

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF041620\
 Data File : BF120031.D
 Acq On : 16 Apr 2020 13:00
 Operator : MA/SJ
 Sample : L2229-37 5X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-10

Quant Time: Apr 16 13:42:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 16 10:48:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	143623	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	534346	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	257476	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	405051	20.00	ng	0.00
76) Chrysene-d12	13.89	240	244832	20.00	ng	0.00
87) Perylene-d12	15.32	264	251794	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	177682	21.38	ng	0.00
7) Phenol-d6	6.35	99	234579	21.91	ng	-0.01
23) Nitrobenzene-d5	7.28	82	139465	13.50	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	43694	13.86	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	293253	16.17	ng	0.00
79) Terphenyl-d14	12.84	244	219724	15.10	ng	-0.01

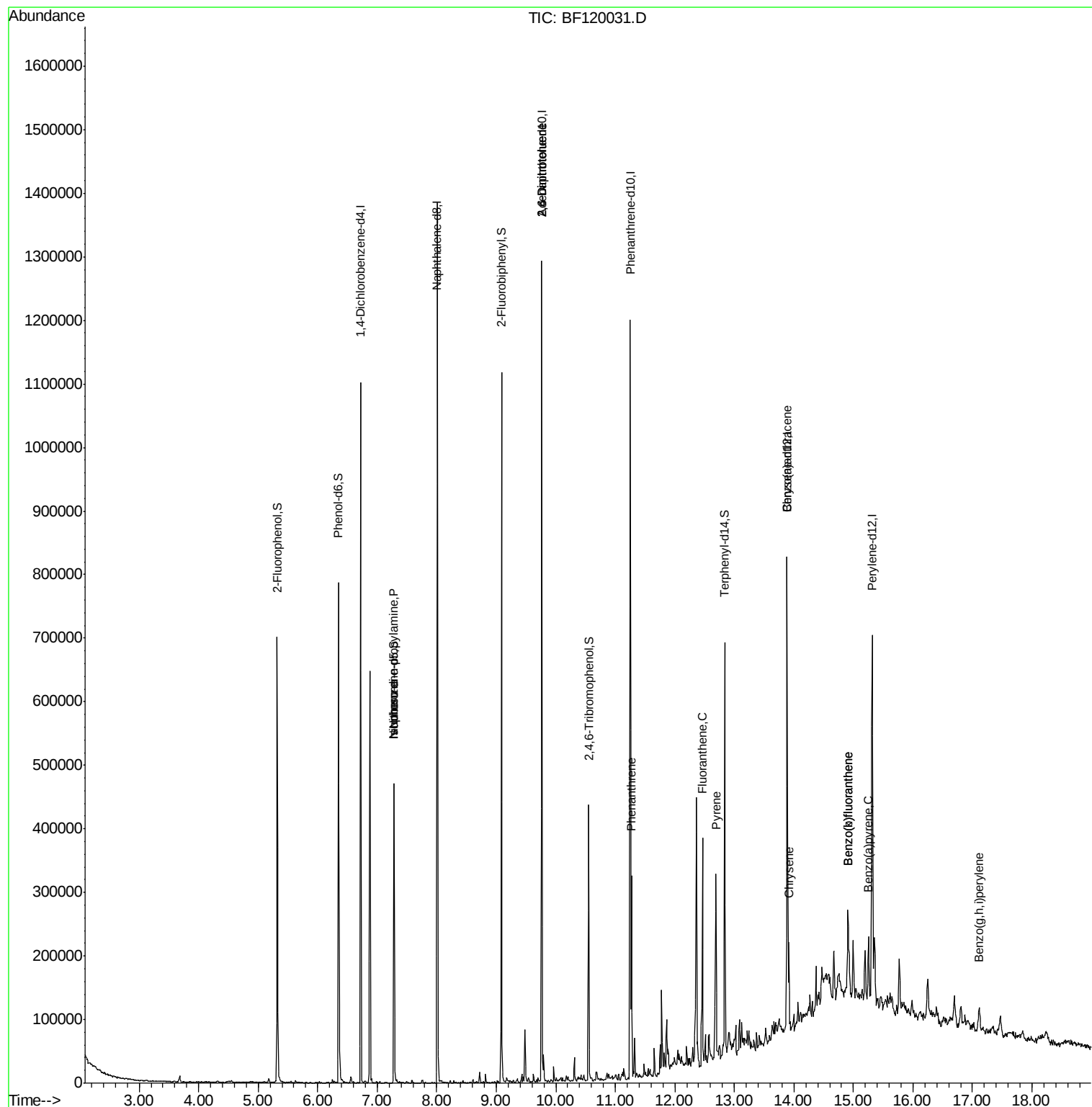
Target Compounds				Qvalue		
9) Benzaldehyde	6.28	77	239	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.28	70	17926	2.603 ng	#	84
25) Isophorone	7.28	82	137892	6.925 ng	#	65
51) 2,6-Dinitrotoluene	9.76	165	32314	7.410 ng	#	19
57) 2,4-Dinitrotoluene	9.76	165	32314	5.624 ng	#	23
71) Phenanthrene	11.27	178	107184	4.972 ng		99
75) Fluoranthene	12.46	202	131737	5.664 ng		97
78) Pyrene	12.69	202	118476	5.740 ng		99
81) Benzo(a)anthracene	13.88	228	57451	3.567 ng		96
83) Chrysene	13.92	228	50978	3.115 ng		98
88) Benzo(b)fluoranthene	14.91	252	87928	4.854 ng	#	97
89) Benzo(k)fluoranthene	14.91	252	87928	5.626 ng		97
90) Benzo(a)pyrene	15.26	252	50334	3.305 ng		98
92) Benzo(a,h,i)perylene	17.11	276	27381	2.056 ng		95

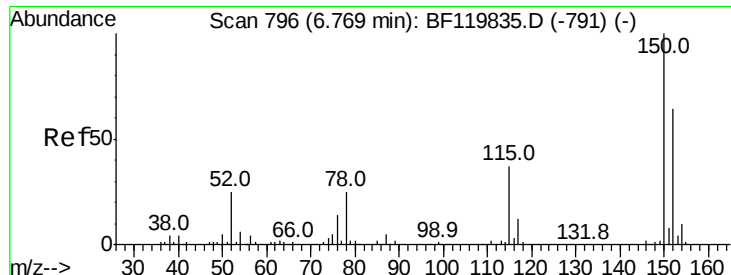
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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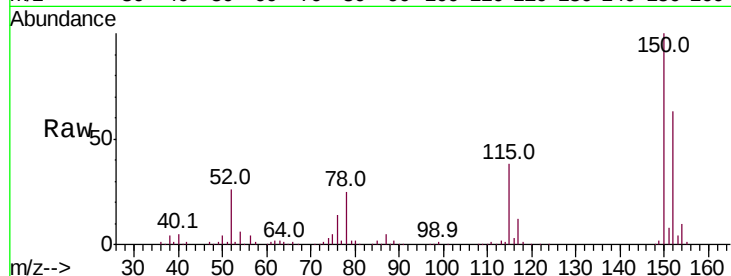


#1

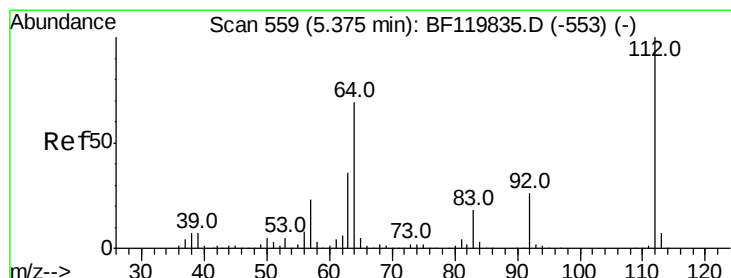
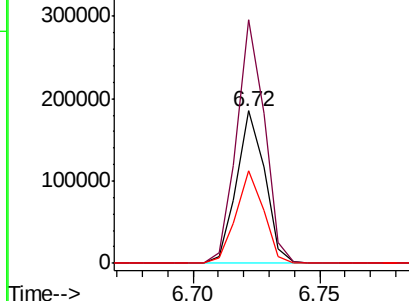
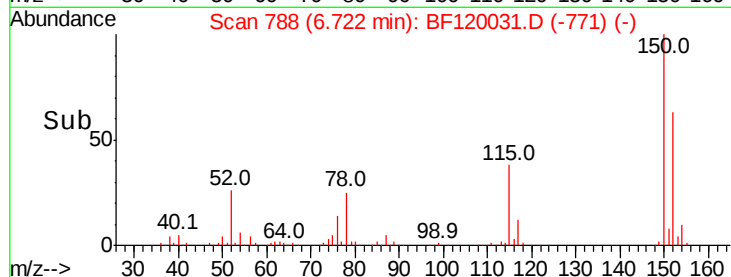
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF120031.D
Acq: 16 Apr 2020 13:00

Instrument :
BNA_F
ClientSampleId :
TP-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	124.8	187.2
115	60.4	46.5	69.7



