

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060120\
 Data File : BF120476.D
 Acq On : 1 Jun 2020 17:34
 Operator : JU/CG
 Sample : L2773-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM16-COMP-2020-0-6

Quant Time: Jun 01 18:47:17 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	235055	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	841654	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	396794	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	662347	20.00	ng	0.00
76) Chrysene-d12	14.00	240	531317	20.00	ng	0.00
86) Perylene-d12	15.46	264	495983	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1296253	105.10	ng	0.01
7) Phenol-d6	6.47	99	1647086	108.34	ng	0.00
23) Nitrobenzene-d5	7.40	82	1098272	85.36	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	419022	113.97	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1929117	82.49	ng	0.00
79) Terphenyl-d14	12.95	244	1840863	77.10	ng	0.00

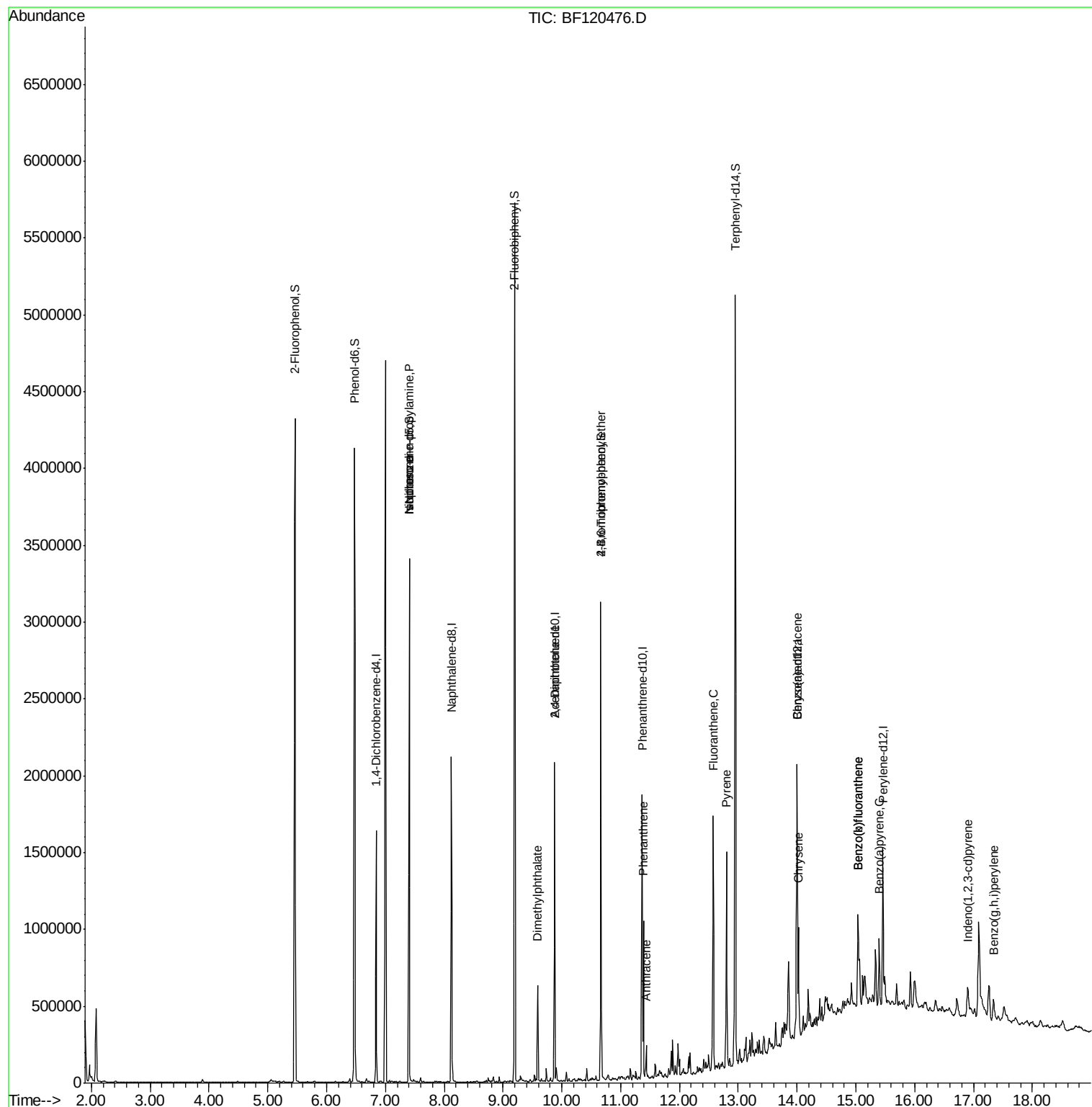
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	147115	15.223	ng	# 77
25) Isophorone	7.40	82	1094208	42.312	ng	# 64
50) Dimethylphthalate	9.59	163	246445	9.935	ng	98
57) 2,4-Dinitrotoluene	9.87	165	51161	7.251	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	25108	3.755	ng	# 1
71) Phenanthrene	11.39	178	354772	12.156	ng	97
72) Anthracene	11.43	178	78121	2.668	ng	99
75) Fluoranthene	12.57	202	604986	19.265	ng	98
78) Pyrene	12.80	202	542146	14.672	ng	99
81) Benzo(a)anthracene	13.99	228	278009	9.763	ng	97
83) Chrysene	14.03	228	285855	9.575	ng	98
87) Indeno(1,2,3-cd)pyrene	16.90	276	131028	4.830	ng	# 93
88) Benzo(b)fluoranthene	15.03	252	465372	16.893	ng	# 98
89) Benzo(k)fluoranthene	15.03	252	465372	18.095	ng	98
90) Benzo(a)pyrene	15.40	252	226020	9.380	ng	100
92) Benzo(g,h,i)perylene	17.34	276	117202	5.373	ng	99

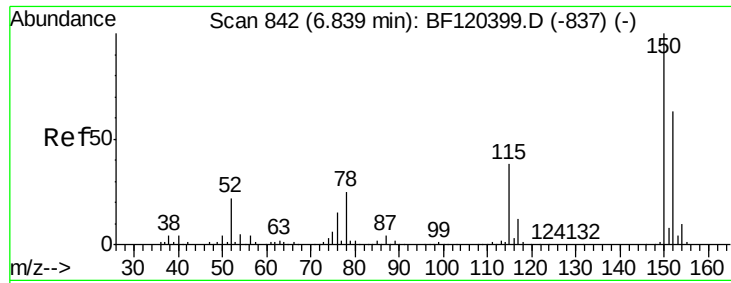
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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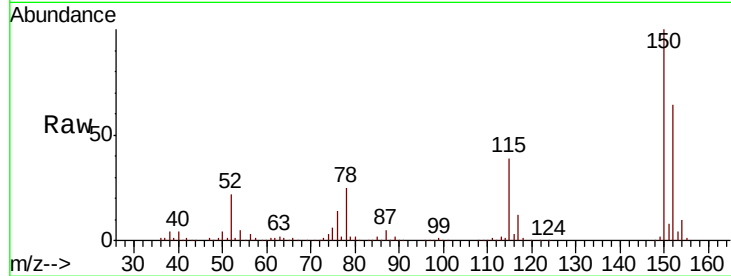


#1

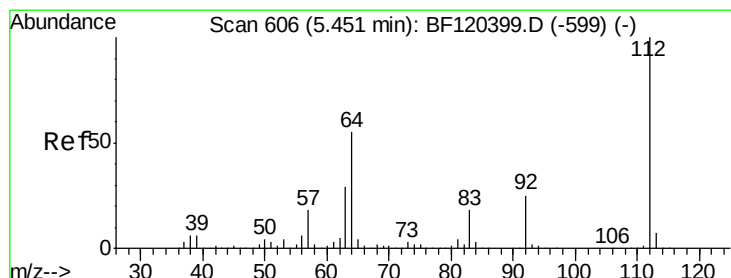
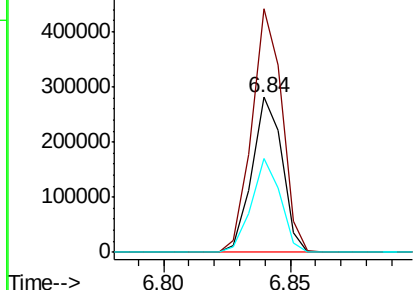
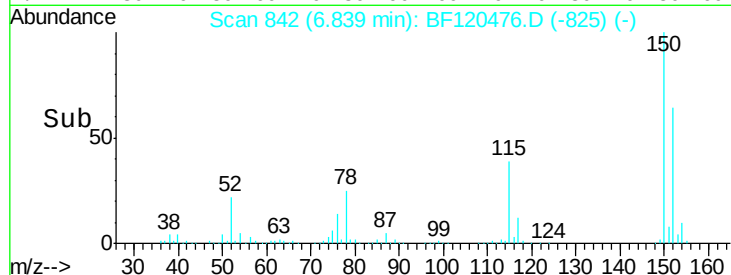
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. -0.00 min
Lab File: BF120476.D
Acq: 1 Jun 2020 17:34

Instrument :
BNA_F
ClientSampleId :
NM16-COMP-2020-0-6

Tot Ion:152 Resp: 235055
Ion Ratio Lower Upper
152 100
150 156.8 126.5 189.7
115 60.6 47.6 71.4



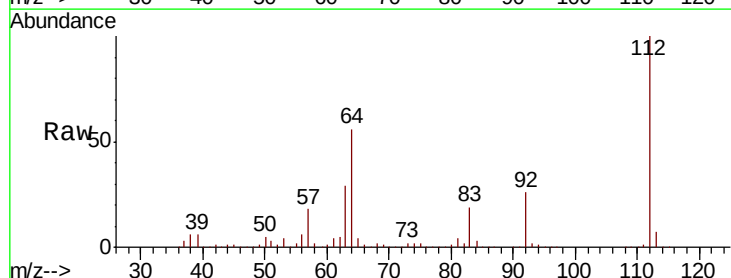
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



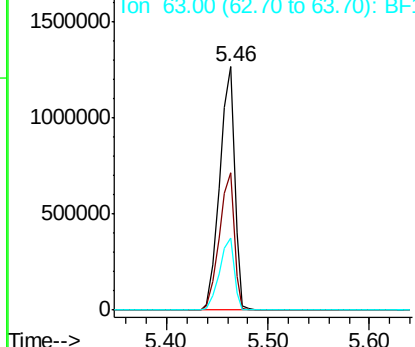
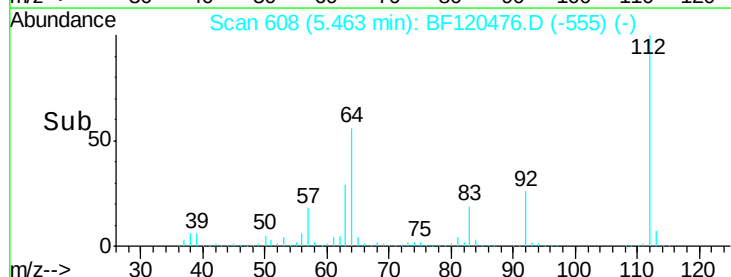
#5

