

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
 Data File : BF120527.D
 Acq On : 3 Jun 2020 23:22
 Operator : JU/CG
 Sample : L2839-07 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM7-COMP-2020-0-6

Quant Time: Jun 04 00:44:59 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	134042	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	499982	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	293221	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	486890	20.00	ng	0.00
76) Chrysene-d12	14.00	240	394206	20.00	ng	-0.01
86) Perylene-d12	15.46	264	325586	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	447106	63.57	ng	0.00
7) Phenol-d6	6.47	99	457491	52.77	ng	0.00
23) Nitrobenzene-d5	7.39	82	265399	34.72	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	138444	50.96	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	703328	40.70	ng	0.00
79) Terphenyl-d14	12.94	244	478331	27.00	ng	-0.01

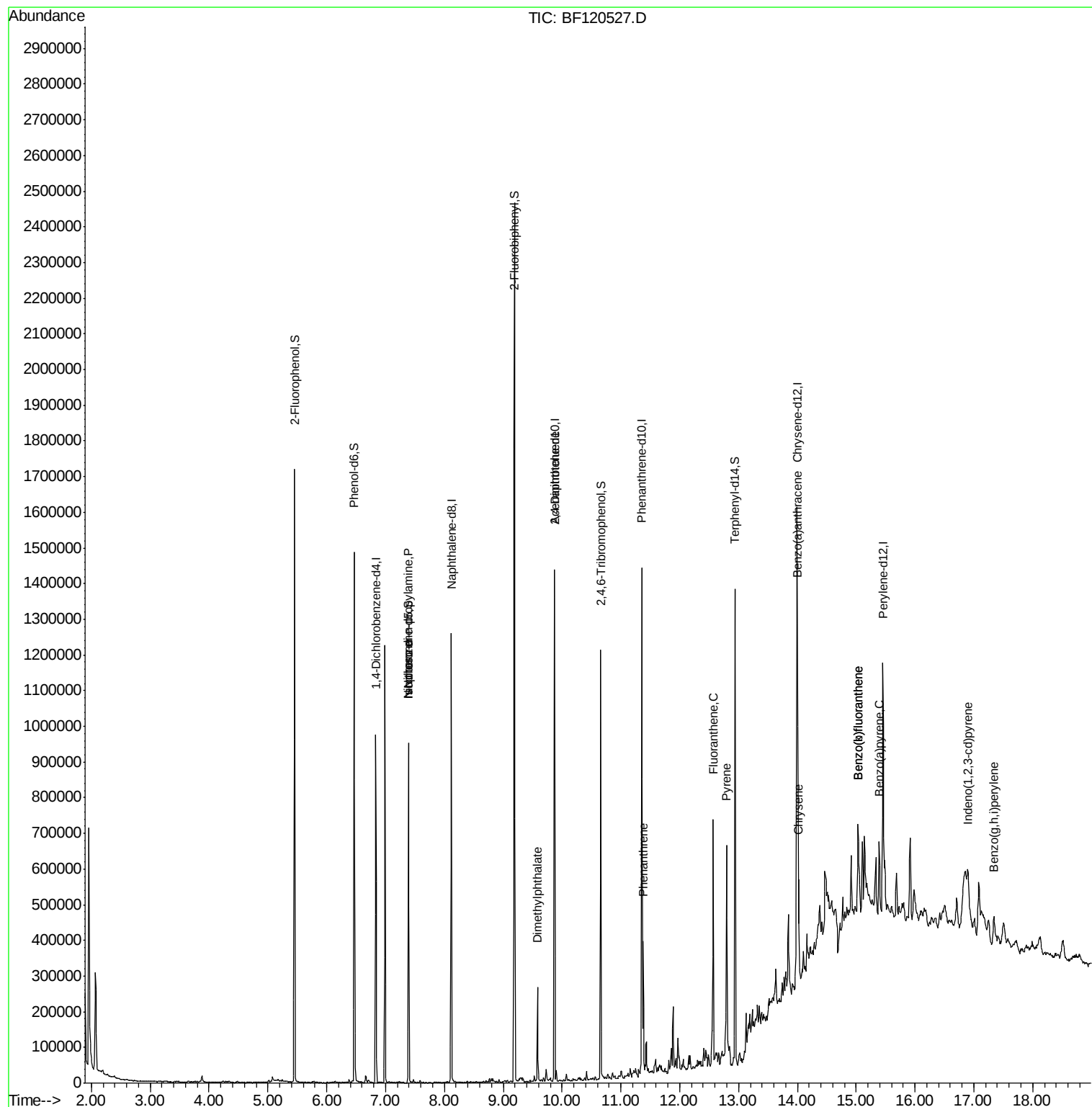
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	34400	6.242	ng	# 78
25) Isophorone	7.39	82	263635	17.161	ng	# 64
50) Dimethylphthalate	9.59	163	106134	5.790	ng	98
57) 2,4-Dinitrotoluene	9.87	165	37937	7.276	ng	# 26
71) Phenanthrene	11.38	178	117474	5.476	ng	97
75) Fluoranthene	12.57	202	250864	10.867	ng	98
78) Pyrene	12.80	202	232660	8.487	ng	98
81) Benzo(a)anthracene	13.99	228	139986	6.626	ng	98
83) Chrysene	14.02	228	115776	5.227	ng	97
87) Indeno(1,2,3-cd)pyrene	16.90	276	60007	3.370	ng	99
88) Benzo(b)fluoranthene	15.03	252	185727	10.270	ng	# 97
89) Benzo(k)fluoranthene	15.03	252	185727	11.001	ng	# 96
90) Benzo(a)pyrene	15.39	252	96970	6.130	ng	96
92) Benzo(a,h,i)perylene	17.34	276	59632	4.164	ng	95

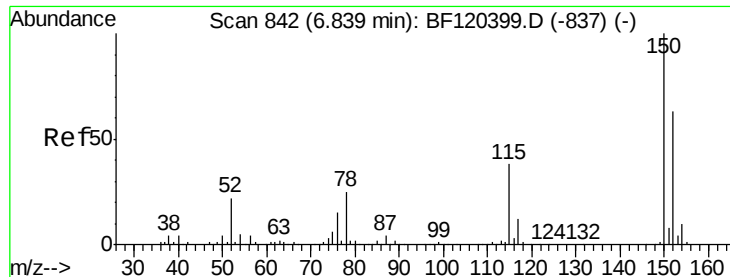
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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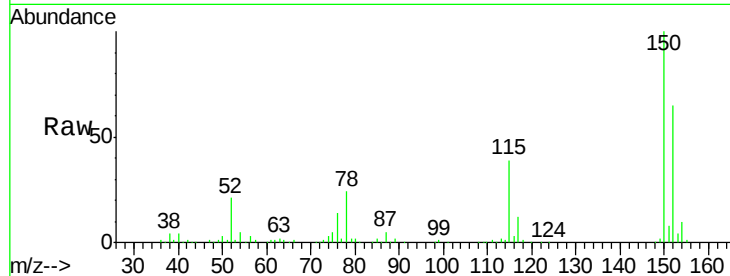


#1

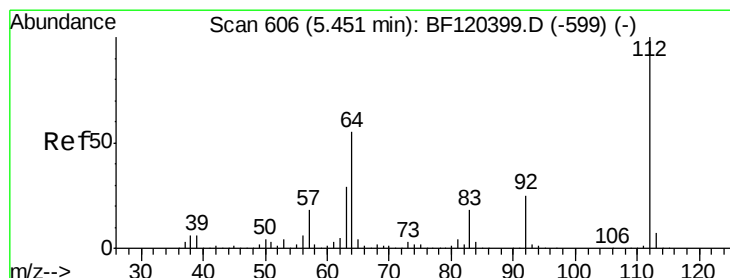
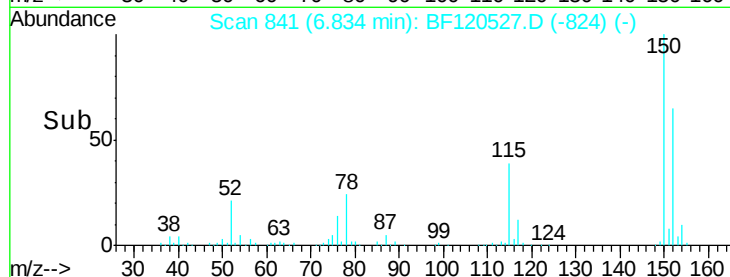
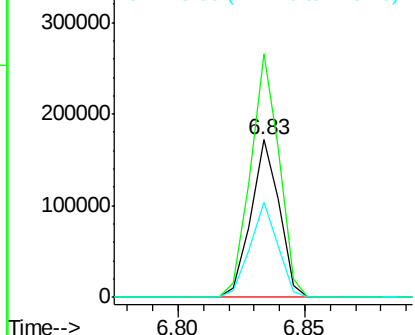
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 841
Delta R.T. 0.00 min
Lab File: BF120527.D
Acq: 3 Jun 2020 23:22

Instrument :
BNA_F
ClientSampleId :
NM7-COMP-2020-0-6

Tot Ion:152 Resp: 134042
Ion Ratio Lower Upper
152 100
150 154.3 127.1 190.7
115 60.6 48.7 73.1



