

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF041620\
 Data File : BF120028.D
 Acq On : 16 Apr 2020 11:40
 Operator : MA/SJ
 Sample : L2230-37 5X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-33

Quant Time: Apr 16 12:14:10 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	138927	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	528366	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	256947	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	431133	20.00	ng	0.00
76) Chrysene-d12	13.89	240	242441	20.00	ng	0.00
87) Perylene-d12	15.32	264	258702	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	164792	20.50	ng	0.00
7) Phenol-d6	6.35	99	218231	21.07	ng	-0.01
23) Nitrobenzene-d5	7.28	82	134464	13.17	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	65346	20.77	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	289780	16.01	ng	0.00
79) Terphenyl-d14	12.84	244	380533	26.41	ng	-0.01

Target Compounds

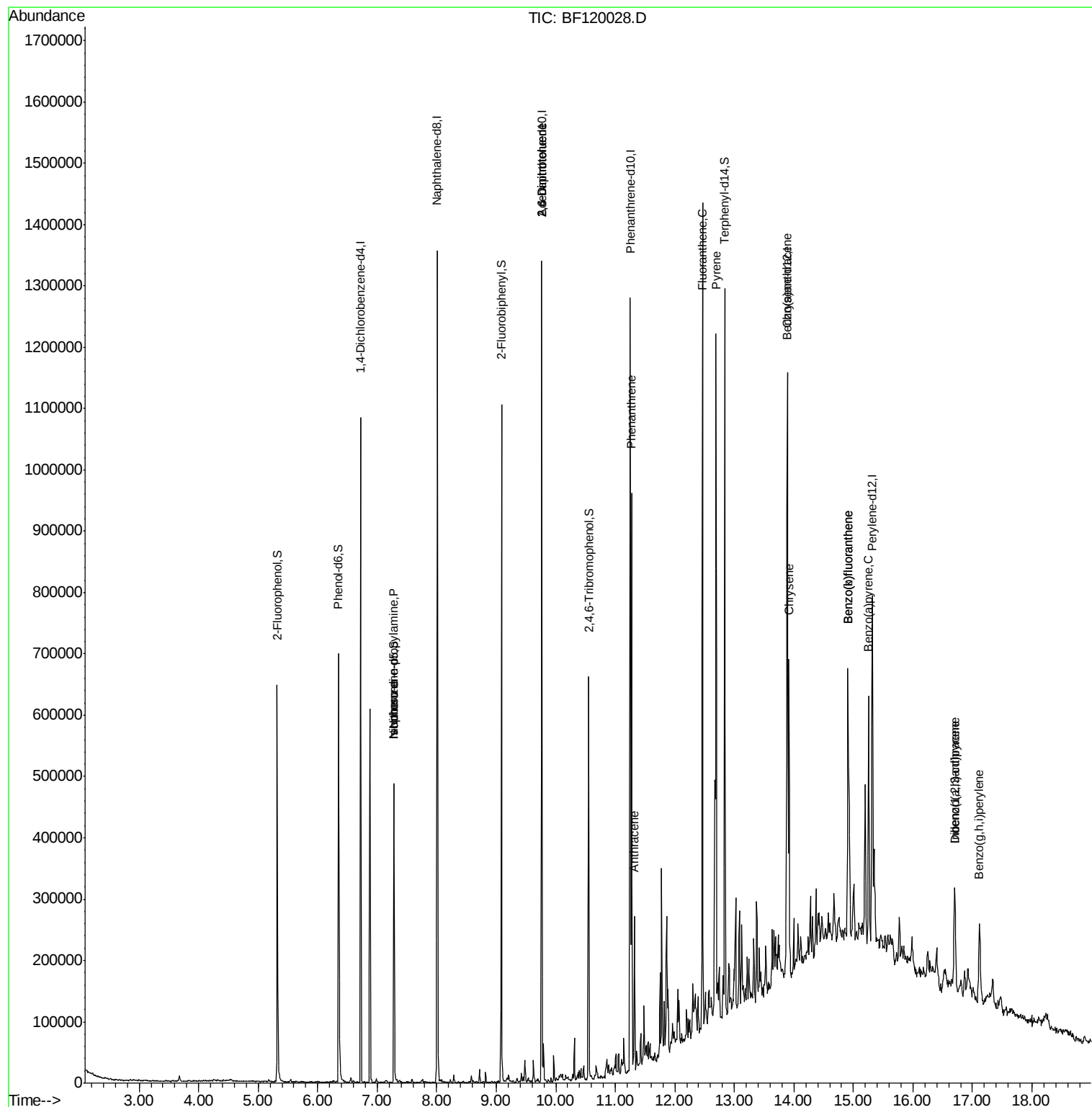
						Qvalue
9) Benzaldehyde	6.27	77	436	Below Cal	#	82
19) n-Nitroso-di-n-propylamine	7.28	70	17022	2.555 ng	#	83
25) Isophorone	7.28	82	132958	6.753 ng	#	65
51) 2,6-Dinitrotoluene	9.76	165	31453	7.227 ng	#	19
57) 2,4-Dinitrotoluene	9.76	165	31453	5.485 ng	#	22
71) Phenanthrene	11.27	178	326350	14.223 ng		99
72) Anthracene	11.32	178	83291	3.553 ng		97
75) Fluoranthene	12.46	202	507354	20.493 ng		97
78) Pyrene	12.69	202	447128	21.877 ng		99
81) Benzo(a)anthracene	13.88	228	225165	14.118 ng		97
83) Chrysene	13.92	228	184416	11.380 ng		97
86) Indeno(1,2,3-cd)pyrene	16.70	276	108603	7.602 ng		96
88) Benzo(b)fluoranthene	14.91	252	324169	17.419 ng	#	95
89) Benzo(k)fluoranthene	14.91	252	324169	20.188 ng	#	96
90) Benzo(a)pyrene	15.26	252	182082	11.636 ng		98
91) Dibenzo(a,h)anthracene	16.71	278	28003	2.020 ng	#	90
92) Benzo(g,h,i)perylene	17.12	276	99977	7.307 ng		96

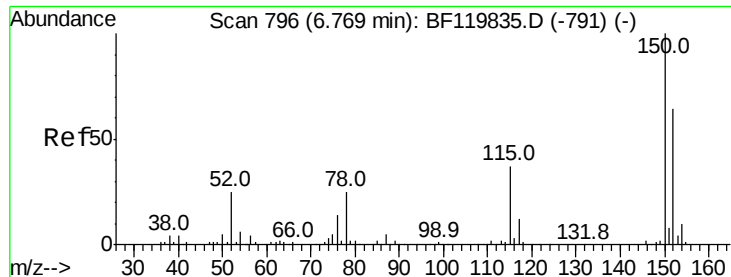
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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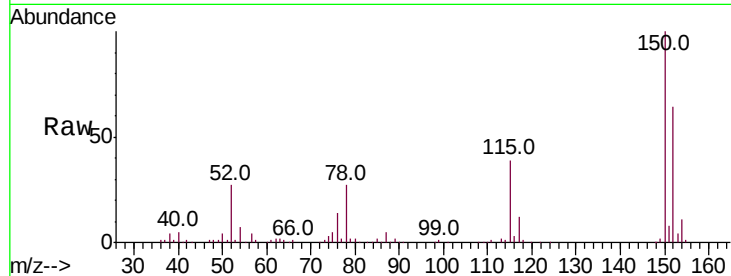


#1

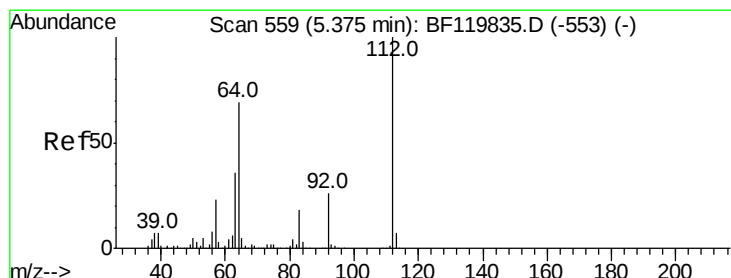
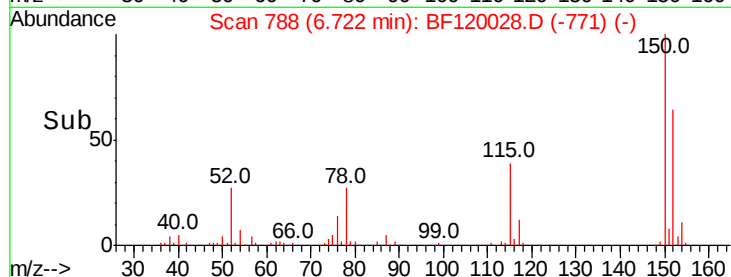
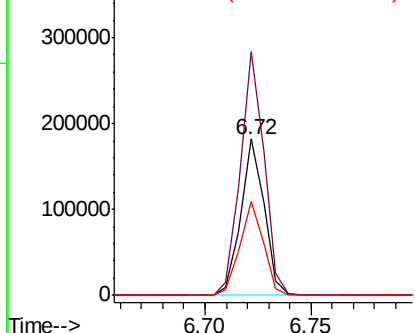
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.00 min
 Lab File: BF120028.D
 Acq: 16 Apr 2020 11:40

Instrument :
 BNA_F
 ClientSampleId :
 TP-33

Tot Ion:152 Resp: 138927
 Ion Ratio Lower Upper
 152 100
 150 155.8 124.8 187.2
 115 60.1 46.5 69.7



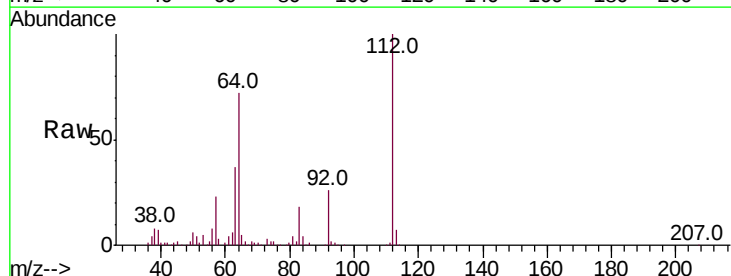
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



