

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
 Data File : BF120518.D
 Acq On : 3 Jun 2020 19:15
 Operator : JU/CG
 Sample : L2839-20
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM21-COMP-2020-0-6

Quant Time: Jun 04 00:41:18 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	144353	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	533061	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	264653	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	437523	20.00	ng	0.00
76) Chrysene-d12	14.00	240	421331	20.00	ng	-0.01
86) Perylene-d12	15.45	264	386168	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	596547	78.76	ng	0.00
7) Phenol-d6	6.47	99	765793	82.02	ng	0.00
23) Nitrobenzene-d5	7.40	82	532012	65.28	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	222521	90.75	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1034014	66.29	ng	0.00
79) Terphenyl-d14	12.94	244	1117844	59.04	ng	0.00

Target Compounds

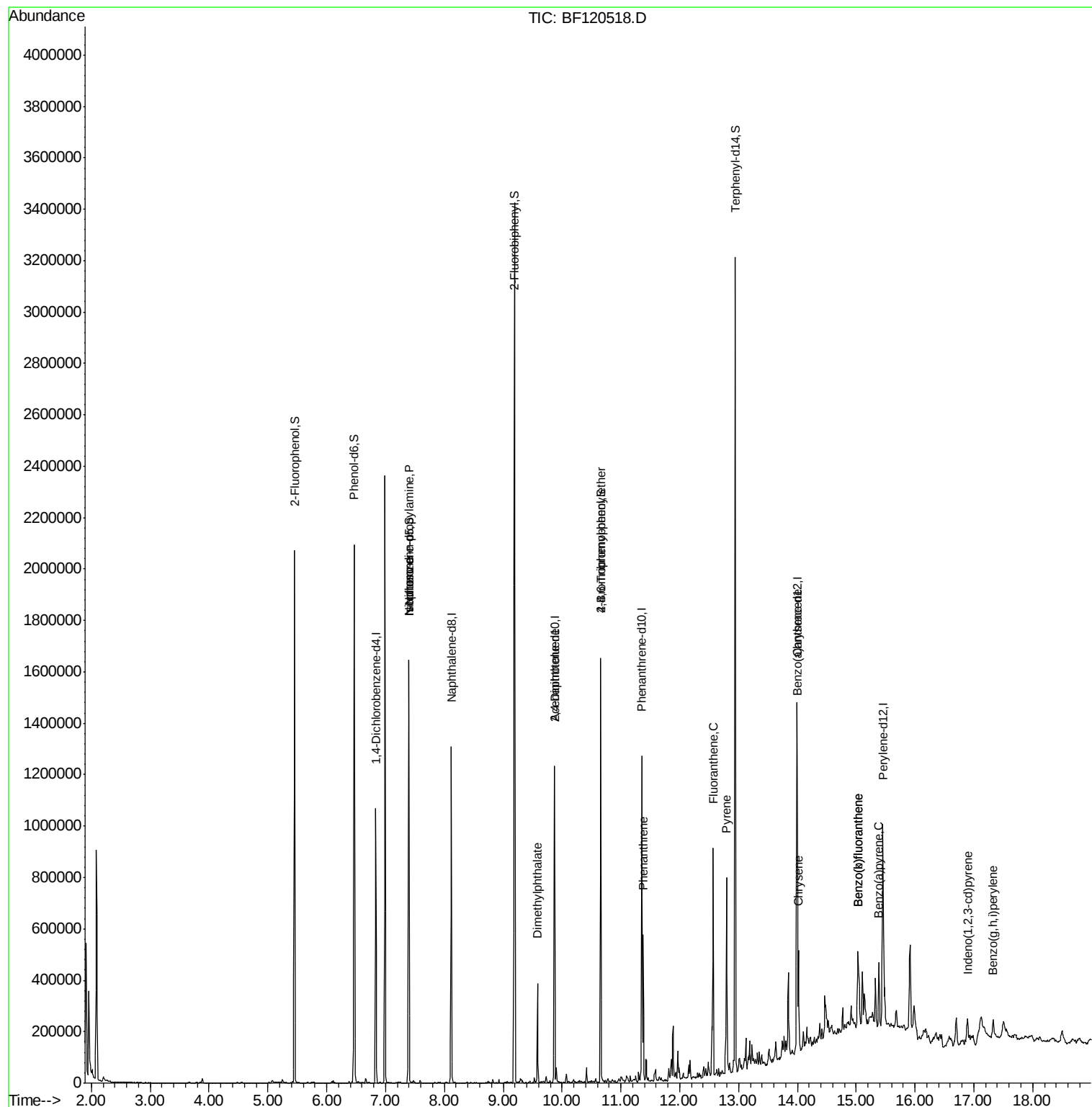
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	70693	11.912	ng	# 78
25) Isophorone	7.40	82	529440	32.325	ng	# 64
50) Dimethylphthalate	9.59	163	157220	9.502	ng	98
57) 2,4-Dinitrotoluene	9.87	165	33876	7.199	ng	# 26
67) 4-Bromophenyl-phenylether	10.66	248	13070	2.959	ng	# 1
71) Phenanthrene	11.38	178	184641	9.578	ng	97
75) Fluoranthene	12.57	202	323370	15.589	ng	99
78) Pyrene	12.80	202	298025	10.171	ng	97
81) Benzo(a)anthracene	13.99	228	166882	7.390	ng	99
83) Chrysene	14.02	228	140081	5.917	ng	96
87) Indeno(1,2,3-cd)pyrene	16.89	276	58191	2.755	ng	95
88) Benzo(b)fluoranthene	15.03	252	235418	10.976	ng	98
89) Benzo(k)fluoranthene	15.03	252	235418	11.757	ng	99
90) Benzo(a)pyrene	15.39	252	118314	6.306	ng	99
92) Benzo(a,h,i)perylene	17.33	276	60675	3.573	ng	96

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

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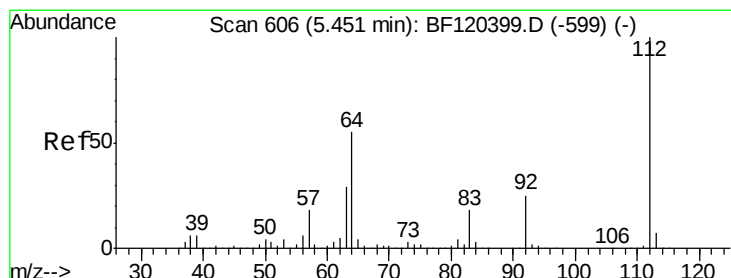
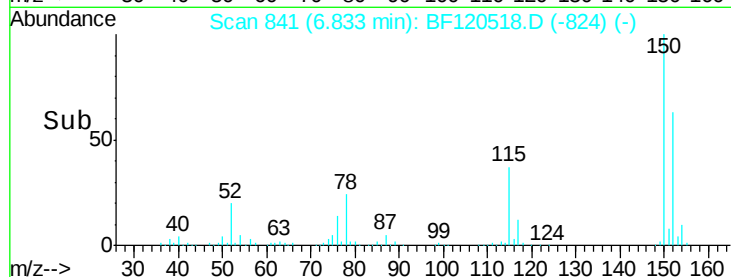
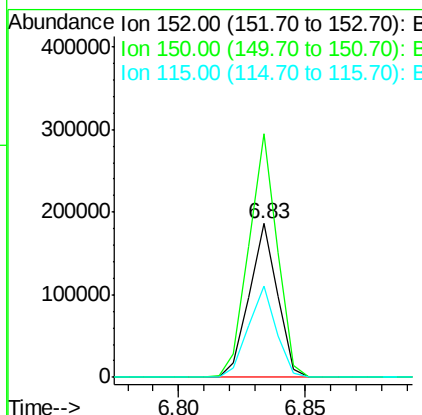
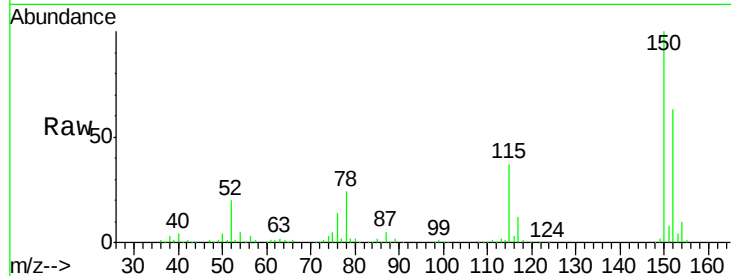


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 841
 Delta R.T. 0.00 min
 Lab File: BF120518.D
 Acq: 3 Jun 2020 19:15

