

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
 Data File : BF116963.D
 Acq On : 11 Sep 2019 22:54
 Operator : HP/JU
 Sample : K4819-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 12 07:07:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 17:49:40 2019
 Response via : Initial Calibration

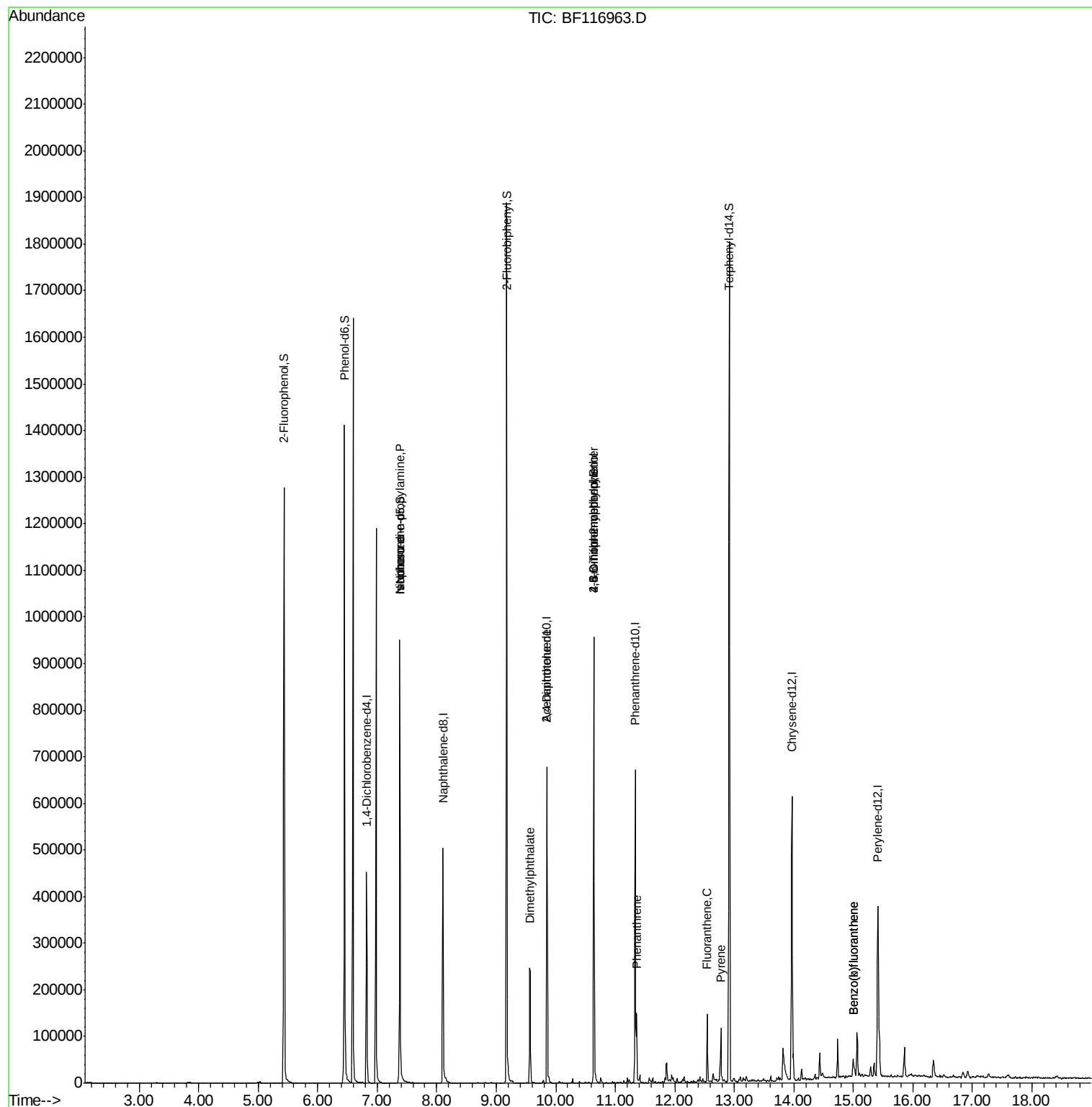
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	66337	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	272125	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	142584	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	236638	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	185249	20.00	ng	-0.02
87) Perylene-d12	15.41	264	176374	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	379706	92.73	ng	-0.02
7) Phenol-d6	6.45	99	527934	98.19	ng	-0.02
23) Nitrobenzene-d5	7.38	82	328508	68.92	ng	-0.02
42) 2,4,6-Tribromophenol	10.64	330	102392	107.42	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	548767	64.92	ng	-0.02
79) Terphenyl-d14	12.92	244	545762	54.50	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	41790	11.804	ng	# 72
25) Isophorone	7.38	82	328505	34.009	ng	# 66
50) Dimethylphthalate	9.57	163	108760	11.048	ng	97
57) 2,4-Dinitrotoluene	9.85	165	17932	7.808	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.64	198	116	7.564	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	6452	2.684	ng	# 1
71) Phenanthrene	11.36	178	51379	3.900	ng	97
75) Fluoranthene	12.54	202	60842	4.700	ng	99
78) Pyrene	12.77	202	52566	3.192	ng	99
88) Benzo(b)fluoranthene	14.99	252	28561	2.678	ng	96
89) Benzo(k)fluoranthene	14.99	252	28561	2.938	ng	97

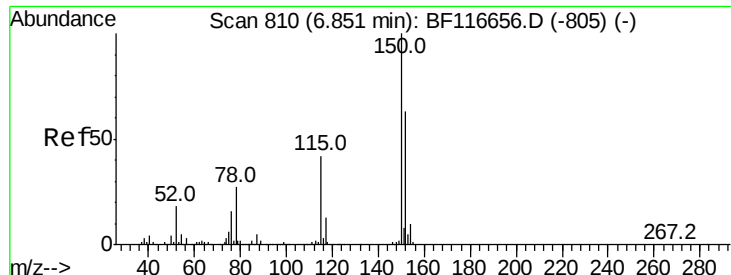
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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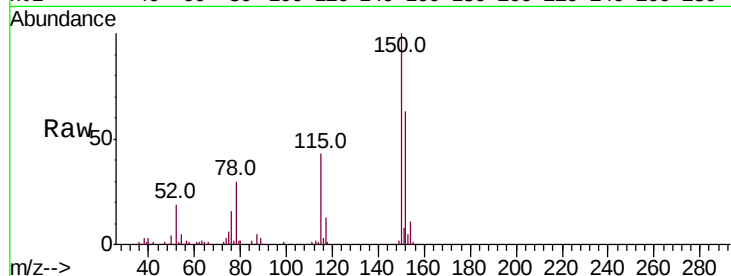


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF116963.D
Acq: 11 Sep 2019 22:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.4	186.6
115	67.5	49.9	74.9

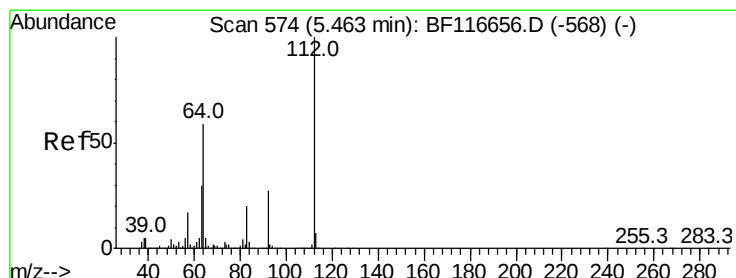
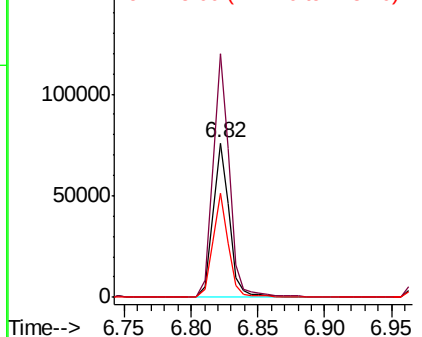
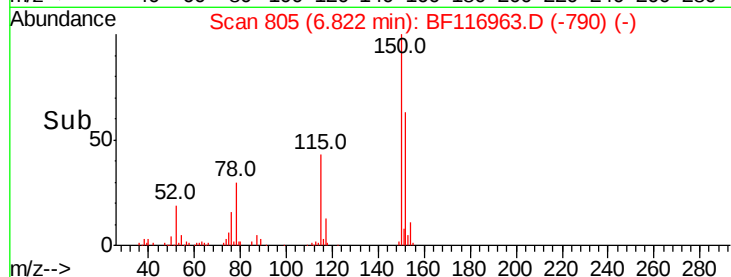