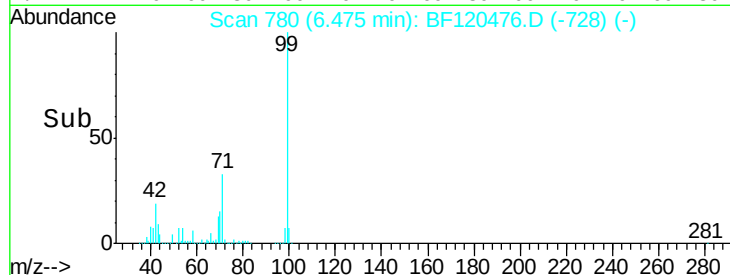
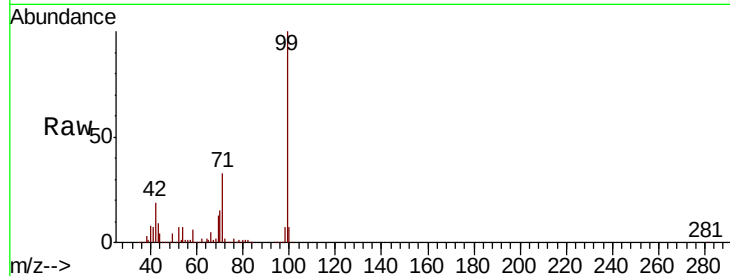
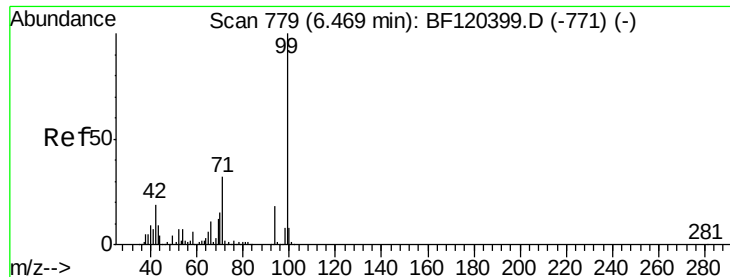
2-Fluorophenol
Concen: 105.096 ng
RT: 5.46 min Scan# 608
Delta R.T. 0.01 min
Lab File: BF120476.D
Acq: 1 Jun 2020 17:34

Tgt Ion:112 Resp: 1296253
Ion Ratio Lower Upper
112 100
64 56.4 44.3 66.5
63 29.4 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: 108.343 ng

RT: 6.47 min Scan# 780

Delta R.T. 0.01 min

Lab File: BF120476.D

Acq: 1 Jun 2020 17:34

Instrument :

BNA_F

ClientSampleId :

NM16-COMP-2020-0-6

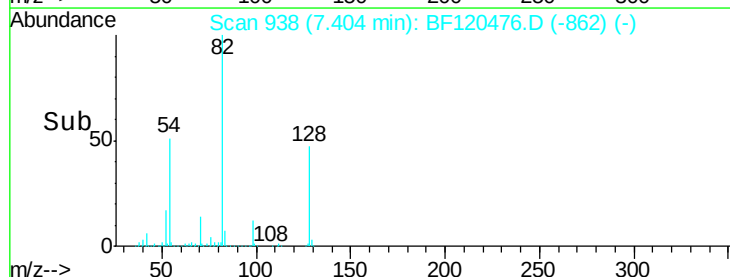
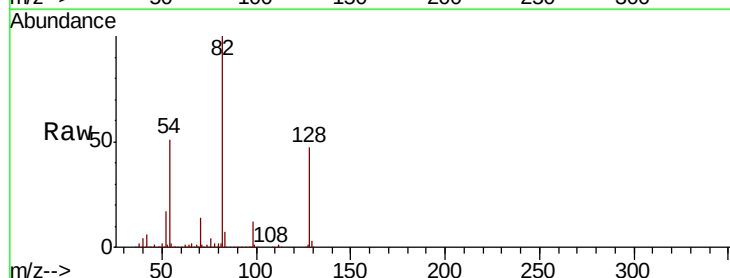
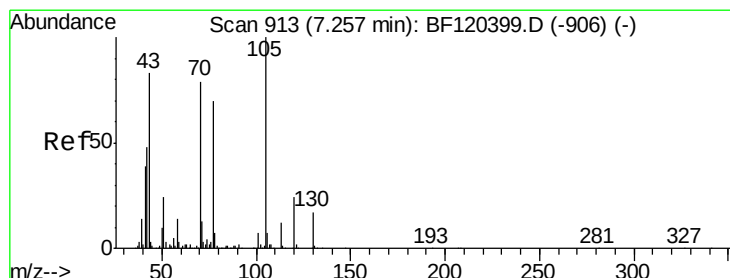
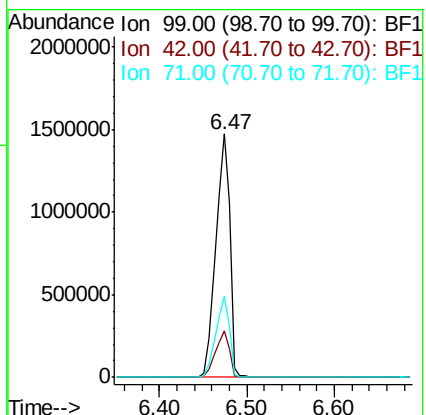
Tot Ion: 99 Resp: 1647086

Ion Ratio Lower Upper

99 100

42 18.9 15.2 22.8

71 33.4 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 15.223 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.15 min

Lab File: BF120476.D

Acq: 1 Jun 2020 17:34

Tgt Ion: 70 Resp: 147115

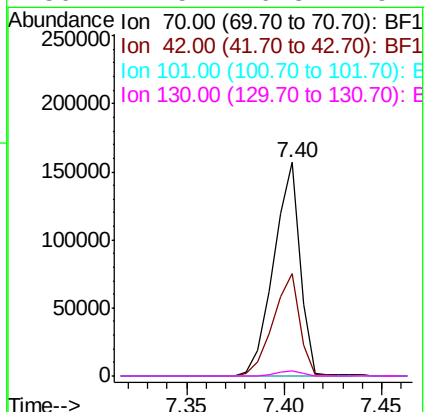
Ion Ratio Lower Upper

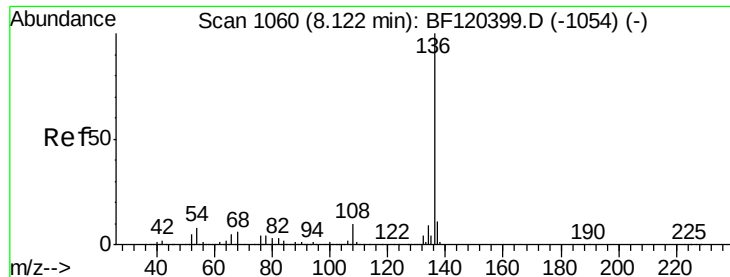
70 100

42 47.8 48.9 73.3#

101 0.0 7.4 11.2#

130 2.5 16.8 25.2#

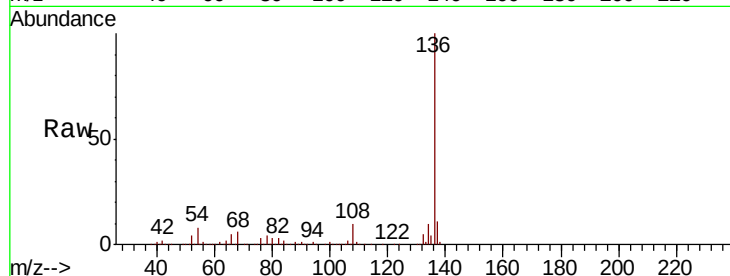




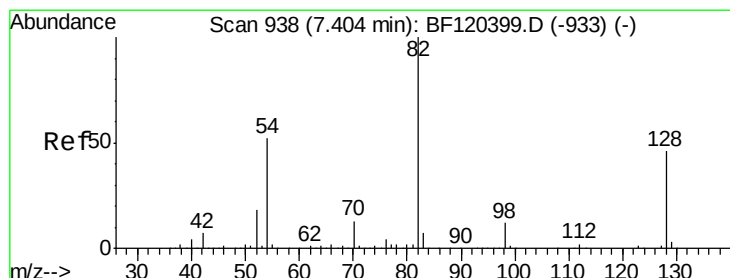
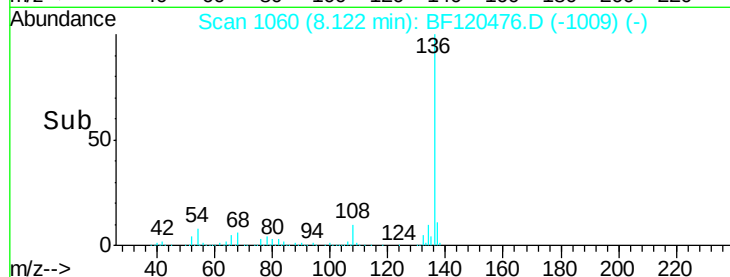
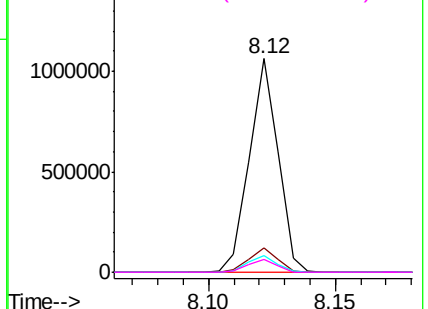
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1060
Delta R.T. -0.00 min
Lab File: BF120476.D
Acq: 1 Jun 2020 17:34

Instrument :
BNA_F
ClientSampleId :
NM16-COMP-2020-0-6

Tot Ion:136	Resp:	841654
Ion Ratio	Lower	Upper
136 100		
137 11.2	9.1	13.7
54 7.8	6.7	10.1
68 6.2	5.0	7.4

