

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
 Data File : BF120417.D
 Acq On : 28 May 2020 19:31
 Operator : MA/SJ
 Sample : L2746-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM95-COMP-2020-0-6

Quant Time: May 29 03:28:20 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	321009	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1139541	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	535768	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	841865	20.00	ng	0.00
76) Chrysene-d12	13.99	240	282612	20.00	ng	0.00
86) Perylene-d12	15.45	264	555372	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	1516422	90.03	ng	0.00
7) Phenol-d6	6.47	99	1857006	89.44	ng	0.00
23) Nitrobenzene-d5	7.40	82	1282353	73.61	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	451698	90.99	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2233588	70.73	ng	0.00
79) Terphenyl-d14	12.94	244	1821389	143.41	ng	0.00

Target Compounds

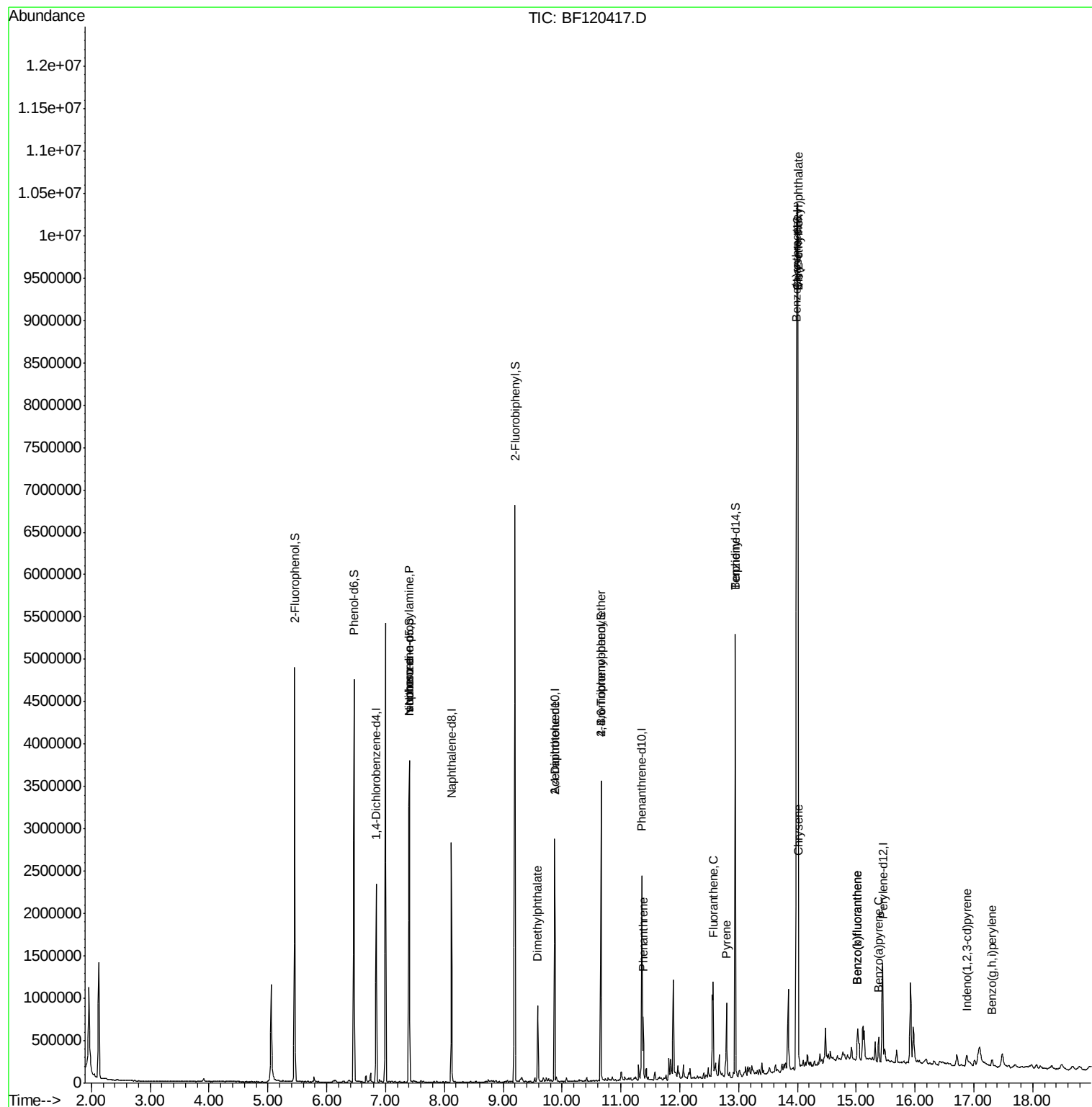
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	174630	13.232	ng	# 78
25) Isophorone	7.40	82	1277774	36.494	ng	# 64
50) Dimethylphthalate	9.59	163	342942	10.239	ng	100
57) 2,4-Dinitrotoluene	9.87	165	69920	7.339	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	27879	3.281	ng	# 1
71) Phenanthrene	11.38	178	234232	6.314	ng	98
75) Fluoranthene	12.57	202	405585	10.161	ng	96
77) Benzidine	12.94	184	24154	3.253	ng	# 94
78) Pyrene	12.80	202	348754	17.745	ng	98
81) Benzo(a)anthracene	13.98	228	127615	8.425	ng	99
83) Chrysene	14.02	228	136586	8.602	ng	97
84) Bis(2-ethylhexyl)phthalate	14.01	149	5593729	580.763	ng	# 91
87) Indeno(1,2,3-cd)pyrene	16.87	276	82219	2.707	ng	96
88) Benzo(b)fluoranthene	15.03	252	288551	9.354	ng	99
89) Benzo(k)fluoranthene	15.03	252	288551	10.020	ng	98
90) Benzo(a)pyrene	15.38	252	145812	5.404	ng	98
92) Benzo(a,h,i)perylene	17.31	276	75318	3.084	ng	96