Instrument :
 BNA_F
 ClientSampleId :
 NM21-COMP-2020-0-6

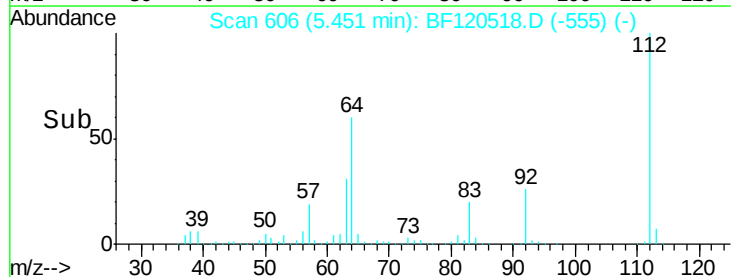
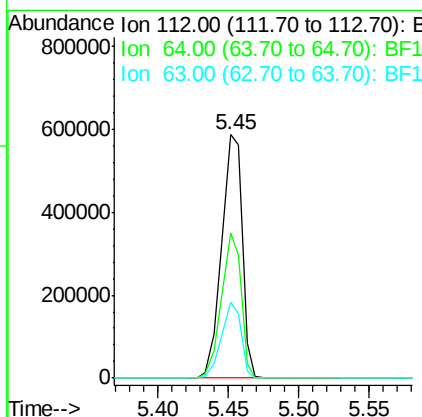
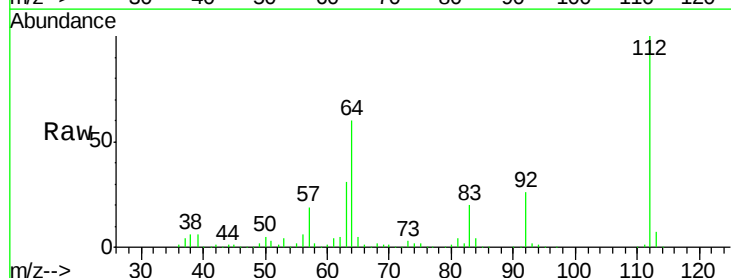
Tot Ion:152 Resp: 144353
 Ion Ratio Lower Upper
 152 100
 150 158.3 127.1 190.7
 115 59.0 48.7 73.1



#5

2-Fluorophenol
 Concen: 78.756 ng
 RT: 5.45 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: BF120518.D
 Acq: 3 Jun 2020 19:15

Tgt Ion:112 Resp: 596547
 Ion Ratio Lower Upper
 112 100
 64 59.8 45.8 68.8
 63 31.0 23.7 35.5





#7

Phenol-d6

Concen: 82.024 ng

RT: 6.47 min Scan# 779

Delta R.T. -0.01 min

Lab File: BF120518.D

Acq: 3 Jun 2020 19:15

Instrument :

BNA_F

ClientSampleId :

NM21-COMP-2020-0-6

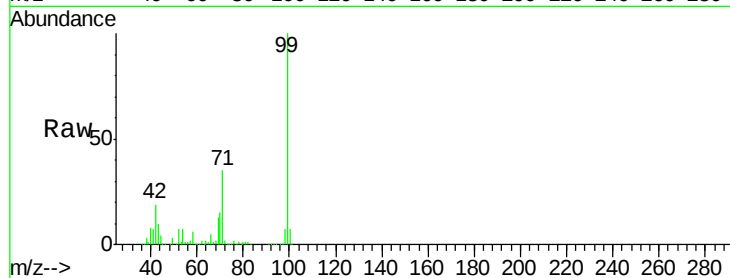
Tot Ion: 99 Resp: 765793

Ion Ratio Lower Upper

99 100

42 19.3 15.0 22.4

71 35.0 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

6.47

800000

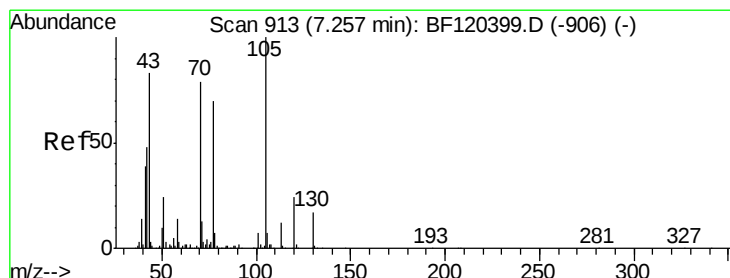
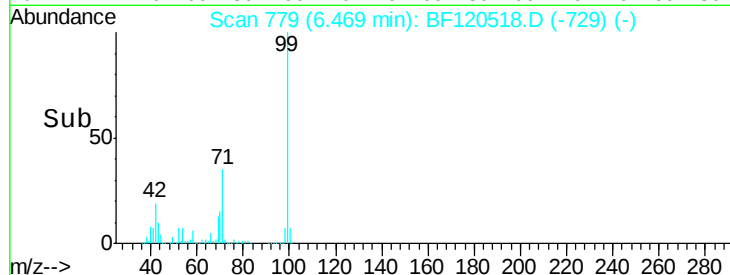
600000

400000

200000

0

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 11.912 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120518.D

Acq: 3 Jun 2020 19:15

Tgt Ion: 70 Resp: 70693

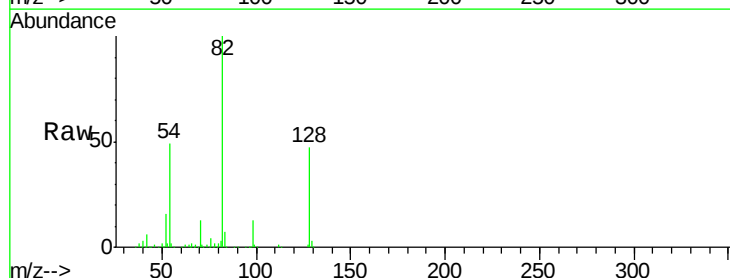
Ion Ratio Lower Upper

70 100

42 48.1 47.6 71.4

101 0.0 7.4 11.0#

130 2.2 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

7.40

80000

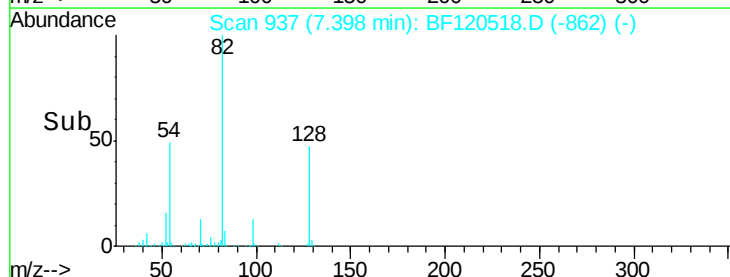
60000

40000

20000

0

Time-->

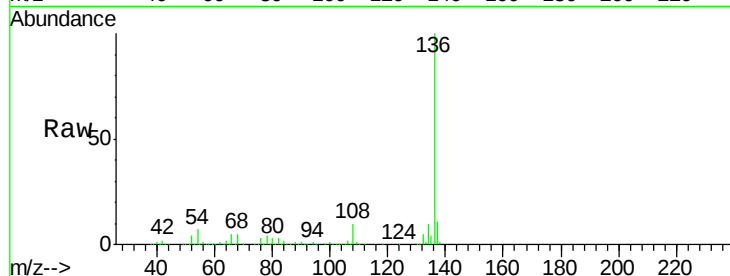




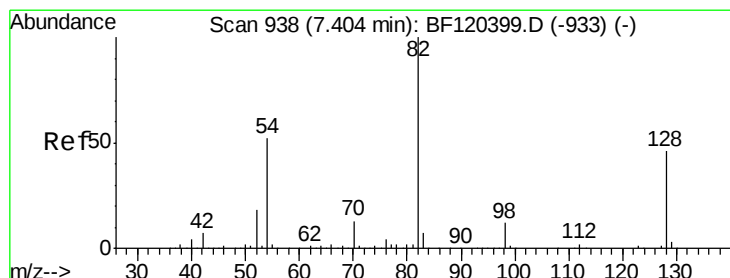
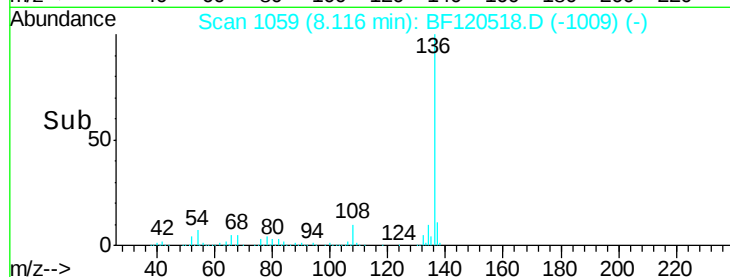
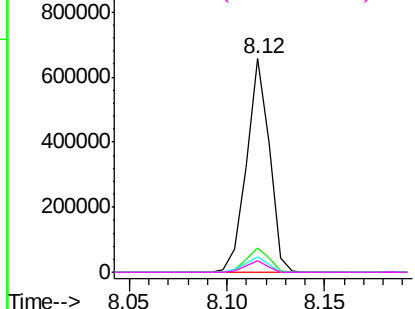
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BF120518.D
Acq: 3 Jun 2020 19:15

Instrument :
BNA_F
ClientSampleId :
NM21-COMP-2020-0-6

Tot Ion:136	Resp:	533061
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.0 13.4
54	7.4	6.0 9.0
68	5.2	4.8 7.2

