

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020420\
 Data File : BF118816.D
 Acq On : 4 Feb 2020 22:07
 Operator : CG/JU
 Sample : L1383-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 05 06:34:50 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	6.81	152	274536	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1020733	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	535836	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	896389	20.00	ng	-0.01
76) Chrysene-d12	13.96	240	564598	20.00	ng	-0.02
87) Perylene-d12	15.40	264	683787	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1554458	107.18	ng	0.00
7) Phenol-d6	6.45	99	1892060	105.09	ng	0.00
23) Nitrobenzene-d5	7.37	82	1229996	71.82	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	624851	97.46	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	2325846	77.60	ng	-0.01
79) Terphenyl-d14	12.91	244	2183571	79.44	ng	-0.02

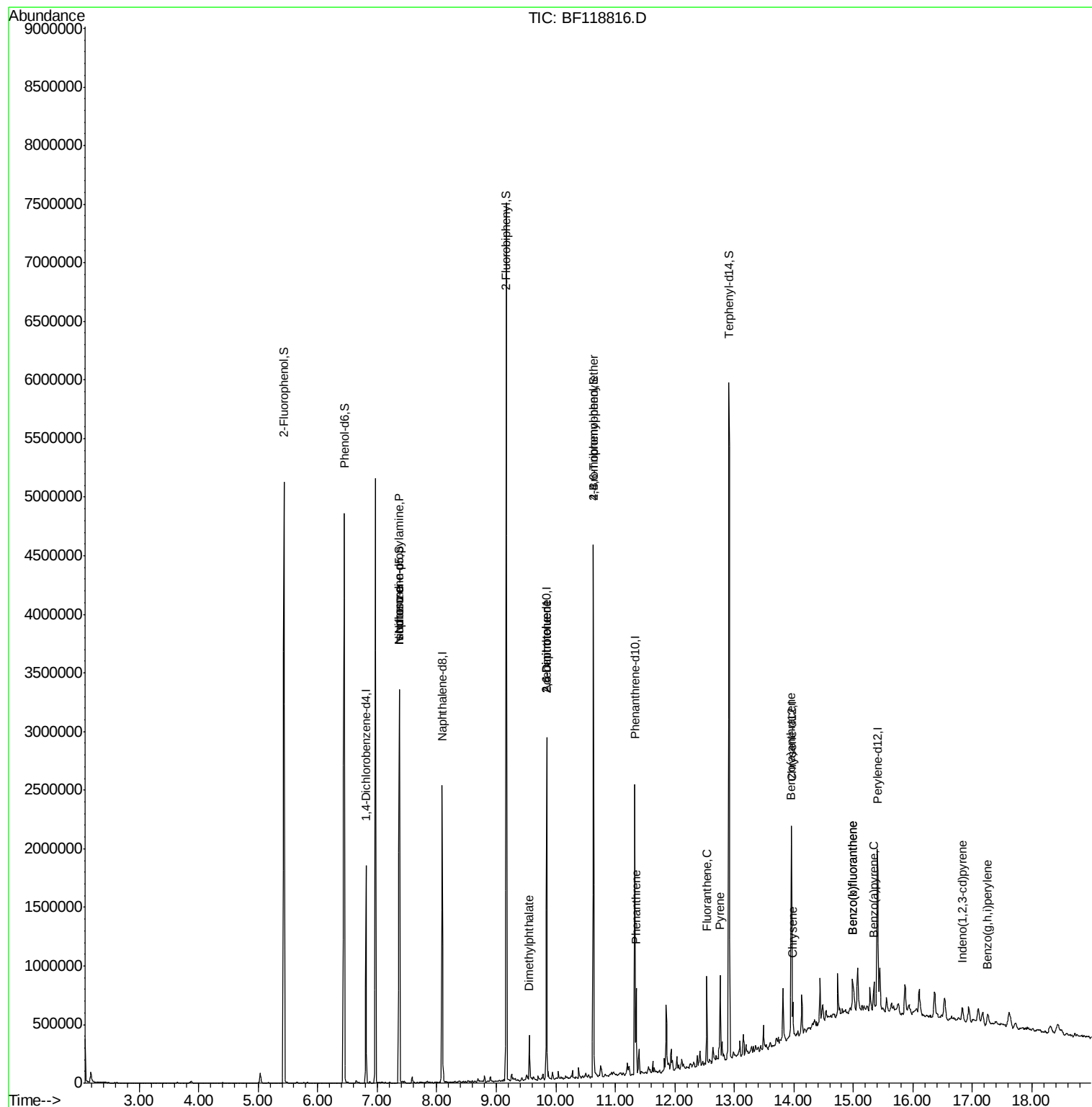
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	340	Below Cal		# 35
19) n-Nitroso-di-n-propylamine	7.37	70	169745	15.409	ng	# 76
25) Isophorone	7.37	82	1229984	39.964	ng	# 63
50) Dimethylphthalate	9.56	163	130233	3.569	ng	# 98
51) 2,6-Dinitrotoluene	9.85	165	70815	8.483	ng	# 31
57) 2,4-Dinitrotoluene	9.85	165	70815	6.410	ng	# 34
67) 4-Bromophenyl-phenylether	10.63	248	40561	3.825	ng	# 1
71) Phenanthrene	11.35	178	254360	5.767	ng	# 97
75) Fluoranthene	12.53	202	309783	6.433	ng	# 98
78) Pyrene	12.76	202	289626	7.478	ng	# 98
81) Benzo(a)anthracene	13.95	228	132533	3.945	ng	# 98
83) Chrysene	13.99	228	116312	3.449	ng	# 94
86) Indeno(1,2,3-cd)pyrene	16.83	276	81879	2.417	ng	# 94
88) Benzo(b)fluoranthene	14.99	252	209736	4.943	ng	# 91
89) Benzo(k)fluoranthene	14.99	252	209736	5.676	ng	# 90
90) Benzo(a)pyrene	15.34	252	119605	3.294	ng	# 94
92) Benzo(a,h,i)perylene	17.26	276	80086	2.583	ng	# 93

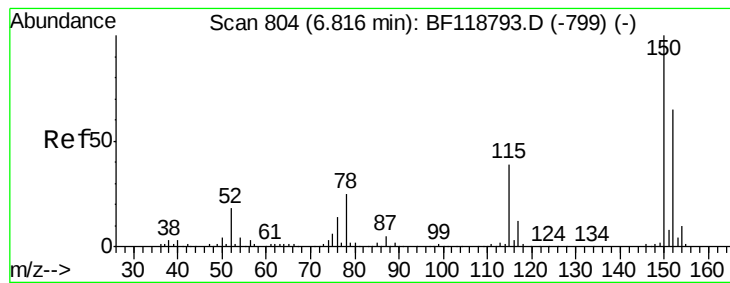
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.81 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF118816.D

Acq: 4 Feb 2020 22:07

Instrument :

BNA_G

ClientSampleId :

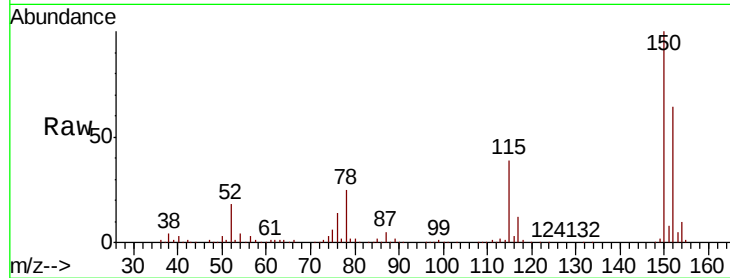
Tot Ion:152 Resp: 274536

Ion Ratio Lower Upper

152 100

150 157.0 123.6 185.4

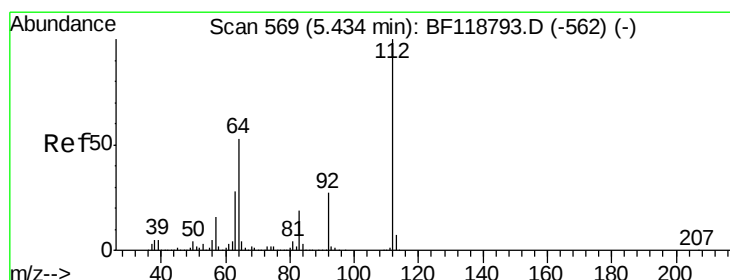
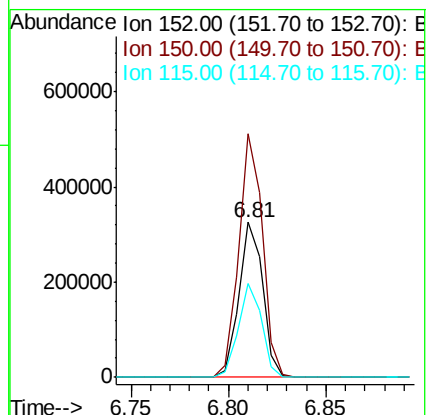
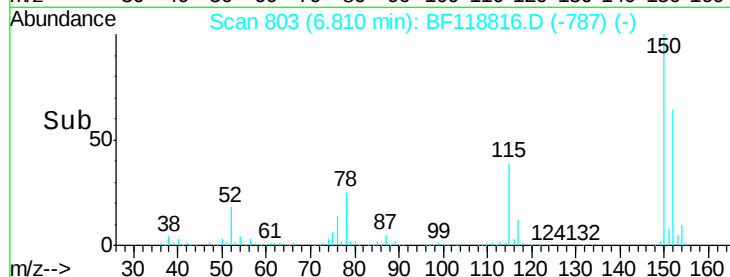
115 60.6 48.2 72.2