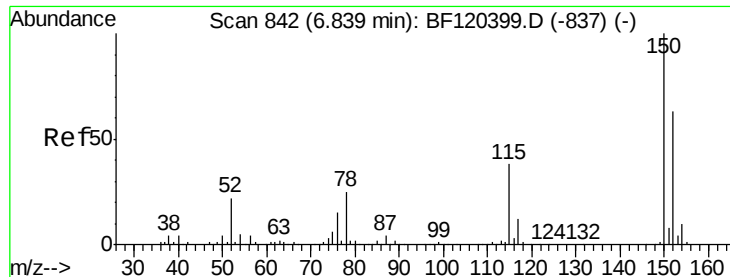
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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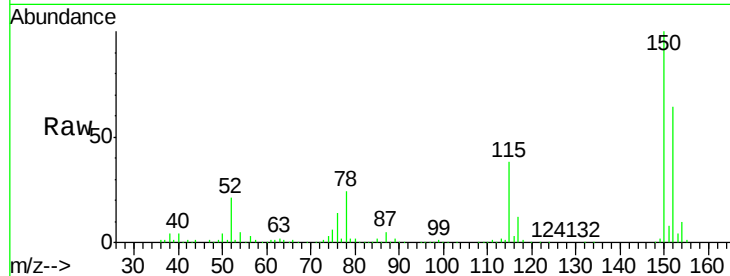


#1

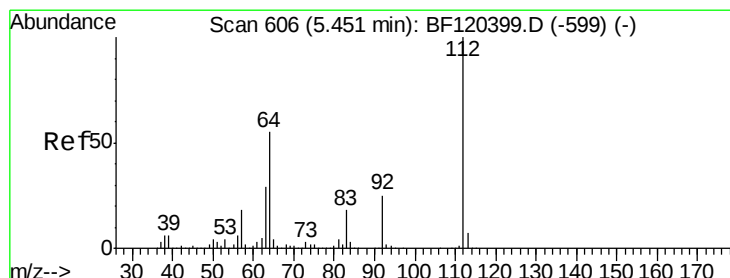
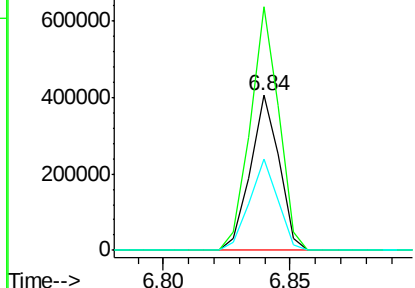
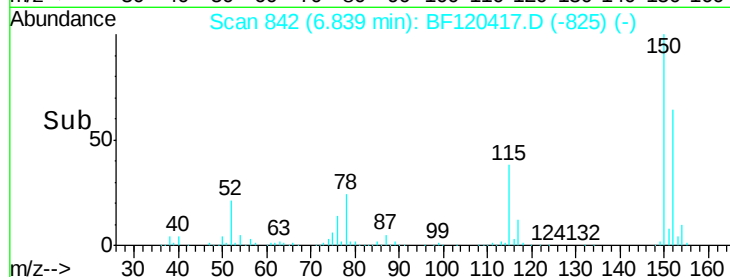
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF120417.D
Acq: 28 May 2020 19:31

Instrument :
BNA_F
ClientSampleId :
NM95-COMP-2020-0-6

Tot Ion:152 Resp: 321009
Ion Ratio Lower Upper
152 100
150 157.0 126.5 189.7
115 59.0 47.6 71.4



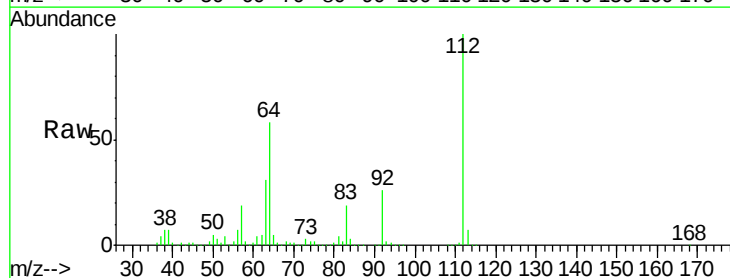
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



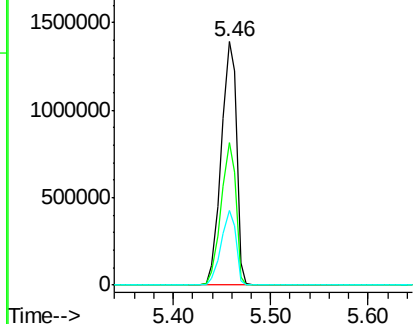
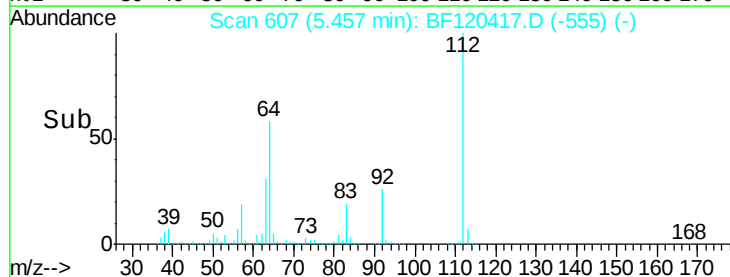
#5

