

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
 Data File : BF120546.D
 Acq On : 4 Jun 2020 21:09
 Operator : JU/CG
 Sample : L2839-18RE
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM18-COMP-2020-0-6RE

Quant Time: Jun 05 00:29:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 04 16:38:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	182029	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	730651	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	241492	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	399465	20.00	ng	0.00
76) Chrysene-d12	14.00	240	418637	20.00	ng	0.00
86) Perylene-d12	15.45	264	344609	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	1191200	124.71	ng	0.00
7) Phenol-d6	6.47	99	1470655	124.92	ng	0.00
23) Nitrobenzene-d5	7.39	82	993761	88.97	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	299923	134.04	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1383765	97.22	ng	0.00
79) Terphenyl-d14	12.94	244	1283490	68.22	ng	0.00

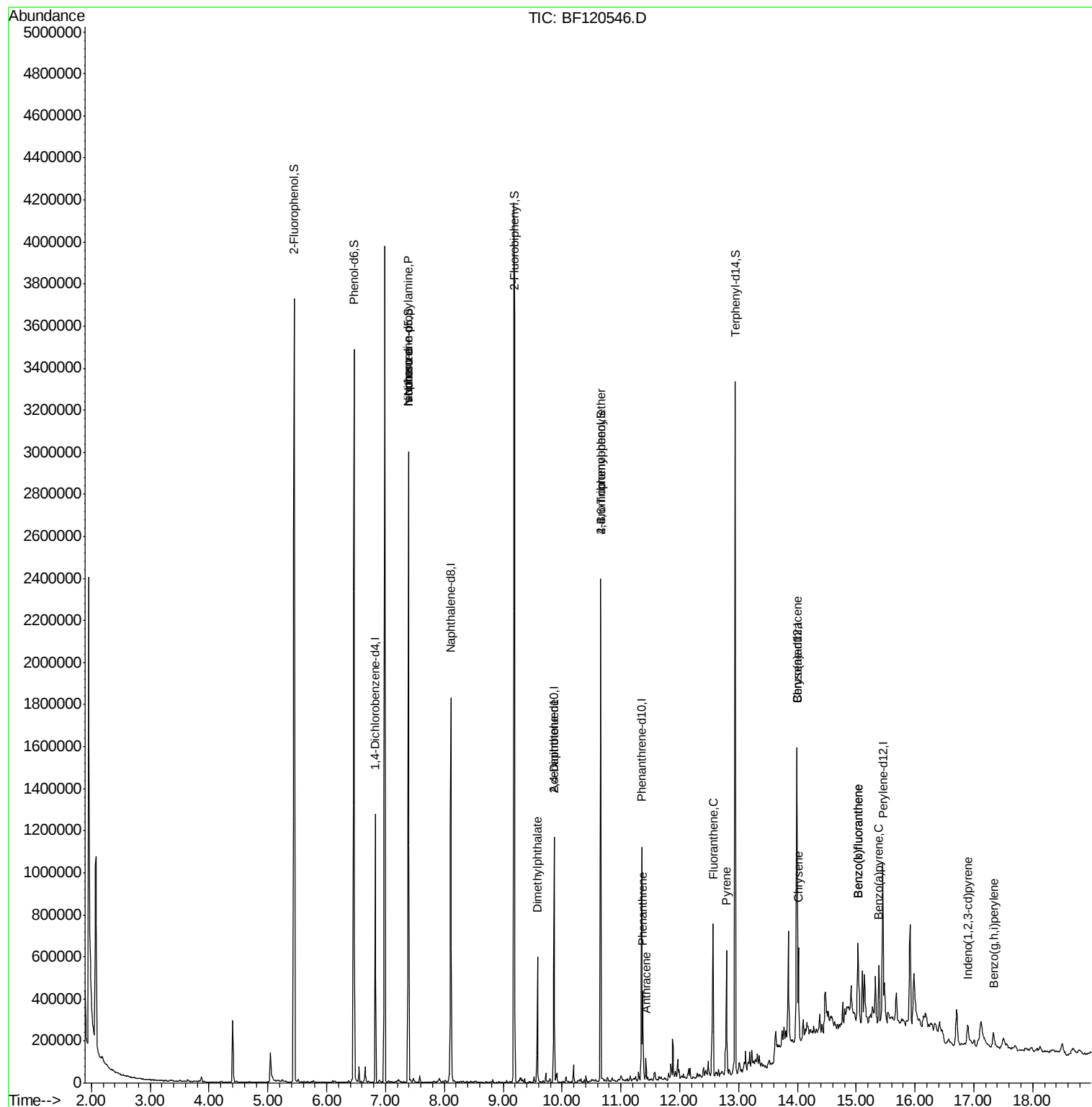
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	132178	17.662	ng	# 78
25) Isophorone	7.39	82	987891	44.004	ng	# 63
50) Dimethylphthalate	9.58	163	219753	14.556	ng	100
57) 2,4-Dinitrotoluene	9.86	165	31159	7.256	ng	# 25
67) 4-Bromophenyl-phenylether	10.66	248	17764	4.405	ng	# 1
71) Phenanthrene	11.37	178	137032	7.785	ng	97
72) Anthracene	11.43	178	37812	2.141	ng	98
75) Fluoranthene	12.57	202	295866	15.622	ng	96
78) Pyrene	12.80	202	262827	9.028	ng	98
81) Benzo(a)anthracene	13.99	228	196095	8.740	ng	96
83) Chrysene	14.02	228	184346	7.837	ng	96
87) Indeno(1,2,3-cd)pyrene	16.89	276	61240	3.249	ng	95
88) Benzo(b)fluoranthene	15.03	252	271043	14.161	ng	99
89) Benzo(k)fluoranthene	15.03	252	271043	15.169	ng	98
90) Benzo(a)pyrene	15.39	252	134579	8.038	ng	99
92) Benzo(g,h,i)perylene	17.33	276	56326	3.716	ng	98

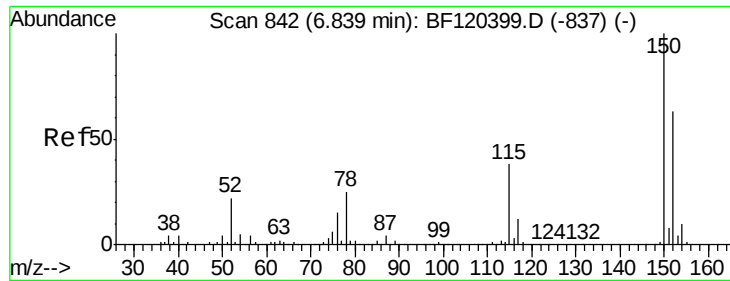
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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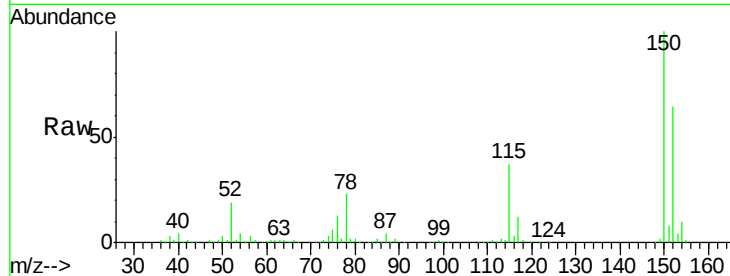


#1

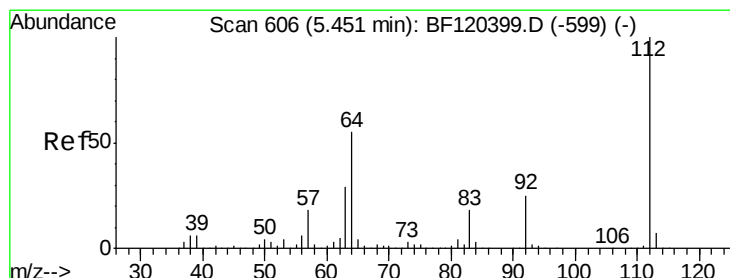
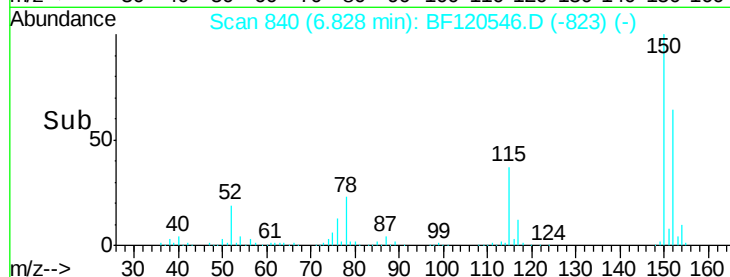
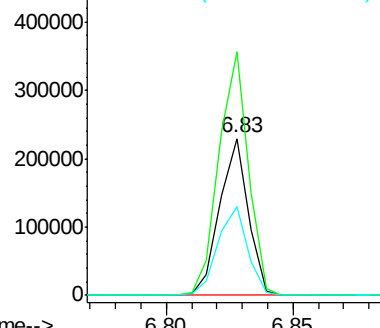
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 840
Delta R.T. -0.00 min
Lab File: BF120546.D
Acq: 4 Jun 2020 21:09

Instrument :
BNA_F
ClientSampleId :
NM18-COMP-2020-0-6RE

Tot Ion:152 Resp: 182029
Ion Ratio Lower Upper
152 100
150 155.1 126.3 189.5
115 56.7 48.1 72.1



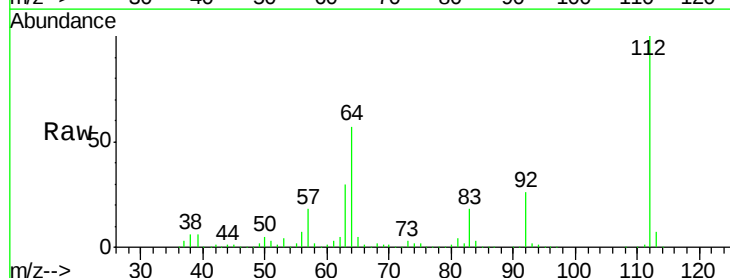
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