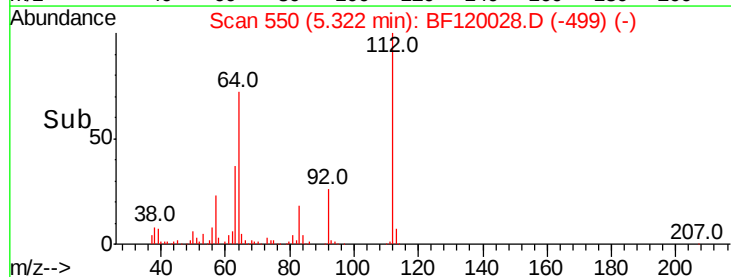
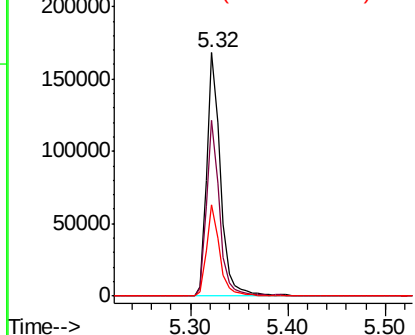
#5

2-Fluorophenol
 Concen: 20.499 ng
 RT: 5.32 min Scan# 550
 Delta R.T. -0.00 min
 Lab File: BF120028.D
 Acq: 16 Apr 2020 11:40

Tgt Ion:112 Resp: 164792
 Ion Ratio Lower Upper
 112 100
 64 72.4 55.5 83.3
 63 37.2 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: 21.068 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF120028.D

Acq: 16 Apr 2020 11:40

Instrument :

BNA_F

ClientSampleId :

TP-33

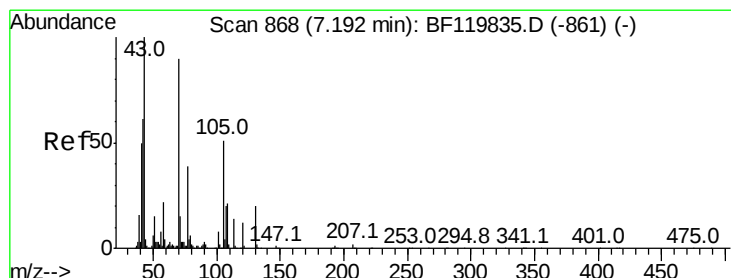
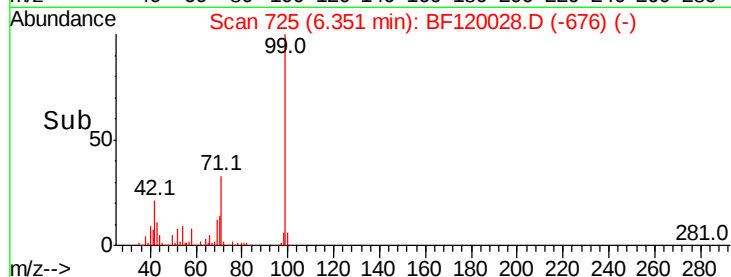
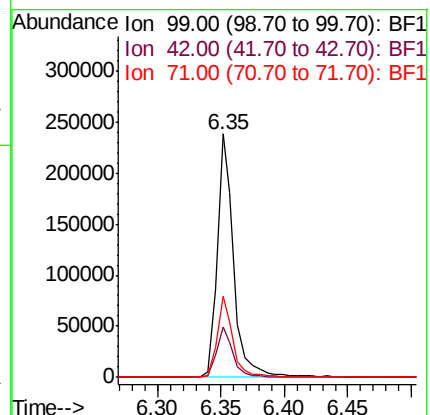
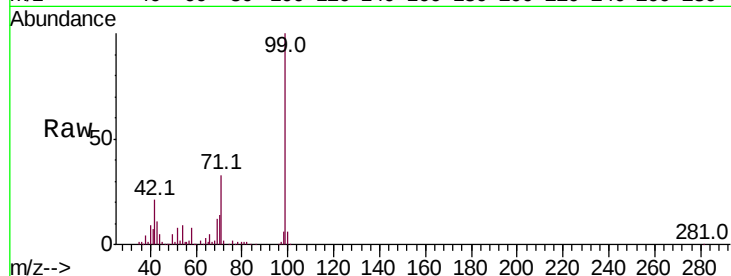
Tot Ion: 99 Resp: 218231

Ion Ratio Lower Upper

99 100

42 20.7 16.9 25.3

71 33.3 26.3 39.5



#19

n-Nitroso-di-n-propylamine

Concen: 2.555 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.13 min

Lab File: BF120028.D

Acq: 16 Apr 2020 11:40

Tgt Ion: 70 Resp: 17022

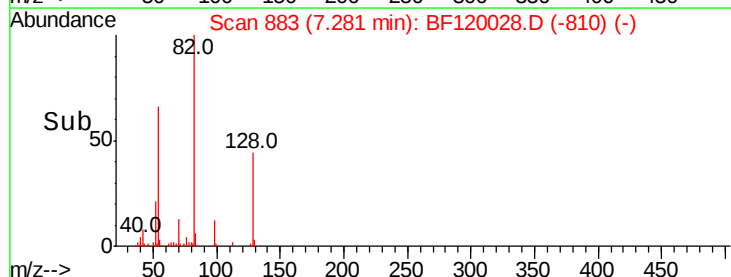
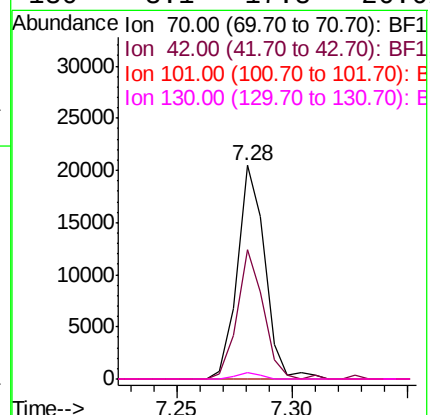
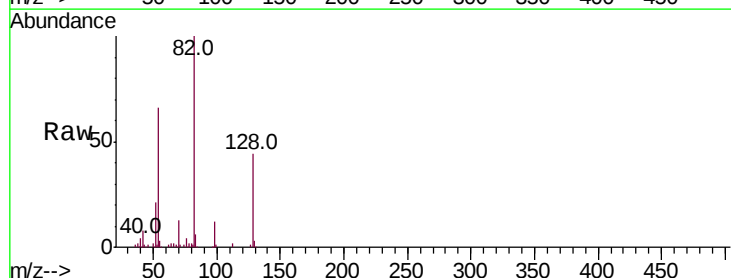
Ion Ratio Lower Upper

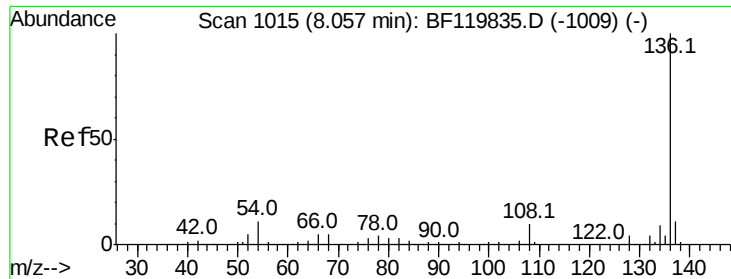
70 100

42 60.8 54.2 81.4

101 0.0 7.4 11.2#

130 3.1 17.8 26.6#

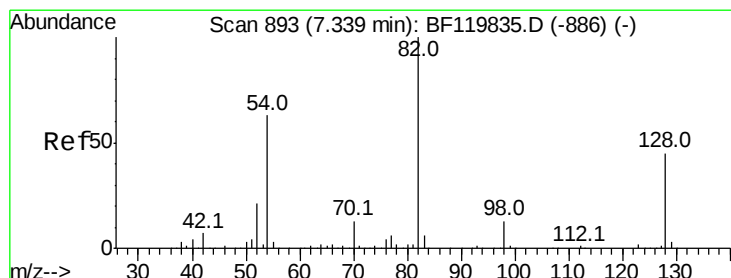
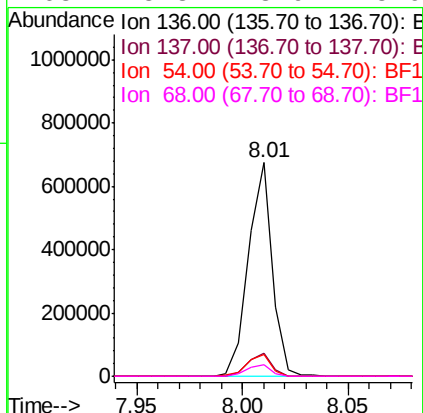
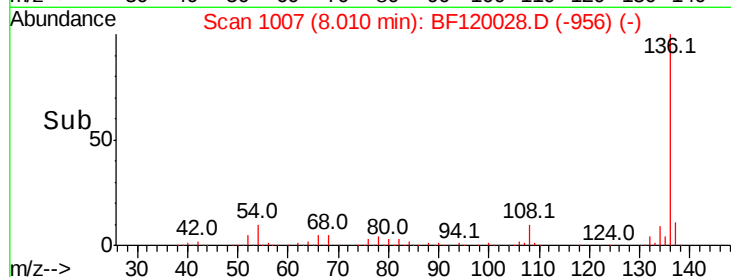
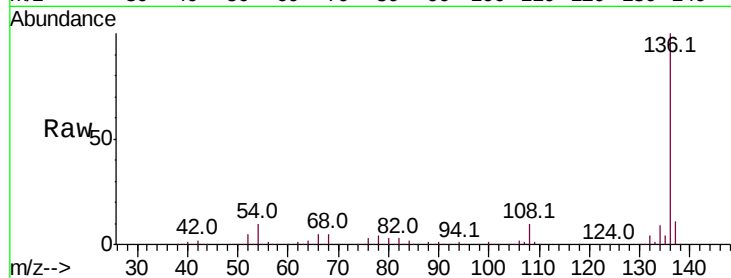