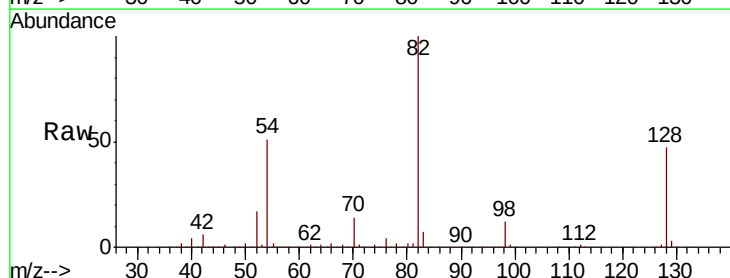


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

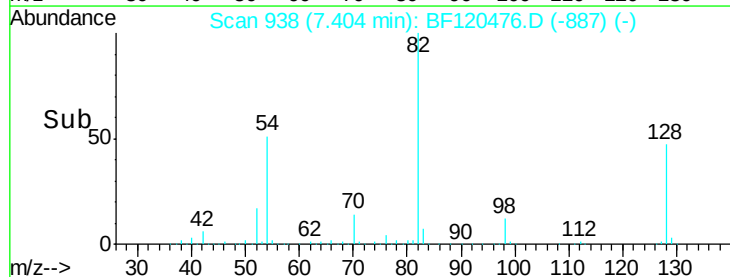
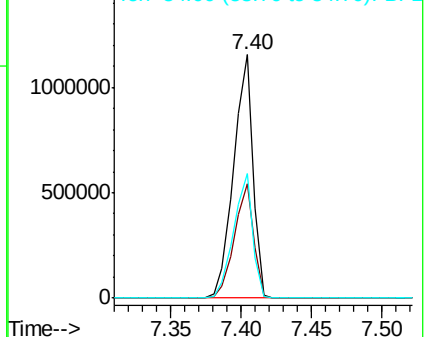


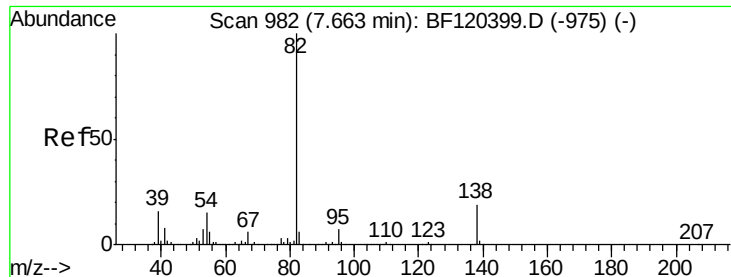
#23
Nitrobenzene-d5
Concen: 85.357 ng
RT: 7.40 min Scan# 938
Delta R.T. -0.00 min
Lab File: BF120476.D
Acq: 1 Jun 2020 17:34

Tgt Ion: 82	Resp: 1098272
Ion Ratio	Lower Upper
82 100	
128 46.8	36.8 55.2
54 51.0	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





#25

Isophorone

Concen: 42.312 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.26 min

Lab File: BF120476.D

Acq: 1 Jun 2020 17:34

Instrument :

BNA_F

ClientSampleId :

NM16-COMP-2020-0-6

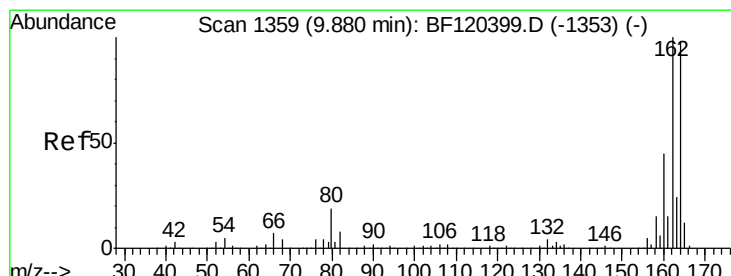
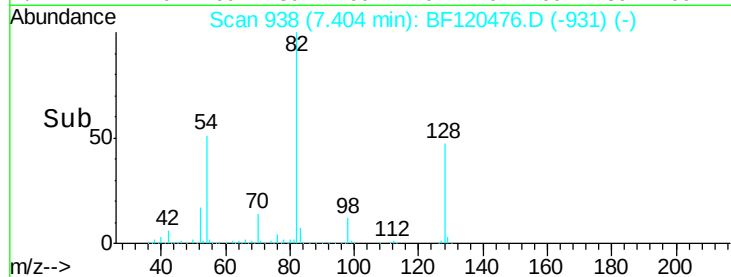
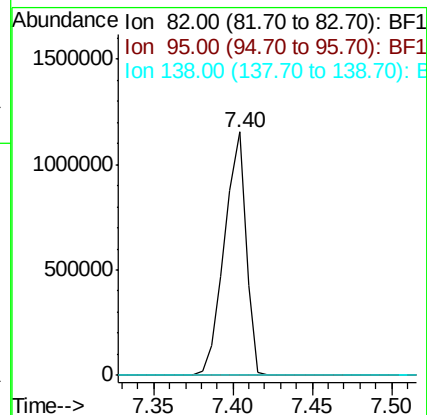
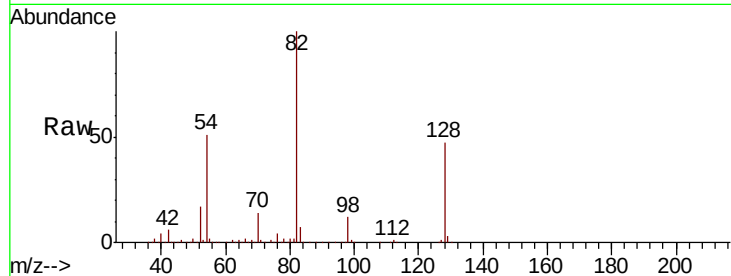
Tot Ion: 82 Resp: 1094208

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 15.0 22.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1358

Delta R.T. -0.00 min

Lab File: BF120476.D

Acq: 1 Jun 2020 17:34

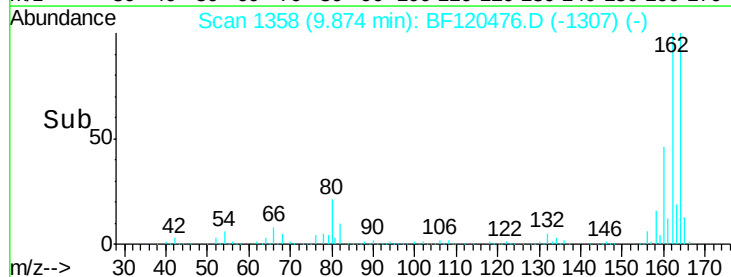
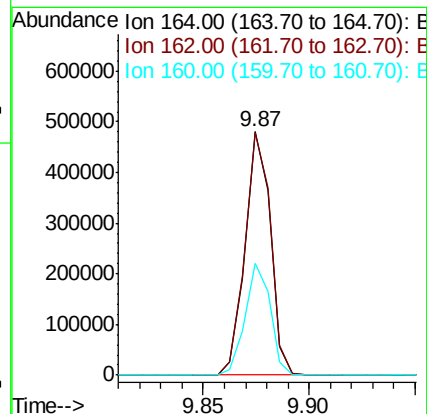
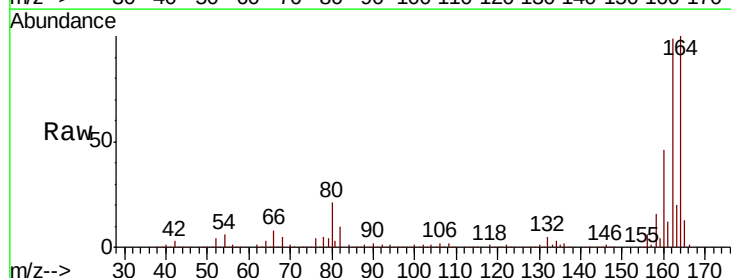
Tgt Ion:164 Resp: 396794

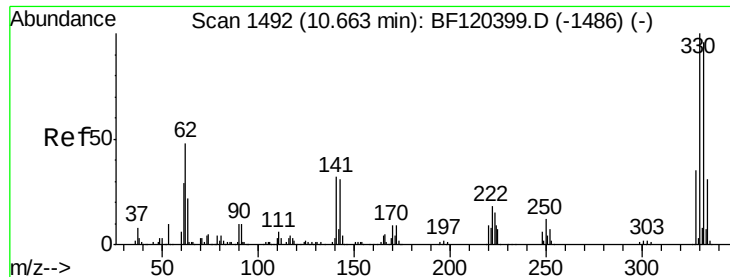
Ion Ratio Lower Upper

164 100

162 99.3 81.3 121.9

160 45.7 36.9 55.3

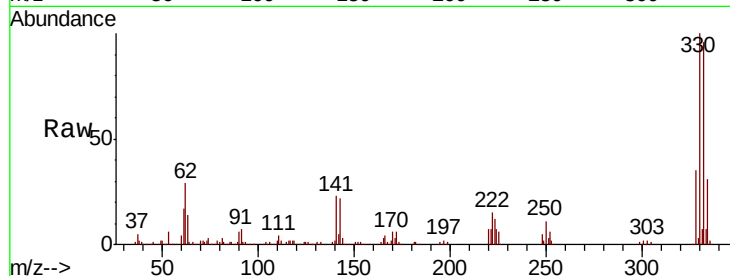




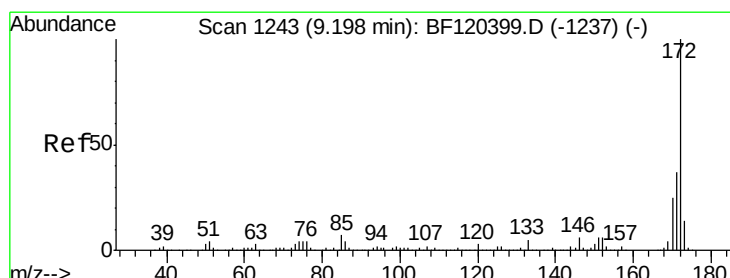
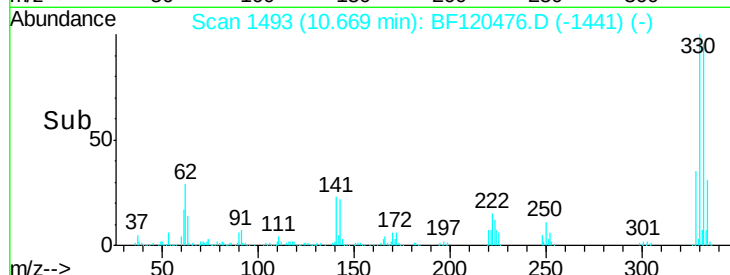
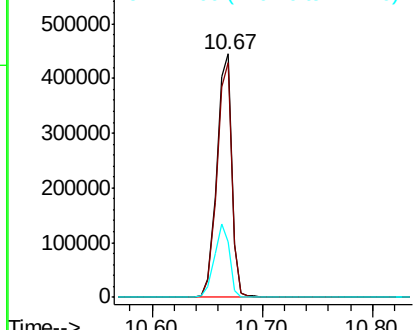
#42
 2,4,6-Tribromophenol
 Concen: 113.974 ng
 RT: 10.67 min Scan# 1493
 Delta R.T. 0.01 min
 Lab File: BF120476.D
 Acq: 1 Jun 2020 17:34