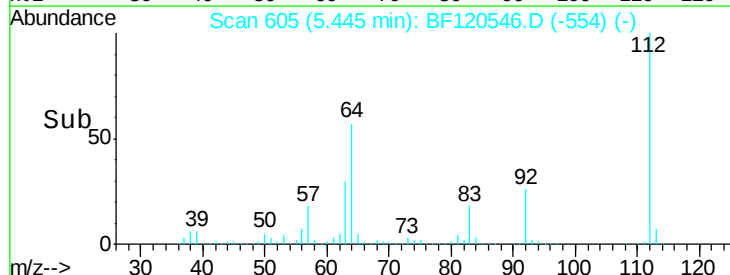
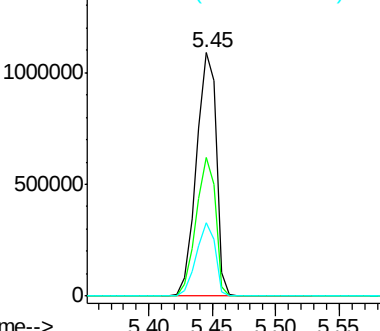
#5

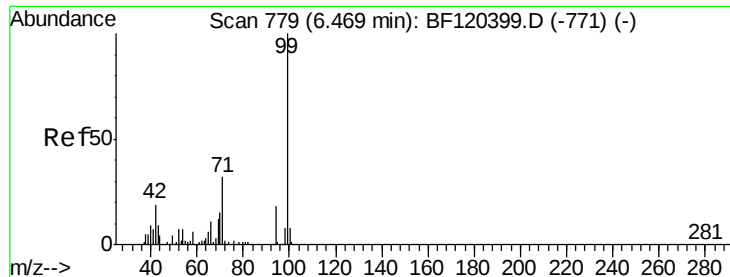
2-Fluorophenol
Concen: 124.712 ng
RT: 5.45 min Scan# 605
Delta R.T. -0.00 min
Lab File: BF120546.D
Acq: 4 Jun 2020 21:09

Tgt Ion:112 Resp: 1191200
Ion Ratio Lower Upper
112 100
64 57.0 47.2 70.8
63 29.9 24.7 37.1



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: 124.918 ng

RT: 6.47 min Scan# 779

Delta R.T. -0.00 min

Lab File: BF120546.D

Acq: 4 Jun 2020 21:09

Instrument :

BNA_F

ClientSampleId :

NM18-COMP-2020-0-6RE

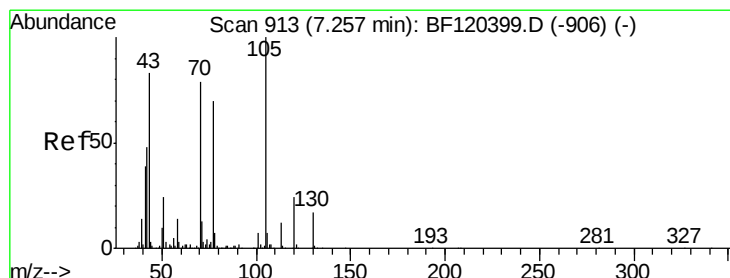
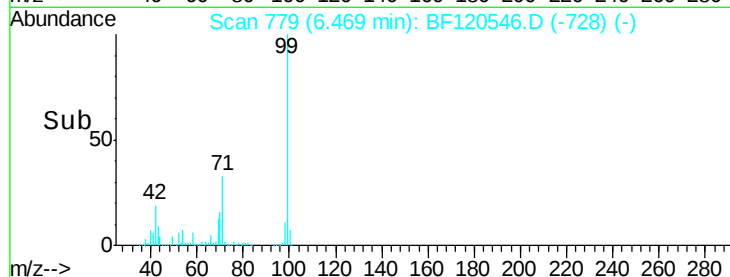
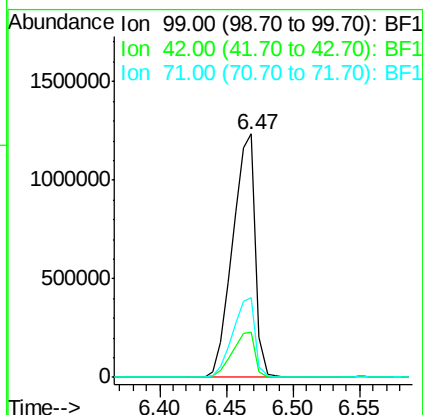
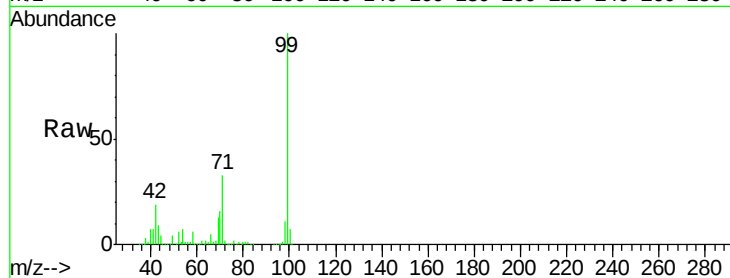
Tot Ion: 99 Resp: 1470655

Ion Ratio Lower Upper

99 100

42 18.6 15.0 22.6

71 32.9 27.0 40.4



#19

n-Nitroso-di-n-propylamine

Concen: 17.662 ng

RT: 7.39 min Scan# 936

Delta R.T. 0.14 min

Lab File: BF120546.D

Acq: 4 Jun 2020 21:09

Tgt Ion: 70 Resp: 132178

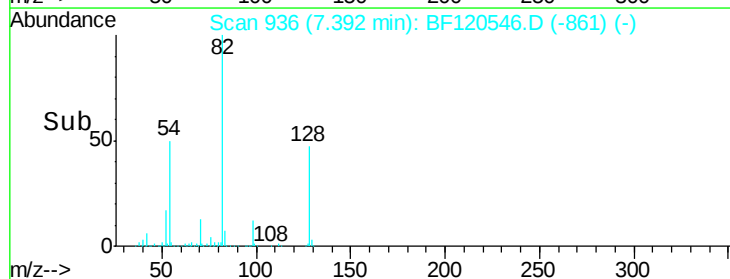
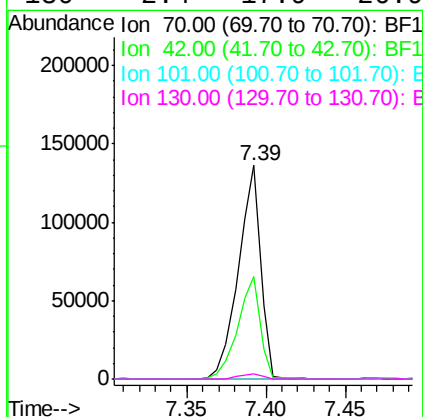
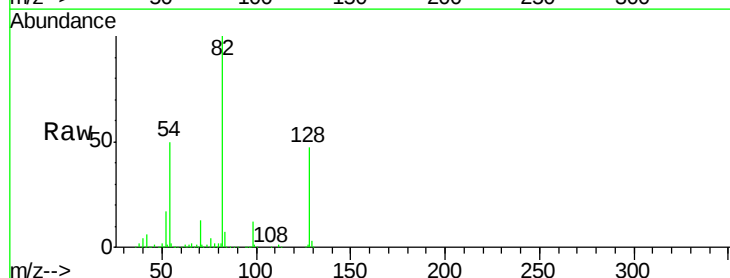
Ion Ratio Lower Upper

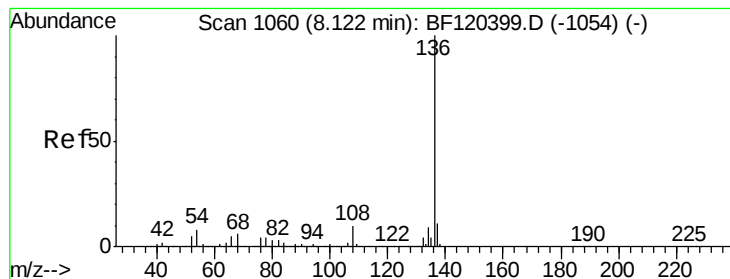
70 100

42 48.2 47.0 70.4

101 0.0 7.8 11.8#

130 2.4 17.9 26.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BF120546.D

Acq: 4 Jun 2020 21:09

Instrument :

BNA_F

ClientSampleId :

NM18-COMP-2020-0-6RE

Tot Ion:136 Resp: 730651

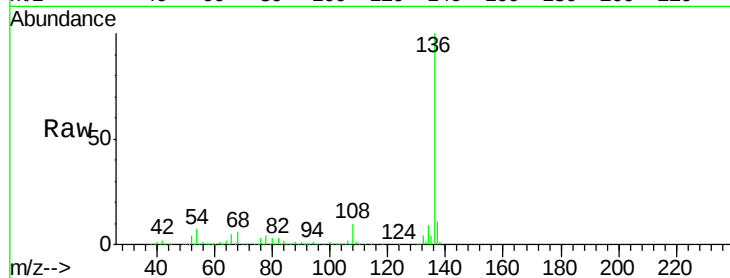
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 7.4 5.4 8.0

68 5.9 4.3 6.5

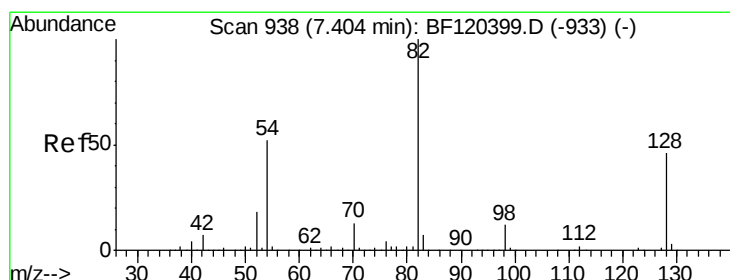
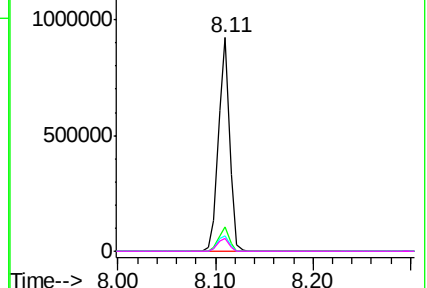
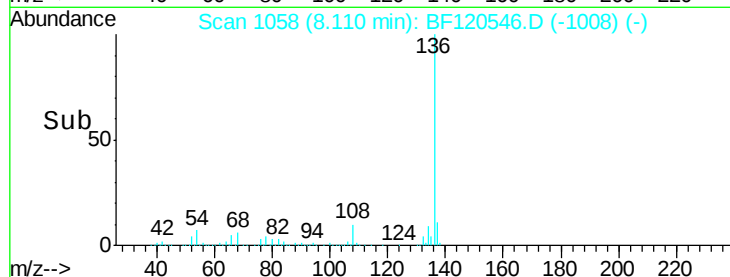


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.969 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF120546.D

