

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092019\
 Data File : BF117203.D
 Acq On : 20 Sep 2019 23:09
 Operator : HP/JU
 Sample : K4964-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2

Quant Time: Sep 21 01:25:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	39102	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	153786	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	69746	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	84462	20.00	ng	0.00
76) Chrysene-d12	13.98	240	53167	20.00	ng	0.00
87) Perylene-d12	15.44	264	46676	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	235731	94.12	ng	0.01
7) Phenol-d6	6.47	99	312869	96.66	ng	0.01
23) Nitrobenzene-d5	7.38	82	206270	70.47	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	48086	82.49	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	367319	82.35	ng	0.00
79) Terphenyl-d14	12.92	244	209934	73.81	ng	0.00

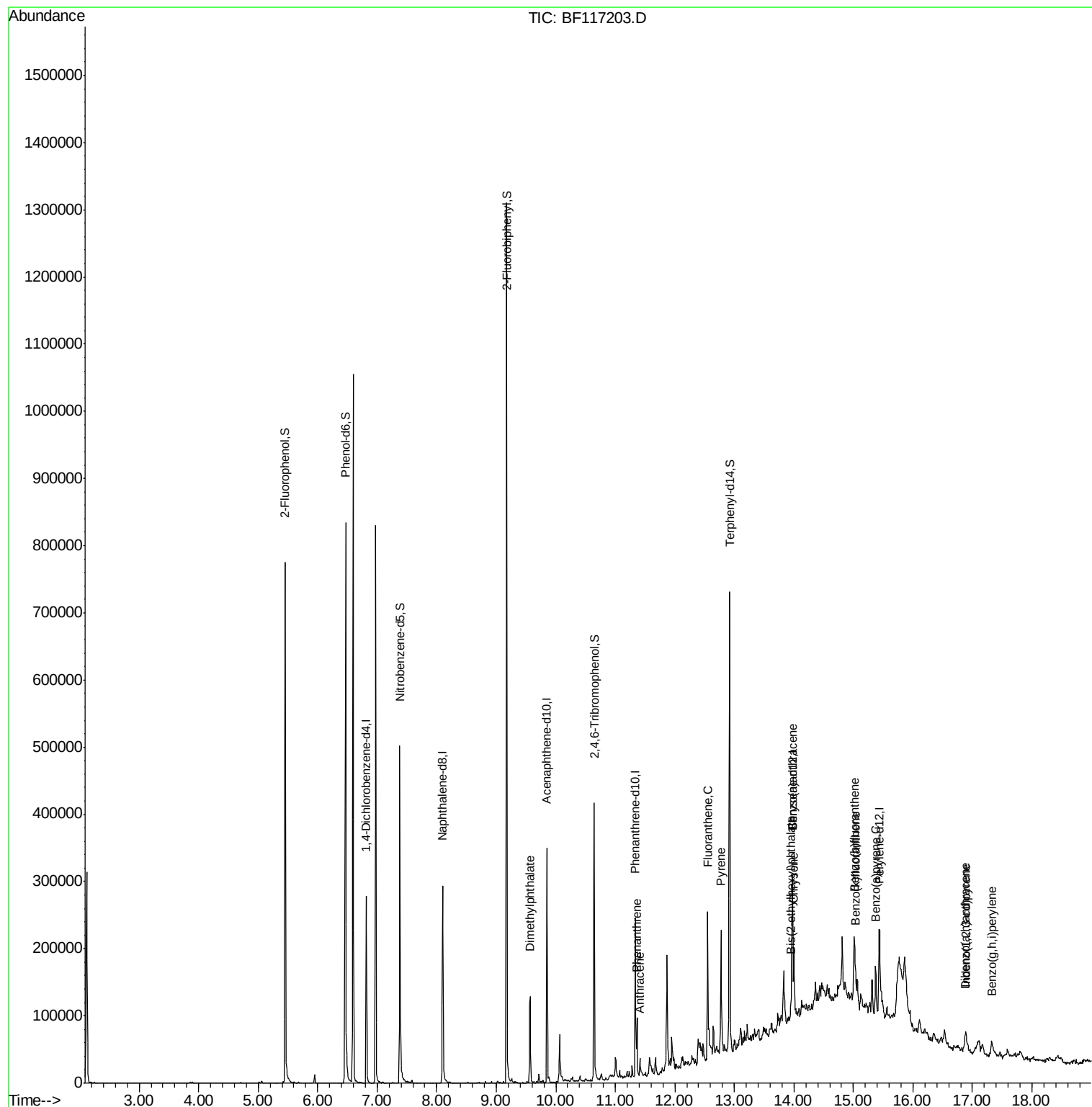
Target Compounds				Qvalue		
50) Dimethylphthalate	9.57	163	52525	10.636	ng	98
71) Phenanthrene	11.36	178	32377	6.749	ng	99
72) Anthracene	11.42	178	13693	2.796	ng	97
75) Fluoranthene	12.55	202	77073	15.636	ng	97
78) Pyrene	12.78	202	73187	16.406	ng	99
81) Benzo(a)anthracene	13.97	228	41809	11.770	ng	99
83) Chrysene	14.00	228	36695	10.592	ng	95
84) Bis(2-ethylhexyl)phthalate	13.95	149	7127	2.622	ng	# 96
86) Indeno(1,2,3-cd)pyrene	16.89	276	19417	7.682	ng	99
88) Benzo(b)fluoranthene	15.02	252	47710m	16.875	ng	
89) Benzo(k)fluoranthene	15.04	252	13873m	5.180	ng	
90) Benzo(a)pyrene	15.37	252	31091	12.531	ng	# 92
91) Dibenzo(a,h)anthracene	16.87	278	6107	3.090	ng	# 91
92) Benzo(a,h,i)perylene	17.32	276	18459	9.372	ng	97

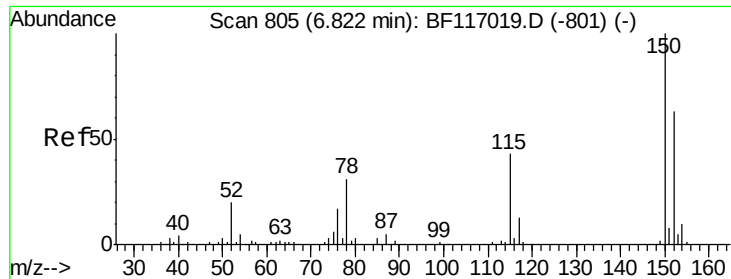
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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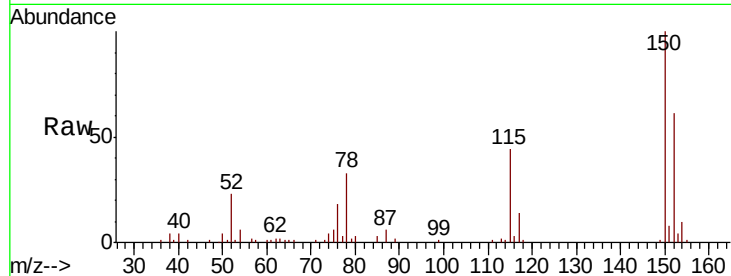


#1

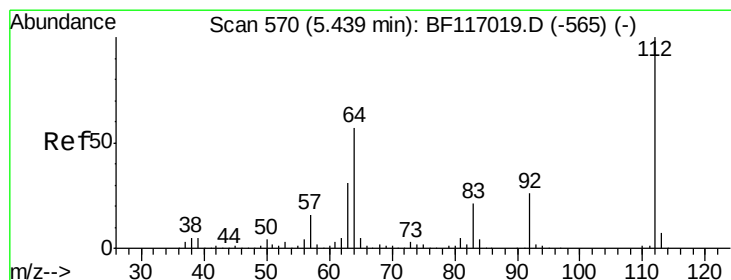
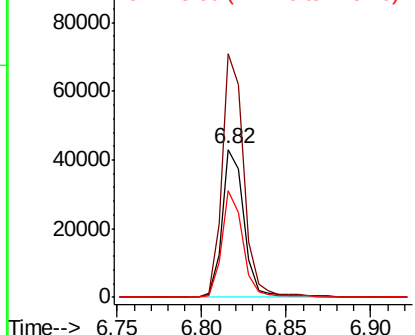
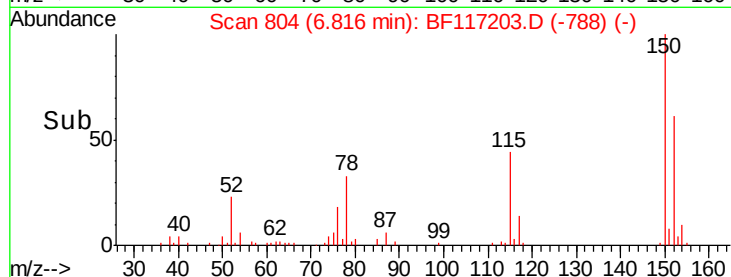
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF117203.D
Acq: 20 Sep 2019 23:09

Instrument :
BNA_F
ClientSampled :
SB-2

Tot Ion:152 Resp: 39102
Ion Ratio Lower Upper
152 100
150 164.6 127.5 191.3
115 71.9 55.0 82.4



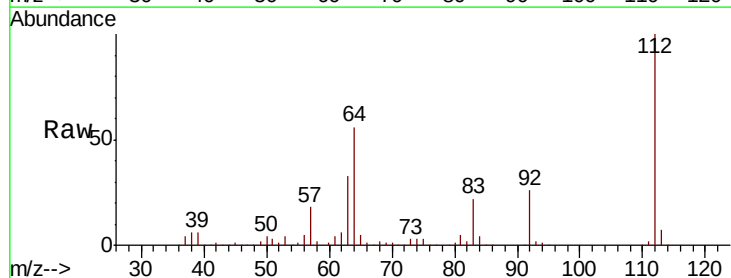
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



