

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020420\
 Data File : BF118819.D
 Acq On : 4 Feb 2020 23:30
 Operator : CG/JU
 Sample : L1383-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 05 06:35:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	274258	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1027453	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	543278	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	901482	20.00	ng	0.00
76) Chrysene-d12	13.96	240	616203	20.00	ng	-0.02
87) Perylene-d12	15.41	264	756955	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	312054	21.54	ng	-0.01
7) Phenol-d6	6.43	99	387392	21.54	ng	-0.02
23) Nitrobenzene-d5	7.37	82	234662	13.61	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	113144	17.41	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	459582	15.12	ng	-0.01
79) Terphenyl-d14	12.91	244	407791	13.59	ng	-0.02

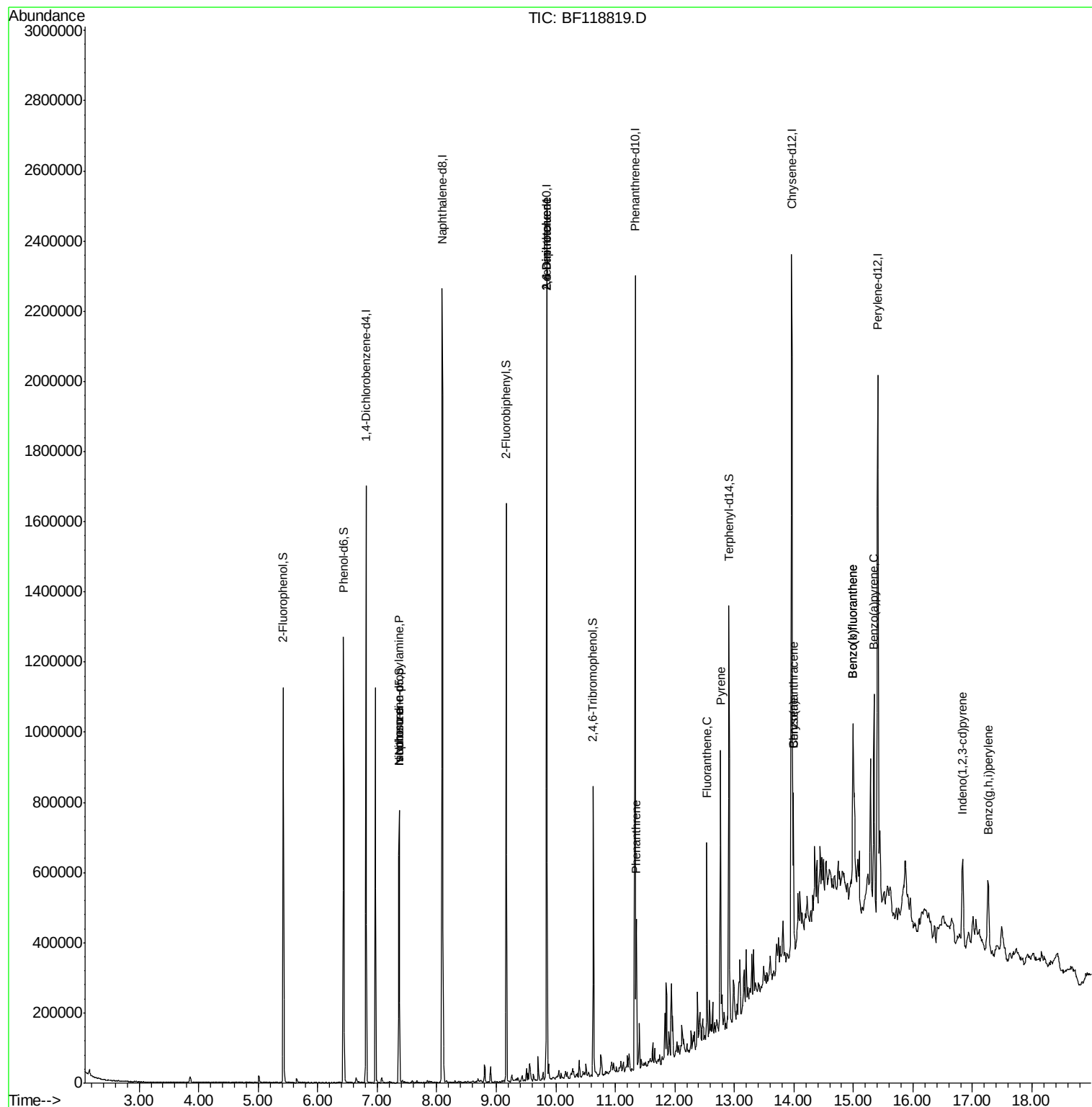
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	259	Below Cal		85
19) n-Nitroso-di-n-propylamine	7.37	70	31036	2.820	ng	# 74
25) Isophorone	7.37	82	234695	7.576	ng	# 63
51) 2,6-Dinitrotoluene	9.85	165	69828	8.250	ng	# 31
57) 2,4-Dinitrotoluene	9.85	165	69828	6.234	ng	# 34
71) Phenanthrene	11.35	178	161185	3.634	ng	97
75) Fluoranthene	12.54	202	203439	4.201	ng	98
78) Pyrene	12.77	202	317596	7.513	ng	97
81) Benzo(a)anthracene	13.99	228	196654	5.363	ng	97
83) Chrysene	13.99	228	196654	5.344	ng	97
86) Indeno(1,2,3-cd)pyrene	16.83	276	160673	4.345	ng	98
88) Benzo(b)fluoranthene	14.99	252	359300	7.649	ng	98
89) Benzo(k)fluoranthene	14.99	252	359300	8.784	ng	# 98
90) Benzo(a)pyrene	15.34	252	283451	7.051	ng	99
92) Benzo(a,h,i)perylene	17.26	276	168721	4.916	ng	97

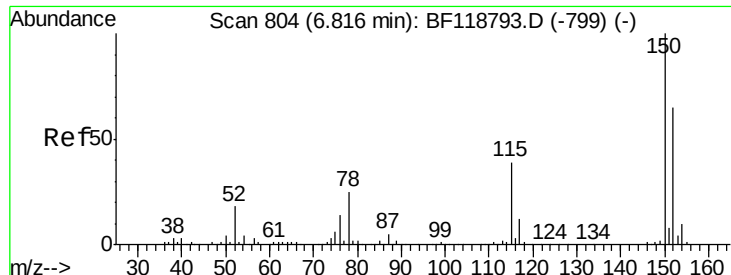
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 03 16:26:03 2020
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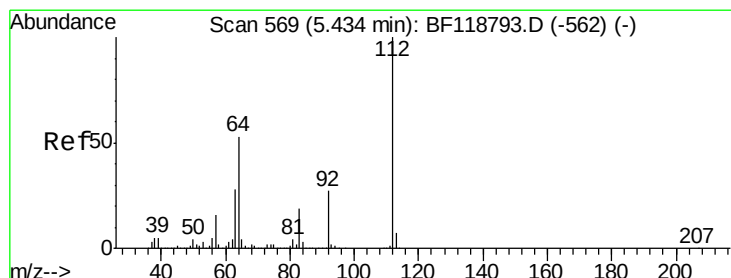
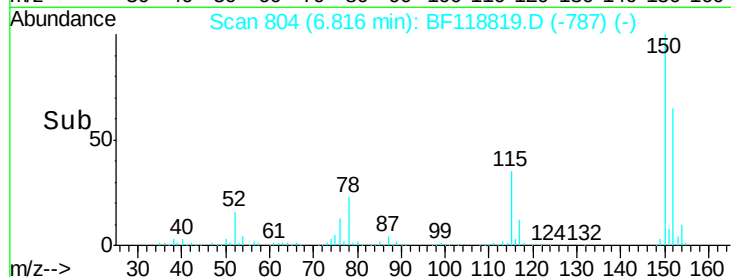
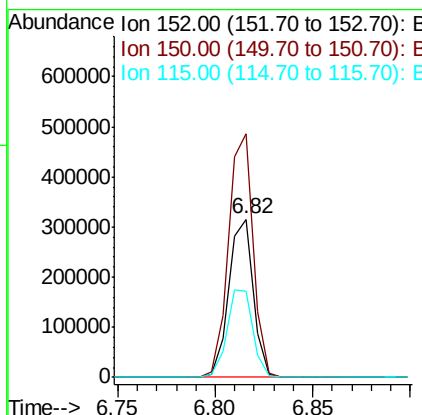
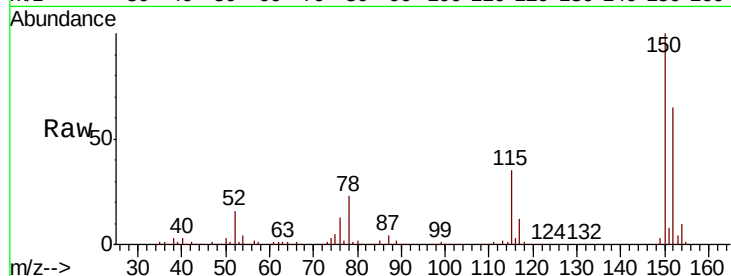


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF118819.D
Acq: 4 Feb 2020 23:30

Instrument :
BNA_G
ClientSampleId :