Acq: 4 Jun 2020 21:09

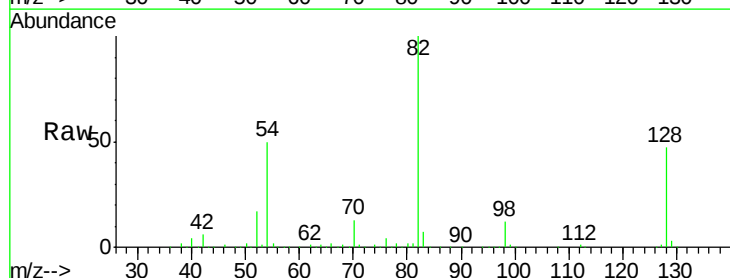
Tgt Ion: 82 Resp: 993761

Ion Ratio Lower Upper

82 100

128 47.4 36.7 55.1

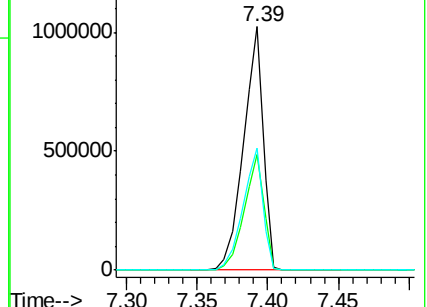
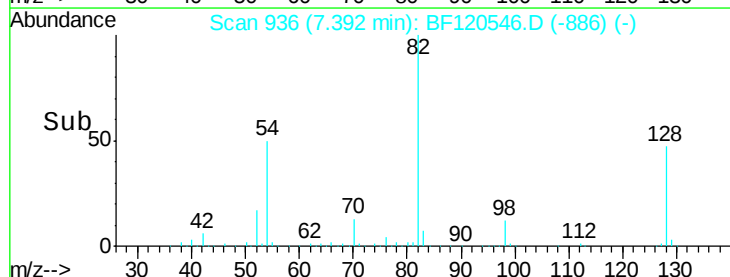
54 50.1 40.0 60.0

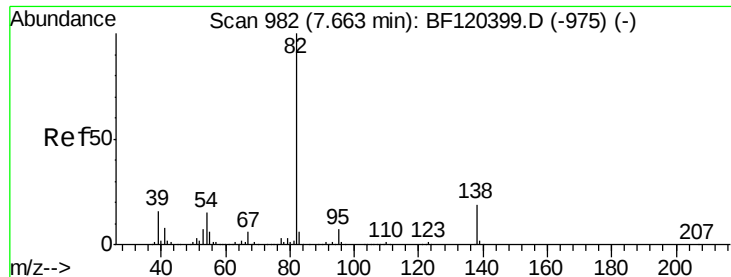


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.004 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.26 min

Lab File: BF120546.D

Acq: 4 Jun 2020 21:09

Instrument :

BNA_F

ClientSampleId :

NM18-COMP-2020-0-6RE

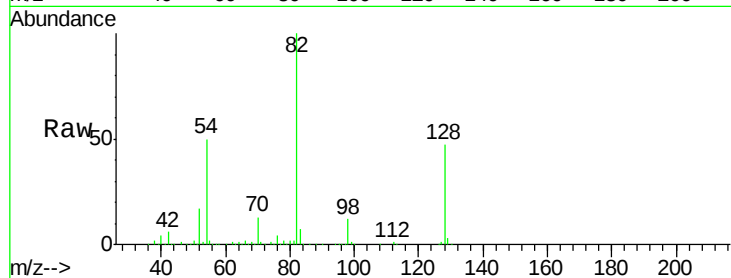
Tot Ion: 82 Resp: 987891

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

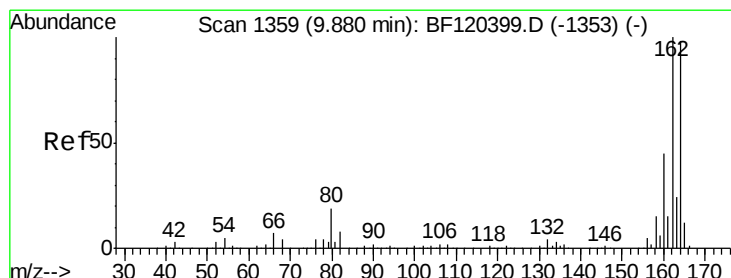
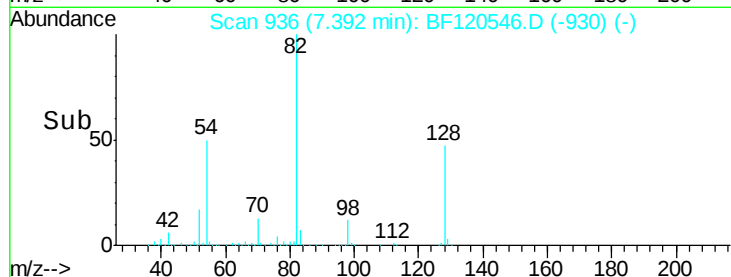
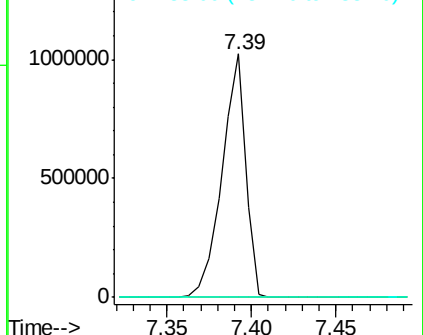
138 0.0 15.6 23.4#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1357

Delta R.T. -0.00 min

Lab File: BF120546.D

Acq: 4 Jun 2020 21:09

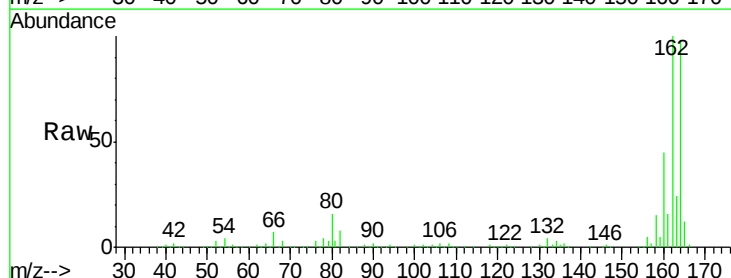
Tgt Ion: 164 Resp: 241492

Ion Ratio Lower Upper

164 100

162 102.0 81.2 121.8

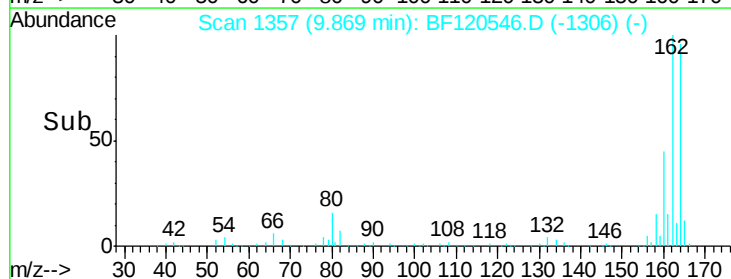
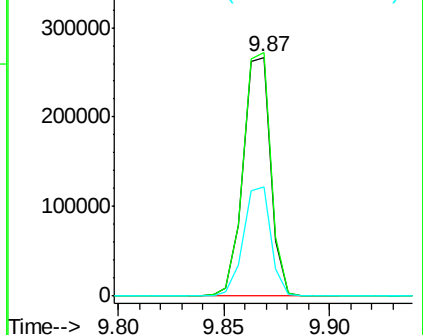
160 45.9 37.0 55.4

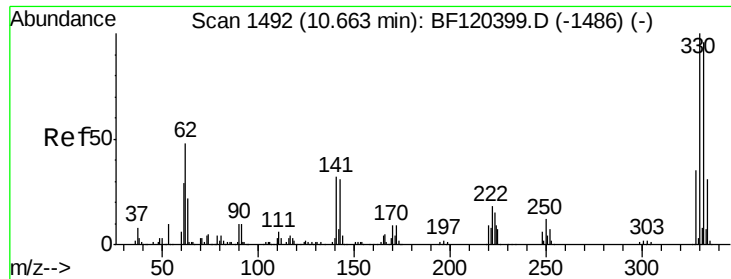


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

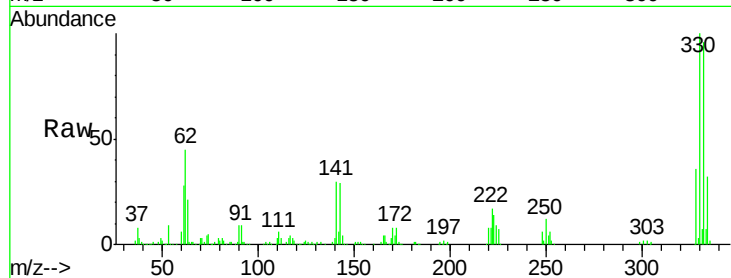




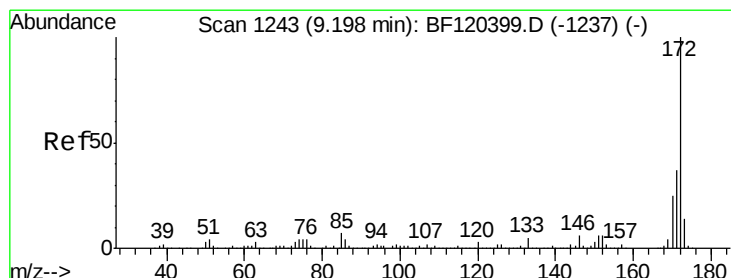
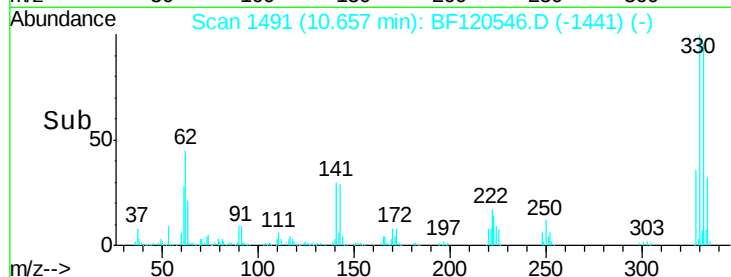
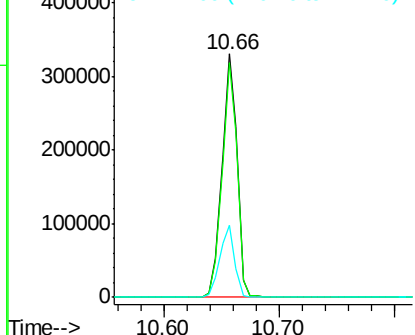
#42
 2,4,6-Tribromophenol
 Concen: 134.042 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120546.D
 Acq: 4 Jun 2020 21:09

