

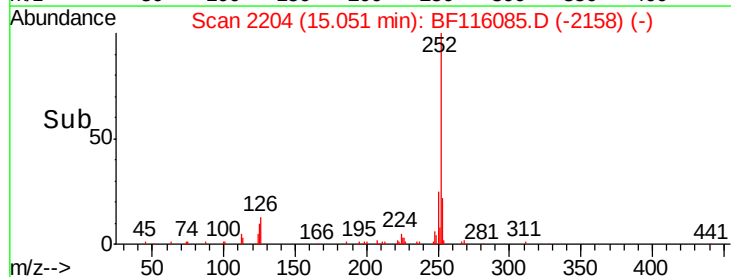
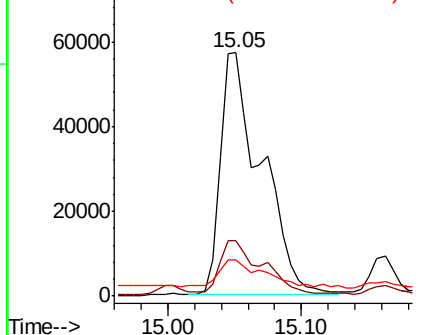


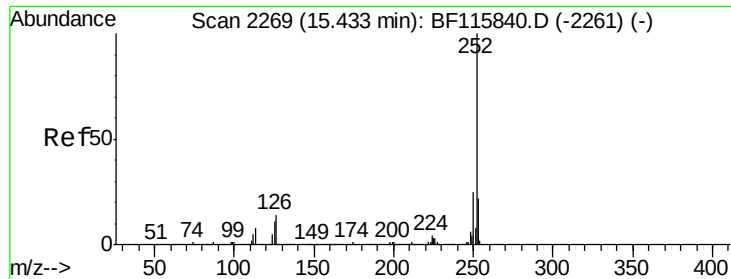
Abundance

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





#90

Benzo(a)pyrene

Concen: 3.078 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BF116085.D

Acq: 8 Aug 2019 23:25

Instrument :

BNA_F

ClientSampleId :

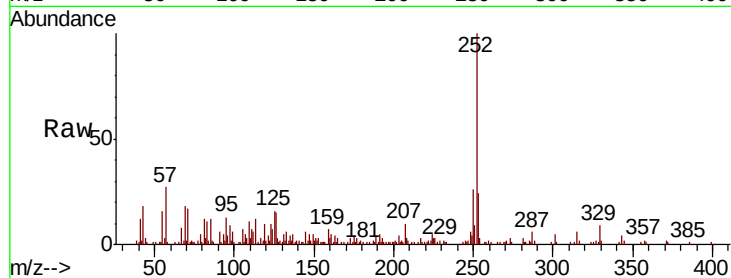
Tot Ion: 252 Resp: 61324

Ion Ratio Lower Upper

252 100

253 24.0 18.0 27.0

125 15.6 8.9 13.3%



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