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

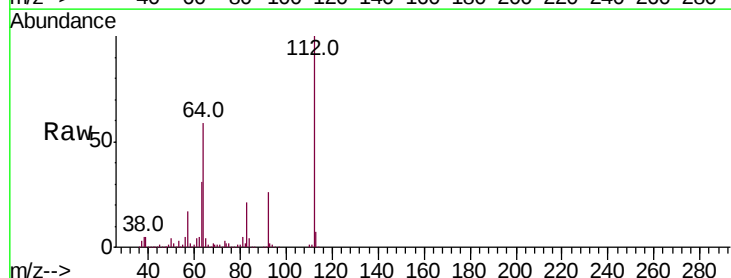
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 92.730 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.02 min
Lab File: BF116963.D
Acq: 11 Sep 2019 22:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	47.1	70.7
63	31.0	24.9	37.3

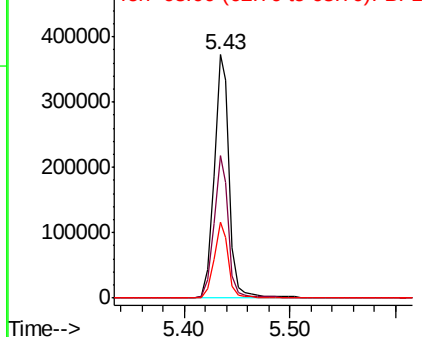
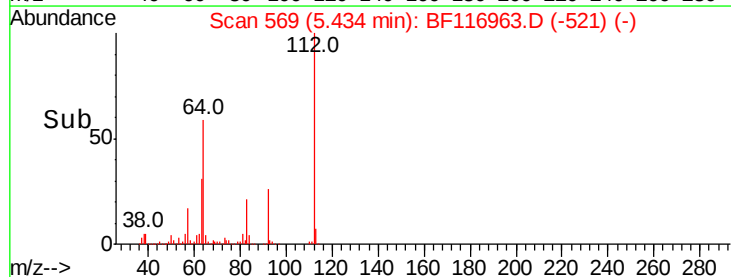


Abundance

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: 98.187 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.02 min

Lab File: BF116963.D

Acq: 11 Sep 2019 22:54

Instrument :

BNA_F

ClientSampleId :

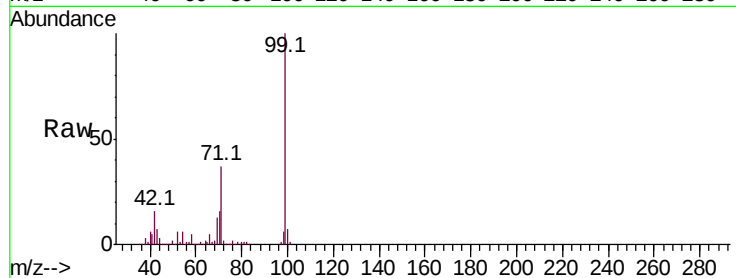
Tot Ion: 99 Resp: 527934

Ion Ratio Lower Upper

99 100

42 15.7 13.7 20.5

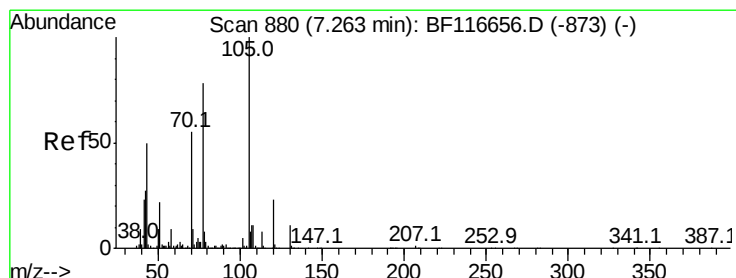
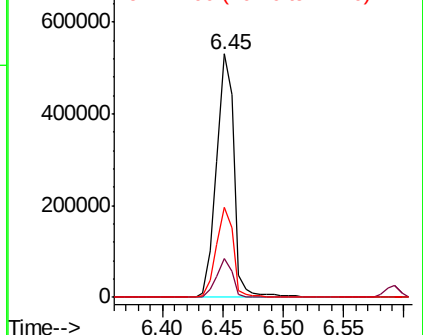
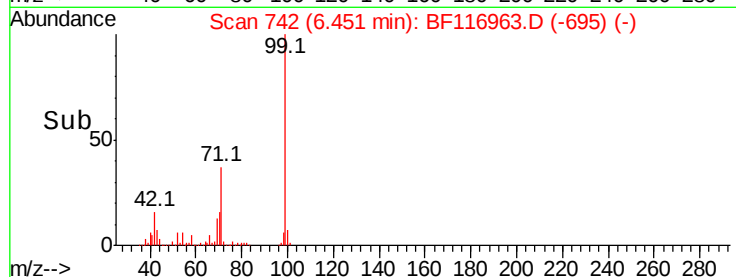
71 37.2 30.8 46.2



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: 11.804 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.13 min

Lab File: BF116963.D

Acq: 11 Sep 2019 22:54

Tgt Ion: 70 Resp: 41790

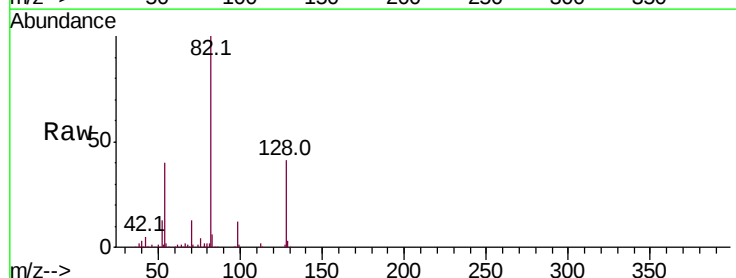
Ion Ratio Lower Upper

70 100

42 37.8 43.5 65.3#

101 0.0 7.8 11.6#

130 1.8 16.6 24.8#

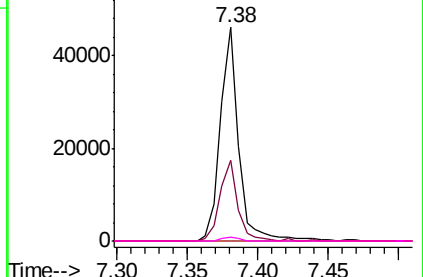
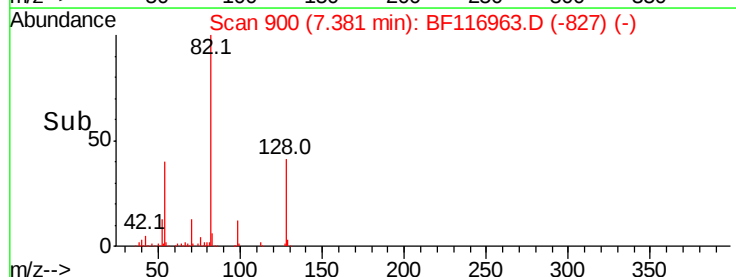


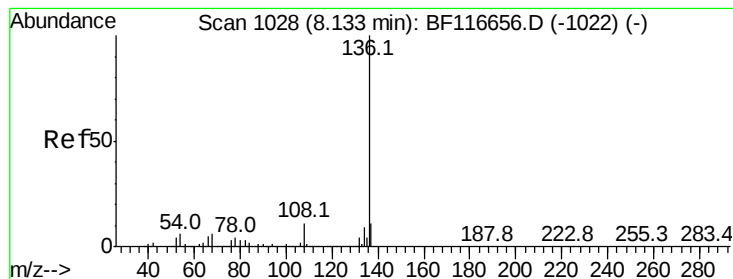
Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 1023

