

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050120\
 Data File : BF120274.D
 Acq On : 1 May 2020 22:36
 Operator : MA/SJ
 Sample : L2441-01DL 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 02 01:13:00 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 01 15:26:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	71282	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	260884	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	122356	20.00	ng	-0.01
64) Phenanthrene-d10	11.17	188	208858	20.00	ng	0.00
76) Chrysene-d12	13.82	240	179205	20.00	ng	0.00
87) Perylene-d12	15.22	264	181613	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.27	112	32012	7.76	ng	0.00
7) Phenol-d6	6.31	99	44411	8.36	ng	0.00
23) Nitrobenzene-d5	7.21	82	22927	4.55	ng	-0.02
42) 2,4,6-Tribromophenol	10.48	330	6939	4.63	ng	-0.01
45) 2-Fluorobiphenyl	9.01	172	59935	6.95	ng	-0.01
79) Terphenyl-d14	12.76	244	58661	5.51	ng	-0.01

Target Compounds

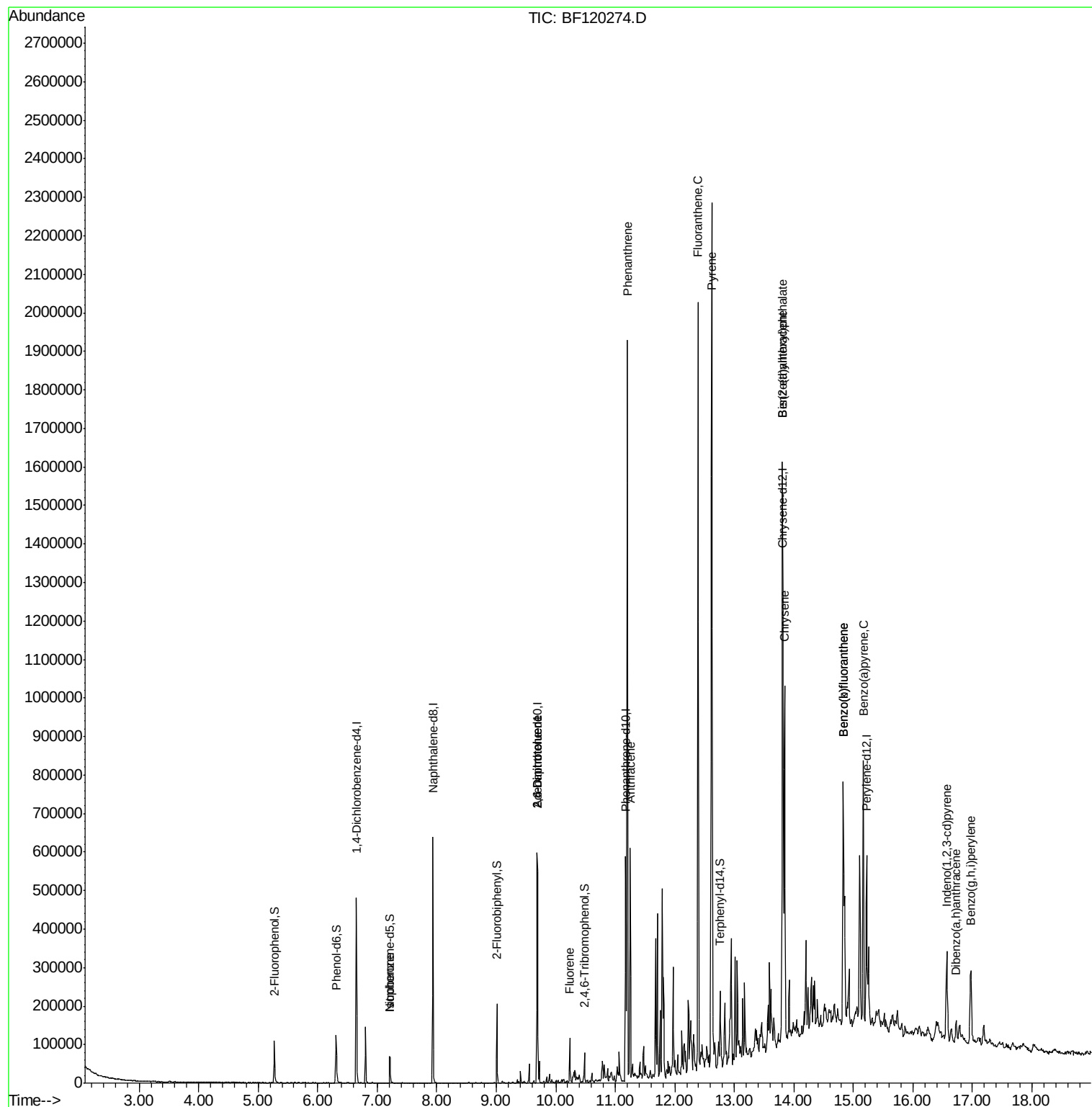
						Qvalue
9) Benzaldehyde	5.92	77	127	Below Cal	#	1
25) Isophorone	7.21	82	22926	2.358 ng	#	65
51) 2,6-Dinitrotoluene	9.69	165	15406	7.434 ng	#	25
57) 2,4-Dinitrotoluene	9.69	165	15406	5.642 ng	#	19
58) Fluorene	10.24	166	33610	3.795 ng		97
71) Phenanthrene	11.20	178	705153	63.438 ng		97
72) Anthracene	11.25	178	205446	18.093 ng		96
75) Fluoranthene	12.39	202	771188	64.300 ng		98
78) Pyrene	12.62	202	925709	61.276 ng		98
81) Benzo(a)anthracene	13.81	228	405443	34.391 ng		100
83) Chrysene	13.84	228	330517	27.592 ng		97
84) Bis(2-ethylhexyl)phthalate	13.80	149	111681	11.250 ng	#	98
86) Indeno(1,2,3-cd)pyrene	16.57	276	144244	13.660 ng		95
88) Benzo(b)fluoranthene	14.83	252	449464	34.403 ng		98
89) Benzo(k)fluoranthene	14.83	252	449464	39.872 ng		99
90) Benzo(a)pyrene	15.17	252	319269	29.064 ng		98
91) Dibenzo(a,h)anthracene	16.73	278	33639	3.457 ng		99
92) Benzo(g,h,i)perylene	16.97	276	145964	15.197 ng		97

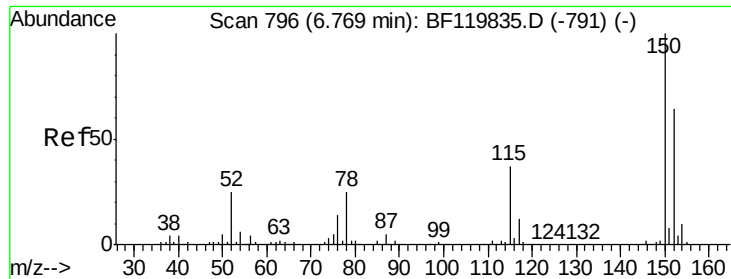
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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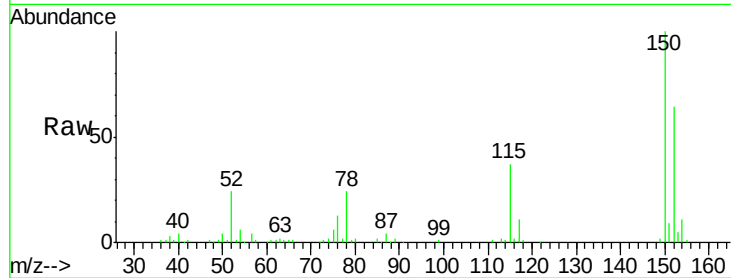


#1

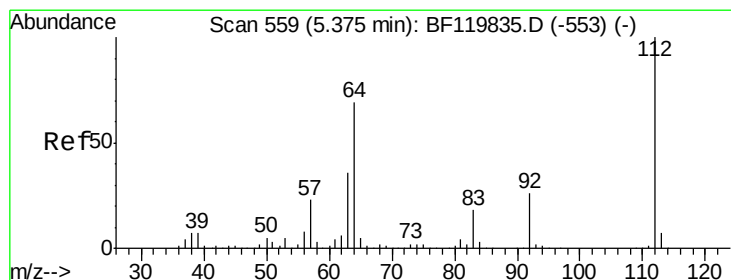
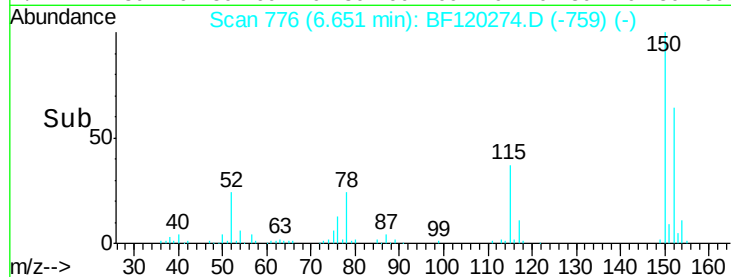
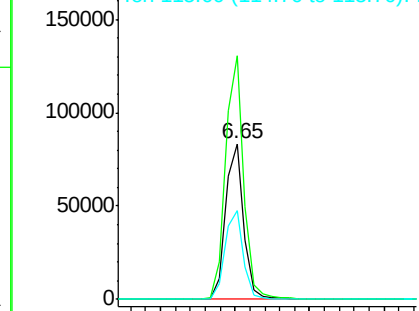
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 776
Delta R.T. 0.00 min
Lab File: BF120274.D
Acq: 1 May 2020 22:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 71282
Ion Ratio Lower Upper
152 100
150 156.6 124.5 186.7
115 57.2 49.6 74.4



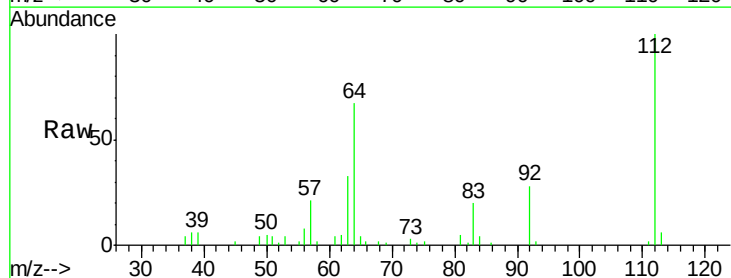
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



