

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060120\
 Data File : BF120478.D
 Acq On : 1 Jun 2020 18:28
 Operator : JU/CG
 Sample : L2503-11
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-052820

Quant Time: Jun 01 19:07:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 12:39:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	216281	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	771839	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	363214	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	600523	20.00	ng	0.00
76) Chrysene-d12	14.00	240	465174	20.00	ng	0.00
86) Perylene-d12	15.46	264	440863	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	1304108	114.91	ng	0.01
7) Phenol-d6	6.47	99	1613814	115.37	ng	0.00
23) Nitrobenzene-d5	7.40	82	994961	84.32	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	388078	115.32	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1758263	82.13	ng	0.00
79) Terphenyl-d14	12.95	244	1653638	79.10	ng	0.00

Target Compounds

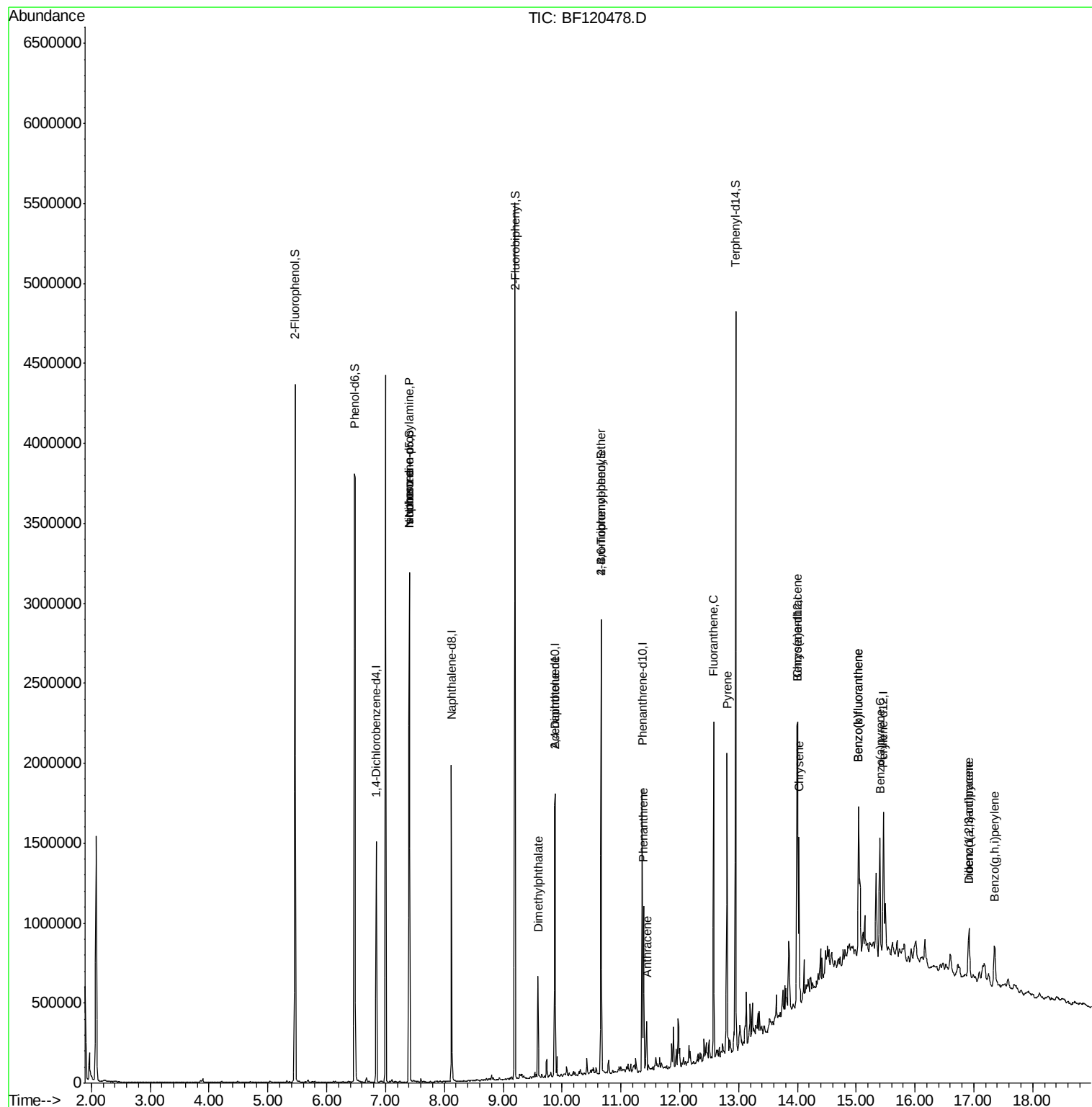
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	132144	14.861	ng	# 79
25) Isophorone	7.40	82	991492	41.808	ng	# 64
50) Dimethylphthalate	9.59	163	239212	10.535	ng	99
57) 2,4-Dinitrotoluene	9.88	165	48019	7.435	ng	# 22
67) 4-Bromophenyl-phenylether	10.67	248	22925	3.782	ng	# 1
71) Phenanthrene	11.39	178	338992	12.811	ng	97
72) Anthracene	11.44	178	118179	4.451	ng	98
75) Fluoranthene	12.57	202	859632	30.192	ng	99
78) Pyrene	12.80	202	786898	24.324	ng	99
81) Benzo(a)anthracene	13.99	228	465996	18.692	ng	97
83) Chrysene	14.03	228	412727	15.791	ng	96
87) Indeno(1,2,3-cd)pyrene	16.92	276	221352	9.180	ng	94
88) Benzo(b)fluoranthene	15.04	252	719348	29.377	ng	98
89) Benzo(k)fluoranthene	15.04	252	719348	31.468	ng	98
90) Benzo(a)pyrene	15.40	252	381511	17.812	ng	98
91) Dibenzo(a,h)anthracene	16.92	278	54127	2.753	ng	# 82
92) Benzo(g,h,i)perylene	17.35	276	204676	10.556	ng	97

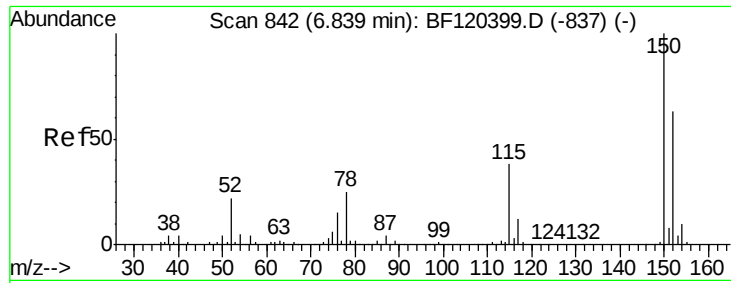
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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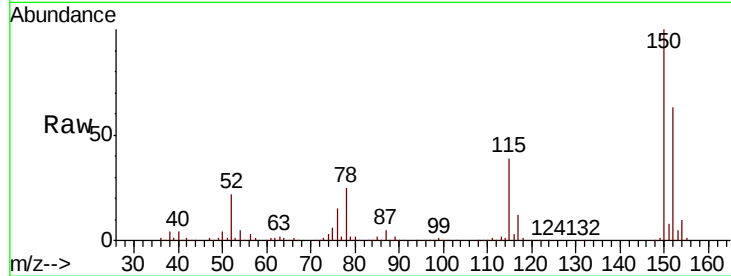


#1

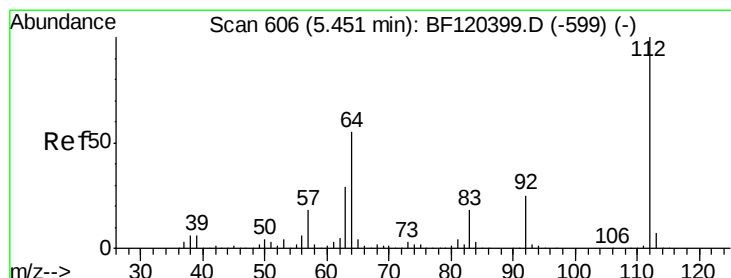
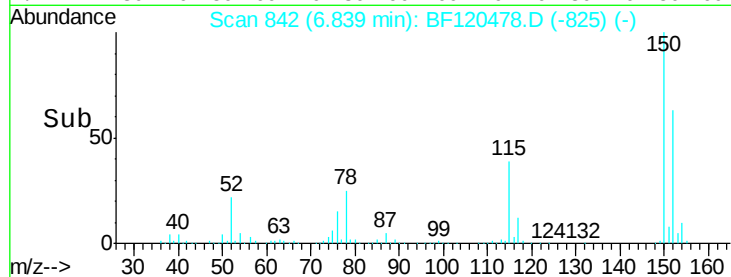
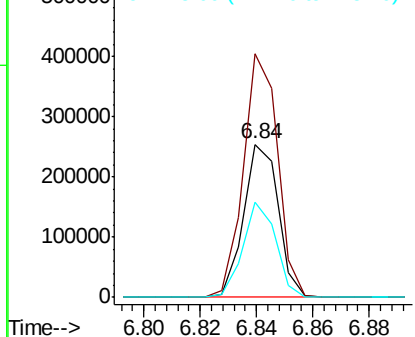
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF120478.D
Acq: 1 Jun 2020 18:28

Instrument :
BNA_F
ClientSampleId :
OR-03-052820

Tot Ion:152 Resp: 216281
Ion Ratio Lower Upper
152 100
150 158.9 126.5 189.7
115 61.8 47.6 71.4



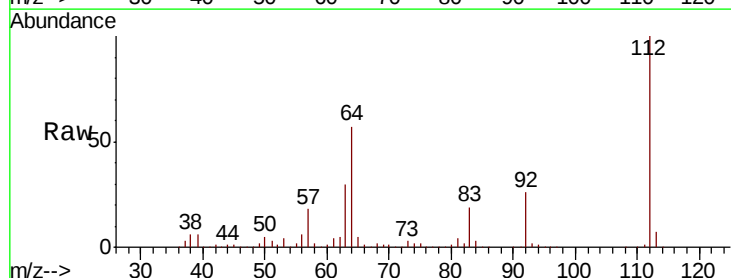
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