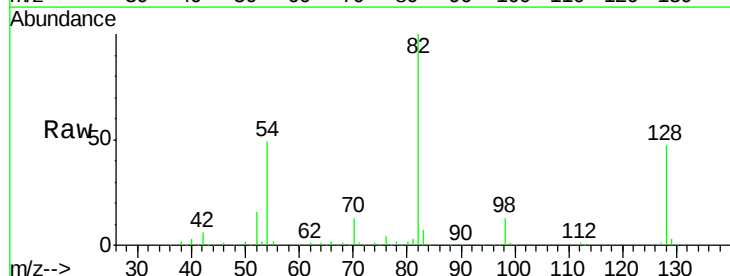


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

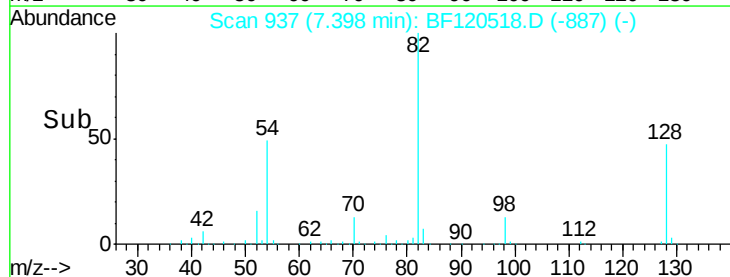
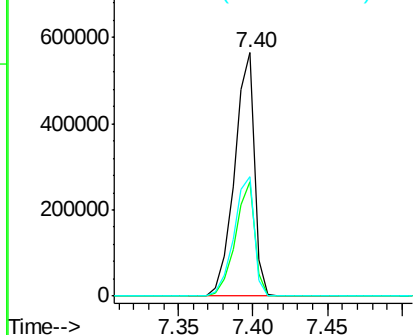


#23
Nitrobenzene-d5
Concen: 65.284 ng
RT: 7.40 min Scan# 937
Delta R.T. -0.01 min
Lab File: BF120518.D
Acq: 3 Jun 2020 19:15

Tgt Ion: 82	Resp:	532012
Ion Ratio	Lower	Upper
82	100	
128	47.0	37.4 56.0
54	49.0	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: 32.325 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120518.D

Acq: 3 Jun 2020 19:15

Instrument :

BNA_F

ClientSampleId :

NM21-COMP-2020-0-6

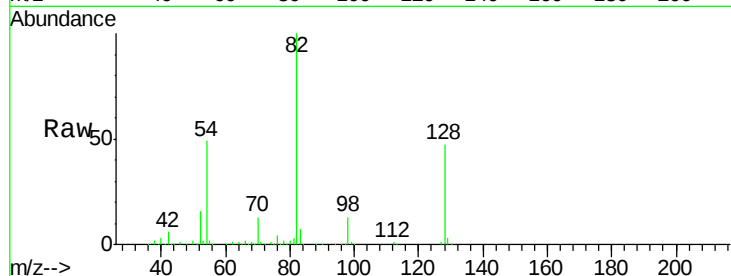
Tot Ion: 82 Resp: 529440

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

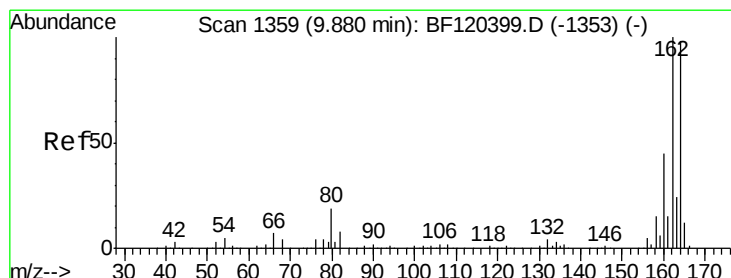
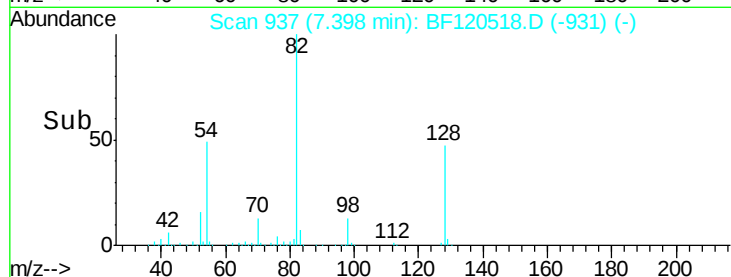
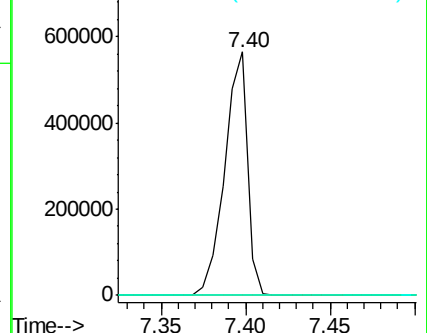
138 0.0 15.0 22.6#



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# 1358

Delta R.T. -0.01 min

Lab File: BF120518.D

Acq: 3 Jun 2020 19:15

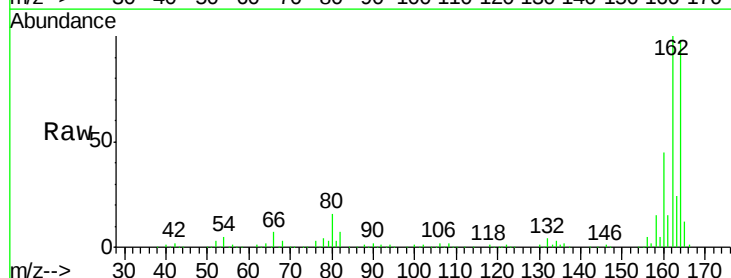
Tgt Ion: 164 Resp: 264653

Ion Ratio Lower Upper

164 100

162 102.3 81.8 122.6

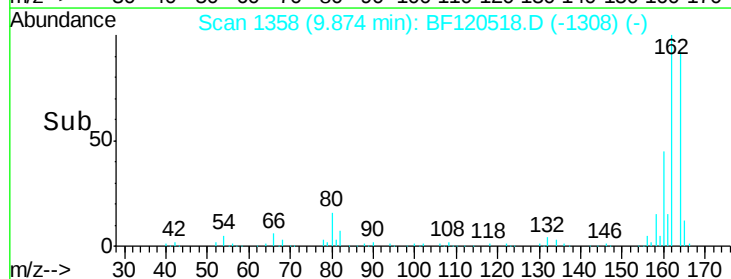
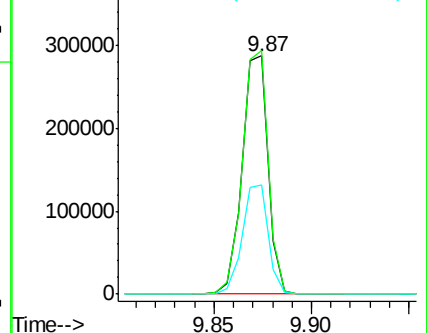
160 45.9 37.3 55.9



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

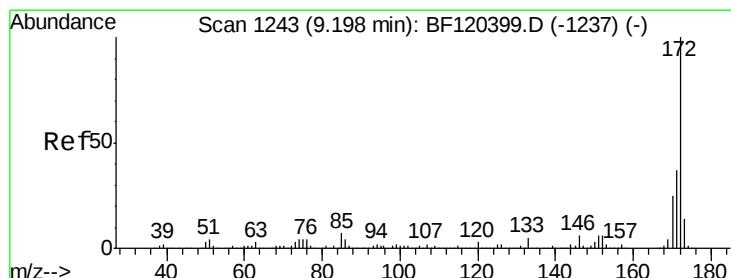
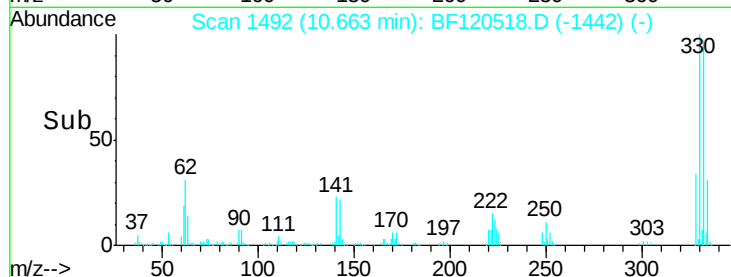
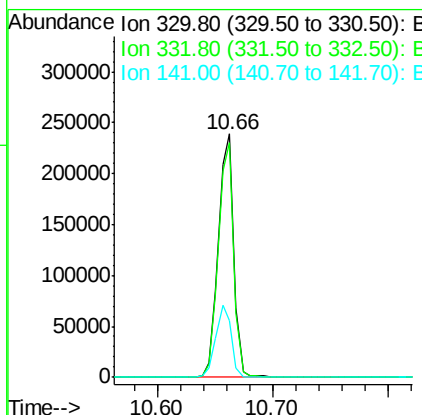
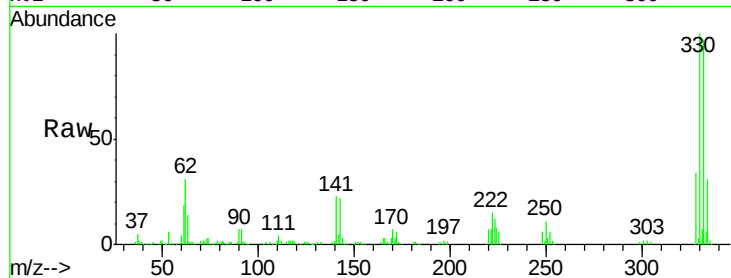




#42
 2,4,6-Tribromophenol
 Concen: 90.746 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BF120518.D
 Acq: 3 Jun 2020 19:15