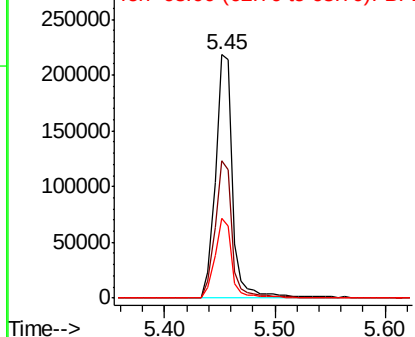
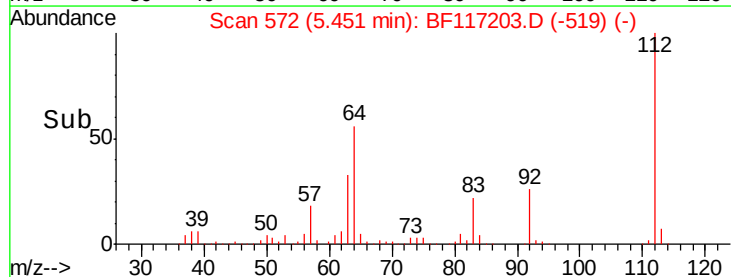
#5

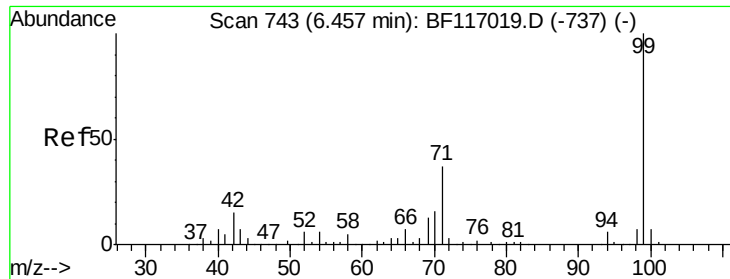
2-Fluorophenol
Concen: 94.122 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF117203.D
Acq: 20 Sep 2019 23:09

Tgt Ion:112 Resp: 235731
Ion Ratio Lower Upper
112 100
64 56.4 45.7 68.5
63 32.7 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: 96.661 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF117203.D

Acq: 20 Sep 2019 23:09

Instrument :

BNA_F

ClientSampleId :

SB-2

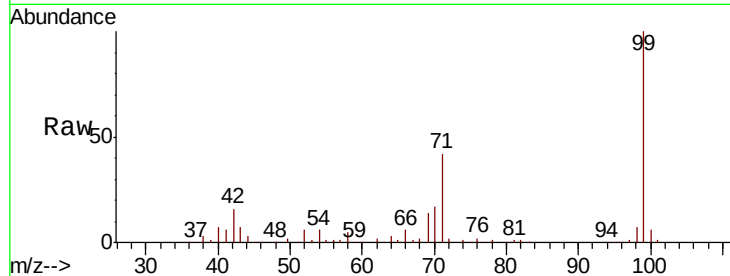
Tot Ion: 99 Resp: 312869

Ion Ratio Lower Upper

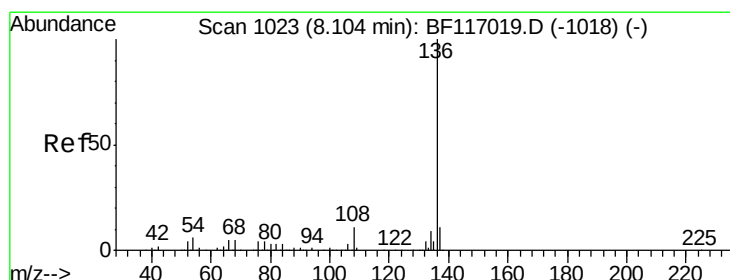
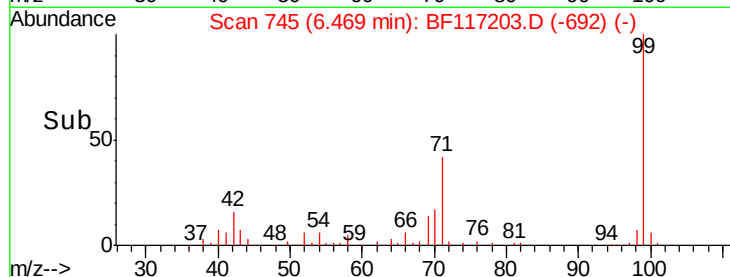
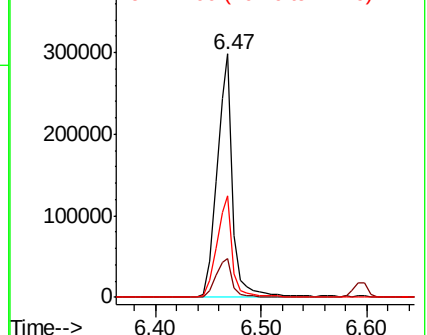
99 100

42 16.2 12.2 18.2

71 41.7 29.8 44.8



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF117203.D

Acq: 20 Sep 2019 23:09

Tgt Ion: 136 Resp: 153786

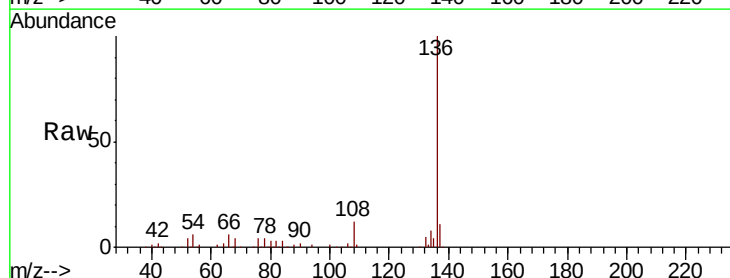
Ion Ratio Lower Upper

136 100

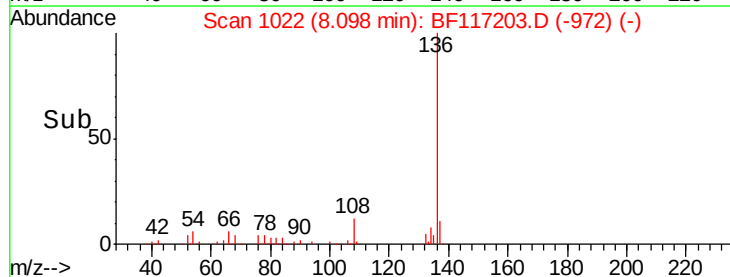
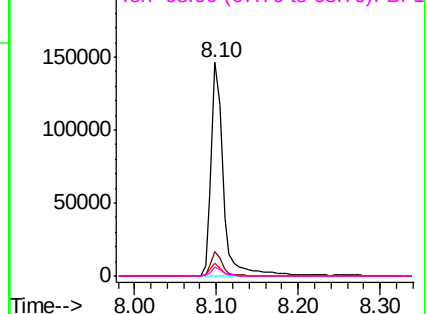
137 11.3 9.0 13.4

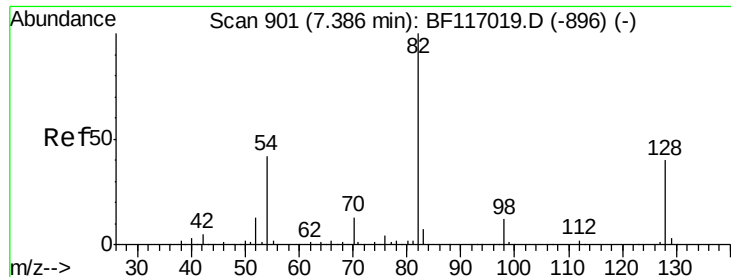
54 5.7 4.5 6.7

68 4.4 4.0 6.0



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

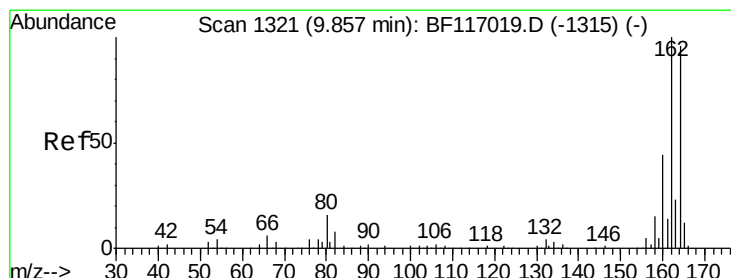
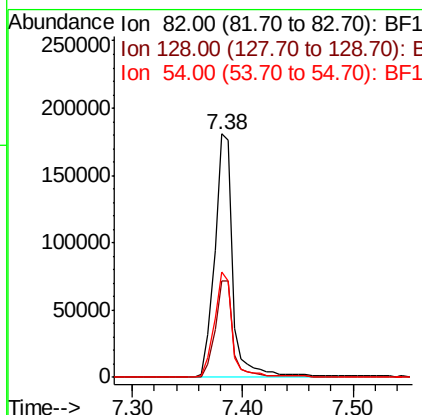
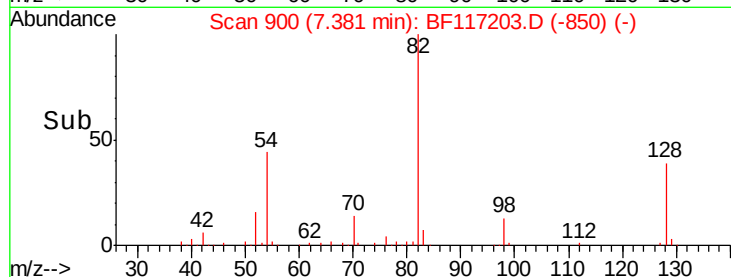
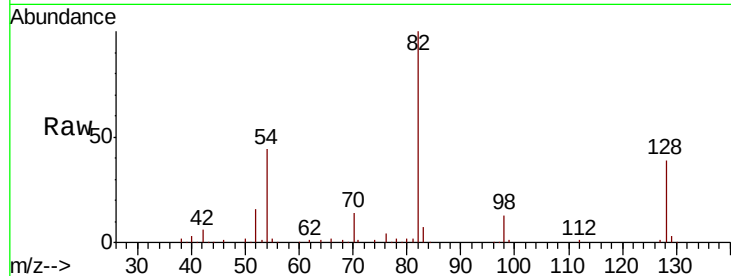