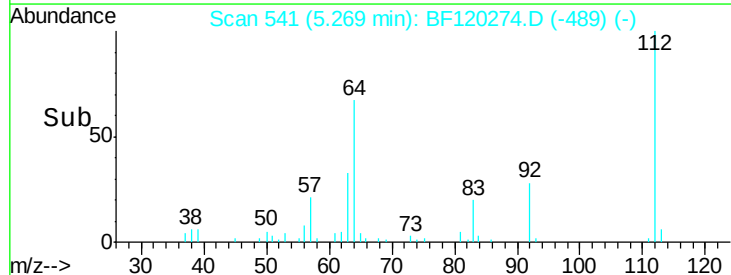
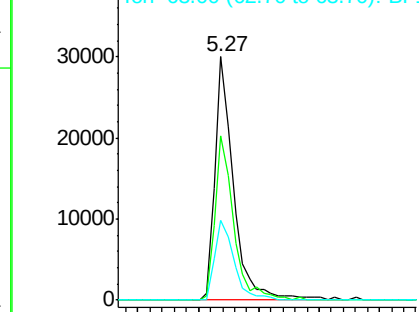
#5

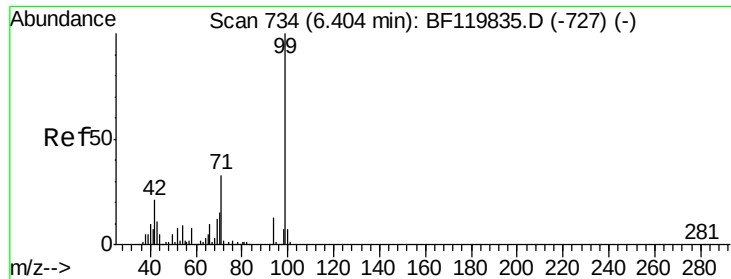
2-Fluorophenol
Concen: 7.761 ng
RT: 5.27 min Scan# 541
Delta R.T. 0.01 min
Lab File: BF120274.D
Acq: 1 May 2020 22:36

Tgt Ion:112 Resp: 32012
Ion Ratio Lower Upper
112 100
64 67.3 56.7 85.1
63 32.9 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: 8.356 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF120274.D

Acq: 1 May 2020 22:36

Instrument :

BNA_F

ClientSampleId :

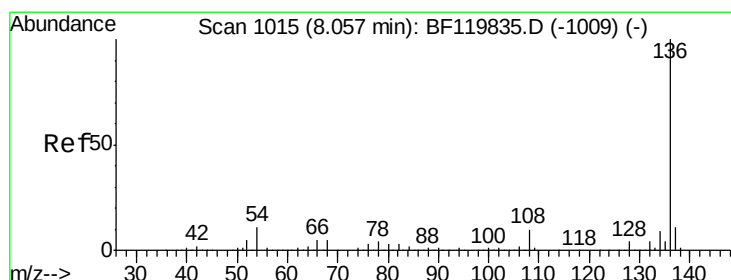
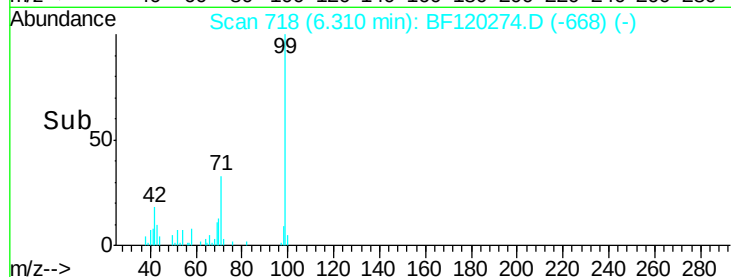
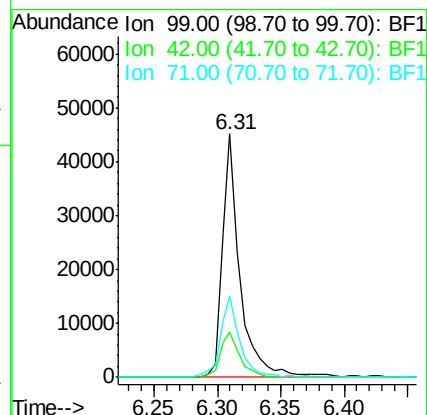
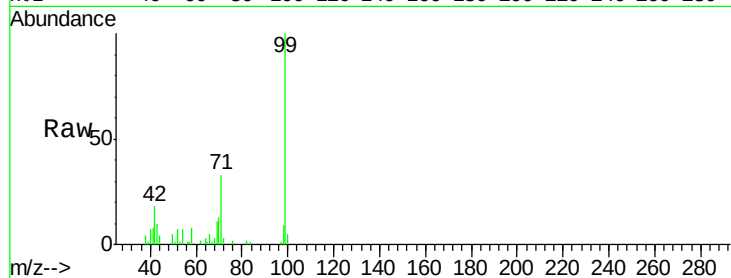
Tot Ion: 99 Resp: 44411

Ion Ratio Lower Upper

99 100

42 18.4 16.6 24.8

71 33.3 26.4 39.6



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 994

Delta R.T. -0.01 min

Lab File: BF120274.D

Acq: 1 May 2020 22:36

Tgt Ion: 136 Resp: 260884

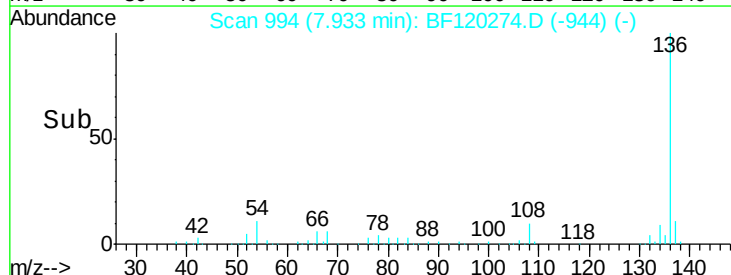
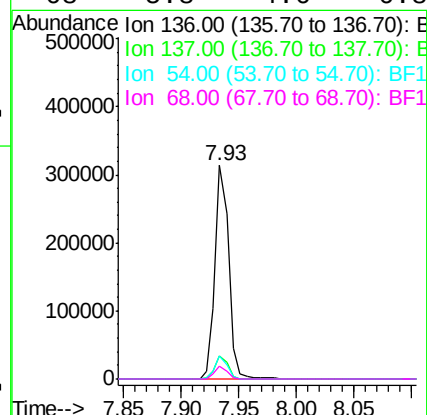
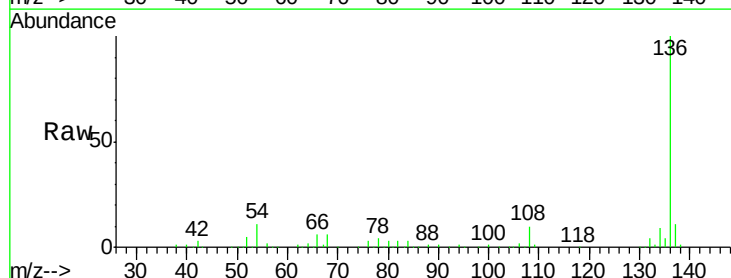
Ion Ratio Lower Upper

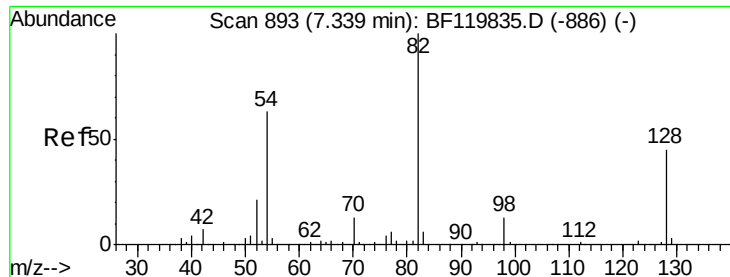
136 100

137 11.1 8.7 13.1

54 10.5 9.1 13.7

68 5.8 4.6 6.8

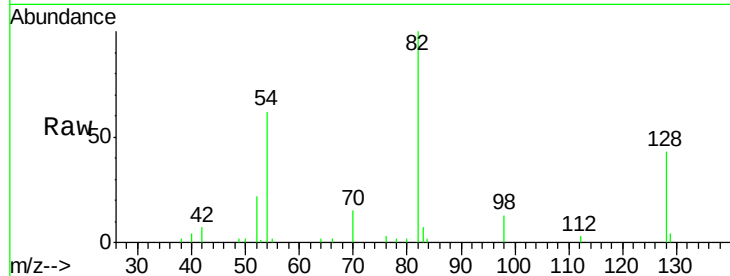




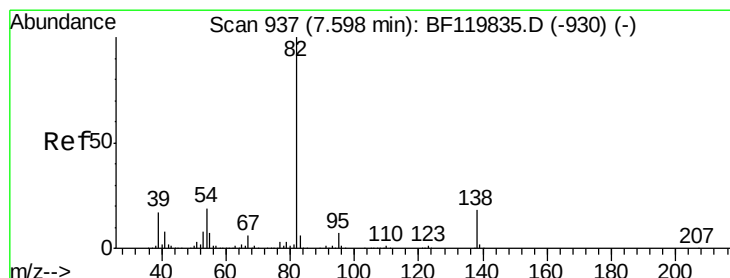
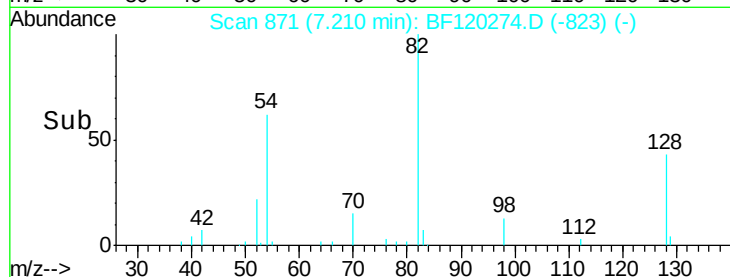
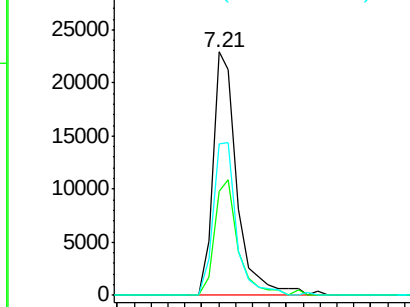
#23
Nitrobenzene-d5
Concen: 4.546 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.02 min
Lab File: BF120274.D
Acq: 1 May 2020 22:36

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 22927
Ion Ratio Lower Upper
82 100
128 42.6 36.3 54.5
54 62.1 50.6 75.8

