

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051520\
 Data File : BF120335.D
 Acq On : 15 May 2020 21:35
 Operator : MA/SJ
 Sample : L2505-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-051220

Quant Time: May 16 05:23:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 15 12:31:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	238791	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	1020457	20.00	ng	0.00
39) Acenaphthene-d10	9.65	164	460892	20.00	ng	0.00
64) Phenanthrene-d10	11.13	188	697223	20.00	ng	0.00
76) Chrysene-d12	13.77	240	436035	20.00	ng	0.00
87) Perylene-d12	15.16	264	379573	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.22	112	374682	30.53	ng	0.00
7) Phenol-d6	6.27	99	480606	30.97	ng	0.00
23) Nitrobenzene-d5	7.17	82	303537	20.37	ng	-0.02
42) 2,4,6-Tribromophenol	10.44	330	105784	28.15	ng	0.00
45) 2-Fluorobiphenyl	8.97	172	564928	25.18	ng	0.00
79) Terphenyl-d14	12.72	244	495139	25.09	ng	0.00

Target Compounds

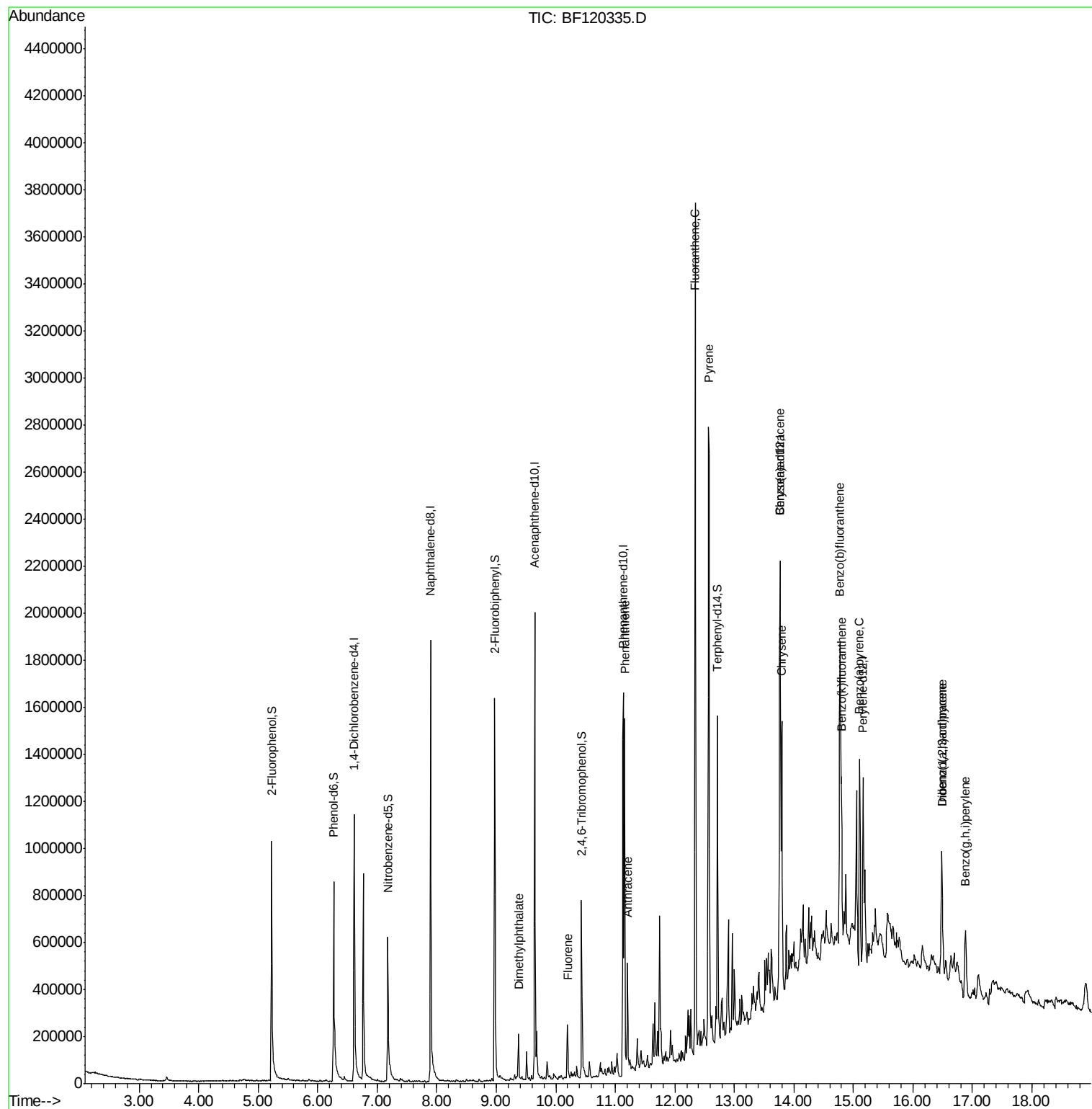
						Qvalue
50) Dimethylphthalate	9.37	163	79885	2.742	ng	99
58) Fluorene	10.20	166	80706	3.318	ng	95
71) Phenanthrene	11.16	178	571373	19.503	ng	98
72) Anthracene	11.20	178	246128	7.847	ng	97
75) Fluoranthene	12.35	202	1577317	50.230	ng	97
78) Pyrene	12.57	202	1285501	41.354	ng	98
81) Benzo(a)anthracene	13.76	228	601529	26.156	ng	98
83) Chrysene	13.80	228	537626	21.770	ng	96
86) Indeno(1,2,3-cd)pyrene	16.49	276	328007m	14.634	ng	
88) Benzo(b)fluoranthene	14.77	252	737229m	35.564	ng	
89) Benzo(k)fluoranthene	14.80	252	215770m	12.014	ng	
90) Benzo(a)pyrene	15.10	252	432061	23.241	ng	97
91) Dibenzo(a,h)anthracene	16.49	278	85259	5.177	ng	# 78
92) Benzo(g,h,i)perylene	16.88	276	256574	15.449	ng	96

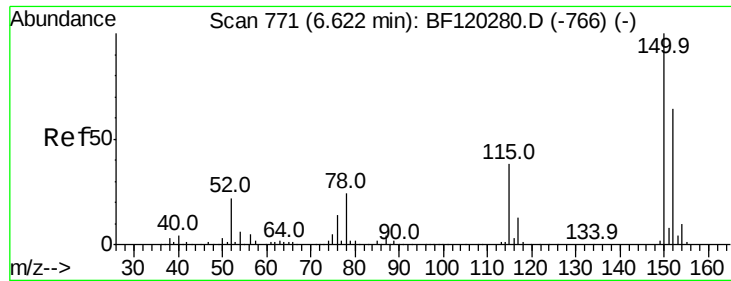
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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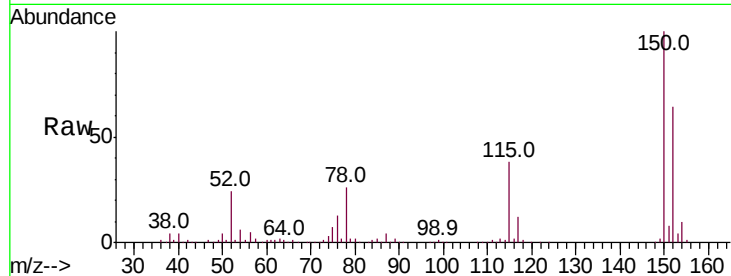


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.61 min Scan# 769
 Delta R.T. -0.01 min
 Lab File: BF120335.D
 Acq: 15 May 2020 21:35

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-051220

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	126.2	189.2
115	59.3	47.9	71.9

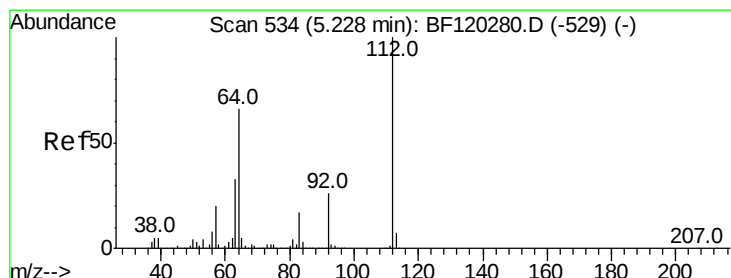
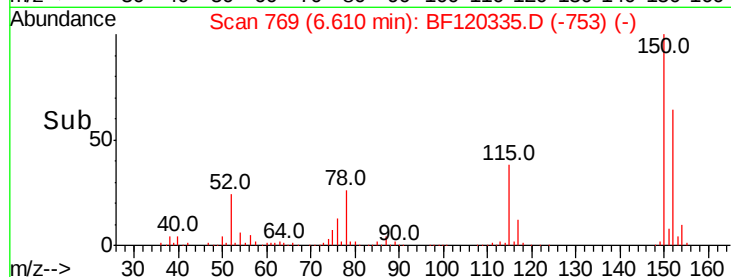
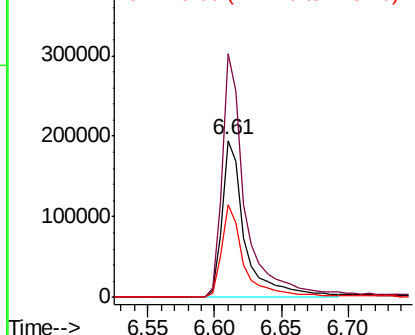