#23
 Nitrobenzene-d5
 Concen: 70.474 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF117203.D
 Acq: 20 Sep 2019 23:09

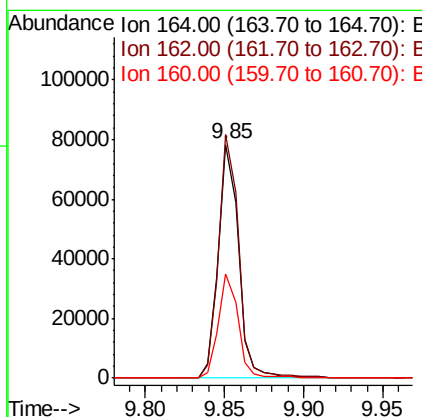
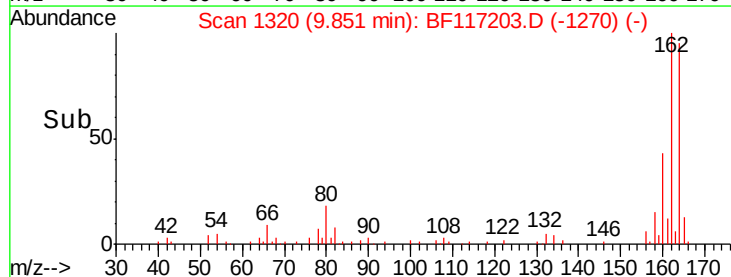
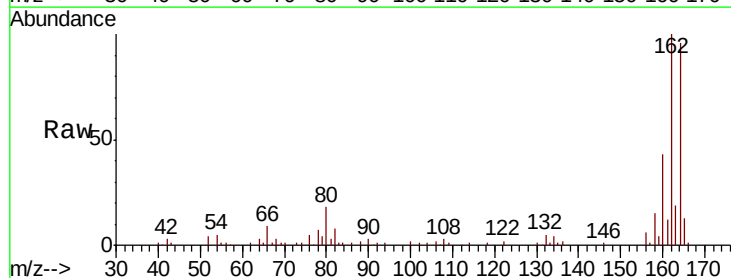
Instrument :
 BNA_F
 ClientSampled :
 SB-2

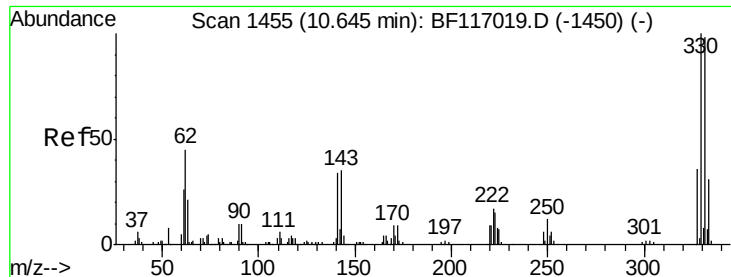
Tot Ion	82	Resp	206270
Ion Ratio	100	Lower	Upper
128	39.4	32.3	48.5
54	43.5	33.3	49.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF117203.D
 Acq: 20 Sep 2019 23:09

Tgt Ion	164	Resp	69746
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	104.3	83.4	125.2
160	44.4	36.4	54.6





#42

2,4,6-Tribromophenol

Concen: 82.492 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BF117203.D

Acq: 20 Sep 2019 23:09

Instrument :

BNA_F

ClientSampleId :

SB-2

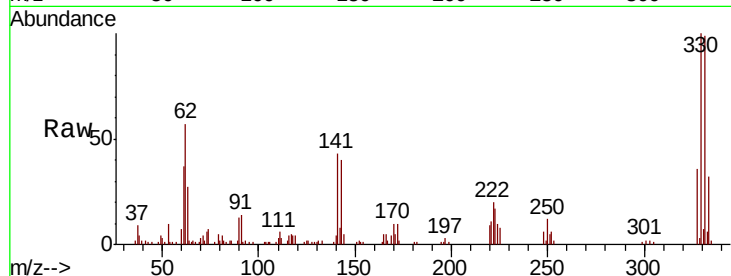
Tot Ion:330 Resp: 48086

Ion Ratio Lower Upper

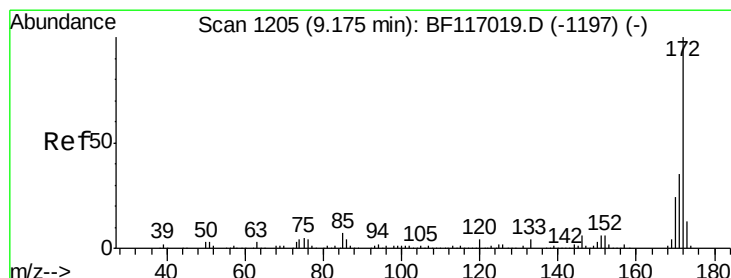
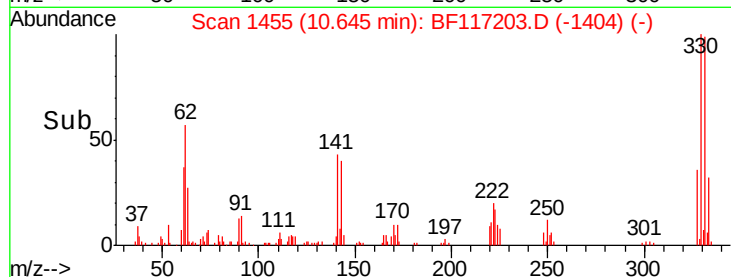
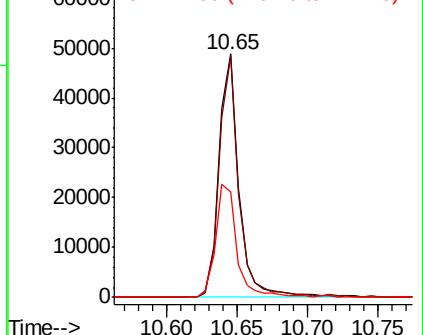
330 100

332 97.2 78.0 117.0

141 49.2 35.8 53.6



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: 82.346 ng

RT: 9.17 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BF117203.D

Acq: 20 Sep 2019 23:09

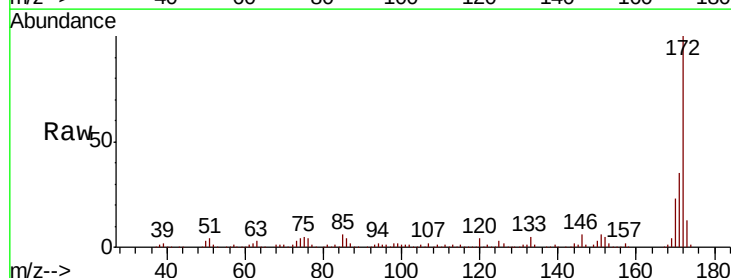
Tgt Ion:172 Resp: 367319

Ion Ratio Lower Upper

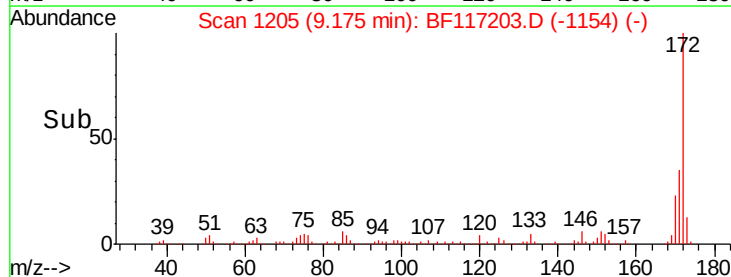
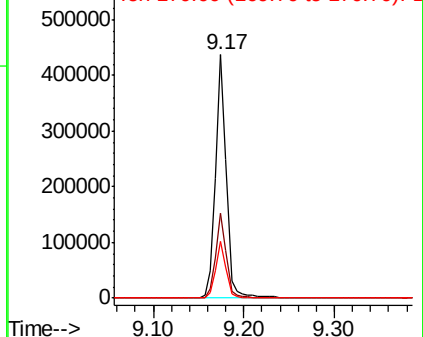
172 100

