

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF042420\
 Data File : BF120199.D
 Acq On : 24 Apr 2020 13:50
 Operator : MA/SJ
 Sample : L2351-10
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-21A

Quant Time: Apr 24 14:24:08 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	177571	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	656148	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	311306	20.00	ng	0.00
64) Phenanthrene-d10	11.18	188	448550	20.00	ng	0.00
76) Chrysene-d12	13.82	240	321173	20.00	ng	-0.01
87) Perylene-d12	15.22	264	300945	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.27	112	872036	84.87	ng	0.00
7) Phenol-d6	6.32	99	1117146	84.38	ng	0.00
23) Nitrobenzene-d5	7.23	82	689161	54.34	ng	0.00
42) 2,4,6-Tribromophenol	10.49	330	234643	61.56	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	1275980	58.19	ng	0.00
79) Terphenyl-d14	12.77	244	1024643	53.68	ng	0.00

Target Compounds

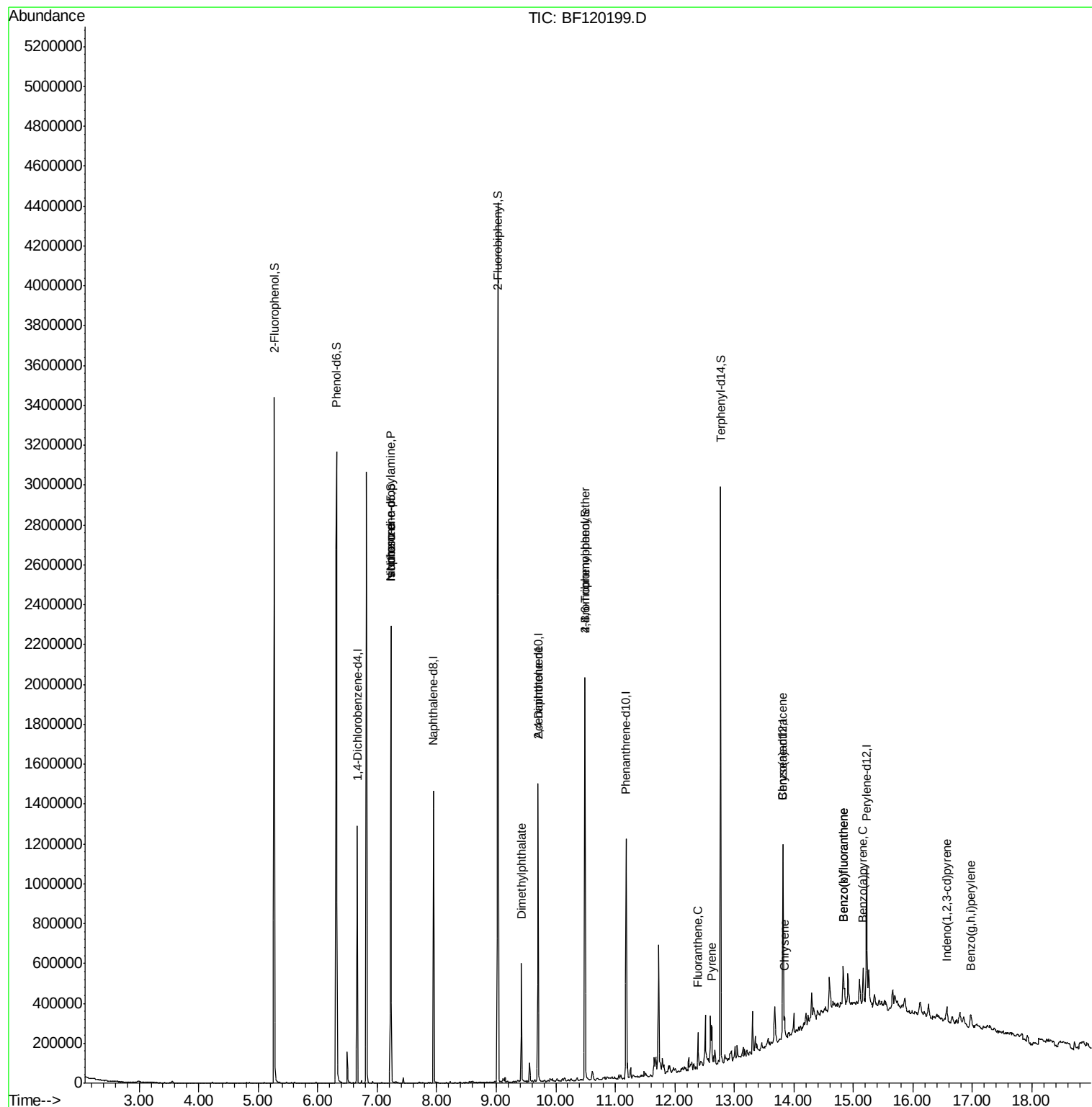
	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.31	77	1811	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.23	70	90510	10.631	ng	# 76
25) Isophorone	7.23	82	686456	28.076	ng	# 65
50) Dimethylphthalate	9.42	163	199389	8.281	ng	100
57) 2,4-Dinitrotoluene	9.70	165	40073	5.768	ng	# 21
67) 4-Bromophenyl-phenylether	10.49	248	15202	2.725	ng	# 1
75) Fluoranthene	12.39	202	65542	2.545	ng	97
78) Pyrene	12.62	202	82310	3.040	ng	97
81) Benzo(a)anthracene	13.81	228	50408	2.386	ng	# 78
83) Chrysene	13.84	228	54172	2.523	ng	# 93
86) Indeno(1,2,3-cd)pyrene	16.57	276	46423	2.453	ng	95
88) Benzo(b)fluoranthene	14.83	252	118624	5.479	ng	# 95
89) Benzo(k)fluoranthene	14.83	252	118624	6.351	ng	# 96
90) Benzo(a)pyrene	15.16	252	72896	4.005	ng	# 96
92) Benzo(a,h,i)perylene	16.97	276	46983	2.952	ng	# 90

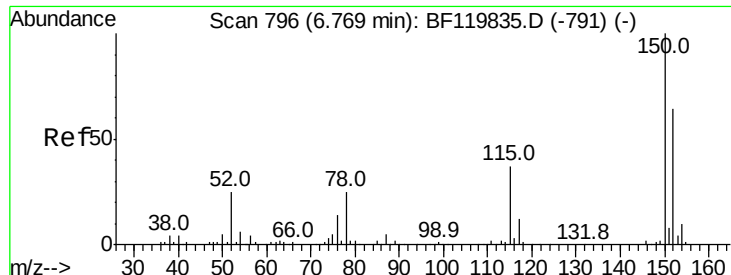
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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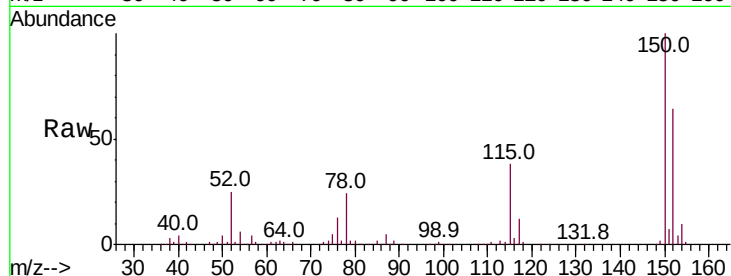


#1

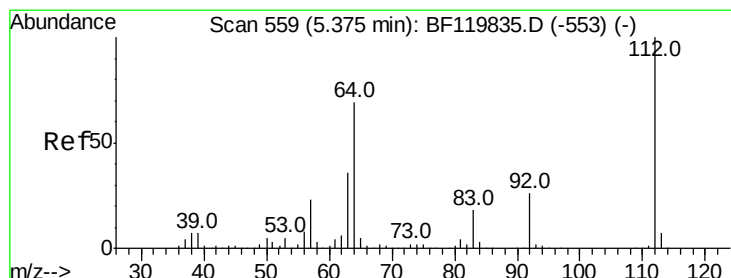
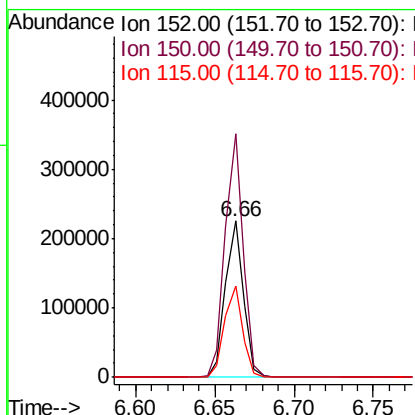
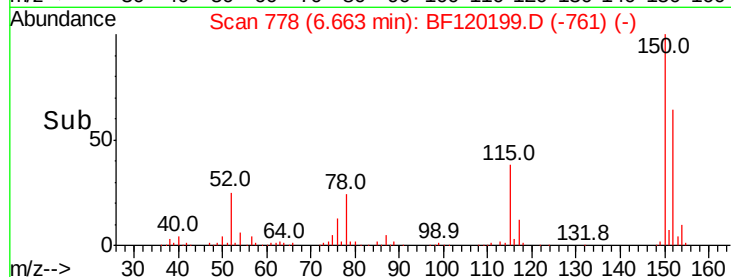
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. 0.00 min
Lab File: BF120199.D
Acq: 24 Apr 2020 13:50

Instrument :
BNA_F
ClientSampled :
TP-21A

Tot Ion:152 Resp: 177571
Ion Ratio Lower Upper
152 100
150 155.8 124.5 186.7
115 58.8 49.6 74.4