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

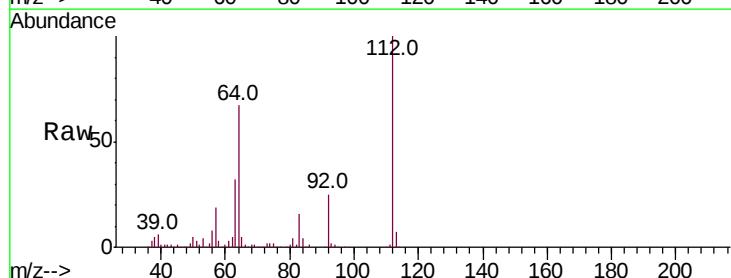
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 30.530 ng
 RT: 5.22 min Scan# 533
 Delta R.T. -0.00 min
 Lab File: BF120335.D
 Acq: 15 May 2020 21:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	52.7	79.1
63	32.2	26.2	39.4

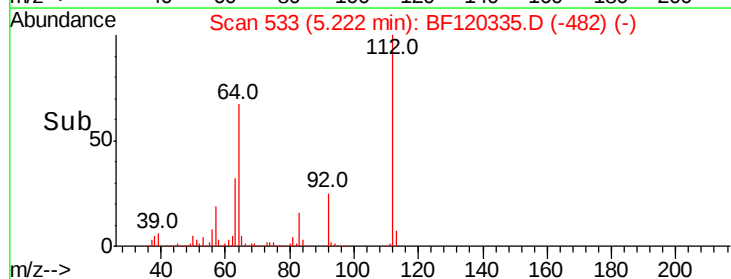
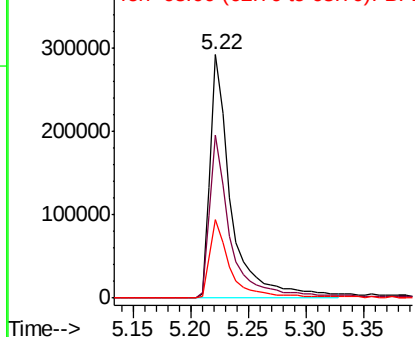


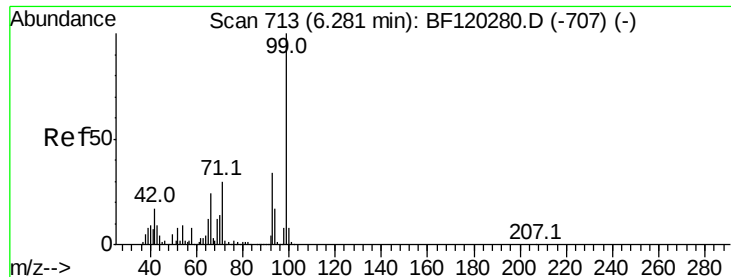
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 30.967 ng

RT: 6.27 min Scan# 711

Delta R.T. -0.01 min

Lab File: BF120335.D

Acq: 15 May 2020 21:35

Instrument :

BNA_F

ClientSampleId :

SU-02-051220

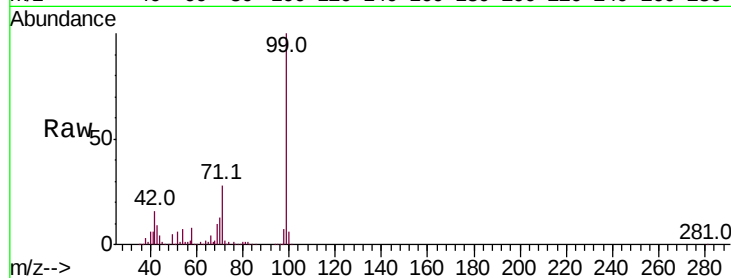
Tot Ion: 99 Resp: 480606

Ion Ratio Lower Upper

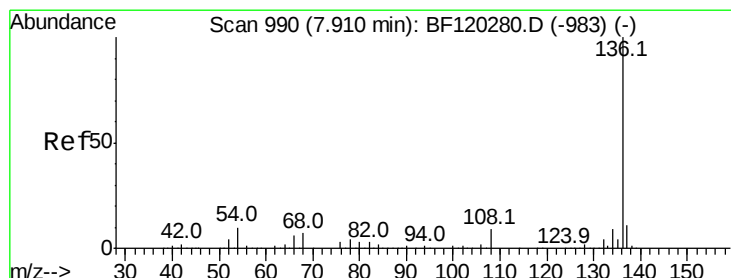
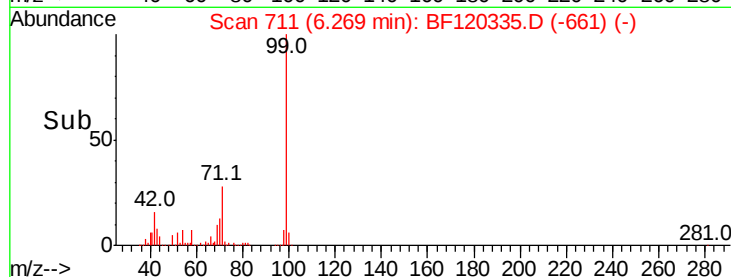
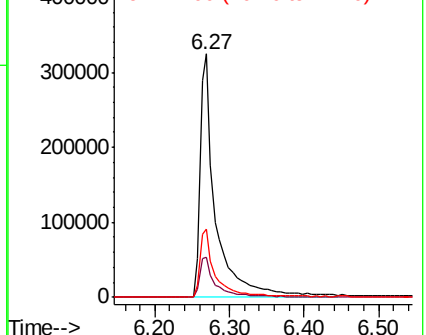
99 100

42 16.5 13.6 20.4

71 28.2 24.2 36.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.90 min Scan# 988

Delta R.T. -0.01 min

Lab File: BF120335.D

Acq: 15 May 2020 21:35

Tgt Ion: 136 Resp: 1020457

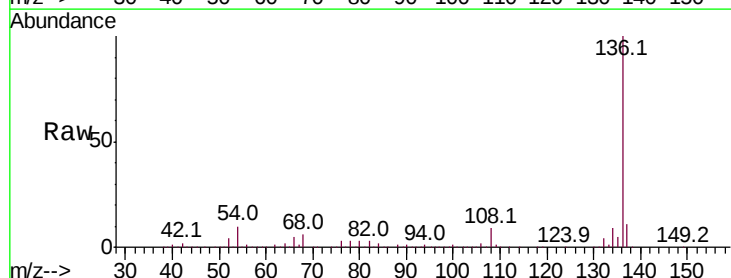
Ion Ratio Lower Upper

136 100

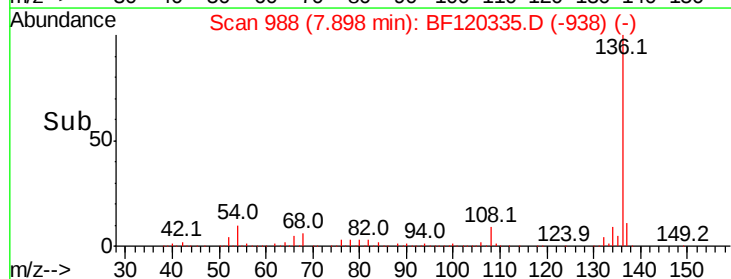
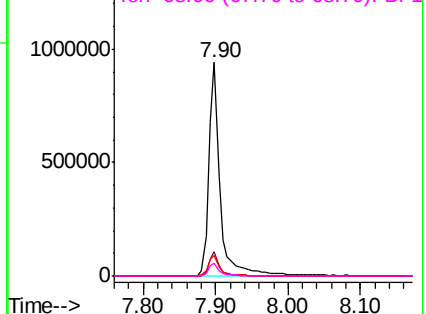
137 11.2 9.1 13.7

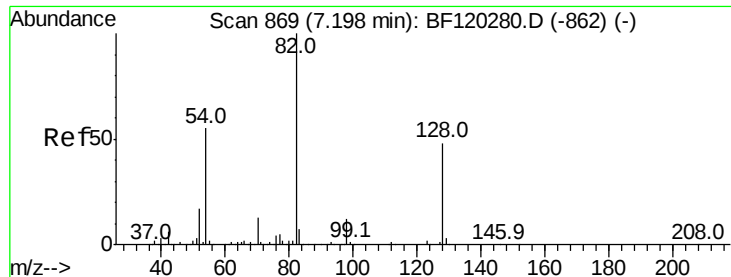
54 9.6 7.9 11.9

68 6.2 5.4 8.2



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

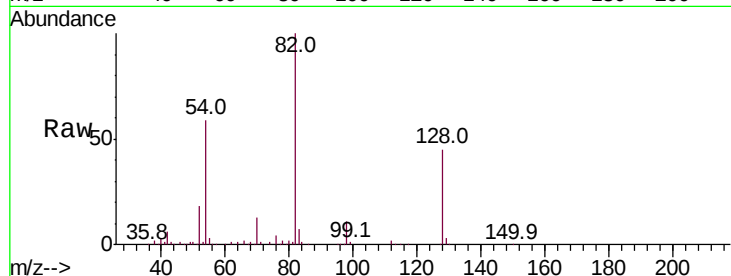




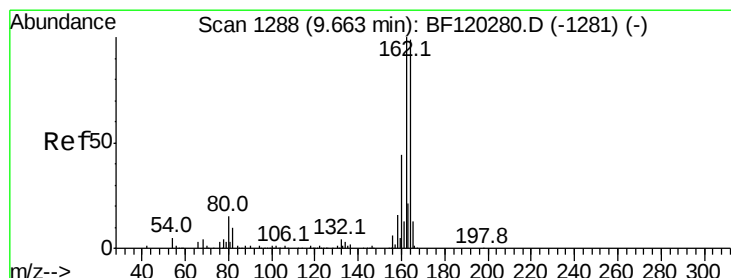
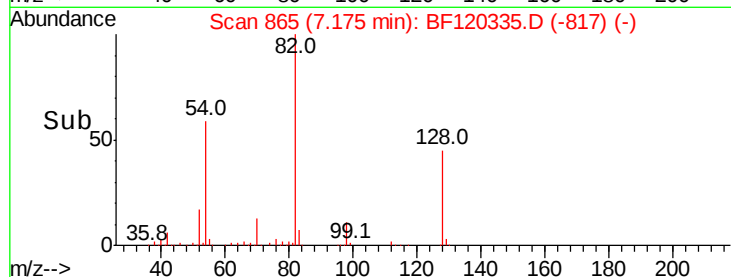
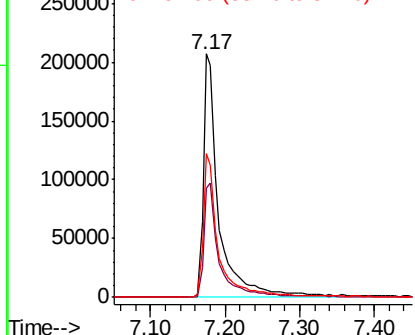
#23
Nitrobenzene-d5
Concen: 20.366 ng
RT: 7.17 min Scan# 865
Delta R.T. -0.02 min
Lab File: BF120335.D
Acq: 15 May 2020 21:35