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: 107.180 ng

RT: 5.43 min Scan# 569

Delta R.T. -0.00 min

Lab File: BF118816.D

Acq: 4 Feb 2020 22:07

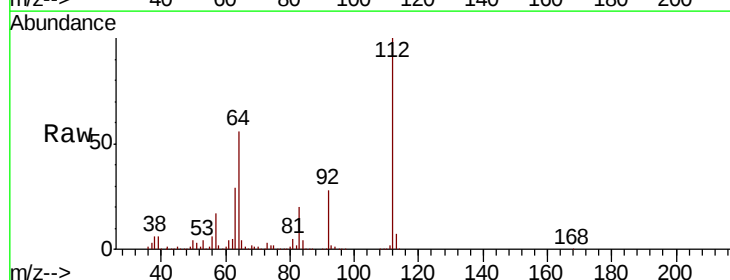
Tgt Ion:112 Resp: 1554458

Ion Ratio Lower Upper

112 100

64 56.1 42.6 63.8

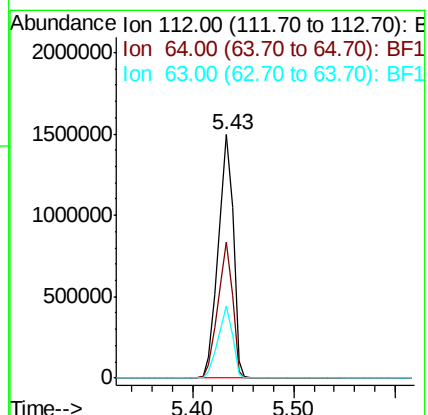
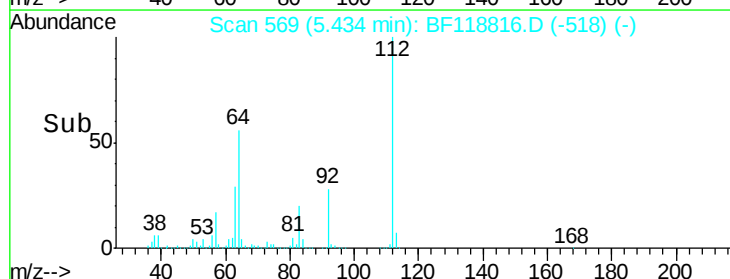
63 29.4 22.2 33.4

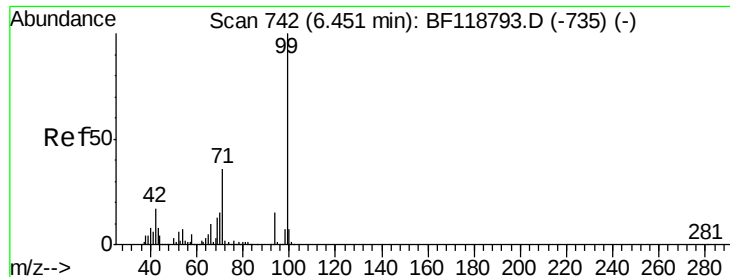


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 105.093 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF118816.D

Acq: 4 Feb 2020 22:07

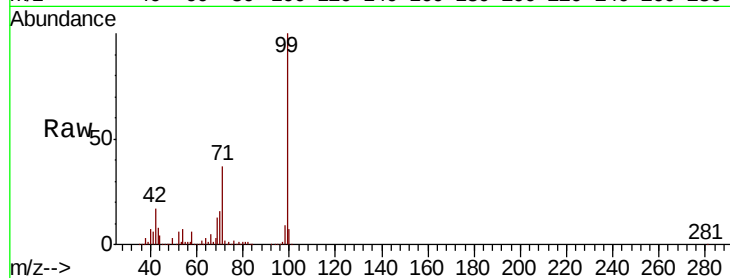
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 1892060

Ion	Ratio	Lower	Upper
99	100		
42	16.8	13.4	20.0
71	36.8	29.0	43.6

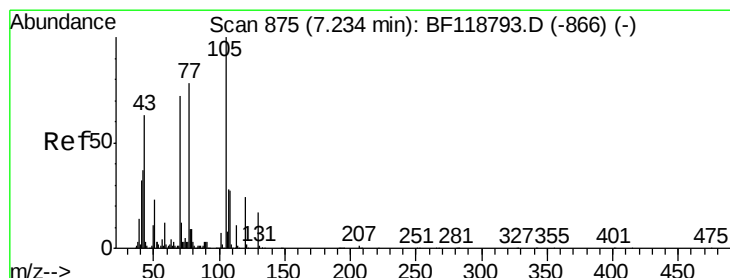
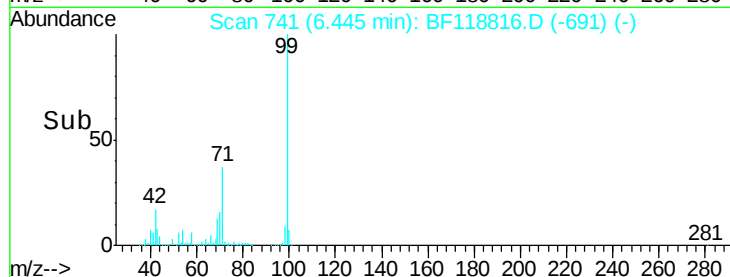
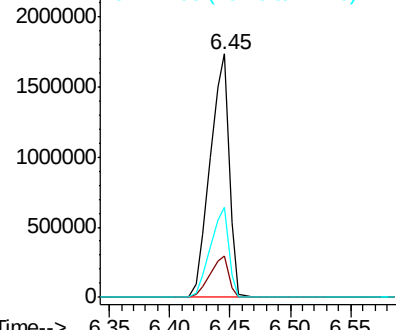


Abundance

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: 15.409 ng

RT: 7.37 min Scan# 898

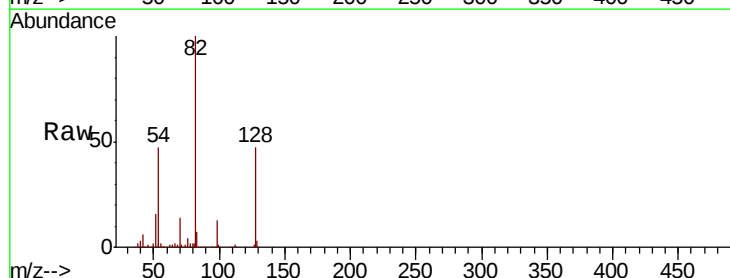
Delta R.T. 0.14 min

Lab File: BF118816.D

Acq: 4 Feb 2020 22:07

Tgt Ion: 70 Resp: 169745

Ion	Ratio	Lower	Upper
70	100		
42	42.3	41.5	62.3
101	0.0	8.3	12.5#
130	2.1	19.2	28.8#



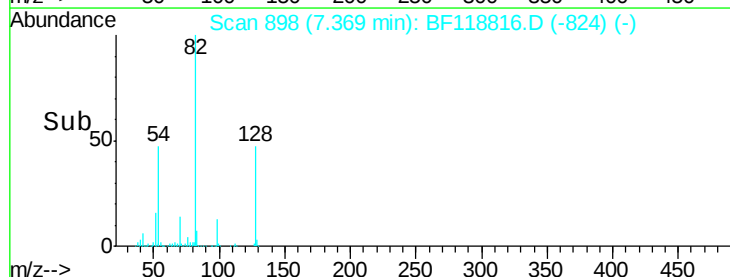
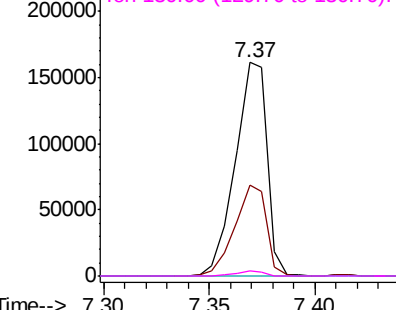
Abundance

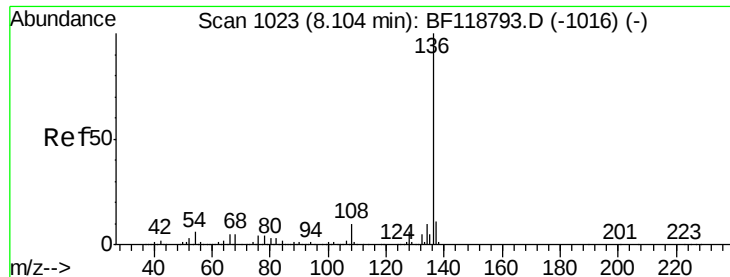
Ion 70.00 (69.70 to 70.70): BF1

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

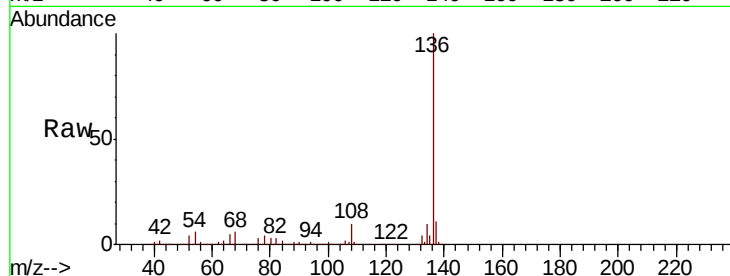




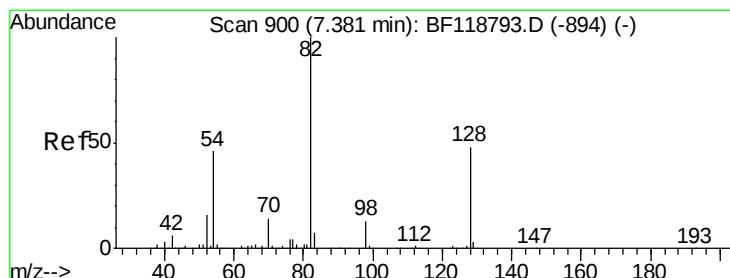
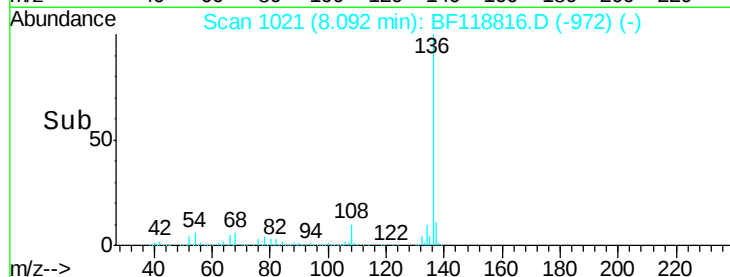
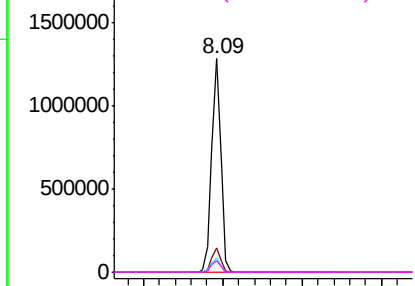
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF118816.D
Acq: 4 Feb 2020 22:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136 Resp: 1020733
Ion Ratio Lower Upper
136 100
137 11.4 8.7 13.1
54 6.4 5.0 7.6
68 5.6 4.2 6.4