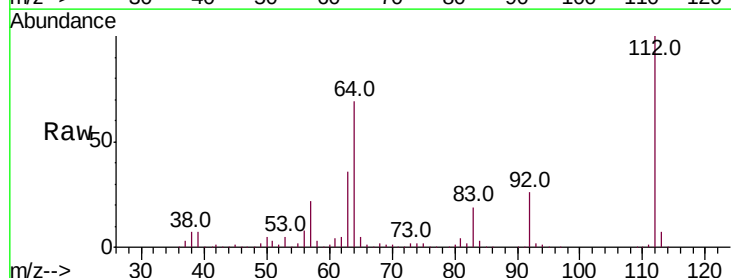
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



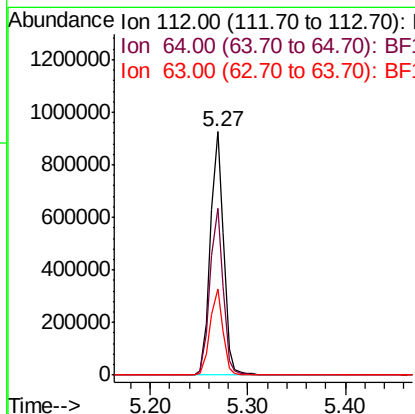
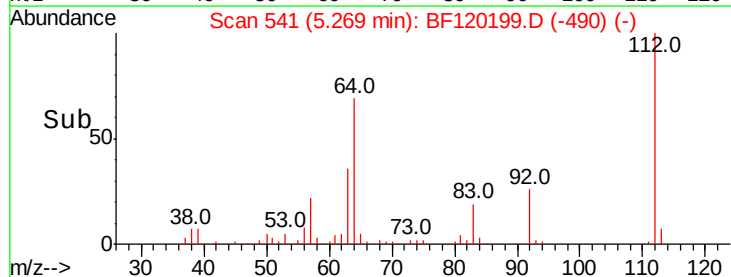
#5

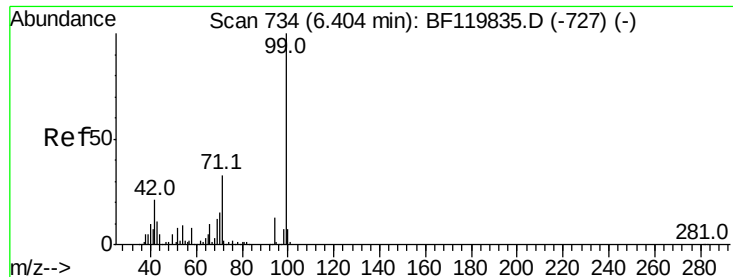
2-Fluorophenol
Concen: 84.870 ng
RT: 5.27 min Scan# 541
Delta R.T. 0.00 min
Lab File: BF120199.D
Acq: 24 Apr 2020 13:50

Tgt Ion:112 Resp: 872036
Ion Ratio Lower Upper
112 100
64 68.6 56.7 85.1
63 35.5 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: 84.378 ng

RT: 6.32 min Scan# 719

Delta R.T. 0.00 min

Lab File: BF120199.D

Acq: 24 Apr 2020 13:50

Instrument :

BNA_F

ClientSampleId :

TP-21A

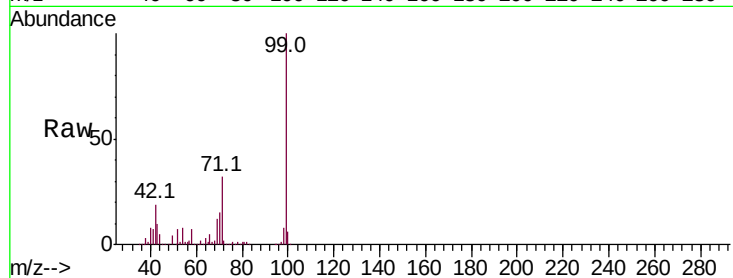
Tot Ion: 99 Resp: 1117146

Ion Ratio Lower Upper

99 100

42 19.2 16.6 24.8

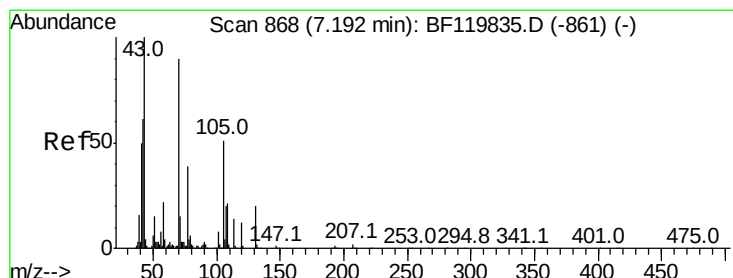
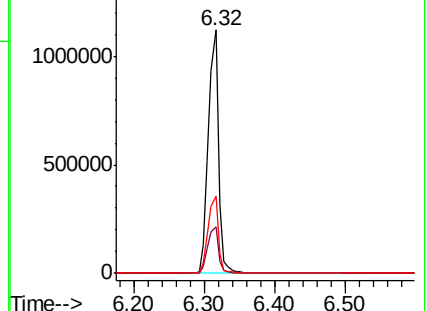
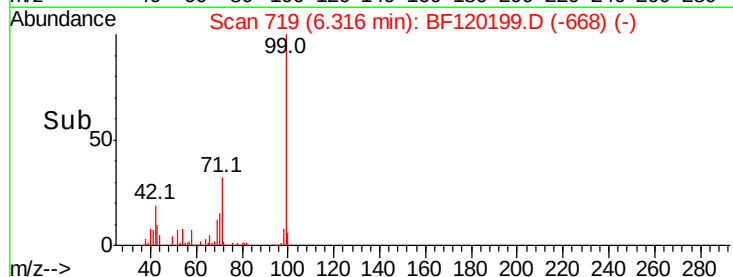
71 31.9 26.4 39.6



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: 10.631 ng

RT: 7.23 min Scan# 875

Delta R.T. 0.14 min

Lab File: BF120199.D

Acq: 24 Apr 2020 13:50

Tgt Ion: 70 Resp: 90510

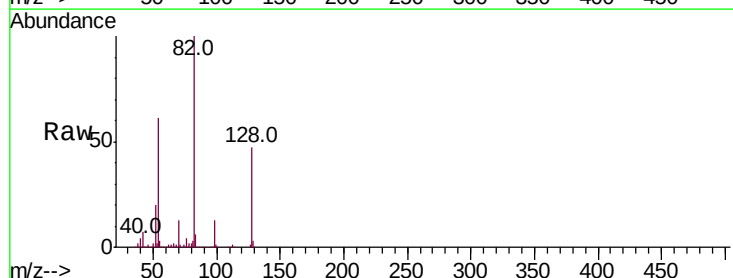
Ion Ratio Lower Upper

70 100

42 53.7 54.5 81.7#

101 0.0 7.6 11.4#

130 2.3 17.6 26.4#

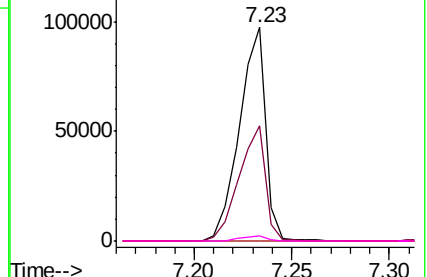
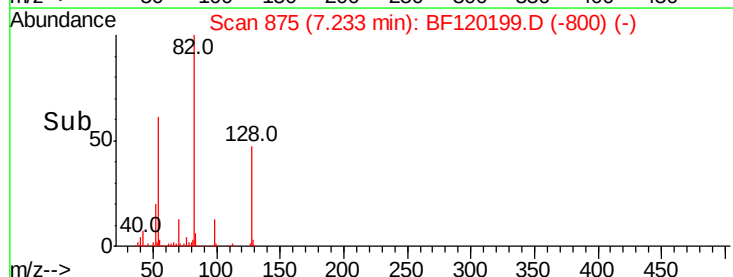


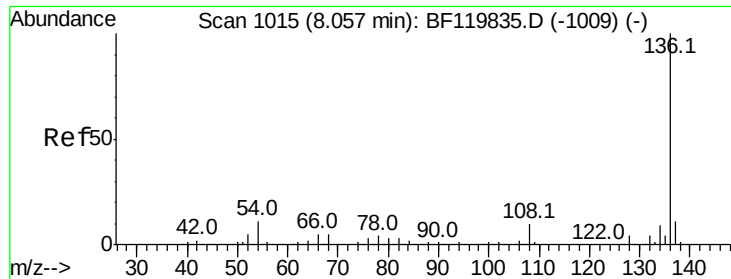
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

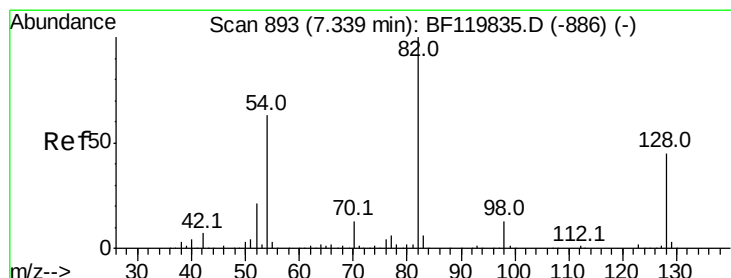
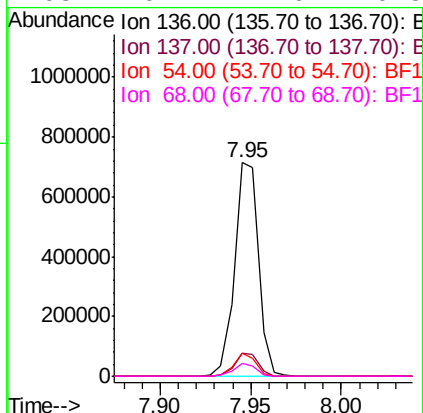
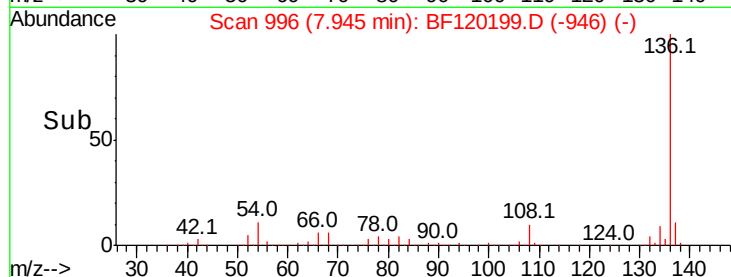
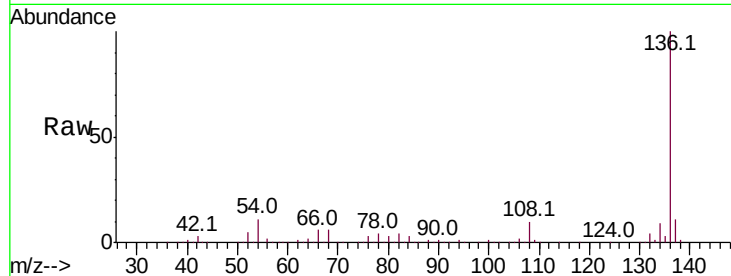




