

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
 Data File : BF120413.D
 Acq On : 28 May 2020 17:36
 Operator : MA/SJ
 Sample : L2745-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM19-COMP-2020-0-6

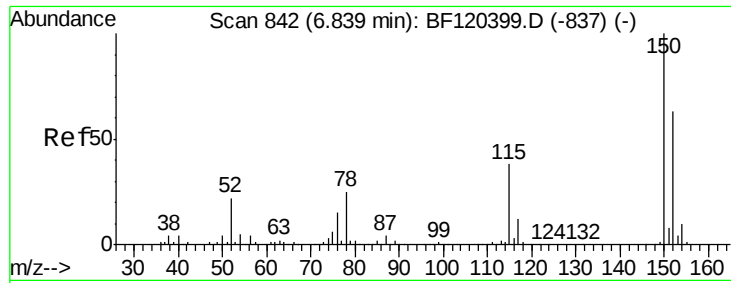
Quant Time: May 29 02:09:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 13:47:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	252471	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	888283	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	407785	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	679203	20.00	ng	0.00
76) Chrysene-d12	13.99	240	522257	20.00	ng	0.00
86) Perylene-d12	15.44	264	567260	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1308224	98.75	ng	0.00
7) Phenol-d6	6.46	99	1621752	99.32	ng	0.00
23) Nitrobenzene-d5	7.40	82	1057267	77.86	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	379780	100.52	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1840894	76.60	ng	0.00
79) Terphenyl-d14	12.94	244	1698748	72.38	ng	0.00

Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.40	70	142656	13.744	ng	# 79
25) Isophorone	7.40	82	1053578	38.602	ng	# 64
50) Dimethylphthalate	9.59	163	300727	11.796	ng	99
57) 2,4-Dinitrotoluene	9.87	165	54348	7.495	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	23784	3.469	ng	# 1
71) Phenanthrene	11.38	178	312631	10.446	ng	98
72) Anthracene	11.43	178	88900	2.961	ng	98
75) Fluoranthene	12.57	202	688057	21.366	ng	99
78) Pyrene	12.80	202	627247	17.270	ng	98
81) Benzo(a)anthracene	13.98	228	348940	12.467	ng	95
83) Chrysene	14.02	228	327660	11.166	ng	97
87) Indeno(1,2,3-cd)pyrene	16.87	276	206798	6.665	ng	94
88) Benzo(b)fluoranthene	15.02	252	623433	19.787	ng	# 98
89) Benzo(k)fluoranthene	15.02	252	623433	21.195	ng	# 98
90) Benzo(a)pyrene	15.38	252	327815	11.895	ng	97
92) Benzo(g,h,i)perylene	17.31	276	191961	7.694	ng	99

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

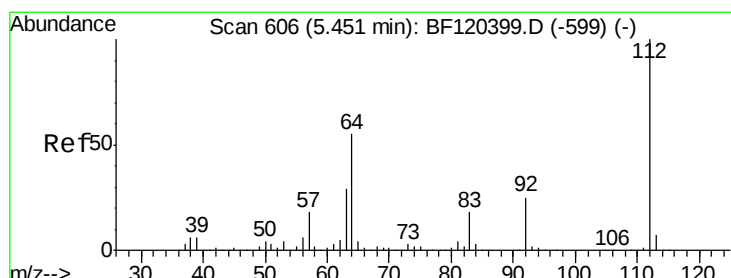
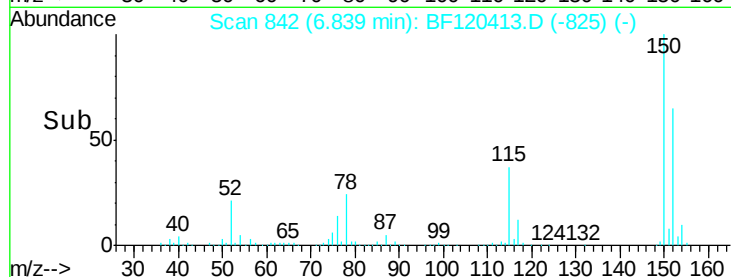
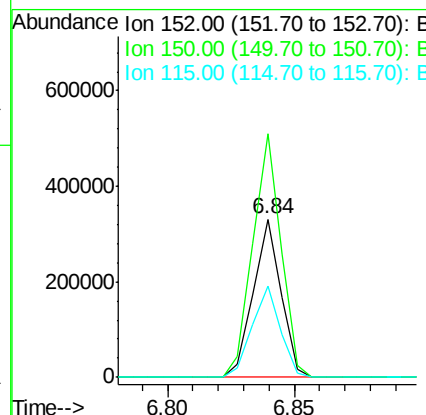
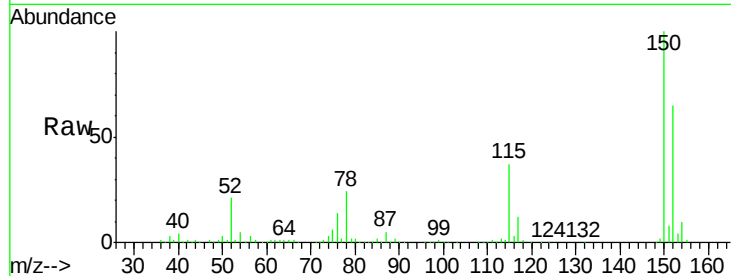


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. -0.00 min
Lab File: BF120413.D
Acq: 28 May 2020 17:36

Instrument :
BNA_F
ClientSampleId :
NM19-COMP-2020-0-6

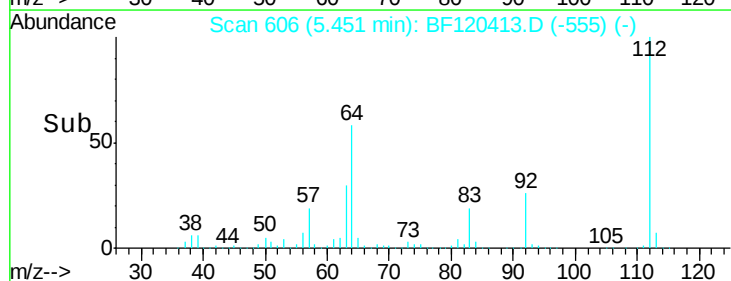
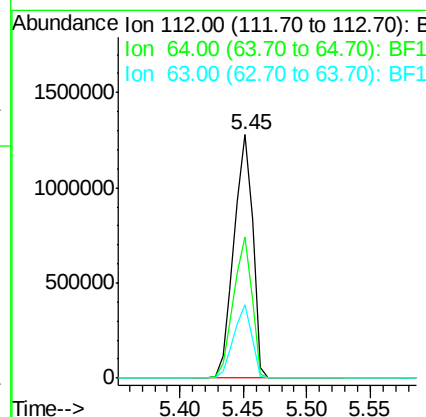
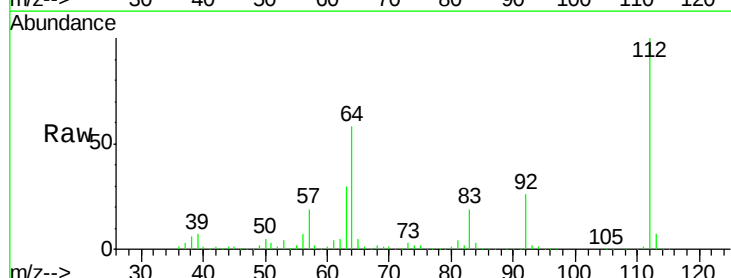
Tot Ion:152 Resp: 252471
Ion Ratio Lower Upper
152 100
150 154.1 126.5 189.7
115 57.6 47.6 71.4



#5

2-Fluorophenol
Concen: 98.750 ng
RT: 5.45 min Scan# 606
Delta R.T. -0.00 min
Lab File: BF120413.D
Acq: 28 May 2020 17:36

Tgt Ion:112 Resp: 1308224
Ion Ratio Lower Upper
112 100
64 58.2 44.3 66.5
63 30.4 22.9 34.3





#7

Phenol-d6

Concen: 99.318 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120413.D

Acq: 28 May 2020 17:36

Instrument :

BNA_F

ClientSampleId :

NM19-COMP-2020-0-6

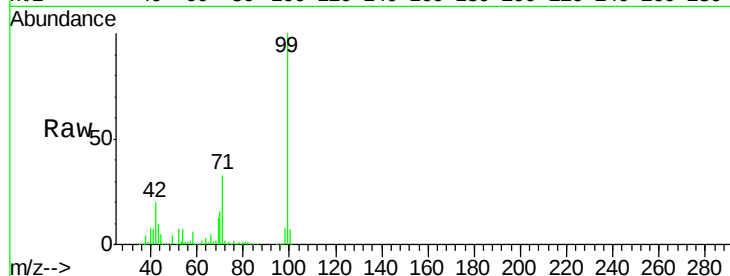
Tot Ion: 99 Resp: 1621752

Ion Ratio Lower Upper

99 100

42 19.8 15.2 22.8

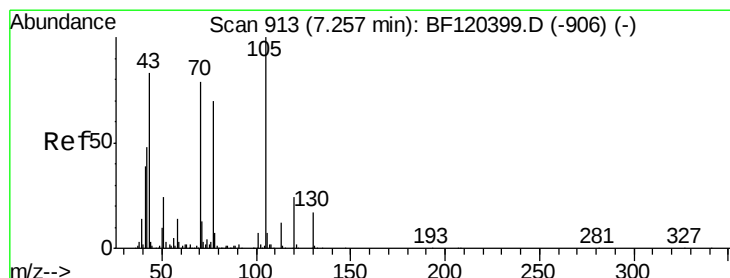
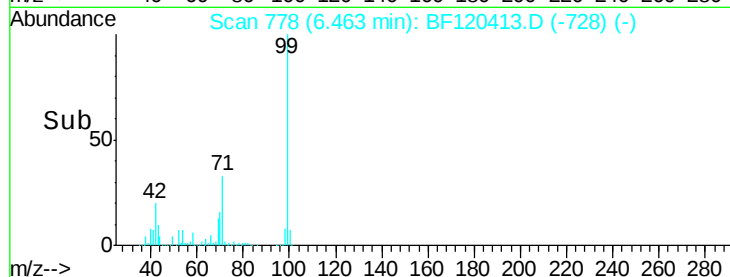
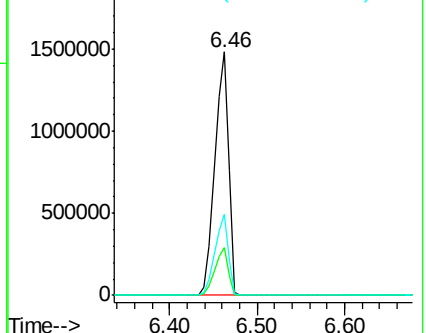
71 33.4 25.6 38.4