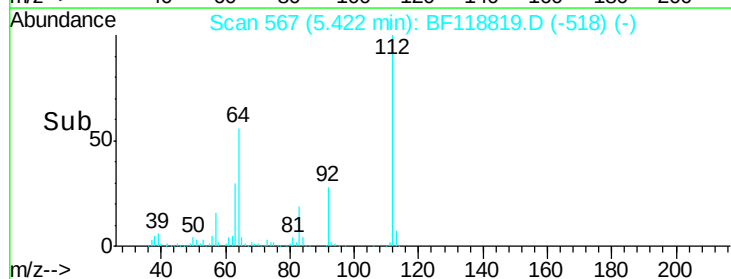
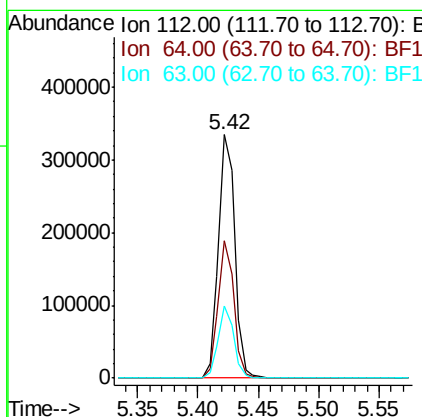
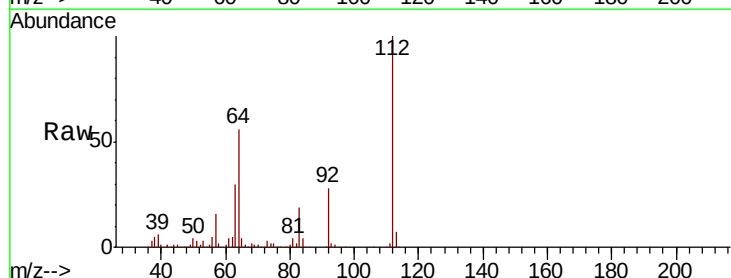
Tot Ion:152 Resp: 274258
Ion Ratio Lower Upper
152 100
150 154.2 123.6 185.4
115 54.7 48.2 72.2

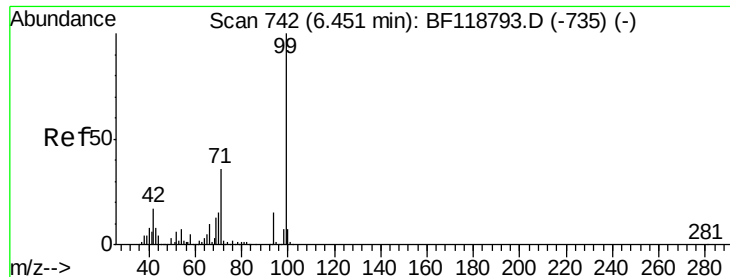


#5

2-Fluorophenol
Concen: 21.538 ng
RT: 5.42 min Scan# 567
Delta R.T. -0.01 min
Lab File: BF118819.D
Acq: 4 Feb 2020 23:30

Tgt Ion:112 Resp: 312054
Ion Ratio Lower Upper
112 100
64 56.2 42.6 63.8
63 29.5 22.2 33.4





#7

Phenol-d6

Concen: 21.539 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.02 min

Lab File: BF118819.D

Acq: 4 Feb 2020 23:30

Instrument :

BNA_G

ClientSampleId :

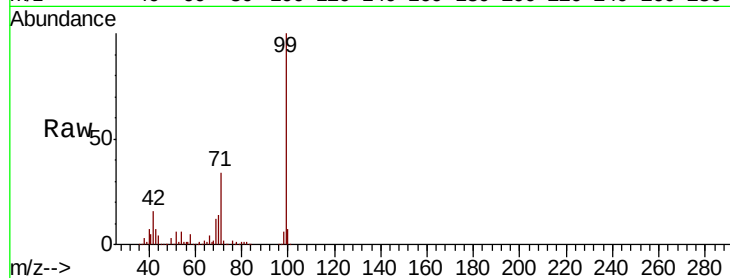
Tot Ion: 99 Resp: 387392

Ion Ratio Lower Upper

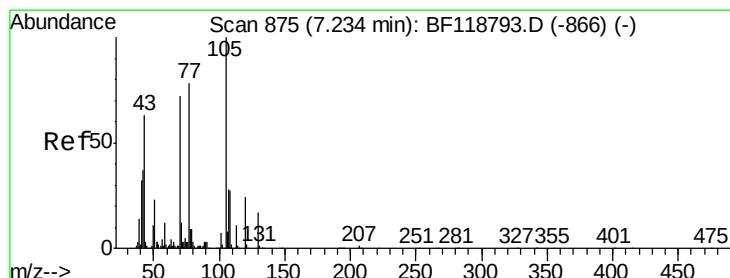
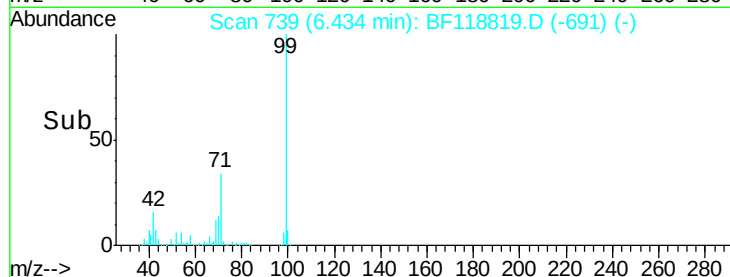
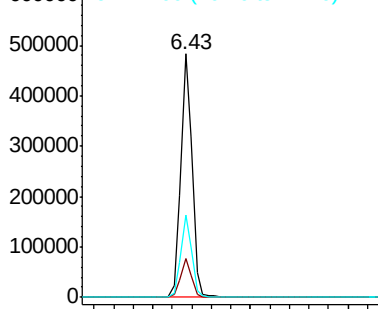
99 100

42 15.9 13.4 20.0

71 34.1 29.0 43.6



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: 2.820 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF118819.D

Acq: 4 Feb 2020 23:30

Tgt Ion: 70 Resp: 31036

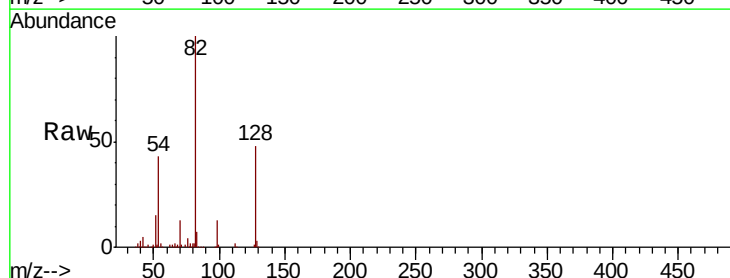
Ion Ratio Lower Upper

70 100

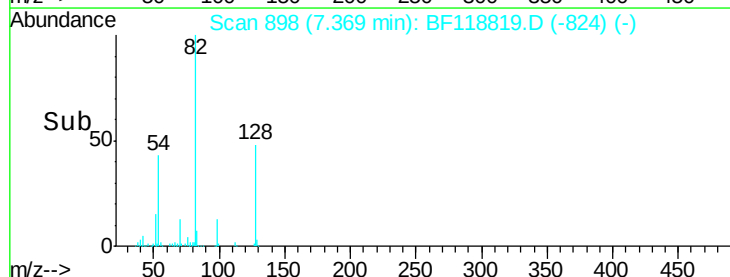
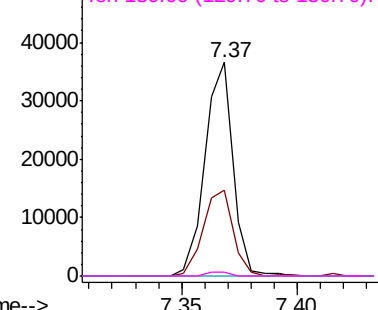
42 40.3 41.5 62.3#

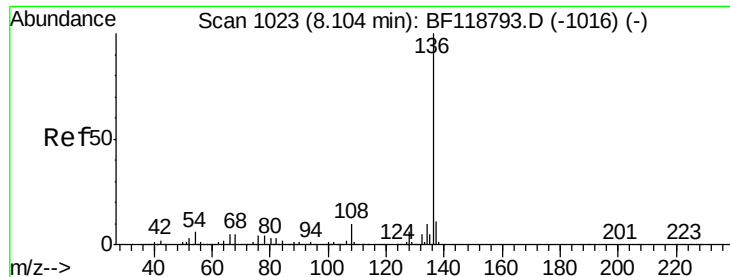
101 0.0 8.3 12.5#

130 1.7 19.2 28.8#



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

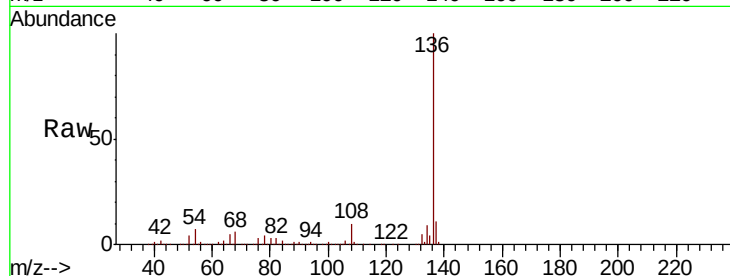




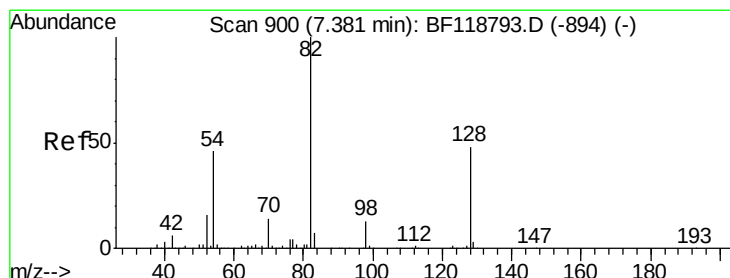
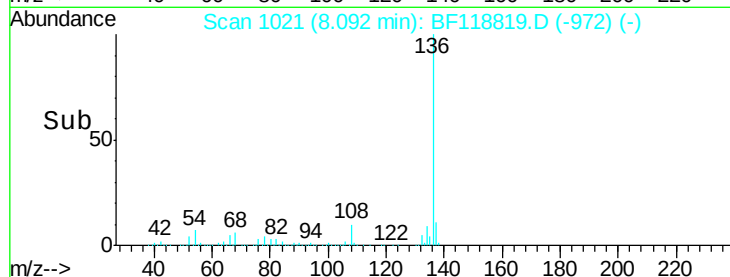
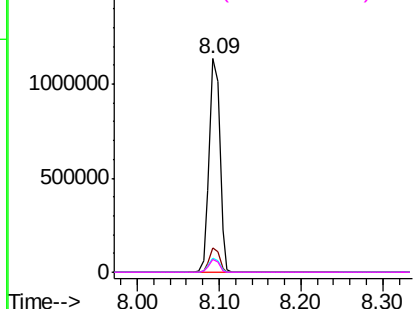
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF118819.D
Acq: 4 Feb 2020 23:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136 Resp: 1027453
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 6.9 5.0 7.6
68 6.0 4.2 6.4