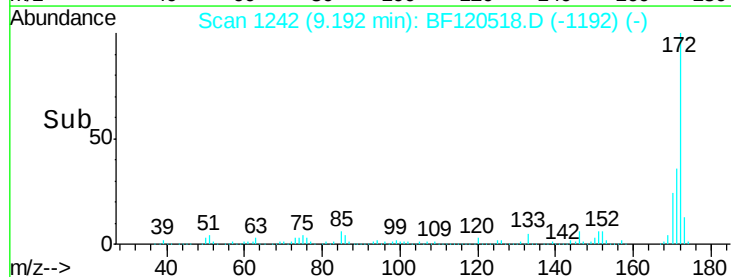
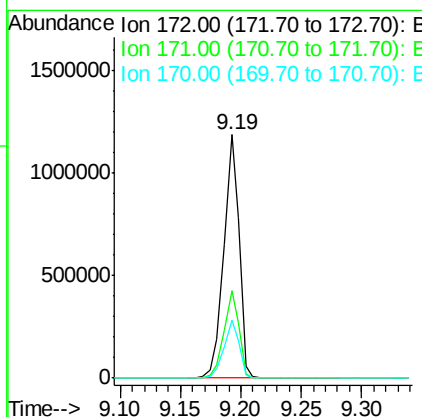
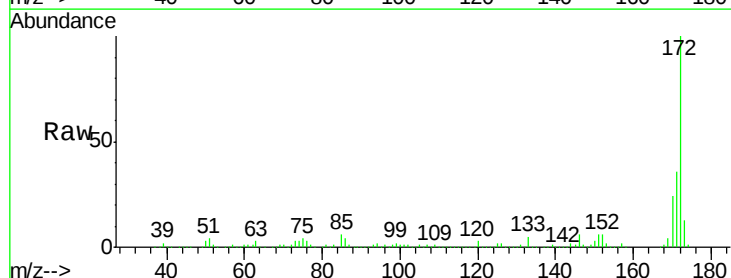
Instrument :
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 NM21-COMP-2020-0-6

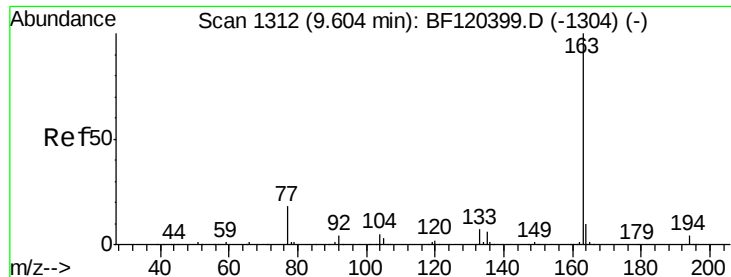
Tot Ion:330 Resp: 222521
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.4 116.2
 141 29.6 23.5 35.3



#45
 2-Fluorobiphenyl
 Concen: 66.291 ng
 RT: 9.19 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF120518.D
 Acq: 3 Jun 2020 19:15

Tgt Ion:172 Resp: 1034014
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.2 43.8
 170 23.6 20.1 30.1





#50

Dimethylphthalate

Concen: 9.502 ng

RT: 9.59 min Scan# 1309

Delta R.T. -0.02 min

Lab File: BF120518.D

Acq: 3 Jun 2020 19:15

Instrument :

BNA_F

ClientSampleId :

NM21-COMP-2020-0-6

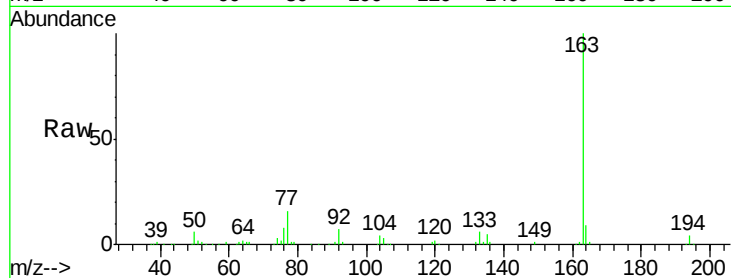
Tot Ion:163 Resp: 157220

Ion Ratio Lower Upper

163 100

194 4.2 3.1 4.7

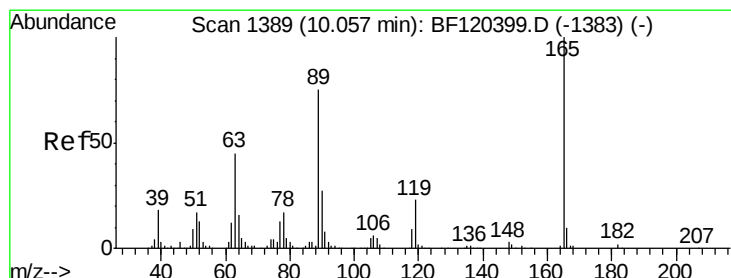
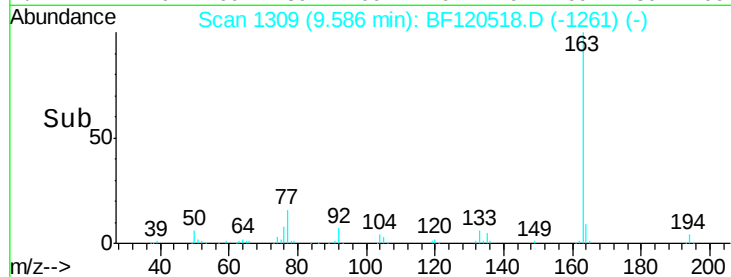
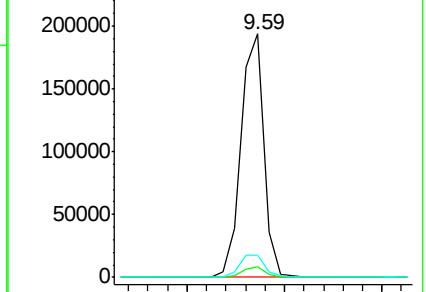
164 9.2 8.2 12.4



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



#57

2,4-Dinitrotoluene

Concen: 7.199 ng

RT: 9.87 min Scan# 1357

Delta R.T. -0.20 min

Lab File: BF120518.D

Acq: 3 Jun 2020 19:15

Tgt Ion:165 Resp: 33876

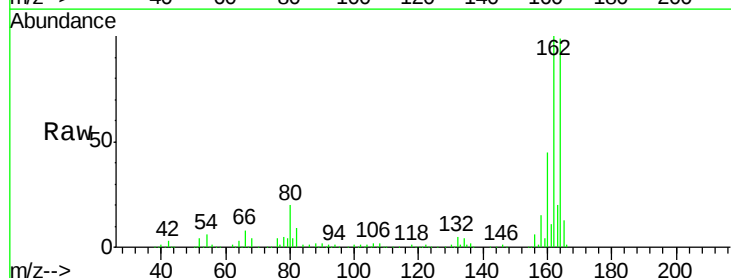
Ion Ratio Lower Upper

165 100

63 1.3 33.4 50.0#

89 1.1 54.7 82.1#

182 0.0 2.1 3.1#

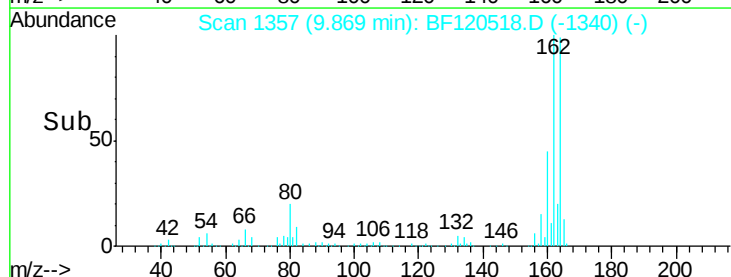
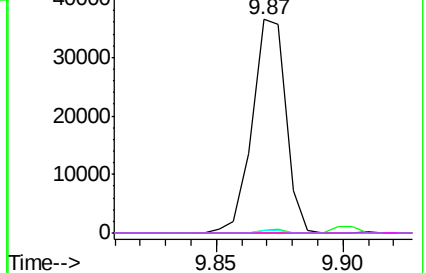


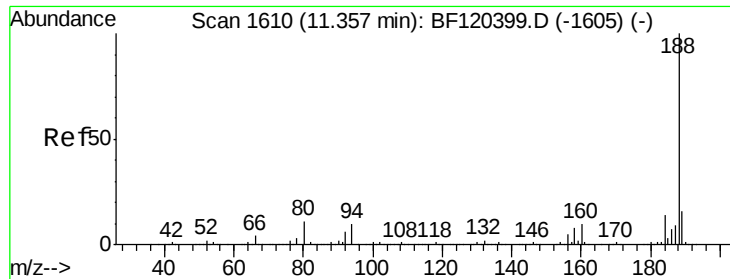
Abundance Ion 165.00 (164.70 to 165.70): E