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: 13.744 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120413.D

Acq: 28 May 2020 17:36

Tgt Ion: 70 Resp: 142656

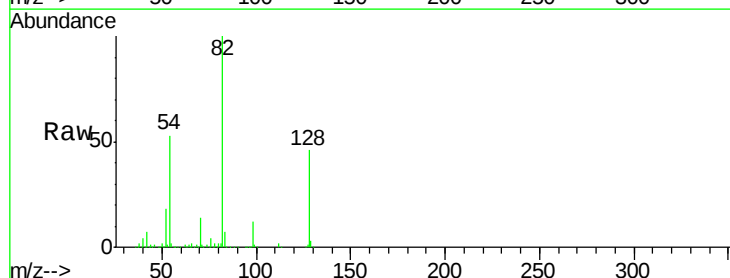
Ion Ratio Lower Upper

70 100

42 50.0 48.9 73.3

101 0.0 7.4 11.2#

130 2.5 16.8 25.2#

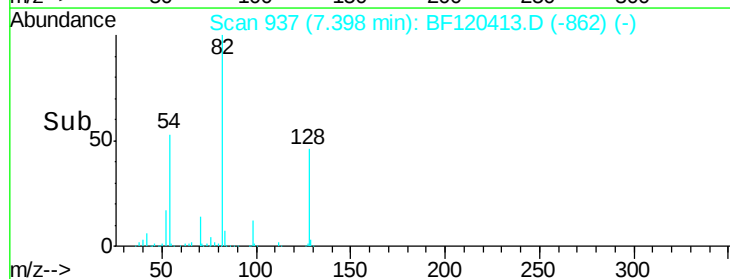
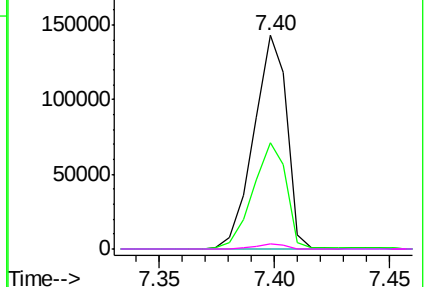


Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 1060

Delta R.T. -0.00 min

Lab File: BF120413.D

Acq: 28 May 2020 17:36

Instrument :

BNA_F

ClientSampleId :

NM19-COMP-2020-0-6

Tot Ion:136 Resp: 888283

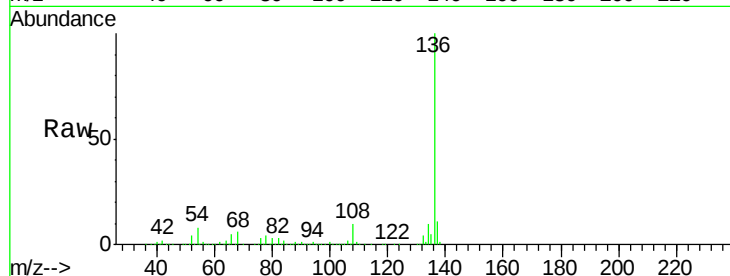
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 7.8 6.7 10.1

68 5.9 5.0 7.4

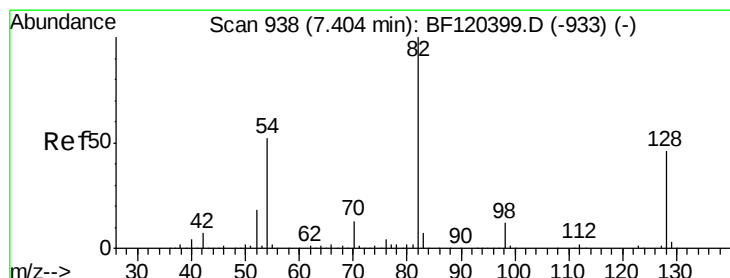
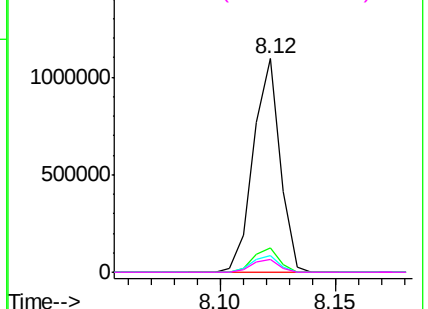
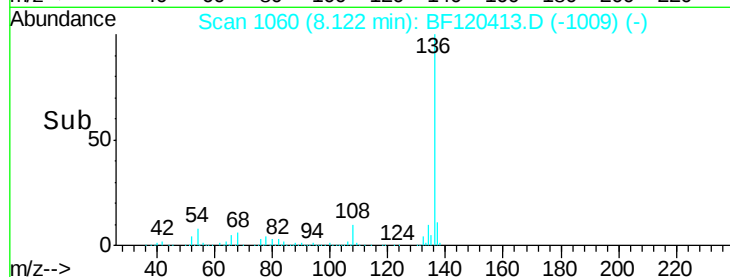


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.857 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120413.D

Acq: 28 May 2020 17:36

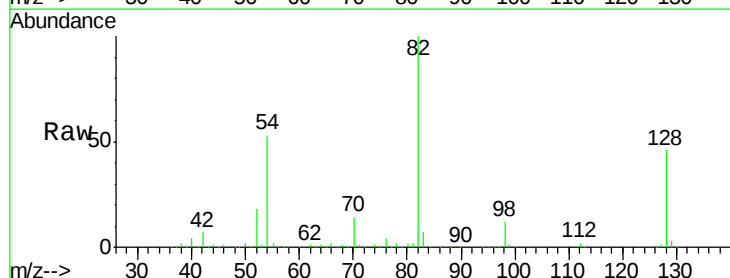
Tgt Ion: 82 Resp: 1057267

Ion Ratio Lower Upper

82 100

128 45.9 36.8 55.2

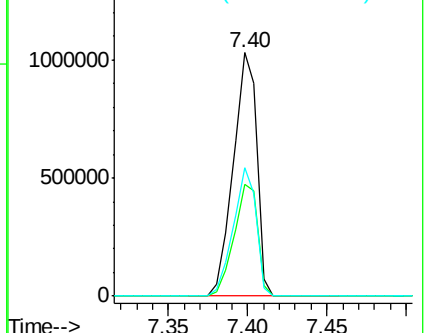
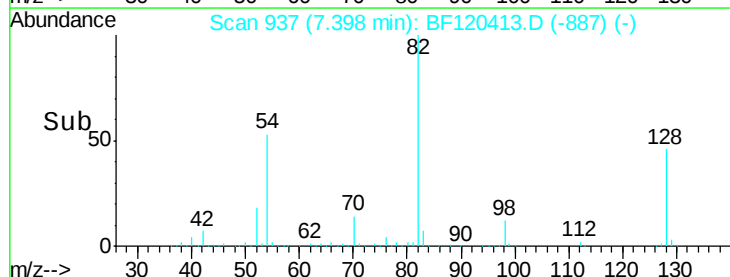
54 52.6 41.6 62.4

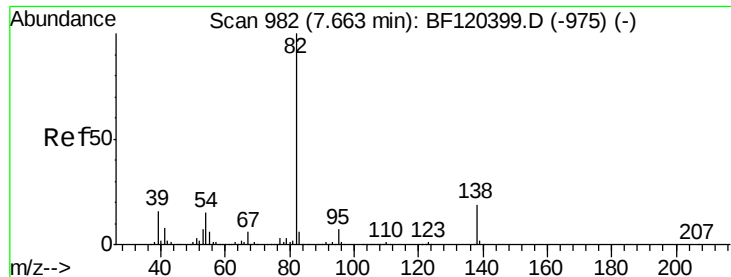


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.602 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120413.D

Acq: 28 May 2020 17:36

Instrument :

BNA_F

ClientSampleId :

