

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
 Data File : BF120543.D
 Acq On : 4 Jun 2020 19:45
 Operator : JU/CG
 Sample : L2839-10RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM24-COMP-2020-0-6RE

Quant Time: Jun 05 00:28:38 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	204714	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	747138	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	349270	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	535017	20.00	ng	0.00
76) Chrysene-d12	14.00	240	411677	20.00	ng	0.00
86) Perylene-d12	15.45	264	338863	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	1078965	100.44	ng	0.00
7) Phenol-d6	6.46	99	1355142	102.35	ng	0.00
23) Nitrobenzene-d5	7.39	82	844022	73.90	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	310657	96.00	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1460278	70.94	ng	0.00
79) Terphenyl-d14	12.94	244	1251192	67.63	ng	0.00

Target Compounds

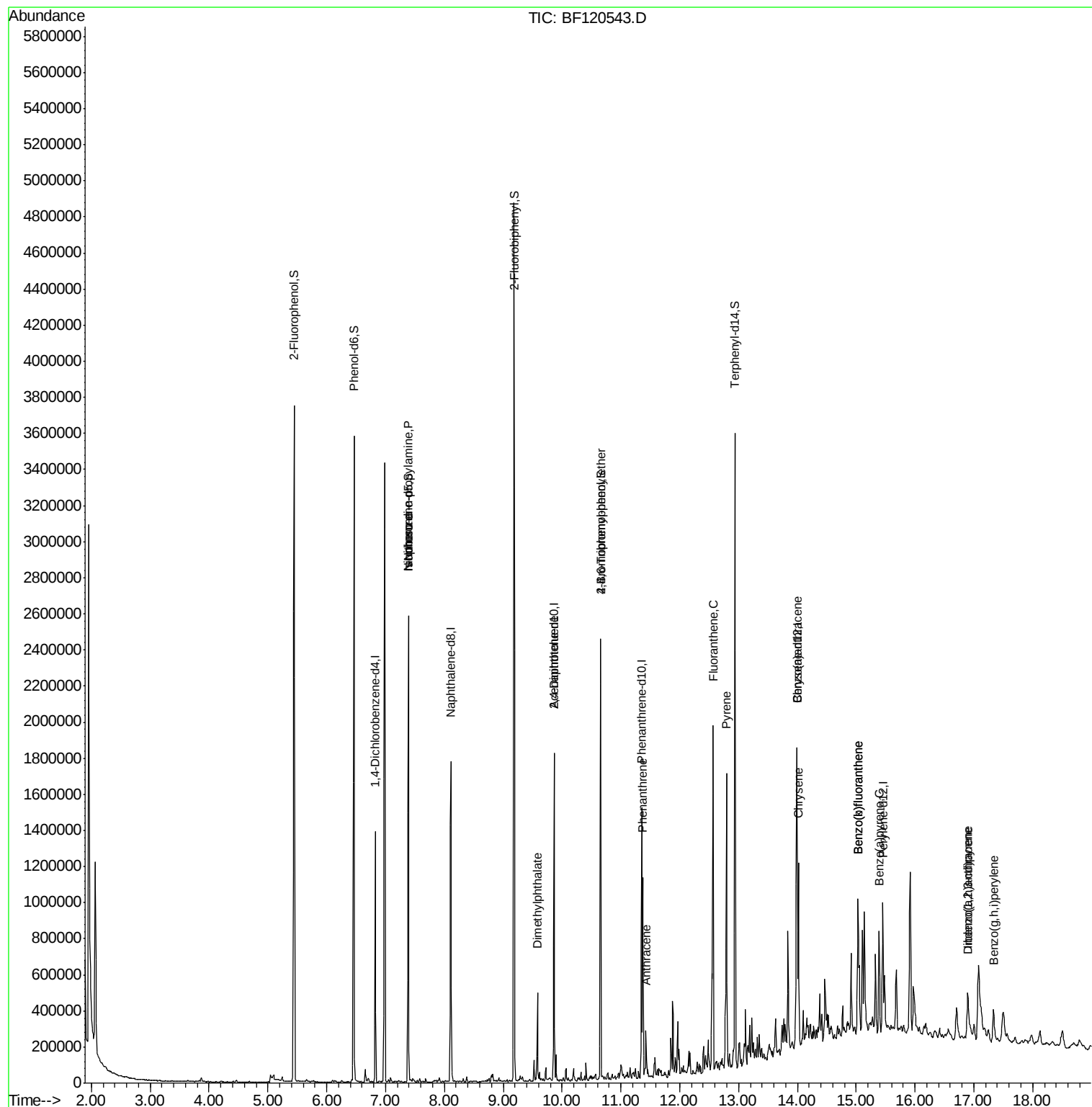
						Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	113076	13.435	ng	# 77
25) Isophorone	7.39	82	840269	36.603	ng	# 63
50) Dimethylphthalate	9.58	163	191167	8.755	ng	100
57) 2,4-Dinitrotoluene	9.86	165	45714	7.361	ng	# 25
67) 4-Bromophenyl-phenylether	10.66	248	18892	3.498	ng	# 1
71) Phenanthrene	11.37	178	368699	15.640	ng	98
72) Anthracene	11.43	178	93390	3.948	ng	97
75) Fluoranthene	12.57	202	735355	28.989	ng	98
78) Pyrene	12.80	202	696178	24.317	ng	98
81) Benzo(a)anthracene	13.99	228	419253	19.002	ng	97
83) Chrysene	14.02	228	391517	16.926	ng	97
87) Indeno(1,2,3-cd)pyrene	16.90	276	158946	8.576	ng	95
88) Benzo(b)fluoranthene	15.03	252	576221	30.615	ng	98
89) Benzo(k)fluoranthene	15.03	252	576221	32.794	ng	99
90) Benzo(a)pyrene	15.39	252	288752	17.539	ng	99
91) Dibenzo(a,h)anthracene	16.91	278	41164	2.724	ng	# 92
92) Benzo(g,h,i)perylene	17.33	276	147372	9.889	ng	99

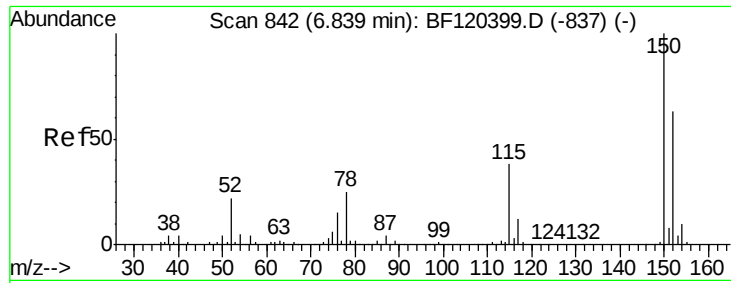
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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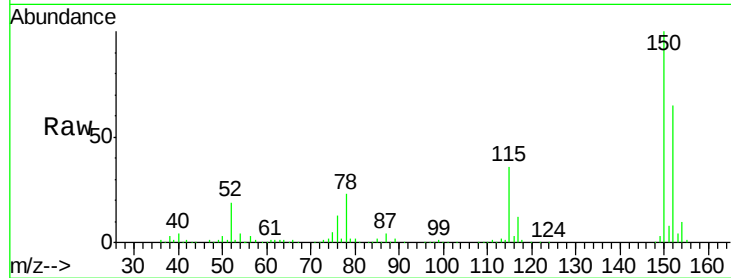


#1

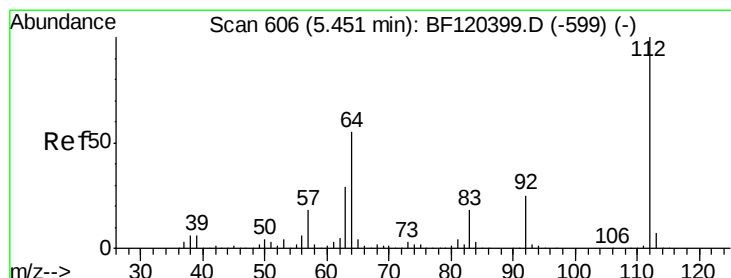
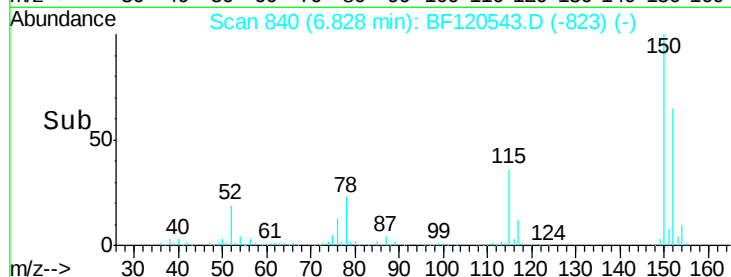
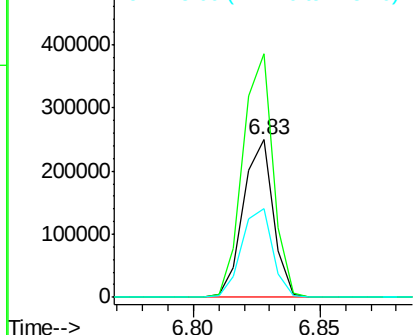
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 840
Delta R.T. -0.00 min
Lab File: BF120543.D
Acq: 4 Jun 2020 19:45

Instrument :
BNA_F
ClientSampleId :
NM24-COMP-2020-0-6RE

Tot Ion:152 Resp: 204714
Ion Ratio Lower Upper
152 100
150 154.6 126.3 189.5
115 56.4 48.1 72.1



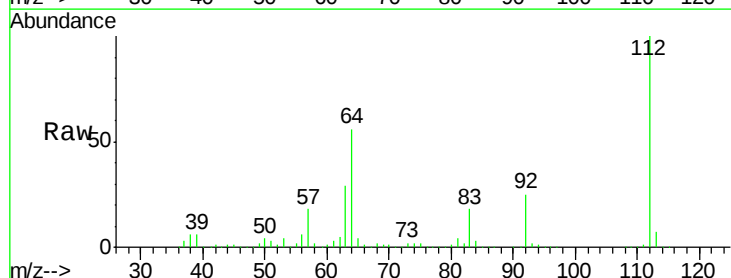
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