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

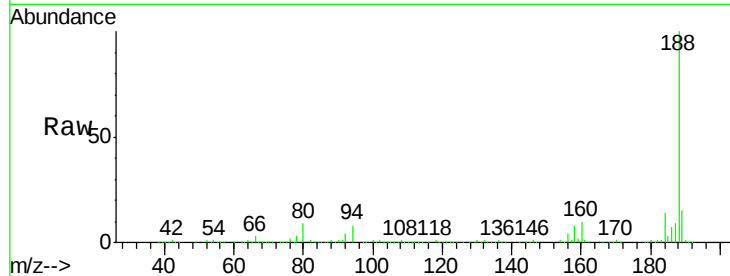




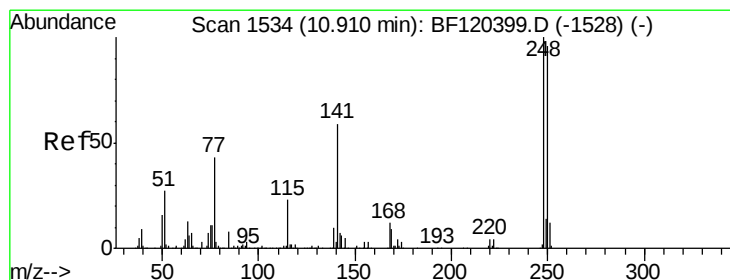
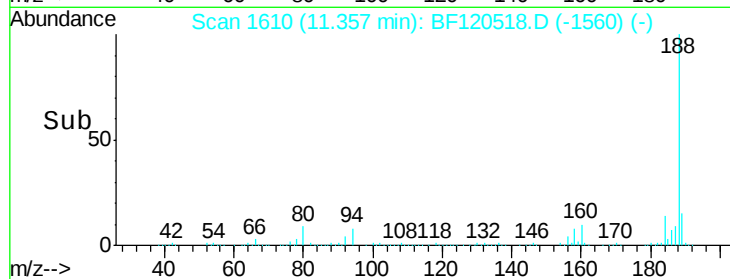
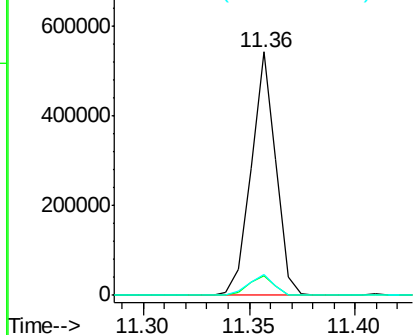
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BF120518.D
Acq: 3 Jun 2020 19:15

Instrument :
BNA_F
ClientSampleId :
NM21-COMP-2020-0-6

Tot Ion:188 Resp: 437523
Ion Ratio Lower Upper
188 100
94 8.2 7.5 11.3
80 8.7 7.9 11.9

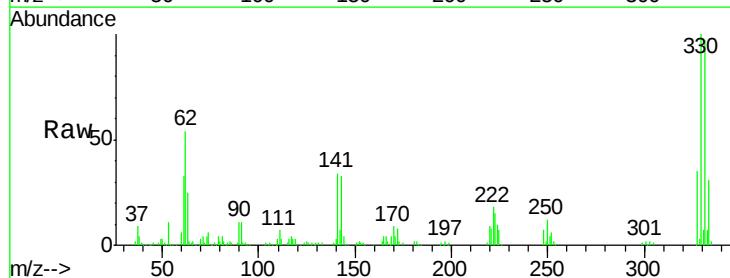


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

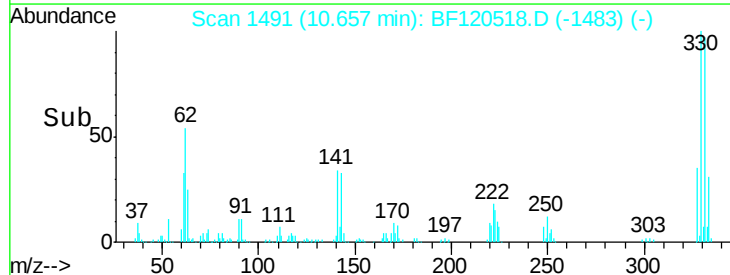
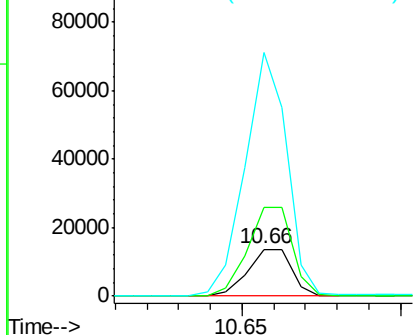


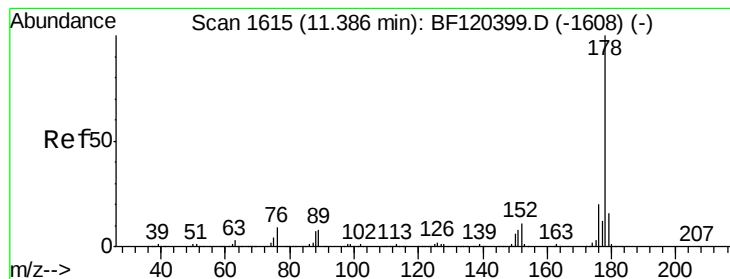
#67
4-Bromophenyl-phenylether
Concen: 2.959 ng
RT: 10.66 min Scan# 1491
Delta R.T. -0.25 min
Lab File: BF120518.D
Acq: 3 Jun 2020 19:15

Tgt Ion:248 Resp: 13070
Ion Ratio Lower Upper
248 100
250 190.9 78.0 117.0#
141 520.5 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: 9.578 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120518.D

Acq: 3 Jun 2020 19:15

Instrument :

BNA_F

ClientSampleId :

NM21-COMP-2020-0-6

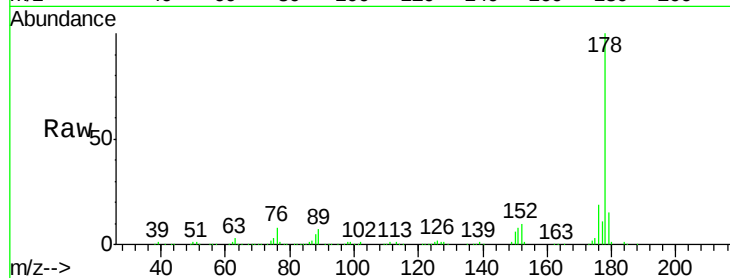
Tot Ion:178 Resp: 184641

Ion Ratio Lower Upper

178 100

176 19.1 16.6 24.8

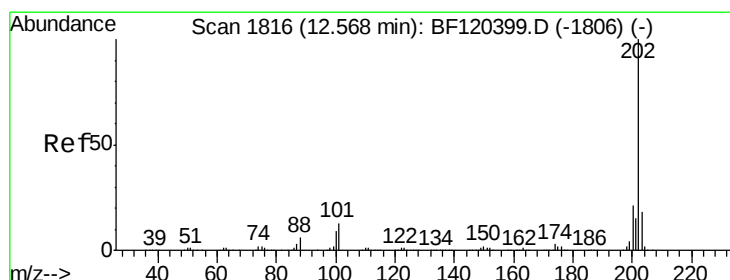
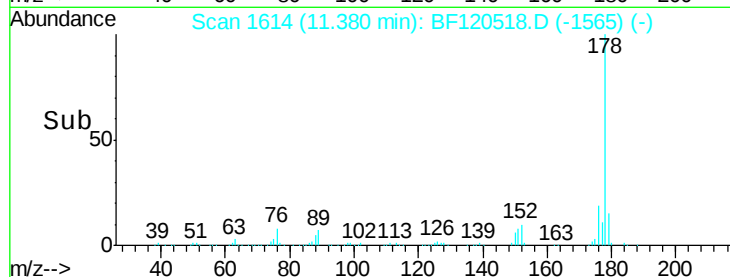
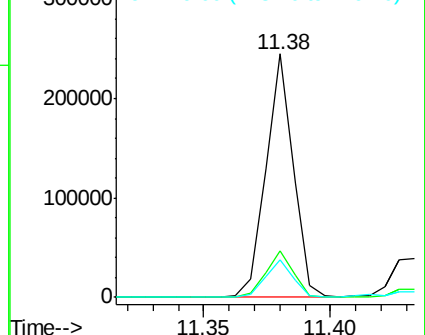
179 15.4 13.0 19.4



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: 15.589 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120518.D

Acq: 3 Jun 2020 19:15

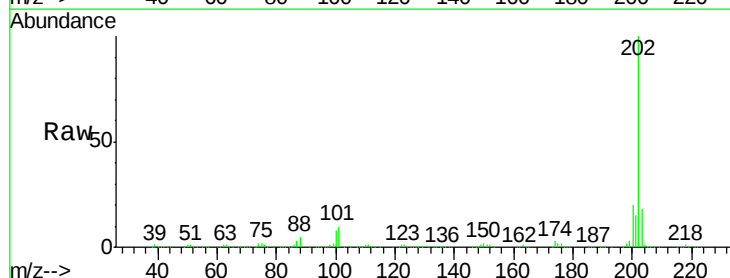
Tgt Ion:202 Resp: 323370

Ion Ratio Lower Upper

202 100

101 10.4 0.0 30.4

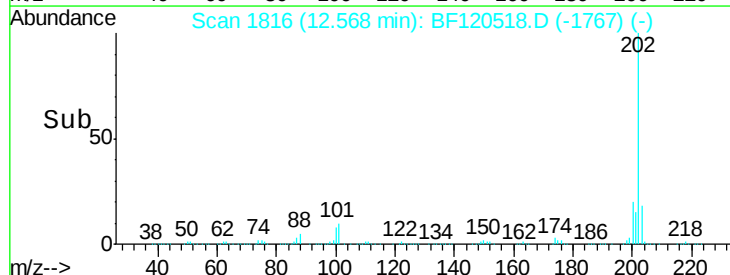
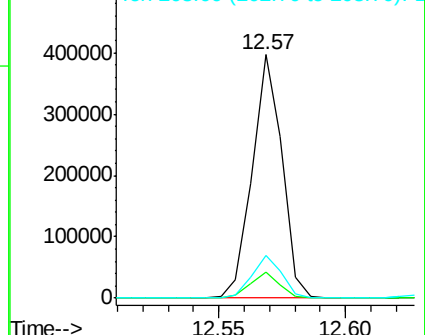
203 17.7 0.0 38.2