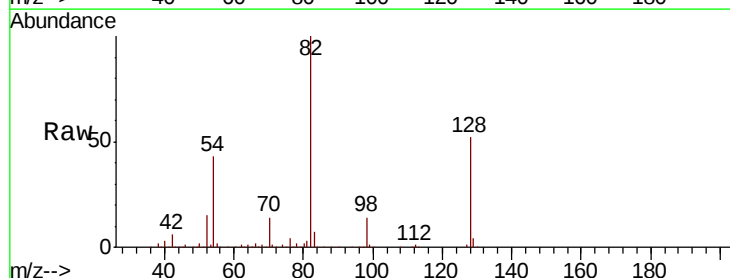


Abundance Ion 136.00 (135.70 to 136.70): E
2000000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

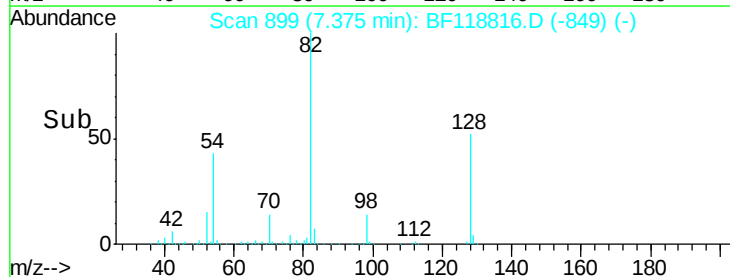
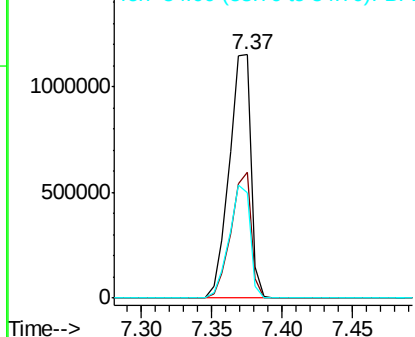


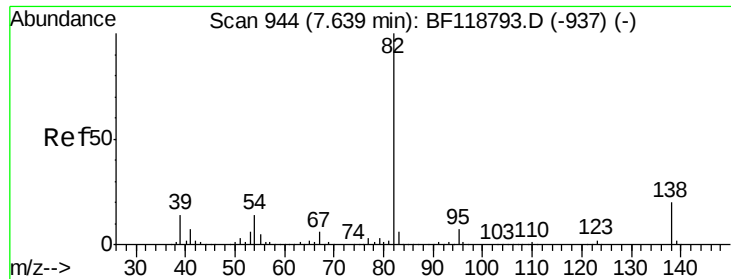
#23
Nitrobenzene-d5
Concen: 71.825 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF118816.D
Acq: 4 Feb 2020 22:07

Tgt Ion: 82 Resp: 1229996
Ion Ratio Lower Upper
82 100
128 51.6 38.5 57.7
54 43.3 36.7 55.1



Abundance Ion 82.00 (81.70 to 82.70): BF1
1500000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 39.964 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF118816.D

Acq: 4 Feb 2020 22:07

Instrument :

BNA_G

ClientSampleId :

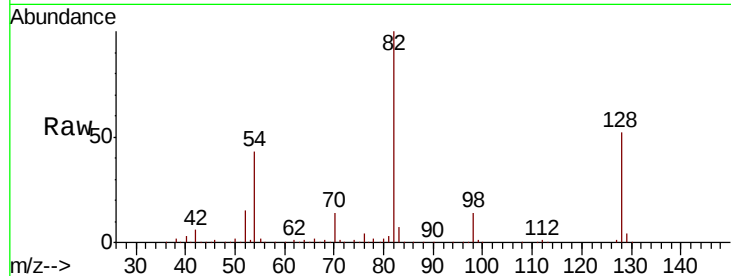
Tot Ion: 82 Resp: 1229984

Ion Ratio Lower Upper

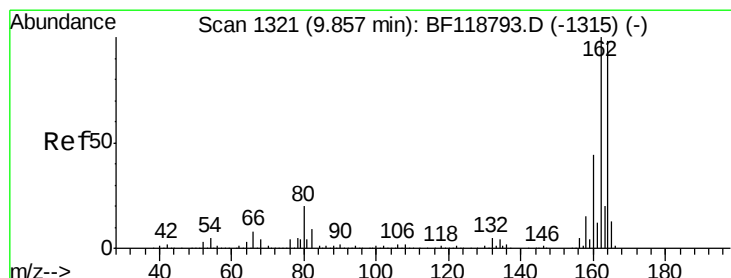
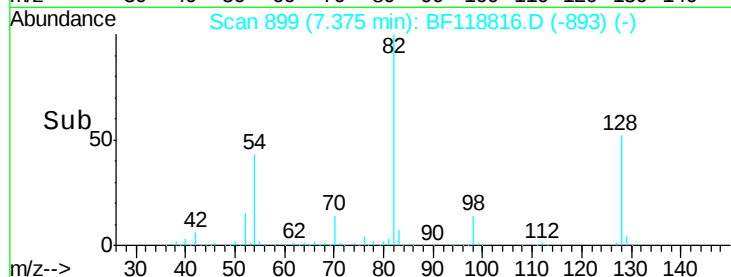
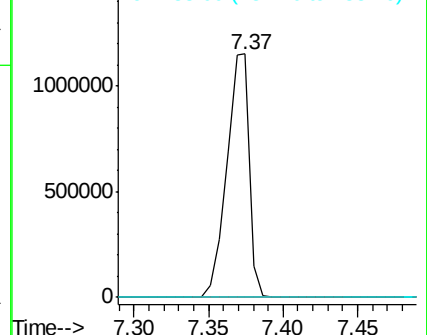
82 100

95 0.0 6.0 9.0#

138 0.0 15.7 23.5#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF118816.D

Acq: 4 Feb 2020 22:07

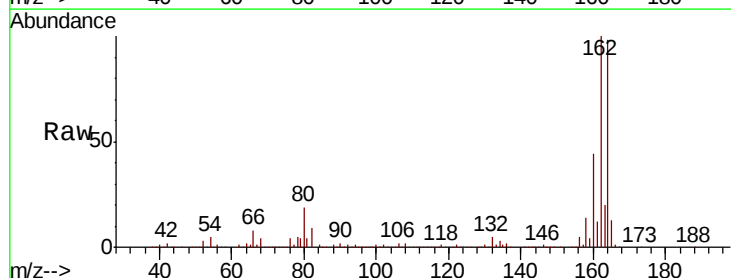
Tgt Ion:164 Resp: 535836

Ion Ratio Lower Upper

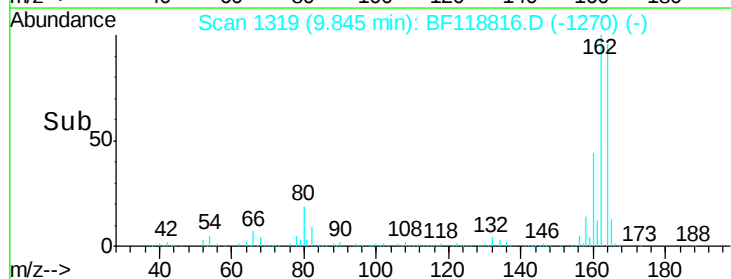
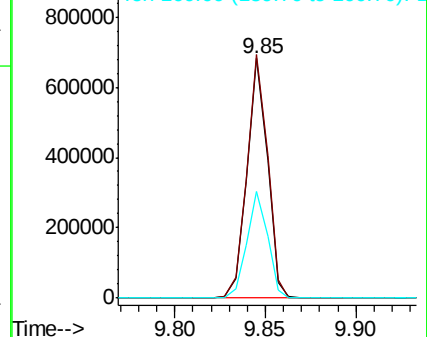
164 100

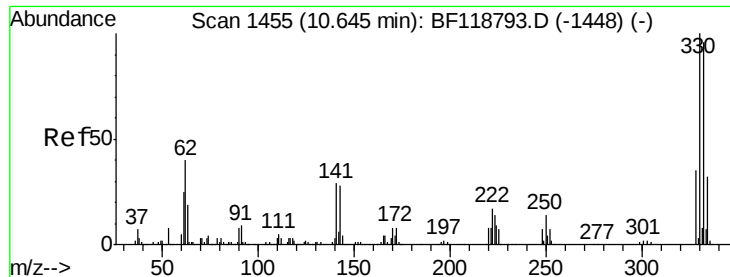
162 101.6 81.4 122.2

160 44.7 35.6 53.4



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 97.459 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF118816.D

Acq: 4 Feb 2020 22:07

Instrument :

BNA_G

ClientSampled :

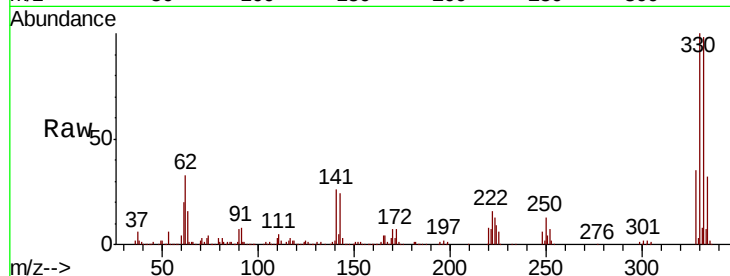
Tot Ion:330 Resp: 624851

Ion Ratio Lower Upper

330 100

332 97.1 77.3 115.9

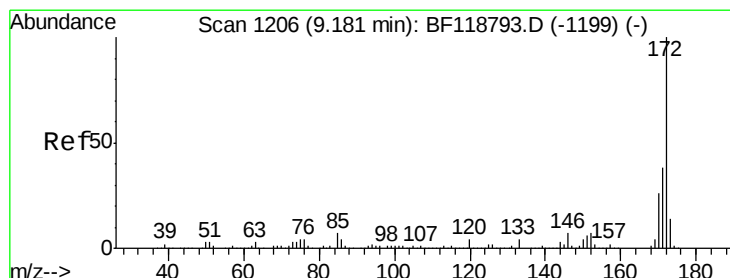
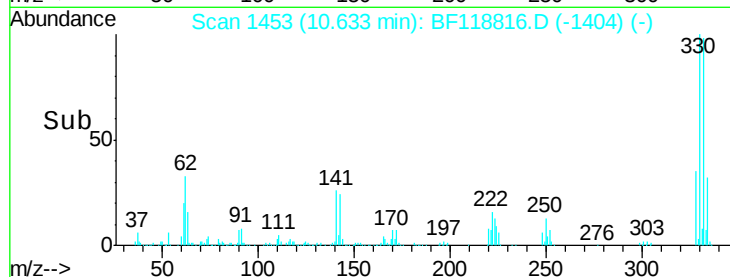
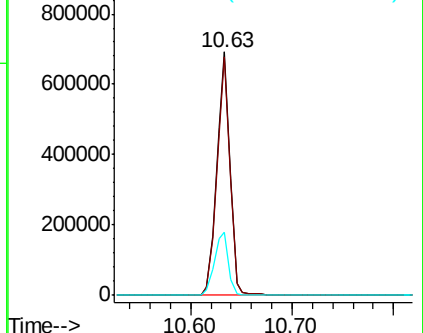
141 28.2 22.4 33.6