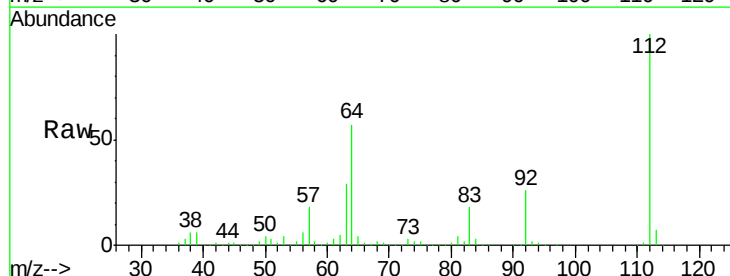
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



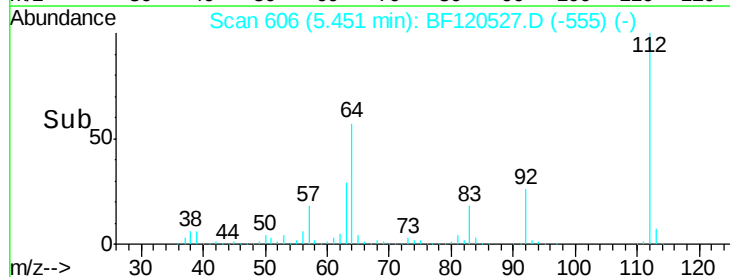
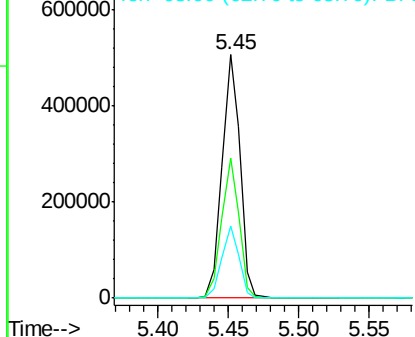
#5

2-Fluorophenol
Concen: 63.567 ng
RT: 5.45 min Scan# 606
Delta R.T. 0.00 min
Lab File: BF120527.D
Acq: 3 Jun 2020 23:22

Tgt Ion:112 Resp: 447106
Ion Ratio Lower Upper
112 100
64 57.4 45.8 68.8
63 29.4 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: 52.771 ng

RT: 6.47 min Scan# 779

Delta R.T. -0.01 min

Lab File: BF120527.D

Acq: 3 Jun 2020 23:22

Instrument :

BNA_F

ClientSampleId :

NM7-COMP-2020-0-6

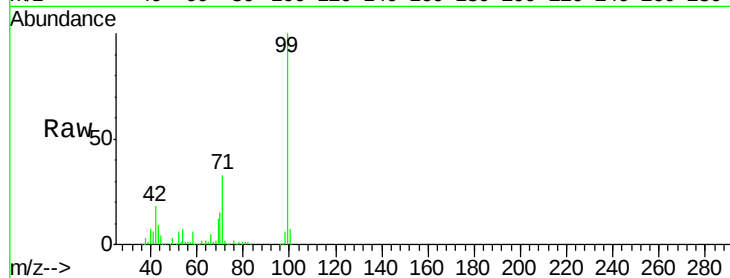
Tot Ion: 99 Resp: 457491

Ion Ratio Lower Upper

99 100

42 18.3 15.0 22.4

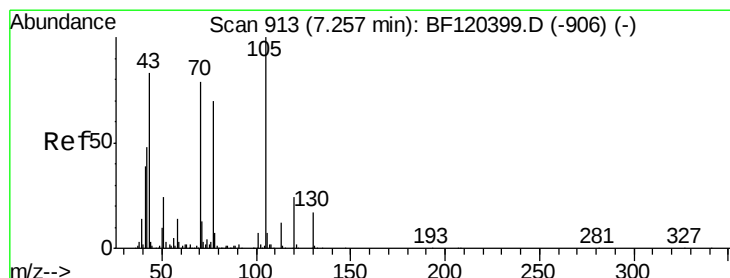
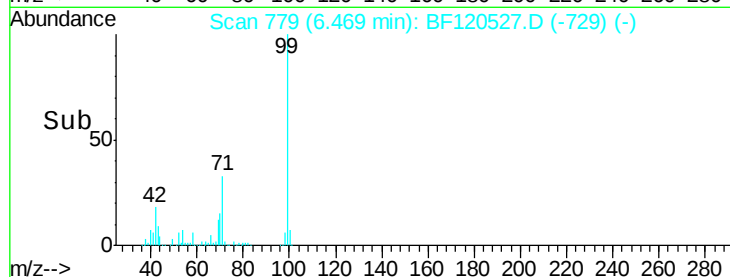
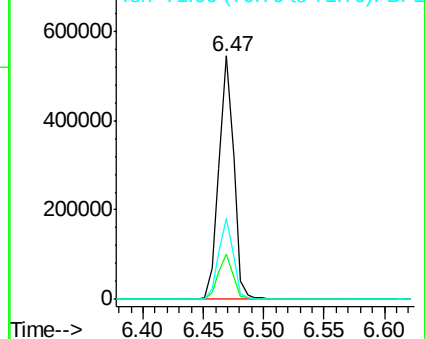
71 33.2 26.3 39.5



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: 6.242 ng

RT: 7.39 min Scan# 936

Delta R.T. 0.14 min

Lab File: BF120527.D

Acq: 3 Jun 2020 23:22

Tgt Ion: 70 Resp: 34400

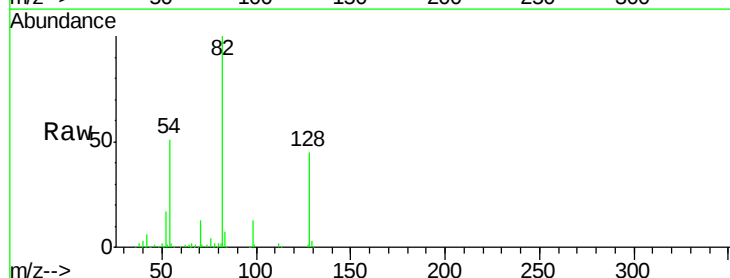
Ion Ratio Lower Upper

70 100

42 47.8 47.6 71.4

101 0.0 7.4 11.0#

130 2.7 17.1 25.7#

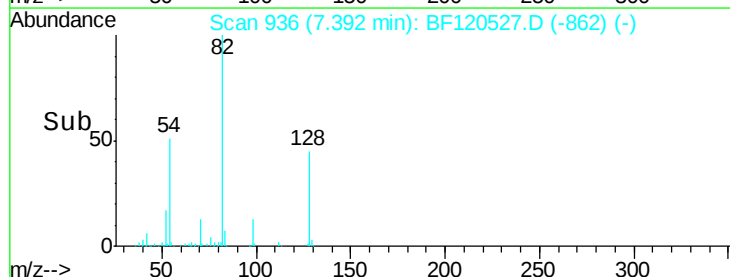
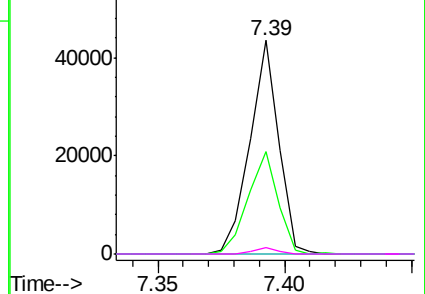


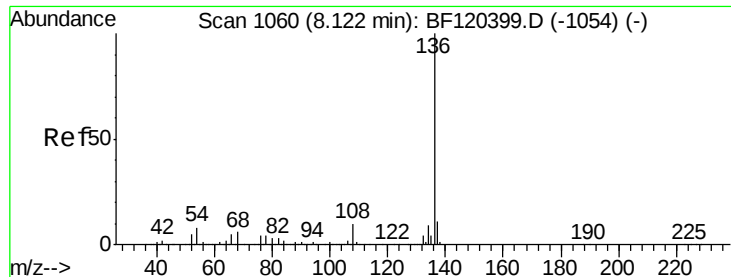
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

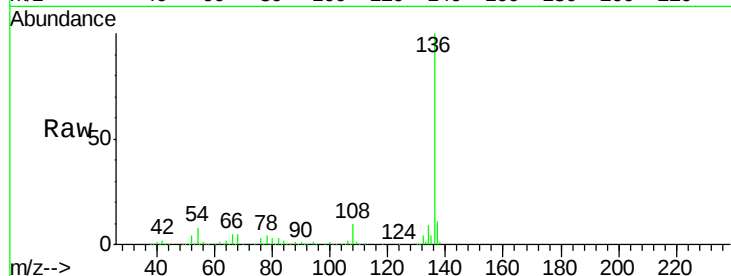




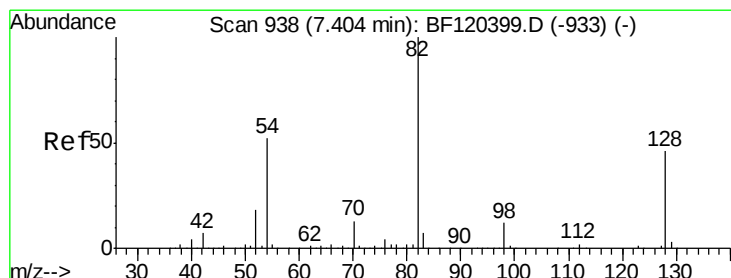
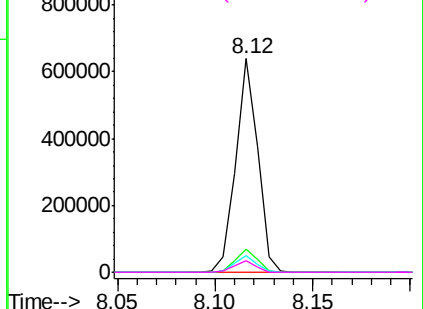
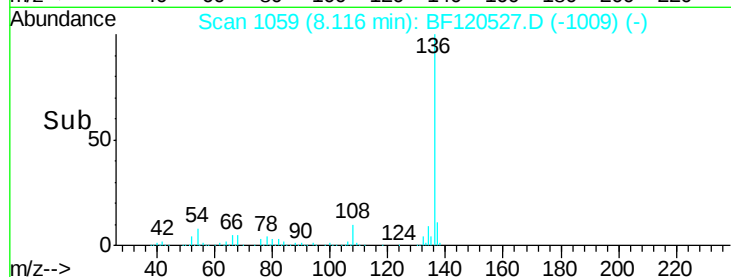
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BF120527.D
Acq: 3 Jun 2020 23:22