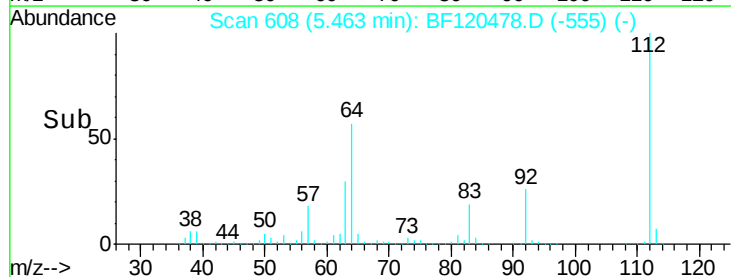
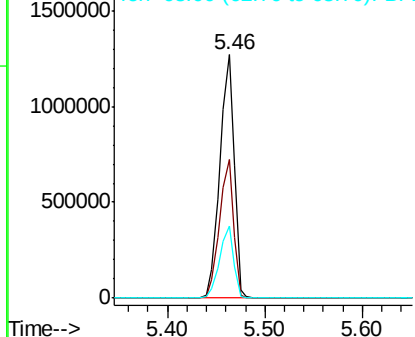
#5

2-Fluorophenol
Concen: 114.911 ng
RT: 5.46 min Scan# 608
Delta R.T. 0.01 min
Lab File: BF120478.D
Acq: 1 Jun 2020 18:28

Tgt Ion:112 Resp: 1304108
Ion Ratio Lower Upper
112 100
64 57.1 44.3 66.5
63 29.8 22.9 34.3



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: 115.369 ng

RT: 6.47 min Scan# 780

Delta R.T. 0.01 min

Lab File: BF120478.D

Acq: 1 Jun 2020 18:28

Instrument :

BNA_F

ClientSampleId :

OR-03-052820

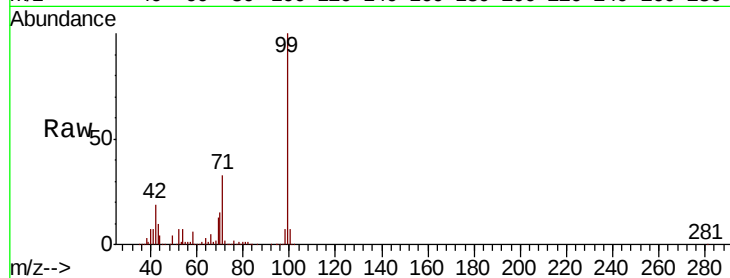
Tot Ion: 99 Resp: 1613814

Ion Ratio Lower Upper

99 100

42 18.9 15.2 22.8

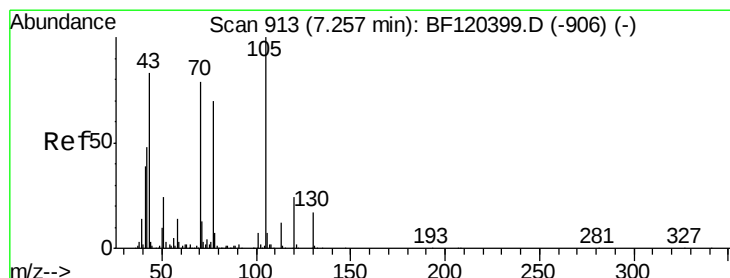
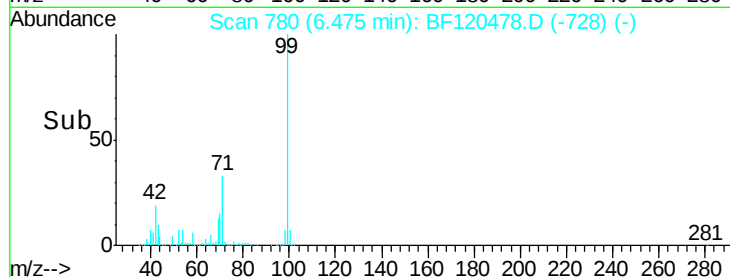
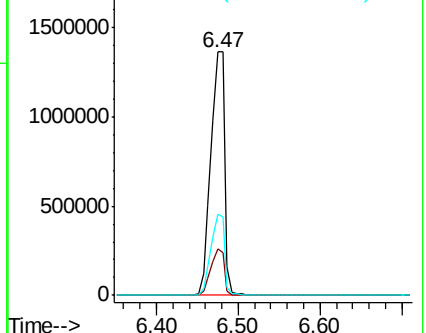
71 33.1 25.6 38.4



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: 14.861 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.15 min

Lab File: BF120478.D

Acq: 1 Jun 2020 18:28

Tgt Ion: 70 Resp: 132144

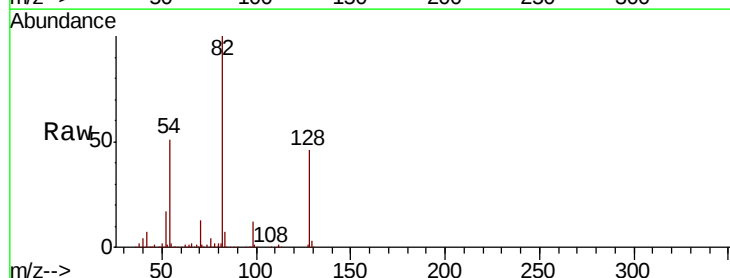
Ion Ratio Lower Upper

70 100

42 50.2 48.9 73.3

101 0.0 7.4 11.2#

130 2.2 16.8 25.2#

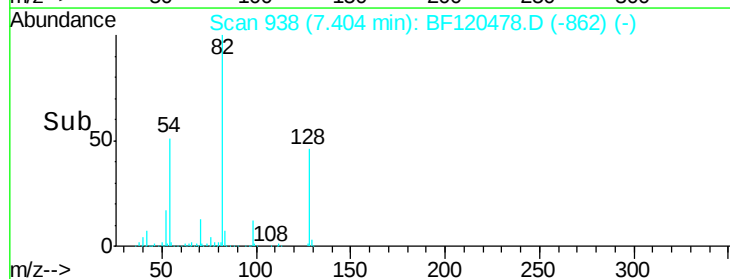
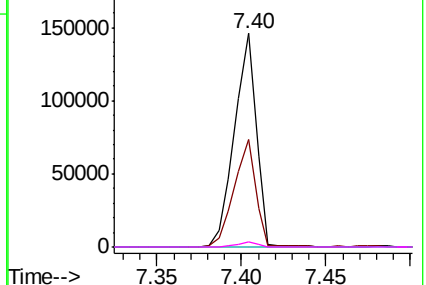


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.12 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BF120478.D

Acq: 1 Jun 2020 18:28

Instrument :

BNA_F

ClientSampleId :

OR-03-052820

Tot Ion:136 Resp: 771839

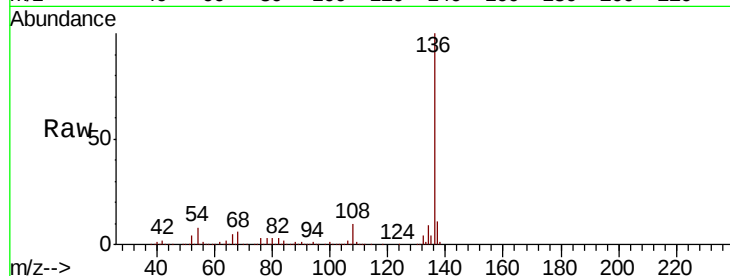
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 8.0 6.7 10.1

68 6.3 5.0 7.4

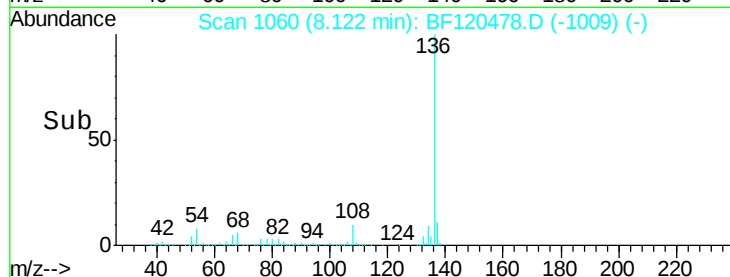


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

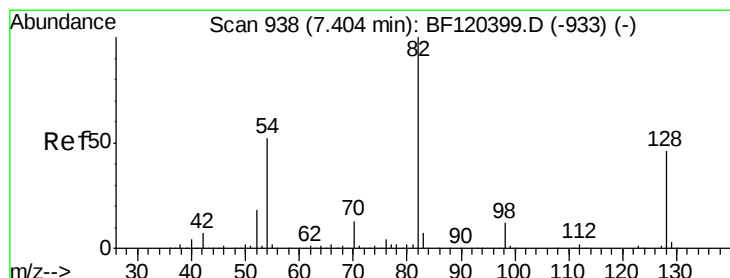
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->

8.10 8.15



#23

Nitrobenzene-d5

Concen: 84.323 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF120478.D

Acq: 1 Jun 2020 18:28

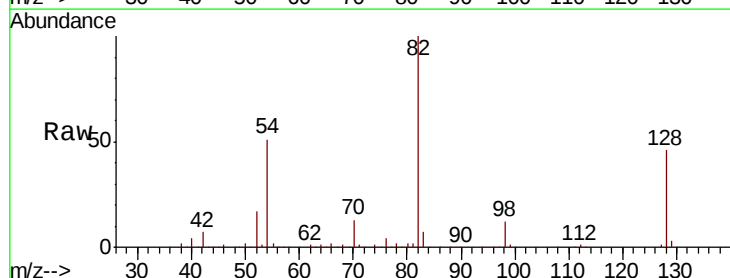
Tgt Ion: 82 Resp: 994961

Ion Ratio Lower Upper

82 100

128 46.0 36.8 55.2

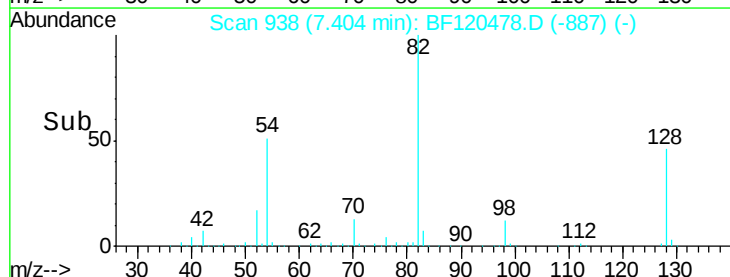
54 50.7 41.6 62.4



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



Time-->

7.35 7.40 7.45 7.50



#25

Isophorone

Concen: 41.808 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.26 min

Lab File: BF120478.D

Acq: 1 Jun 2020 18:28

Instrument :

BNA_F

ClientSampleId :

