

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060220\
 Data File : BF120486.D
 Acq On : 2 Jun 2020 11:18
 Operator : JU/CG
 Sample : L2792-07
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 02 11:49:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 02 11:37:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	191043	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	698523	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	327984	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	549099	20.00	ng	0.00
76) Chrysene-d12	14.01	240	410340	20.00	ng	0.00
86) Perylene-d12	15.47	264	458880	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	851846	84.98	ng	0.00
7) Phenol-d6	6.47	99	1055017	85.38	ng	0.00
23) Nitrobenzene-d5	7.40	82	682838	63.94	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	258701	85.13	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	1251053	64.72	ng	0.00
79) Terphenyl-d14	12.95	244	1125488	61.03	ng	0.00

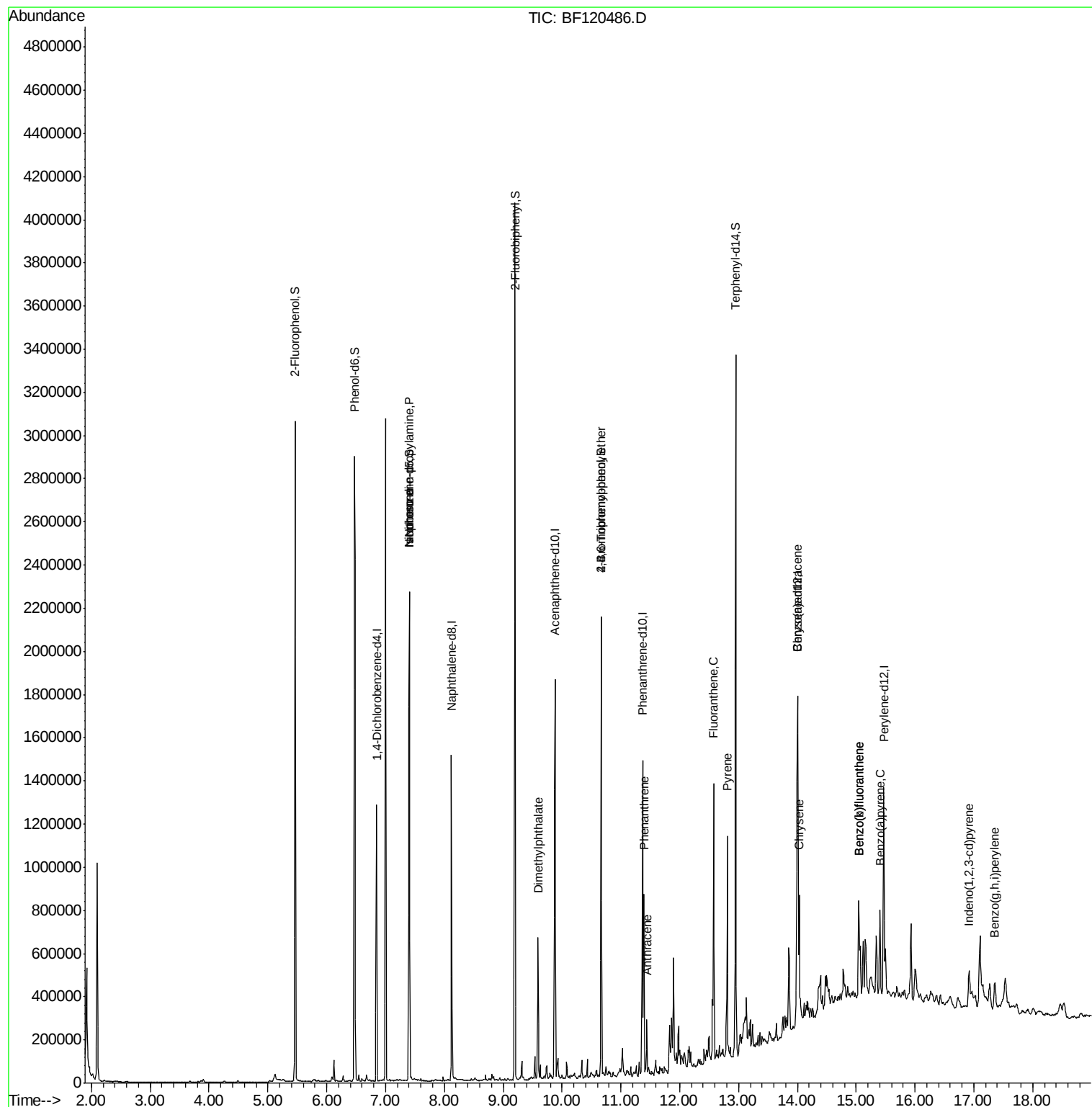
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.40	70	89995	11.458	ng	# 77
25) Isophorone	7.40	82	677718	31.577	ng	# 64
50) Dimethylphthalate	9.59	163	224107	10.930	ng	99
67) 4-Bromophenyl-phenylether	10.67	248	15476	2.792	ng	# 1
71) Phenanthrene	11.39	178	314947	13.017	ng	98
72) Anthracene	11.44	178	84134	3.466	ng	98
75) Fluoranthene	12.58	202	477291	18.333	ng	98
78) Pyrene	12.81	202	401289	14.062	ng	98
81) Benzo(a)anthracene	14.00	228	219781	9.994	ng	98
83) Chrysene	14.03	228	200256	8.686	ng	96
87) Indeno(1,2,3-cd)pyrene	16.92	276	116363	4.636	ng	95
88) Benzo(b)fluoranthene	15.04	252	348730	13.682	ng	99
89) Benzo(k)fluoranthene	15.04	252	348730	14.656	ng	# 97
90) Benzo(a)pyrene	15.40	252	186597	8.370	ng	99
92) Benzo(a,h,i)perylene	17.36	276	107621	5.333	ng	99

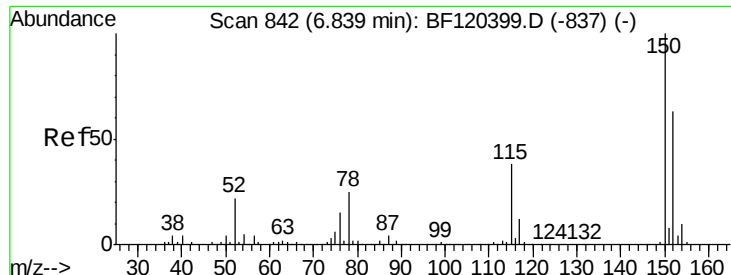
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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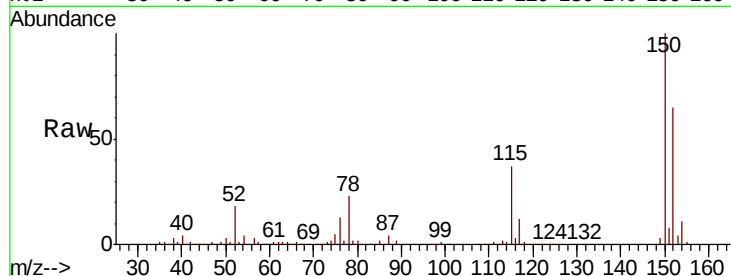




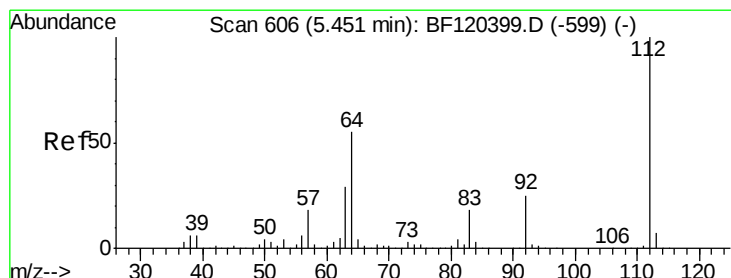
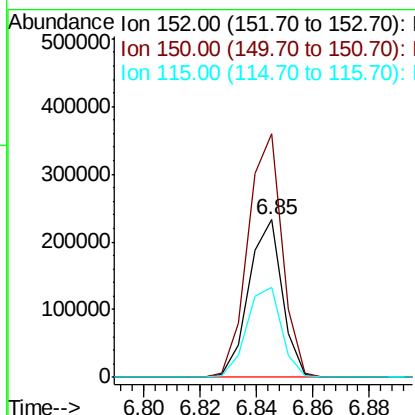
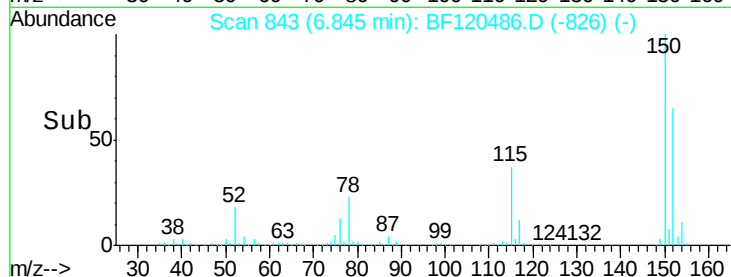
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 843
 Delta R.T. 0.00 min
 Lab File: BF120486.D
 Acq: 2 Jun 2020 11:18

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 191043
 Ion Ratio Lower Upper
 152 100
 150 154.9 126.7 190.1
 115 57.2 46.2 69.2