Instrument :
BNA_F
ClientSampleId :
NM7-COMP-2020-0-6

Tot Ion:136	Resp:	499982
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.0 13.4
54	7.6	6.0 9.0
68	5.2	4.8 7.2

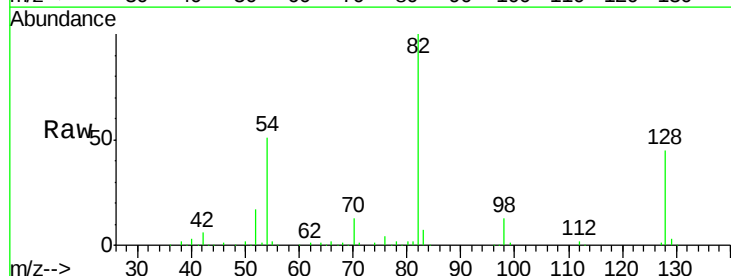


Abundance Ion 136.00 (135.70 to 136.70): E
1000000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

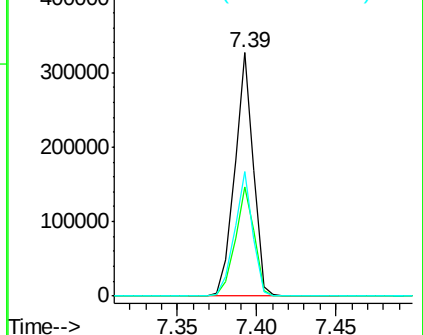
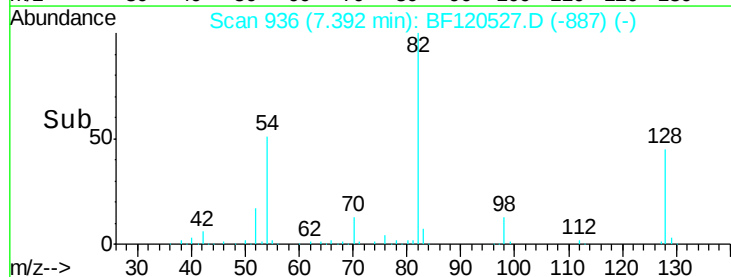


#23
Nitrobenzene-d5
Concen: 34.722 ng
RT: 7.39 min Scan# 936
Delta R.T. -0.01 min
Lab File: BF120527.D
Acq: 3 Jun 2020 23:22

Tgt Ion: 82	Resp:	265399
Ion Ratio	Lower	Upper
82	100	
128	44.8	37.4 56.0
54	50.9	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: 17.161 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.27 min

Lab File: BF120527.D

Acq: 3 Jun 2020 23:22

Instrument :

BNA_F

ClientSampleId :

NM7-COMP-2020-0-6

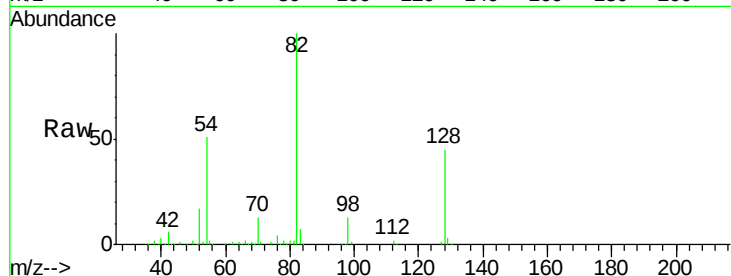
Tot Ion: 82 Resp: 263635

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

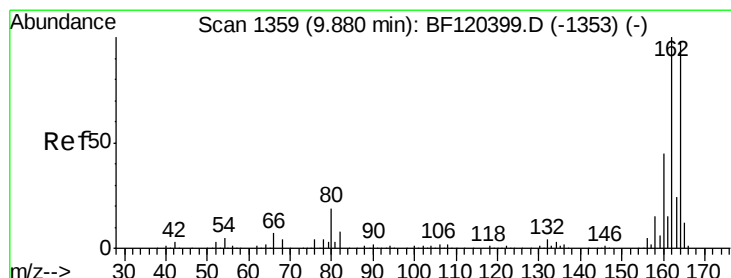
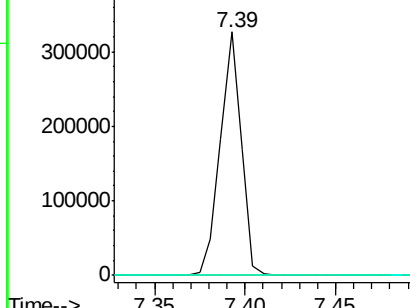
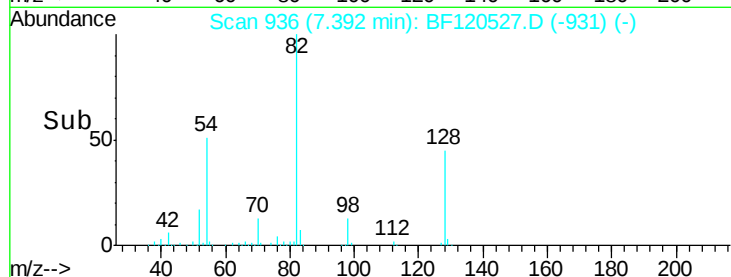
138 0.0 15.0 22.6#



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: BF120527.D

Acq: 3 Jun 2020 23:22

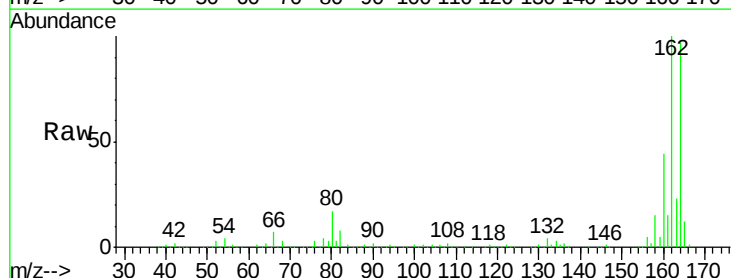
Tgt Ion:164 Resp: 293221

Ion Ratio Lower Upper

164 100

162 103.3 81.8 122.6

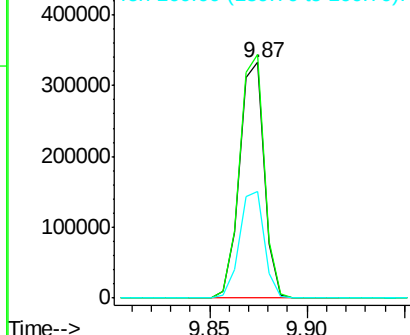
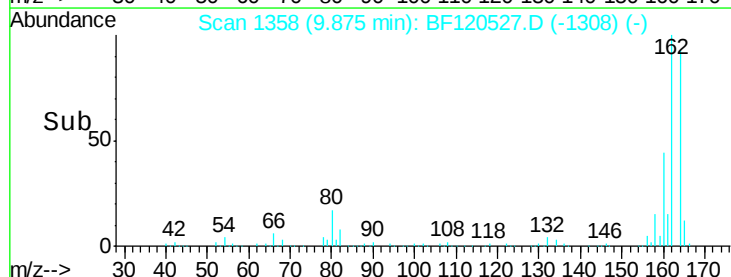
160 45.5 37.3 55.9