NM19-COMP-2020-0-6

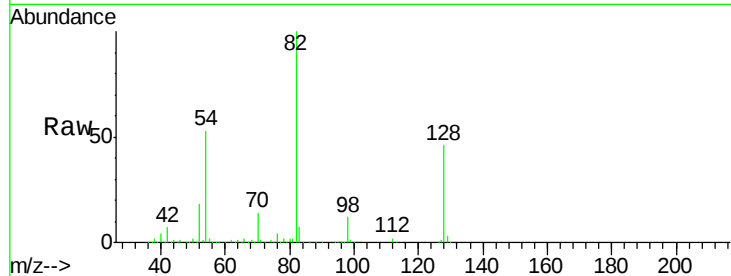
Tot Ion: 82 Resp: 1053578

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

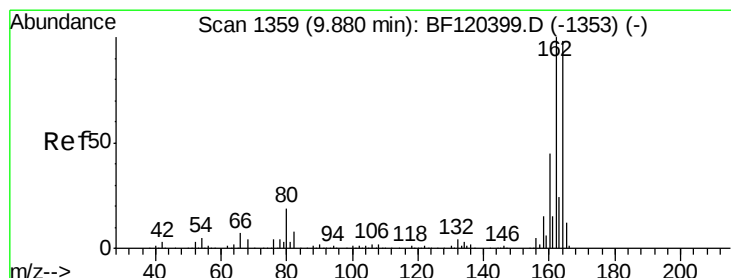
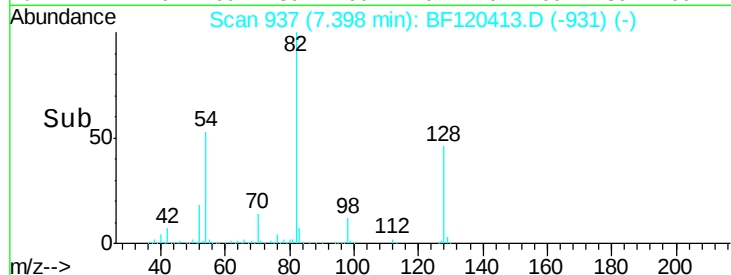
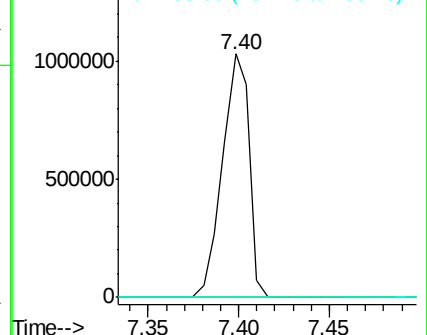
138 0.0 15.0 22.4#



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# 1358

Delta R.T. -0.01 min

Lab File: BF120413.D

Acq: 28 May 2020 17:36

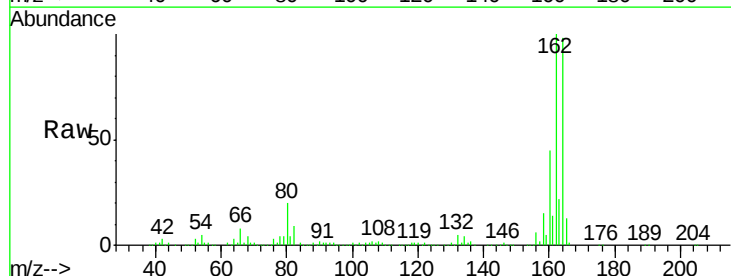
Tgt Ion: 164 Resp: 407785

Ion Ratio Lower Upper

164 100

162 102.2 81.3 121.9

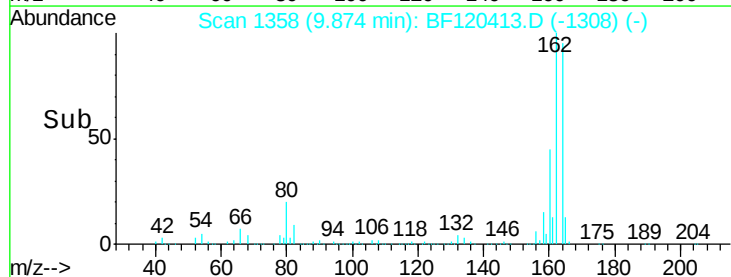
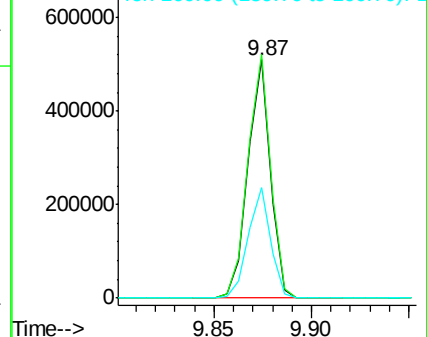
160 46.2 36.9 55.3

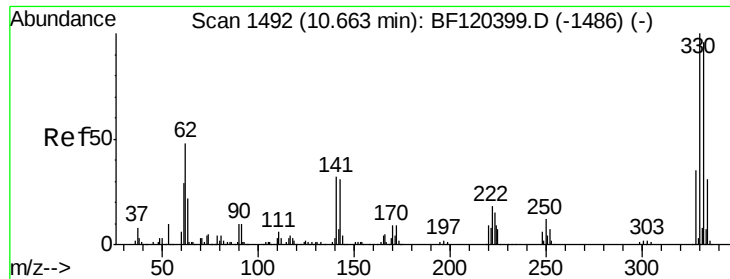


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

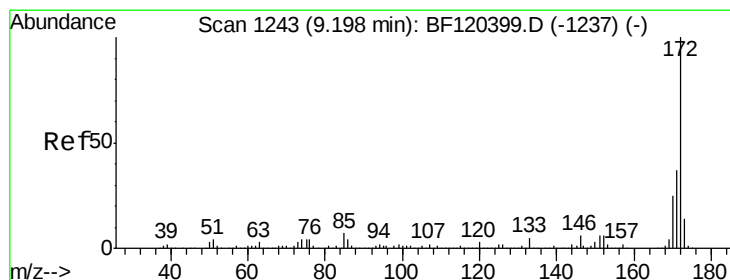
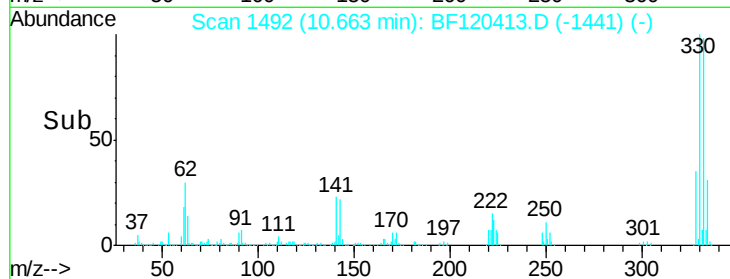
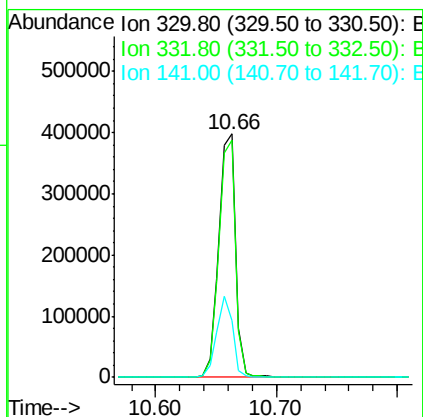
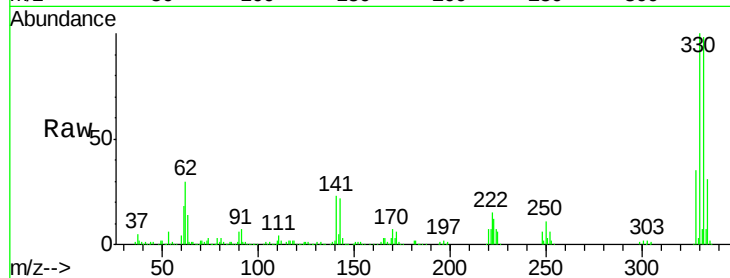




#42
 2,4,6-Tribromophenol
 Concen: 100.516 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: BF120413.D
 Acq: 28 May 2020 17:36

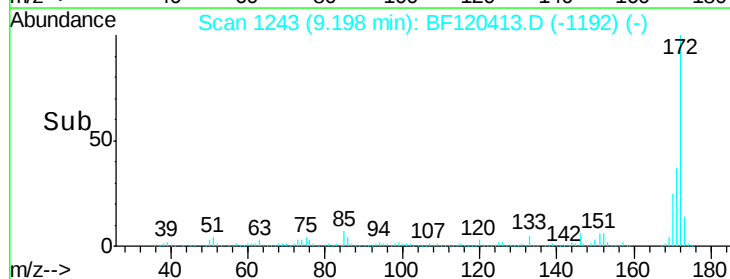
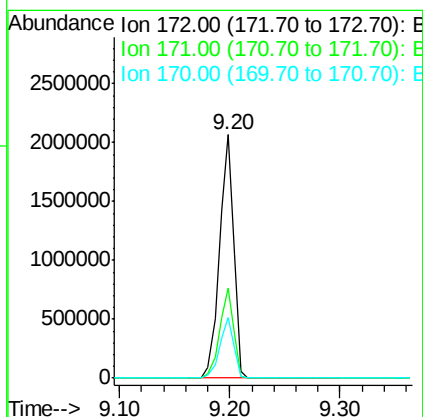
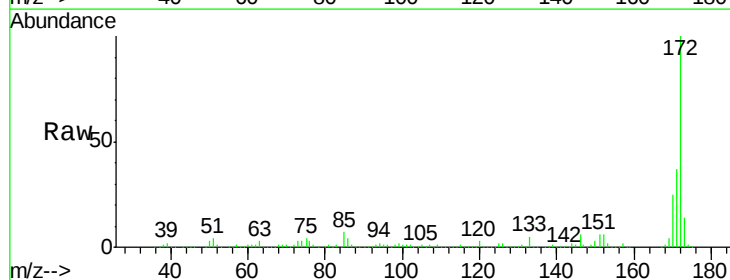
Instrument :
 BNA_F
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 NM19-COMP-2020-0-6

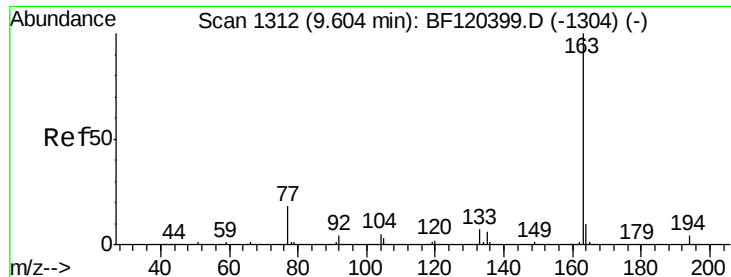
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	31.5	25.3	37.9



#45
 2-Fluorobiphenyl
 Concen: 76.595 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: BF120413.D
 Acq: 28 May 2020 17:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.7	44.5
170	24.6	19.9	29.9