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

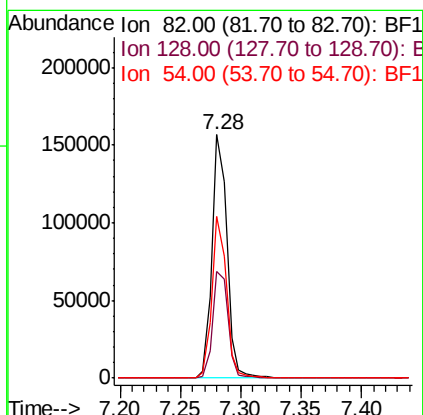
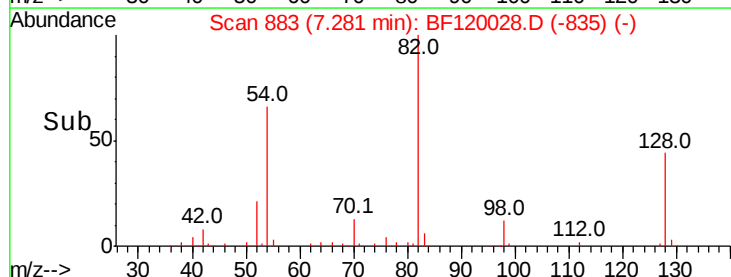
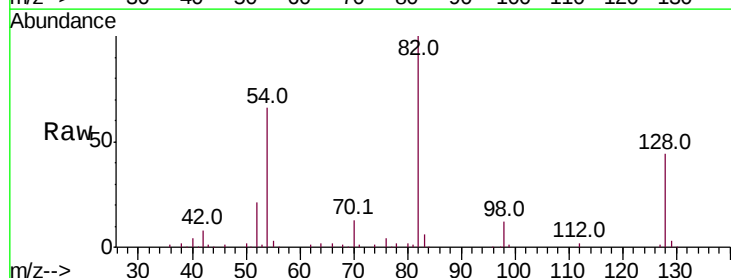
Instrument :
BNA_F
ClientSampleId :
TP-33

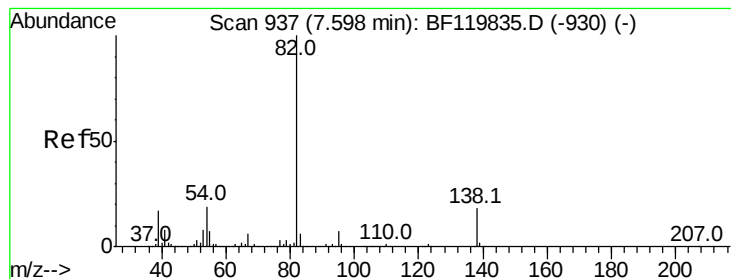
Tot Ion:	136	Resp:	528366
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	10.1	8.5	12.7
68	5.3	3.9	5.9



#23
Nitrobenzene-d5
Concen: 13.166 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Tgt Ion:	82	Resp:	134464
Ion	Ratio	Lower	Upper
82	100		
128	43.6	36.2	54.4
54	66.5	50.4	75.6





#25

Isophorone

Concen: 6.753 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.28 min

Lab File: BF120028.D

Acq: 16 Apr 2020 11:40

Instrument :

BNA_F

ClientSampleId :

TP-33

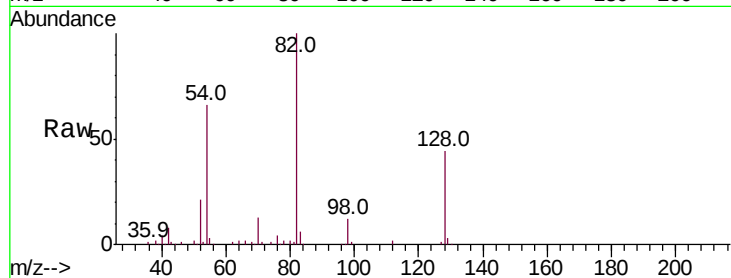
Tot Ion: 82 Resp: 132958

Ion Ratio Lower Upper

82 100

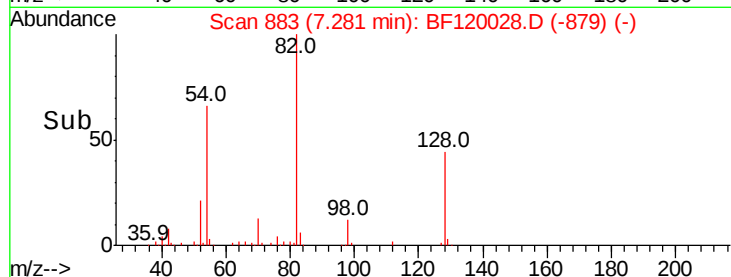
95 0.0 5.8 8.6#

138 0.0 14.5 21.7#

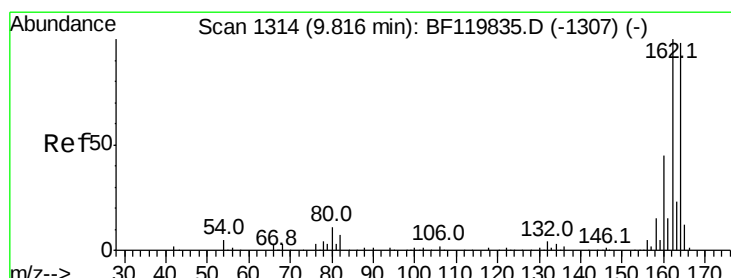


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): E

7.28



Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF120028.D

Acq: 16 Apr 2020 11:40

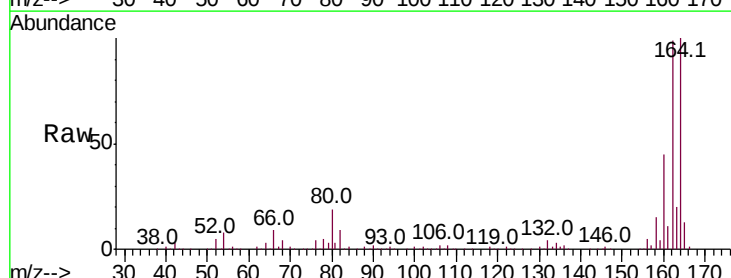
Tgt Ion:164 Resp: 256947

Ion Ratio Lower Upper

164 100

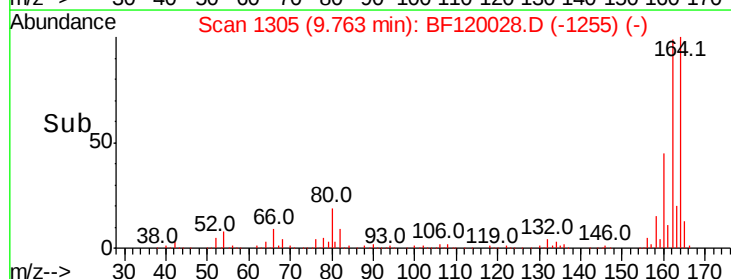
162 99.1 81.9 122.9

160 44.8 36.6 54.8

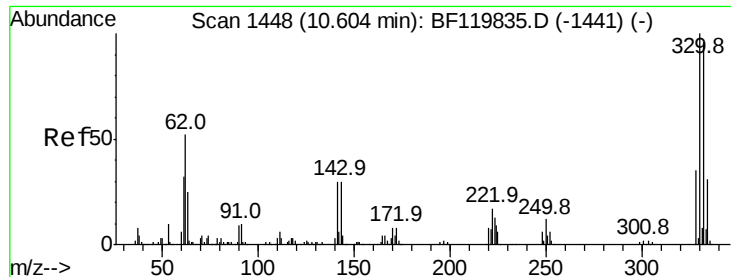


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

9.76



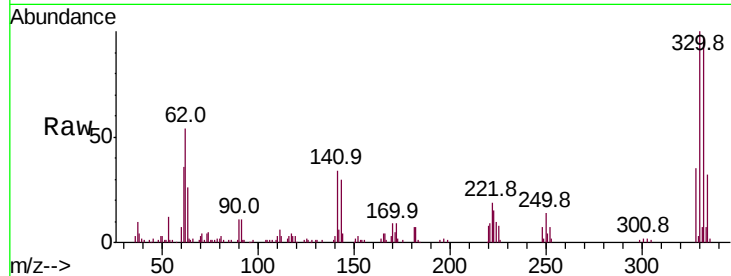
Time-->



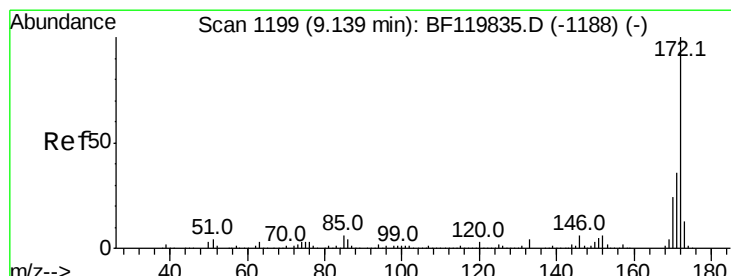
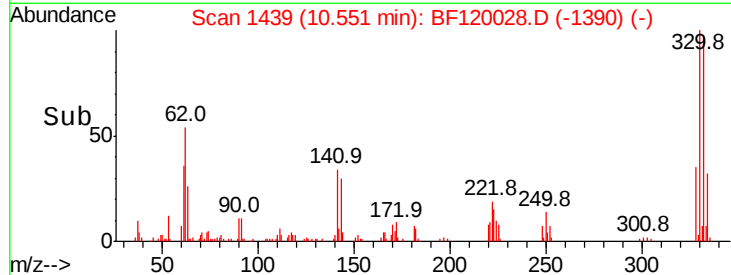
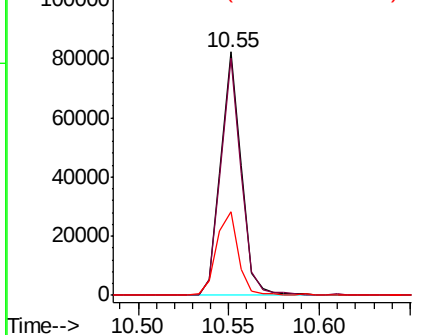
#42
 2,4,6-Tribromophenol
 Concen: 20.772 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF120028.D
 Acq: 16 Apr 2020 11:40