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

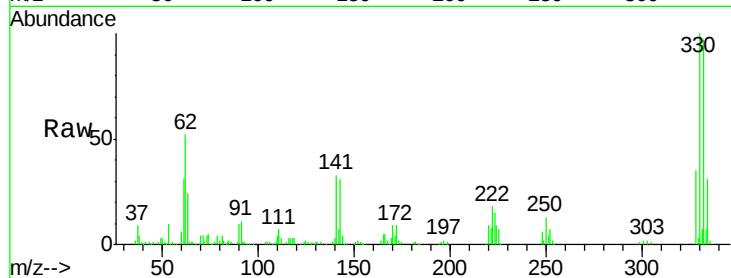




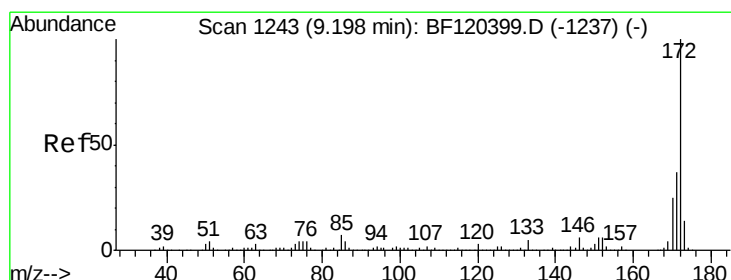
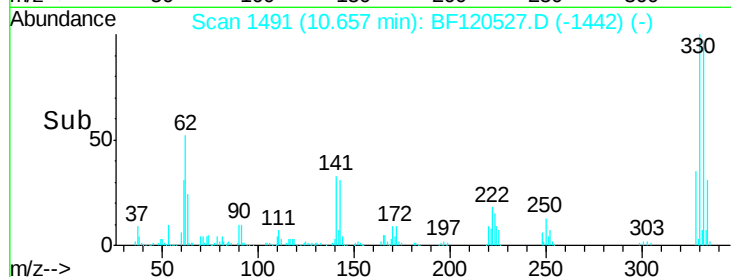
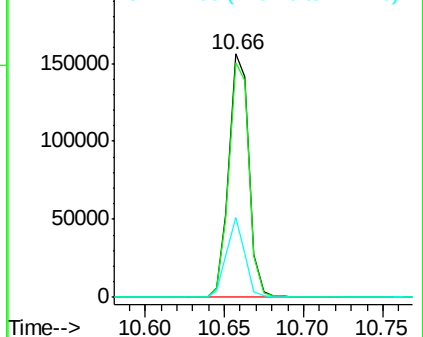
#42
 2,4,6-Tribromophenol
 Concen: 50.958 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120527.D
 Acq: 3 Jun 2020 23:22

Instrument :
 BNA_F
 ClientSampleId :
 NM7-COMP-2020-0-6

Tot Ion:330 Resp: 138444
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.4 116.2
 141 29.5 23.5 35.3

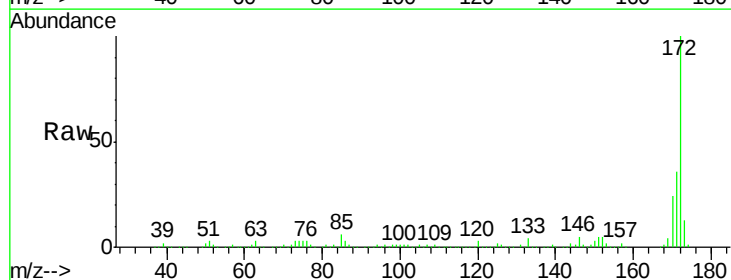


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

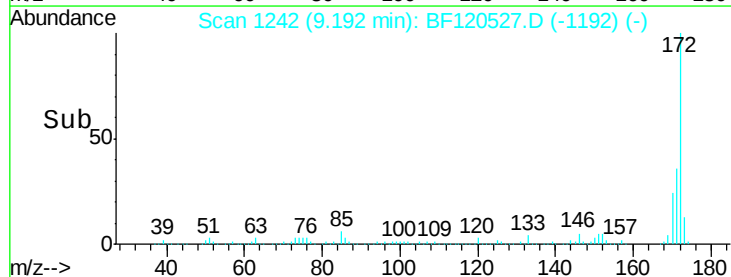
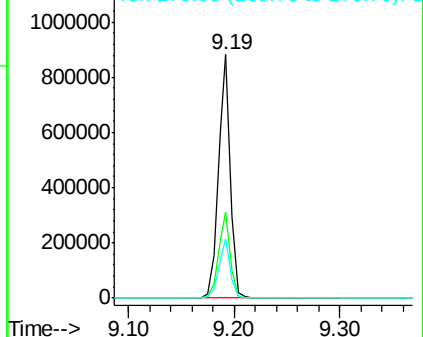


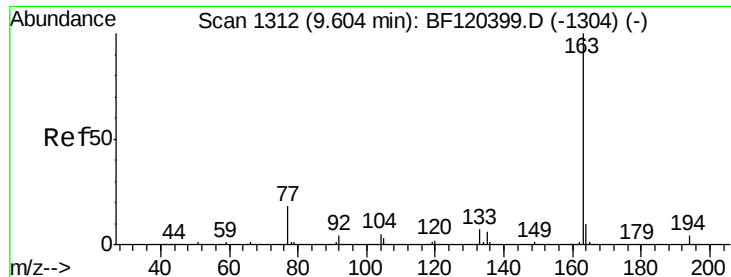
#45
 2-Fluorobiphenyl
 Concen: 40.697 ng
 RT: 9.19 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF120527.D
 Acq: 3 Jun 2020 23:22

Tgt Ion:172 Resp: 703328
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.2 43.8
 170 24.2 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: 5.790 ng

RT: 9.59 min Scan# 1309

Delta R.T. -0.02 min

Lab File: BF120527.D

Acq: 3 Jun 2020 23:22

Instrument :

BNA_F

ClientSampleId :

NM7-COMP-2020-0-6

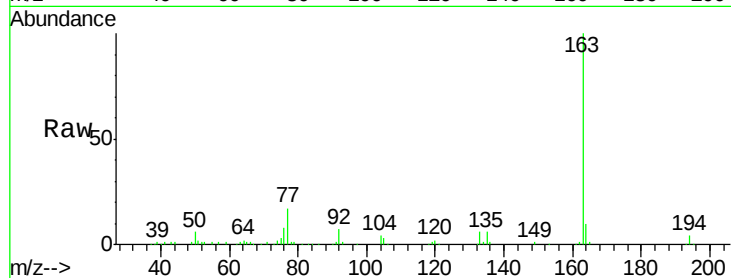
Tot Ion:163 Resp: 106134

Ion Ratio Lower Upper

163 100

194 4.4 3.1 4.7

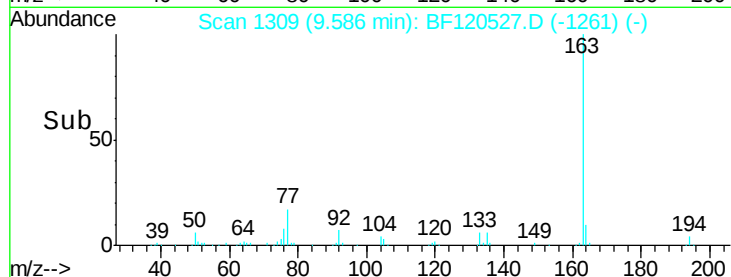
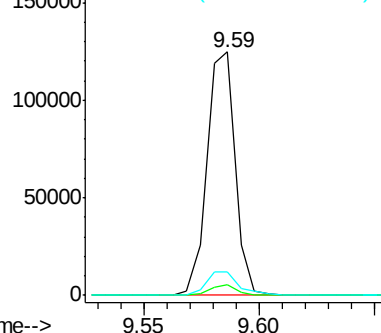
164 9.7 8.2 12.4



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: 7.276 ng

RT: 9.87 min Scan# 1358

Delta R.T. -0.19 min

Lab File: BF120527.D

Acq: 3 Jun 2020 23:22

Tgt Ion:165 Resp: 37937

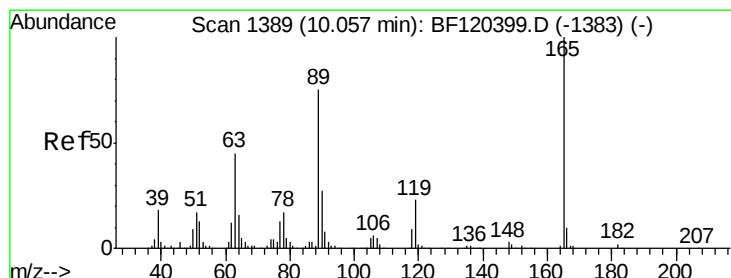
Ion Ratio Lower Upper

165 100

63 1.0 33.4 50.0#

89 1.3 54.7 82.1#

182 0.0 2.1 3.1#

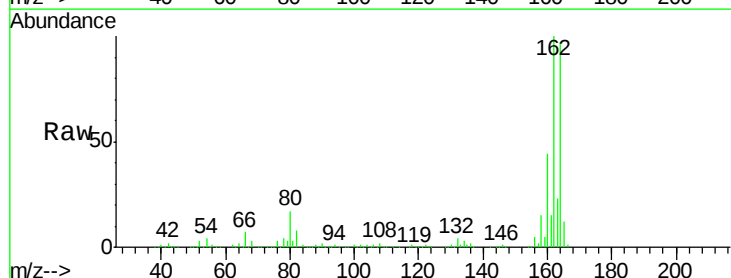
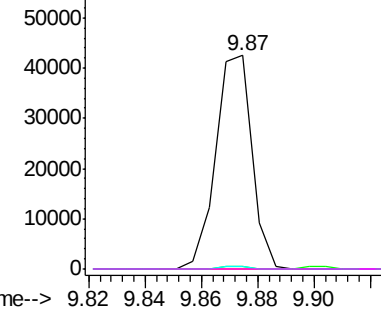


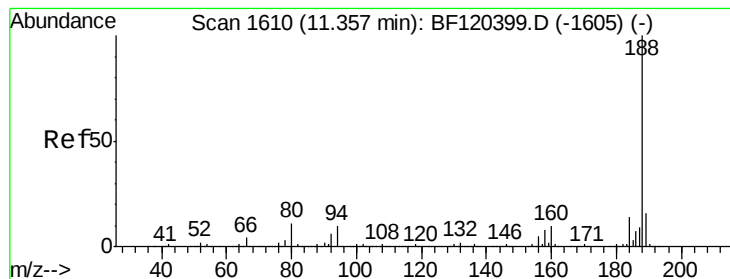
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF120527.D