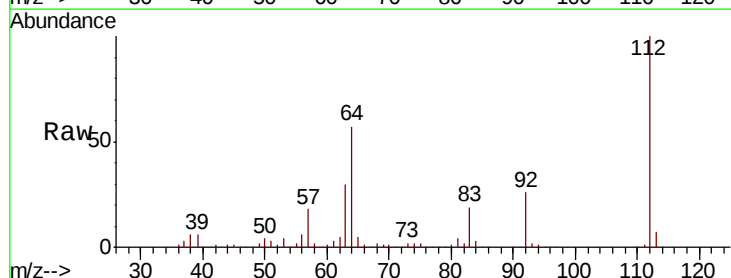


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

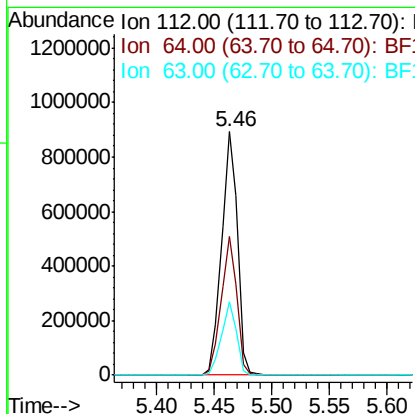
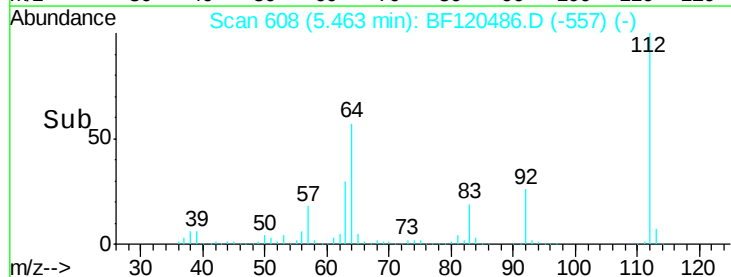


#5
 2-Fluorophenol
 Concen: 84.976 ng
 RT: 5.46 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: BF120486.D
 Acq: 2 Jun 2020 11:18

Tgt Ion:112 Resp: 851846
 Ion Ratio Lower Upper
 112 100
 64 57.1 46.3 69.5
 63 29.9 24.2 36.2



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: 85.385 ng

RT: 6.47 min Scan# 780

Delta R.T. -0.01 min

Lab File: BF120486.D

Acq: 2 Jun 2020 11:18

Instrument :

BNA_F

ClientSampled :

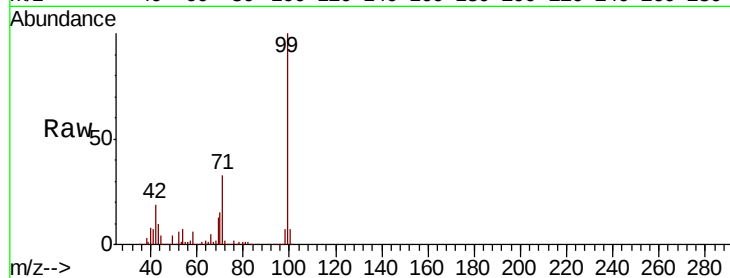
Tot Ion: 99 Resp: 1055017

Ion Ratio Lower Upper

99 100

42 18.9 15.1 22.7

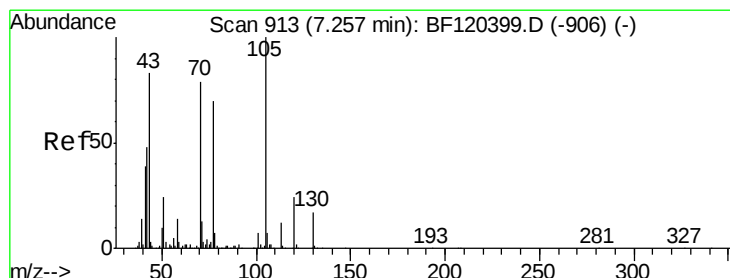
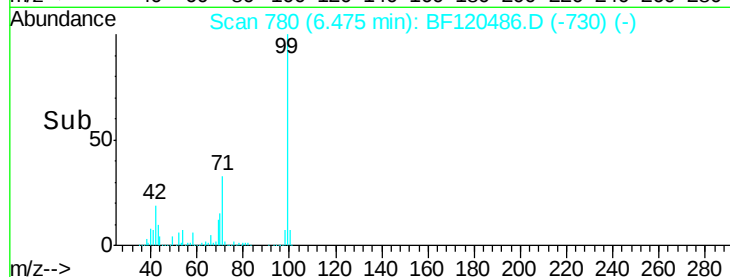
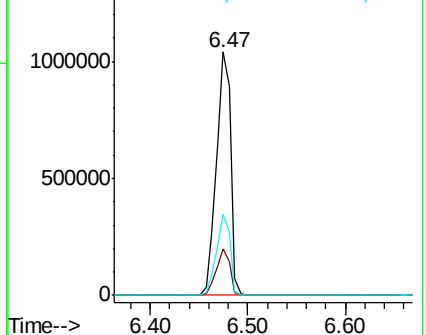
71 33.1 26.2 39.4



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.458 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.14 min

Lab File: BF120486.D

Acq: 2 Jun 2020 11:18

Tgt Ion: 70 Resp: 89995

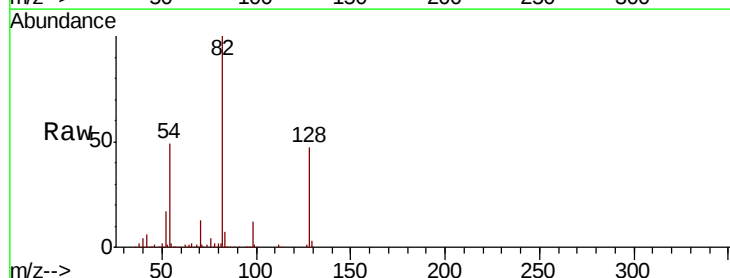
Ion Ratio Lower Upper

70 100

42 47.0 47.4 71.2#

101 0.0 7.8 11.6#

130 2.4 17.1 25.7#

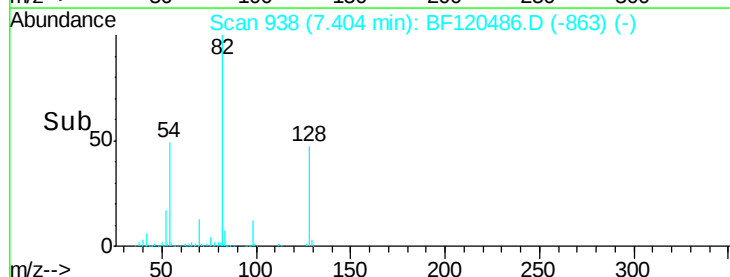
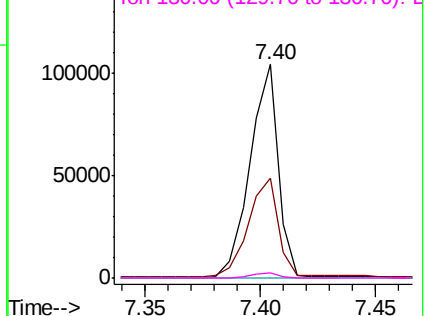


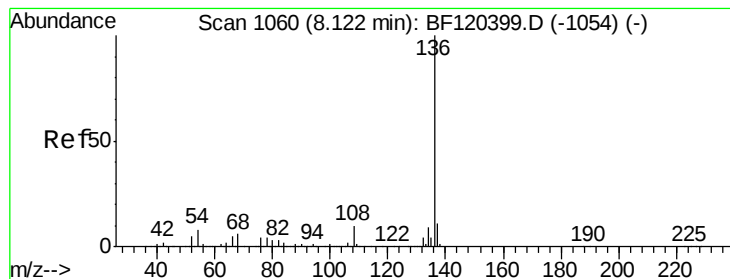
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BF120486.D

Acq: 2 Jun 2020 11:18

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 698523

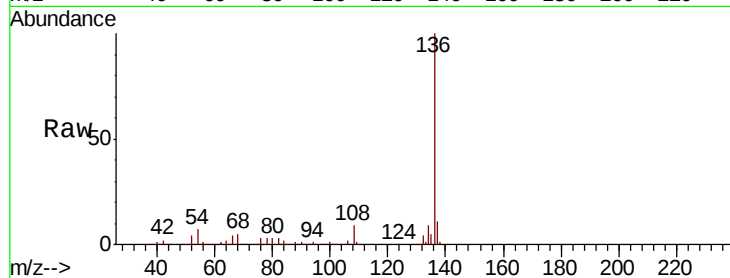
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.6

54 6.9 6.2 9.4

68 5.4 5.0 7.6

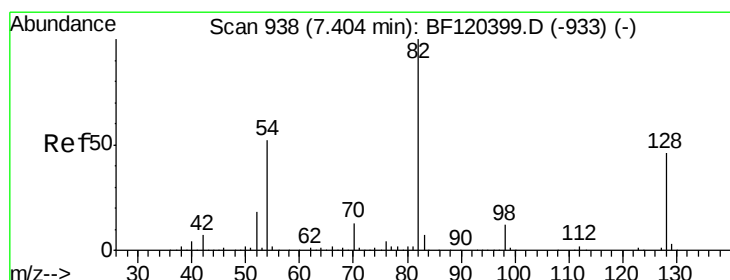
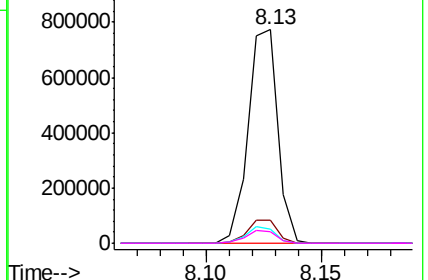
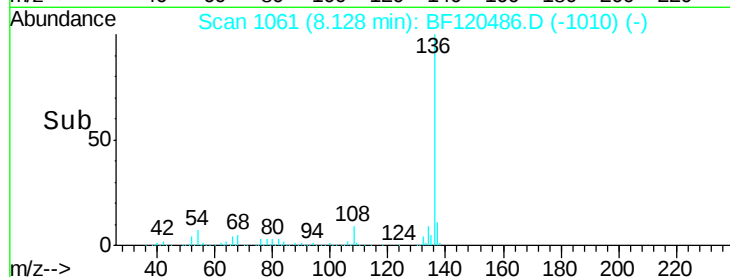


