

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072420\
 Data File : BF121018.D
 Acq On : 24 Jul 2020 22:52
 Operator : JU/CG
 Sample : L3383-13
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 24 23:51:53 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 14:20:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	152379	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	541109	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	276597	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	465902	20.00	ng	0.00
76) Chrysene-d12	13.97	240	380472	20.00	ng	0.00
86) Perylene-d12	15.42	264	419421	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	755833	81.32	ng	0.00
7) Phenol-d6	6.45	99	890428	74.16	ng	0.00
23) Nitrobenzene-d5	7.37	82	557340	59.60	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	214507	70.85	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1111284	59.99	ng	0.00
79) Terphenyl-d14	12.92	244	927842	53.01	ng	0.00

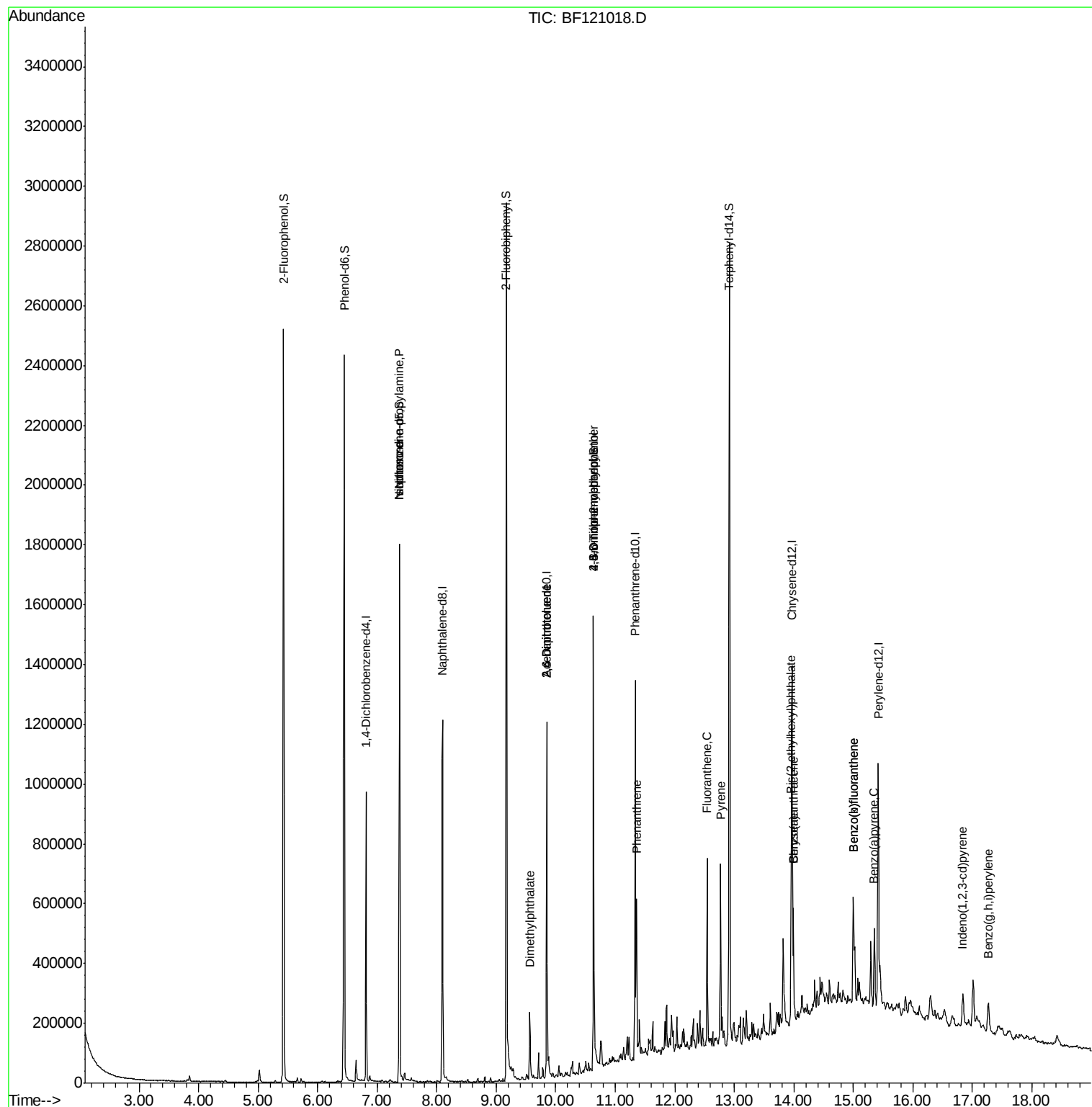
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	463	Below Cal		# 46
19) n-Nitroso-di-n-propylamine	7.37	70	73695	10.794	ng	# 78
25) Isophorone	7.37	82	549866	29.462	ng	# 63
50) Dimethylphthalate	9.56	163	97642	4.893	ng	99
51) 2,6-Dinitrotoluene	9.85	165	35749	8.339	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	35876	6.372	ng	# 28
65) 4,6-Dinitro-2-methylphenol	10.63	198	458	3.999	ng	# 1
67) 4-Bromophenyl-phenylether	10.63	248	12321	2.372	ng	# 1
71) Phenanthrene	11.36	178	184367	7.694	ng	98
75) Fluoranthene	12.55	202	269852	10.160	ng	96
78) Pyrene	12.77	202	250027	9.295	ng	99
81) Benzo(a)anthracene	13.99	228	139413	6.051	ng	96
83) Chrysene	13.99	228	139413	5.758	ng	97
84) Bis(2-ethylhexyl)phthalate	13.95	149	36164	2.446	ng	99
87) Indeno(1,2,3-cd)pyrene	16.84	276	80038	2.744	ng	96
88) Benzo(b)fluoranthene	15.00	252	277497	10.946	ng	# 97
89) Benzo(k)fluoranthene	15.00	252	277497	12.002	ng	# 97
90) Benzo(a)pyrene	15.35	252	136369	5.896	ng	96
92) Benzo(a,h,i)perylene	17.27	276	76256	3.246	ng	97

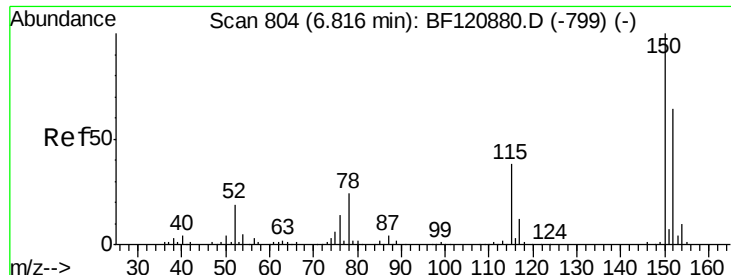
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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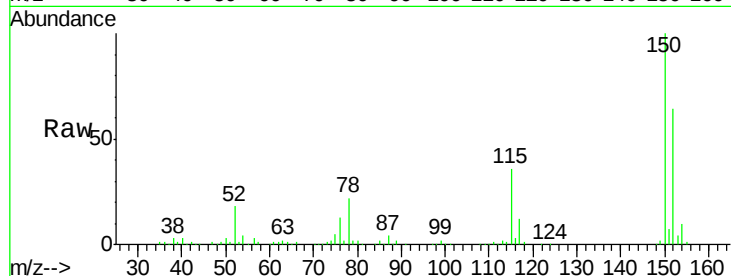


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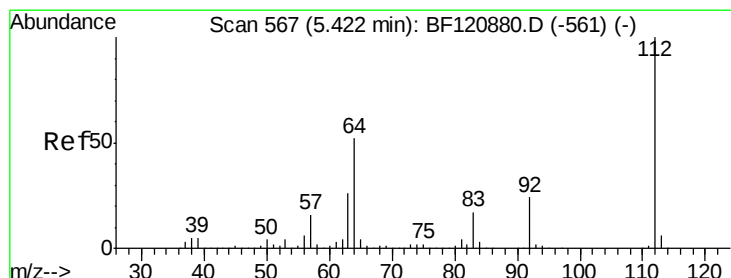
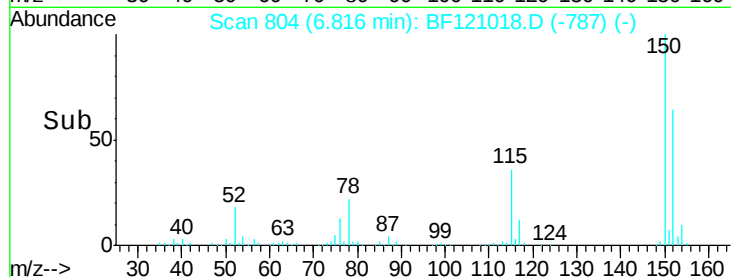
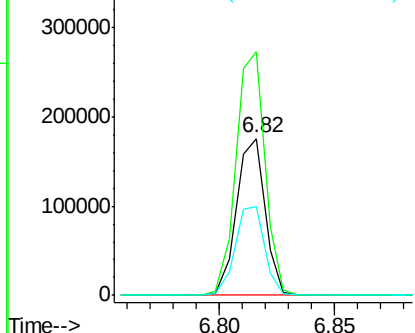
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF121018.D
Acq: 24 Jul 2020 22:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 152379
Ion Ratio Lower Upper
152 100
150 155.1 125.0 187.6
115 56.4 47.0 70.4



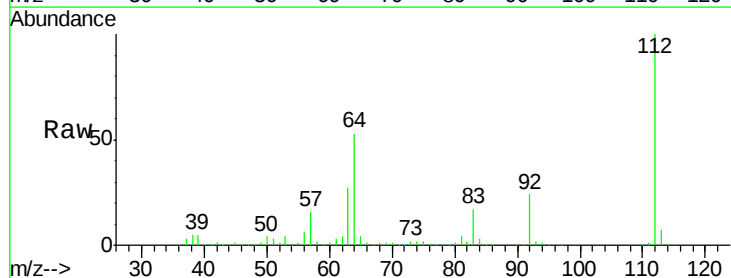
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



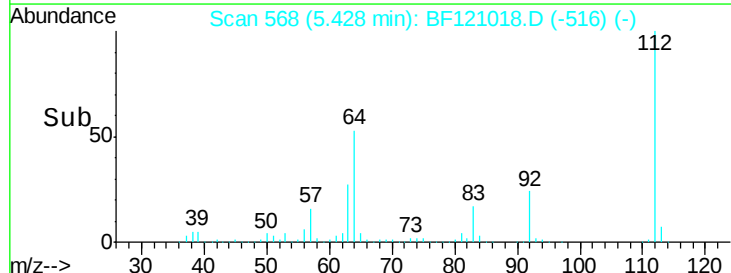
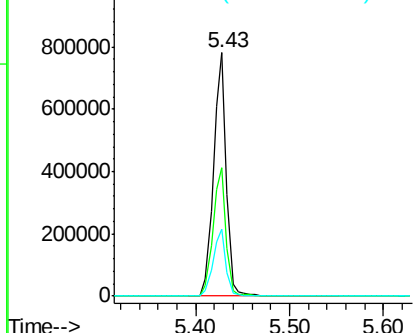
#5