Instrument :
 BNA_F
 ClientSampled :
 TP-33

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.8	115.2
141	36.2	25.1	37.7

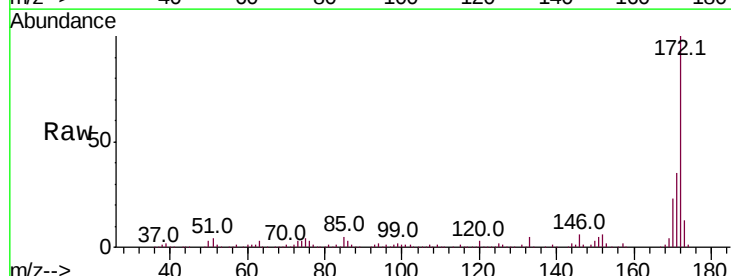


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

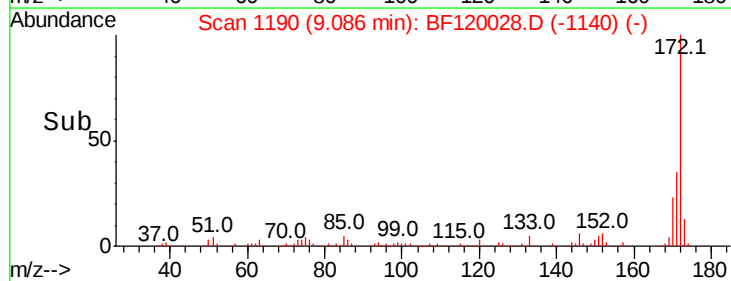
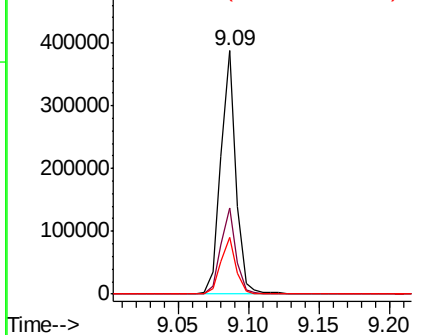


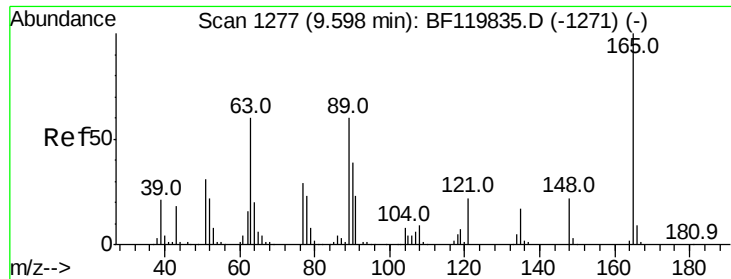
#45
 2-Fluorobiphenyl
 Concen: 16.012 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF120028.D
 Acq: 16 Apr 2020 11:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.9	43.3
170	23.3	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

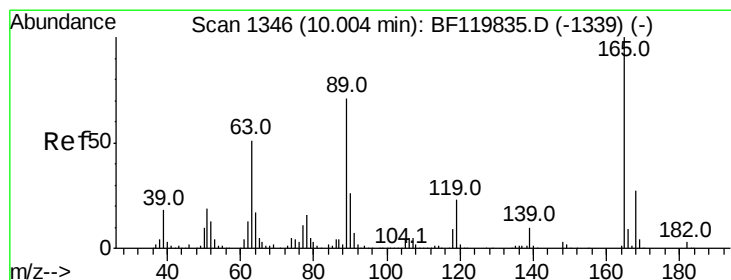
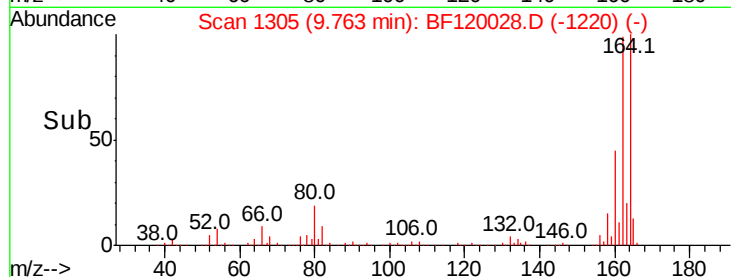
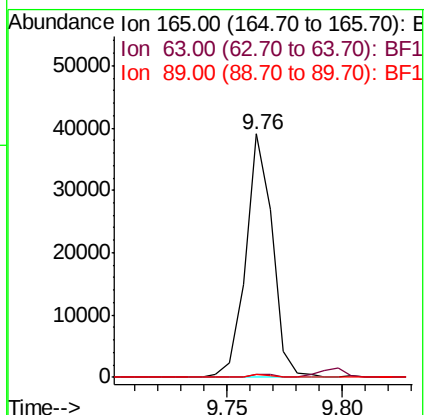
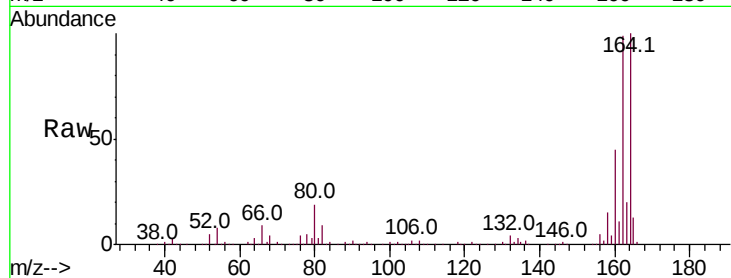




#51
 2,6-Dinitrotoluene
 Concen: 7.227 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.20 min
 Lab File: BF120028.D
 Acq: 16 Apr 2020 11:40

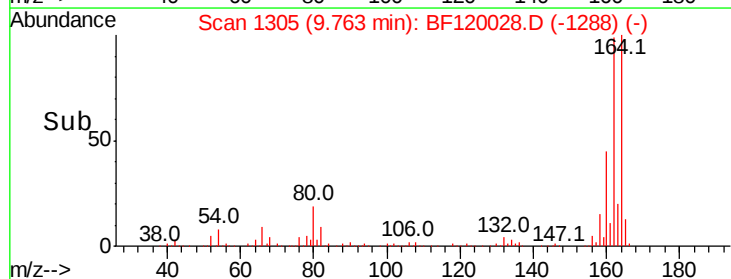
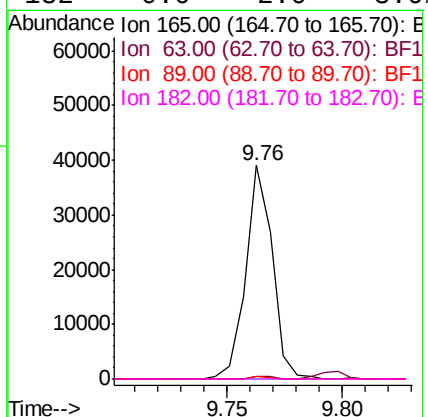
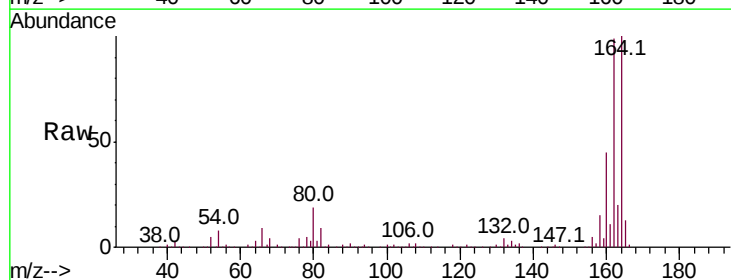
Instrument :
 BNA_F
 ClientSampled :
 TP-33

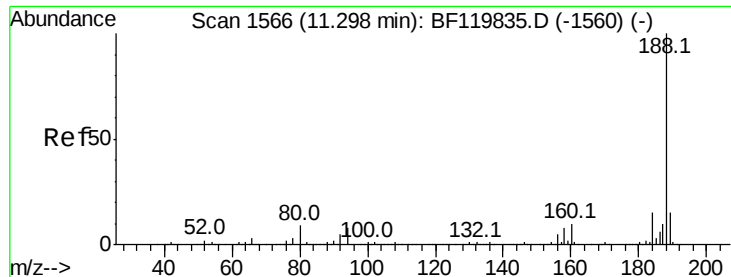
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	55.6	83.4#
89	1.4	47.9	71.9#



#57
 2,4-Dinitrotoluene
 Concen: 5.485 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.20 min
 Lab File: BF120028.D
 Acq: 16 Apr 2020 11:40

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	40.8	61.2#
89	1.4	56.9	85.3#
182	0.0	2.0	3.0#

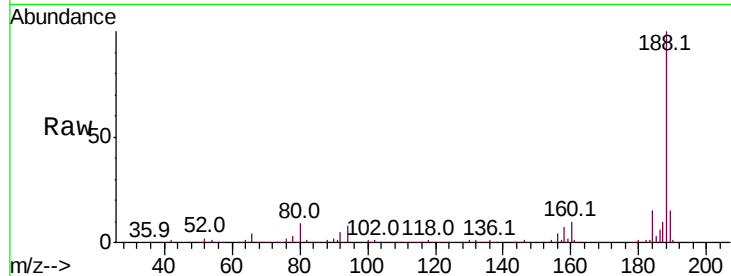




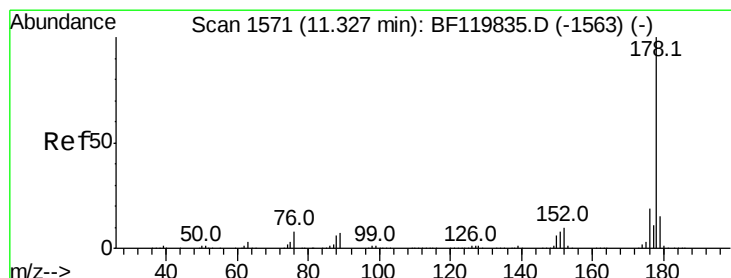
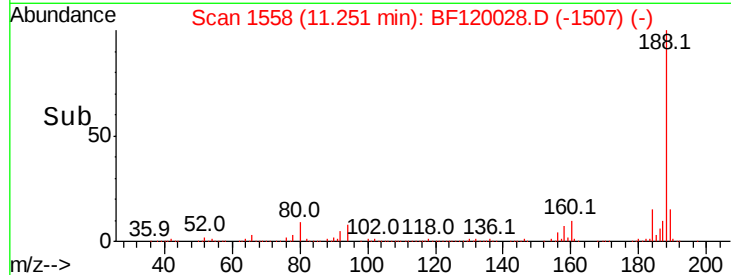
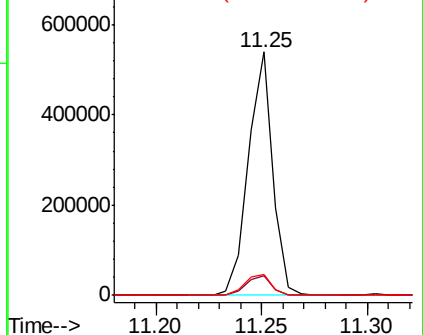
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Instrument :
BNA_F
ClientSampleId :
TP-33