Delta R.T. -0.02 min

Lab File: BF116963.D

Acq: 11 Sep 2019 22:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 272125

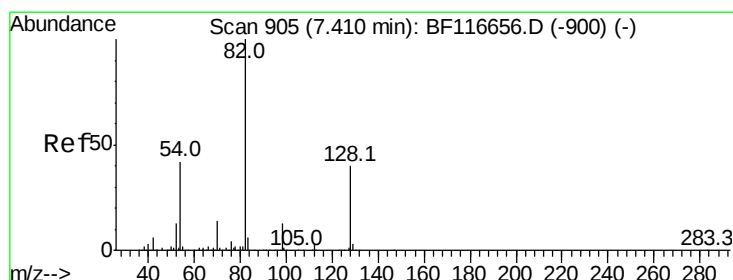
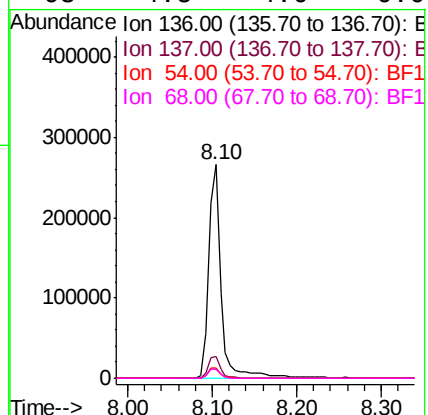
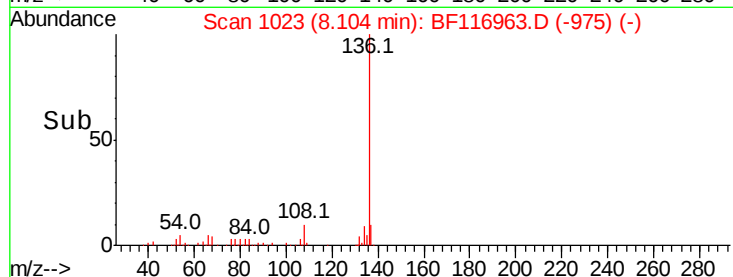
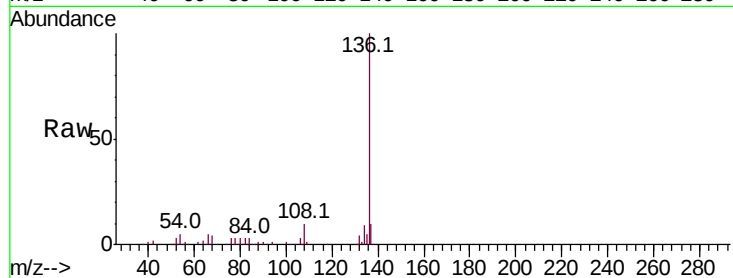
Ion Ratio Lower Upper

136 100

137 10.0 8.9 13.3

54 4.8 4.8 7.2

68 4.5 4.0 6.0



#23

Nitrobenzene-d5

Concen: 68.916 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.02 min

Lab File: BF116963.D

Acq: 11 Sep 2019 22:54

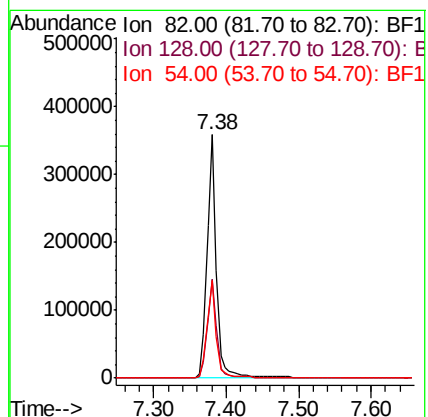
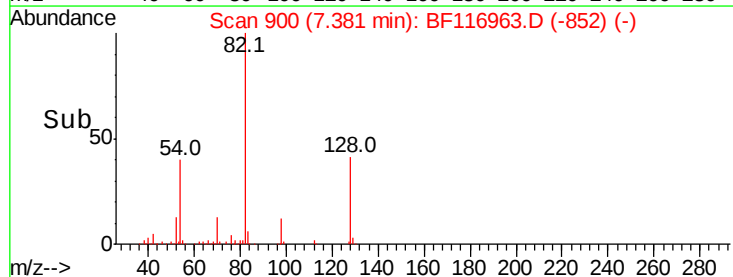
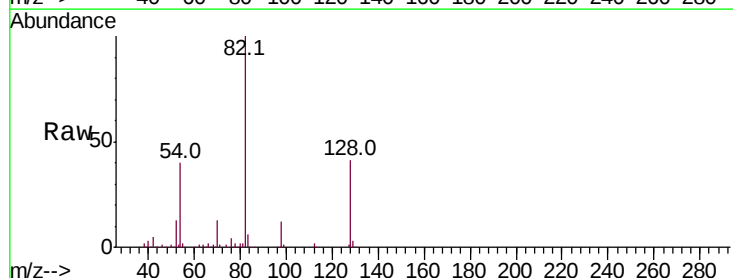
Tgt Ion: 82 Resp: 328508

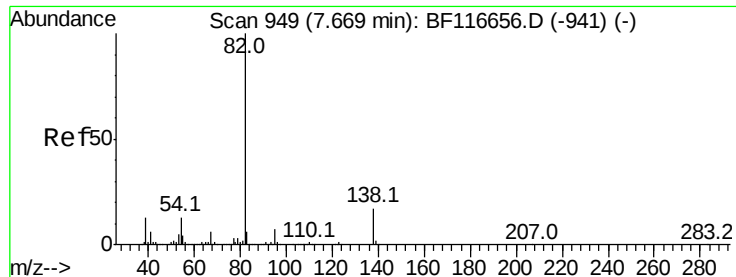
Ion Ratio Lower Upper

82 100

128 40.8 32.8 49.2

54 40.2 36.9 55.3





#25

Isophorone

Concen: 34.009 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.28 min

Lab File: BF116963.D

Acq: 11 Sep 2019 22:54

Instrument :

BNA_F

ClientSampleId :

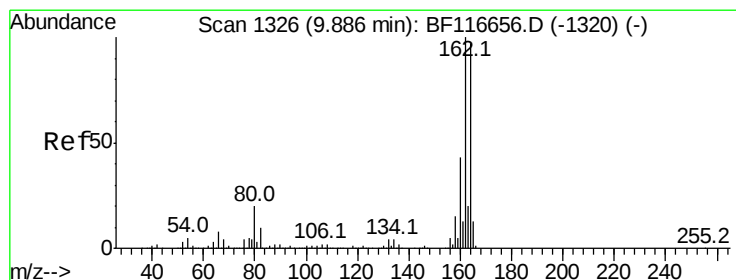
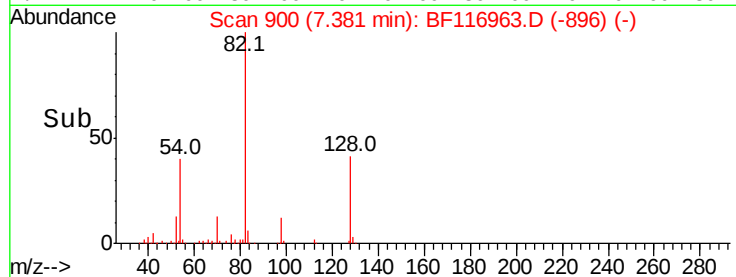
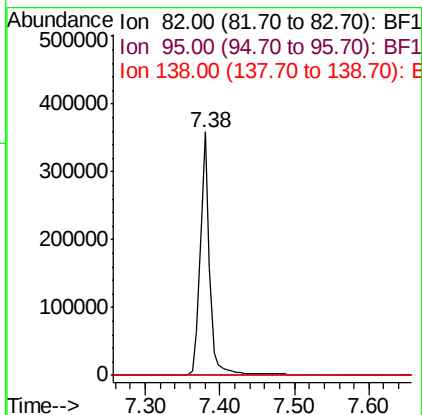
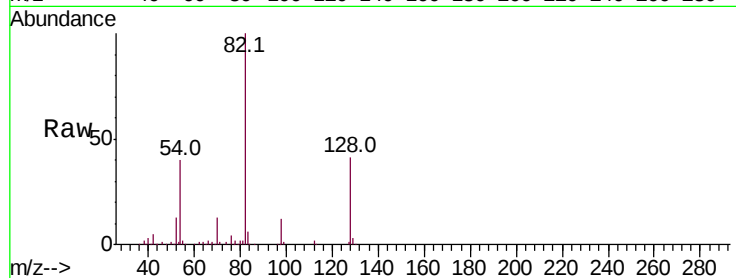
Tot Ion: 82 Resp: 328505

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 13.5 20.3#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.02 min