OR-03-052820

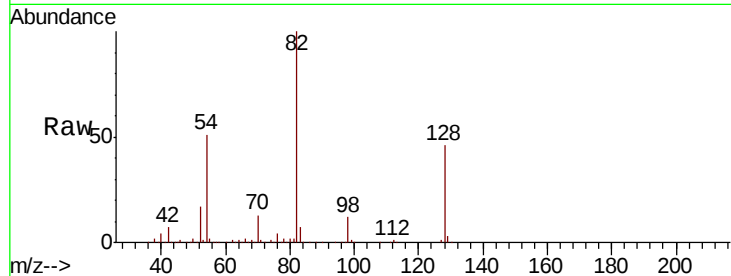
Tot Ion: 82 Resp: 991492

Ion Ratio Lower Upper

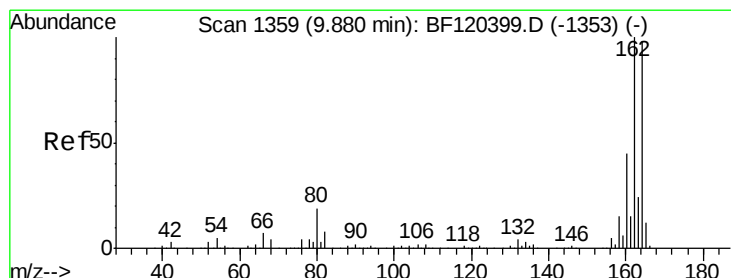
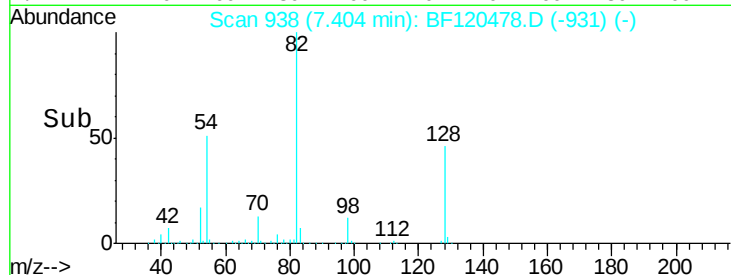
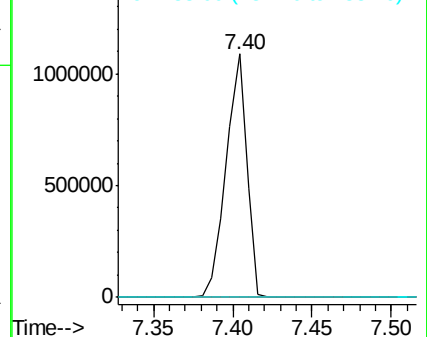
82 100

95 0.0 5.6 8.4#

138 0.0 15.0 22.4#



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: BF120478.D

Acq: 1 Jun 2020 18:28

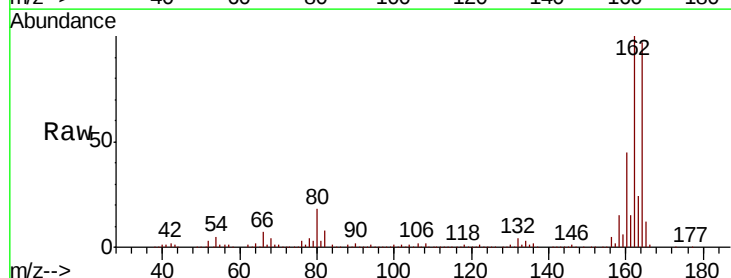
Tgt Ion:164 Resp: 363214

Ion Ratio Lower Upper

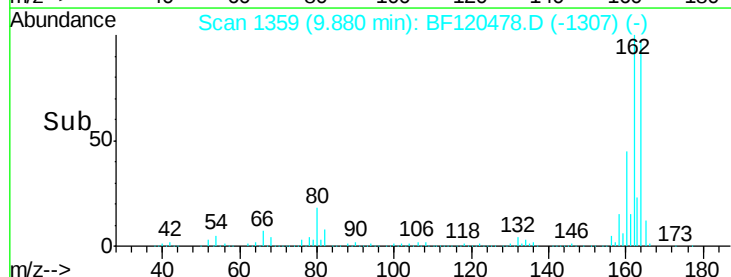
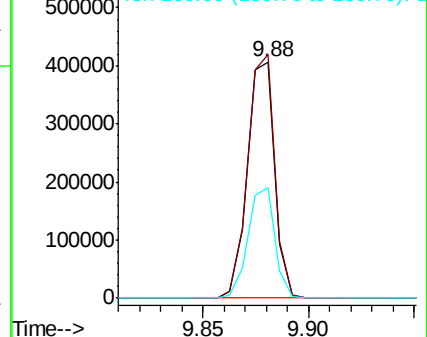
164 100

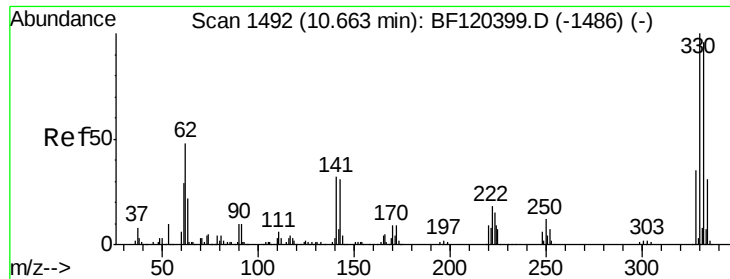
162 103.0 81.3 121.9

160 46.8 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

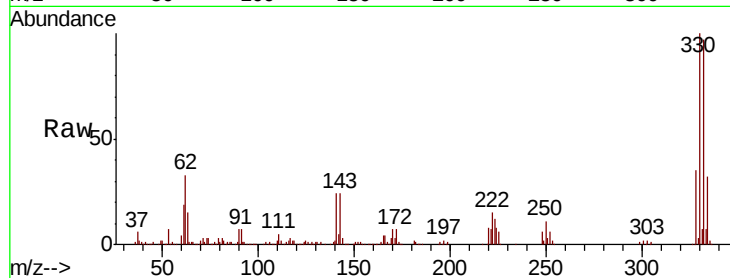




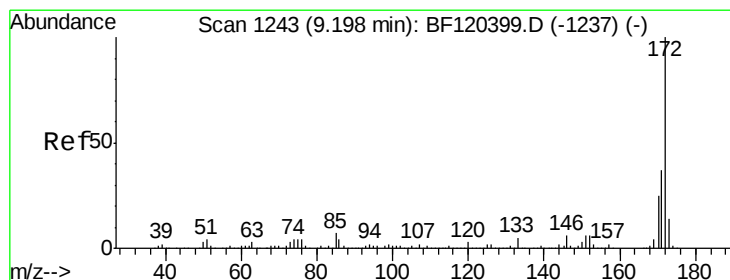
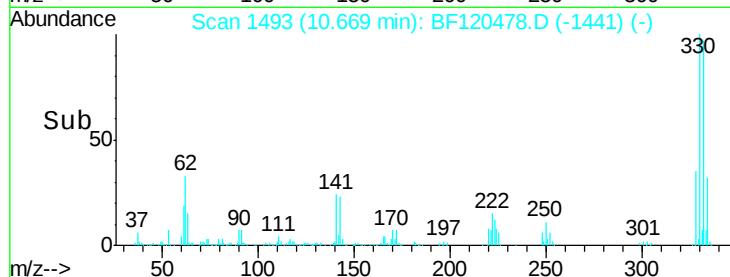
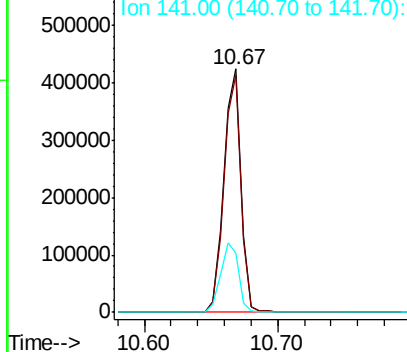
#42
 2,4,6-Tribromophenol
 Concen: 115.316 ng
 RT: 10.67 min Scan# 1493
 Delta R.T. 0.01 min
 Lab File: BF120478.D
 Acq: 1 Jun 2020 18:28

Instrument :
 BNA_F
 ClientSampled :
 OR-03-052820

Tot Ion:330 Resp: 388078
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.0 115.6
 141 29.5 25.3 37.9

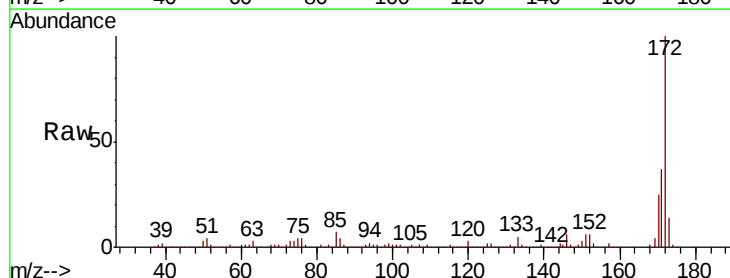


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

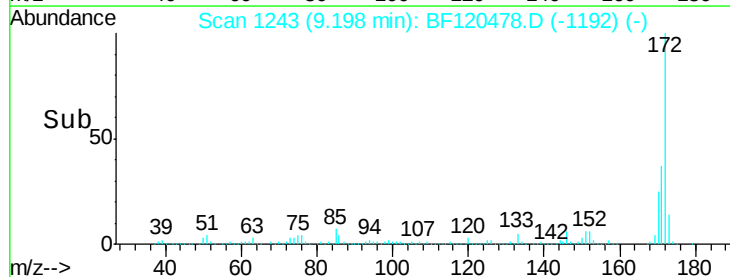
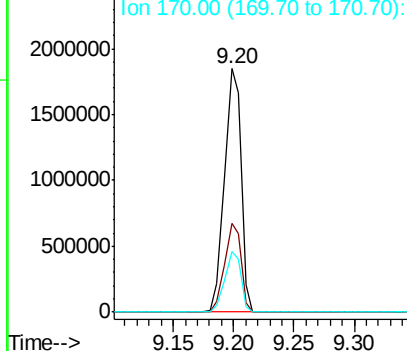


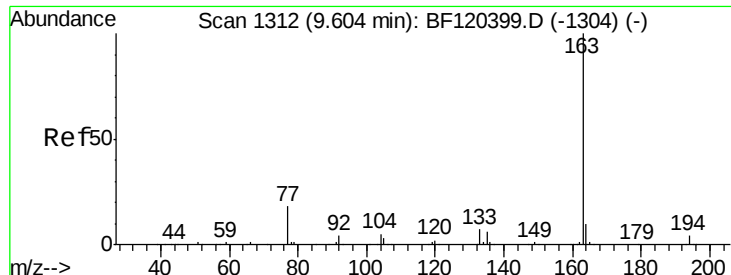
#45
 2-Fluorobiphenyl
 Concen: 82.134 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120478.D
 Acq: 1 Jun 2020 18:28

Tgt Ion:172 Resp: 1758263
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.7 44.5
 170 24.7 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