Instrument :
BNA_F
ClientSampleId :
SU-02-051220

Tot Ion	82	Resp	303537
Ion	Ratio	Lower	Upper
82	100		
128	44.8	38.3	57.5
54	59.1	43.9	65.9

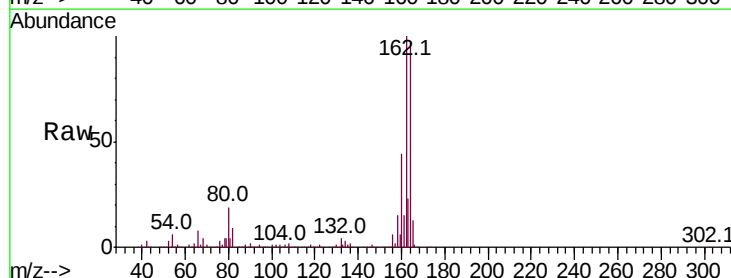


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

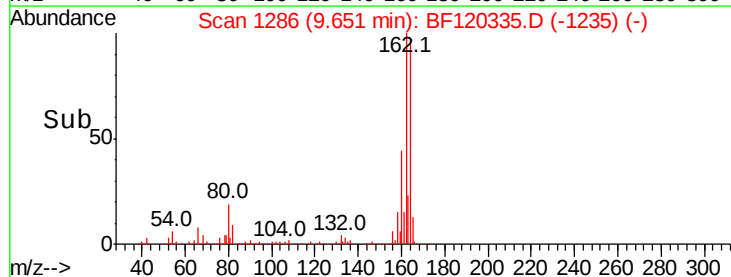
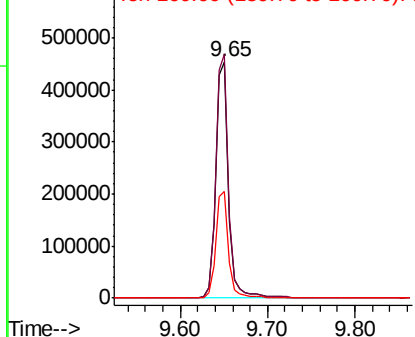


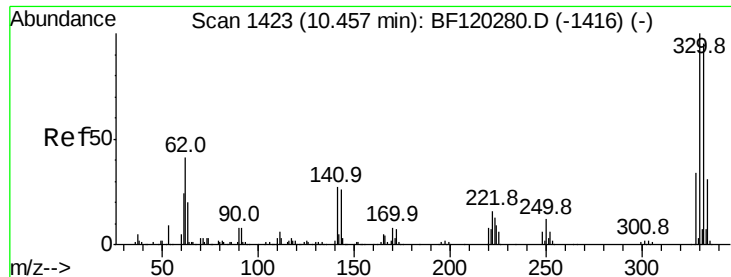
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BF120335.D
Acq: 15 May 2020 21:35

Tgt Ion	164	Resp	460892
Ion	Ratio	Lower	Upper
164	100		
162	102.9	81.2	121.8
160	45.2	35.8	53.6



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

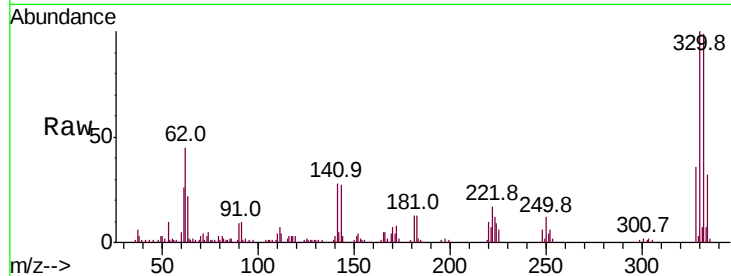




#42
 2,4,6-Tribromophenol
 Concen: 28.150 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF120335.D
 Acq: 15 May 2020 21:35

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-051220

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.5	114.7
141	34.6	25.4	38.0

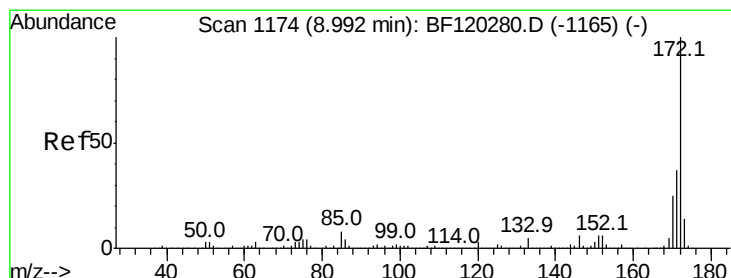
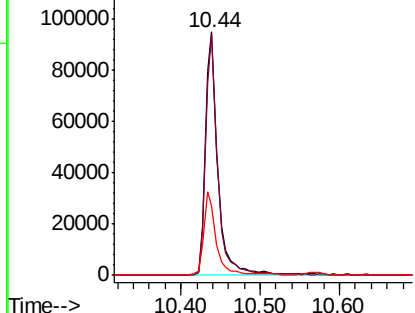
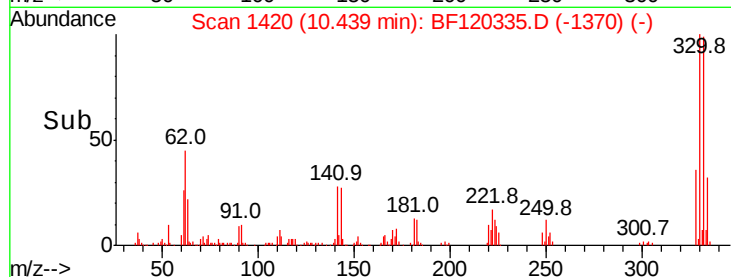


Abundance

Ion 329.80 (329.50 to 330.50): E

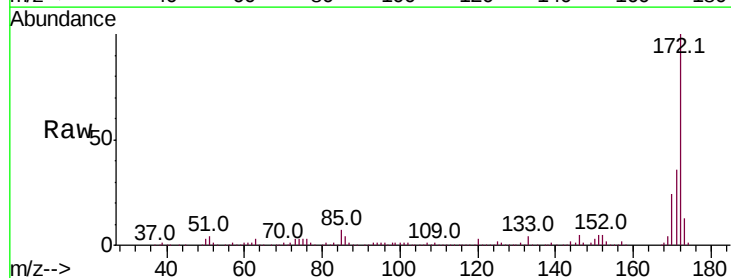
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 25.182 ng
 RT: 8.97 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: BF120335.D
 Acq: 15 May 2020 21:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.9	19.9	29.9

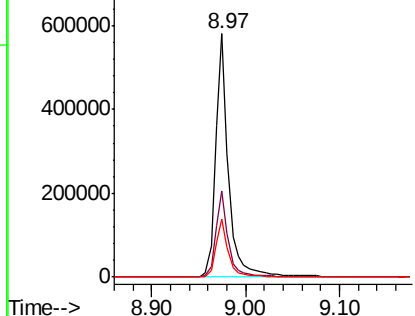
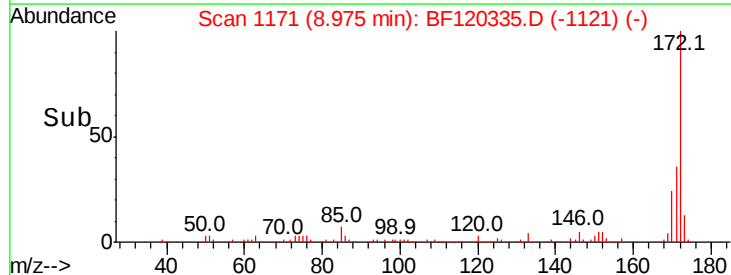


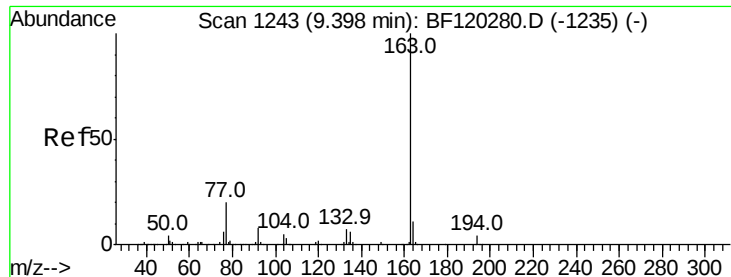
Abundance

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: 2.742 ng

RT: 9.37 min Scan# 1239

Delta R.T. -0.01 min

Lab File: BF120335.D

Acq: 15 May 2020 21:35

Instrument :

BNA_F

ClientSampleId :