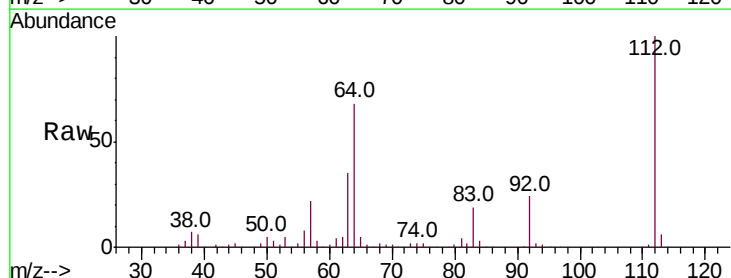
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



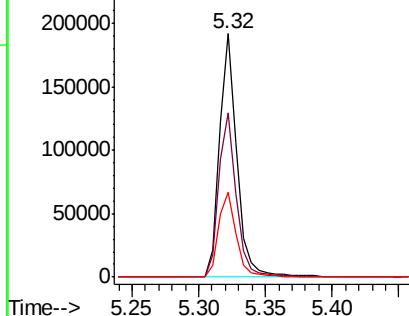
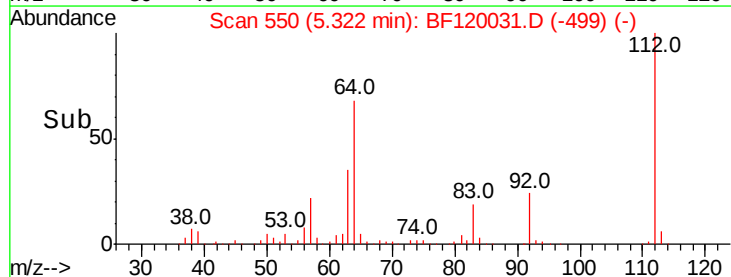
#5

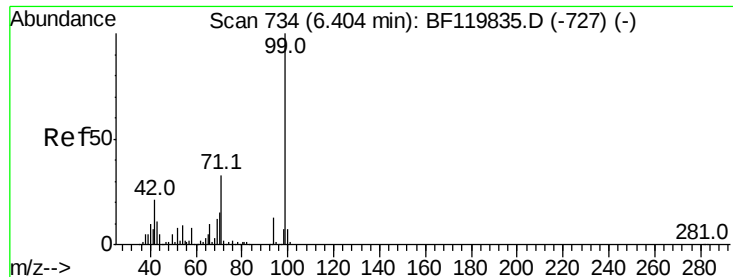
2-Fluorophenol
Concen: 21.380 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF120031.D
Acq: 16 Apr 2020 13:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.6	55.5	83.3
63	35.1	29.1	43.7



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: 21.906 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF120031.D

Acq: 16 Apr 2020 13:00

Instrument :

BNA_F

ClientSampleId :

TP-10

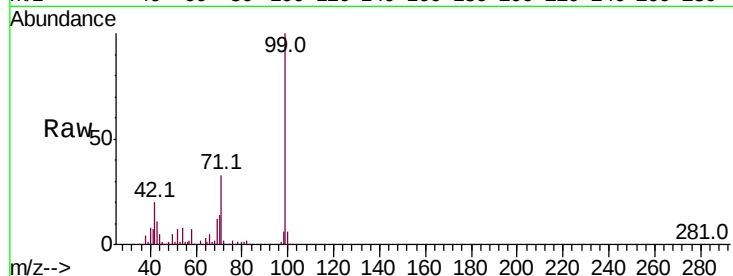
Tot Ion: 99 Resp: 234579

Ion Ratio Lower Upper

99 100

42 20.2 16.9 25.3

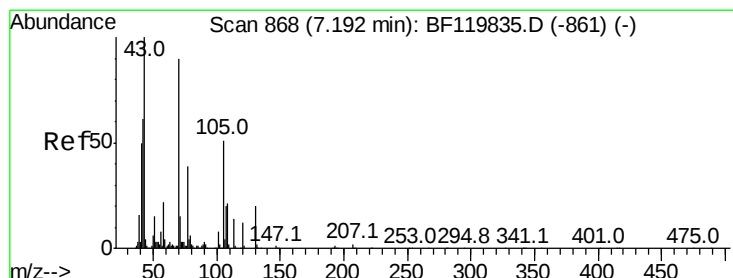
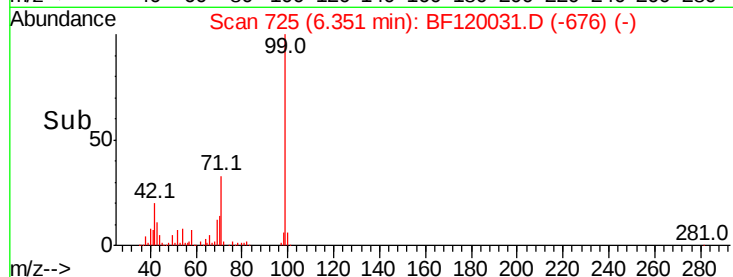
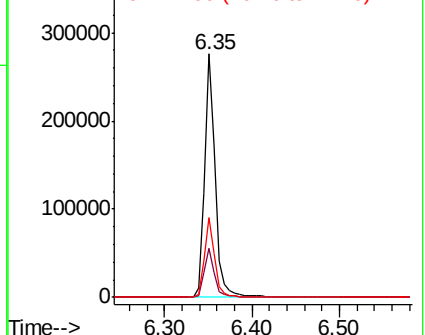
71 33.0 26.3 39.5



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: 2.603 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.13 min

Lab File: BF120031.D

Acq: 16 Apr 2020 13:00

Tgt Ion: 70 Resp: 17926

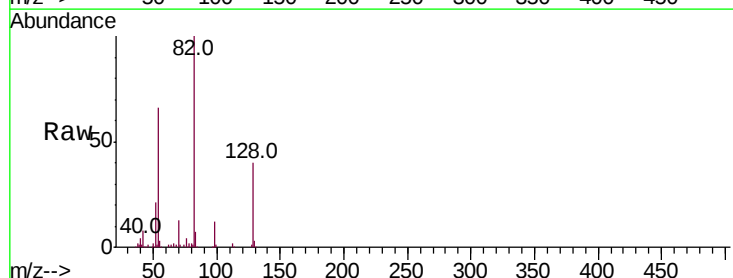
Ion Ratio Lower Upper

70 100

42 62.0 54.2 81.4

101 0.0 7.4 11.2#

130 3.0 17.8 26.6#

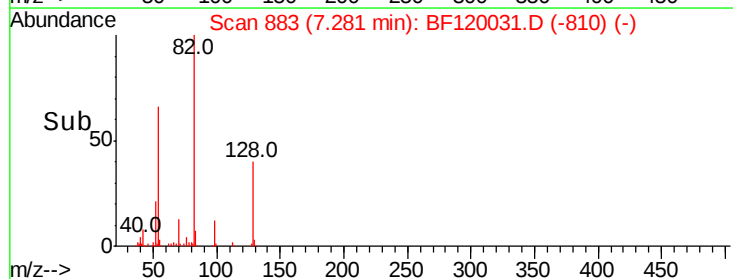
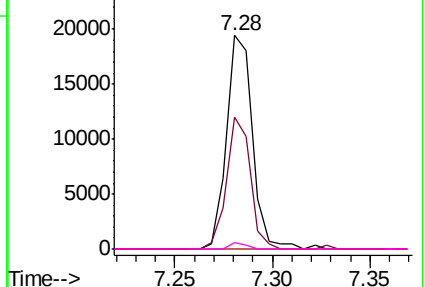


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

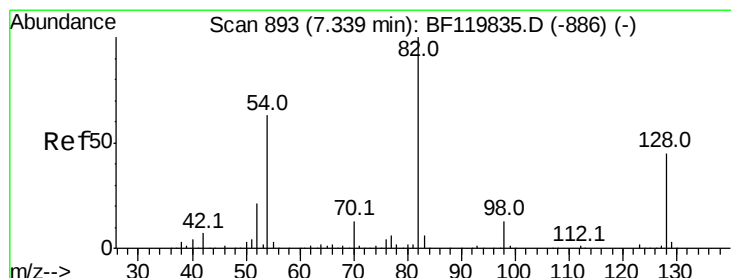
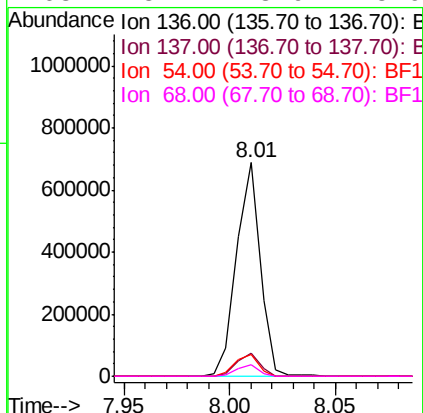
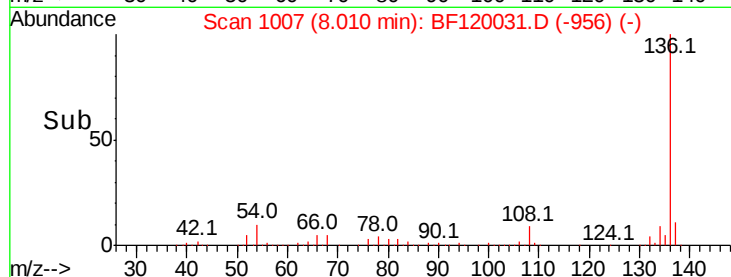
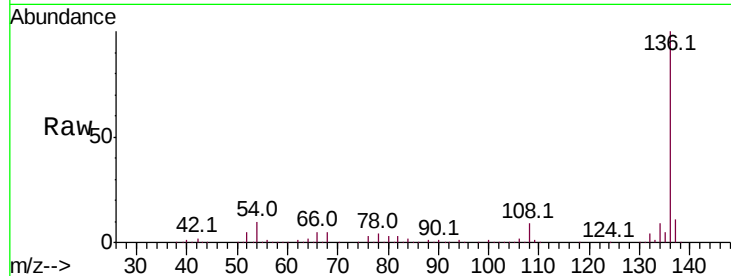