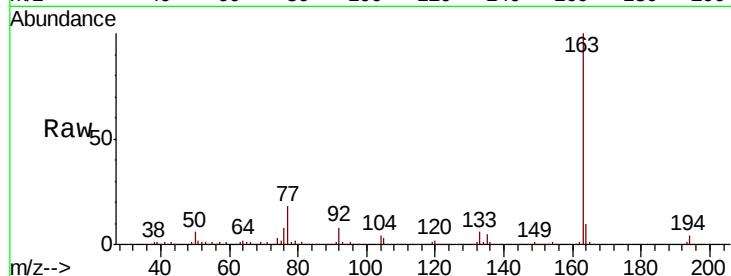




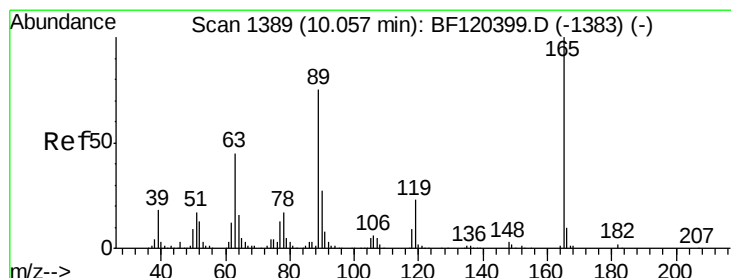
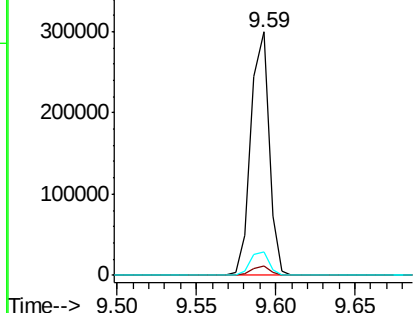
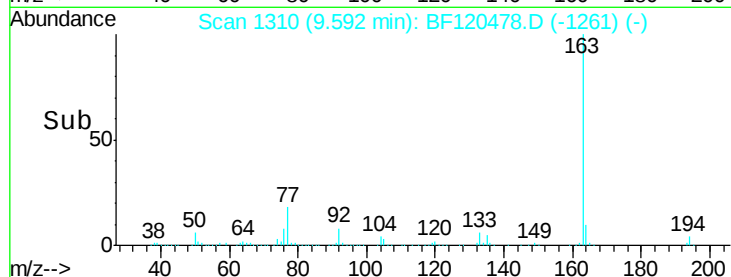
#50
Dimethylphthalate
Concen: 10.535 ng
RT: 9.59 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF120478.D
Acq: 1 Jun 2020 18:28

Instrument :
BNA_F
ClientSampleId :
OR-03-052820

Tot Ion:163	Resp:	239212
Ion Ratio	Lower	Upper
163	100	
194	3.8	3.3 4.9
164	9.9	8.3 12.5

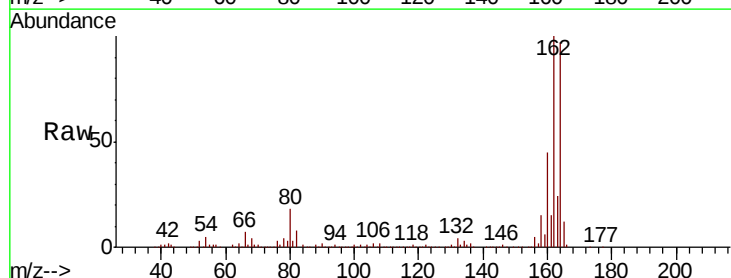


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

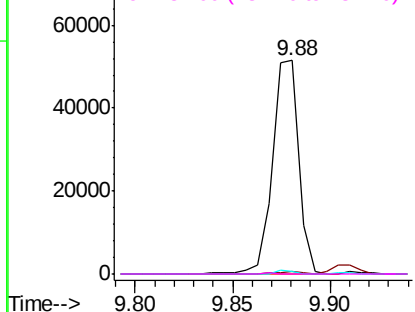
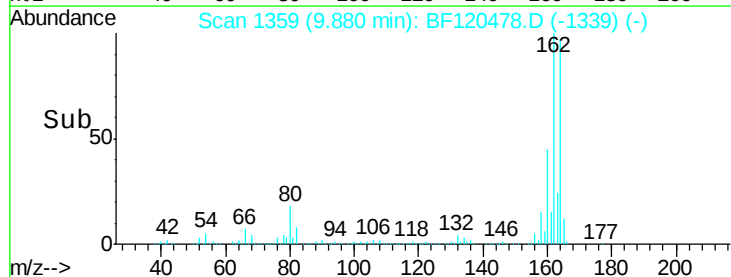


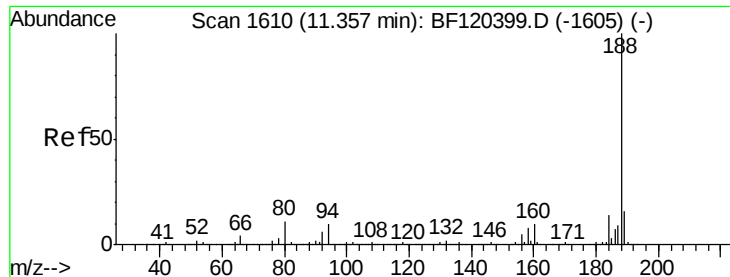
#57
2,4-Dinitrotoluene
Concen: 7.435 ng
RT: 9.88 min Scan# 1359
Delta R.T. -0.18 min
Lab File: BF120478.D
Acq: 1 Jun 2020 18:28

Tgt Ion:165	Resp:	48019
Ion Ratio	Lower	Upper
165	100	
63	1.2	35.9 53.9#
89	1.1	60.0 90.0#
182	0.0	2.0 3.0#



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: 11.36 min Scan# 1611

Delta R.T. 0.01 min

Lab File: BF120478.D

Acq: 1 Jun 2020 18:28

Instrument :

BNA_F

ClientSampleId :

OR-03-052820

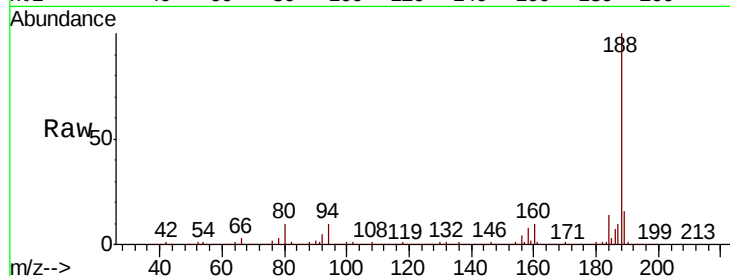
Tot Ion:188 Resp: 600523

Ion Ratio Lower Upper

188 100

94 9.6 7.9 11.9

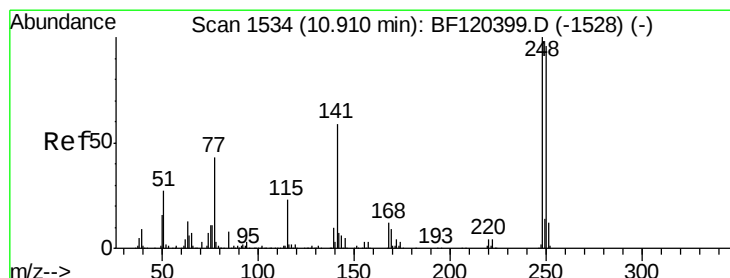
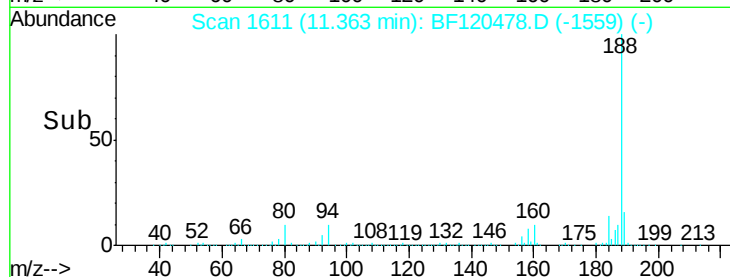
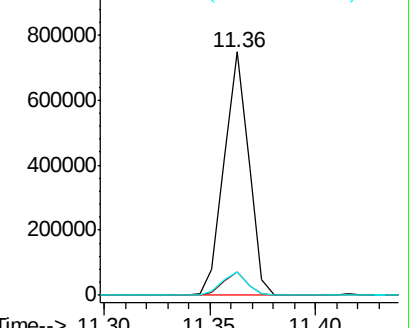
80 9.6 8.6 13.0



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: 3.782 ng

RT: 10.67 min Scan# 1493

Delta R.T. -0.24 min

Lab File: BF120478.D

Acq: 1 Jun 2020 18:28

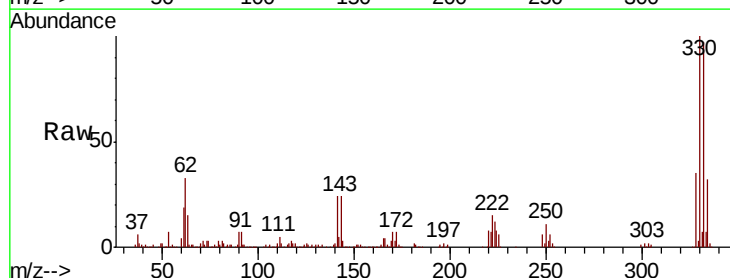
Tgt Ion:248 Resp: 22925

Ion Ratio Lower Upper

248 100

250 203.0 76.5 114.7#

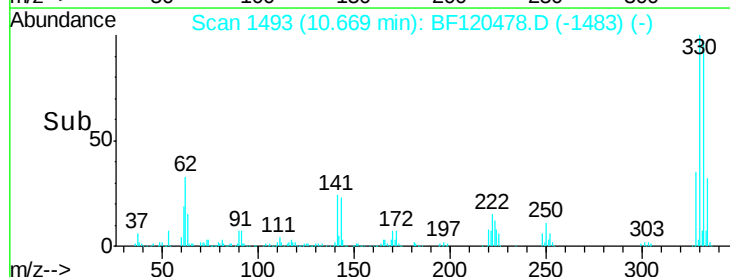
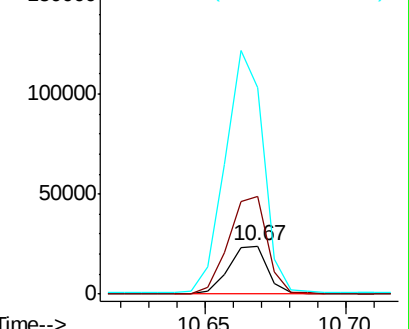
141 430.7 47.2 70.8#