SU-02-051220

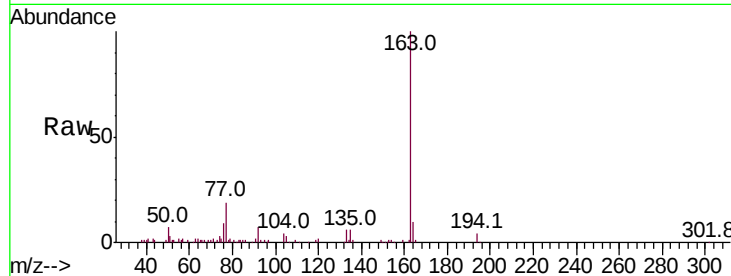
Tot Ion:163 Resp: 79885

Ion Ratio Lower Upper

163 100

194 3.7 3.1 4.7

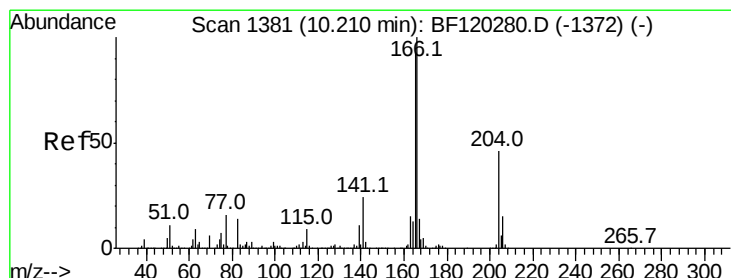
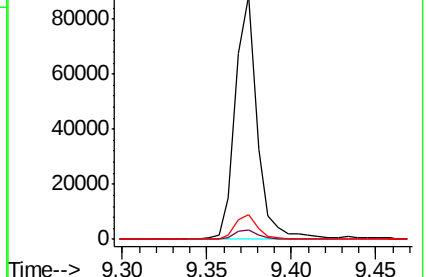
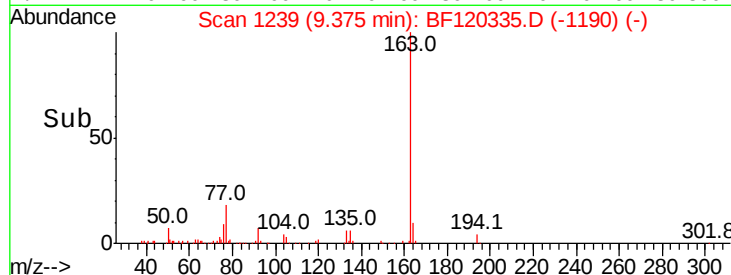
164 10.3 8.6 12.8



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



#58

Fluorene

Concen: 3.318 ng

RT: 10.20 min Scan# 1379

Delta R.T. -0.01 min

Lab File: BF120335.D

Acq: 15 May 2020 21:35

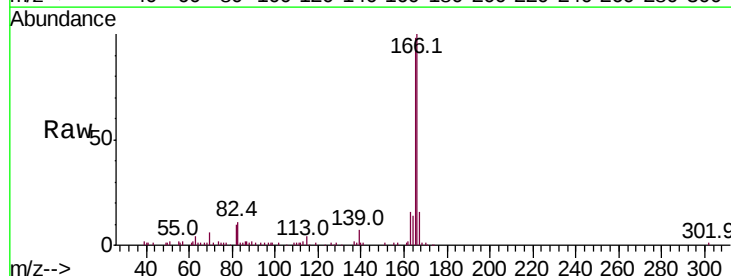
Tgt Ion:166 Resp: 80706

Ion Ratio Lower Upper

166 100

165 98.2 74.7 112.1

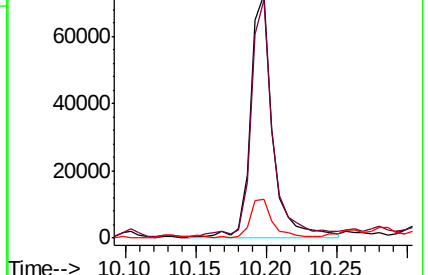
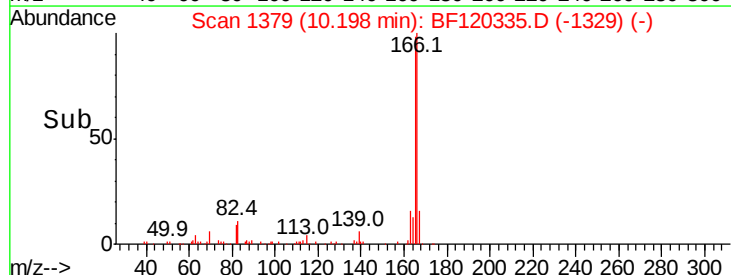
167 15.8 11.4 17.0

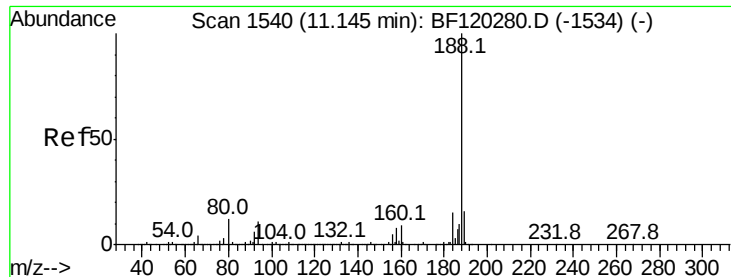


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

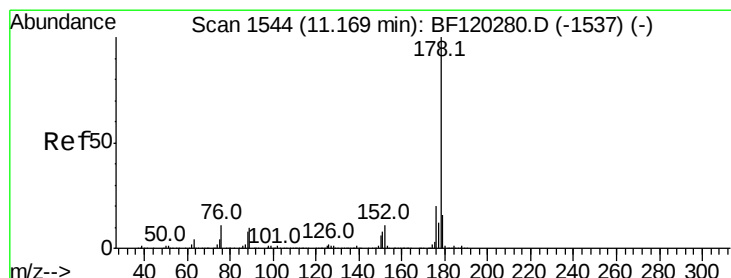
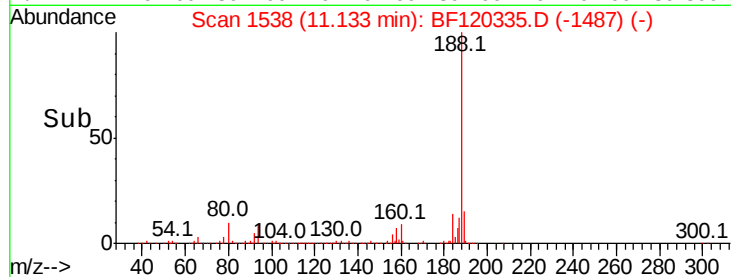
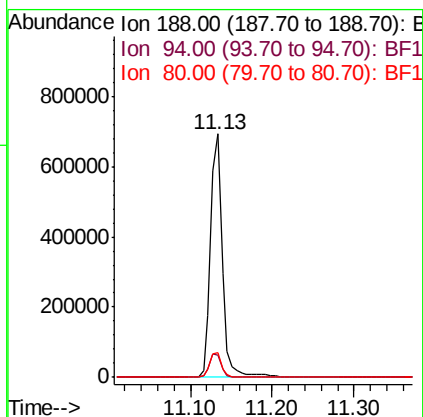
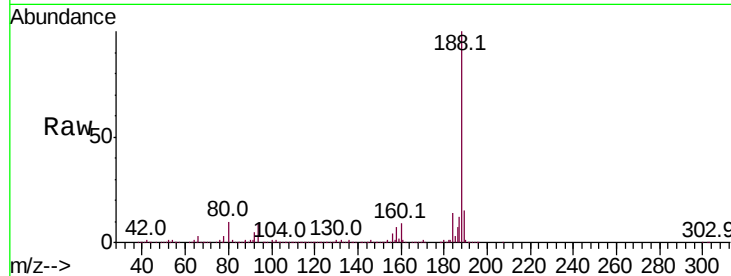




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.13 min Scan# 1538
 Delta R.T. -0.00 min
 Lab File: BF120335.D
 Acq: 15 May 2020 21:35

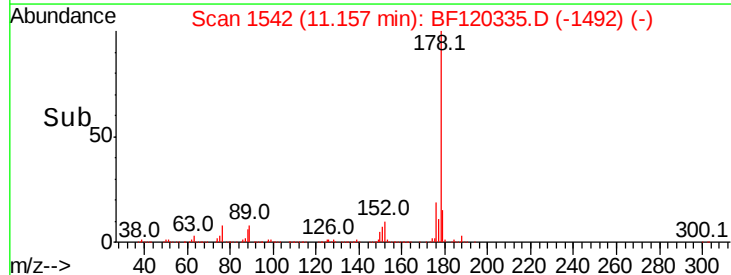
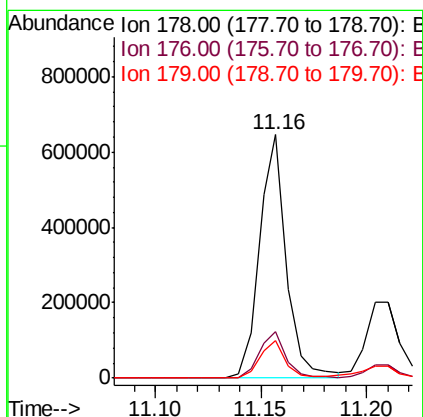
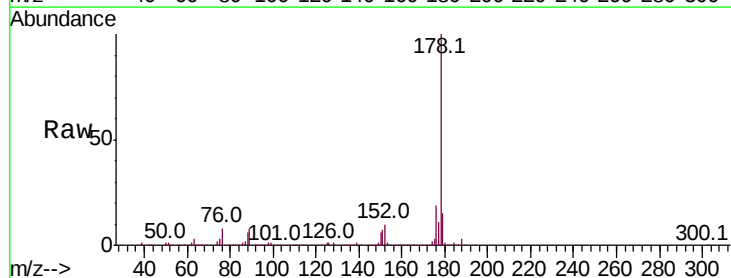
Instrument :
 BNA_F
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 SU-02-051220