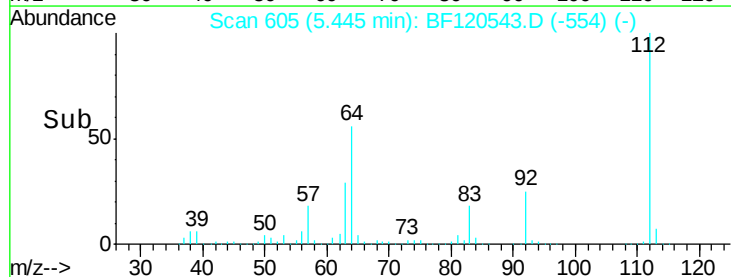
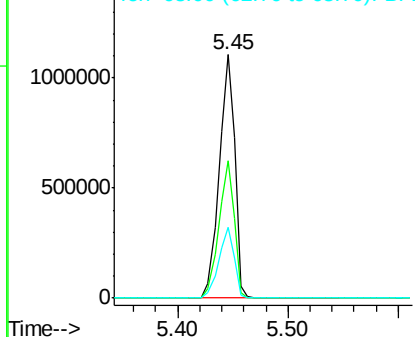
#5

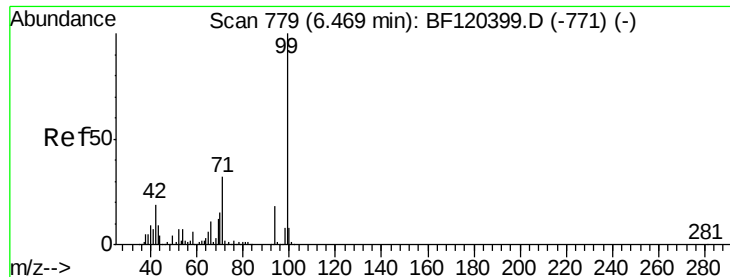
2-Fluorophenol
Concen: 100.444 ng
RT: 5.45 min Scan# 605
Delta R.T. -0.00 min
Lab File: BF120543.D
Acq: 4 Jun 2020 19:45

Tgt Ion:112 Resp: 1078965
Ion Ratio Lower Upper
112 100
64 56.4 47.2 70.8
63 29.1 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: 102.351 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120543.D

Acq: 4 Jun 2020 19:45

Instrument :

BNA_F

ClientSampleId :

NM24-COMP-2020-0-6RE

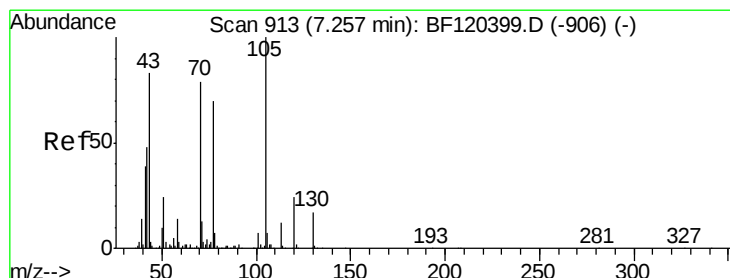
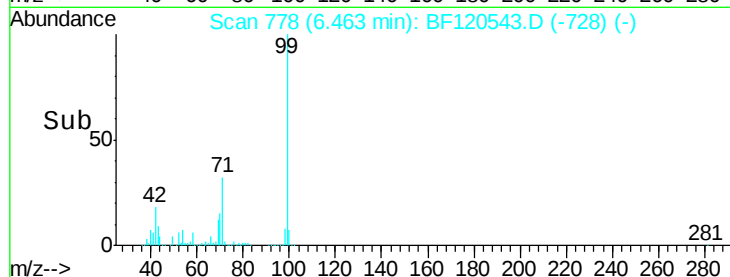
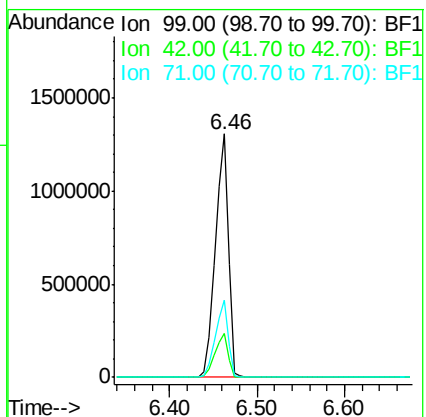
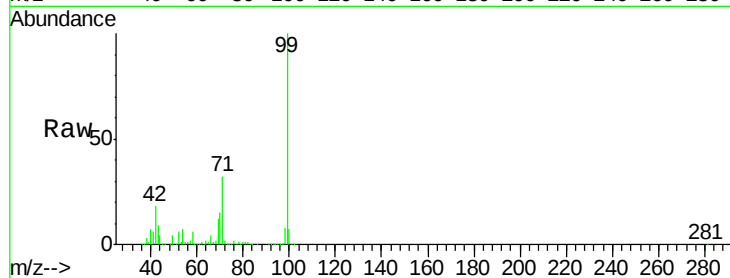
Tot Ion: 99 Resp: 1355142

Ion Ratio Lower Upper

99 100

42 18.2 15.0 22.6

71 32.0 27.0 40.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.435 ng

RT: 7.39 min Scan# 935

Delta R.T. 0.14 min

Lab File: BF120543.D

Acq: 4 Jun 2020 19:45

Tgt Ion: 70 Resp: 113076

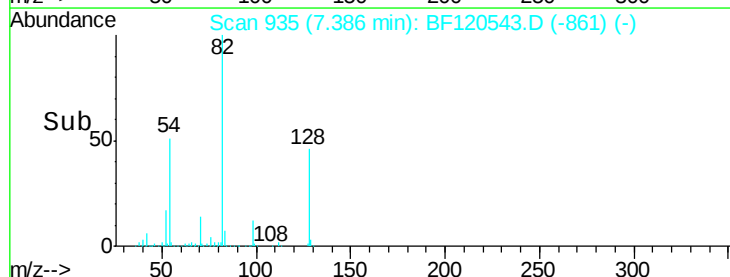
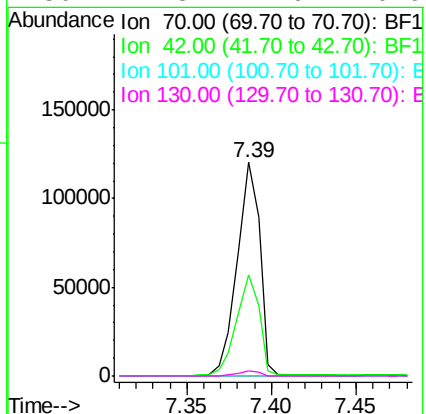
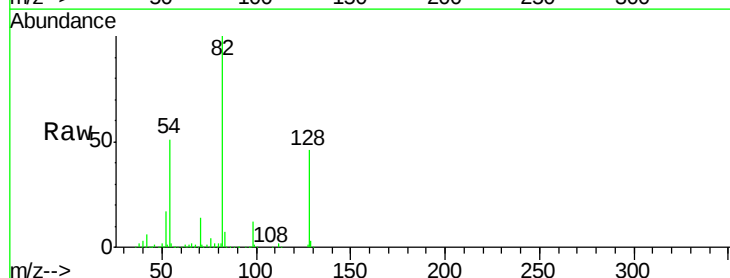
Ion Ratio Lower Upper

70 100

42 47.4 47.0 70.4

101 0.0 7.8 11.8#

130 2.3 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: BF120543.D

Acq: 4 Jun 2020 19:45

Instrument :

BNA_F

ClientSampleId :

NM24-COMP-2020-0-6RE

Tot Ion:136 Resp: 747138

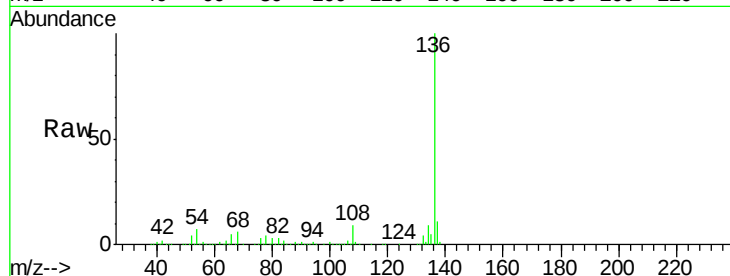
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 7.3 5.4 8.0

68 5.8 4.3 6.5

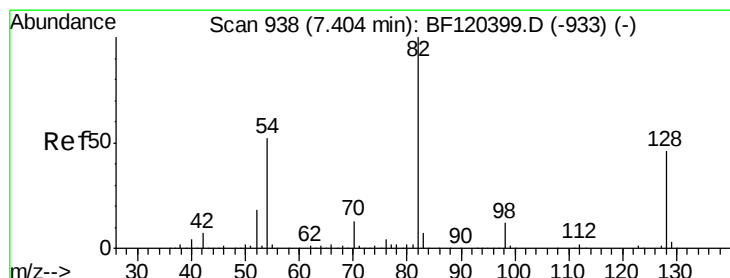
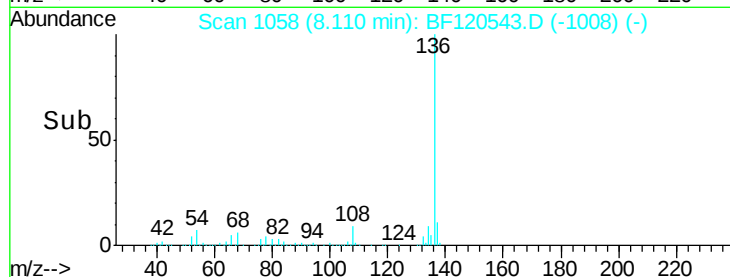
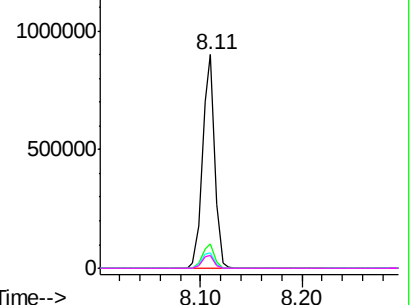