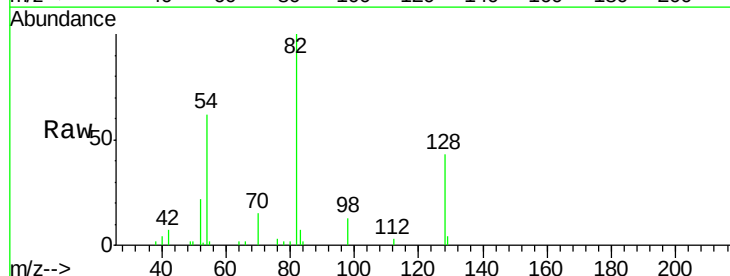


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

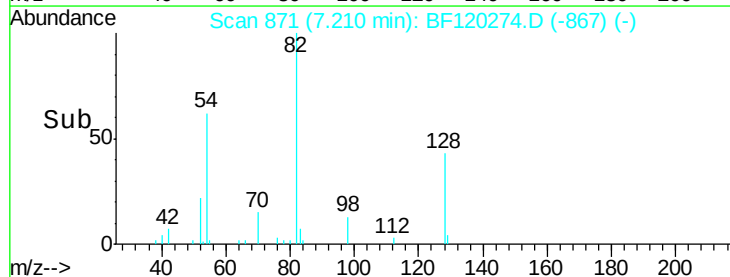
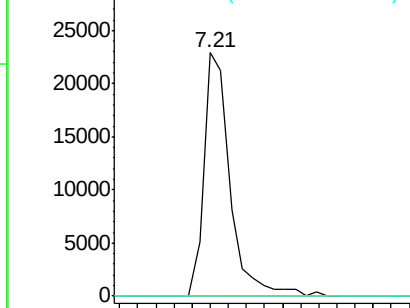


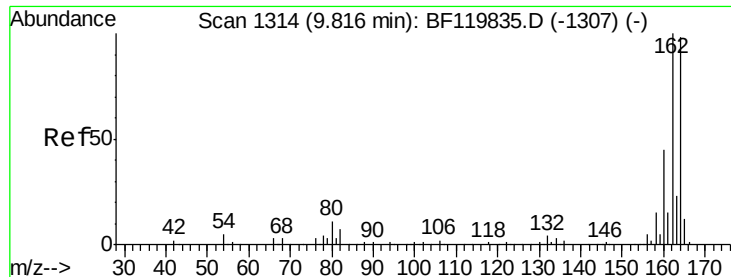
#25
Isophorone
Concen: 2.358 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.28 min
Lab File: BF120274.D
Acq: 1 May 2020 22:36

Tgt Ion: 82 Resp: 22926
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: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF120274.D

Acq: 1 May 2020 22:36

Instrument :

BNA_F

ClientSampleId :

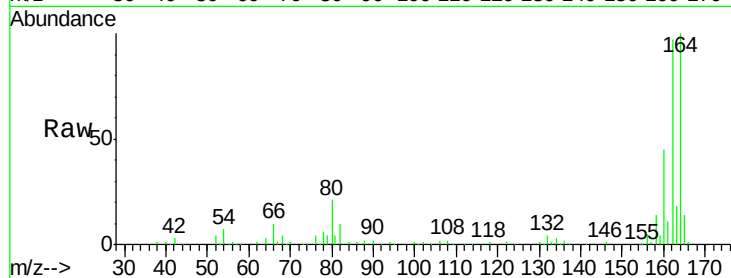
Tot Ion:164 Resp: 122356

Ion Ratio Lower Upper

164 100

162 97.4 80.6 121.0

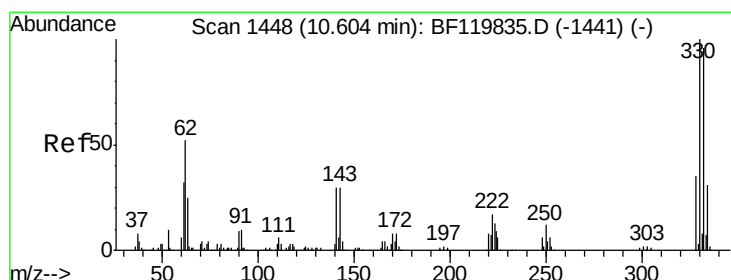
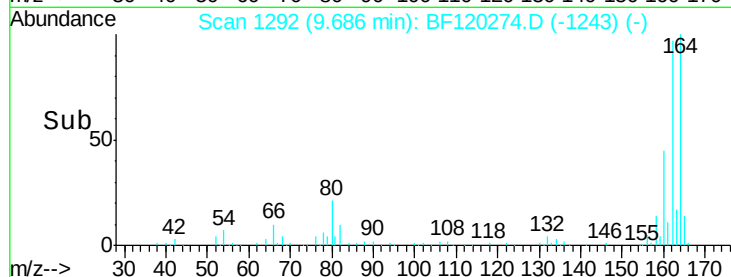
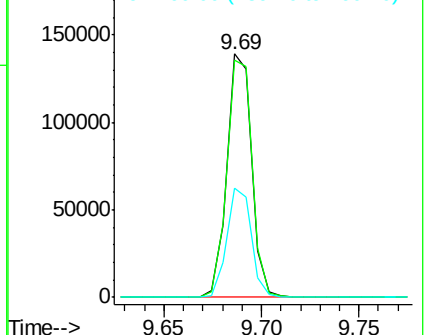
160 44.7 35.7 53.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 4.632 ng

RT: 10.48 min Scan# 1427

Delta R.T. -0.01 min

Lab File: BF120274.D

Acq: 1 May 2020 22:36

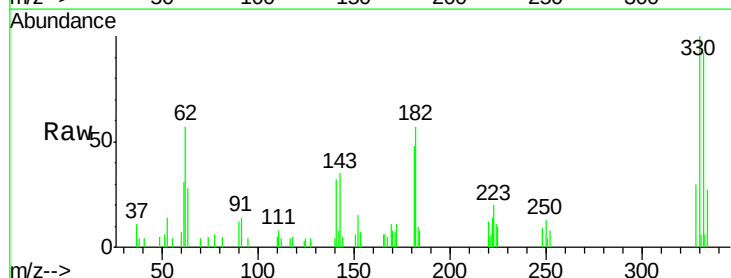
Tgt Ion:330 Resp: 6939

Ion Ratio Lower Upper

330 100

332 95.7 75.7 113.5

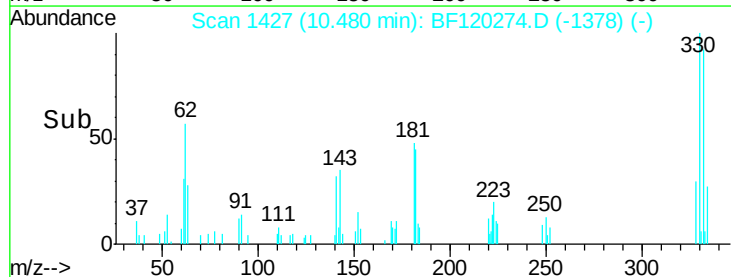
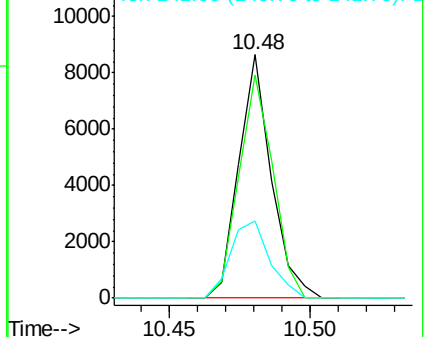
141 38.1 25.4 38.0#

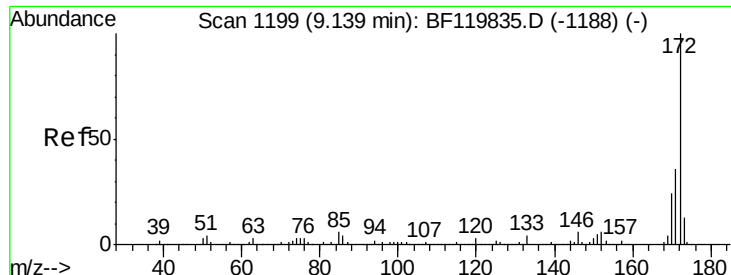


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

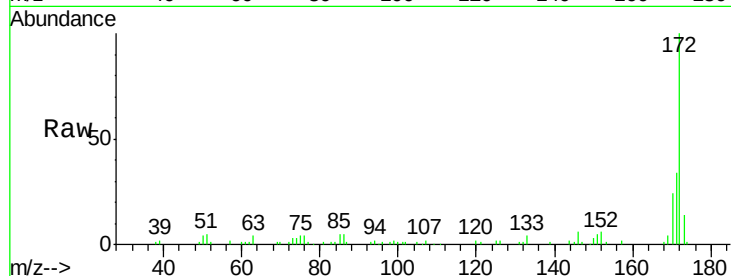




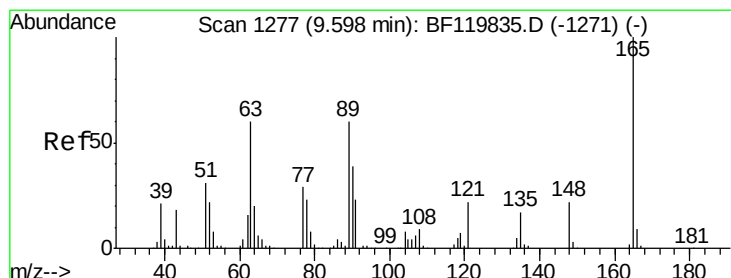
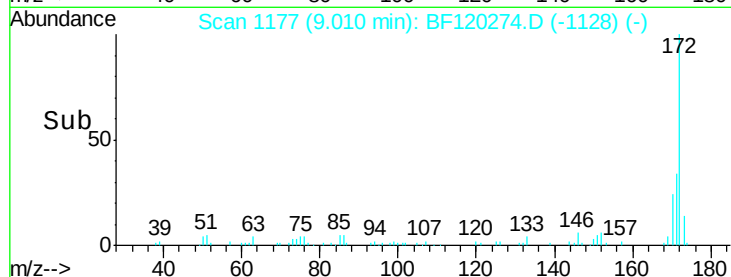
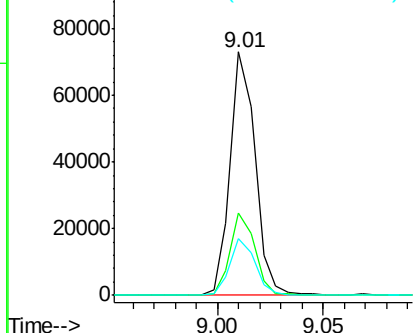
#45
2-Fluorobiphenyl
Concen: 6.955 ng
RT: 9.01 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BF120274.D
Acq: 1 May 2020 22:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 59935
Ion Ratio Lower Upper
172 100
171 33.6 29.6 44.4
170 23.5 20.2 30.2