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BF120031.D
Acq: 16 Apr 2020 13:00

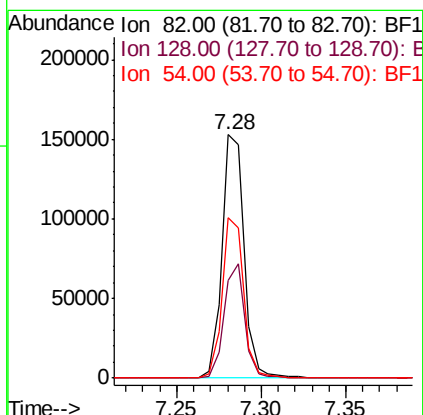
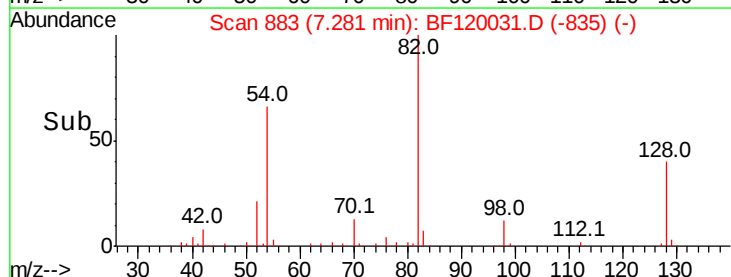
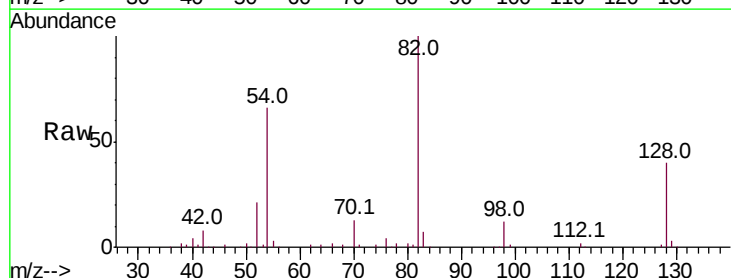
Instrument :
BNA_F
ClientSampleId :
TP-10

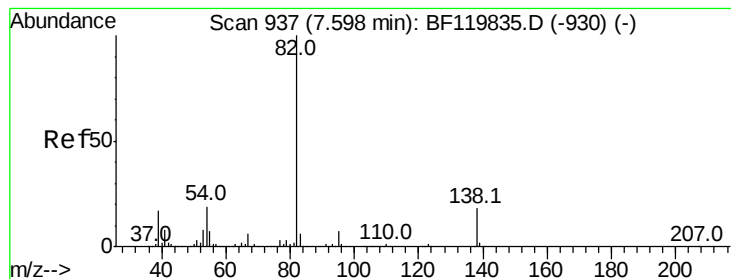
Tot Ion:136	Resp:	534346
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.7 13.1
54	10.1	8.5 12.7
68	5.2	3.9 5.9



#23
Nitrobenzene-d5
Concen: 13.503 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF120031.D
Acq: 16 Apr 2020 13:00

Tgt Ion: 82	Resp:	139465
Ion	Ratio	Lower Upper
82	100	
128	40.1	36.2 54.4
54	65.7	50.4 75.6





#25

Isophorone

Concen: 6.925 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.28 min

Lab File: BF120031.D

Acq: 16 Apr 2020 13:00

Instrument :

BNA_F

ClientSampleId :

TP-10

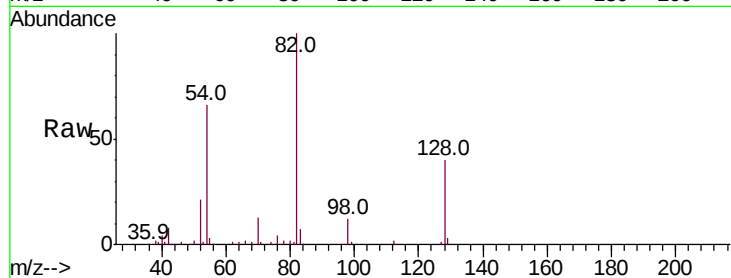
Tot Ion: 82 Resp: 137892

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

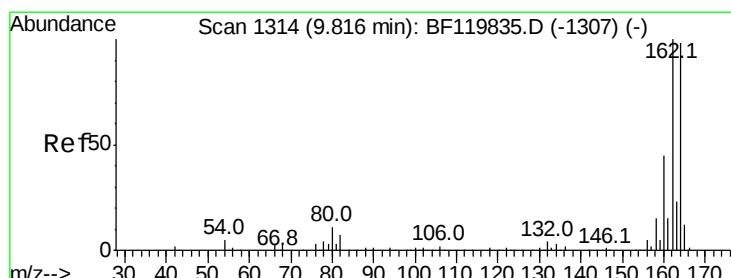
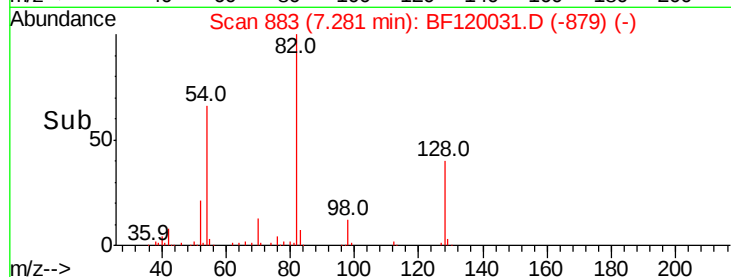
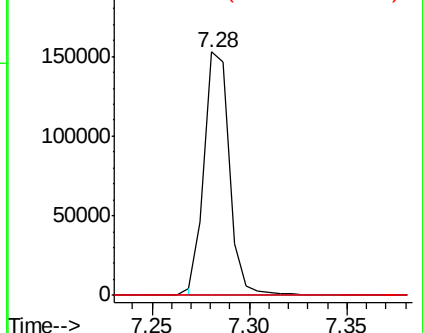
138 0.0 14.5 21.7#



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: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF120031.D

Acq: 16 Apr 2020 13:00

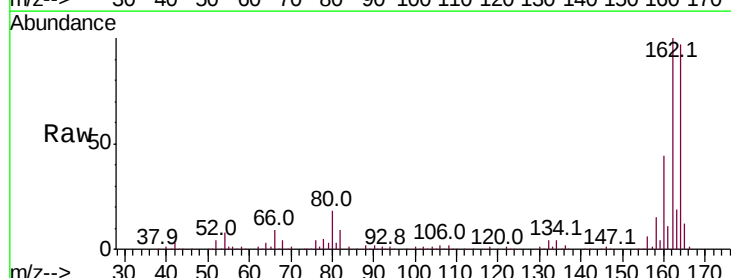
Tgt Ion: 164 Resp: 257476

Ion Ratio Lower Upper

164 100

162 103.4 81.9 122.9

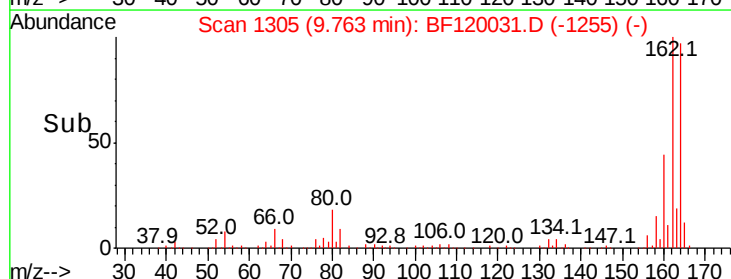
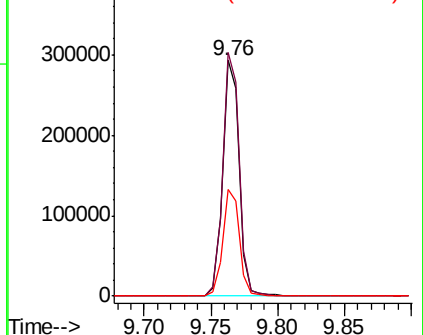
160 45.1 36.6 54.8