Tot Ion:188 Resp: 431133
Ion Ratio Lower Upper
188 100
94 7.8 6.7 10.1
80 8.6 7.4 11.2

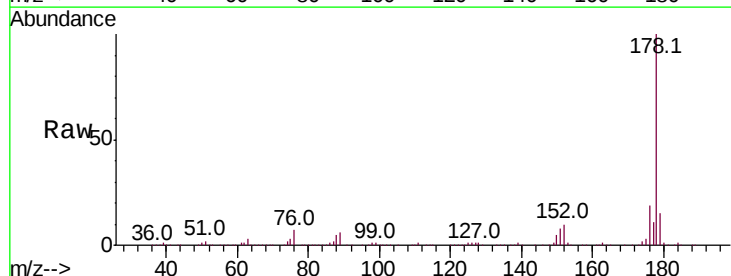


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

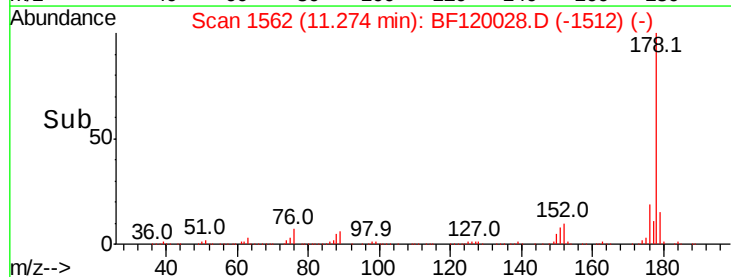
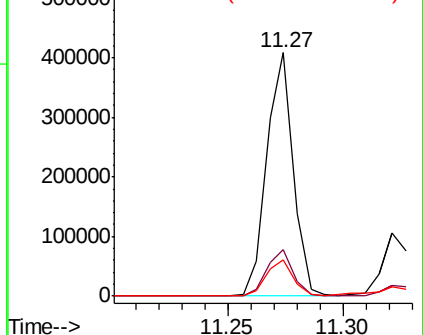


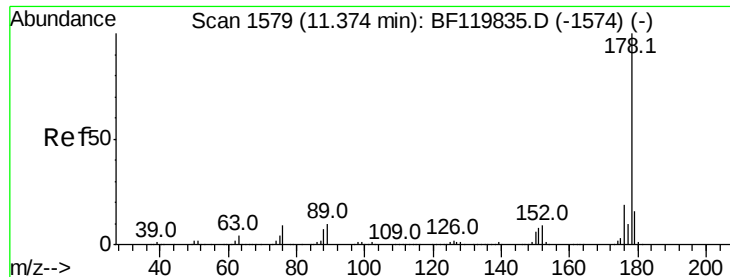
#71
Phenanthrene
Concen: 14.223 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Tgt Ion:178 Resp: 326350
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 15.0 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





#72

Anthracene

Concen: 3.553 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF120028.D

Acq: 16 Apr 2020 11:40

Instrument :

BNA_F

ClientSampled :

TP-33

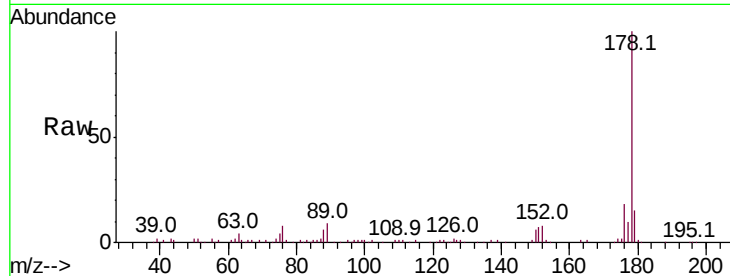
Tot Ion:178 Resp: 83291

Ion Ratio Lower Upper

178 100

176 17.9 15.4 23.2

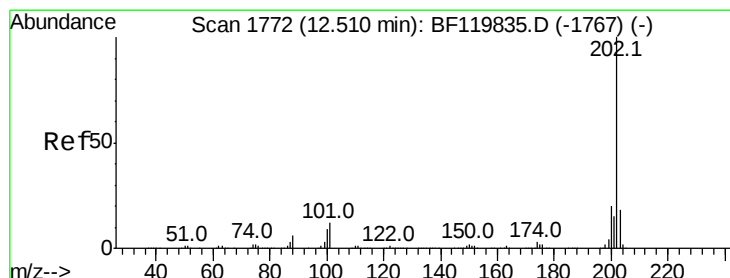
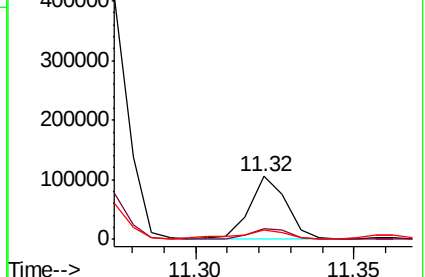
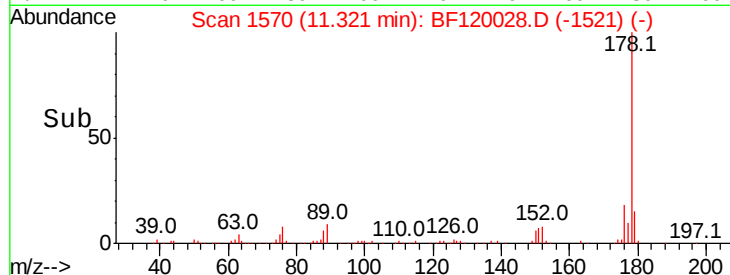
179 15.0 12.8 19.2



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: 20.493 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF120028.D

Acq: 16 Apr 2020 11:40

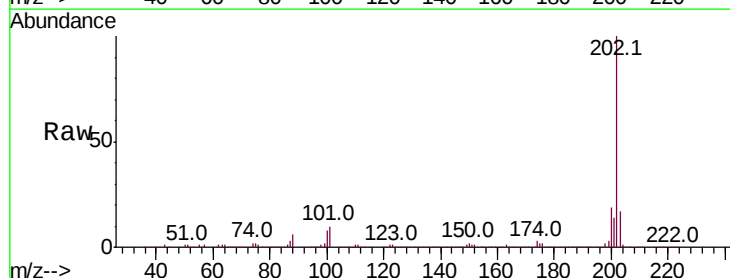
Tgt Ion:202 Resp: 507354

Ion Ratio Lower Upper

202 100

101 10.1 0.0 32.3

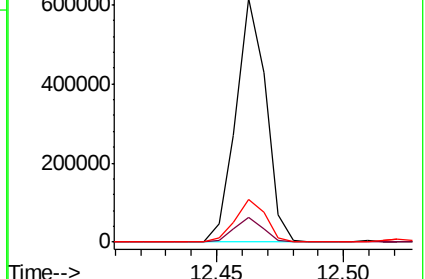
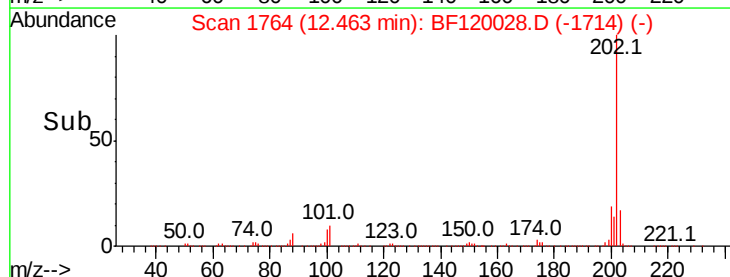
203 17.4 0.0 37.6

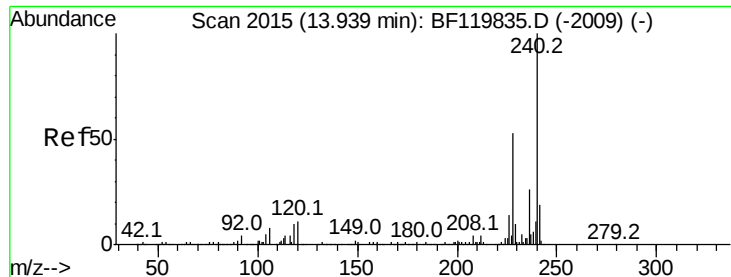


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF120028.D

Acq: 16 Apr 2020 11:40

Instrument :

BNA_F

ClientSampleId :