Abundance Ion 136.00 (135.70 to 136.70): E

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: 63.944 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF120486.D

Acq: 2 Jun 2020 11:18

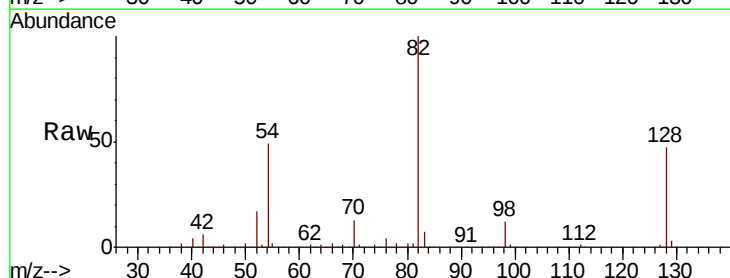
Tgt Ion: 82 Resp: 682838

Ion Ratio Lower Upper

82 100

128 47.3 37.0 55.6

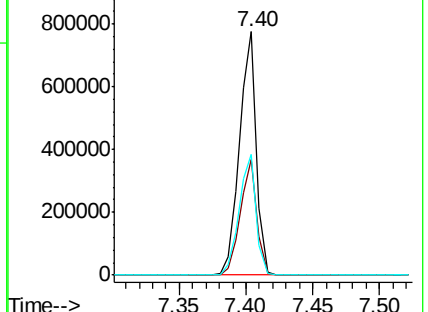
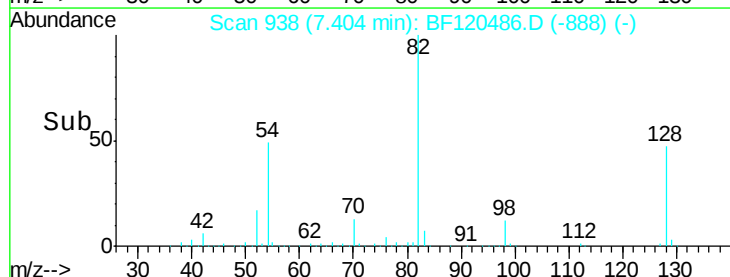
54 49.4 41.0 61.4



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: 31.577 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.26 min

Lab File: BF120486.D

Acq: 2 Jun 2020 11:18

Instrument :

BNA_F

ClientSampleId :

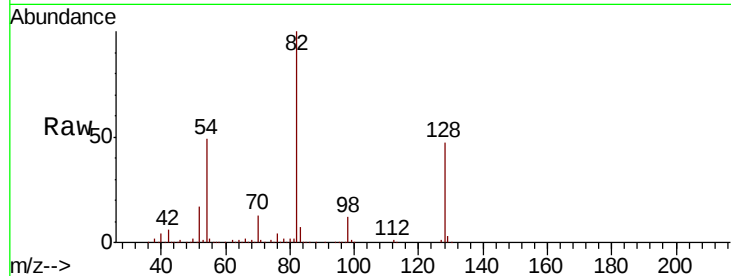
Tot Ion: 82 Resp: 677718

Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

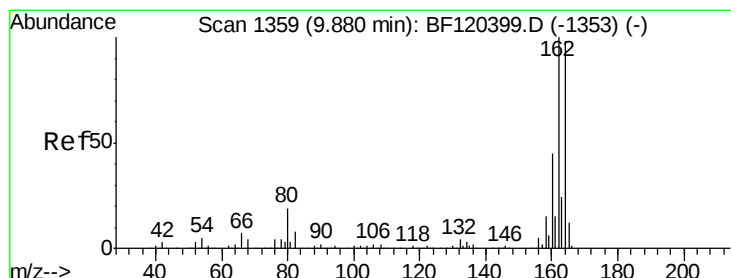
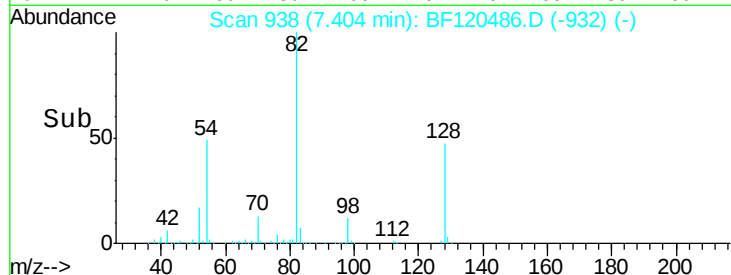
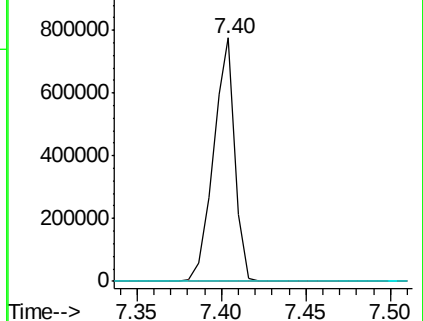
138 0.0 15.0 22.6#



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: 9.88 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BF120486.D

Acq: 2 Jun 2020 11:18

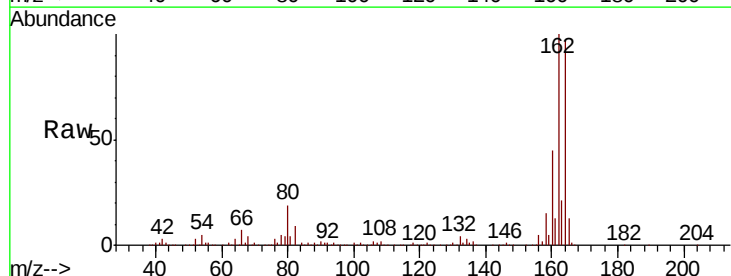
Tgt Ion:164 Resp: 327984

Ion Ratio Lower Upper

164 100

162 103.6 81.9 122.9

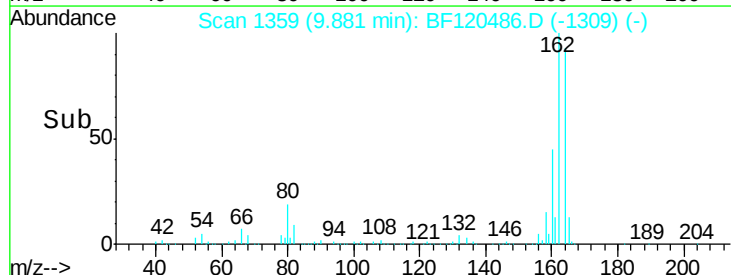
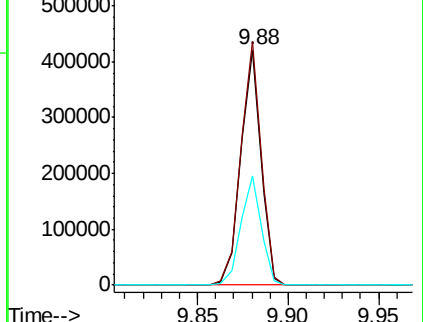
160 46.5 37.4 56.0

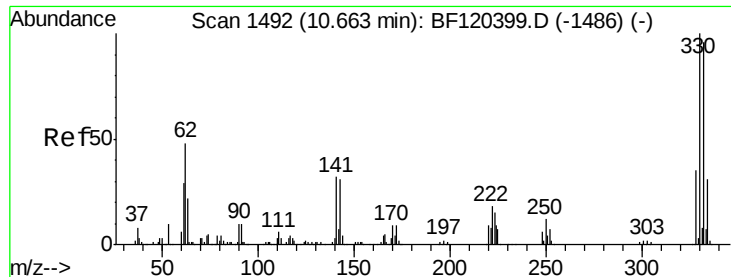


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

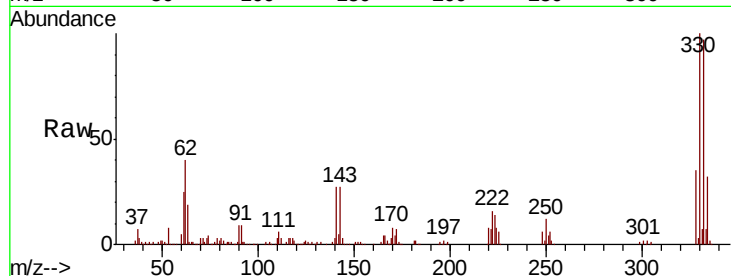




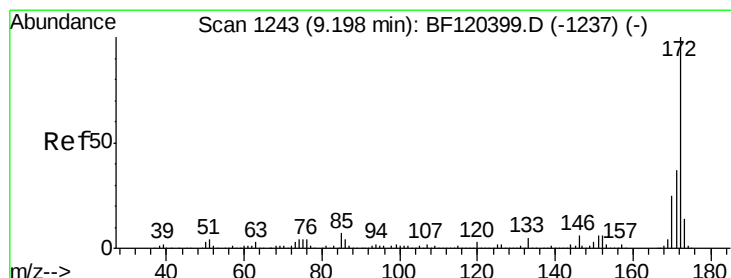
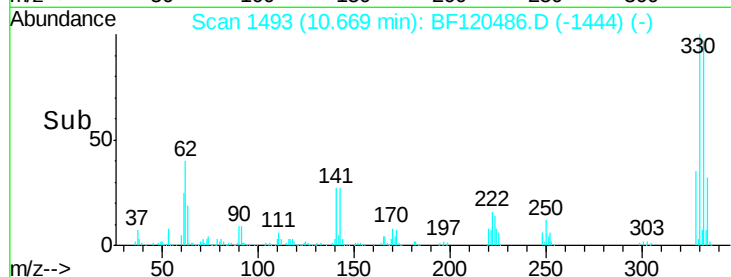
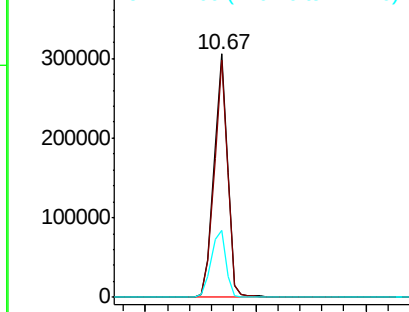
#42
 2,4,6-Tribromophenol
 Concen: 85.129 ng
 RT: 10.67 min Scan# 1493
 Delta R.T. -0.01 min
 Lab File: BF120486.D
 Acq: 2 Jun 2020 11:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.8	115.2
141	29.6	23.9	35.9

