

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF042420\
 Data File : BF120198.D
 Acq On : 24 Apr 2020 13:23
 Operator : MA/SJ
 Sample : L2120-01
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-042220

Quant Time: Apr 24 13:53:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 24 10:24:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	166915	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	633090	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	306044	20.00	ng	0.00
64) Phenanthrene-d10	11.18	188	516298	20.00	ng	0.00
76) Chrysene-d12	13.82	240	312396	20.00	ng	-0.01
87) Perylene-d12	15.22	264	306015	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	522715	54.12	ng	0.00
7) Phenol-d6	6.31	99	696458	55.96	ng	0.00
23) Nitrobenzene-d5	7.23	82	435158	35.56	ng	-0.01
42) 2,4,6-Tribromophenol	10.49	330	164726	43.96	ng	-0.01
45) 2-Fluorobiphenyl	9.03	172	869464	40.34	ng	0.00
79) Terphenyl-d14	12.77	244	732410	39.45	ng	0.00

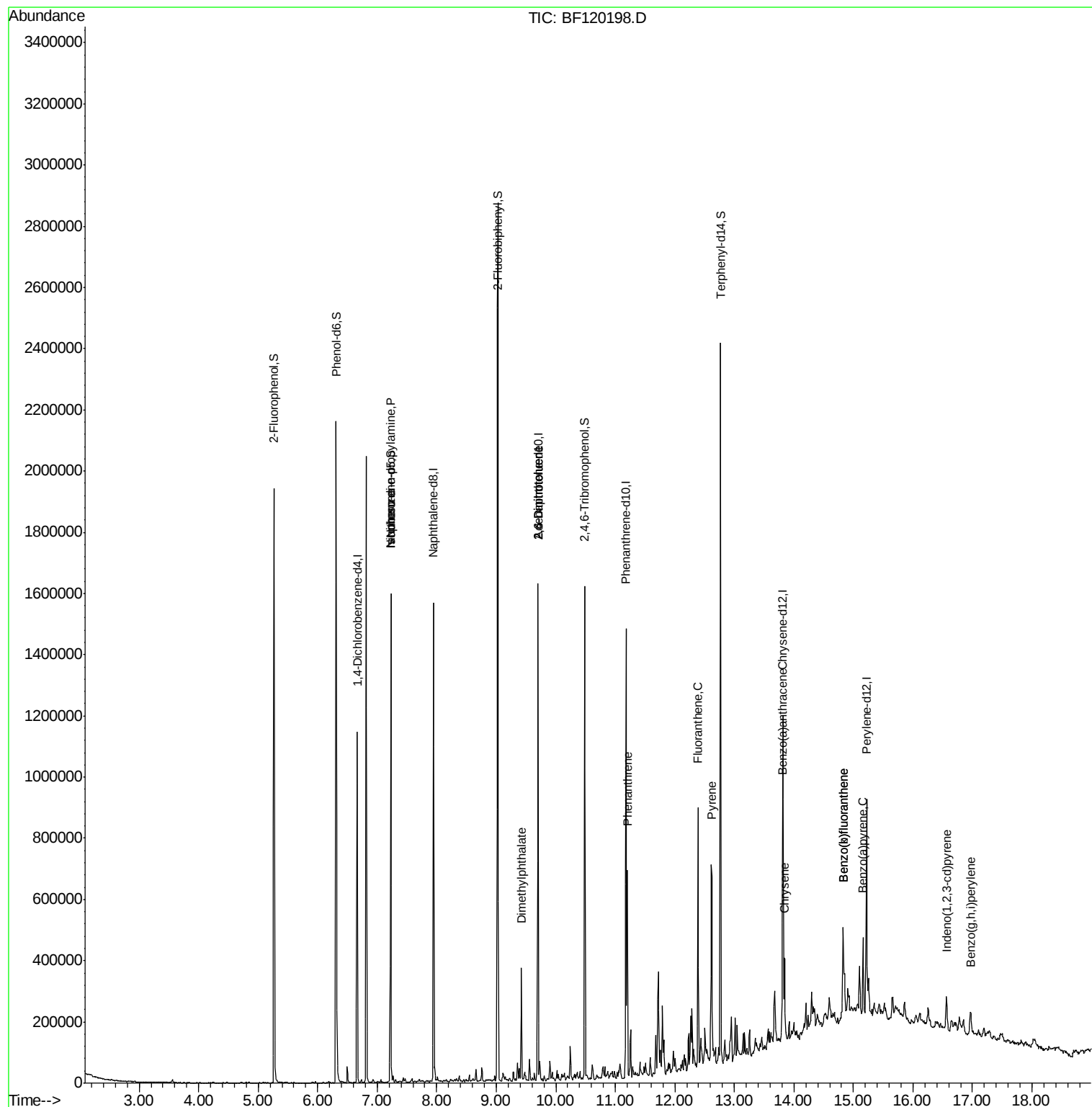
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.31	77	1064	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.23	70	56132	7.014	ng	# 77
25) Isophorone	7.23	82	431612	18.296	ng	# 65
50) Dimethylphthalate	9.42	163	121745	5.143	ng	# 99
51) 2,6-Dinitrotoluene	9.70	165	39764	7.671	ng	# 26
57) 2,4-Dinitrotoluene	9.70	165	39764	5.822	ng	# 20
71) Phenanthrene	11.20	178	212812	7.745	ng	# 97
75) Fluoranthene	12.39	202	302689	10.209	ng	# 96
78) Pyrene	12.62	202	280996	10.670	ng	# 99
81) Benzo(a)anthracene	13.80	228	128718	6.263	ng	# 98
83) Chrysene	13.84	228	118982	5.698	ng	# 95
86) Indeno(1,2,3-cd)pyrene	16.56	276	61042	3.316	ng	# 95
88) Benzo(b)fluoranthene	14.83	252	190277	8.643	ng	# 97
89) Benzo(k)fluoranthene	14.83	252	190277	10.018	ng	# 98
90) Benzo(a)pyrene	15.16	252	105771	5.714	ng	# 98
92) Benzo(g,h,i)perylene	16.97	276	57916	3.579	ng	# 94

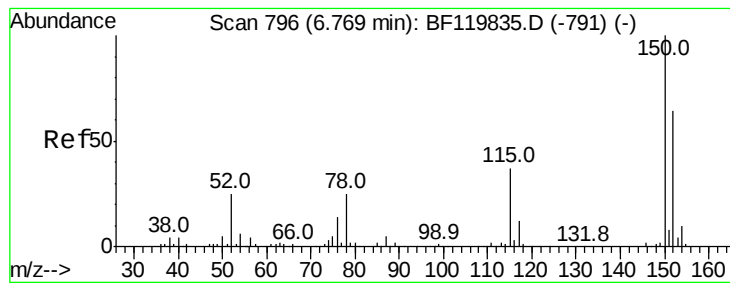
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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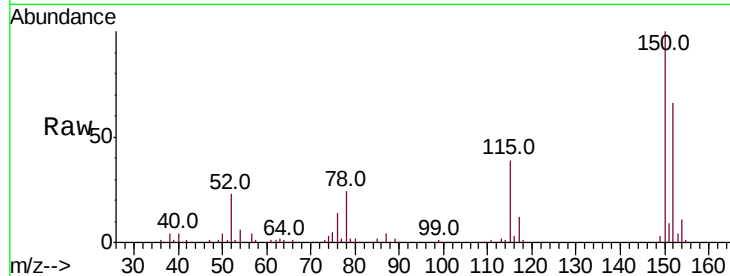


#1

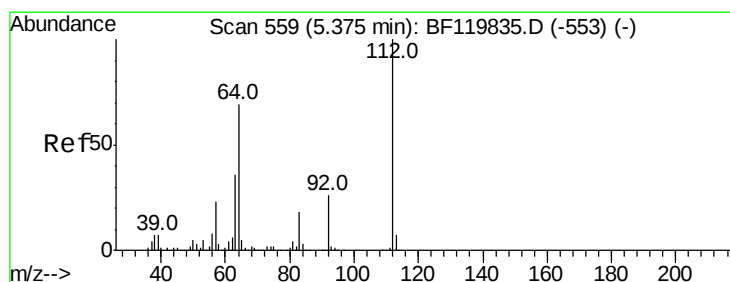
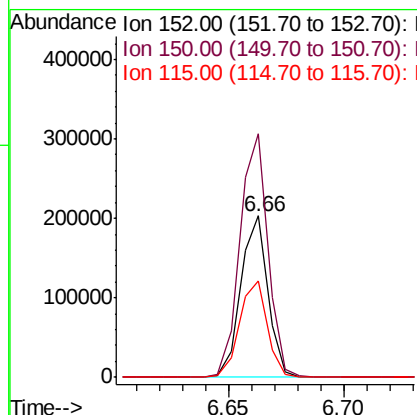
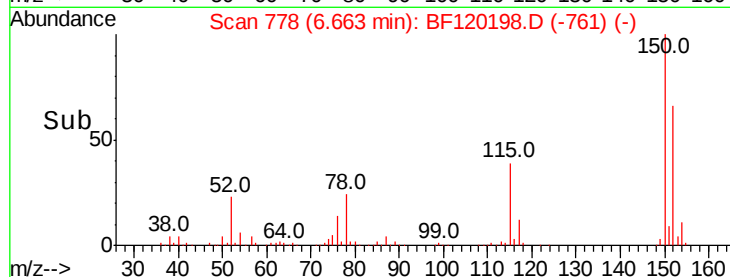
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.66 min Scan# 778
 Delta R.T. 0.00 min
 Lab File: BF120198.D
 Acq: 24 Apr 2020 13:23

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-042220

Tot Ion:152 Resp: 166915
 Ion Ratio Lower Upper
 152 100
 150 151.1 124.5 186.7
 115 59.5 49.6 74.4