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Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.4
141	29.2	23.8	35.8

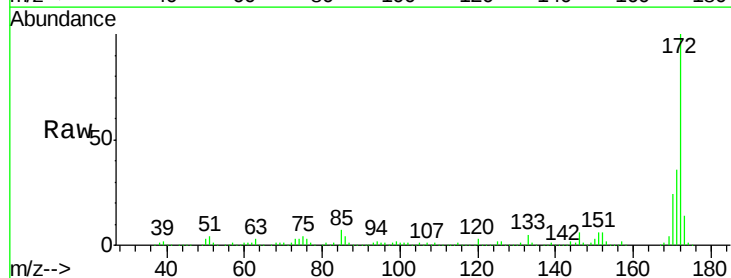


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

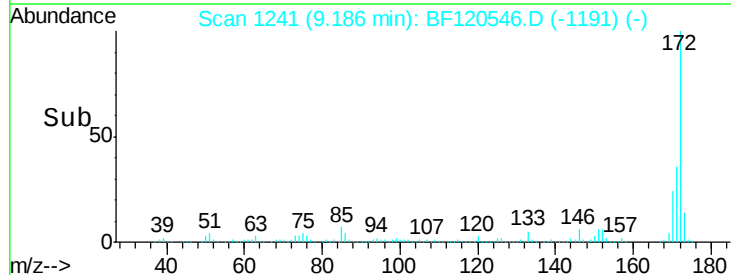
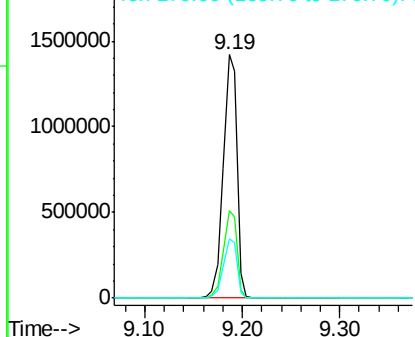


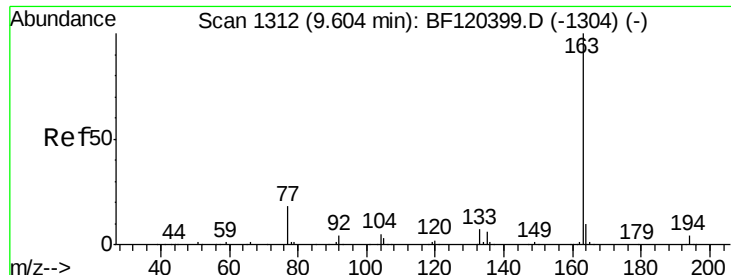
#45
 2-Fluorobiphenyl
 Concen: 97.222 ng
 RT: 9.19 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: BF120546.D
 Acq: 4 Jun 2020 21:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.5	44.3
170	24.4	19.8	29.6



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

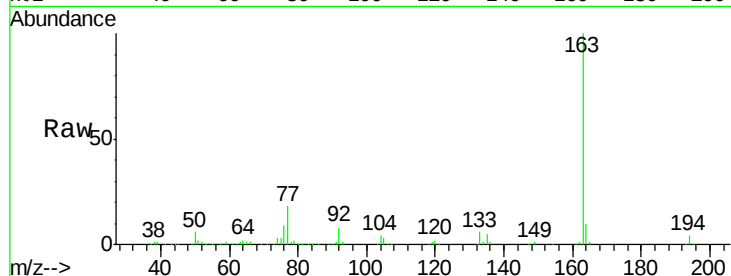




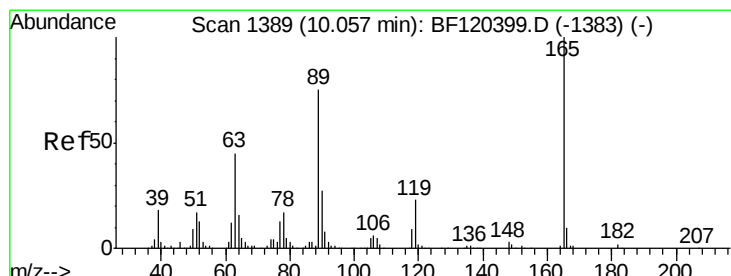
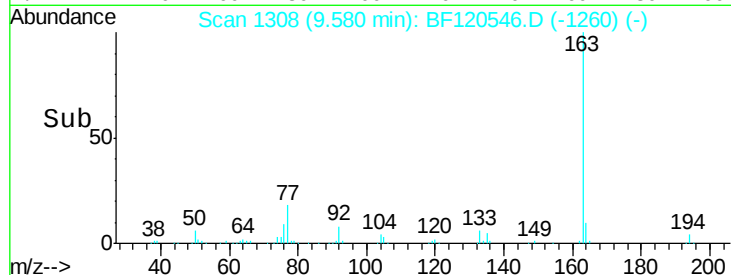
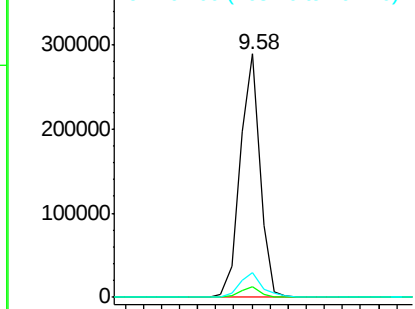
#50
Dimethylphthalate
Concen: 14.556 ng
RT: 9.58 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF120546.D
Acq: 4 Jun 2020 21:09

Instrument :
BNA_F
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NM18-COMP-2020-0-6RE

Tot Ion:163 Resp: 219753
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 10.0 8.0 12.0

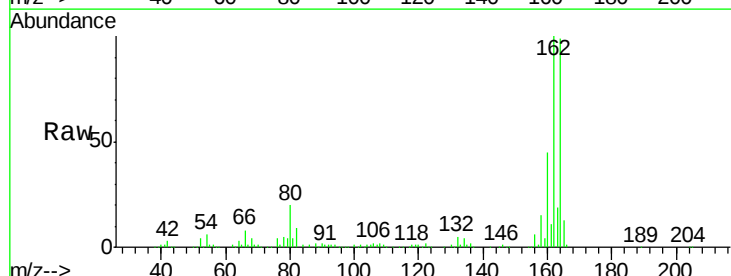


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

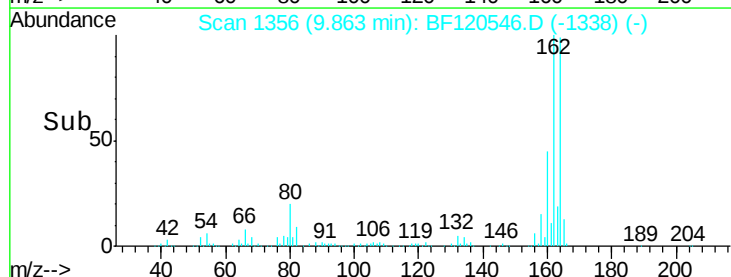
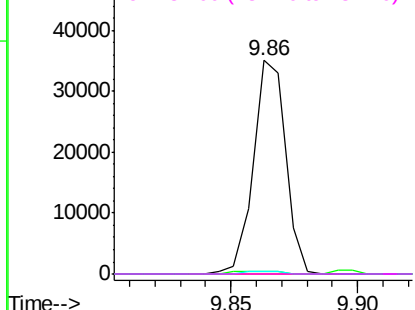


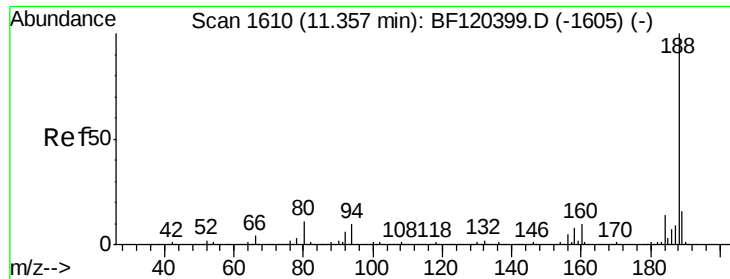
#57
2,4-Dinitrotoluene
Concen: 7.256 ng
RT: 9.86 min Scan# 1356
Delta R.T. -0.19 min
Lab File: BF120546.D
Acq: 4 Jun 2020 21:09

Tgt Ion:165 Resp: 31159
Ion Ratio Lower Upper
165 100
63 1.2 34.1 51.1#
89 1.1 56.2 84.4#
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

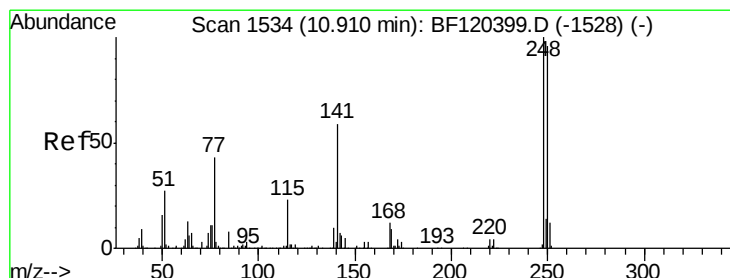
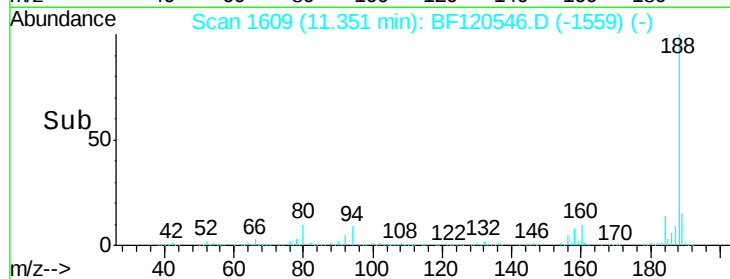
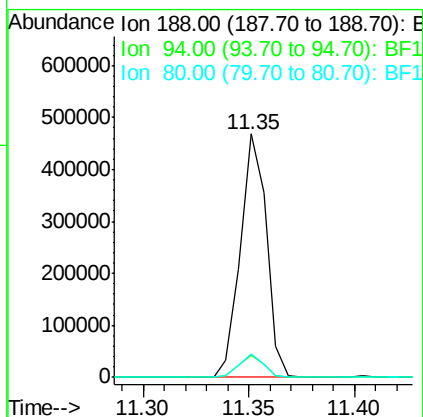
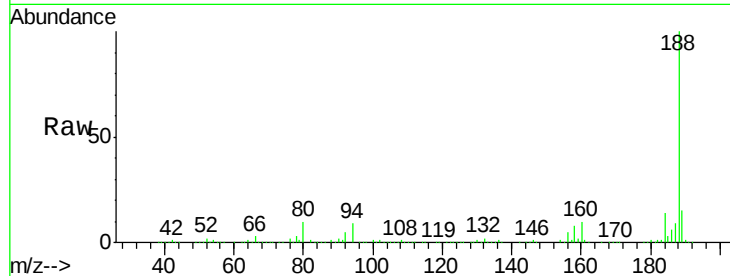