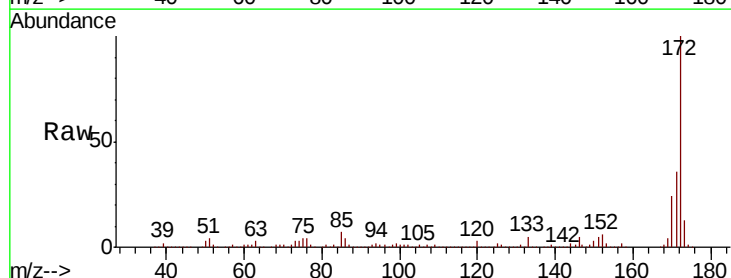


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

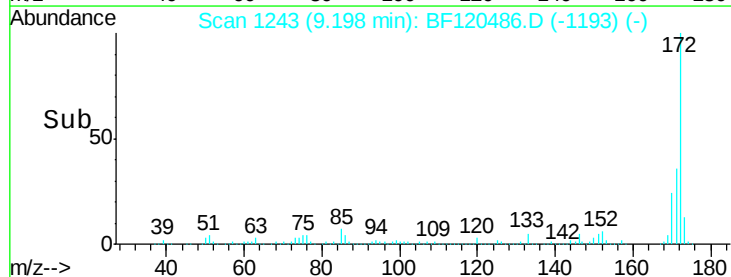
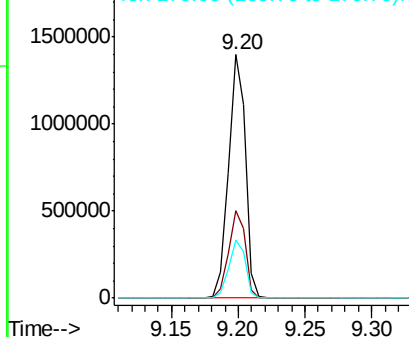


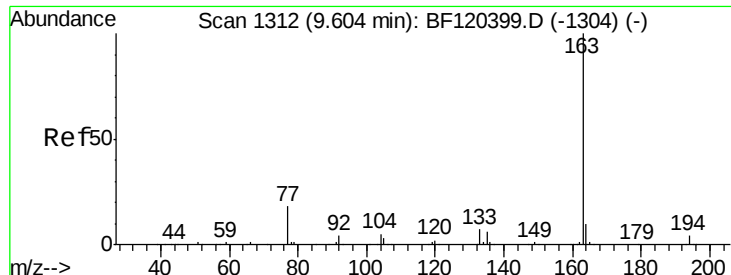
#45
 2-Fluorobiphenyl
 Concen: 64.718 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: BF120486.D
 Acq: 2 Jun 2020 11:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.4	44.2
170	23.9	19.9	29.9



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

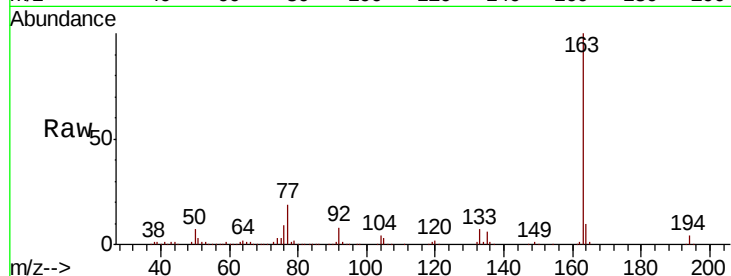




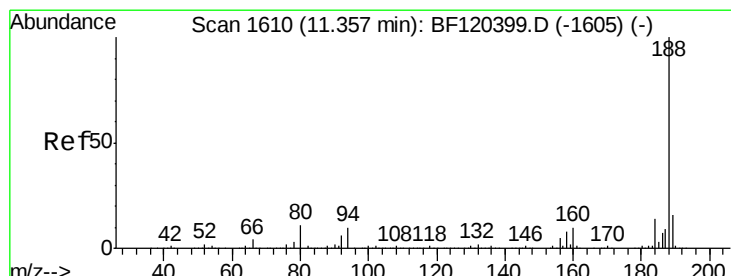
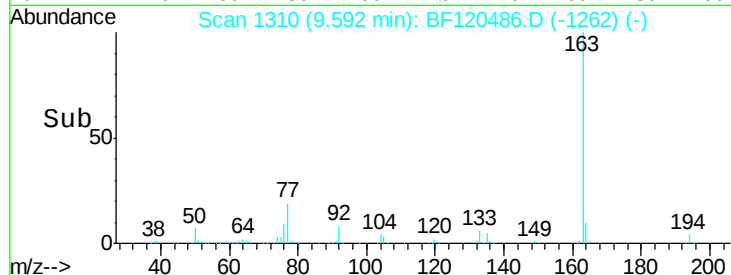
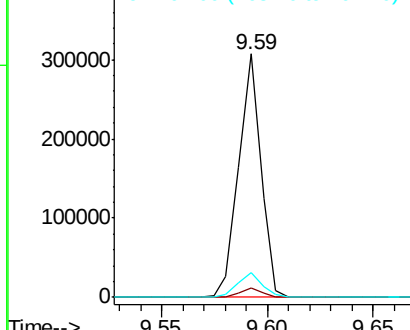
#50
Dimethylphthalate
Concen: 10.930 ng
RT: 9.59 min Scan# 1310
Delta R.T. -0.02 min
Lab File: BF120486.D
Acq: 2 Jun 2020 11:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.3	4.9
164	10.1	8.2	12.2

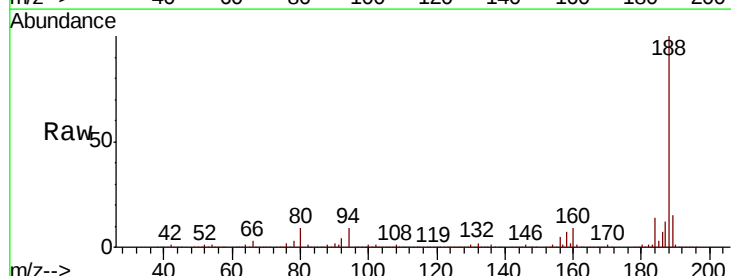


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

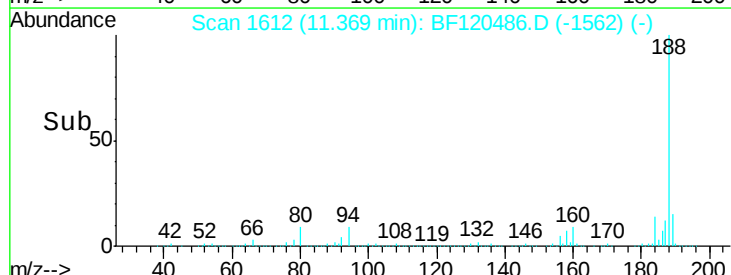
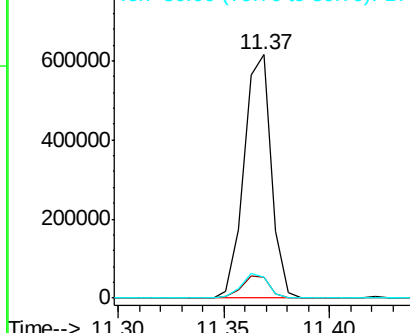


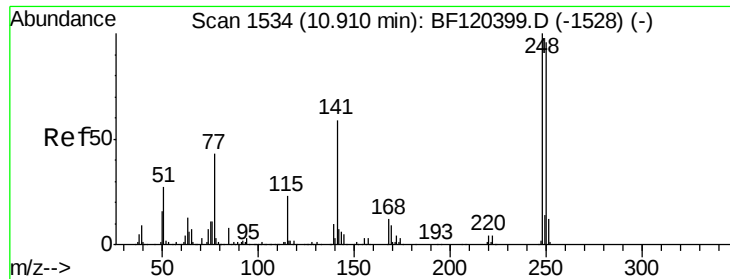
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1612
Delta R.T. -0.01 min
Lab File: BF120486.D
Acq: 2 Jun 2020 11:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	8.8	7.1	10.7



