

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
 Data File : BF119008.D
 Acq On : 21 Feb 2020 22:42
 Operator : CG/JU
 Sample : L1625-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 24 02:23:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	156772	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	541633	20.00	ng	-0.01
39) Acenaphthene-d10	9.79	164	265768	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	461280	20.00	ng	0.00
76) Chrysene-d12	13.90	240	366280	20.00	ng	0.00
87) Perylene-d12	15.34	264	331319	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	798131	85.08	ng	0.00
7) Phenol-d6	6.40	99	935440	81.99	ng	0.00
23) Nitrobenzene-d5	7.32	82	607688	59.24	ng	-0.01
42) 2,4,6-Tribromophenol	10.57	330	276398	79.50	ng	0.00
45) 2-Fluorobiphenyl	9.11	172	1058513	58.67	ng	-0.01
79) Terphenyl-d14	12.85	244	1176640	55.31	ng	0.00

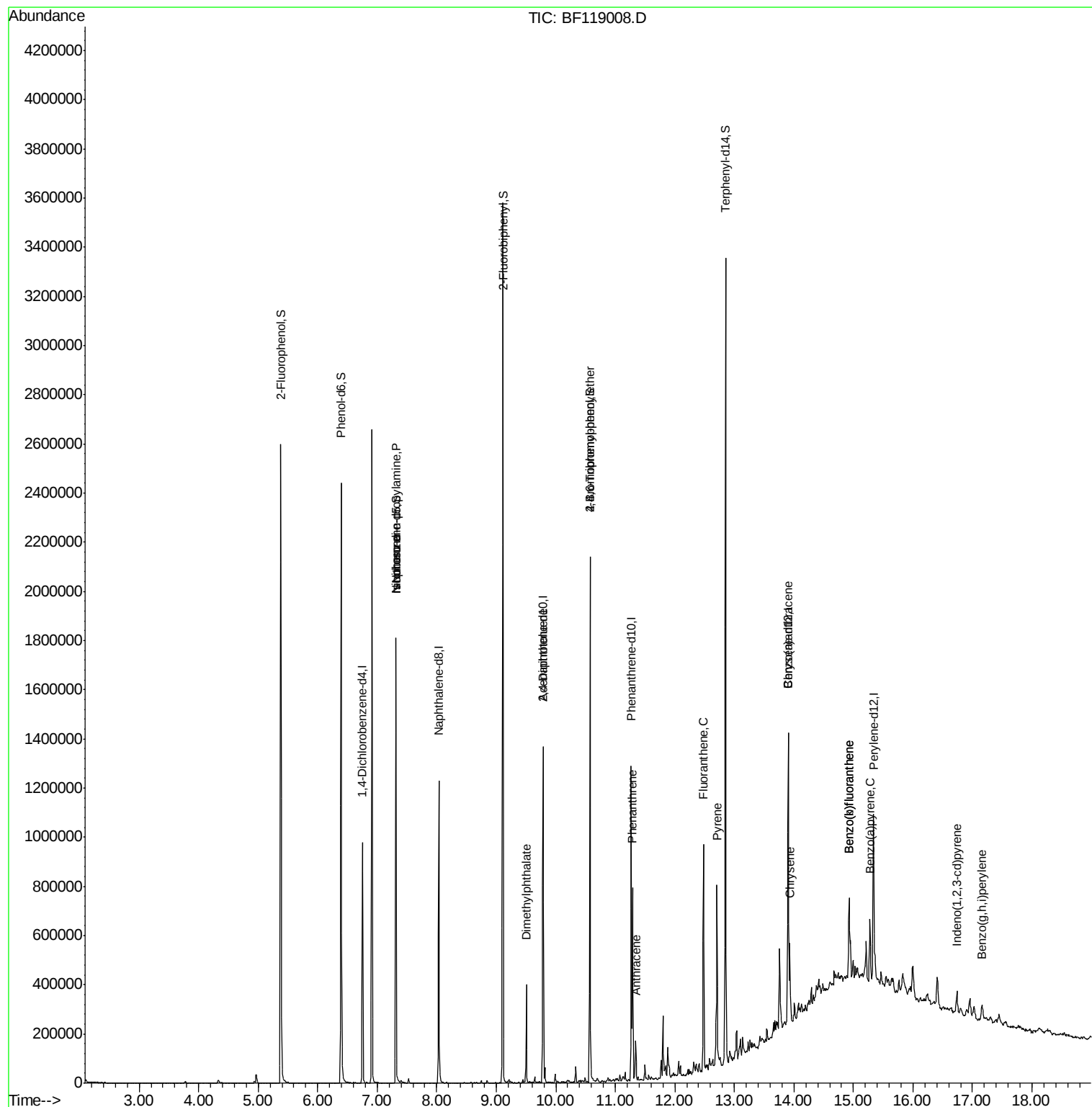
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.32	70	82576	12.421	ng	# 75
25) Isophorone	7.32	82	607685	34.110	ng	# 63
50) Dimethylphthalate	9.50	163	162653	8.004	ng	98
57) 2,4-Dinitrotoluene	9.79	165	34410	5.880	ng	# 28
67) 4-Bromophenyl-phenylether	10.57	248	17552	2.911	ng	# 1
71) Phenanthrene	11.29	178	269895	10.729	ng	99
72) Anthracene	11.35	178	59443	2.365	ng	98
75) Fluoranthene	12.48	202	349815	13.101	ng	98
78) Pyrene	12.71	202	308020	10.473	ng	98
81) Benzo(a)anthracene	13.90	228	149111	5.975	ng	97
83) Chrysene	13.93	228	141828	5.703	ng	98
86) Indeno(1,2,3-cd)pyrene	16.74	276	59419	2.468	ng	# 92
88) Benzo(b)fluoranthene	14.93	252	212603	9.735	ng	# 95
89) Benzo(k)fluoranthene	14.93	252	212603	10.505	ng	# 94
90) Benzo(a)pyrene	15.27	252	108533	5.506	ng	# 96
92) Benzo(g,h,i)perylene	17.16	276	53272	3.109	ng	97

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

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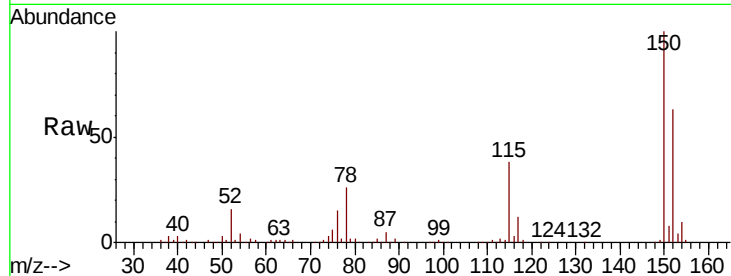


#1

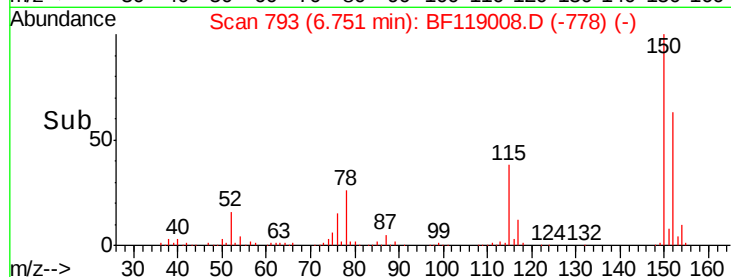
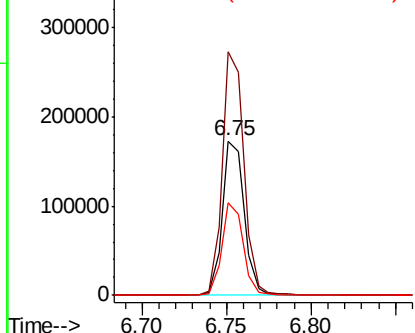
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF119008.D
Acq: 21 Feb 2020 22:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 156772
Ion Ratio Lower Upper
152 100
150 157.9 124.3 186.5
115 60.1 44.6 67.0



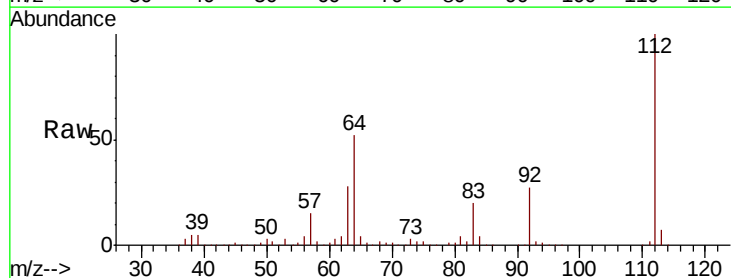
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



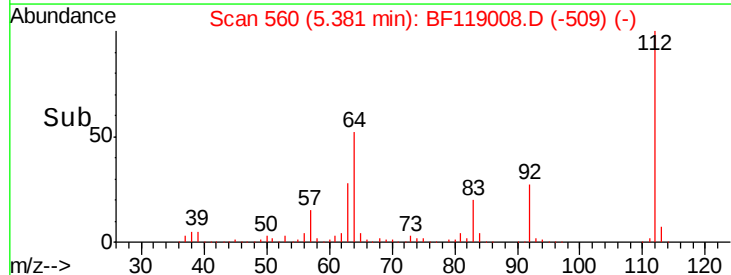
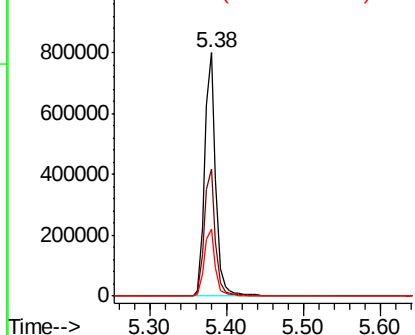
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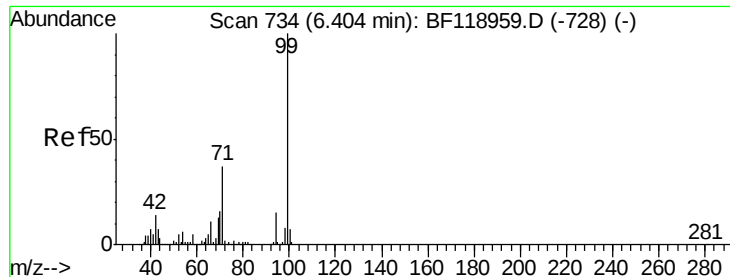
2-Fluorophenol
Concen: 85.080 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF119008.D
Acq: 21 Feb 2020 22:42