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1609
Delta R.T. -0.01 min
Lab File: BF120546.D
Acq: 4 Jun 2020 21:09

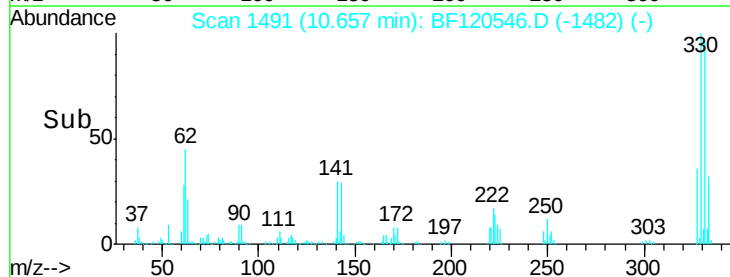
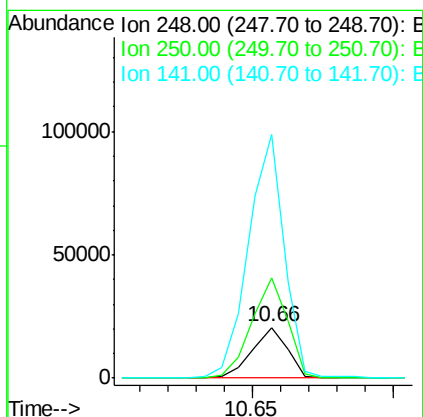
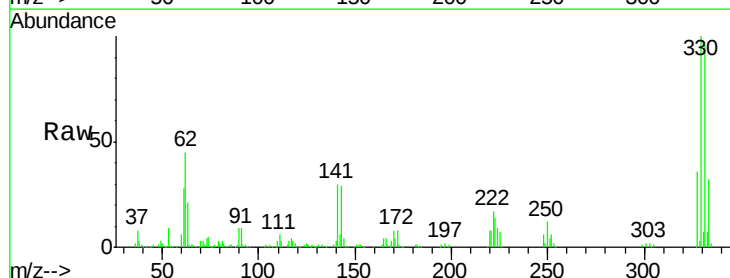
Instrument :
BNA_F
ClientSampleId :
NM18-COMP-2020-0-6RE

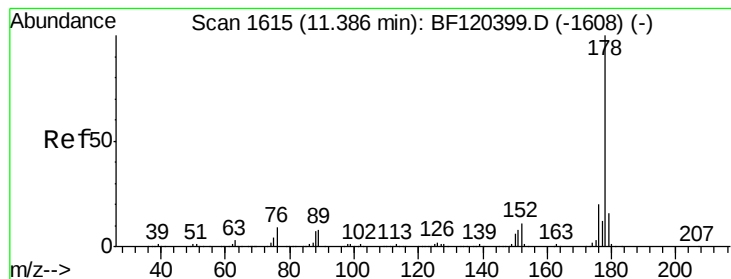
Tot Ion:188 Resp: 399465
Ion Ratio Lower Upper
188 100
94 8.9 7.4 11.2
80 9.8 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 4.405 ng
RT: 10.66 min Scan# 1491
Delta R.T. -0.25 min
Lab File: BF120546.D
Acq: 4 Jun 2020 21:09

Tgt Ion:248 Resp: 17764
Ion Ratio Lower Upper
248 100
250 200.0 77.4 116.0#
141 483.1 46.1 69.1#





#71

Phenanthrene

Concen: 7.785 ng

RT: 11.37 min Scan# 1613

Delta R.T. -0.01 min

Lab File: BF120546.D

Acq: 4 Jun 2020 21:09

Instrument :

BNA_F

ClientSampleId :

NM18-COMP-2020-0-6RE

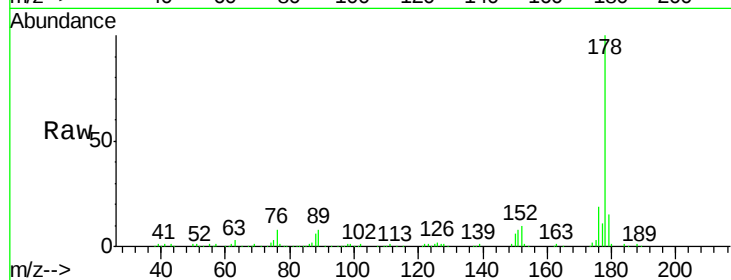
Tot Ion:178 Resp: 137032

Ion Ratio Lower Upper

178 100

176 18.7 16.2 24.2

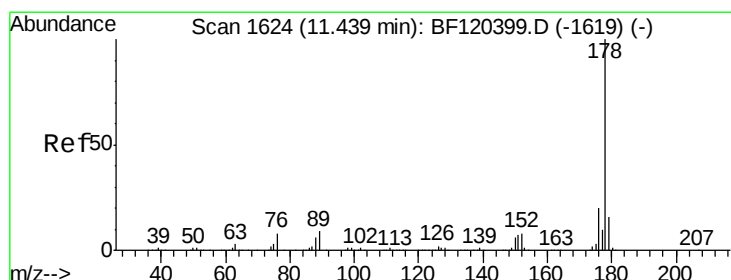
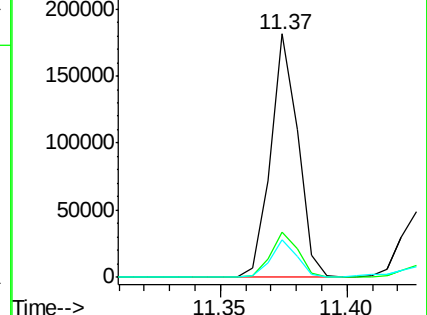
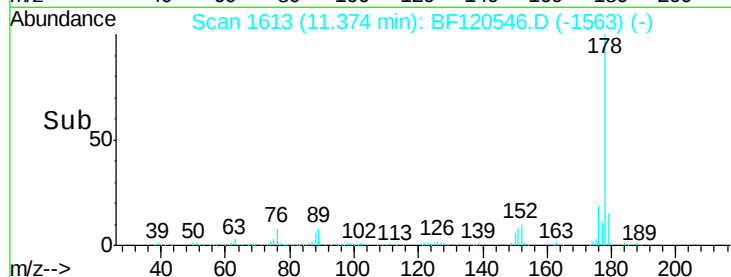
179 15.2 12.8 19.2



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



#72

Anthracene

Concen: 2.141 ng

RT: 11.43 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BF120546.D

Acq: 4 Jun 2020 21:09

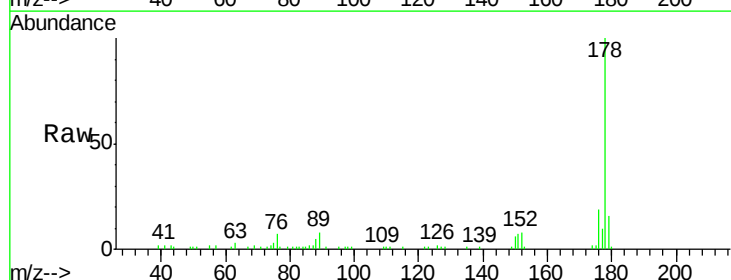
Tgt Ion:178 Resp: 37812

Ion Ratio Lower Upper

178 100

176 18.6 15.8 23.6

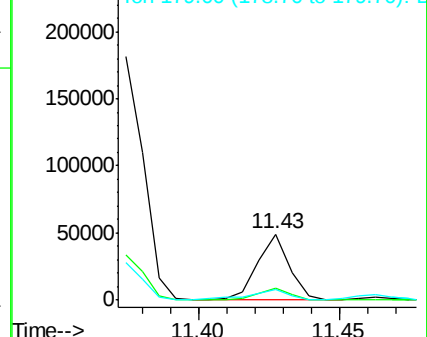
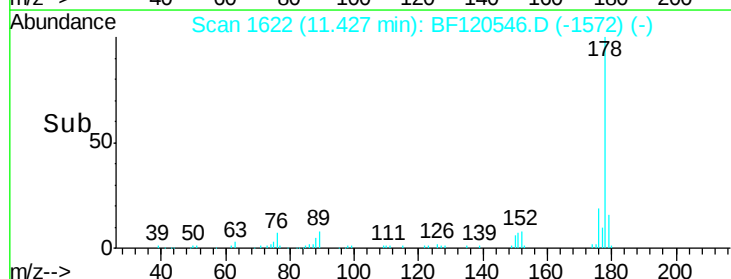
179 15.5 12.9 19.3

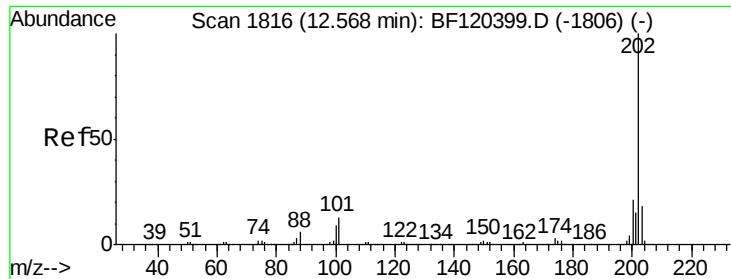


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

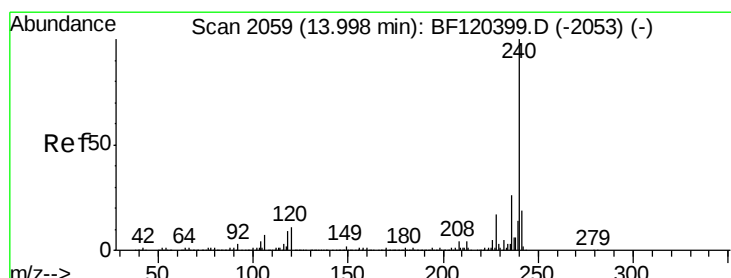
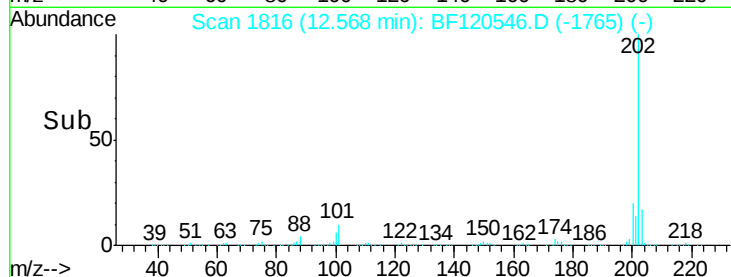
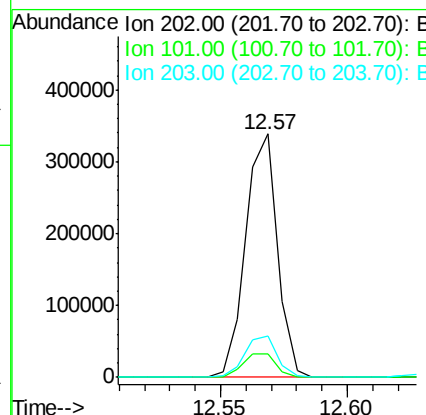
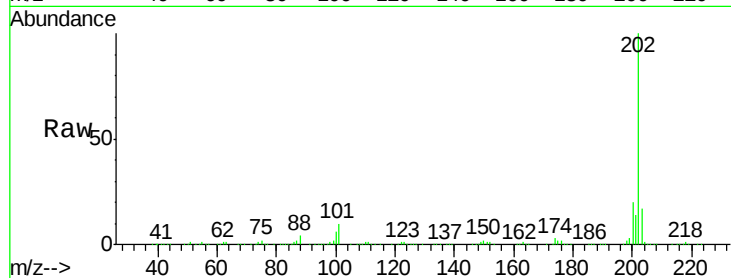