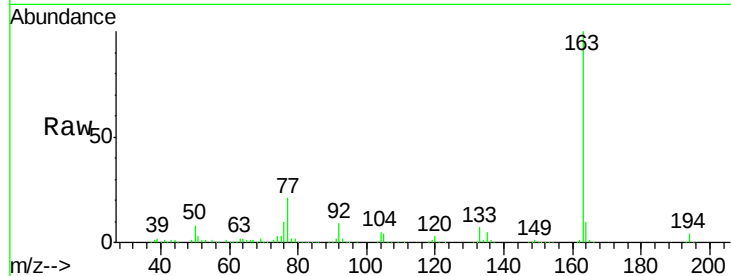




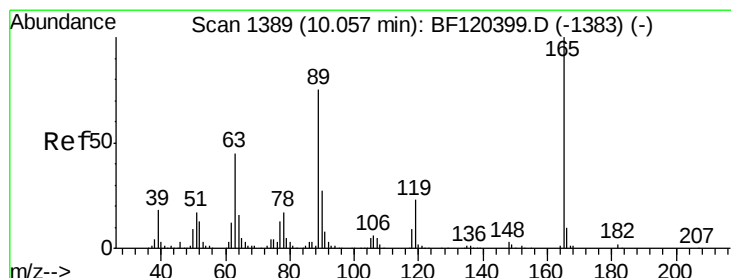
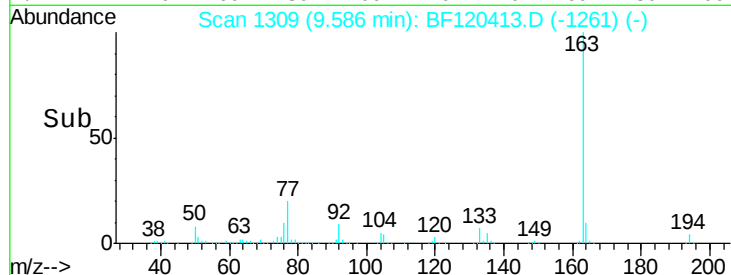
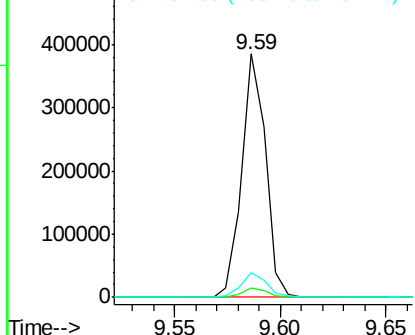
#50
Dimethylphthalate
Concen: 11.796 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF120413.D
Acq: 28 May 2020 17:36

Instrument :
BNA_F
ClientSampleId :
NM19-COMP-2020-0-6

Tot Ion:163 Resp: 300727
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 9.9 8.3 12.5

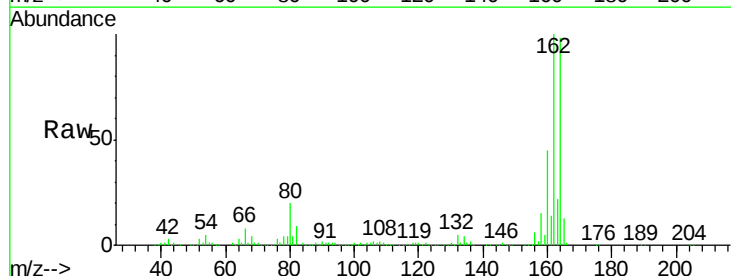


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

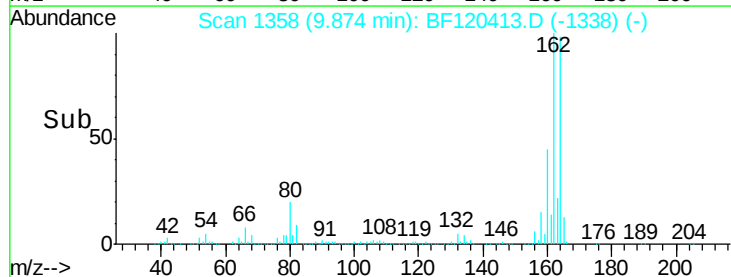
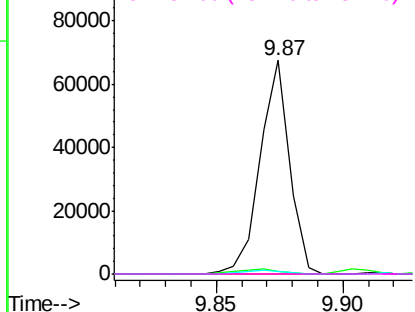


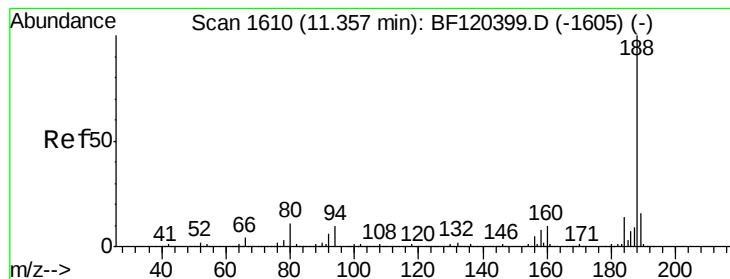
#57
2,4-Dinitrotoluene
Concen: 7.495 ng
RT: 9.87 min Scan# 1358
Delta R.T. -0.18 min
Lab File: BF120413.D
Acq: 28 May 2020 17:36

Tgt Ion:165 Resp: 54348
Ion Ratio Lower Upper
165 100
63 1.4 35.9 53.9#
89 1.3 60.0 90.0#
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: 11.36 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BF120413.D

Acq: 28 May 2020 17:36

Instrument :

BNA_F

ClientSampleId :

NM19-COMP-2020-0-6

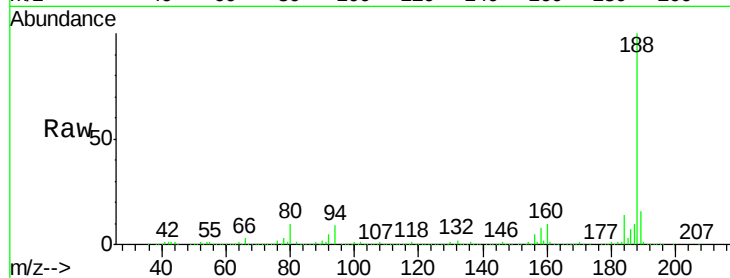
Tot Ion:188 Resp: 679203

Ion Ratio Lower Upper

188 100

94 9.4 7.9 11.9

80 10.0 8.6 13.0



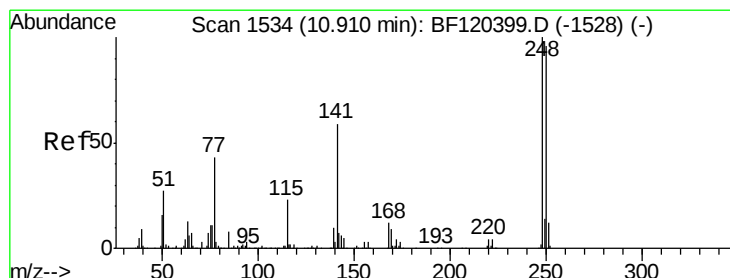
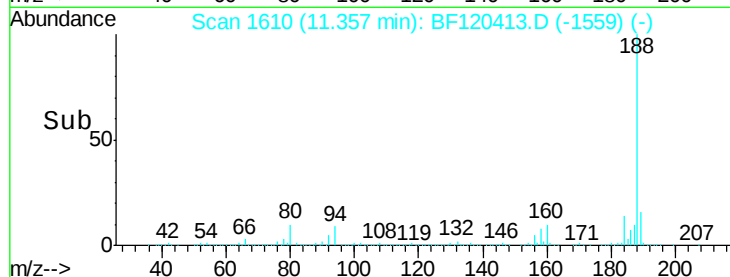
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

11.36

Time-->



#67

4-Bromophenyl-phenylether

Concen: 3.469 ng

RT: 10.66 min Scan# 1491

Delta R.T. -0.25 min

Lab File: BF120413.D

Acq: 28 May 2020 17:36

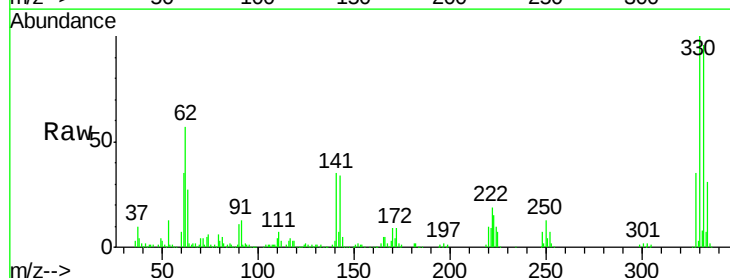
Tgt Ion:248 Resp: 23784

Ion Ratio Lower Upper

248 100

250 193.8 76.5 114.7#

141 522.1 47.2 70.8#



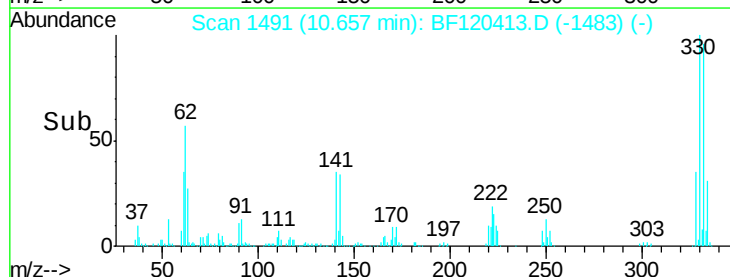
Abundance Ion 248.00 (247.70 to 248.70): E