Tgt Ion:112 Resp: 798131
Ion Ratio Lower Upper
112 100
64 52.2 40.4 60.6
63 27.7 21.3 31.9



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: 81.992 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF119008.D

Acq: 21 Feb 2020 22:42

Instrument :

BNA_F

ClientSampleId :

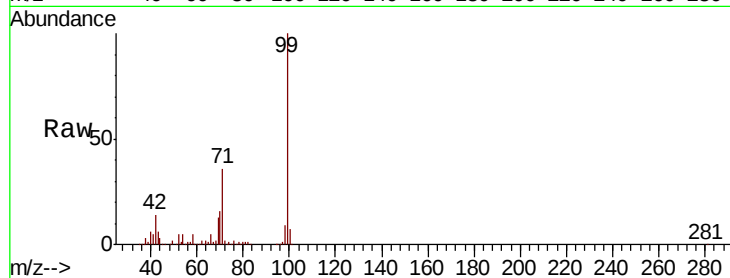
Tot Ion: 99 Resp: 935440

Ion Ratio Lower Upper

99 100

42 13.6 11.4 17.0

71 36.1 29.8 44.6

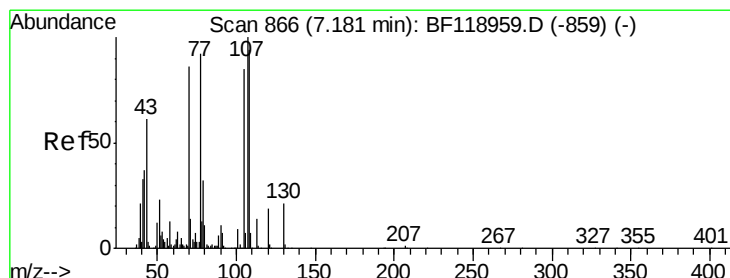
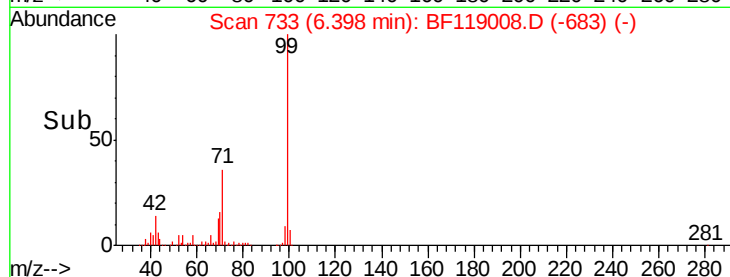
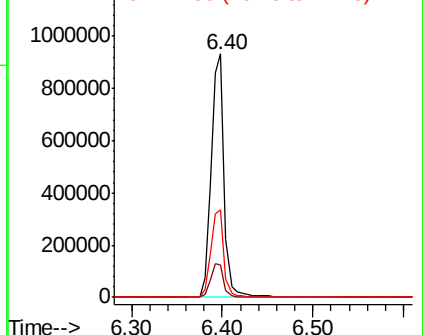


Abundance

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: 12.421 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.14 min

Lab File: BF119008.D

Acq: 21 Feb 2020 22:42

Tgt Ion: 70 Resp: 82576

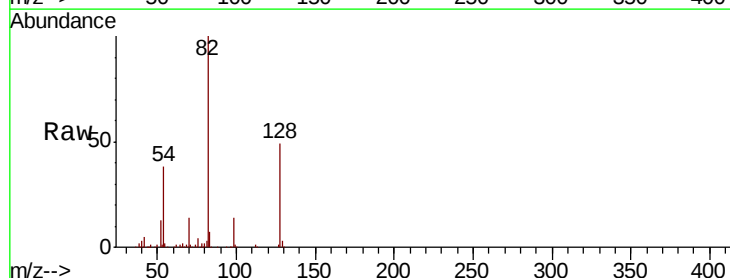
Ion Ratio Lower Upper

70 100

42 34.6 34.6 51.8

101 0.0 8.1 12.1#

130 2.2 19.4 29.2#



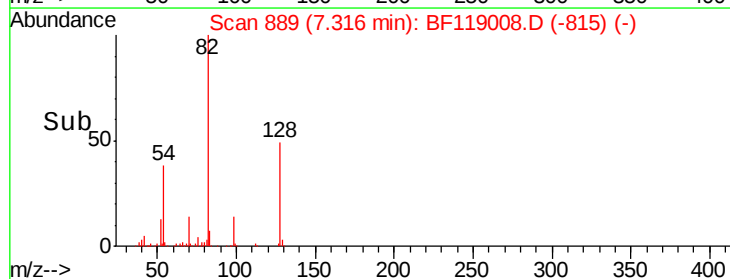
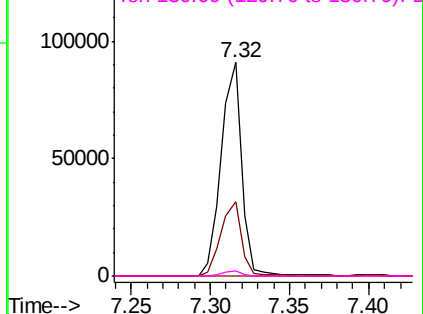
Abundance

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: 8.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF119008.D

Acq: 21 Feb 2020 22:42

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 541633

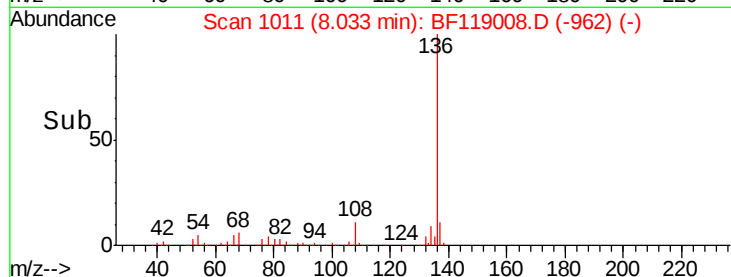
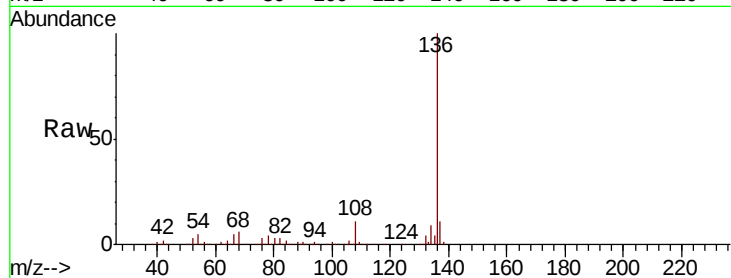
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 5.3 3.8 5.6

68 5.6 4.2 6.2

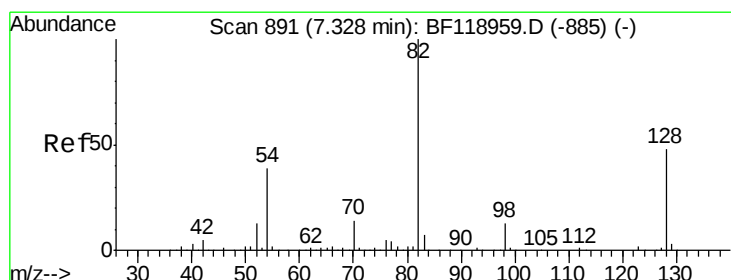
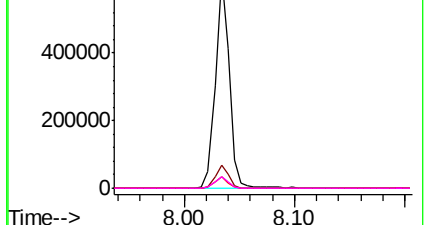


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.239 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF119008.D

Acq: 21 Feb 2020 22:42

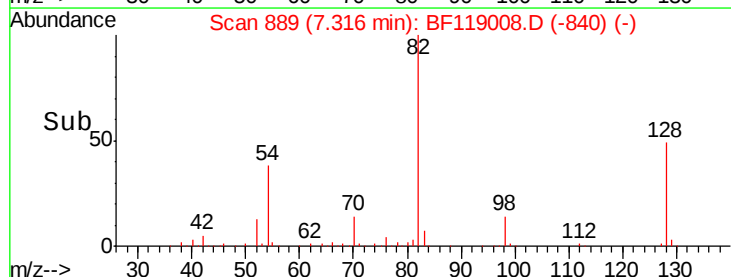
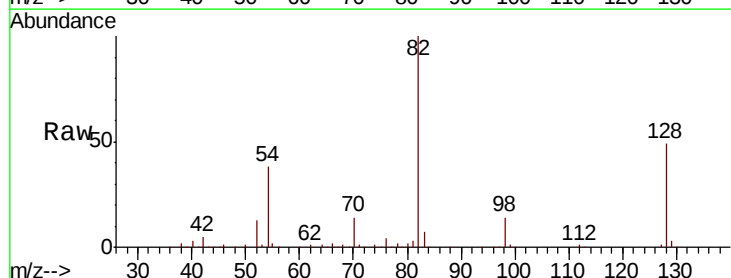
Tgt Ion: 82 Resp: 607688