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF120199.D
Acq: 24 Apr 2020 13:50

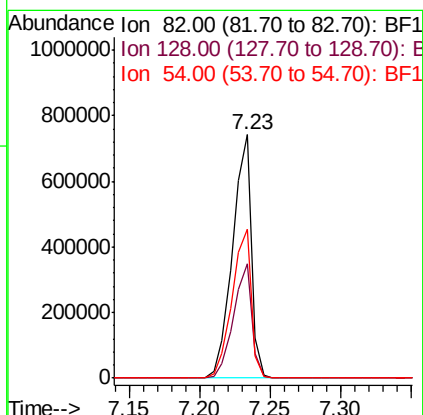
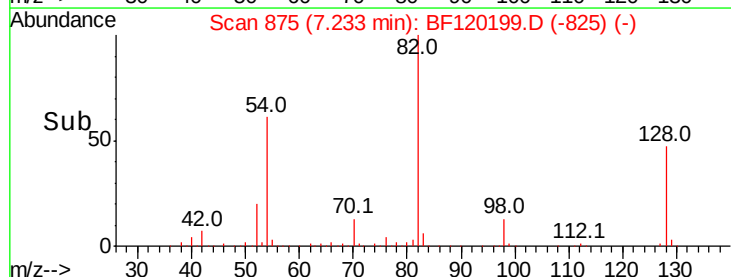
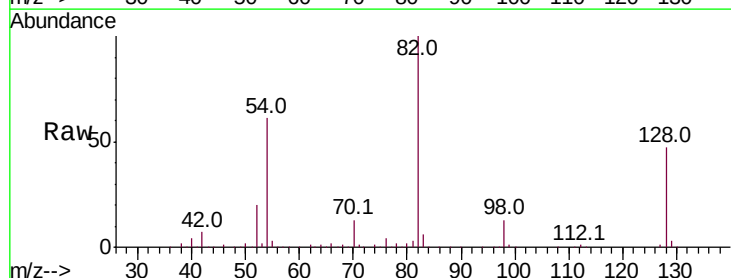
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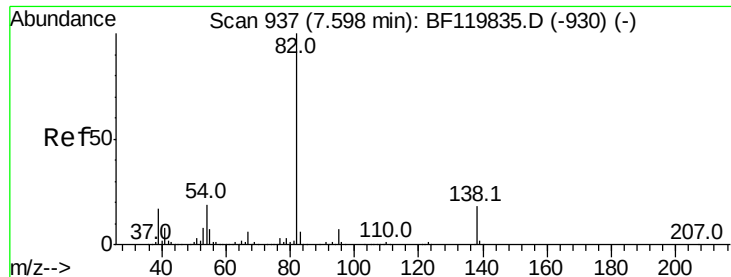
Tot Ion:136	Resp:	656148
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.7 13.1
54	10.9	9.1 13.7
68	6.1	4.6 6.8



#23
Nitrobenzene-d5
Concen: 54.336 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.01 min
Lab File: BF120199.D
Acq: 24 Apr 2020 13:50

Tgt Ion: 82	Resp:	689161
Ion	Ratio	Lower Upper
82	100	
128	47.2	36.3 54.5
54	61.3	50.6 75.8





#25

Isophorone

Concen: 28.076 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.26 min

Lab File: BF120199.D

Acq: 24 Apr 2020 13:50

Instrument :

BNA_F

ClientSampled :

TP-21A

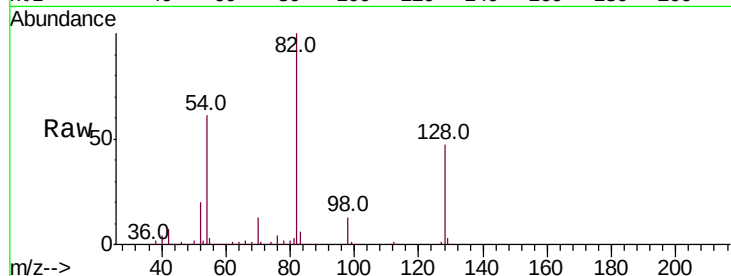
Tot Ion: 82 Resp: 686456

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

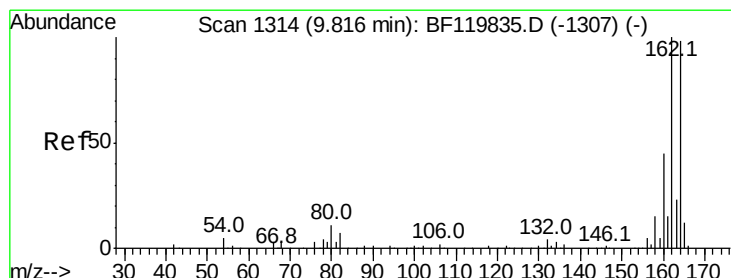
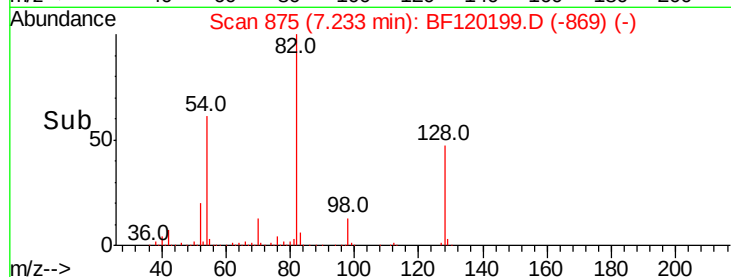
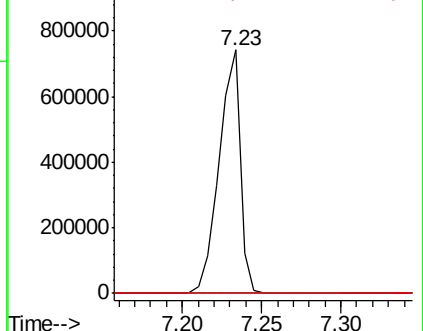
138 0.0 14.6 21.8#



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# 1295

Delta R.T. 0.00 min

Lab File: BF120199.D

Acq: 24 Apr 2020 13:50

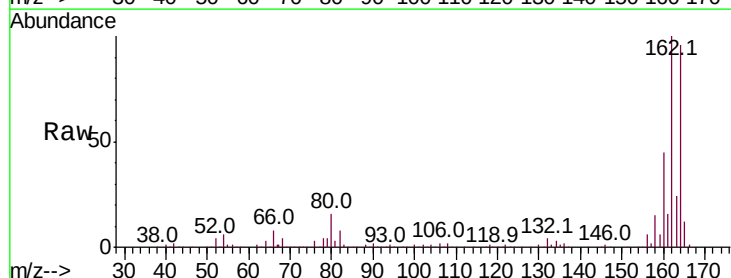
Tgt Ion:164 Resp: 311306

Ion Ratio Lower Upper

164 100

162 103.8 80.6 121.0

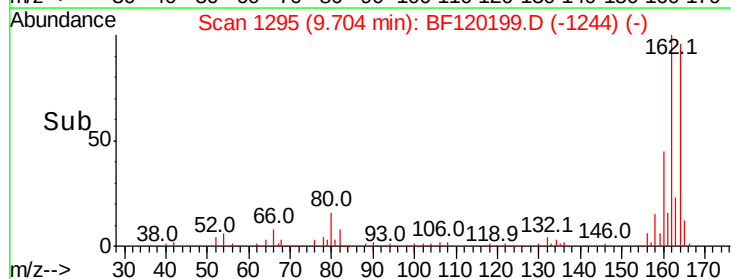
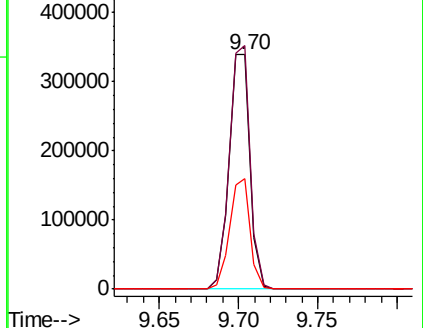
160 47.2 35.7 53.5