Lab File: BF116963.D

Acq: 11 Sep 2019 22:54

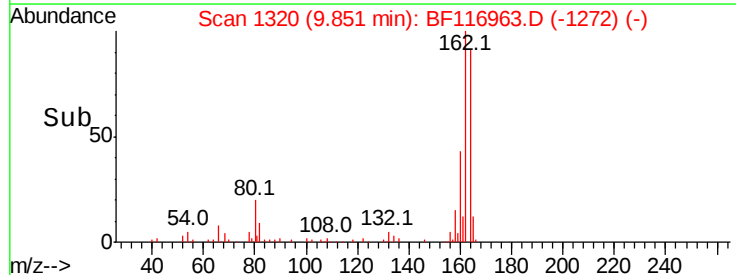
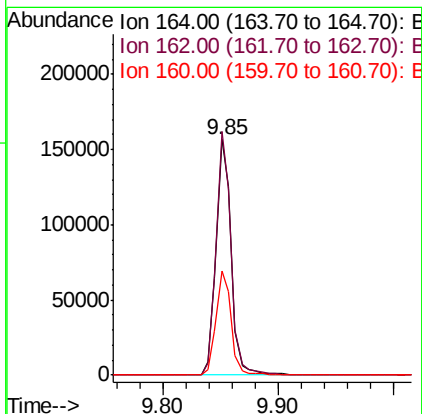
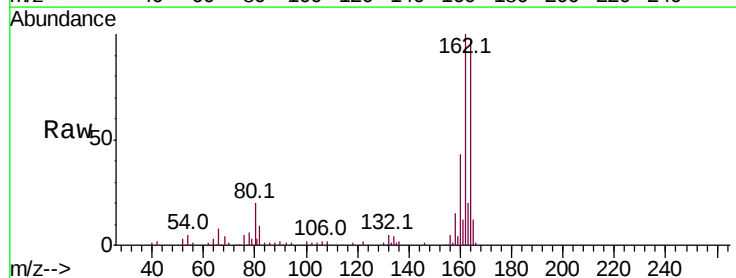
Tgt Ion: 164 Resp: 142584

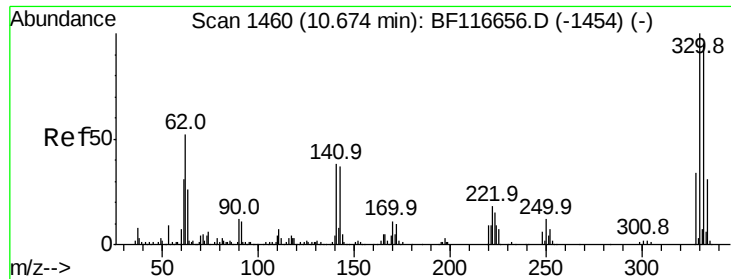
Ion Ratio Lower Upper

164 100

162 103.4 81.4 122.0

160 44.4 35.4 53.2

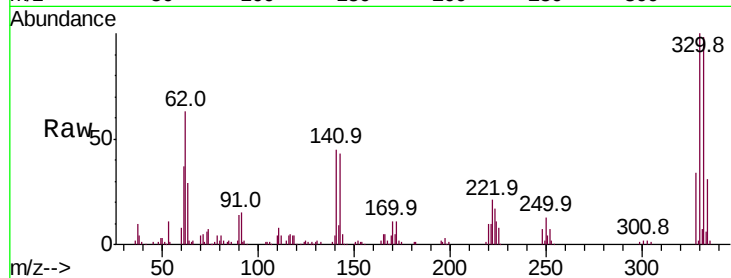




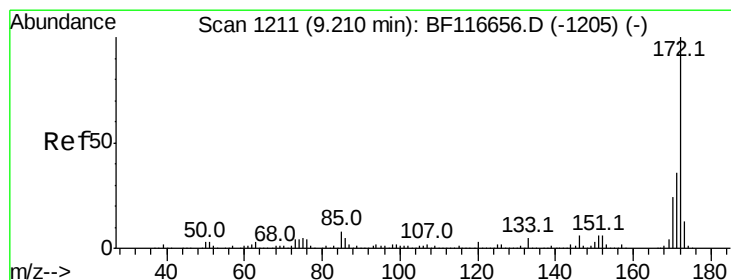
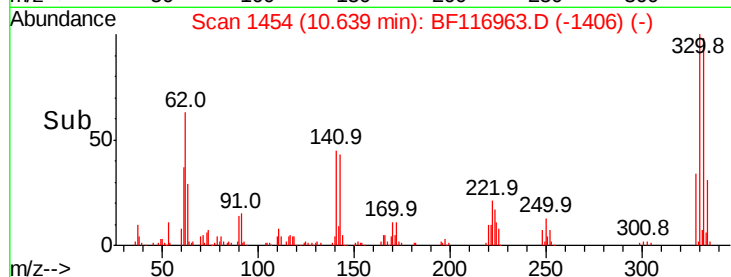
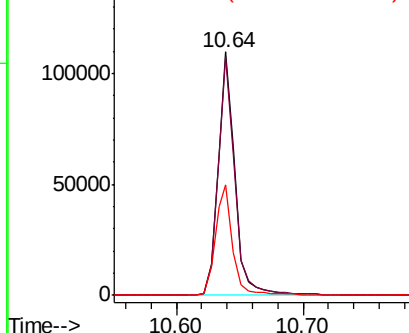
#42
 2,4,6-Tribromophenol
 Concen: 107.419 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: BF116963.D
 Acq: 11 Sep 2019 22:54

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.3	76.9	115.3
141	46.4	31.4	47.2

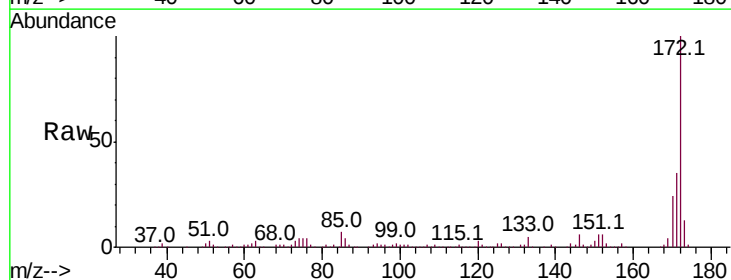


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

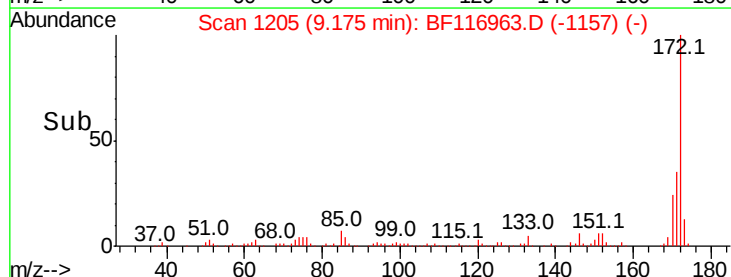
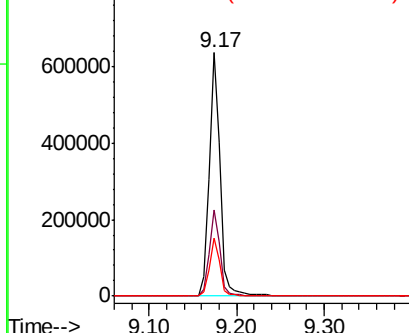


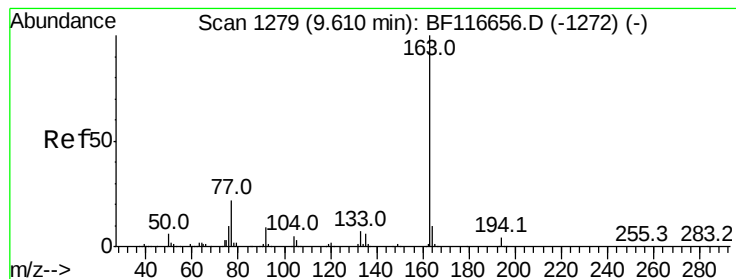
#45
 2-Fluorobiphenyl
 Concen: 64.924 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: BF116963.D
 Acq: 11 Sep 2019 22:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	27.8	41.6
170	24.0	18.9	28.3



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: 11.048 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.02 min

Lab File: BF116963.D

Acq: 11 Sep 2019 22:54

Instrument :

BNA_F

ClientSampleId :