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

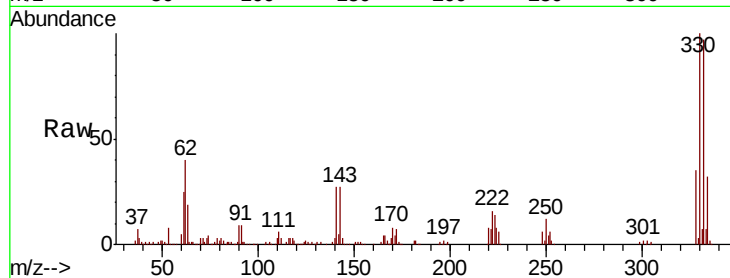




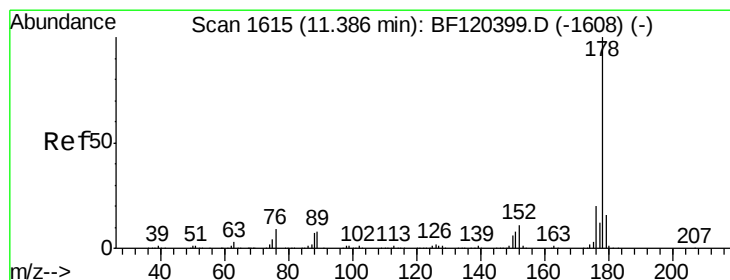
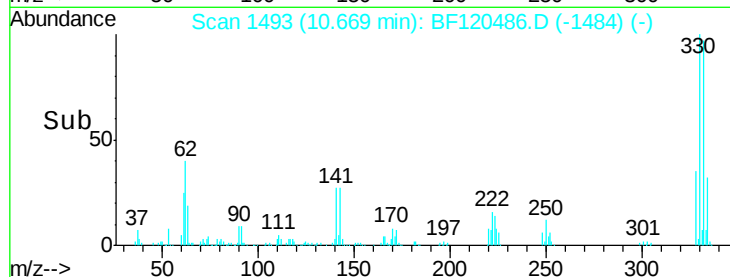
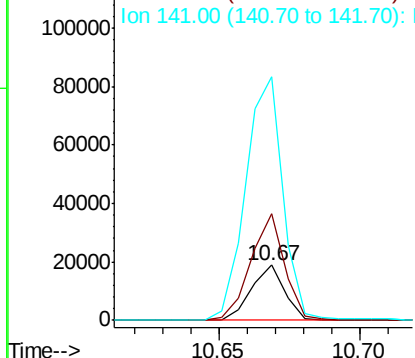
#67
4-Bromophenyl-phenylether
Concen: 2.792 ng
RT: 10.67 min Scan# 1493
Delta R.T. -0.25 min
Lab File: BF120486.D
Acq: 2 Jun 2020 11:18

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 15476
Ion Ratio Lower Upper
248 100
250 193.8 77.8 116.6#
141 442.9 54.8 82.2#

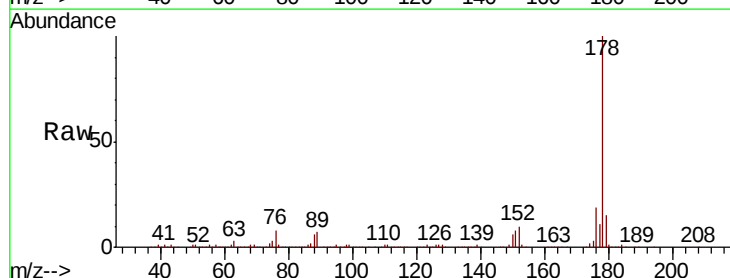


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

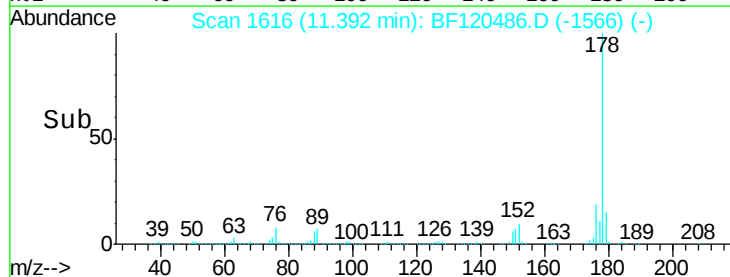
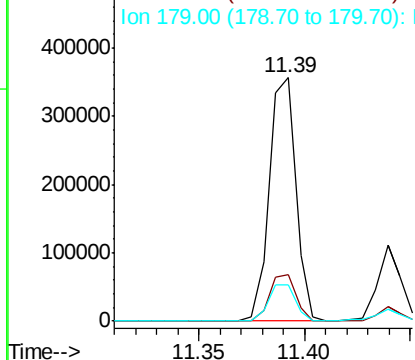


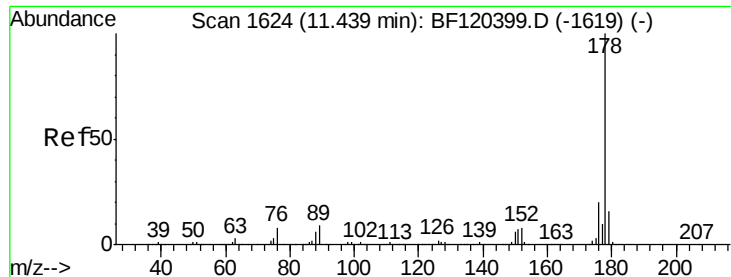
#71
Phenanthrene
Concen: 13.017 ng
RT: 11.39 min Scan# 1616
Delta R.T. -0.01 min
Lab File: BF120486.D
Acq: 2 Jun 2020 11:18

Tgt Ion:178 Resp: 314947
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.2
179 14.7 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





#72

Anthracene

Concen: 3.466 ng

RT: 11.44 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BF120486.D

Acq: 2 Jun 2020 11:18

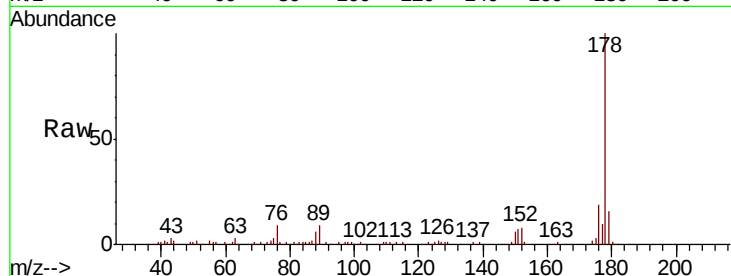
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 84134

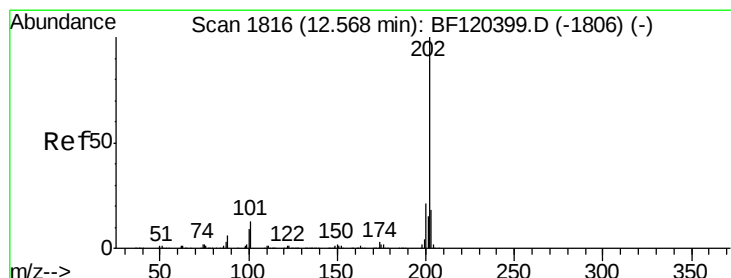
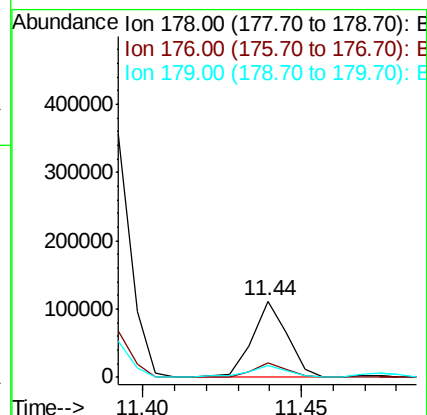
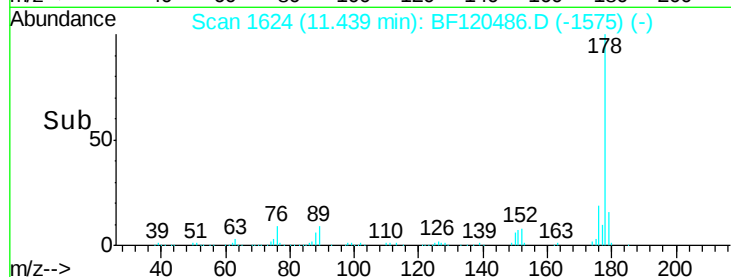
Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.9	23.9
179	15.7	12.7	19.1



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: 18.333 ng

RT: 12.58 min Scan# 1818

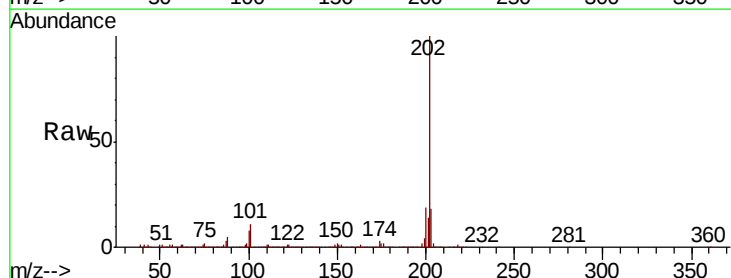
Delta R.T. -0.01 min

Lab File: BF120486.D

Acq: 2 Jun 2020 11:18

Tgt Ion:202 Resp: 477291

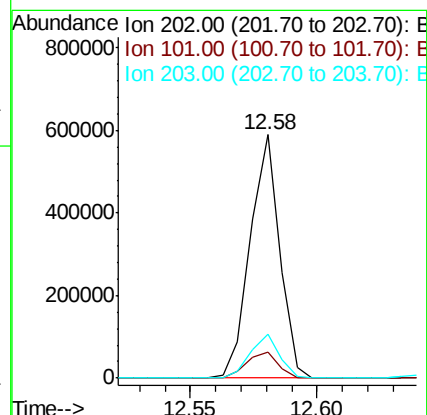
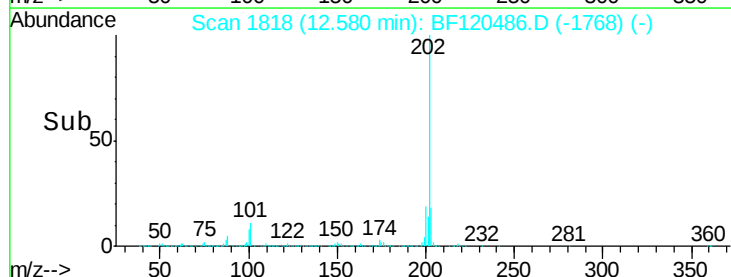
Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.4
203	18.1	0.0	38.8