Ion Ratio Lower Upper

82 100

128 48.7 38.2 57.2

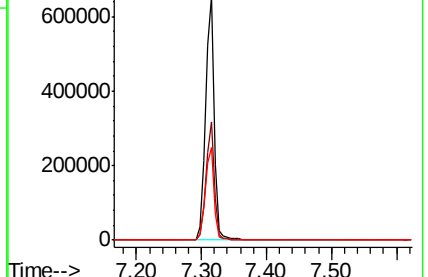
54 38.2 31.3 46.9



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

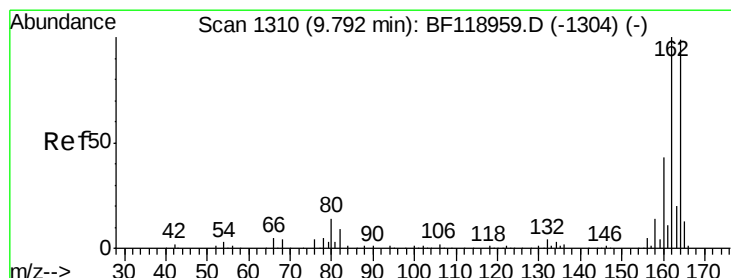
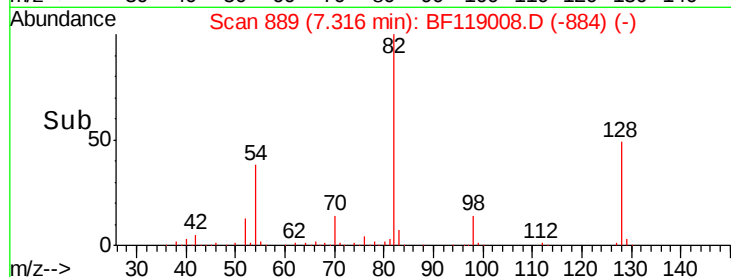
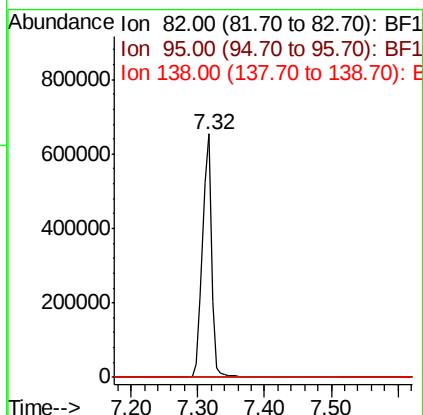
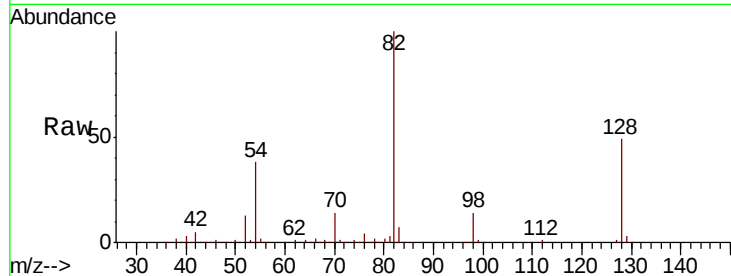




#25
Isophorone
Concen: 34.110 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.27 min
Lab File: BF119008.D
Acq: 21 Feb 2020 22:42

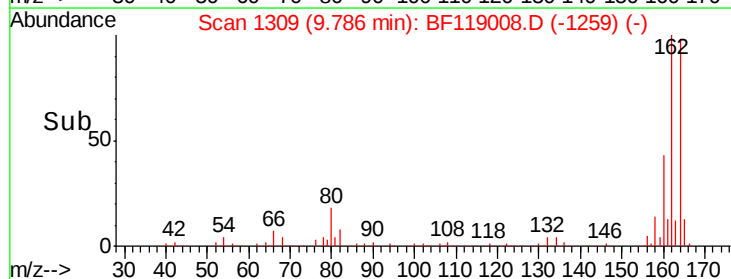
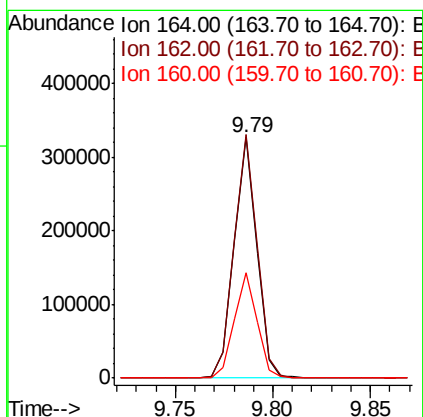
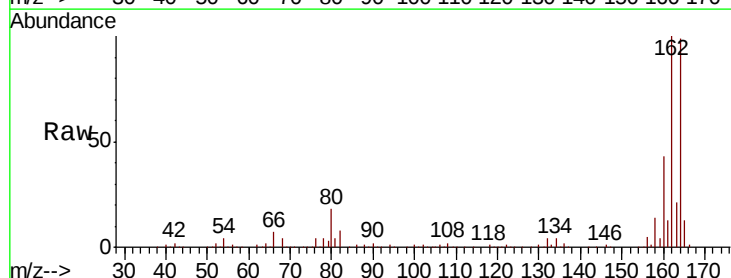
Instrument :
BNA_F
ClientSampled :

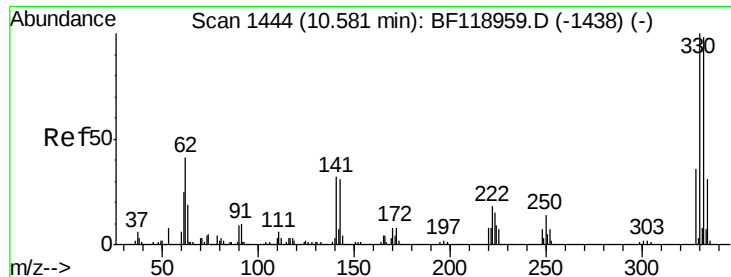
Tot Ion: 82 Resp: 607685
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.8 23.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF119008.D
Acq: 21 Feb 2020 22:42

Tgt Ion: 164 Resp: 265768
Ion Ratio Lower Upper
164 100
162 101.3 81.2 121.8
160 43.8 35.2 52.8

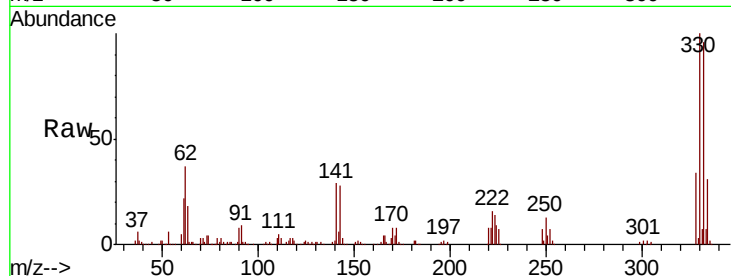




#42
 2,4,6-Tribromophenol
 Concen: 79.500 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BF119008.D
 Acq: 21 Feb 2020 22:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.1	115.7
141	28.8	23.0	34.6

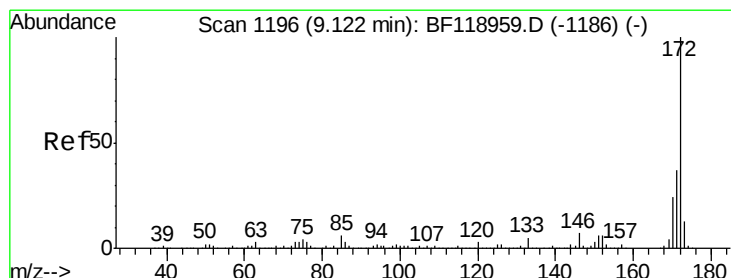
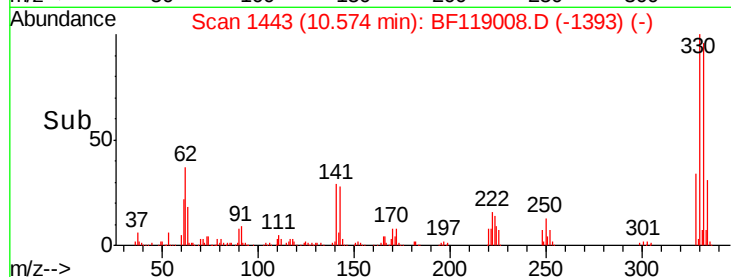
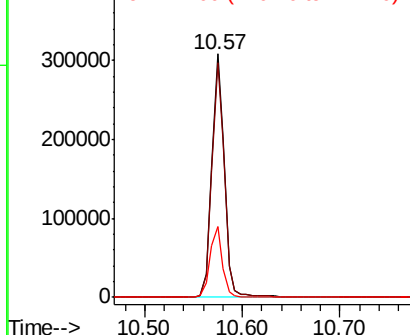


Abundance

Ion 329.80 (329.50 to 330.50): E

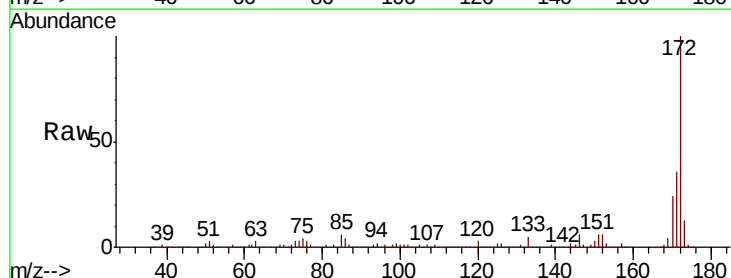
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 58.674 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF119008.D
 Acq: 21 Feb 2020 22:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.4	44.2
170	23.9	19.6	29.4

