

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
 Data File : BF120515.D
 Acq On : 3 Jun 2020 17:52
 Operator : JU/CG
 Sample : L2839-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM12-COMP-2020-0-6

Quant Time: Jun 03 18:51:54 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 03 14:26:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	186215	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	612916	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	333063	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	557487	20.00	ng	0.00
76) Chrysene-d12	14.00	240	405557	20.00	ng	-0.01
86) Perylene-d12	15.45	264	393646	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	664021	67.96	ng	0.00
7) Phenol-d6	6.47	99	900554	74.77	ng	0.00
23) Nitrobenzene-d5	7.39	82	644728	68.81	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	272565	88.32	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1219288	62.11	ng	0.00
79) Terphenyl-d14	12.94	244	979059	53.72	ng	0.00

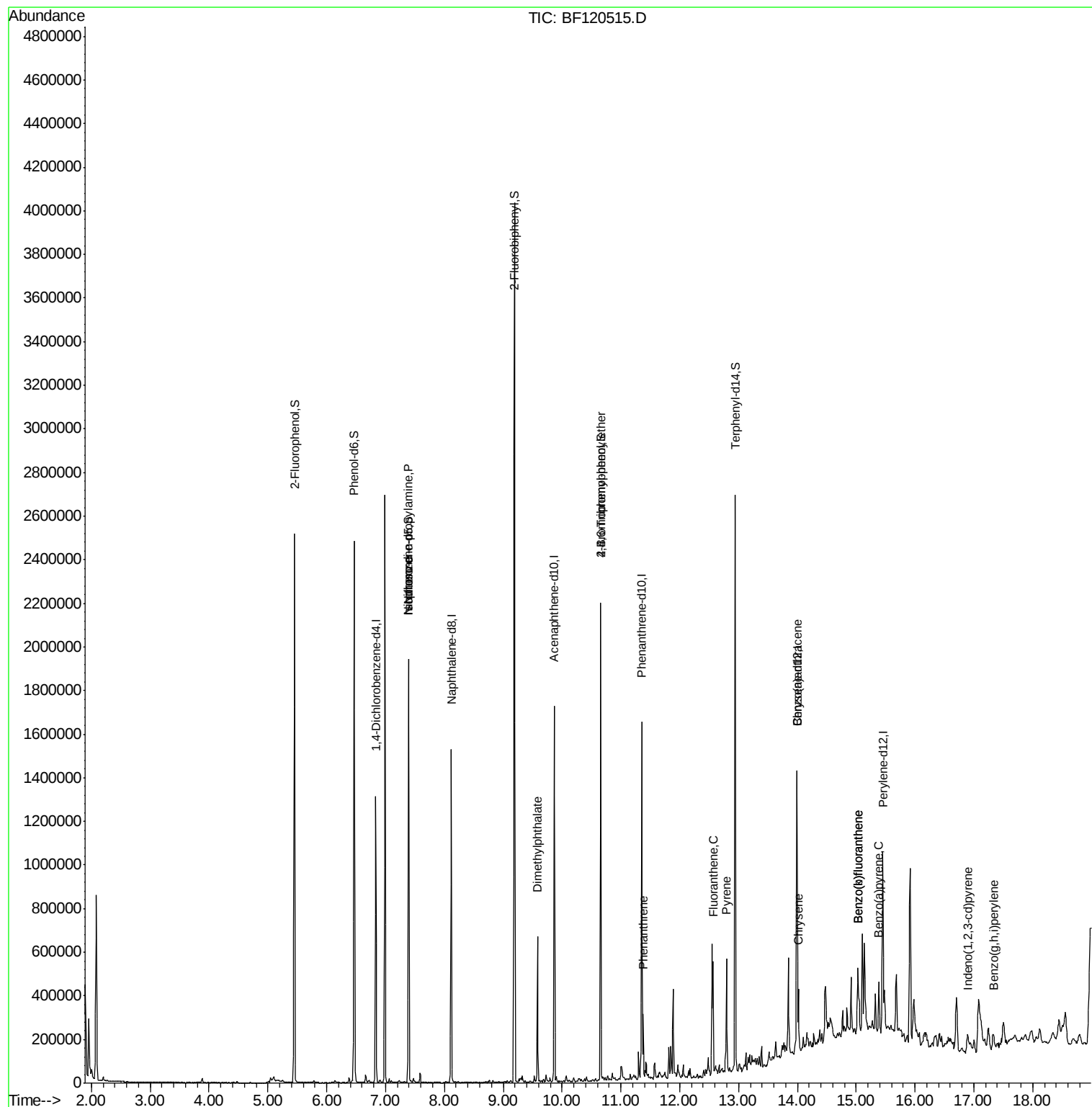
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	85478	11.165	ng	# 77
25) Isophorone	7.39	82	640588	34.015	ng	# 64
50) Dimethylphthalate	9.59	163	274904	13.202	ng	99
67) 4-Bromophenyl-phenylether	10.66	248	15758	2.800	ng	# 1
71) Phenanthrene	11.38	178	99812	4.063	ng	97
75) Fluoranthene	12.57	202	189571	7.172	ng	97
78) Pyrene	12.80	202	195800	6.942	ng	97
81) Benzo(a)anthracene	13.99	228	122423	5.632	ng	97
83) Chrysene	14.02	228	117316	5.148	ng	96
87) Indeno(1,2,3-cd)pyrene	16.89	276	49978	2.321	ng	# 92
88) Benzo(b)fluoranthene	15.03	252	212724	9.729	ng	99
89) Benzo(k)fluoranthene	15.03	252	212724	10.422	ng	98
90) Benzo(a)pyrene	15.39	252	110241	5.764	ng	99
92) Benzo(a,h,i)perylene	17.33	276	55297	3.194	ng	99

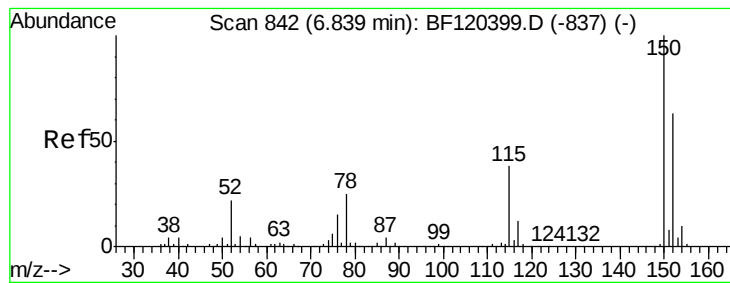
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.83 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF120515.D

Acq: 3 Jun 2020 17:52

Instrument :

BNA_F

ClientSampleId :

NM12-COMP-2020-0-6

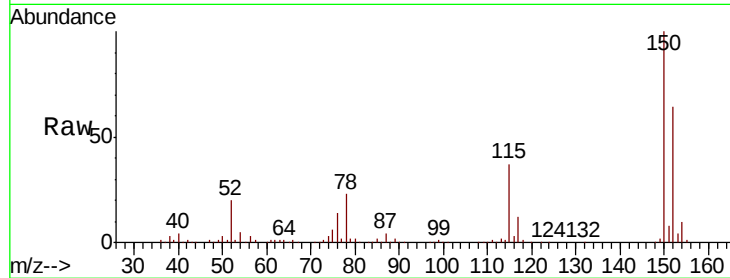
Tot Ion:152 Resp: 186215

Ion Ratio Lower Upper

152 100

150 155.7 127.1 190.7

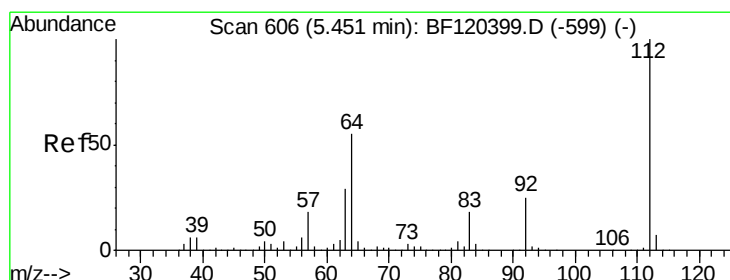
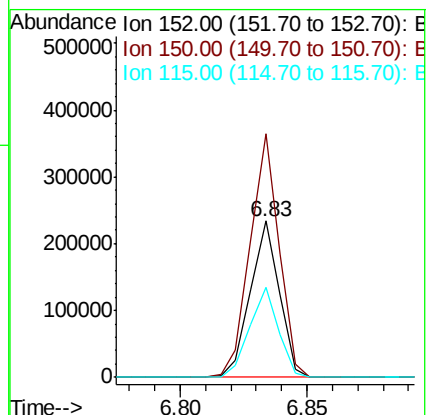
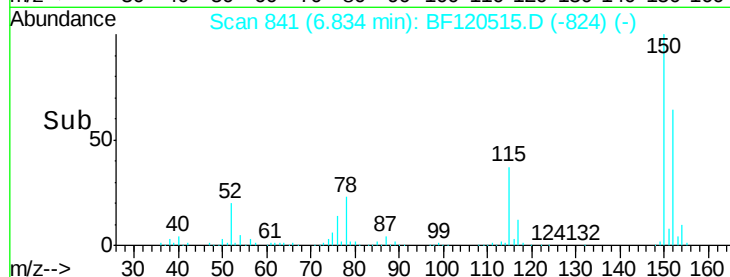
115 57.5 48.7 73.1