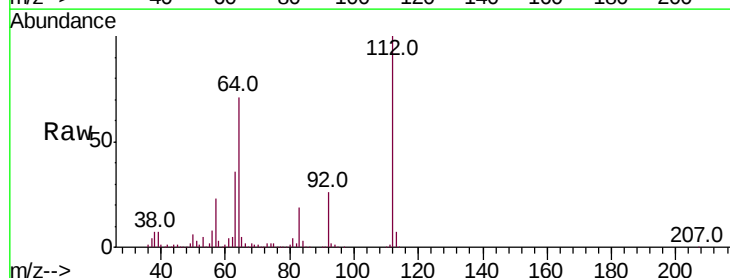
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



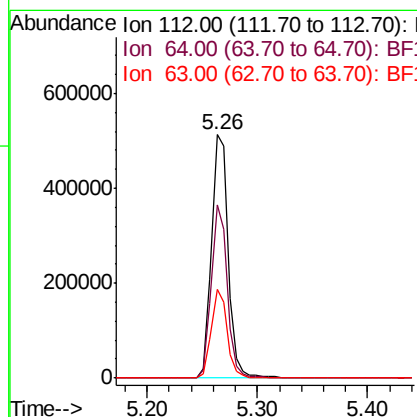
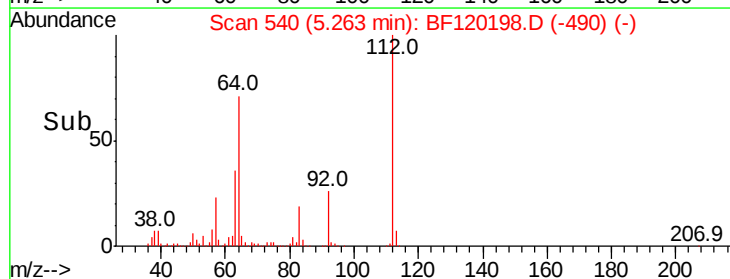
#5

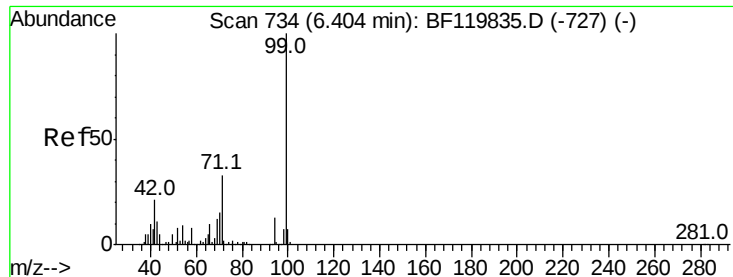
2-Fluorophenol
 Concen: 54.120 ng
 RT: 5.26 min Scan# 540
 Delta R.T. -0.01 min
 Lab File: BF120198.D
 Acq: 24 Apr 2020 13:23

Tgt Ion:112 Resp: 522715
 Ion Ratio Lower Upper
 112 100
 64 71.1 56.7 85.1
 63 36.4 29.5 44.3



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: 55.961 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF120198.D

Acq: 24 Apr 2020 13:23

Instrument :

BNA_F

ClientSampleId :

OR-02-042220

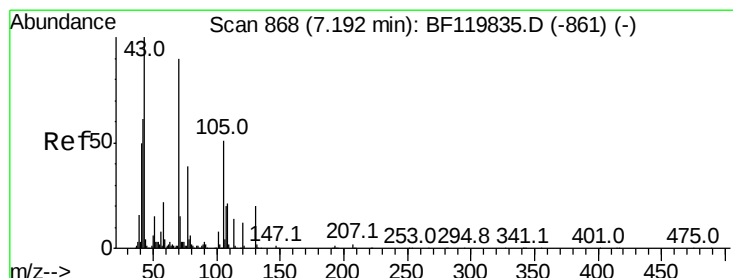
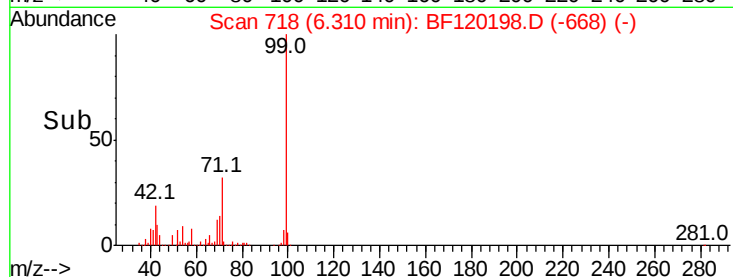
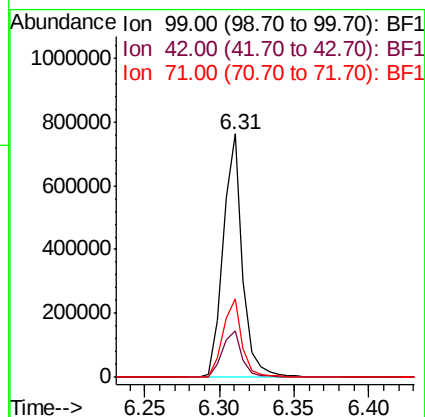
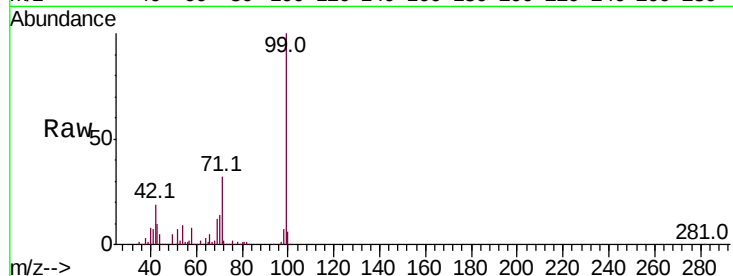
Tot Ion: 99 Resp: 696458

Ion Ratio Lower Upper

99 100

42 19.3 16.6 24.8

71 32.3 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 7.014 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.14 min

Lab File: BF120198.D

Acq: 24 Apr 2020 13:23

Tgt Ion: 70 Resp: 56132

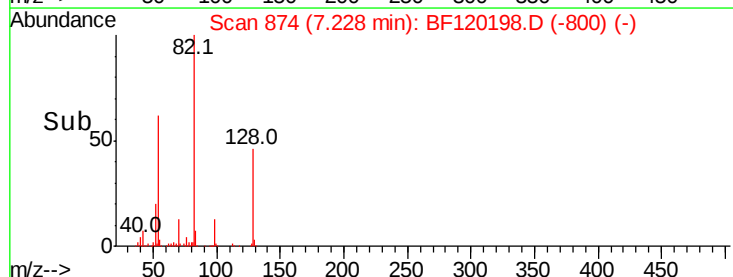
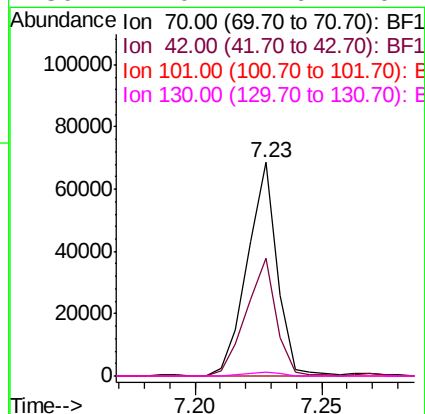
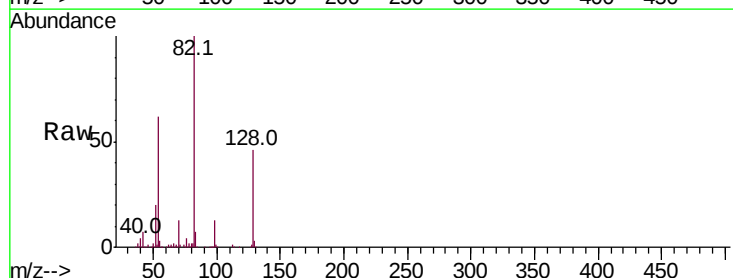
Ion Ratio Lower Upper

70 100

42 55.2 54.5 81.7

101 0.0 7.6 11.4#

130 2.0 17.6 26.4#

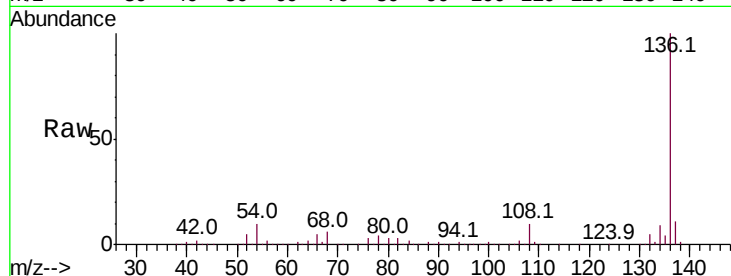




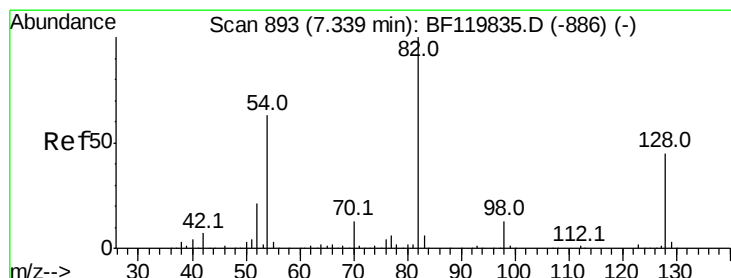
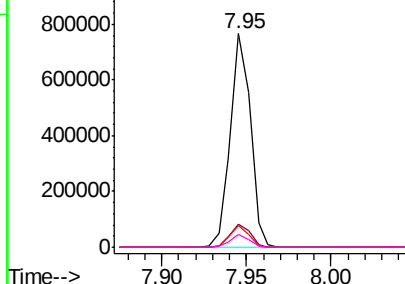
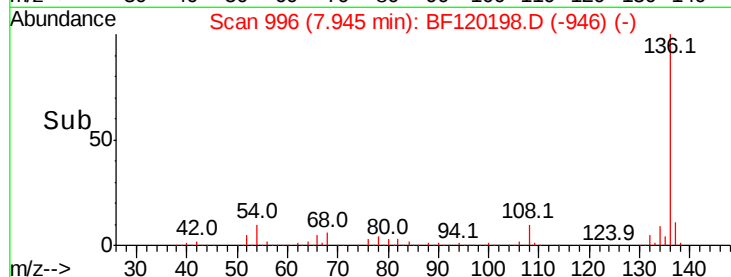
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF120198.D
Acq: 24 Apr 2020 13:23