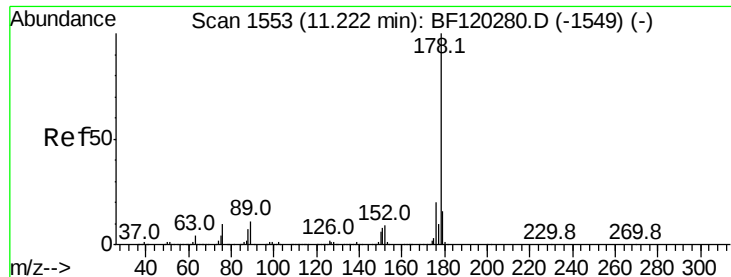
Tot Ion:188 Resp: 697223
 Ion Ratio Lower Upper
 188 100
 94 9.2 8.6 13.0
 80 10.4 9.2 13.8



#71
 Phenanthrene
 Concen: 19.503 ng
 RT: 11.16 min Scan# 1542
 Delta R.T. -0.01 min
 Lab File: BF120335.D
 Acq: 15 May 2020 21:35

Tgt Ion:178 Resp: 571373
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.8 23.8
 179 15.3 12.8 19.2





#72

Anthracene

Concen: 7.847 ng

RT: 11.20 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BF120335.D

Acq: 15 May 2020 21:35

Instrument :

BNA_F

ClientSampleId :

SU-02-051220

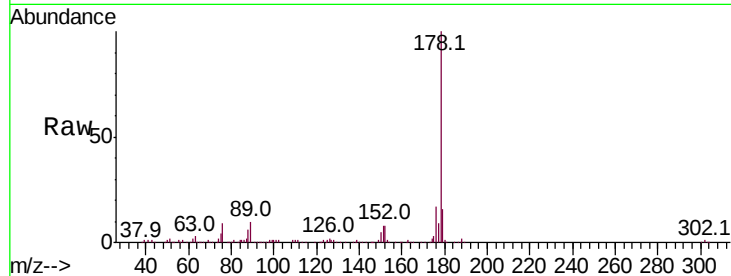
Tot Ion:178 Resp: 246128

Ion Ratio Lower Upper

178 100

176 17.5 15.7 23.5

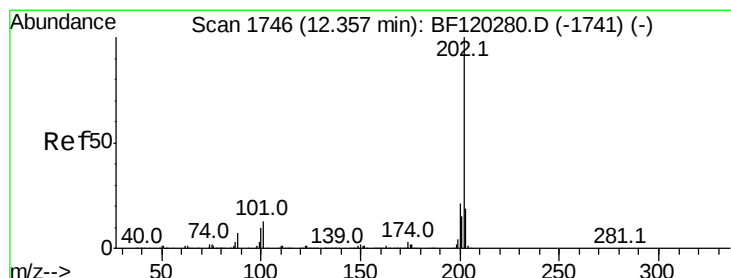
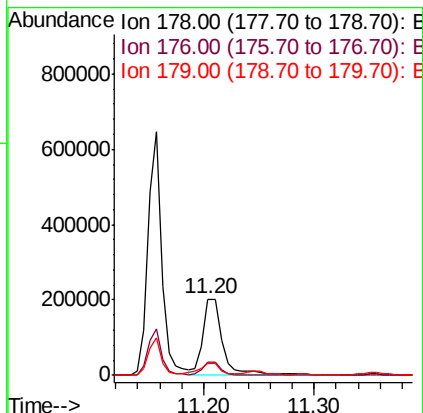
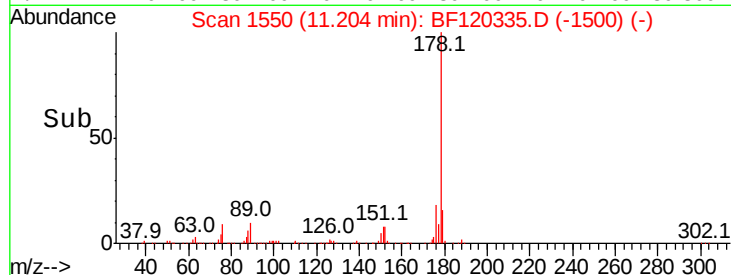
179 16.1 13.0 19.6



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: 50.230 ng

RT: 12.35 min Scan# 1744

Delta R.T. -0.00 min

Lab File: BF120335.D

Acq: 15 May 2020 21:35

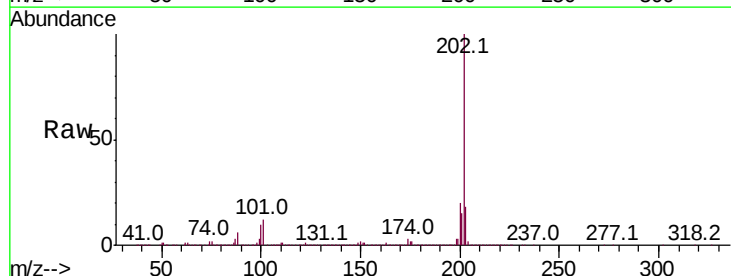
Tgt Ion:202 Resp: 1577317

Ion Ratio Lower Upper

202 100

101 12.2 0.0 33.2

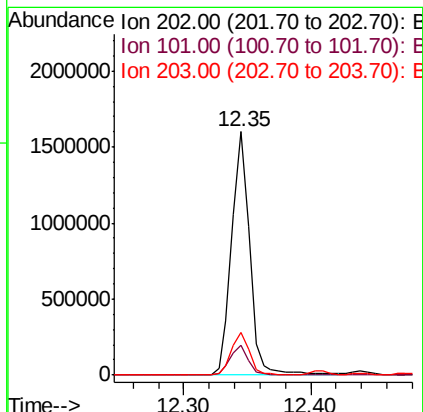
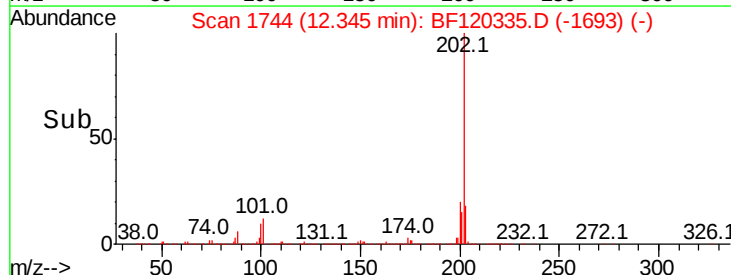
203 17.7 0.0 39.1

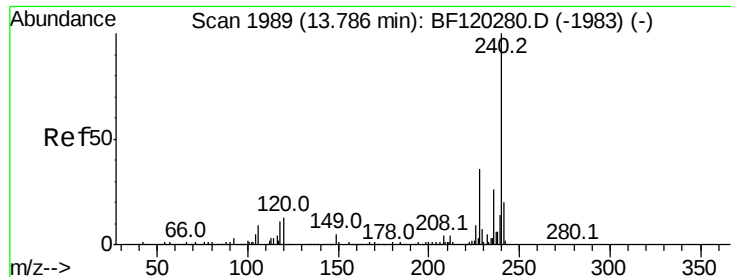


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

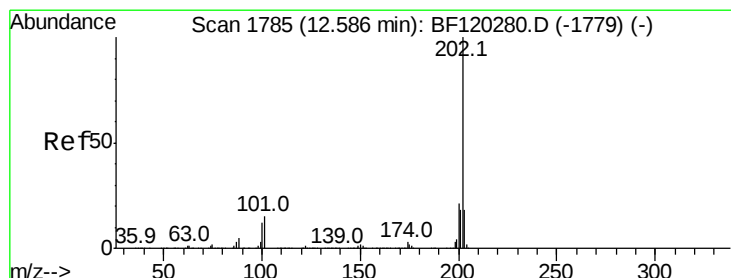
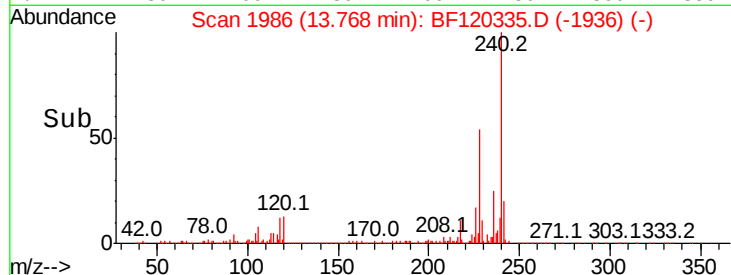
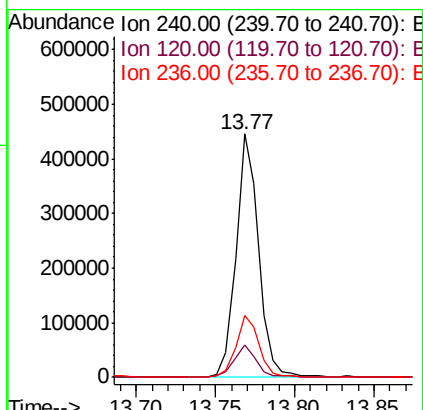
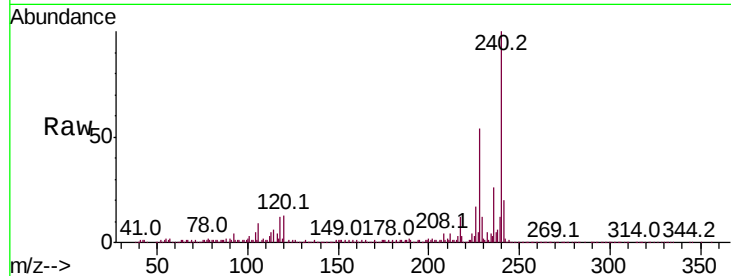




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.77 min Scan# 1986
Delta R.T. -0.01 min
Lab File: BF120335.D
Acq: 15 May 2020 21:35