#75
Fluoranthene
Concen: 15.622 ng
RT: 12.57 min Scan# 1816
Delta R.T. -0.00 min
Lab File: BF120546.D
Acq: 4 Jun 2020 21:09

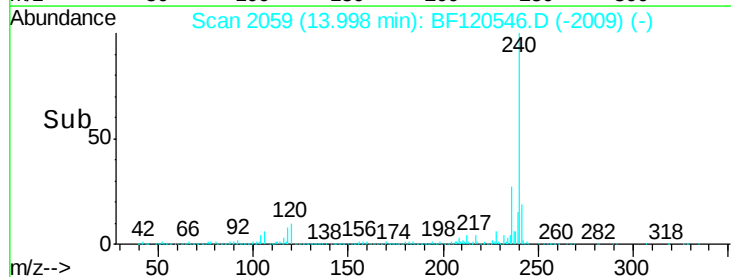
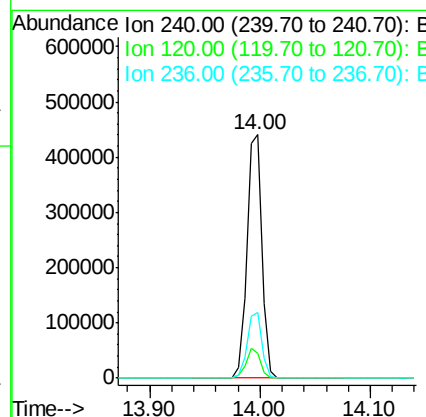
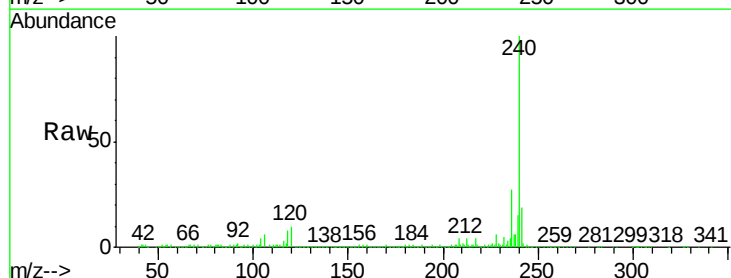
Instrument :
BNA_F
ClientSampleId :
NM18-COMP-2020-0-6RE

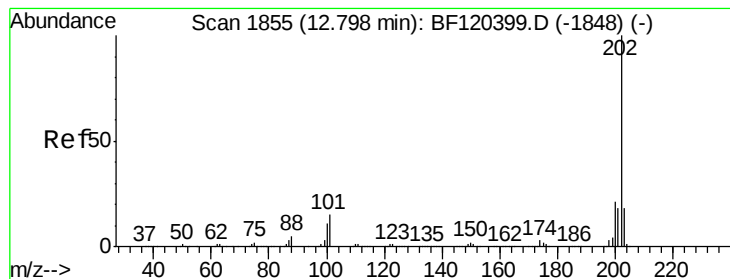
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	31.3
203	16.9	0.0	38.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2059
Delta R.T. -0.01 min
Lab File: BF120546.D
Acq: 4 Jun 2020 21:09

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.7	11.5
236	26.9	20.8	31.2





#78

Pvrene

Concen: 9.028 ng

RT: 12.80 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF120546.D

Acq: 4 Jun 2020 21:09

Instrument :

BNA_F

ClientSampleId :

NM18-COMP-2020-0-6RE

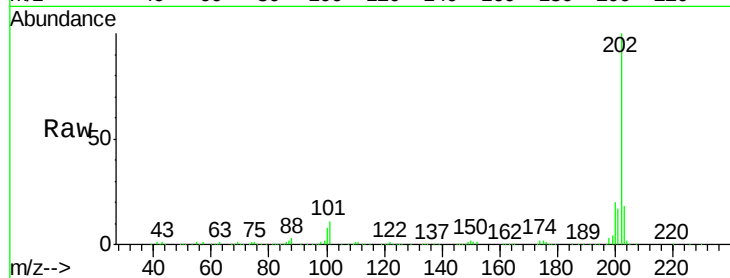
Tot Ion:202 Resp: 262827

Ion Ratio Lower Upper

202 100

200 19.9 17.0 25.6

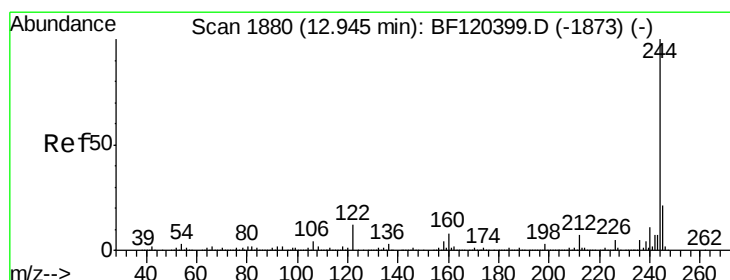
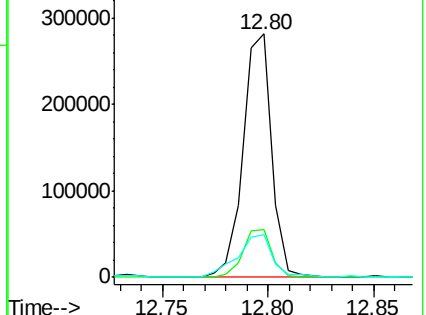
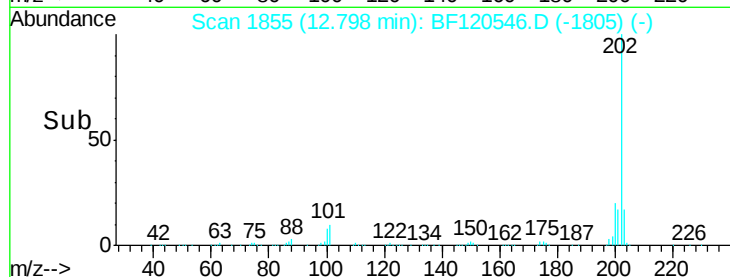
203 17.6 14.2 21.2



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: 68.223 ng

RT: 12.94 min Scan# 1880

Delta R.T. -0.00 min

Lab File: BF120546.D

Acq: 4 Jun 2020 21:09

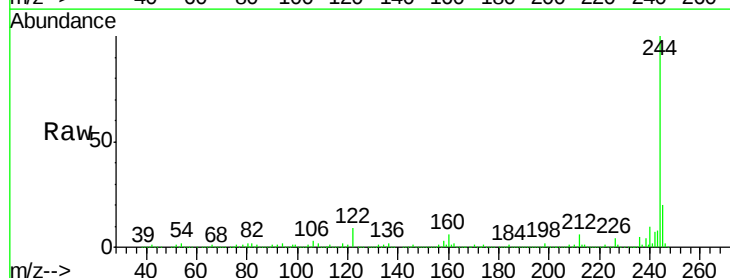
Tgt Ion:244 Resp: 1283490

Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

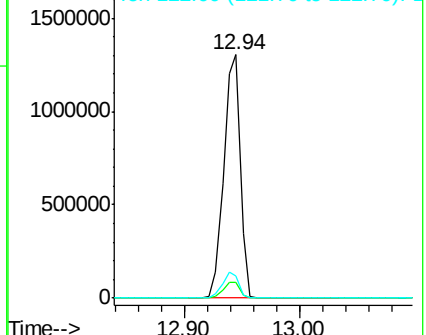
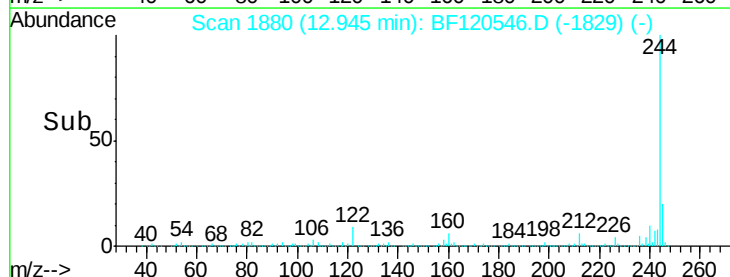
122 9.4 8.0 12.0