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: 67.957 ng

RT: 5.45 min Scan# 606

Delta R.T. 0.00 min

Lab File: BF120515.D

Acq: 3 Jun 2020 17:52

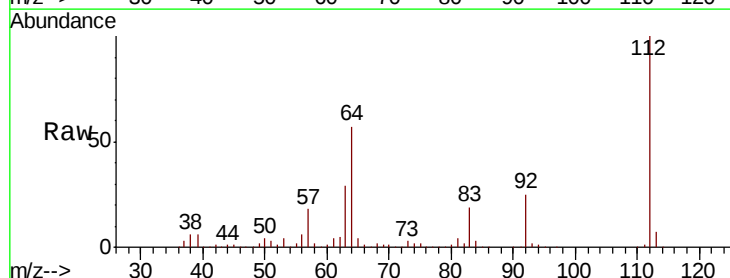
Tgt Ion:112 Resp: 664021

Ion Ratio Lower Upper

112 100

64 56.7 45.8 68.8

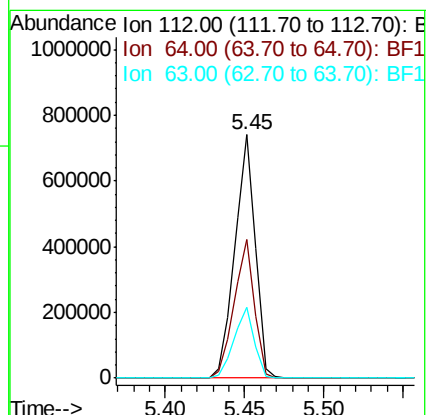
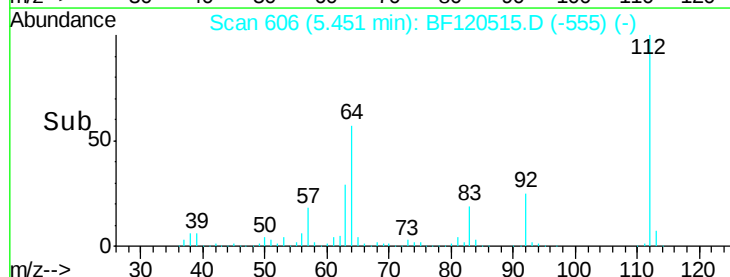
63 29.2 23.7 35.5



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: 74.774 ng

RT: 6.47 min Scan# 779

Delta R.T. -0.01 min

Lab File: BF120515.D

Acq: 3 Jun 2020 17:52

Instrument :

BNA_F

ClientSampleId :

NM12-COMP-2020-0-6

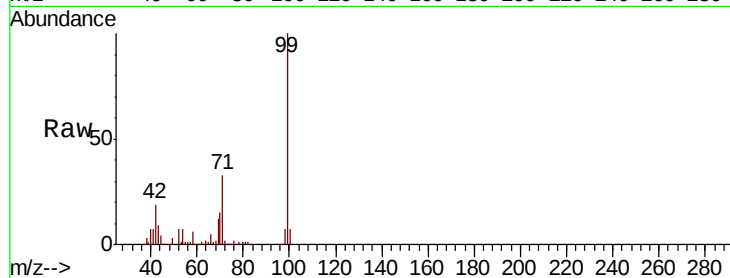
Tot Ion: 99 Resp: 900554

Ion Ratio Lower Upper

99 100

42 18.7 15.0 22.4

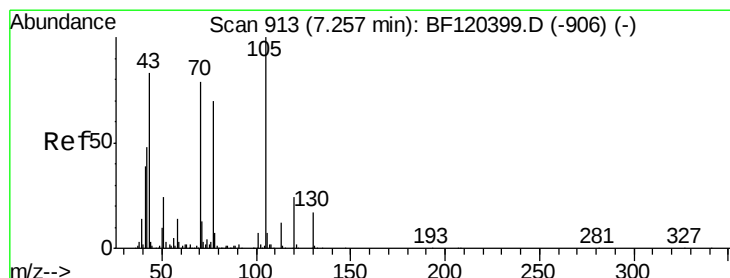
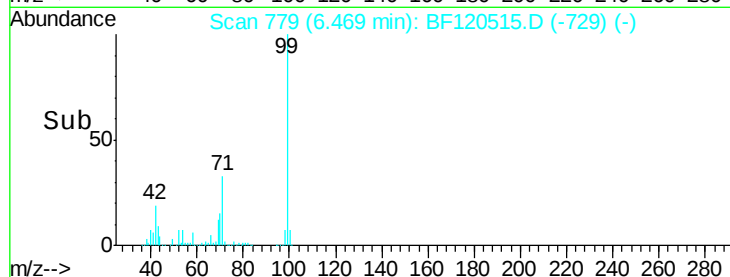
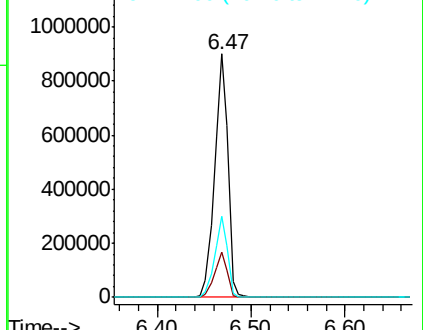
71 33.2 26.3 39.5



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: 11.165 ng

RT: 7.39 min Scan# 936

Delta R.T. 0.14 min

Lab File: BF120515.D

Acq: 3 Jun 2020 17:52

Tgt Ion: 70 Resp: 85478

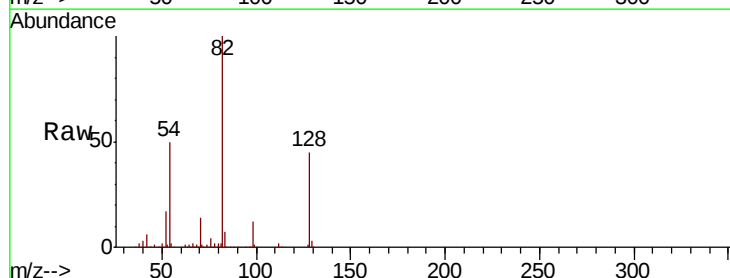
Ion Ratio Lower Upper

70 100

42 47.6 47.6 71.4#

101 0.0 7.4 11.0#

130 2.4 17.1 25.7#

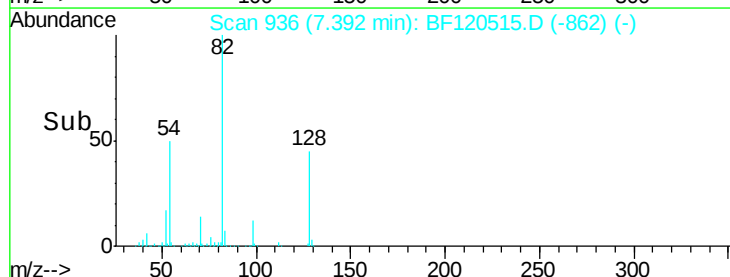
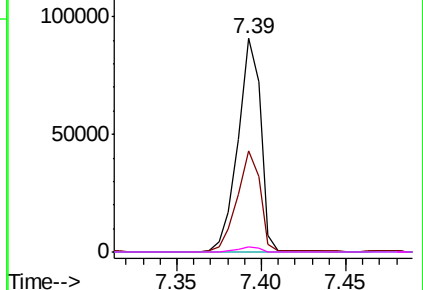


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.12 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BF120515.D

Acq: 3 Jun 2020 17:52

Instrument :

BNA_F

ClientSampleId :

NM12-COMP-2020-0-6

Tot Ion:136 Resp: 612916

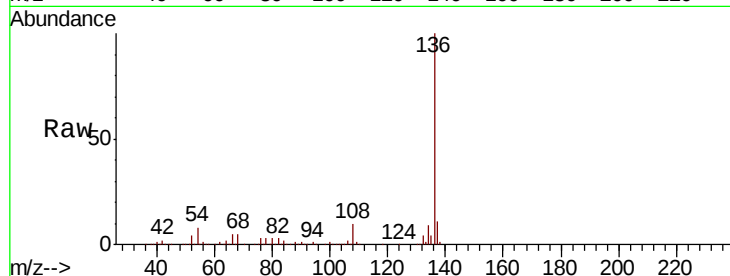
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 7.5 6.0 9.0

68 5.3 4.8 7.2

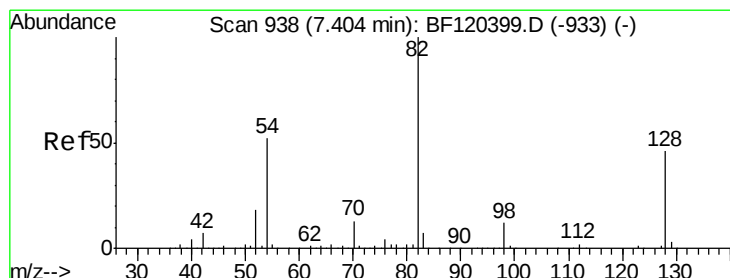
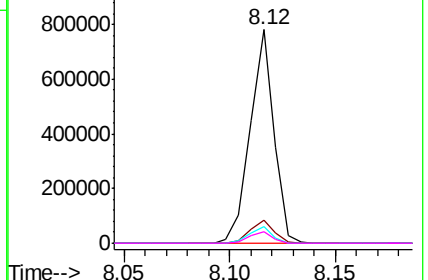
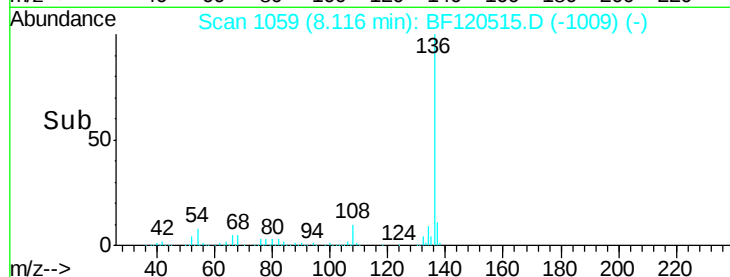