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: 77.597 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF118816.D

Acq: 4 Feb 2020 22:07

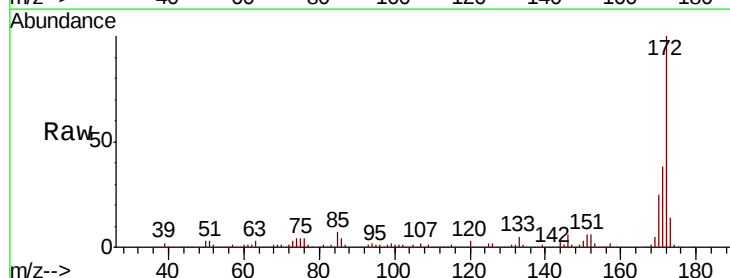
Tgt Ion:172 Resp: 2325846

Ion Ratio Lower Upper

172 100

171 37.9 30.8 46.2

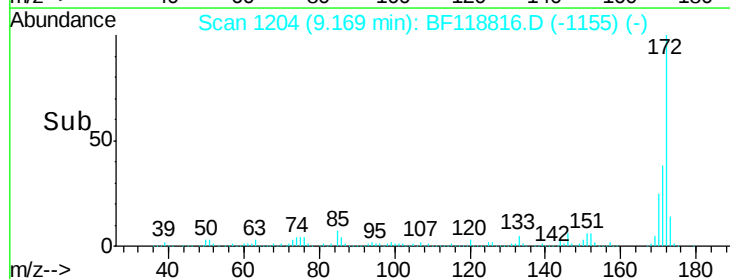
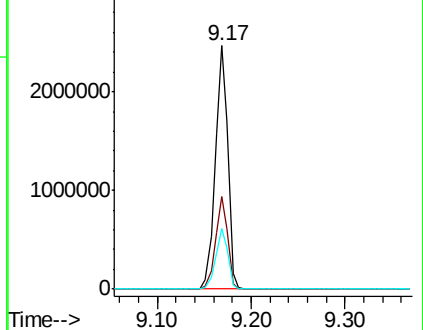
170 25.1 20.5 30.7

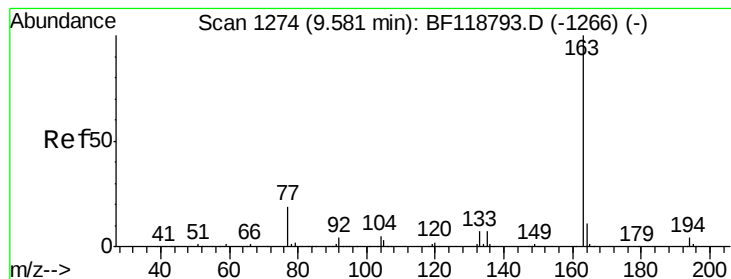


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.569 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BF118816.D

Acq: 4 Feb 2020 22:07

Instrument :

BNA_G

ClientSampleId :

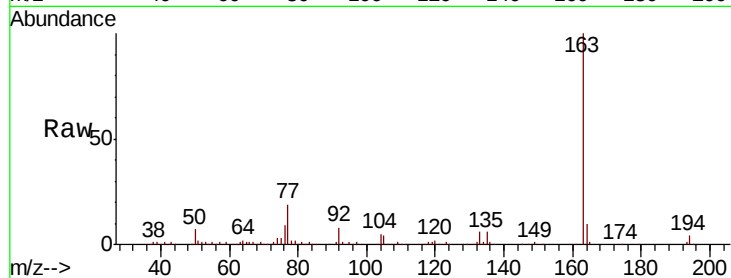
Tot Ion:163 Resp: 130233

Ion Ratio Lower Upper

163 100

194 4.5 3.6 5.4

164 9.9 8.7 13.1



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

9.56

200000

150000

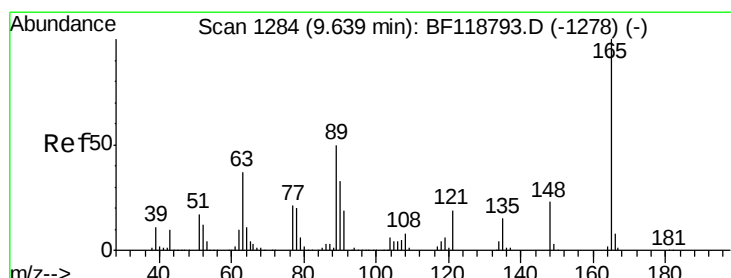
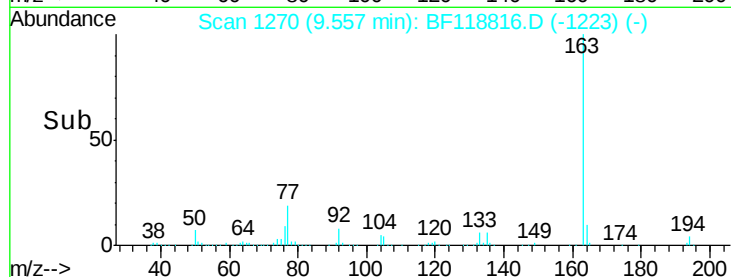
100000

50000

0

9.50 9.55 9.60 9.65

Time-->



#51

2,6-Dinitrotoluene

Concen: 8.483 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.21 min

Lab File: BF118816.D

Acq: 4 Feb 2020 22:07

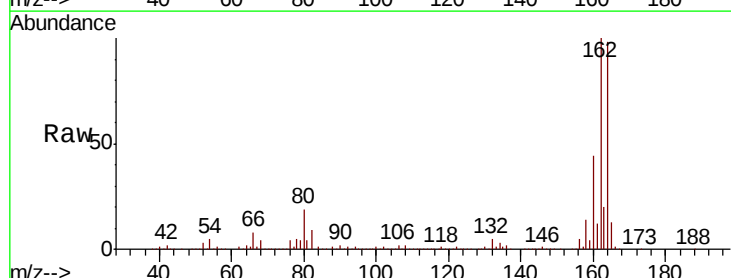
Tgt Ion:165 Resp: 70815

Ion Ratio Lower Upper

165 100

63 1.1 37.4 56.0#

89 1.3 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

120000

100000

80000

60000

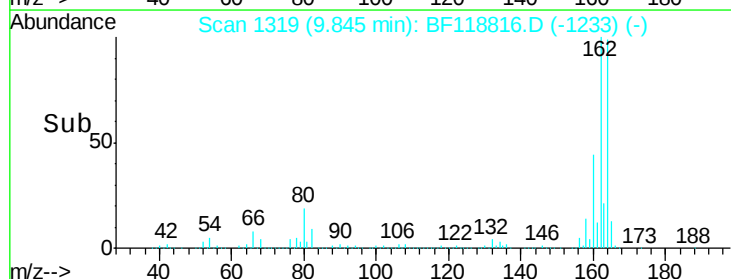
40000

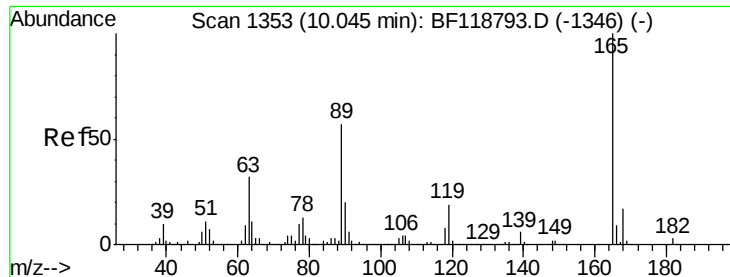
20000

0

9.80 9.85

Time-->

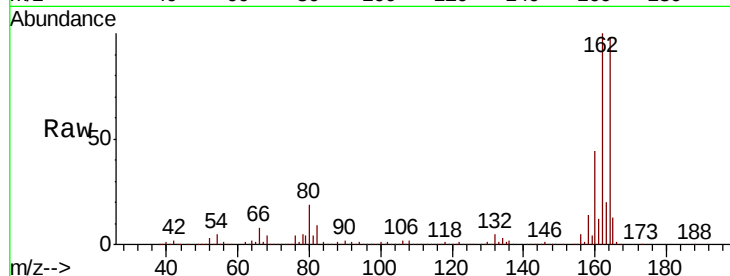




#57
2,4-Dinitrotoluene
Concen: 6.410 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.20 min
Lab File: BF118816.D
Acq: 4 Feb 2020 22:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	25.5	38.3#
89	1.3	45.4	68.0#
182	0.0	2.4	3.6#