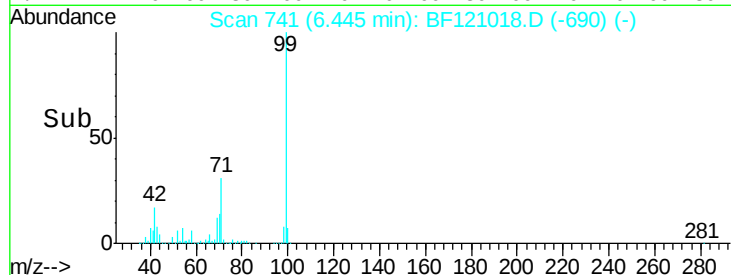
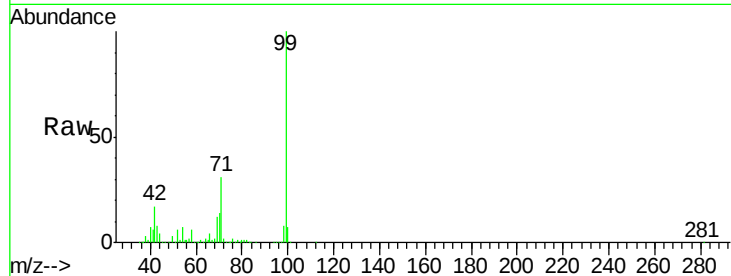
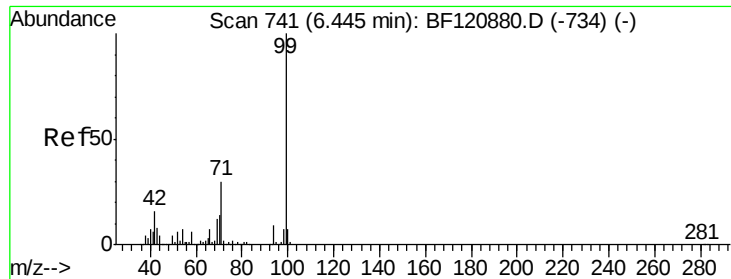
2-Fluorophenol
Concen: 81.316 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF121018.D
Acq: 24 Jul 2020 22:52

Tgt Ion:112 Resp: 755833
Ion Ratio Lower Upper
112 100
64 52.7 41.3 61.9
63 27.3 21.1 31.7



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: 74.160 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF121018.D

Acq: 24 Jul 2020 22:52

Instrument :

BNA_F

ClientSampleId :

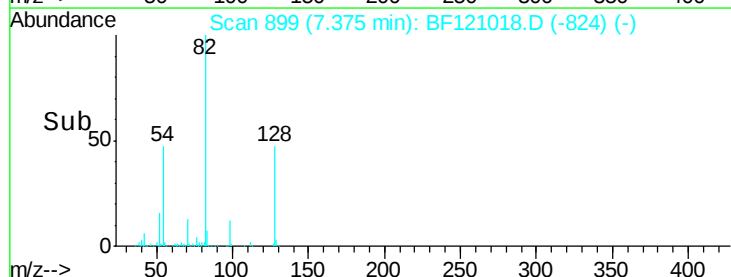
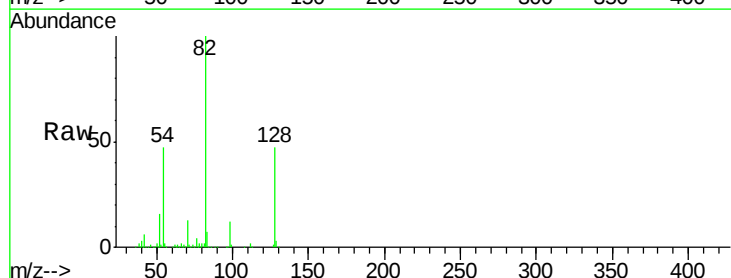
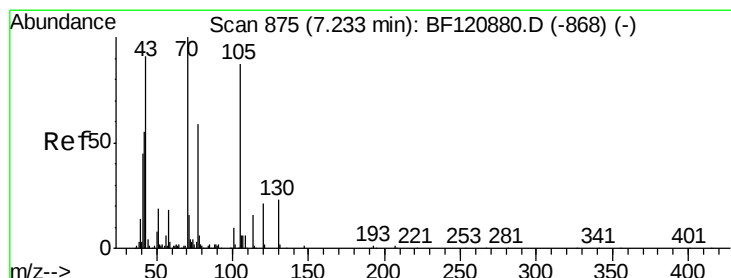
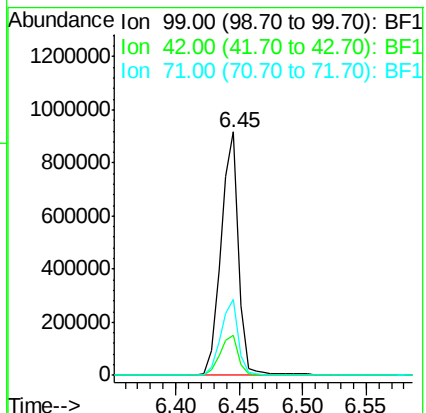
Tot Ion: 99 Resp: 890428

Ion Ratio Lower Upper

99 100

42 16.5 13.1 19.7

71 31.0 24.2 36.4



#19

n-Nitroso-di-n-propylamine

Concen: 10.794 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF121018.D

Acq: 24 Jul 2020 22:52

Tgt Ion: 70 Resp: 73695

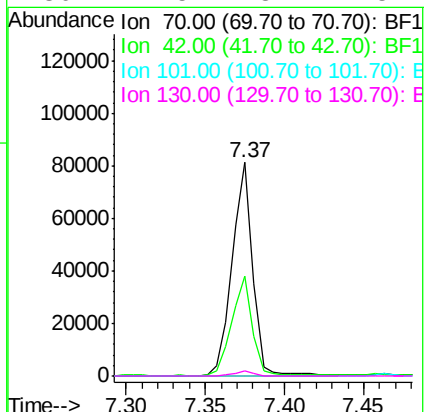
Ion Ratio Lower Upper

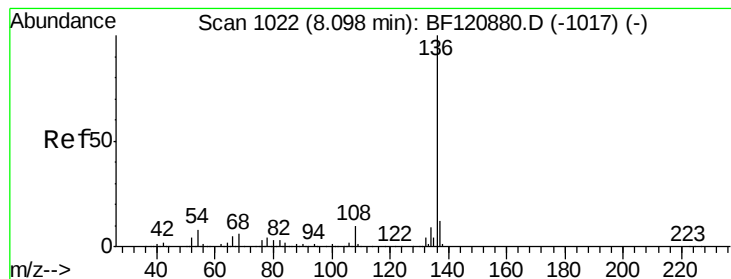
70 100

42 46.6 44.0 66.0

101 0.0 7.8 11.6#

130 2.5 18.7 28.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF121018.D

Acq: 24 Jul 2020 22:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 541109

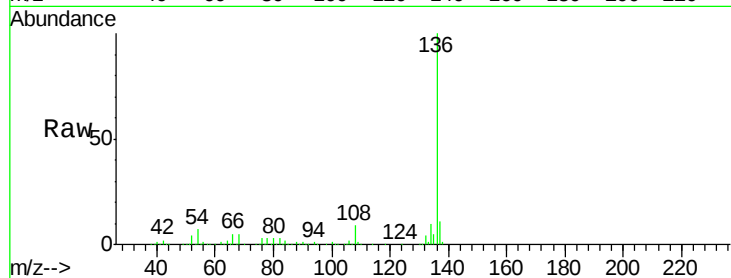
Ion Ratio Lower Upper

136 100

137 11.2 9.3 13.9

54 6.8 6.3 9.5

68 5.2 5.0 7.4

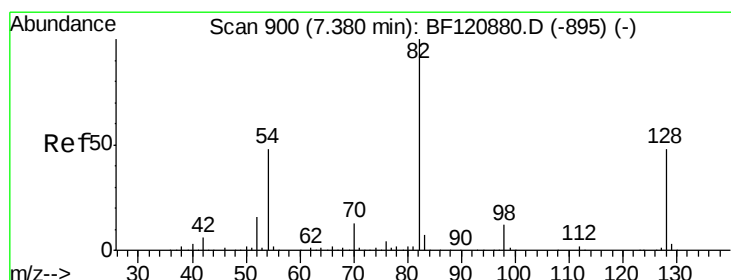
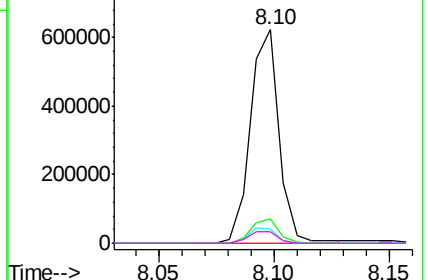
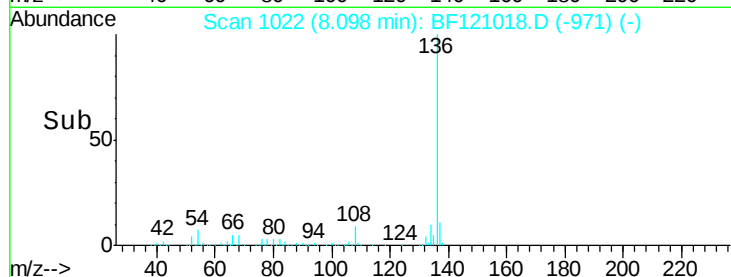


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.599 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF121018.D

Acq: 24 Jul 2020 22:52

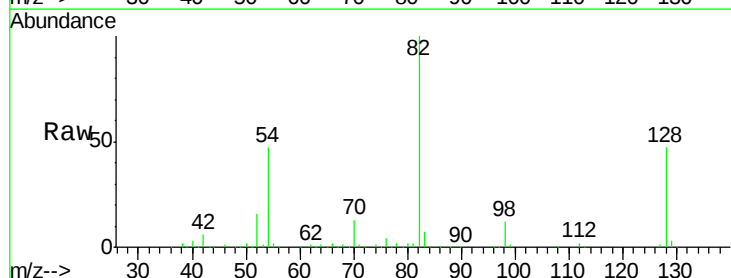
Tgt Ion: 82 Resp: 557340

Ion Ratio Lower Upper

82 100

128 47.5 38.2 57.4

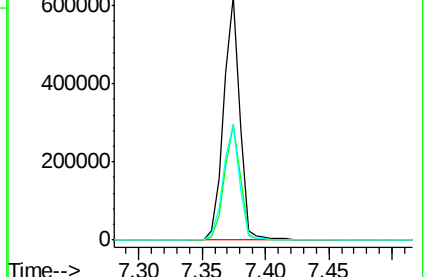
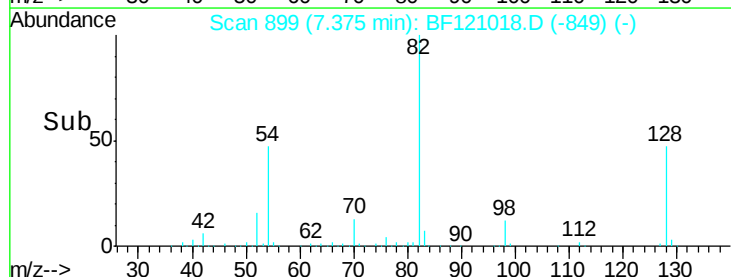
54 47.5 38.7 58.1

