

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 :
 RECOVERED-CRUSH-AGGREGAT

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

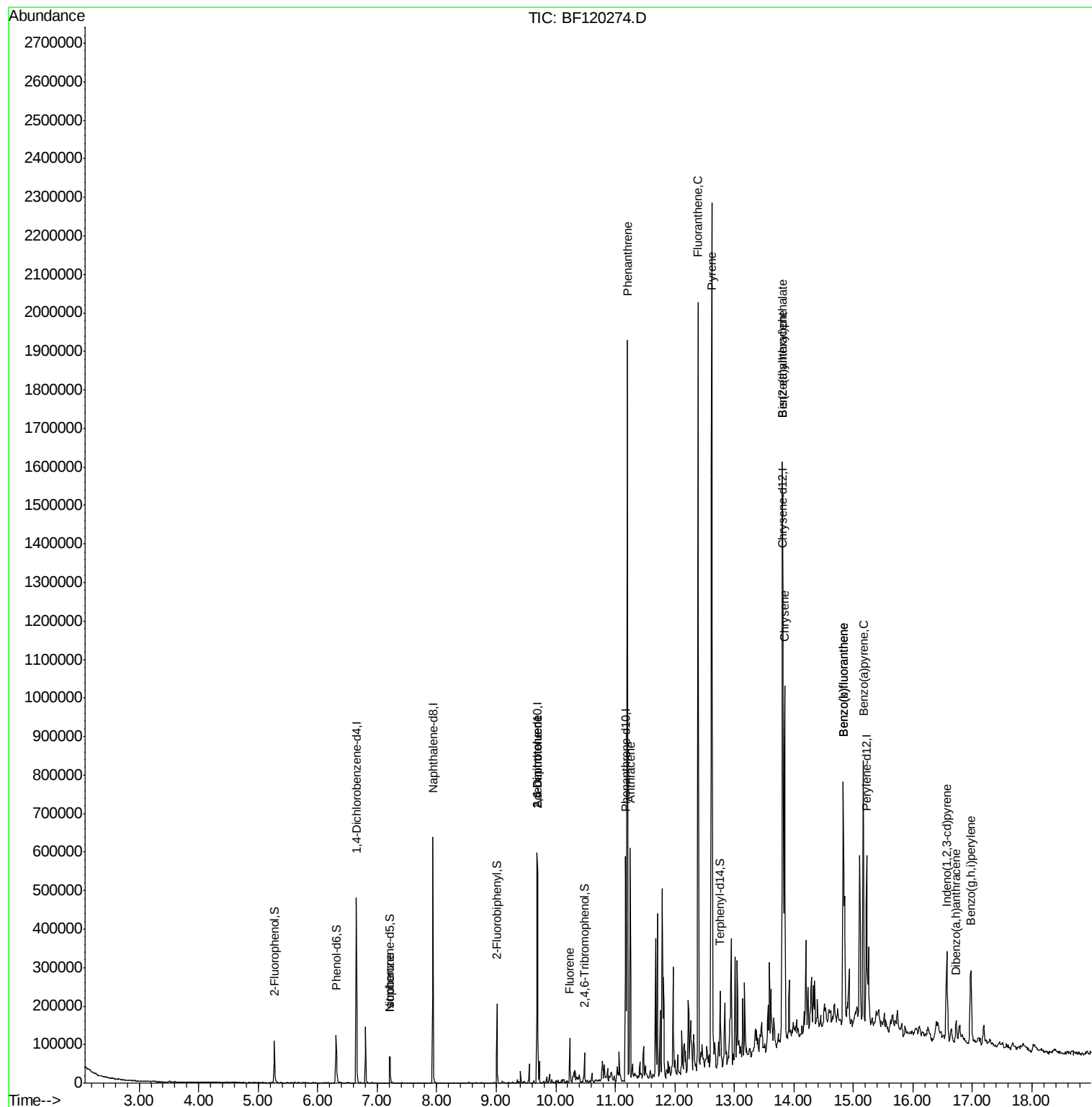
Target Compounds				Qvalue		
9) Benzaldehyde	5.92	77	127	Below Cal	#	1
25) Isophorone	7.21	82	22926	2.358	ng	# 65
51) 2,6-Dinitrotoluene	9.69	165	15406	7.434	ng	# 25
57) 2,4-Dinitrotoluene	9.69	165	15406	5.642	ng	# 19
58) Fluorene	10.24	166	33610	3.795	ng	97
71) Phenanthrene	11.20	178	705153	63.438	ng	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

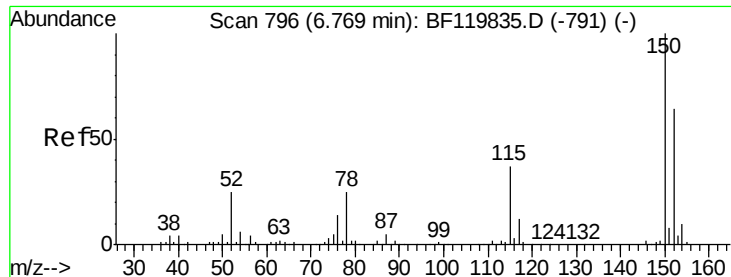
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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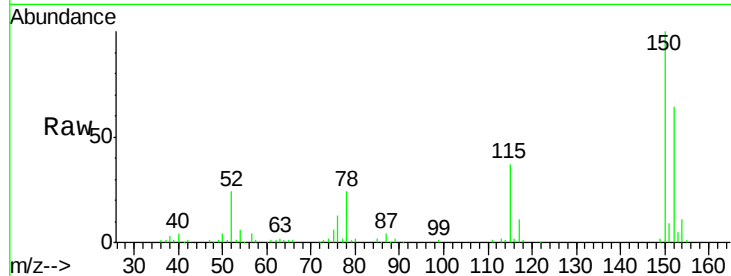


#1

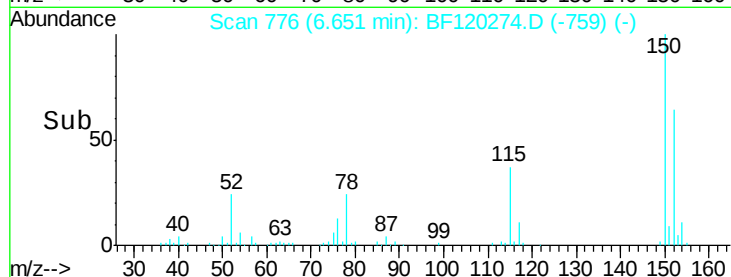
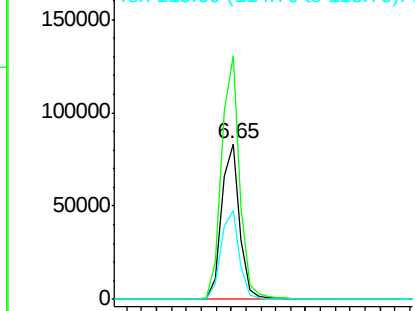
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 776
Delta R.T. 0.00 min
Lab File: BF120274.D
Acq: 1 May 2020 22:36

Instrument :
BNA_F
ClientSampleId :
RECOVERED-CRUSH-AGGREGAT

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



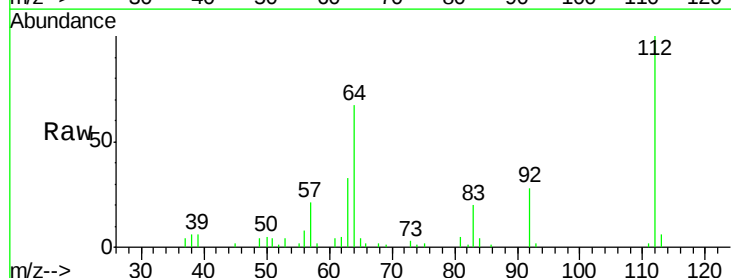
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



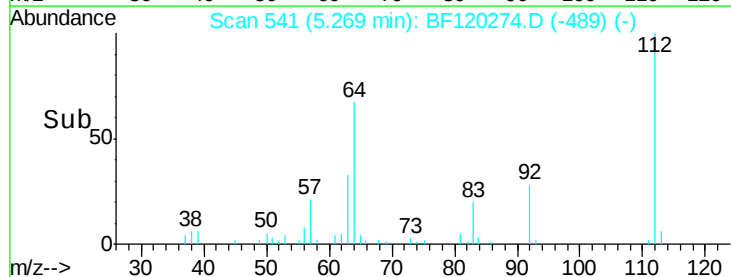
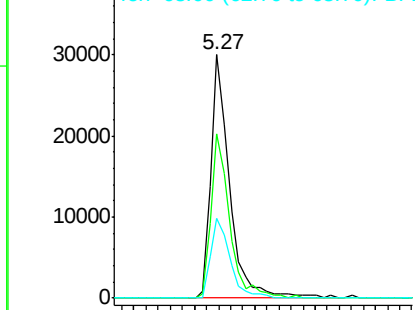
#5