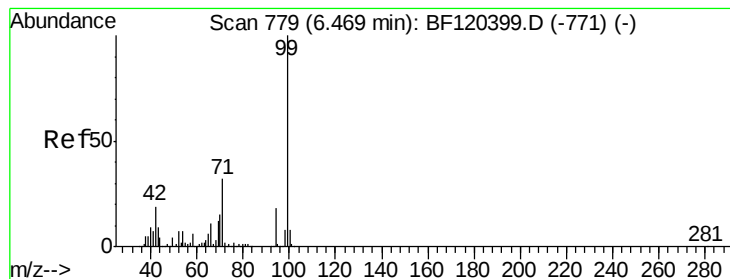
2-Fluorophenol
Concen: 90.026 ng
RT: 5.46 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF120417.D
Acq: 28 May 2020 19:31

Tgt Ion:112 Resp: 1516422
Ion Ratio Lower Upper
112 100
64 58.3 44.3 66.5
63 30.7 22.9 34.3



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: 89.444 ng

RT: 6.47 min Scan# 779

Delta R.T. 0.00 min

Lab File: BF120417.D

Acq: 28 May 2020 19:31

Instrument :

BNA_F

ClientSampleId :

NM95-COMP-2020-0-6

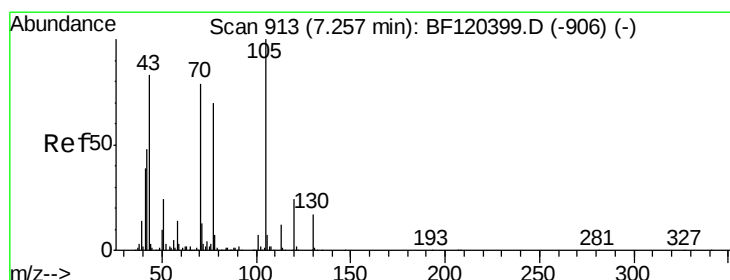
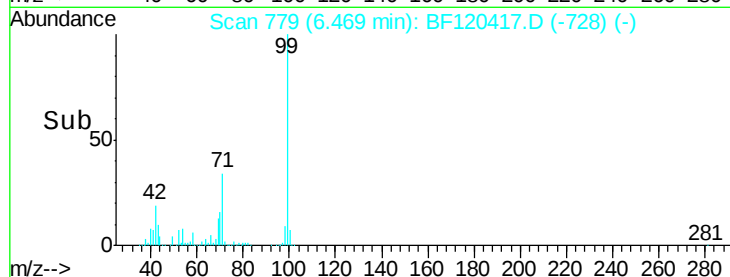
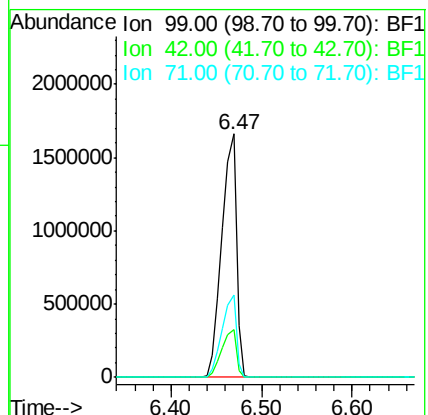
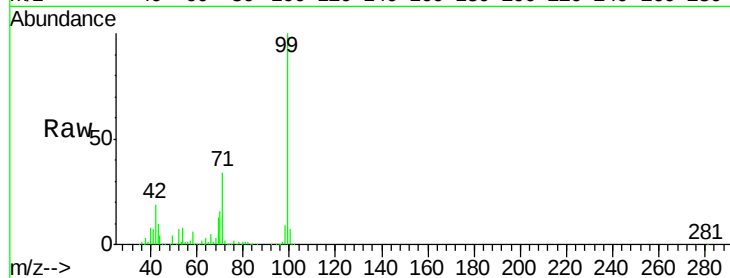
Tot Ion: 99 Resp: 1857006

Ion Ratio Lower Upper

99 100

42 19.4 15.2 22.8

71 34.0 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.232 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.15 min

Lab File: BF120417.D

Acq: 28 May 2020 19:31

Tgt Ion: 70 Resp: 174630

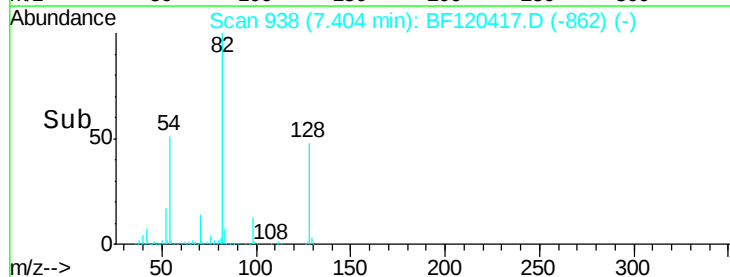
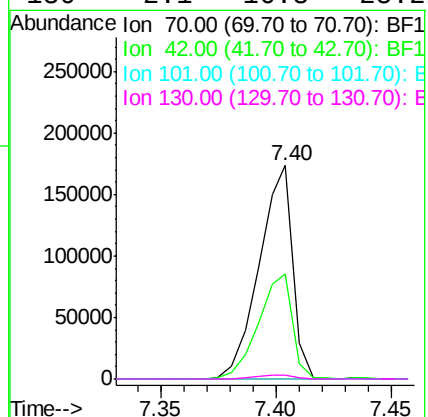
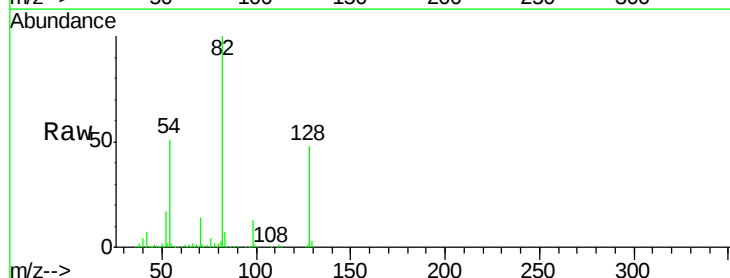
Ion Ratio Lower Upper