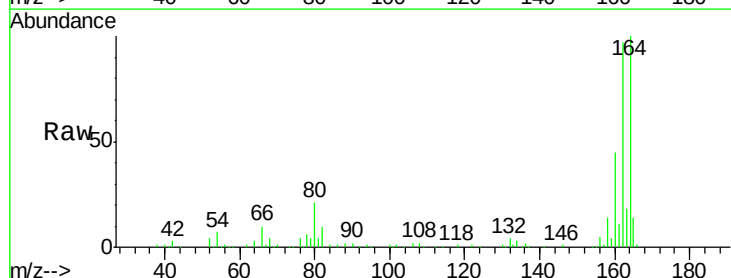


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

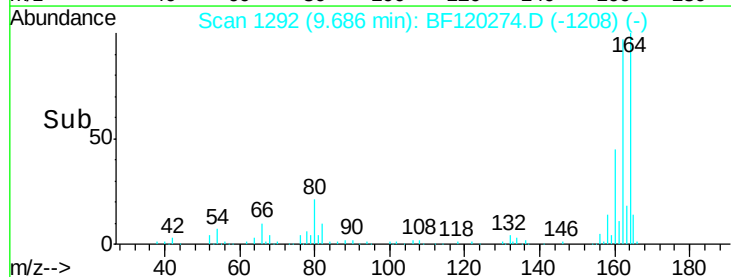
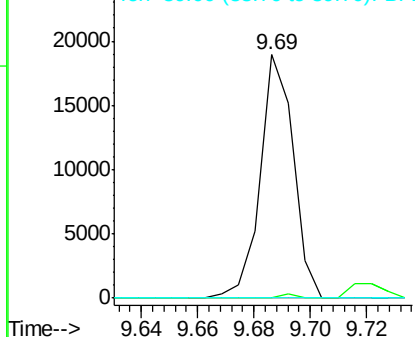


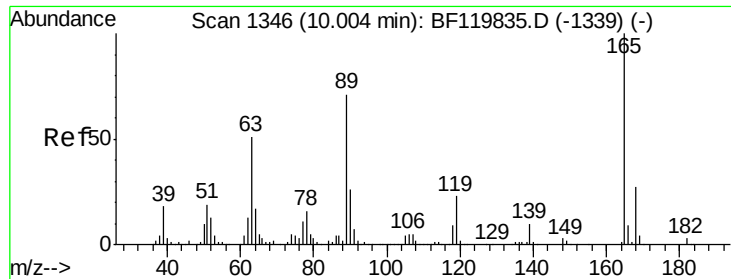
#51
2,6-Dinitrotoluene
Concen: 7.434 ng
RT: 9.69 min Scan# 1292
Delta R.T. 0.19 min
Lab File: BF120274.D
Acq: 1 May 2020 22:36

Tgt Ion:165 Resp: 15406
Ion Ratio Lower Upper
165 100
63 0.0 45.0 67.4#
89 0.0 41.5 62.3#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

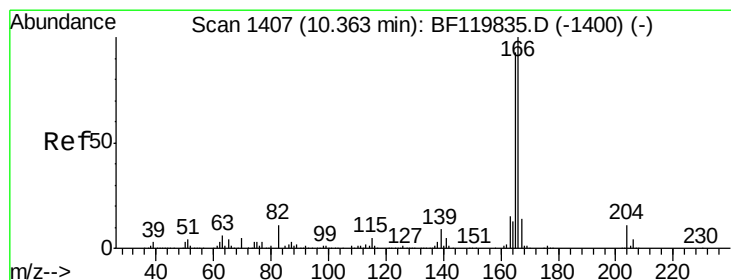
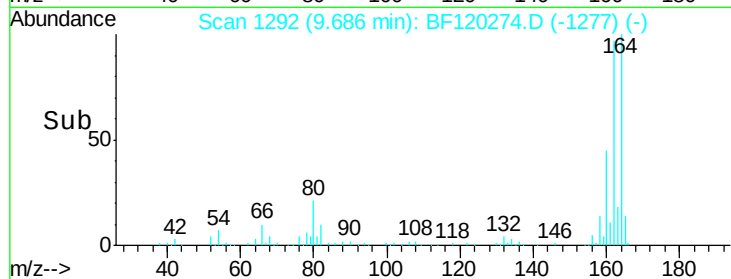
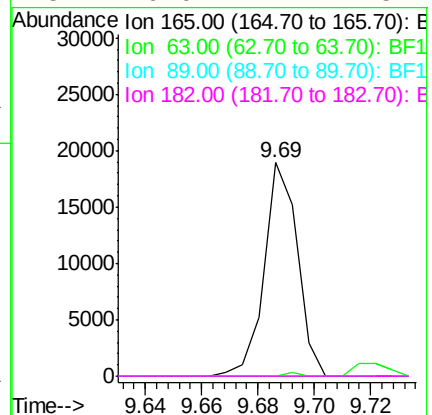
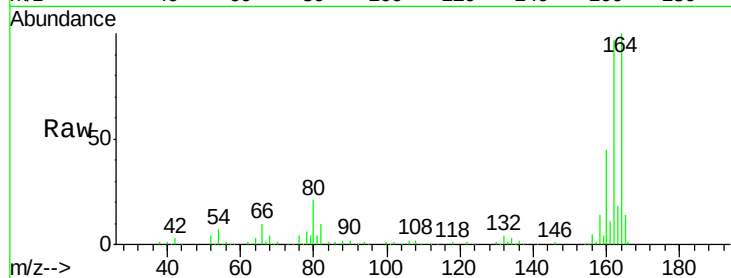




#57
 2,4-Dinitrotoluene
 Concen: 5.642 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.21 min
 Lab File: BF120274.D
 Acq: 1 May 2020 22:36

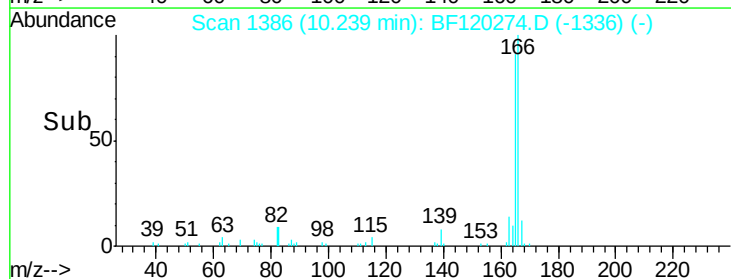
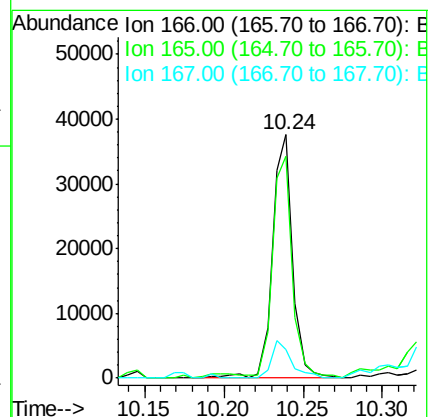
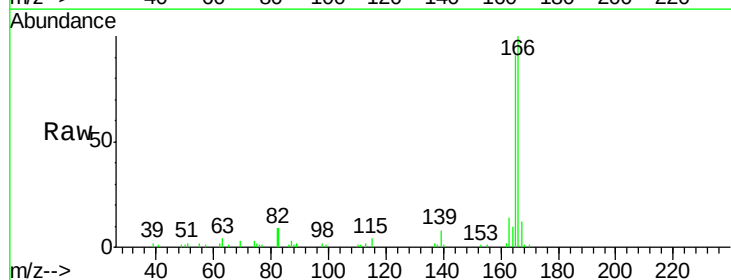
Instrument :
 BNA_F
 ClientSampleId :

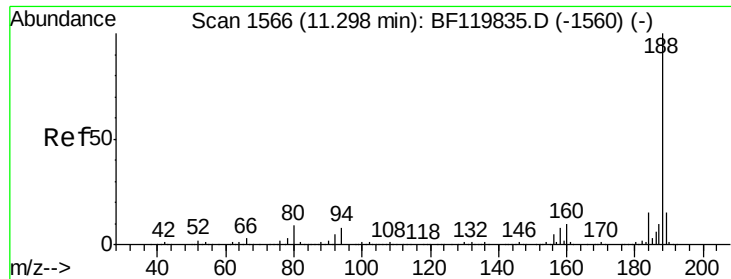
Tot Ion:	165	Resp:	15406
Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.6	64.0#
89	0.0	61.0	91.4#
182	0.0	2.2	3.2#



#58
 Fluorene
 Concen: 3.795 ng
 RT: 10.24 min Scan# 1386
 Delta R.T. -0.01 min
 Lab File: BF120274.D
 Acq: 1 May 2020 22:36

Tgt Ion:	166	Resp:	33610
Ion	Ratio	Lower	Upper
166	100		
165	91.2	75.4	113.2
167	11.9	11.2	16.8

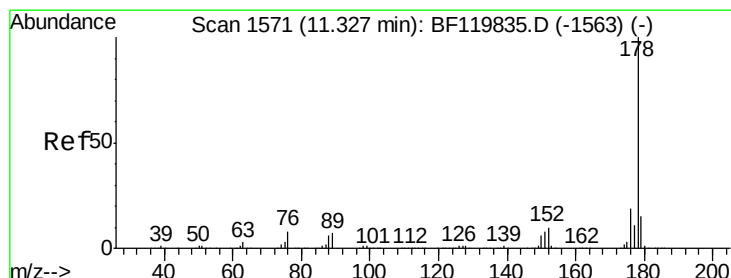
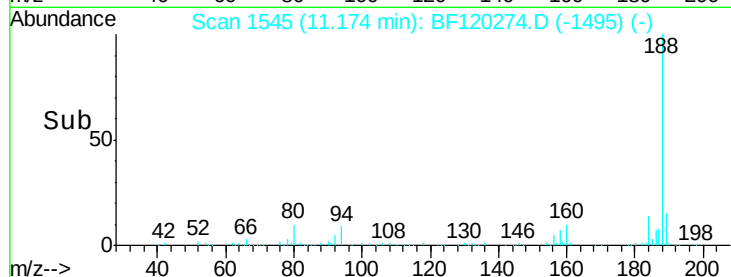
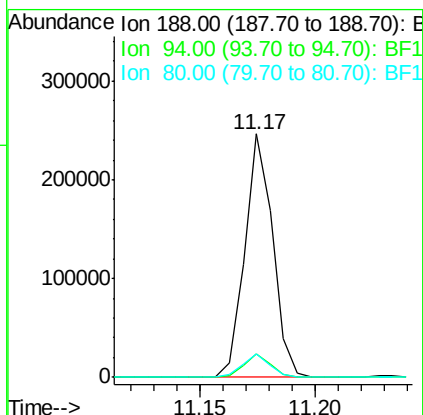
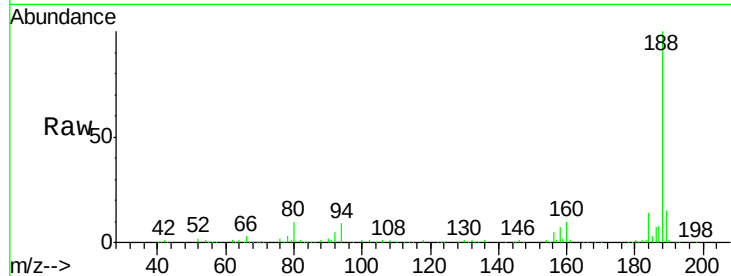