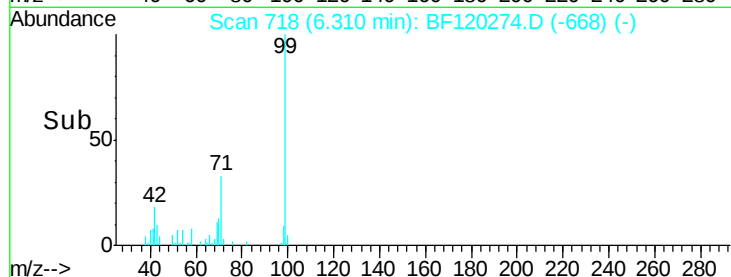
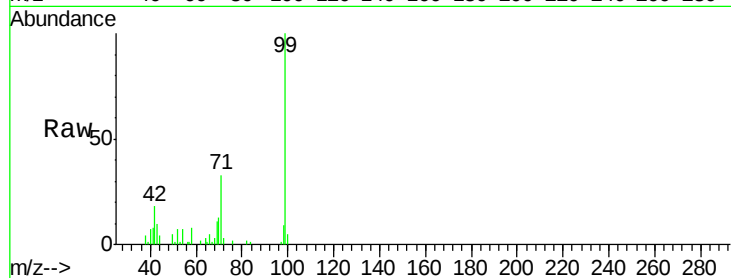
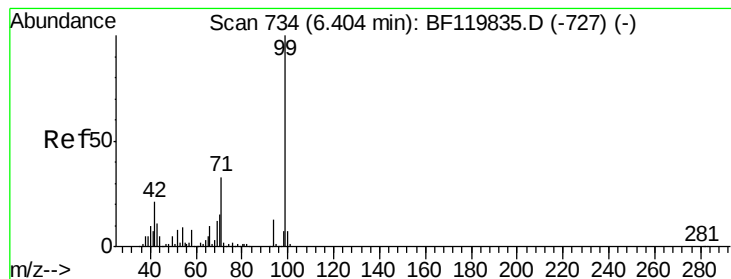
2-Fluorophenol
Concen: 7.761 ng
RT: 5.27 min Scan# 541
Delta R.T. 0.01 min
Lab File: BF120274.D
Acq: 1 May 2020 22:36

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 :

RECOVERED-CRUSH-AGGREGAT

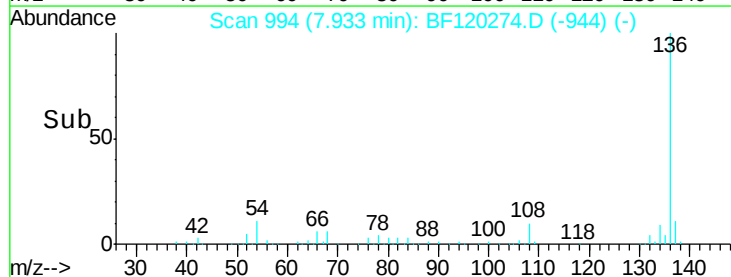
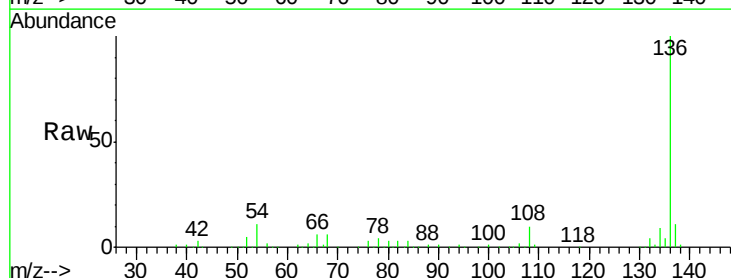
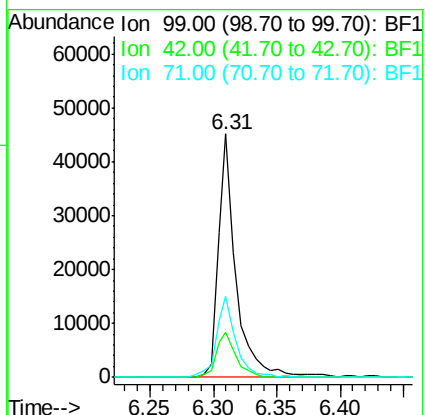
Tot Ion: 99 Resp: 44411

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

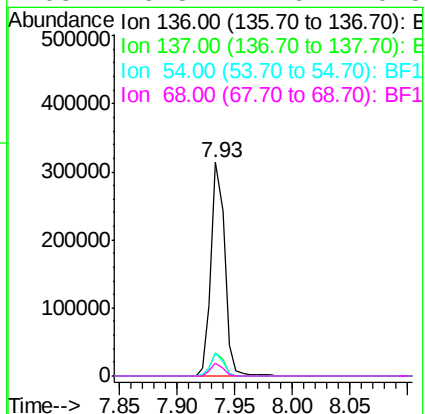
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 10.5 9.1 13.7

68 5.8 4.6 6.8

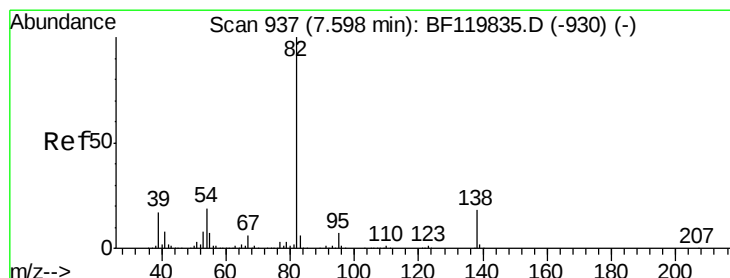
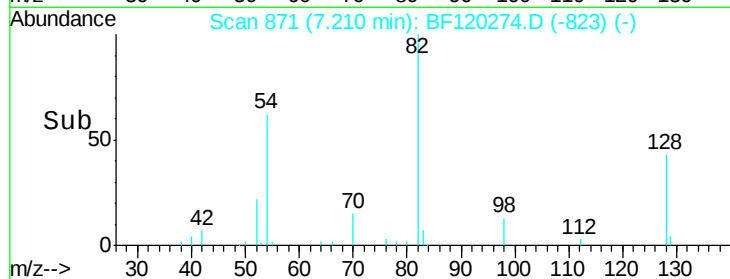
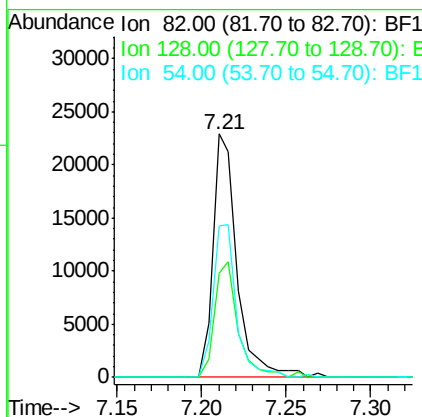
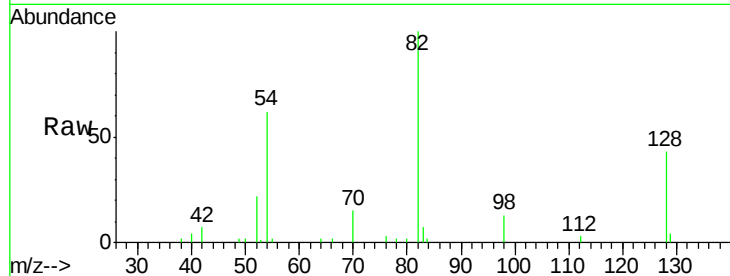




#23
 Nitrobenzene-d5
 Concen: 4.546 ng
 RT: 7.21 min Scan# 871
 Delta R.T. -0.02 min
 Lab File: BF120274.D
 Acq: 1 May 2020 22:36

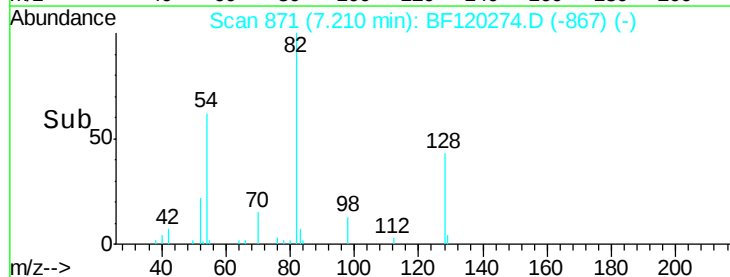
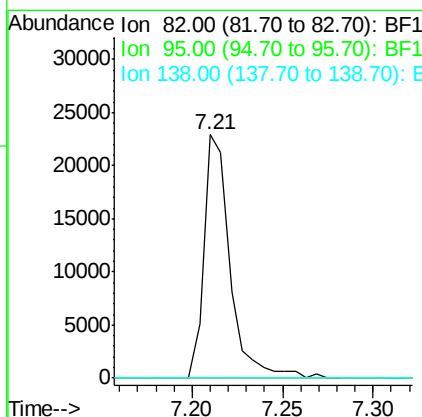
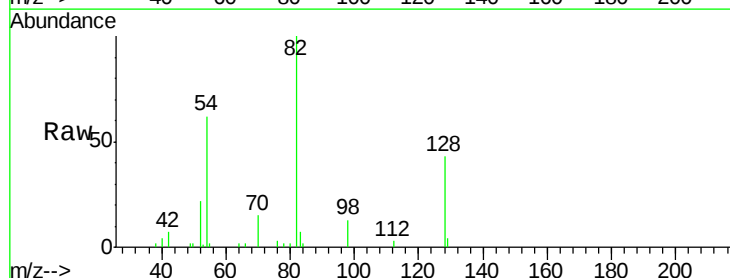
Instrument :
 BNA_F
 ClientSampleId :
 RECOVERED-CRUSH-AGGREGAT

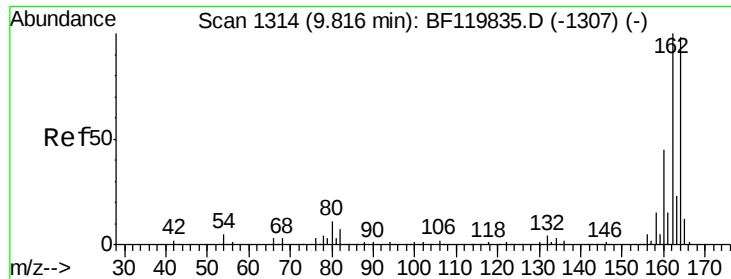
Tot Ion: 82 Resp: 22927
 Ion Ratio Lower Upper
 82 100
 128 42.6 36.3 54.5
 54 62.1 50.6 75.8