Abundance Ion 136.00 (135.70 to 136.70): E

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: 73.895 ng

RT: 7.39 min Scan# 935

Delta R.T. -0.01 min

Lab File: BF120543.D

Acq: 4 Jun 2020 19:45

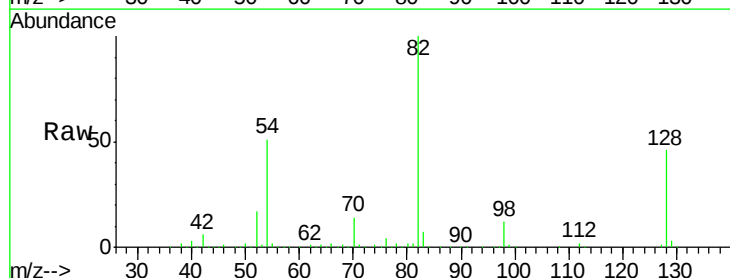
Tgt Ion: 82 Resp: 844022

Ion Ratio Lower Upper

82 100

128 46.0 36.7 55.1

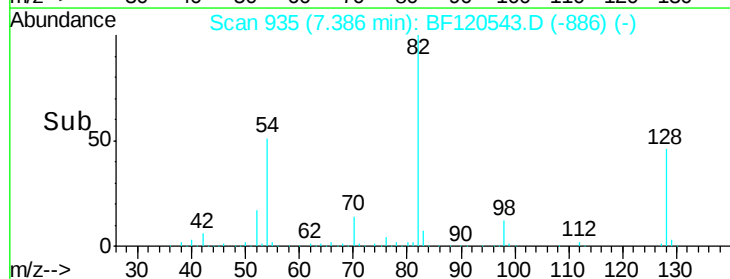
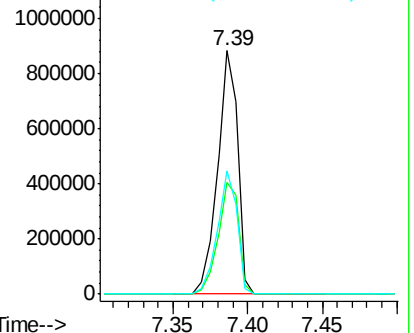
54 50.8 40.0 60.0



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: 36.603 ng

RT: 7.39 min Scan# 935

Delta R.T. -0.27 min

Lab File: BF120543.D

Acq: 4 Jun 2020 19:45

Instrument :

BNA_F

ClientSampleId :

NM24-COMP-2020-0-6RE

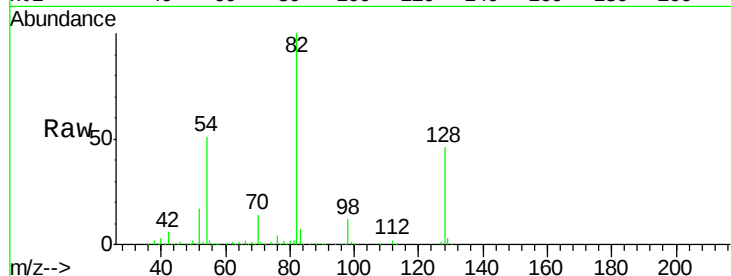
Tot Ion: 82 Resp: 840269

Ion Ratio Lower Upper

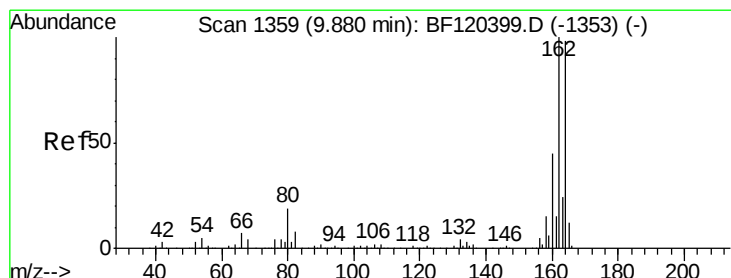
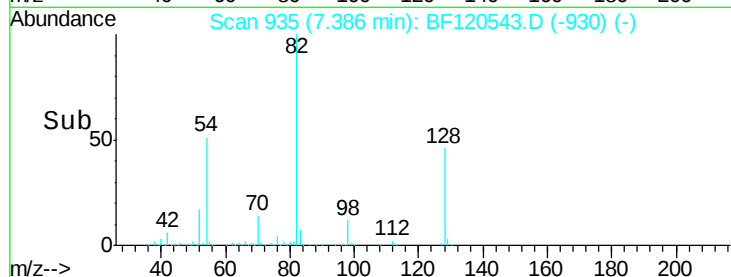
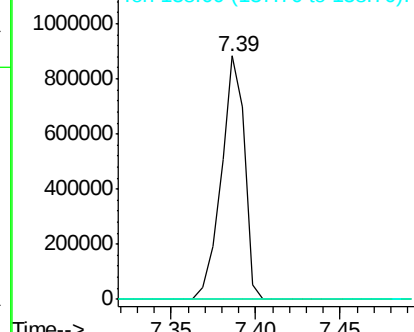
82 100

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: 9.86 min Scan# 1356

Delta R.T. -0.01 min

Lab File: BF120543.D

Acq: 4 Jun 2020 19:45

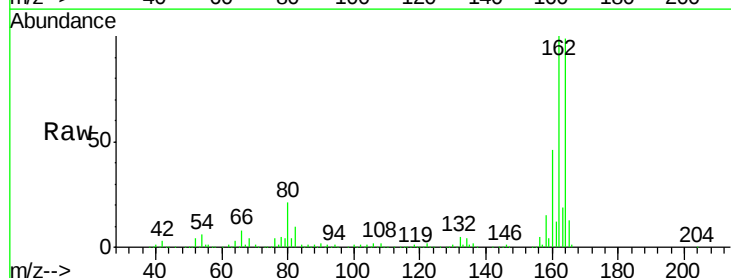
Tgt Ion: 164 Resp: 349270

Ion Ratio Lower Upper

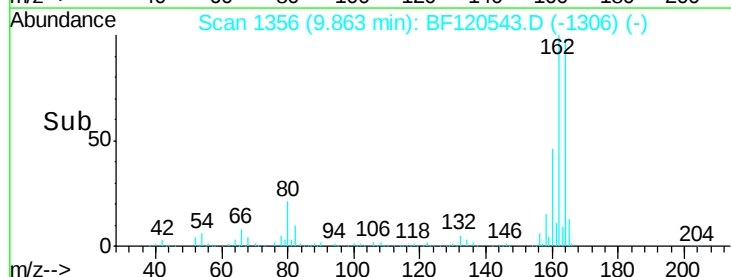
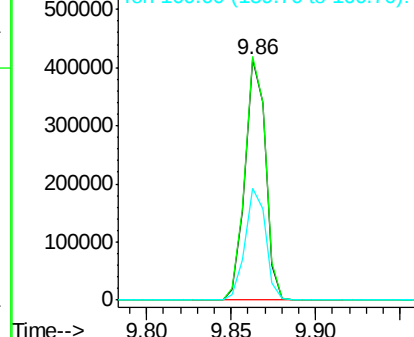
164 100

162 101.2 81.2 121.8

160 46.5 37.0 55.4



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

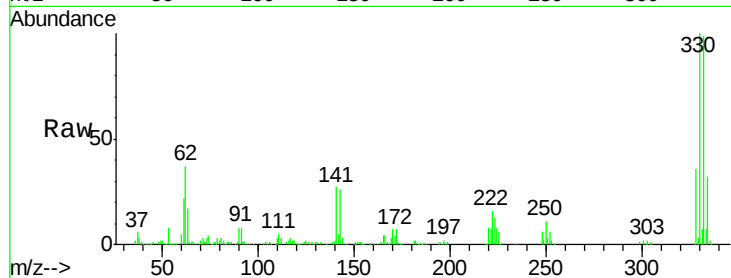




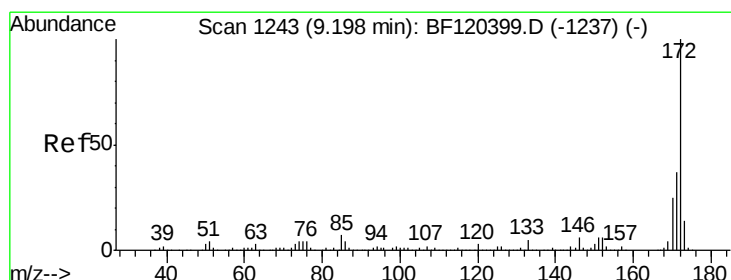
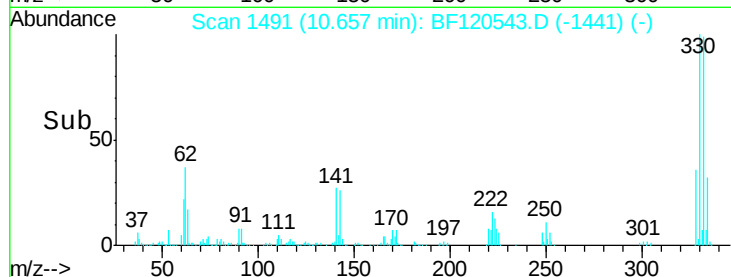
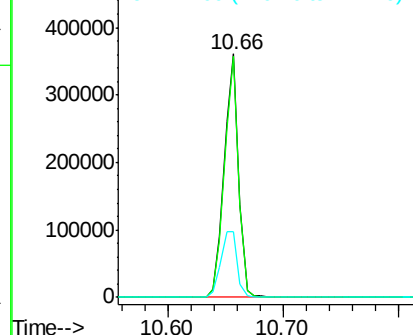
#42
 2,4,6-Tribromophenol
 Concen: 95.996 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120543.D
 Acq: 4 Jun 2020 19:45

Instrument :
 BNA_F
 ClientSampleId :
 NM24-COMP-2020-0-6RE

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.4
141	31.2	23.8	35.8

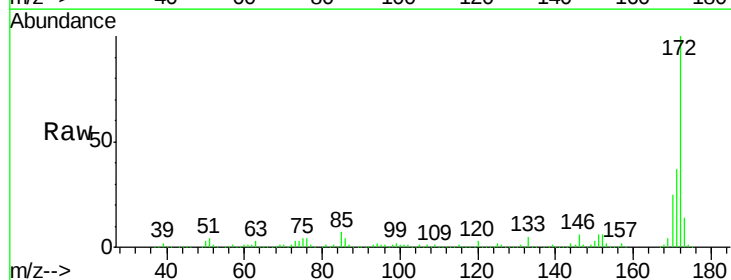


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

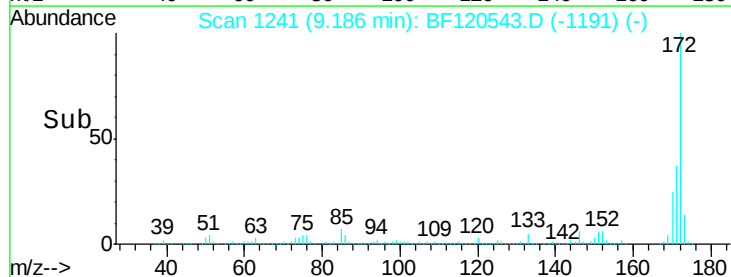
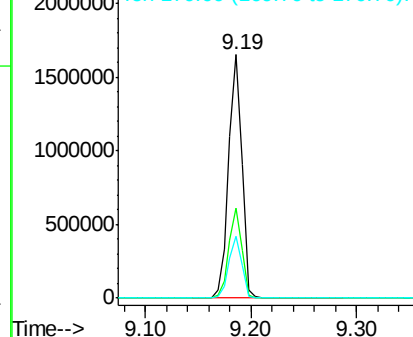