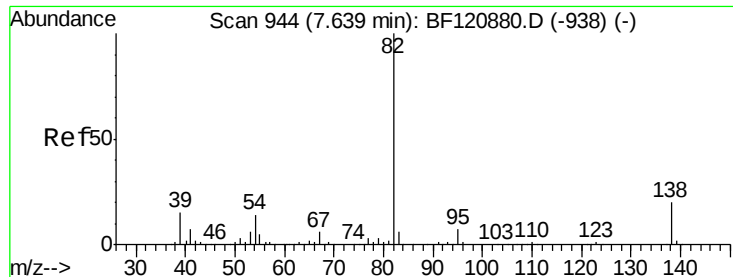


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

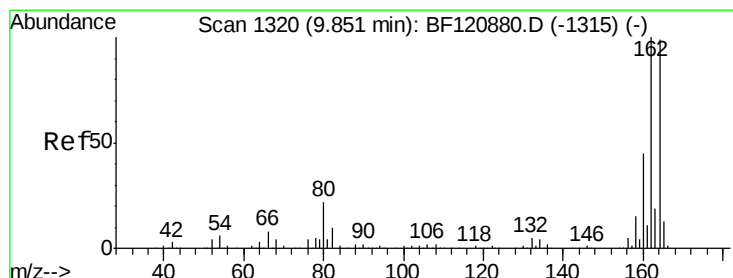
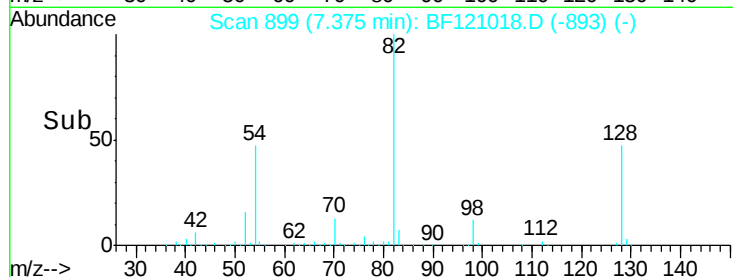
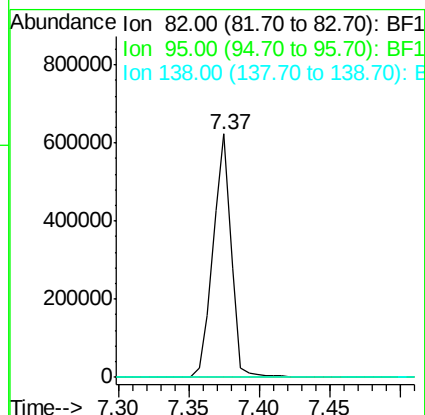
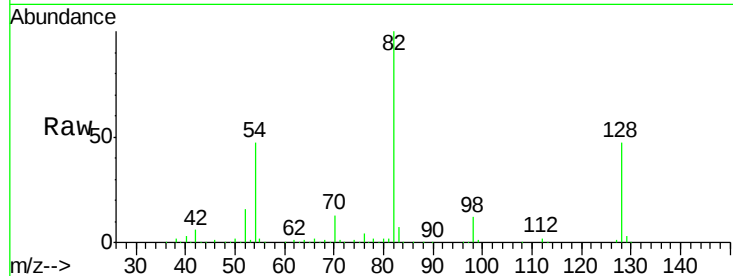




#25
Isophorone
Concen: 29.462 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.26 min
Lab File: BF121018.D
Acq: 24 Jul 2020 22:52

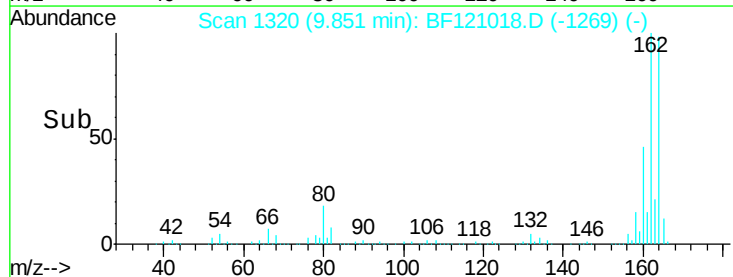
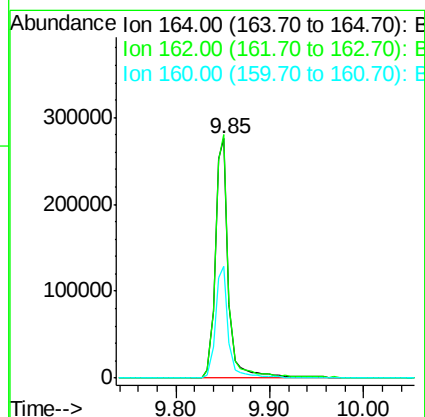
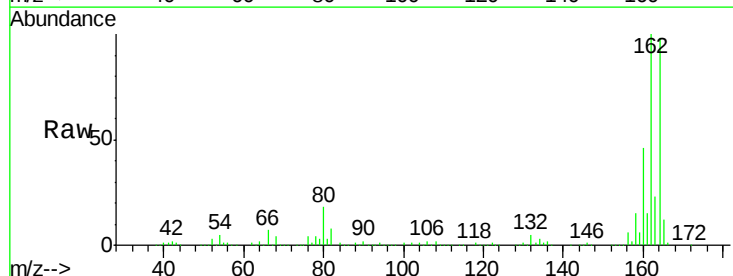
Instrument :
BNA_F
ClientSampleId :

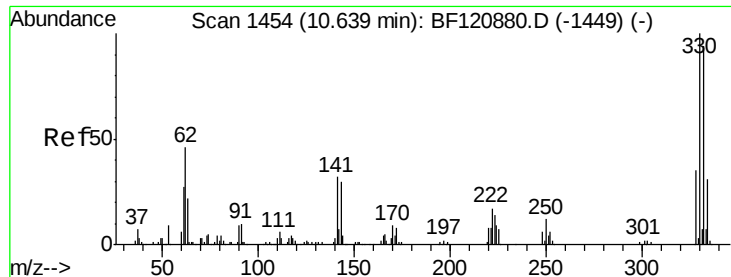
Tot Ion: 82 Resp: 549866
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 15.6 23.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BF121018.D
Acq: 24 Jul 2020 22:52

Tgt Ion:164 Resp: 276597
Ion Ratio Lower Upper
164 100
162 101.8 81.2 121.8
160 46.7 36.9 55.3

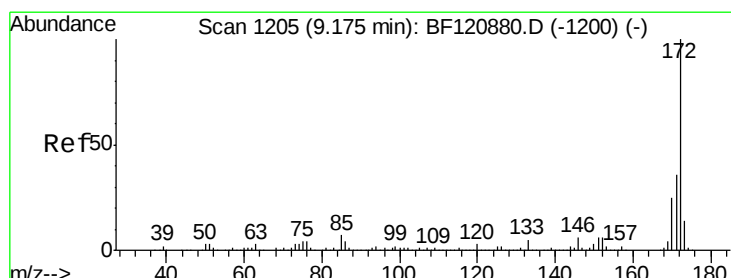
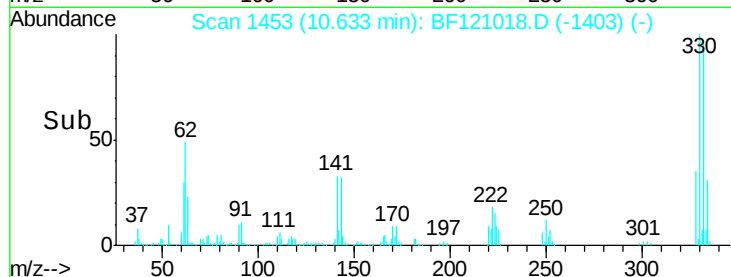
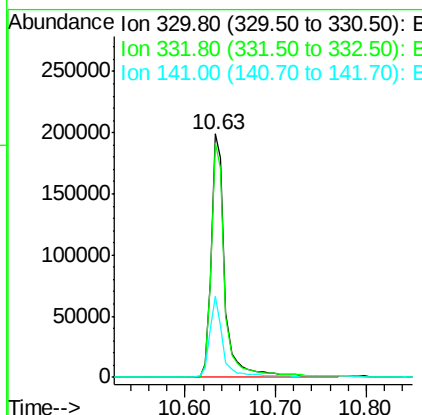
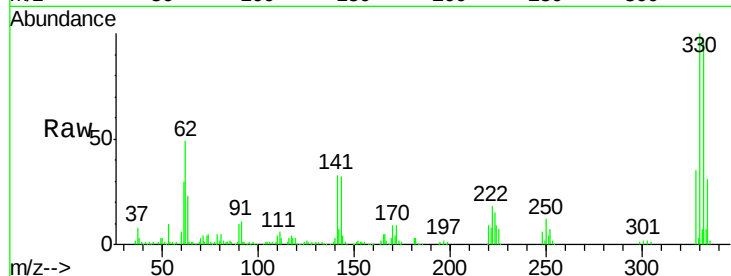




#42
 2,4,6-Tribromophenol
 Concen: 70.850 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF121018.D
 Acq: 24 Jul 2020 22:52

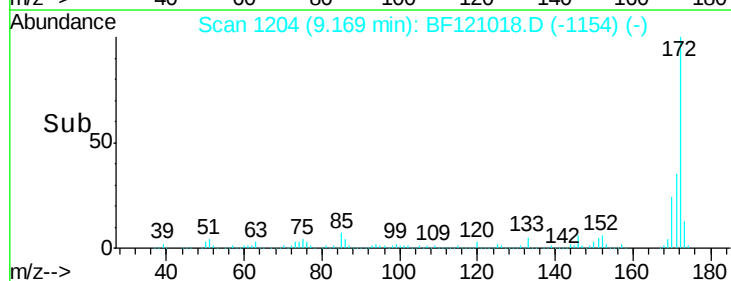
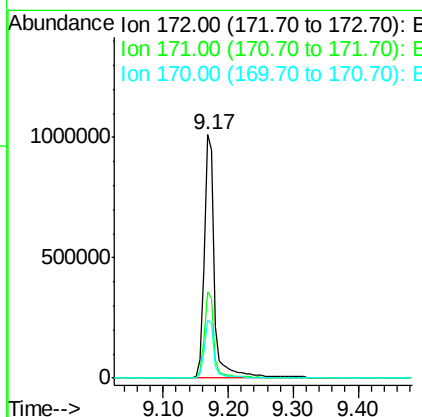
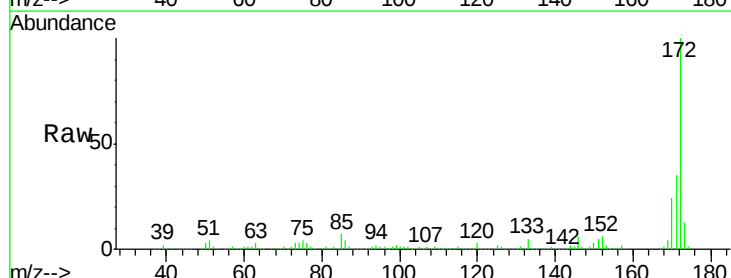
Instrument :
 BNA_F
 ClientSampled :