#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#

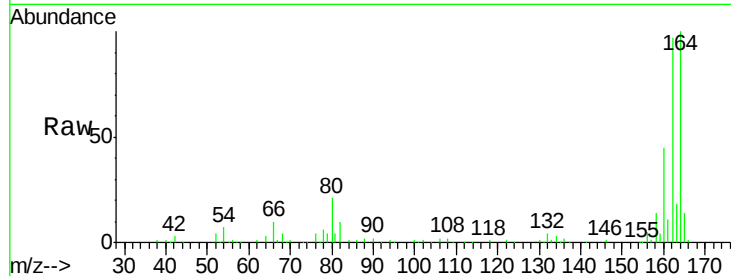




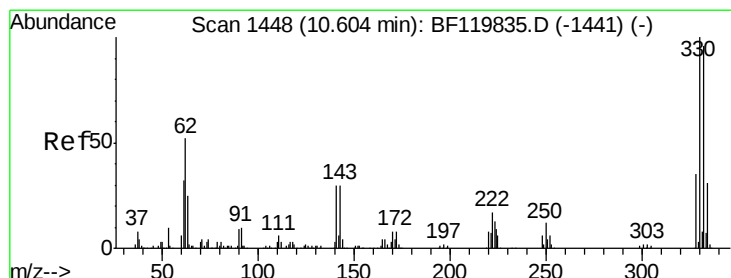
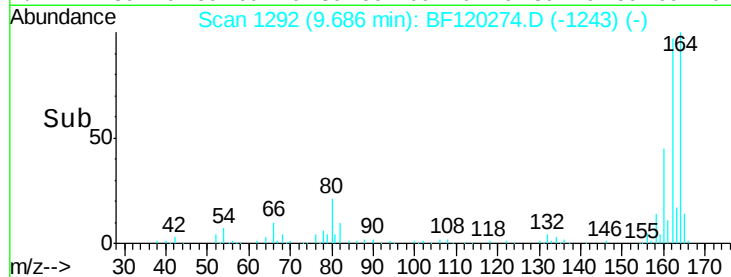
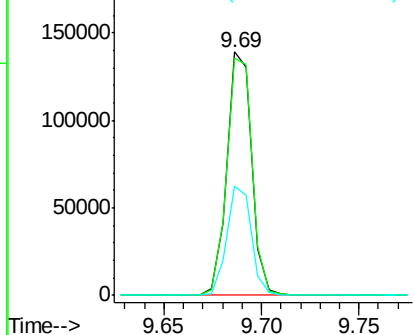
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF120274.D
Acq: 1 May 2020 22:36

Instrument :
BNA_F
ClientSampleId :
RECOVERED-CRUSH-AGGREGAT

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

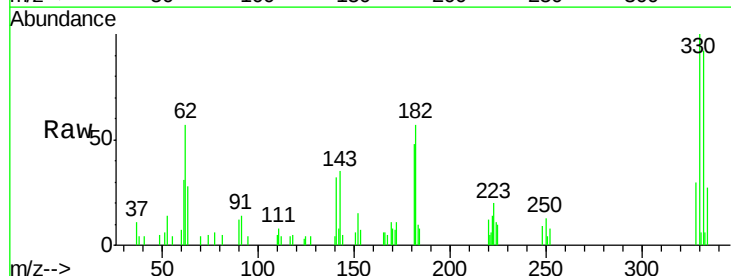


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

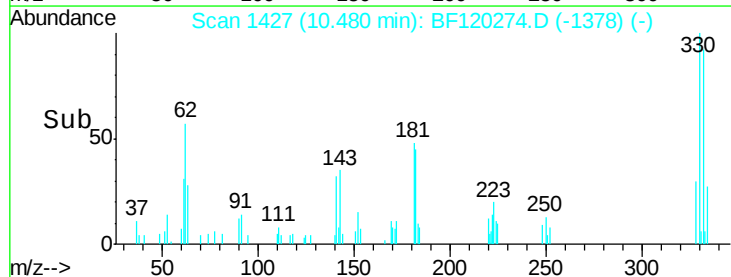
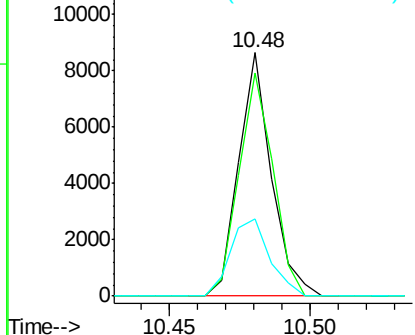


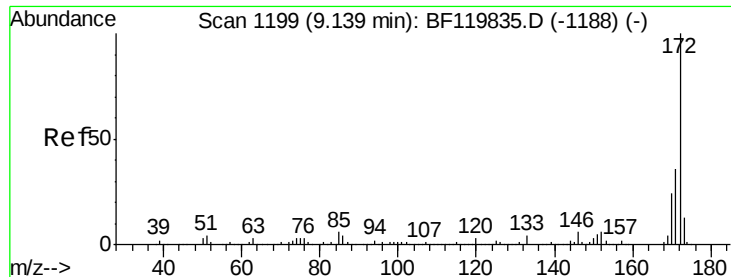
#42
2,4,6-Tribromophenol
Concen: 4.632 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BF120274.D
Acq: 1 May 2020 22:36

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

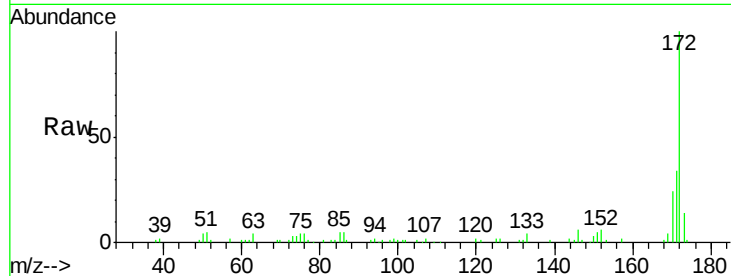




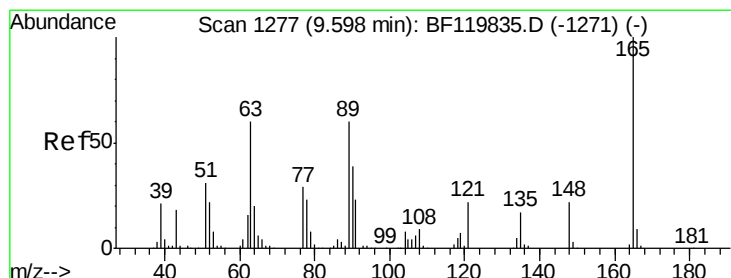
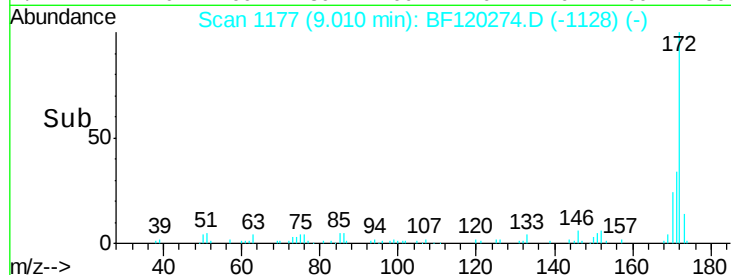
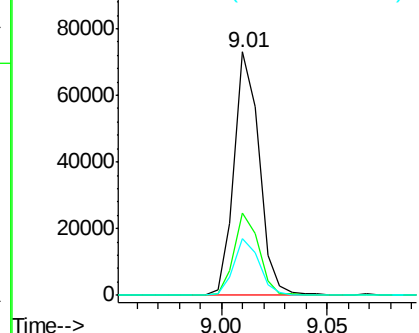
#45
 2-Fluorobiphenyl
 Concen: 6.955 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. -0.01 min
 Lab File: BF120274.D
 Acq: 1 May 2020 22:36

Instrument :
 BNA_F
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 RECOVERED-CRUSH-AGGREGAT

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

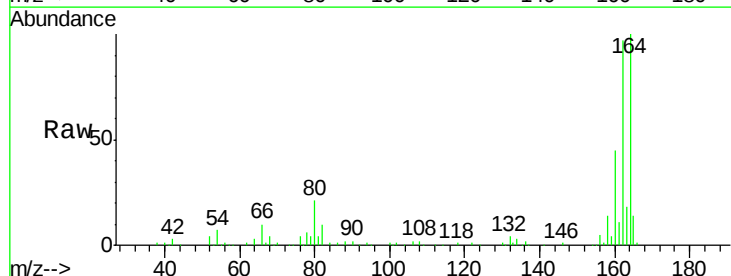


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

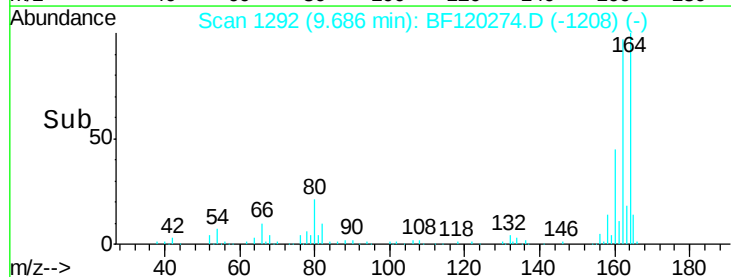
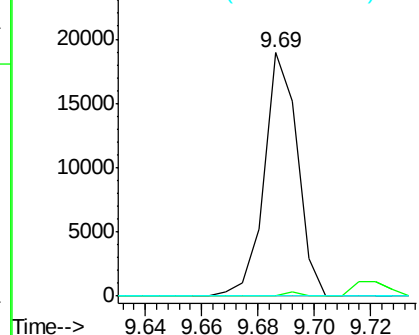


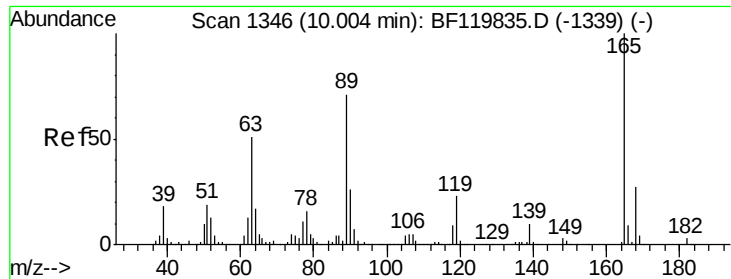
#51
 2,6-Dinitrotoluene
 Concen: 7.434 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. 0.19 min
 Lab File: BF120274.D
 Acq: 1 May 2020 22:36