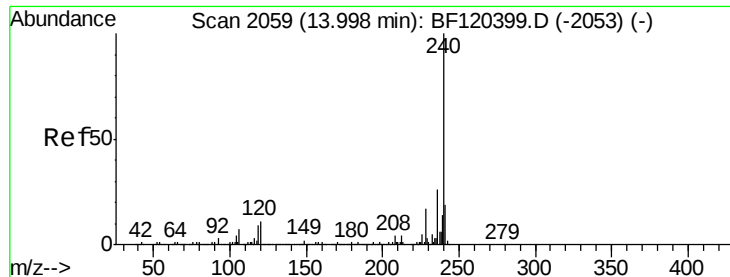


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

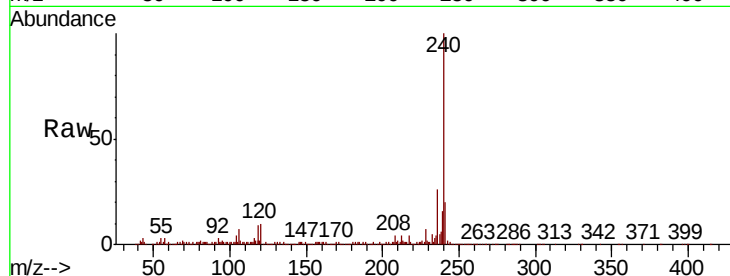




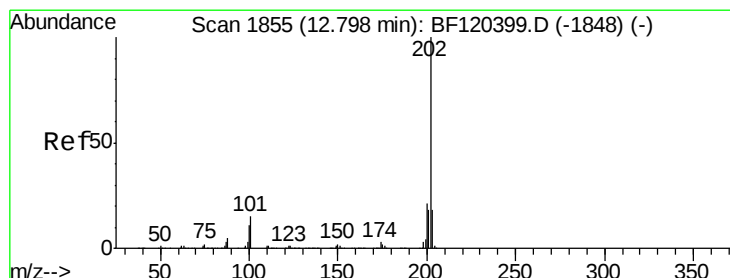
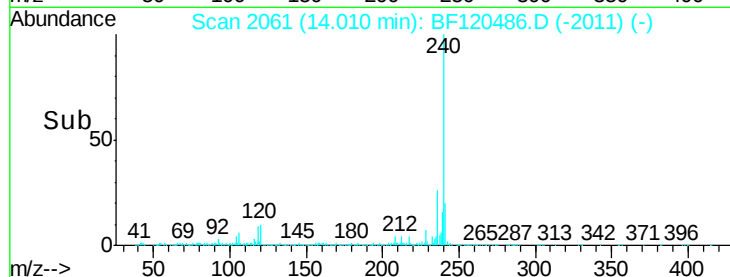
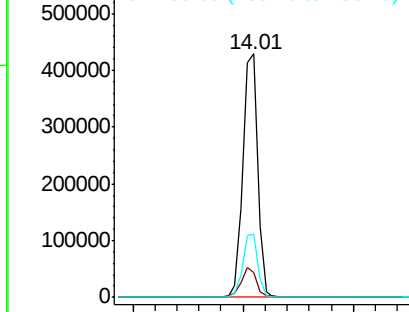
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2061
Delta R.T. -0.01 min
Lab File: BF120486.D
Acq: 2 Jun 2020 11:18

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.2	9.9	14.9
236	26.1	21.0	31.6

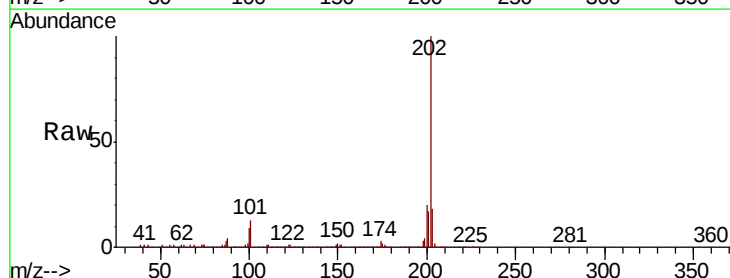


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

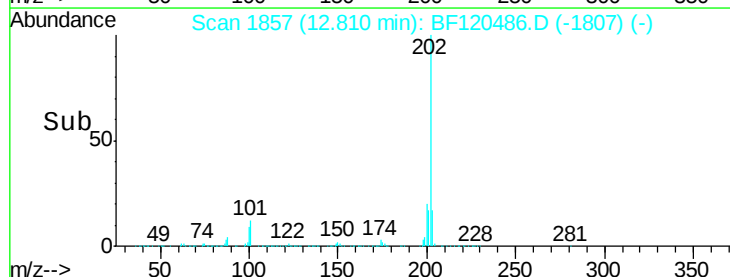
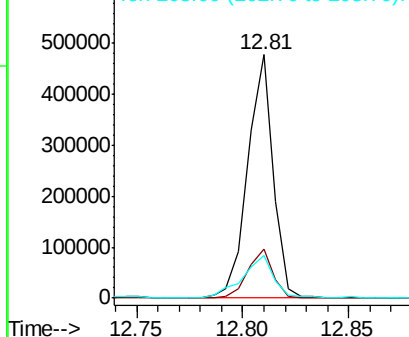


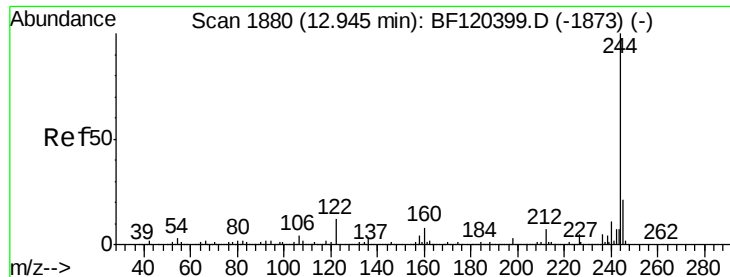
#78
Pyrene
Concen: 14.062 ng
RT: 12.81 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BF120486.D
Acq: 2 Jun 2020 11:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.0	25.6
203	17.8	14.6	22.0



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: 61.034 ng

RT: 12.95 min Scan# 1881

Delta R.T. -0.01 min

Lab File: BF120486.D

Acq: 2 Jun 2020 11:18

Instrument :

BNA_F

ClientSampleId :

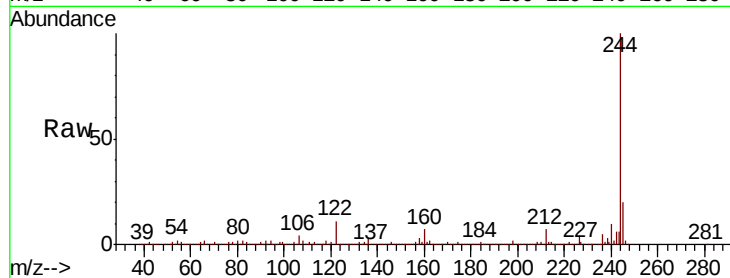
Tot Ion:244 Resp: 1125488

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

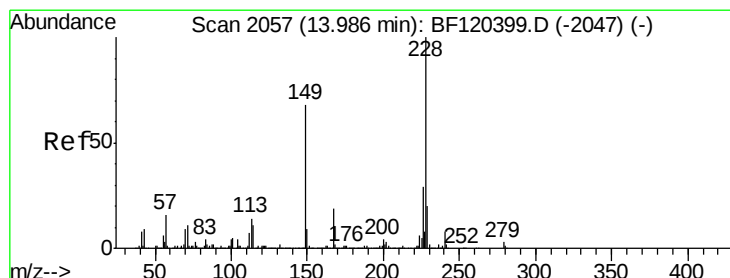
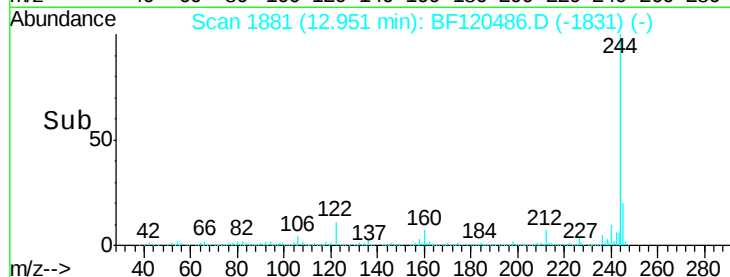
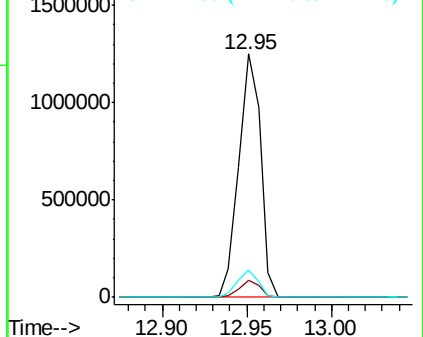
122 11.3 8.7 13.1



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: 9.994 ng

RT: 14.00 min Scan# 2059

Delta R.T. -0.01 min

Lab File: BF120486.D

Acq: 2 Jun 2020 11:18

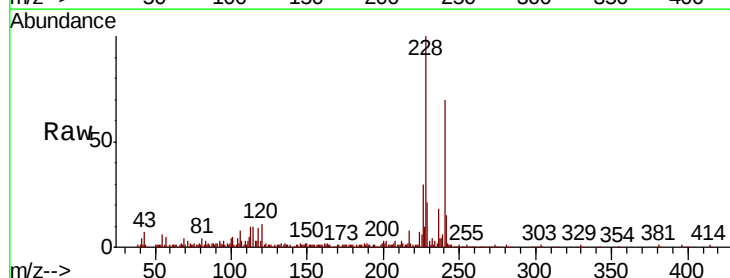
Tgt Ion:228 Resp: 219781

Ion Ratio Lower Upper

228 100

226 30.4 22.9 34.3

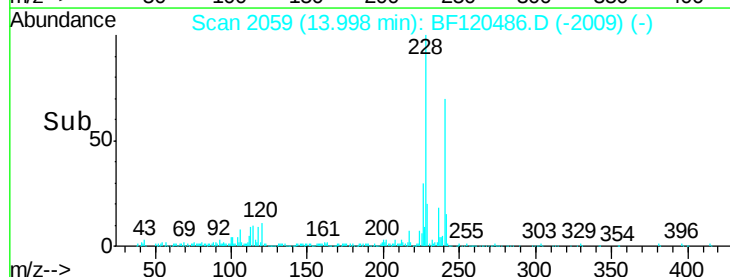
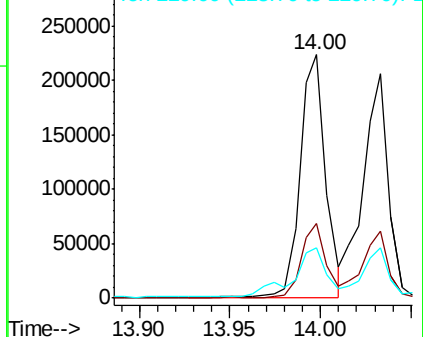
229 20.9 16.3 24.5