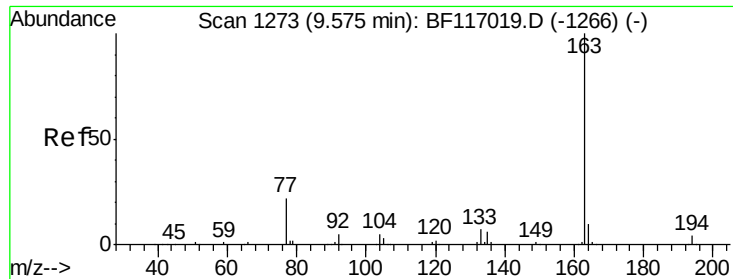
171 35.1 28.2 42.2

170 23.4 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

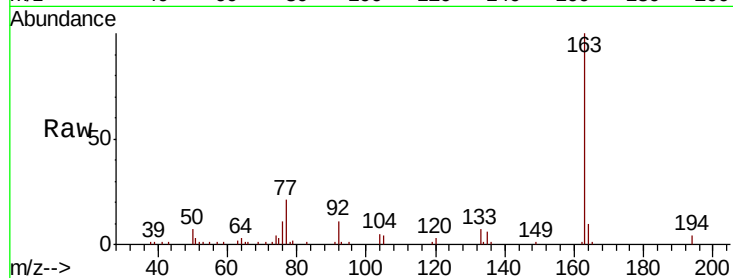




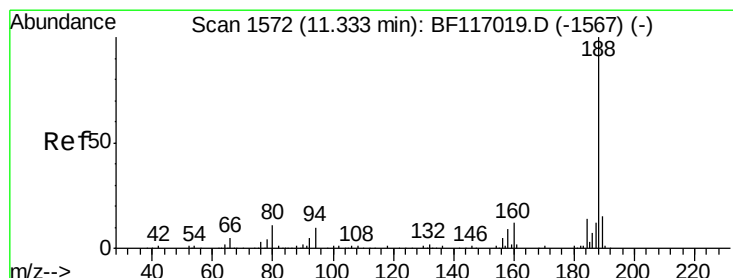
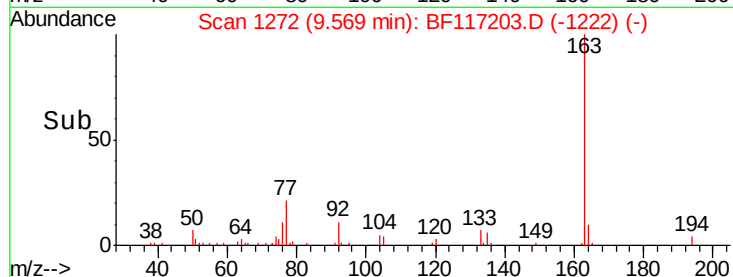
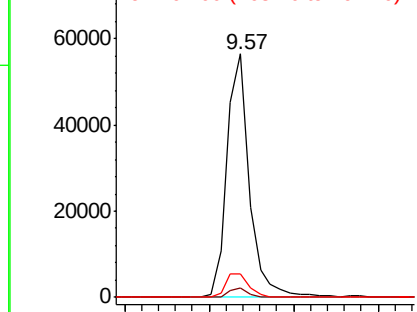
#50
Dimethylphthalate
Concen: 10.636 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF117203.D
Acq: 20 Sep 2019 23:09

Instrument :
BNA_F
ClientSampleId :
SB-2

Tot Ion:163 Resp: 52525
Ion Ratio Lower Upper
163 100
194 4.1 2.9 4.3
164 9.6 8.2 12.4

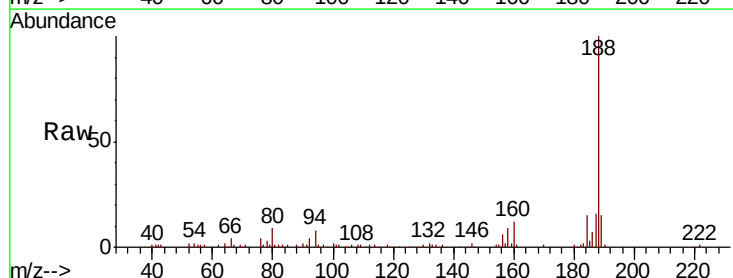


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

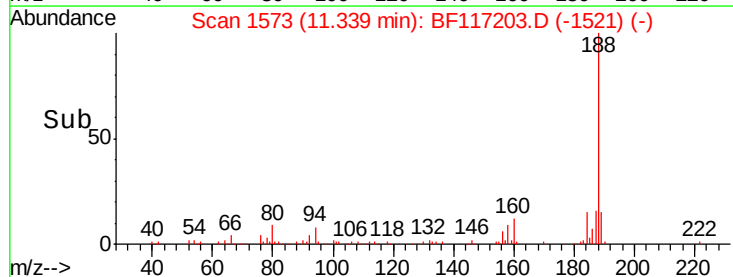
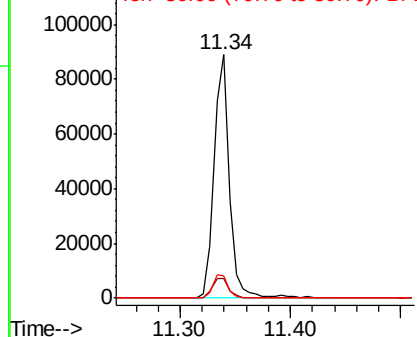


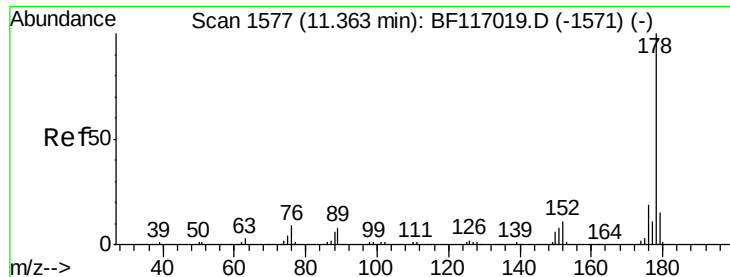
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF117203.D
Acq: 20 Sep 2019 23:09

Tgt Ion:188 Resp: 84462
Ion Ratio Lower Upper
188 100
94 7.8 8.2 12.2#
80 9.0 9.0 13.6#



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

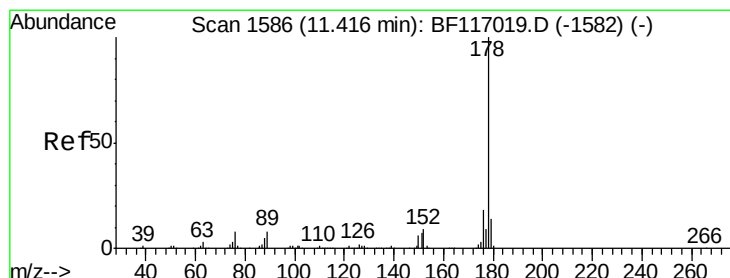
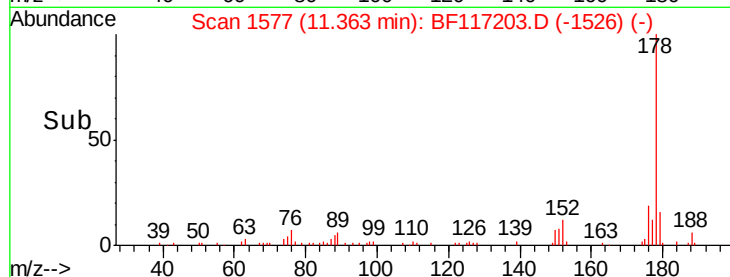
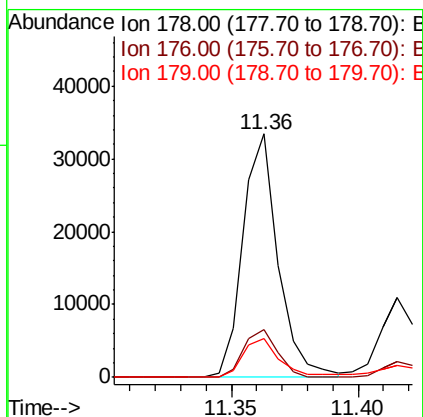
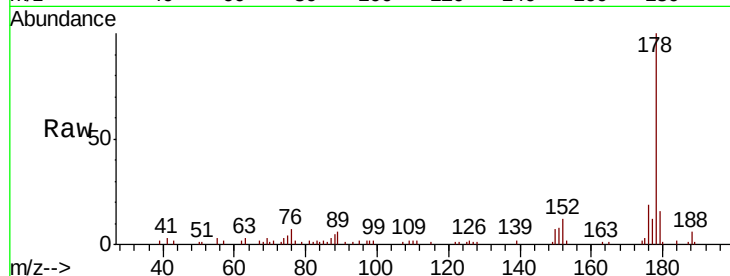




#71
 Phenanthrene
 Concen: 6.749 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: BF117203.D
 Acq: 20 Sep 2019 23:09

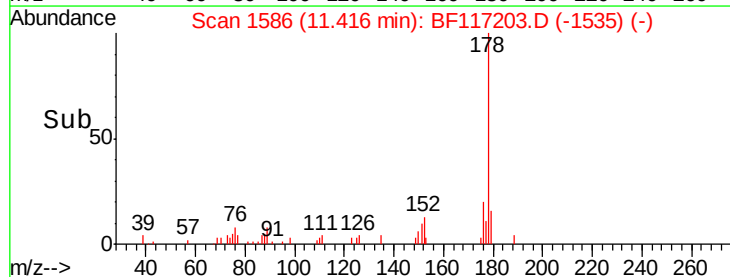
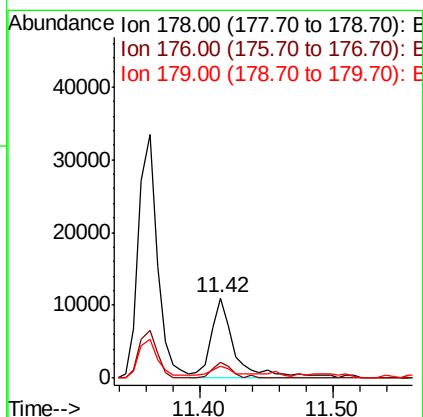
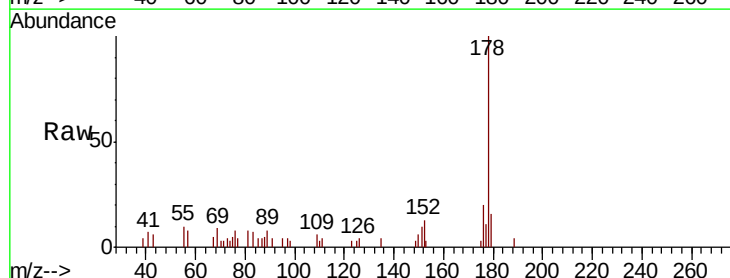
Instrument :
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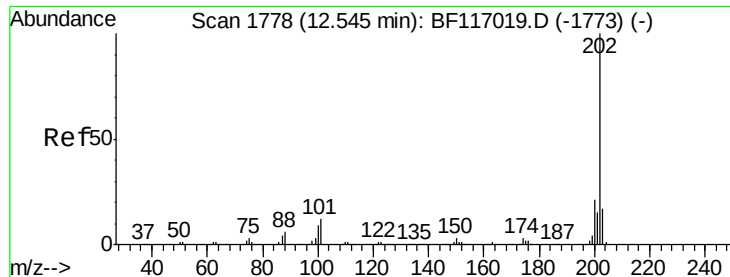
Tot Ion:178 Resp: 32377
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.4 23.2
 179 16.1 12.4 18.6