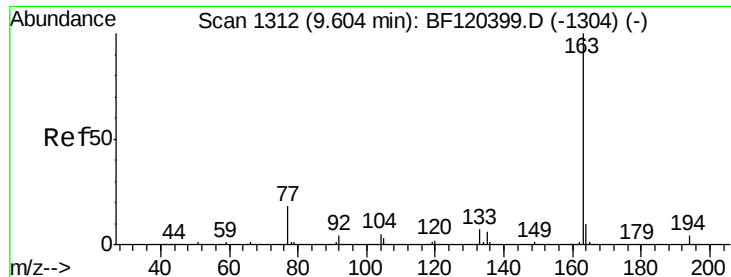
#45
 2-Fluorobiphenyl
 Concen: 70.938 ng
 RT: 9.19 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: BF120543.D
 Acq: 4 Jun 2020 19:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.5	44.3
170	25.3	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

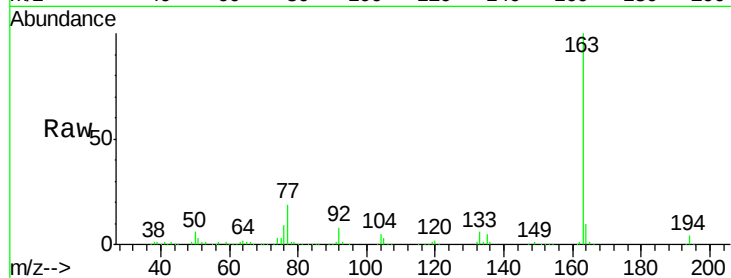




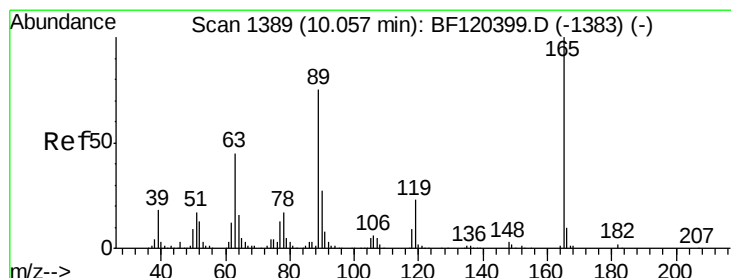
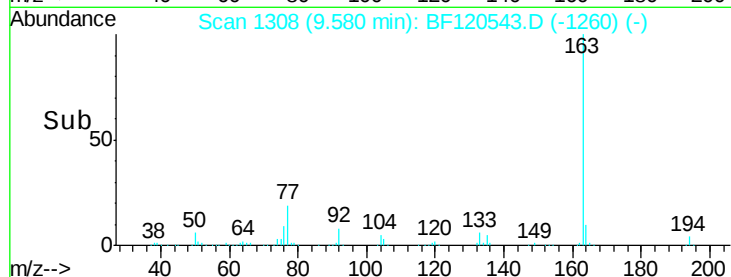
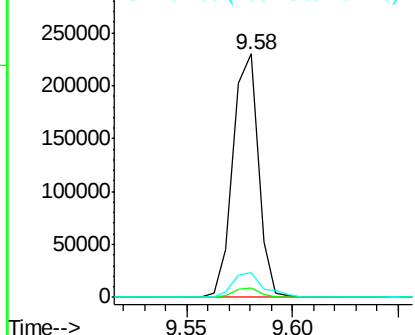
#50
Dimethylphthalate
Concen: 8.755 ng
RT: 9.58 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF120543.D
Acq: 4 Jun 2020 19:45

Instrument :
BNA_F
ClientSampleId :
NM24-COMP-2020-0-6RE

Tot Ion:163 Resp: 191167
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 10.2 8.0 12.0

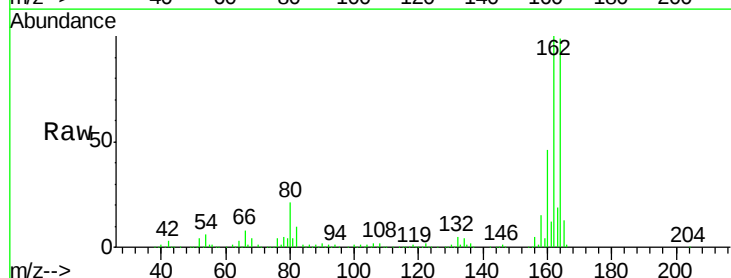


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

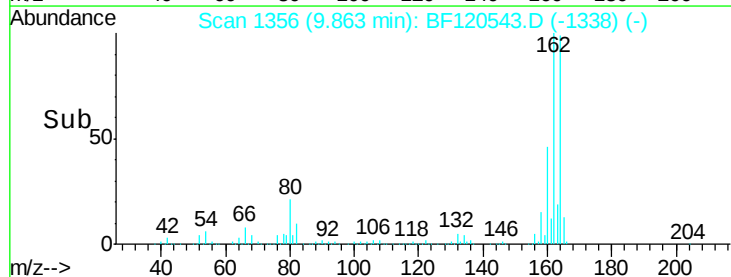
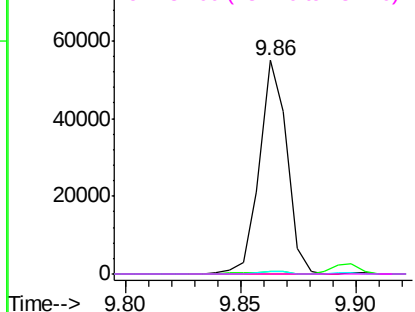


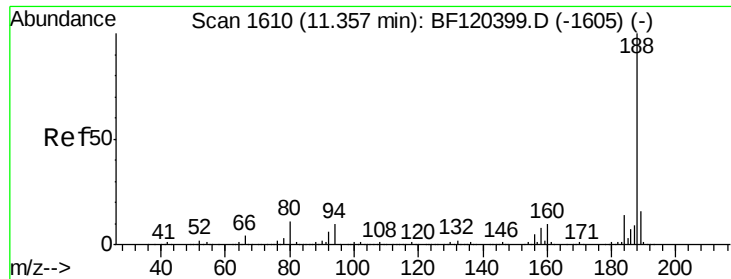
#57
2,4-Dinitrotoluene
Concen: 7.361 ng
RT: 9.86 min Scan# 1356
Delta R.T. -0.19 min
Lab File: BF120543.D
Acq: 4 Jun 2020 19:45

Tgt Ion:165 Resp: 45714
Ion Ratio Lower Upper
165 100
63 1.2 34.1 51.1#
89 1.5 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: BF120543.D

Acq: 4 Jun 2020 19:45

Instrument :

BNA_F

ClientSampleId :

NM24-COMP-2020-0-6RE

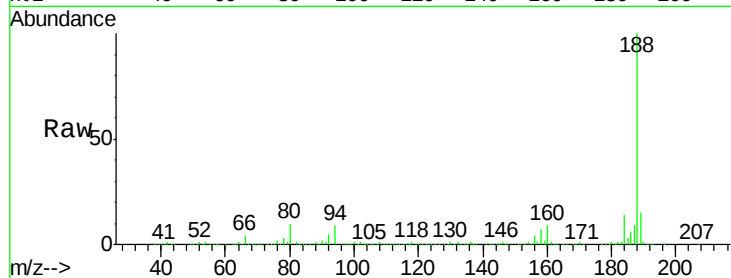
Tot Ion:188 Resp: 535017

Ion Ratio Lower Upper

188 100

94 9.4 7.4 11.2

80 10.2 7.6 11.4



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

11.35

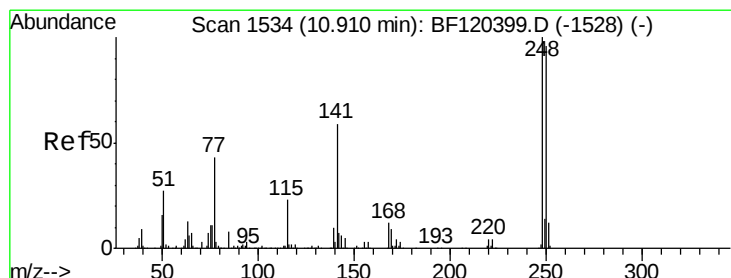
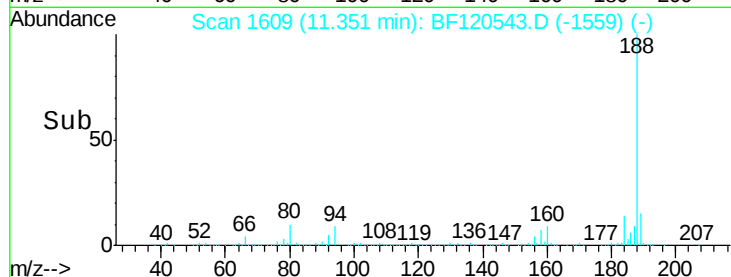
600000