Acq: 3 Jun 2020 23:22

Instrument :

BNA_F

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NM7-COMP-2020-0-6

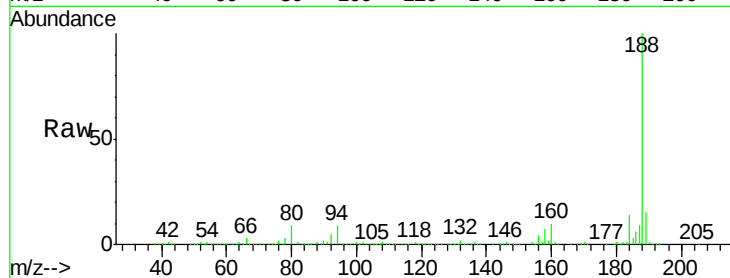
Tot Ion:188 Resp: 486890

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.5	11.3
80	9.2	7.9	11.9

188 100

94 9.0 7.5 11.3

80 9.2 7.9 11.9



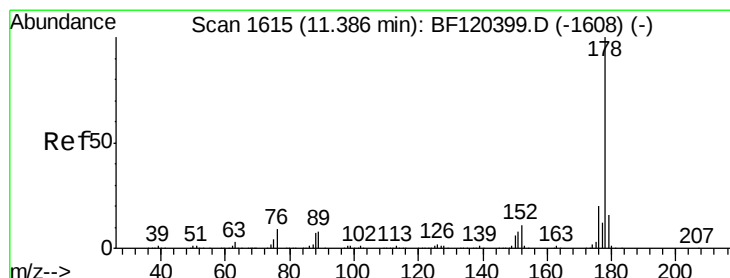
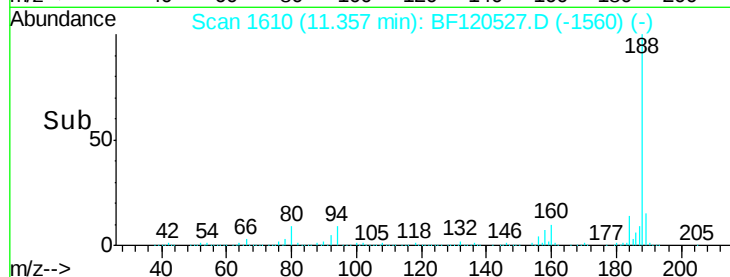
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

11.36

Time--> 11.30 11.35 11.40



#71

Phenanthrene

Concen: 5.476 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120527.D

Acq: 3 Jun 2020 23:22

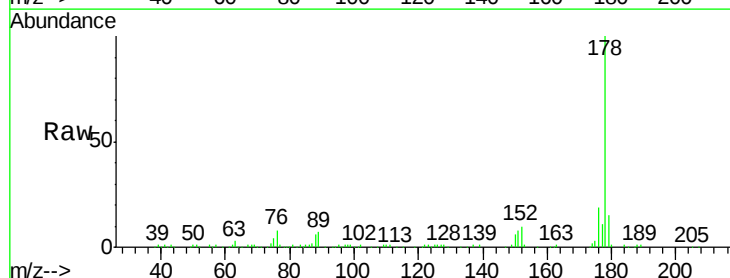
Tgt Ion:178 Resp: 117474

Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.6	24.8
179	15.5	13.0	19.4

178 100

176 18.9 16.6 24.8

179 15.5 13.0 19.4



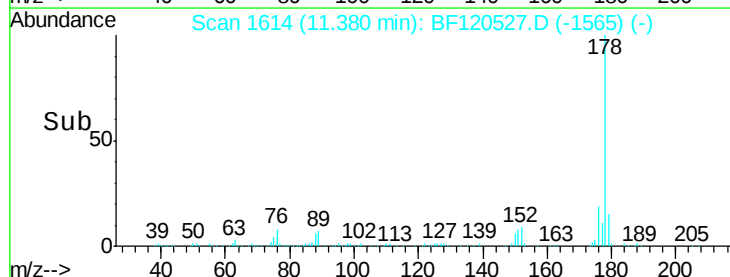
Abundance Ion 178.00 (177.70 to 178.70): E

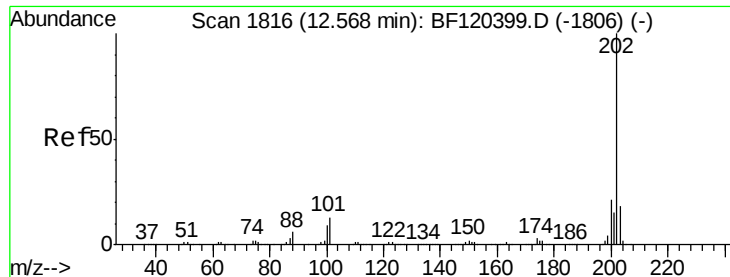
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

11.38

Time--> 11.35 11.40





#75

Fluoranthene

Concen: 10.867 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120527.D

Acq: 3 Jun 2020 23:22

Instrument :

BNA_F

ClientSampleId :

NM7-COMP-2020-0-6

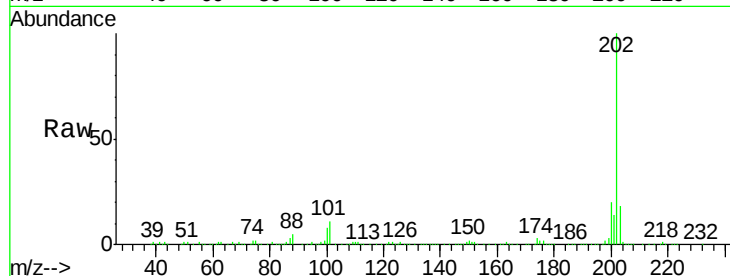
Tot Ion:202 Resp: 250864

Ion Ratio Lower Upper

202 100

101 11.4 0.0 30.4

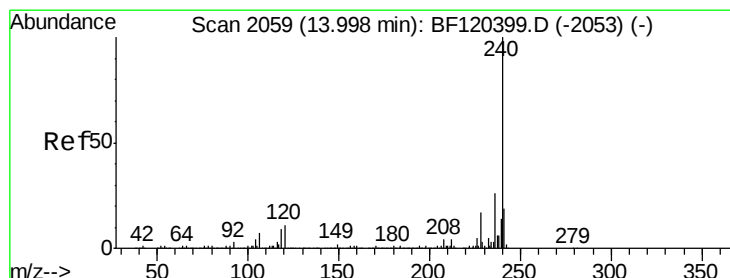
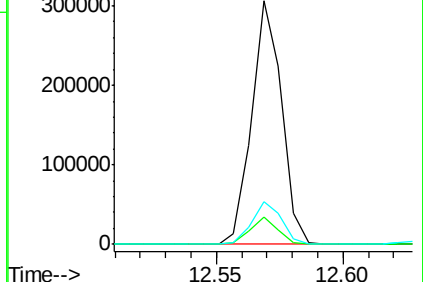
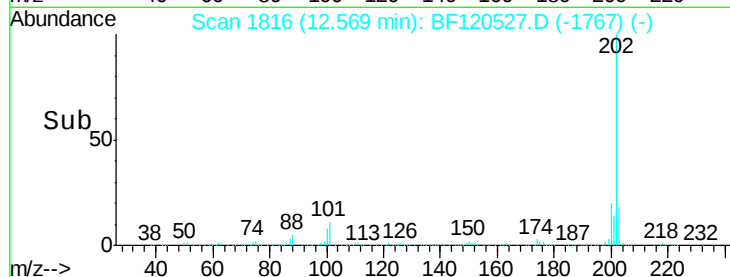
203 17.7 0.0 38.2



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: BF120527.D

Acq: 3 Jun 2020 23:22

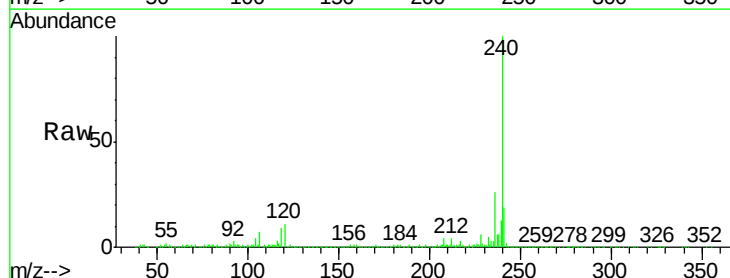
Tgt Ion:240 Resp: 394206

Ion Ratio Lower Upper

240 100

120 10.9 7.9 11.9

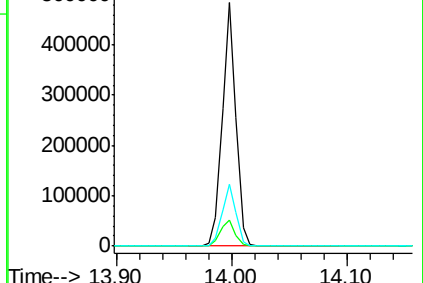
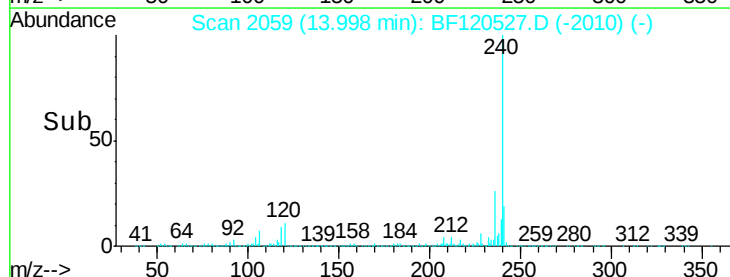
236 25.6 21.1 31.7