#72
 Anthracene
 Concen: 2.796 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF117203.D
 Acq: 20 Sep 2019 23:09

Tgt Ion:178 Resp: 13693
 Ion Ratio Lower Upper
 178 100
 176 19.7 14.6 21.8
 179 15.7 11.6 17.4





#75

Fluoranthene

Concen: 15.636 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BF117203.D

Acq: 20 Sep 2019 23:09

Instrument :

BNA_F

ClientSampleId :

SB-2

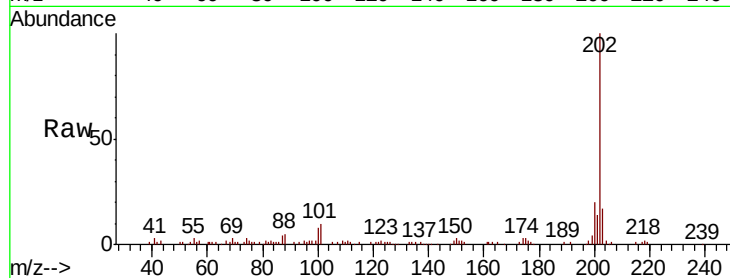
Tot Ion:202 Resp: 77073

Ion Ratio Lower Upper

202 100

101 10.1 0.0 32.3

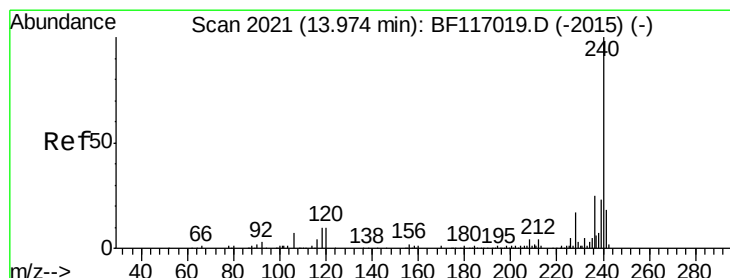
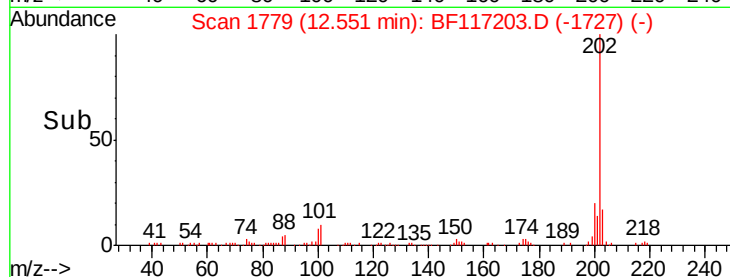
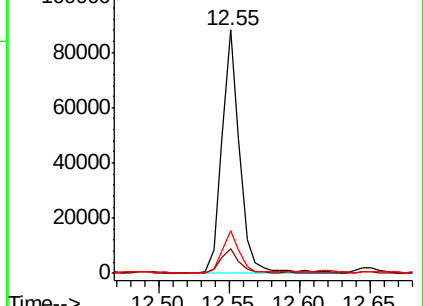
203 17.4 0.0 37.1



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: 13.98 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BF117203.D

Acq: 20 Sep 2019 23:09

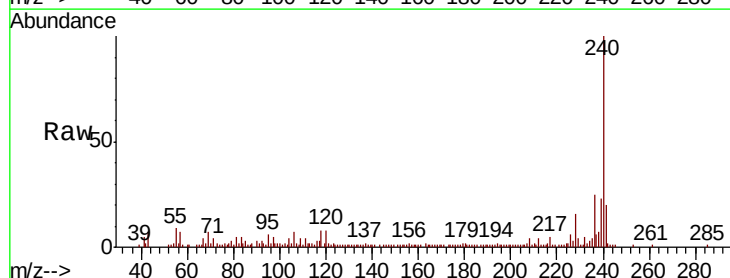
Tgt Ion:240 Resp: 53167

Ion Ratio Lower Upper

240 100

120 8.0 8.3 12.5#

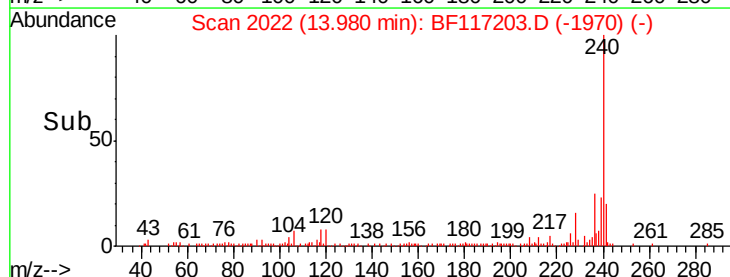
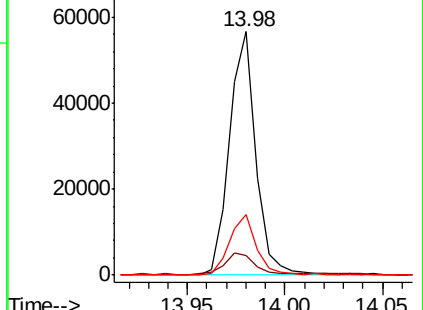
236 24.7 20.3 30.5

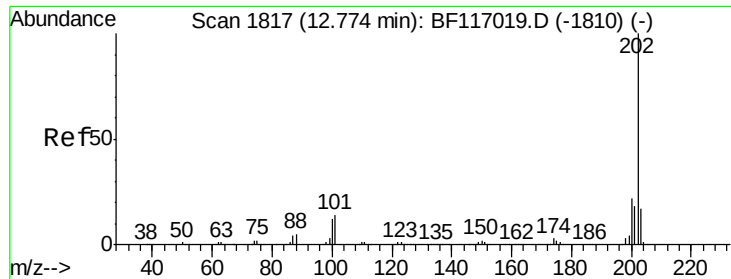


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

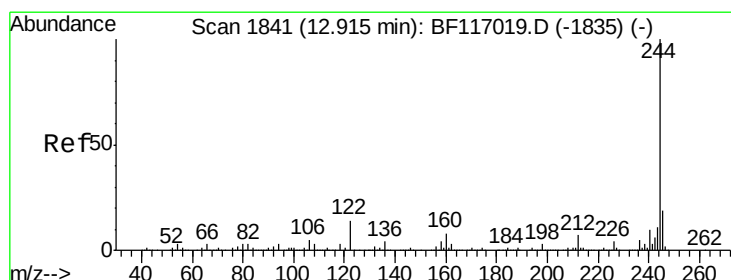
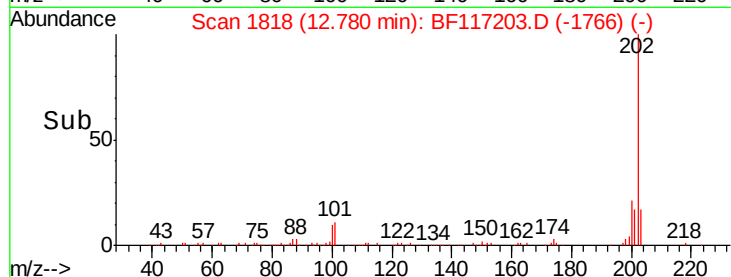
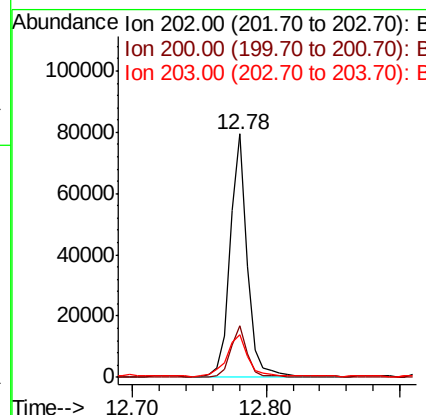
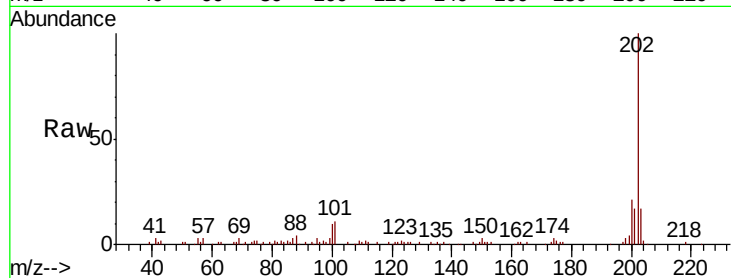




#78
Pvrene
Concen: 16.406 ng
RT: 12.78 min Scan# 1818
Delta R.T. 0.01 min
Lab File: BF117203.D
Acq: 20 Sep 2019 23:09