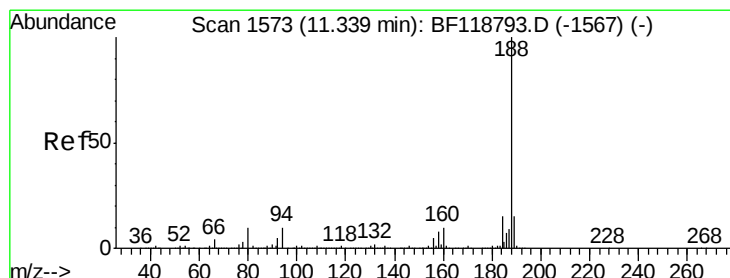
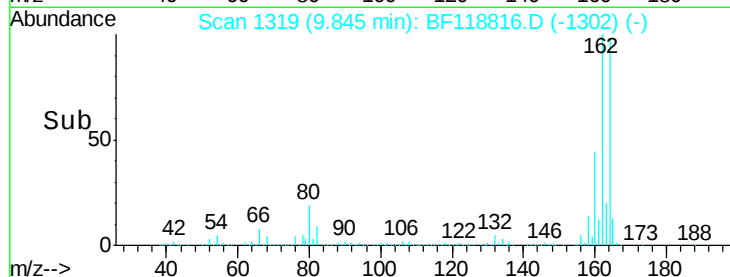
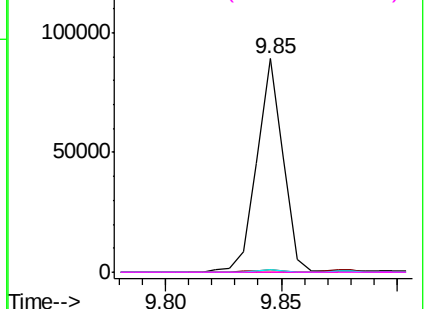


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

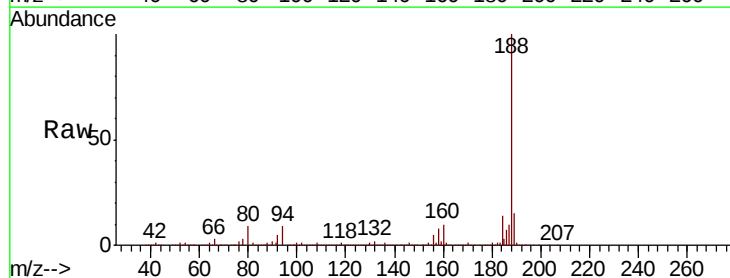
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF118816.D
Acq: 4 Feb 2020 22:07

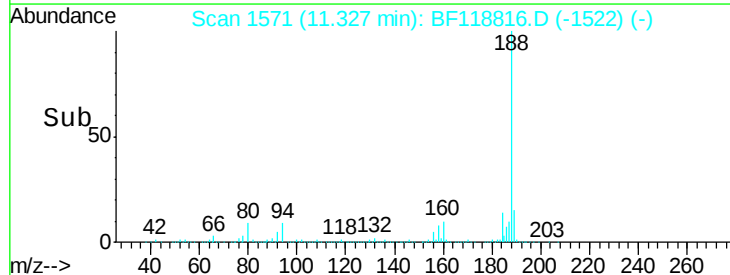
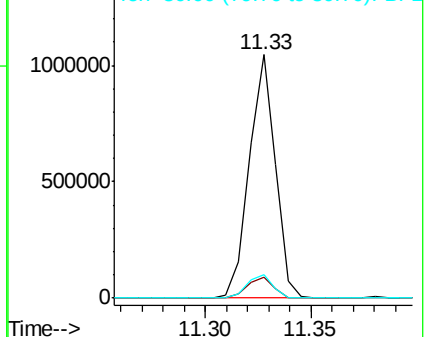
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.9	11.9
80	9.5	8.4	12.6

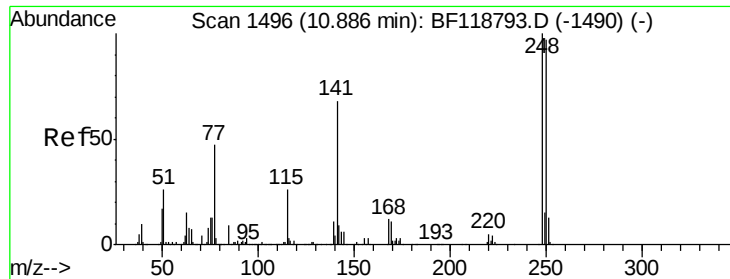


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

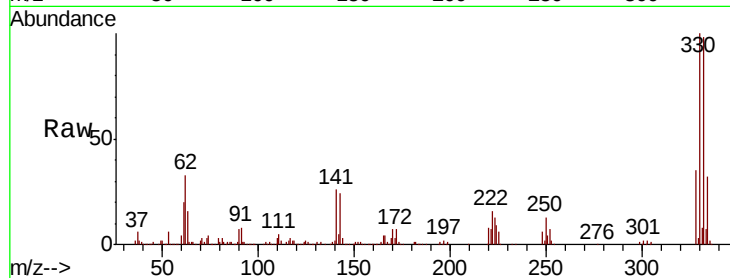




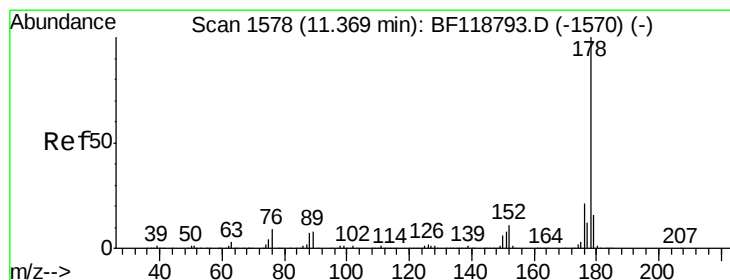
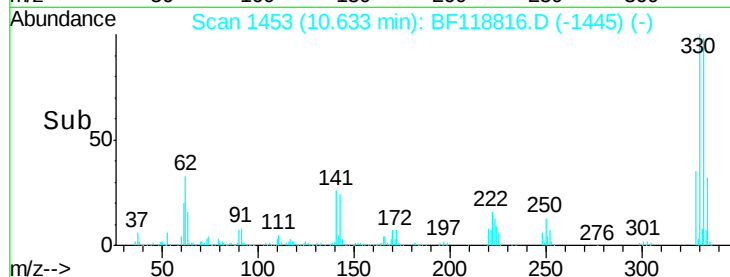
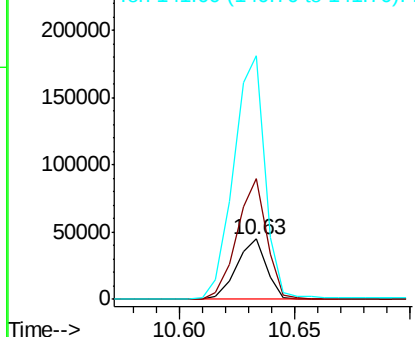
#67
4-Bromophenyl-phenylether
Concen: 3.825 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF118816.D
Acq: 4 Feb 2020 22:07

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 40561
Ion Ratio Lower Upper
248 100
250 200.6 77.6 116.4#
141 404.6 54.4 81.6#

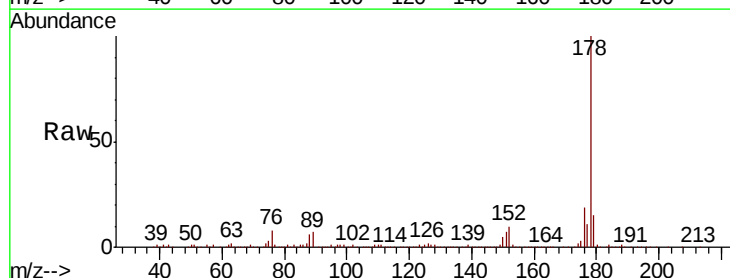


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

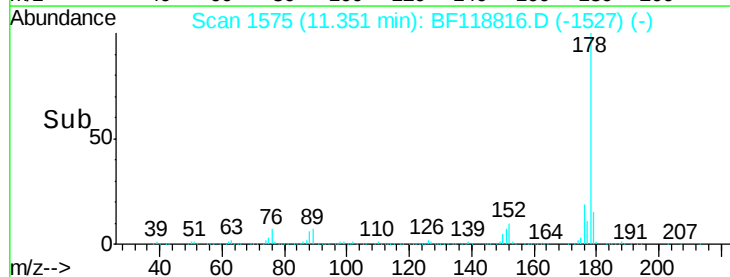
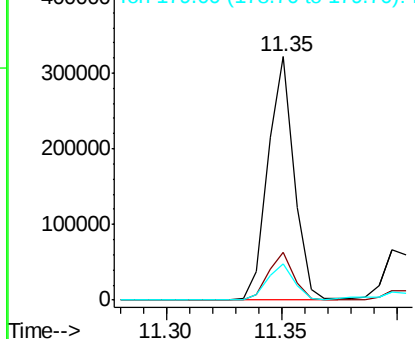


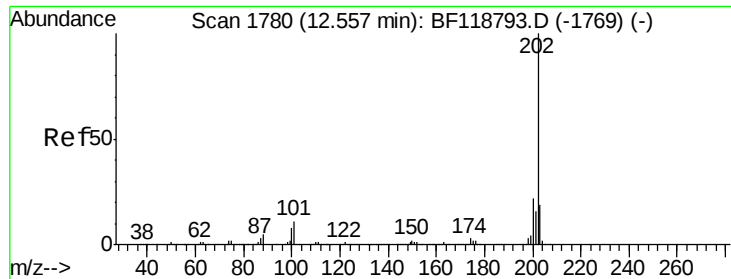
#71
Phenanthrene
Concen: 5.767 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF118816.D
Acq: 4 Feb 2020 22:07

Tgt Ion:178 Resp: 254360
Ion Ratio Lower Upper
178 100
176 19.4 16.6 24.8
179 15.1 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: 6.433 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.02 min

Lab File: BF118816.D

Acq: 4 Feb 2020 22:07

Instrument :

BNA_G

ClientSampleId :