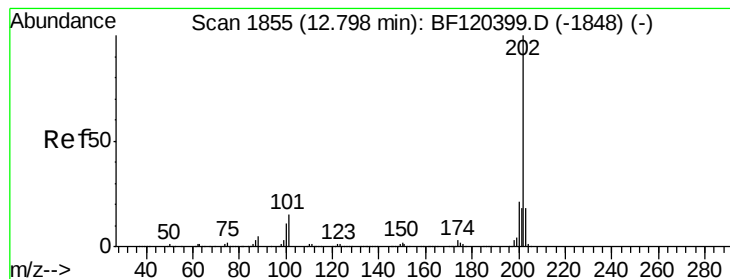


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 8.487 ng

RT: 12.80 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF120527.D

Acq: 3 Jun 2020 23:22

Instrument :

BNA_F

ClientSampleId :

NM7-COMP-2020-0-6

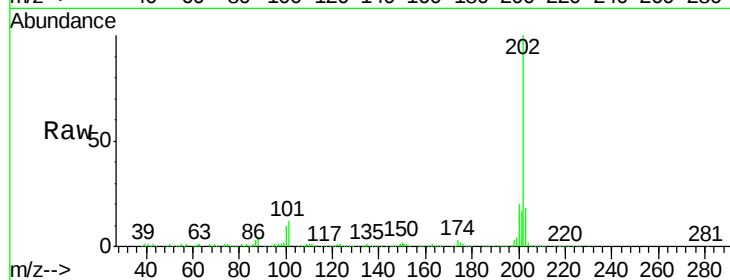
Tot Ion:202 Resp: 232660

Ion Ratio Lower Upper

202 100

200 20.1 17.3 25.9

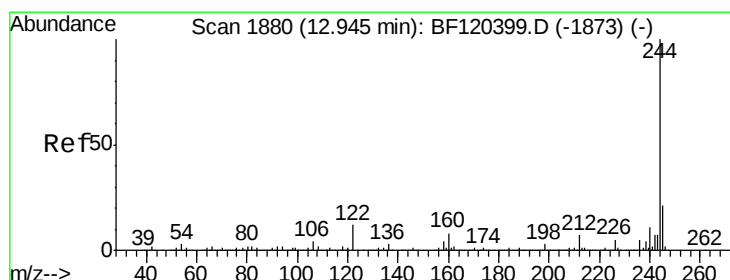
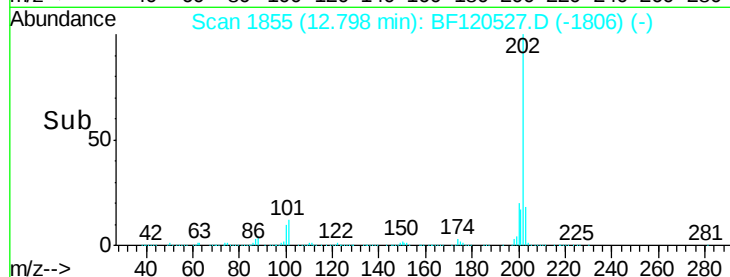
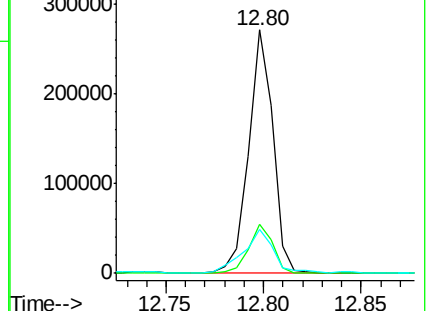
203 17.9 14.5 21.7



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: 27.001 ng

RT: 12.94 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BF120527.D

Acq: 3 Jun 2020 23:22

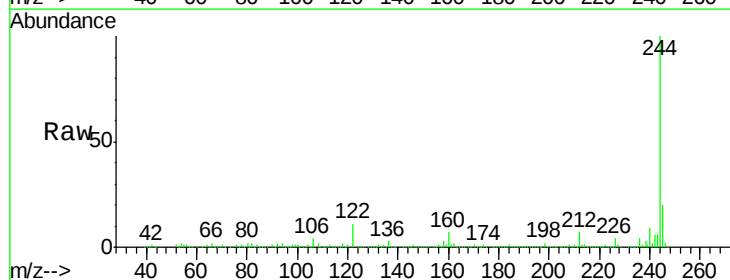
Tgt Ion:244 Resp: 478331

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

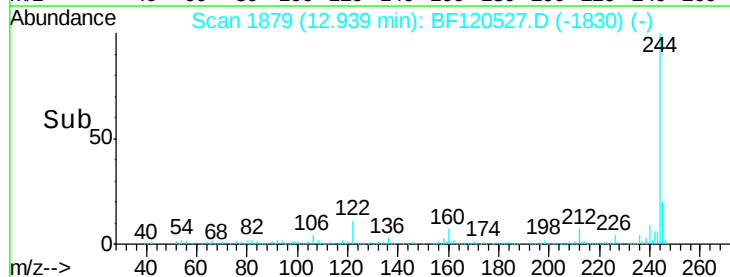
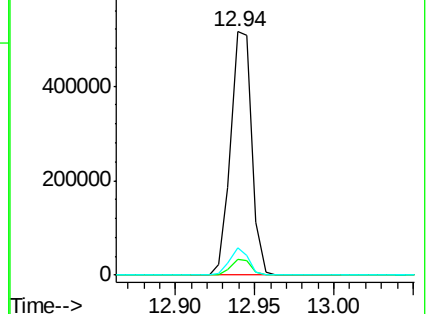
122 11.0 8.2 12.4

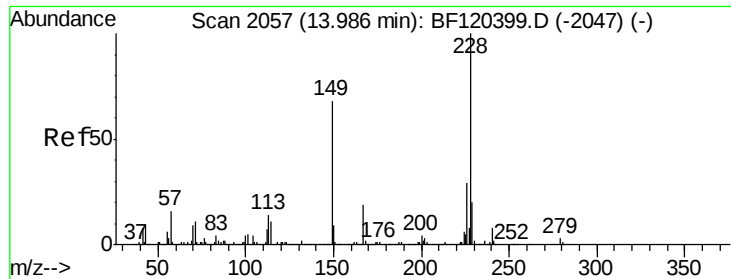


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

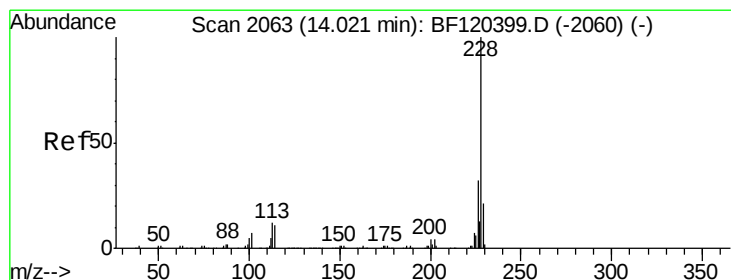
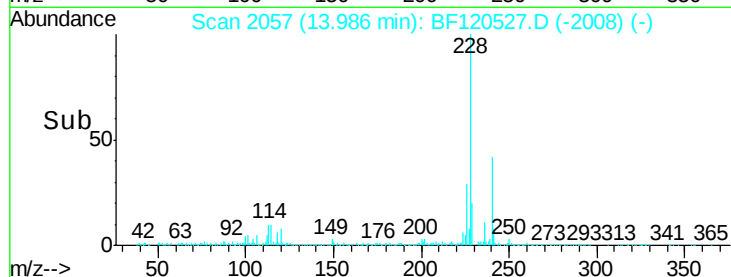
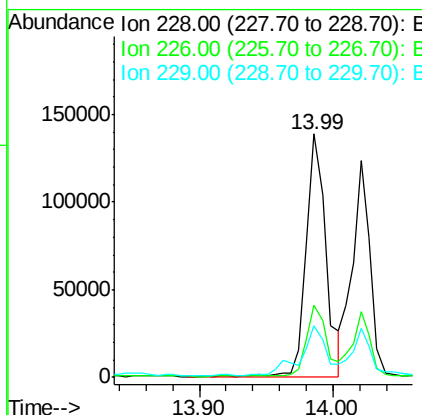
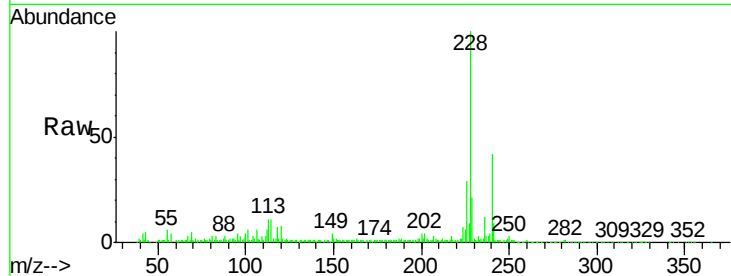