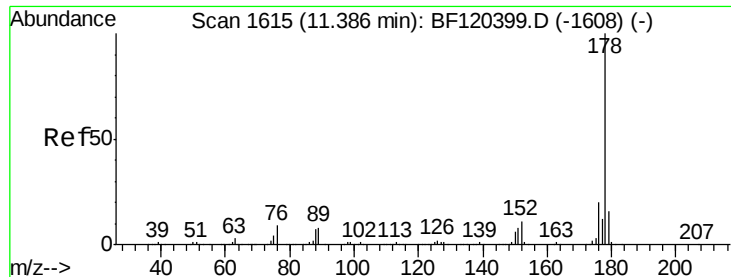
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

10.66

Time-->

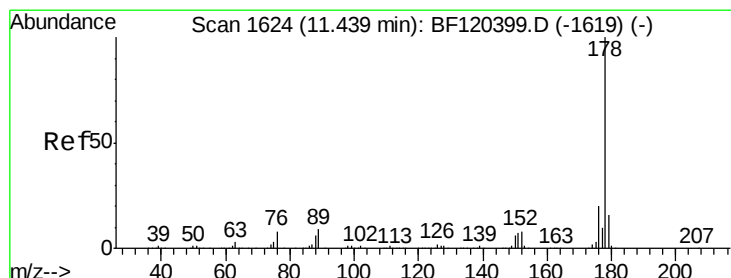
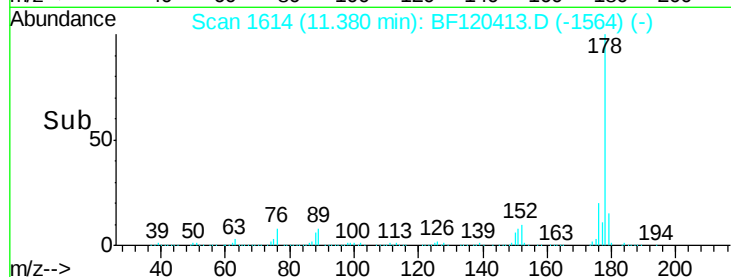
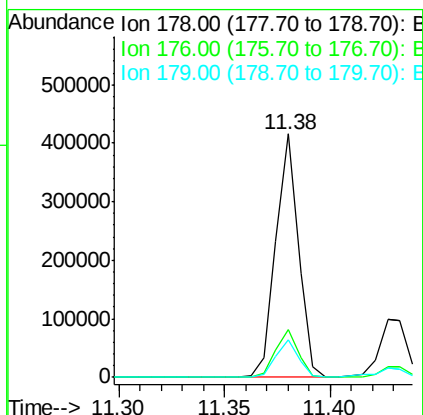
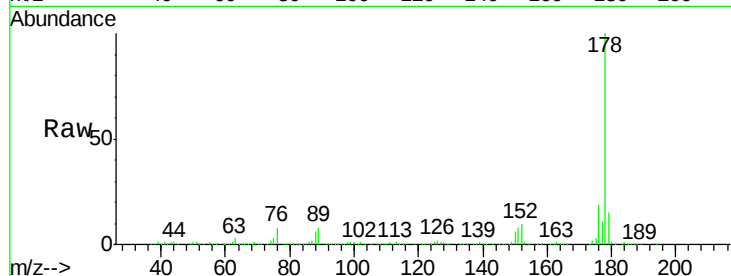




#71
Phenanthrene
Concen: 10.446 ng
RT: 11.38 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BF120413.D
Acq: 28 May 2020 17:36

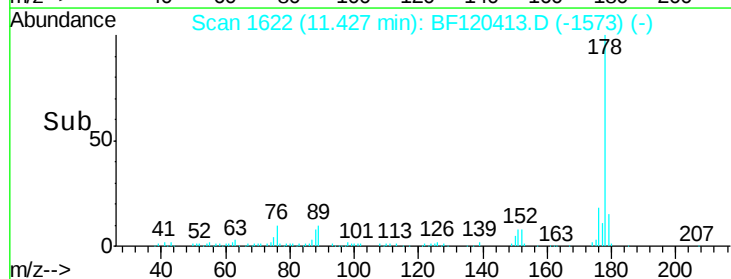
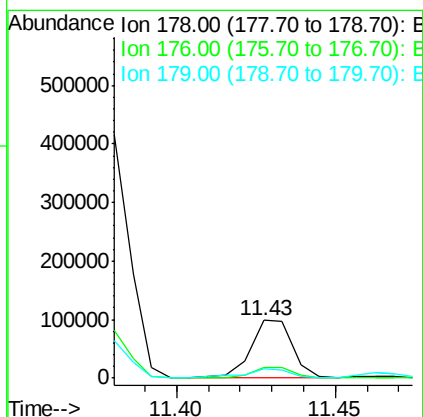
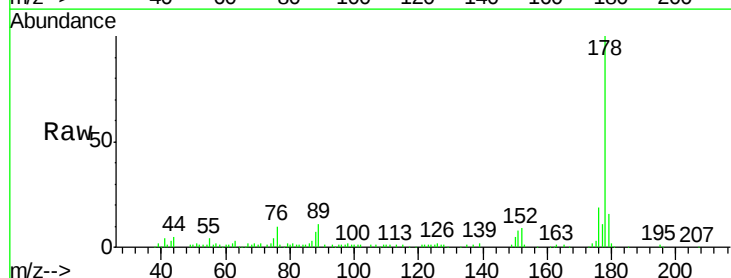
Instrument :
BNA_F
ClientSampleId :
NM19-COMP-2020-0-6

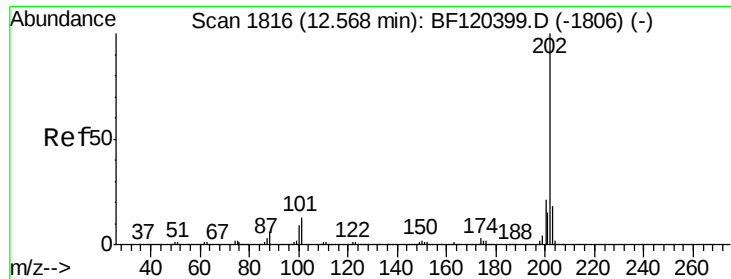
Tot Ion:178 Resp: 312631
Ion Ratio Lower Upper
178 100
176 19.5 16.4 24.6
179 15.2 13.0 19.4



#72
Anthracene
Concen: 2.961 ng
RT: 11.43 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BF120413.D
Acq: 28 May 2020 17:36

Tgt Ion:178 Resp: 88900
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.6
179 15.7 12.8 19.2





#75

Fluoranthene

Concen: 21.366 ng

RT: 12.57 min Scan# 1816

Delta R.T. 0.00 min

Lab File: BF120413.D

Acq: 28 May 2020 17:36

Instrument :

BNA_F

ClientSampleId :

NM19-COMP-2020-0-6

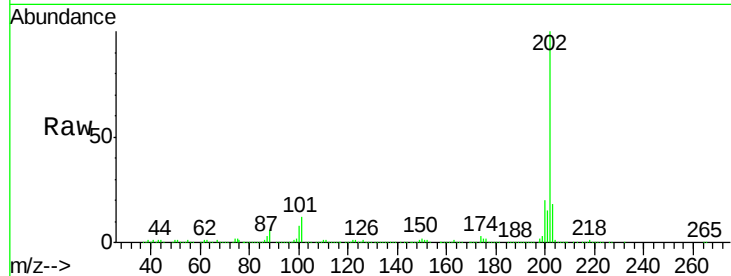
Tot Ion:202 Resp: 688057

Ion Ratio Lower Upper

202 100

101 11.5 0.0 32.6

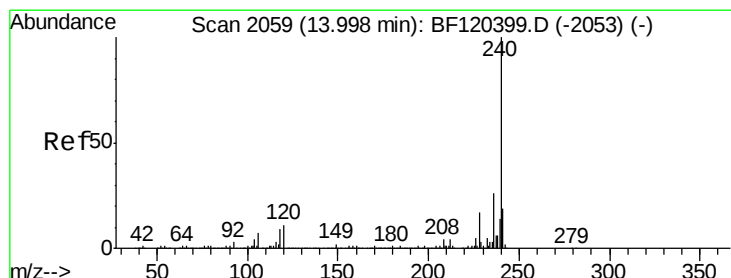
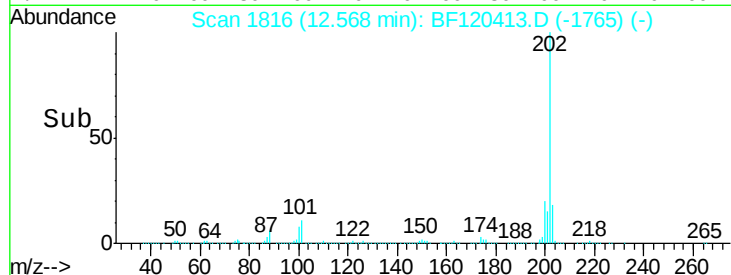
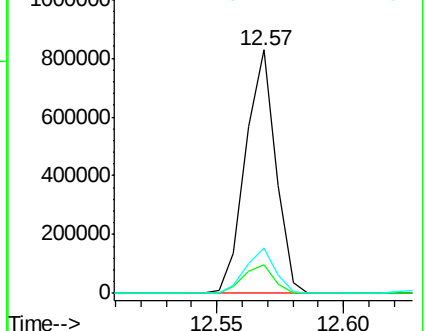
203 18.4 0.0 38.4