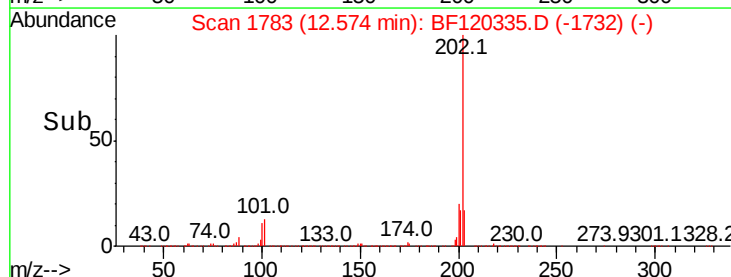
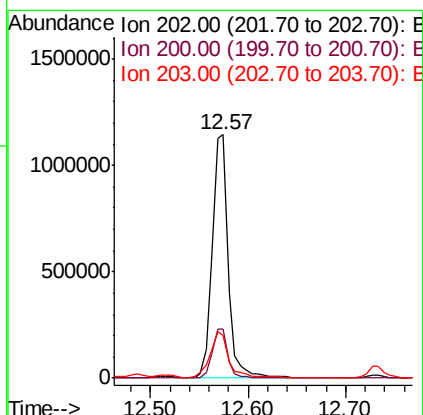
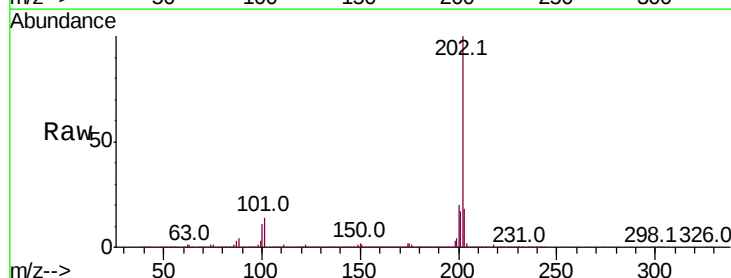
Instrument :
BNA_F
ClientSampleId :
SU-02-051220

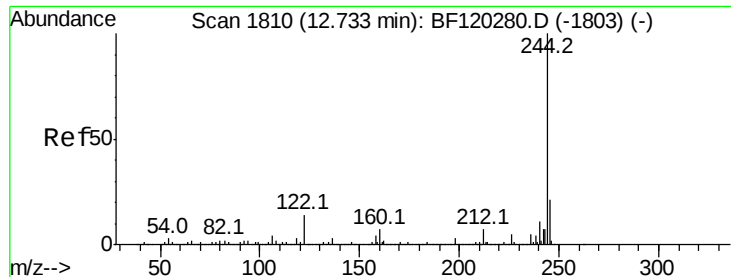
Tot Ion:240 Resp: 436035
Ion Ratio Lower Upper
240 100
120 13.3 10.4 15.6
236 25.6 21.0 31.6



#78
Pyrene
Concen: 41.354 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.00 min
Lab File: BF120335.D
Acq: 15 May 2020 21:35

Tgt Ion:202 Resp: 1285501
Ion Ratio Lower Upper
202 100
200 19.9 16.6 25.0
203 17.6 14.6 22.0





#79

Terphenyl-d14

Concen: 25.087 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.01 min

Lab File: BF120335.D

Acq: 15 May 2020 21:35

Instrument :

BNA_F

ClientSampleId :

SU-02-051220

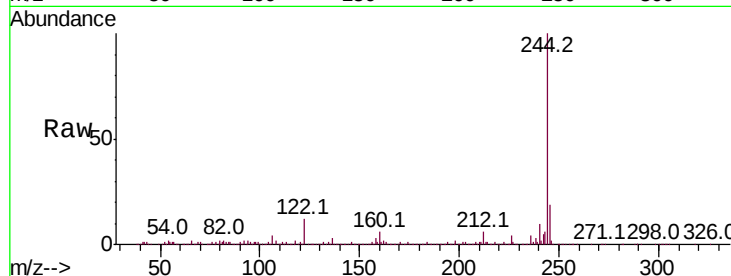
Tot Ion:244 Resp: 495139

Ion Ratio Lower Upper

244 100

212 5.9 5.8 8.6

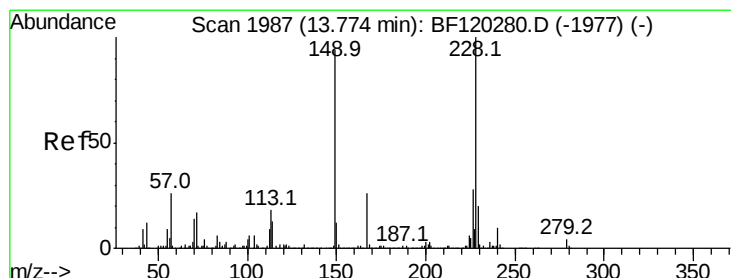
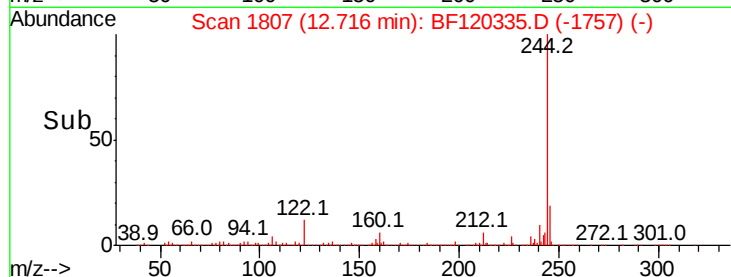
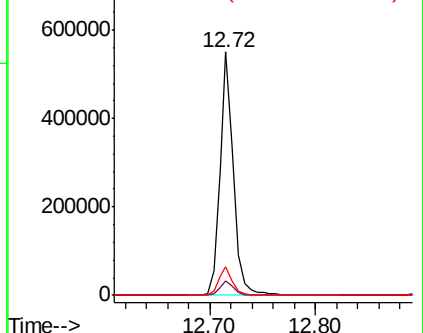
122 11.8 10.8 16.2



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: 26.156 ng

RT: 13.76 min Scan# 1985

Delta R.T. -0.00 min

Lab File: BF120335.D

Acq: 15 May 2020 21:35

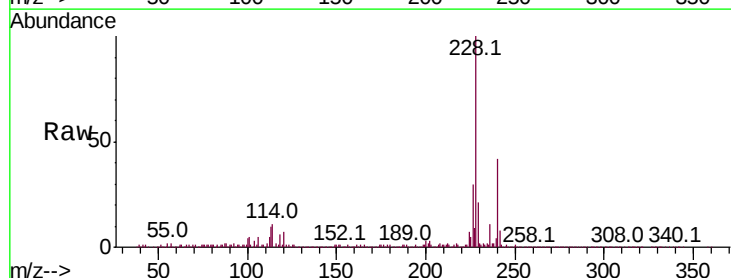
Tgt Ion:228 Resp: 601529

Ion Ratio Lower Upper

228 100

226 29.7 22.6 33.8

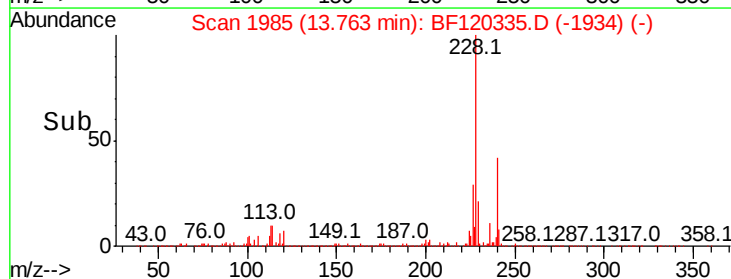
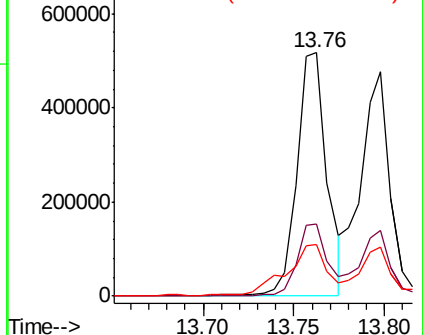
229 21.4 16.4 24.6

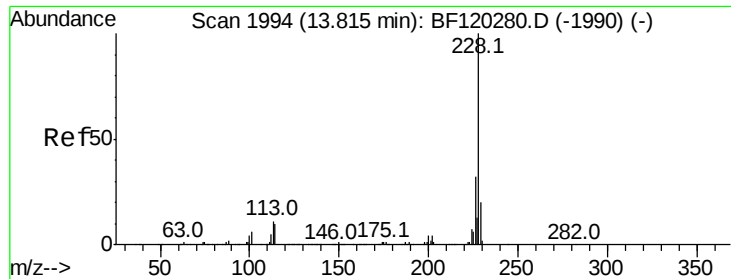


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 21.770 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BF120335.D

Acq: 15 May 2020 21:35

Instrument :

BNA_F

ClientSampleId :