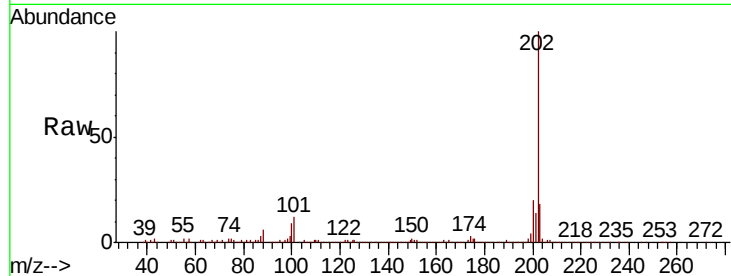
Tot Ion:202 Resp: 309783

Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.0

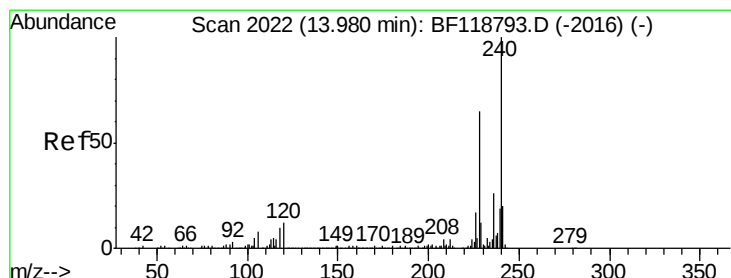
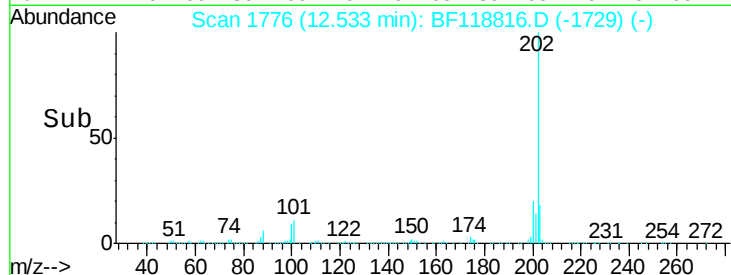
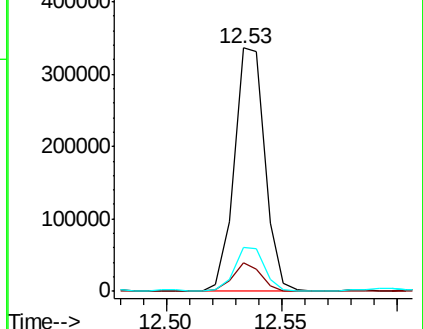
203 17.9 0.0 38.7



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: BF118816.D

Acq: 4 Feb 2020 22:07

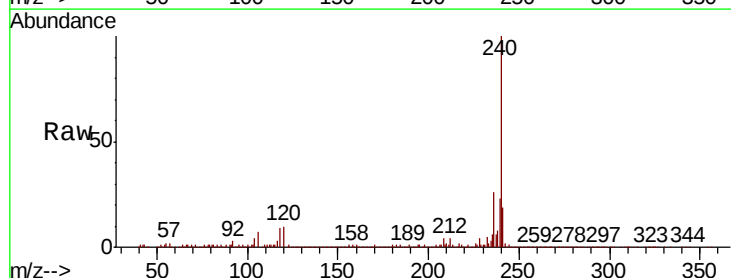
Tgt Ion:240 Resp: 564598

Ion Ratio Lower Upper

240 100

120 9.6 9.4 14.0

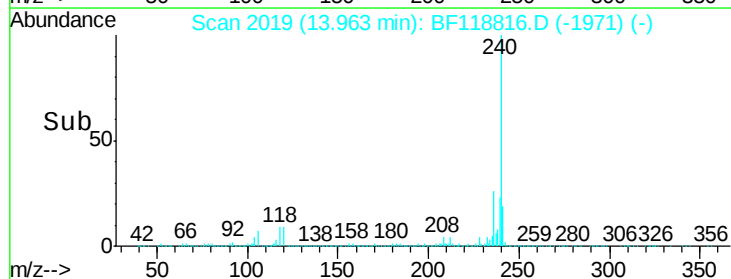
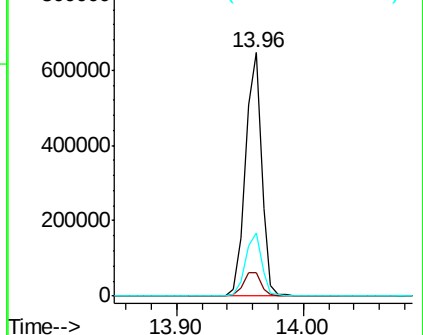
236 25.9 21.0 31.6

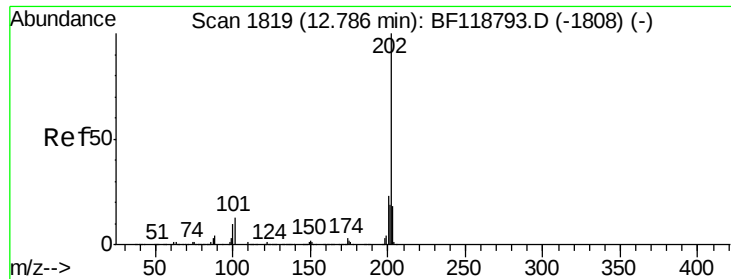


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

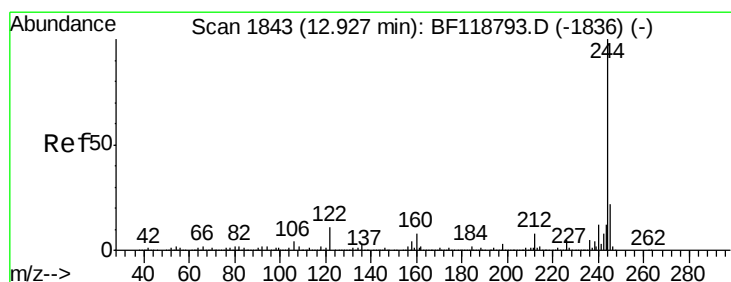
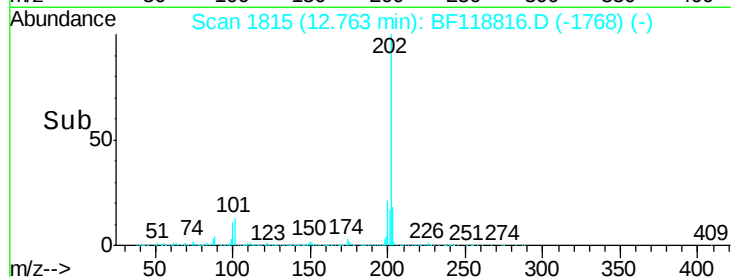
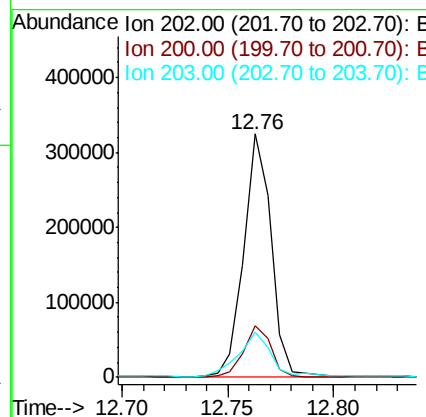
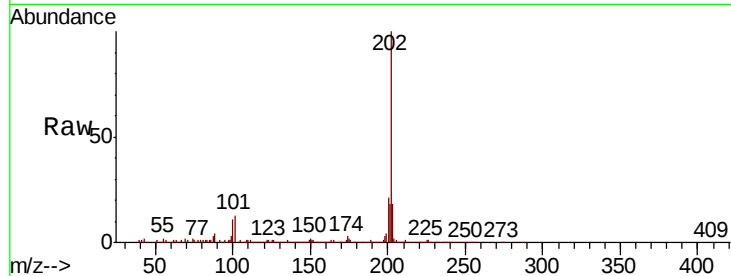




#78
Pvrene
Concen: 7.478 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.02 min
Lab File: BF118816.D
Acq: 4 Feb 2020 22:07

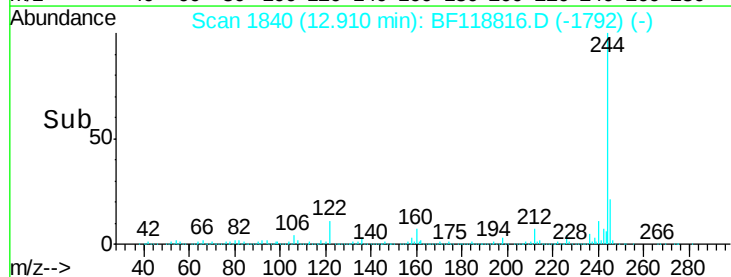
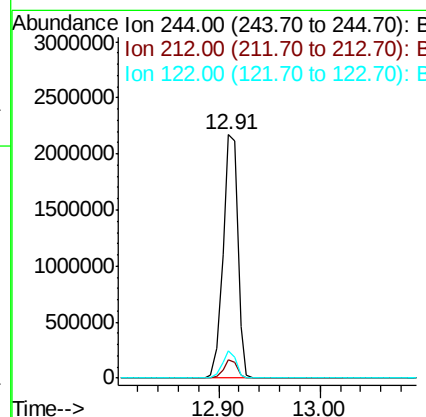
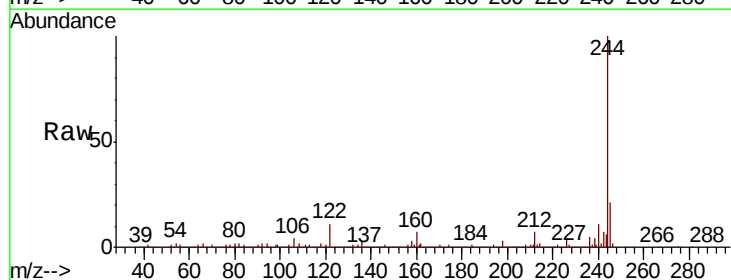
Instrument :
BNA_G
ClientSampleId :

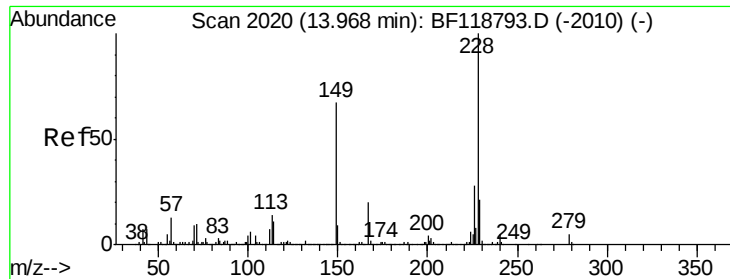
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	18.2	27.2
203	18.3	14.8	22.2



#79
Terphenyl-d14
Concen: 79.440 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.02 min
Lab File: BF118816.D
Acq: 4 Feb 2020 22:07