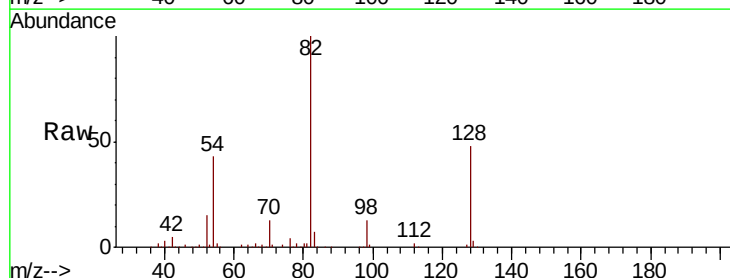


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

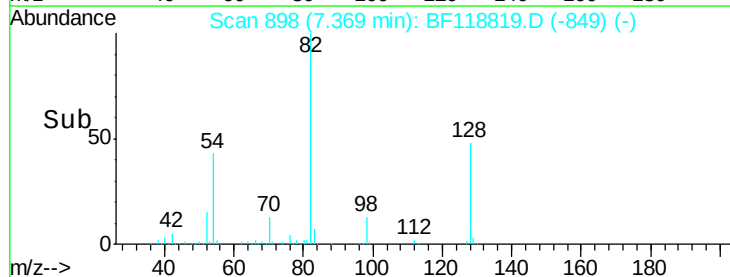
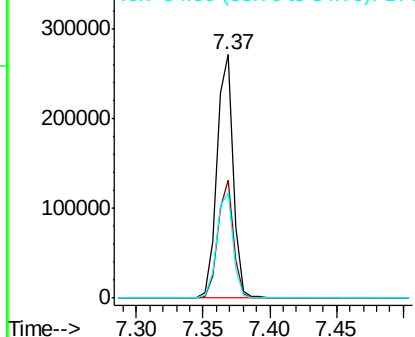


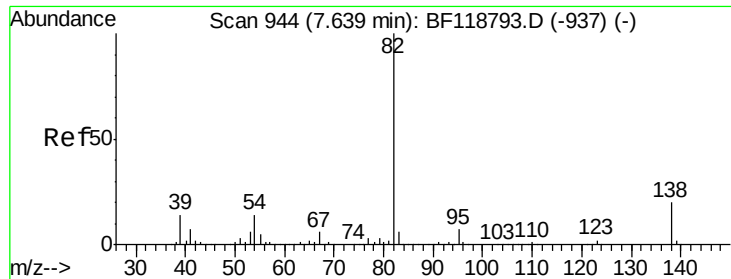
#23
Nitrobenzene-d5
Concen: 13.613 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF118819.D
Acq: 4 Feb 2020 23:30

Tgt Ion: 82 Resp: 234662
Ion Ratio Lower Upper
82 100
128 48.4 38.5 57.7
54 43.2 36.7 55.1



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

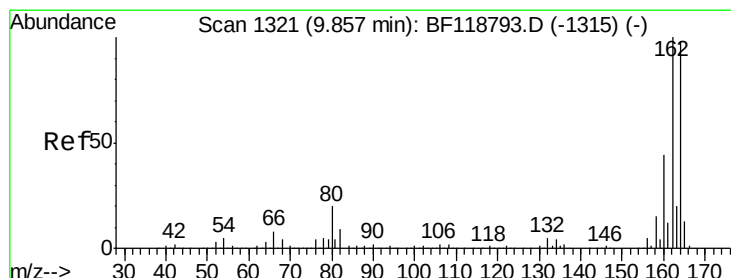
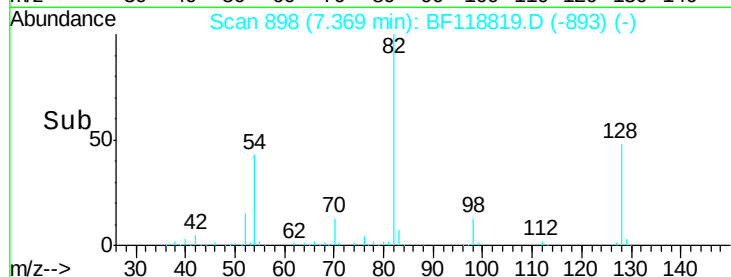
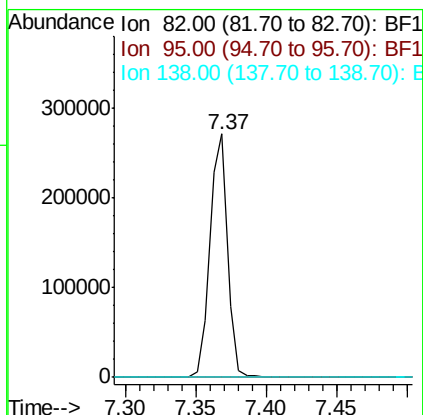
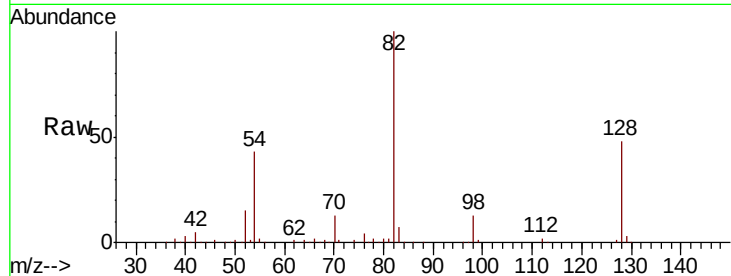




#25
Isophorone
Concen: 7.576 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.27 min
Lab File: BF118819.D
Acq: 4 Feb 2020 23:30

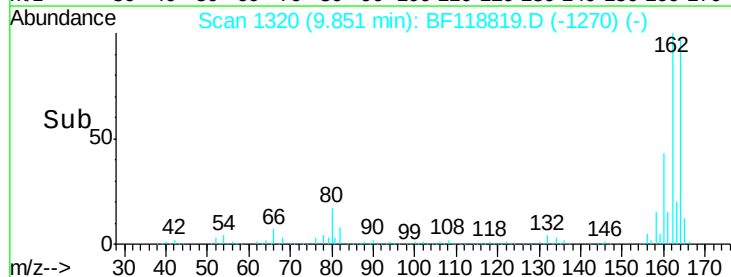
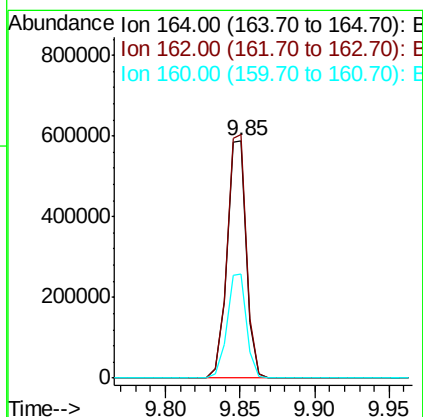
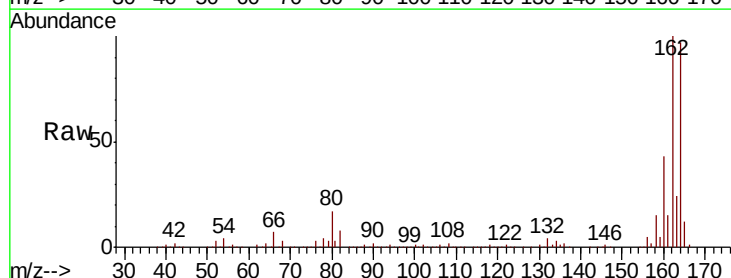
Instrument :
BNA_G
ClientSampleId :

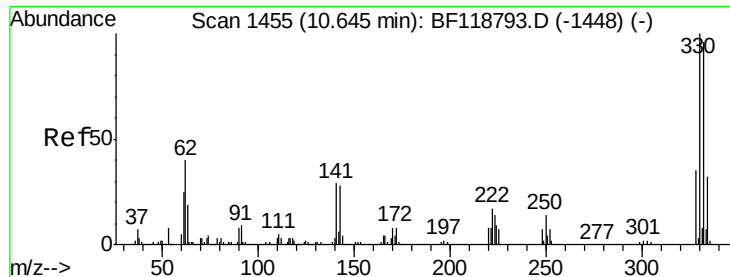
Tot Ion: 82 Resp: 234695
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.7 23.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF118819.D
Acq: 4 Feb 2020 23:30

Tgt Ion: 164 Resp: 543278
Ion Ratio Lower Upper
164 100
162 102.6 81.4 122.2
160 44.1 35.6 53.4