Abundance Ion 136.00 (135.70 to 136.70): E

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: 68.808 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF120515.D

Acq: 3 Jun 2020 17:52

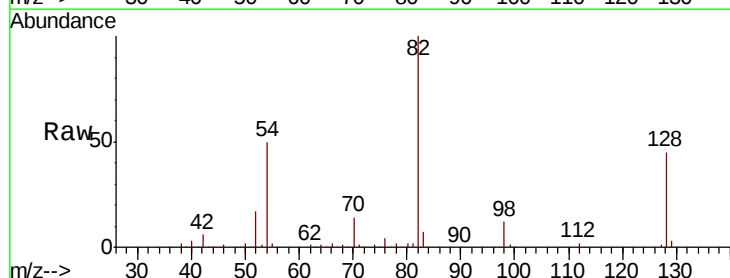
Tgt Ion: 82 Resp: 644728

Ion Ratio Lower Upper

82 100

128 45.1 37.4 56.0

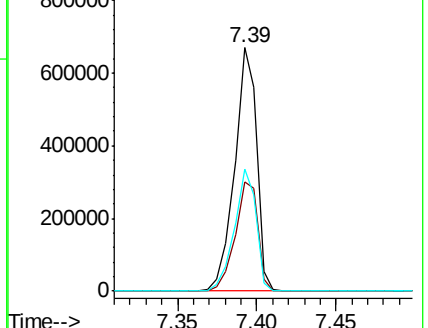
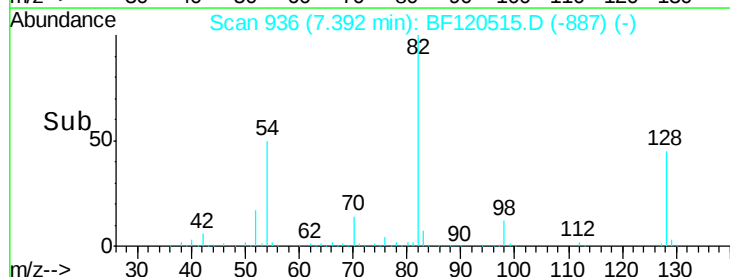
54 50.3 40.7 61.1



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: 34.015 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.27 min

Lab File: BF120515.D

Acq: 3 Jun 2020 17:52

Instrument :

BNA_F

ClientSampleId :

NM12-COMP-2020-0-6

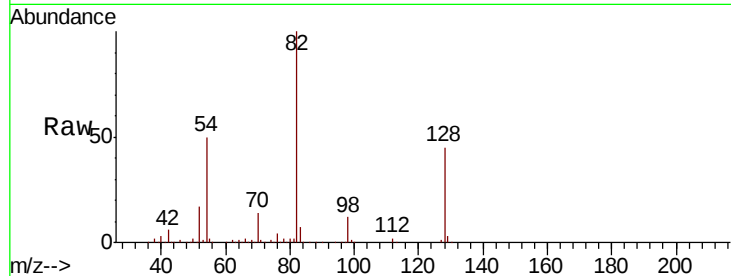
Tot Ion: 82 Resp: 640588

Ion Ratio Lower Upper

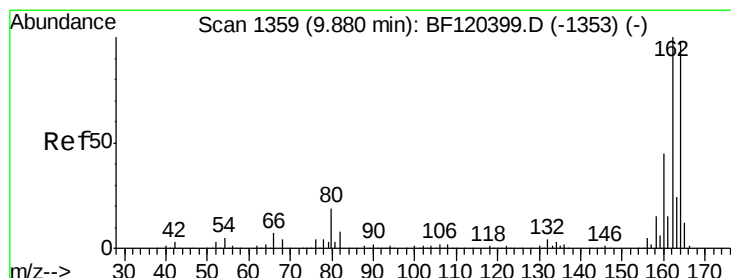
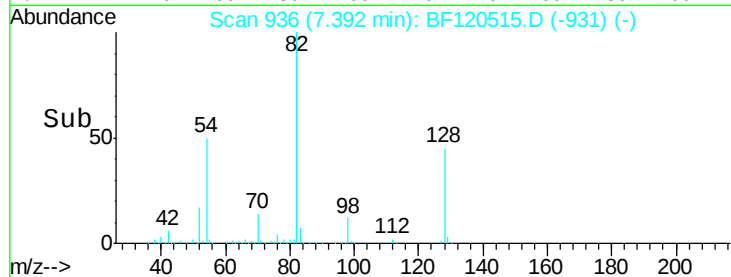
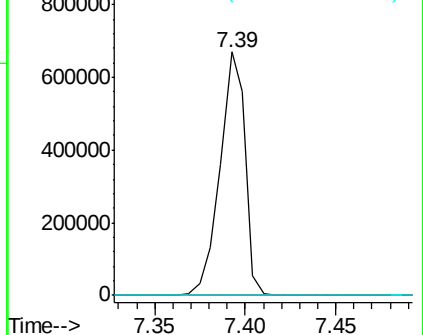
82 100

95 0.0 5.5 8.3#

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: 9.87 min Scan# 1357

Delta R.T. -0.01 min

Lab File: BF120515.D

Acq: 3 Jun 2020 17:52

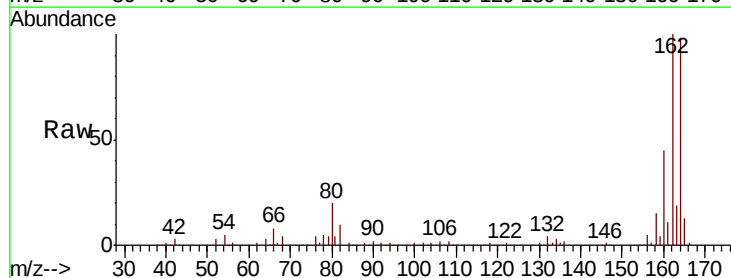
Tgt Ion: 164 Resp: 333063

Ion Ratio Lower Upper

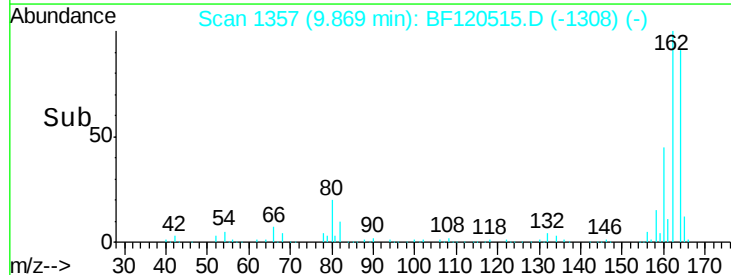
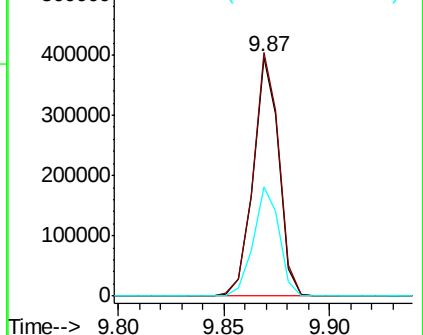
164 100

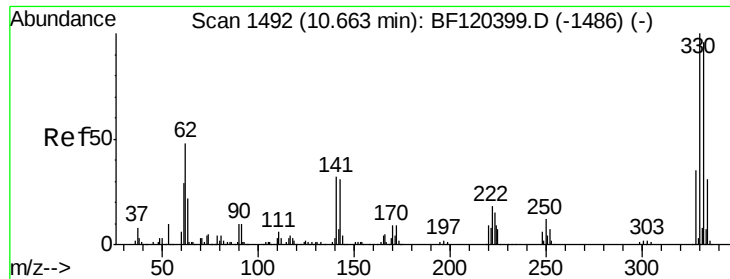
162 101.9 81.8 122.6

160 45.9 37.3 55.9



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

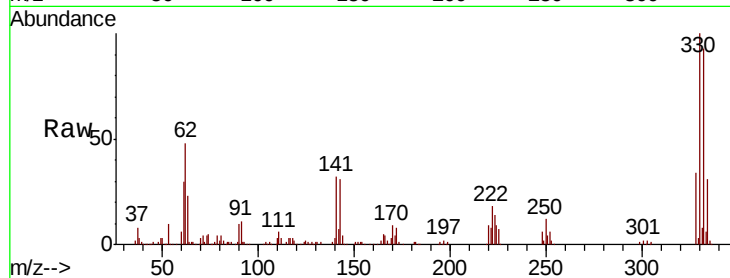




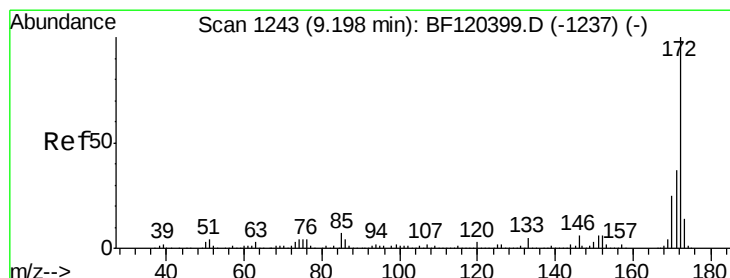
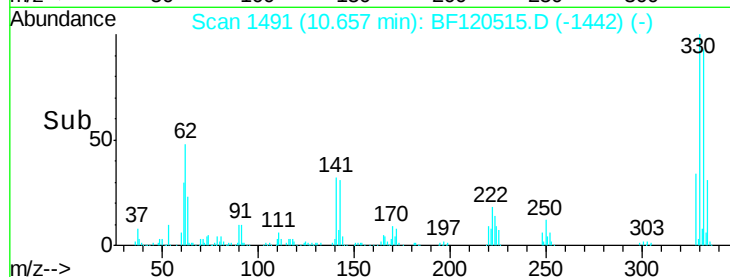
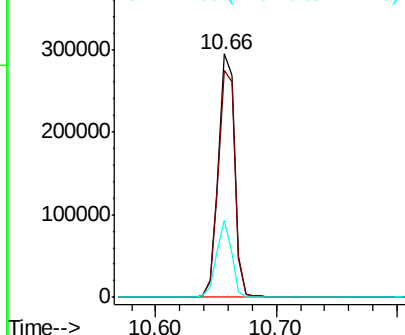
#42
 2,4,6-Tribromophenol
 Concen: 88.324 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120515.D
 Acq: 3 Jun 2020 17:52