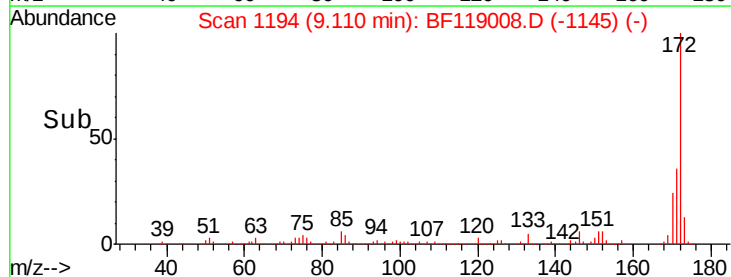
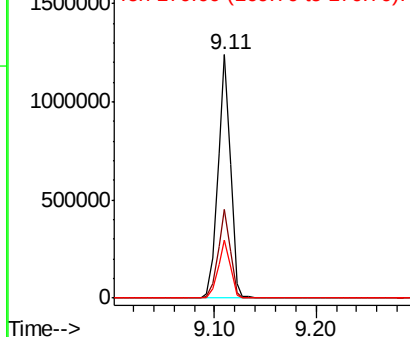


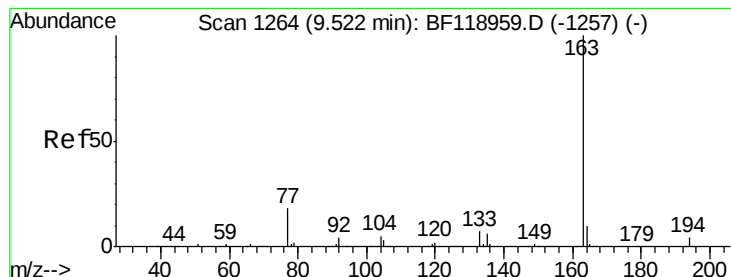
Abundance

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: 8.004 ng

RT: 9.50 min Scan# 1261

Delta R.T. -0.02 min

Lab File: BF119008.D

Acq: 21 Feb 2020 22:42

Instrument :

BNA_F

ClientSampled :

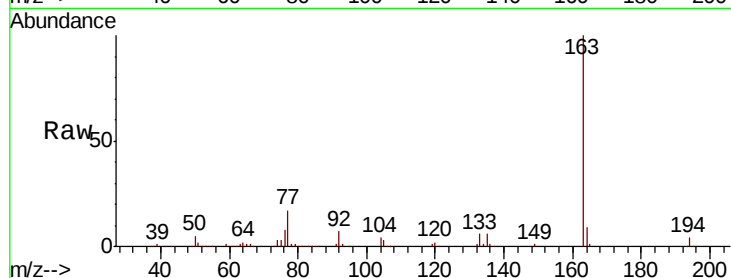
Tot Ion:163 Resp: 162653

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

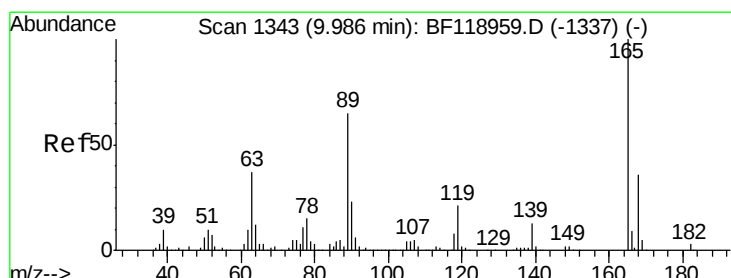
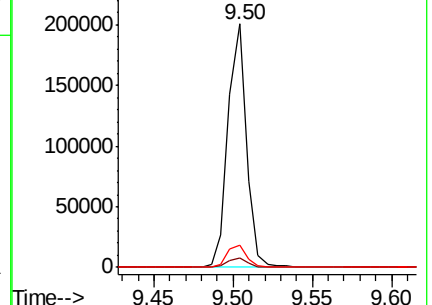
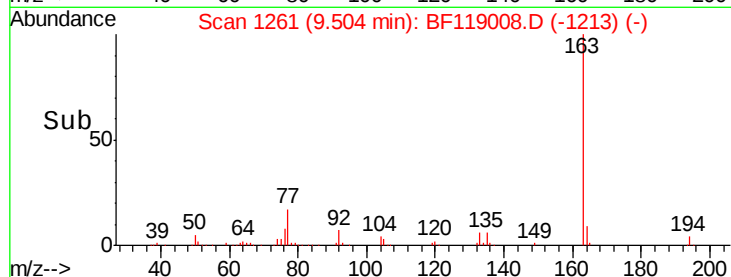
164 9.3 8.2 12.2



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: 5.880 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.20 min

Lab File: BF119008.D

Acq: 21 Feb 2020 22:42

Tgt Ion:165 Resp: 34410

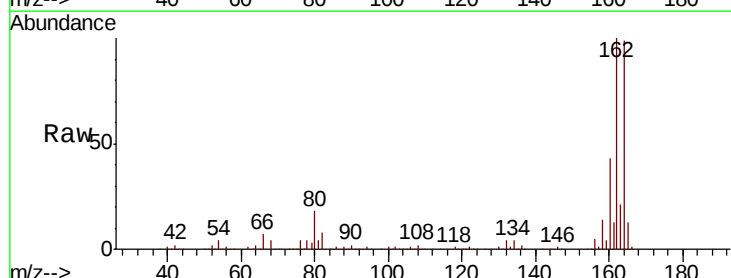
Ion Ratio Lower Upper

165 100

63 1.0 29.8 44.8#

89 1.2 51.9 77.9#

182 0.0 2.3 3.5#

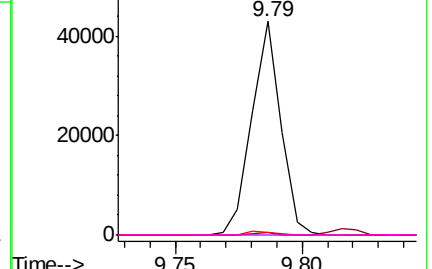
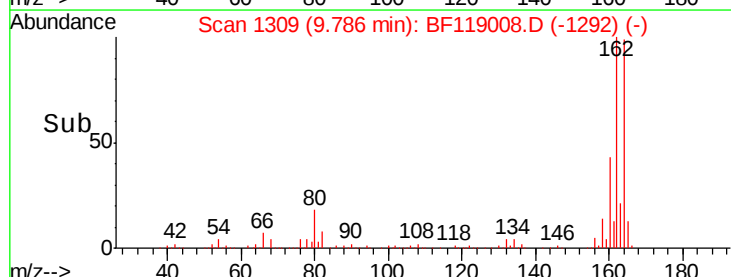


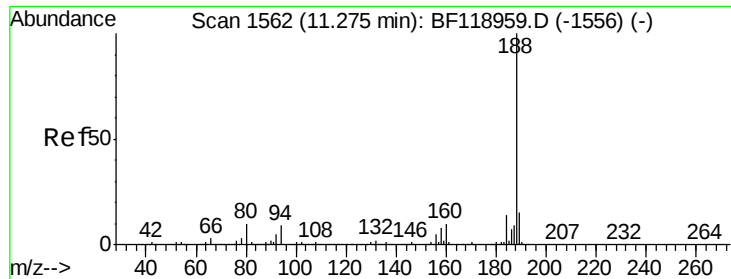
Abundance Ion 165.00 (164.70 to 165.70): E

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

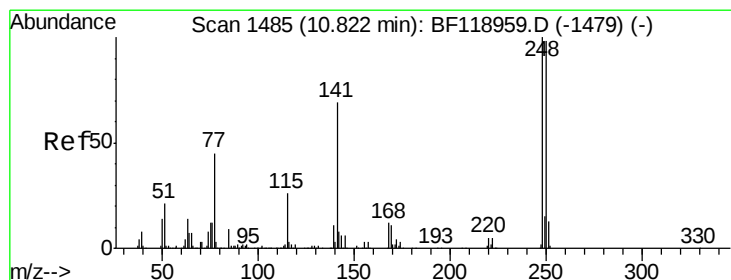
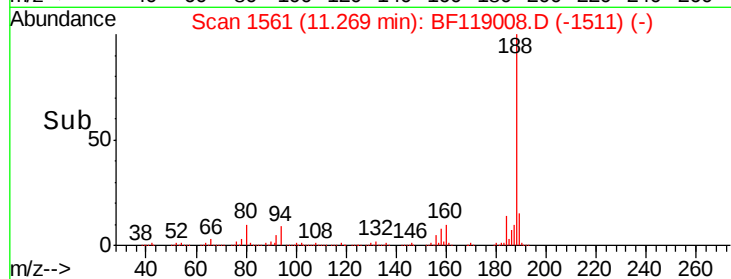
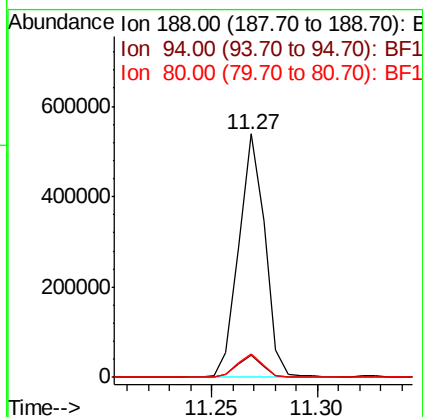
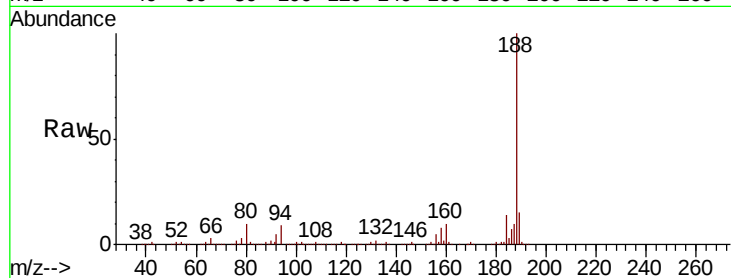