Instrument :
 BNA_F
 ClientSampleId :
 NM16-COMP-2020-0-6

Tot Ion:330 Resp: 419022
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.0 115.6
 141 30.0 25.3 37.9

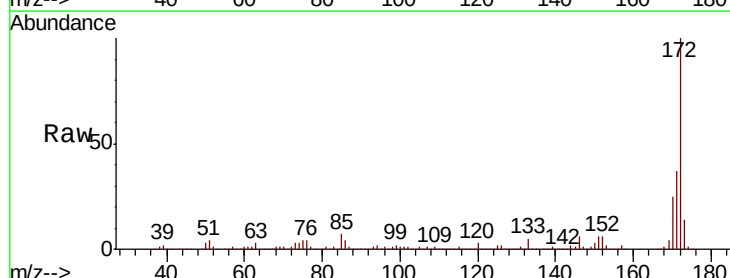


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

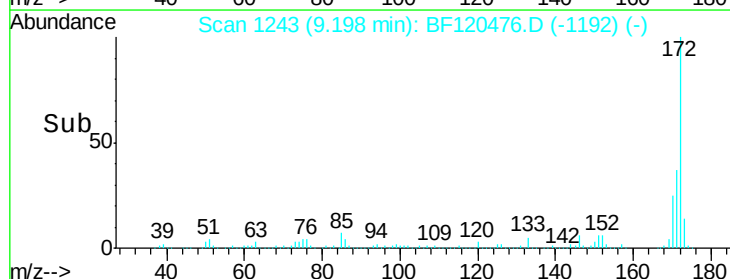
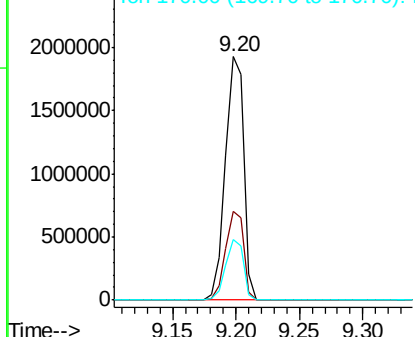


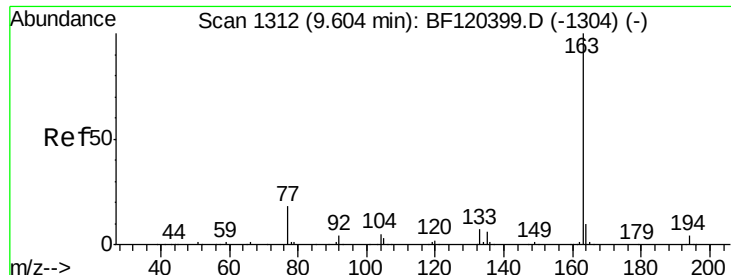
#45
 2-Fluorobiphenyl
 Concen: 82.489 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: BF120476.D
 Acq: 1 Jun 2020 17:34

Tgt Ion:172 Resp: 1929117
 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

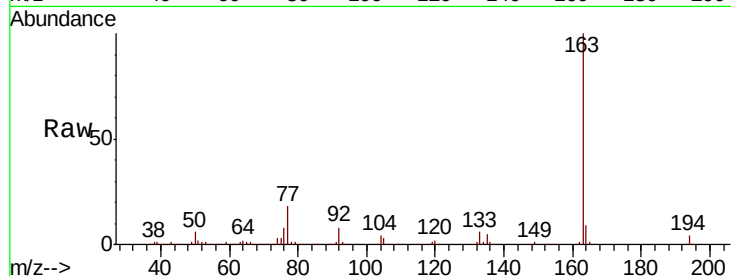




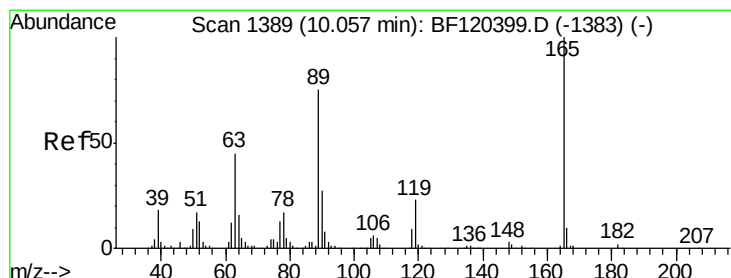
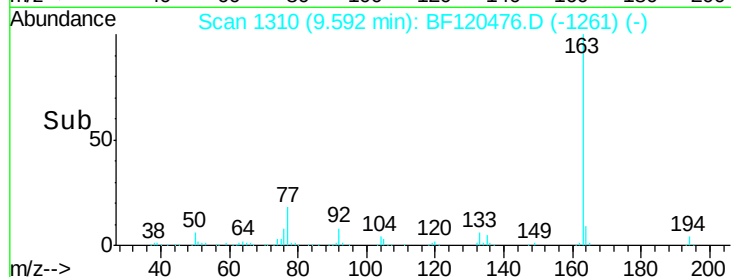
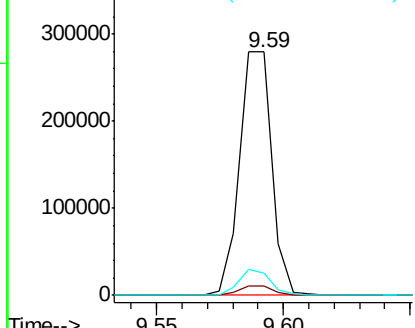
#50
Dimethylphthalate
Concen: 9.935 ng
RT: 9.59 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF120476.D
Acq: 1 Jun 2020 17:34

Instrument :
BNA_F
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NM16-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	9.3	8.3	12.5

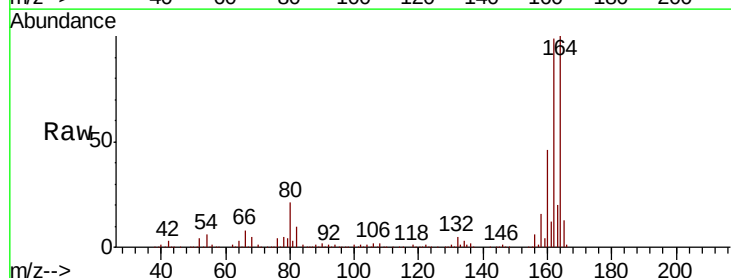


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

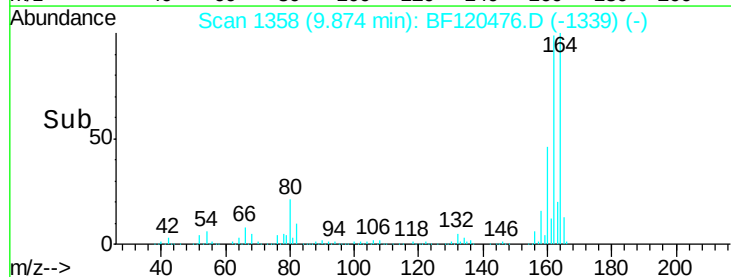
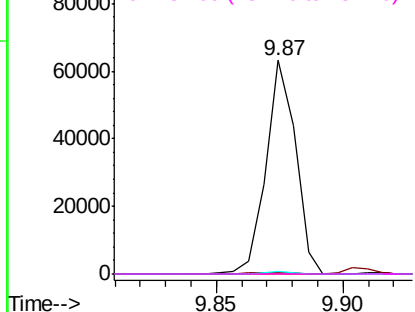


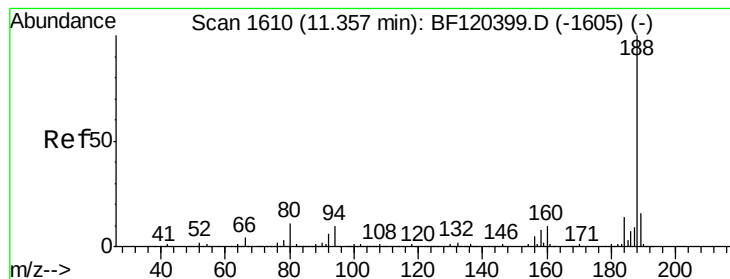
#57
2,4-Dinitrotoluene
Concen: 7.251 ng
RT: 9.87 min Scan# 1358
Delta R.T. -0.19 min
Lab File: BF120476.D
Acq: 1 Jun 2020 17:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.8	35.9	53.9#
89	1.4	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: BF120476.D

Acq: 1 Jun 2020 17:34

Instrument :

BNA_F

ClientSampleId :

NM16-COMP-2020-0-6

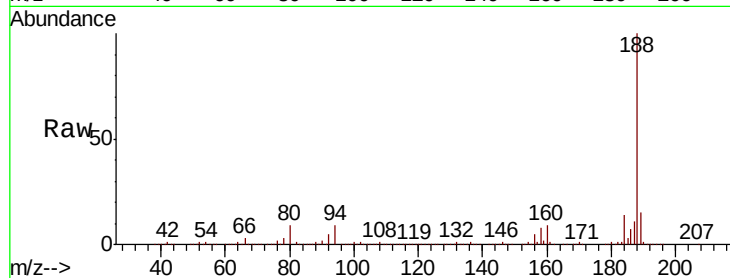
Tot Ion:188 Resp: 662347

Ion Ratio Lower Upper

188 100

94 8.9 7.9 11.9

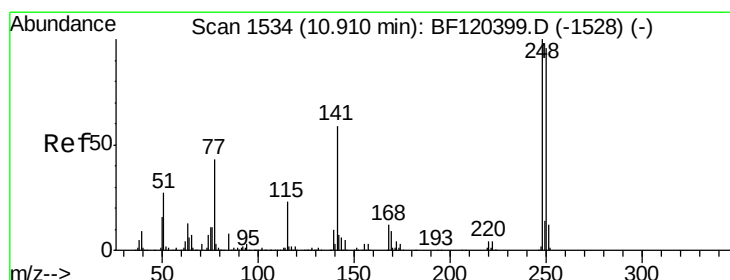
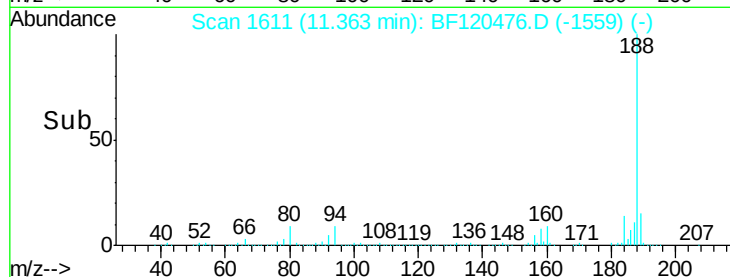
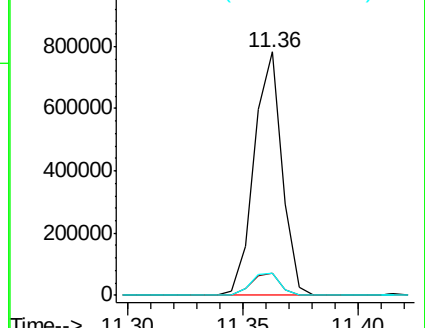
80 9.3 8.6 13.0