Instrument :
 BNA_F
 ClientSampleId :
 NM12-COMP-2020-0-6

Tot Ion:330 Resp: 272565
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.4 116.2
 141 29.1 23.5 35.3

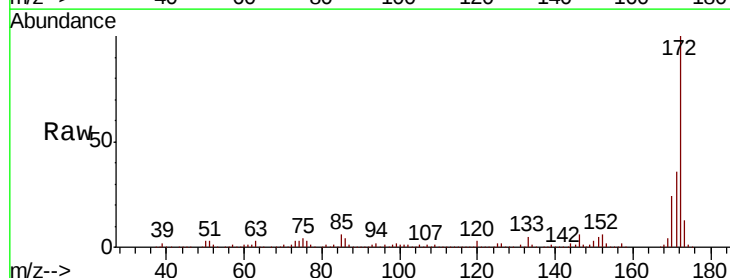


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

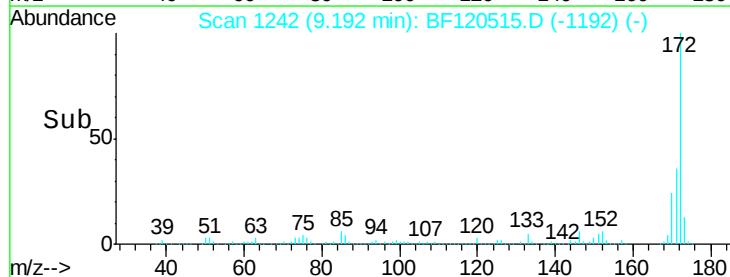
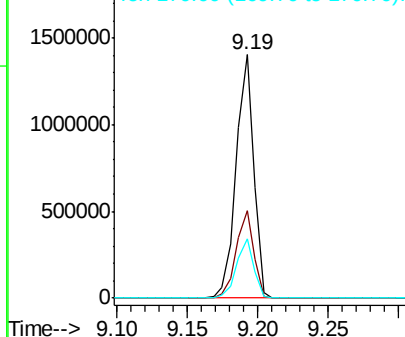


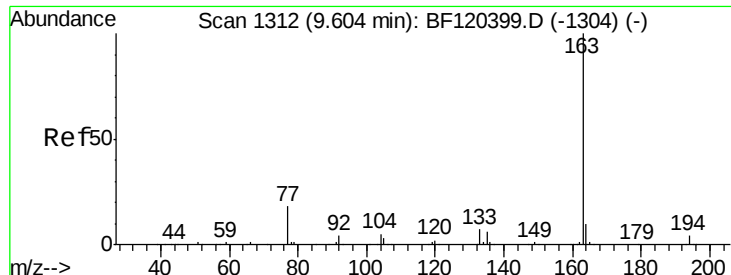
#45
 2-Fluorobiphenyl
 Concen: 62.113 ng
 RT: 9.19 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF120515.D
 Acq: 3 Jun 2020 17:52

Tgt Ion:172 Resp: 1219288
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.2 43.8
 170 24.1 20.1 30.1



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

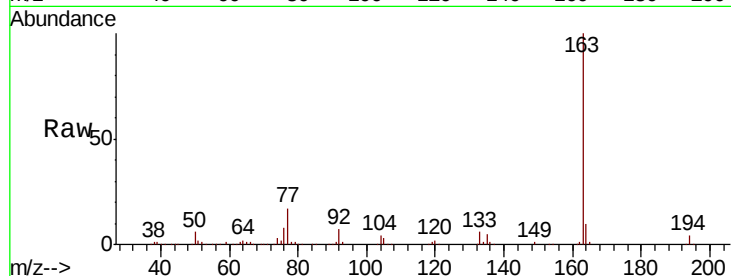




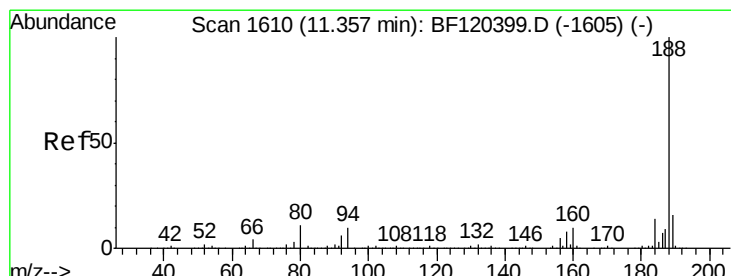
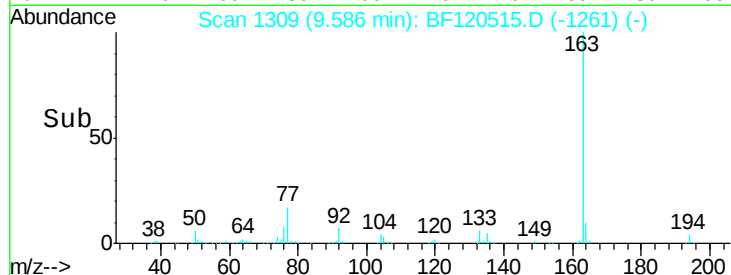
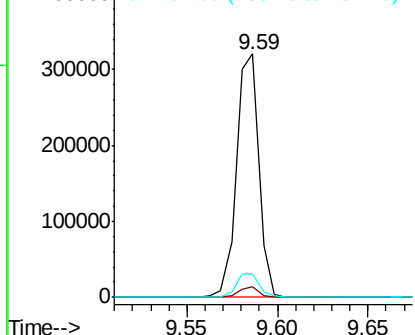
#50
Dimethylphthalate
Concen: 13.202 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF120515.D
Acq: 3 Jun 2020 17:52

Instrument :
BNA_F
ClientSampleId :
NM12-COMP-2020-0-6

Tot Ion:163 Resp: 274904
Ion Ratio Lower Upper
163 100
194 4.2 3.1 4.7
164 9.8 8.2 12.4

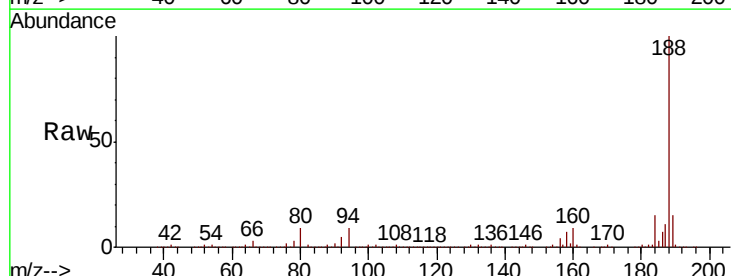


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

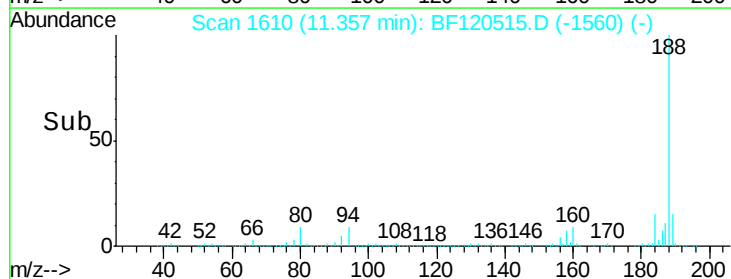
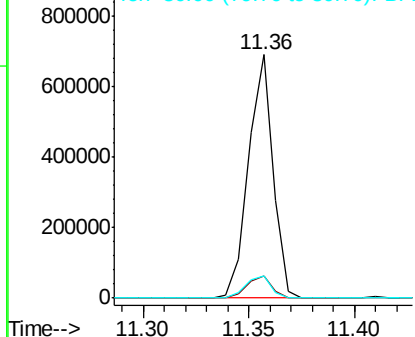


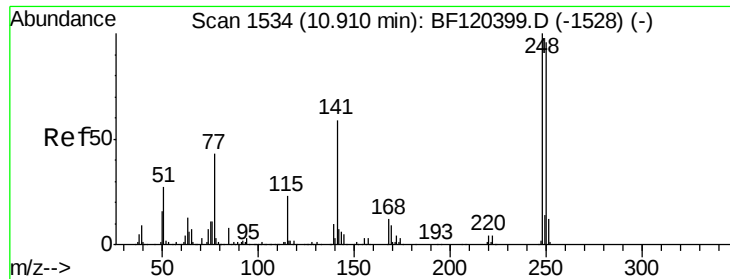
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BF120515.D
Acq: 3 Jun 2020 17:52

Tgt Ion:188 Resp: 557487
Ion Ratio Lower Upper
188 100
94 8.9 7.5 11.3
80 9.2 7.9 11.9