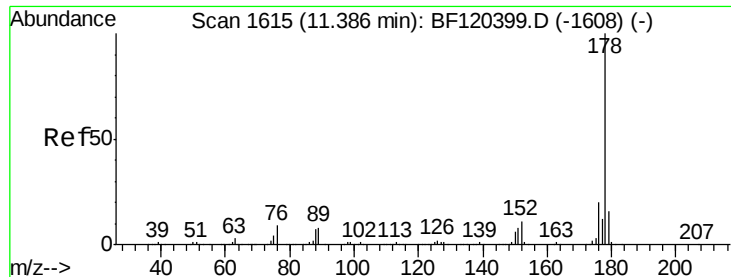


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

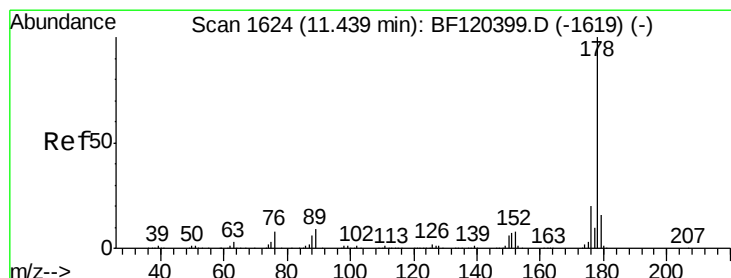
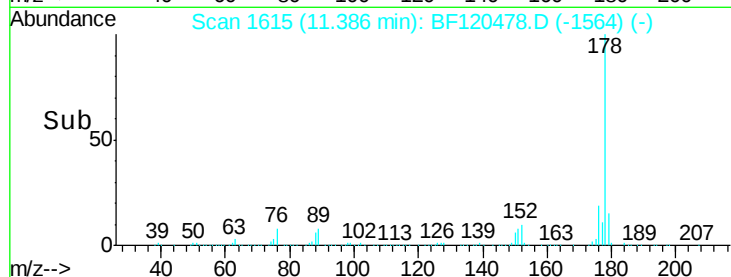
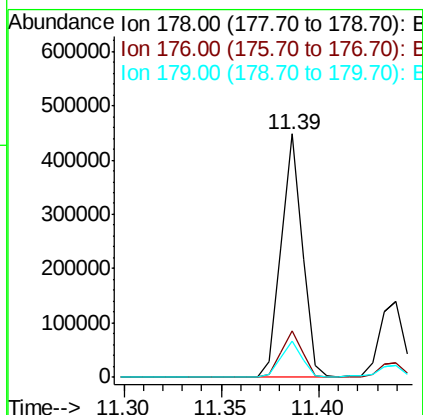
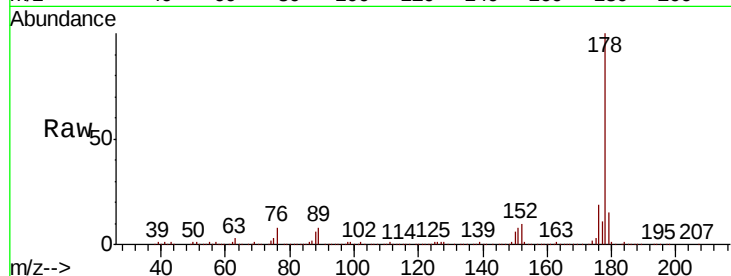




#71
Phenanthrene
Concen: 12.811 ng
RT: 11.39 min Scan# 1615
Delta R.T. 0.00 min
Lab File: BF120478.D
Acq: 1 Jun 2020 18:28

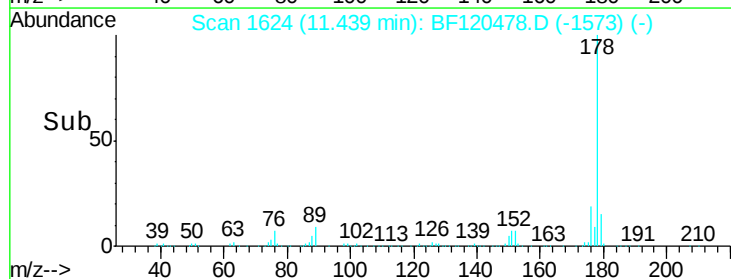
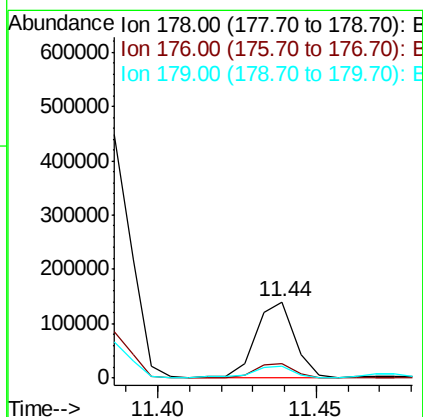
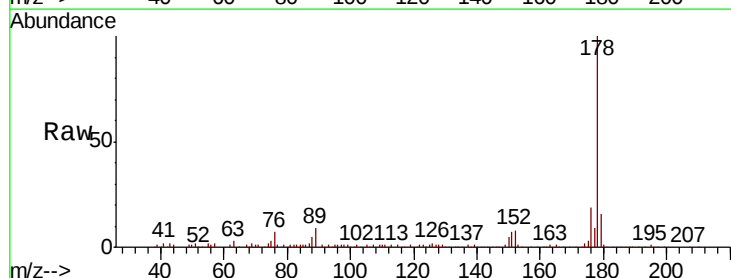
Instrument :
BNA_F
ClientSampleId :
OR-03-052820

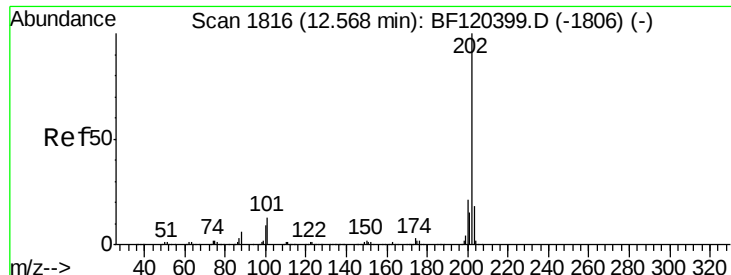
Tot Ion:178 Resp: 338992
Ion Ratio Lower Upper
178 100
176 18.9 16.4 24.6
179 15.1 13.0 19.4



#72
Anthracene
Concen: 4.451 ng
RT: 11.44 min Scan# 1624
Delta R.T. 0.00 min
Lab File: BF120478.D
Acq: 1 Jun 2020 18:28

Tgt Ion:178 Resp: 118179
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.6
179 15.8 12.8 19.2





#75

Fluoranthene

Concen: 30.192 ng

RT: 12.57 min Scan# 1817

Delta R.T. 0.00 min

Lab File: BF120478.D

Acq: 1 Jun 2020 18:28

Instrument :

BNA_F

ClientSampleId :

OR-03-052820

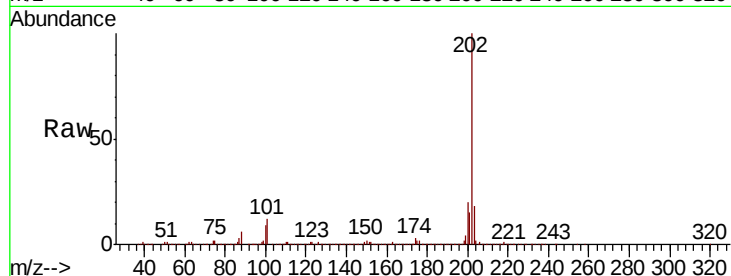
Tot Ion:202 Resp: 859632

Ion Ratio Lower Upper

202 100

101 11.7 0.0 32.6

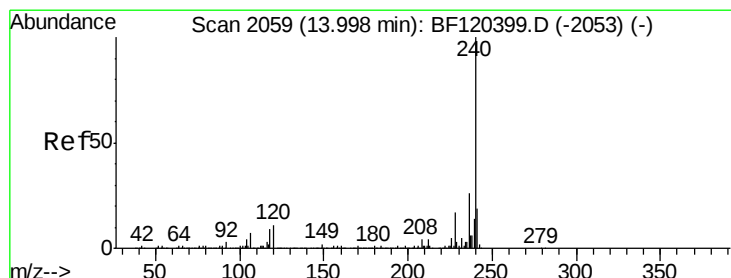
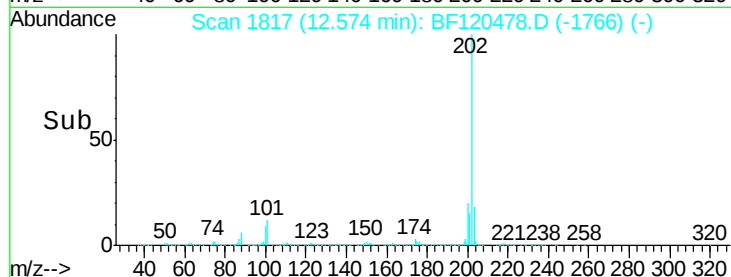
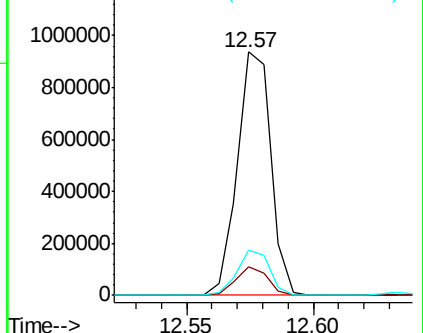
203 18.4 0.0 38.4



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: 14.00 min Scan# 2060

Delta R.T. 0.01 min

Lab File: BF120478.D

Acq: 1 Jun 2020 18:28

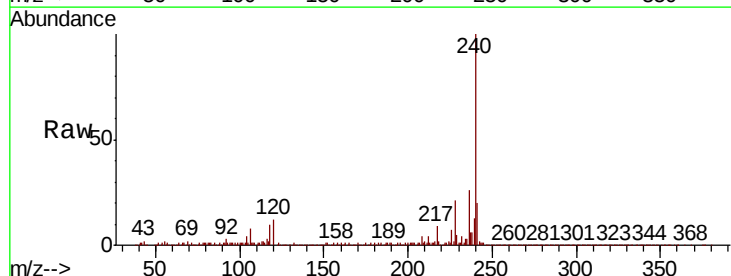
Tgt Ion:240 Resp: 465174

Ion Ratio Lower Upper

240 100

120 11.5 8.8 13.2

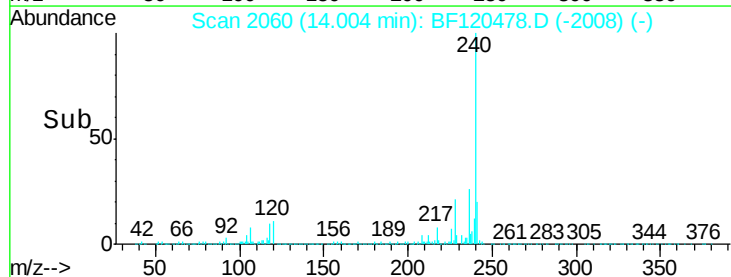
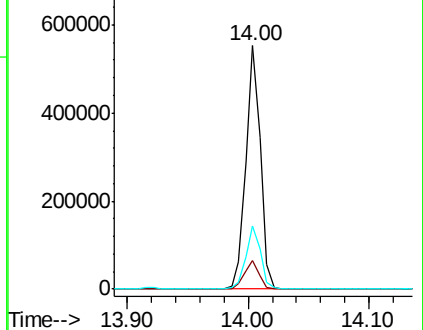
236 25.9 21.0 31.4