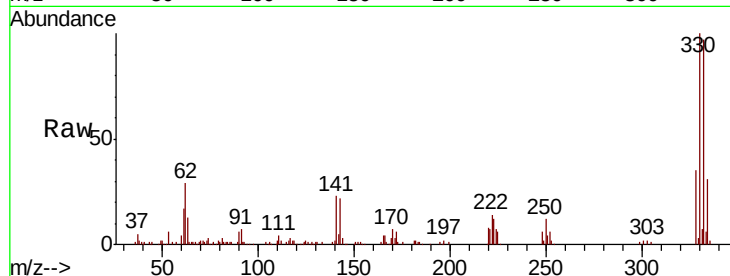




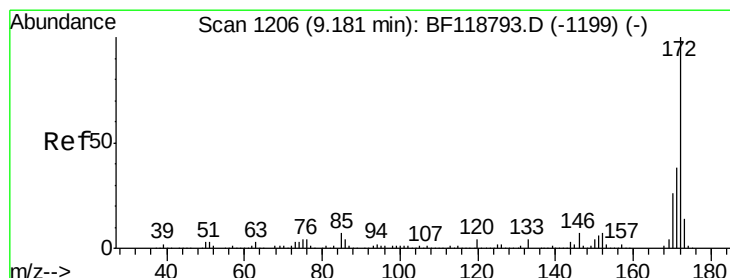
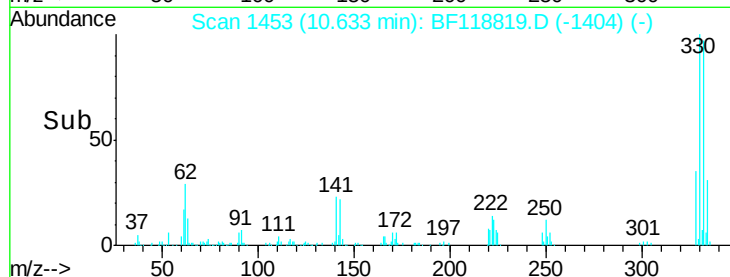
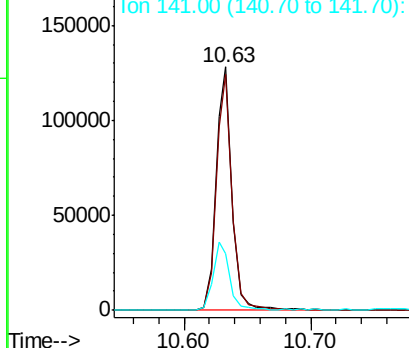
#42
 2,4,6-Tribromophenol
 Concen: 17.406 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF118819.D
 Acq: 4 Feb 2020 23:30

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.3	115.9
141	29.4	22.4	33.6

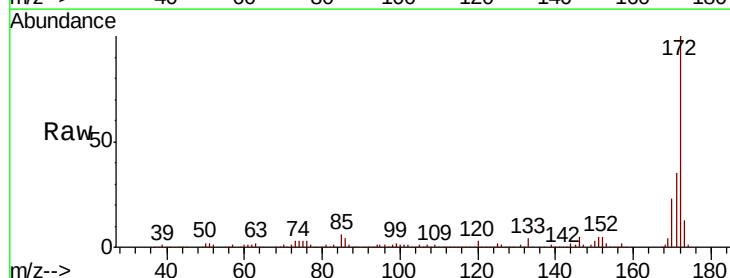


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

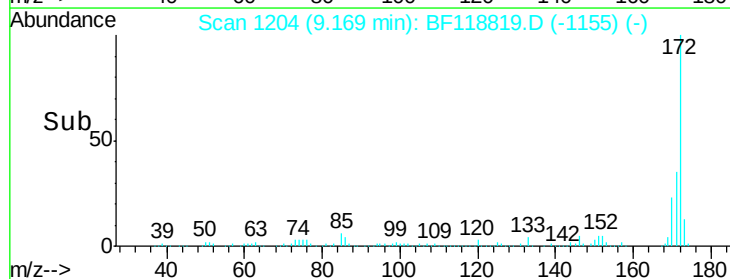
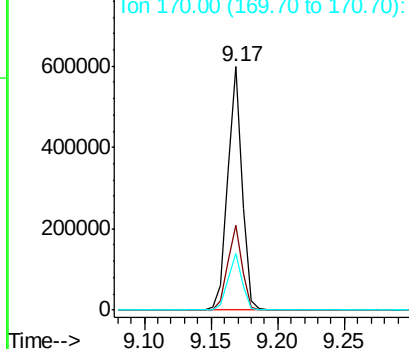


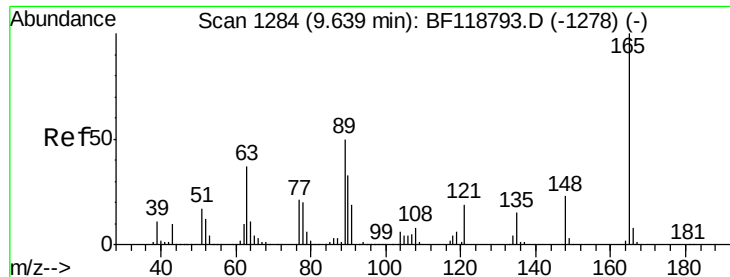
#45
 2-Fluorobiphenyl
 Concen: 15.123 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF118819.D
 Acq: 4 Feb 2020 23:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	30.8	46.2
170	23.3	20.5	30.7



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





#51

2,6-Dinitrotoluene

Concen: 8.250 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF118819.D

Acq: 4 Feb 2020 23:30

Instrument :

BNA_G

ClientSampleId :

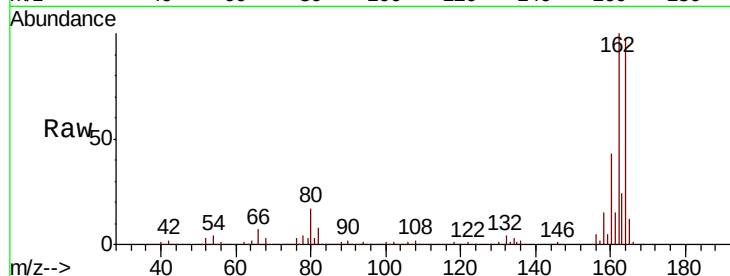
Tot Ion:165 Resp: 69828

Ion Ratio Lower Upper

165 100

63 1.0 37.4 56.0#

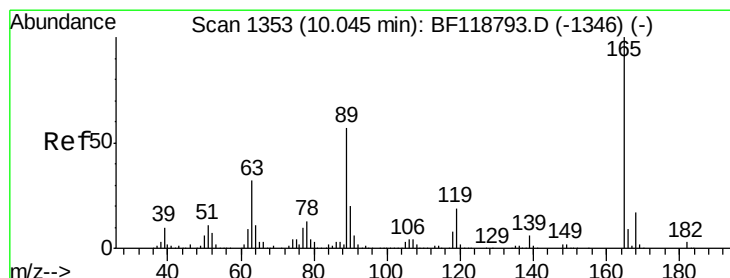
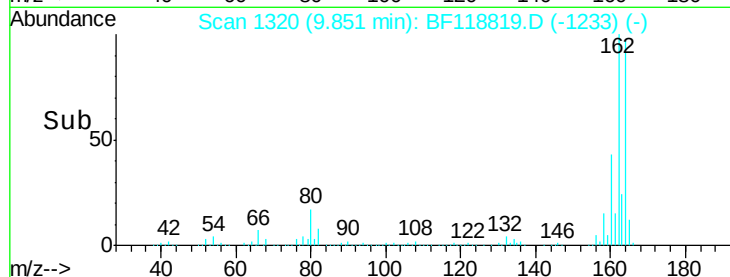
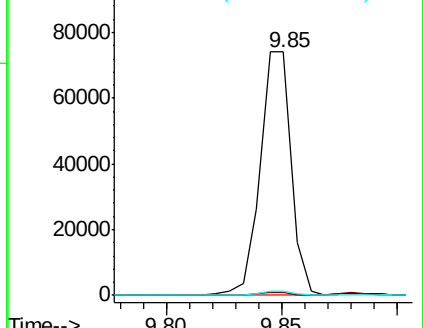
89 1.5 39.7 59.5#



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



#57

2,4-Dinitrotoluene

Concen: 6.234 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.19 min

Lab File: BF118819.D

Acq: 4 Feb 2020 23:30

Tgt Ion:165 Resp: 69828

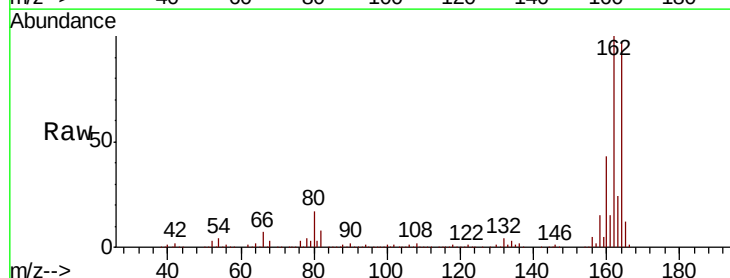
Ion Ratio Lower Upper

165 100

63 1.0 25.5 38.3#

89 1.5 45.4 68.0#

182 0.0 2.4 3.6#

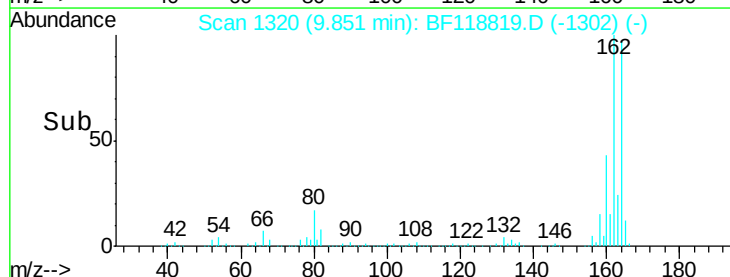
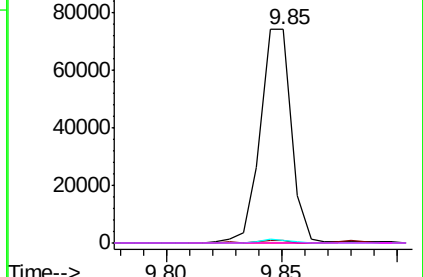