TP-33

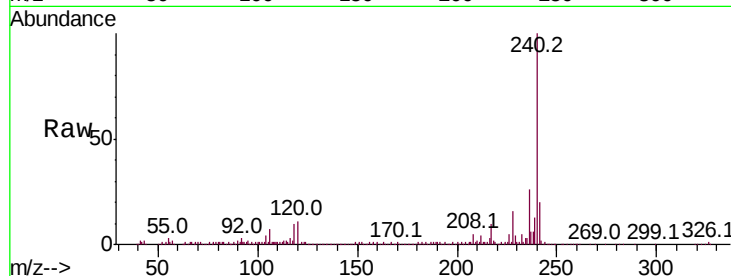
Tot Ion:240 Resp: 242441

Ion Ratio Lower Upper

240 100

120 10.5 9.0 13.6

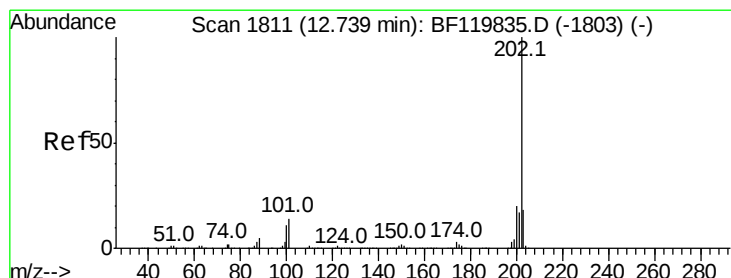
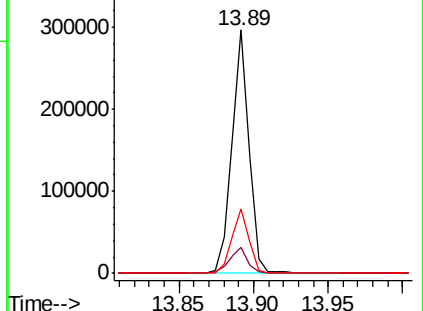
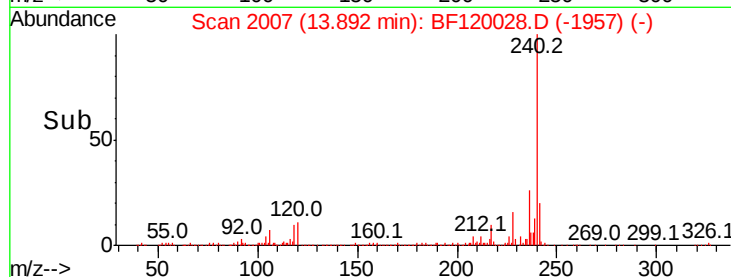
236 26.3 20.7 31.1



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: 21.877 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF120028.D

Acq: 16 Apr 2020 11:40

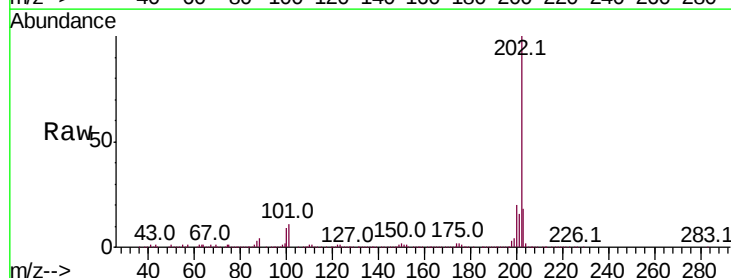
Tgt Ion:202 Resp: 447128

Ion Ratio Lower Upper

202 100

200 19.7 16.2 24.2

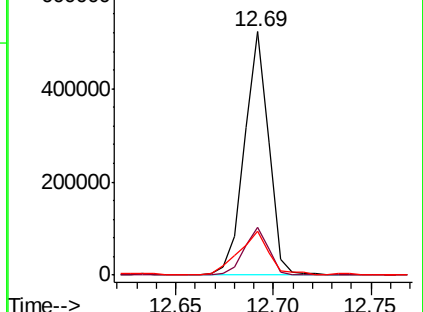
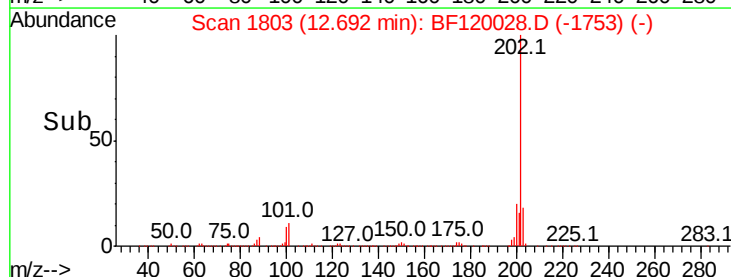
203 18.1 14.1 21.1

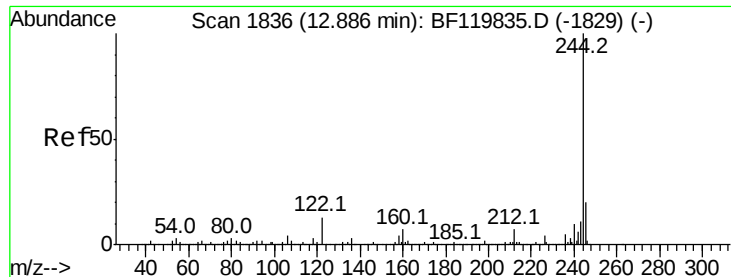


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 26.411 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF120028.D

Acq: 16 Apr 2020 11:40

Instrument :

BNA_F

ClientSampleId :

TP-33

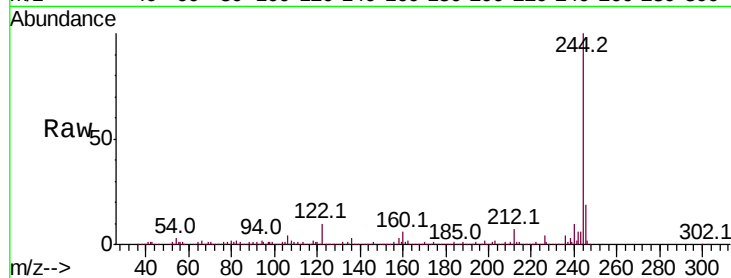
Tot Ion:244 Resp: 380533

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

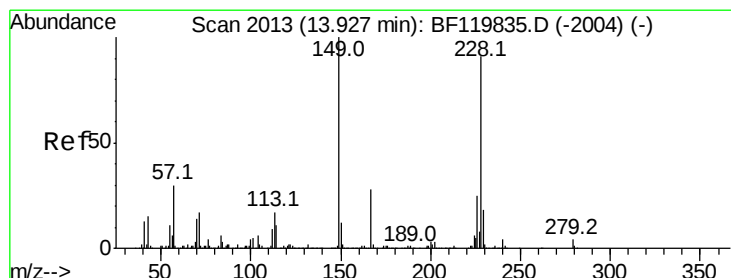
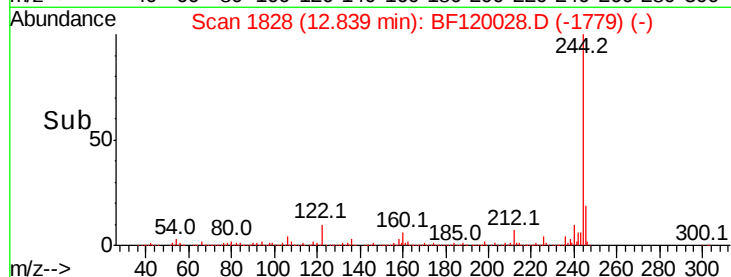
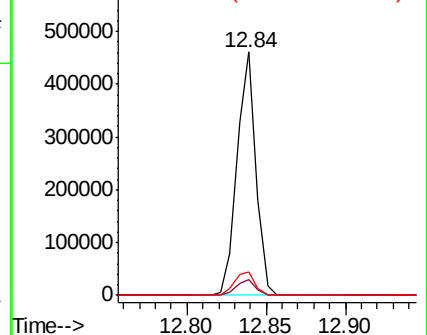
122 9.7 10.3 15.5#



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: 14.118 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF120028.D

Acq: 16 Apr 2020 11:40

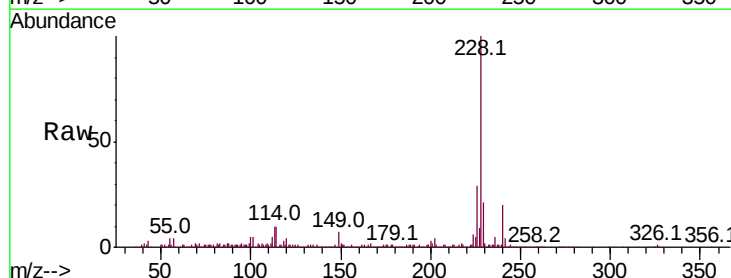
Tgt Ion:228 Resp: 225165

Ion Ratio Lower Upper

228 100

226 29.2 21.9 32.9

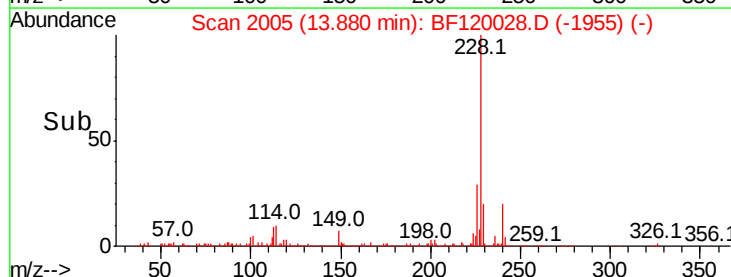
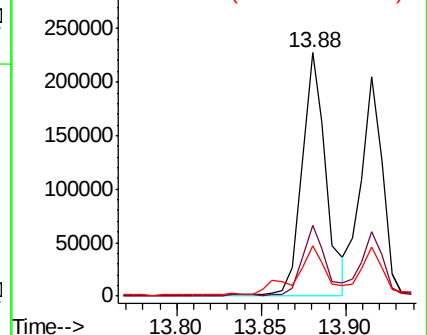
229 20.8 15.9 23.9