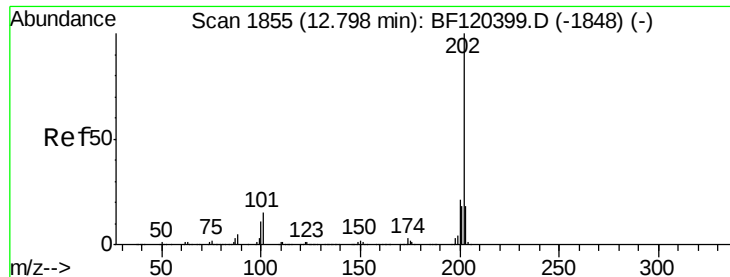


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

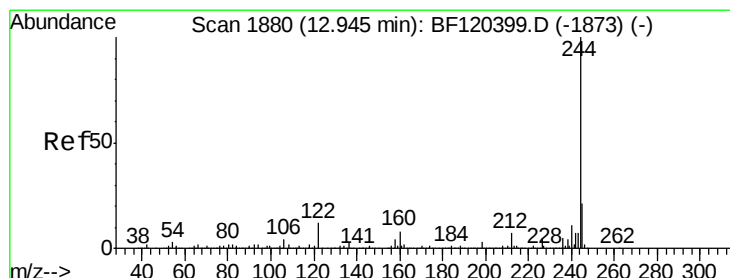
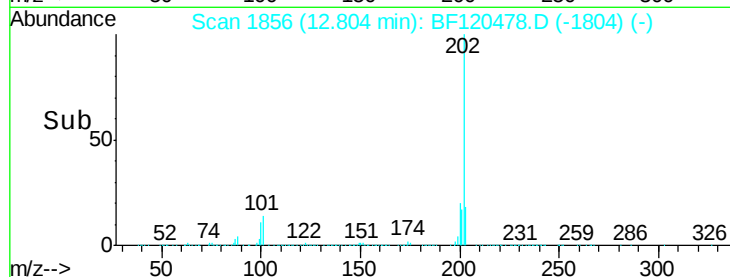
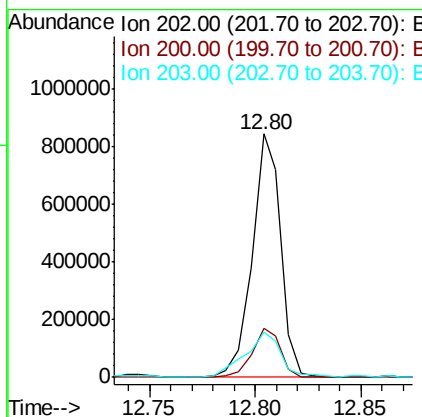
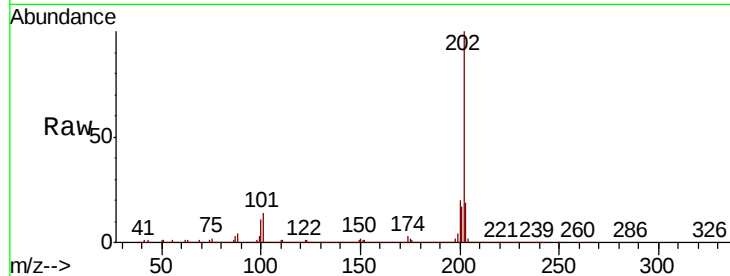




#78
Pvrene
Concen: 24.324 ng
RT: 12.80 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BF120478.D
Acq: 1 Jun 2020 18:28

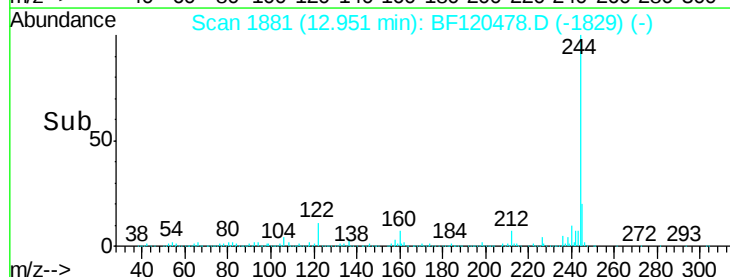
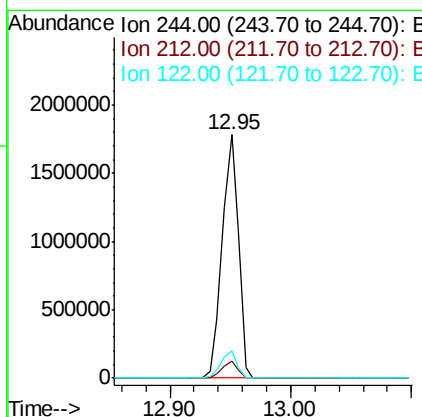
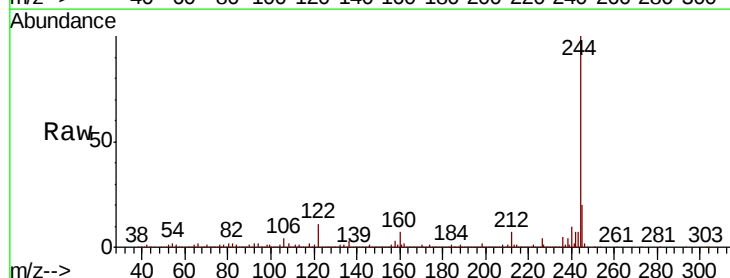
Instrument :
BNA_F
ClientSampleId :
OR-03-052820

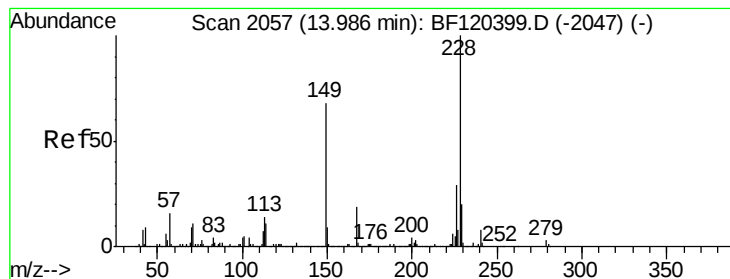
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.0	25.4
203	18.6	14.7	22.1



#79
Terphenyl-d14
Concen: 79.105 ng
RT: 12.95 min Scan# 1881
Delta R.T. 0.01 min
Lab File: BF120478.D
Acq: 1 Jun 2020 18:28

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.9	8.9
122	11.0	9.2	13.8

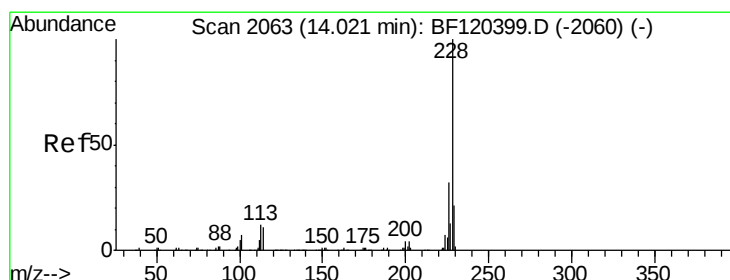
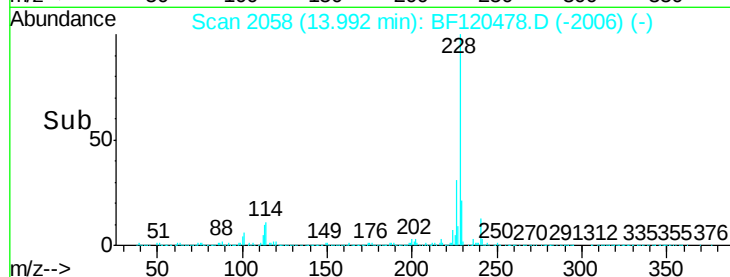
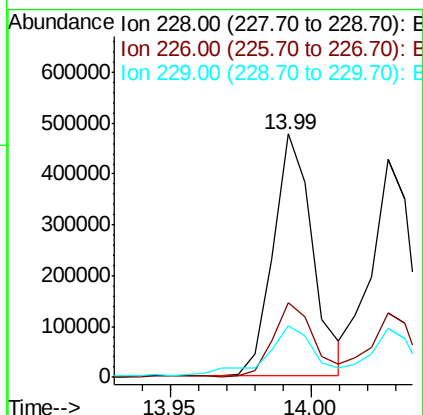
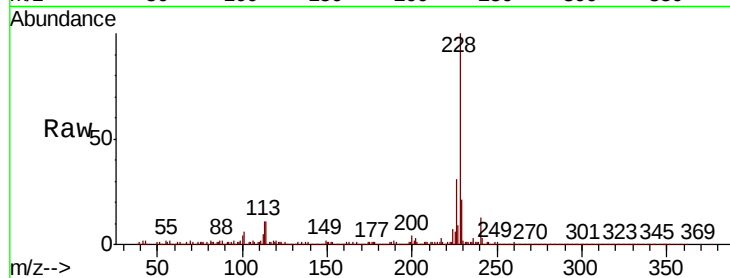




#81
Benzo(a)anthracene
Concen: 18.692 ng
RT: 13.99 min Scan# 2058
Delta R.T. 0.01 min
Lab File: BF120478.D
Acq: 1 Jun 2020 18:28