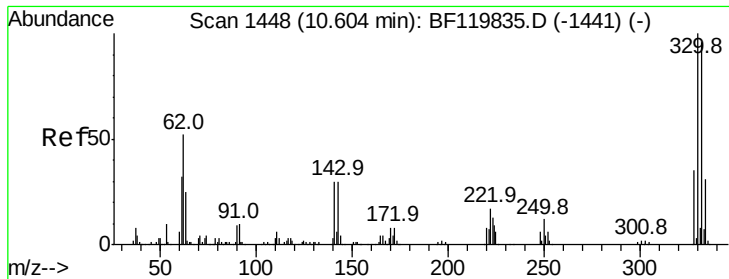


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

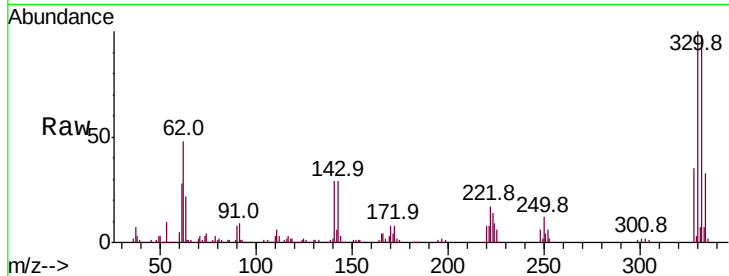




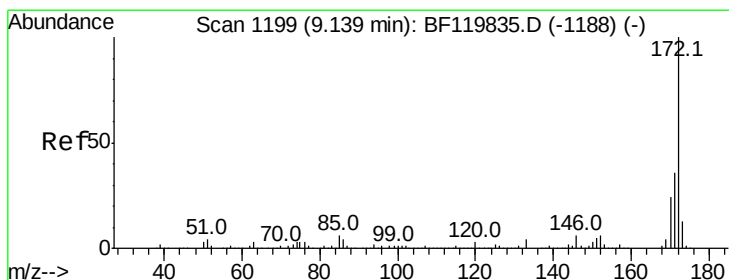
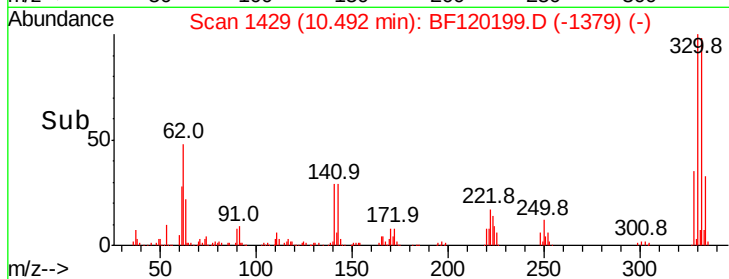
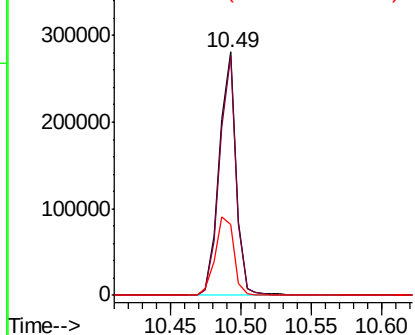
#42
 2,4,6-Tribromophenol
 Concen: 61.563 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BF120199.D
 Acq: 24 Apr 2020 13:50

Instrument :
 BNA_F
 ClientSampleId :
 TP-21A

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	75.7	113.5
141	35.9	25.4	38.0

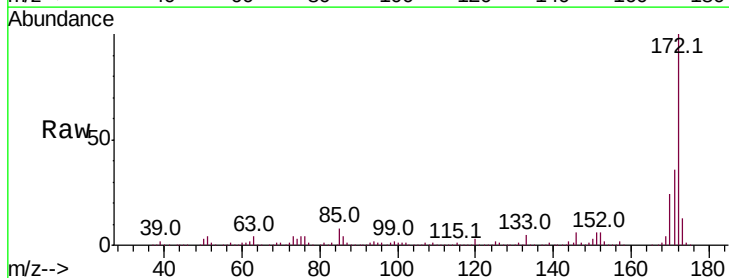


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

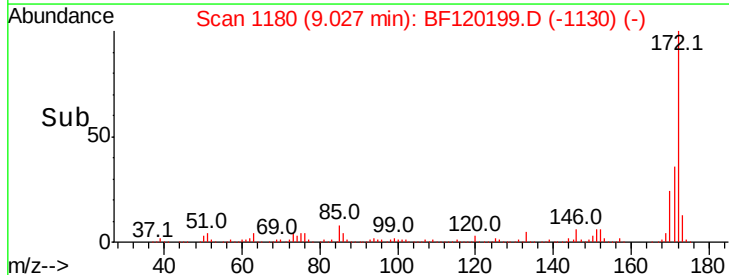
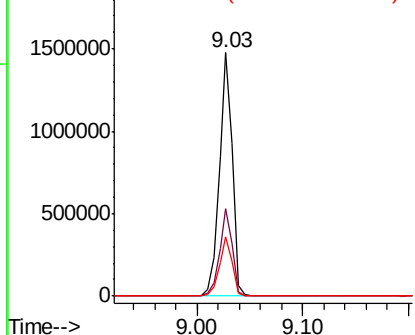


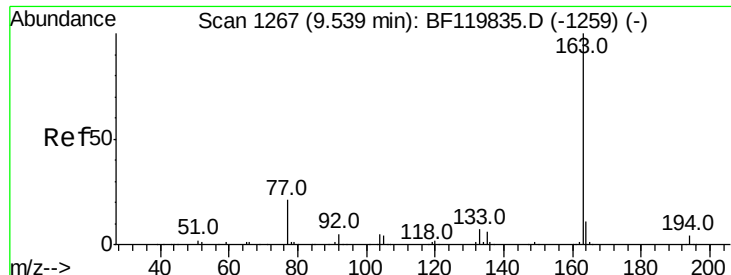
#45
 2-Fluorobiphenyl
 Concen: 58.194 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF120199.D
 Acq: 24 Apr 2020 13:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	24.2	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

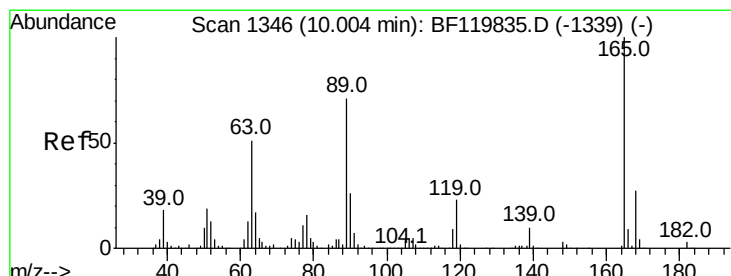
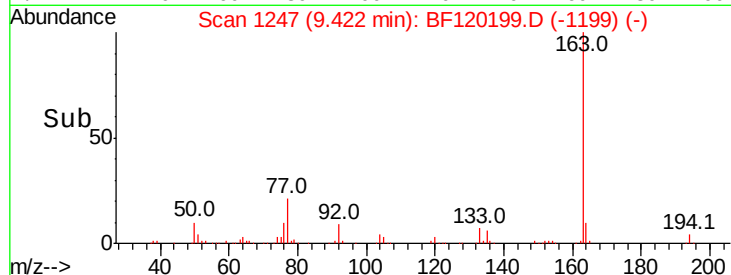
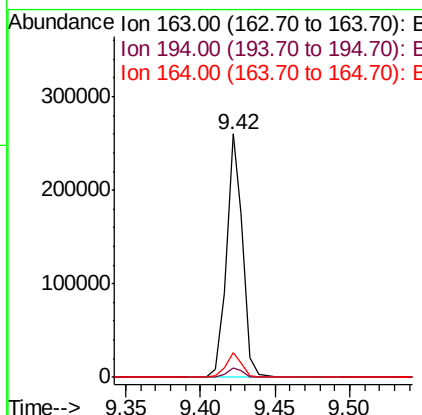
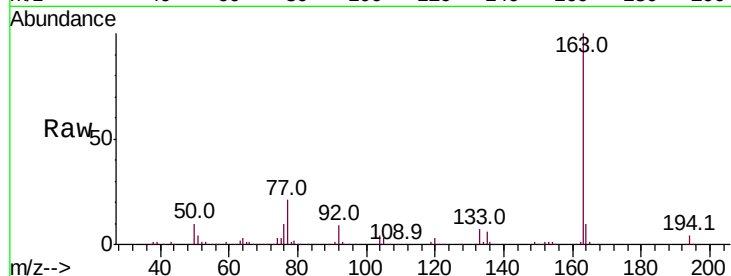




#50
Dimethylphthalate
Concen: 8.281 ng
RT: 9.42 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BF120199.D
Acq: 24 Apr 2020 13:50

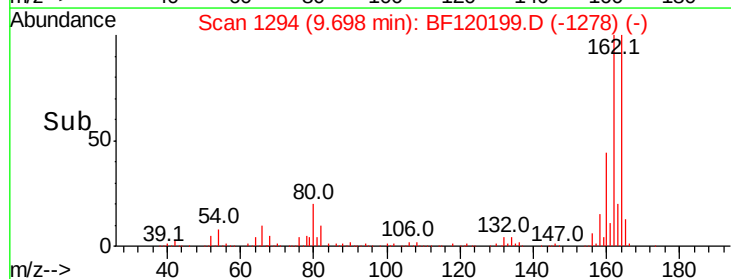
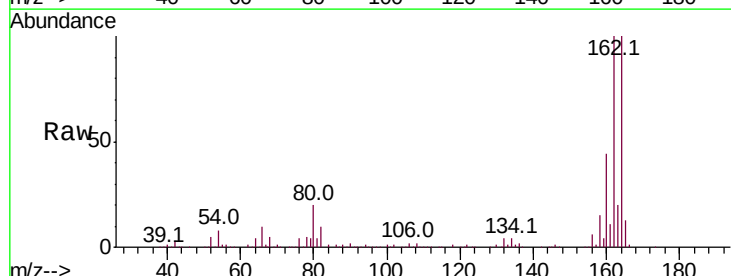
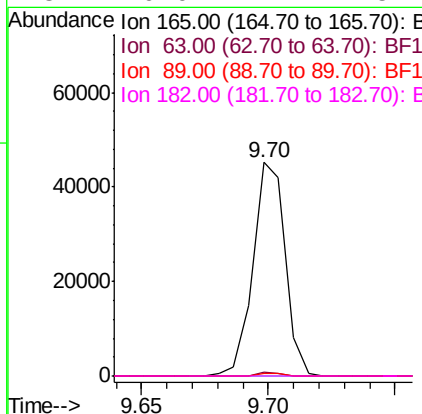
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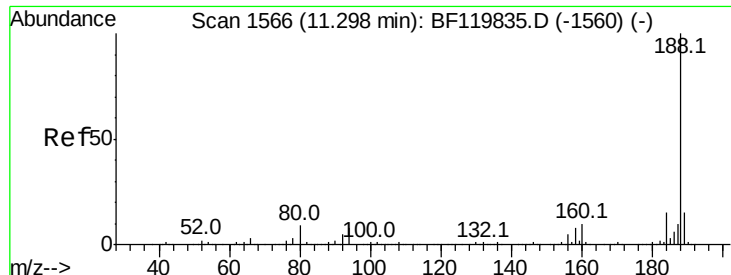
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.1	4.7
164	10.2	8.2	12.2