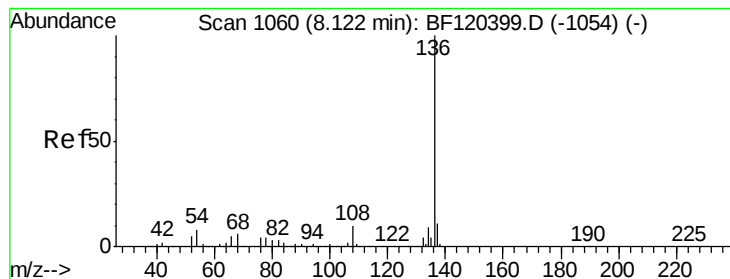
70 100

42 49.4 48.9 73.3

101 0.0 7.4 11.2#

130 2.1 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BF120417.D

Acq: 28 May 2020 19:31

Instrument :

BNA_F

ClientSampleId :

NM95-COMP-2020-0-6

Tot Ion:136 Resp: 1139541

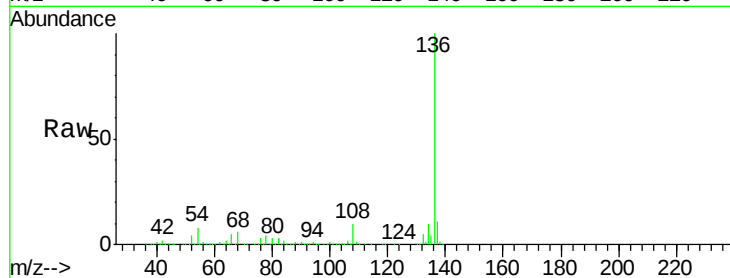
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 8.0 6.7 10.1

68 6.3 5.0 7.4

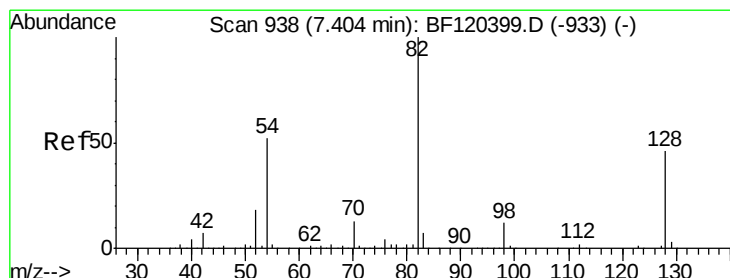
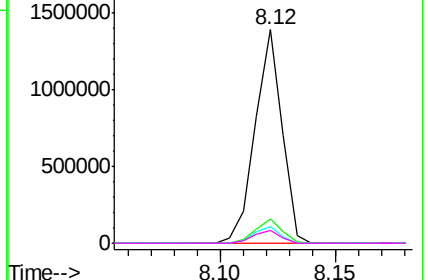
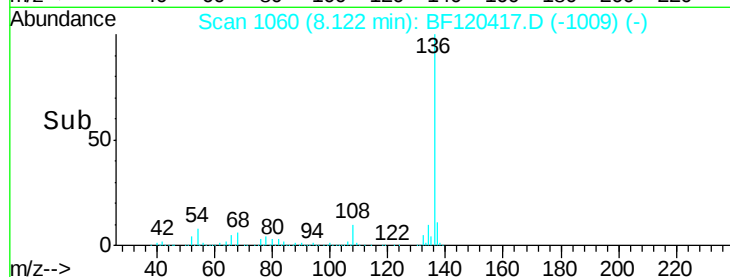


Abundance Ion 136.00 (135.70 to 136.70): E

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: 73.611 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF120417.D

Acq: 28 May 2020 19:31

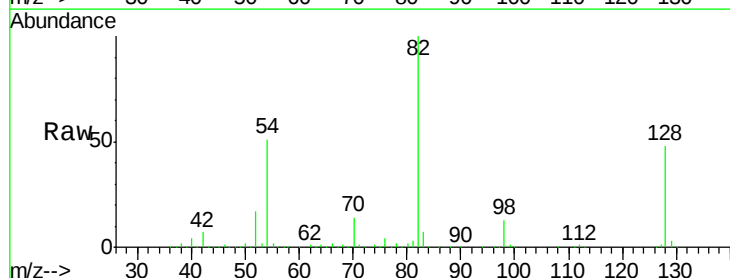
Tgt Ion: 82 Resp: 1282353

Ion Ratio Lower Upper

82 100

128 48.1 36.8 55.2

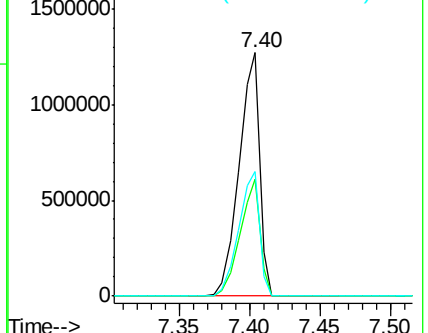
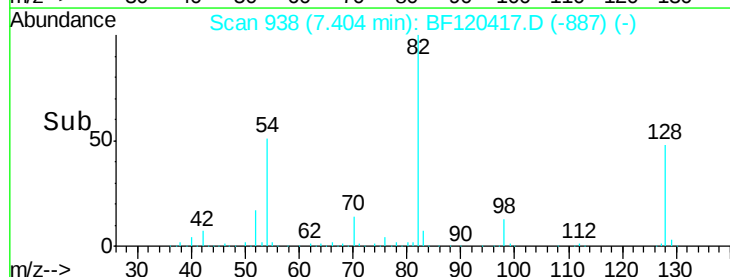
54 51.1 41.6 62.4