400000

200000

0

Time--> 11.30 11.35 11.40



#67

4-Bromophenyl-phenylether

Concen: 3.498 ng

RT: 10.66 min Scan# 1491

Delta R.T. -0.25 min

Lab File: BF120543.D

Acq: 4 Jun 2020 19:45

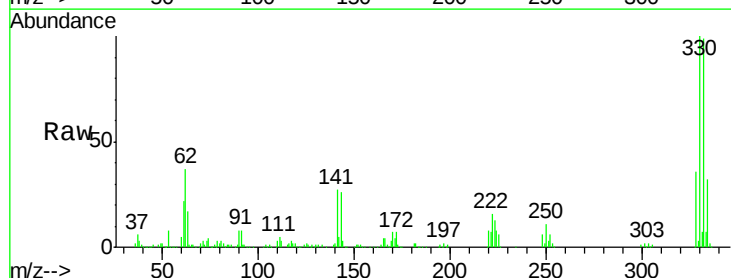
Tgt Ion:248 Resp: 18892

Ion Ratio Lower Upper

248 100

250 188.8 77.4 116.0#

141 447.7 46.1 69.1#



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

10.66

120000

100000

80000

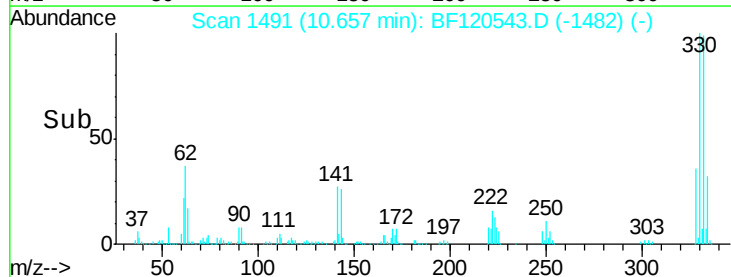
60000

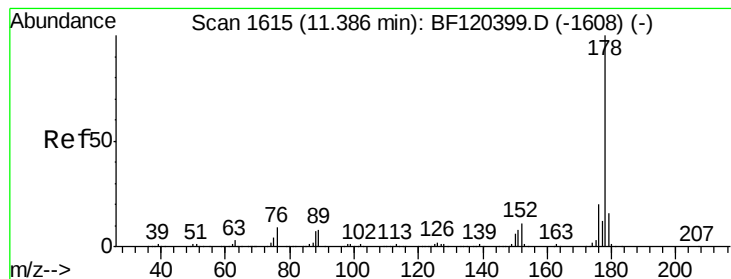
40000

20000

0

Time--> 10.65





#71

Phenanthrene

Concen: 15.640 ng

RT: 11.37 min Scan# 1613

Delta R.T. -0.01 min

Lab File: BF120543.D

Acq: 4 Jun 2020 19:45

Instrument :

BNA_F

ClientSampleId :

NM24-COMP-2020-0-6RE

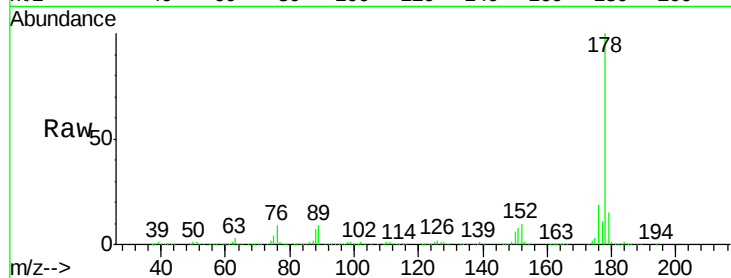
Tot Ion:178 Resp: 368699

Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.2
179	15.3	12.8	19.2

178 100

176 19.4 16.2 24.2

179 15.3 12.8 19.2

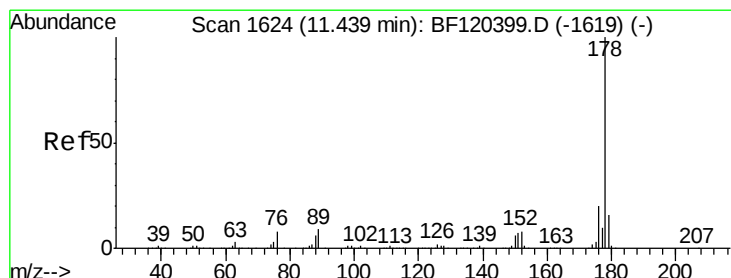
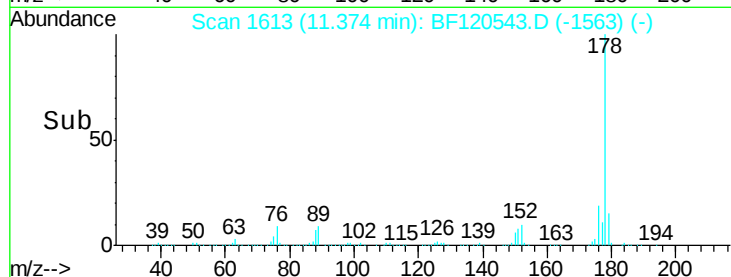
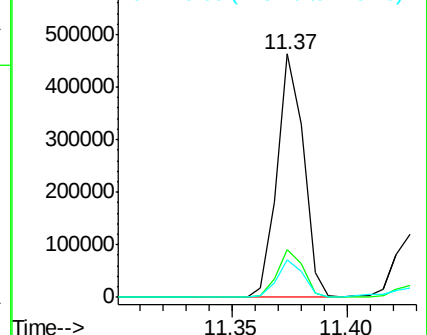


Abundance

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: 3.948 ng

RT: 11.43 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BF120543.D

Acq: 4 Jun 2020 19:45

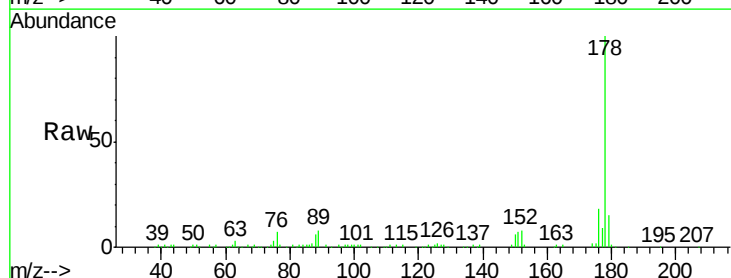
Tgt Ion:178 Resp: 93390

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.6
179	15.0	12.9	19.3

178 100

176 18.2 15.8 23.6

179 15.0 12.9 19.3

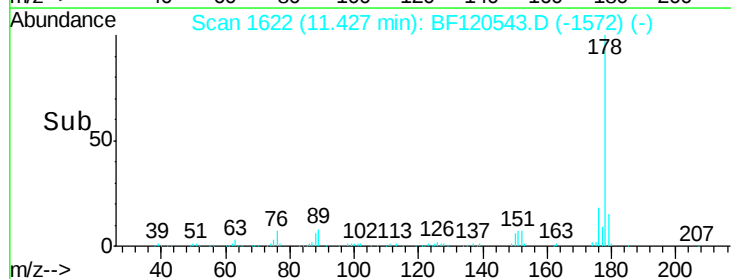
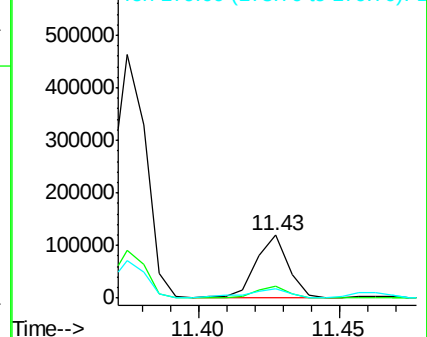


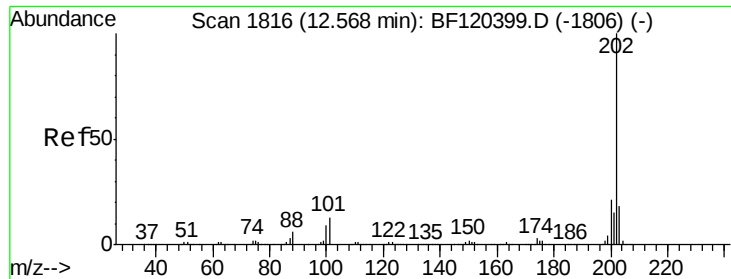
Abundance

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: 28.989 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.00 min

Lab File: BF120543.D

Acq: 4 Jun 2020 19:45

Instrument :

BNA_F

ClientSampleId :

NM24-COMP-2020-0-6RE

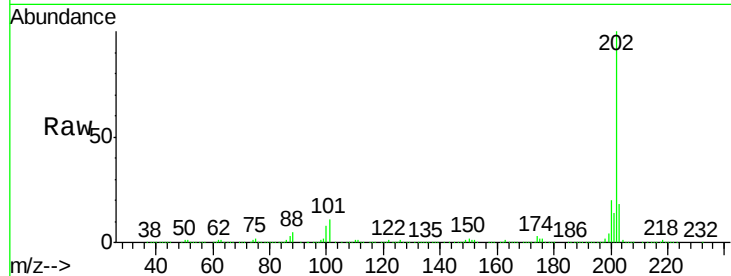
Tot Ion:202 Resp: 735355

Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.3

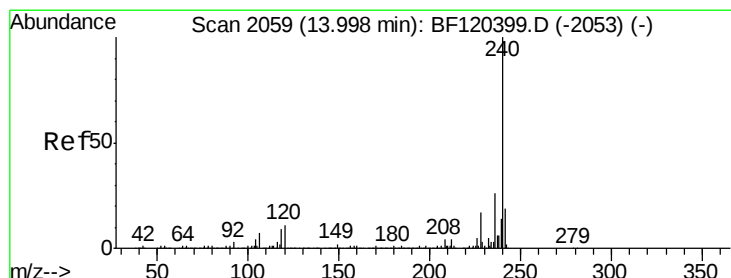
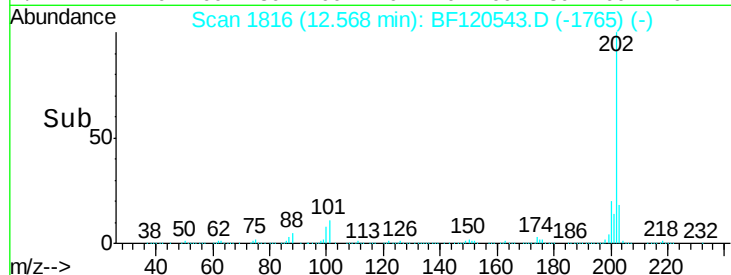
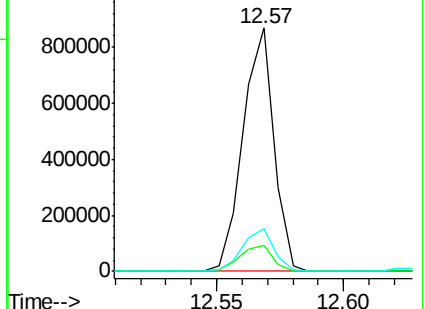
203 17.7 0.0 38.4