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

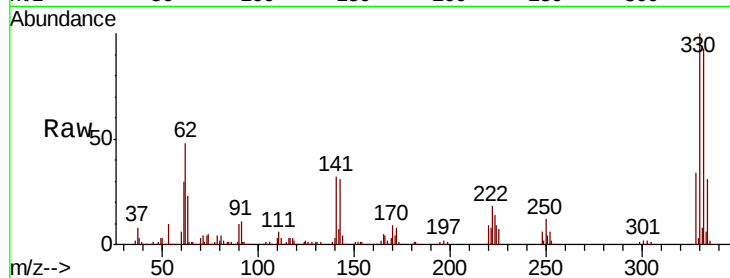




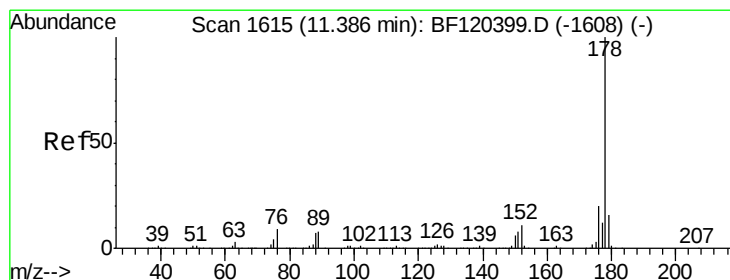
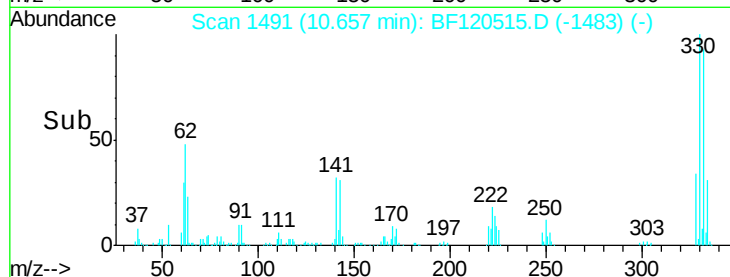
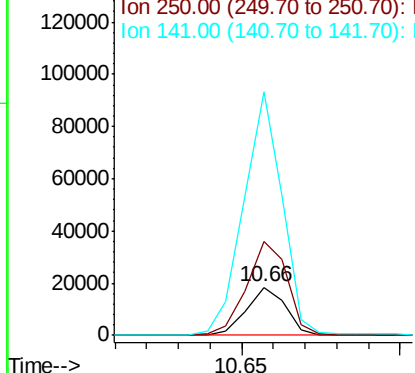
#67
4-Bromophenyl-phenylether
Concen: 2.800 ng
RT: 10.66 min Scan# 1491
Delta R.T. -0.25 min
Lab File: BF120515.D
Acq: 3 Jun 2020 17:52

Instrument :
BNA_F
ClientSampleId :
NM12-COMP-2020-0-6

Tot Ion:248 Resp: 15758
Ion Ratio Lower Upper
248 100
250 195.5 78.0 117.0#
141 504.6 50.3 75.5#

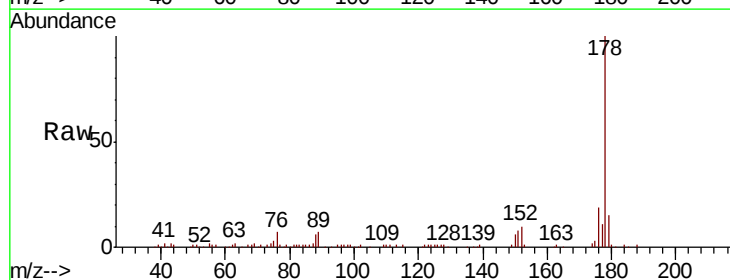


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

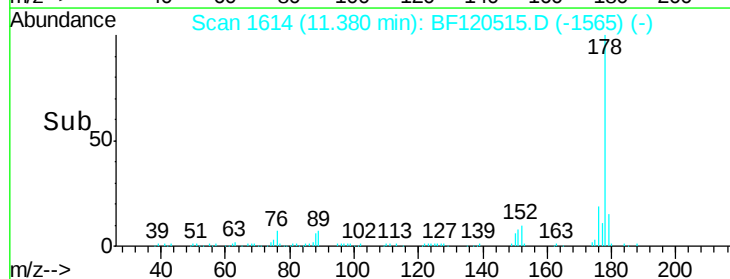
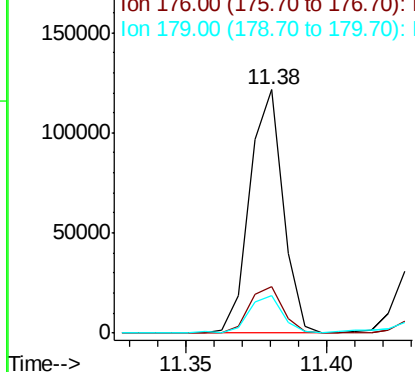


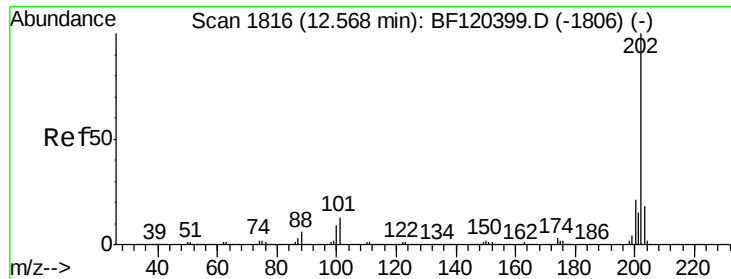
#71
Phenanthrene
Concen: 4.063 ng
RT: 11.38 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BF120515.D
Acq: 3 Jun 2020 17:52

Tgt Ion:178 Resp: 99812
Ion Ratio Lower Upper
178 100
176 19.1 16.6 24.8
179 15.3 13.0 19.4



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





#75

Fluoranthene

Concen: 7.172 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120515.D

Acq: 3 Jun 2020 17:52

Instrument :

BNA_F

ClientSampleId :

NM12-COMP-2020-0-6

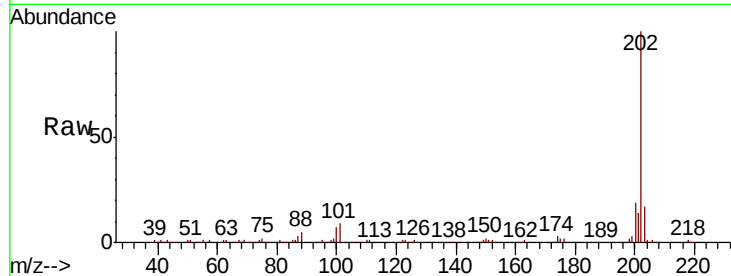
Tot Ion:202 Resp: 189571

Ion Ratio Lower Upper

202 100

101 8.9 0.0 30.4

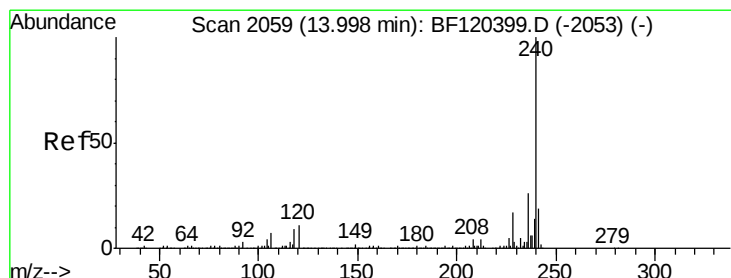
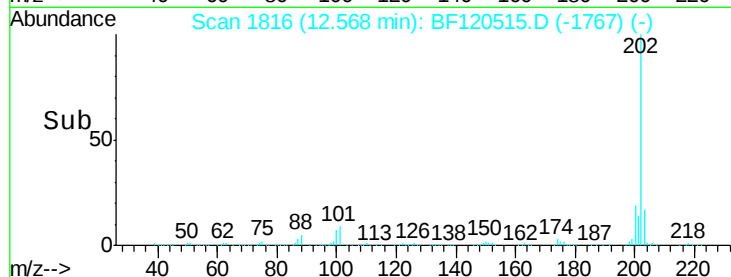
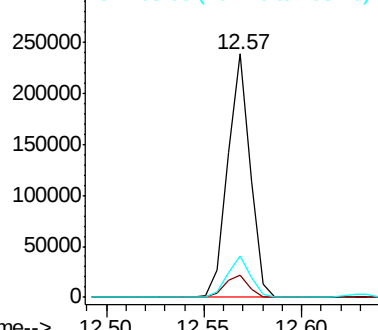
203 16.9 0.0 38.2



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# 2059

Delta R.T. -0.01 min

Lab File: BF120515.D

Acq: 3 Jun 2020 17:52

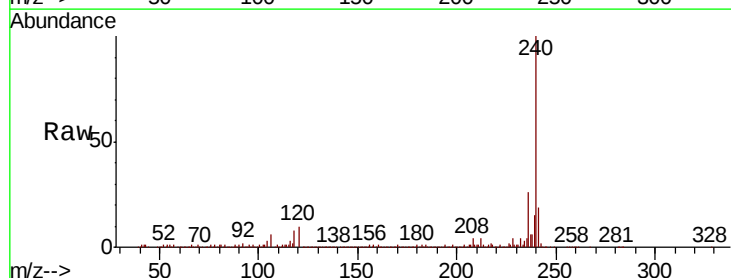
Tgt Ion:240 Resp: 405557

Ion Ratio Lower Upper

240 100

120 10.0 7.9 11.9

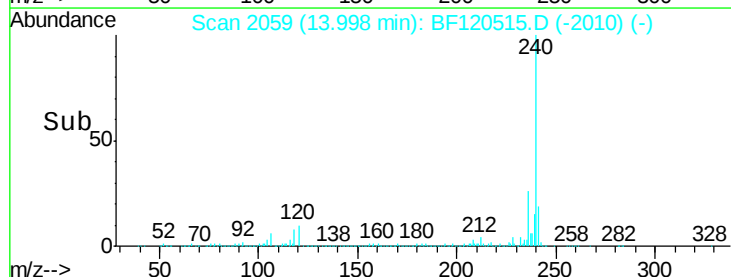
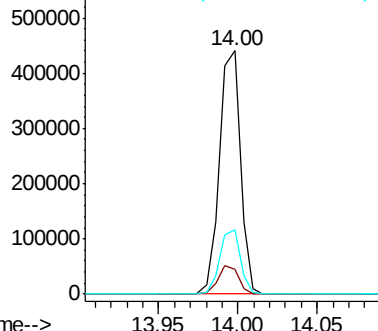
236 26.5 21.1 31.7