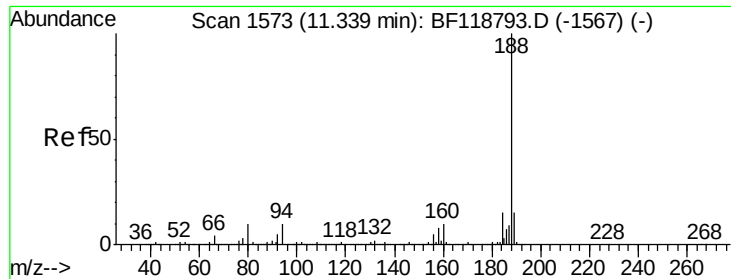
Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.01 min

Lab File: BF118819.D

Acq: 4 Feb 2020 23:30

Instrument :

BNA_G

ClientSampleId :

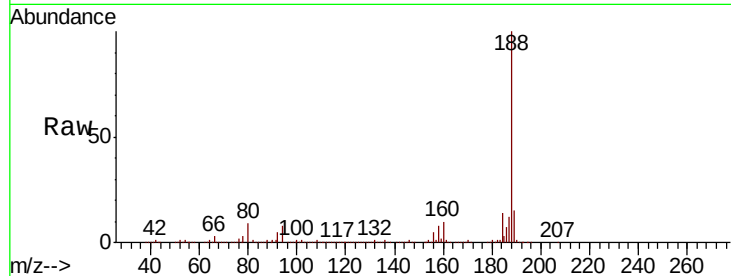
Tot Ion:188 Resp: 901482

Ion Ratio Lower Upper

188 100

94 8.1 7.9 11.9

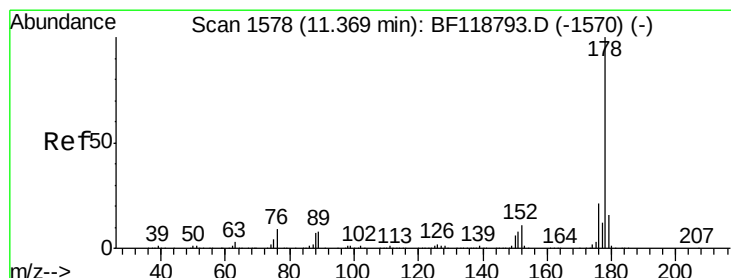
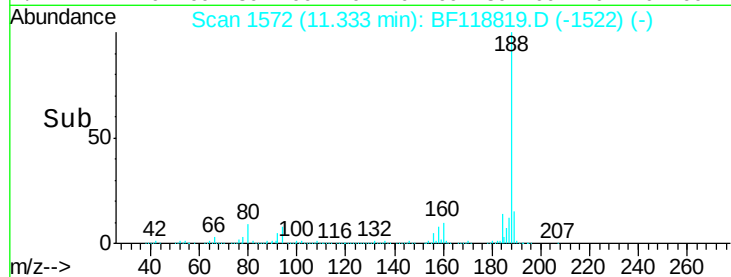
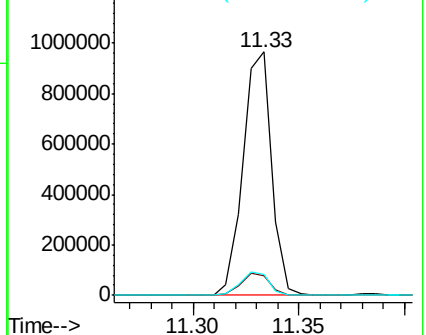
80 8.6 8.4 12.6



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



#71

Phenanthrene

Concen: 3.634 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.02 min

Lab File: BF118819.D

Acq: 4 Feb 2020 23:30

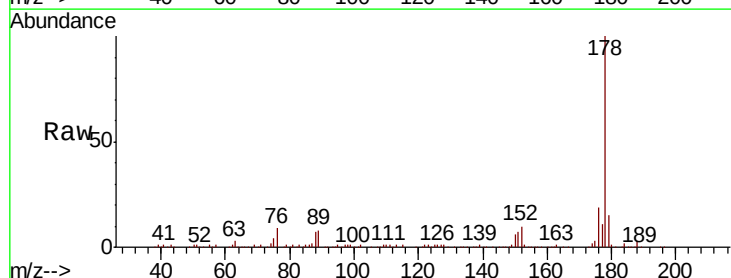
Tgt Ion:178 Resp: 161185

Ion Ratio Lower Upper

178 100

176 18.9 16.6 24.8

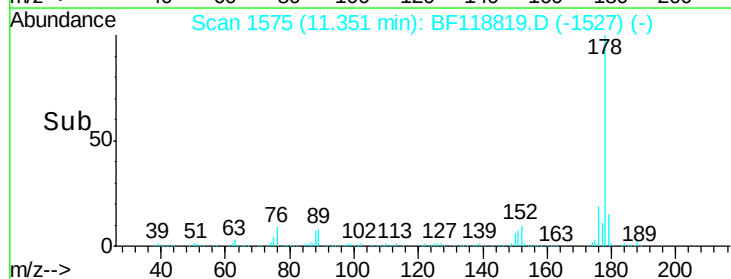
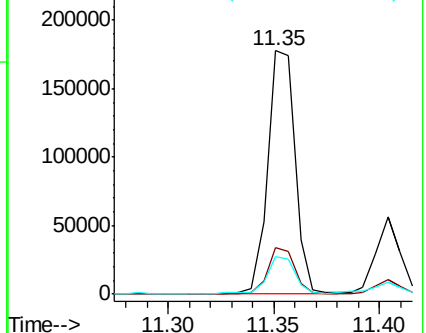
179 15.5 13.2 19.8

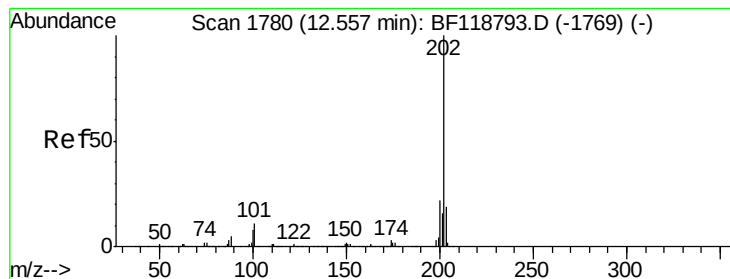


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 4.201 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.02 min

Lab File: BF118819.D

Acq: 4 Feb 2020 23:30

Instrument :

BNA_G

ClientSampleId :

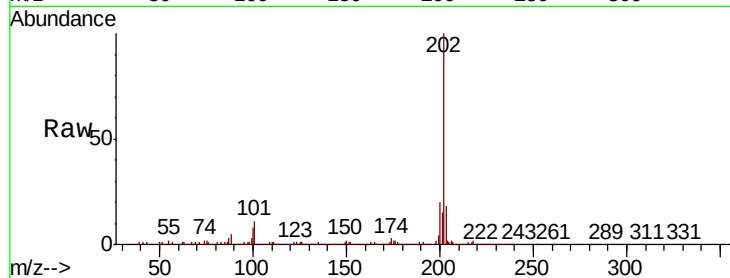
Tot Ion:202 Resp: 203439

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.0

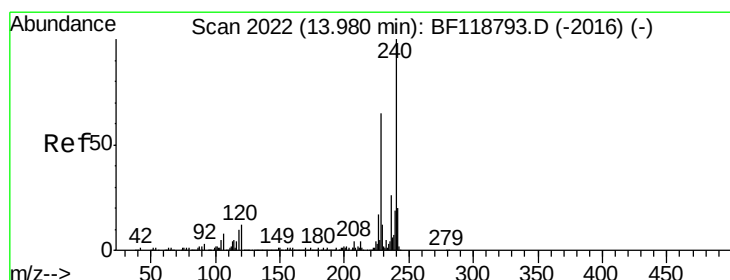
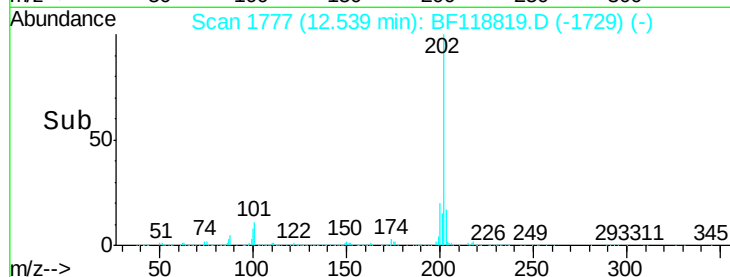
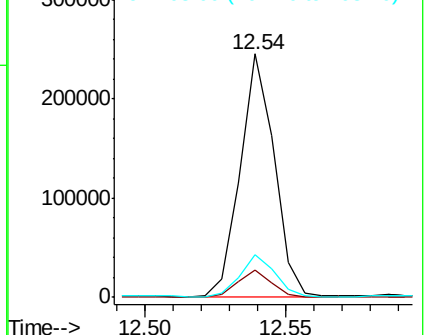
203 17.5 0.0 38.7