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: 13.99 min Scan# 2058

Delta R.T. -0.01 min

Lab File: BF120413.D

Acq: 28 May 2020 17:36

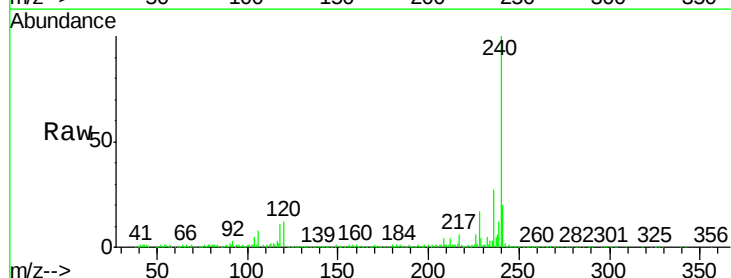
Tgt Ion:240 Resp: 522257

Ion Ratio Lower Upper

240 100

120 12.3 8.8 13.2

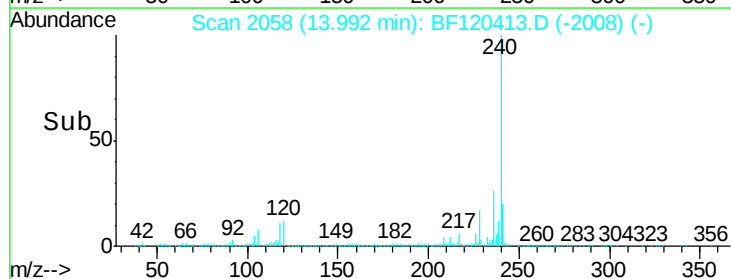
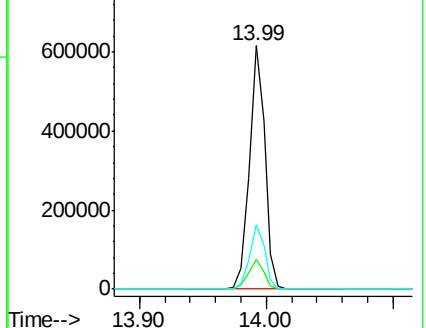
236 26.5 21.0 31.4

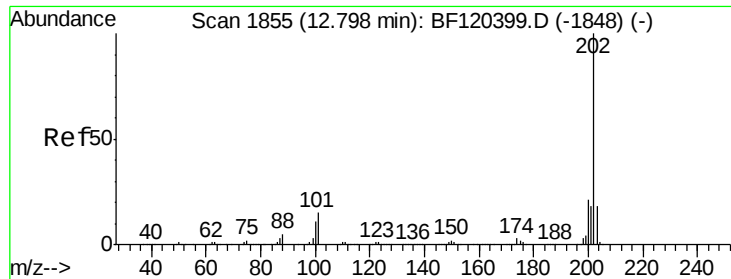


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

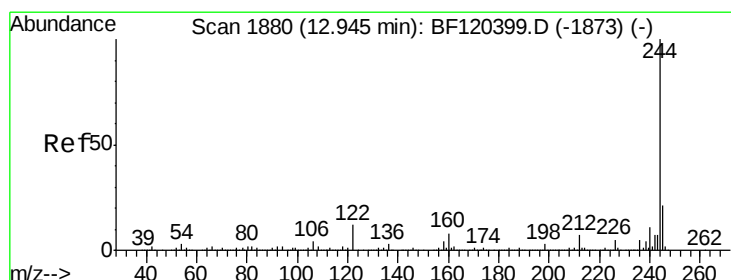
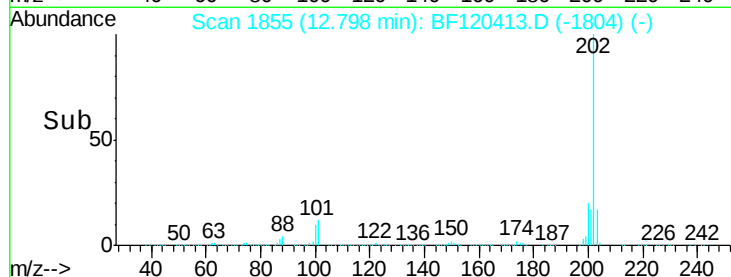
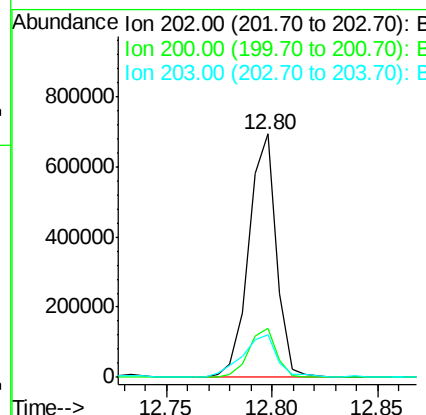
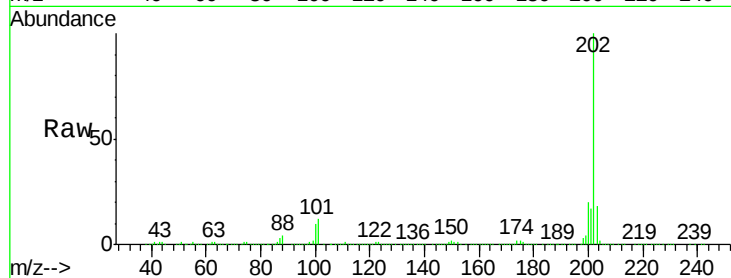




#78
Pvrene
Concen: 17.270 ng
RT: 12.80 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BF120413.D
Acq: 28 May 2020 17:36

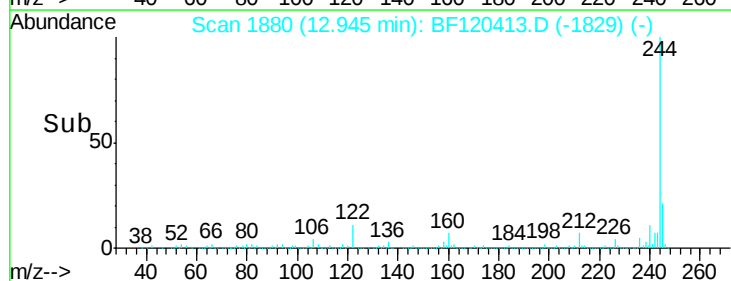
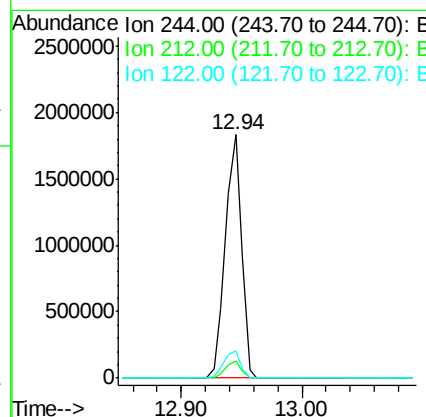
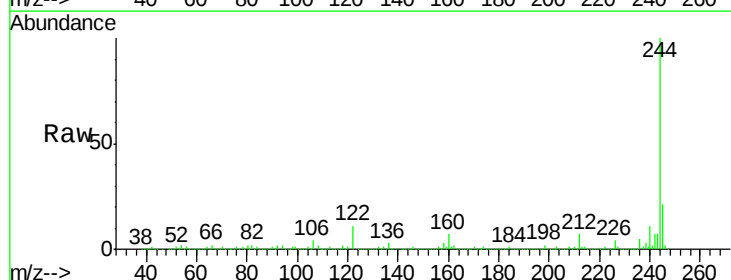
Instrument :
BNA_F
ClientSampleId :
NM19-COMP-2020-0-6

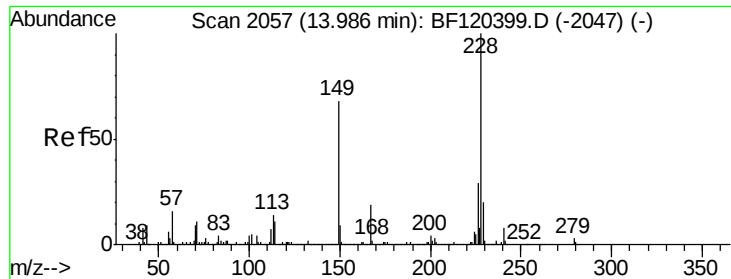
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.0	25.4
203	17.7	14.7	22.1



#79
Terphenyl-d14
Concen: 72.380 ng
RT: 12.94 min Scan# 1880
Delta R.T. -0.00 min
Lab File: BF120413.D
Acq: 28 May 2020 17:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.9	8.9
122	11.4	9.2	13.8

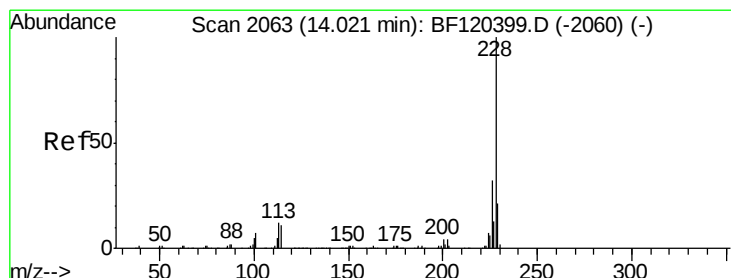
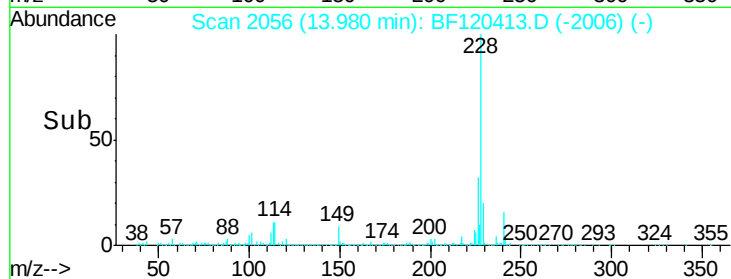
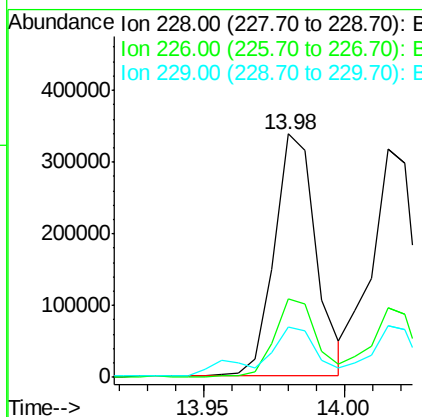
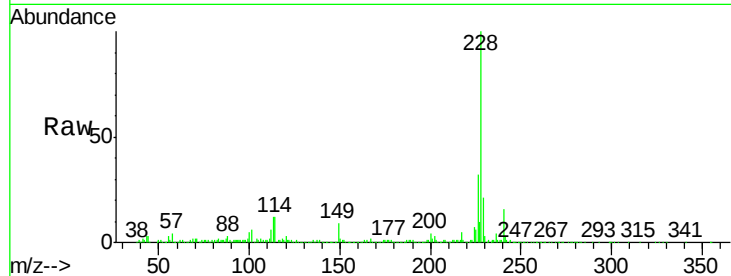