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

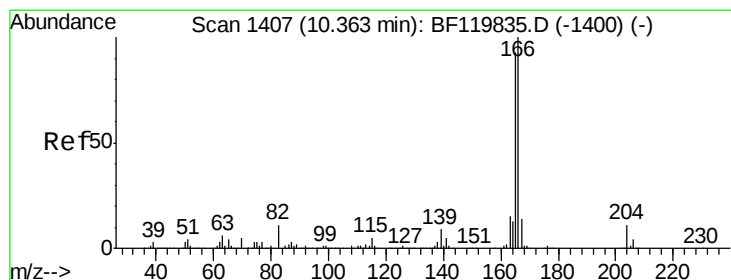
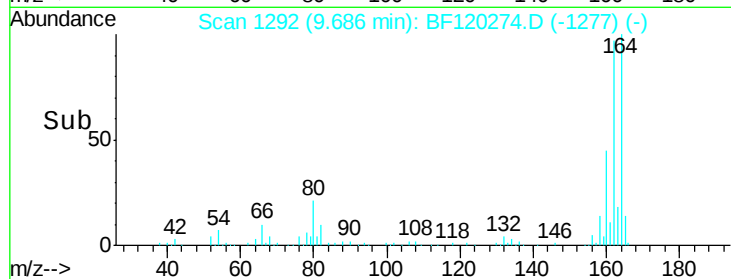
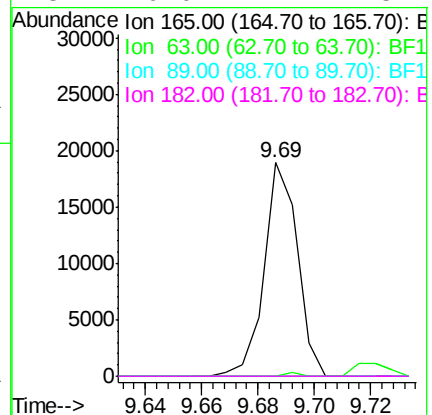
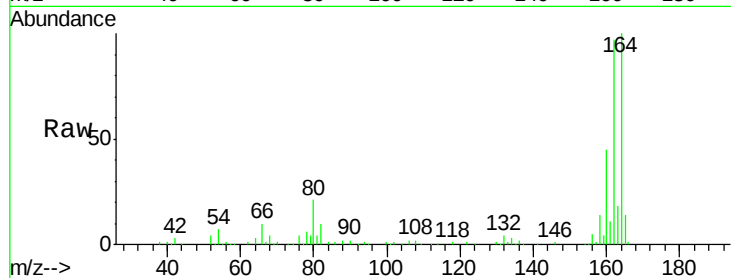




#57
2,4-Dinitrotoluene
Concen: 5.642 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.21 min
Lab File: BF120274.D
Acq: 1 May 2020 22:36

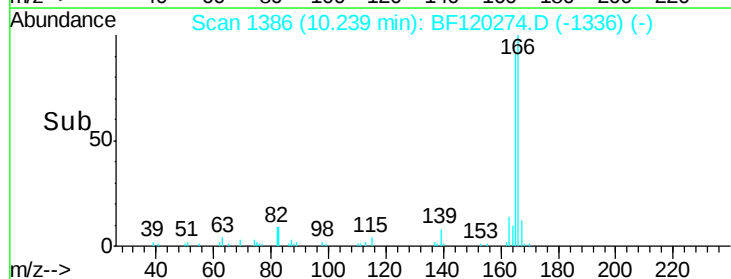
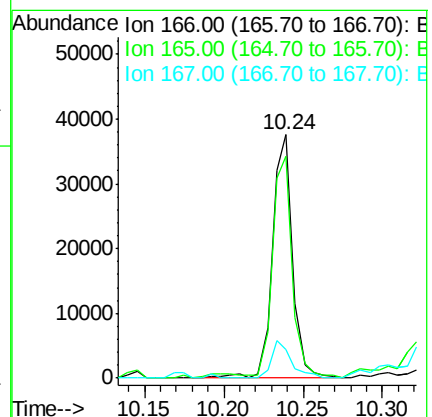
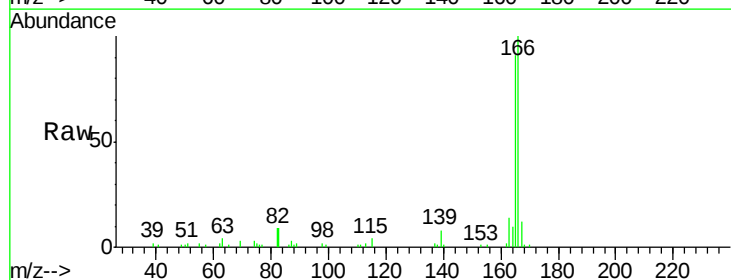
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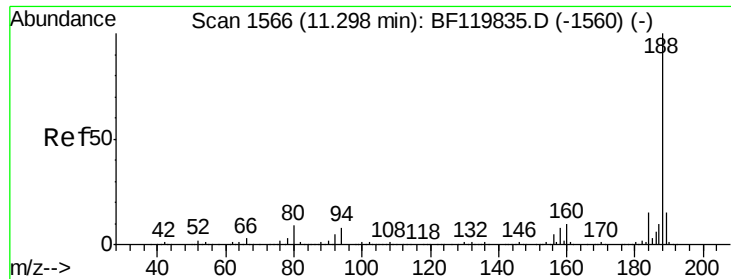
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.6	64.0#
89	0.0	61.0	91.4#
182	0.0	2.2	3.2#



#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	Ratio	Lower	Upper
166	100		
165	91.2	75.4	113.2
167	11.9	11.2	16.8

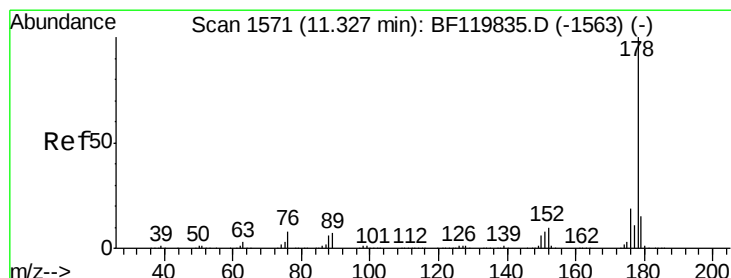
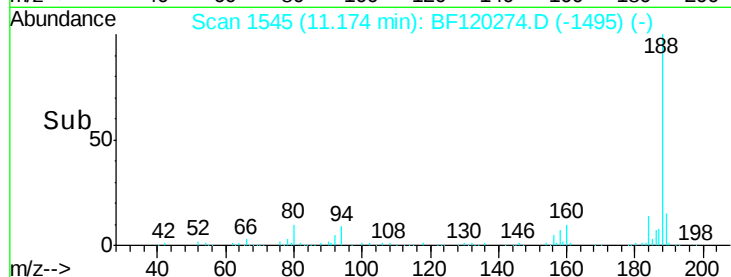
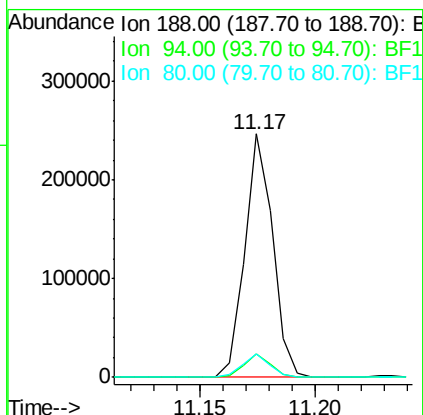
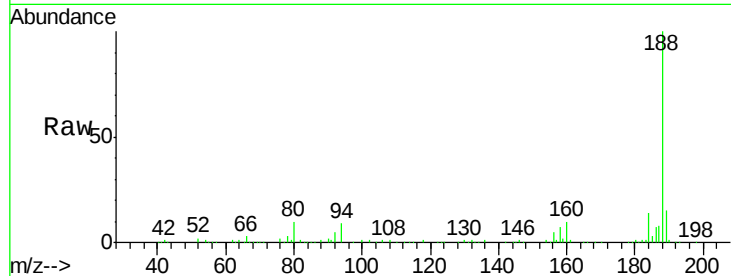




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1545
Delta R.T. -0.01 min
Lab File: BF120274.D
Acq: 1 May 2020 22:36

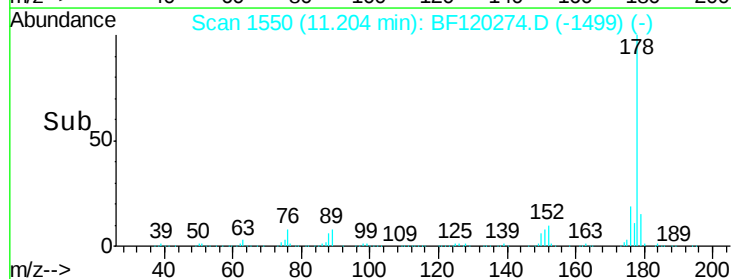
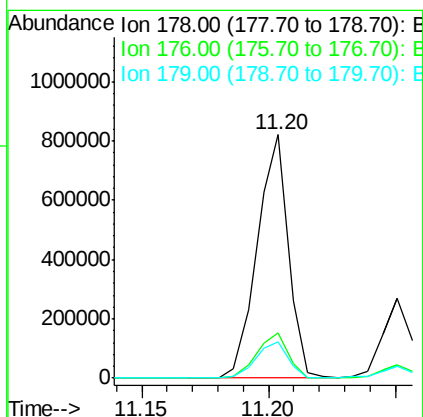
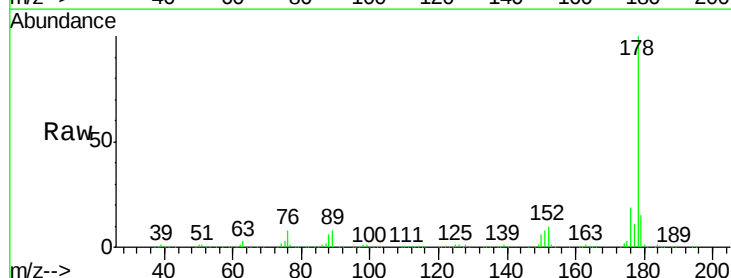
Instrument :
BNA_F
ClientSampleId :
RECOVERED-CRUSH-AGGREGAT