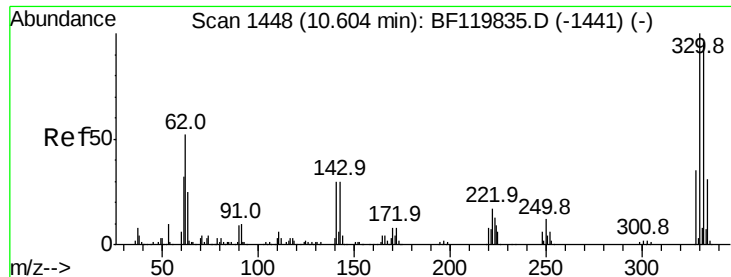


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

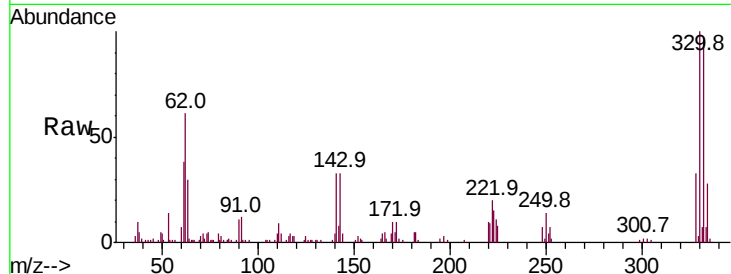




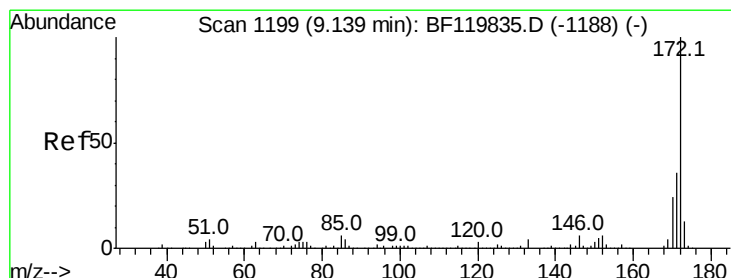
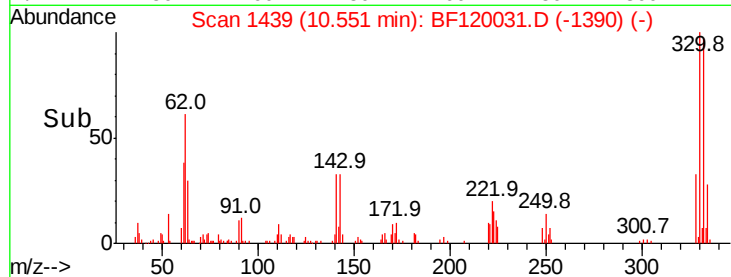
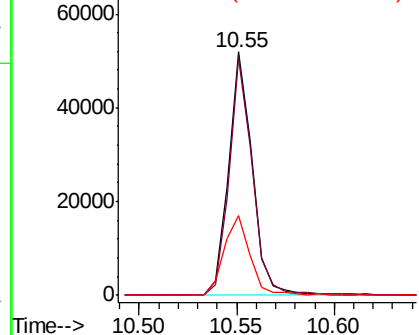
#42
 2,4,6-Tribromophenol
 Concen: 13.861 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF120031.D
 Acq: 16 Apr 2020 13:00

Instrument :
 BNA_F
 ClientSampleId :
 TP-10

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.8	115.2
141	35.9	25.1	37.7

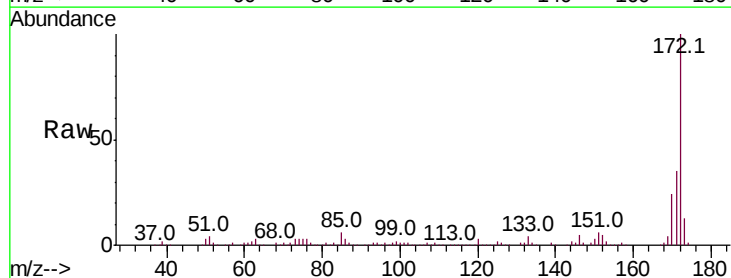


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

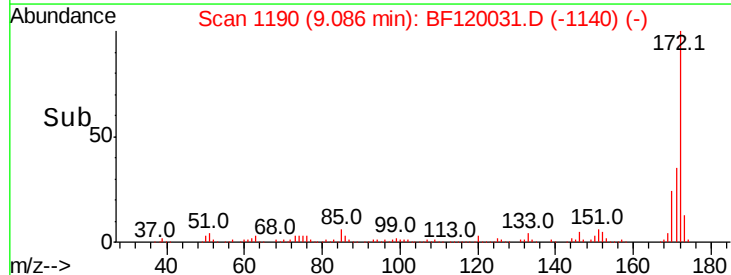
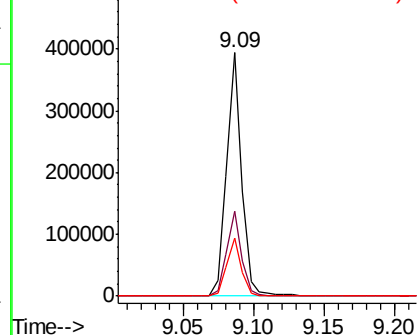


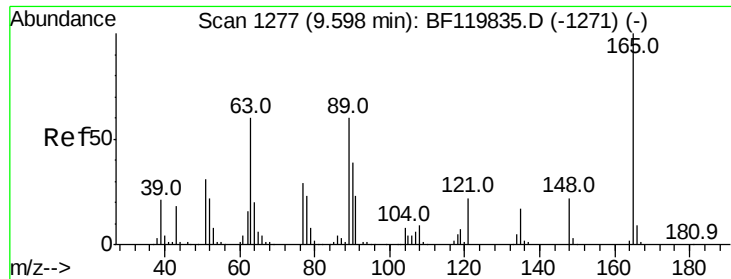
#45
 2-Fluorobiphenyl
 Concen: 16.171 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF120031.D
 Acq: 16 Apr 2020 13:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.9	43.3
170	23.9	19.4	29.2



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

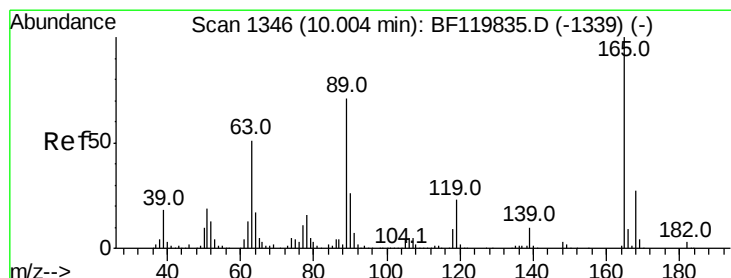
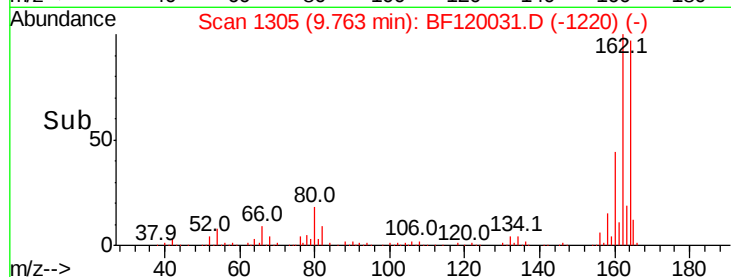
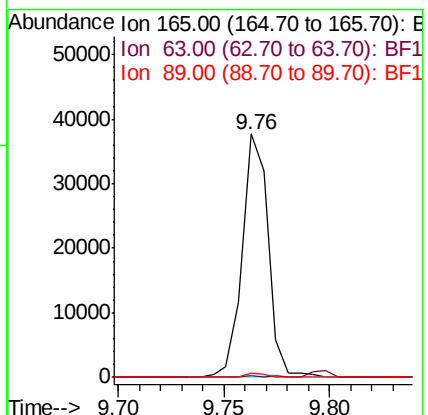
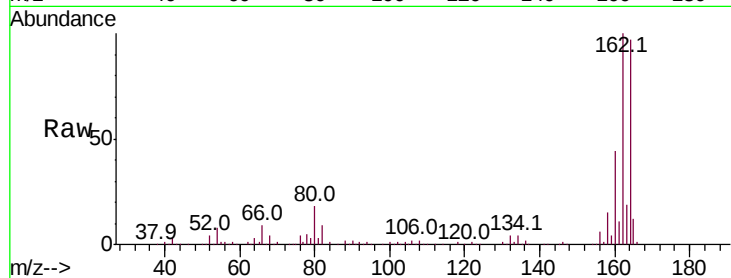




#51
2,6-Dinitrotoluene
Concen: 7.410 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.20 min
Lab File: BF120031.D
Acq: 16 Apr 2020 13:00