Instrument :
BNA_F
ClientSampleId :
OR-02-042220

Tot Ion:	136	Resp:	633090
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	10.3	9.1	13.7
68	6.0	4.6	6.8

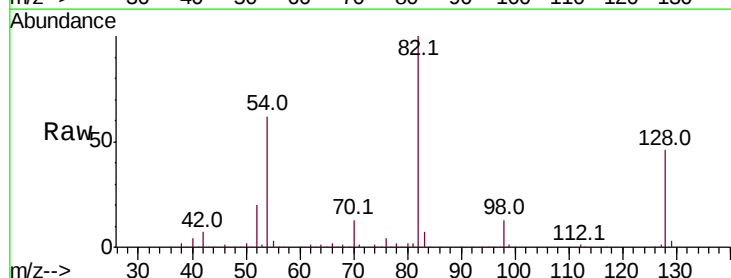


Abundance Ion 136.00 (135.70 to 136.70): E
1200000
Ion 137.00 (136.70 to 137.70): E
1000000
Ion 54.00 (53.70 to 54.70): BF1
800000
Ion 68.00 (67.70 to 68.70): BF1

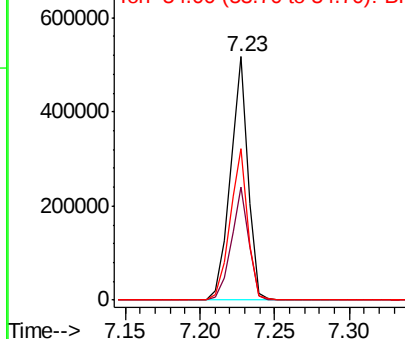
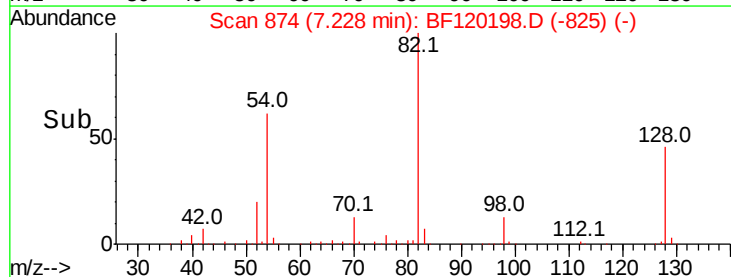


#23
Nitrobenzene-d5
Concen: 35.559 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF120198.D
Acq: 24 Apr 2020 13:23

Tgt Ion:	82	Resp:	435158
Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.3	54.5
54	62.2	50.6	75.8



Abundance Ion 82.00 (81.70 to 82.70): BF1
600000
Ion 128.00 (127.70 to 128.70): E
400000
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 18.296 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.27 min

Lab File: BF120198.D

Acq: 24 Apr 2020 13:23

Instrument :

BNA_F

ClientSampleId :

OR-02-042220

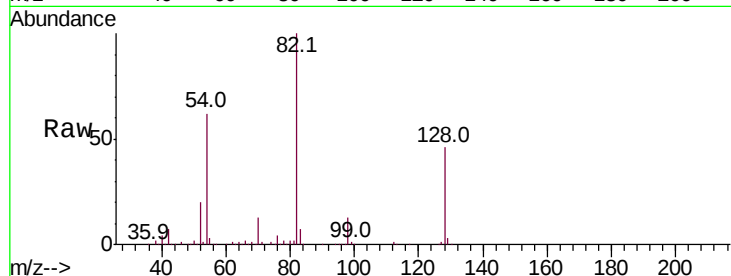
Tot Ion: 82 Resp: 431612

Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.6#

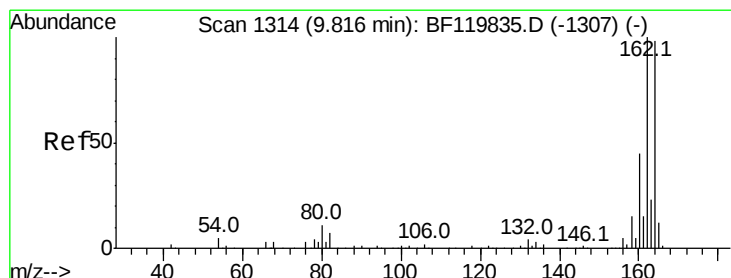
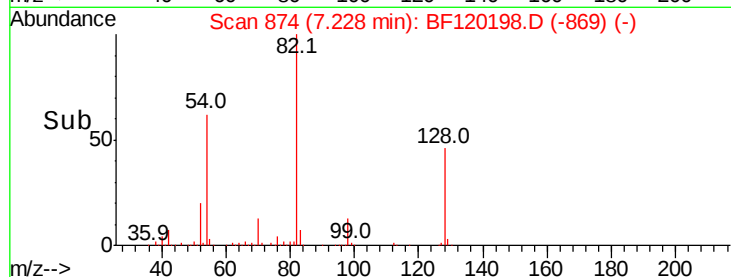
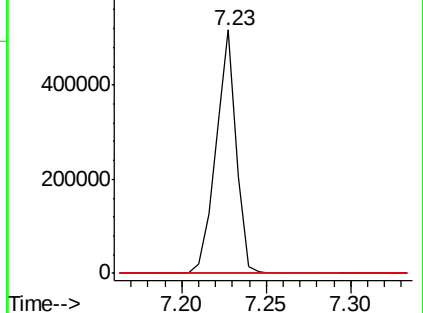
138 0.0 14.6 21.8#



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: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF120198.D

Acq: 24 Apr 2020 13:23

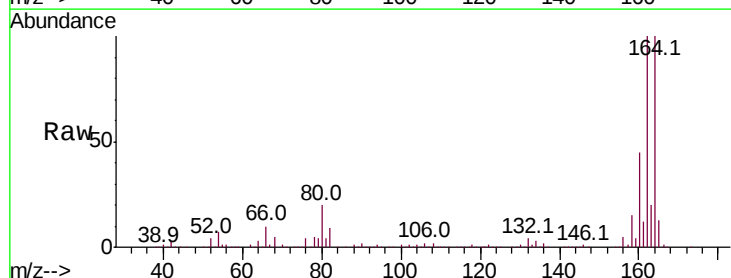
Tgt Ion:164 Resp: 306044

Ion Ratio Lower Upper

164 100

162 100.3 80.6 121.0

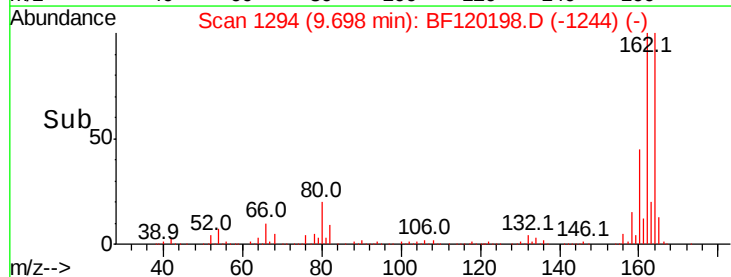
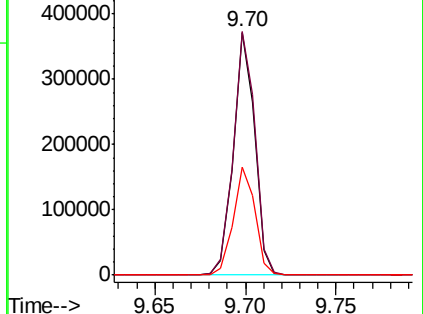
160 44.7 35.7 53.5

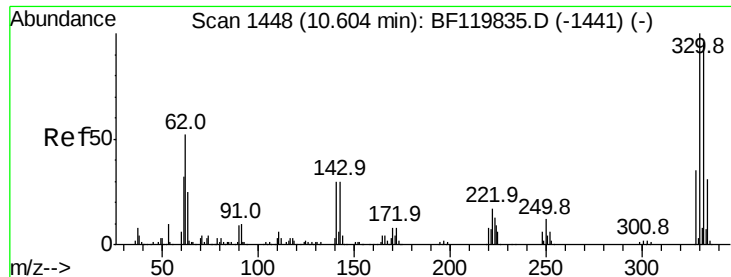


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

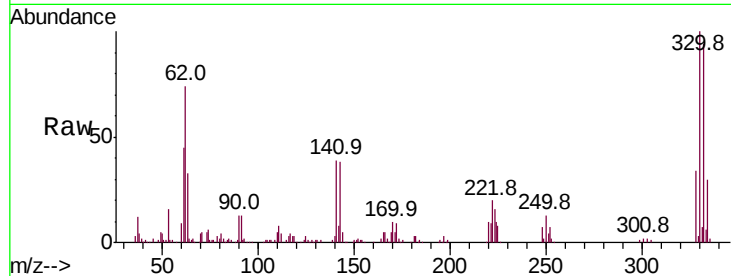




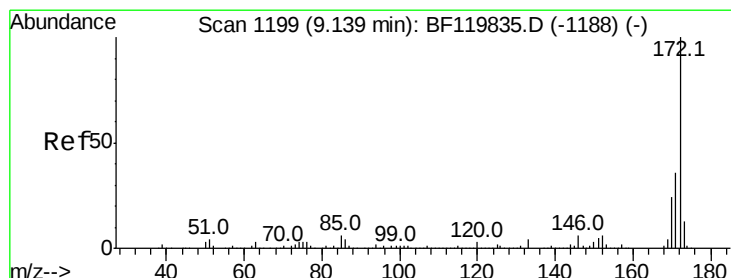
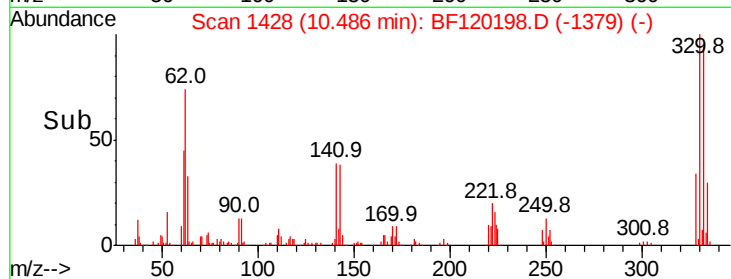
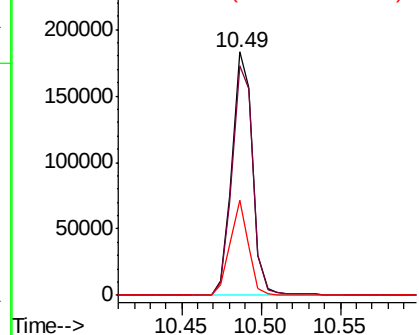
#42
 2,4,6-Tribromophenol
 Concen: 43.962 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF120198.D
 Acq: 24 Apr 2020 13:23