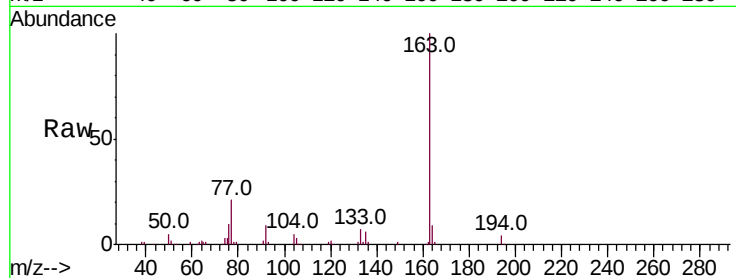
Tot Ion:163 Resp: 108760

Ion Ratio Lower Upper

163 100

194 3.9 2.8 4.2

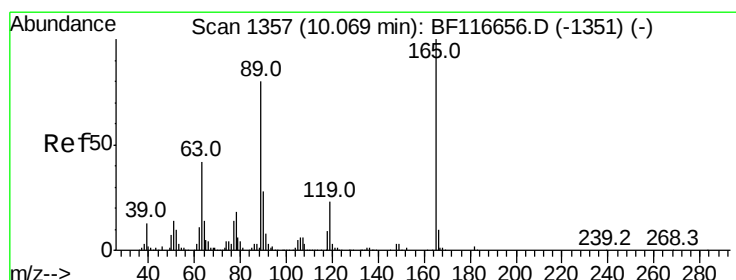
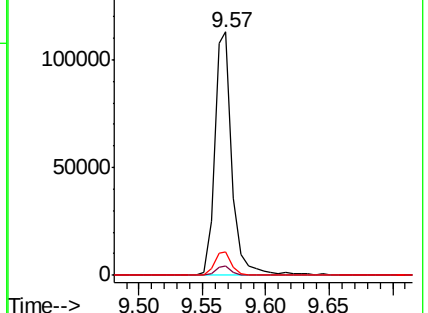
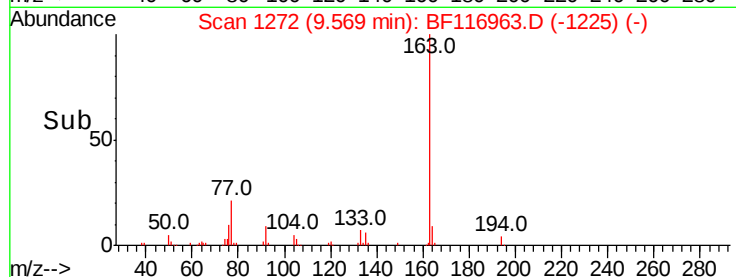
164 9.4 8.6 12.8



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



#57

2,4-Dinitrotoluene

Concen: 7.808 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.21 min

Lab File: BF116963.D

Acq: 11 Sep 2019 22:54

Tgt Ion:165 Resp: 17932

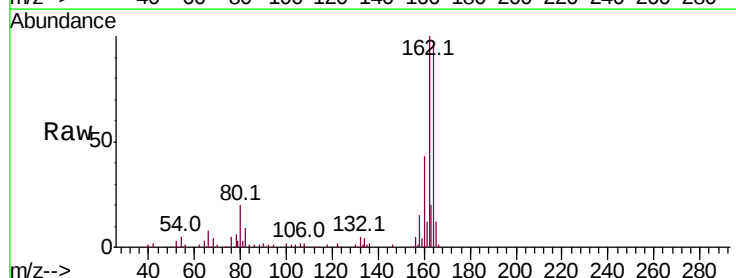
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 62.6 94.0#

182 0.0 2.1 3.1#

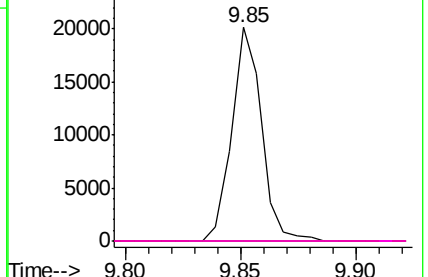
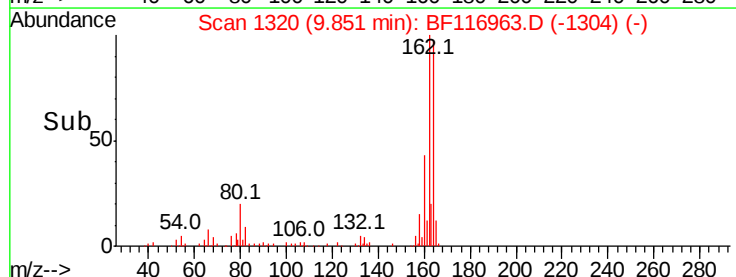


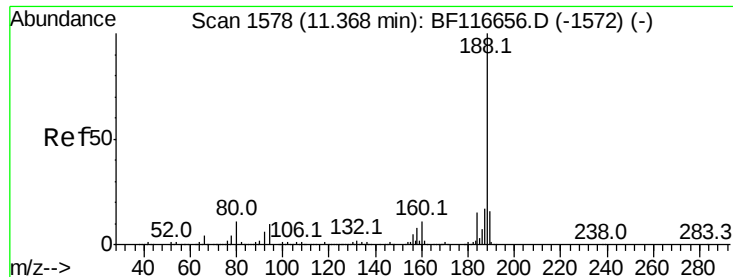
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.33 min Scan# 1572

Delta R.T. -0.02 min

Lab File: BF116963.D

Acq: 11 Sep 2019 22:54

Instrument :

BNA_F

ClientSampleId :

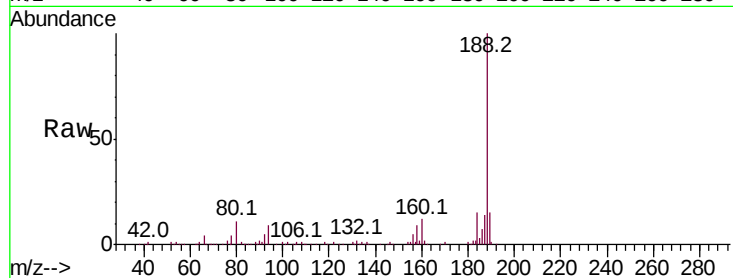
Tot Ion:188 Resp: 236638

Ion Ratio Lower Upper

188 100

94 9.3 7.3 10.9

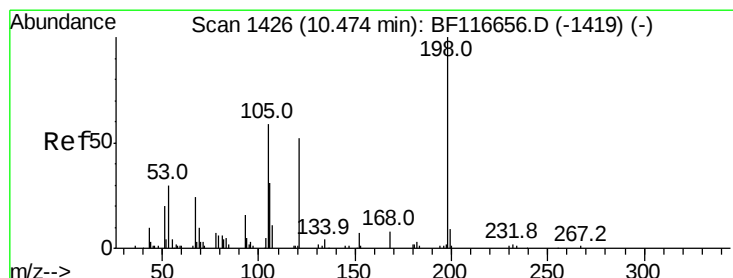
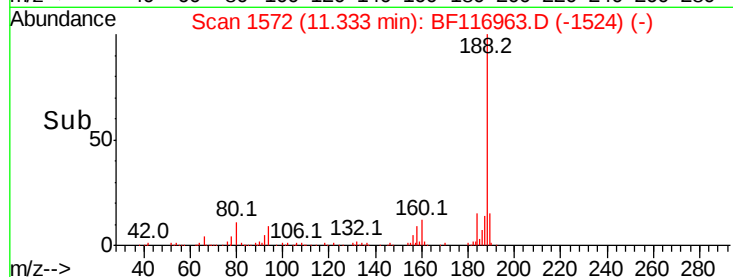
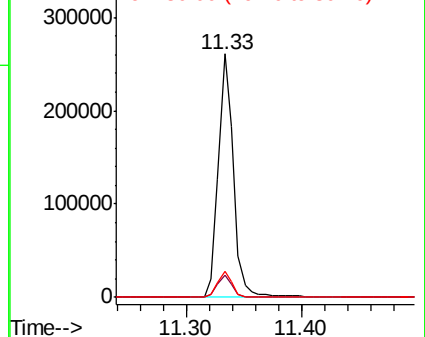
80 10.7 8.4 12.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.564 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.17 min