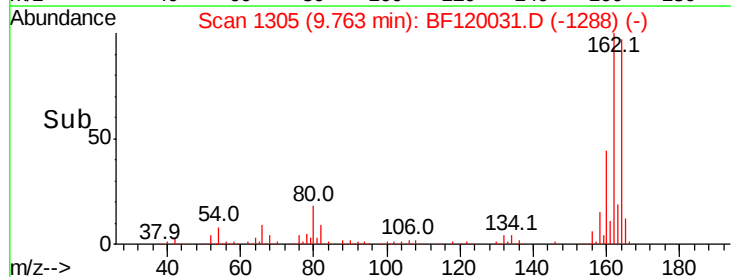
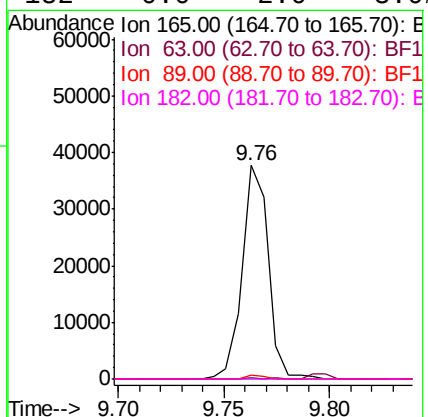
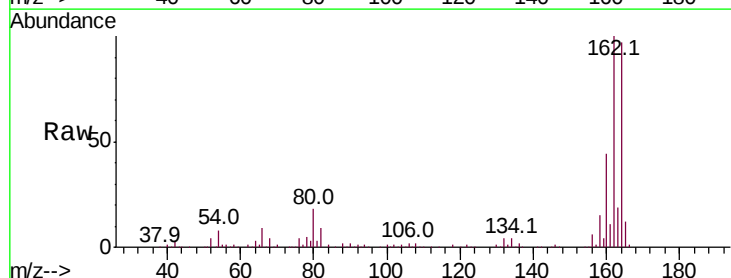
Instrument :
BNA_F
ClientSampled :
TP-10

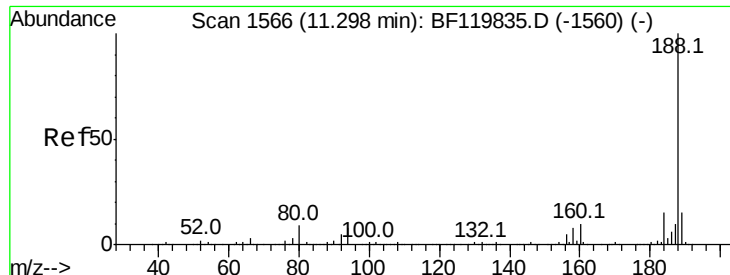
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	55.6	83.4#
89	1.7	47.9	71.9#



#57
2,4-Dinitrotoluene
Concen: 5.624 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.20 min
Lab File: BF120031.D
Acq: 16 Apr 2020 13:00

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	40.8	61.2#
89	1.7	56.9	85.3#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BF120031.D

Acq: 16 Apr 2020 13:00

Instrument :

BNA_F

ClientSampleId :

TP-10

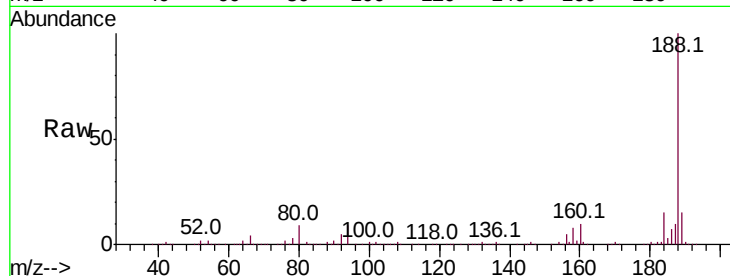
Tot Ion:188 Resp: 405051

Ion Ratio Lower Upper

188 100

94 8.5 6.7 10.1

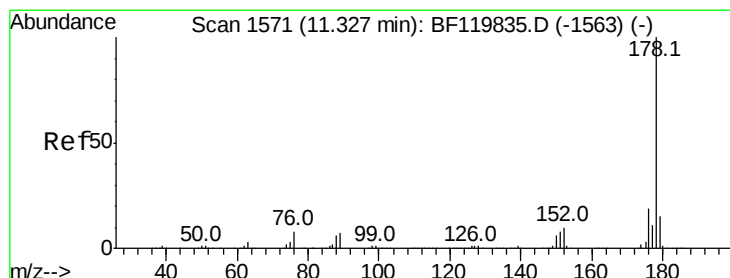
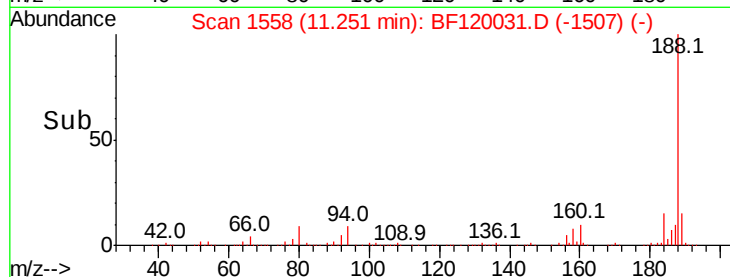
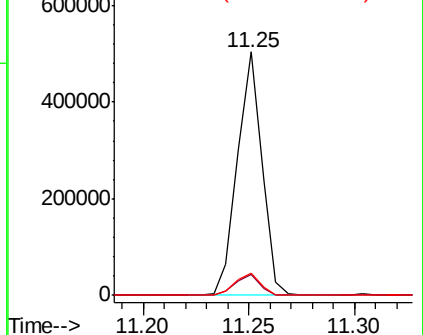
80 9.0 7.4 11.2



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: 4.972 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.01 min

Lab File: BF120031.D

Acq: 16 Apr 2020 13:00

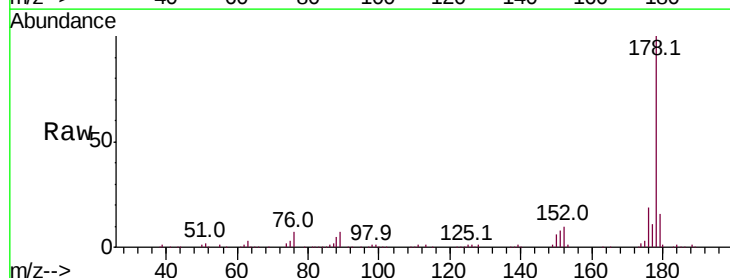
Tgt Ion:178 Resp: 107184

Ion Ratio Lower Upper

178 100

176 18.5 15.1 22.7

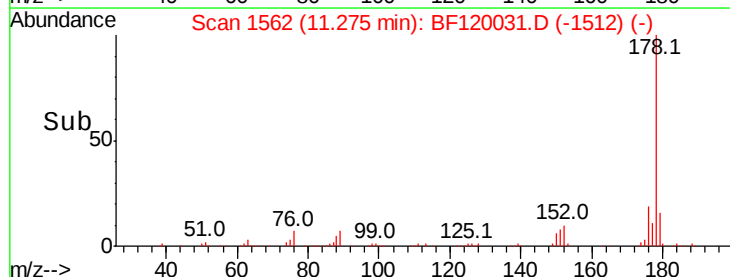
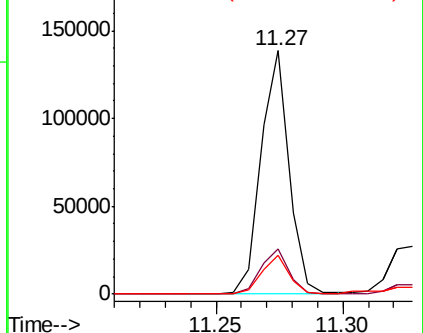
179 15.7 12.2 18.4

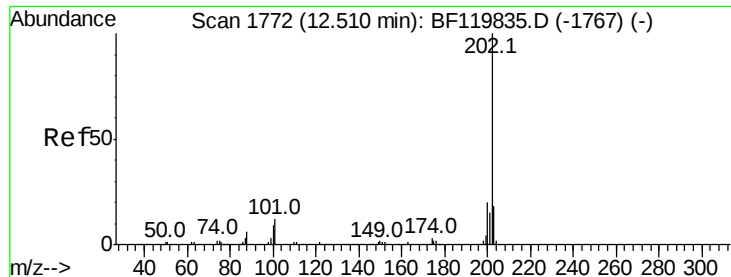


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 5.664 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF120031.D