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: 3.755 ng

RT: 10.66 min Scan# 1492

Delta R.T. -0.25 min

Lab File: BF120476.D

Acq: 1 Jun 2020 17:34

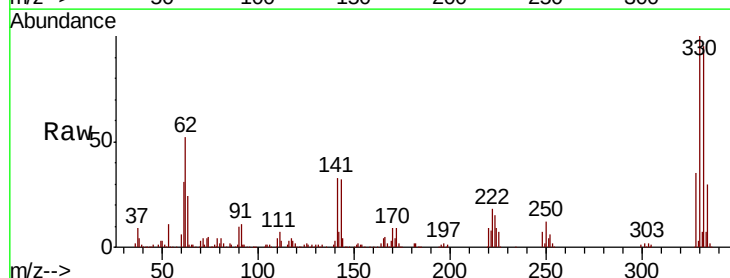
Tgt Ion:248 Resp: 25108

Ion Ratio Lower Upper

248 100

250 190.3 76.5 114.7#

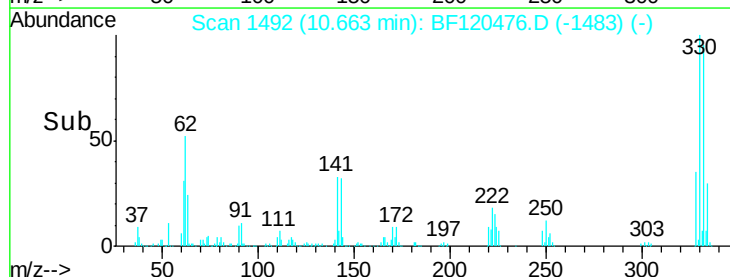
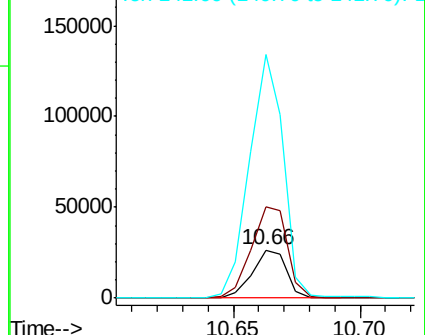
141 506.7 47.2 70.8#

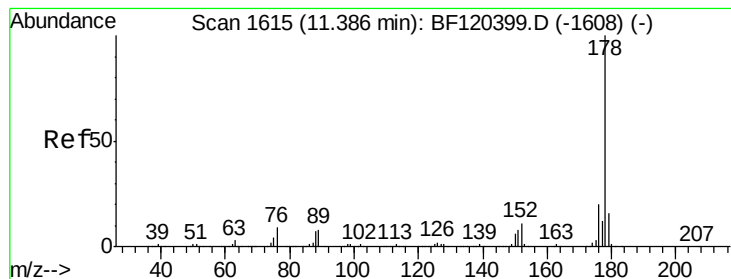


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 12.156 ng

RT: 11.39 min Scan# 1615

Delta R.T. -0.00 min

Lab File: BF120476.D

Acq: 1 Jun 2020 17:34

Instrument :

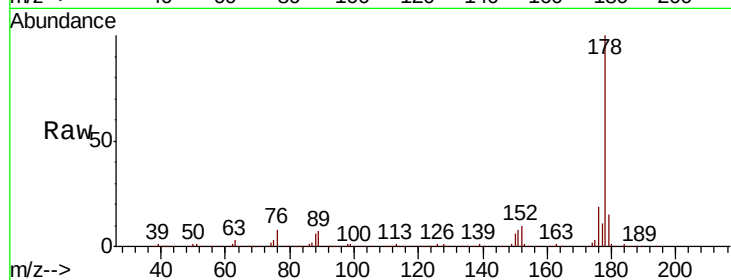
BNA_F

ClientSampleId :

NM16-COMP-2020-0-6

Tot Ion:178 Resp: 354772

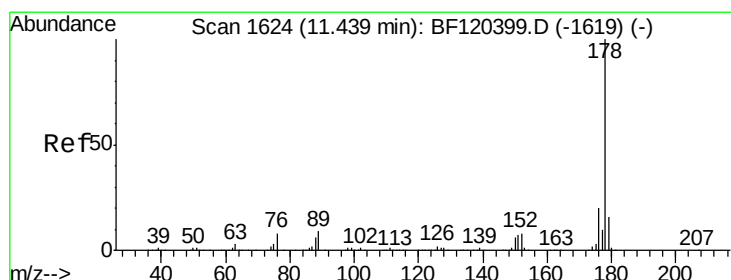
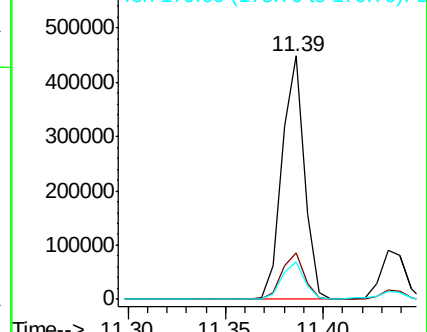
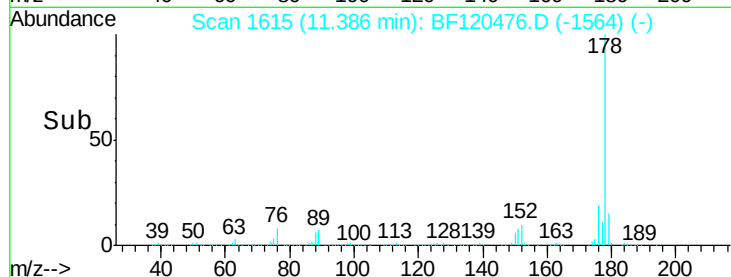
Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.4	24.6
179	15.2	13.0	19.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 2.668 ng

RT: 11.43 min Scan# 1623

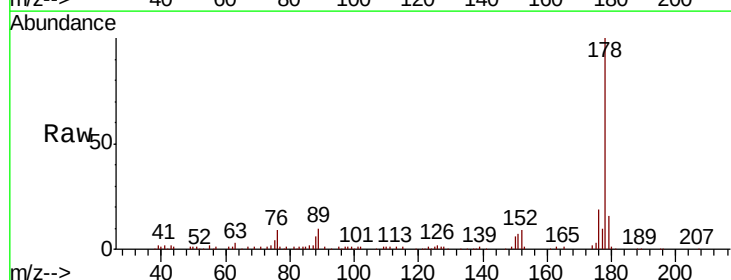
Delta R.T. -0.01 min

Lab File: BF120476.D

Acq: 1 Jun 2020 17:34

Tgt Ion:178 Resp: 78121

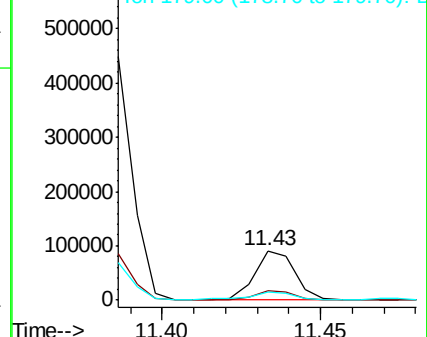
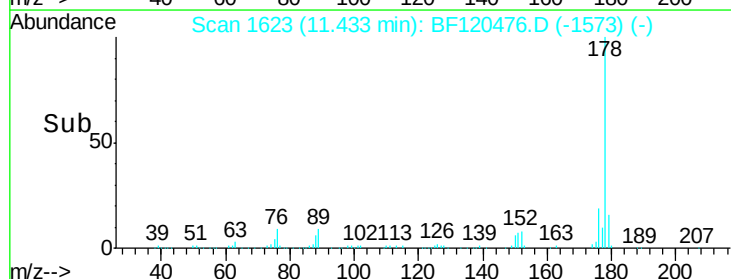
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.6
179	15.7	12.8	19.2

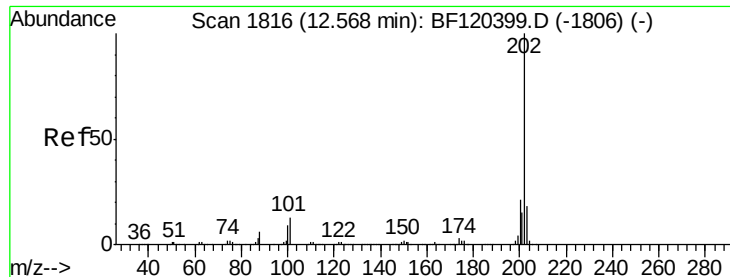


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

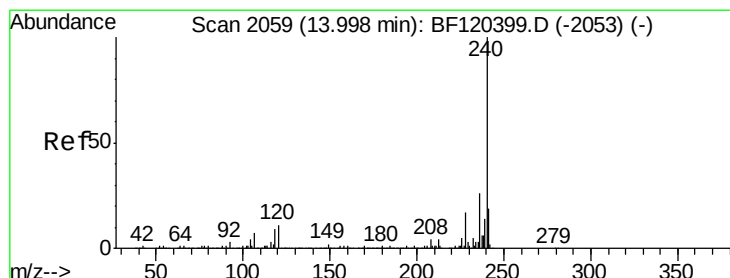
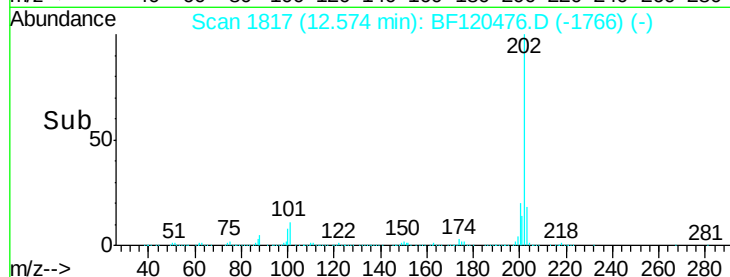
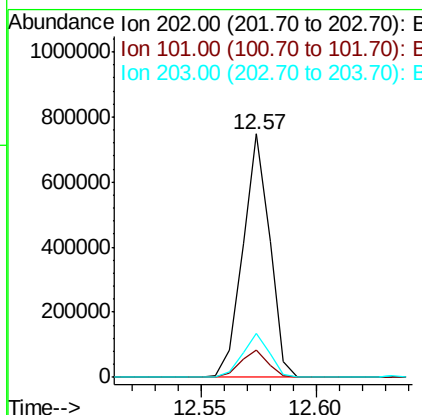
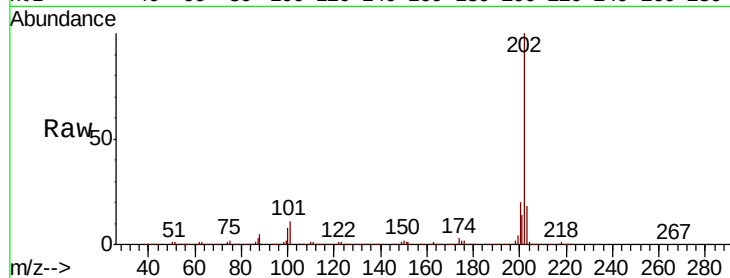