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: BF120543.D

Acq: 4 Jun 2020 19:45

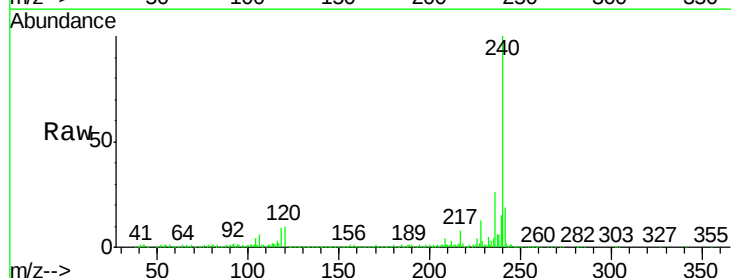
Tgt Ion:240 Resp: 411677

Ion Ratio Lower Upper

240 100

120 10.2 7.7 11.5

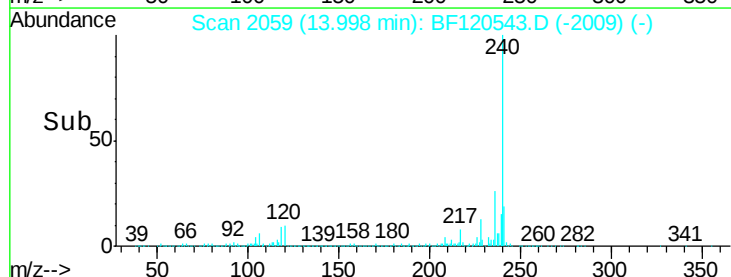
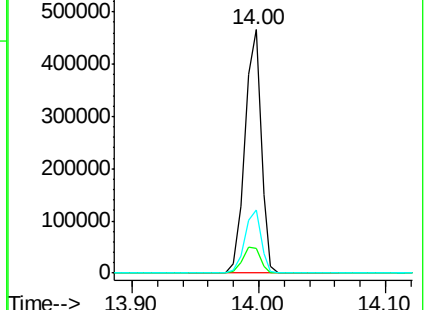
236 25.7 20.8 31.2

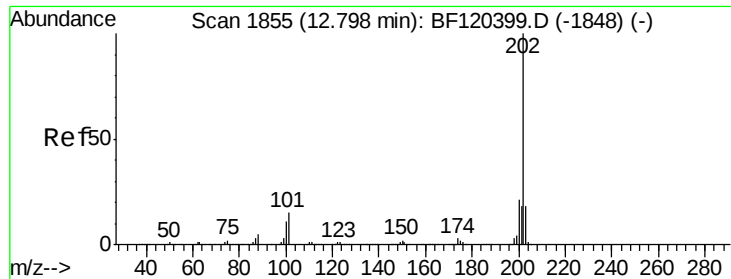


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 24.317 ng

RT: 12.80 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF120543.D

Acq: 4 Jun 2020 19:45

Instrument :

BNA_F

ClientSampleId :

NM24-COMP-2020-0-6RE

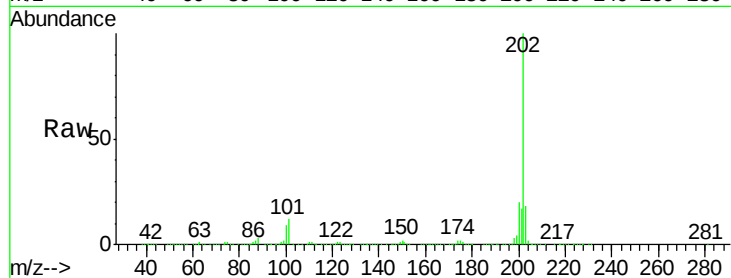
Tot Ion:202 Resp: 696178

Ion Ratio Lower Upper

202 100

200 20.2 17.0 25.6

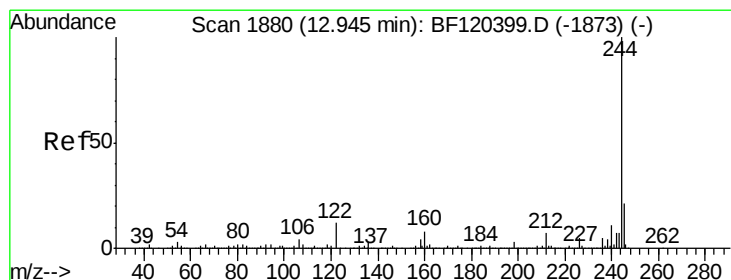
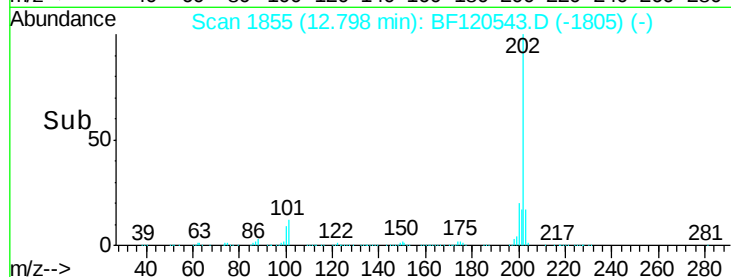
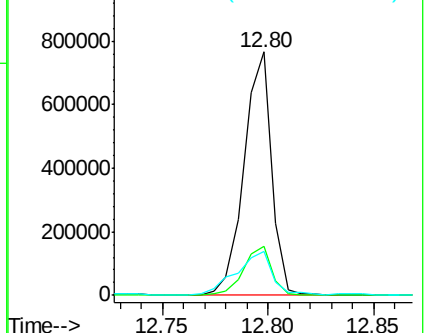
203 17.9 14.2 21.2



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: 67.631 ng

RT: 12.94 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BF120543.D

Acq: 4 Jun 2020 19:45

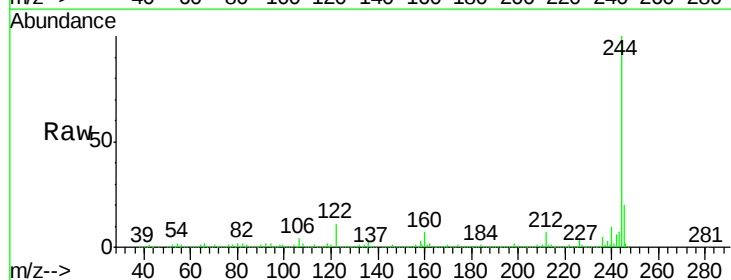
Tgt Ion:244 Resp: 1251192

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

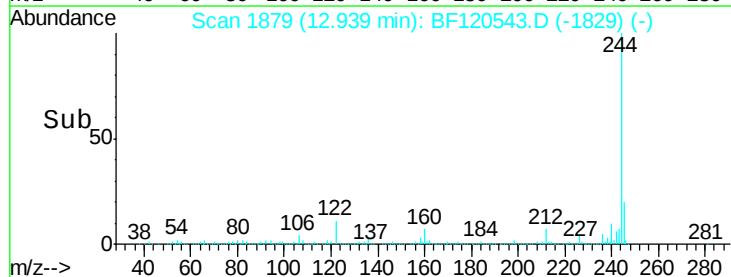
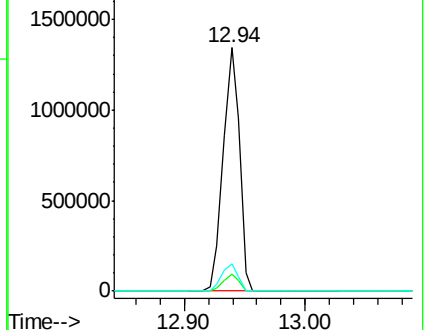
122 11.4 8.0 12.0

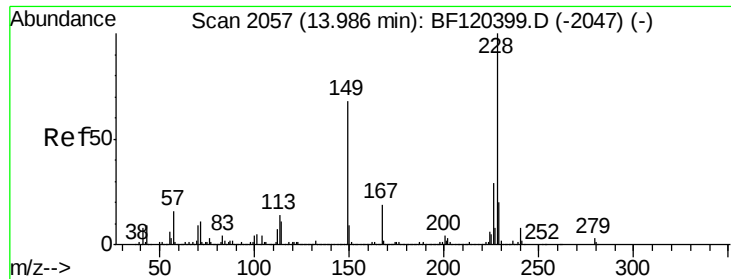


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

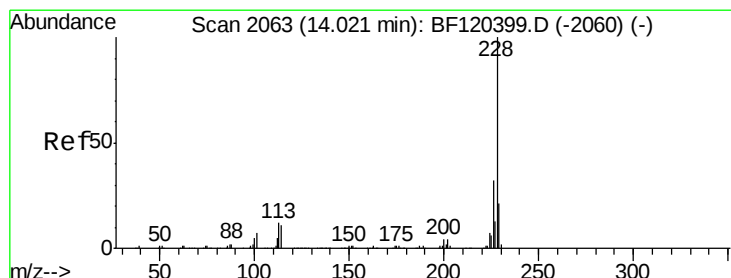
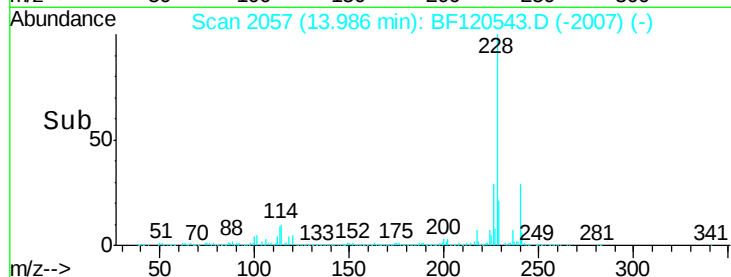
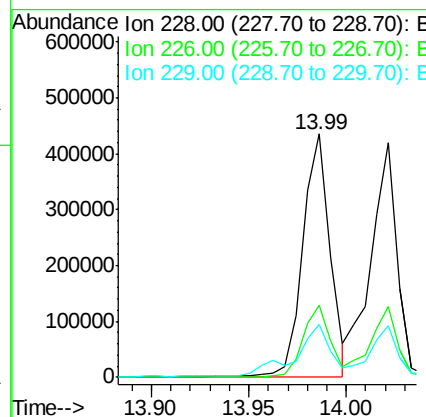
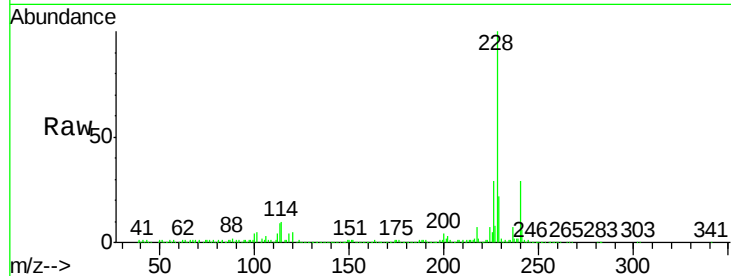