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.17 min Scan# 1545
 Delta R.T. -0.01 min
 Lab File: BF120274.D
 Acq: 1 May 2020 22:36

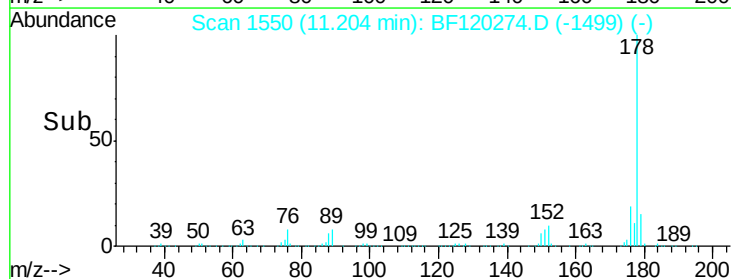
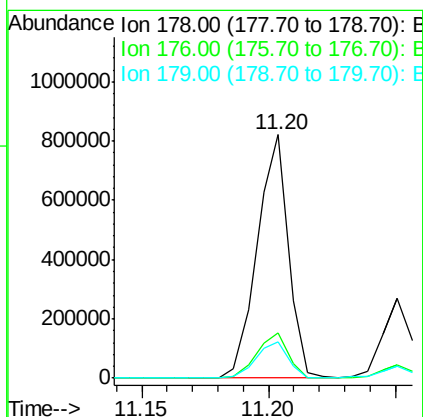
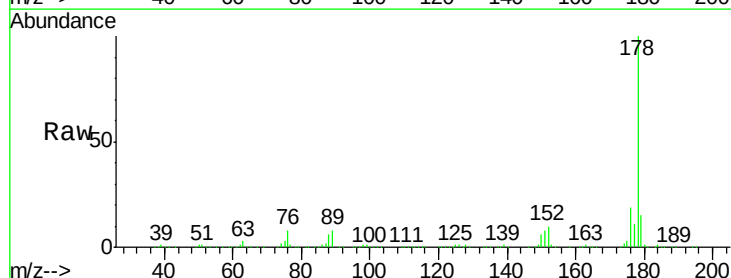
Instrument :
 BNA_F
 ClientSampleId :

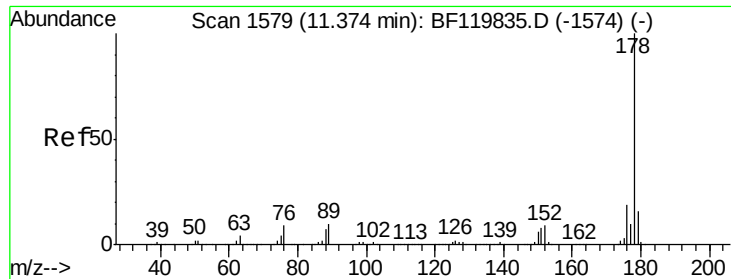
Tot Ion:188 Resp: 208858
 Ion Ratio Lower Upper
 188 100
 94 9.4 7.5 11.3
 80 9.6 9.0 13.4



#71
 Phenanthrene
 Concen: 63.438 ng
 RT: 11.20 min Scan# 1550
 Delta R.T. 0.00 min
 Lab File: BF120274.D
 Acq: 1 May 2020 22:36

Tgt Ion:178 Resp: 705153
 Ion Ratio Lower Upper
 178 100
 176 18.6 16.2 24.4
 179 15.1 13.2 19.8





#72

Anthracene

Concen: 18.093 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF120274.D

Acq: 1 May 2020 22:36

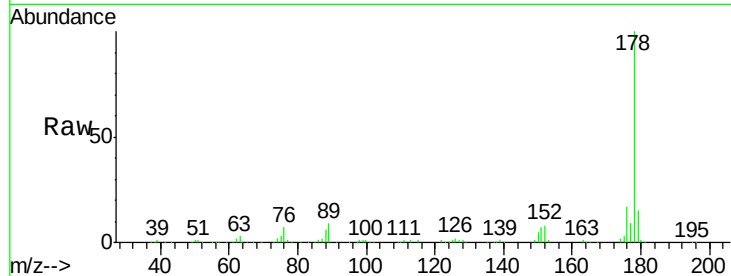
Instrument :

BNA_F

ClientSampled :

Tot Ion:178 Resp: 205446

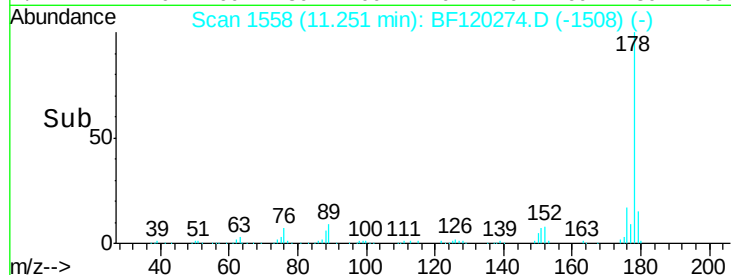
Ion	Ratio	Lower	Upper
178	100		
176	17.3	16.1	24.1
179	15.4	13.0	19.4



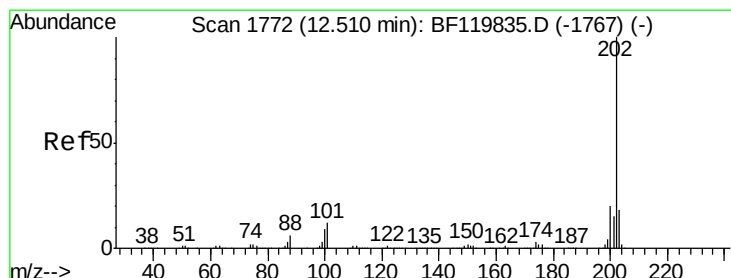
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#75

Fluoranthene

Concen: 64.300 ng

RT: 12.39 min Scan# 1752

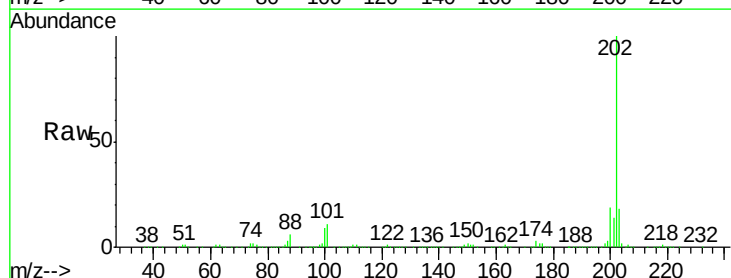
Delta R.T. 0.00 min

Lab File: BF120274.D

Acq: 1 May 2020 22:36

Tgt Ion:202 Resp: 771188

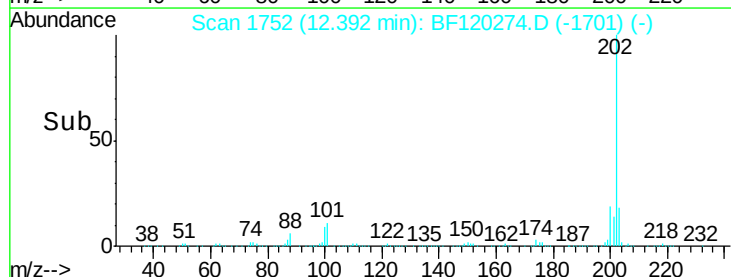
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	32.2
203	17.9	0.0	38.8



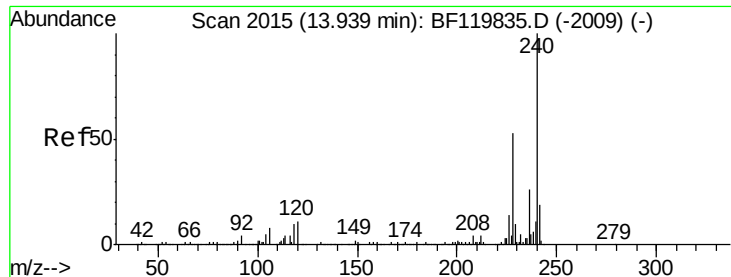
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



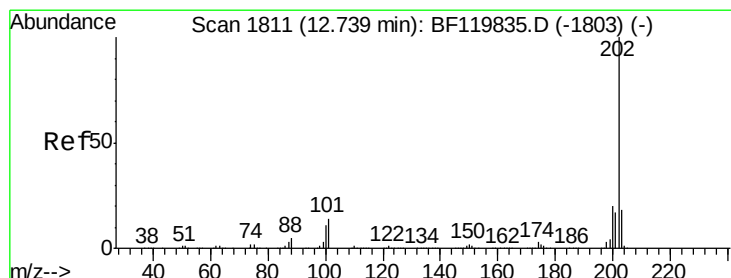
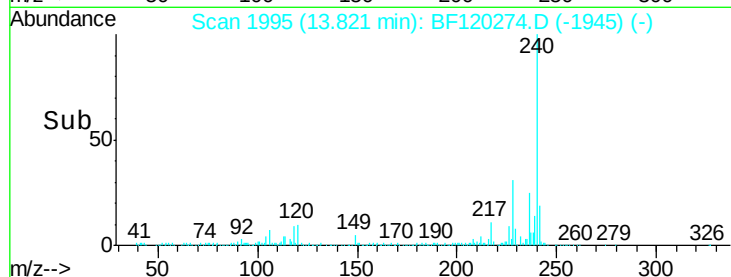
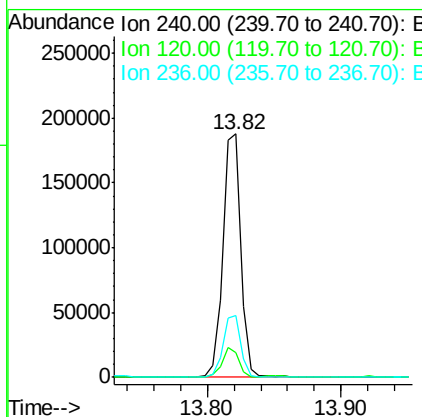
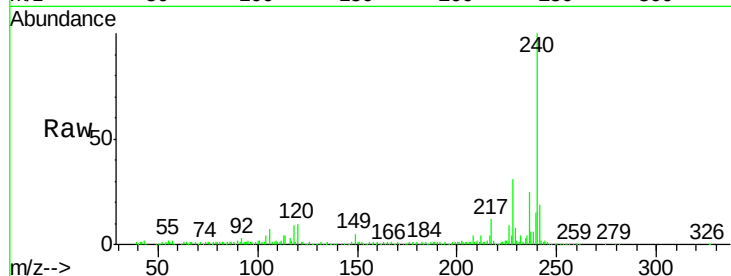
Time-->