#75
Fluoranthene
Concen: 19.265 ng
RT: 12.57 min Scan# 1817
Delta R.T. -0.00 min
Lab File: BF120476.D
Acq: 1 Jun 2020 17:34

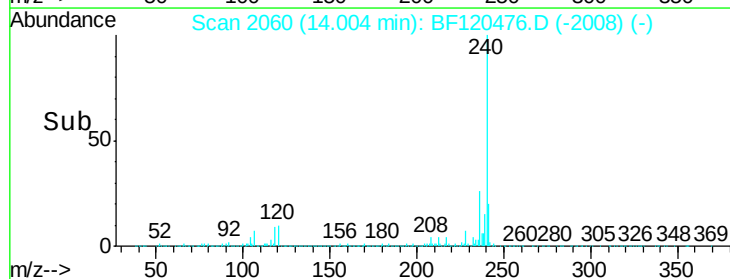
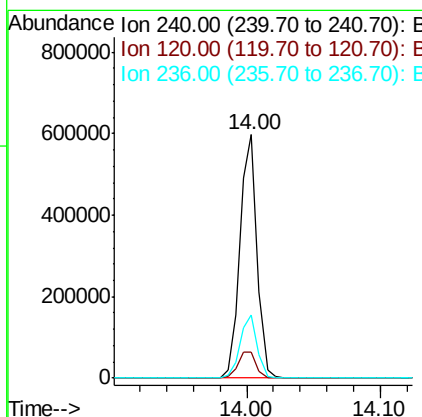
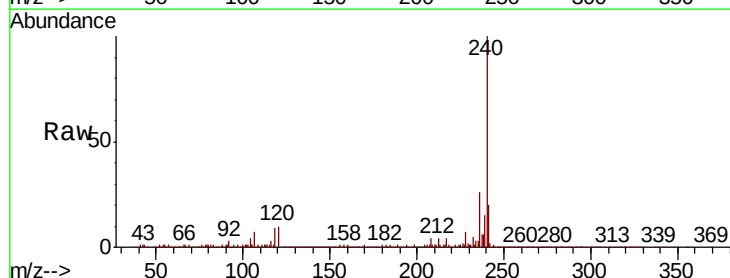
Instrument :
BNA_F
ClientSampleId :
NM16-COMP-2020-0-6

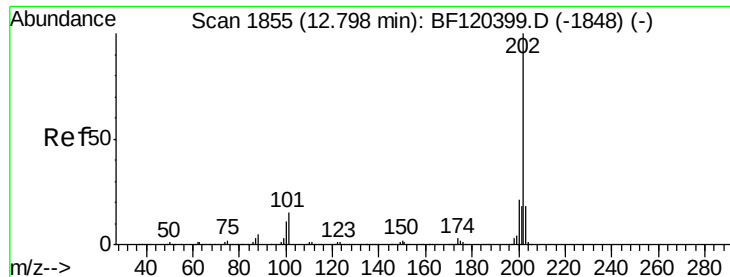
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	32.6
203	17.9	0.0	38.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2060
Delta R.T. 0.01 min
Lab File: BF120476.D
Acq: 1 Jun 2020 17:34

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.8	13.2
236	26.2	21.0	31.4

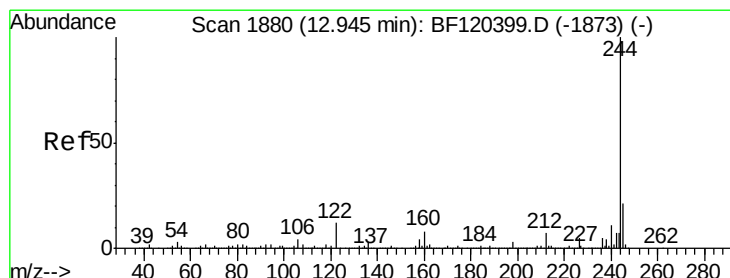
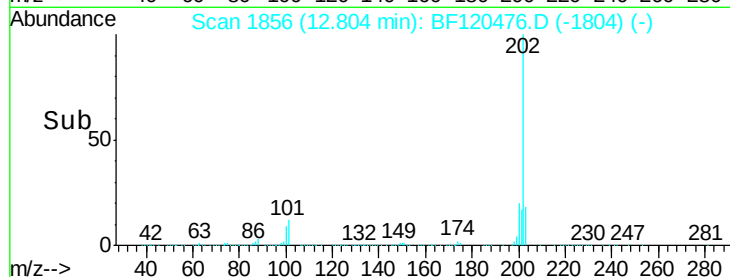
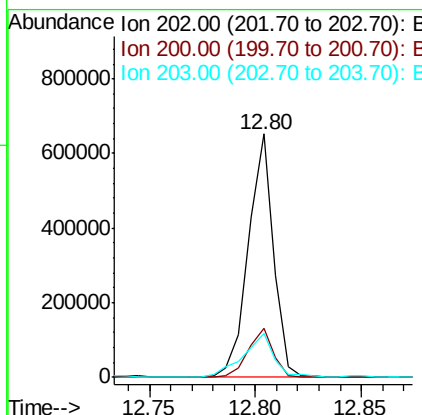
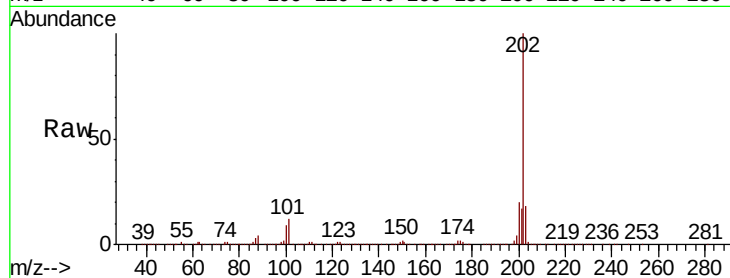




#78
Pvrene
Concen: 14.672 ng
RT: 12.80 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BF120476.D
Acq: 1 Jun 2020 17:34

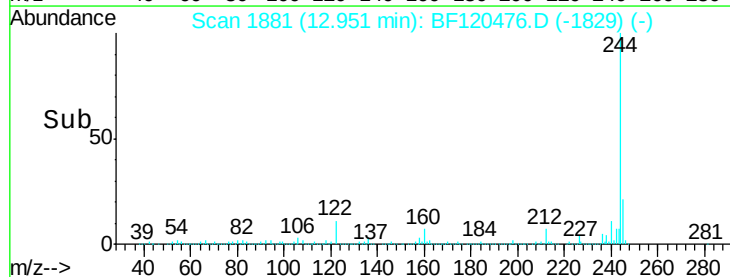
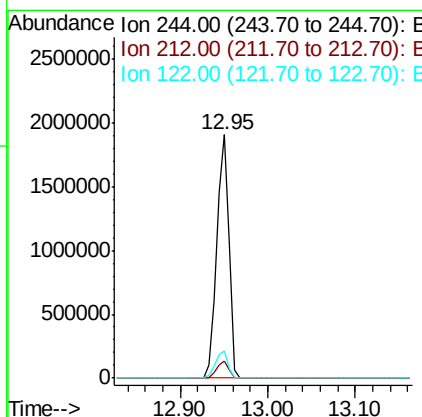
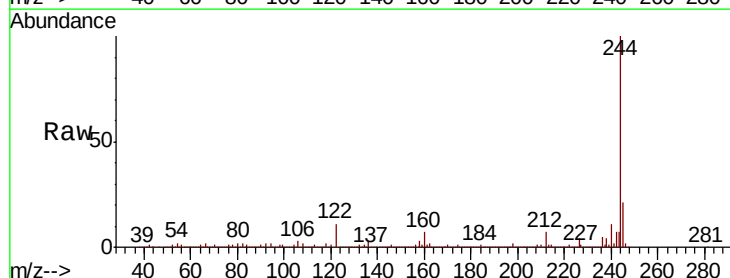
Instrument :
BNA_F
ClientSampleId :
NM16-COMP-2020-0-6

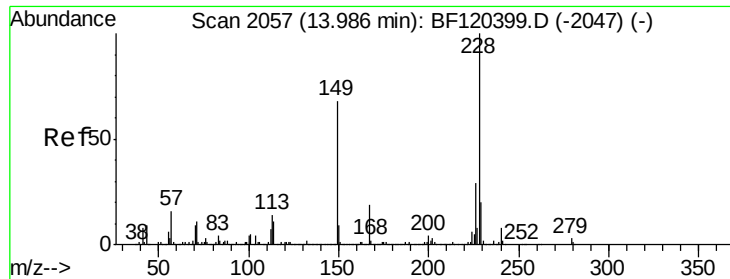
Tot Ion:202 Resp: 542146
Ion Ratio Lower Upper
202 100
200 20.3 17.0 25.4
203 18.0 14.7 22.1



#79
Terphenyl-d14
Concen: 77.098 ng
RT: 12.95 min Scan# 1881
Delta R.T. 0.01 min
Lab File: BF120476.D
Acq: 1 Jun 2020 17:34

Tgt Ion:244 Resp: 1840863
Ion Ratio Lower Upper
244 100
212 6.9 5.9 8.9
122 11.0 9.2 13.8