#81
Benzo(a)anthracene
Concen: 19.002 ng
RT: 13.99 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BF120543.D
Acq: 4 Jun 2020 19:45

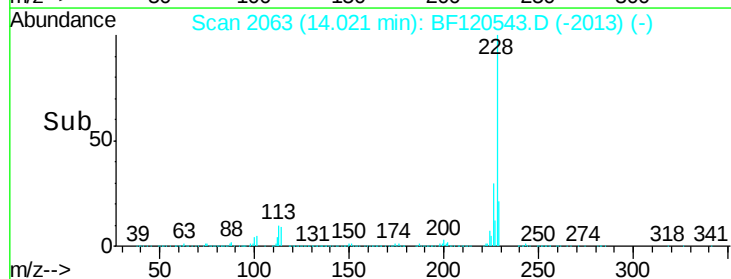
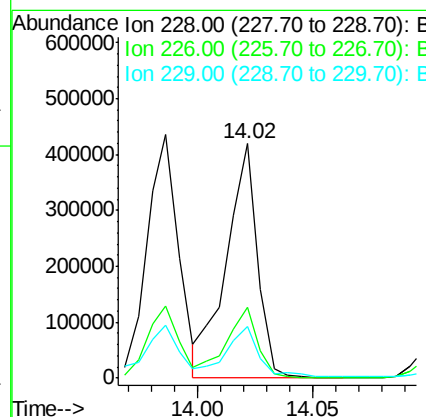
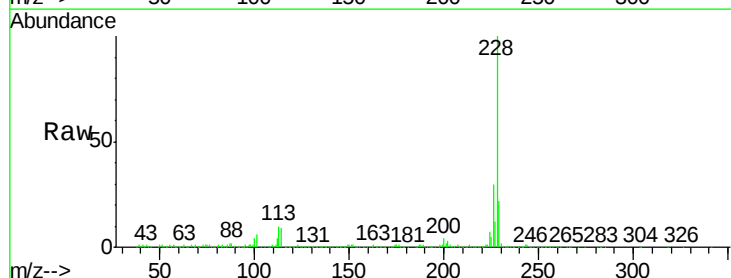
Instrument :
BNA_F
ClientSampleId :
NM24-COMP-2020-0-6RE

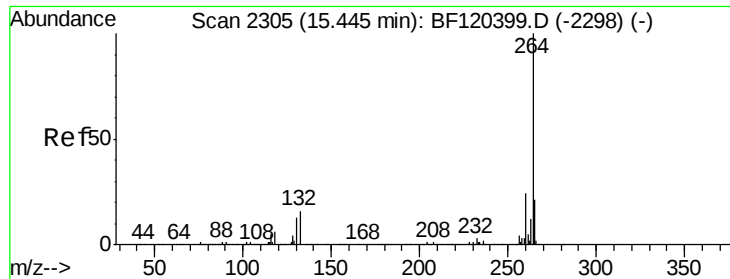
Tot Ion:228 Resp: 419253
Ion Ratio Lower Upper
228 100
226 29.4 22.4 33.6
229 21.5 16.2 24.2



#83
Chrysene
Concen: 16.926 ng
RT: 14.02 min Scan# 2063
Delta R.T. -0.01 min
Lab File: BF120543.D
Acq: 4 Jun 2020 19:45

Tgt Ion:228 Resp: 391517
Ion Ratio Lower Upper
228 100
226 30.4 25.6 38.4
229 22.0 16.2 24.2

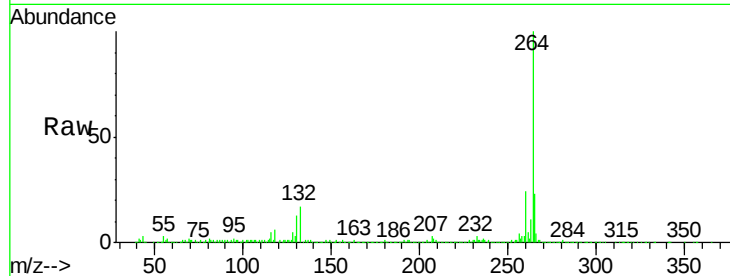




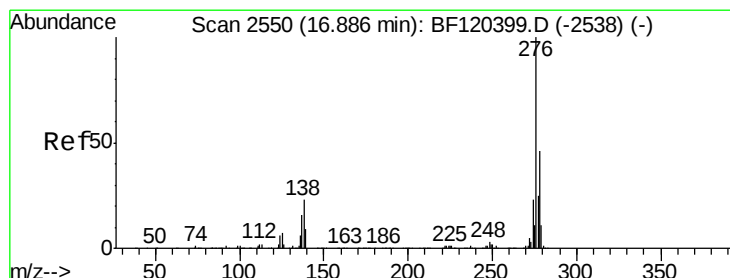
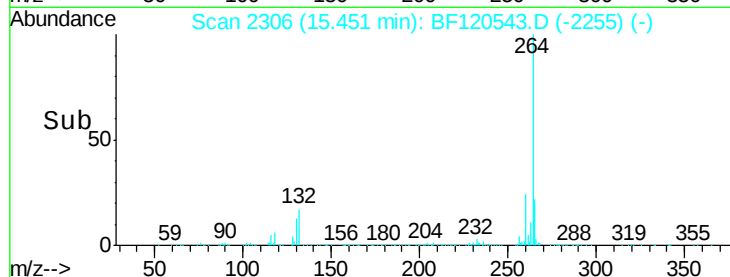
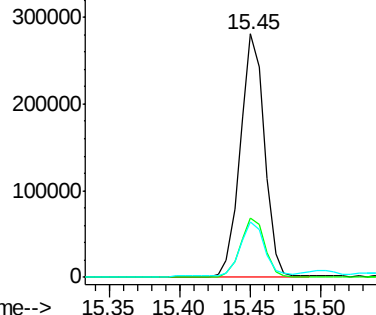
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. -0.00 min
Lab File: BF120543.D
Acq: 4 Jun 2020 19:45

Instrument :
BNA_F
ClientSampleId :
NM24-COMP-2020-0-6RE

Tot Ion:264 Resp: 338863
Ion Ratio Lower Upper
264 100
260 24.5 19.5 29.3
265 22.6 17.5 26.3

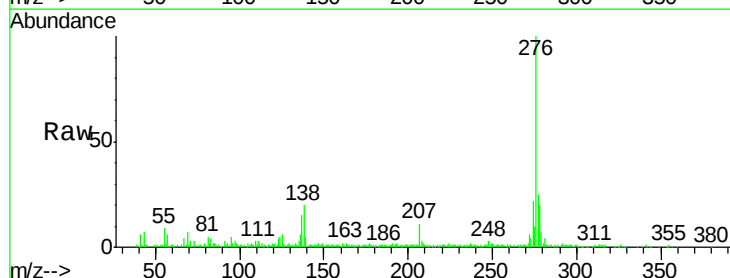


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

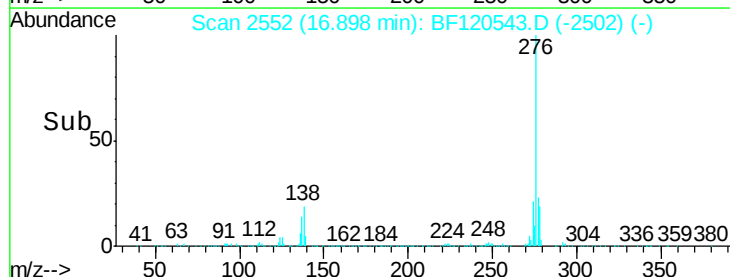
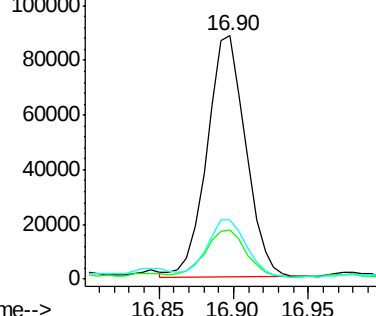


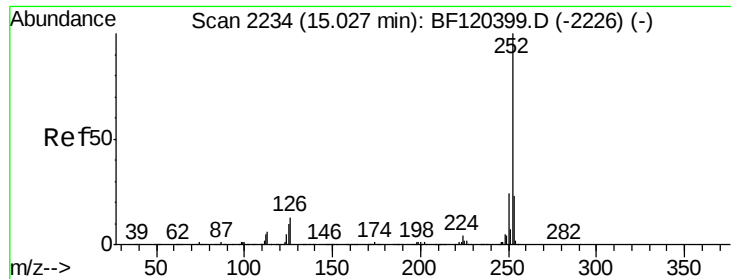
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.576 ng
RT: 16.90 min Scan# 2552
Delta R.T. -0.01 min
Lab File: BF120543.D
Acq: 4 Jun 2020 19:45

Tgt Ion:276 Resp: 158946
Ion Ratio Lower Upper
276 100
138 20.2 19.2 28.8
277 24.4 20.3 30.5



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

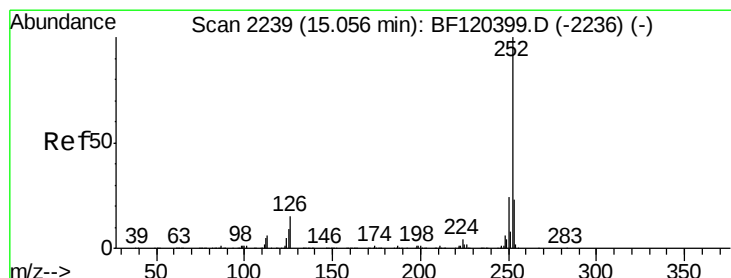
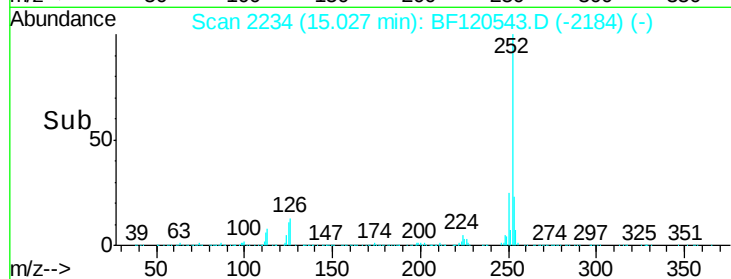
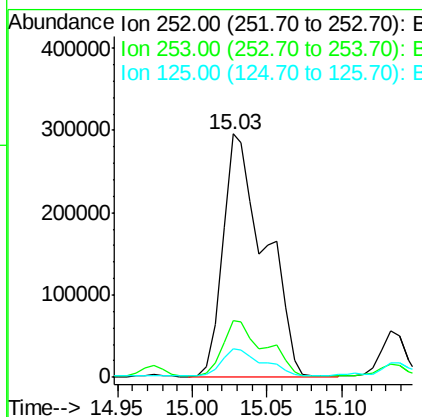
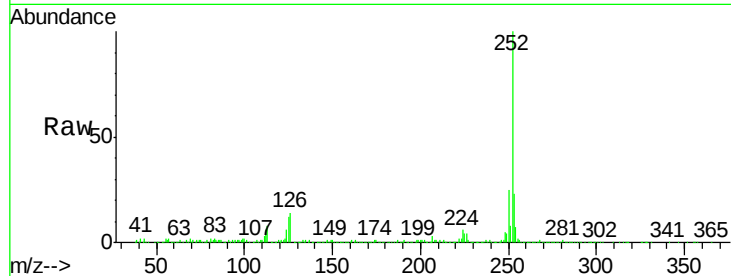