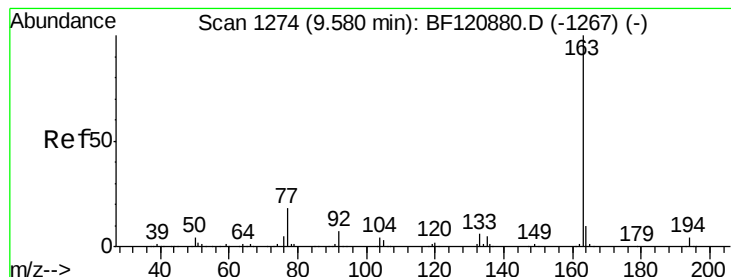
Tot Ion	330	332	141
Resp:	214507		
Ion Ratio	100	97.3	31.2
Lower		75.5	25.7
Upper		113.3	38.5



#45
 2-Fluorobiphenyl
 Concen: 59.986 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF121018.D
 Acq: 24 Jul 2020 22:52

Tgt Ion	172	171	170
Resp:	1111284		
Ion Ratio	100	35.4	23.7
Lower		29.0	19.6
Upper		43.4	29.4





#50

Dimethylphthalate

Concen: 4.893 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.02 min

Lab File: BF121018.D

Acq: 24 Jul 2020 22:52

Instrument :

BNA_F

ClientSampleId :

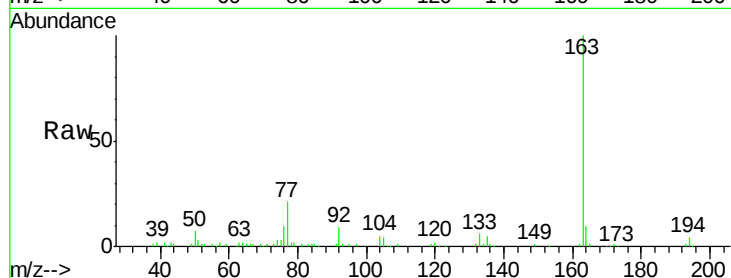
Tot Ion:163 Resp: 97642

Ion Ratio Lower Upper

163 100

194 3.7 3.2 4.8

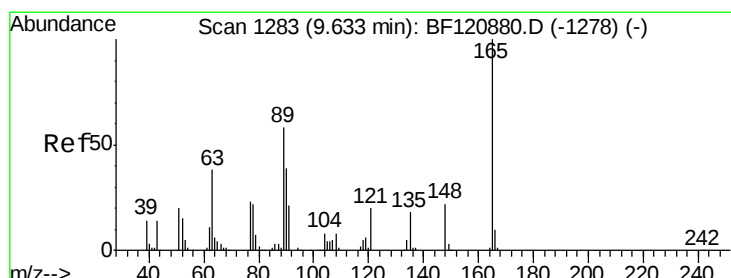
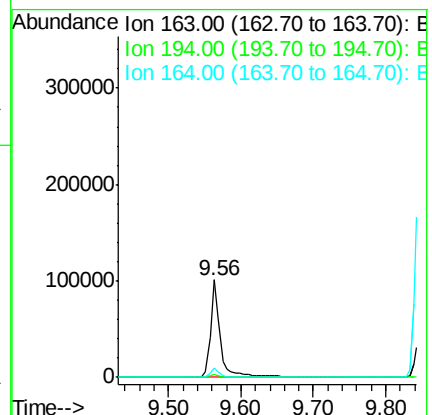
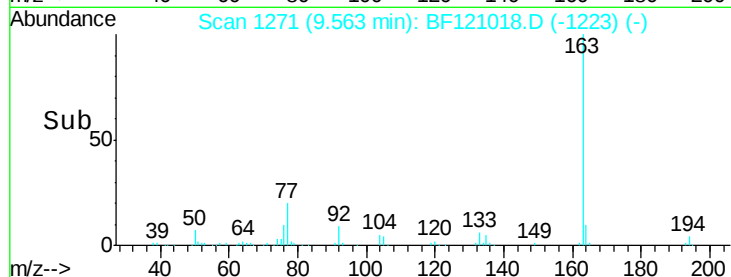
164 10.2 7.9 11.9



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



#51

2,6-Dinitrotoluene

Concen: 8.339 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.22 min

Lab File: BF121018.D

Acq: 24 Jul 2020 22:52

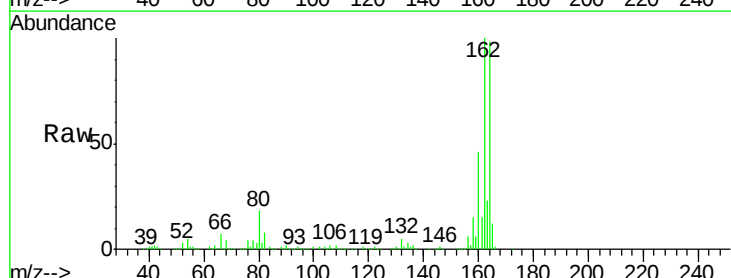
Tgt Ion:165 Resp: 35749

Ion Ratio Lower Upper

165 100

63 1.2 45.4 68.2#

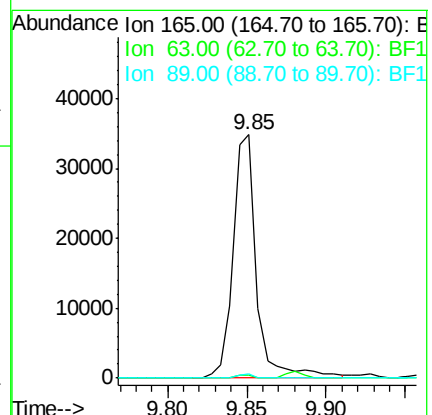
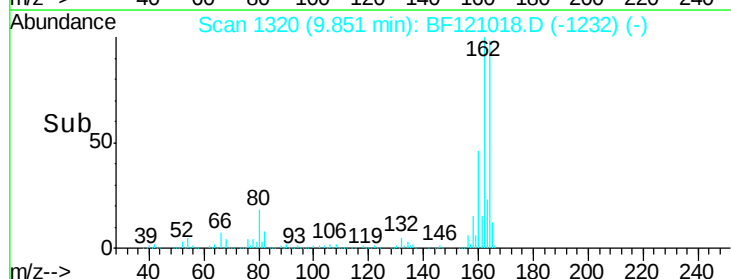
89 1.7 47.0 70.4#

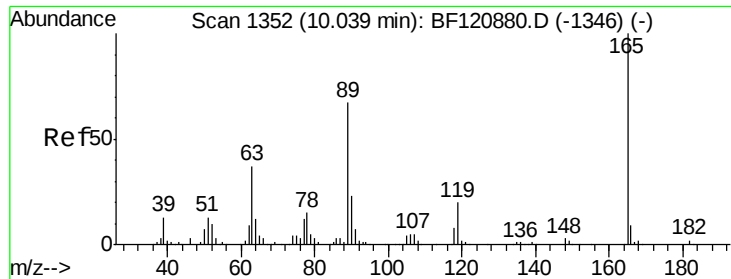


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

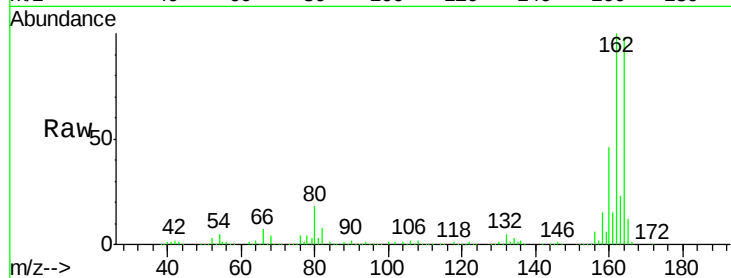




#57
2,4-Dinitrotoluene
Concen: 6.372 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.19 min
Lab File: BF121018.D
Acq: 24 Jul 2020 22:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	29.4	44.2#
89	1.7	53.4	80.0#
182	0.0	1.8	2.6#

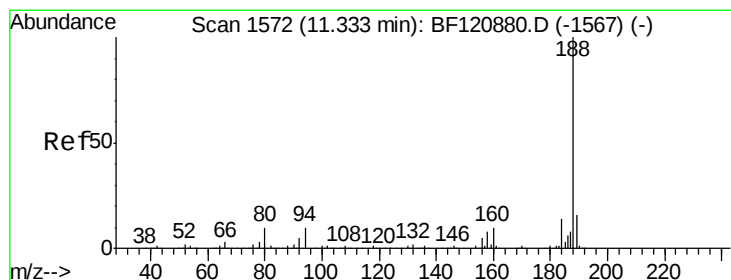
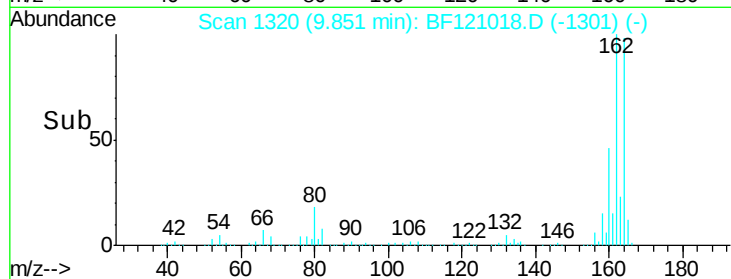
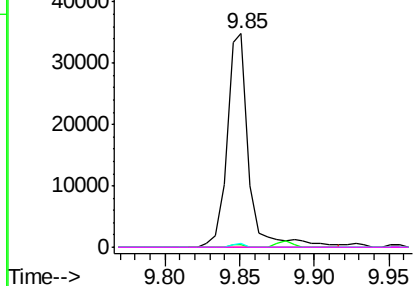


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

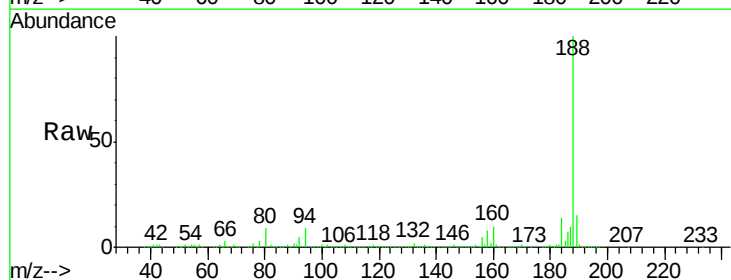
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF121018.D
Acq: 24 Jul 2020 22:52