Instrument :
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 OR-02-042220

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	75.7	113.5
141	34.9	25.4	38.0

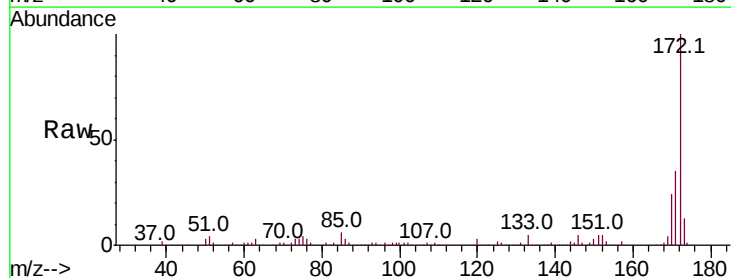


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

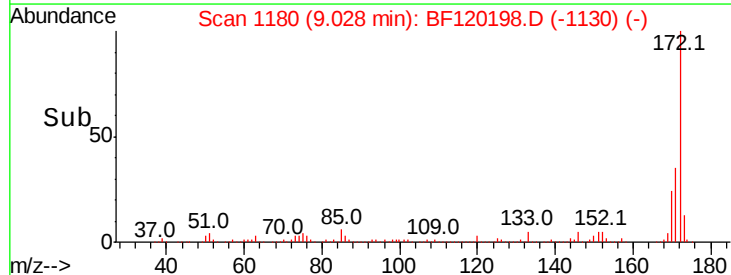
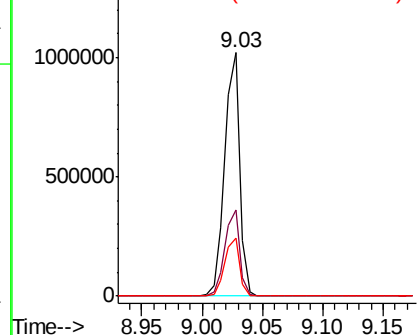


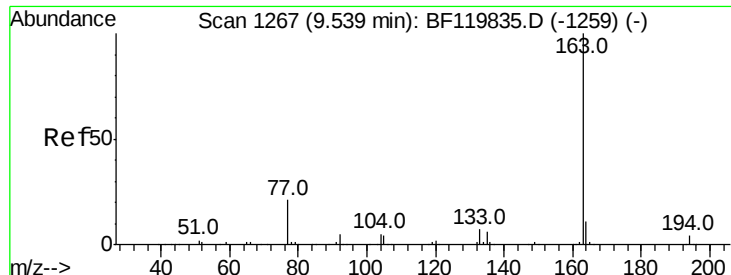
#45
 2-Fluorobiphenyl
 Concen: 40.336 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF120198.D
 Acq: 24 Apr 2020 13:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.6	44.4
170	23.6	20.2	30.2



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: 5.143 ng

RT: 9.42 min Scan# 1247

Delta R.T. -0.02 min

Lab File: BF120198.D

Acq: 24 Apr 2020 13:23

Instrument :

BNA_F

ClientSampleId :

OR-02-042220

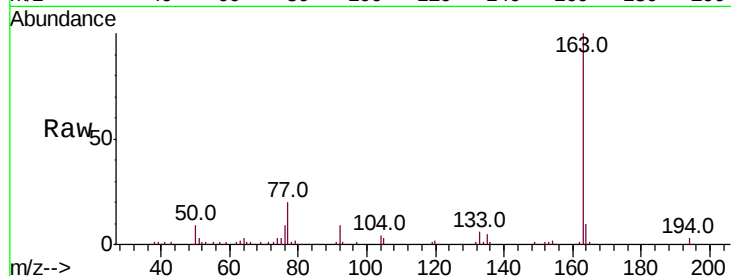
Tot Ion:163 Resp: 121745

Ion Ratio Lower Upper

163 100

194 3.5 3.1 4.7

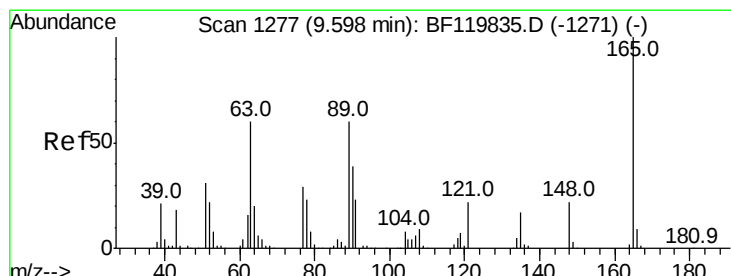
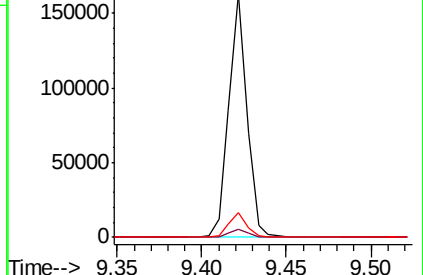
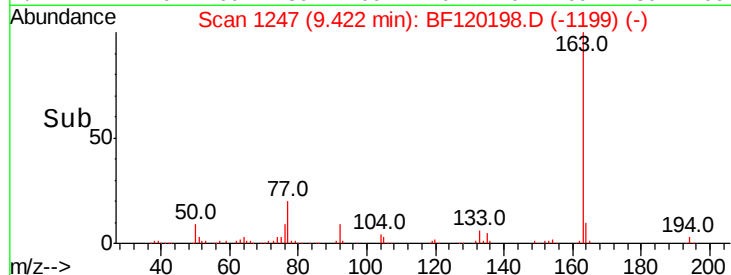
164 10.3 8.2 12.2



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



#51

2,6-Dinitrotoluene

Concen: 7.671 ng

RT: 9.70 min Scan# 1294

Delta R.T. 0.20 min

Lab File: BF120198.D

Acq: 24 Apr 2020 13:23

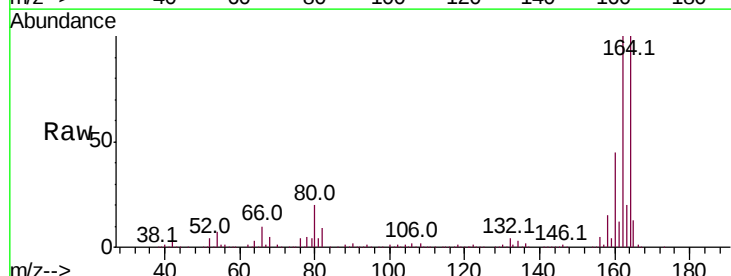
Tgt Ion:165 Resp: 39764

Ion Ratio Lower Upper

165 100

63 0.9 45.0 67.4#

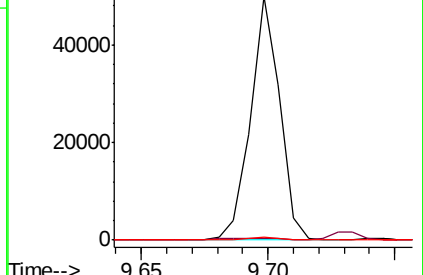
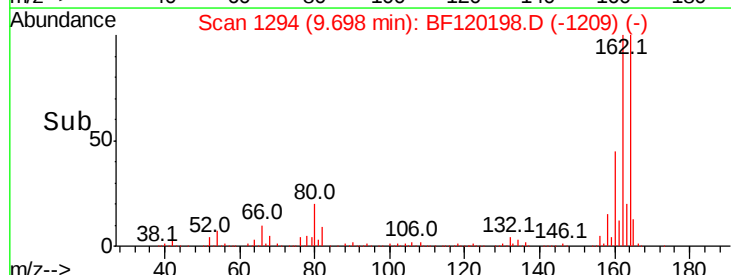
89 1.2 41.5 62.3#

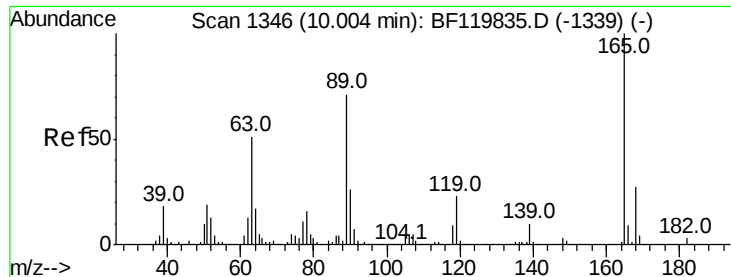


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

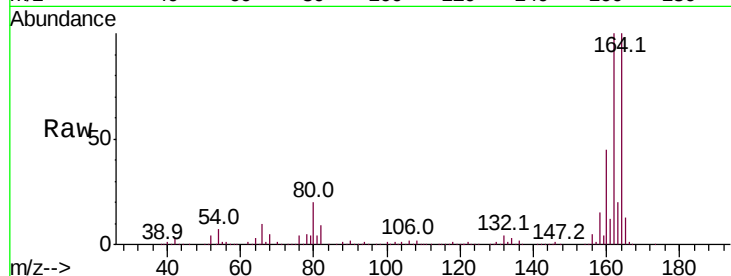




#57
 2,4-Dinitrotoluene
 Concen: 5.822 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. -0.21 min
 Lab File: BF120198.D
 Acq: 24 Apr 2020 13:23