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.82 min Scan# 1995
 Delta R.T. -0.01 min
 Lab File: BF120274.D
 Acq: 1 May 2020 22:36

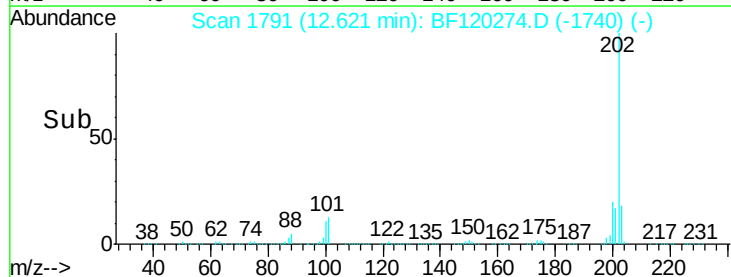
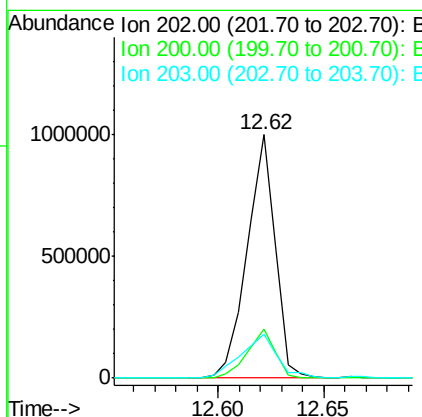
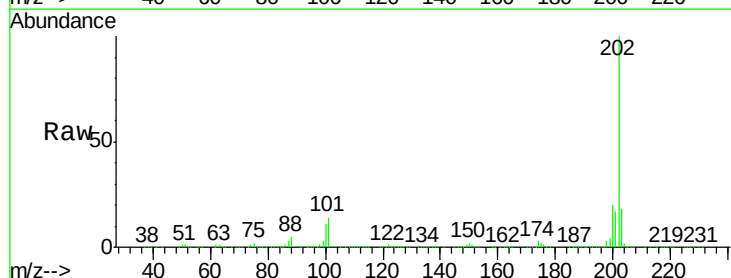
Instrument :
 BNA_F
 ClientSampled :

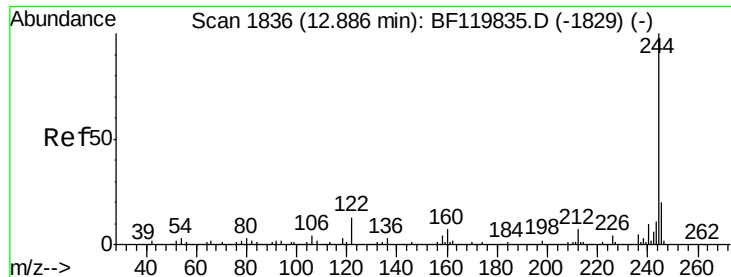
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.0	10.6	15.8#
236	25.5	20.2	30.2



#78
 Pyrene
 Concen: 61.276 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: BF120274.D
 Acq: 1 May 2020 22:36

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.8	25.2
203	18.1	15.1	22.7





#79

Terphenyl-d14

Concen: 5.508 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF120274.D

Acq: 1 May 2020 22:36

Instrument :

BNA_F

ClientSampleId :

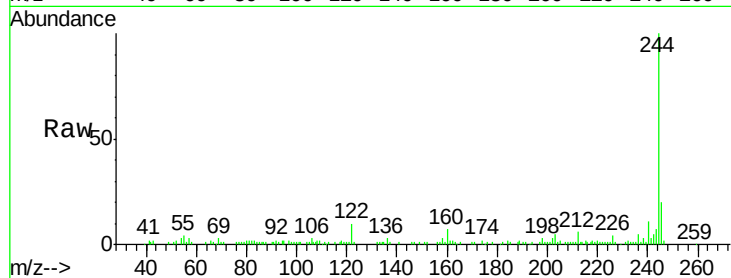
Tot Ion:244 Resp: 58661

Ion Ratio Lower Upper

244 100

212 5.6 5.8 8.8#

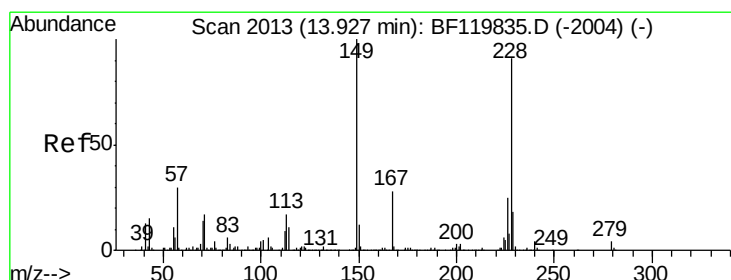
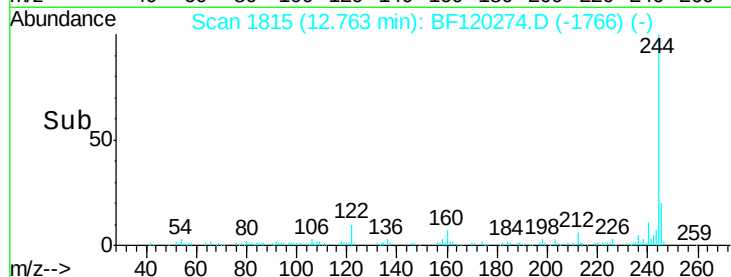
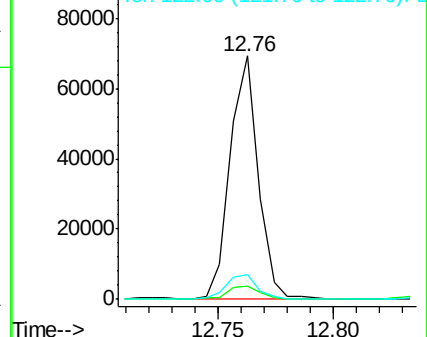
122 10.0 10.3 15.5#



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: 34.391 ng

RT: 13.81 min Scan# 1993

Delta R.T. 0.00 min

Lab File: BF120274.D

Acq: 1 May 2020 22:36

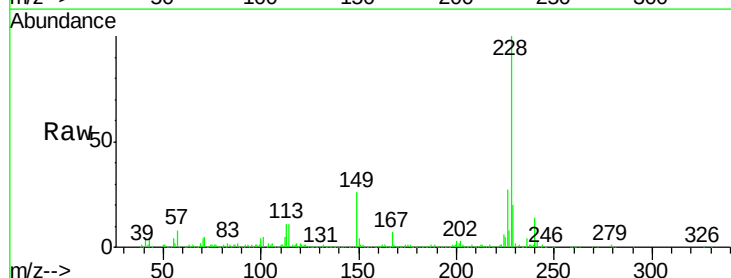
Tgt Ion:228 Resp: 405443

Ion Ratio Lower Upper

228 100

226 27.3 21.8 32.8

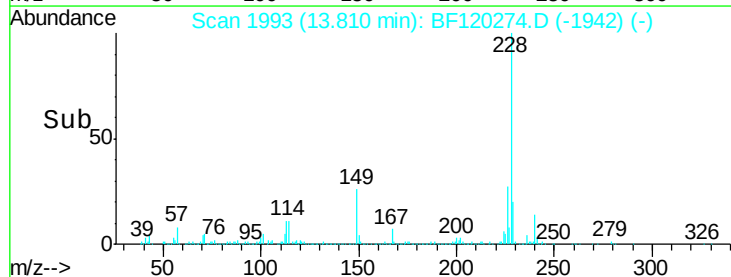
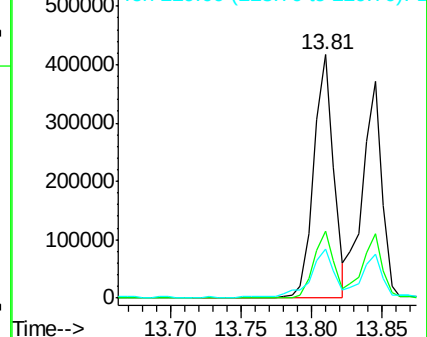
229 20.1 16.2 24.4

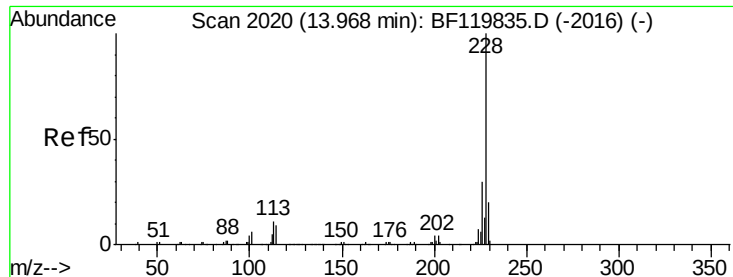


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 27.592 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.01 min

Lab File: BF120274.D

Acq: 1 May 2020 22:36

Instrument :

BNA_F

ClientSampleId :