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF119008.D
Acq: 21 Feb 2020 22:42

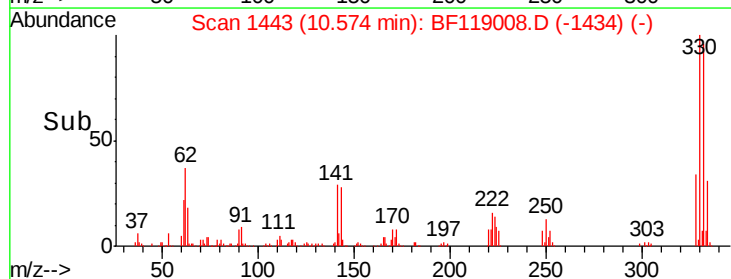
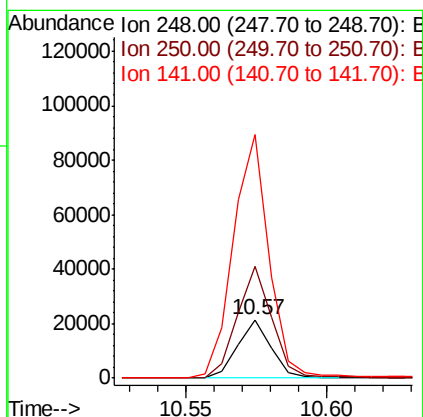
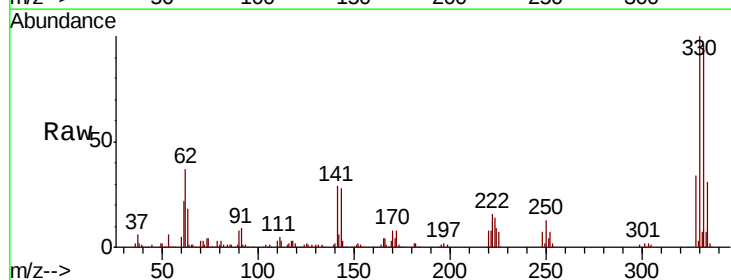
Instrument :
BNA_F
ClientSampleId :

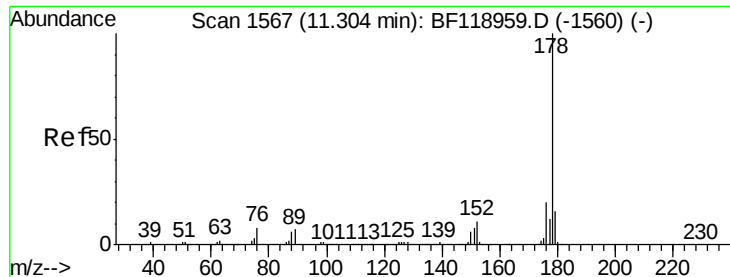
Tot Ion:188 Resp: 461280
Ion Ratio Lower Upper
188 100
94 9.0 7.0 10.6
80 9.5 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 2.911 ng
RT: 10.57 min Scan# 1443
Delta R.T. -0.25 min
Lab File: BF119008.D
Acq: 21 Feb 2020 22:42

Tgt Ion:248 Resp: 17552
Ion Ratio Lower Upper
248 100
250 191.8 78.8 118.2#
141 418.6 55.3 82.9#

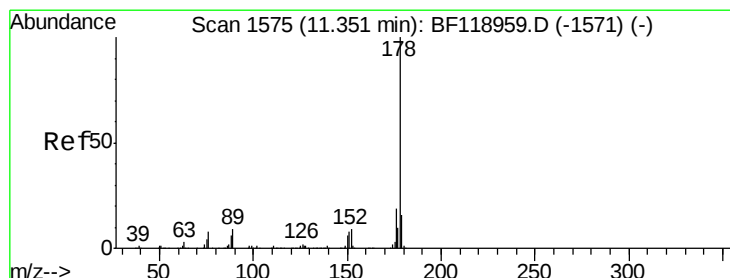
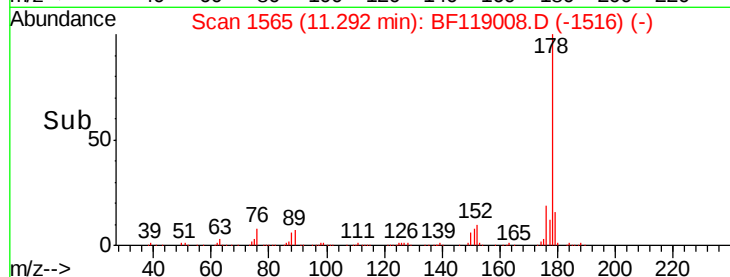
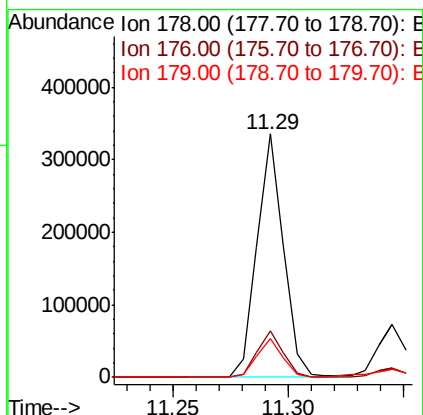
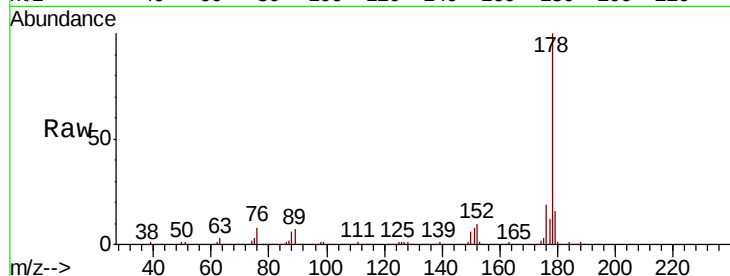




#71
Phenanthrene
Concen: 10.729 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF119008.D
Acq: 21 Feb 2020 22:42

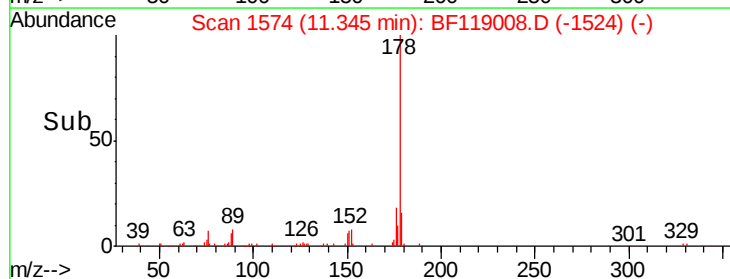
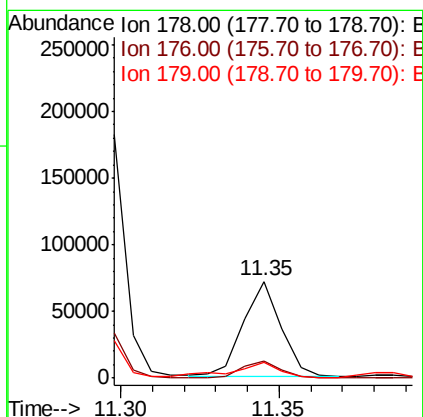
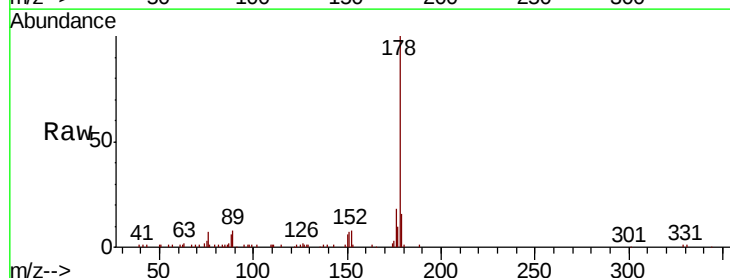
Instrument :
BNA_F
ClientSampleId :

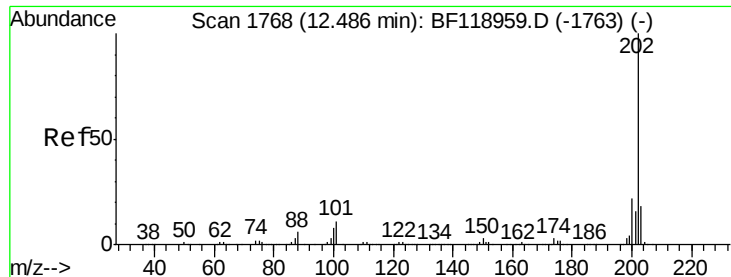
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.6	23.4
179	16.0	12.6	18.8



#72
Anthracene
Concen: 2.365 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF119008.D
Acq: 21 Feb 2020 22:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.2
179	15.7	12.8	19.2





#75

Fluoranthene

Concen: 13.101 ng

RT: 12.48 min Scan# 1767

Delta R.T. -0.01 min

Lab File: BF119008.D

Acq: 21 Feb 2020 22:42

Instrument :

BNA_F

ClientSampled :