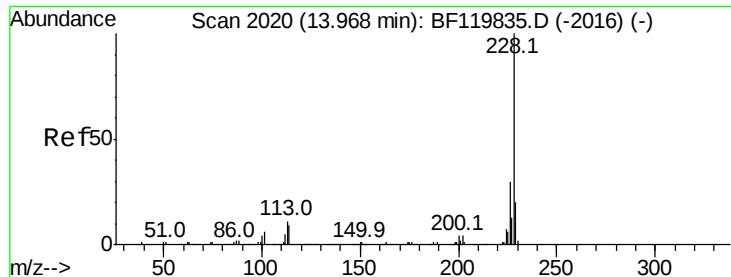


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

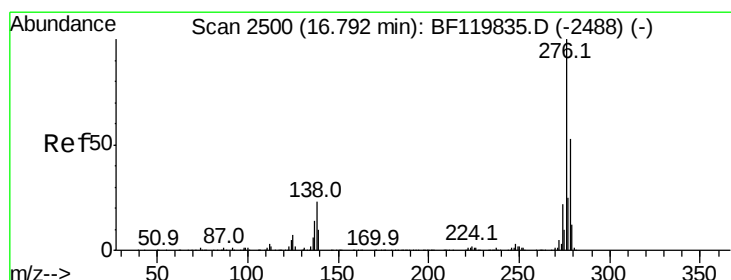
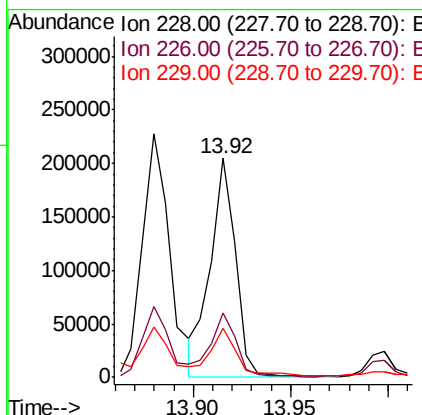
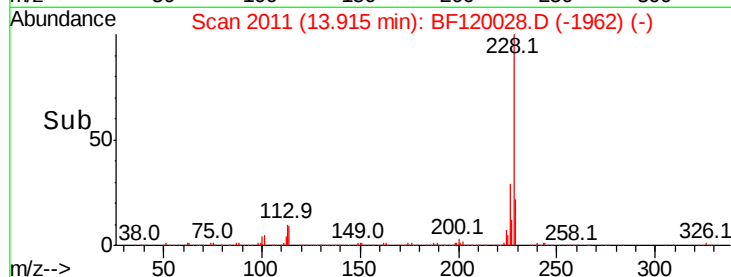
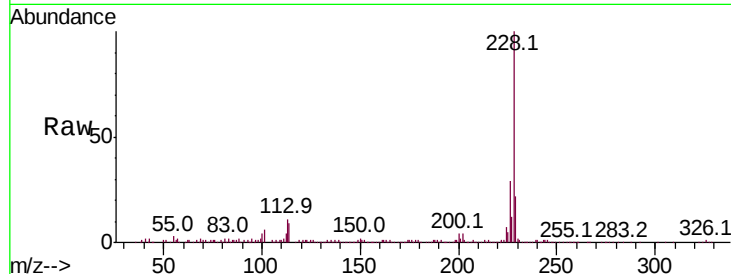




#83
Chrysene
Concen: 11.380 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

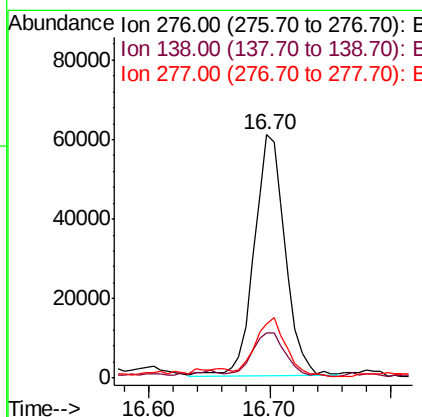
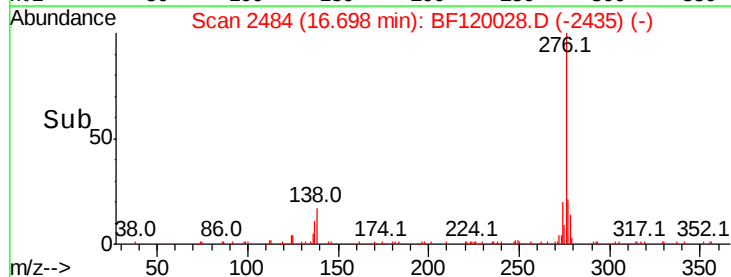
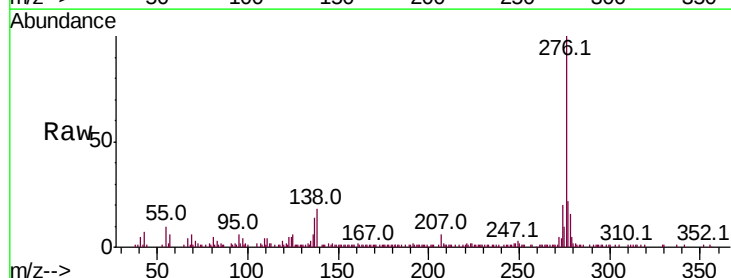
Instrument :
BNA_F
ClientSampleId :
TP-33

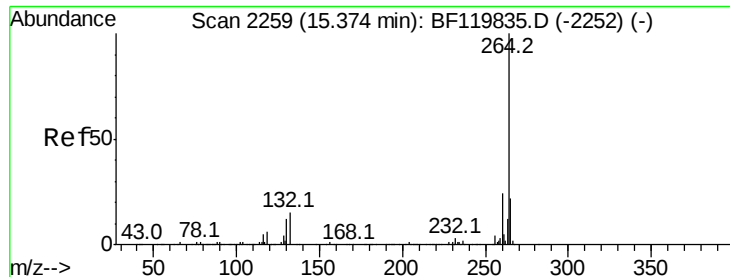
Tot Ion:228 Resp: 184416
Ion Ratio Lower Upper
228 100
226 29.1 24.2 36.2
229 22.4 15.9 23.9



#86
Indeno(1,2,3-cd)pyrene
Concen: 7.602 ng
RT: 16.70 min Scan# 2484
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Tgt Ion:276 Resp: 108603
Ion Ratio Lower Upper
276 100
138 19.1 18.0 27.0
277 24.5 20.1 30.1

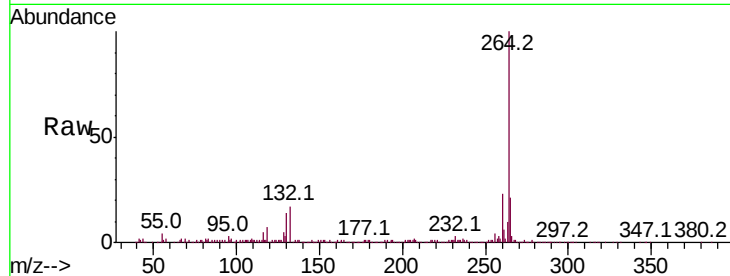




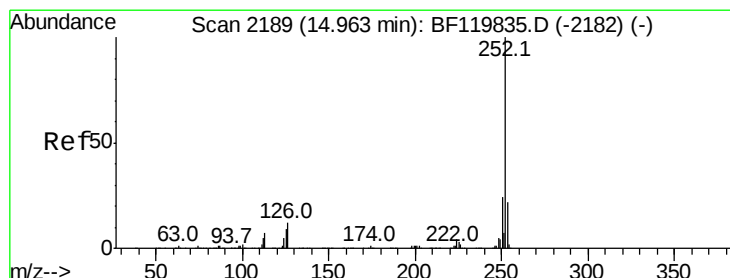
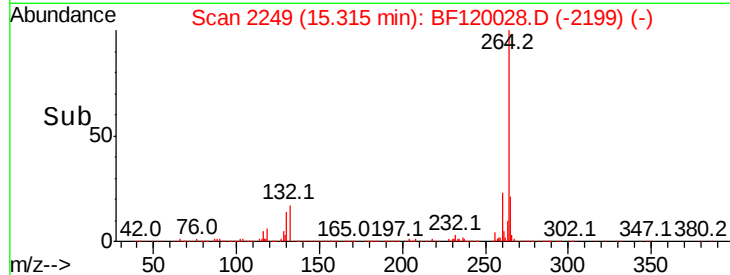
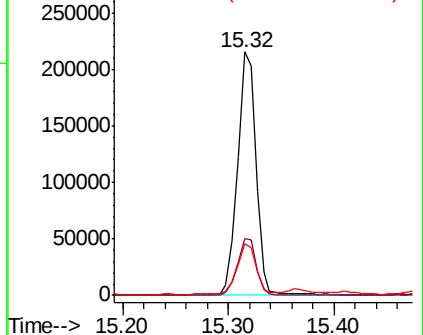
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Instrument :
BNA_F
ClientSampleId :
TP-33

Tot Ion:264 Resp: 258702
Ion Ratio Lower Upper
264 100
260 23.2 19.3 28.9
265 21.1 17.6 26.4

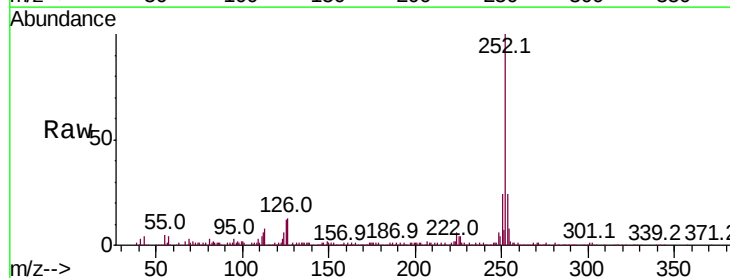


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

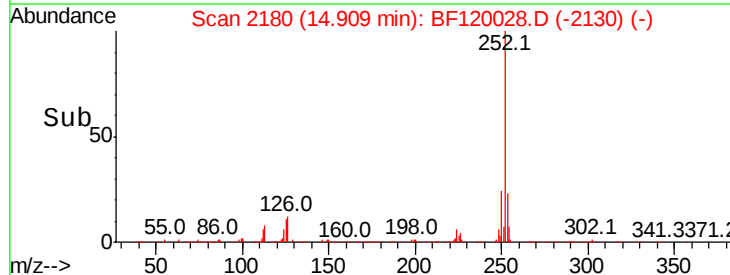
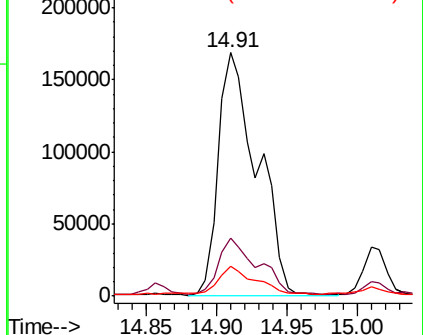