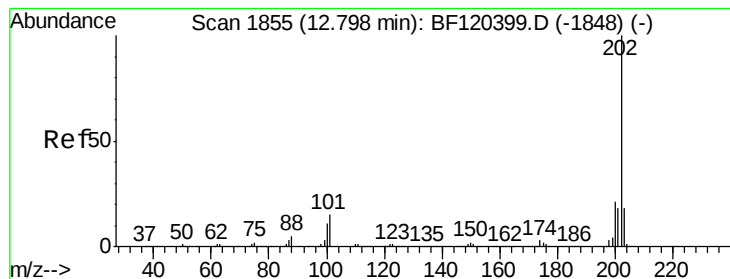


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 6.942 ng

RT: 12.80 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF120515.D

Acq: 3 Jun 2020 17:52

Instrument :

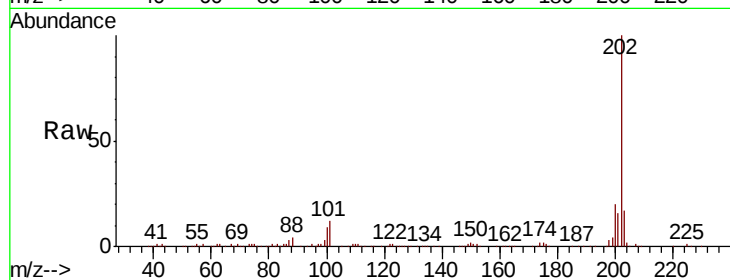
BNA_F

ClientSampleId :

NM12-COMP-2020-0-6

Tot Ion:202 Resp: 195800

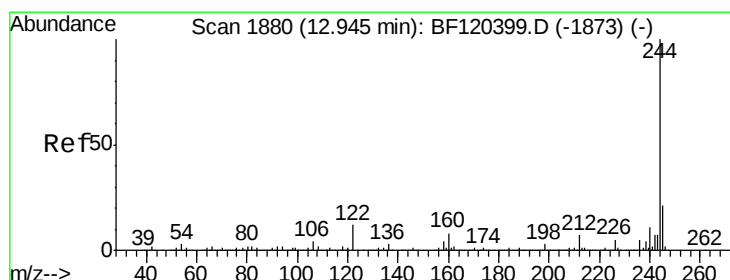
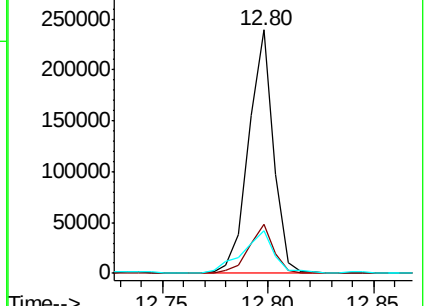
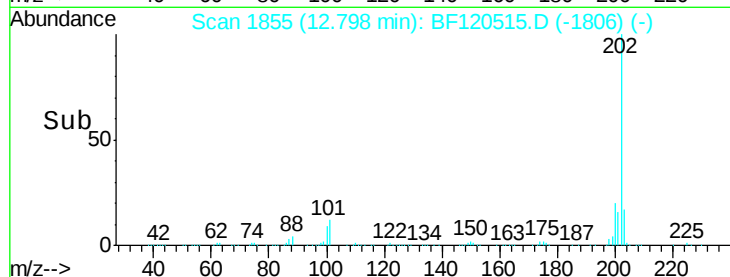
Ion	Ratio	Lower	Upper
202	100		
200	19.9	17.3	25.9
203	17.3	14.5	21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 53.720 ng

RT: 12.94 min Scan# 1880

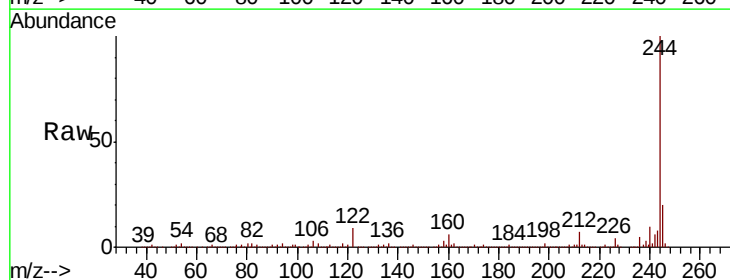
Delta R.T. -0.01 min

Lab File: BF120515.D

Acq: 3 Jun 2020 17:52

Tgt Ion:244 Resp: 979059

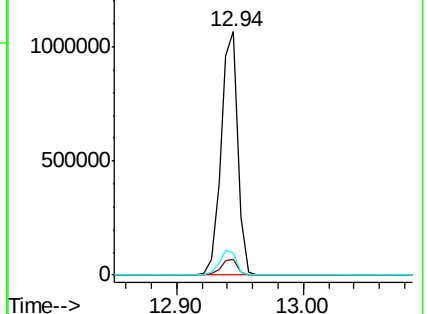
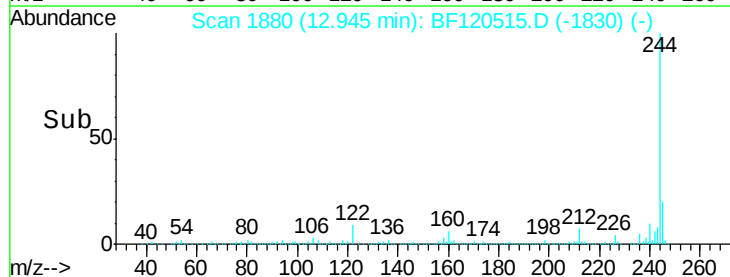
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.8
122	9.1	8.2	12.4

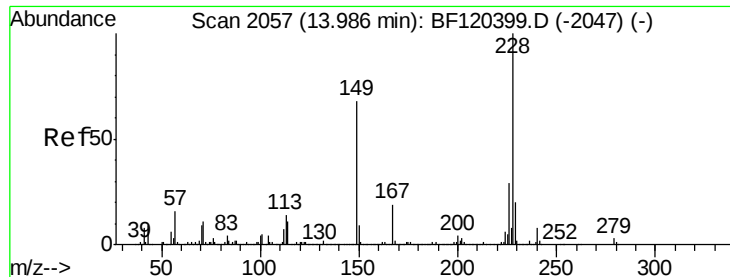


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

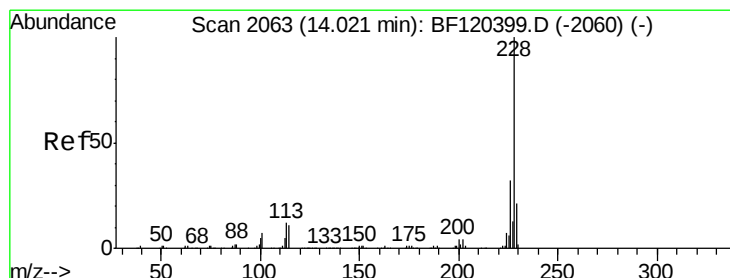
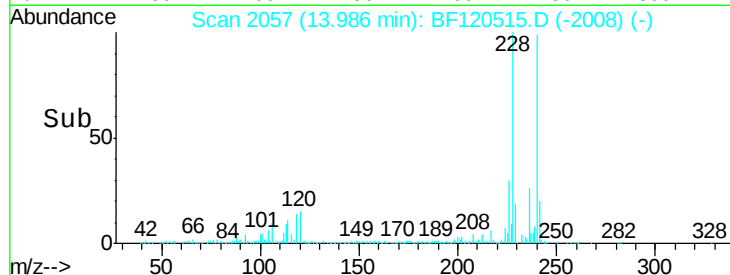
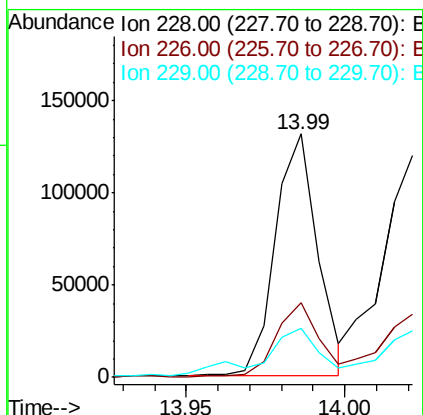
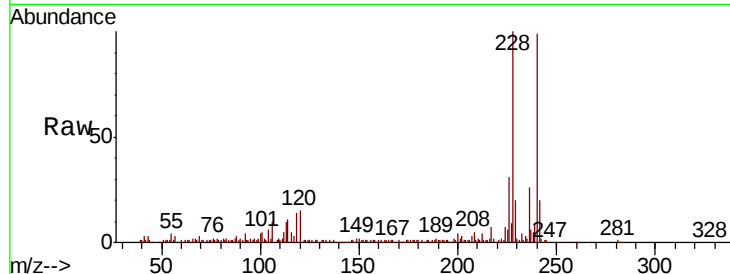