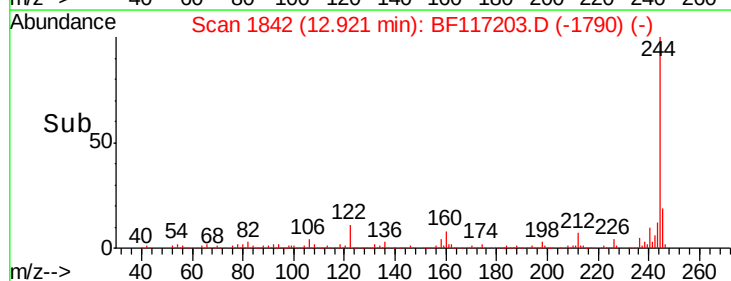
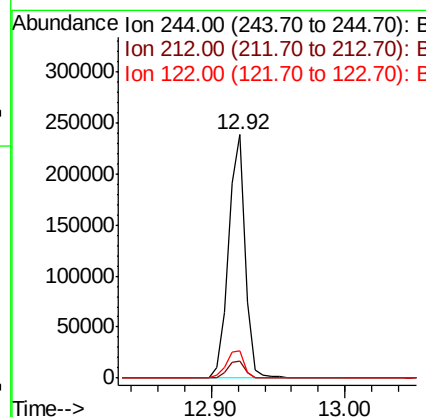
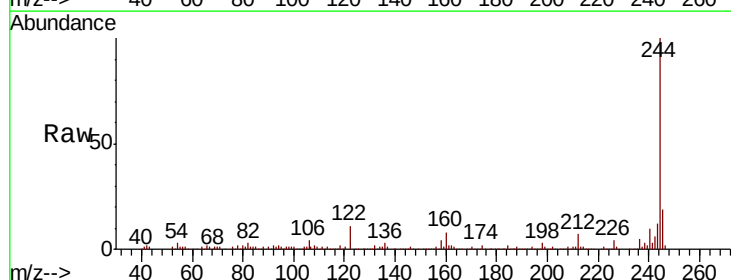
Instrument :
BNA_F
ClientSampled :
SB-2

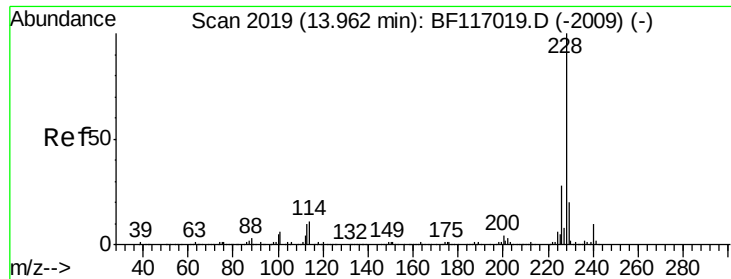
Tot Ion:202 Resp: 73187
Ion Ratio Lower Upper
202 100
200 21.2 17.2 25.8
203 17.3 14.0 21.0



#79
Terphenyl-d14
Concen: 73.808 ng
RT: 12.92 min Scan# 1842
Delta R.T. 0.01 min
Lab File: BF117203.D
Acq: 20 Sep 2019 23:09

Tgt Ion:244 Resp: 209934
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.8
122 11.0 11.3 16.9#

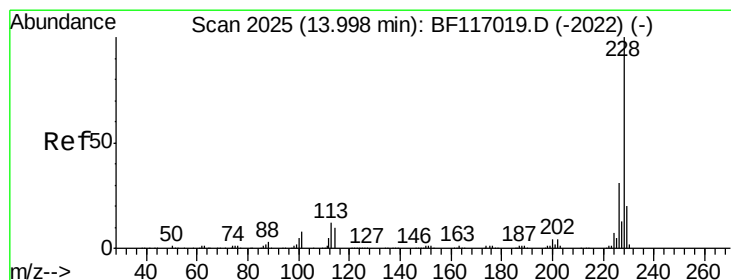
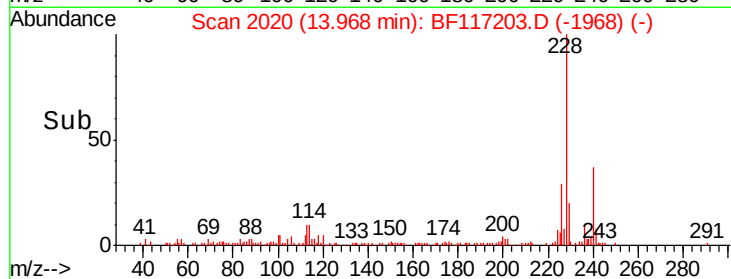
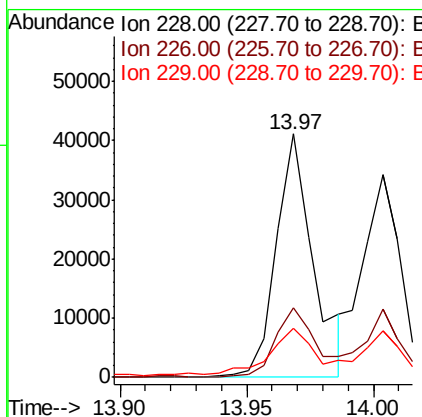
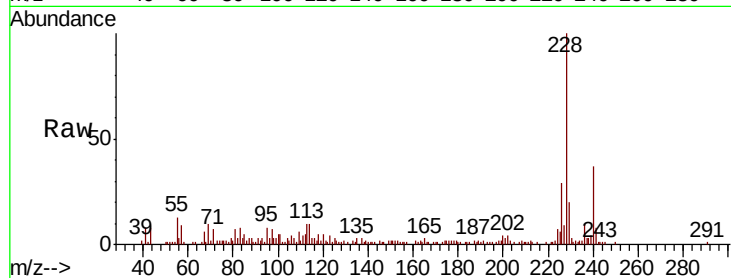




#81
Benzo(a)anthracene
Concen: 11.770 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BF117203.D
Acq: 20 Sep 2019 23:09

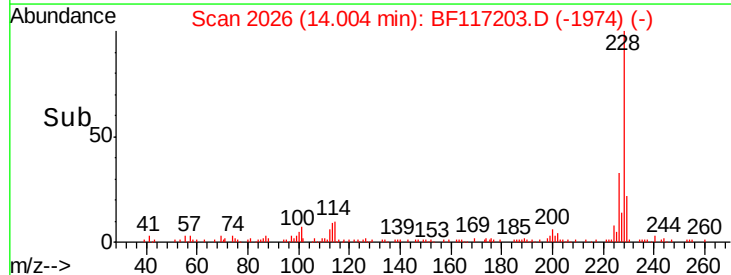
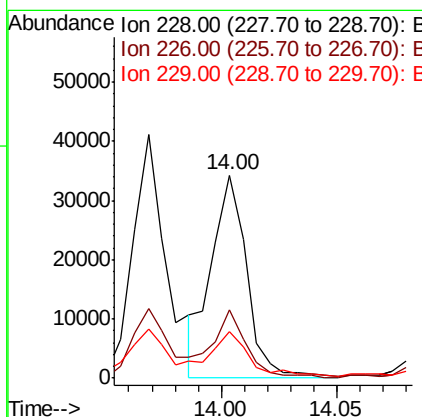
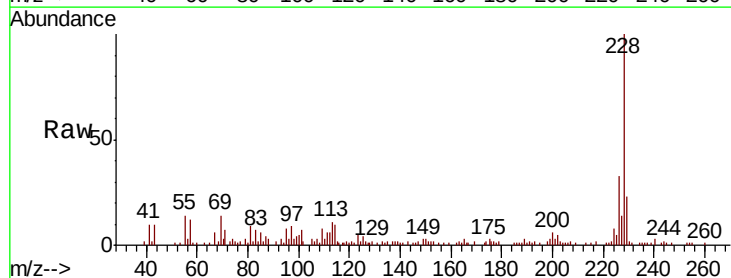
Instrument :
BNA_F
ClientSampled :
SB-2

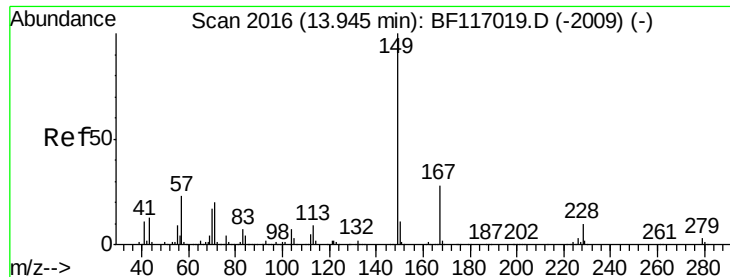
Tot Ion:228 Resp: 41809
Ion Ratio Lower Upper
228 100
226 28.7 22.3 33.5
229 20.1 15.9 23.9



#83
Chrysene
Concen: 10.592 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF117203.D
Acq: 20 Sep 2019 23:09

Tgt Ion:228 Resp: 36695
Ion Ratio Lower Upper
228 100
226 33.5 24.8 37.2
229 22.8 15.8 23.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.622 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.01 min

Lab File: BF117203.D

Acq: 20 Sep 2019 23:09

Instrument :

BNA_F

ClientSampleId :