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: 36.494 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.26 min

Lab File: BF120417.D

Acq: 28 May 2020 19:31

Instrument :

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NM95-COMP-2020-0-6

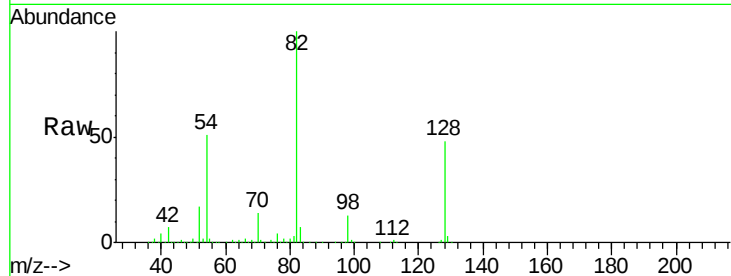
Tot Ion: 82 Resp: 1277774

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

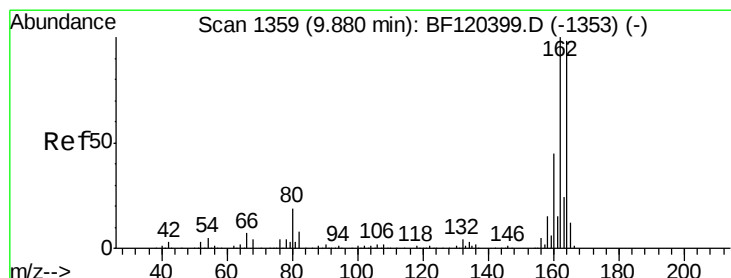
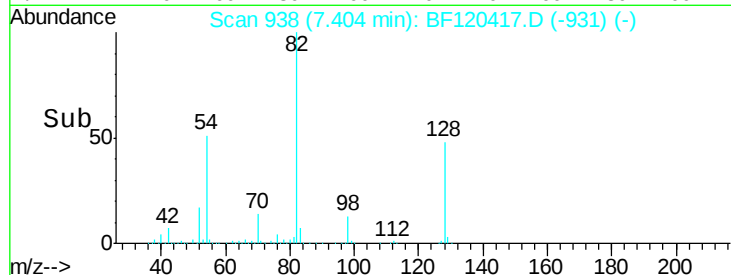
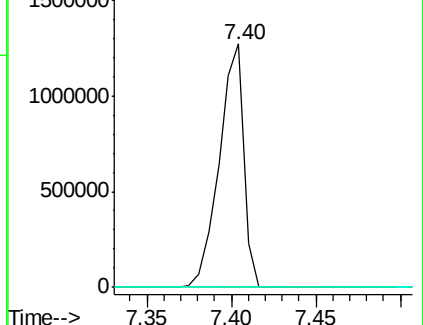
138 0.0 15.0 22.4#



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: BF120417.D

Acq: 28 May 2020 19:31

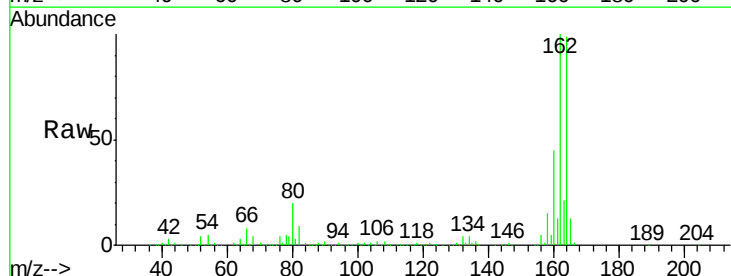
Tgt Ion: 164 Resp: 535768

Ion Ratio Lower Upper

164 100

162 100.5 81.3 121.9

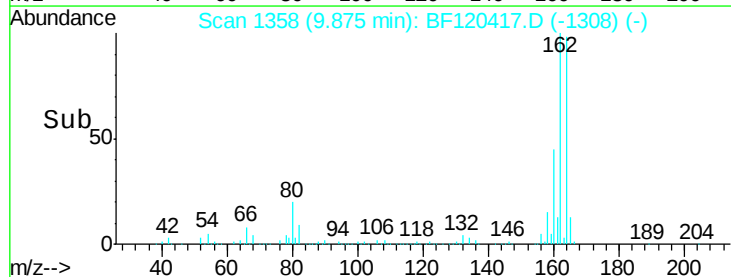
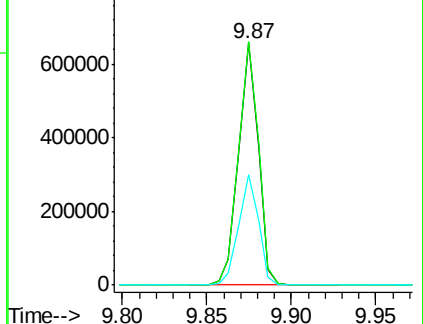
160 45.7 36.9 55.3