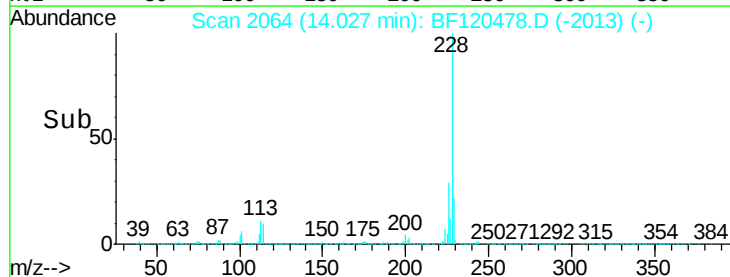
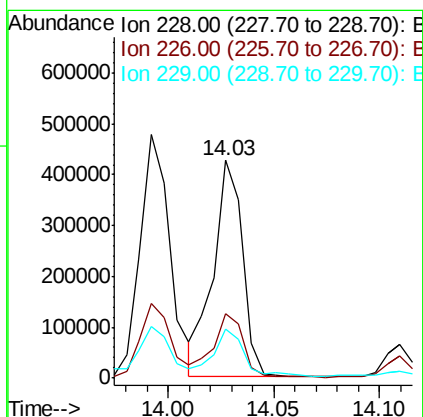
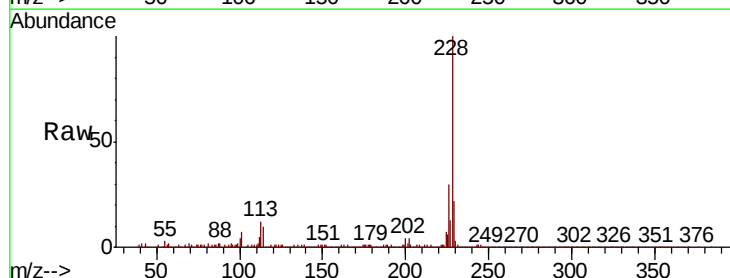
Instrument :
BNA_F
ClientSampleId :
OR-03-052820

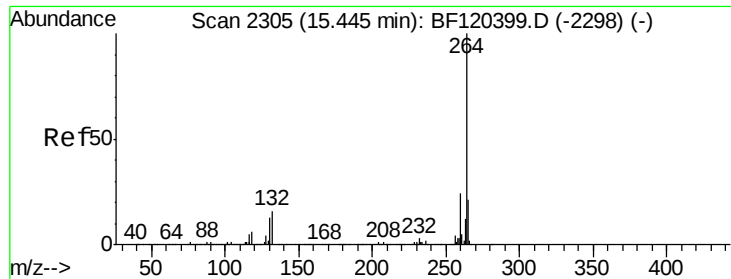
Tot Ion:228 Resp: 465996
Ion Ratio Lower Upper
228 100
226 30.8 23.0 34.4
229 21.4 16.2 24.4



#83
Chrysene
Concen: 15.791 ng
RT: 14.03 min Scan# 2064
Delta R.T. 0.00 min
Lab File: BF120478.D
Acq: 1 Jun 2020 18:28

Tgt Ion:228 Resp: 412727
Ion Ratio Lower Upper
228 100
226 29.6 25.6 38.4
229 22.3 16.6 25.0



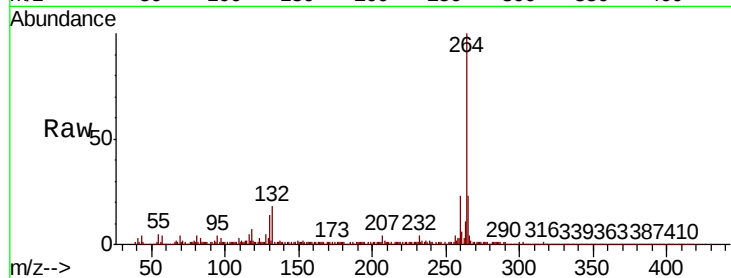


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2308
Delta R.T. 0.01 min
Lab File: BF120478.D
Acq: 1 Jun 2020 18:28

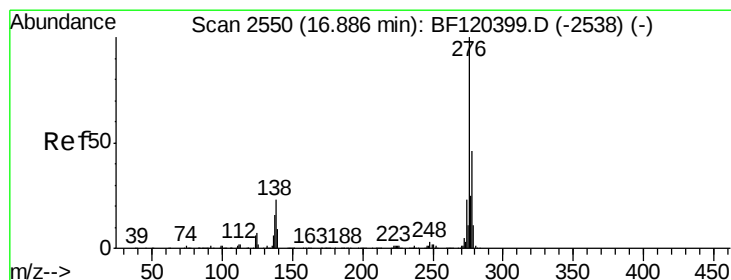
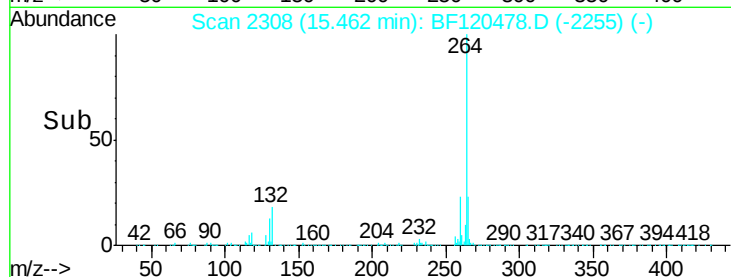
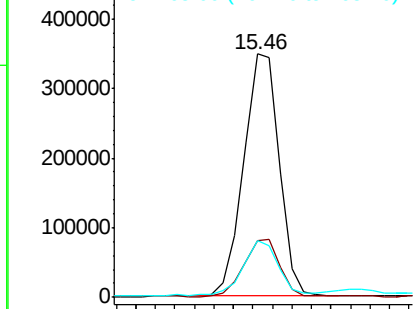
Instrument :
BNA_F
ClientSampleId :
OR-03-052820

Tot Ion:264 Resp: 440863

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	23.2	16.9	25.3



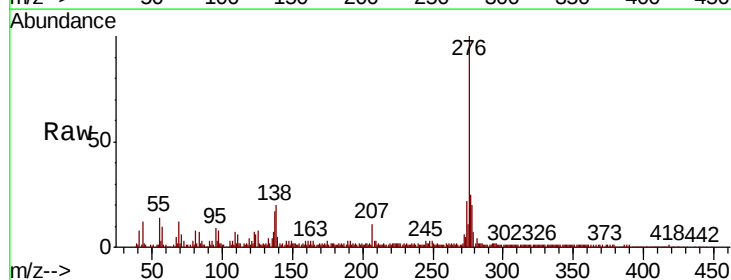
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



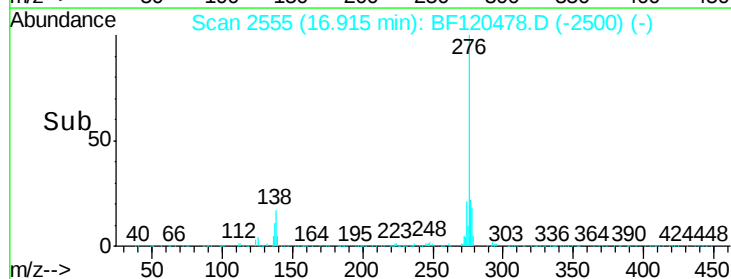
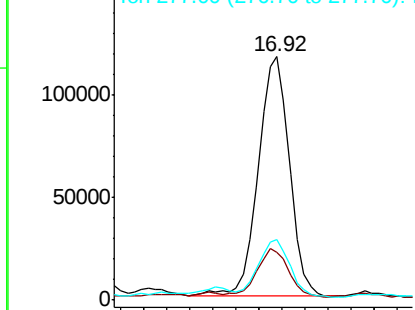
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.180 ng
RT: 16.92 min Scan# 2555
Delta R.T. 0.02 min
Lab File: BF120478.D
Acq: 1 Jun 2020 18:28

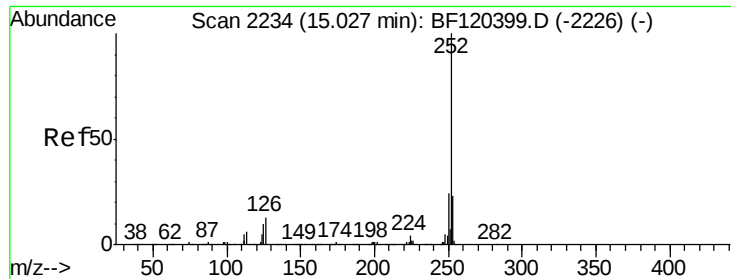
Tgt Ion:276 Resp: 221352

Ion	Ratio	Lower	Upper
276	100		
138	20.4	20.4	30.6
277	24.1	20.4	30.6



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

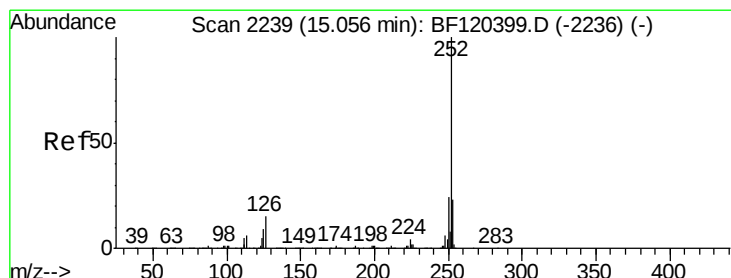
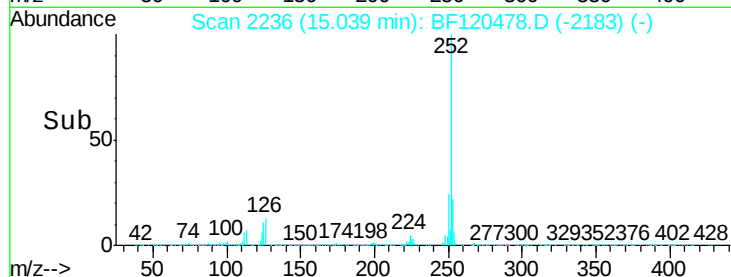
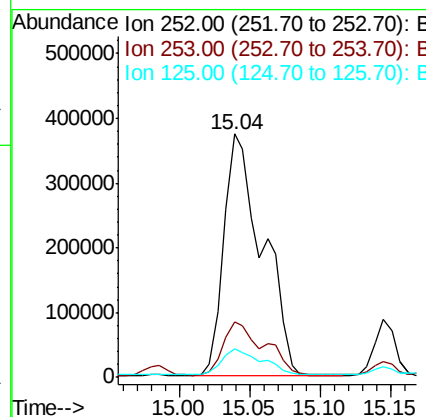
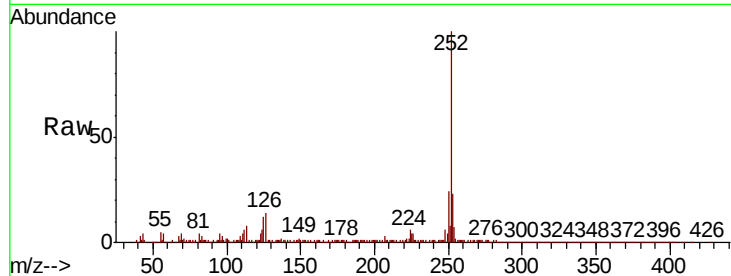