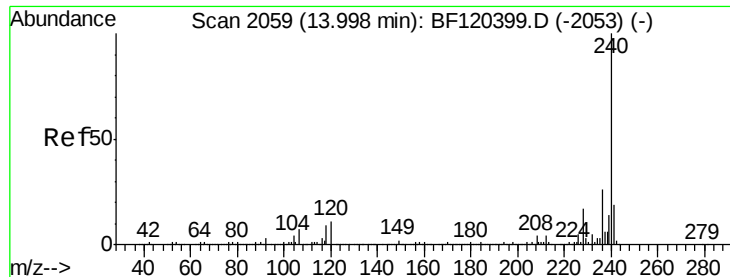


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF120518.D

Acq: 3 Jun 2020 19:15

Instrument :

BNA_F

ClientSampleId :

NM21-COMP-2020-0-6

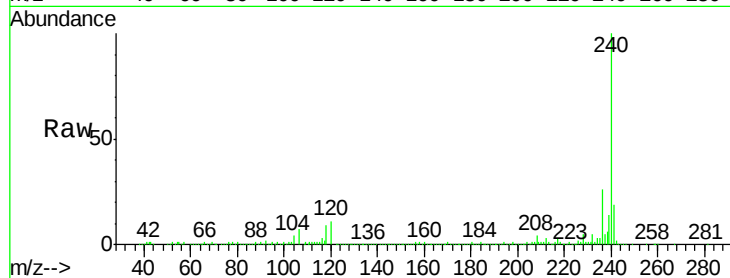
Tot Ion:240 Resp: 421331

Ion Ratio Lower Upper

240 100

120 10.5 7.9 11.9

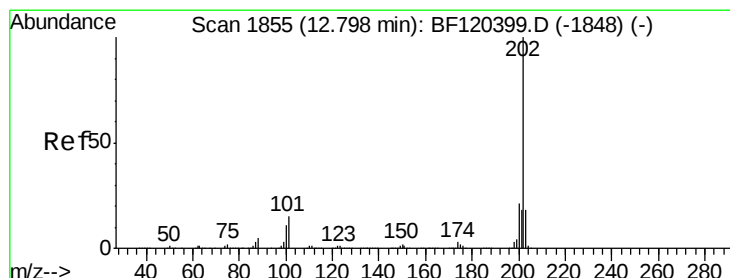
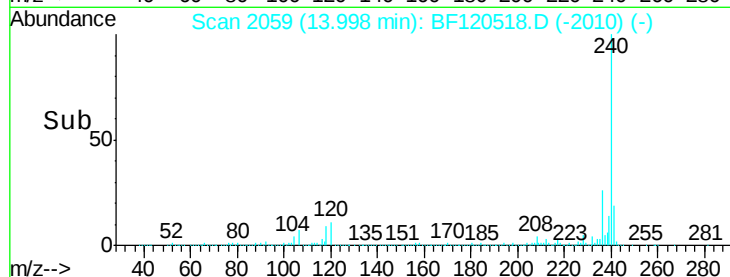
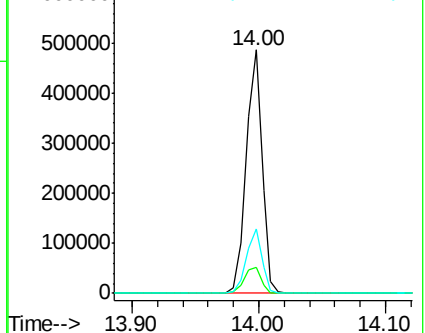
236 26.3 21.1 31.7



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

Pyrene

Concen: 10.171 ng

RT: 12.80 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF120518.D

Acq: 3 Jun 2020 19:15

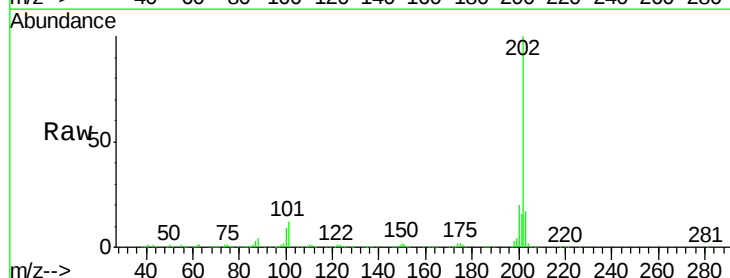
Tgt Ion:202 Resp: 298025

Ion Ratio Lower Upper

202 100

200 19.6 17.3 25.9

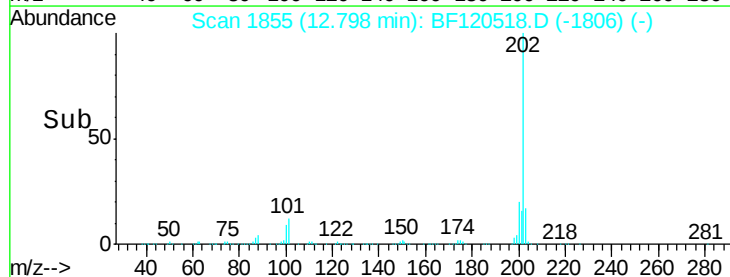
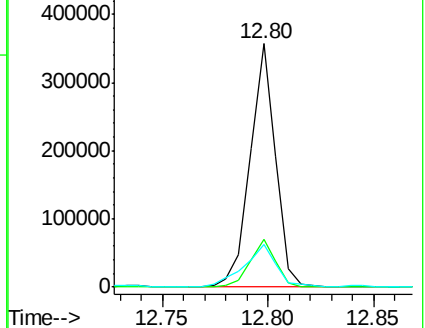
203 17.4 14.5 21.7

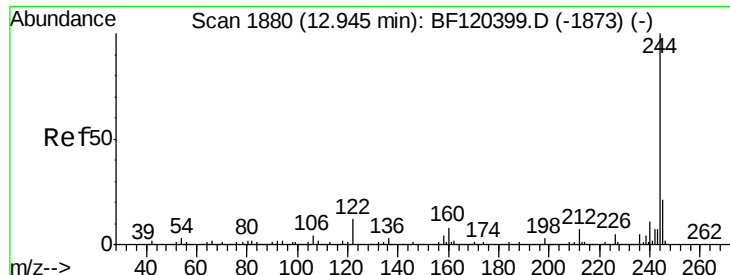


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 59.038 ng

RT: 12.94 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BF120518.D

Acq: 3 Jun 2020 19:15

Instrument :

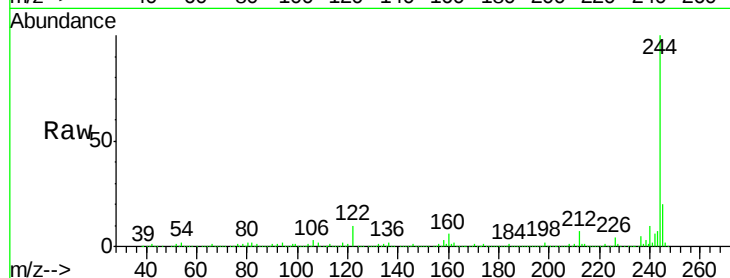
BNA_F

ClientSampleId :

NM21-COMP-2020-0-6

Tot Ion:244 Resp: 1117844

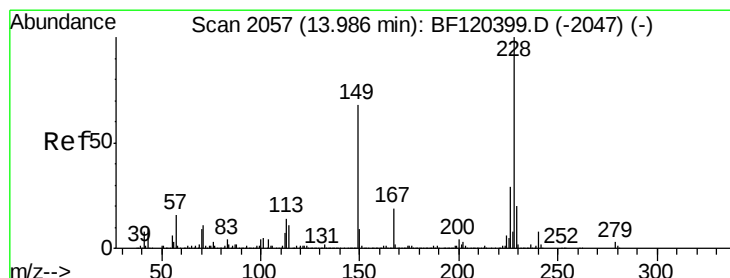
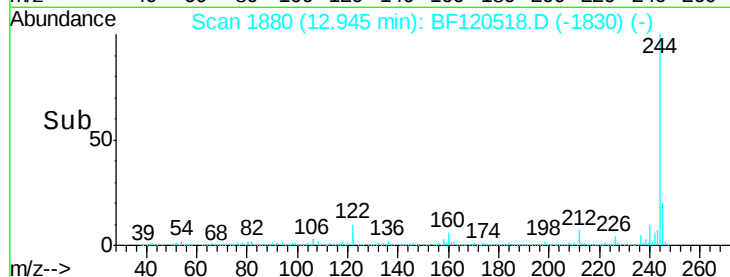
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.8
122	10.3	8.2	12.4