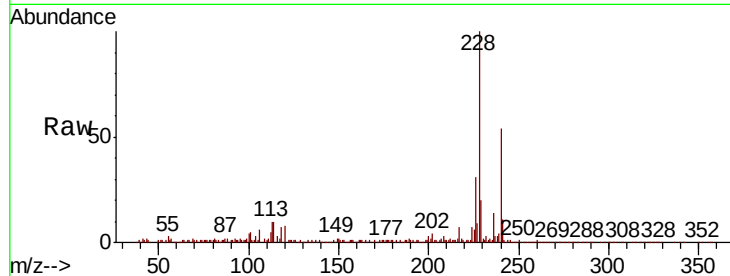




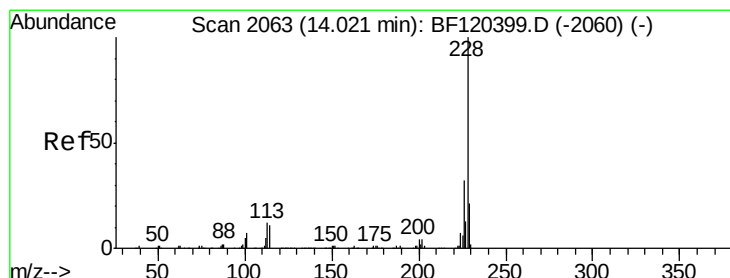
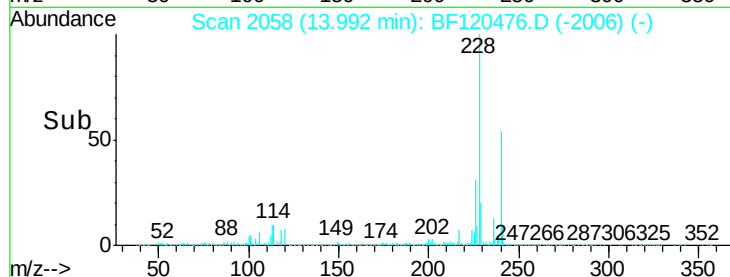
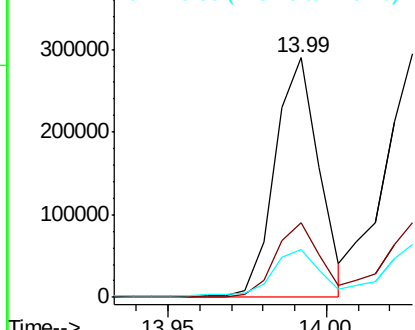
#81
Benzo(a)anthracene
Concen: 9.763 ng
RT: 13.99 min Scan# 2058
Delta R.T. 0.01 min
Lab File: BF120476.D
Acq: 1 Jun 2020 17:34

Instrument :
BNA_F
ClientSampleId :
NM16-COMP-2020-0-6

Tot Ion:228 Resp: 278009
Ion Ratio Lower Upper
228 100
226 31.2 23.0 34.4
229 20.2 16.2 24.4

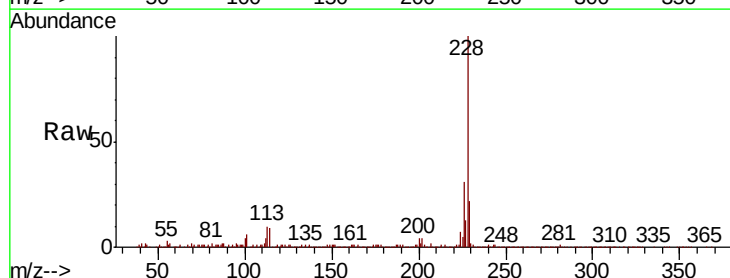


Abundance Ion 228.00 (227.70 to 228.70): E
400000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

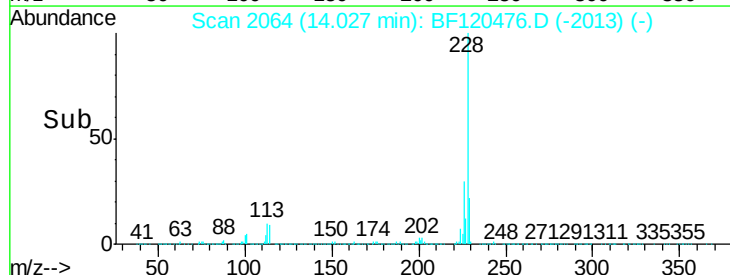
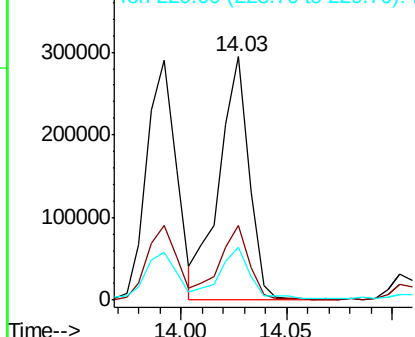


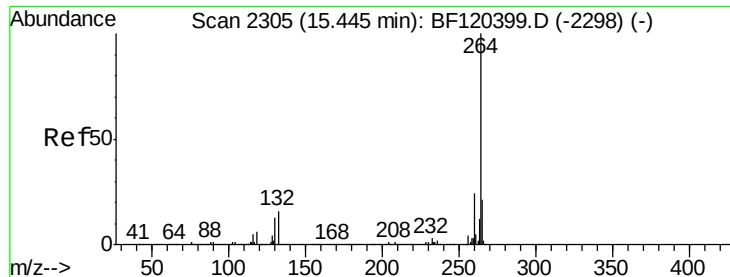
#83
Chrysene
Concen: 9.575 ng
RT: 14.03 min Scan# 2064
Delta R.T. -0.00 min
Lab File: BF120476.D
Acq: 1 Jun 2020 17:34

Tgt Ion:228 Resp: 285855
Ion Ratio Lower Upper
228 100
226 30.7 25.6 38.4
229 22.0 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E
400000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

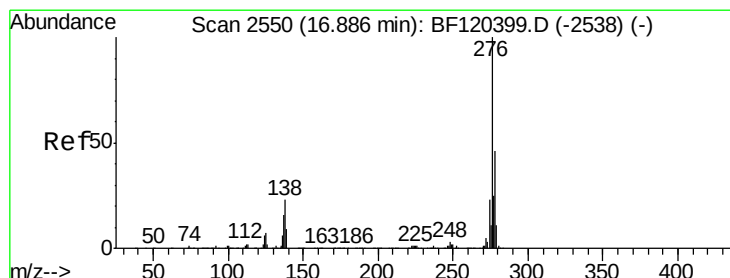
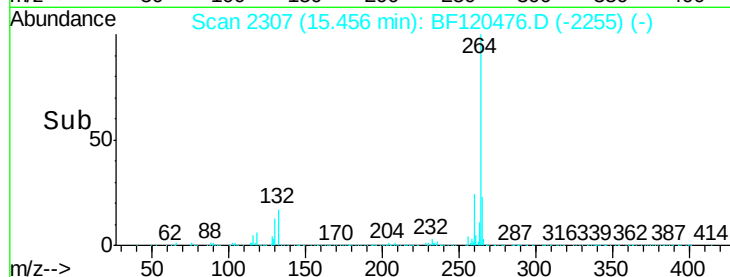
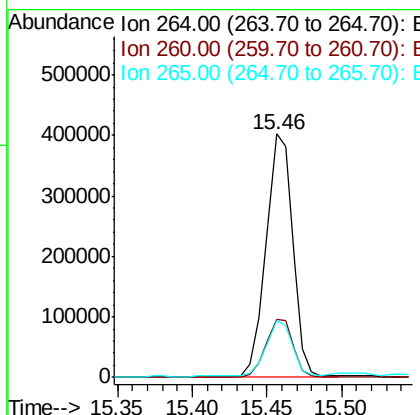
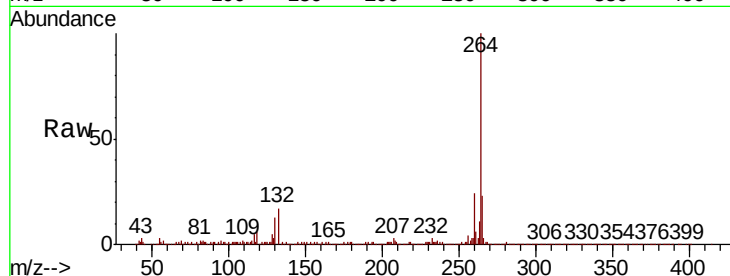




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2307
Delta R.T. 0.01 min
Lab File: BF120476.D
Acq: 1 Jun 2020 17:34

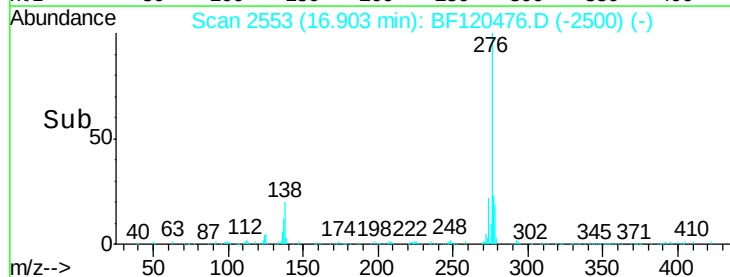
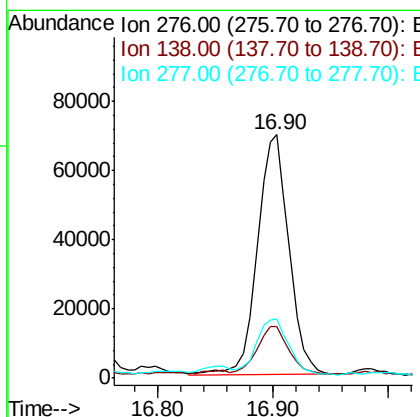
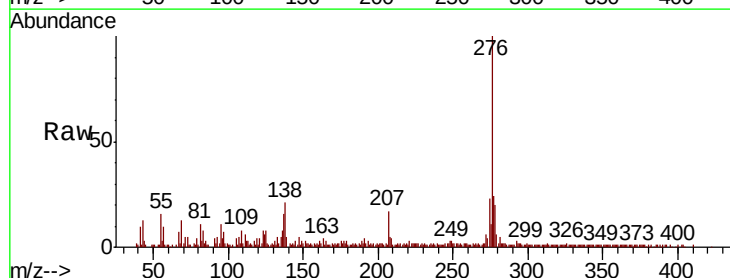
Instrument :
BNA_F
ClientSampleId :
NM16-COMP-2020-0-6