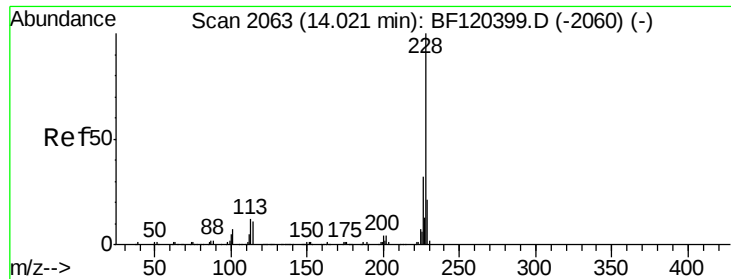


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

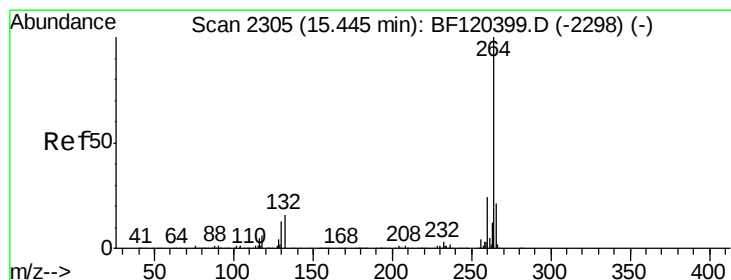
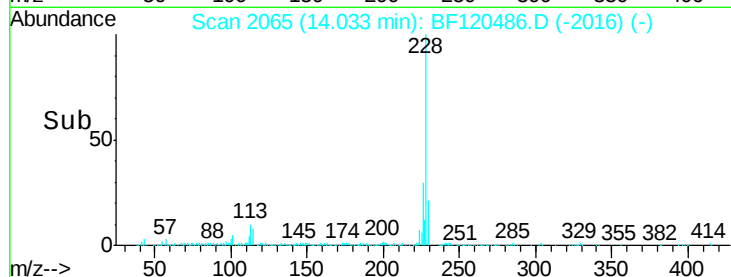
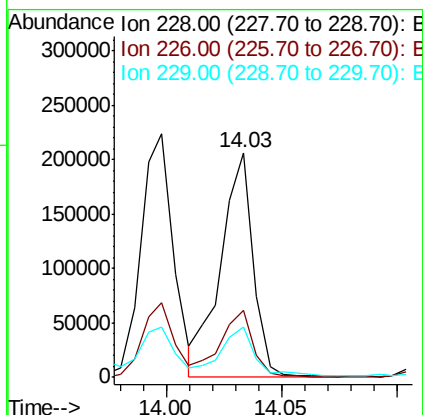
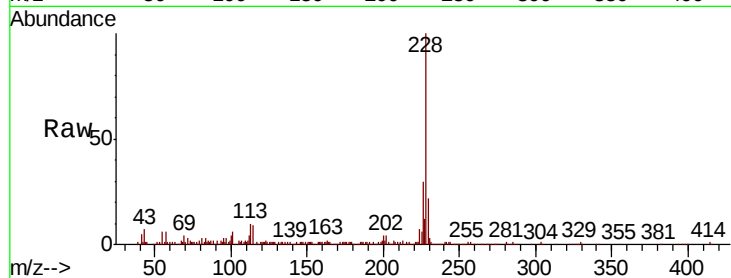




#83
Chrysene
Concen: 8.686 ng
RT: 14.03 min Scan# 2065
Delta R.T. -0.01 min
Lab File: BF120486.D
Acq: 2 Jun 2020 11:18

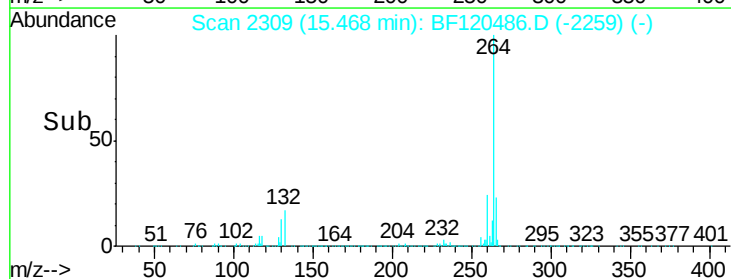
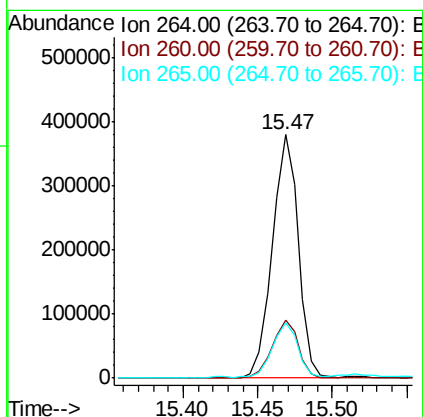
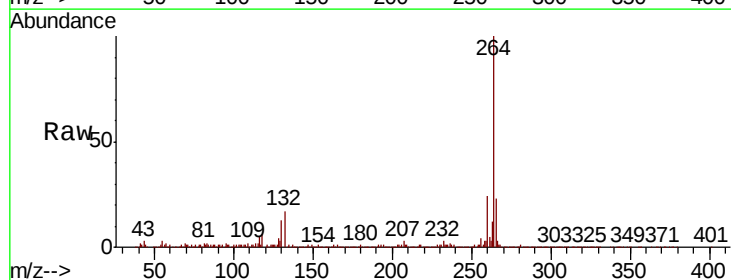
Instrument :
BNA_F
ClientSampleId :

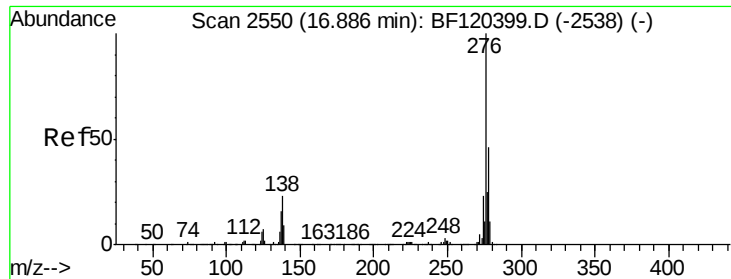
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.7	38.5
229	22.1	16.4	24.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2309
Delta R.T. -0.01 min
Lab File: BF120486.D
Acq: 2 Jun 2020 11:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.8	17.6	26.4

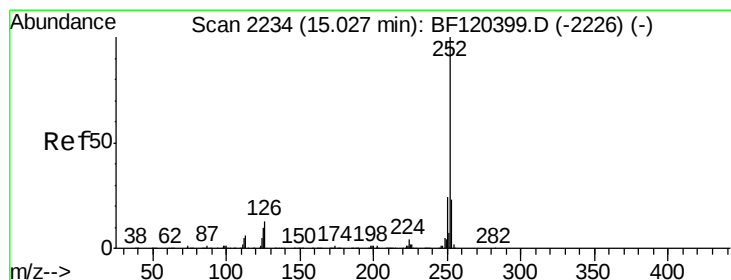
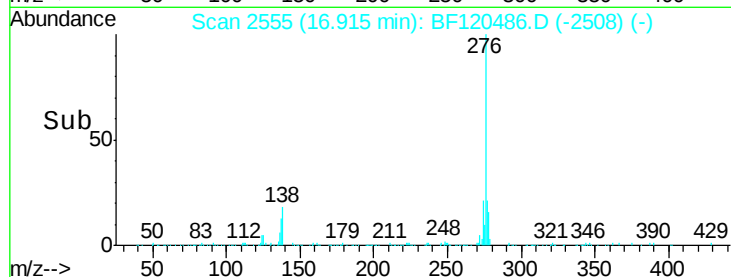
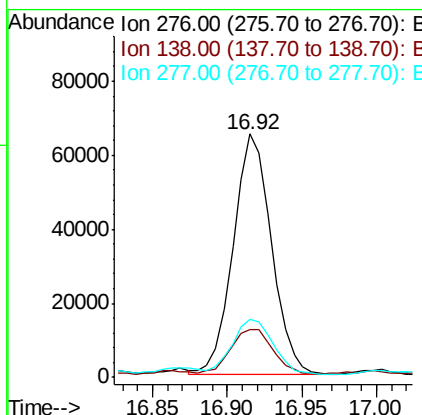
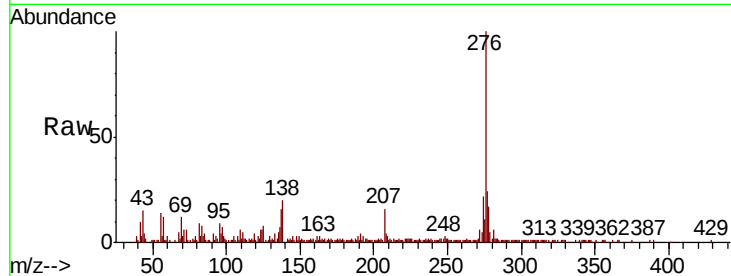