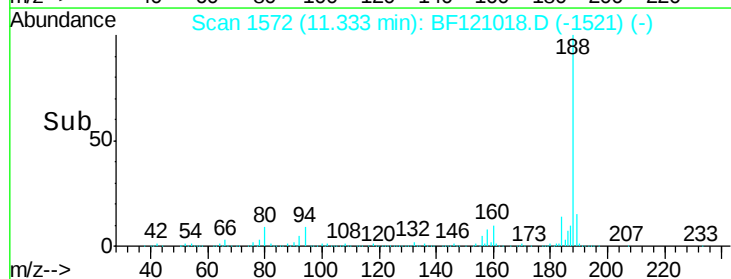
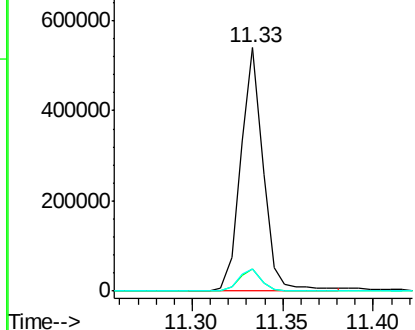
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.0	12.0
80	9.3	8.3	12.5

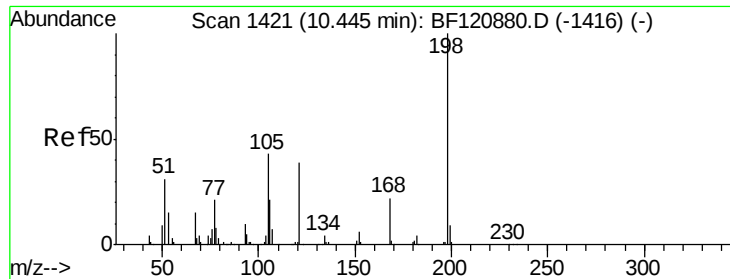


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 3.999 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.19 min

Lab File: BF121018.D

Acq: 24 Jul 2020 22:52

Instrument :

BNA_F

ClientSampleId :

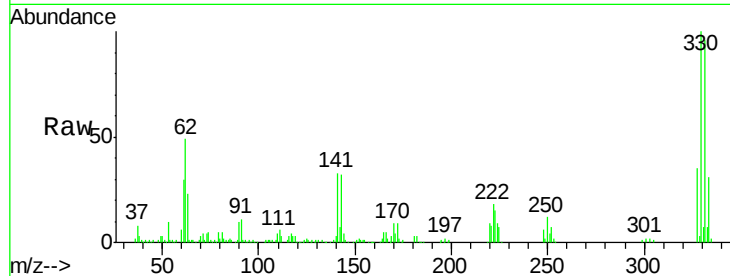
Tot Ion:198 Resp: 458

Ion Ratio Lower Upper

198 100

51 196.9 19.5 59.5#

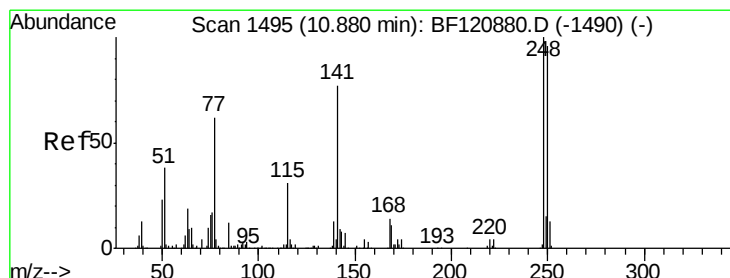
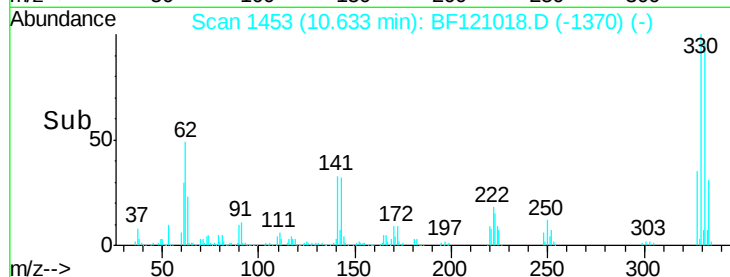
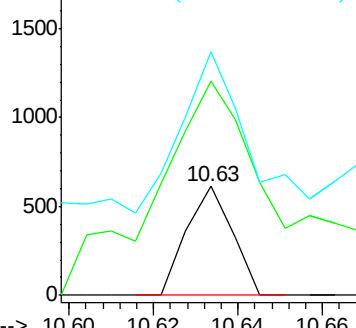
105 223.5 24.4 64.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 2.372 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.25 min

Lab File: BF121018.D

Acq: 24 Jul 2020 22:52

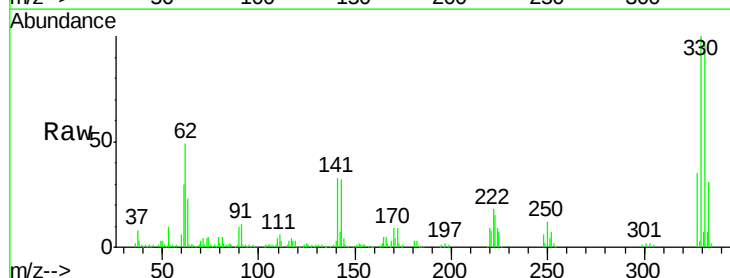
Tgt Ion:248 Resp: 12321

Ion Ratio Lower Upper

248 100

250 194.8 77.1 115.7#

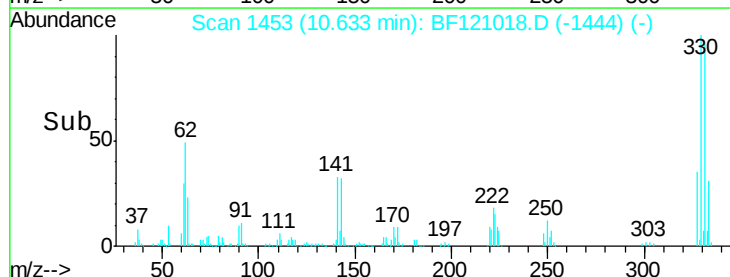
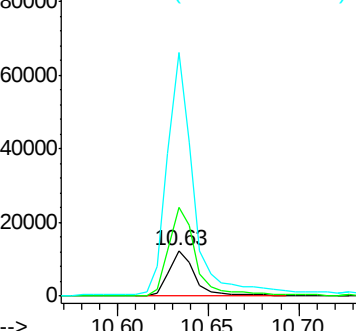
141 532.0 61.2 91.8#

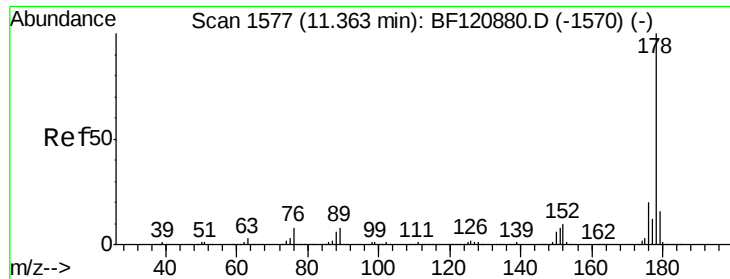


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

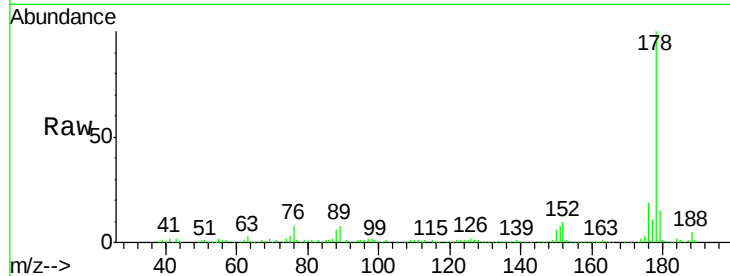




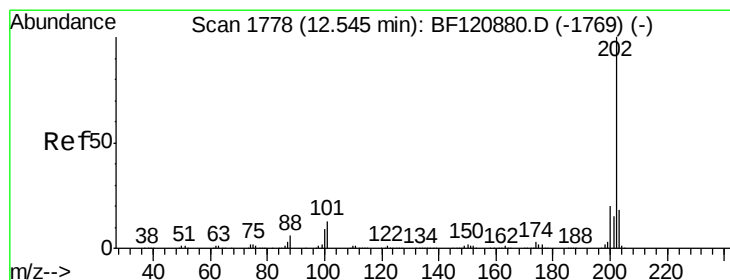
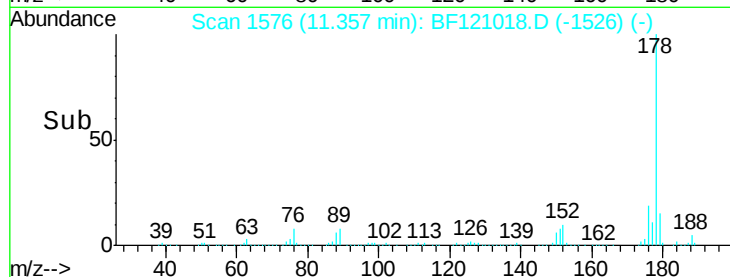
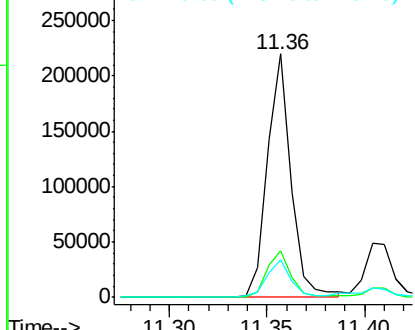
#71
Phenanthrene
Concen: 7.694 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF121018.D
Acq: 24 Jul 2020 22:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 184367
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.4
179 15.5 12.8 19.2

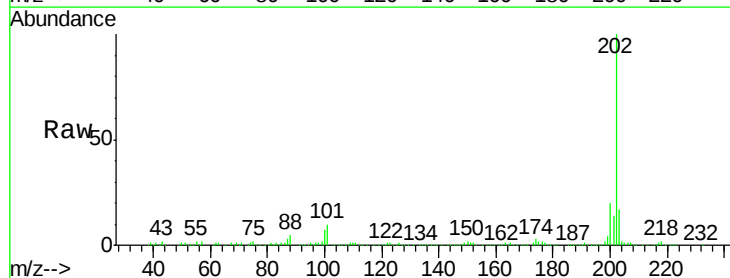


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

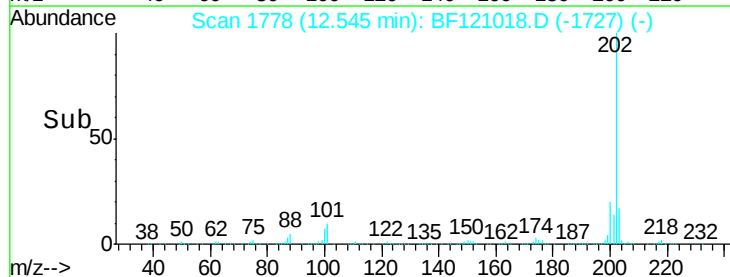
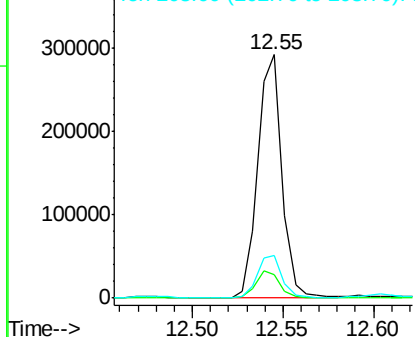