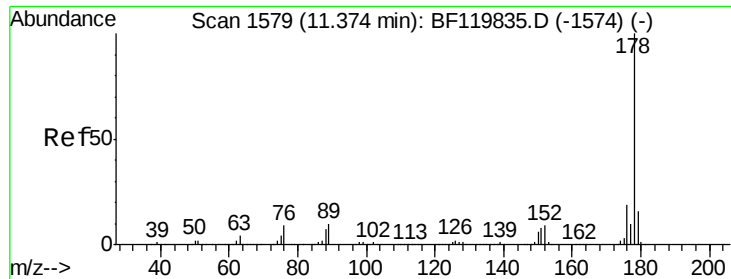
Tot Ion:188 Resp: 208858
Ion Ratio Lower Upper
188 100
94 9.4 7.5 11.3
80 9.6 9.0 13.4



#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

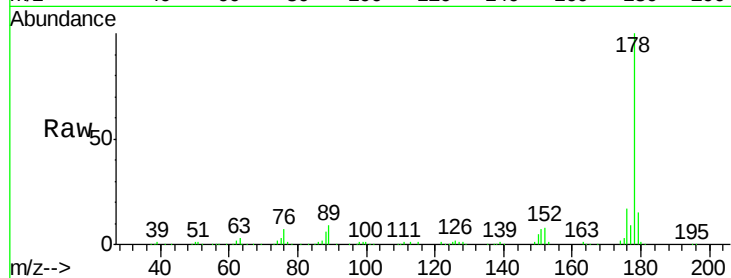




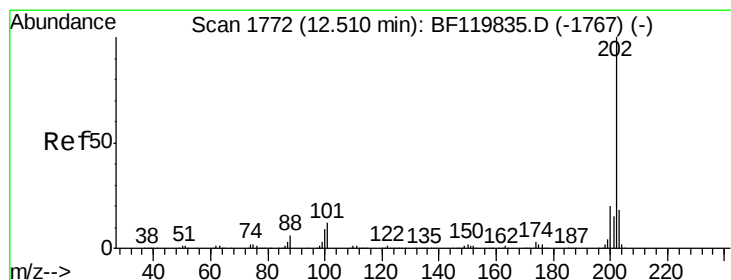
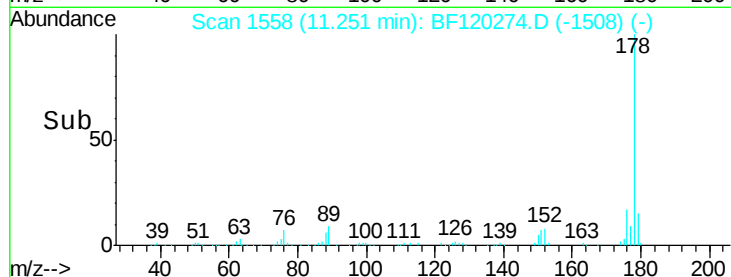
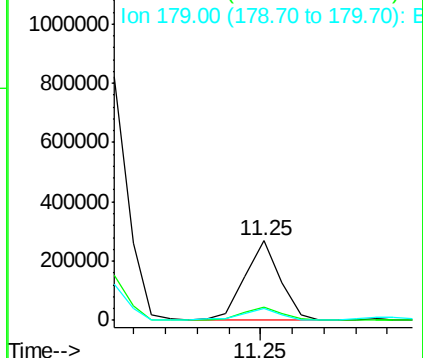
#72
 Anthracene
 Concen: 18.093 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF120274.D
 Acq: 1 May 2020 22:36

Instrument :
 BNA_F
 ClientSampleId :
 RECOVERED-CRUSH-AGGREGAT

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

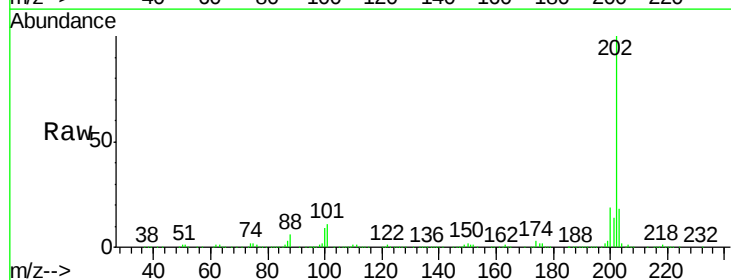


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

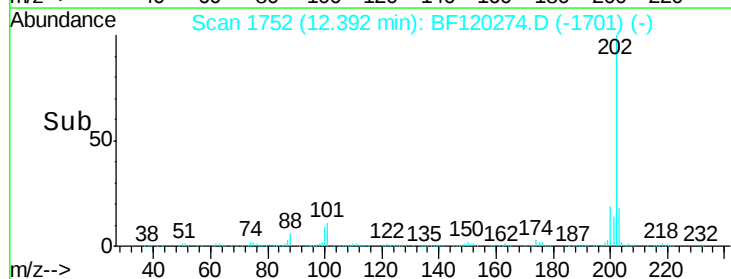
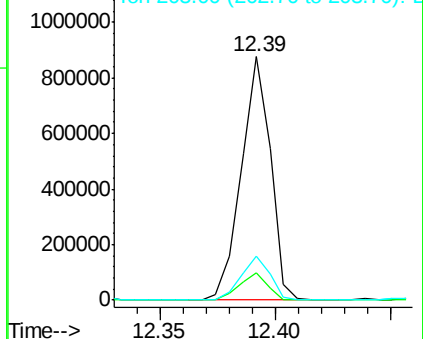


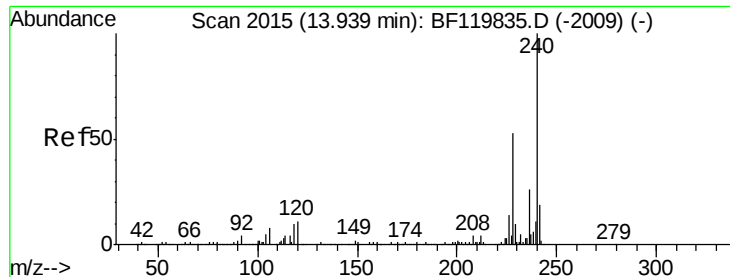
#75
 Fluoranthene
 Concen: 64.300 ng
 RT: 12.39 min Scan# 1752
 Delta R.T. 0.00 min
 Lab File: BF120274.D
 Acq: 1 May 2020 22:36

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





#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

ClientSampleId :

RECOVERED-CRUSH-AGGREGAT

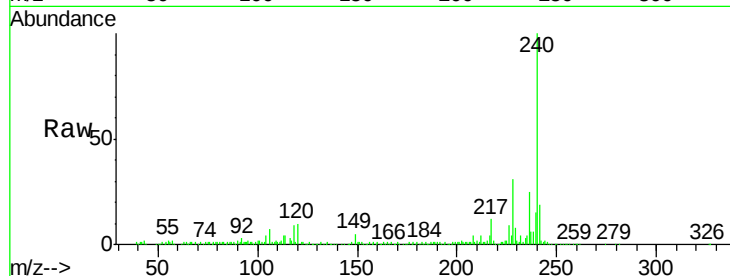
Tot Ion:240 Resp: 179205

Ion Ratio Lower Upper

240 100

120 10.0 10.6 15.8#

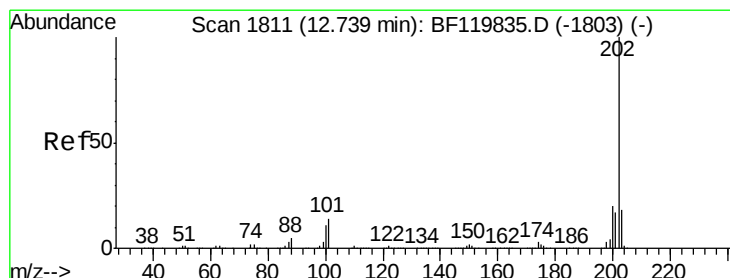
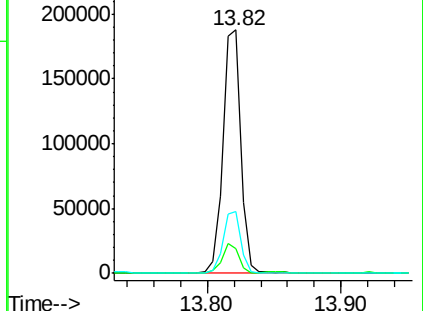
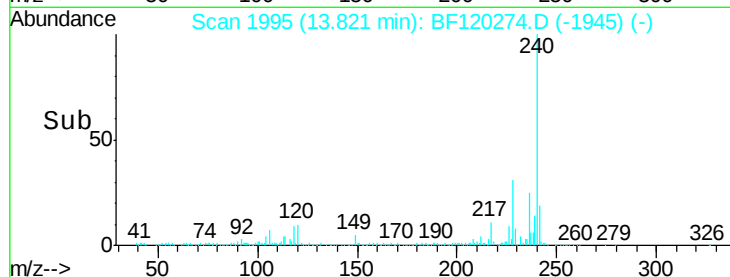
236 25.5 20.2 30.2



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: 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