#81
Benzo(a)anthracene
Concen: 5.632 ng
RT: 13.99 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BF120515.D
Acq: 3 Jun 2020 17:52

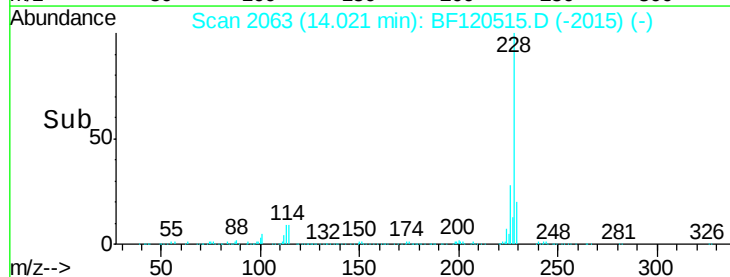
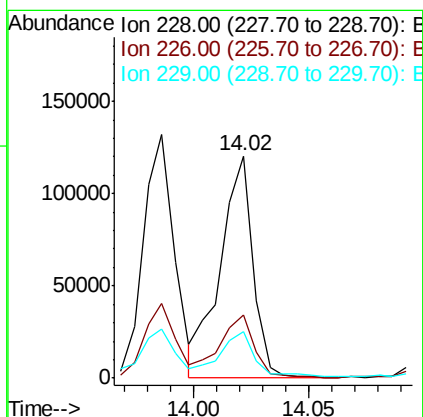
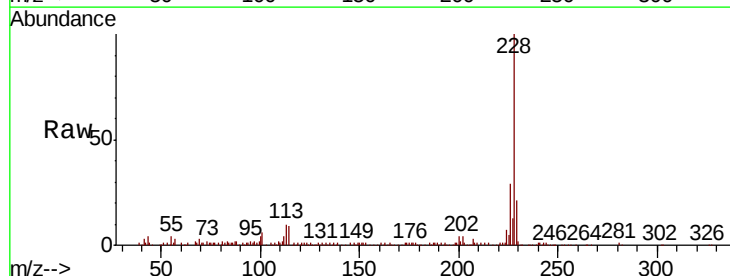
Instrument :
BNA_F
ClientSampleId :
NM12-COMP-2020-0-6

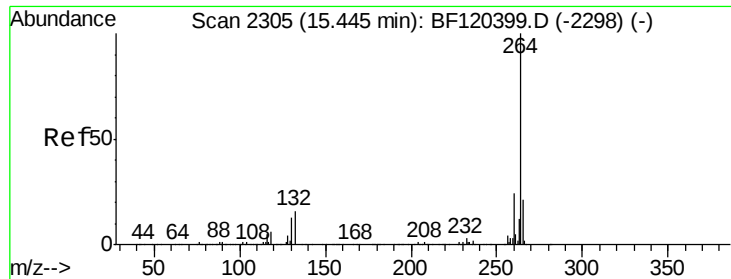
Tot Ion:228 Resp: 122423
Ion Ratio Lower Upper
228 100
226 30.7 22.7 34.1
229 20.1 16.3 24.5



#83
Chrysene
Concen: 5.148 ng
RT: 14.02 min Scan# 2063
Delta R.T. -0.02 min
Lab File: BF120515.D
Acq: 3 Jun 2020 17:52

Tgt Ion:228 Resp: 117316
Ion Ratio Lower Upper
228 100
226 28.7 25.2 37.8
229 21.1 16.1 24.1



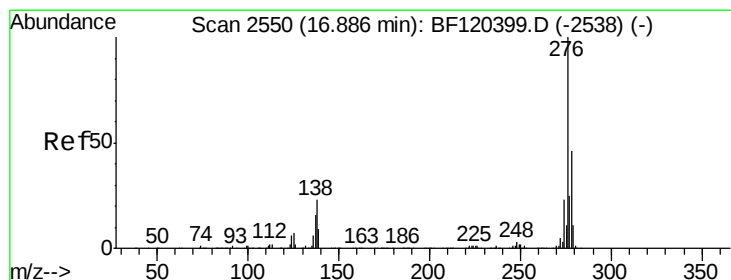
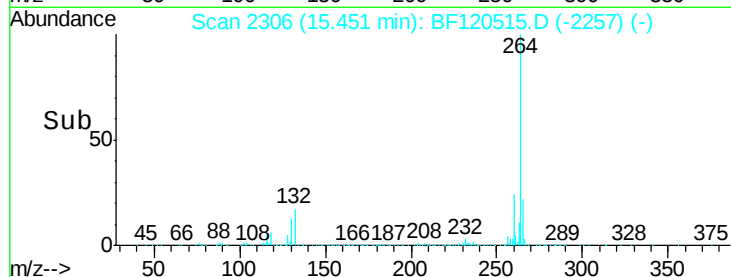
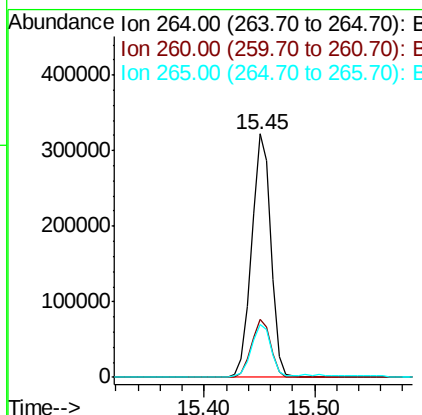
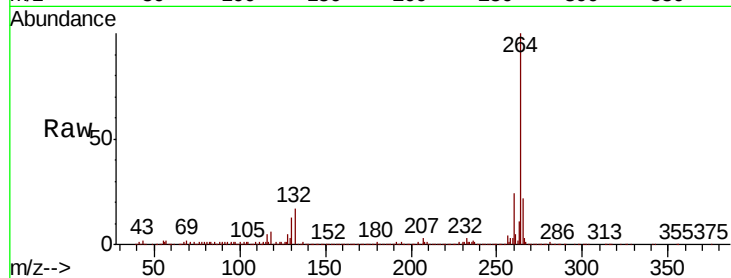


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. -0.01 min
Lab File: BF120515.D
Acq: 3 Jun 2020 17:52

Instrument :
BNA_F
ClientSampleId :
NM12-COMP-2020-0-6

Tot Ion:264 Resp: 393646

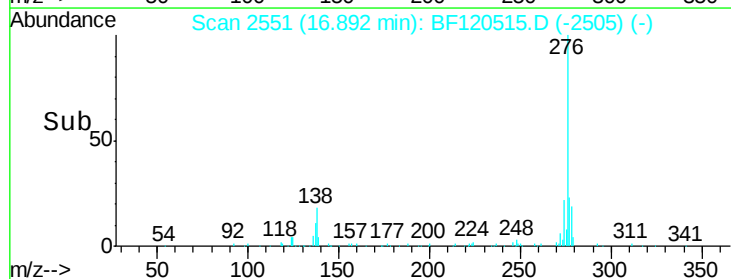
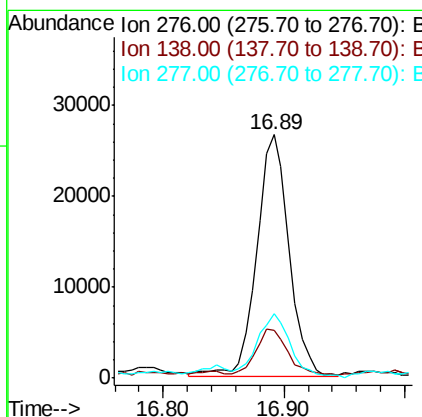
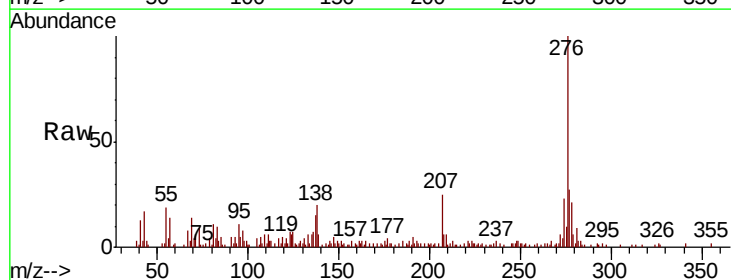
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.8	29.8
265	21.9	17.5	26.3

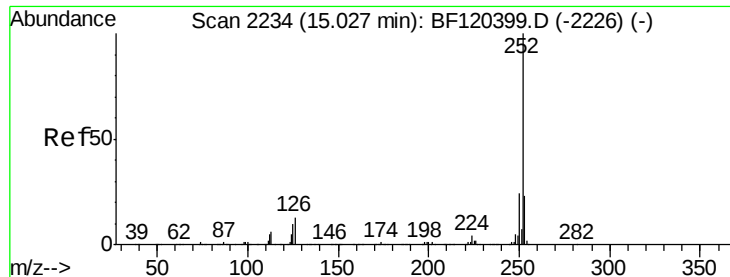


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.321 ng
RT: 16.89 min Scan# 2551
Delta R.T. -0.03 min
Lab File: BF120515.D
Acq: 3 Jun 2020 17:52