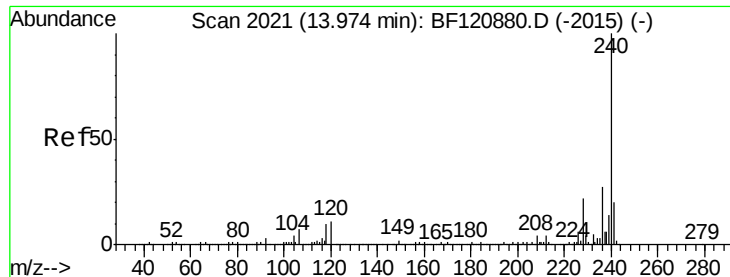
#75
Fluoranthene
Concen: 10.160 ng
RT: 12.55 min Scan# 1778
Delta R.T. 0.00 min
Lab File: BF121018.D
Acq: 24 Jul 2020 22:52

Tgt Ion:202 Resp: 269852
Ion Ratio Lower Upper
202 100
101 9.8 0.0 32.7
203 17.4 0.0 38.0



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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF121018.D

Acq: 24 Jul 2020 22:52

Instrument :

BNA_F

ClientSampleId :

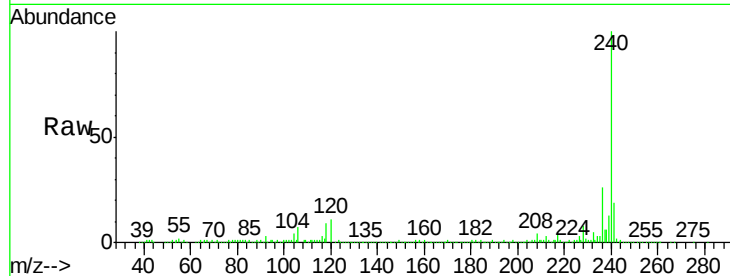
Tot Ion:240 Resp: 380472

Ion Ratio Lower Upper

240 100

120 11.1 9.0 13.4

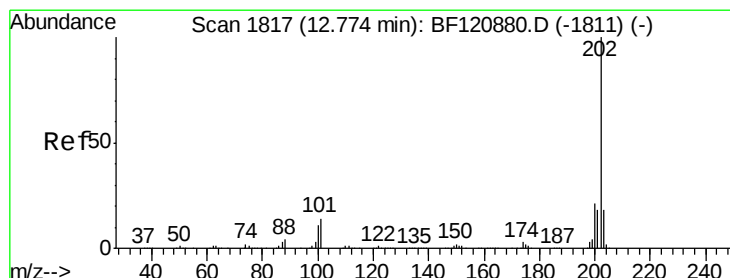
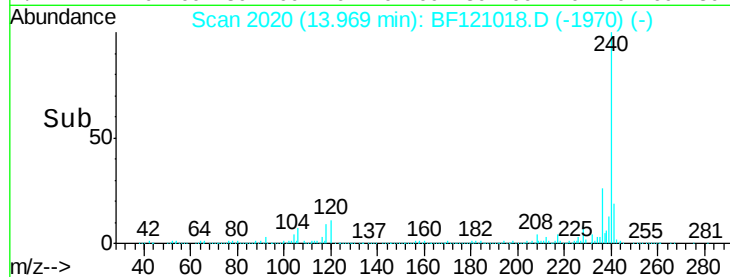
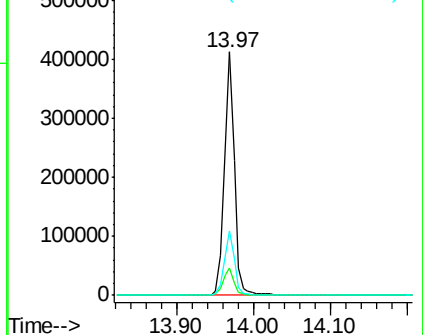
236 26.4 21.7 32.5



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: 9.295 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF121018.D

Acq: 24 Jul 2020 22:52

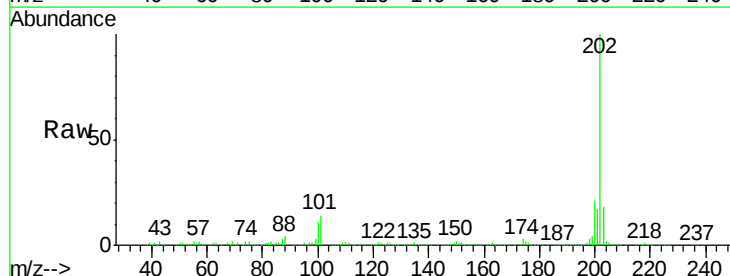
Tgt Ion:202 Resp: 250027

Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.4

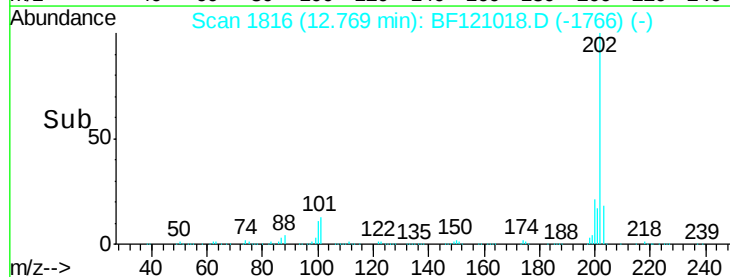
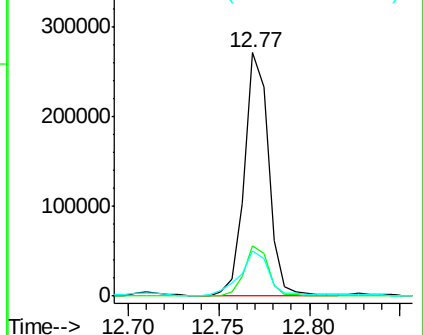
203 18.5 14.4 21.6

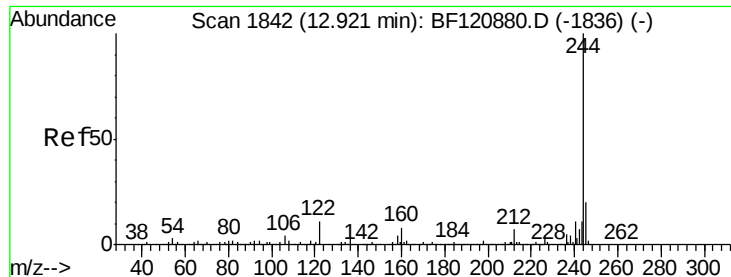


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

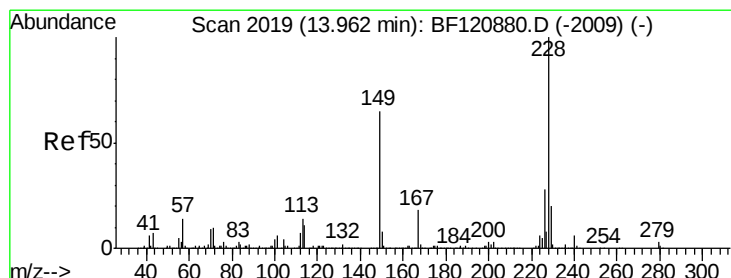
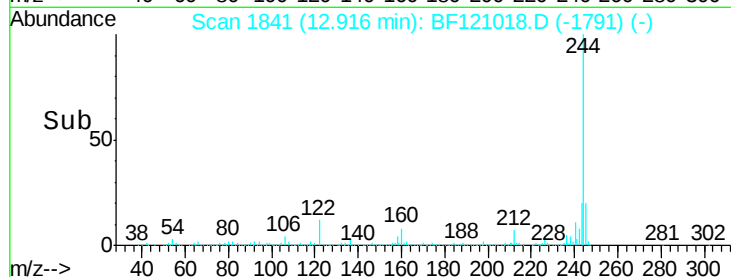
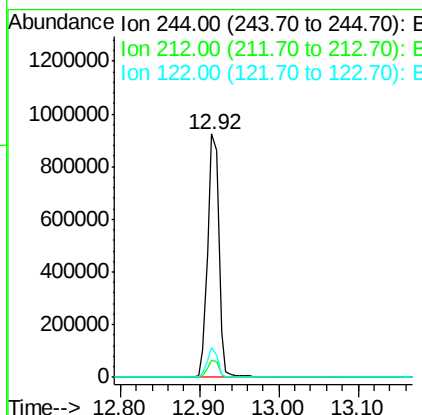
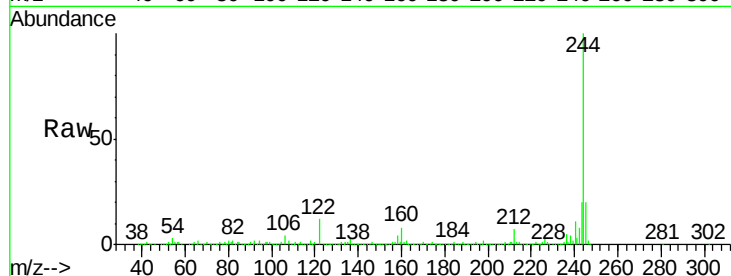




#79
 Terphenyl-d14
 Concen: 53.011 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF121018.D
 Acq: 24 Jul 2020 22:52

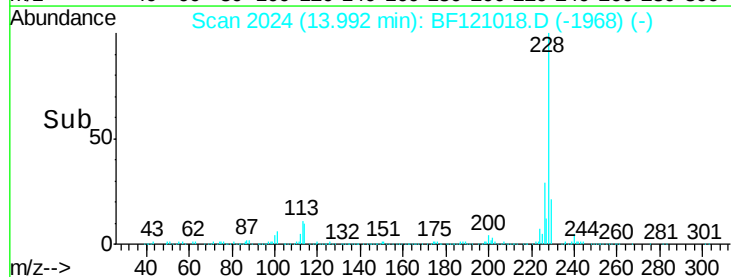
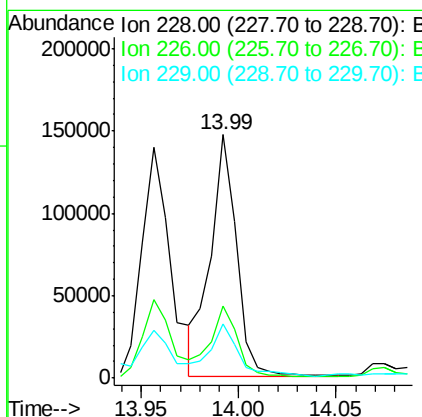
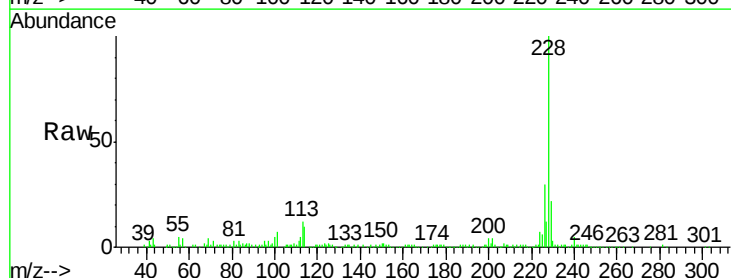
Instrument :
 BNA_F
 ClientSampleId :