SU-02-051220

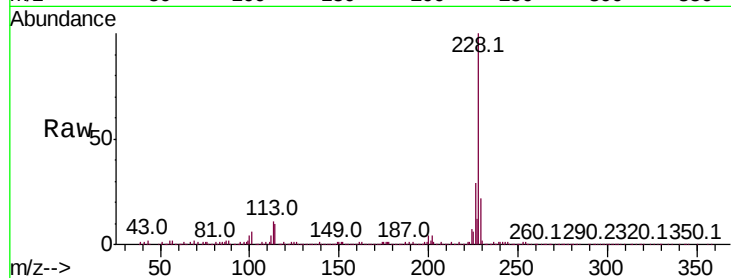
Tot Ion:228 Resp: 537626

Ion Ratio Lower Upper

228 100

226 29.3 25.0 37.6

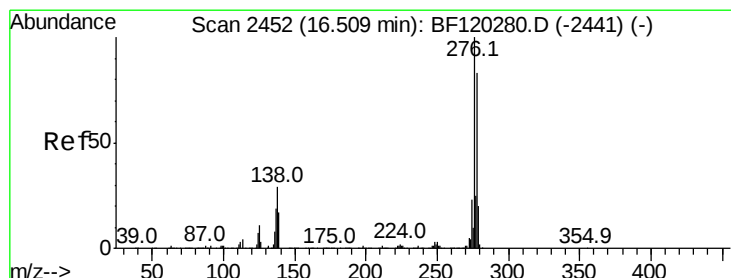
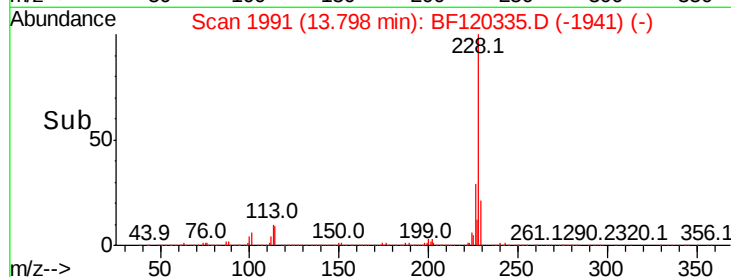
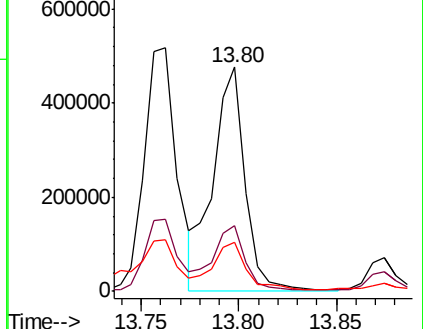
229 21.9 16.2 24.4



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 14.634 ng m

RT: 16.49 min Scan# 2448

Delta R.T. -0.01 min

Lab File: BF120335.D

Acq: 15 May 2020 21:35

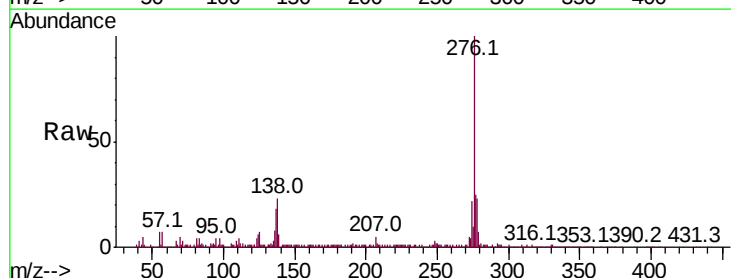
Tgt Ion:276 Resp: 328007

Ion Ratio Lower Upper

276 100

138 4.9 23.3 34.9#

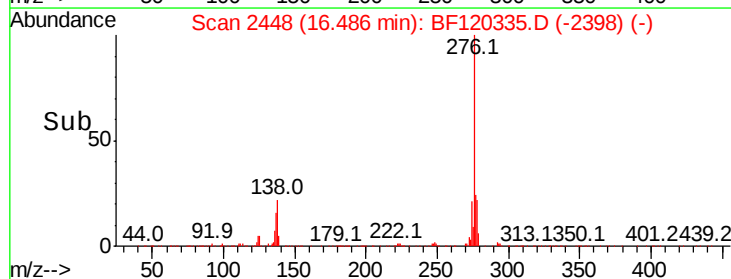
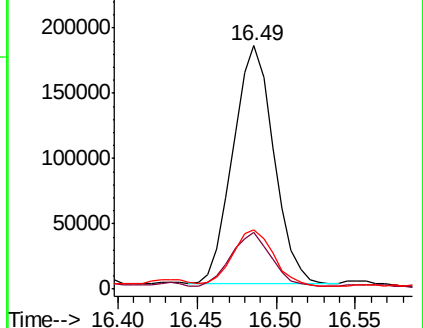
277 4.5 20.2 30.4#

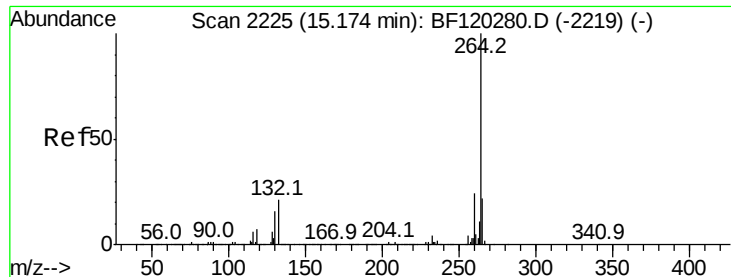


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.16 min Scan# 2223

Delta R.T. -0.00 min

Lab File: BF120335.D

Acq: 15 May 2020 21:35

Instrument :

BNA_F

ClientSampleId :

SU-02-051220

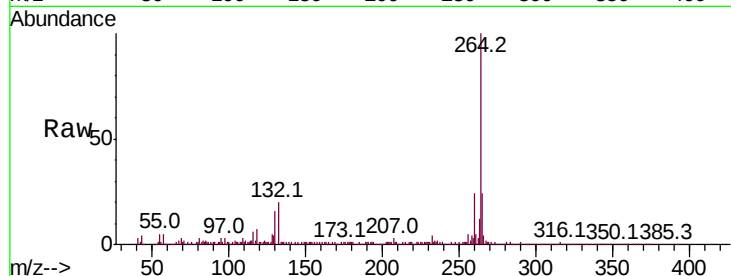
Tot Ion:264 Resp: 379573

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.6

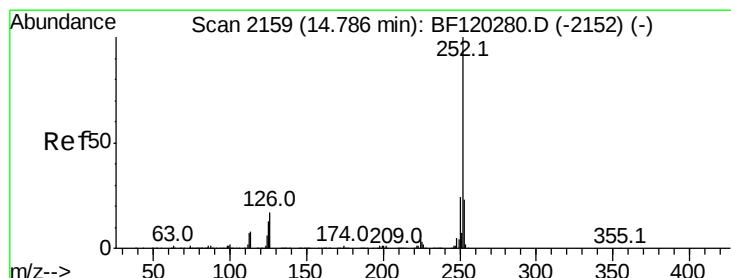
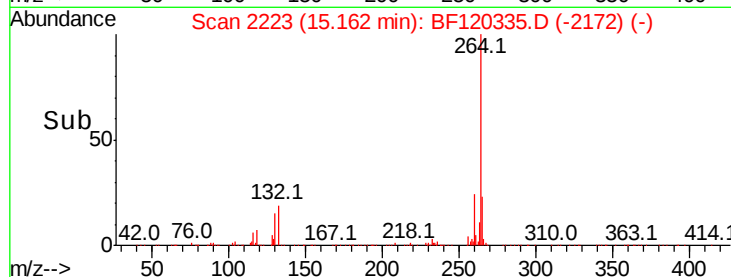
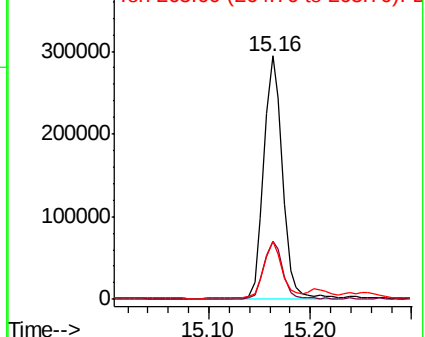
265 23.7 17.5 26.3



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: 35.564 ng m

RT: 14.77 min Scan# 2157

Delta R.T. -0.01 min

Lab File: BF120335.D

Acq: 15 May 2020 21:35

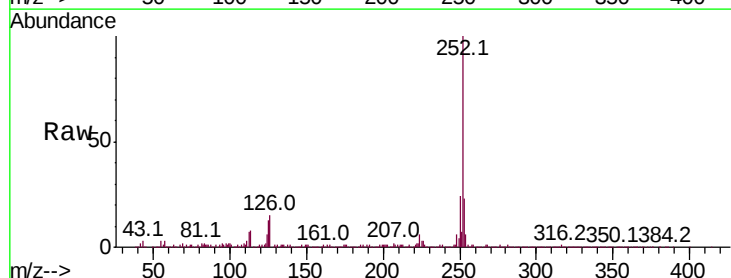
Tgt Ion:252 Resp: 737229

Ion Ratio Lower Upper

252 100

253 23.0 18.1 27.1

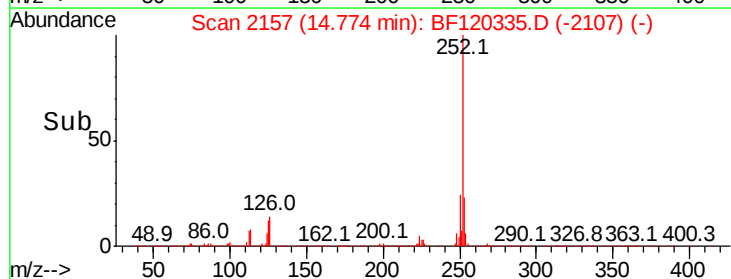
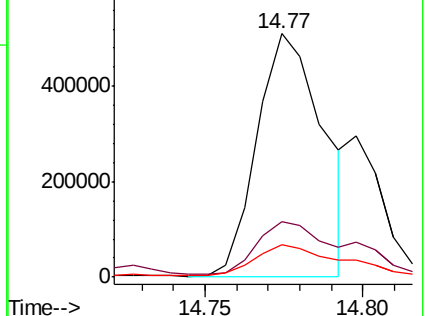
125 13.2 10.4 15.6