#81
Benzo(a)anthracene
Concen: 6.626 ng
RT: 13.99 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BF120527.D
Acq: 3 Jun 2020 23:22

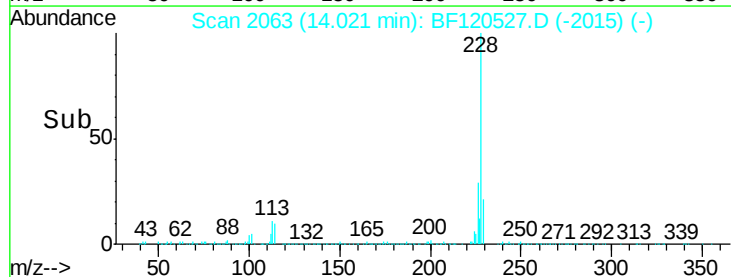
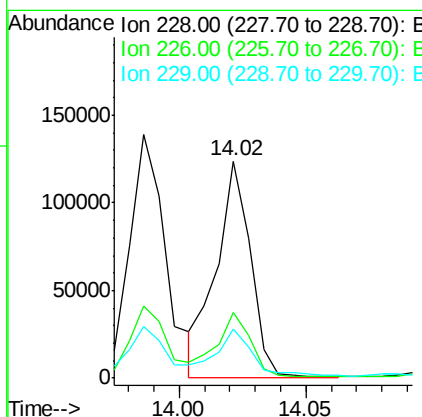
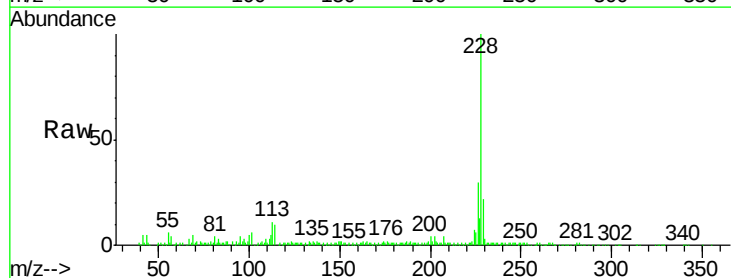
Instrument :
BNA_F
ClientSampleId :
NM7-COMP-2020-0-6

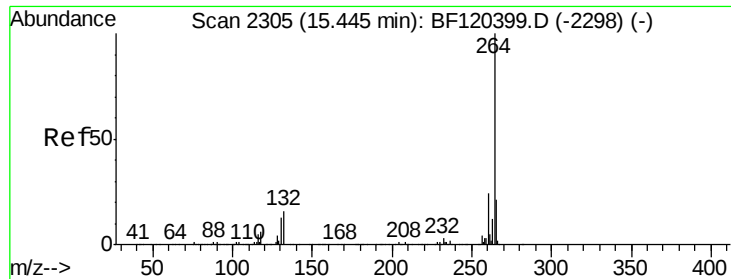
Tot Ion:228 Resp: 139986
Ion Ratio Lower Upper
228 100
226 29.5 22.7 34.1
229 21.0 16.3 24.5



#83
Chrysene
Concen: 5.227 ng
RT: 14.02 min Scan# 2063
Delta R.T. -0.02 min
Lab File: BF120527.D
Acq: 3 Jun 2020 23:22

Tgt Ion:228 Resp: 115776
Ion Ratio Lower Upper
228 100
226 30.1 25.2 37.8
229 22.4 16.1 24.1



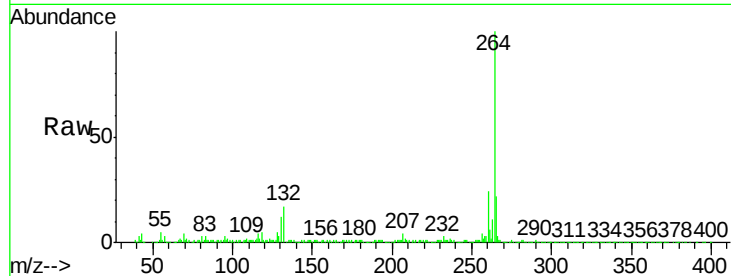


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2307
Delta R.T. -0.01 min
Lab File: BF120527.D
Acq: 3 Jun 2020 23:22

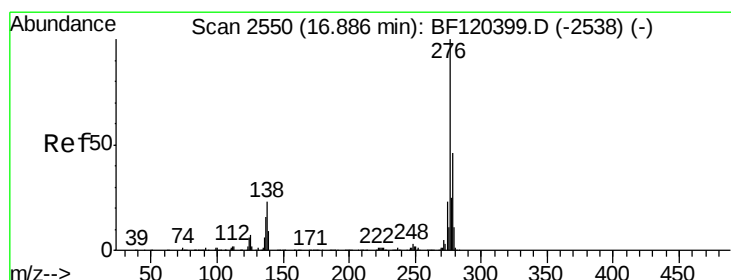
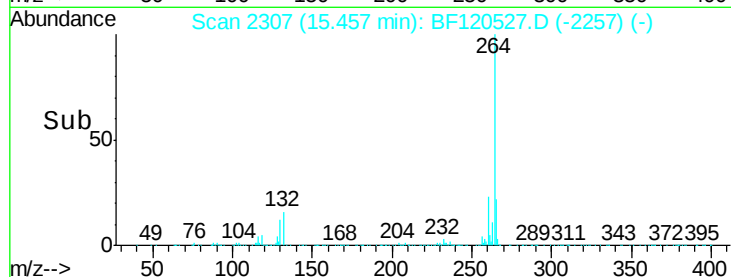
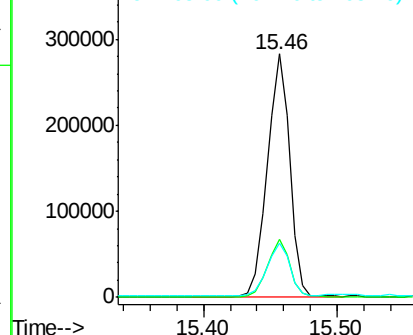
Instrument :
BNA_F
ClientSampleId :
NM7-COMP-2020-0-6

Tot Ion:264 Resp: 325586

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.8	29.8
265	22.3	17.5	26.3



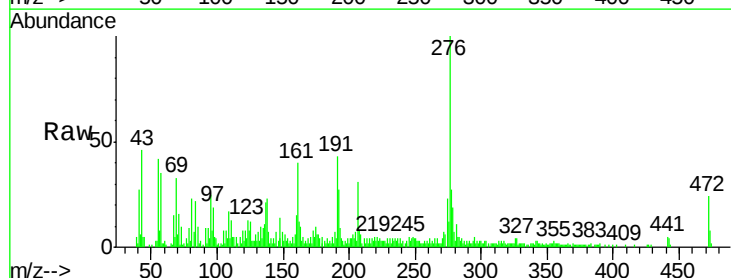
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



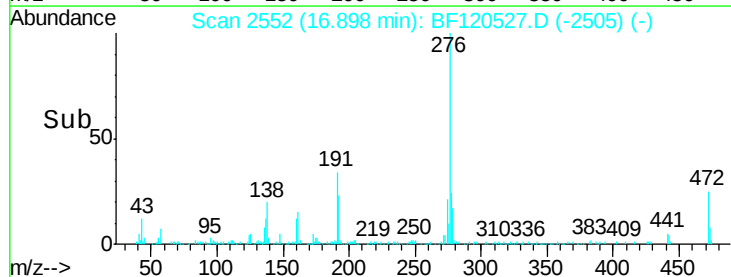
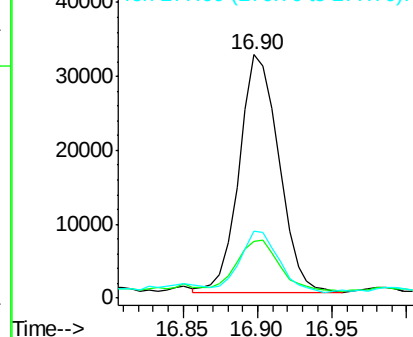
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.370 ng
RT: 16.90 min Scan# 2552
Delta R.T. -0.02 min
Lab File: BF120527.D
Acq: 3 Jun 2020 23:22

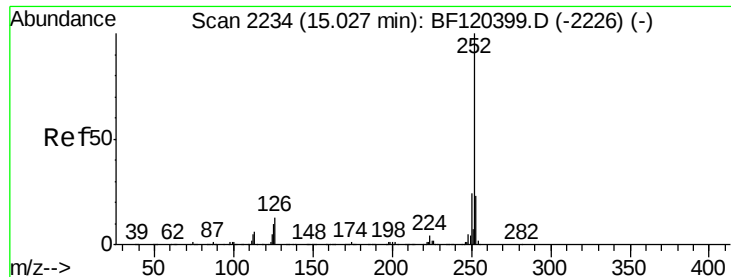
Tgt Ion:276 Resp: 60007

Ion	Ratio	Lower	Upper
276	100		
138	22.6	19.2	28.8
277	25.4	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