Lab File: BF116963.D

Acq: 11 Sep 2019 22:54

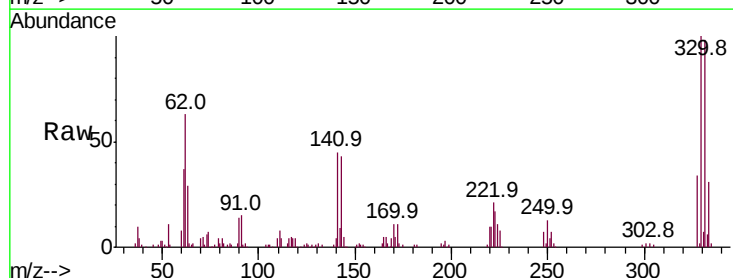
Tgt Ion:198 Resp: 116

Ion Ratio Lower Upper

198 100

51 216.5 18.4 58.4#

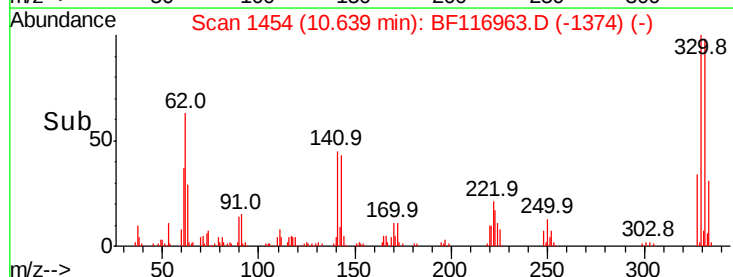
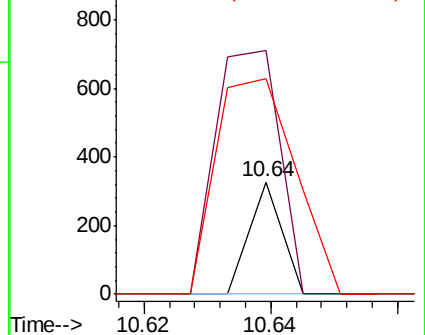
105 191.5 22.9 62.9#

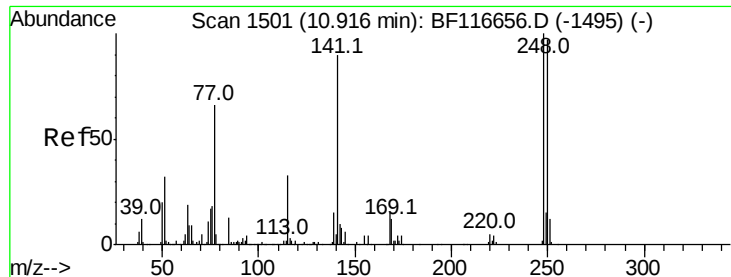


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 2.684 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.26 min

Lab File: BF116963.D

Acq: 11 Sep 2019 22:54

Instrument :

BNA_F

ClientSampleId :

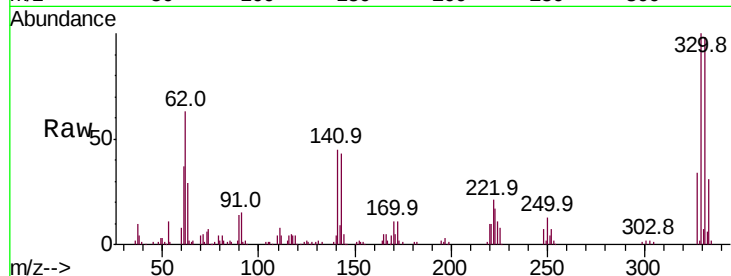
Tot Ion:248 Resp: 6452

Ion Ratio Lower Upper

248 100

250 194.2 77.8 116.8#

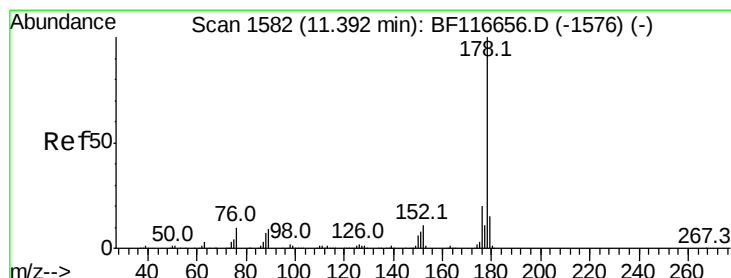
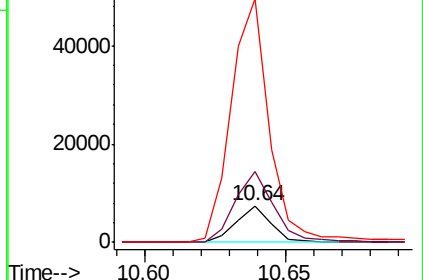
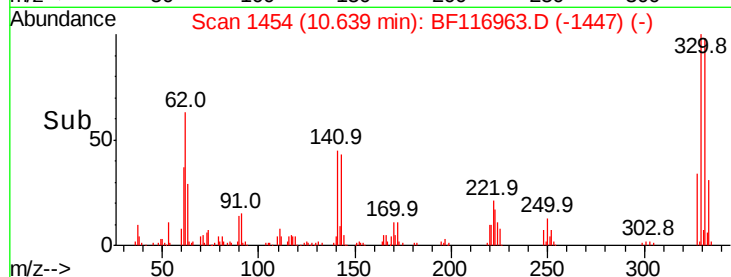
141 671.9 75.9 113.9#



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: 3.900 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.02 min

Lab File: BF116963.D

Acq: 11 Sep 2019 22:54

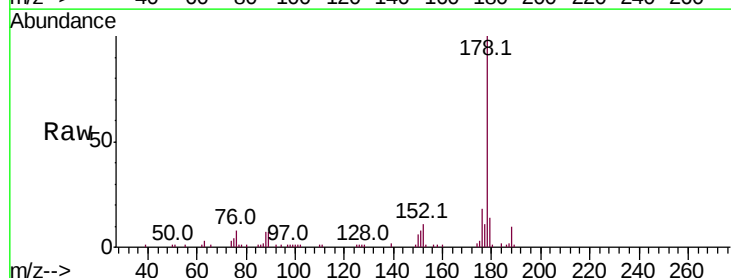
Tgt Ion:178 Resp: 51379

Ion Ratio Lower Upper

178 100

176 17.7 15.4 23.0

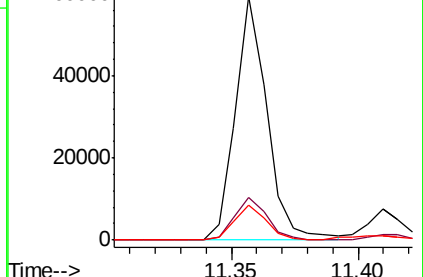
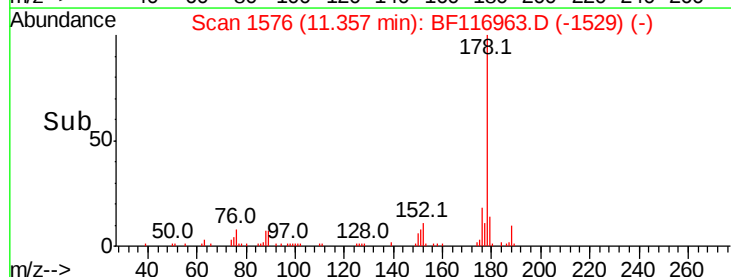
179 14.4 12.2 18.2

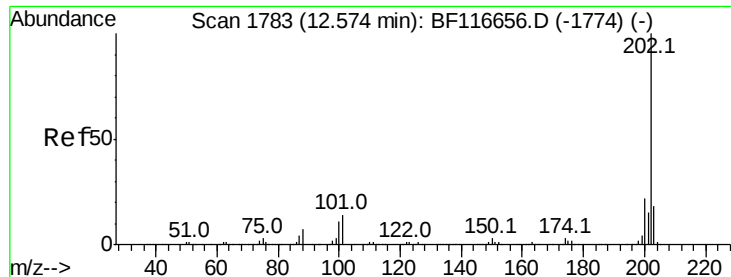


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 4.700 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.02 min

Lab File: BF116963.D

Acq: 11 Sep 2019 22:54

Instrument :

BNA_F

ClientSampleId :