#81
Benzo(a)anthracene
Concen: 12.467 ng
RT: 13.98 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF120413.D
Acq: 28 May 2020 17:36

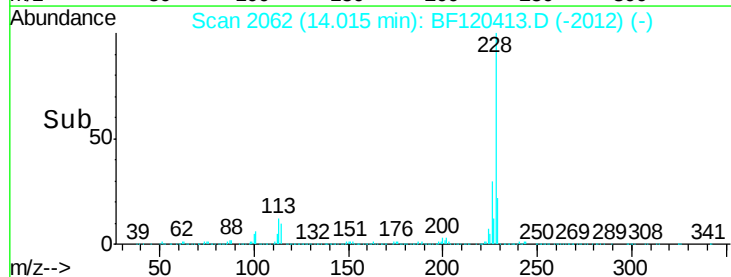
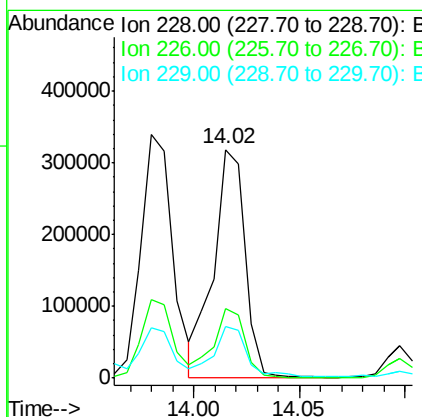
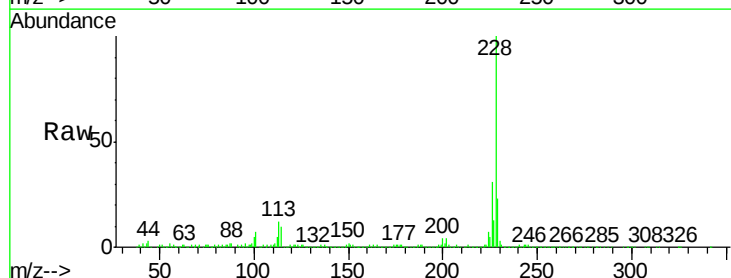
Instrument :
BNA_F
ClientSampleId :
NM19-COMP-2020-0-6

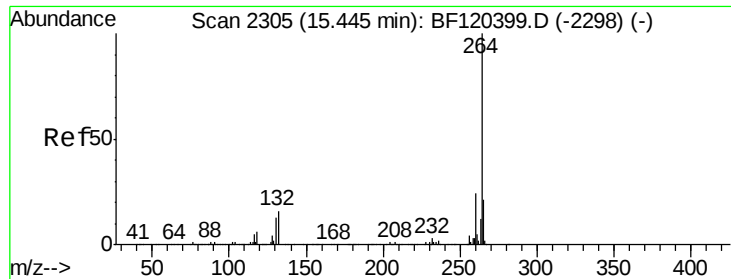
Tot Ion:228 Resp: 348940
Ion Ratio Lower Upper
228 100
226 32.4 23.0 34.4
229 20.9 16.2 24.4



#83
Chrysene
Concen: 11.166 ng
RT: 14.02 min Scan# 2062
Delta R.T. -0.01 min
Lab File: BF120413.D
Acq: 28 May 2020 17:36

Tgt Ion:228 Resp: 327660
Ion Ratio Lower Upper
228 100
226 30.6 25.6 38.4
229 22.7 16.6 25.0

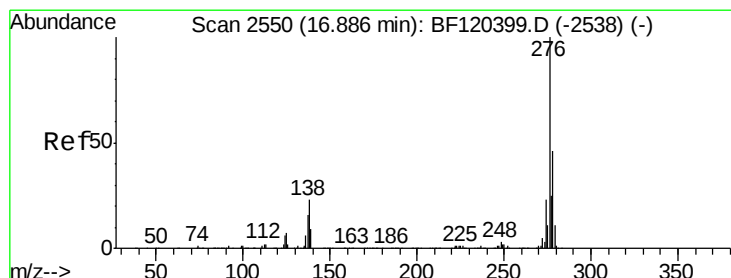
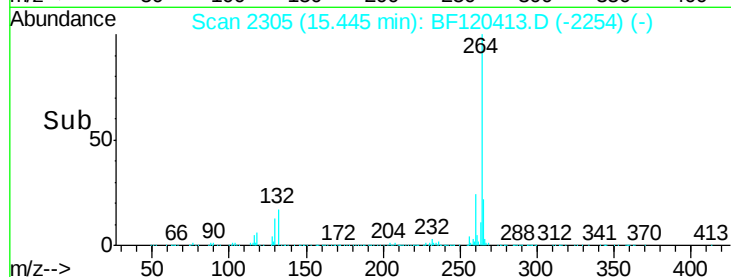
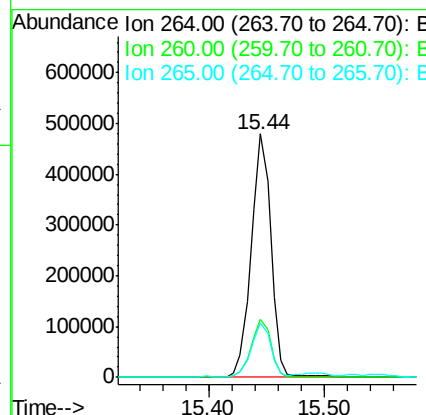
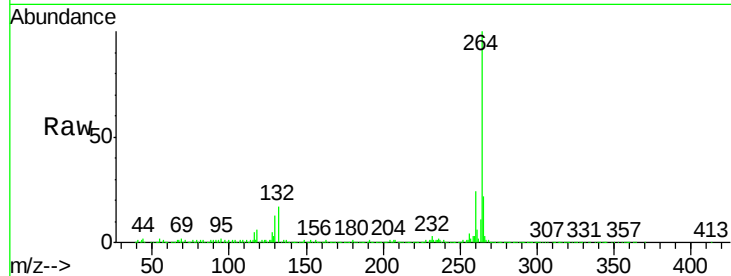




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2305
Delta R.T. 0.00 min
Lab File: BF120413.D
Acq: 28 May 2020 17:36

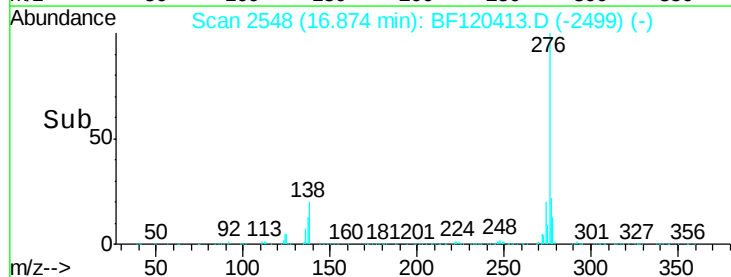
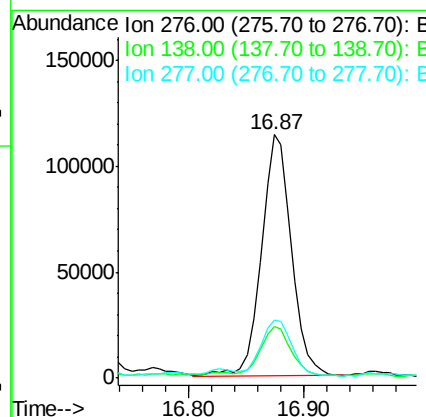
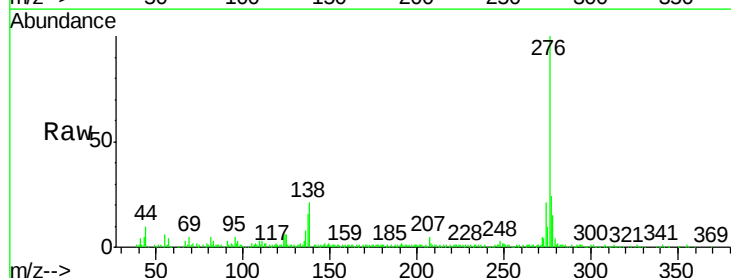
Instrument :
BNA_F
ClientSampleId :
NM19-COMP-2020-0-6

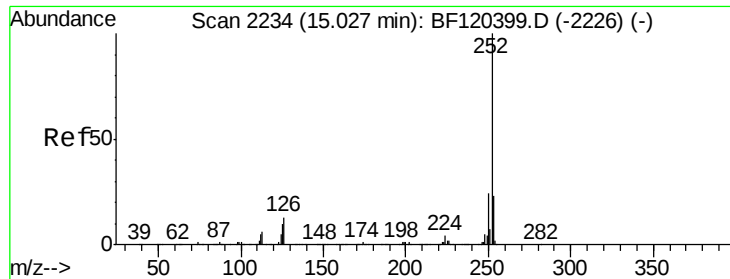
Tot Ion:264 Resp: 567260
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 22.2 16.9 25.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.665 ng
RT: 16.87 min Scan# 2548
Delta R.T. -0.01 min
Lab File: BF120413.D
Acq: 28 May 2020 17:36