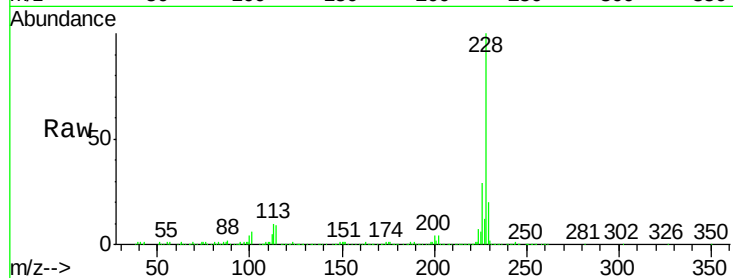
Tot Ion:228 Resp: 330517

Ion Ratio Lower Upper

228 100

226 29.5 25.4 38.0

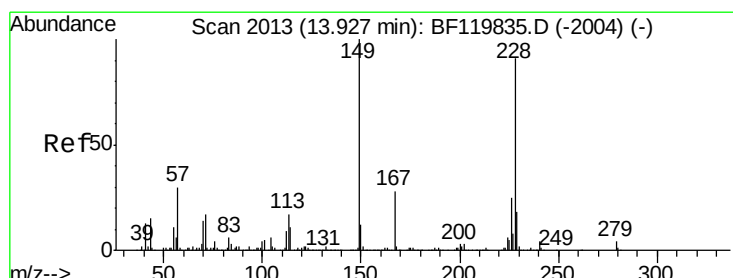
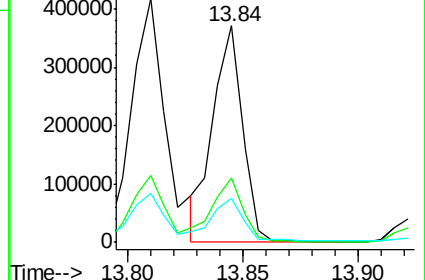
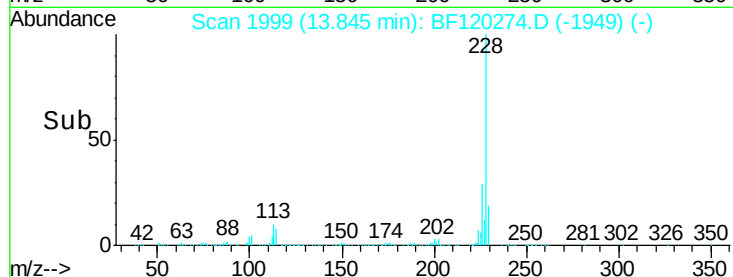
229 20.2 16.6 24.8



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 11.250 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF120274.D

Acq: 1 May 2020 22:36

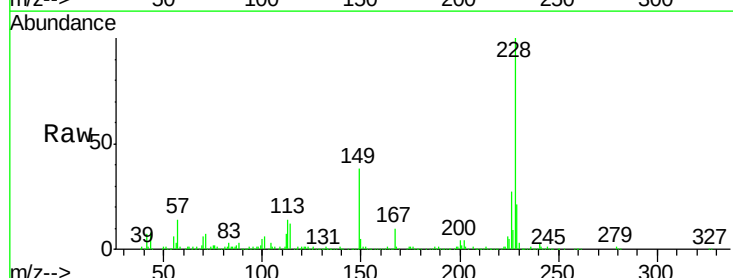
Tgt Ion:149 Resp: 111681

Ion Ratio Lower Upper

149 100

167 25.6 21.3 31.9

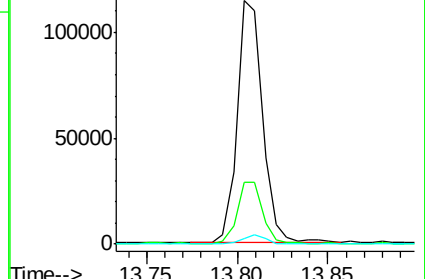
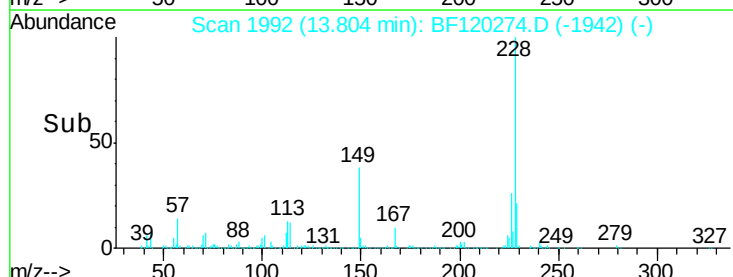
279 2.5 2.7 4.1#

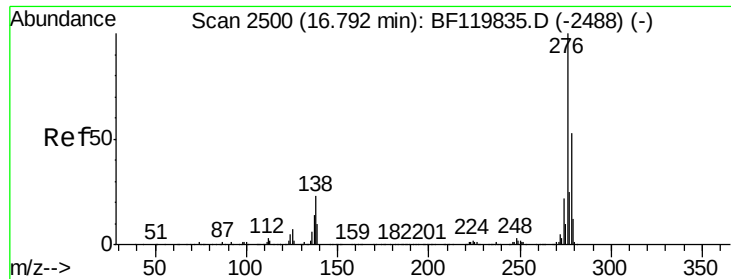


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

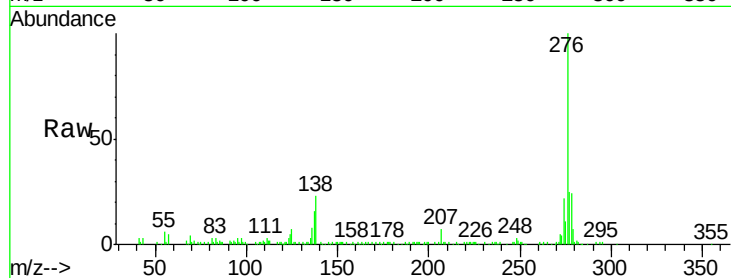




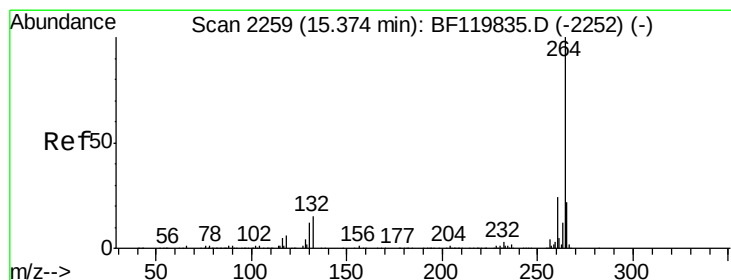
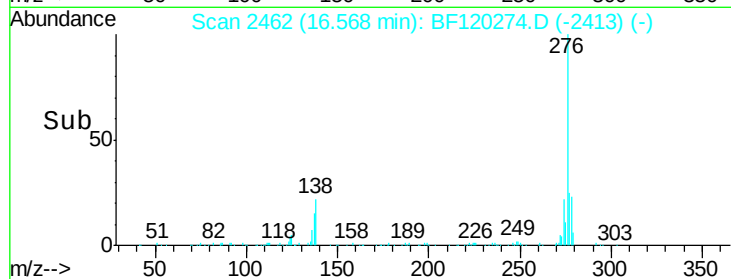
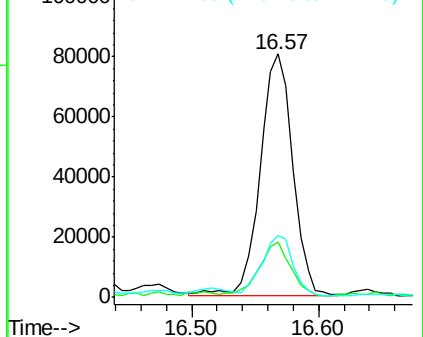
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 13.660 ng
 RT: 16.57 min Scan# 2462
 Delta R.T. -0.01 min
 Lab File: BF120274.D
 Acq: 1 May 2020 22:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 144244
 Ion Ratio Lower Upper
 276 100
 138 21.2 19.6 29.4
 277 23.6 20.0 30.0

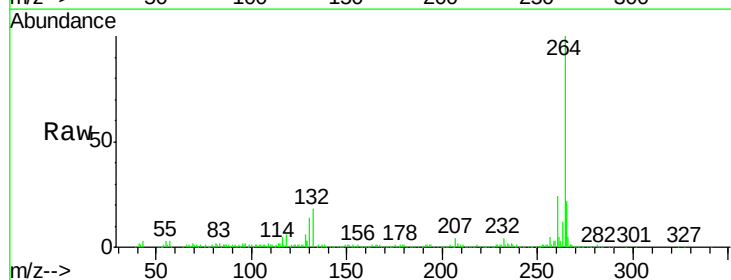


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

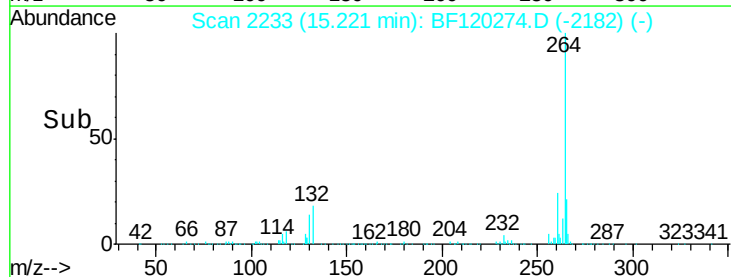
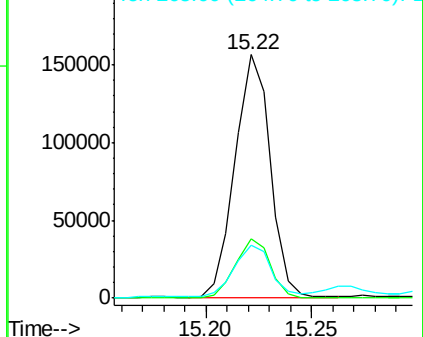


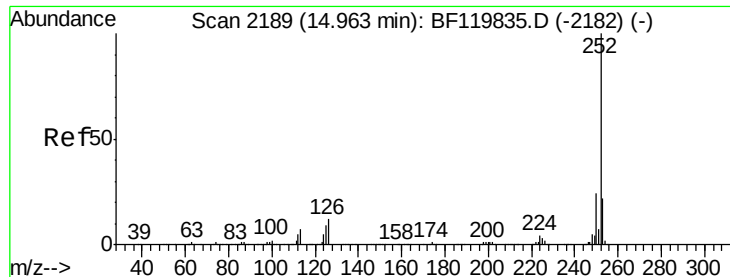
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.22 min Scan# 2233
 Delta R.T. 0.00 min
 Lab File: BF120274.D
 Acq: 1 May 2020 22:36

Tgt Ion:264 Resp: 181613
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.7 28.1
 265 21.9 17.7 26.5



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: 34.403 ng

RT: 14.83 min Scan# 2166

Delta R.T. -0.01 min

Lab File: BF120274.D

Acq: 1 May 2020 22:36

Instrument :

BNA_F

ClientSampleId :