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.5	9.7
122	11.2	8.9	13.3

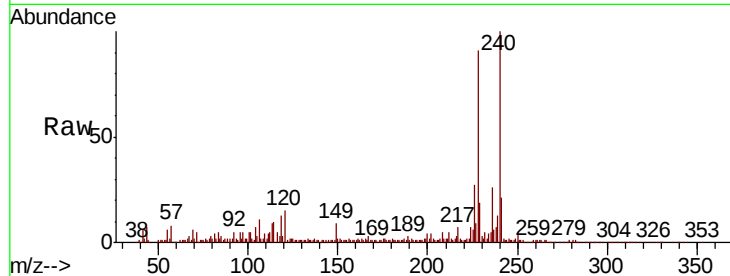




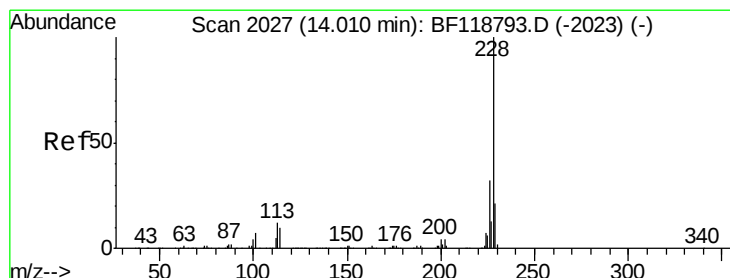
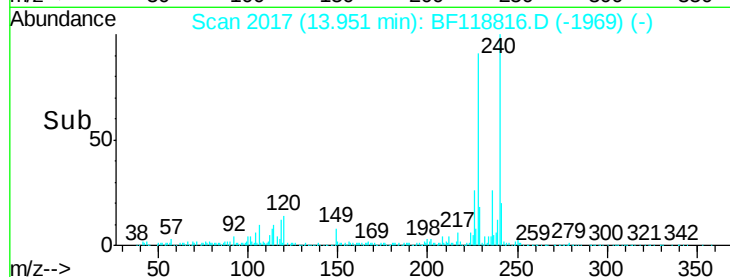
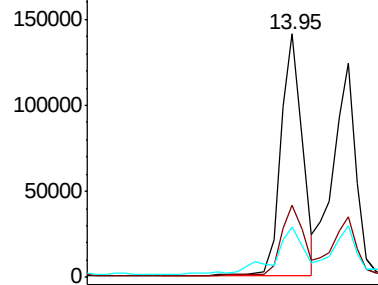
#81
Benzo(a)anthracene
Concen: 3.945 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.02 min
Lab File: BF118816.D
Acq: 4 Feb 2020 22:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion:228 Resp: 132533
Ion Ratio Lower Upper
228 100
226 29.7 22.7 34.1
229 20.6 16.6 25.0

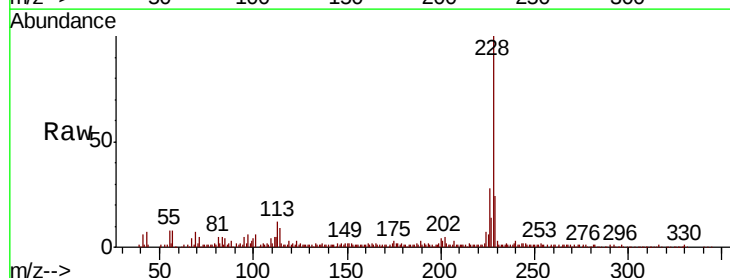


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

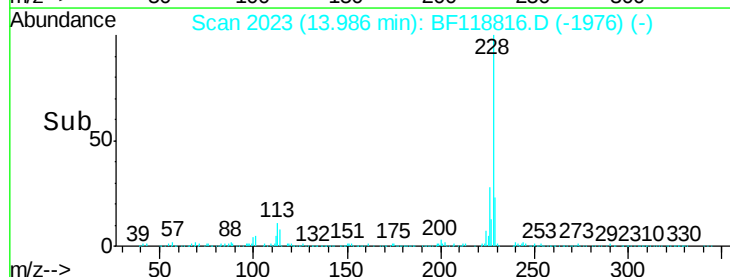
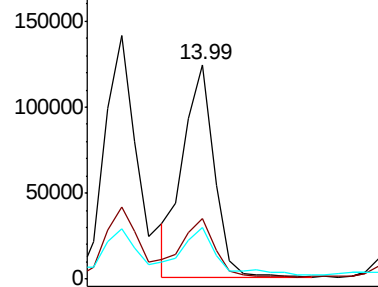


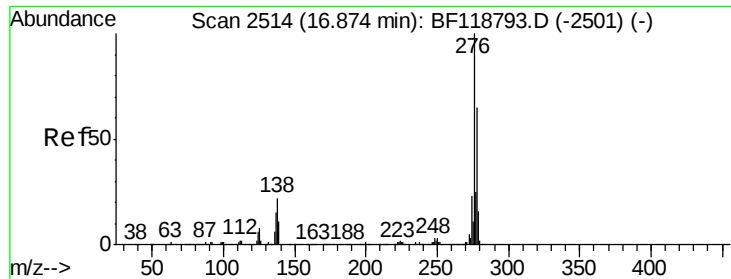
#83
Chrysene
Concen: 3.449 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.02 min
Lab File: BF118816.D
Acq: 4 Feb 2020 22:07

Tgt Ion:228 Resp: 116312
Ion Ratio Lower Upper
228 100
226 28.3 25.4 38.0
229 23.9 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

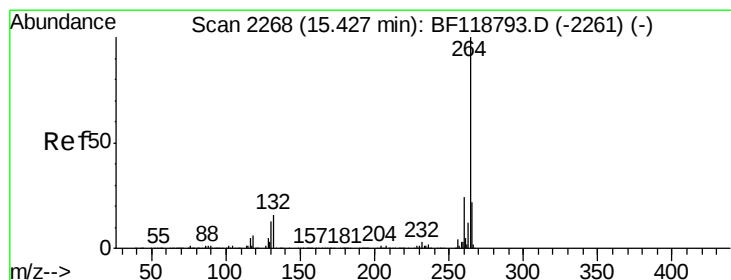
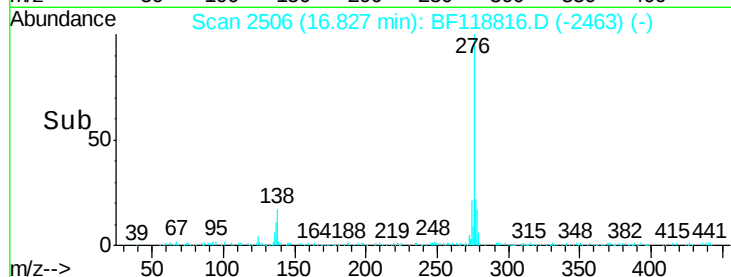
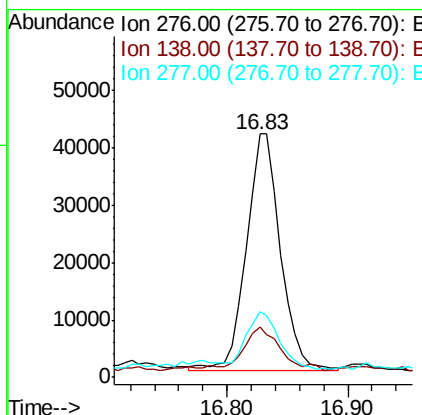
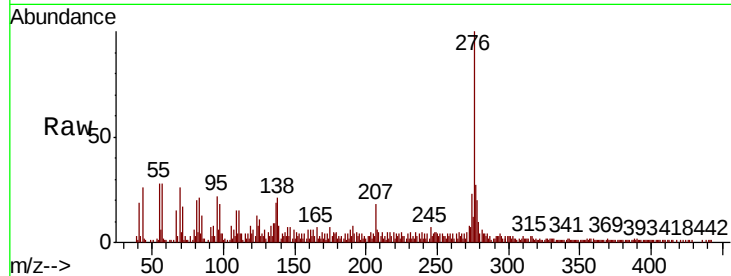




#86
Indeno(1,2,3-cd)pyrene
Concen: 2.417 ng
RT: 16.83 min Scan# 2506
Delta R.T. -0.05 min
Lab File: BF118816.D
Acq: 4 Feb 2020 22:07

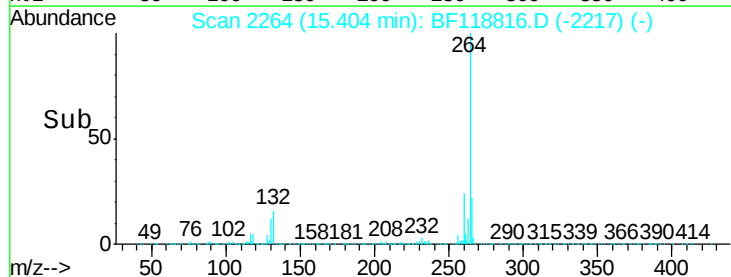
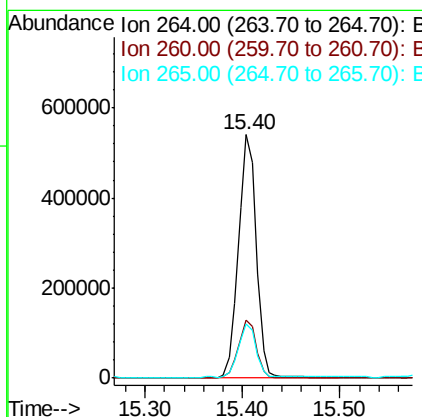
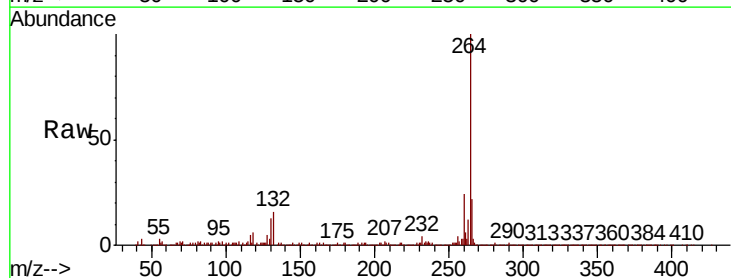
Instrument :
BNA_G
ClientSampleId :