Tgt Ion:276 Resp: 49978

Ion	Ratio	Lower	Upper
276	100		
138	18.6	19.2	28.8#
277	28.1	20.4	30.6

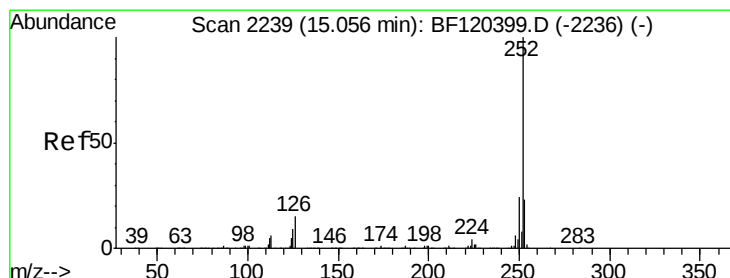
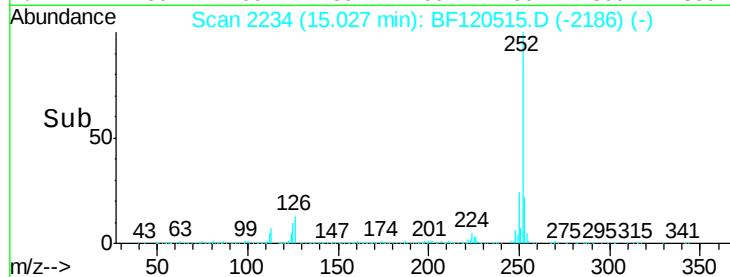
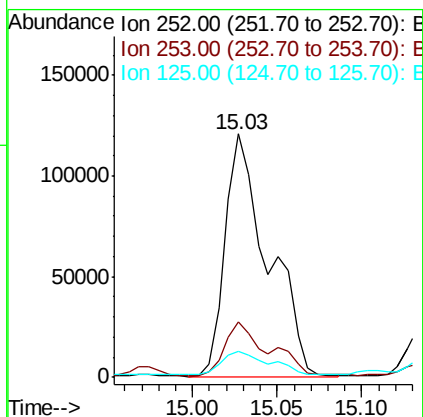
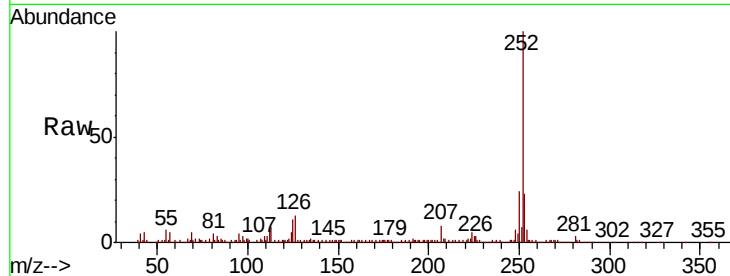




#88
Benzo(b)fluoranthene
Concen: 9.729 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.02 min
Lab File: BF120515.D
Acq: 3 Jun 2020 17:52

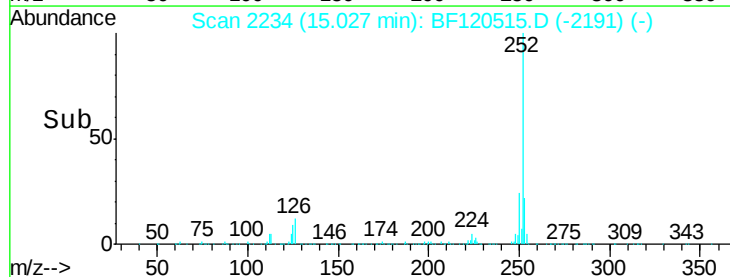
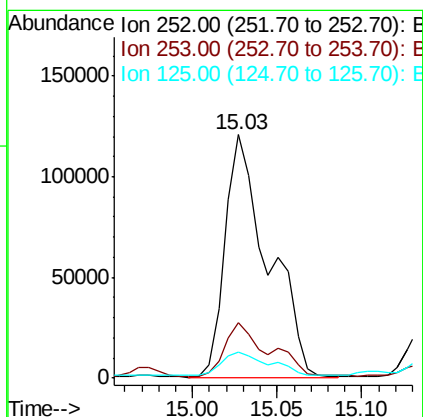
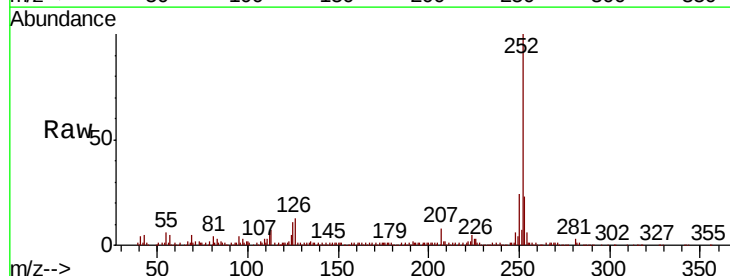
Instrument :
BNA_F
ClientSampleId :
NM12-COMP-2020-0-6

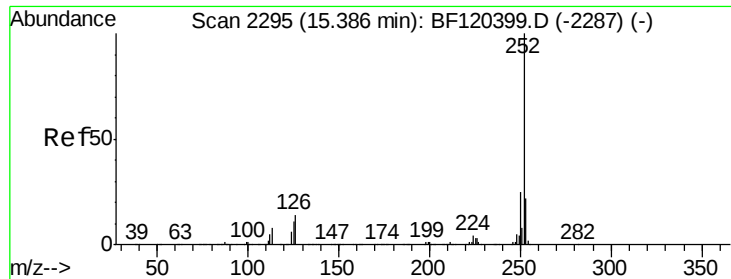
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	10.5	7.6	11.4



#89
Benzo(k)fluoranthene
Concen: 10.422 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.05 min
Lab File: BF120515.D
Acq: 3 Jun 2020 17:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	10.5	7.5	11.3





#90

Benzo(a)pyrene

Concen: 5.764 ng

RT: 15.39 min Scan# 2295

Delta R.T. -0.02 min

Lab File: BF120515.D

Acq: 3 Jun 2020 17:52

Instrument :

BNA_F

ClientSampleId :

NM12-COMP-2020-0-6

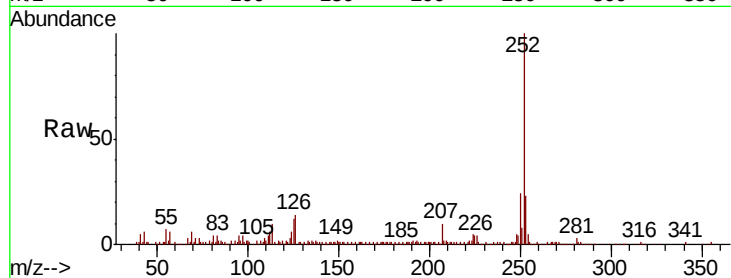
Tot Ion:252 Resp: 110241

Ion Ratio Lower Upper

252 100

253 22.5 18.0 27.0

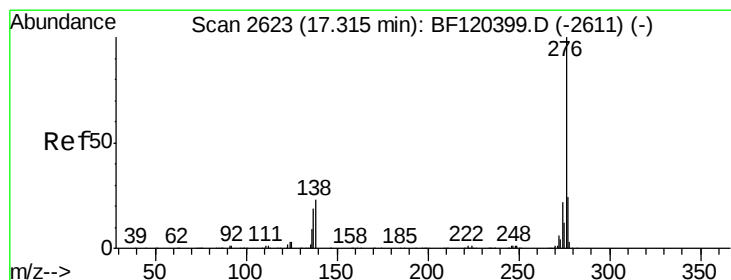
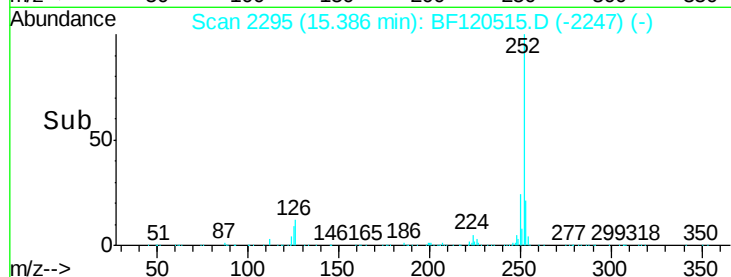
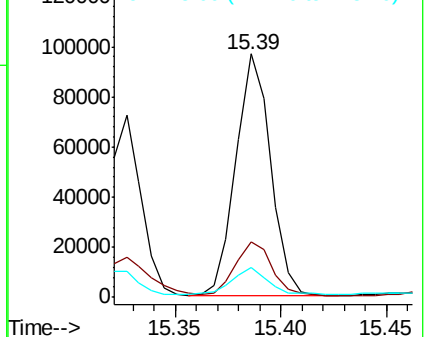
125 12.1 9.2 13.8



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: 3.194 ng

RT: 17.33 min Scan# 2626

Delta R.T. -0.03 min

Lab File: BF120515.D

Acq: 3 Jun 2020 17:52

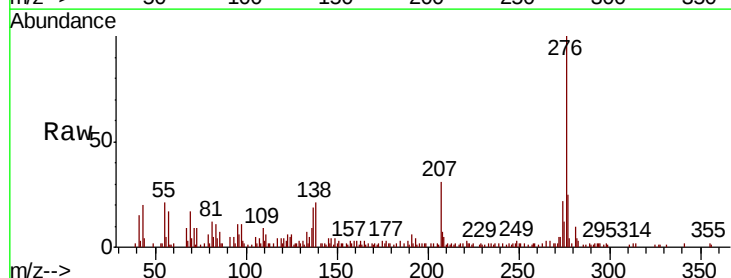
Tgt Ion:276 Resp: 55297

Ion Ratio Lower Upper

276 100

277 25.3 19.4 29.2

138 21.1 16.6 25.0



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