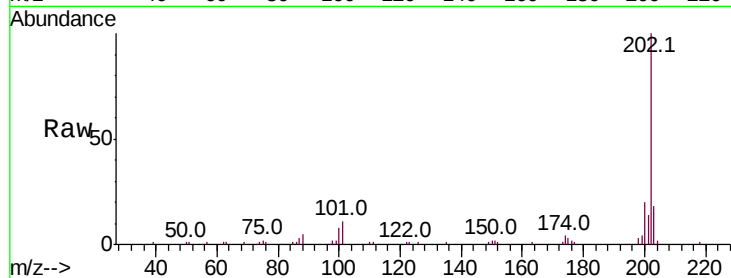
Tot Ion:202 Resp: 60842

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.3

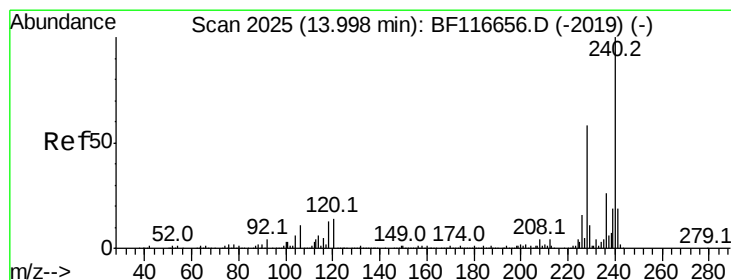
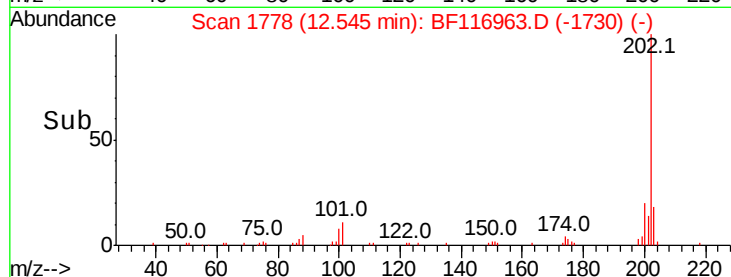
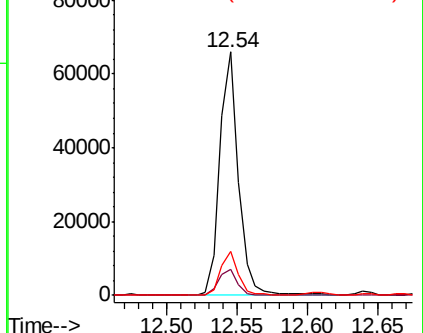
203 18.2 0.0 37.6



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: 13.97 min Scan# 2020

Delta R.T. -0.02 min

Lab File: BF116963.D

Acq: 11 Sep 2019 22:54

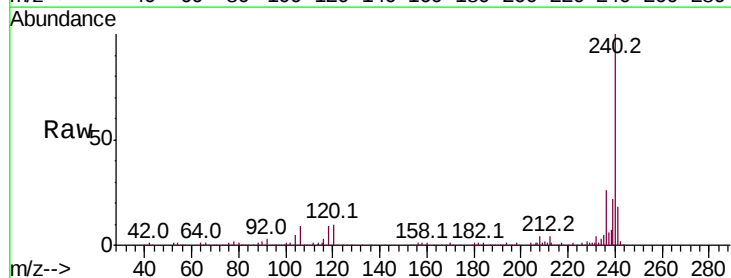
Tgt Ion:240 Resp: 185249

Ion Ratio Lower Upper

240 100

120 10.3 9.1 13.7

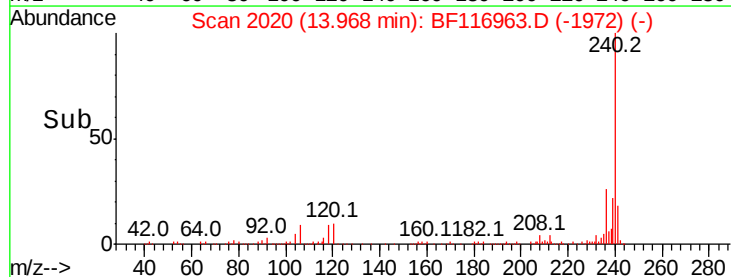
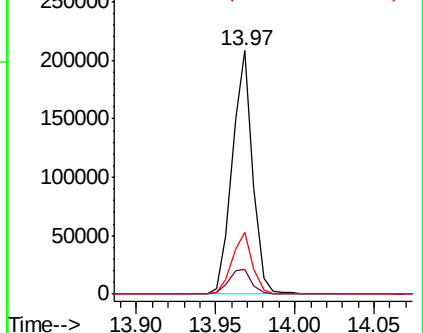
236 25.5 21.1 31.7

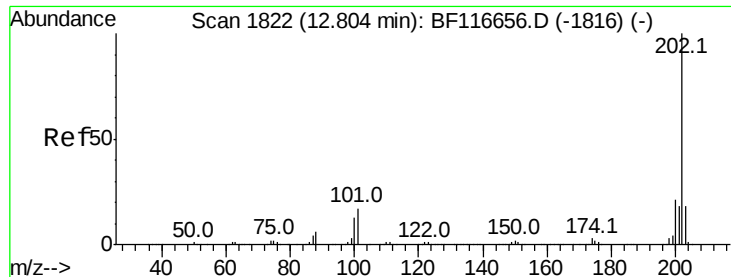


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

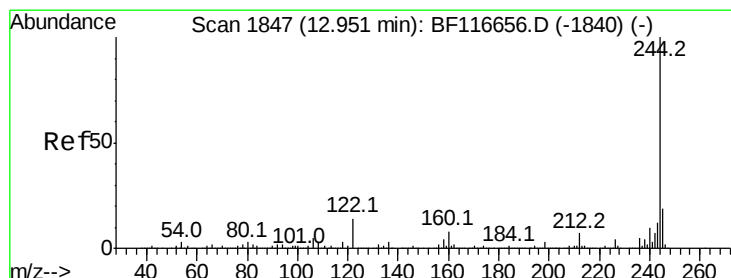
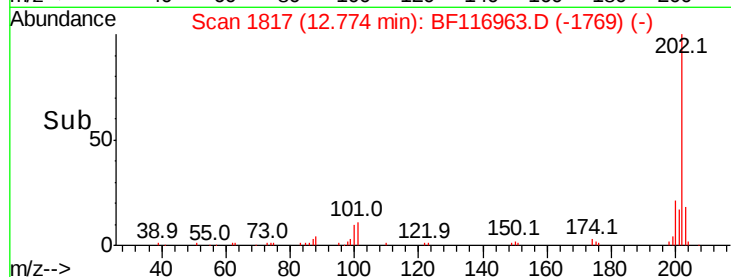
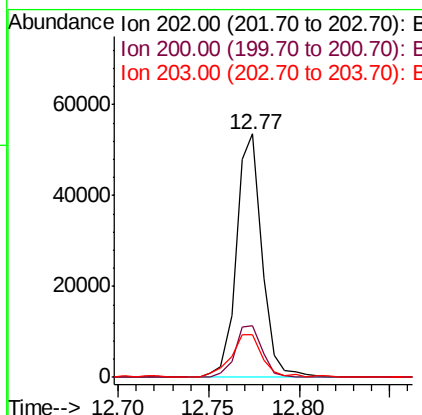
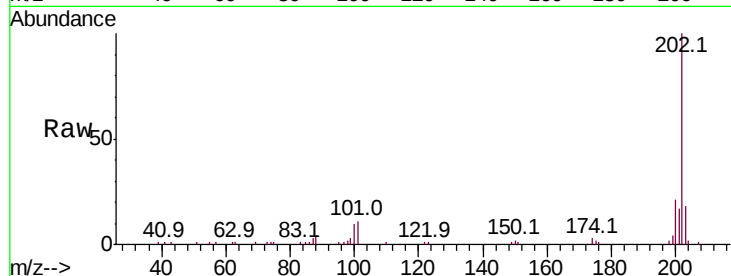




#78
 Pvrene
 Concen: 3.192 ng
 RT: 12.77 min Scan# 1817
 Delta R.T. -0.02 min
 Lab File: BF116963.D
 Acq: 11 Sep 2019 22:54