#57
2,4-Dinitrotoluene
Concen: 5.768 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.21 min
Lab File: BF120199.D
Acq: 24 Apr 2020 13:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	42.6	64.0#
89	1.3	61.0	91.4#
182	0.0	2.2	3.2#

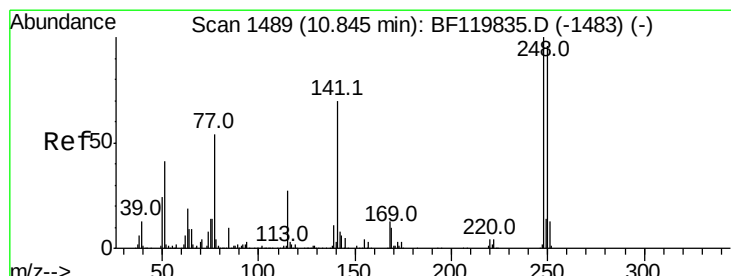
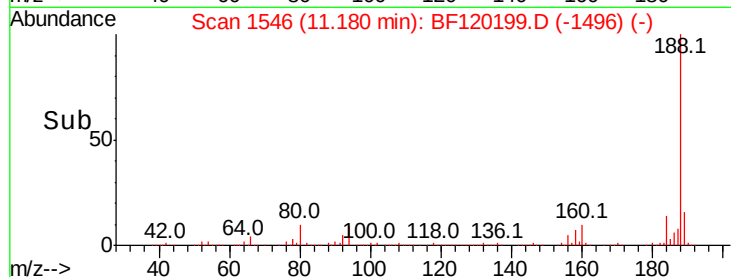
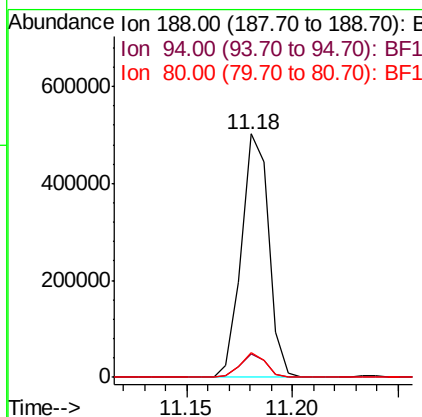
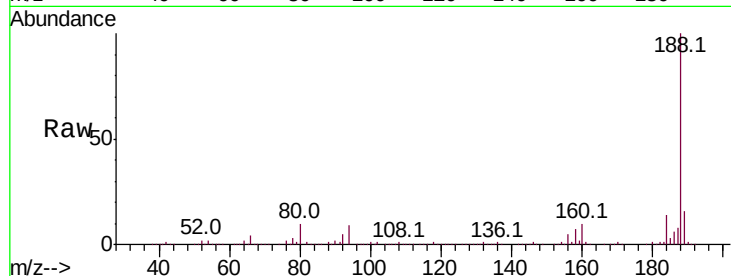




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.18 min Scan# 1546
 Delta R.T. -0.01 min
 Lab File: BF120199.D
 Acq: 24 Apr 2020 13:50

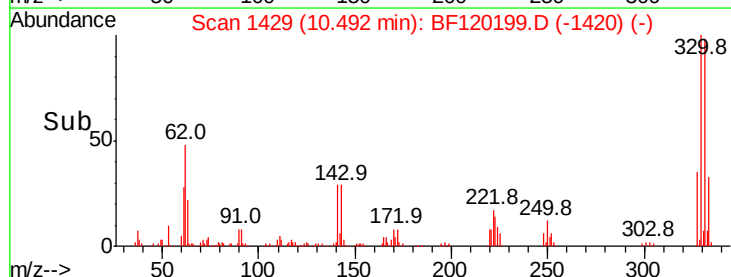
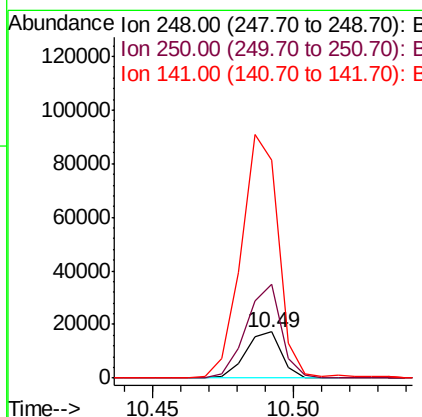
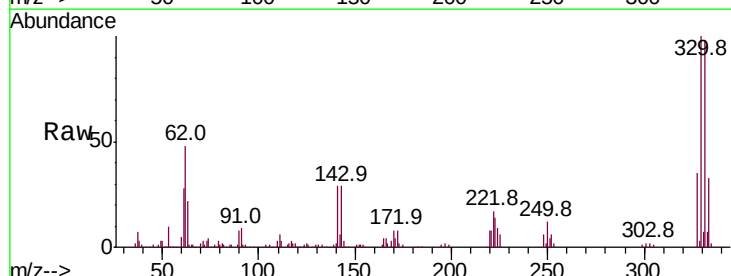
Instrument :
 BNA_F
 ClientSampleId :
 TP-21A

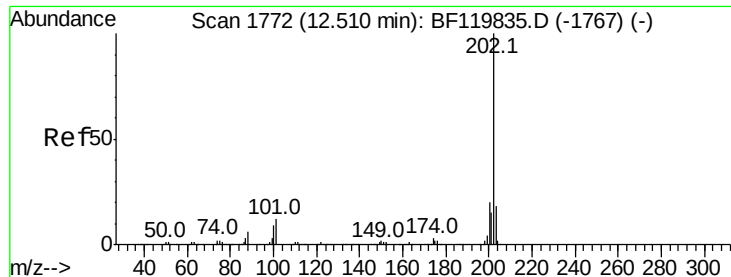
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.5	11.3
80	10.3	9.0	13.4



#67
 4-Bromophenyl-phenylether
 Concen: 2.725 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.25 min
 Lab File: BF120199.D
 Acq: 24 Apr 2020 13:50

Tgt Ion	Ratio	Lower	Upper
248	100		
250	203.1	77.3	115.9#
141	472.0	58.6	87.8#





#75

Fluoranthene

Concen: 2.545 ng

RT: 12.39 min Scan# 1752

Delta R.T. -0.01 min

Lab File: BF120199.D

Acq: 24 Apr 2020 13:50

Instrument :

BNA_F

ClientSampleId :

TP-21A

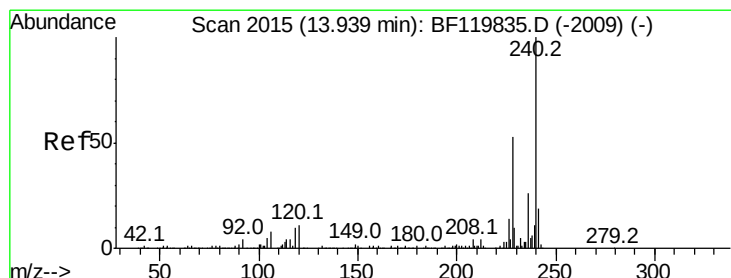
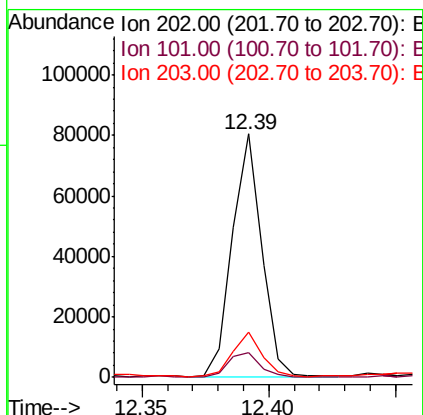
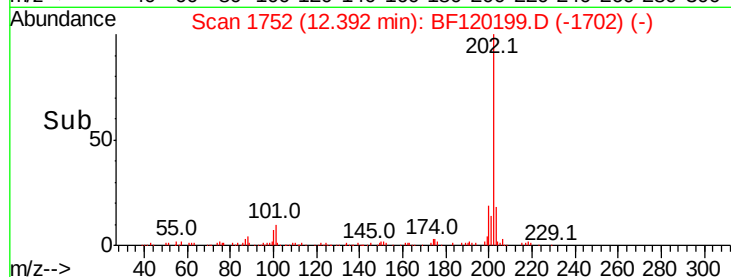
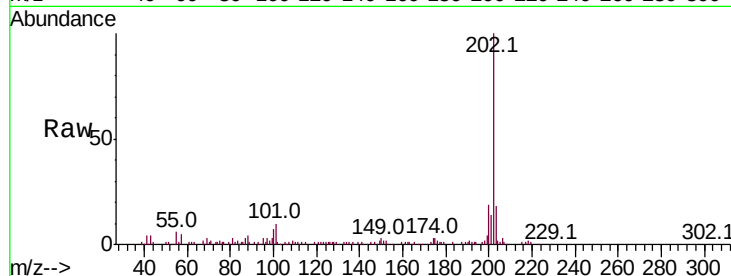
Tot Ion:202 Resp: 65542