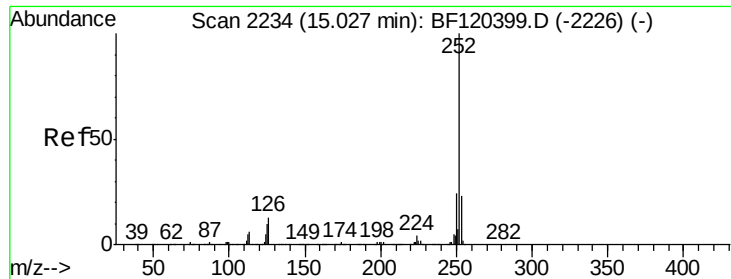
Tot Ion:264 Resp: 495983
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 23.2 16.9 25.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.830 ng
RT: 16.90 min Scan# 2553
Delta R.T. 0.01 min
Lab File: BF120476.D
Acq: 1 Jun 2020 17:34

Tgt Ion:276 Resp: 131028
Ion Ratio Lower Upper
276 100
138 20.2 20.4 30.6#
277 24.0 20.4 30.6

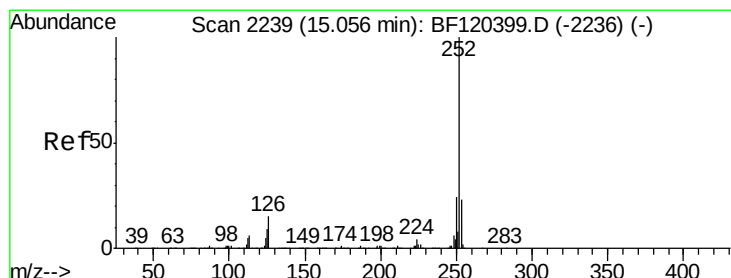
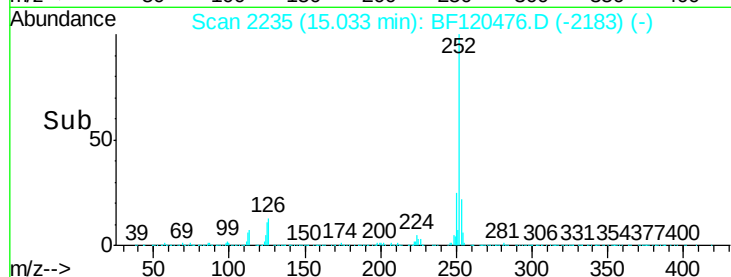
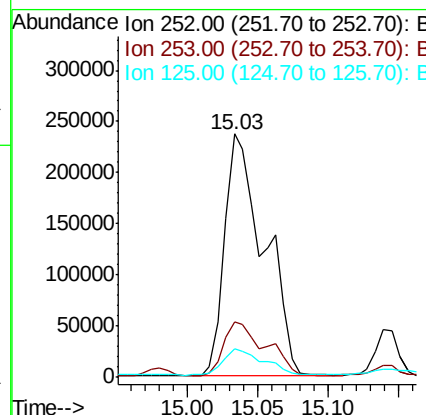
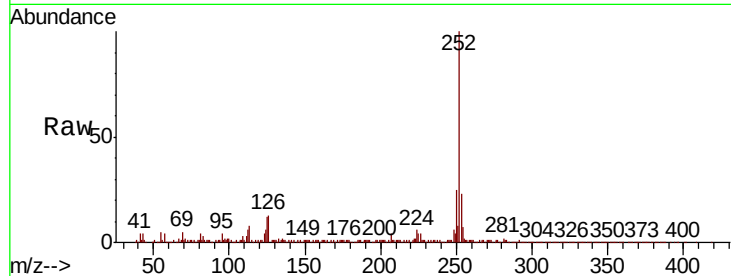




#88
Benzo(b)fluoranthene
Concen: 16.893 ng
RT: 15.03 min Scan# 2235
Delta R.T. 0.01 min
Lab File: BF120476.D
Acq: 1 Jun 2020 17:34

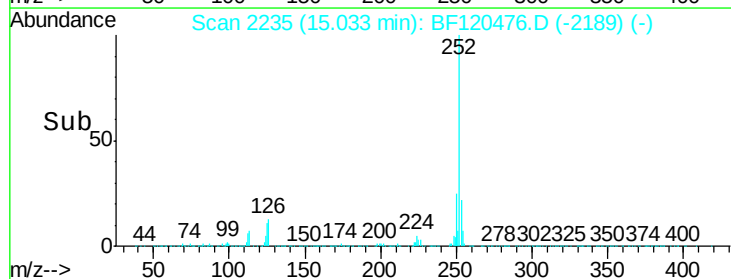
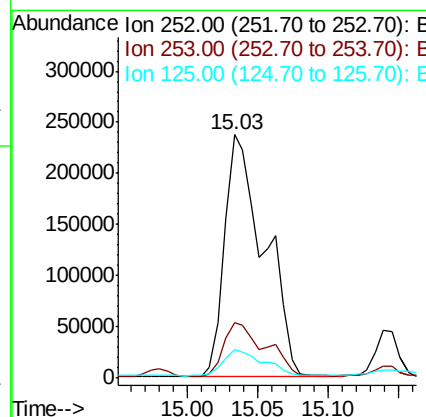
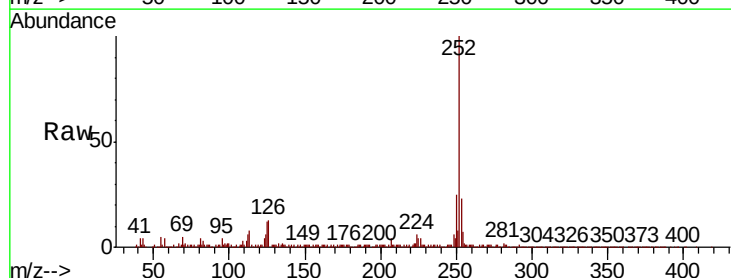
Instrument :
BNA_F
ClientSampleId :
NM16-COMP-2020-0-6

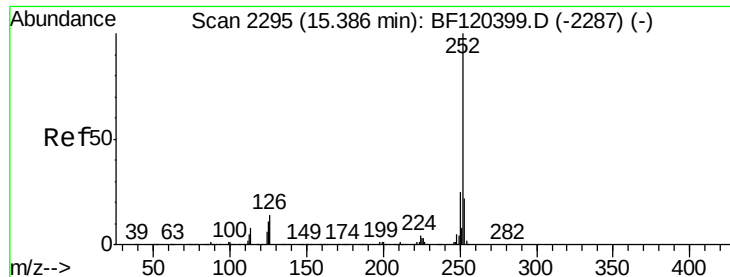
Tot Ion:252 Resp: 465372
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 11.8 7.8 11.8#



#89
Benzo(k)fluoranthene
Concen: 18.095 ng
RT: 15.03 min Scan# 2235
Delta R.T. -0.03 min
Lab File: BF120476.D
Acq: 1 Jun 2020 17:34

Tgt Ion:252 Resp: 465372
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: 9.380 ng

RT: 15.40 min Scan# 2297

Delta R.T. 0.01 min

Lab File: BF120476.D

Acq: 1 Jun 2020 17:34

Instrument :

BNA_F

ClientSampleId :

NM16-COMP-2020-0-6

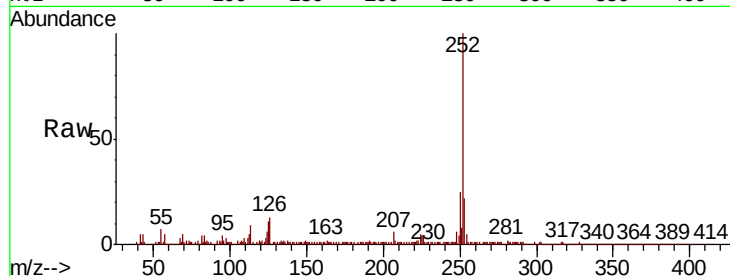
Tot Ion:252 Resp: 226020

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

125 11.0 8.7 13.1

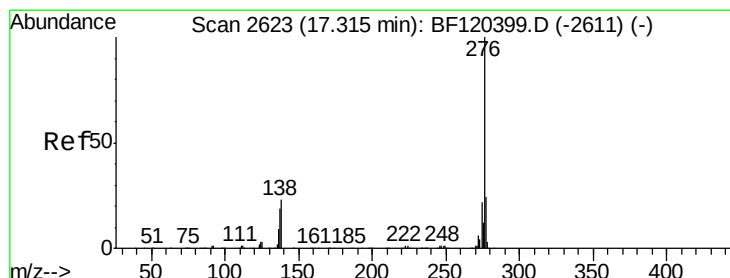
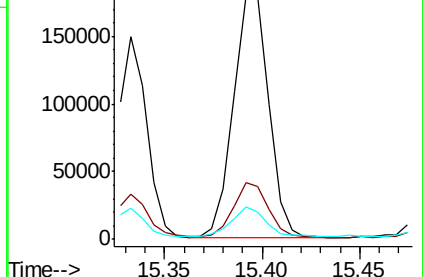
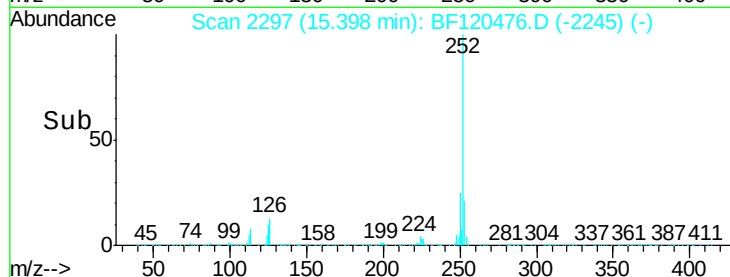


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

15.40



#92

Benzo(g,h,i)perylene

Concen: 5.373 ng

RT: 17.34 min Scan# 2627

Delta R.T. 0.01 min

Lab File: BF120476.D

Acq: 1 Jun 2020 17:34

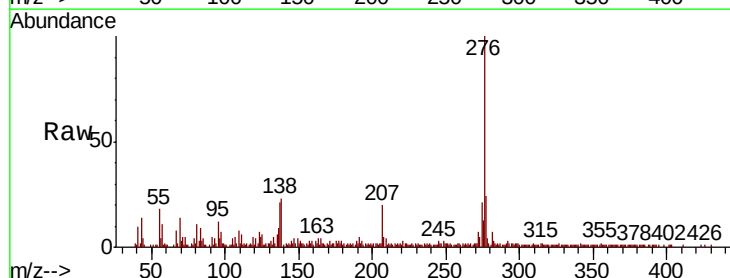
Tgt Ion:276 Resp: 117202

Ion Ratio Lower Upper

276 100

277 23.6 19.5 29.3

138 23.0 18.1 27.1



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

17.34