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: 13.96 min Scan# 2019

Delta R.T. -0.02 min

Lab File: BF118819.D

Acq: 4 Feb 2020 23:30

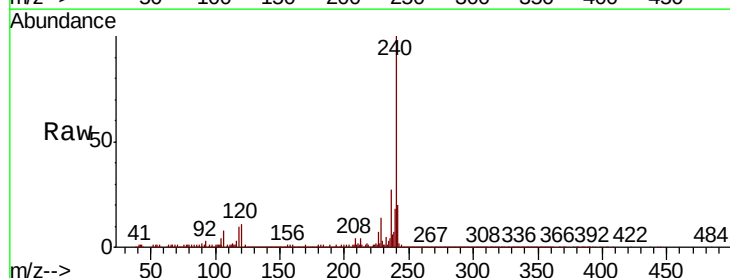
Tgt Ion:240 Resp: 616203

Ion Ratio Lower Upper

240 100

120 10.8 9.4 14.0

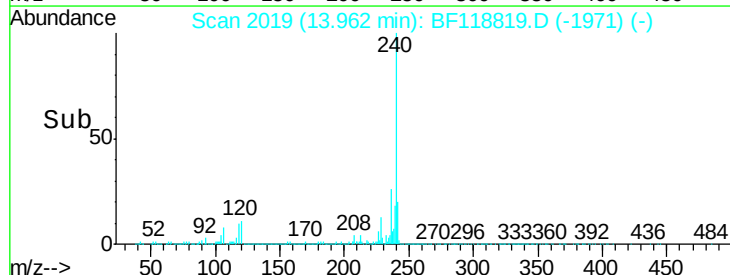
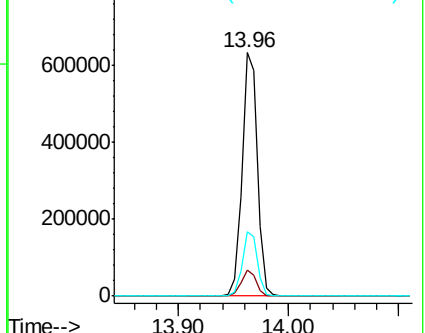
236 26.5 21.0 31.6

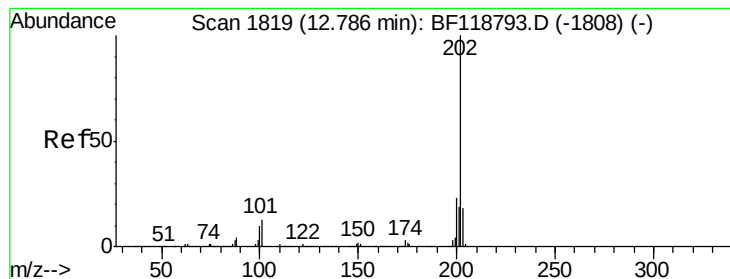


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 7.513 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF118819.D

Acq: 4 Feb 2020 23:30

Instrument :

BNA_G

ClientSampled :

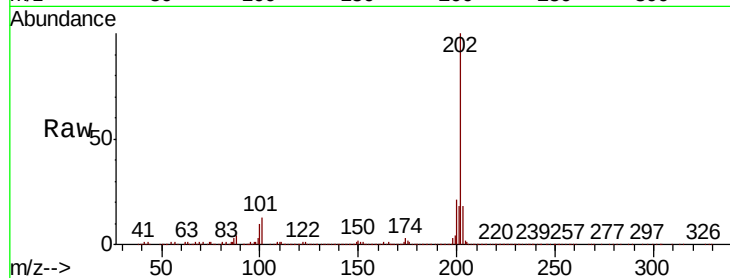
Tot Ion:202 Resp: 317596

Ion Ratio Lower Upper

202 100

200 21.1 18.2 27.2

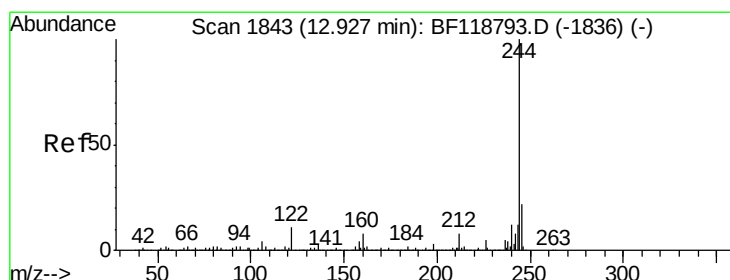
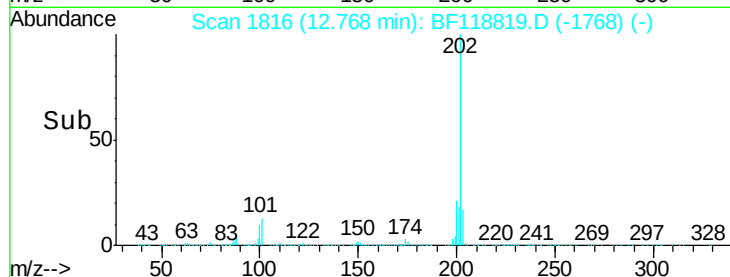
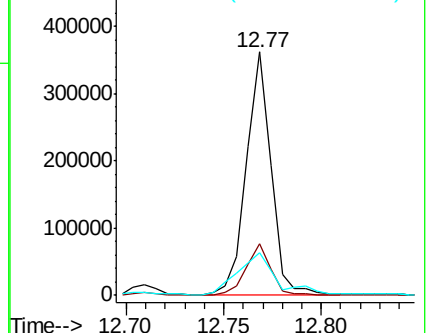
203 17.7 14.8 22.2



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: 13.593 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.02 min

Lab File: BF118819.D

Acq: 4 Feb 2020 23:30

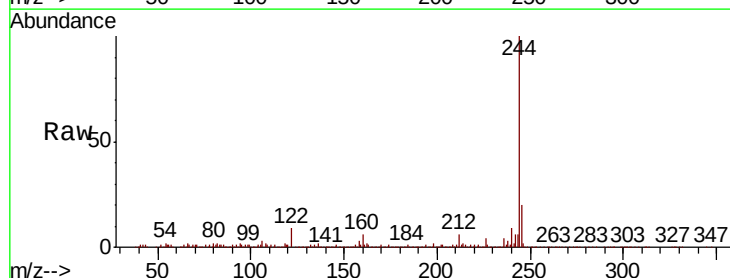
Tgt Ion:244 Resp: 407791

Ion Ratio Lower Upper

244 100

212 6.1 6.5 9.7#

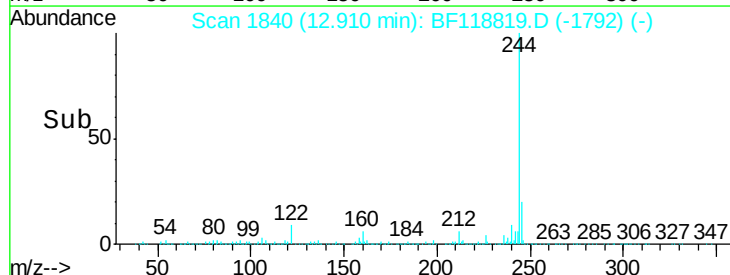
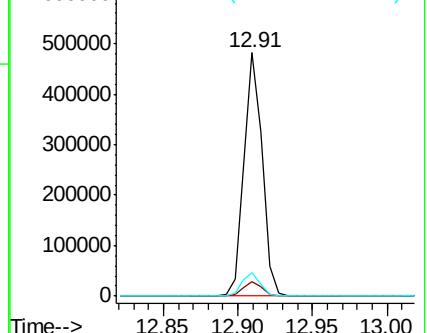
122 9.5 8.9 13.3

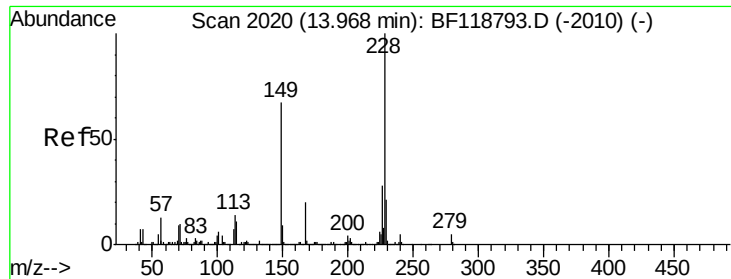


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 5.363 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.02 min

Lab File: BF118819.D

Acq: 4 Feb 2020 23:30

Instrument :

BNA_G

ClientSampleId :