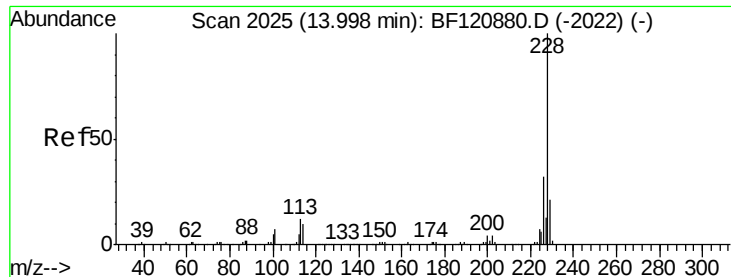
Tot Ion:244 Resp: 927842
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.6 8.4
 122 12.1 8.9 13.3



#81
 Benzo(a)anthracene
 Concen: 6.051 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. 0.03 min
 Lab File: BF121018.D
 Acq: 24 Jul 2020 22:52

Tgt Ion:228 Resp: 139413
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.3 33.5
 229 22.1 16.1 24.1

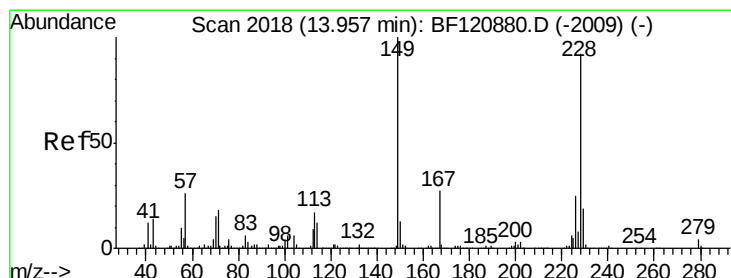
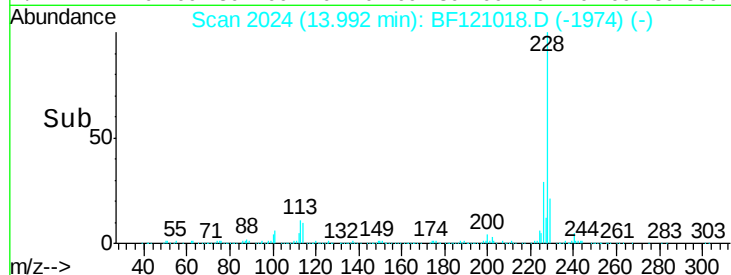
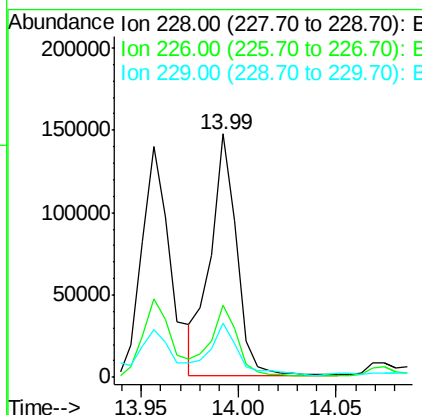
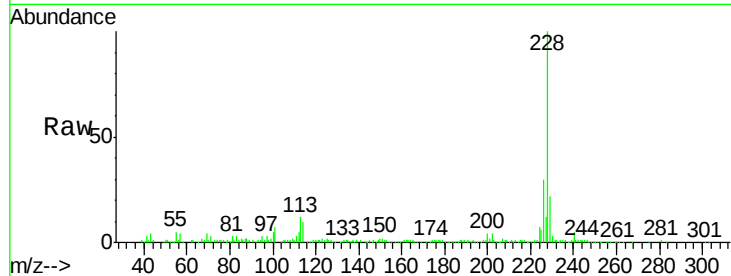




#83
 Chrysene
 Concen: 5.758 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF121018.D
 Acq: 24 Jul 2020 22:52

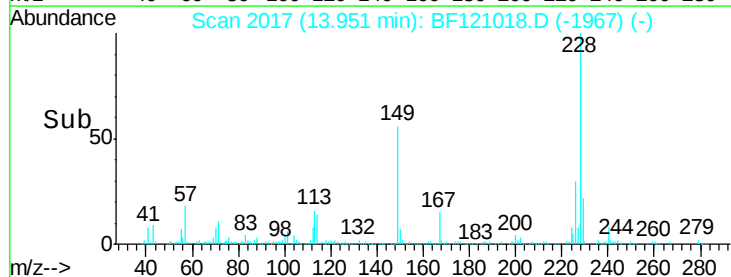
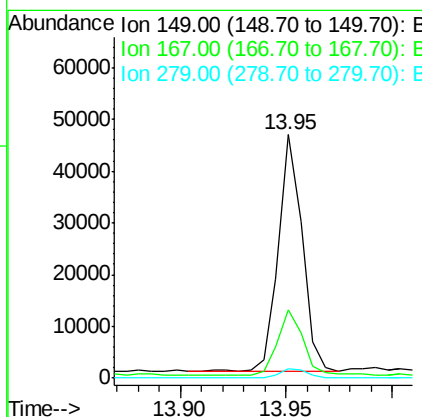
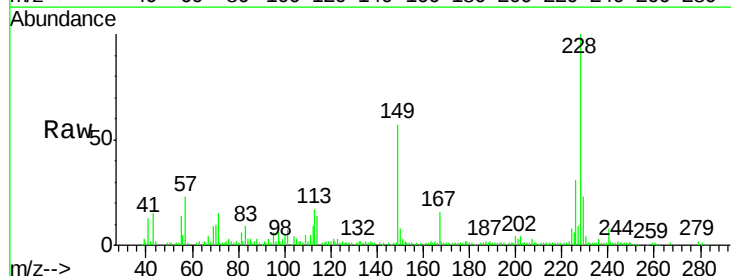
Instrument :
 BNA_F
 ClientSampleId :

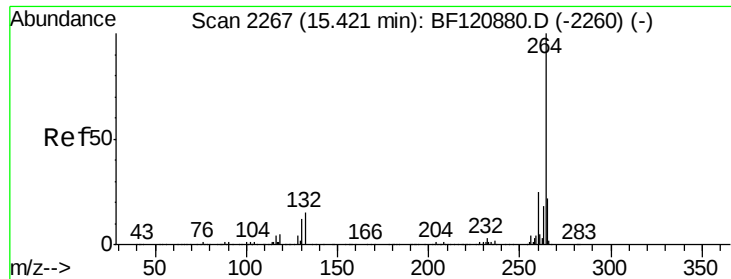
Tot Ion:228 Resp: 139413
 Ion Ratio Lower Upper
 228 100
 226 29.7 25.6 38.4
 229 22.1 16.8 25.2



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.446 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.01 min
 Lab File: BF121018.D
 Acq: 24 Jul 2020 22:52

Tgt Ion:149 Resp: 36164
 Ion Ratio Lower Upper
 149 100
 167 27.8 21.9 32.9
 279 4.0 3.0 4.4



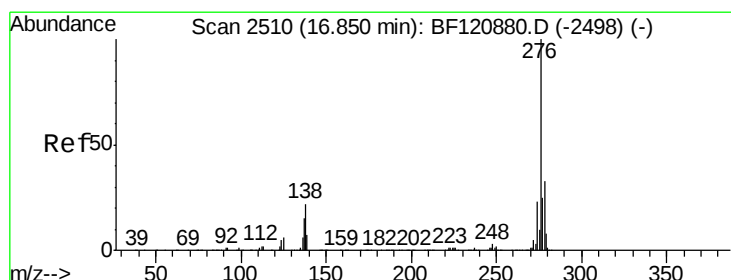
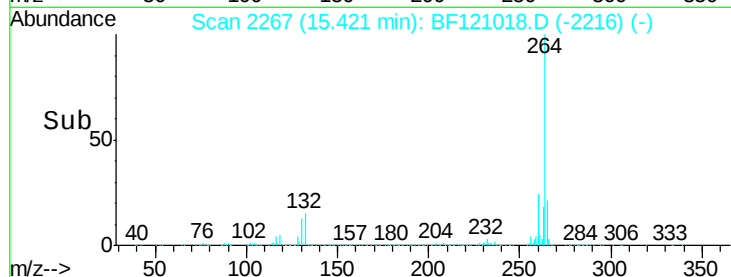
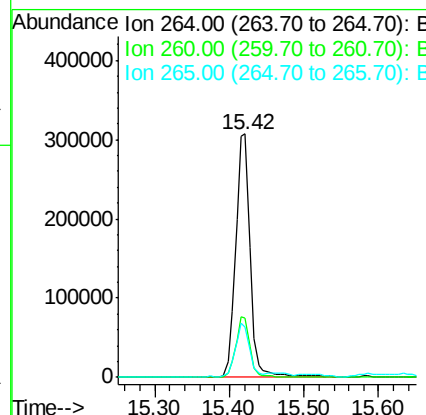
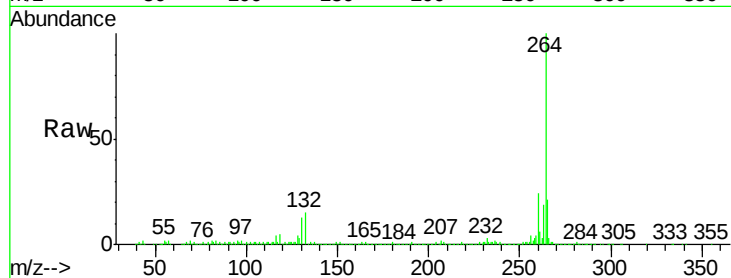


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.00 min
Lab File: BF121018.D
Acq: 24 Jul 2020 22:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 419421

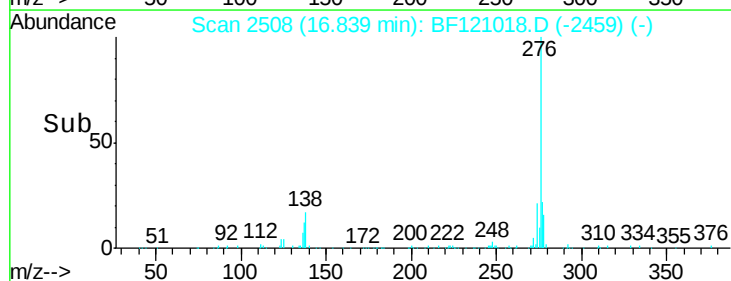
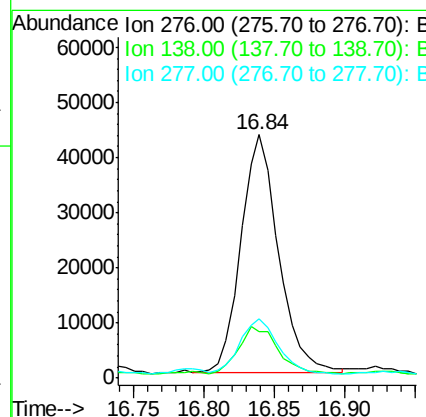
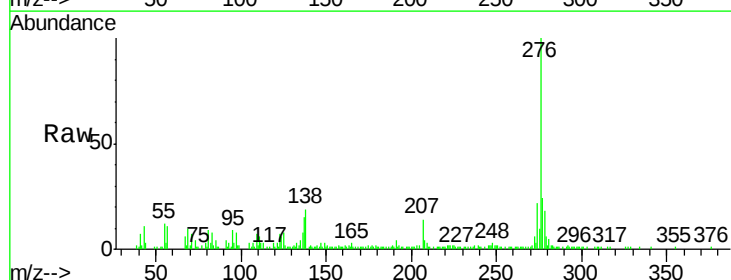
Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.0	30.0
265	20.8	17.4	26.2