Acq: 16 Apr 2020 13:00

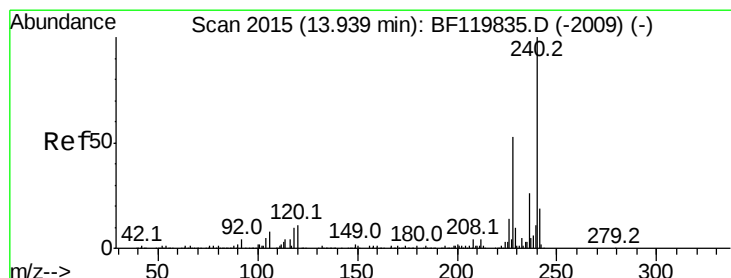
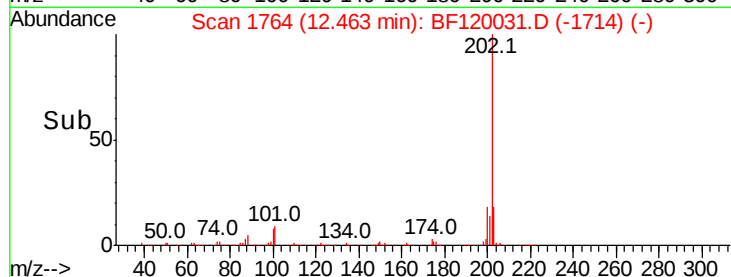
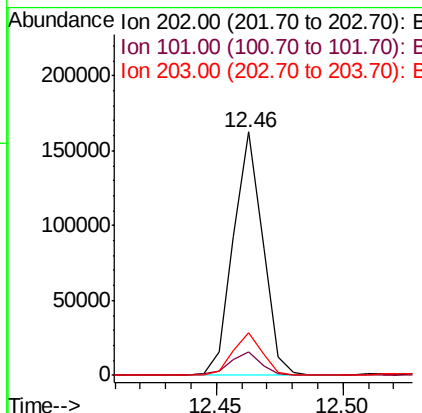
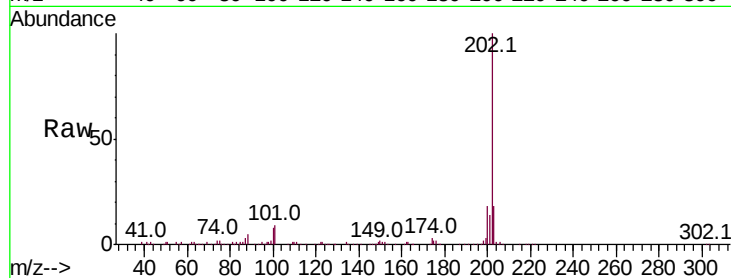
Instrument :

BNA_F

ClientSampleId :

TP-10

Tot Ion:	202	Resp:	131737
Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	32.3
203	17.6	0.0	37.6



#76

Chrysene-d12

Concen: 20.000 ng

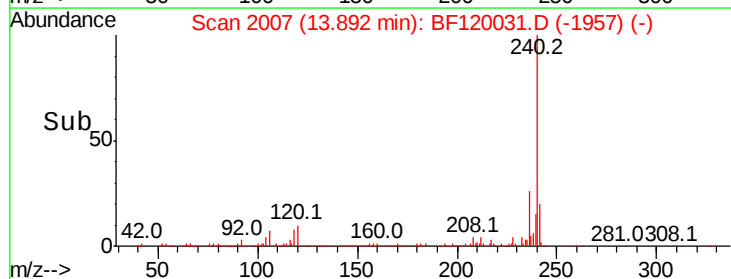
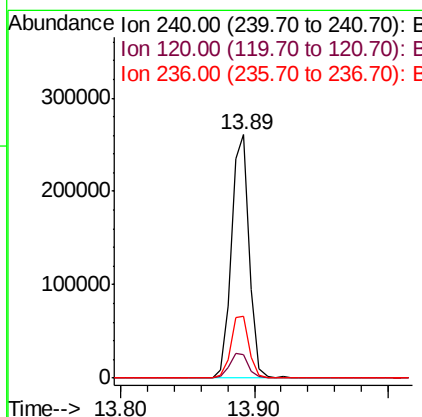
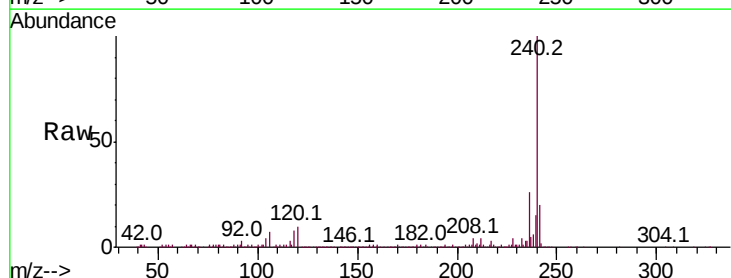
RT: 13.89 min Scan# 2007

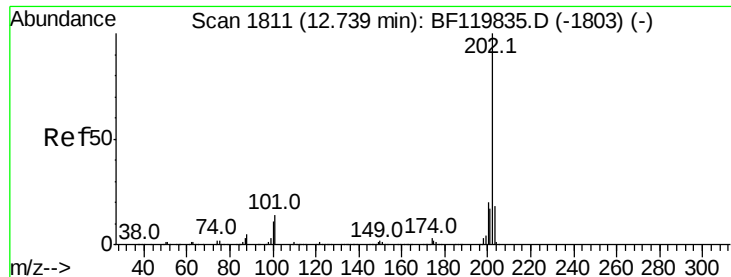
Delta R.T. -0.01 min

Lab File: BF120031.D

Acq: 16 Apr 2020 13:00

Tgt Ion:	240	Resp:	244832
Ion	Ratio	Lower	Upper
240	100		
120	9.7	9.0	13.6
236	25.6	20.7	31.1





#78

Pvrene

Concen: 5.740 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF120031.D

Acq: 16 Apr 2020 13:00

Instrument :

BNA_F

ClientSampleId :

TP-10

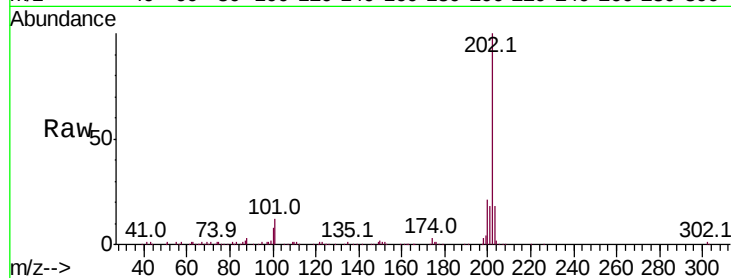
Tot Ion:202 Resp: 118476

Ion Ratio Lower Upper

202 100

200 20.7 16.2 24.2

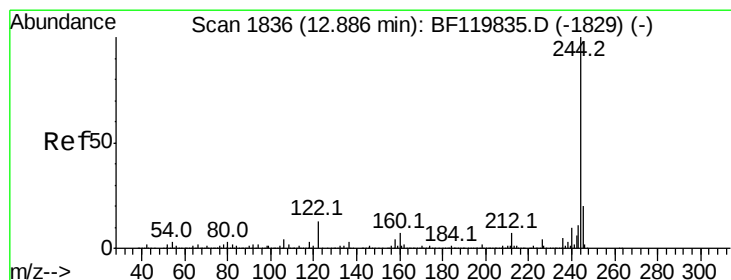
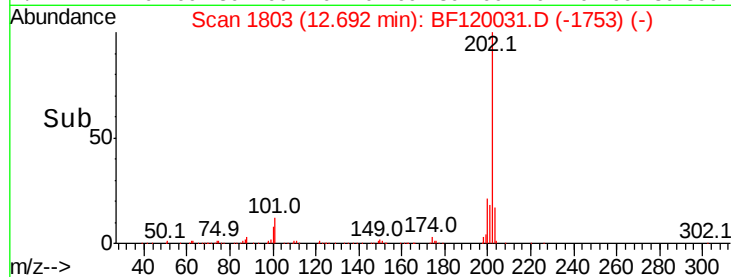
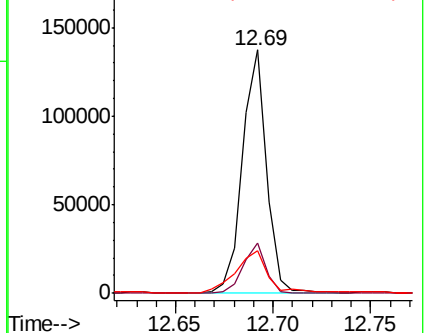
203 17.7 14.1 21.1



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: 15.101 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF120031.D

Acq: 16 Apr 2020 13:00

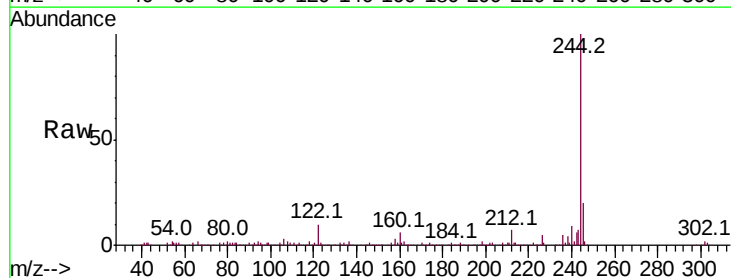
Tgt Ion:244 Resp: 219724

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

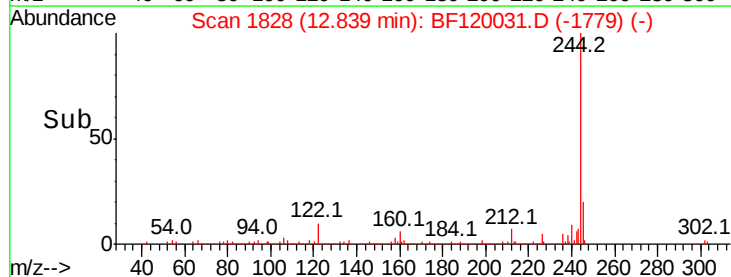
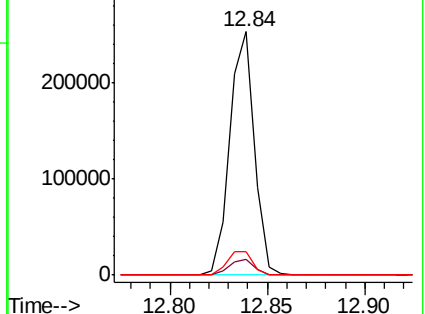
122 9.6 10.3 15.5#