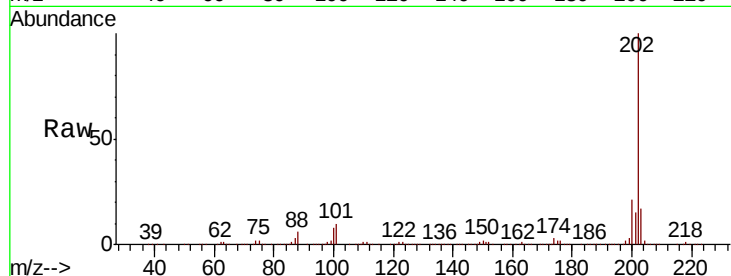
Tot Ion:202 Resp: 349815

Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.1

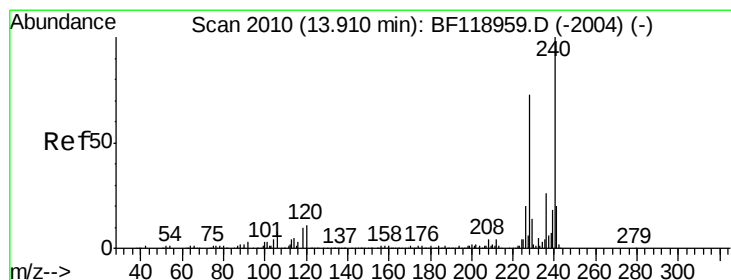
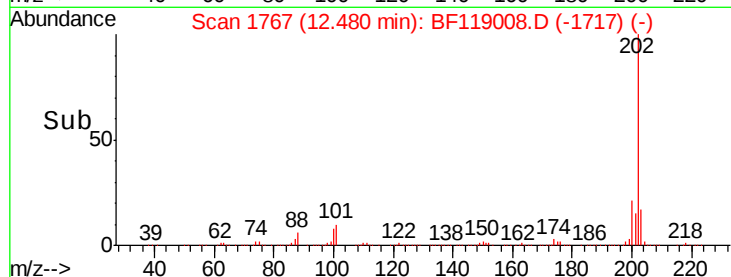
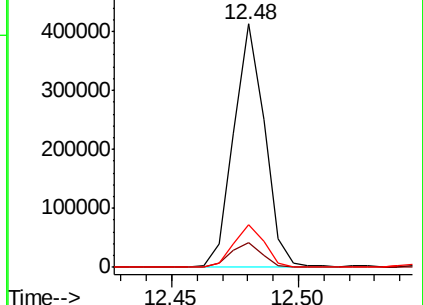
203 17.4 0.0 38.1



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: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF119008.D

Acq: 21 Feb 2020 22:42

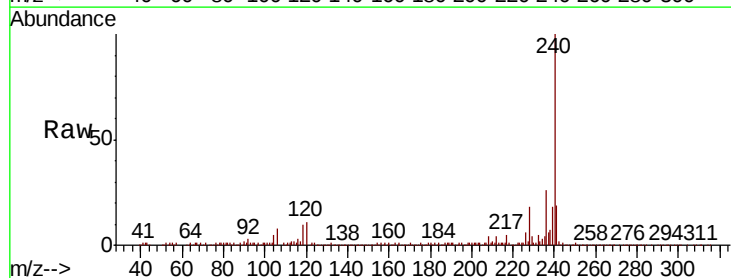
Tgt Ion:240 Resp: 366280

Ion Ratio Lower Upper

240 100

120 11.2 8.9 13.3

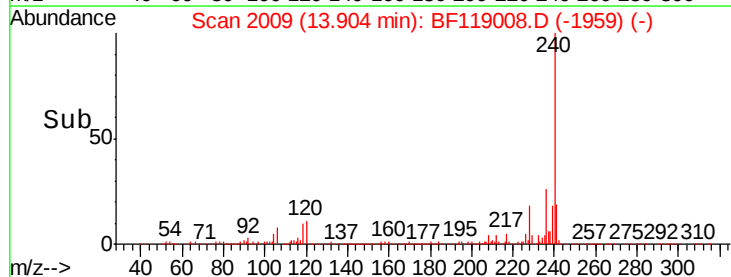
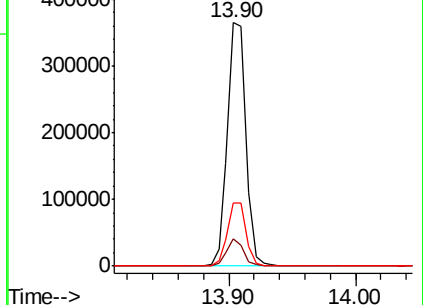
236 25.9 20.6 30.8

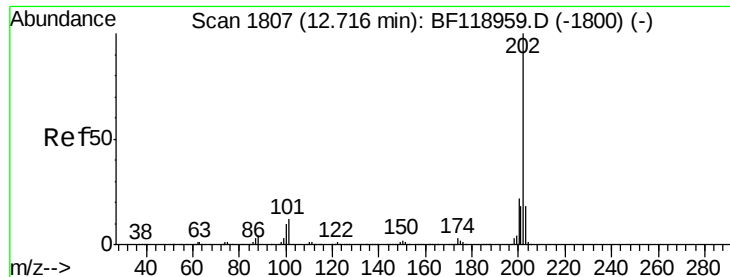


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 10.473 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF119008.D

Acq: 21 Feb 2020 22:42

Instrument :

BNA_F

ClientSampleId :

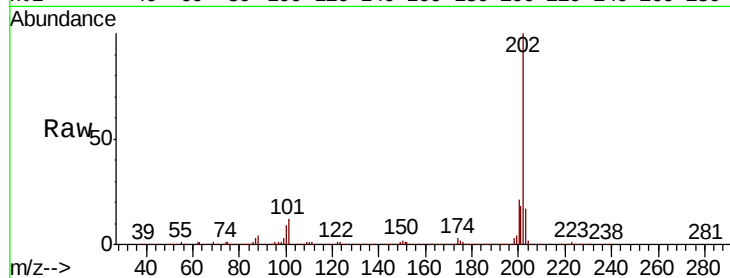
Tot Ion:202 Resp: 308020

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.0

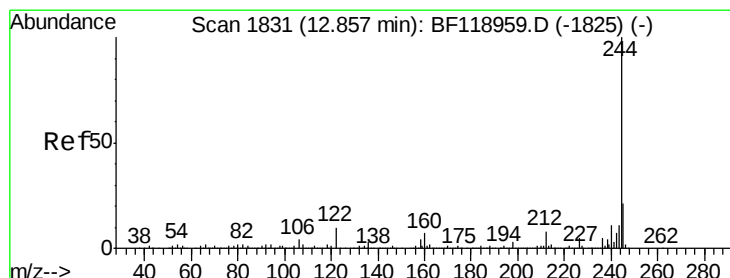
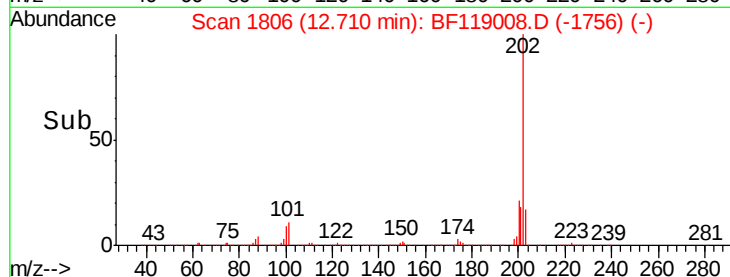
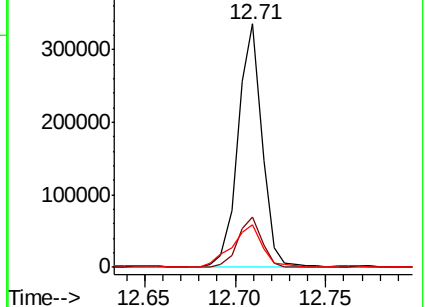
203 17.5 14.5 21.7



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: 55.307 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF119008.D

Acq: 21 Feb 2020 22:42

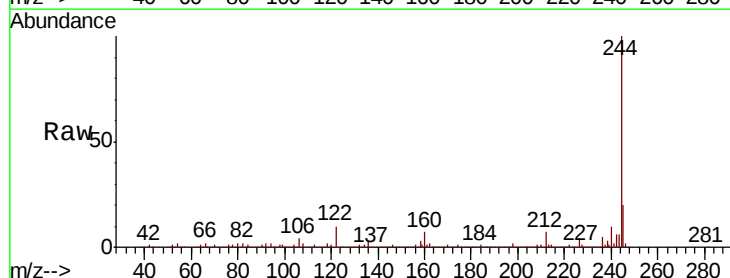
Tgt Ion:244 Resp: 1176640

Ion Ratio Lower Upper

244 100

212 6.9 6.3 9.5

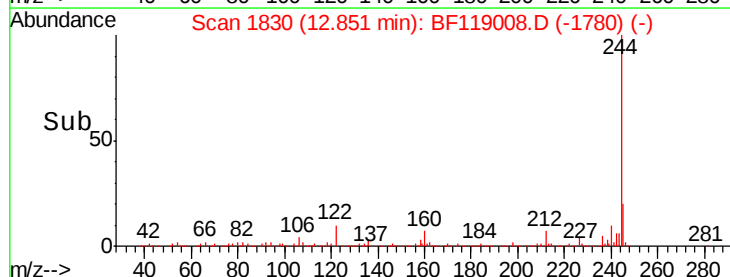
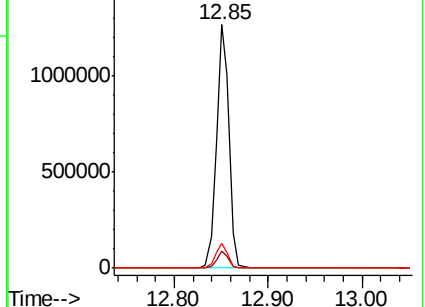
122 10.4 8.4 12.6

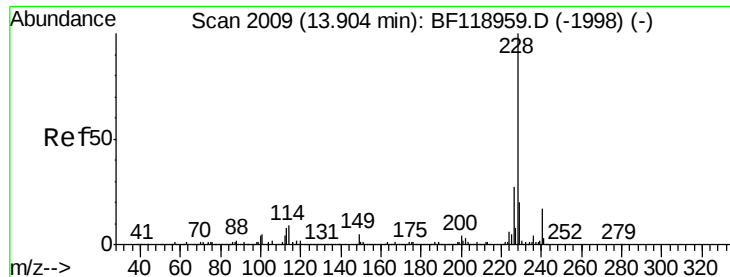


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 5.975 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF119008.D