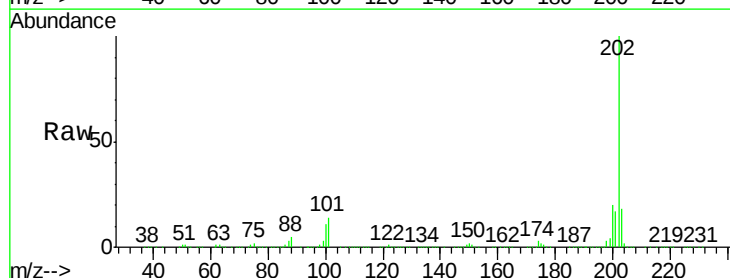
Tgt Ion:202 Resp: 925709

Ion Ratio Lower Upper

202 100

200 20.1 16.8 25.2

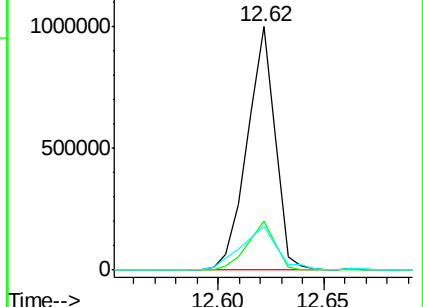
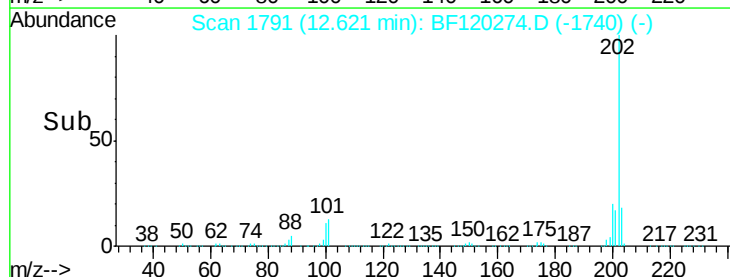
203 18.1 15.1 22.7

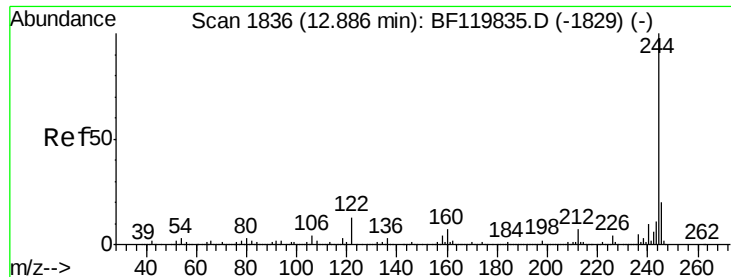


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 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 :

RECOVERED-CRUSH-AGGREGAT

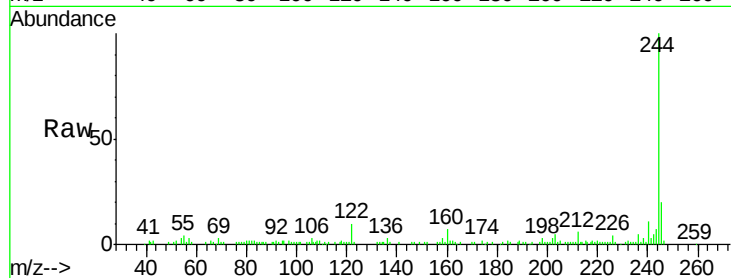
Tot Ion:244 Resp: 58661

Ion Ratio Lower Upper

244 100

212 5.6 5.8 8.8#

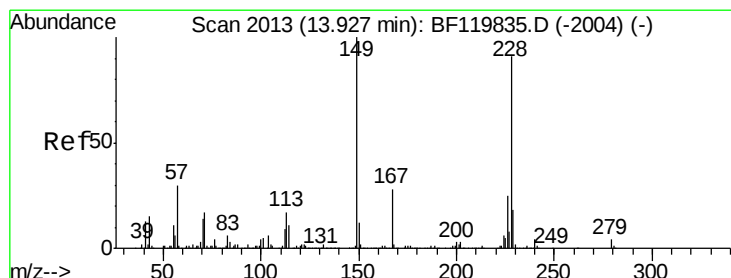
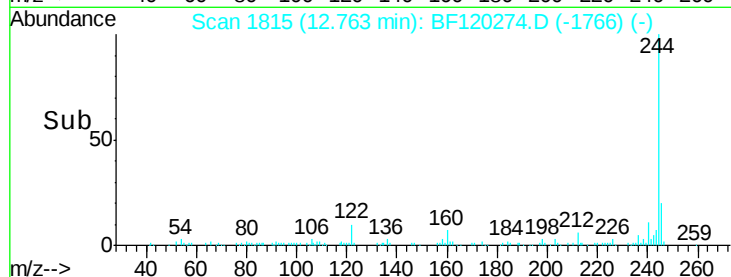
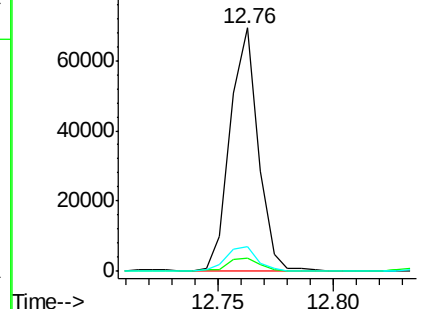
122 10.0 10.3 15.5#



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

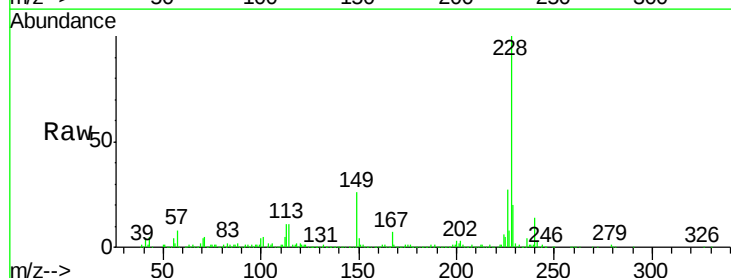
Tgt Ion:228 Resp: 405443

Ion Ratio Lower Upper

228 100

226 27.3 21.8 32.8

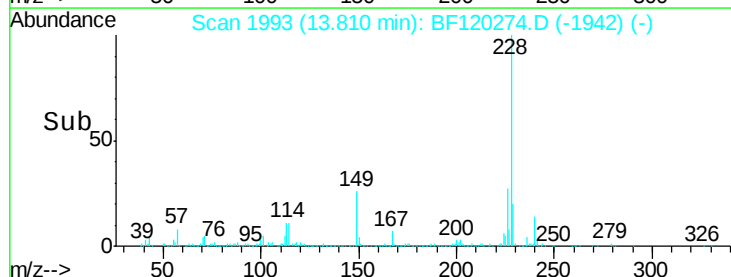
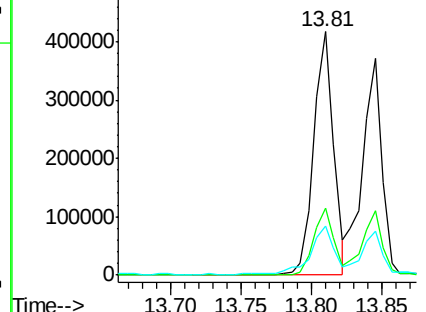
229 20.1 16.2 24.4

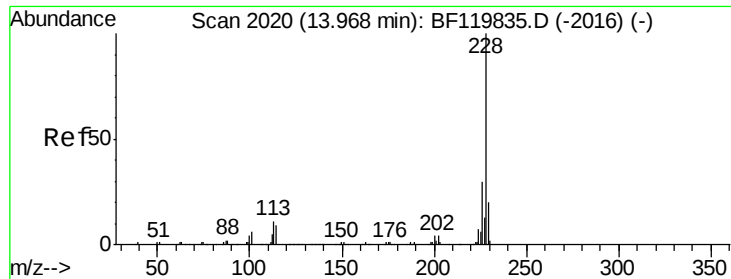


Abundance Ion 228.00 (227.70 to 228.70): E

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 :

RECOVERED-CRUSH-AGGREGAT

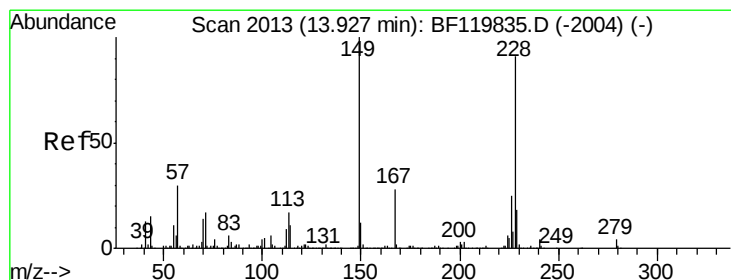
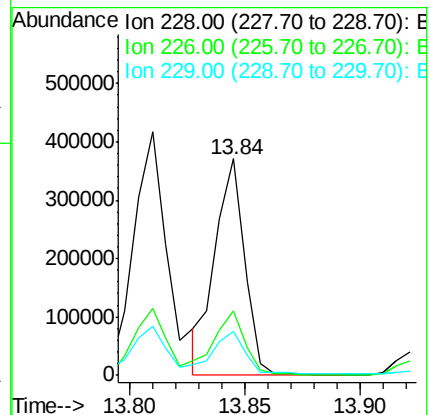
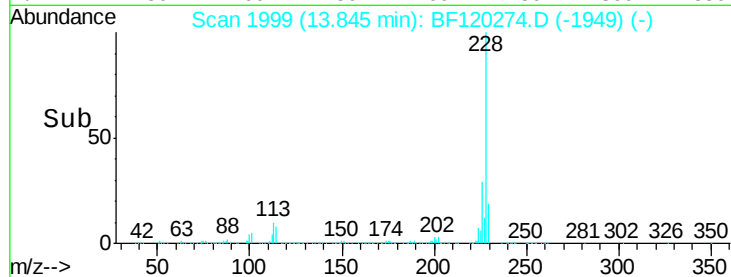
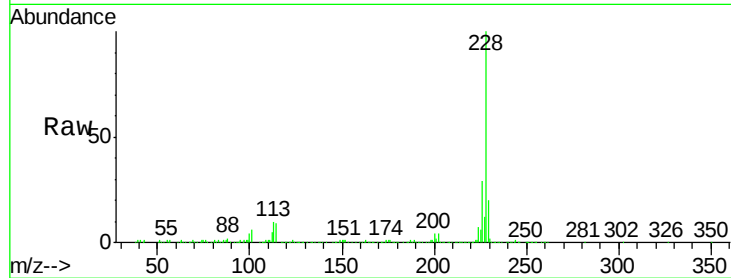
Tot Ion:228 Resp: 330517