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-042220

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	42.6	64.0#
89	1.2	61.0	91.4#
182	0.0	2.2	3.2#

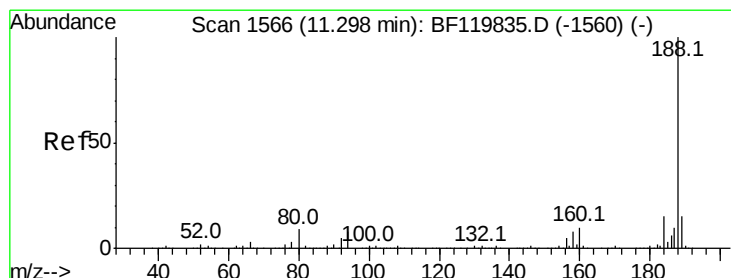
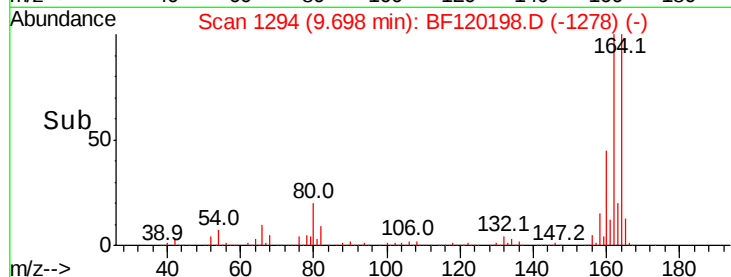
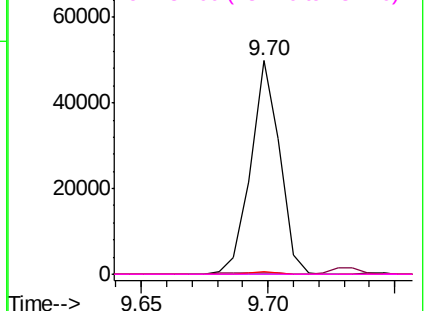


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

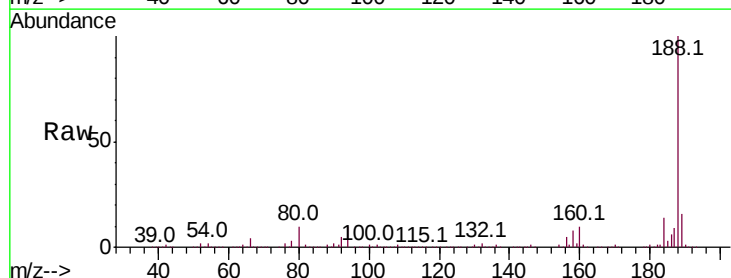
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.18 min Scan# 1546
 Delta R.T. -0.01 min
 Lab File: BF120198.D
 Acq: 24 Apr 2020 13:23

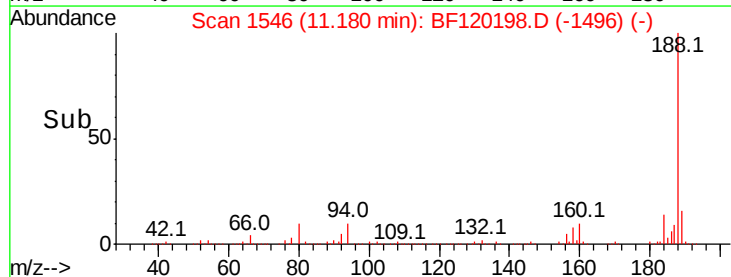
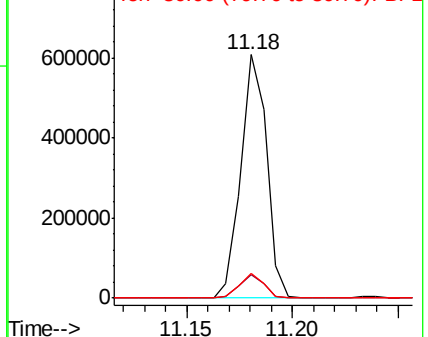
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.5	11.3
80	9.9	9.0	13.4

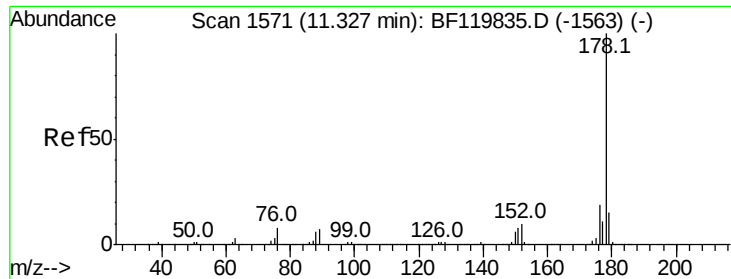


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

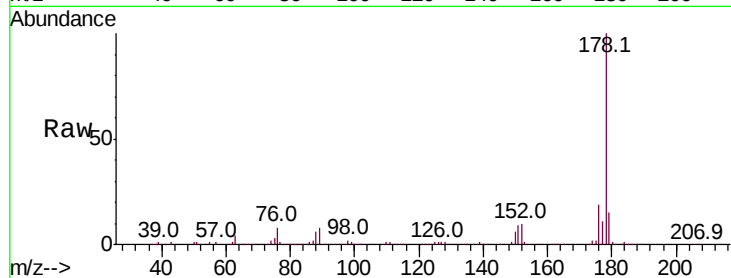




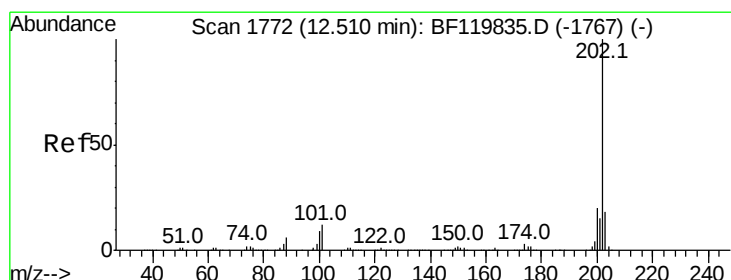
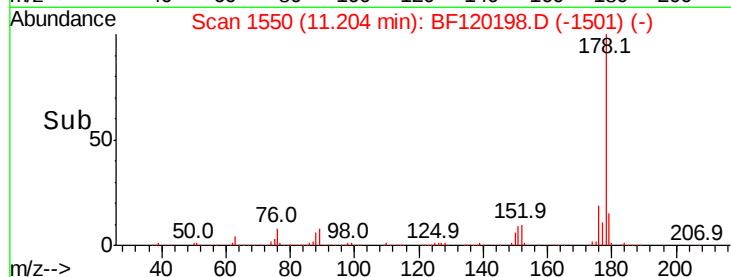
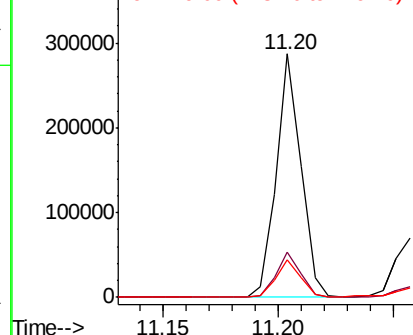
#71
Phenanthrene
Concen: 7.745 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BF120198.D
Acq: 24 Apr 2020 13:23

Instrument :
BNA_F
ClientSampleId :
OR-02-042220

Tot Ion:178 Resp: 212812
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.4
179 15.3 13.2 19.8

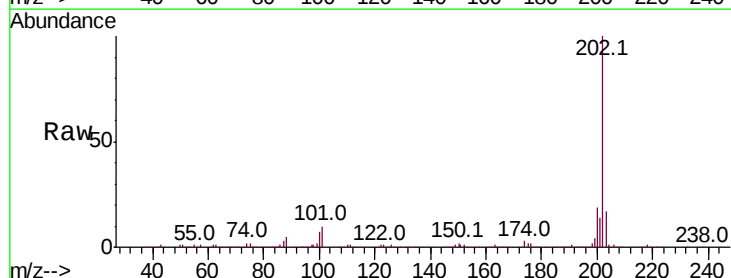


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

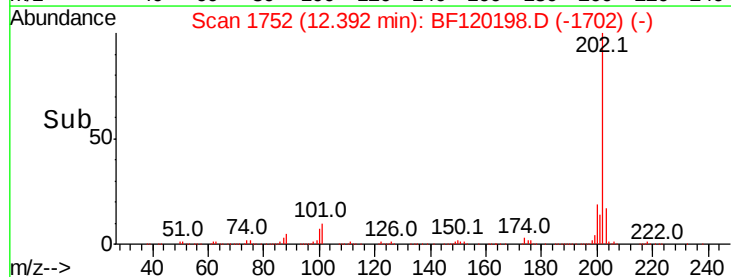
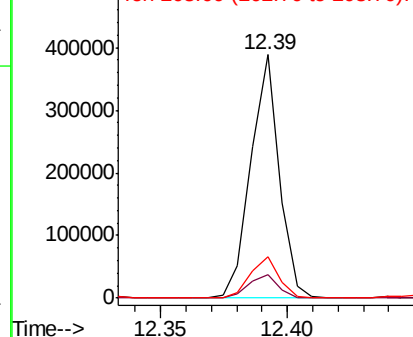