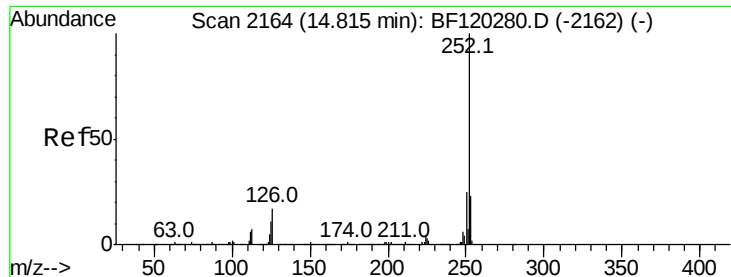


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

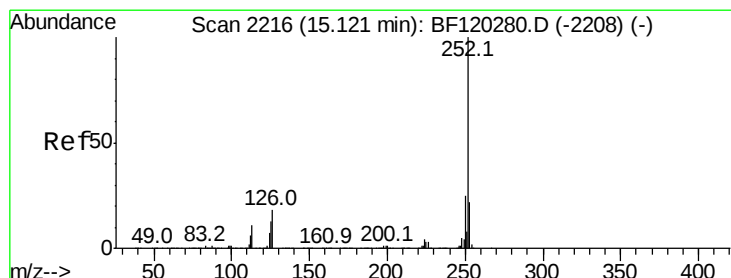
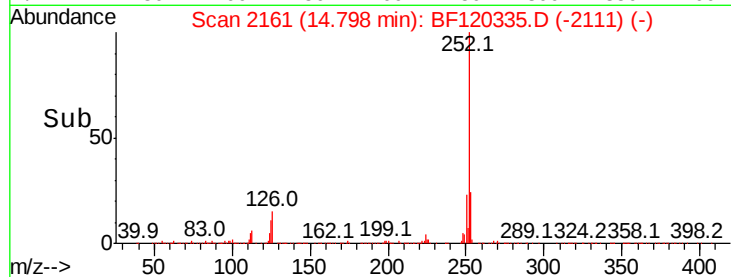
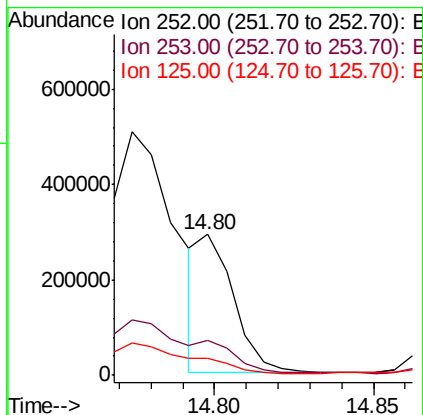
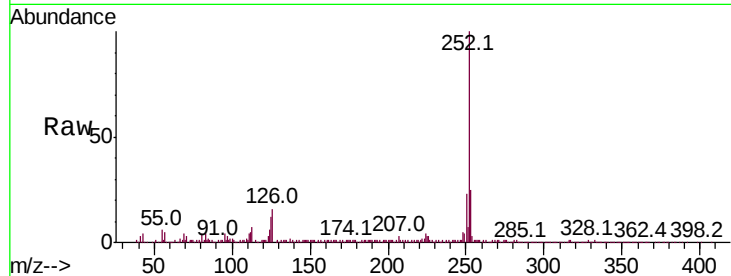




#89
Benzo(k)fluoranthene
Concen: 12.014 ng m
RT: 14.80 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BF120335.D
Acq: 15 May 2020 21:35

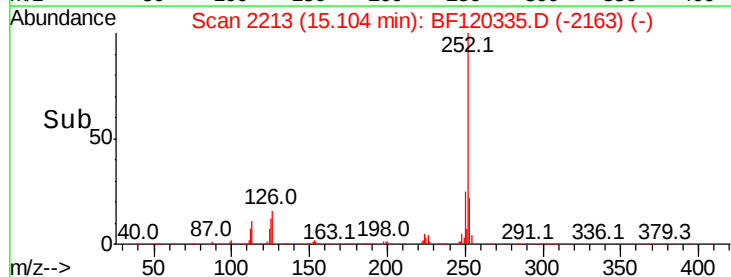
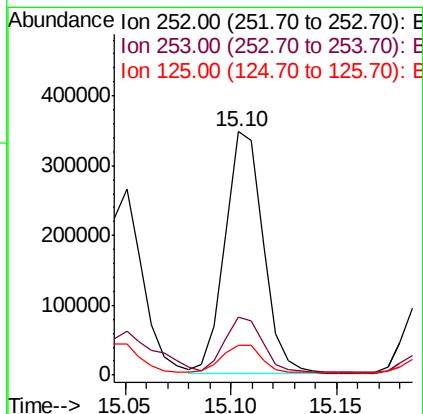
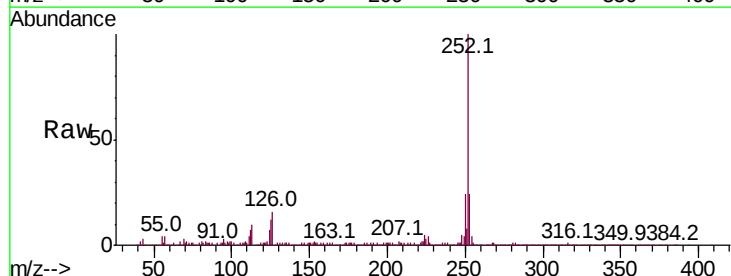
Instrument :
BNA_F
ClientSampleId :
SU-02-051220

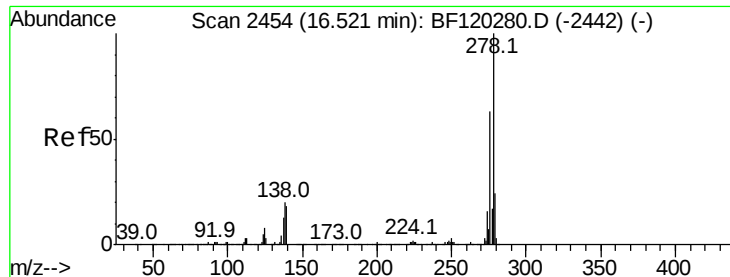
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.2	27.2
125	12.3	9.9	14.9



#90
Benzo(a)pyrene
Concen: 23.241 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF120335.D
Acq: 15 May 2020 21:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.6	26.4
125	12.5	10.6	16.0





#91

Dibenzo(a,h)anthracene

Concen: 5.177 ng

RT: 16.49 min Scan# 2449

Delta R.T. -0.01 min

Lab File: BF120335.D

Acq: 15 May 2020 21:35

Instrument :

BNA_F

ClientSampleId :

SU-02-051220

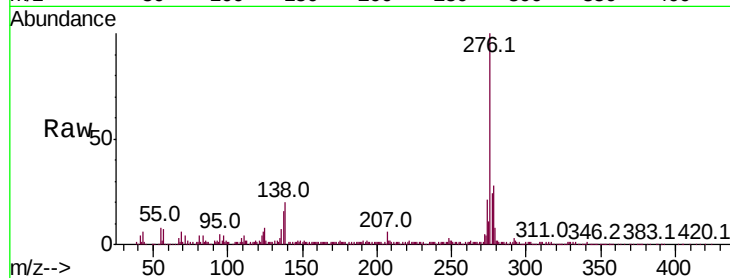
Tot Ion:278 Resp: 85259

Ion Ratio Lower Upper

278 100

139 0.0 14.7 22.1#

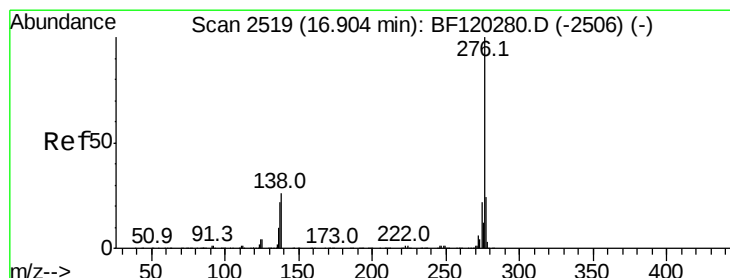
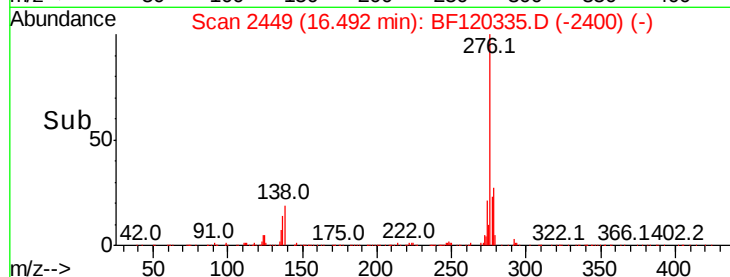
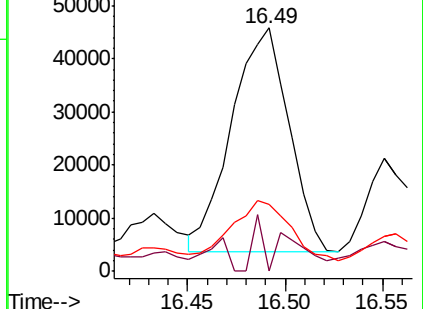
279 27.5 19.2 28.8



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: 15.449 ng

RT: 16.88 min Scan# 2515

Delta R.T. -0.01 min

Lab File: BF120335.D

Acq: 15 May 2020 21:35

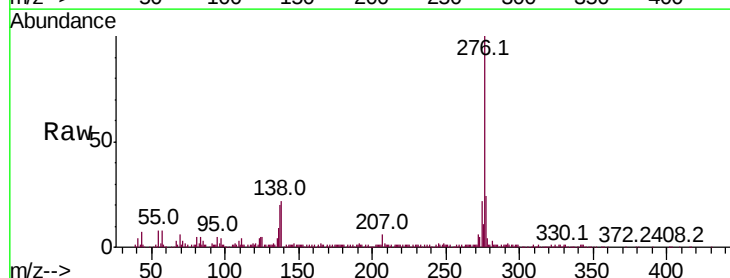
Tgt Ion:276 Resp: 256574

Ion Ratio Lower Upper

276 100

277 23.6 19.1 28.7

138 22.2 20.8 31.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