#88
Benzo(b)fluoranthene
Concen: 29.377 ng
RT: 15.04 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BF120478.D
Acq: 1 Jun 2020 18:28

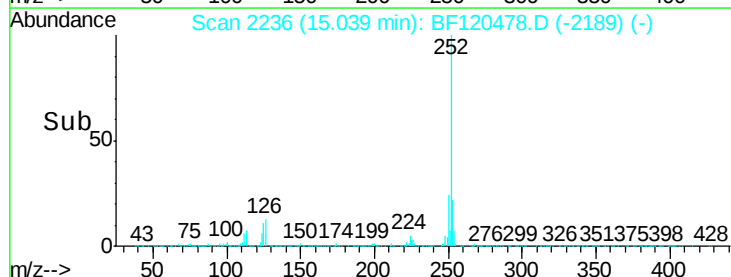
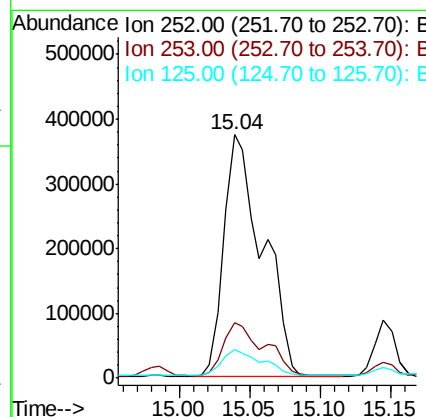
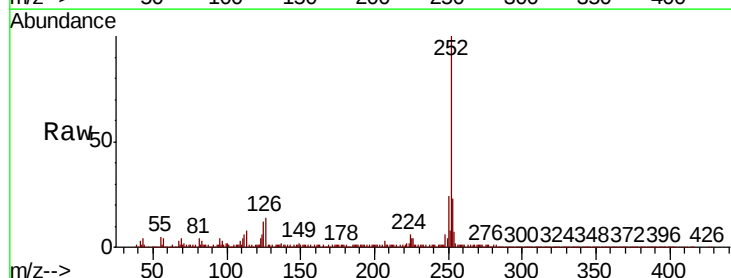
Instrument :
BNA_F
ClientSampleId :
OR-03-052820

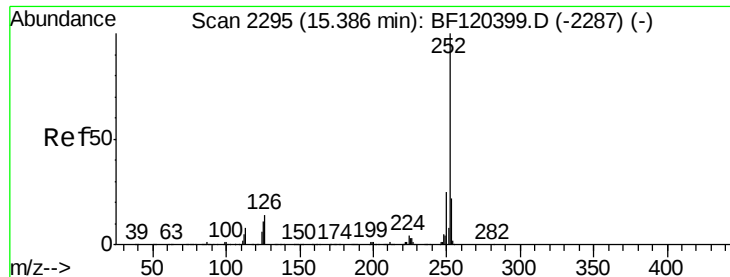
Tot Ion:252 Resp: 719348
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 11.8 7.8 11.8



#89
Benzo(k)fluoranthene
Concen: 31.468 ng
RT: 15.04 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF120478.D
Acq: 1 Jun 2020 18:28

Tgt Ion:252 Resp: 719348
Ion Ratio Lower Upper
252 100
253 23.0 18.5 27.7
125 11.8 8.0 12.0





#90

Benzo(a)pyrene

Concen: 17.812 ng

RT: 15.40 min Scan# 2298

Delta R.T. 0.01 min

Lab File: BF120478.D

Acq: 1 Jun 2020 18:28

Instrument :

BNA_F

ClientSampleId :

OR-03-052820

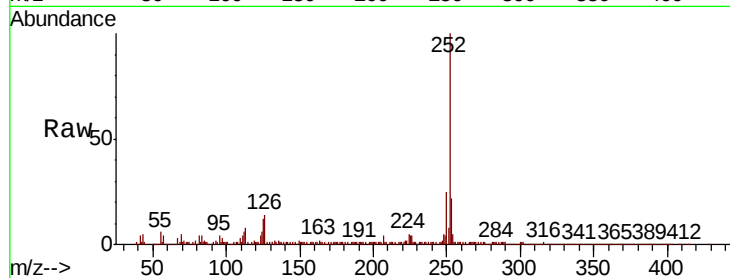
Tot Ion:252 Resp: 381511

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

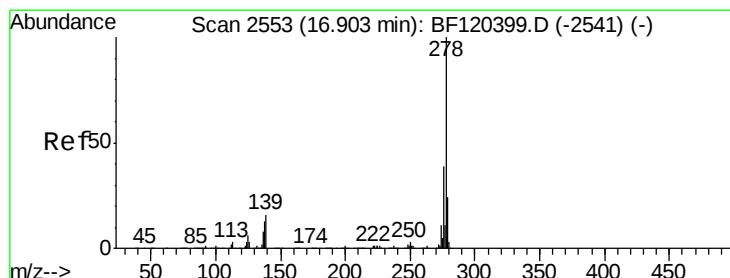
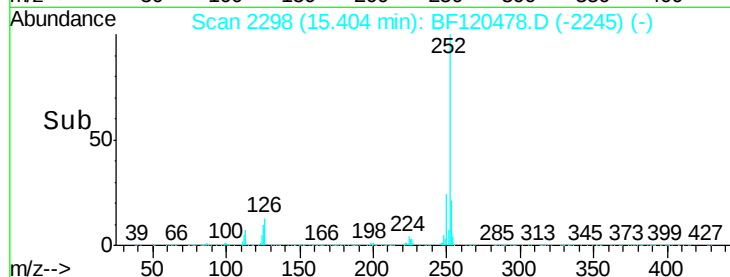
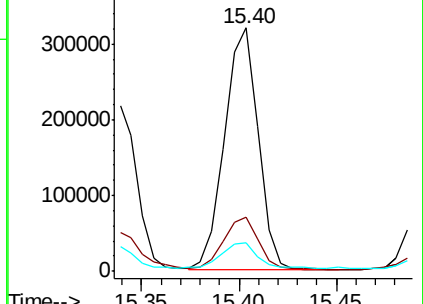
125 11.5 8.7 13.1



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



#91

Dibenzo(a,h)anthracene

Concen: 2.753 ng

RT: 16.92 min Scan# 2556

Delta R.T. 0.01 min

Lab File: BF120478.D

Acq: 1 Jun 2020 18:28

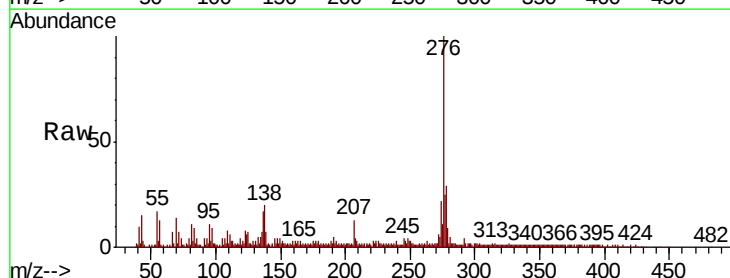
Tgt Ion:278 Resp: 54127

Ion Ratio Lower Upper

278 100

139 25.5 12.8 19.2#

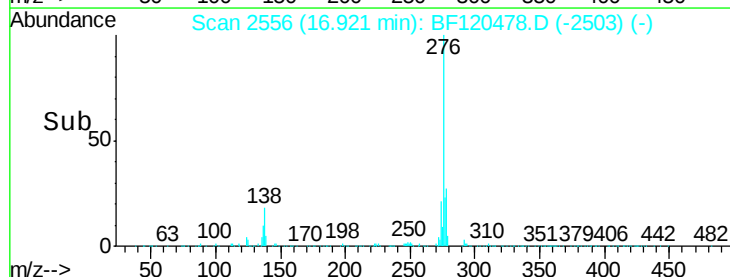
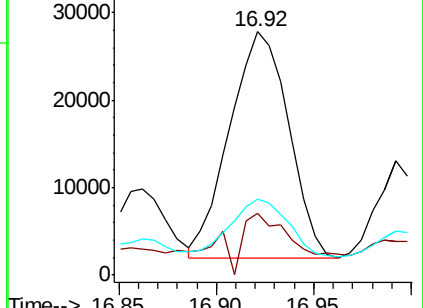
279 31.1 19.0 28.4#

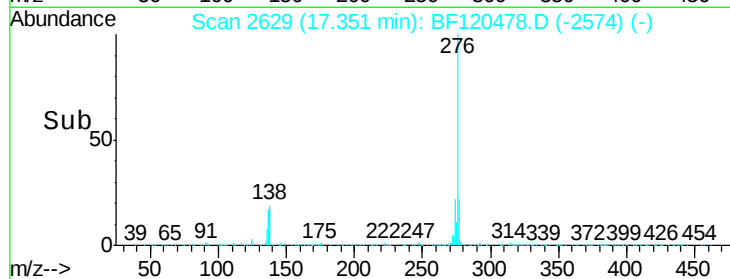
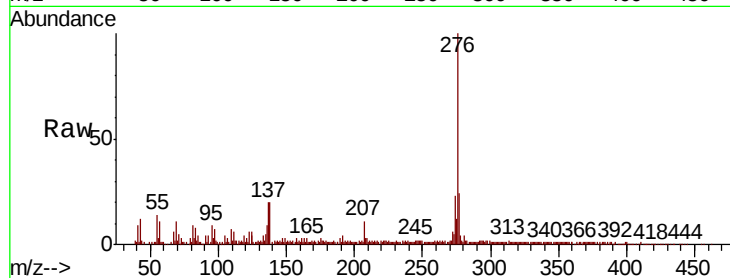
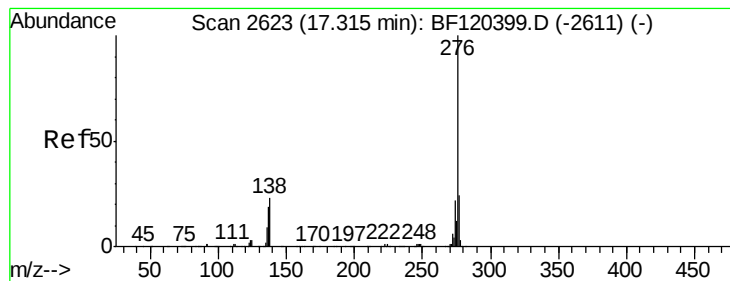


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 10.556 ng

RT: 17.35 min Scan# 2629

Delta R.T. 0.02 min

Lab File: BF120478.D

Acq: 1 Jun 2020 18:28

Instrument :

BNA_F

ClientSampleId :

OR-03-052820

Tot Ion:276 Resp: 204676

Ion Ratio Lower Upper

276 100

277 23.8 19.5 29.3

138 20.3 18.1 27.1