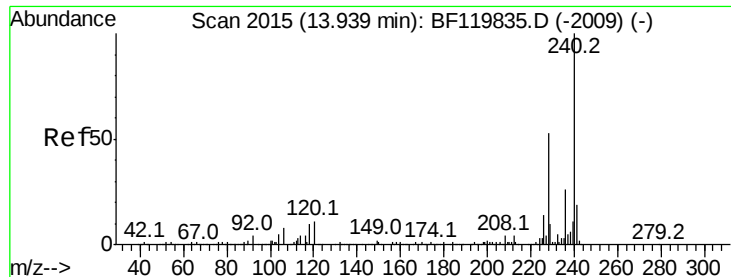
#75
Fluoranthene
Concen: 10.209 ng
RT: 12.39 min Scan# 1752
Delta R.T. -0.01 min
Lab File: BF120198.D
Acq: 24 Apr 2020 13:23

Tgt Ion:202 Resp: 302689
Ion Ratio Lower Upper
202 100
101 9.8 0.0 32.2
203 17.3 0.0 38.8



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: 13.82 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BF120198.D

Acq: 24 Apr 2020 13:23

Instrument :

BNA_F

ClientSampleId :

OR-02-042220

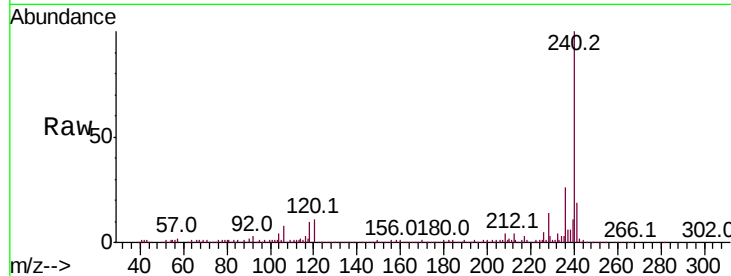
Tot Ion:240 Resp: 312396

Ion Ratio Lower Upper

240 100

120 10.9 10.6 15.8

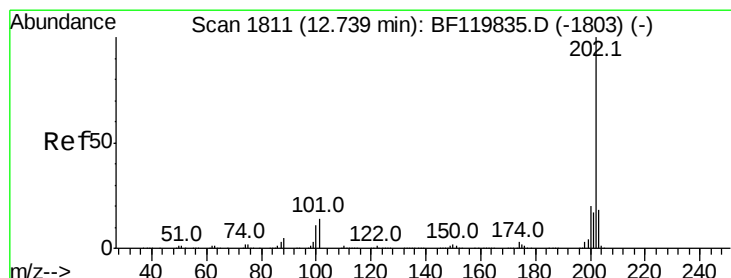
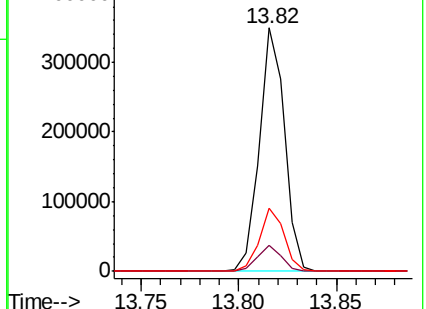
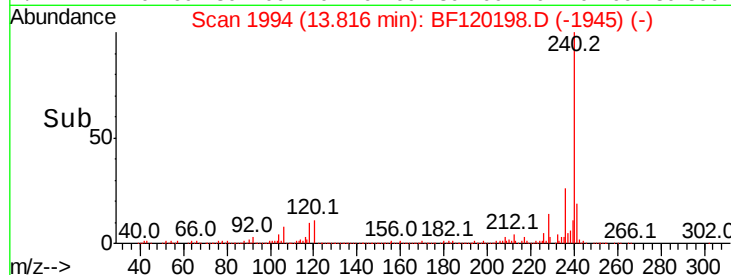
236 26.1 20.2 30.2



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

Pyrene

Concen: 10.670 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF120198.D

Acq: 24 Apr 2020 13:23

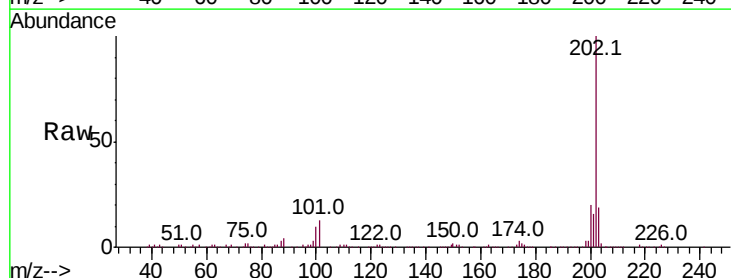
Tgt Ion:202 Resp: 280996

Ion Ratio Lower Upper

202 100

200 20.1 16.8 25.2

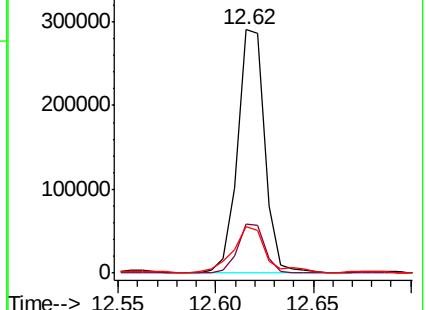
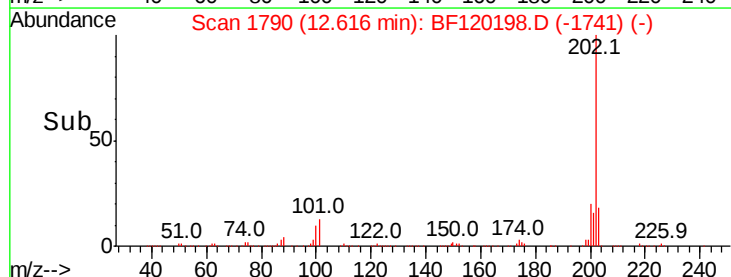
203 19.1 15.1 22.7

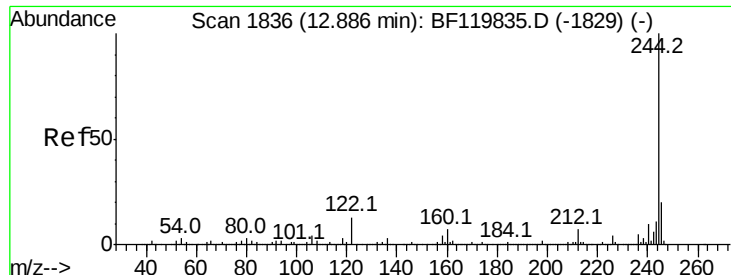


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 39.450 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120198.D

Acq: 24 Apr 2020 13:23

Instrument :

BNA_F

ClientSampleId :

OR-02-042220

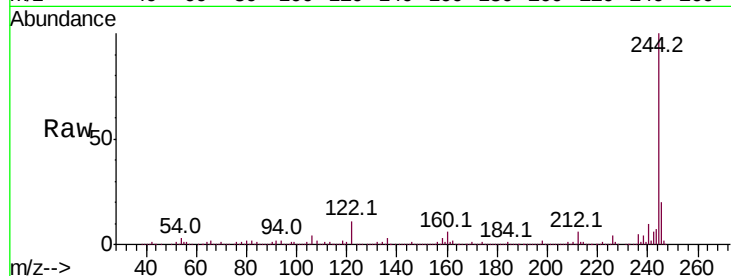
Tot Ion:244 Resp: 732410

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.8

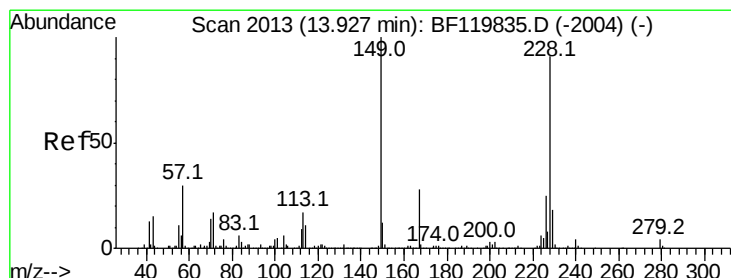
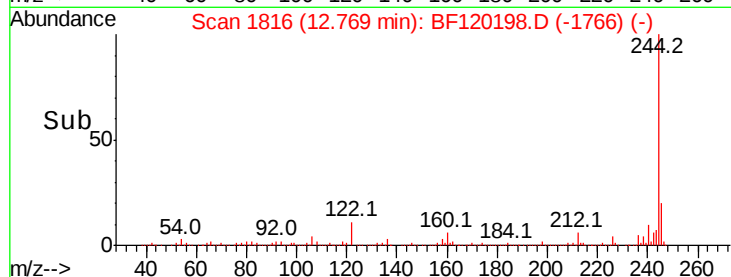
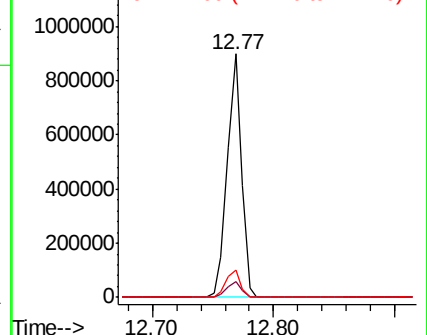
122 11.2 10.3 15.5



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: 6.263 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF120198.D