Ion Ratio Lower Upper

202 100

101 10.0 0.0 32.2

203 18.5 0.0 38.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BF120199.D

Acq: 24 Apr 2020 13:50

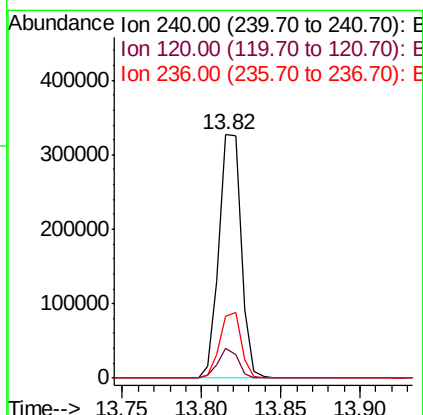
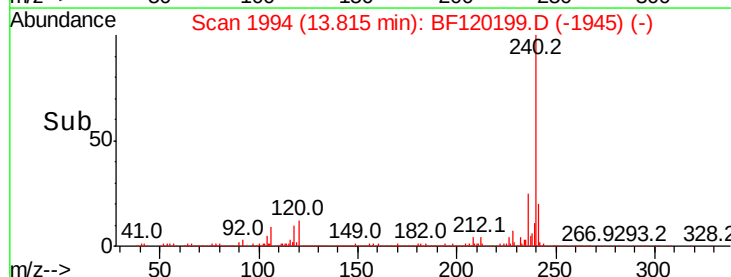
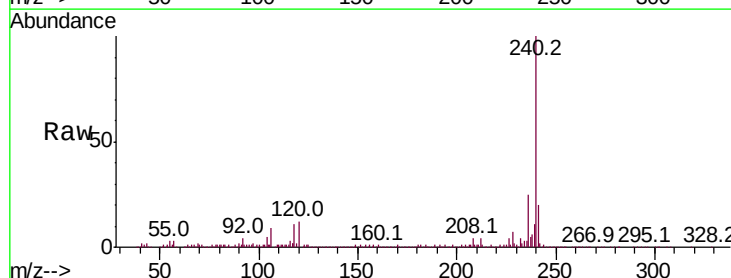
Tgt Ion:240 Resp: 321173

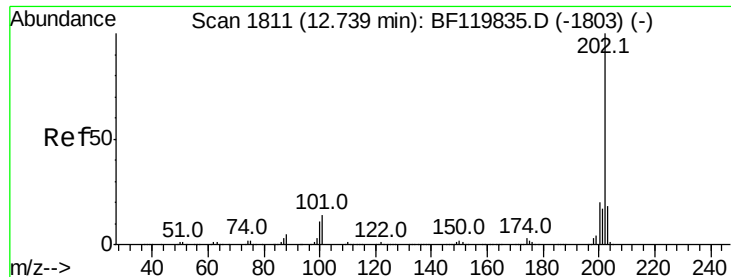
Ion Ratio Lower Upper

240 100

120 12.2 10.6 15.8

236 25.5 20.2 30.2





#78

Pvrene

Concen: 3.040 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF120199.D

Acq: 24 Apr 2020 13:50

Instrument :

BNA_F

ClientSampleId :

TP-21A

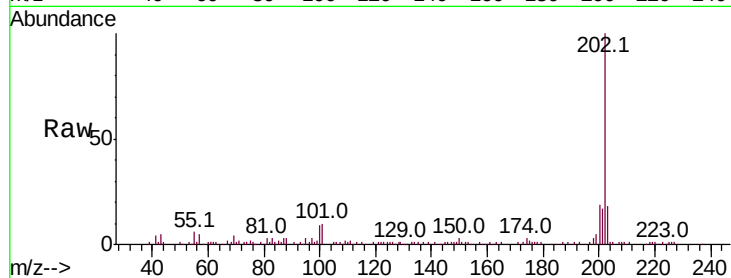
Tot Ion:202 Resp: 82310

Ion Ratio Lower Upper

202 100

200 18.8 16.8 25.2

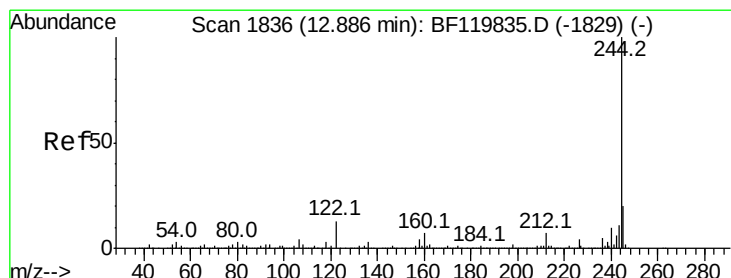
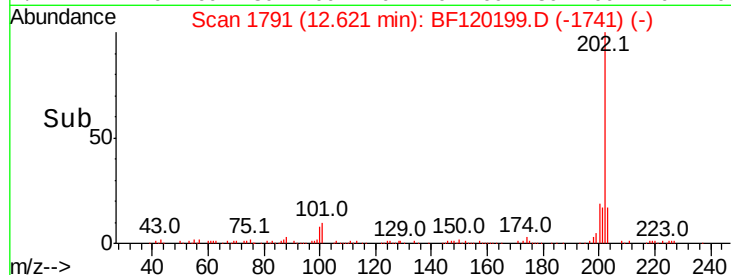
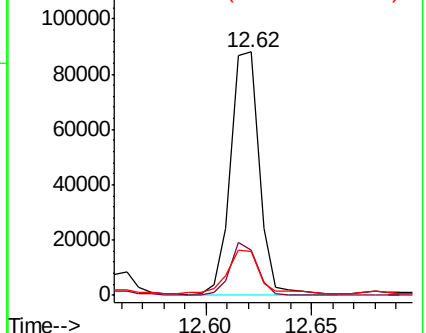
203 18.1 15.1 22.7



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: 53.682 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120199.D

Acq: 24 Apr 2020 13:50

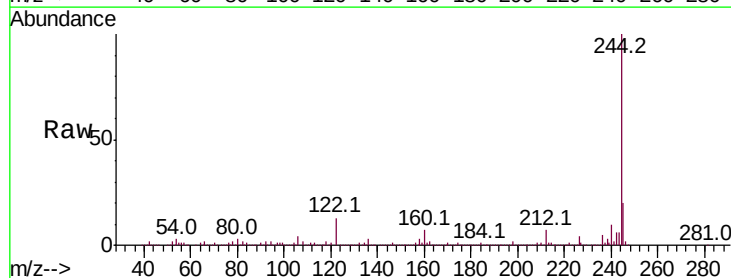
Tgt Ion:244 Resp: 1024643

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

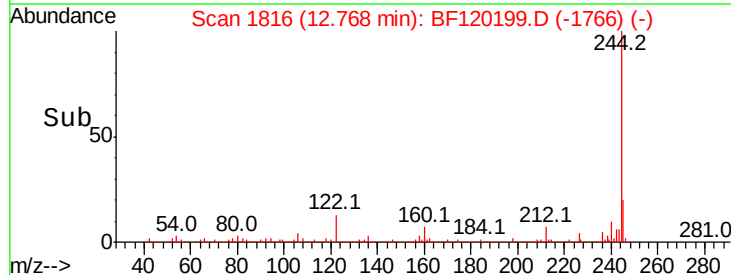
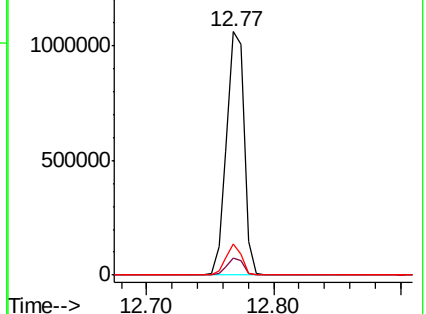
122 12.8 10.3 15.5

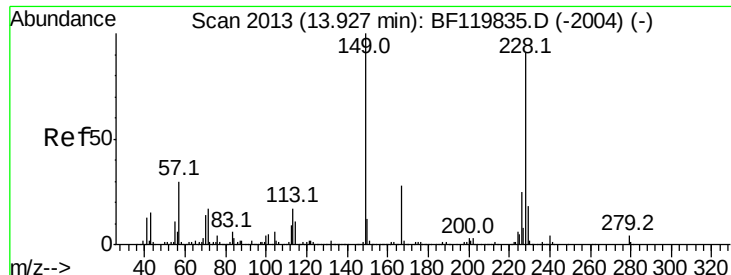


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

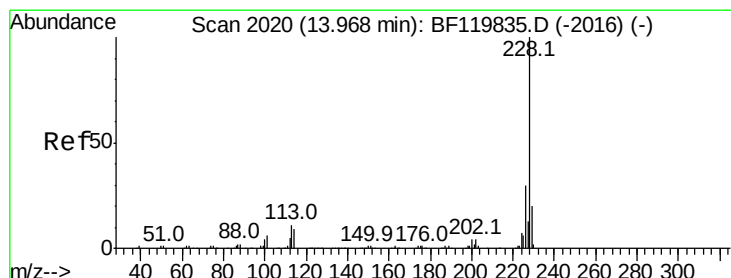
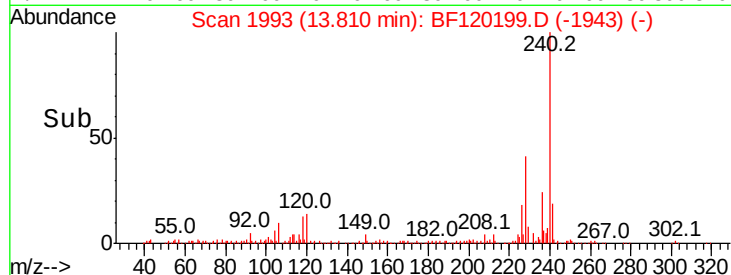
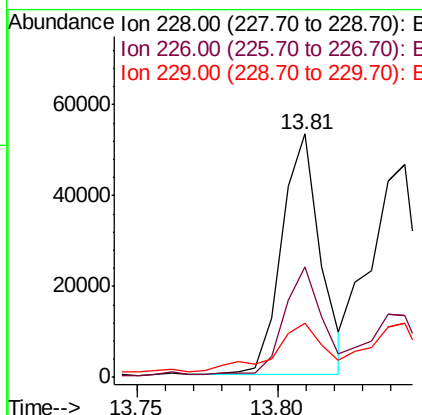
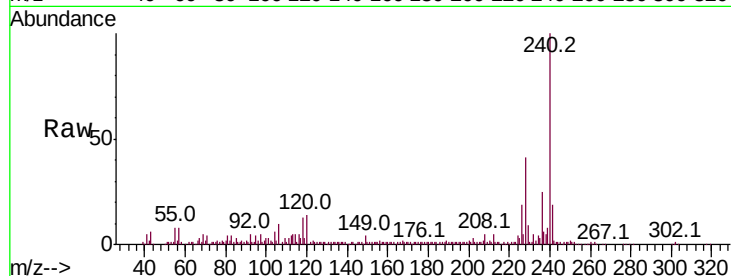