#88
Benzo(b)fluoranthene
Concen: 30.615 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF120543.D
Acq: 4 Jun 2020 19:45

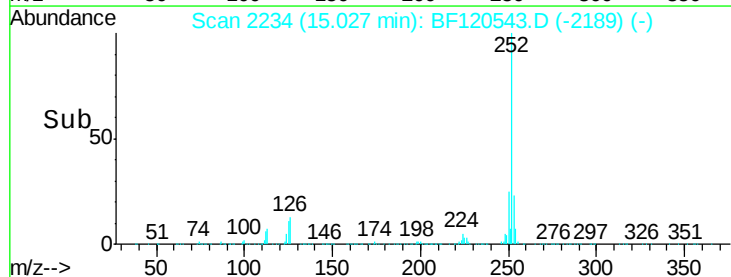
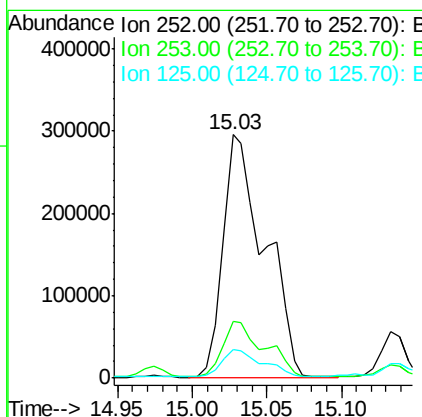
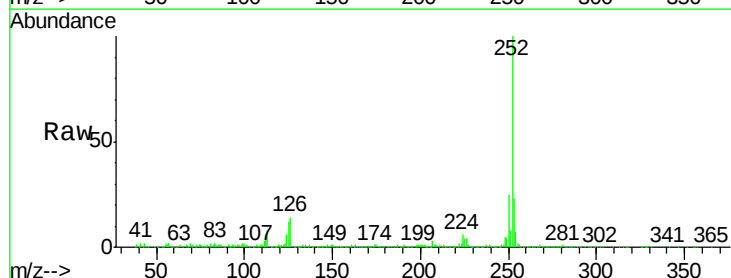
Instrument :
BNA_F
ClientSampleId :
NM24-COMP-2020-0-6RE

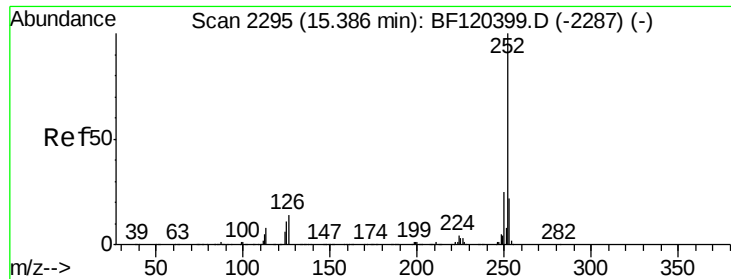
Tot Ion:252 Resp: 576221
Ion Ratio Lower Upper
252 100
253 23.3 18.0 27.0
125 11.6 8.3 12.5



#89
Benzo(k)fluoranthene
Concen: 32.794 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF120543.D
Acq: 4 Jun 2020 19:45

Tgt Ion:252 Resp: 576221
Ion Ratio Lower Upper
252 100
253 23.3 18.4 27.6
125 11.6 8.6 13.0





#90

Benzo(a)pyrene

Concen: 17.539 ng

RT: 15.39 min Scan# 2296

Delta R.T. -0.00 min

Lab File: BF120543.D

Acq: 4 Jun 2020 19:45

Instrument :

BNA_F

ClientSampleId :

NM24-COMP-2020-0-6RE

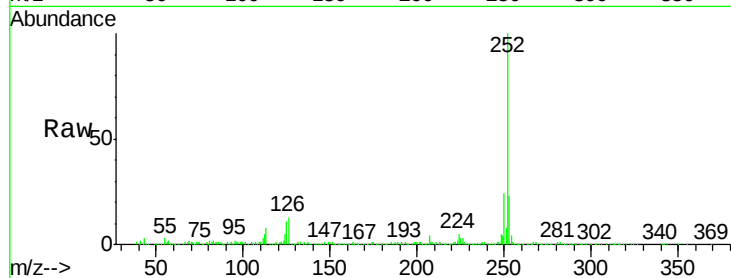
Tot Ion:252 Resp: 288752

Ion Ratio Lower Upper

252 100

253 22.6 18.2 27.2

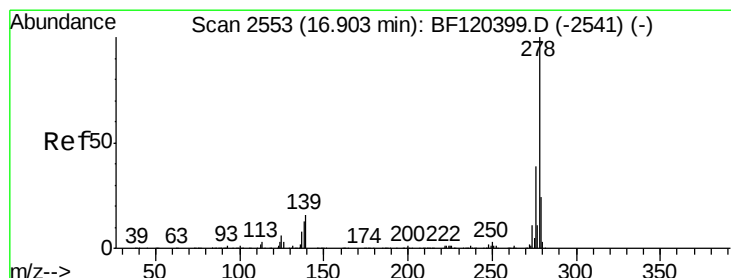
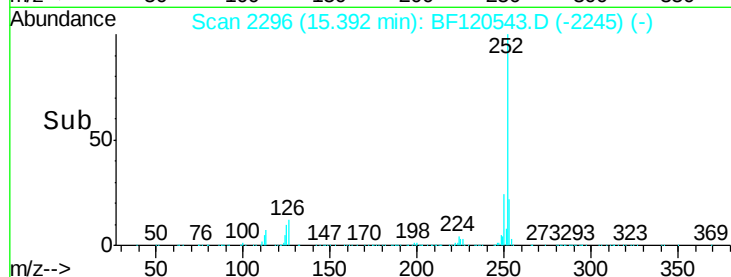
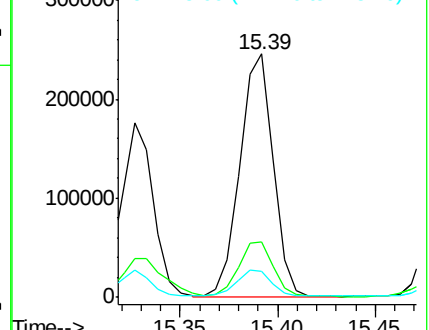
125 10.6 9.6 14.4



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



#91

Dibenzo(a,h)anthracene

Concen: 2.724 ng

RT: 16.91 min Scan# 2554

Delta R.T. -0.01 min

Lab File: BF120543.D

Acq: 4 Jun 2020 19:45

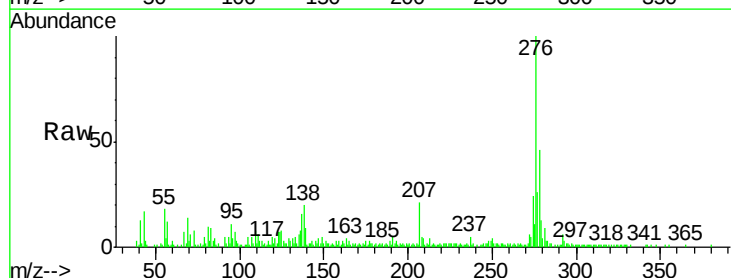
Tgt Ion:278 Resp: 41164

Ion Ratio Lower Upper

278 100

139 18.6 12.4 18.6#

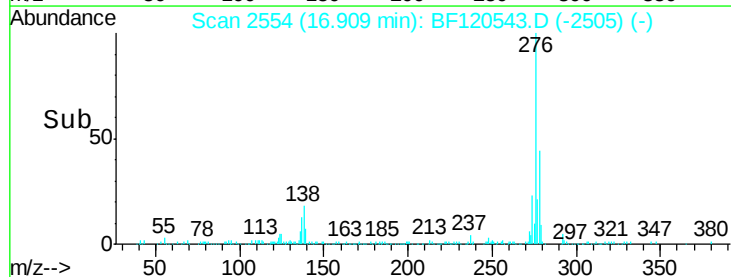
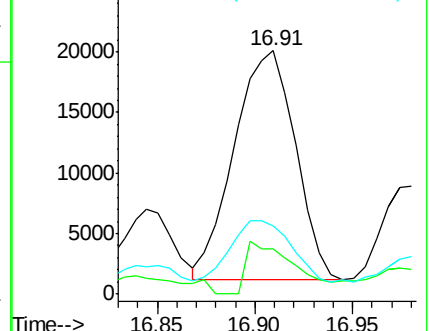
279 28.0 19.4 29.0

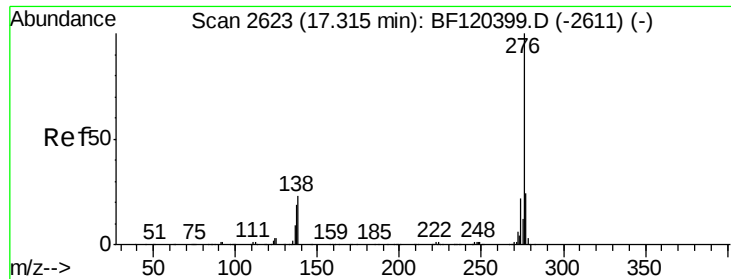


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 9.889 ng
 RT: 17.33 min Scan# 2626
 Delta R.T. -0.01 min
 Lab File: BF120543.D
 Acq: 4 Jun 2020 19:45

Instrument :
 BNA_F
 ClientSampleId :
 NM24-COMP-2020-0-6RE

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.3	28.9
138	20.9	16.9	25.3