Acq: 24 Apr 2020 13:23

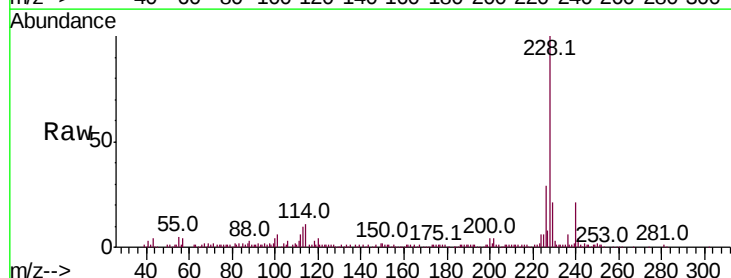
Tgt Ion:228 Resp: 128718

Ion Ratio Lower Upper

228 100

226 28.8 21.8 32.8

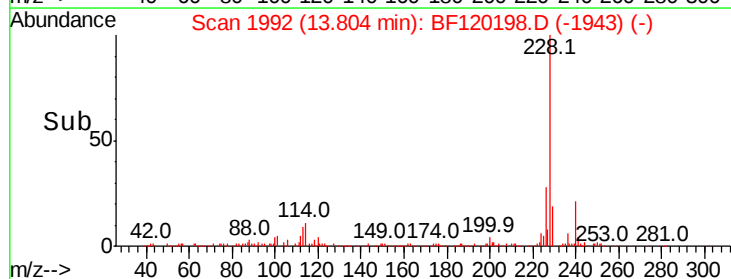
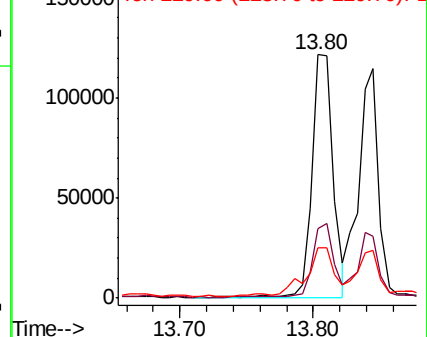
229 20.7 16.2 24.4

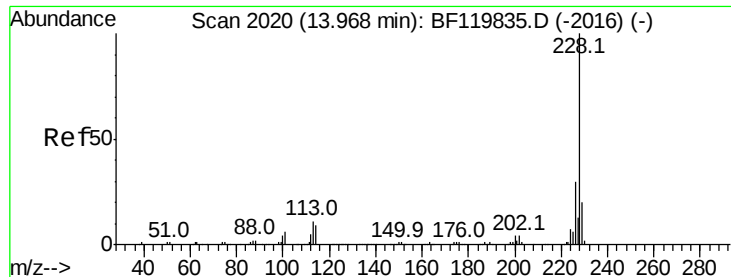


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.698 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.01 min

Lab File: BF120198.D

Acq: 24 Apr 2020 13:23

Instrument :

BNA_F

ClientSampleId :

OR-02-042220

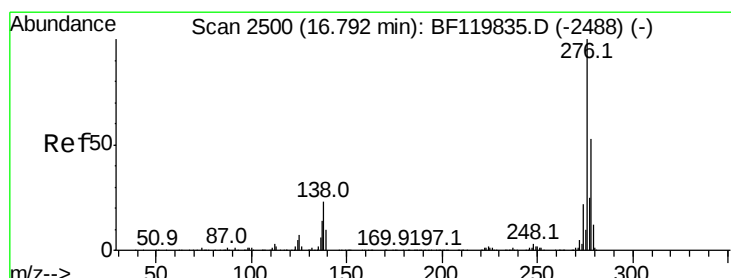
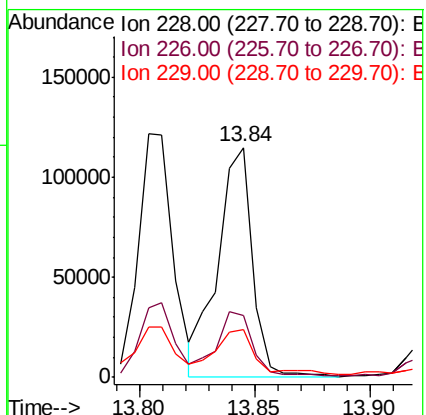
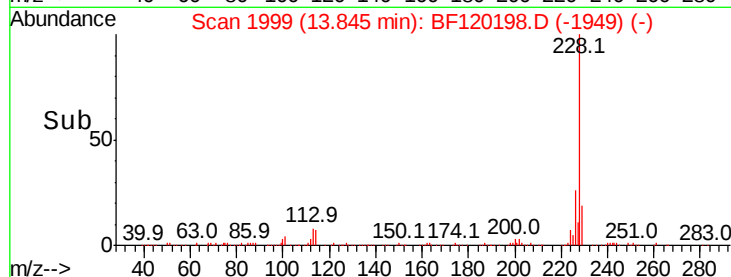
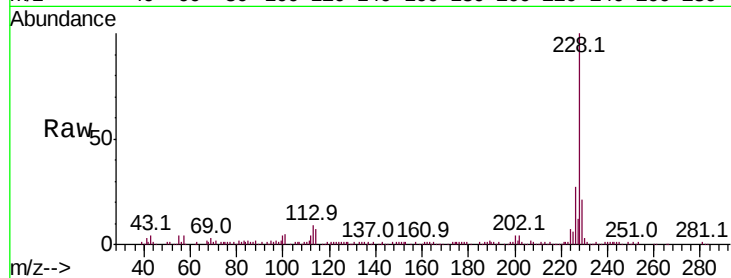
Tot Ion:228 Resp: 118982

Ion Ratio Lower Upper

228 100

226 27.1 25.4 38.0

229 21.0 16.6 24.8



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.316 ng

RT: 16.56 min Scan# 2461

Delta R.T. -0.01 min

Lab File: BF120198.D

Acq: 24 Apr 2020 13:23

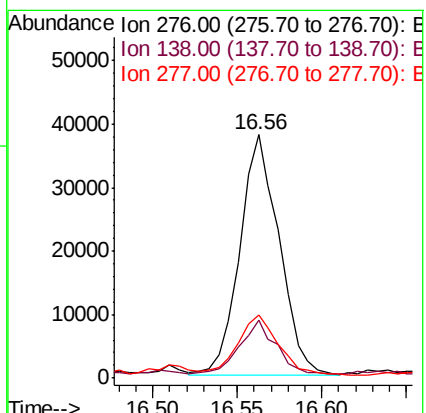
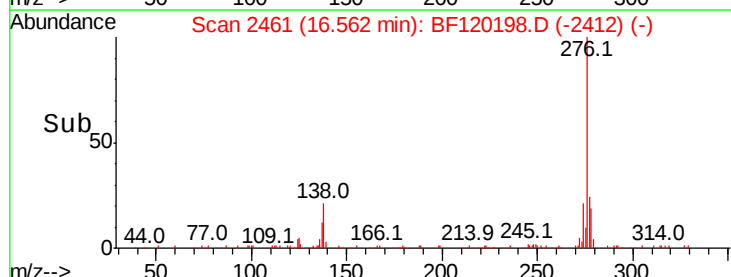
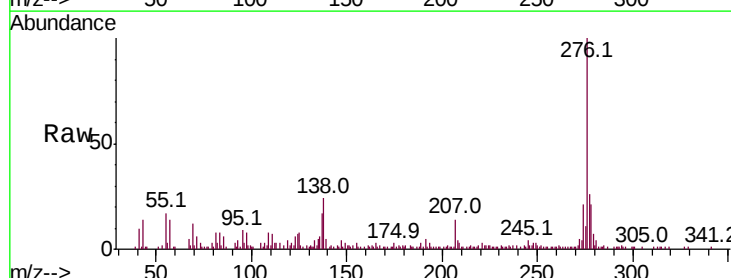
Tgt Ion:276 Resp: 61042

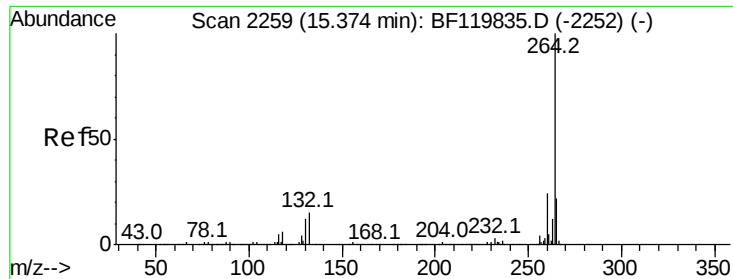
Ion Ratio Lower Upper

276 100

138 21.4 19.6 29.4

277 26.6 20.0 30.0

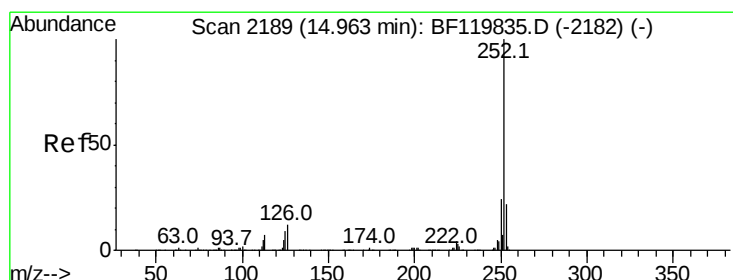
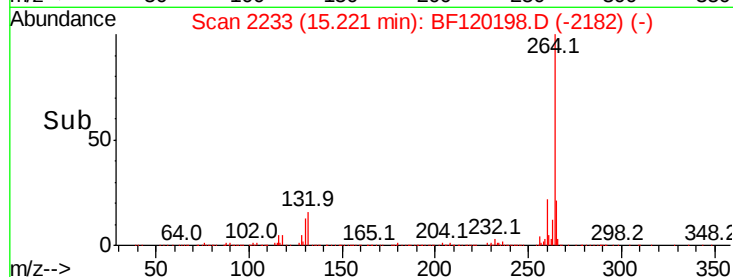
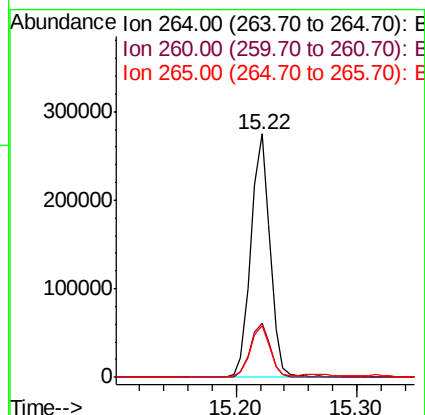
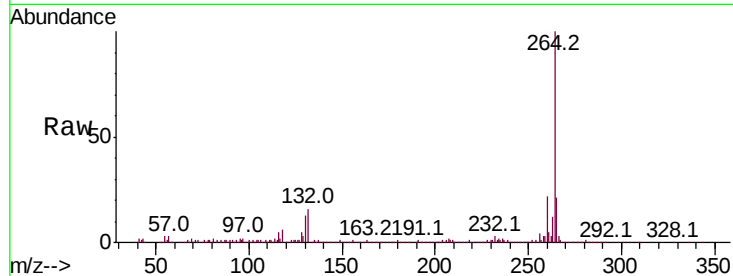