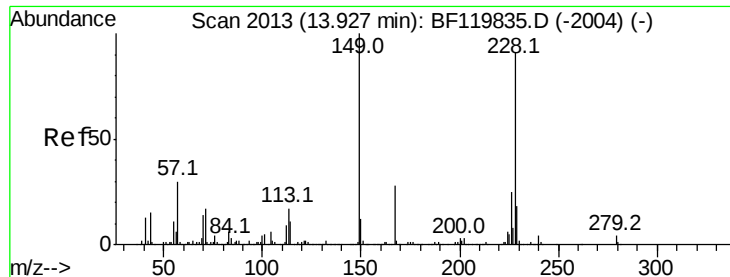


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

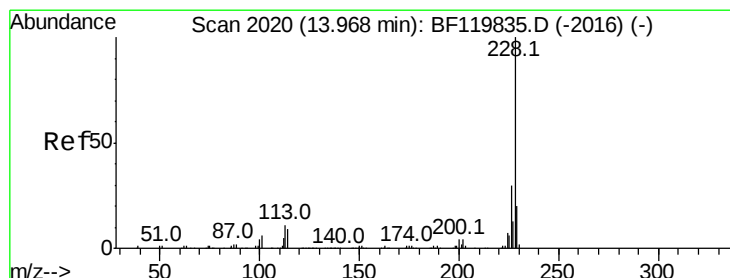
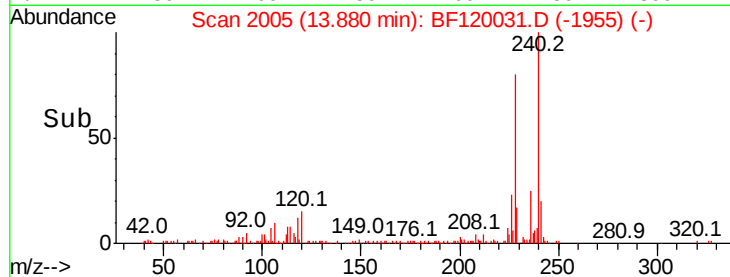
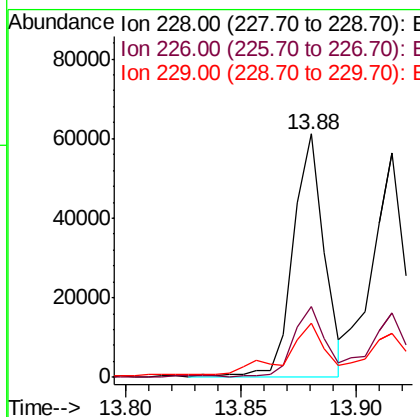
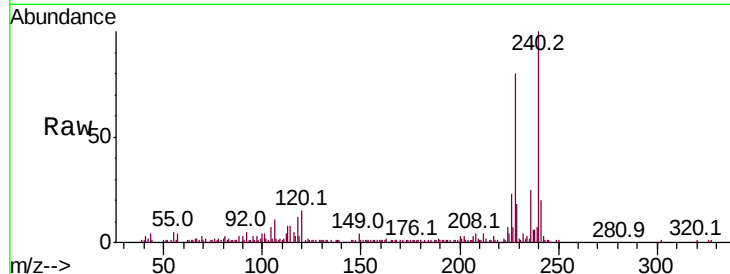




#81
Benzo(a)anthracene
Concen: 3.567 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF120031.D
Acq: 16 Apr 2020 13:00

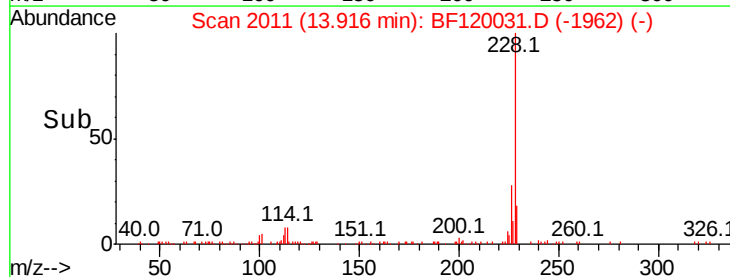
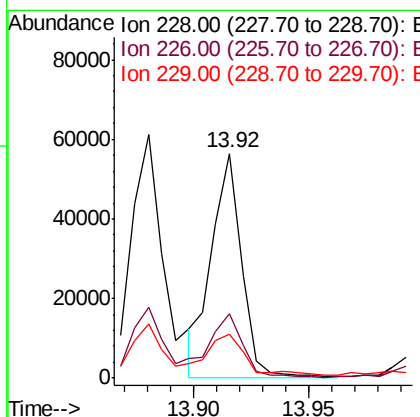
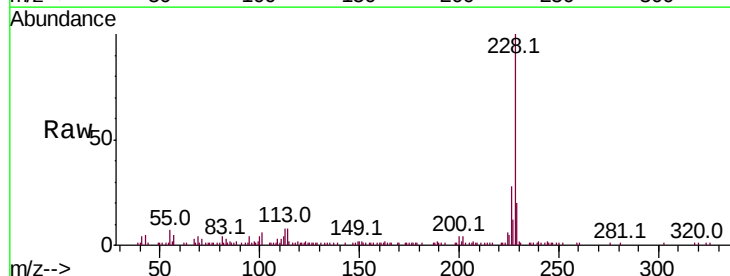
Instrument :
BNA_F
ClientSampleId :
TP-10

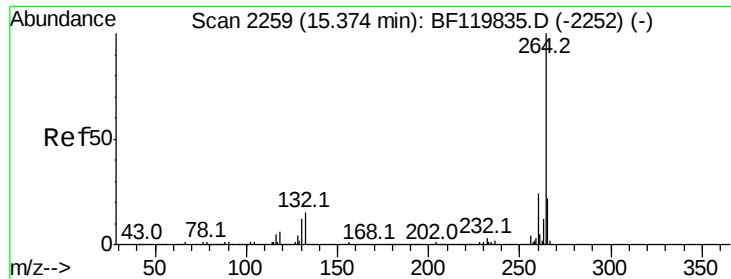
Tot	Ion:228	Resp:	57451
Ion	Ratio	Lower	Upper
228	100		
226	29.0	21.9	32.9
229	22.4	15.9	23.9



#83
Chrysene
Concen: 3.115 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF120031.D
Acq: 16 Apr 2020 13:00

Tgt	Ion:228	Resp:	50978
Ion	Ratio	Lower	Upper
228	100		
226	28.5	24.2	36.2
229	19.5	15.9	23.9



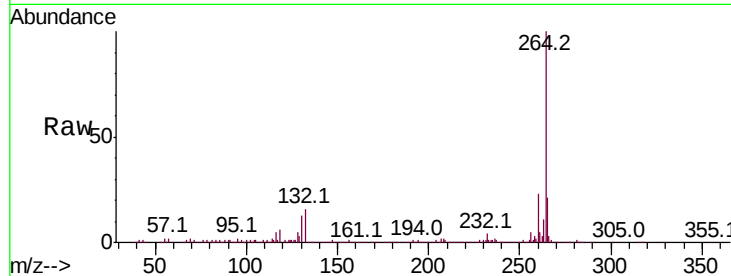


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. -0.01 min
Lab File: BF120031.D
Acq: 16 Apr 2020 13:00

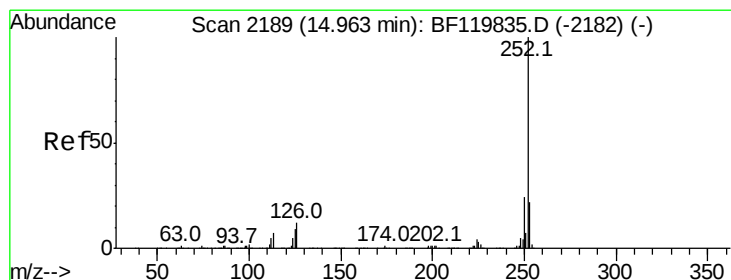
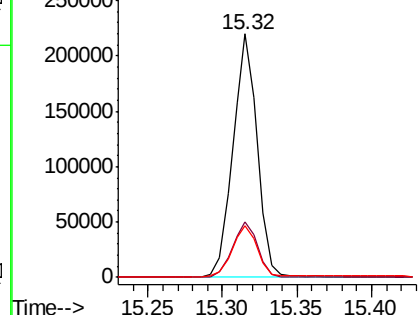
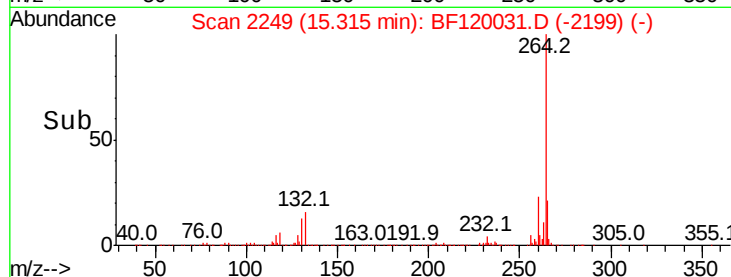
Instrument :
BNA_F
ClientSampleId :
TP-10