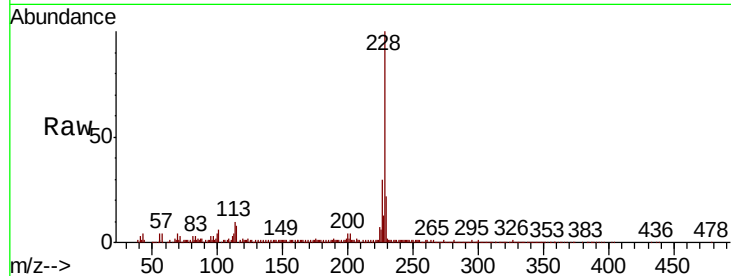
Tot Ion:228 Resp: 196654

Ion Ratio Lower Upper

228 100

226 30.1 22.7 34.1

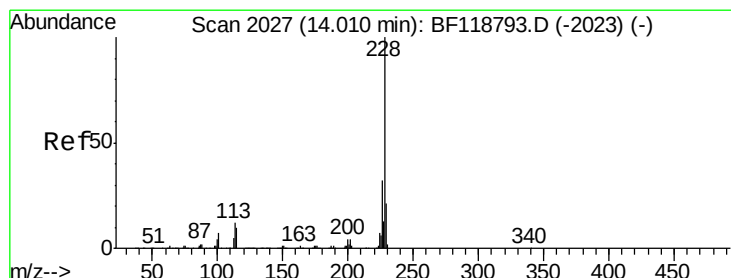
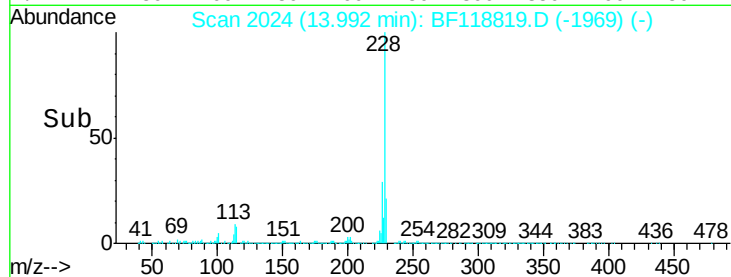
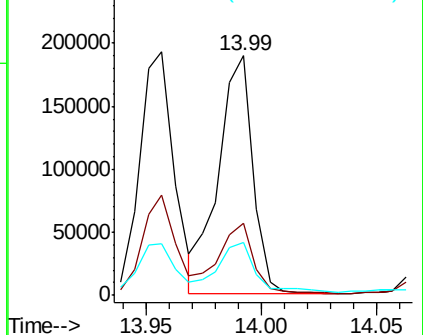
229 22.1 16.6 25.0



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: 5.344 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.02 min

Lab File: BF118819.D

Acq: 4 Feb 2020 23:30

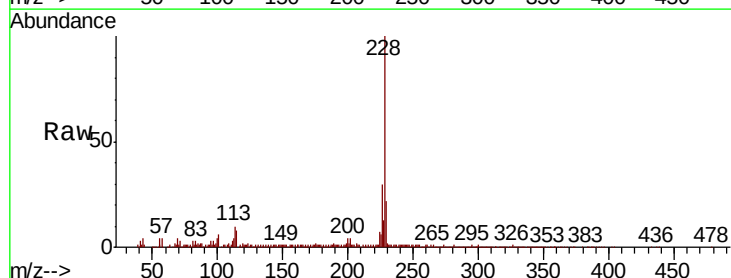
Tgt Ion:228 Resp: 196654

Ion Ratio Lower Upper

228 100

226 30.1 25.4 38.0

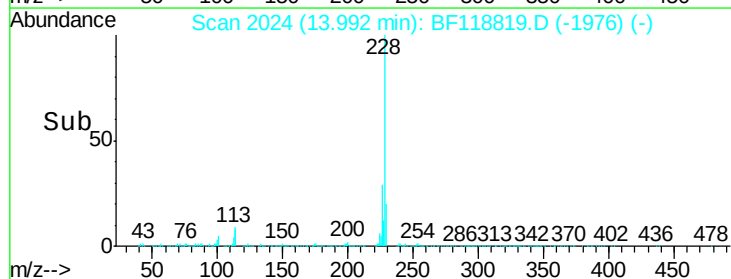
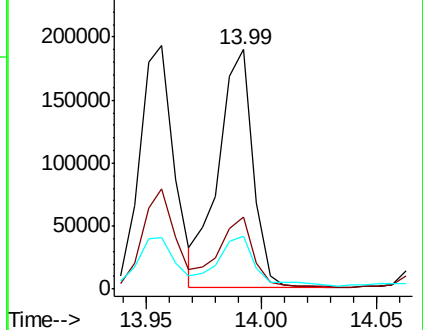
229 22.1 16.9 25.3

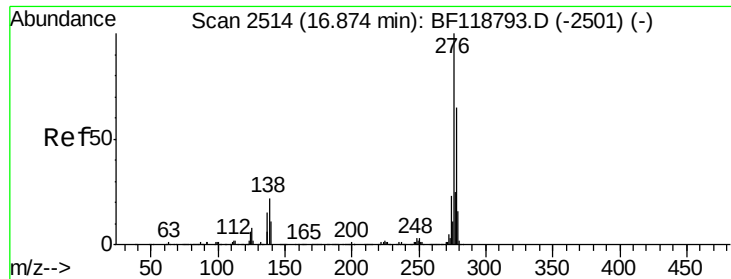


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



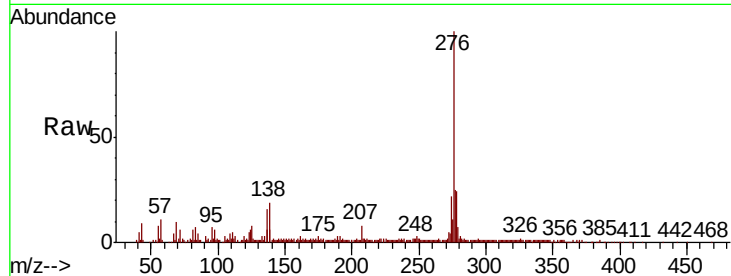


#86

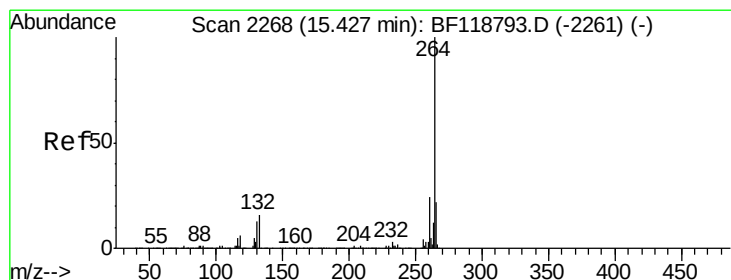
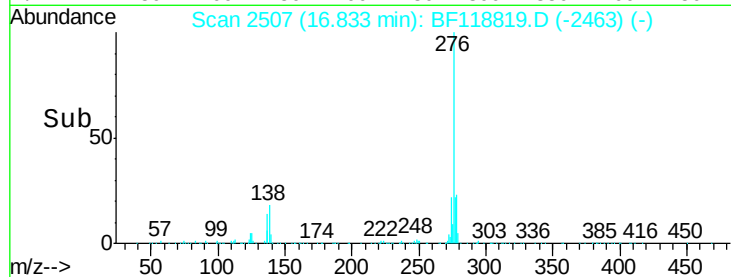
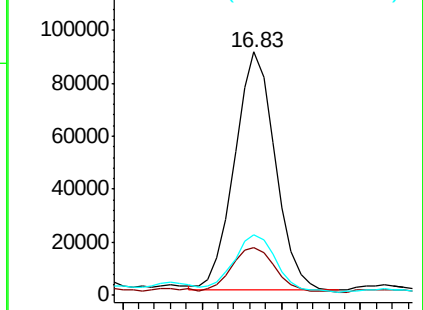
Indeno(1,2,3-cd)pyrene
Concen: 4.345 ng
RT: 16.83 min Scan# 2507
Delta R.T. -0.04 min
Lab File: BF118819.D
Acq: 4 Feb 2020 23:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.9	18.3	27.5
277	25.1	20.2	30.4



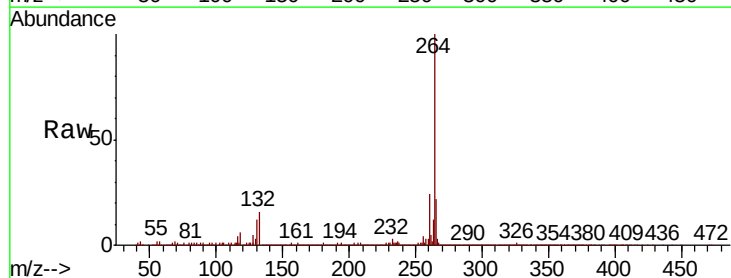
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



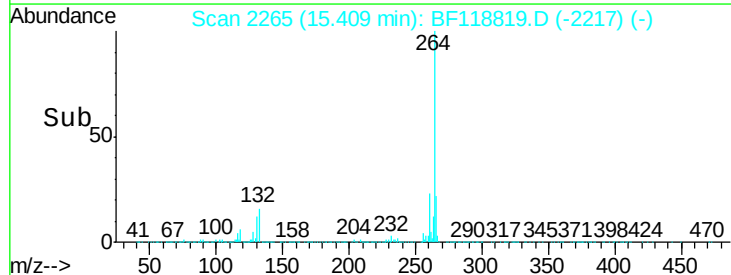
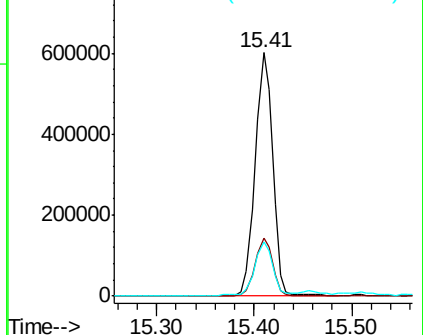
#87

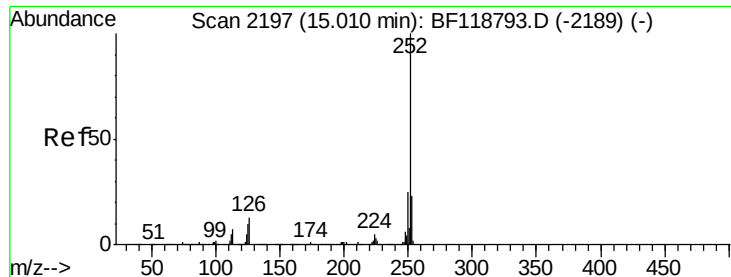
Perylene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.02 min
Lab File: BF118819.D
Acq: 4 Feb 2020 23:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	22.3	17.2	25.8