Tgt Ion:276 Resp: 206798
Ion Ratio Lower Upper
276 100
138 20.9 20.4 30.6
277 23.7 20.4 30.6

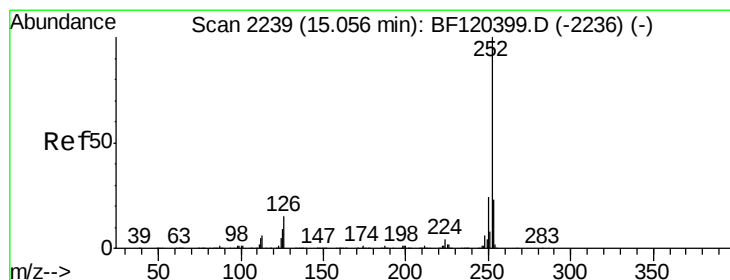
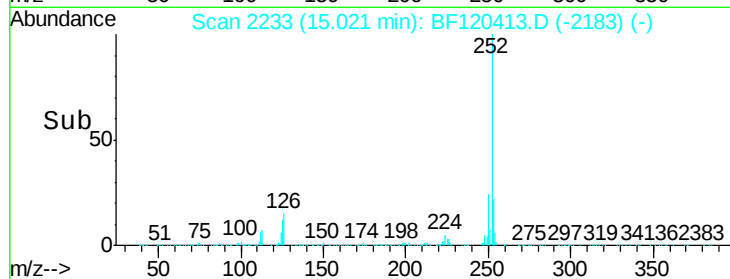
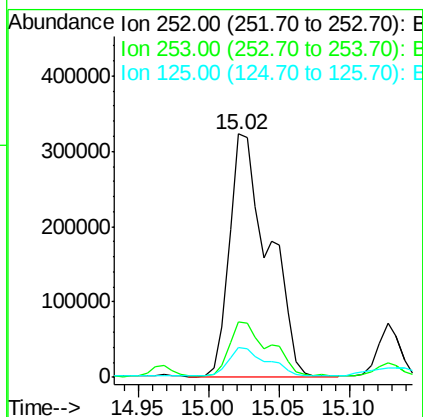
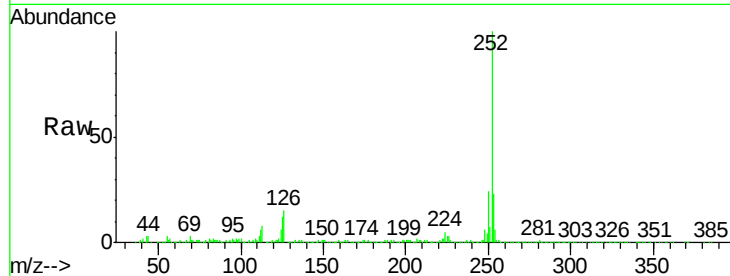




#88
Benzo(b)fluoranthene
Concen: 19.787 ng
RT: 15.02 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF120413.D
Acq: 28 May 2020 17:36

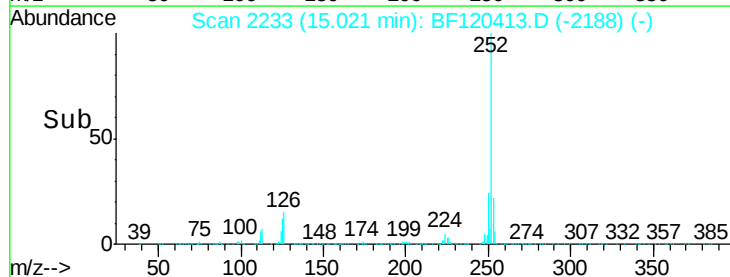
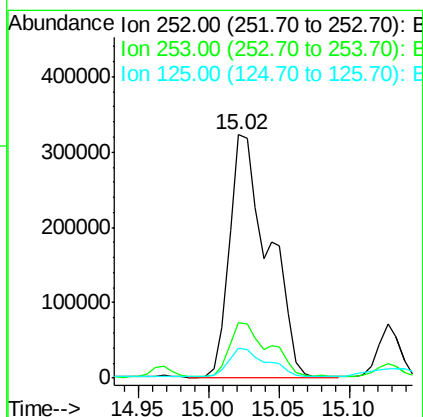
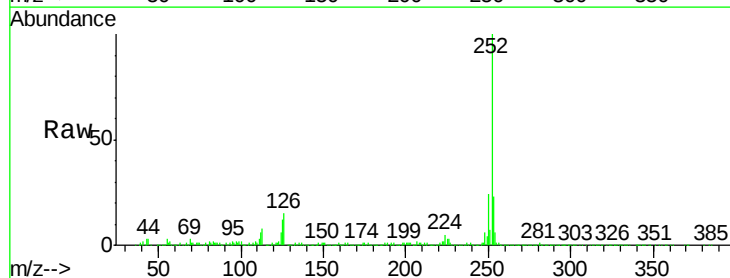
Instrument :
BNA_F
ClientSampleId :
NM19-COMP-2020-0-6

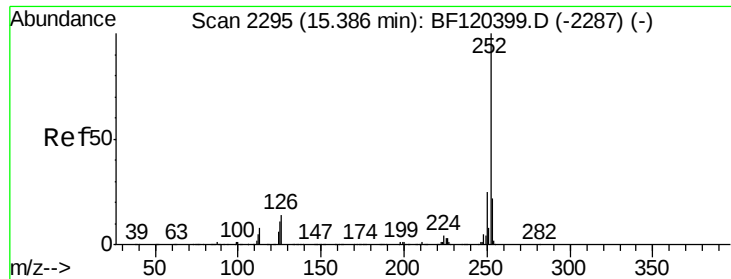
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	12.3	7.8	11.8#



#89
Benzo(k)fluoranthene
Concen: 21.195 ng
RT: 15.02 min Scan# 2233
Delta R.T. -0.04 min
Lab File: BF120413.D
Acq: 28 May 2020 17:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.5	27.7
125	12.3	8.0	12.0#

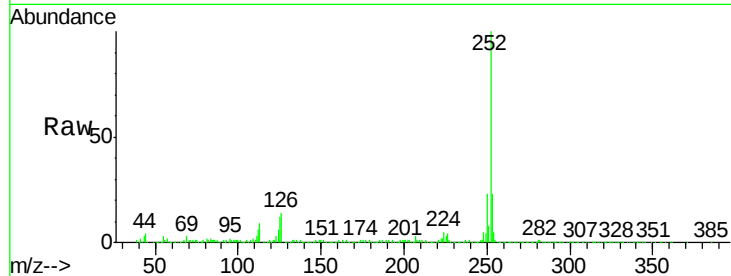




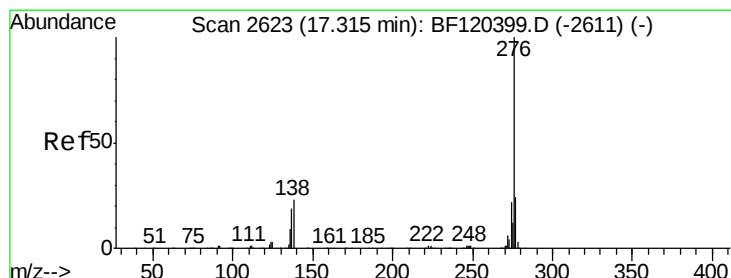
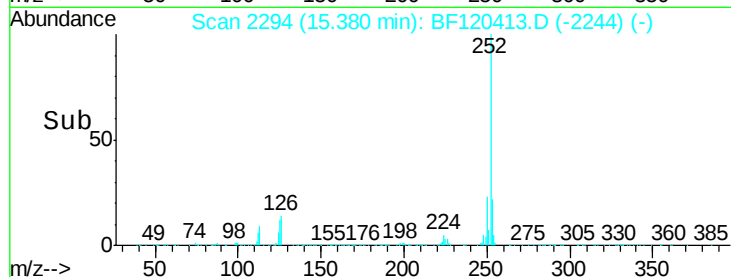
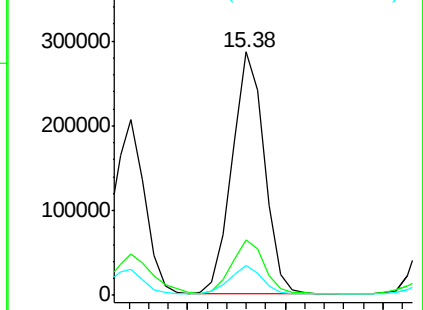
#90
Benzo(a)pyrene
Concen: 11.895 ng
RT: 15.38 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BF120413.D
Acq: 28 May 2020 17:36

Instrument :
BNA_F
ClientSampleId :
NM19-COMP-2020-0-6

Tot Ion:	252	Resp:	327815
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	12.2	8.7	13.1

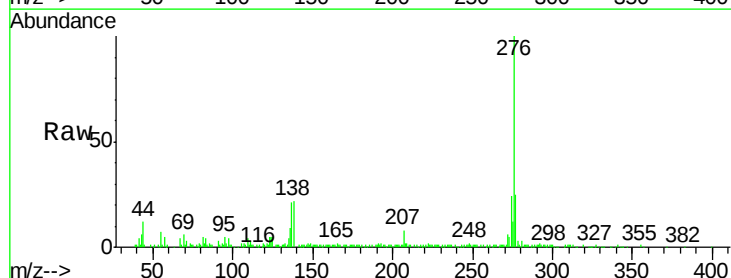


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 7.694 ng
RT: 17.31 min Scan# 2622
Delta R.T. -0.01 min
Lab File: BF120413.D
Acq: 28 May 2020 17:36

Tgt Ion:	276	Resp:	191961
Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.5	29.3
138	22.1	18.1	27.1



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