Tot Ion:264 Resp: 251794

Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.3	28.9
265	21.2	17.6	26.4



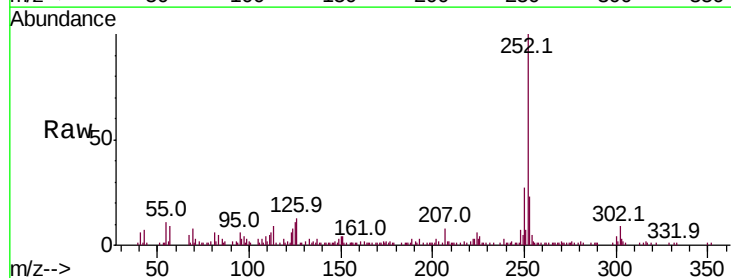
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



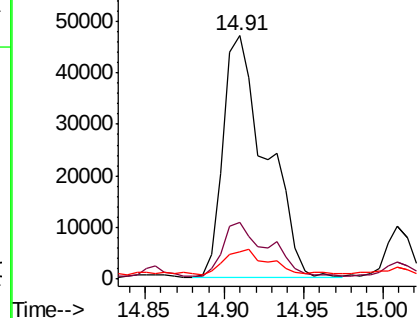
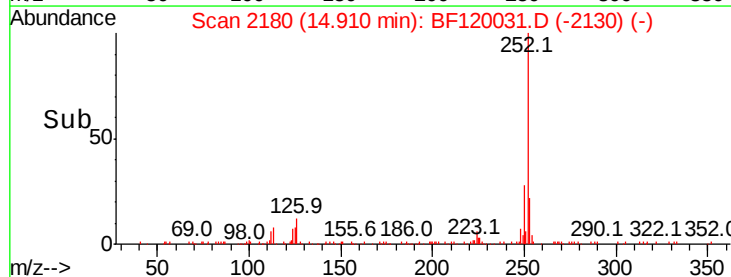
#88
Benzo(b)fluoranthene
Concen: 4.854 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF120031.D
Acq: 16 Apr 2020 13:00

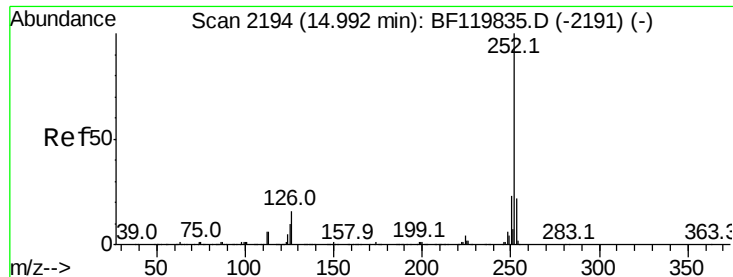
Tgt Ion:252 Resp: 87928

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	11.2	7.4	11.2#



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





#89

Benzo(k)fluoranthene

Concen: 5.626 ng

RT: 14.91 min Scan# 2180

Delta R.T. -0.04 min

Lab File: BF120031.D

Acq: 16 Apr 2020 13:00

Instrument :

BNA_F

ClientSampleId :

TP-10

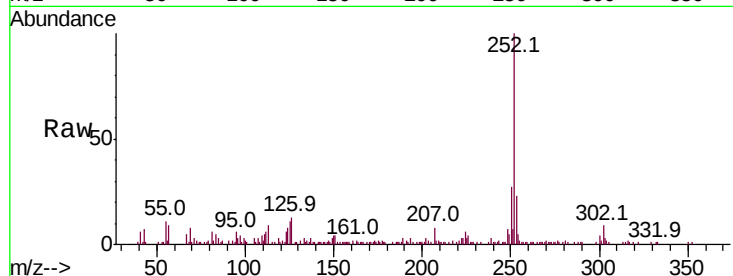
Tot Ion:252 Resp: 87928

Ion Ratio Lower Upper

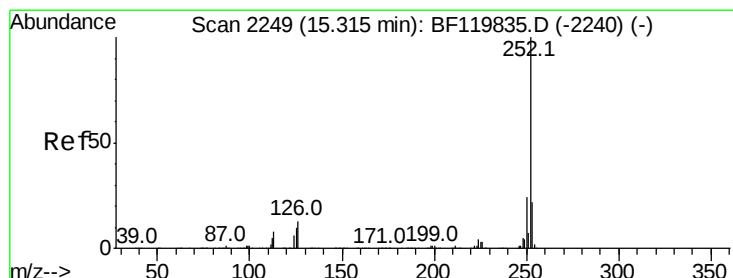
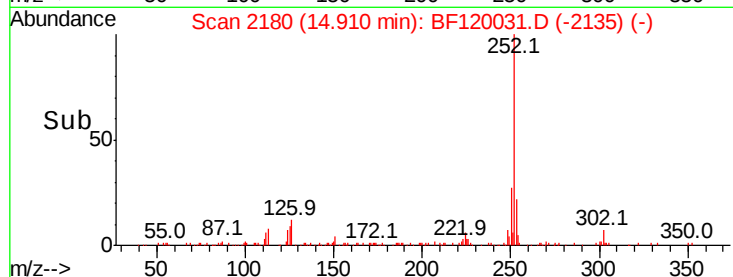
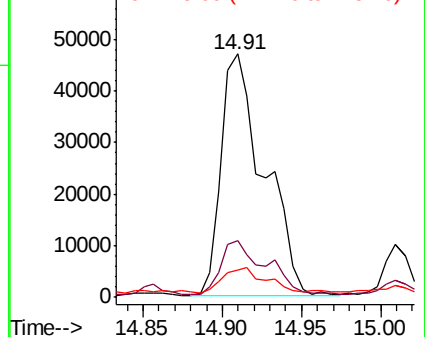
252 100

253 23.3 17.8 26.8

125 11.2 7.7 11.5



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



#90

Benzo(a)pyrene

Concen: 3.305 ng

RT: 15.26 min Scan# 2239

Delta R.T. -0.01 min

Lab File: BF120031.D

Acq: 16 Apr 2020 13:00

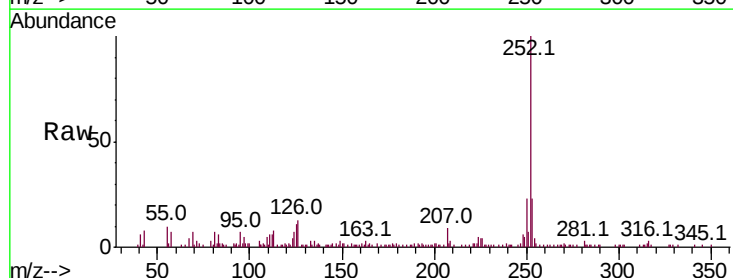
Tgt Ion:252 Resp: 50334

Ion Ratio Lower Upper

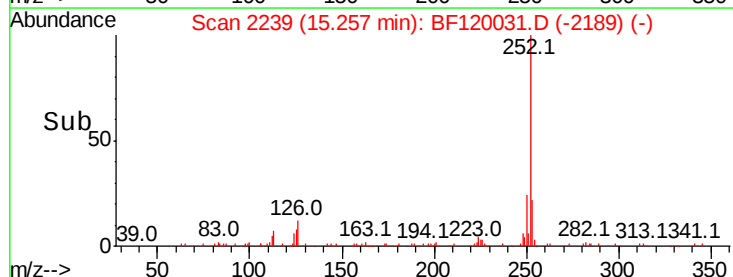
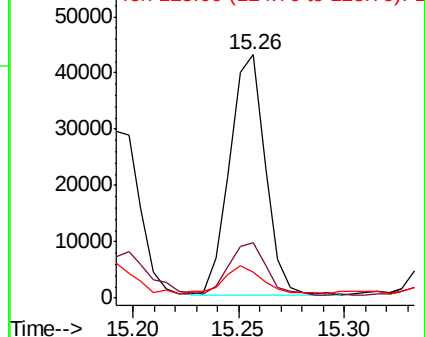
252 100

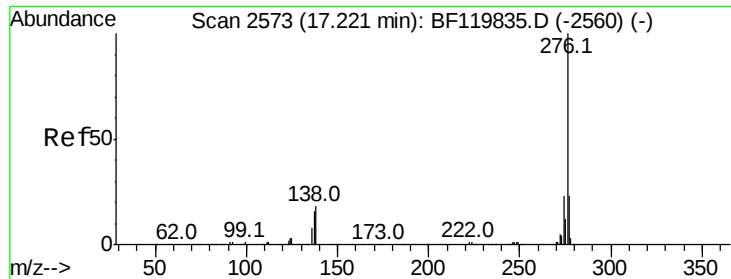
253 22.9 17.4 26.2

125 10.9 8.3 12.5



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(a,h,i)perylene
 Concen: 2.056 ng
 RT: 17.11 min Scan# 2554
 Delta R.T. -0.02 min
 Lab File: BF120031.D
 Acq: 16 Apr 2020 13:00

Instrument :
 BNA_F
 ClientSampleId :
 TP-10

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.5	27.7
138	21.2	14.6	22.0