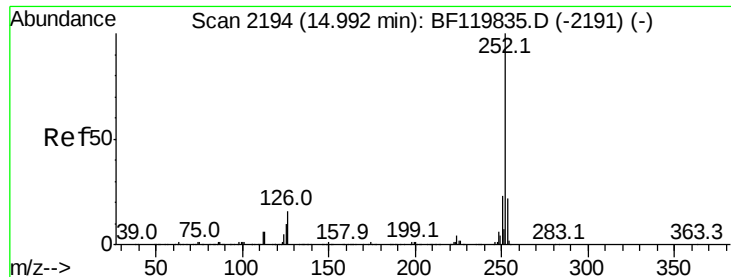
#88
Benzo(b)fluoranthene
Concen: 17.419 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Tgt Ion:252 Resp: 324169
Ion Ratio Lower Upper
252 100
253 23.6 17.7 26.5
125 12.3 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

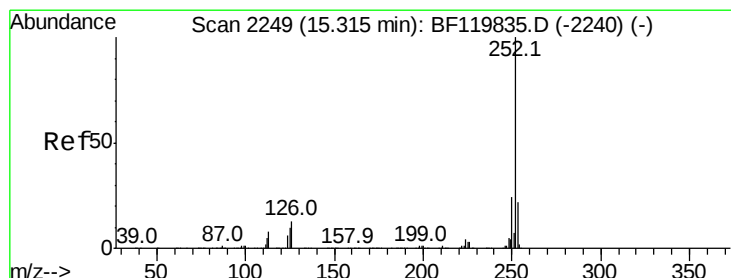
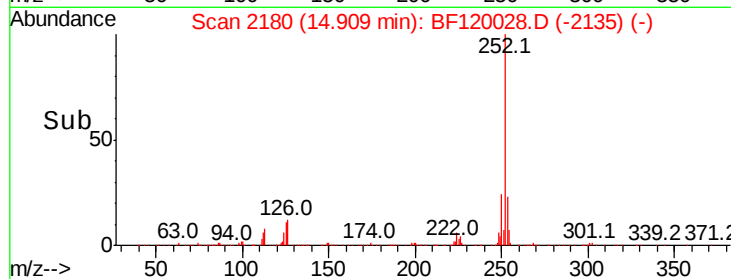
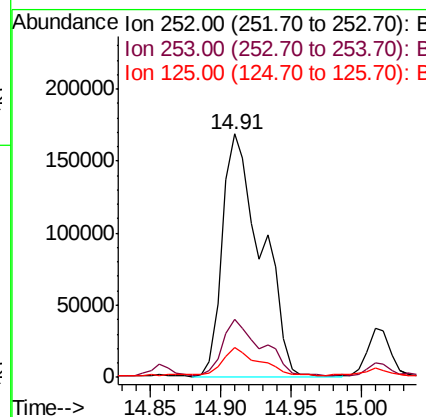
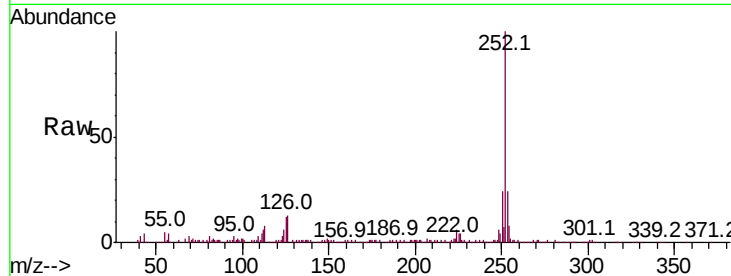




#89
Benzo(k)fluoranthene
Concen: 20.188 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.04 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

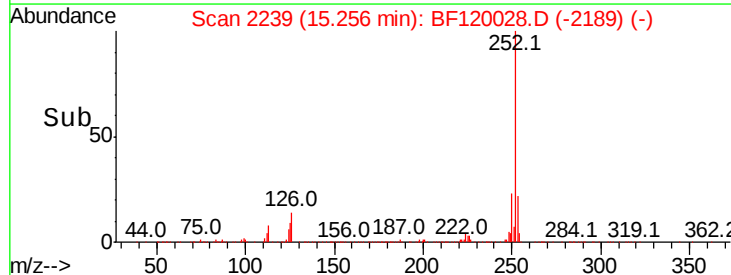
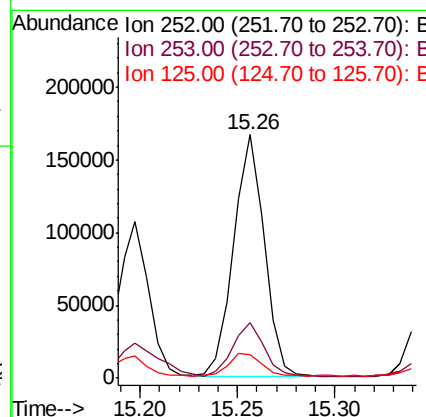
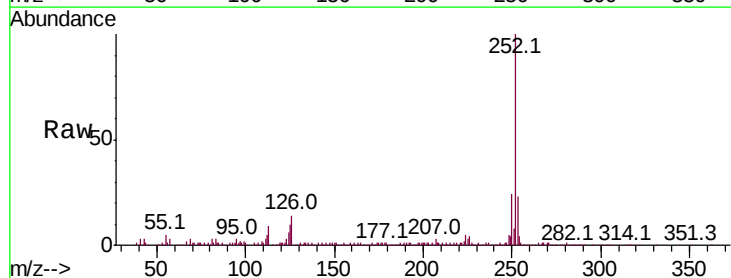
Instrument :
BNA_F
ClientSampleId :
TP-33

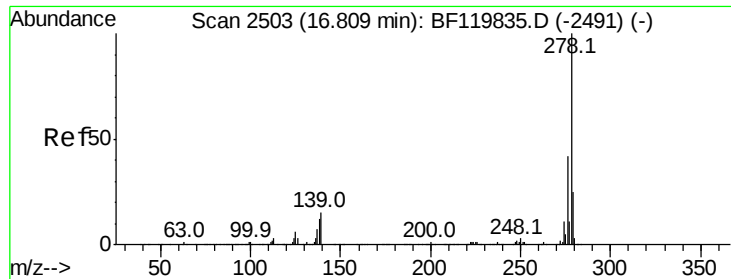
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	12.3	7.7	11.5



#90
Benzo(a)pyrene
Concen: 11.636 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF120028.D
Acq: 16 Apr 2020 11:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	9.9	8.3	12.5





#91

Dibenzo(a,h)anthracene

Concen: 2.020 ng

RT: 16.71 min Scan# 2486

Delta R.T. -0.02 min

Lab File: BF120028.D

Acq: 16 Apr 2020 11:40

Instrument :

BNA_F

ClientSampleId :

TP-33

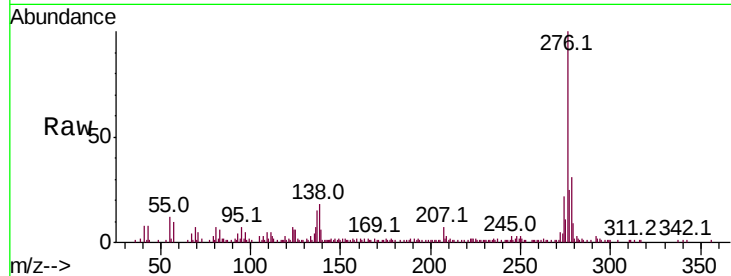
Tot Ion:278 Resp: 28003

Ion Ratio Lower Upper

278 100

139 20.8 11.6 17.4#

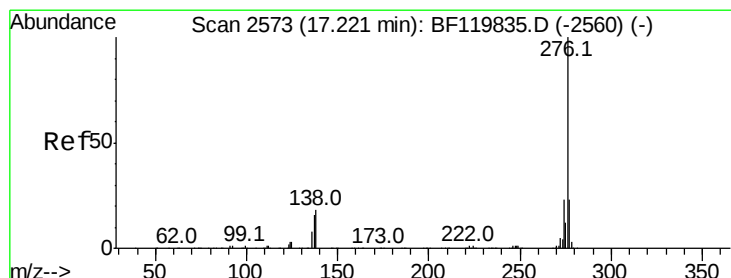
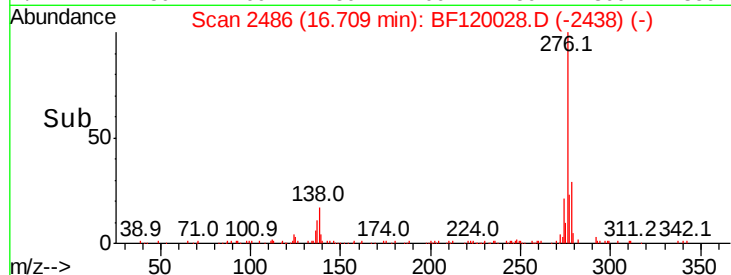
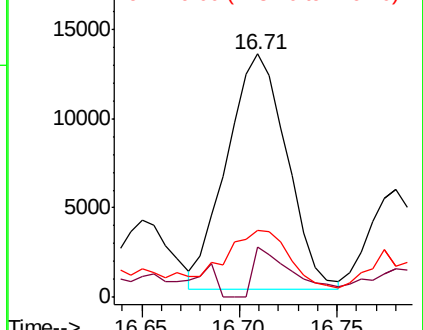
279 27.7 19.7 29.5



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 7.307 ng

RT: 17.12 min Scan# 2556

Delta R.T. -0.01 min

Lab File: BF120028.D

Acq: 16 Apr 2020 11:40

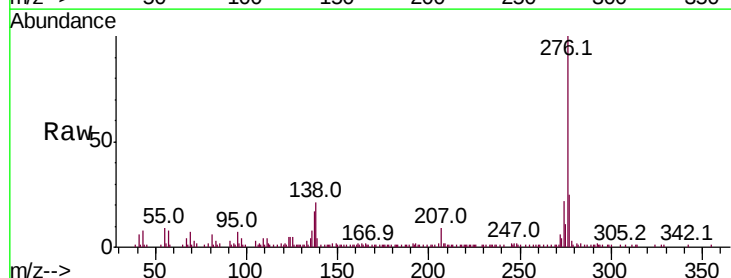
Tgt Ion:276 Resp: 99977

Ion Ratio Lower Upper

276 100

277 24.5 18.5 27.7

138 21.1 14.6 22.0



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