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.00 min
Lab File: BF120198.D
Acq: 24 Apr 2020 13:23

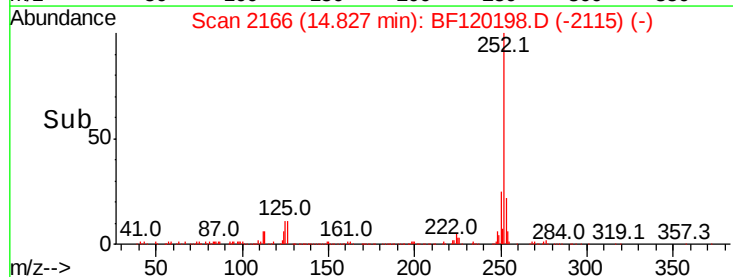
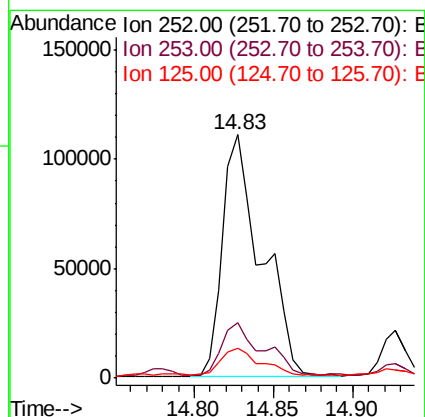
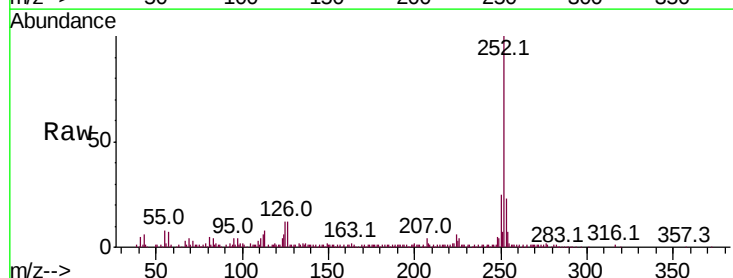
Instrument :
BNA_F
ClientSampleId :
OR-02-042220

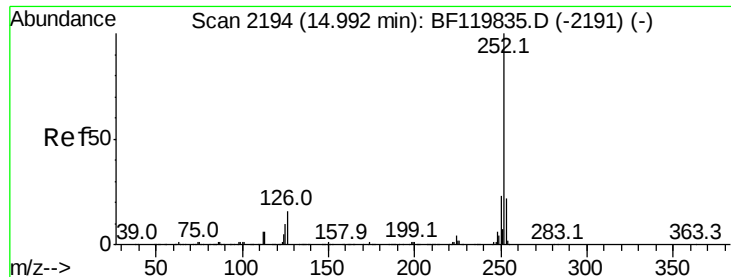
Tot Ion:264 Resp: 306015
Ion Ratio Lower Upper
264 100
260 22.4 18.7 28.1
265 21.2 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 8.643 ng
RT: 14.83 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BF120198.D
Acq: 24 Apr 2020 13:23

Tgt Ion:252 Resp: 190277
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 12.2 7.9 11.9#





#89

Benzo(k)fluoranthene

Concen: 10.018 ng

RT: 14.83 min Scan# 2166

Delta R.T. -0.03 min

Lab File: BF120198.D

Acq: 24 Apr 2020 13:23

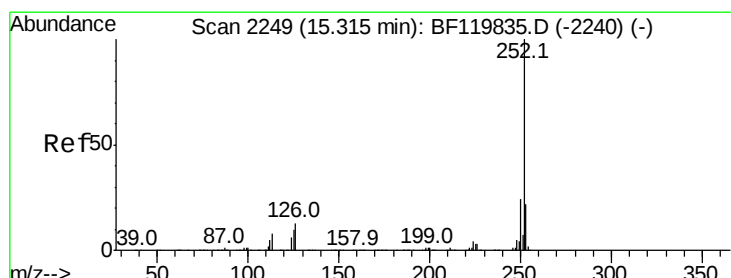
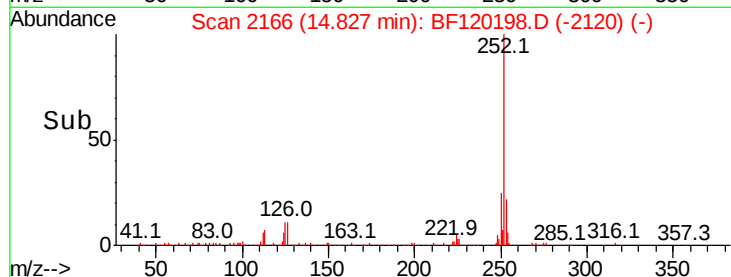
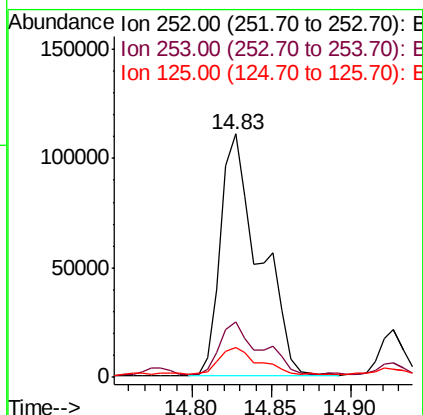
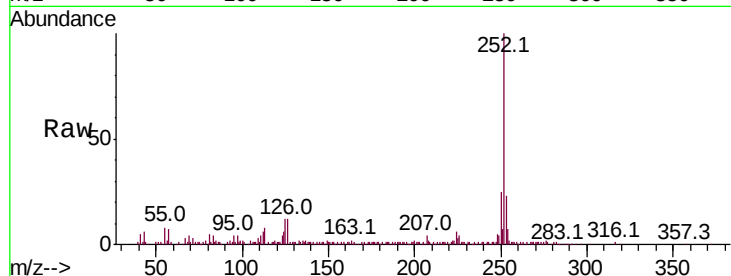
Instrument :

BNA_F

ClientSampleId :

OR-02-042220

Tot Ion:252	Resp:	190277
Ion Ratio	Lower	Upper
252	100	
253	22.7	17.8 26.6
125	12.2	8.4 12.6



#90

Benzo(a)pyrene

Concen: 5.714 ng

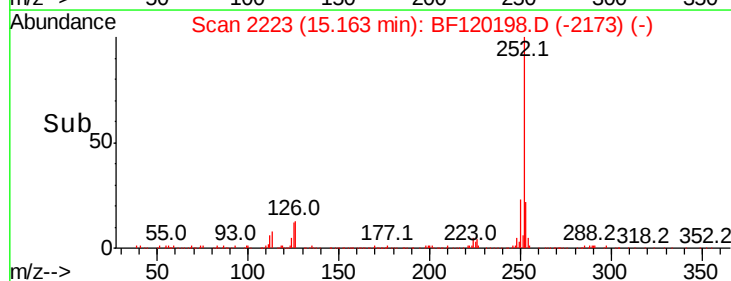
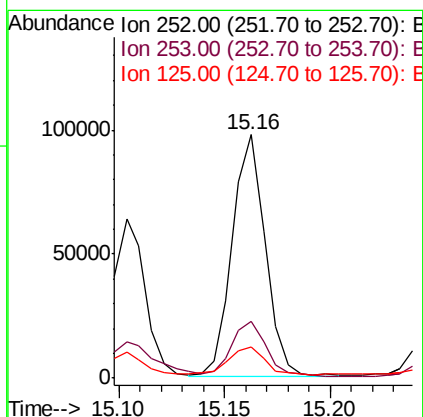
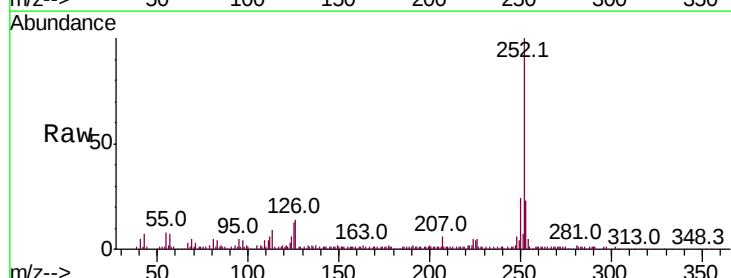
RT: 15.16 min Scan# 2223

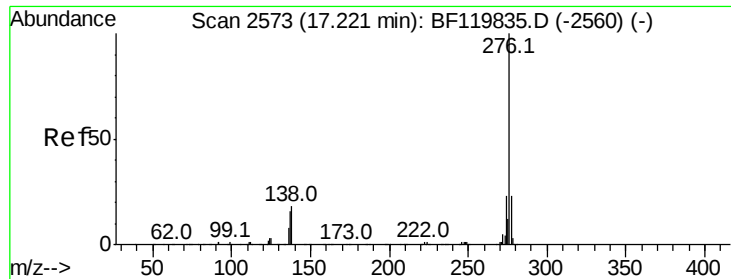
Delta R.T. -0.01 min

Lab File: BF120198.D

Acq: 24 Apr 2020 13:23

Tgt Ion:252	Resp:	105771
Ion Ratio	Lower	Upper
252	100	
253	23.3	18.2 27.2
125	13.0	9.4 14.2





#92
 Benzo(a,h,i)perylene
 Concen: 3.579 ng
 RT: 16.97 min Scan# 2530
 Delta R.T. -0.01 min
 Lab File: BF120198.D
 Acq: 24 Apr 2020 13:23

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-042220

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.4	27.6
138	22.4	15.4	23.0