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.636 ng
 RT: 16.92 min Scan# 2555
 Delta R.T. -0.02 min
 Lab File: BF120486.D
 Acq: 2 Jun 2020 11:18

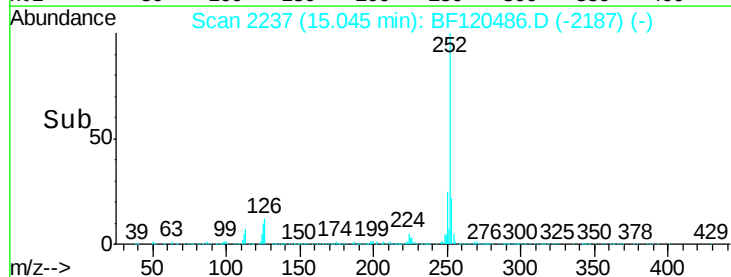
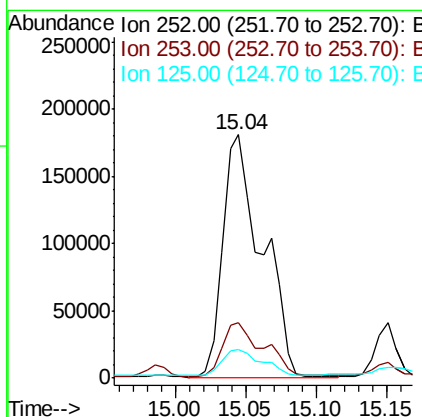
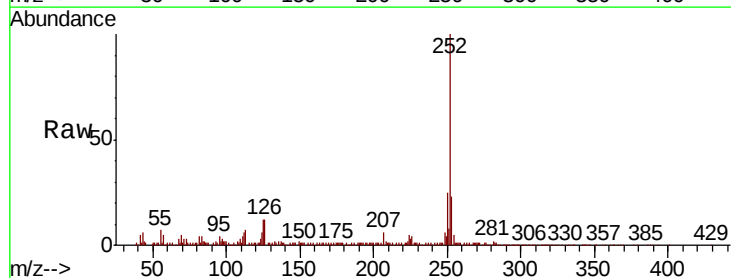
Instrument :
 BNA_F
 ClientSampleId :

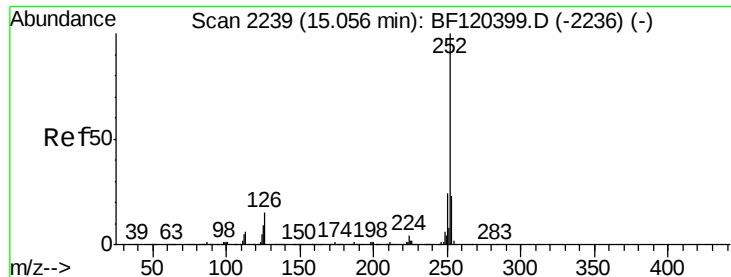
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.6	19.3	28.9
277	24.8	20.7	31.1



#88
 Benzo(b)fluoranthene
 Concen: 13.682 ng
 RT: 15.04 min Scan# 2237
 Delta R.T. -0.01 min
 Lab File: BF120486.D
 Acq: 2 Jun 2020 11:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	11.5	8.2	12.4





#89

Benzo(k)fluoranthene

Concen: 14.656 ng

RT: 15.04 min Scan# 2237

Delta R.T. -0.04 min

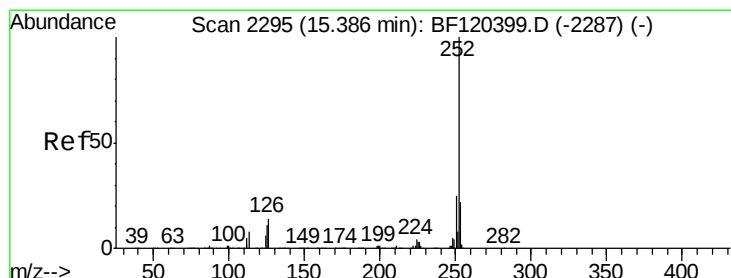
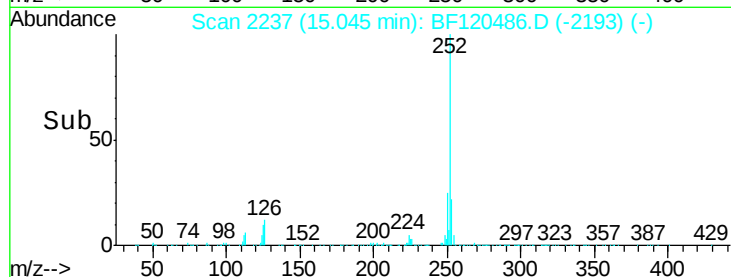
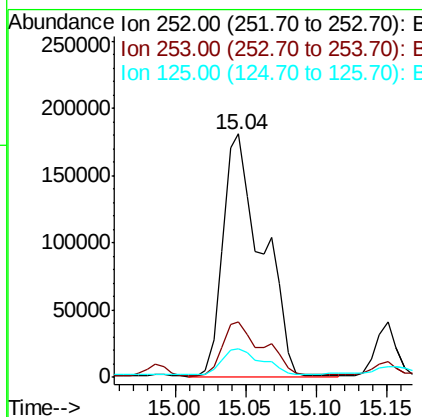
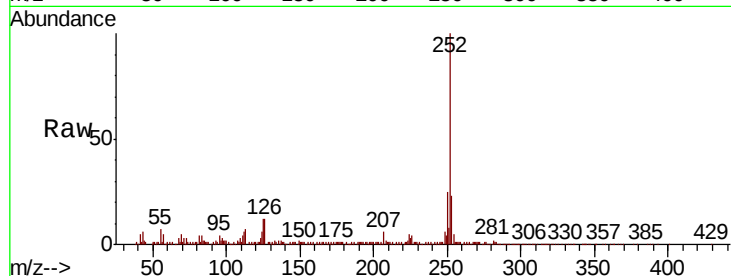
Lab File: BF120486.D

Acq: 2 Jun 2020 11:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 348730

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	11.5	7.1	10.7



#90

Benzo(a)pyrene

Concen: 8.370 ng

RT: 15.40 min Scan# 2298

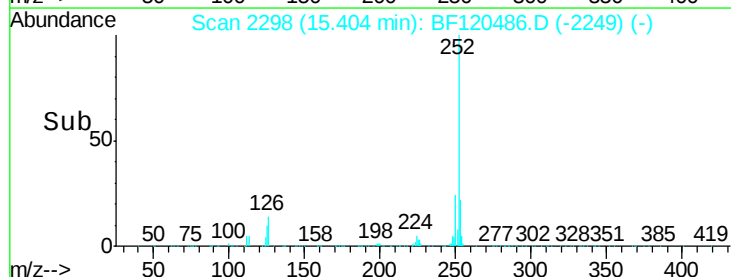
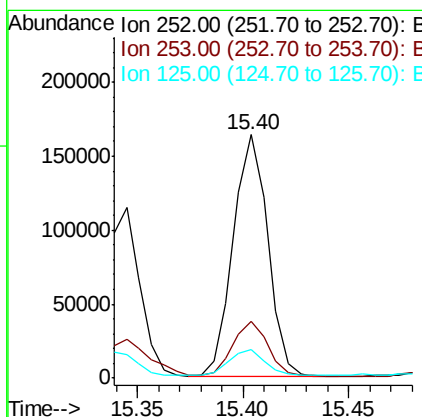
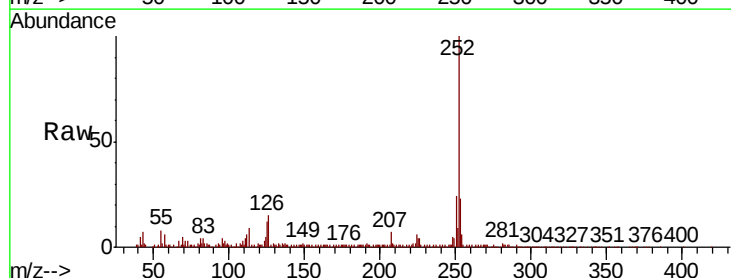
Delta R.T. -0.01 min

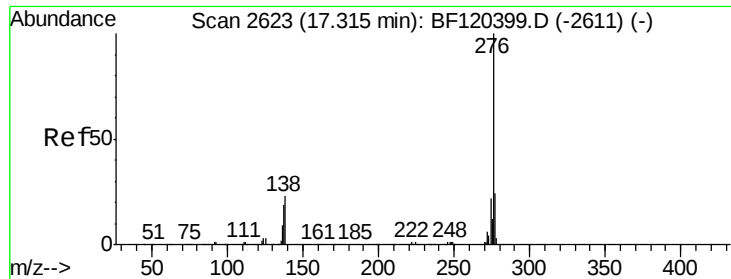
Lab File: BF120486.D

Acq: 2 Jun 2020 11:18

Tgt Ion:252 Resp: 186597

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	11.5	9.0	13.4

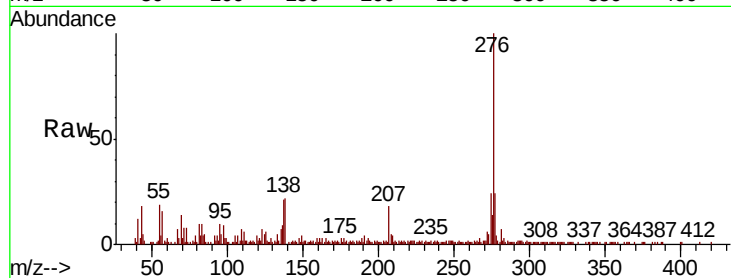




#92
 Benzo(a,h,i)perylene
 Concen: 5.333 ng
 RT: 17.36 min Scan# 2630
 Delta R.T. -0.02 min
 Lab File: BF120486.D
 Acq: 2 Jun 2020 11:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.8	28.2
138	21.6	16.8	25.2



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