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

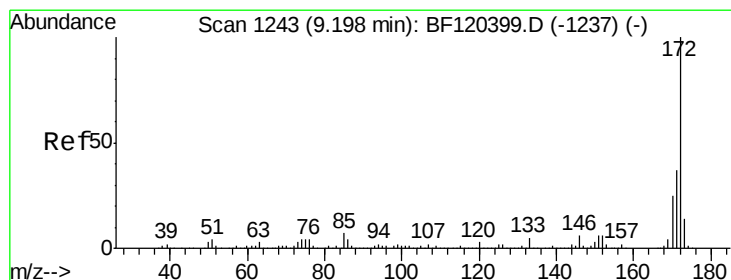
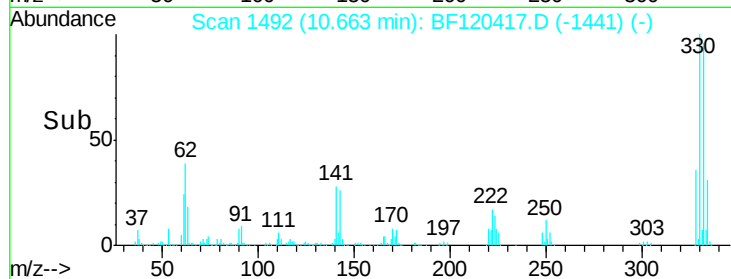
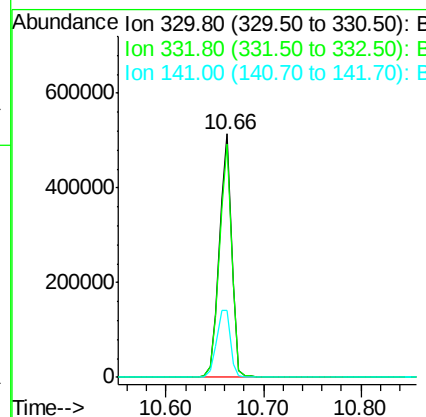
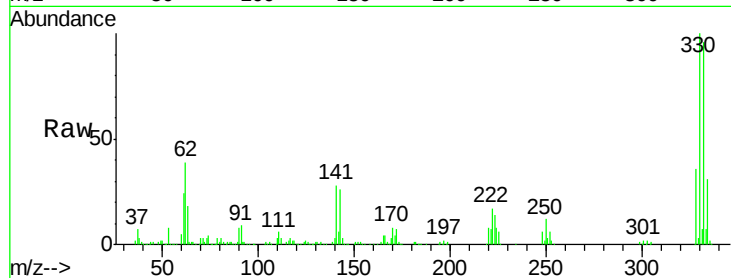




#42
 2,4,6-Tribromophenol
 Concen: 90.992 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BF120417.D
 Acq: 28 May 2020 19:31

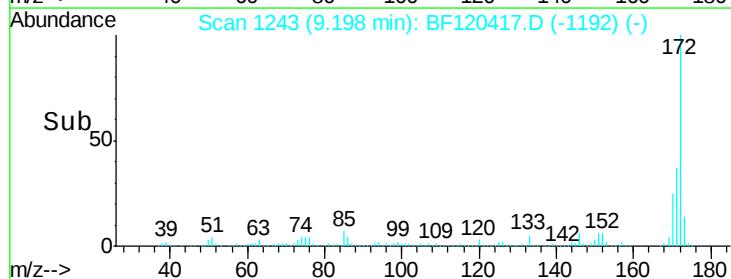
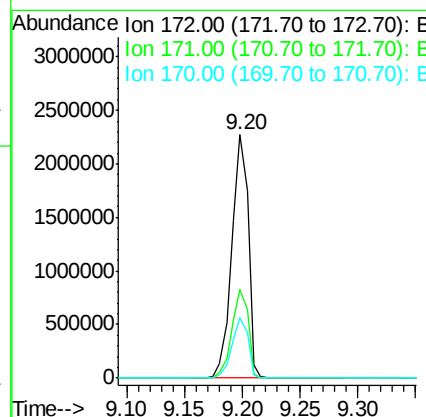
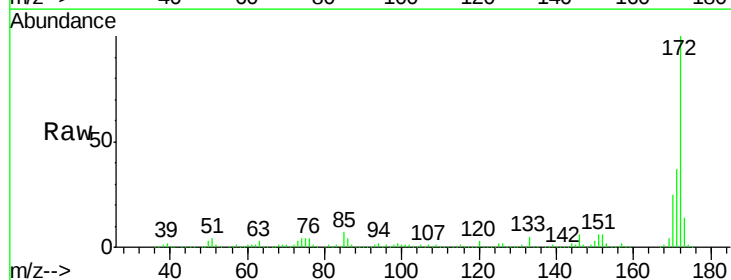
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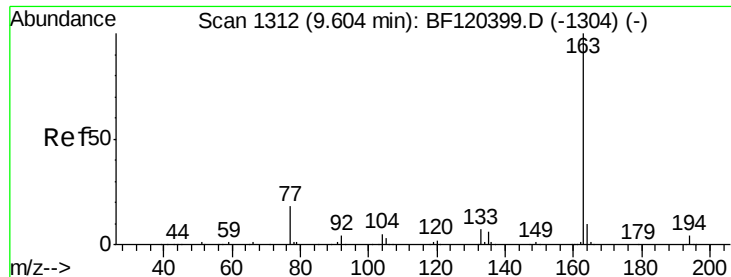
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	31.4	25.3	37.9



#45
 2-Fluorobiphenyl
 Concen: 70.734 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120417.D
 Acq: 28 May 2020 19:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.8	19.9	29.9