Ion Ratio Lower Upper

228 100

226 29.5 25.4 38.0

229 20.2 16.6 24.8



#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

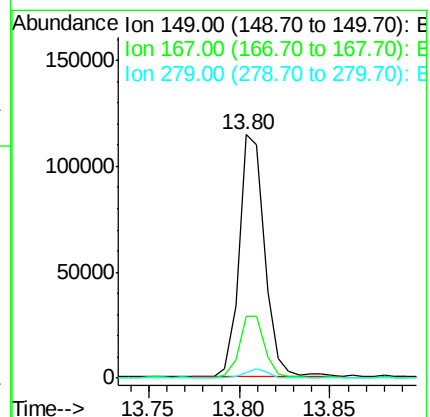
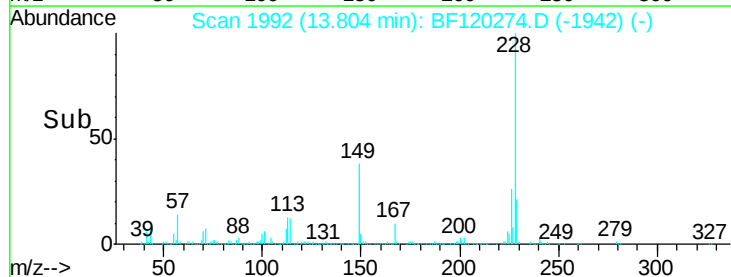
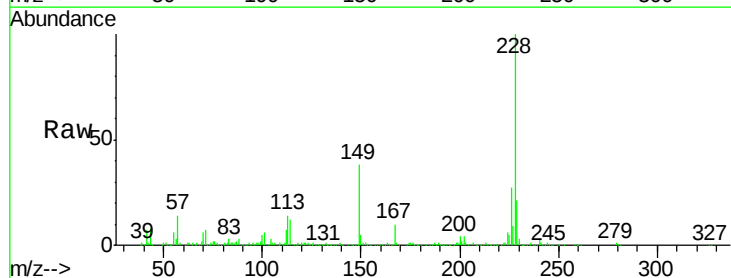
Tgt Ion:149 Resp: 111681

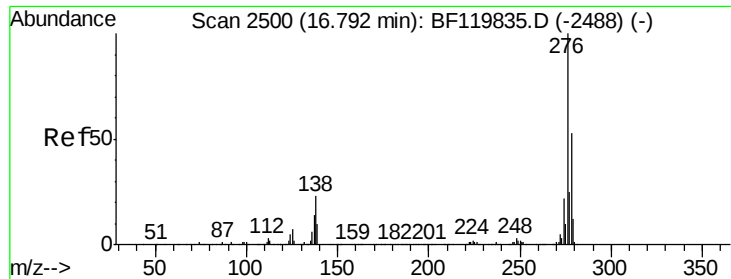
Ion Ratio Lower Upper

149 100

167 25.6 21.3 31.9

279 2.5 2.7 4.1#





#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 :

RECOVERED-CRUSH-AGGREGAT

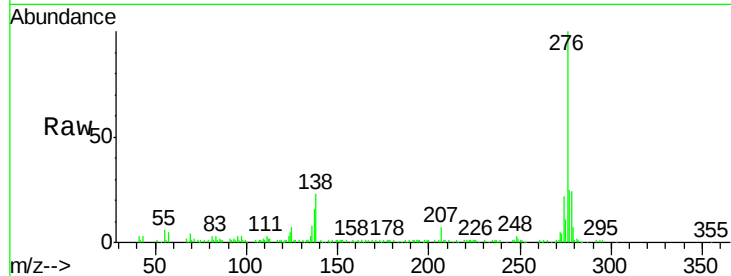
Tot Ion:276 Resp: 144244

Ion Ratio Lower Upper

276 100

138 21.2 19.6 29.4

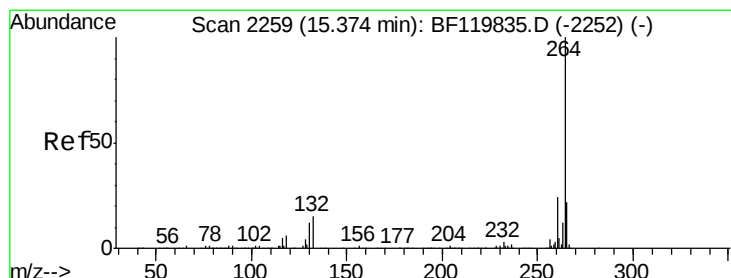
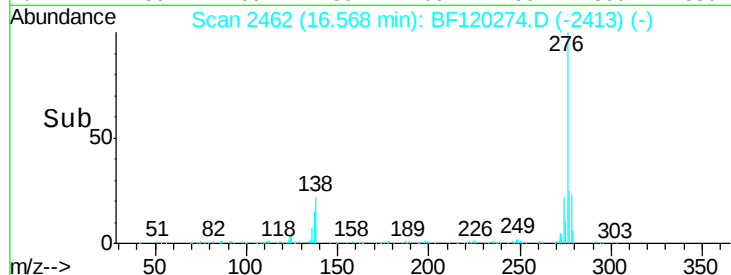
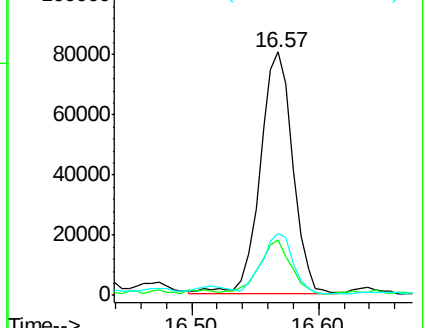
277 23.6 20.0 30.0



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

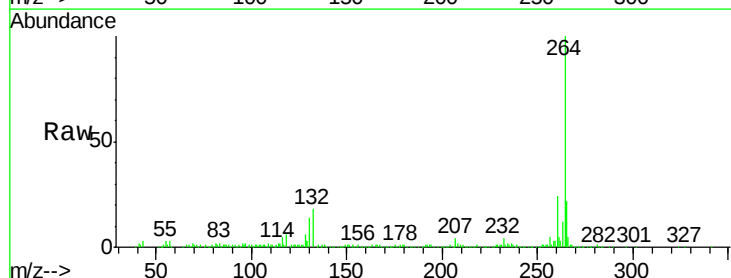
Tgt Ion:264 Resp: 181613

Ion Ratio Lower Upper

264 100

260 24.2 18.7 28.1

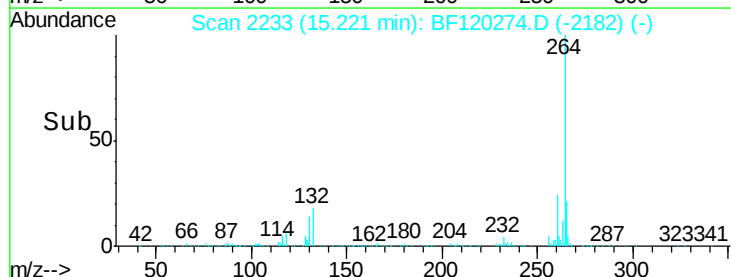
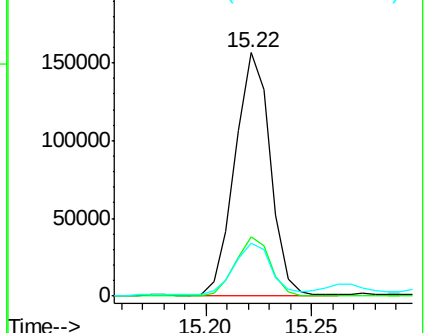
265 21.9 17.7 26.5

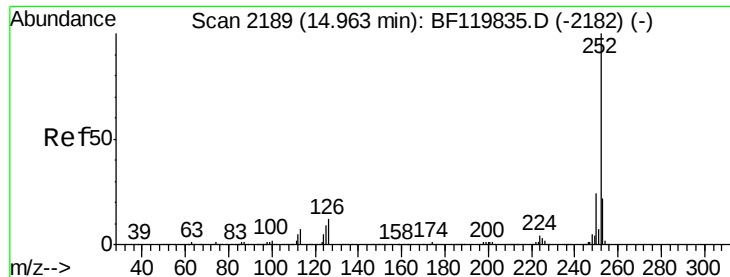


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

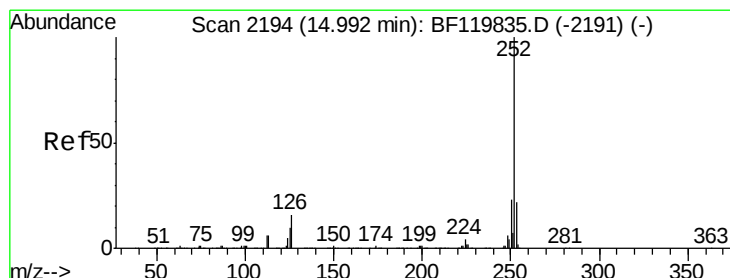
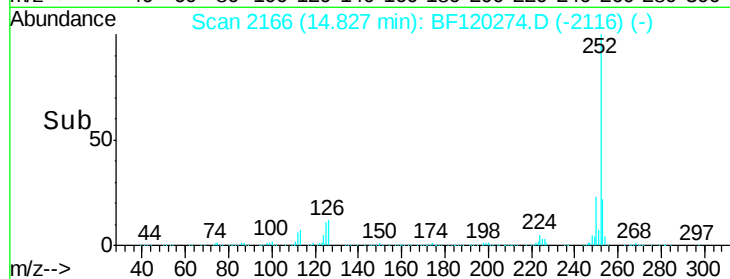
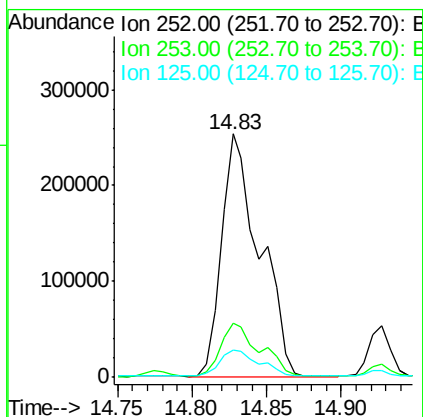
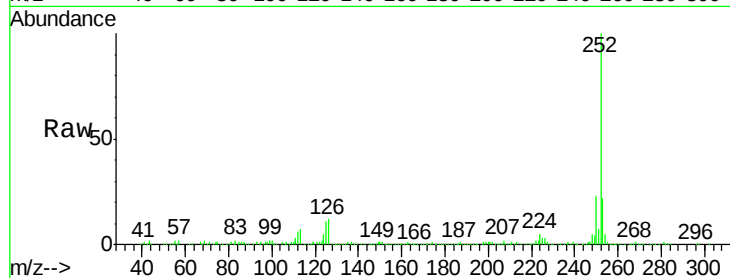