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

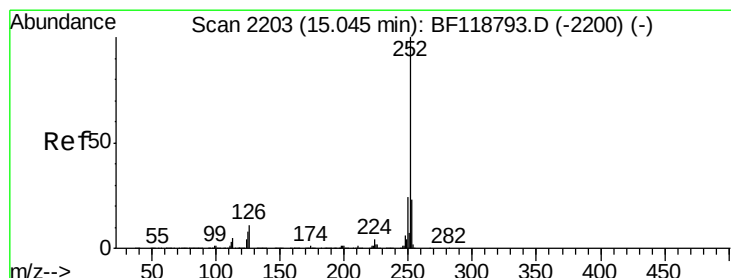
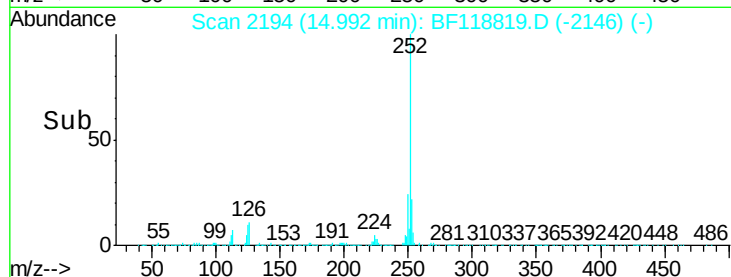
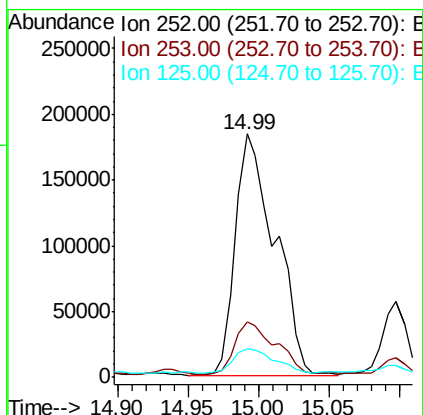
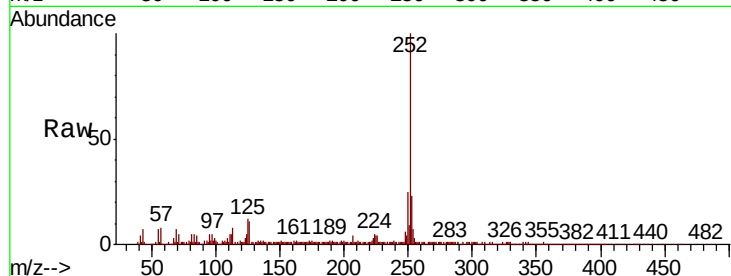




#88
Benzo(b)fluoranthene
Concen: 7.649 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF118819.D
Acq: 4 Feb 2020 23:30

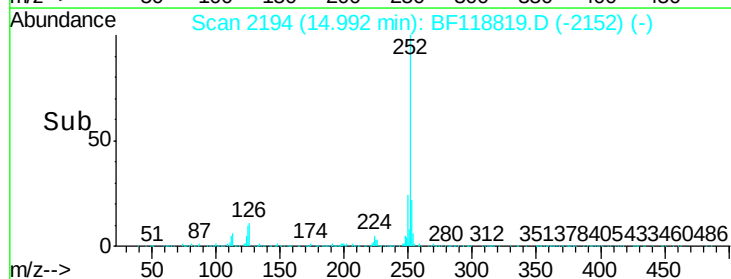
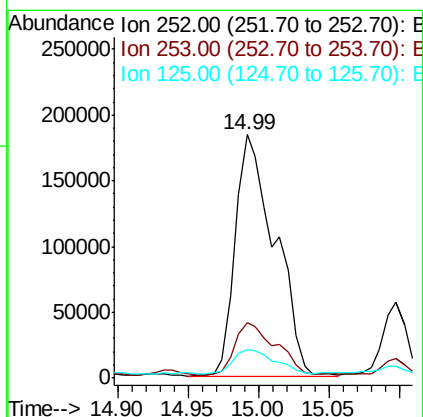
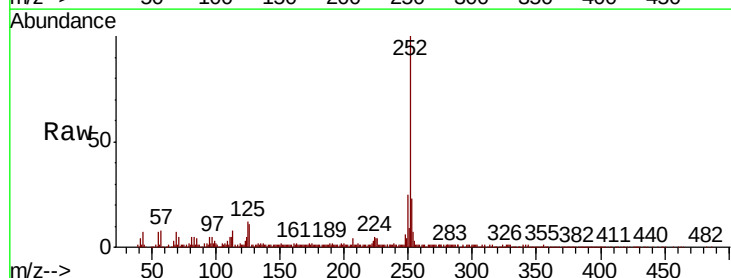
Instrument :
BNA_G
ClientSampleId :

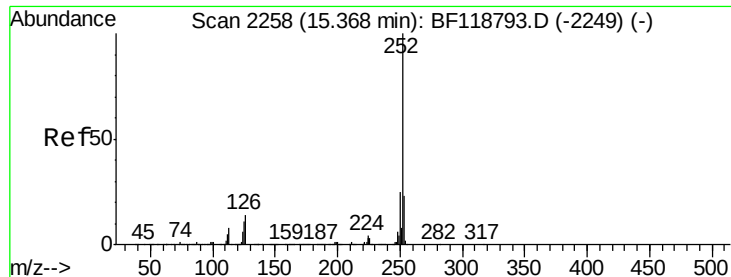
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	11.9	8.1	12.1



#89
Benzo(k)fluoranthene
Concen: 8.784 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.05 min
Lab File: BF118819.D
Acq: 4 Feb 2020 23:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.4
125	11.9	7.0	10.6





#90

Benzo(a)pyrene

Concen: 7.051 ng

RT: 15.34 min Scan# 2254

Delta R.T. -0.02 min

Lab File: BF118819.D

Acq: 4 Feb 2020 23:30

Instrument :

BNA_G

ClientSampleId :

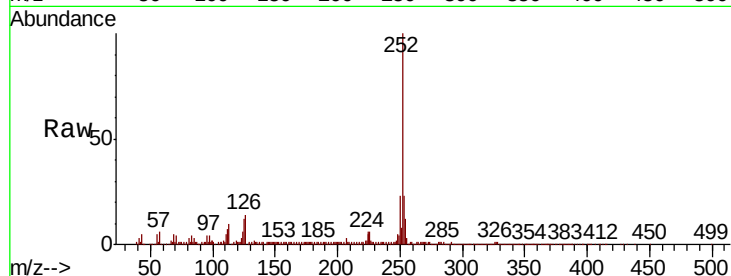
Tot Ion:252 Resp: 283451

Ion Ratio Lower Upper

252 100

253 22.6 18.1 27.1

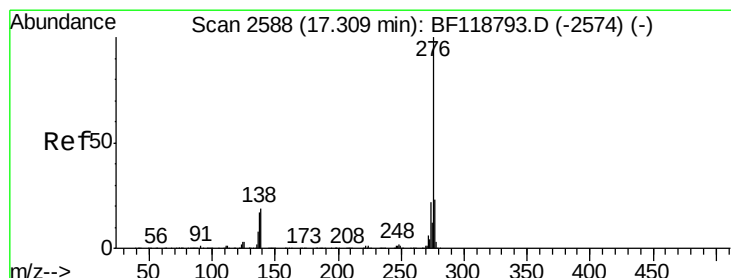
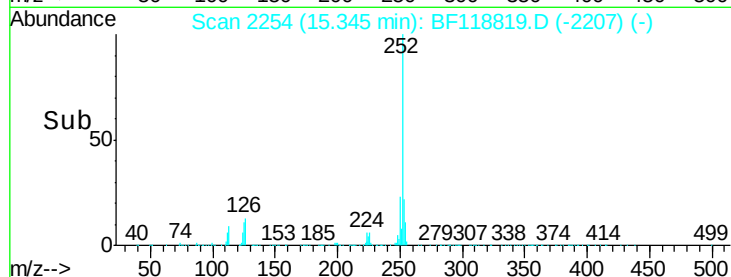
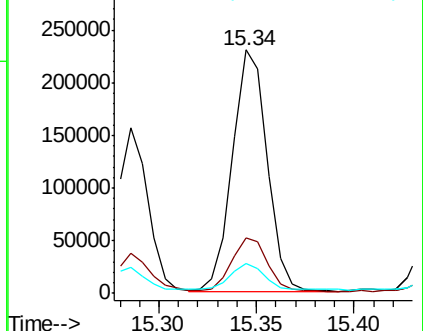
125 12.4 8.7 13.1



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



#92

Benzo(g,h,i)perylene

Concen: 4.916 ng

RT: 17.26 min Scan# 2580

Delta R.T. -0.05 min

Lab File: BF118819.D

Acq: 4 Feb 2020 23:30

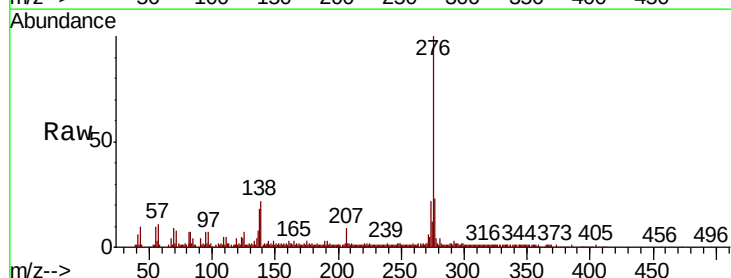
Tgt Ion:276 Resp: 168721

Ion Ratio Lower Upper

276 100

277 23.2 18.7 28.1

138 21.7 15.4 23.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