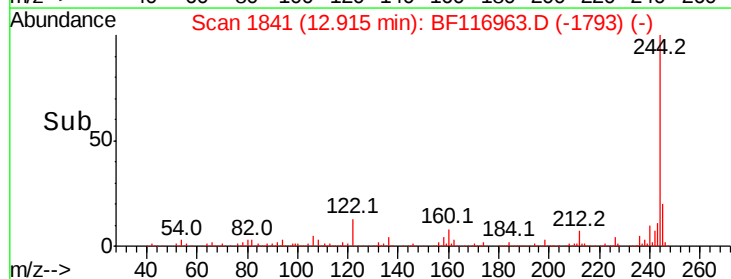
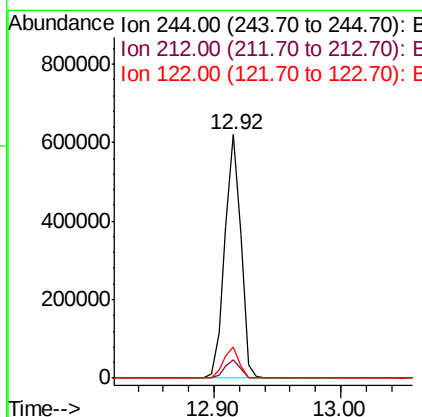
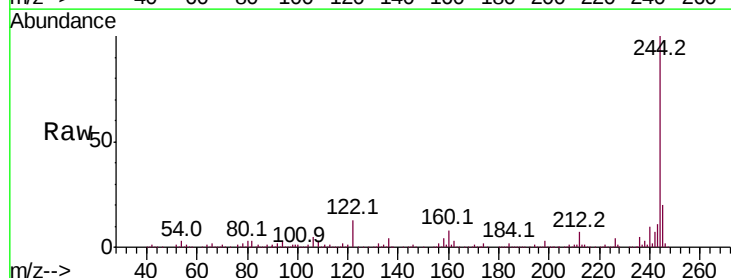
Instrument :
 BNA_F
 ClientSampleId :

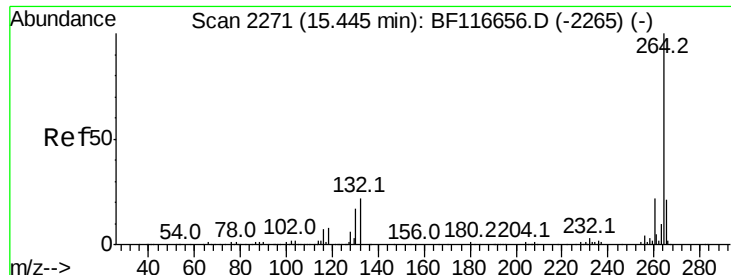
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.5	24.7
203	17.7	13.7	20.5



#79
 Terphenyl-d14
 Concen: 54.501 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.02 min
 Lab File: BF116963.D
 Acq: 11 Sep 2019 22:54

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	12.6	10.2	15.4

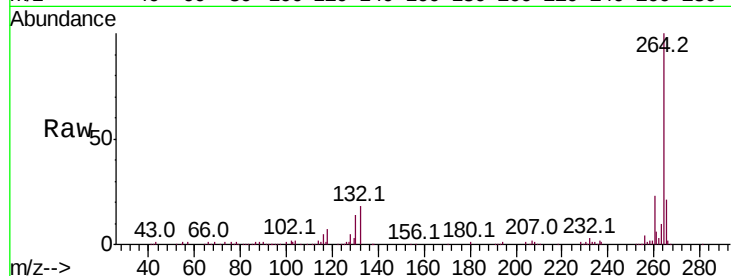




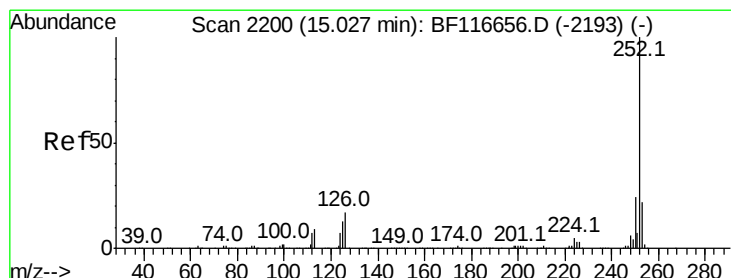
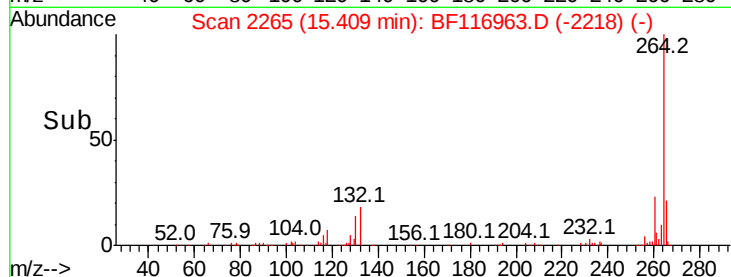
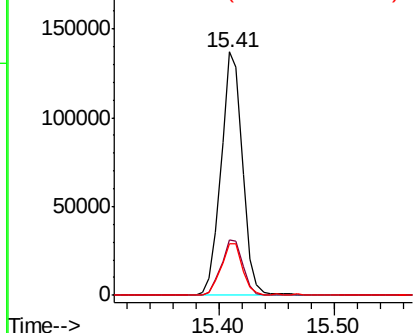
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.02 min
Lab File: BF116963.D
Acq: 11 Sep 2019 22:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 176374
Ion Ratio Lower Upper
264 100
260 22.9 18.3 27.5
265 21.4 16.5 24.7

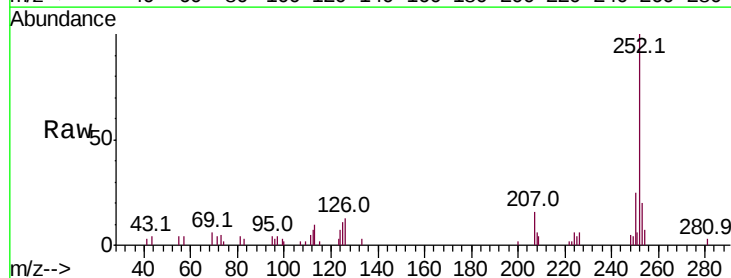


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

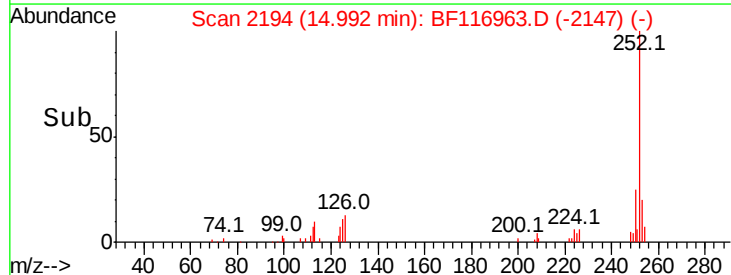
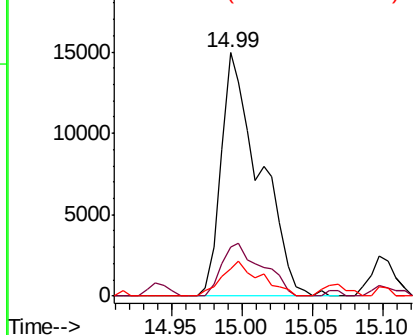


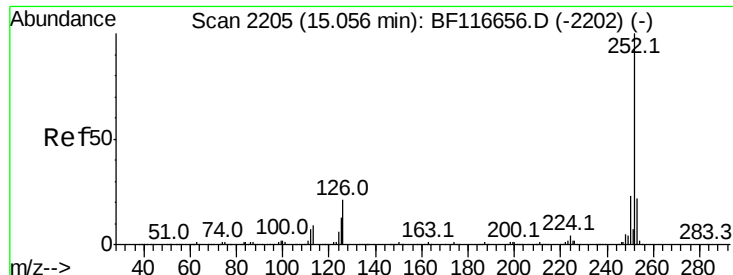
#88
Benzo(b)fluoranthene
Concen: 2.678 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF116963.D
Acq: 11 Sep 2019 22:54

Tgt Ion:252 Resp: 28561
Ion Ratio Lower Upper
252 100
253 20.0 17.7 26.5
125 11.4 8.2 12.2



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: 2.938 ng

RT: 14.99 min Scan# 2194

Delta R.T. -0.05 min

Lab File: BF116963.D

Acq: 11 Sep 2019 22:54

Instrument :

BNA_F

ClientSampleId :

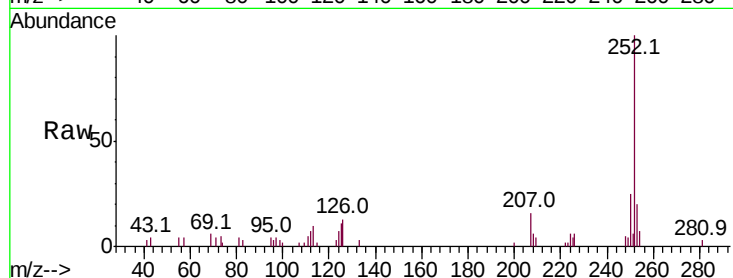
Tot Ion:252 Resp: 28561

Ion Ratio Lower Upper

252 100

253 20.0 17.7 26.5

125 11.4 8.6 13.0



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