SB-2

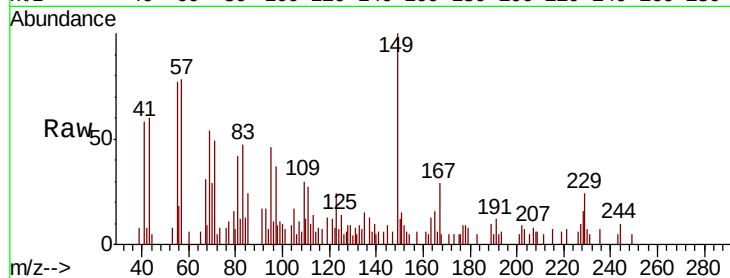
Tot Ion:149 Resp: 7127

Ion Ratio Lower Upper

149 100

167 29.4 22.2 33.2

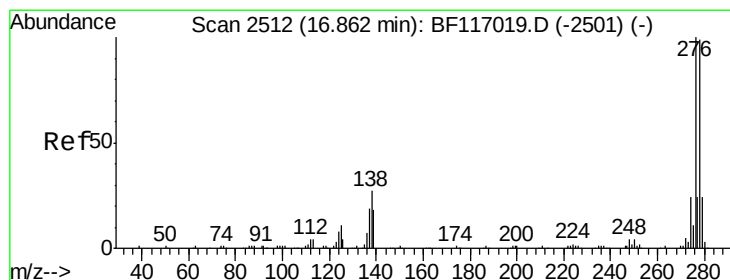
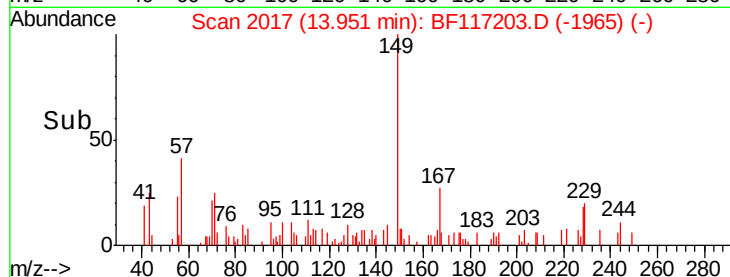
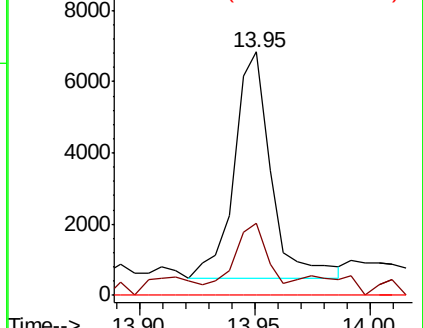
279 0.0 2.8 4.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 7.682 ng

RT: 16.89 min Scan# 2516

Delta R.T. 0.02 min

Lab File: BF117203.D

Acq: 20 Sep 2019 23:09

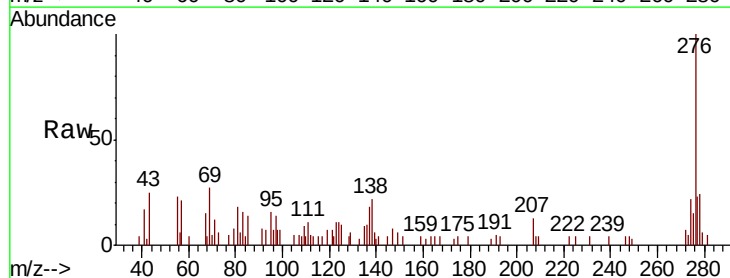
Tgt Ion:276 Resp: 19417

Ion Ratio Lower Upper

276 100

138 26.5 20.7 31.1

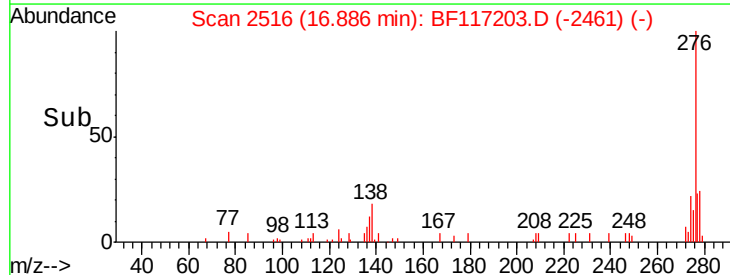
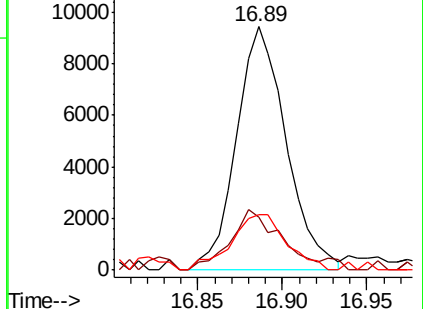
277 25.2 19.8 29.8

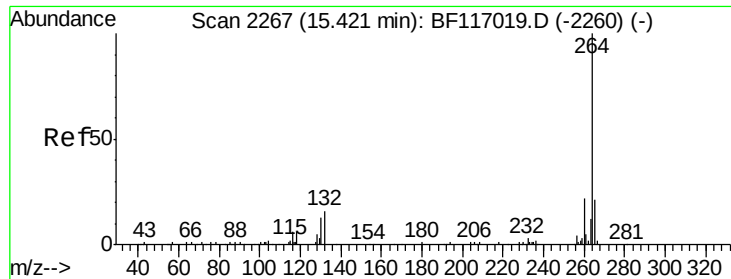


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



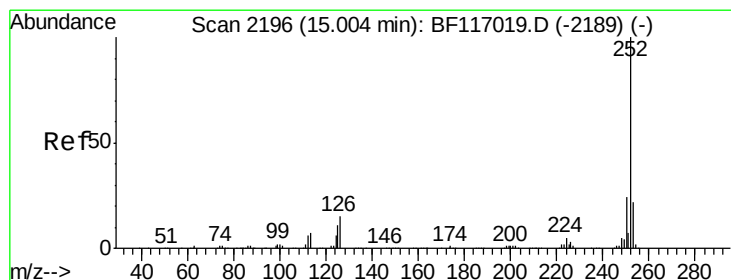
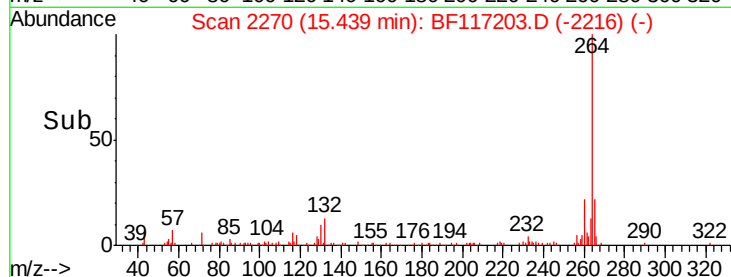
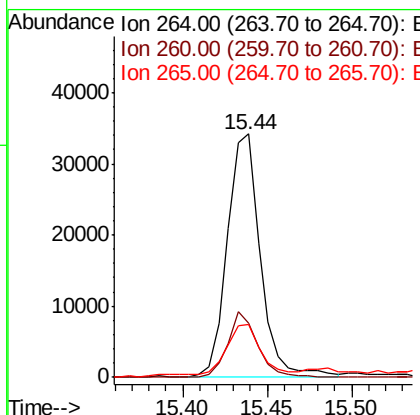
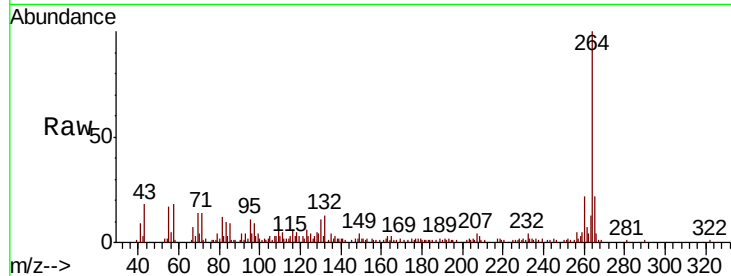


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.02 min
Lab File: BF117203.D
Acq: 20 Sep 2019 23:09

Instrument :
BNA_F
ClientSampleId :
SB-2

Tot Ion:264 Resp: 46676

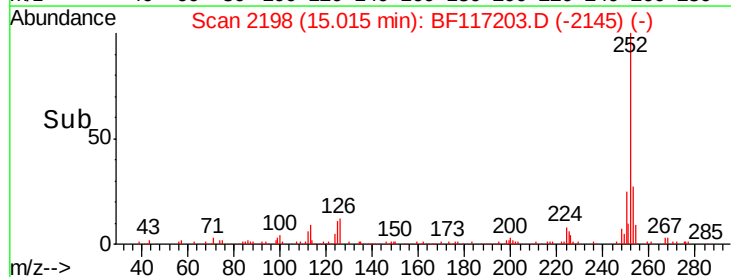
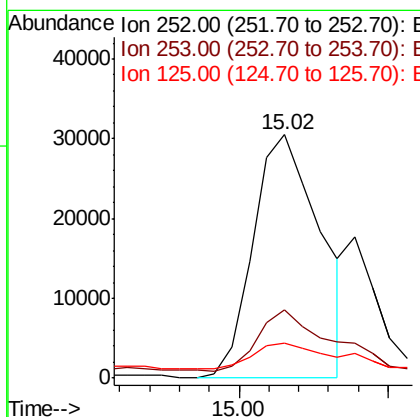
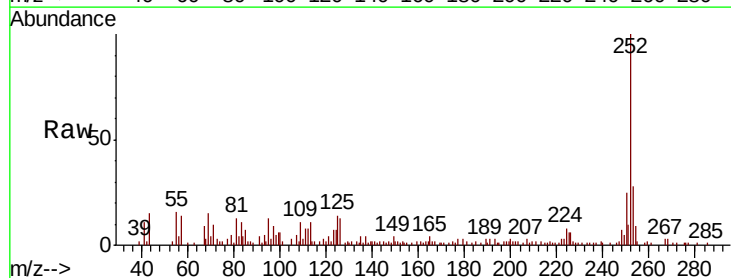
Ion	Ratio	Lower	Upper
264	100		
260	22.1	17.6	26.4
265	21.9	16.6	24.8

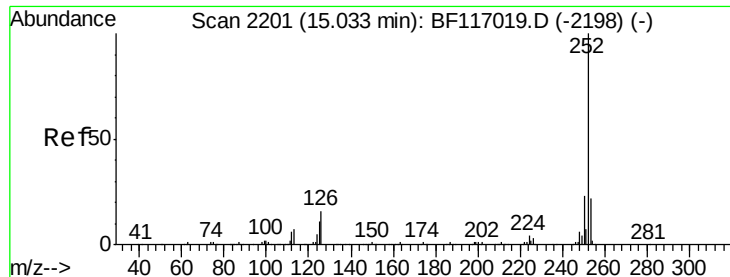


#88
Benzo(b)fluoranthene
Concen: 16.875 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF117203.D
Acq: 20 Sep 2019 23:09