#81
Benzo(a)anthracene
Concen: 2.386 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BF120199.D
Acq: 24 Apr 2020 13:50

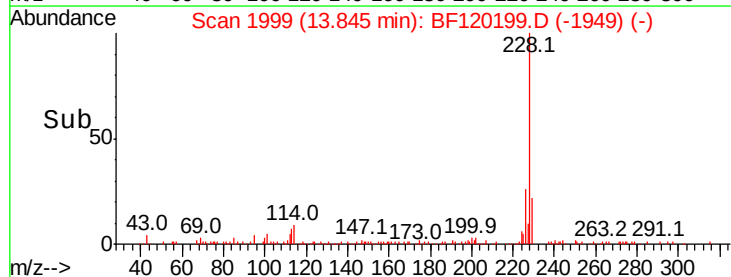
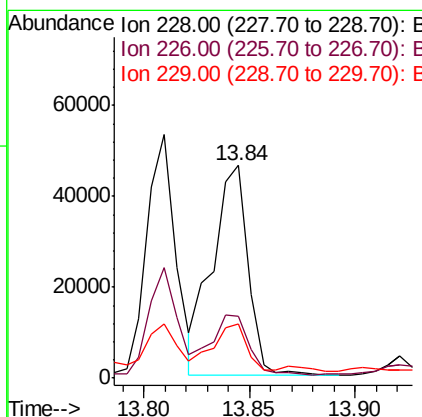
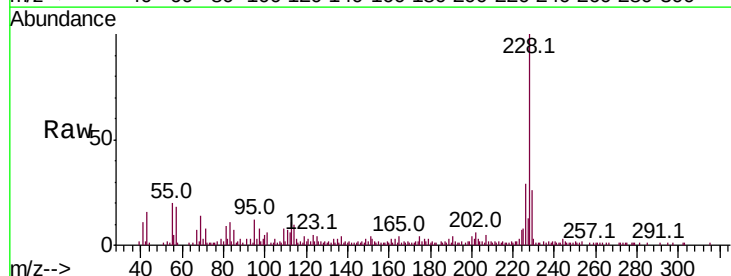
Instrument :
BNA_F
ClientSampleId :
TP-21A

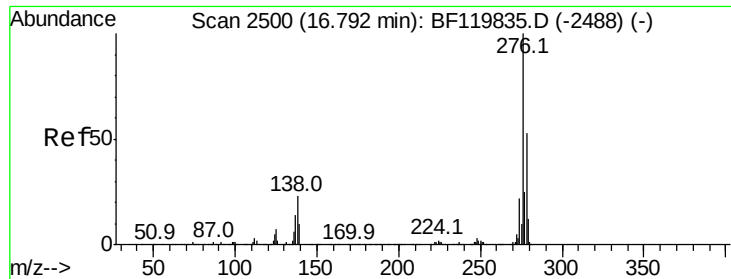
Tot Ion:228 Resp: 50408
Ion Ratio Lower Upper
228 100
226 45.6 21.8 32.8#
229 22.4 16.2 24.4



#83
Chrysene
Concen: 2.523 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BF120199.D
Acq: 24 Apr 2020 13:50

Tgt Ion:228 Resp: 54172
Ion Ratio Lower Upper
228 100
226 28.8 25.4 38.0
229 25.5 16.6 24.8#

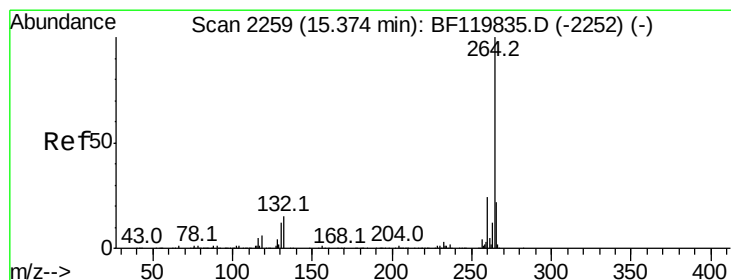
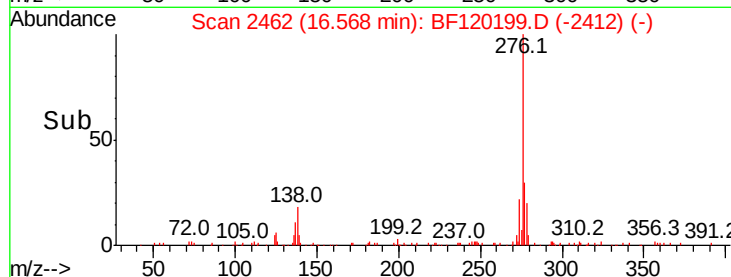
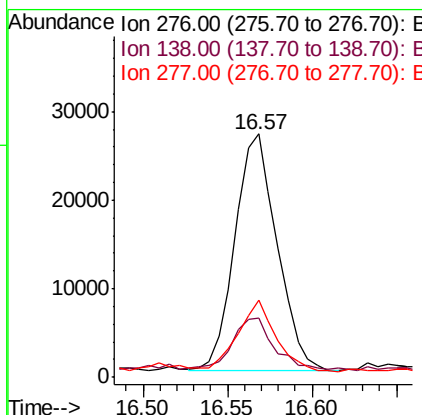
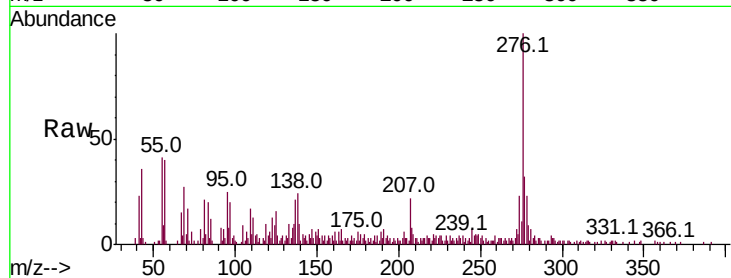




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.453 ng
 RT: 16.57 min Scan# 2462
 Delta R.T. -0.01 min
 Lab File: BF120199.D
 Acq: 24 Apr 2020 13:50

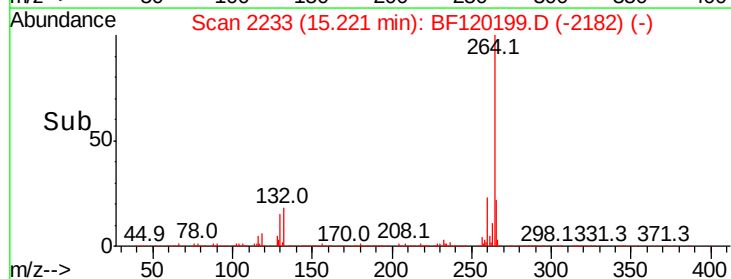
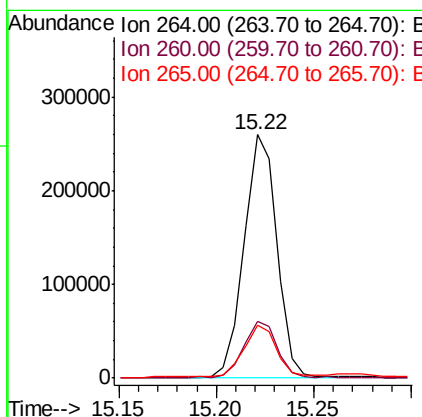
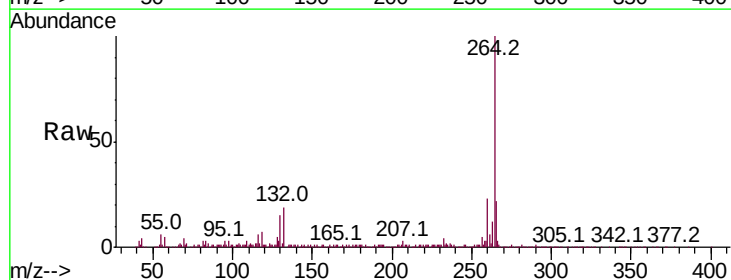
Instrument :
 BNA_F
 ClientSampleId :
 TP-21A