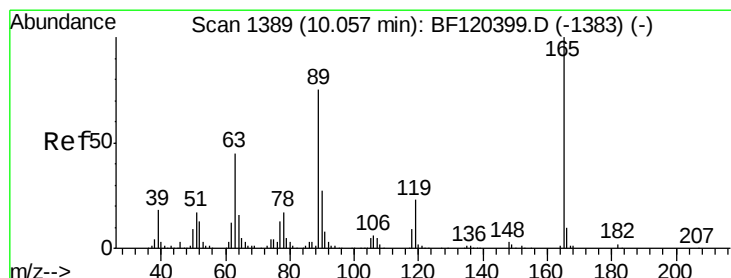
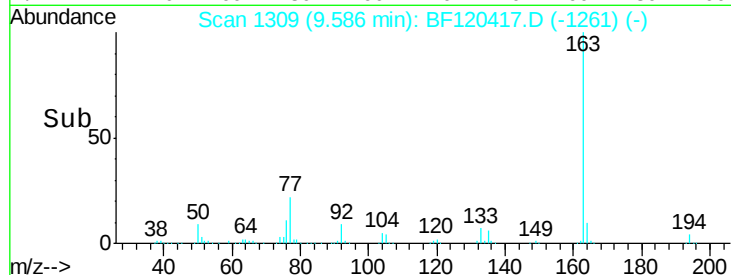
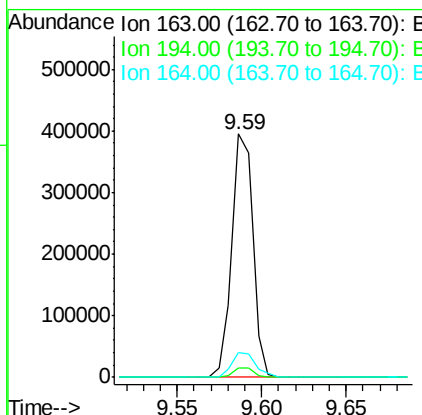
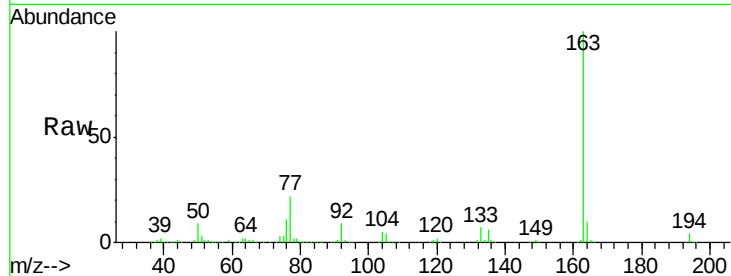




#50
Dimethylphthalate
Concen: 10.239 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF120417.D
Acq: 28 May 2020 19:31

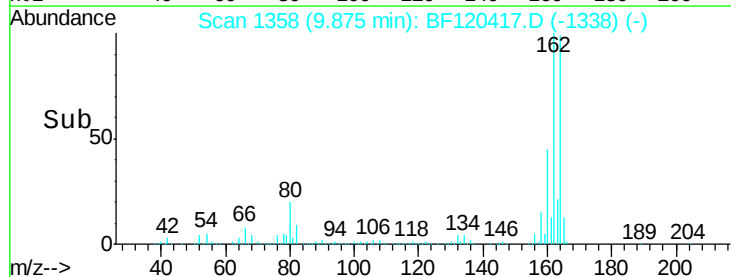
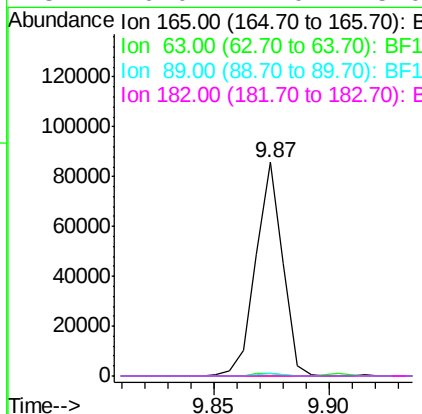
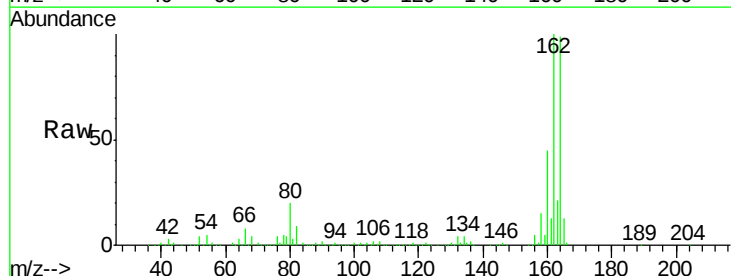
Instrument :
BNA_F
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NM95-COMP-2020-0-6

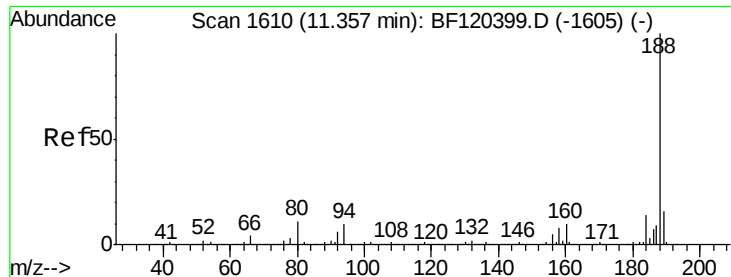
Tot Ion:163 Resp: 342942
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 10.3 8.3 12.5



#57
2,4-Dinitrotoluene
Concen: 7.339 ng
RT: 9.87 min Scan# 1358
Delta R.T. -0.18 min
Lab File: BF120417.D
Acq: 28 May 2020 19:31

Tgt Ion:165 Resp: 69920
Ion Ratio Lower Upper
165 100
63 1.2 35.9 53.9#
89 1.5 60.0 90.0#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1610

Delta R.T. 0.00 min

Lab File: BF120417.D

Acq: 28 May 2020 19:31

Instrument :

BNA_F

ClientSampleId :