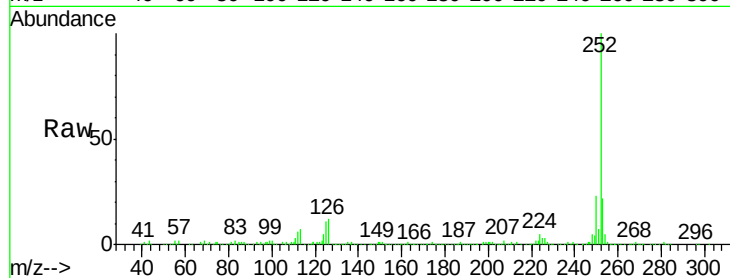
Tot Ion:252 Resp: 449464

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

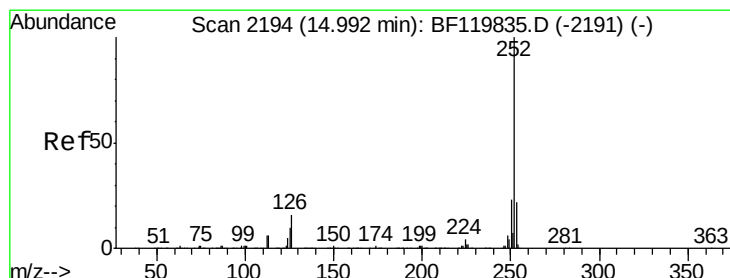
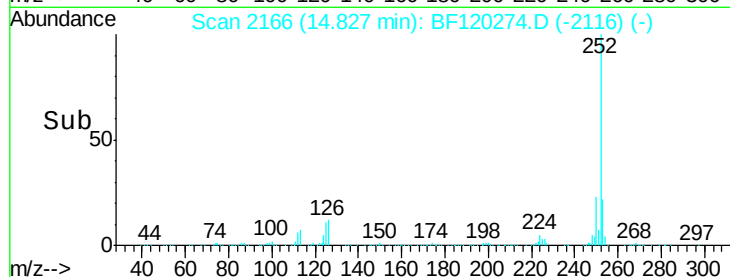
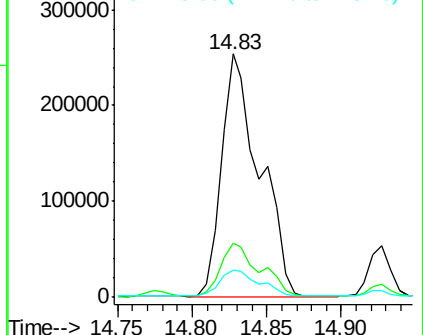
125 11.3 7.9 11.9



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: 39.872 ng

RT: 14.83 min Scan# 2166

Delta R.T. -0.04 min

Lab File: BF120274.D

Acq: 1 May 2020 22:36

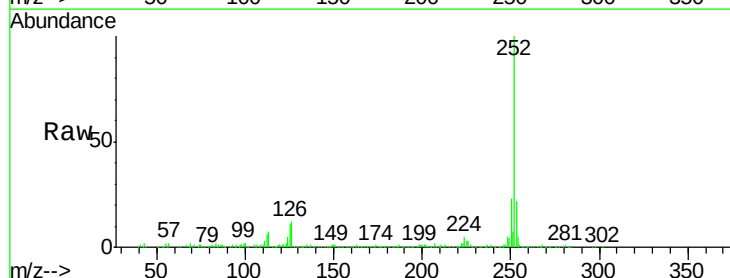
Tgt Ion:252 Resp: 449464

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

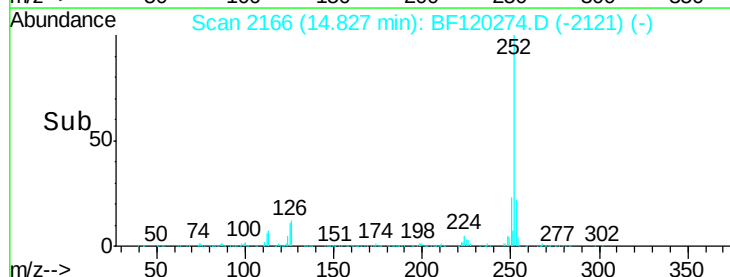
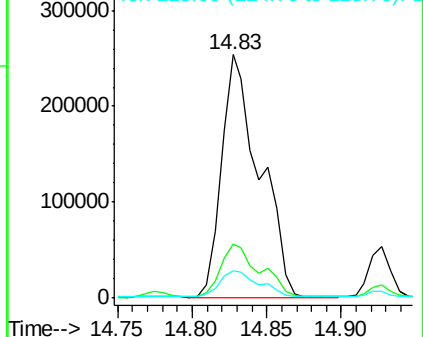
125 11.3 8.4 12.6

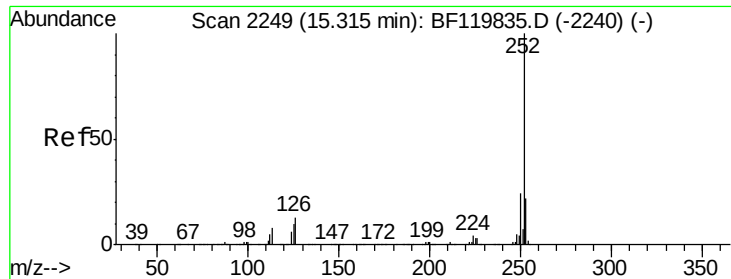


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

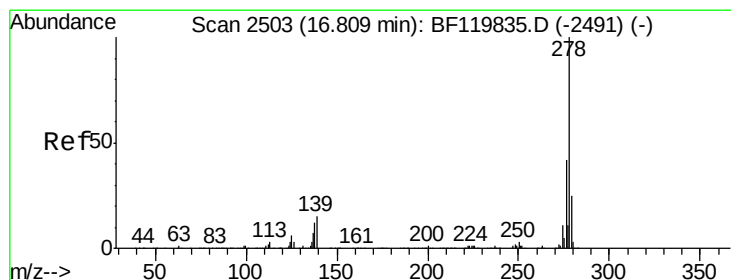
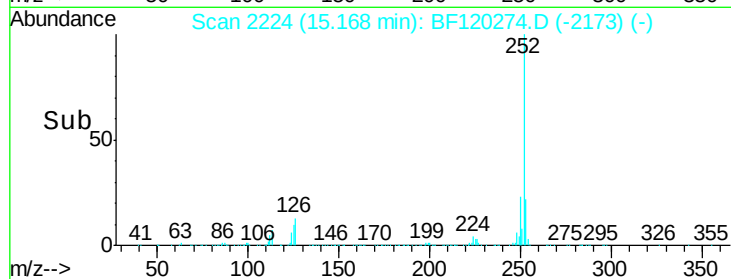
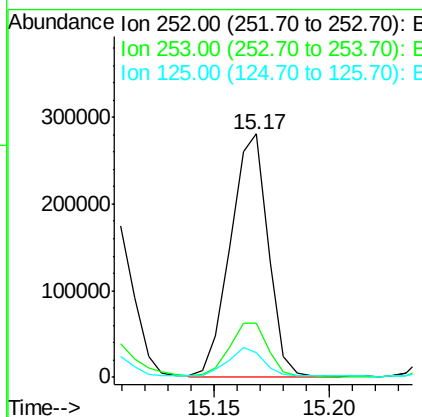
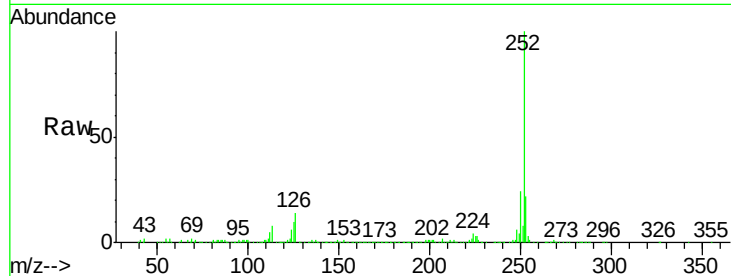




#90
Benzo(a)pyrene
Concen: 29.064 ng
RT: 15.17 min Scan# 2224
Delta R.T. 0.00 min
Lab File: BF120274.D
Acq: 1 May 2020 22:36

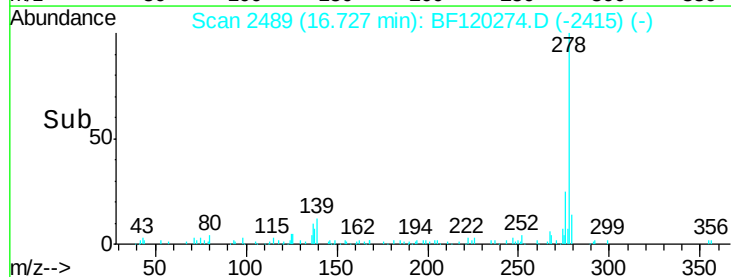
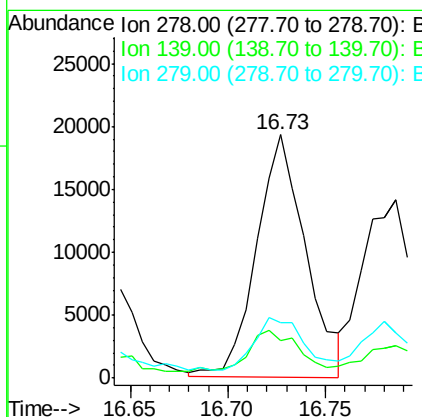
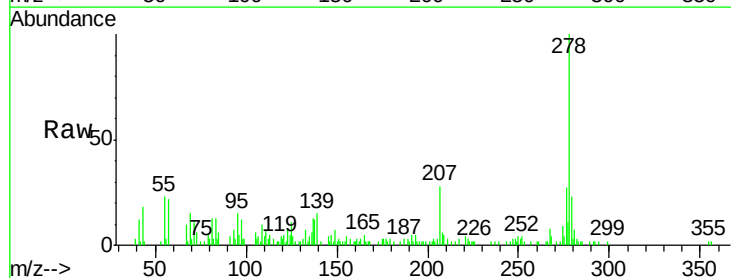
Instrument :
BNA_F
ClientSampleId :

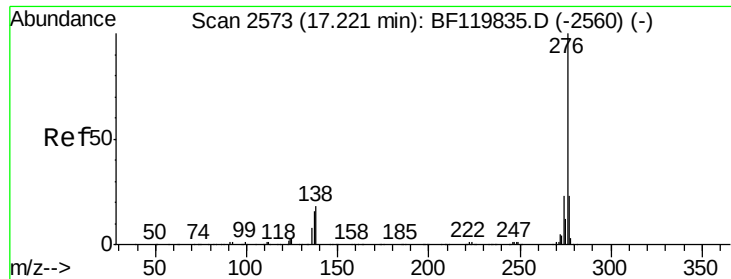
Tot Ion:252 Resp: 319269
Ion Ratio Lower Upper
252 100
253 22.2 18.2 27.2
125 10.1 9.4 14.2



#91
Dibenzo(a,h)anthracene
Concen: 3.457 ng
RT: 16.73 min Scan# 2489
Delta R.T. 0.14 min
Lab File: BF120274.D
Acq: 1 May 2020 22:36

Tgt Ion:278 Resp: 33639
Ion Ratio Lower Upper
278 100
139 15.4 12.6 19.0
279 22.9 19.0 28.6





#92
 Benzo(a,h,i)perylene
 Concen: 15.197 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. -0.01 min
 Lab File: BF120274.D
 Acq: 1 May 2020 22:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.4	27.6
138	21.0	15.4	23.0