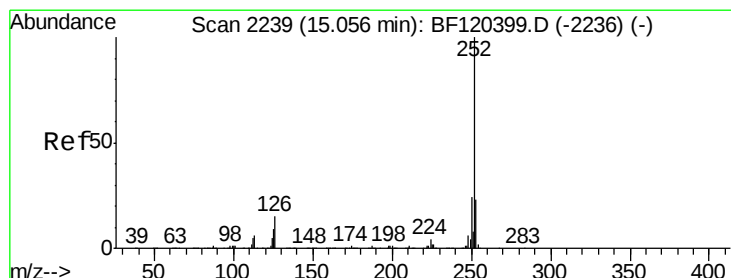
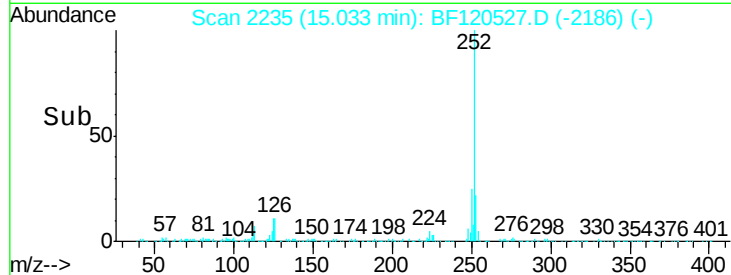
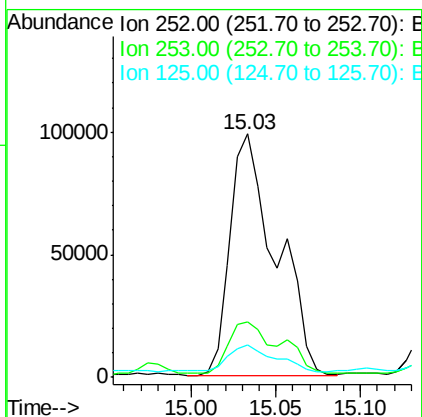
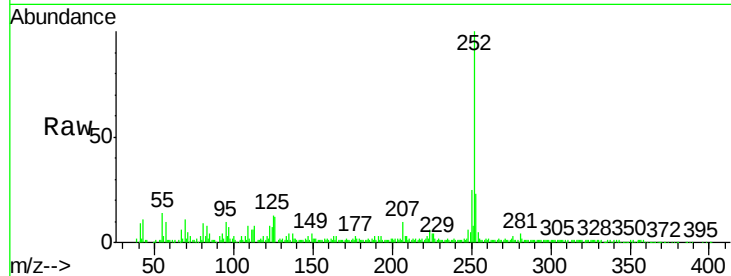




#88
Benzo(b)fluoranthene
Concen: 10.270 ng
RT: 15.03 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF120527.D
Acq: 3 Jun 2020 23:22

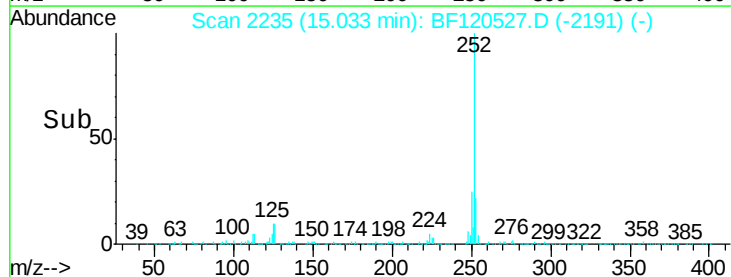
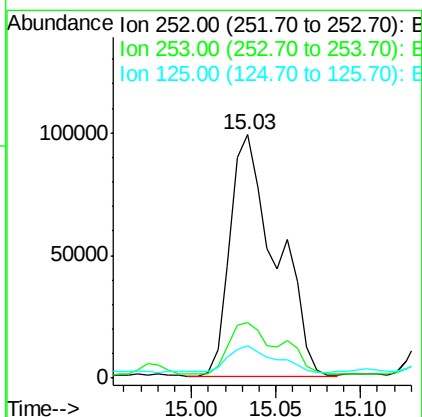
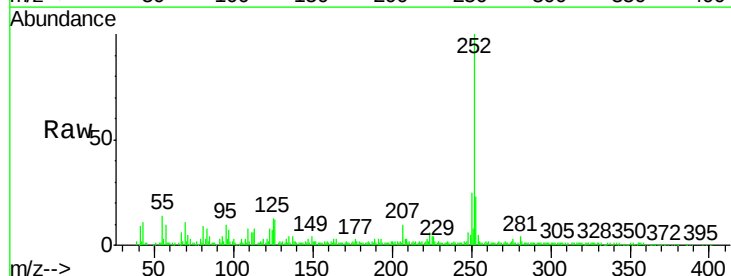
Instrument :
BNA_F
ClientSampleId :
NM7-COMP-2020-0-6

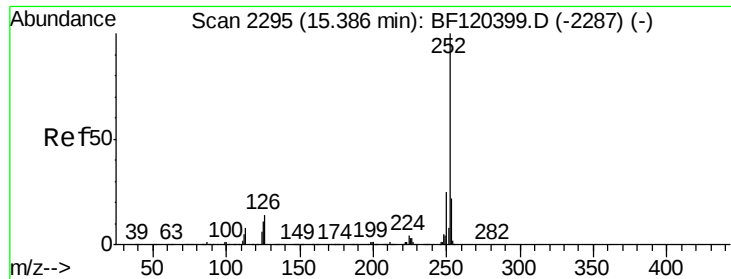
Tot Ion:252 Resp: 185727
Ion Ratio Lower Upper
252 100
253 22.9 18.2 27.2
125 13.1 7.6 11.4#



#89
Benzo(k)fluoranthene
Concen: 11.001 ng
RT: 15.03 min Scan# 2235
Delta R.T. -0.04 min
Lab File: BF120527.D
Acq: 3 Jun 2020 23:22

Tgt Ion:252 Resp: 185727
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 13.1 7.5 11.3#

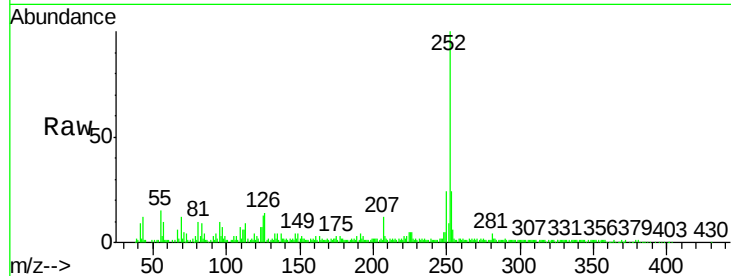




#90
Benzo(a)pyrene
Concen: 6.130 ng
RT: 15.39 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF120527.D
Acq: 3 Jun 2020 23:22

Instrument :
BNA_F
ClientSampleId :
NM7-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	13.0	9.2	13.8

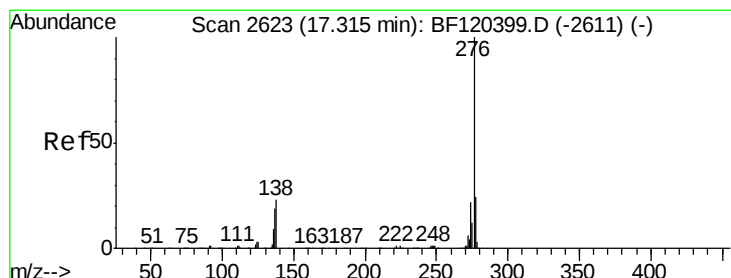
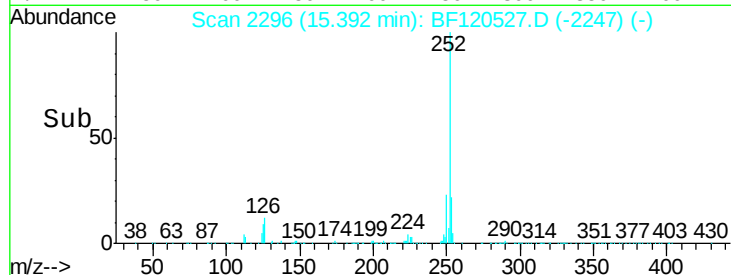
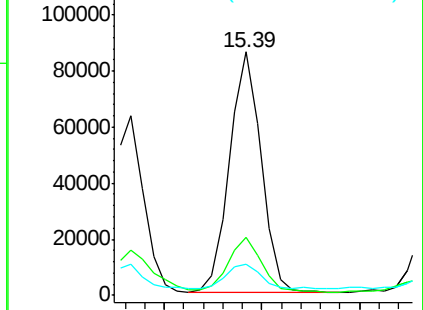


Abundance

Ion 252.00 (251.70 to 252.70): E

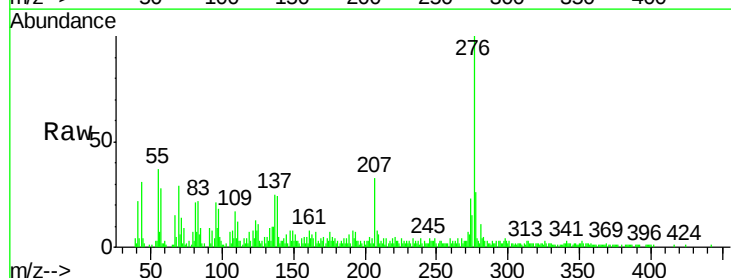
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 4.164 ng
RT: 17.34 min Scan# 2627
Delta R.T. -0.02 min
Lab File: BF120527.D
Acq: 3 Jun 2020 23:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.4	29.2
138	23.7	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