Tgt Ion:252 Resp: 47710

Ion	Ratio	Lower	Upper
252	100		
253	27.9	17.6	26.4#
125	14.2	8.6	12.8#





#89

Benzo(k)fluoranthene

Concen: 5.180 ng

RT: 15.04 min Scan# 2202

Delta R.T. 0.01 min

Lab File: BF117203.D

Acq: 20 Sep 2019 23:09

Instrument :

BNA_F

ClientSampleId :

SB-2

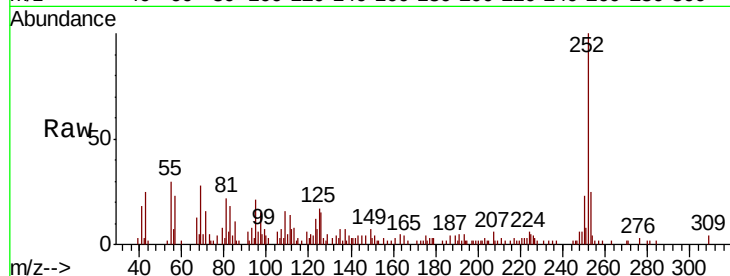
Tot Ion:252 Resp: 13873

Ion Ratio Lower Upper

252 100

253 24.9 17.4 26.2

125 17.2 8.8 13.2#

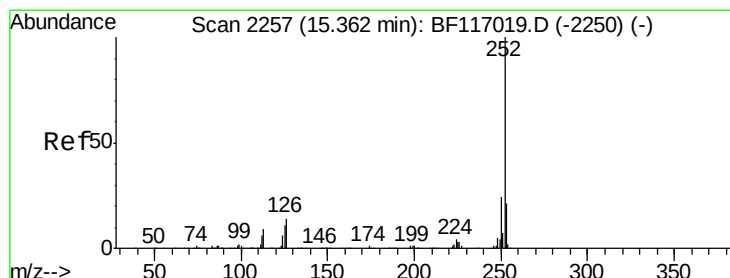
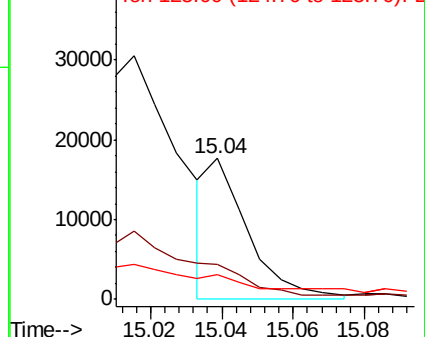
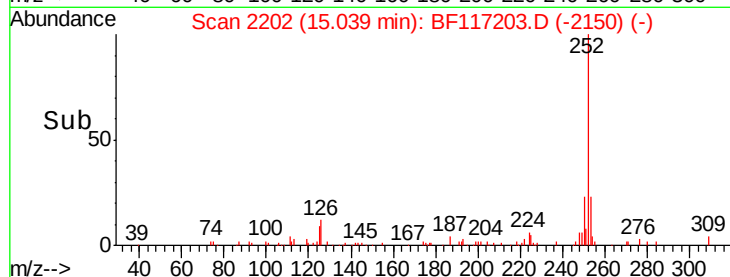


Abundance

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



#90

Benzo(a)pyrene

Concen: 12.531 ng

RT: 15.37 min Scan# 2259

Delta R.T. 0.01 min

Lab File: BF117203.D

Acq: 20 Sep 2019 23:09

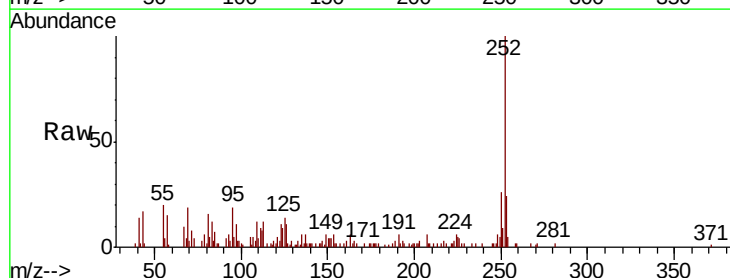
Tgt Ion:252 Resp: 31091

Ion Ratio Lower Upper

252 100

253 24.2 16.6 25.0

125 14.4 8.9 13.3#

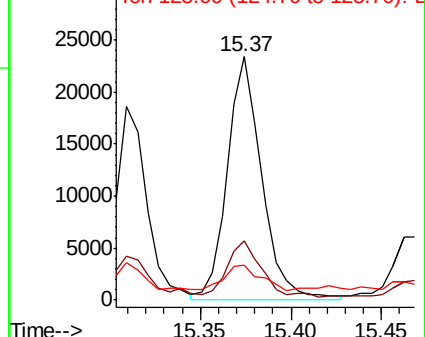
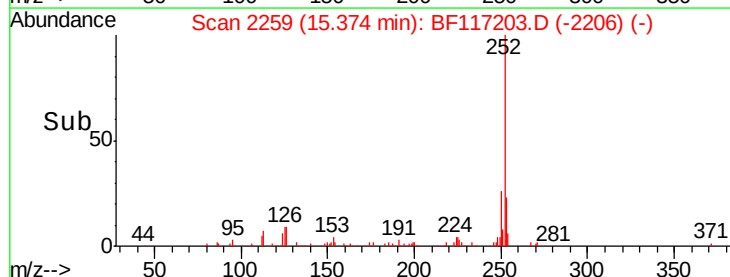


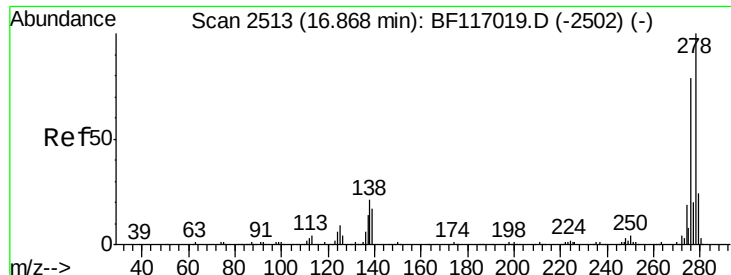
Abundance

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

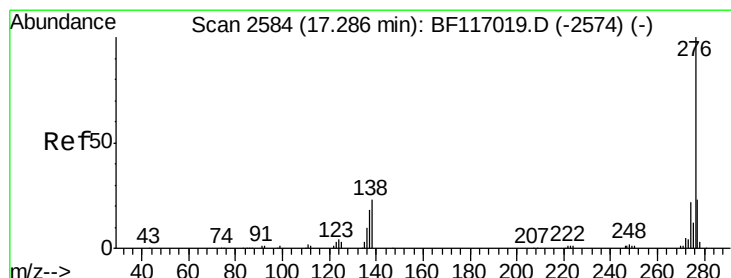
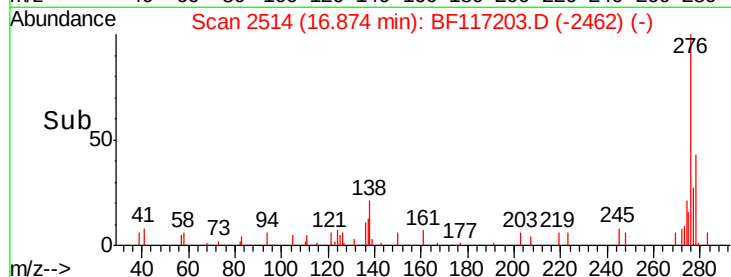
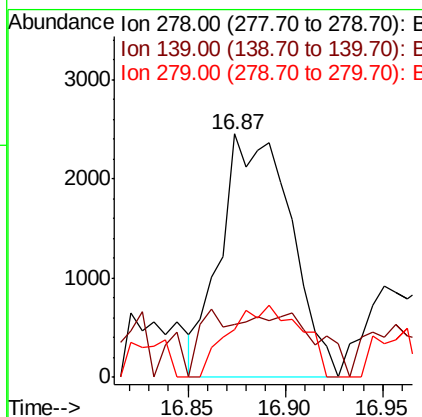
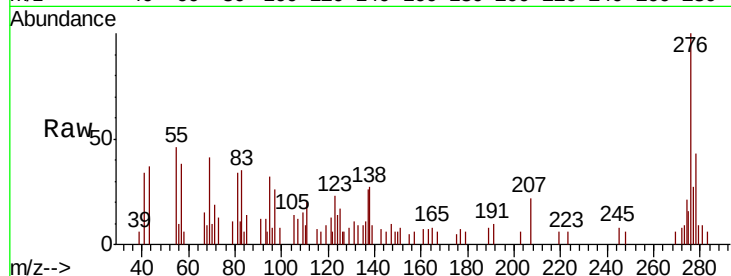




#91
Dibenzo(a,h)anthracene
Concen: 3.090 ng
RT: 16.87 min Scan# 2514
Delta R.T. 0.01 min
Lab File: BF117203.D
Acq: 20 Sep 2019 23:09

Instrument :
BNA_F
ClientSampleId :
SB-2

Tot Ion:278 Resp: 6107
Ion Ratio Lower Upper
278 100
139 21.7 13.5 20.3#
279 19.9 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 9.372 ng
RT: 17.32 min Scan# 2590
Delta R.T. 0.04 min
Lab File: BF117203.D
Acq: 20 Sep 2019 23:09

Tgt Ion:276 Resp: 18459
Ion Ratio Lower Upper
276 100
277 22.1 18.6 27.8
138 24.1 18.0 27.0