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: 7.390 ng

RT: 13.99 min Scan# 2057

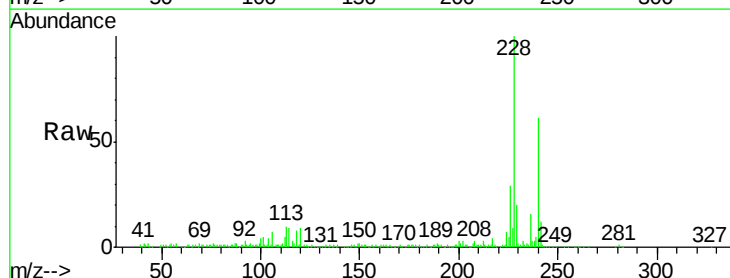
Delta R.T. -0.01 min

Lab File: BF120518.D

Acq: 3 Jun 2020 19:15

Tgt Ion:228 Resp: 166882

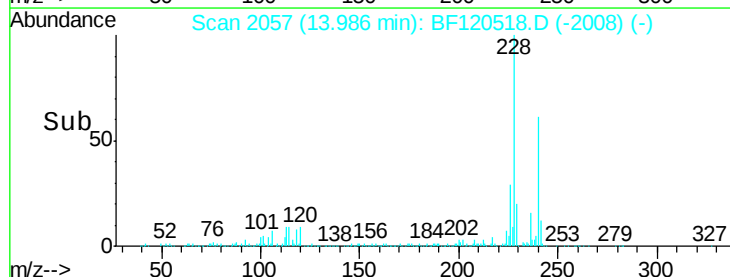
Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.7	34.1
229	20.4	16.3	24.5

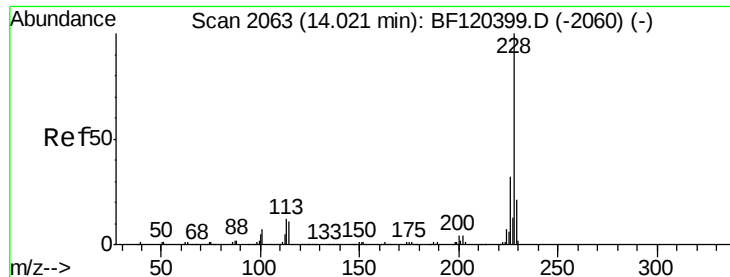


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.917 ng

RT: 14.02 min Scan# 2063

Delta R.T. -0.02 min

Lab File: BF120518.D

Acq: 3 Jun 2020 19:15

Instrument :

BNA_F

ClientSampleId :

NM21-COMP-2020-0-6

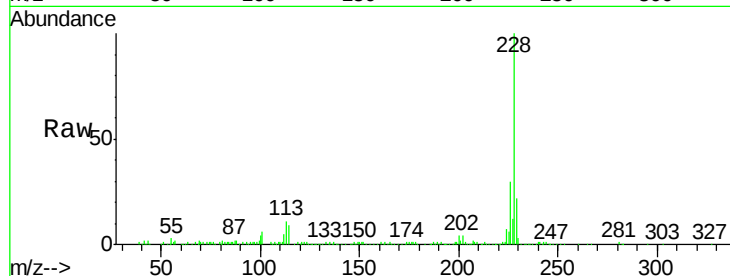
Tot Ion:228 Resp: 140081

Ion Ratio Lower Upper

228 100

226 29.6 25.2 37.8

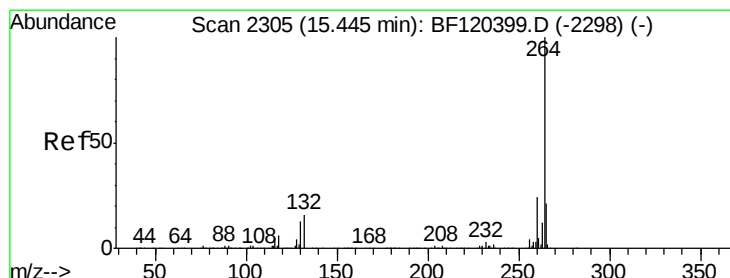
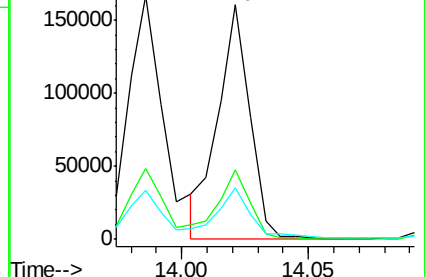
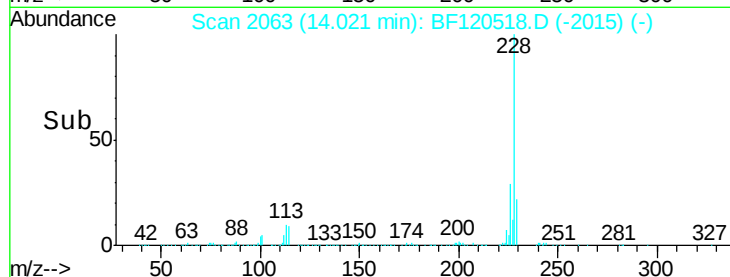
229 22.0 16.1 24.1



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2306

Delta R.T. -0.01 min

Lab File: BF120518.D

Acq: 3 Jun 2020 19:15

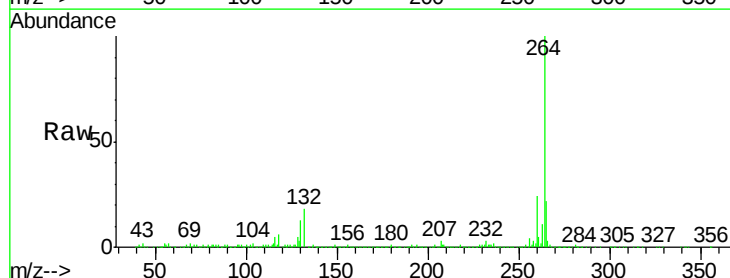
Tgt Ion:264 Resp: 386168

Ion Ratio Lower Upper

264 100

260 23.6 19.8 29.8

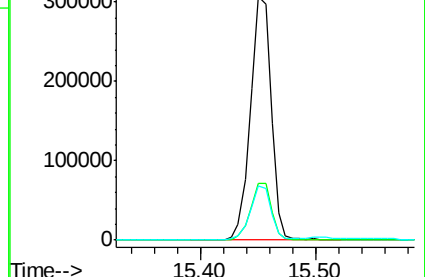
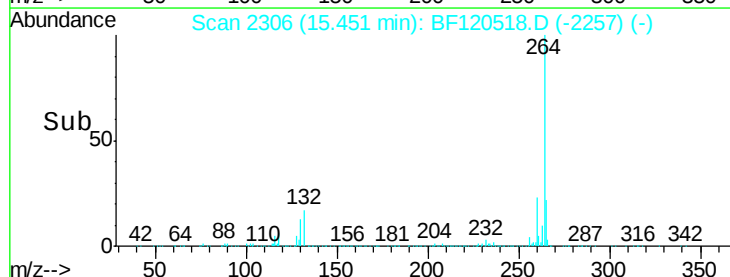
265 22.1 17.5 26.3

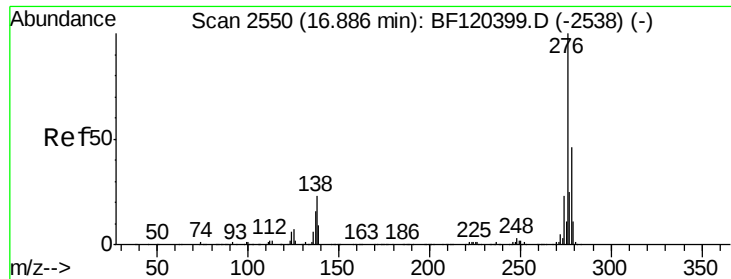


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

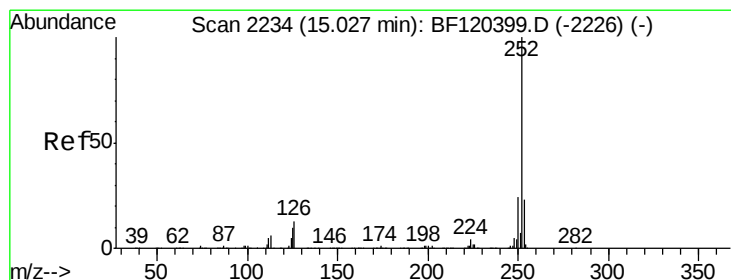
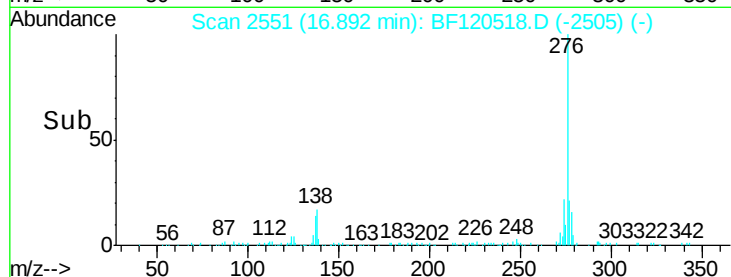
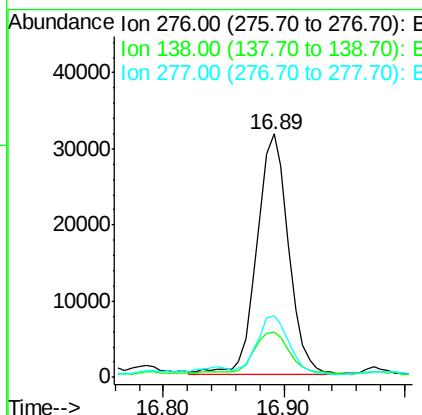
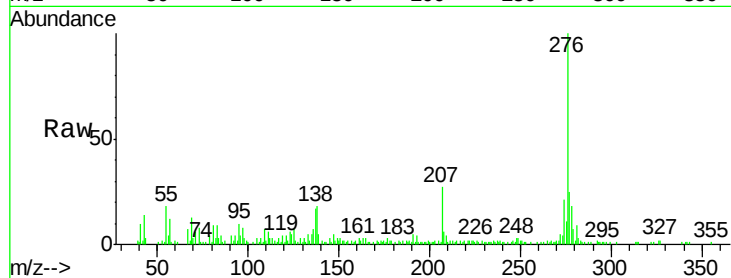