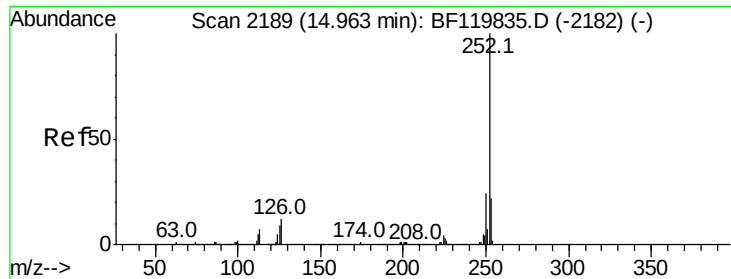
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.2	19.6	29.4
277	27.7	20.0	30.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.22 min Scan# 2233
 Delta R.T. 0.00 min
 Lab File: BF120199.D
 Acq: 24 Apr 2020 13:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	21.9	17.7	26.5

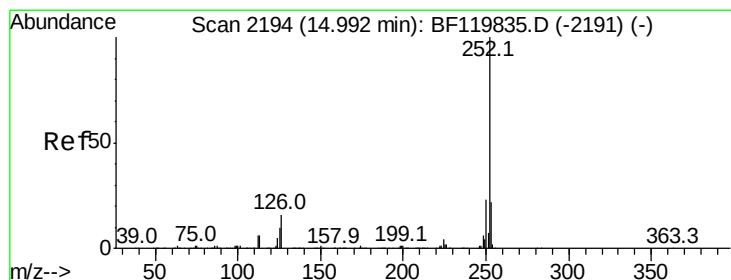
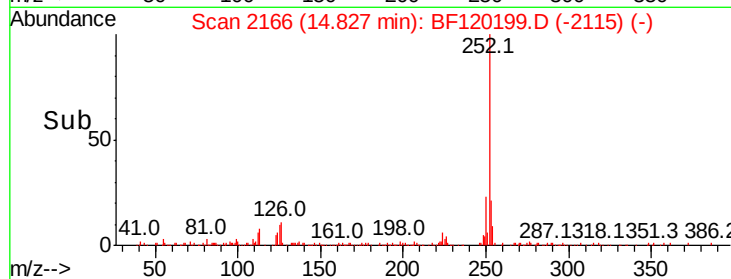
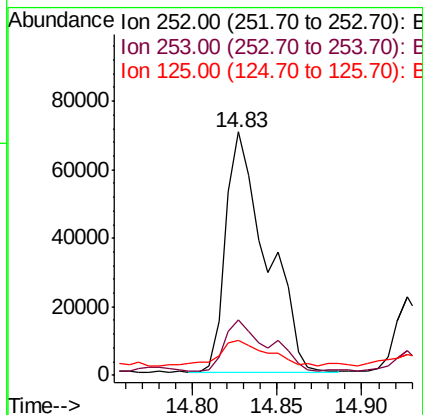
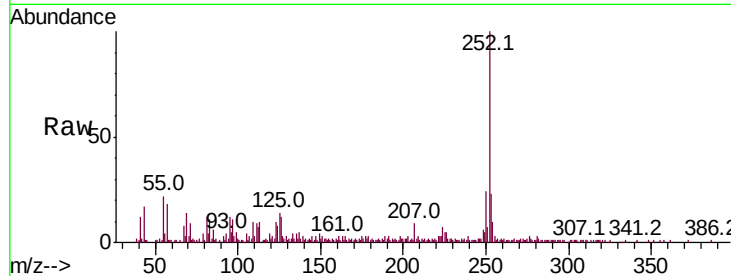




#88
Benzo(b)fluoranthene
Concen: 5.479 ng
RT: 14.83 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BF120199.D
Acq: 24 Apr 2020 13:50

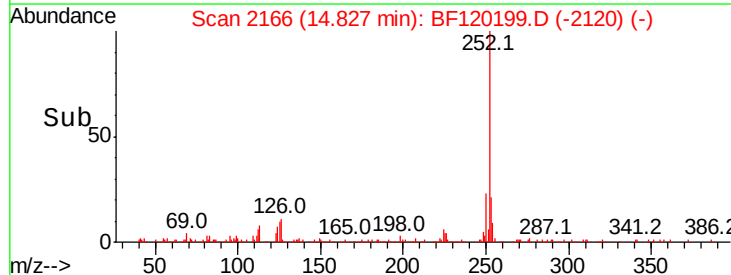
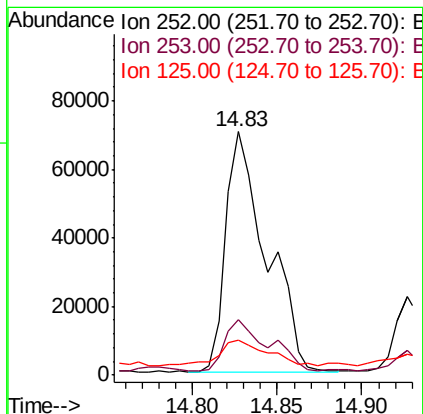
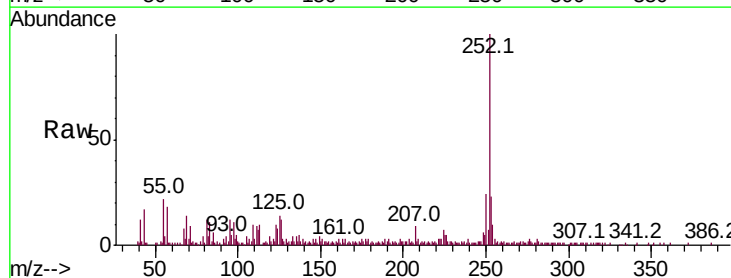
Instrument :
BNA_F
ClientSampleId :
TP-21A

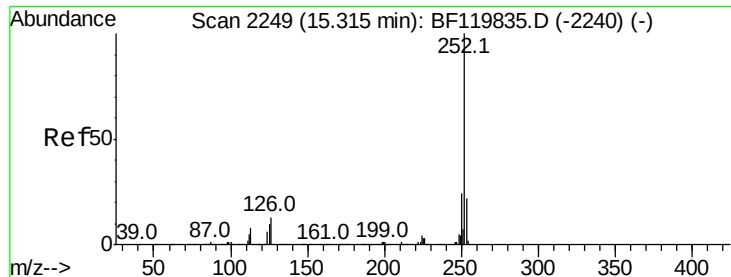
Tot Ion:252 Resp: 118624
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 14.1 7.9 11.9#



#89
Benzo(k)fluoranthene
Concen: 6.351 ng
RT: 14.83 min Scan# 2166
Delta R.T. -0.03 min
Lab File: BF120199.D
Acq: 24 Apr 2020 13:50

Tgt Ion:252 Resp: 118624
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 14.1 8.4 12.6#

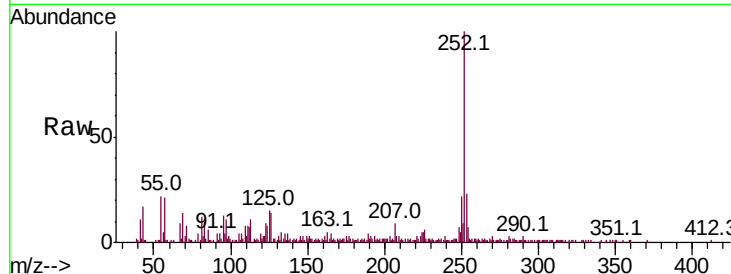




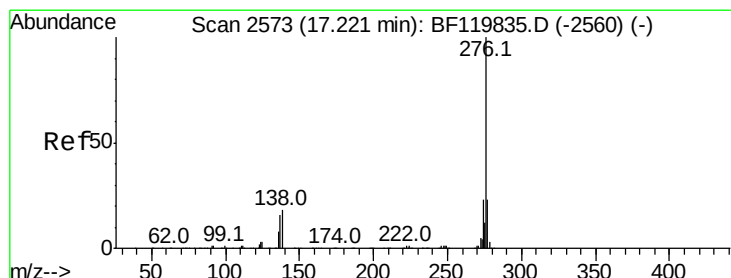
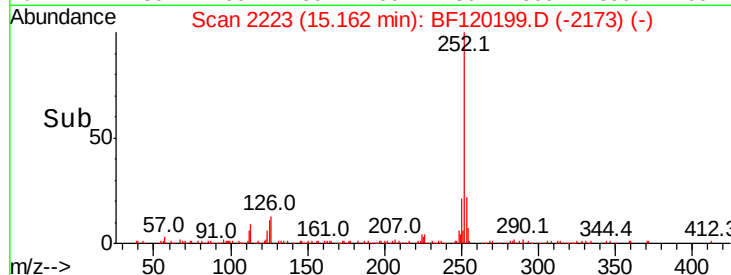
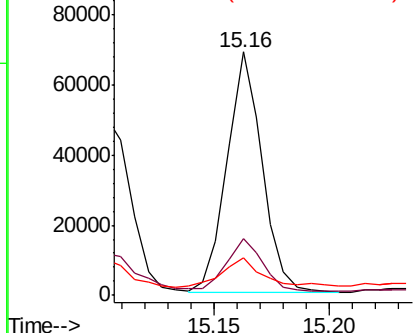
#90
Benzo(a)pyrene
Concen: 4.005 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF120199.D
Acq: 24 Apr 2020 13:50

Instrument :
BNA_F
ClientSampleId :
TP-21A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	15.3	9.4	14.2

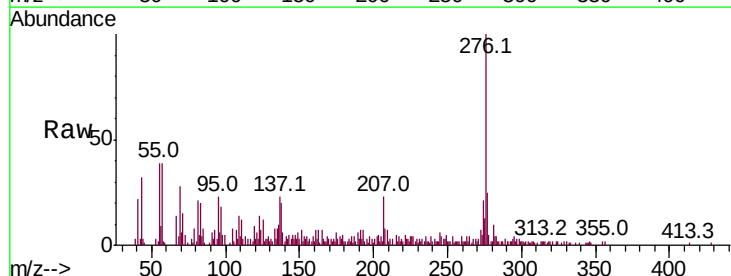


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.952 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.00 min
Lab File: BF120199.D
Acq: 24 Apr 2020 13:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.4	27.6
138	26.6	15.4	23.0



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