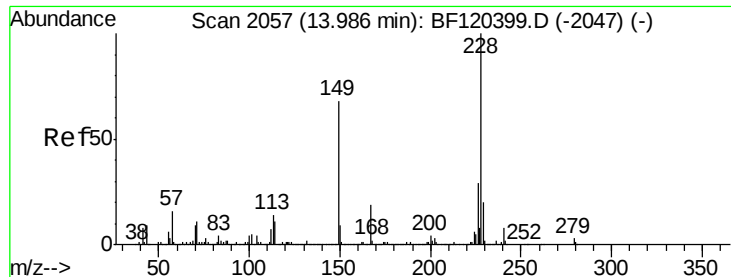


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

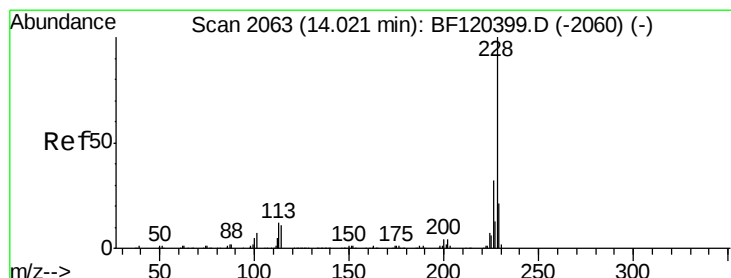
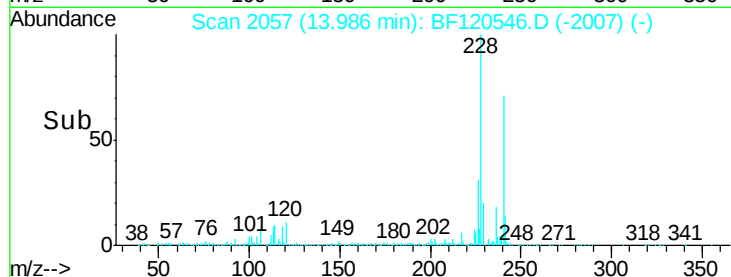
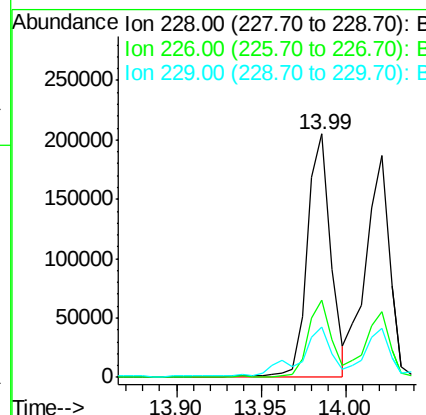
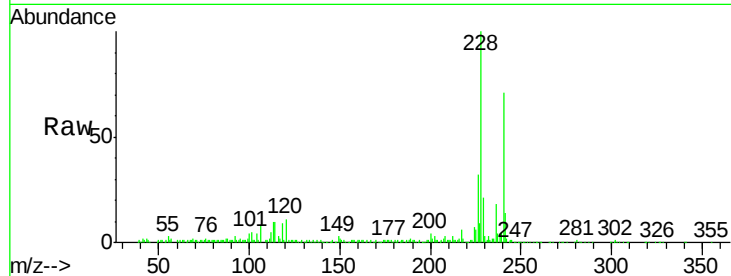




#81
Benzo(a)anthracene
Concen: 8.740 ng
RT: 13.99 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BF120546.D
Acq: 4 Jun 2020 21:09

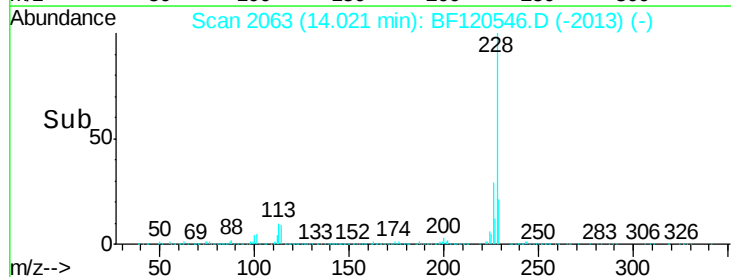
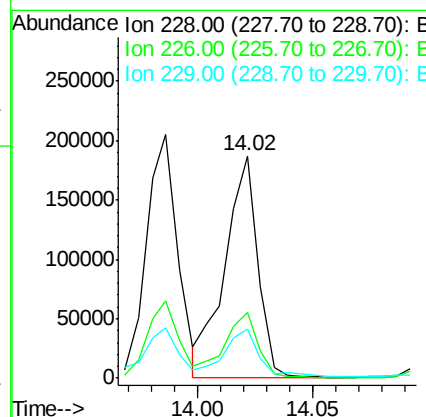
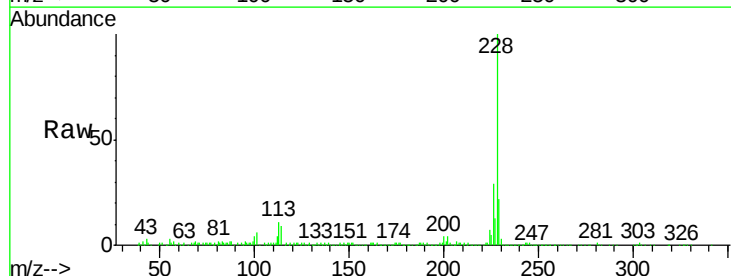
Instrument :
BNA_F
ClientSampleId :
NM18-COMP-2020-0-6RE

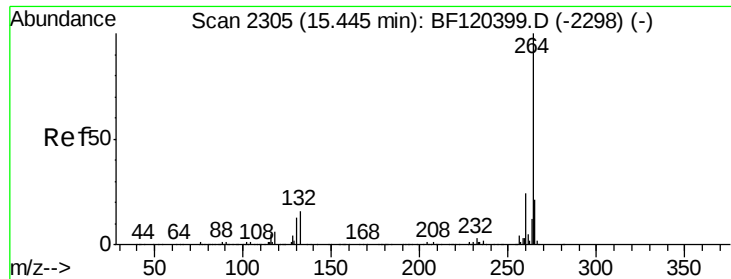
Tot Ion:228 Resp: 196095
Ion Ratio Lower Upper
228 100
226 31.8 22.4 33.6
229 20.5 16.2 24.2



#83
Chrysene
Concen: 7.837 ng
RT: 14.02 min Scan# 2063
Delta R.T. -0.01 min
Lab File: BF120546.D
Acq: 4 Jun 2020 21:09

Tgt Ion:228 Resp: 184346
Ion Ratio Lower Upper
228 100
226 29.4 25.6 38.4
229 22.0 16.2 24.2

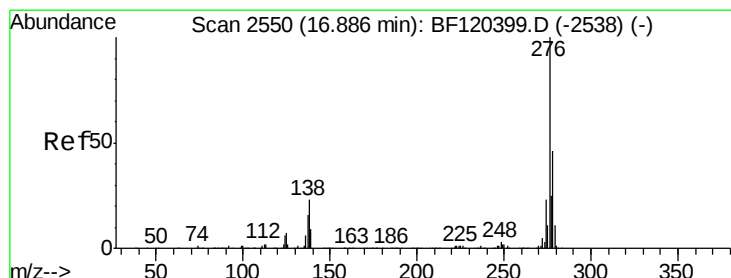
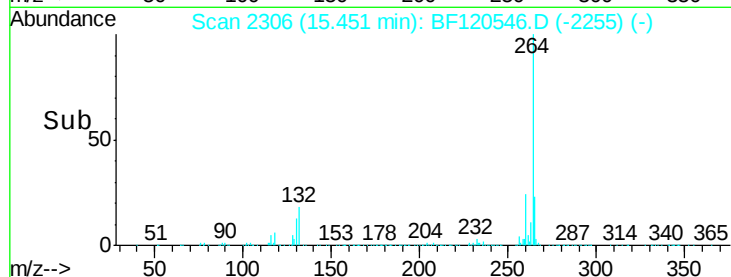
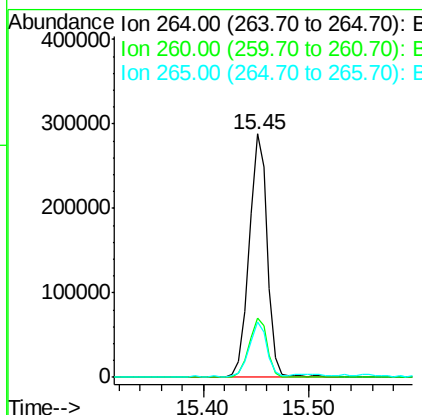
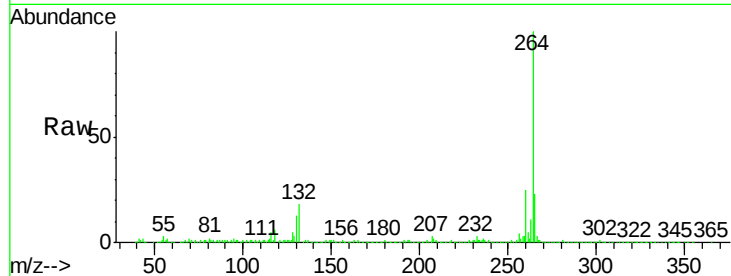




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. -0.00 min
Lab File: BF120546.D
Acq: 4 Jun 2020 21:09

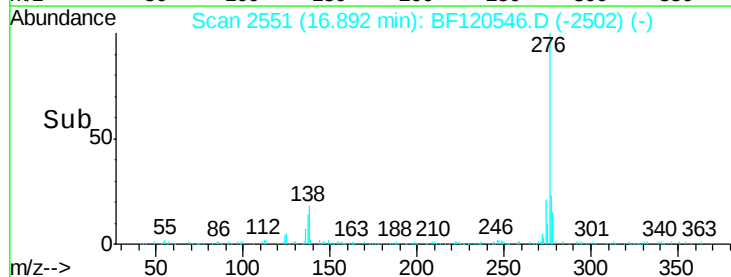
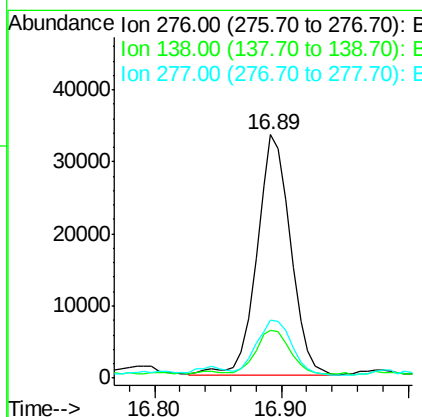
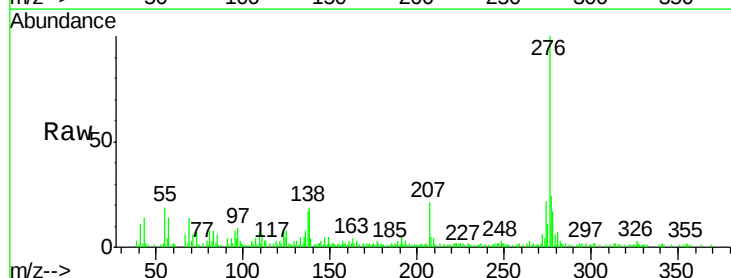
Instrument :
BNA_F
ClientSampleId :
NM18-COMP-2020-0-6RE