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.755 ng
 RT: 16.89 min Scan# 2551
 Delta R.T. -0.03 min
 Lab File: BF120518.D
 Acq: 3 Jun 2020 19:15

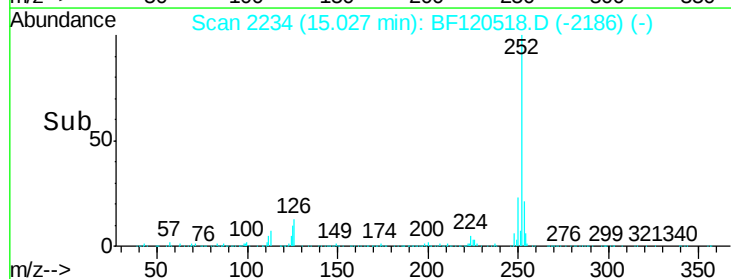
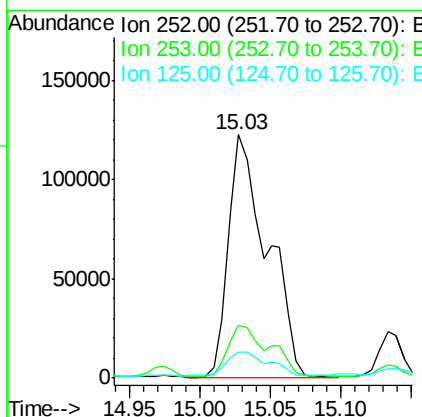
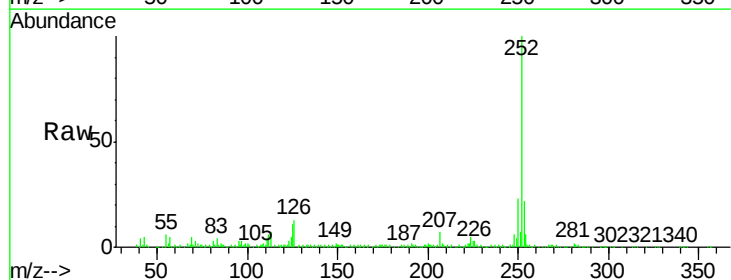
Instrument :
 BNA_F
 ClientSampleId :
 NM21-COMP-2020-0-6

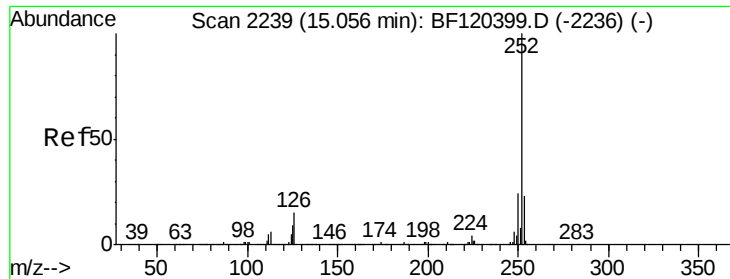
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.6	19.2	28.8
277	25.1	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 10.976 ng
 RT: 15.03 min Scan# 2234
 Delta R.T. -0.02 min
 Lab File: BF120518.D
 Acq: 3 Jun 2020 19:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.2
125	10.6	7.6	11.4

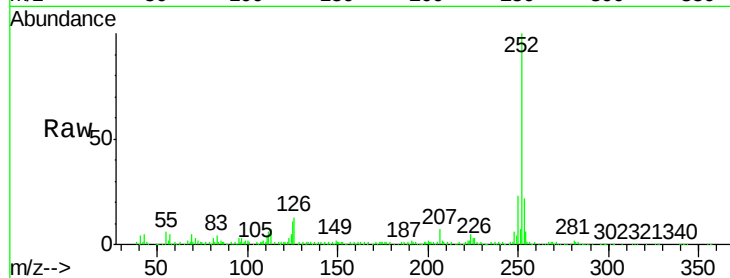




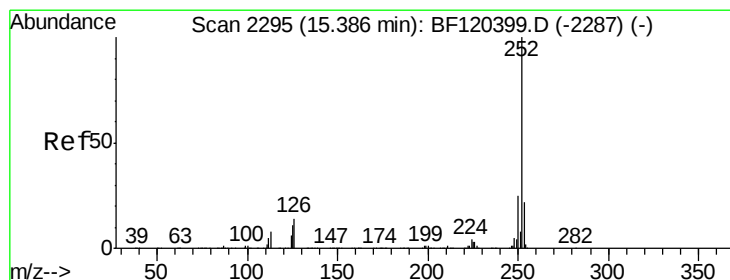
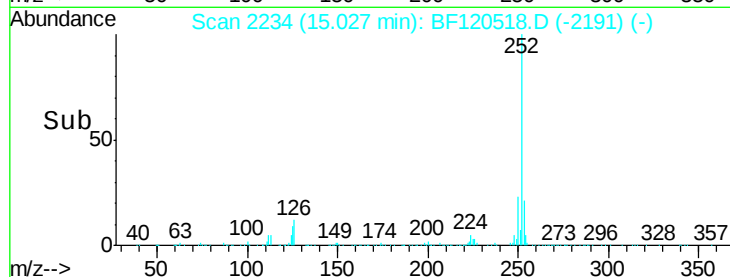
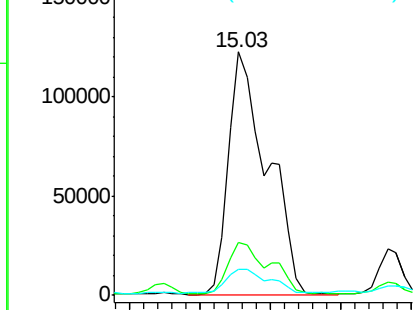
#89
Benzo(k)fluoranthene
Concen: 11.757 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.05 min
Lab File: BF120518.D
Acq: 3 Jun 2020 19:15

Instrument :
BNA_F
ClientSampleId :
NM21-COMP-2020-0-6

Tot Ion:252 Resp: 235418
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 10.6 7.5 11.3

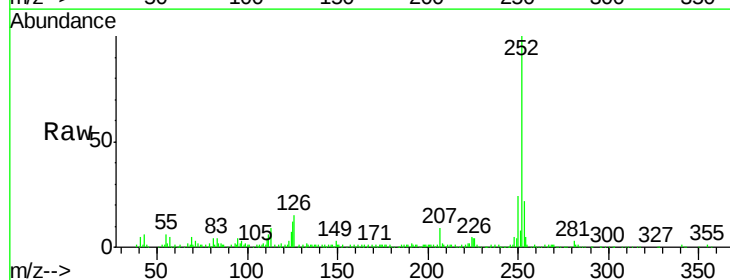


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

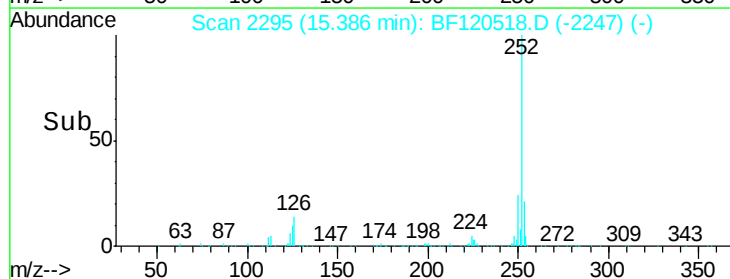
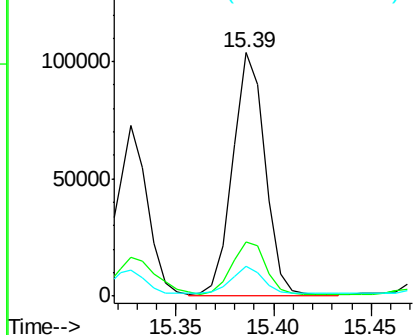


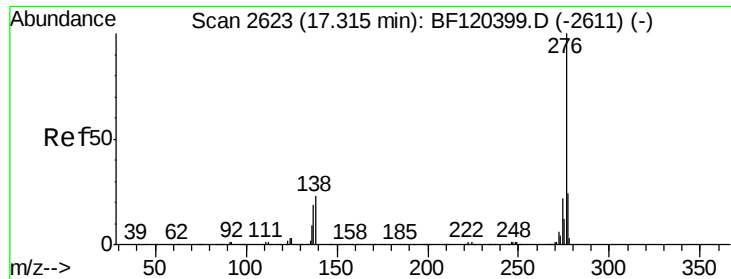
#90
Benzo(a)pyrene
Concen: 6.306 ng
RT: 15.39 min Scan# 2295
Delta R.T. -0.02 min
Lab File: BF120518.D
Acq: 3 Jun 2020 19:15

Tgt Ion:252 Resp: 118314
Ion Ratio Lower Upper
252 100
253 22.2 18.0 27.0
125 12.3 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(a,h,i)perylene
 Concen: 3.573 ng
 RT: 17.33 min Scan# 2625
 Delta R.T. -0.04 min
 Lab File: BF120518.D
 Acq: 3 Jun 2020 19:15

Instrument :
 BNA_F
 ClientSampleId :
 NM21-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.4	29.2
138	24.4	16.6	25.0