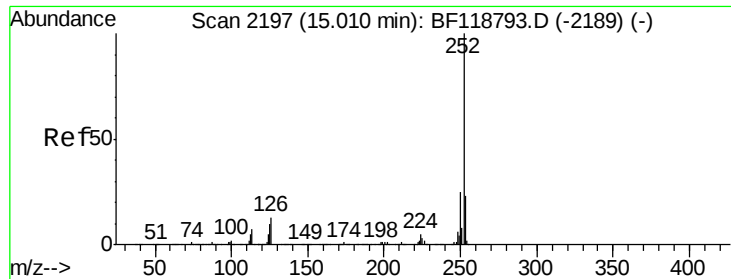
Tot Ion:276 Resp: 81879
Ion Ratio Lower Upper
276 100
138 18.9 18.3 27.5
277 23.5 20.2 30.4



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.02 min
Lab File: BF118816.D
Acq: 4 Feb 2020 22:07

Tgt Ion:264 Resp: 683787
Ion Ratio Lower Upper
264 100
260 24.0 19.1 28.7
265 22.4 17.2 25.8

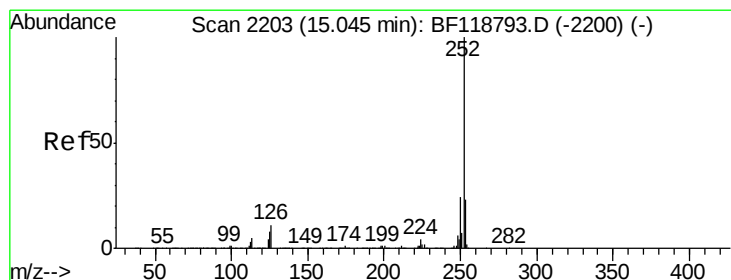
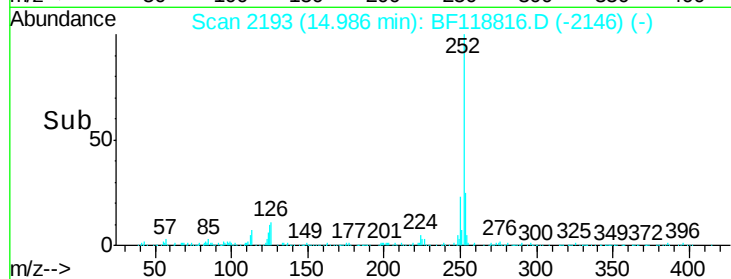
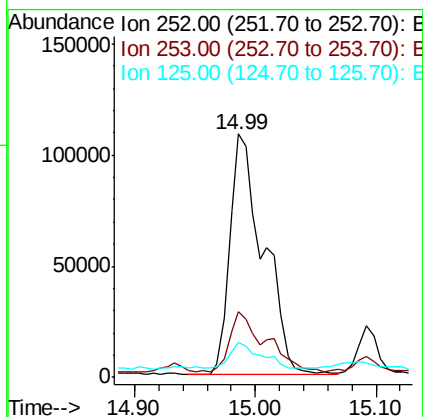
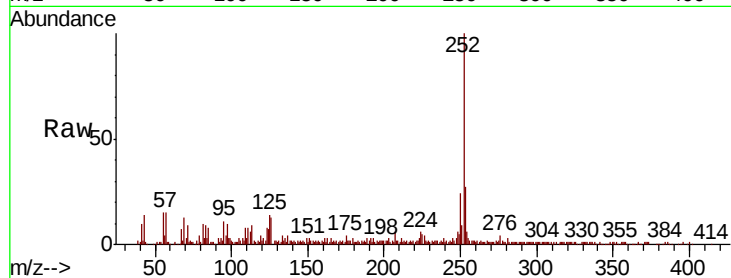




#88
Benzo(b)fluoranthene
Concen: 4.943 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF118816.D
Acq: 4 Feb 2020 22:07

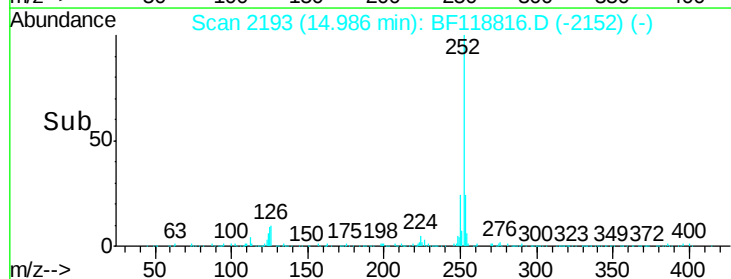
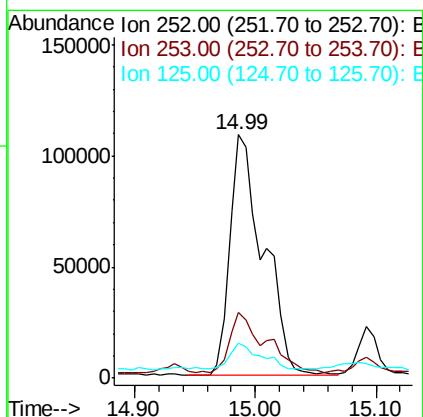
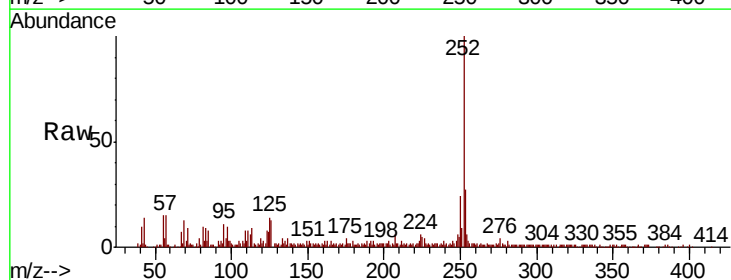
Instrument :
BNA_G
ClientSampled :

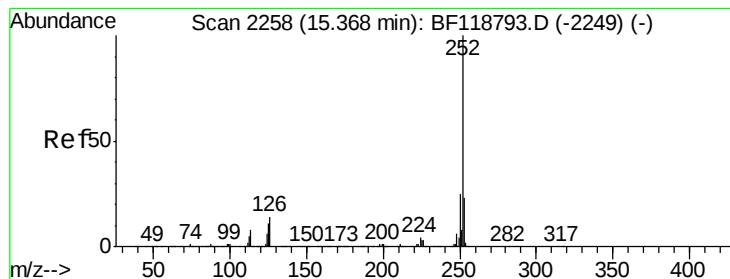
Tot Ion	Ratio	Lower	Upper
252	100		
253	26.9	18.4	27.6
125	14.2	8.1	12.1



#89
Benzo(k)fluoranthene
Concen: 5.676 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.06 min
Lab File: BF118816.D
Acq: 4 Feb 2020 22:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.9	18.2	27.4
125	14.2	7.0	10.6





#90

Benzo(a)pyrene

Concen: 3.294 ng

RT: 15.34 min Scan# 2254

Delta R.T. -0.02 min

Lab File: BF118816.D

Acq: 4 Feb 2020 22:07

Instrument :

BNA_G

ClientSampleId :

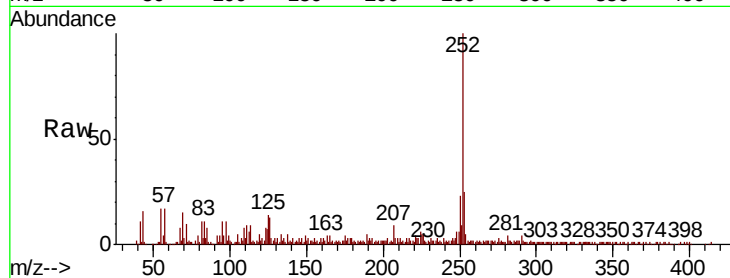
Tot Ion:252 Resp: 119605

Ion Ratio Lower Upper

252 100

253 24.9 18.1 27.1

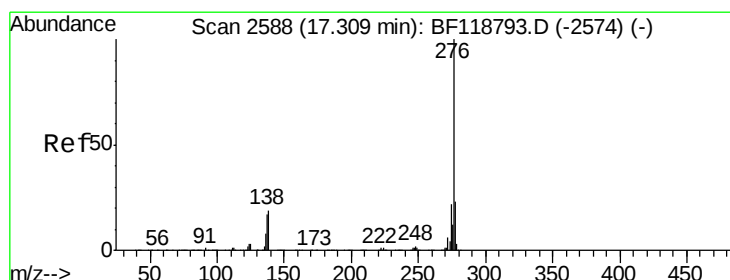
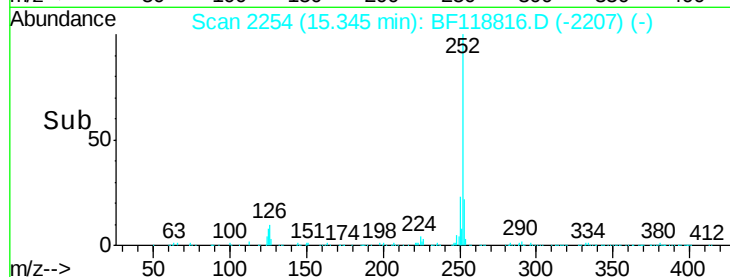
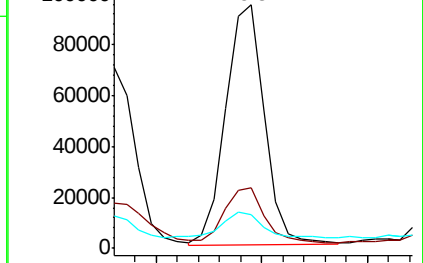
125 13.7 8.7 13.1#



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: 2.583 ng

RT: 17.26 min Scan# 2580

Delta R.T. -0.05 min

Lab File: BF118816.D

Acq: 4 Feb 2020 22:07

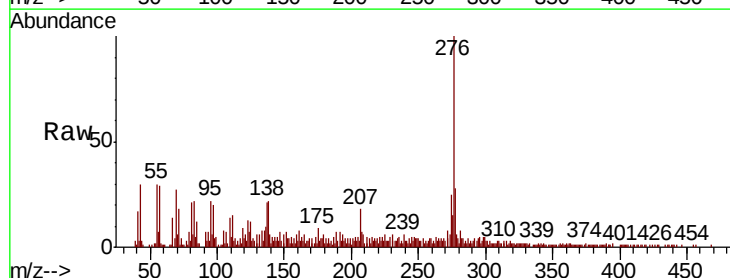
Tgt Ion:276 Resp: 80086

Ion Ratio Lower Upper

276 100

277 27.9 18.7 28.1

138 21.6 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