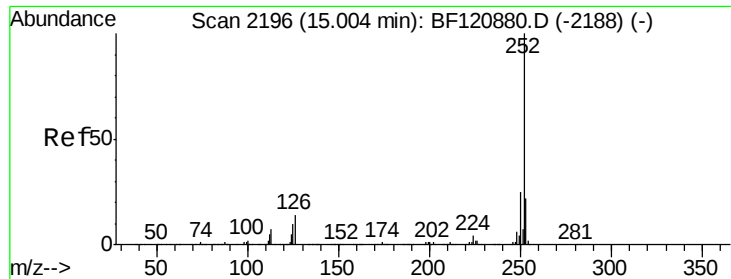


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.744 ng
RT: 16.84 min Scan# 2508
Delta R.T. -0.01 min
Lab File: BF121018.D
Acq: 24 Jul 2020 22:52

Tgt Ion:276 Resp: 80038

Ion	Ratio	Lower	Upper
276	100		
138	21.7	19.8	29.8
277	24.0	20.2	30.2

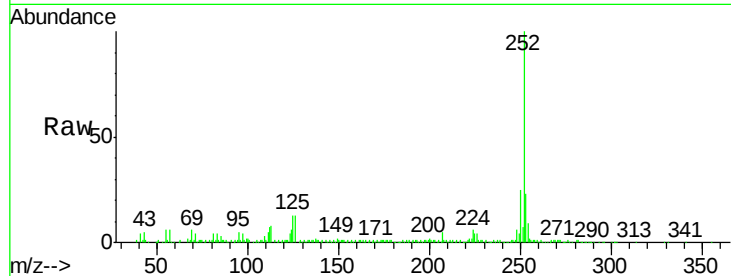




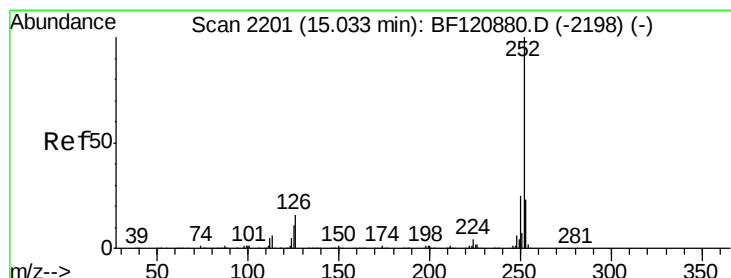
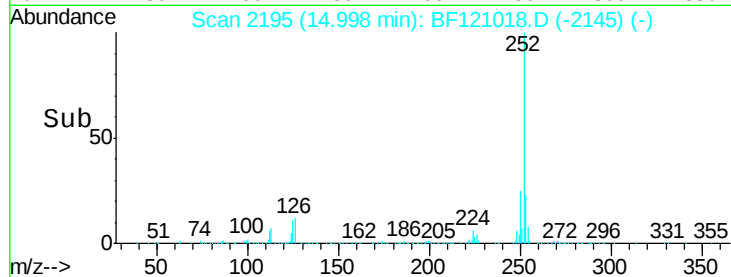
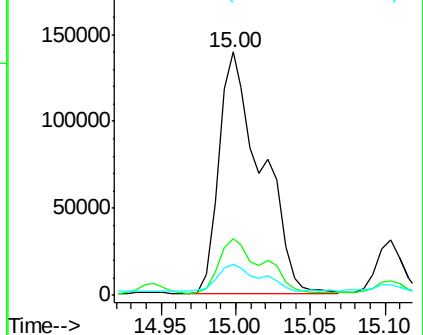
#88
Benzo(b)fluoranthene
Concen: 10.946 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF121018.D
Acq: 24 Jul 2020 22:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 277497
Ion Ratio Lower Upper
252 100
253 23.3 18.0 27.0
125 12.7 8.3 12.5#

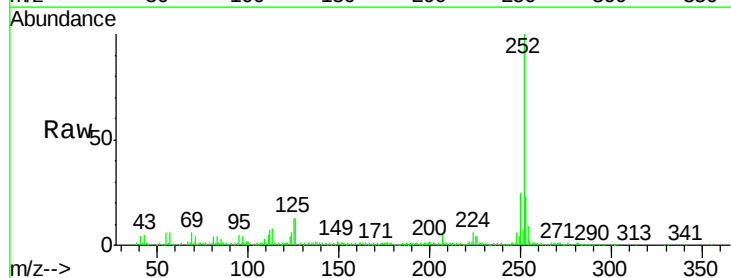


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

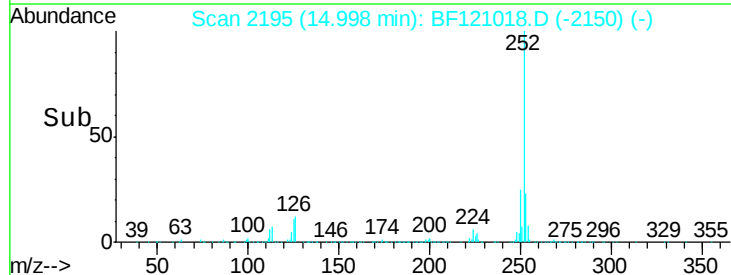
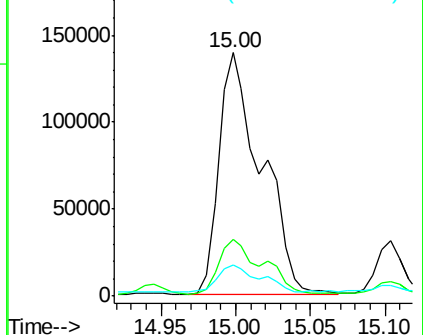


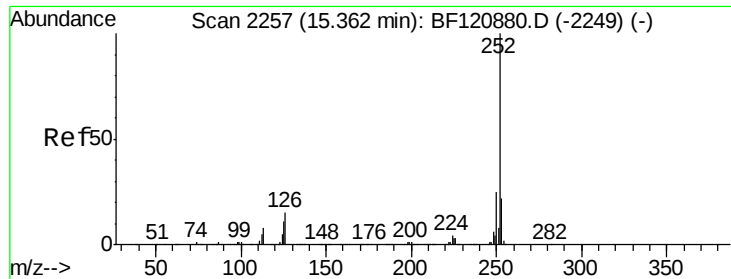
#89
Benzo(k)fluoranthene
Concen: 12.002 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.04 min
Lab File: BF121018.D
Acq: 24 Jul 2020 22:52

Tgt Ion:252 Resp: 277497
Ion Ratio Lower Upper
252 100
253 23.3 18.2 27.2
125 12.7 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: 5.896 ng

RT: 15.35 min Scan# 2255

Delta R.T. -0.01 min

Lab File: BF121018.D

Acq: 24 Jul 2020 22:52

Instrument :

BNA_F

ClientSampleId :

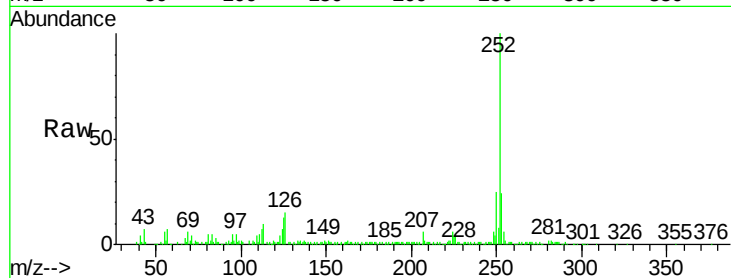
Tot Ion:252 Resp: 136369

Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.8

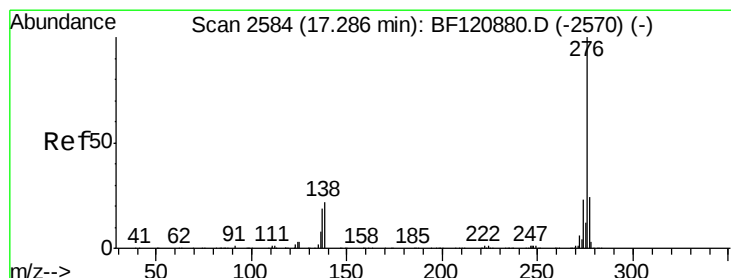
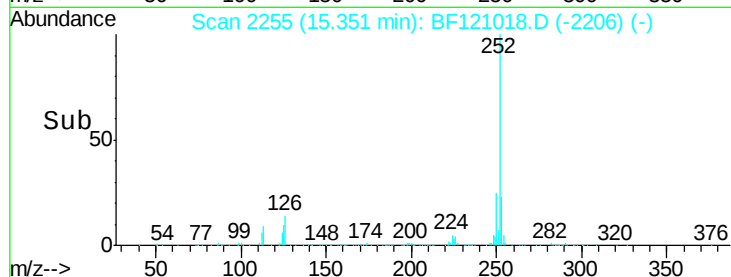
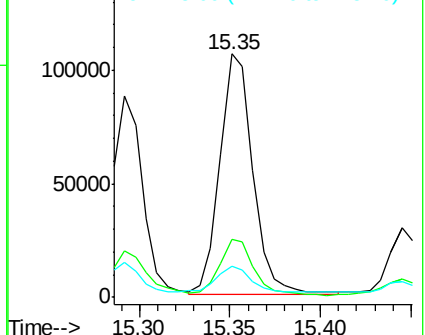
125 12.9 8.9 13.3



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 3.246 ng

RT: 17.27 min Scan# 2581

Delta R.T. -0.02 min

Lab File: BF121018.D

Acq: 24 Jul 2020 22:52

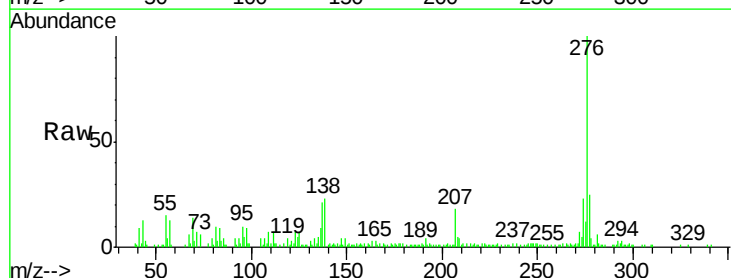
Tgt Ion:276 Resp: 76256

Ion Ratio Lower Upper

276 100

277 25.3 18.8 28.2

138 23.0 17.5 26.3



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