Acq: 21 Feb 2020 22:42

Instrument :

BNA_F

ClientSampleId :

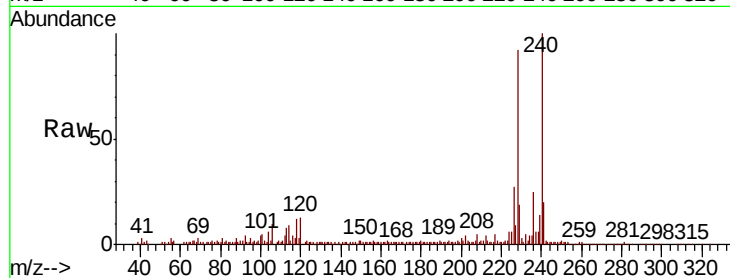
Tot Ion:228 Resp: 149111

Ion Ratio Lower Upper

228 100

226 29.6 21.8 32.8

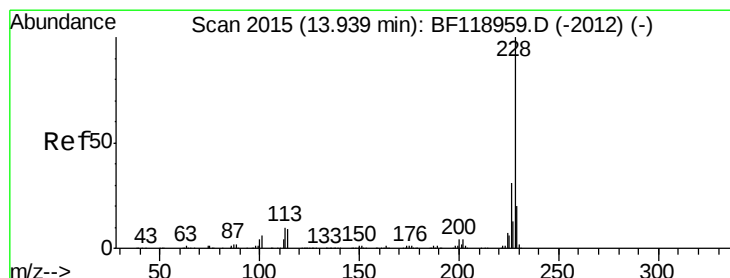
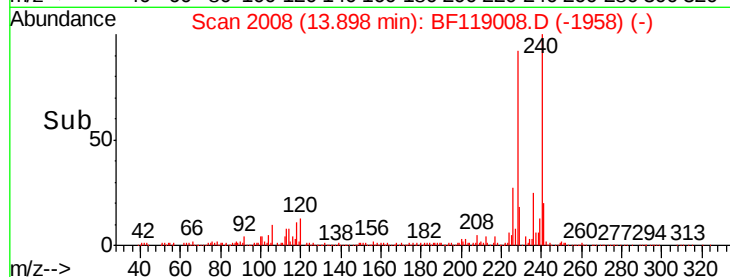
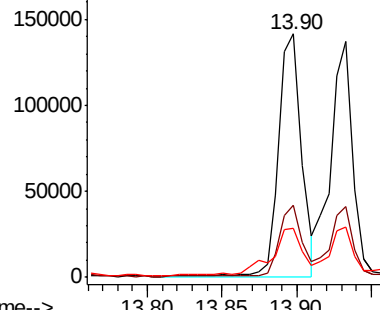
229 20.3 16.0 24.0



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



#83

Chrysene

Concen: 5.703 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF119008.D

Acq: 21 Feb 2020 22:42

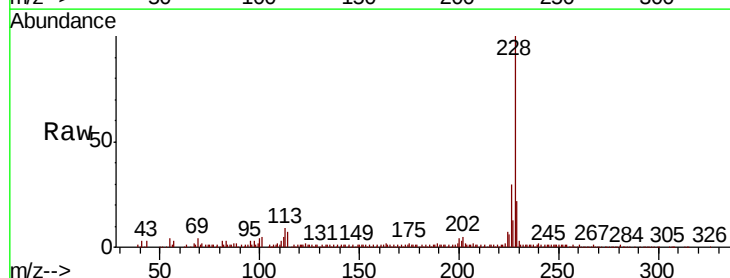
Tgt Ion:228 Resp: 141828

Ion Ratio Lower Upper

228 100

226 29.8 24.6 37.0

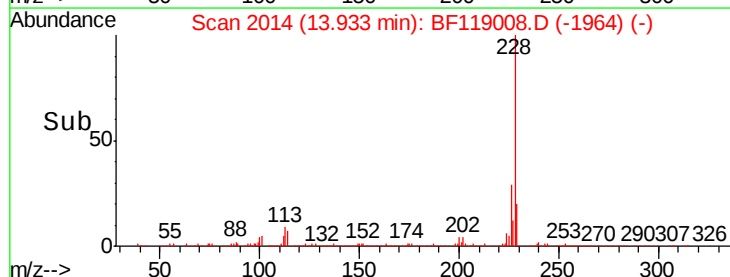
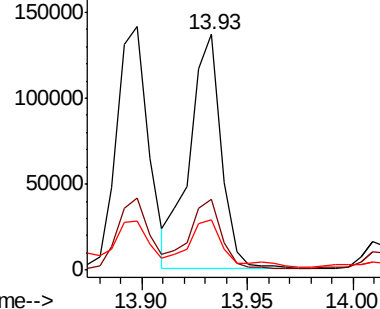
229 21.6 16.2 24.2

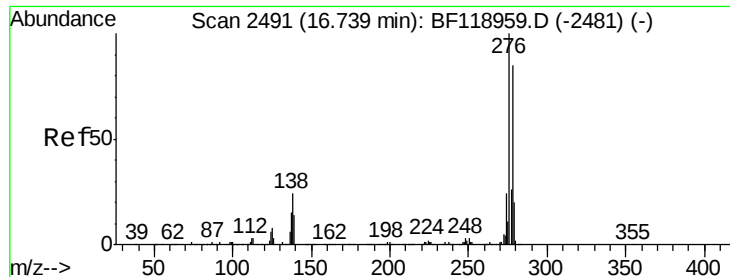


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

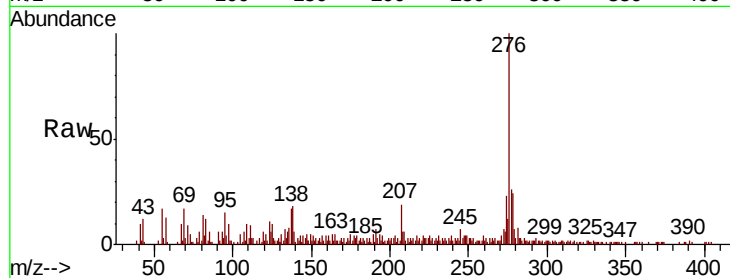




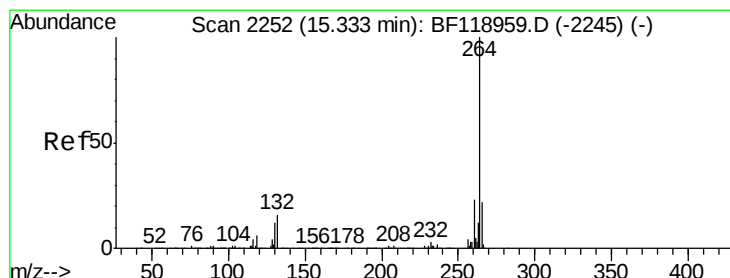
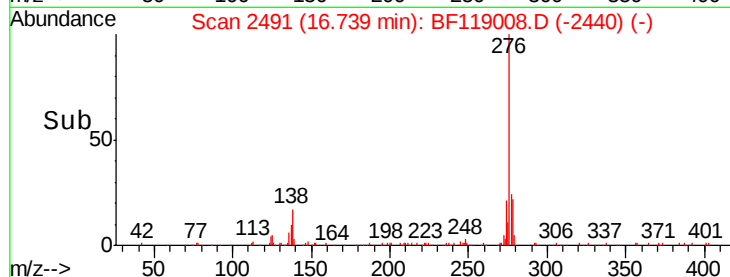
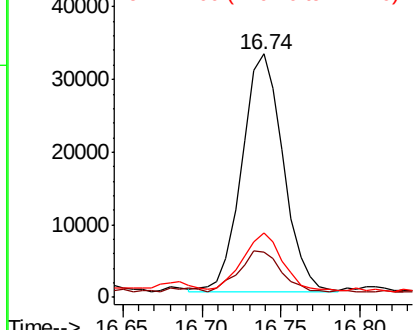
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.468 ng
 RT: 16.74 min Scan# 2491
 Delta R.T. -0.00 min
 Lab File: BF119008.D
 Acq: 21 Feb 2020 22:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 59419
 Ion Ratio Lower Upper
 276 100
 138 17.4 18.7 28.1#
 277 23.6 20.3 30.5

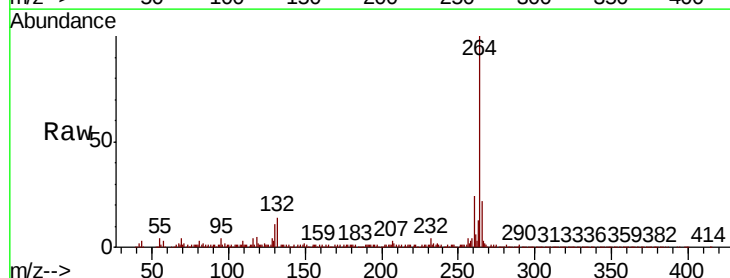


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

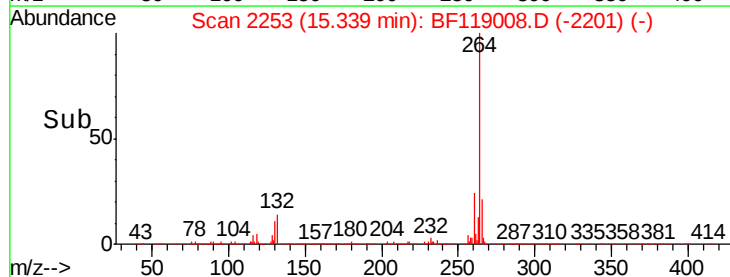
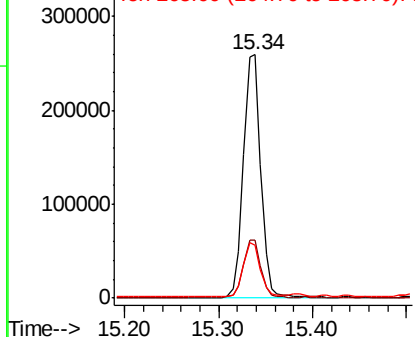