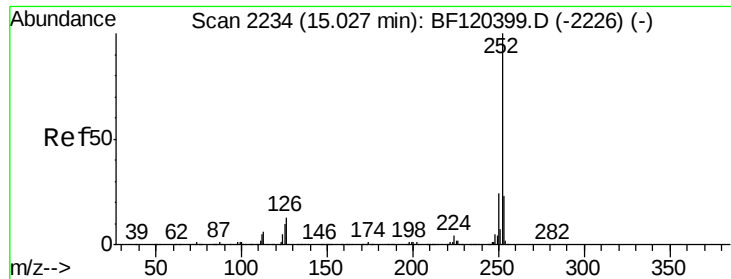
Tot Ion:264 Resp: 344609
Ion Ratio Lower Upper
264 100
260 24.6 19.5 29.3
265 22.7 17.5 26.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.249 ng
RT: 16.89 min Scan# 2551
Delta R.T. -0.01 min
Lab File: BF120546.D
Acq: 4 Jun 2020 21:09

Tgt Ion:276 Resp: 61240
Ion Ratio Lower Upper
276 100
138 19.9 19.2 28.8
277 24.4 20.3 30.5

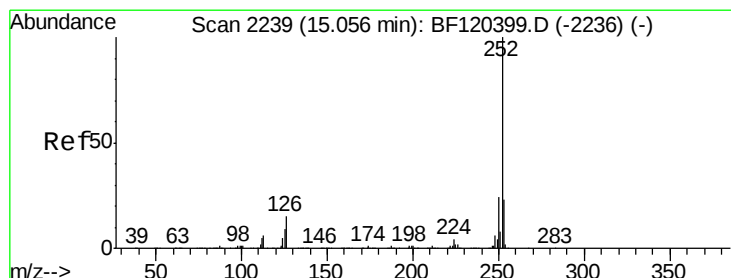
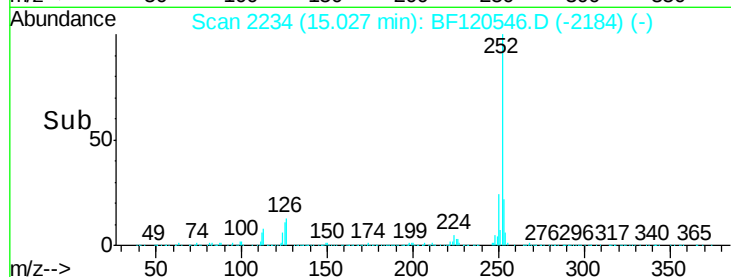
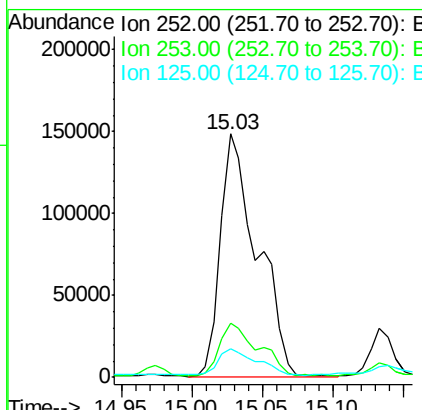
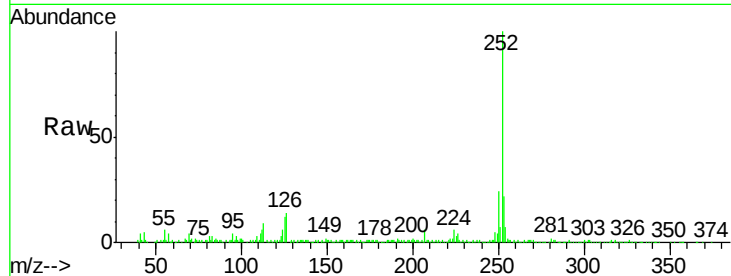




#88
Benzo(b)fluoranthene
Concen: 14.161 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF120546.D
Acq: 4 Jun 2020 21:09

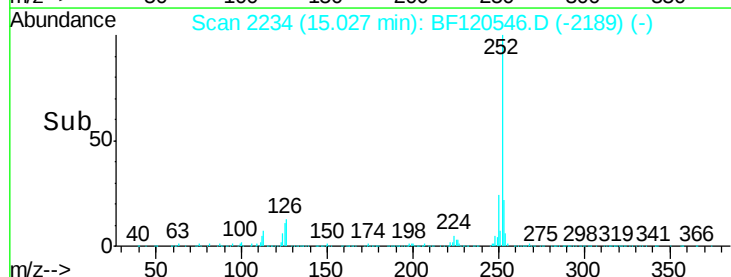
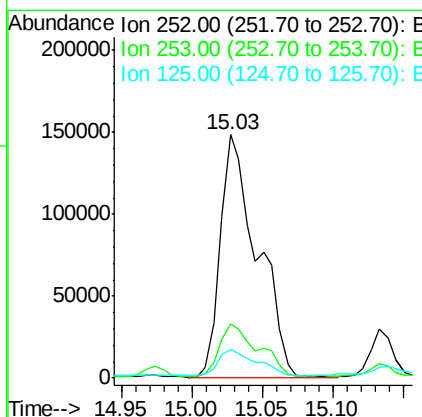
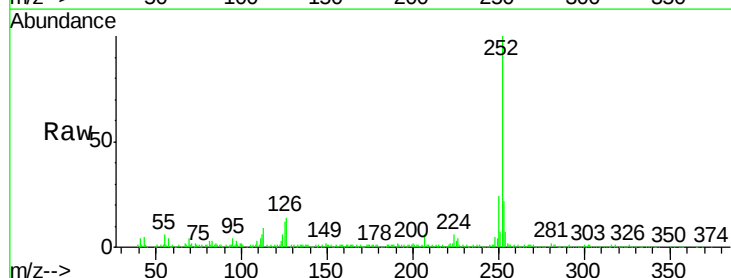
Instrument :
BNA_F
ClientSampleId :
NM18-COMP-2020-0-6RE

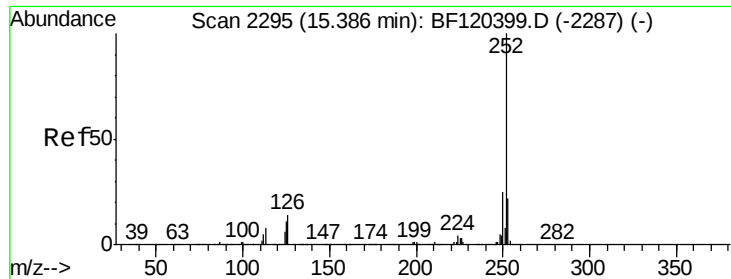
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	11.9	8.3	12.5



#89
Benzo(k)fluoranthene
Concen: 15.169 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF120546.D
Acq: 4 Jun 2020 21:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.4	27.6
125	11.9	8.6	13.0





#90

Benzo(a)pyrene

Concen: 8.038 ng

RT: 15.39 min Scan# 2295

Delta R.T. -0.01 min

Lab File: BF120546.D

Acq: 4 Jun 2020 21:09

Instrument :

BNA_F

ClientSampleId :

NM18-COMP-2020-0-6RE

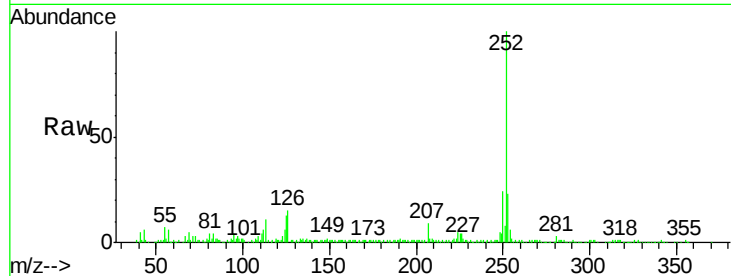
Tot Ion:252 Resp: 134579

Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.2

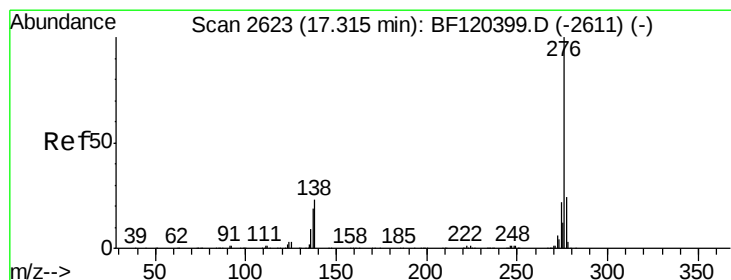
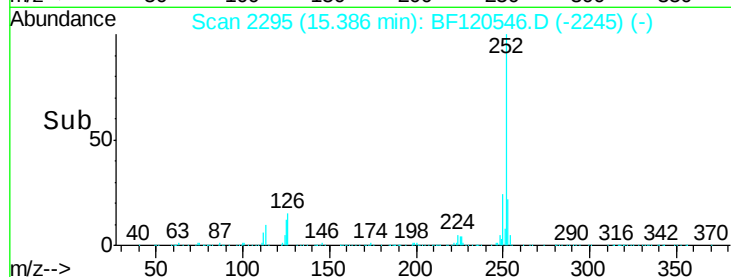
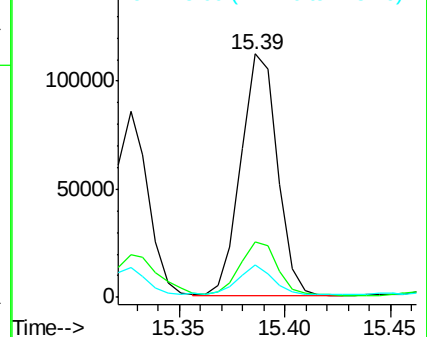
125 13.3 9.6 14.4



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: 3.716 ng

RT: 17.33 min Scan# 2626

Delta R.T. -0.01 min

Lab File: BF120546.D

Acq: 4 Jun 2020 21:09

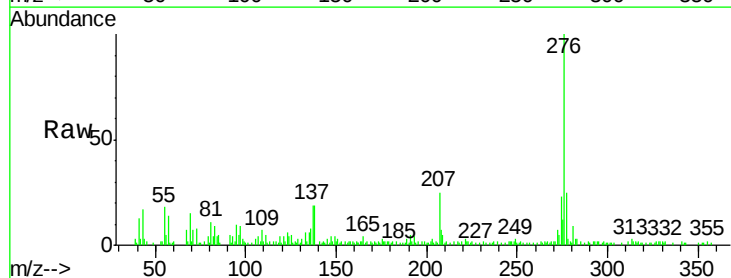
Tgt Ion:276 Resp: 56326

Ion Ratio Lower Upper

276 100

277 24.6 19.3 28.9

138 19.1 16.9 25.3



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