#88
Benzo(b)fluoranthene
Concen: 34.403 ng
RT: 14.83 min Scan# 2166
Delta R.T. -0.01 min
Lab File: BF120274.D
Acq: 1 May 2020 22:36

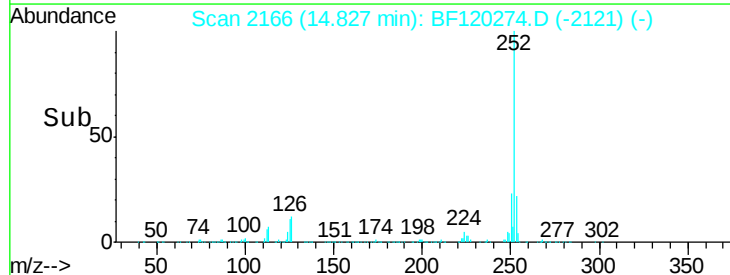
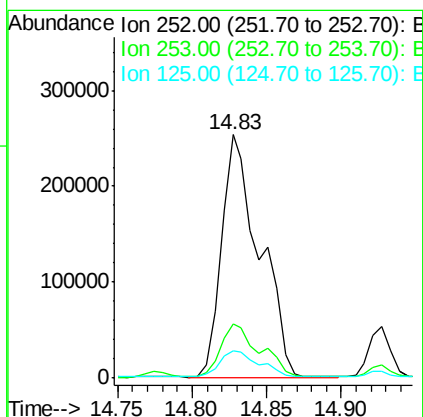
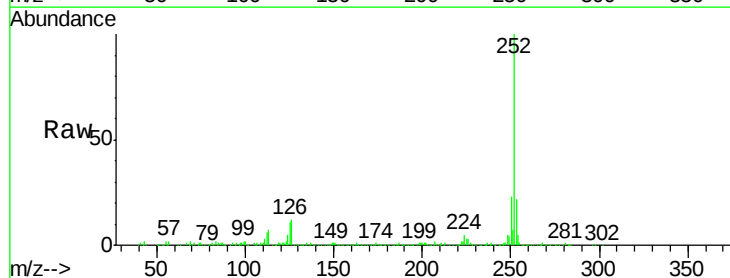
Instrument :
BNA_F
ClientSampleId :
RECOVERED-CRUSH-AGGREGAT

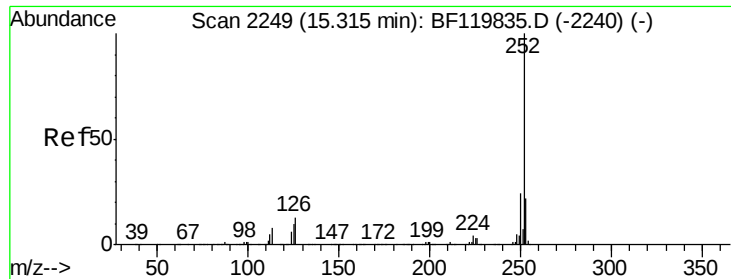
Tot Ion:252 Resp: 449464
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.0
125 11.3 7.9 11.9



#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

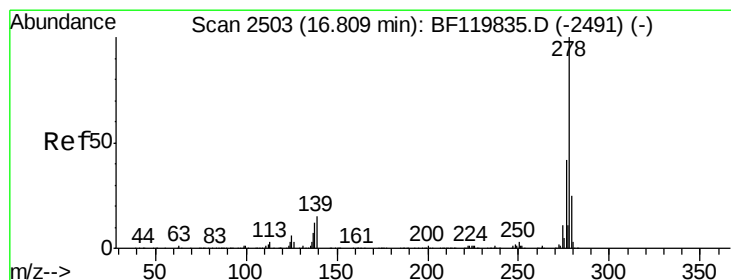
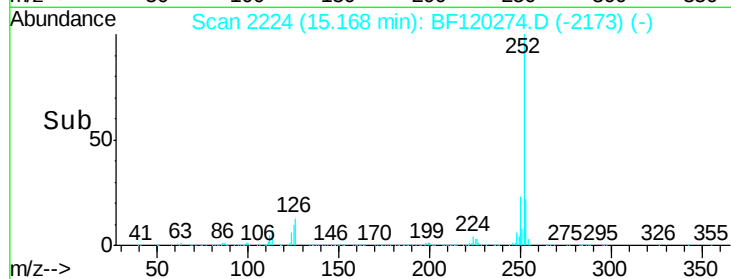
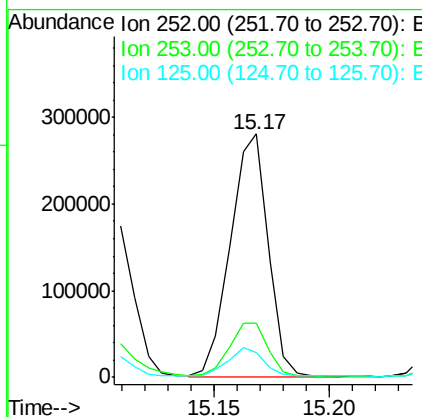
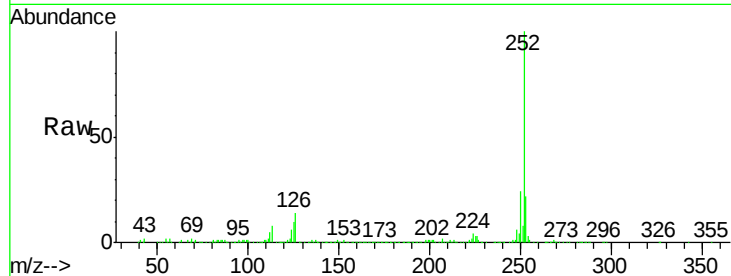




#90
Benzo(a)pyrene
Concen: 29.064 ng
RT: 15.17 min Scan# 2224
Delta R.T. 0.00 min
Lab File: BF120274.D
Acq: 1 May 2020 22:36

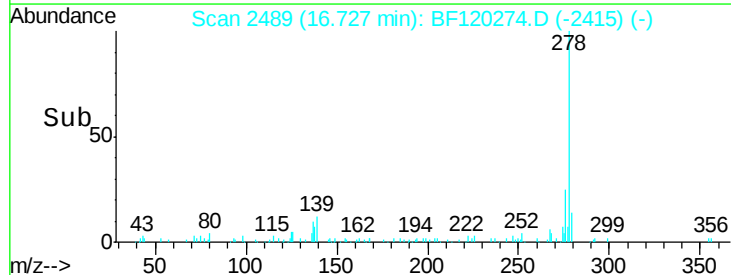
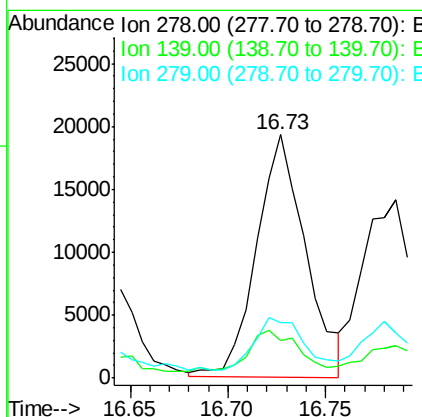
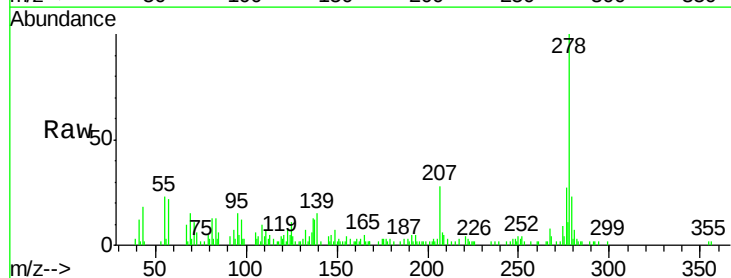
Instrument :
BNA_F
ClientSampleId :
RECOVERED-CRUSH-AGGREGAT

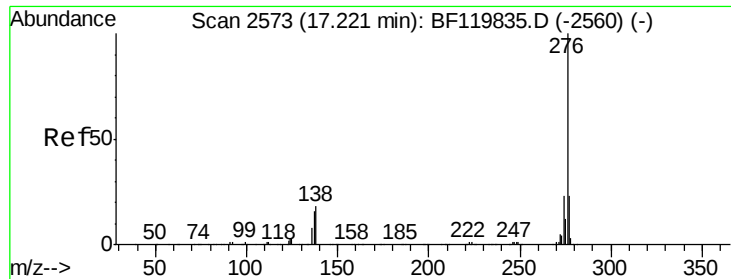
Tot Ion:252 Resp: 319269
Ion Ratio Lower Upper
252 100
253 22.2 18.2 27.2
125 10.1 9.4 14.2



#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 :
 RECOVERED-CRUSH-AGGREGAT

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