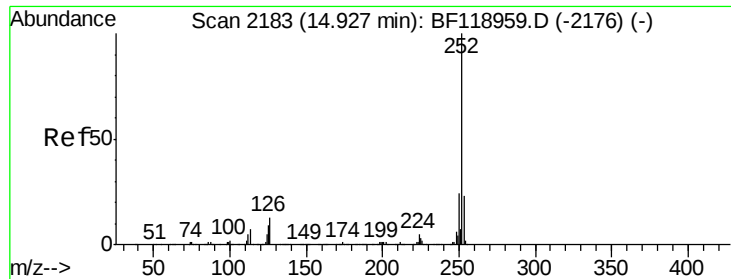
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.34 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: BF119008.D
 Acq: 21 Feb 2020 22:42

Tgt Ion:264 Resp: 331319
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.6 28.0
 265 21.8 17.3 25.9



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

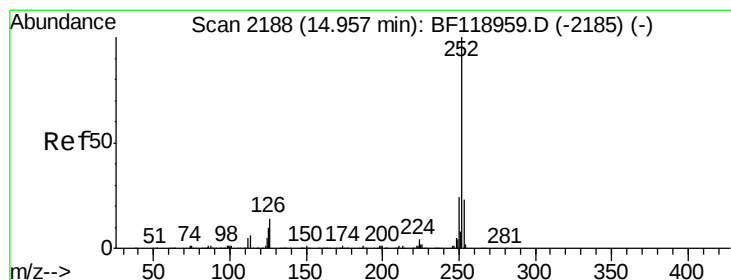
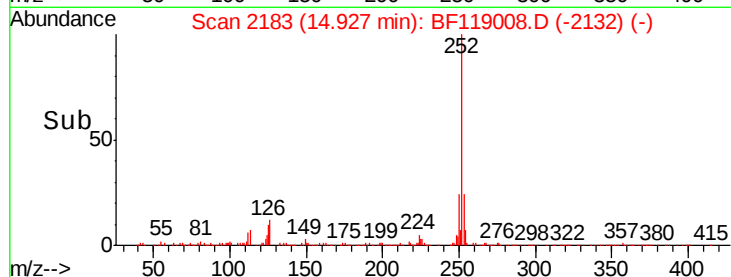
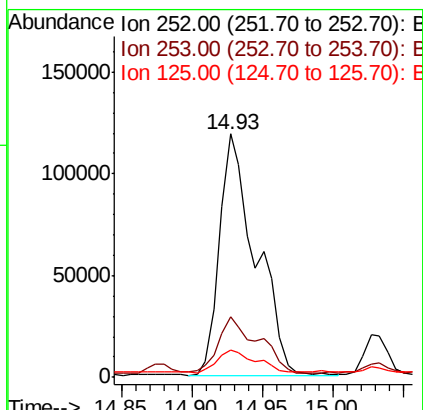
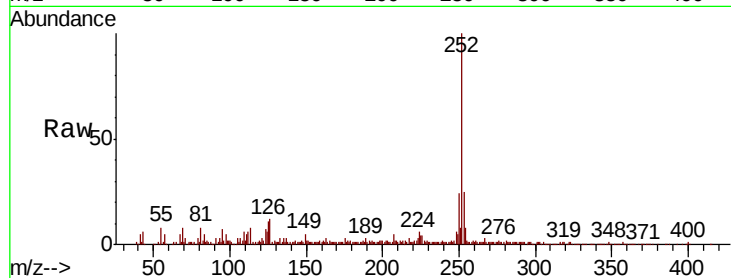




#88
Benzo(b)fluoranthene
Concen: 9.735 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.00 min
Lab File: BF119008.D
Acq: 21 Feb 2020 22:42

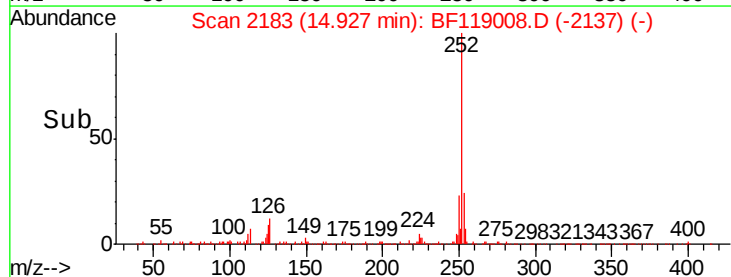
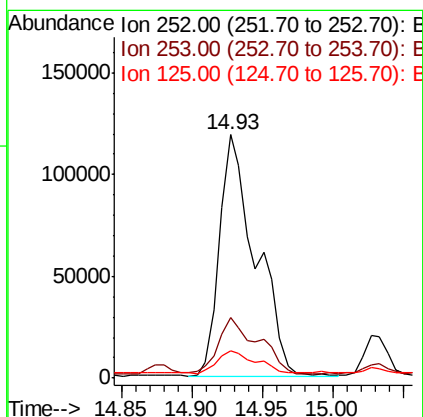
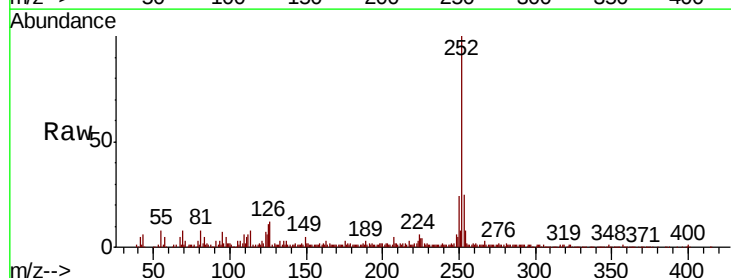
Instrument :
BNA_F
ClientSampleId :

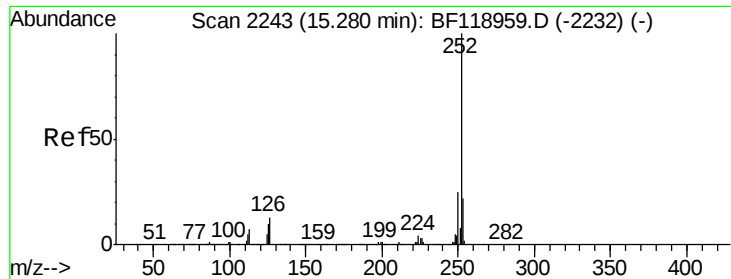
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.2	27.2
125	11.4	7.4	11.0



#89
Benzo(k)fluoranthene
Concen: 10.505 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.03 min
Lab File: BF119008.D
Acq: 21 Feb 2020 22:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.9	26.9
125	11.4	7.3	10.9

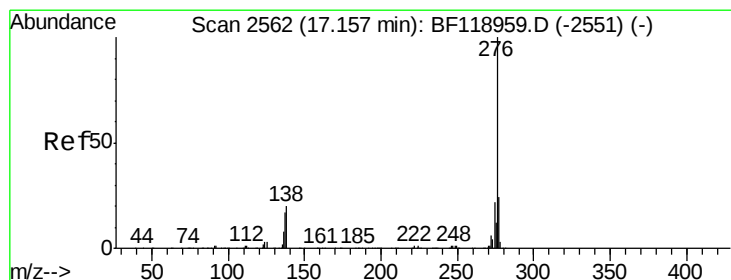
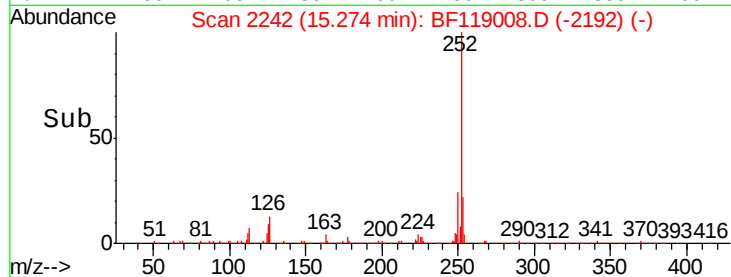
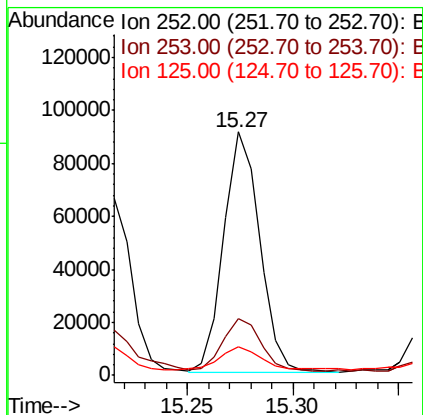
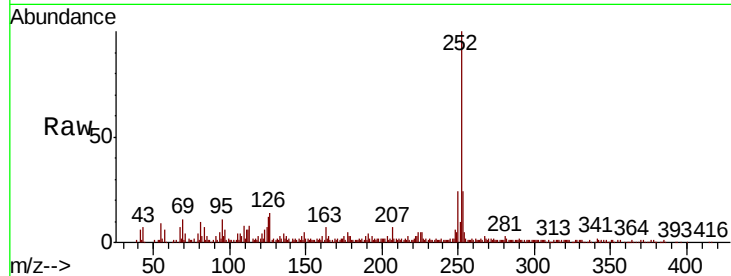




#90
Benzo(a)pyrene
Concen: 5.506 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BF119008.D
Acq: 21 Feb 2020 22:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	12.0	7.8	11.6



#92
Benzo(g,h,i)perylene
Concen: 3.109 ng
RT: 17.16 min Scan# 2563
Delta R.T. 0.01 min
Lab File: BF119008.D
Acq: 21 Feb 2020 22:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.2	28.8
138	19.4	16.2	24.4