NM95-COMP-2020-0-6

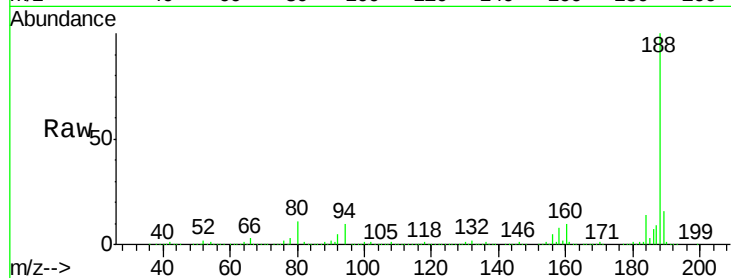
Tot Ion:188 Resp: 841865

Ion Ratio Lower Upper

188 100

94 9.7 7.9 11.9

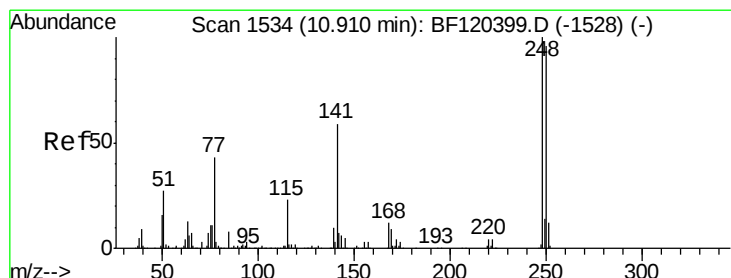
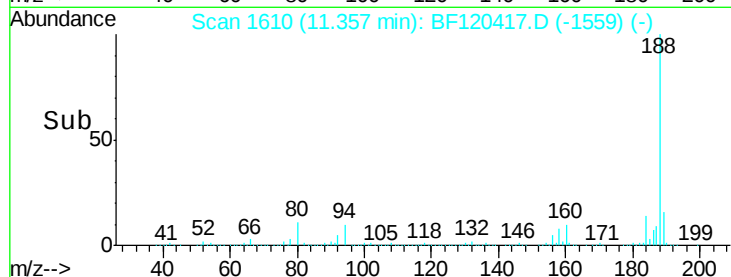
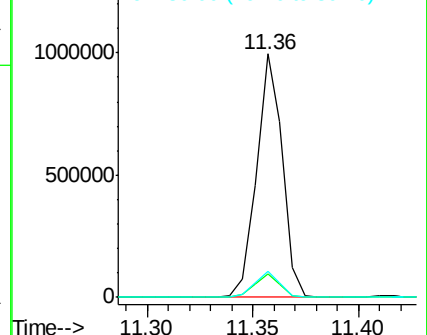
80 10.6 8.6 13.0



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



#67

4-Bromophenyl-phenylether

Concen: 3.281 ng

RT: 10.66 min Scan# 1492

Delta R.T. -0.25 min

Lab File: BF120417.D

Acq: 28 May 2020 19:31

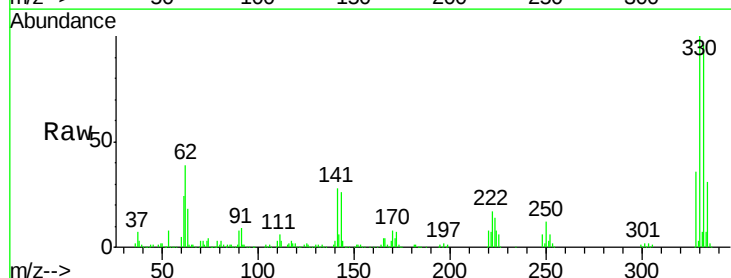
Tgt Ion:248 Resp: 27879

Ion Ratio Lower Upper

248 100

250 192.7 76.5 114.7#

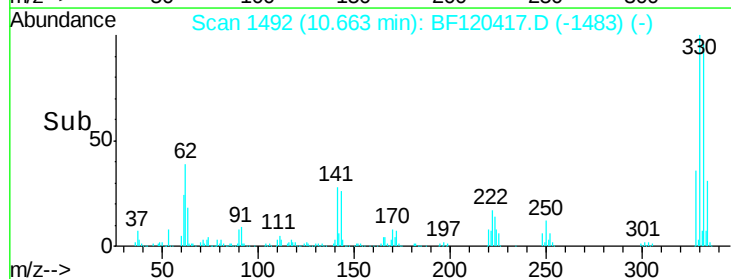
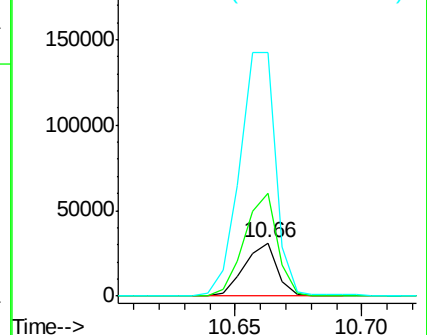
141 458.0 47.2 70.8#

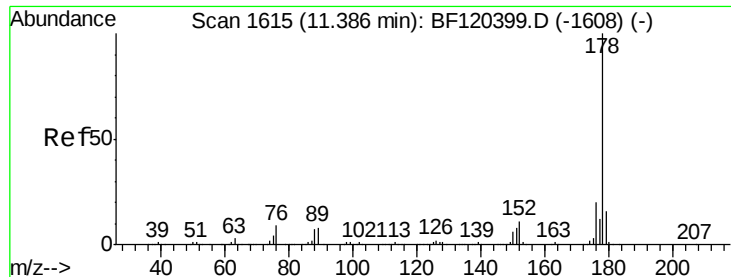


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 6.314 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120417.D

Acq: 28 May 2020 19:31

Instrument :

BNA_F

ClientSampleId :

NM95-COMP-2020-0-6

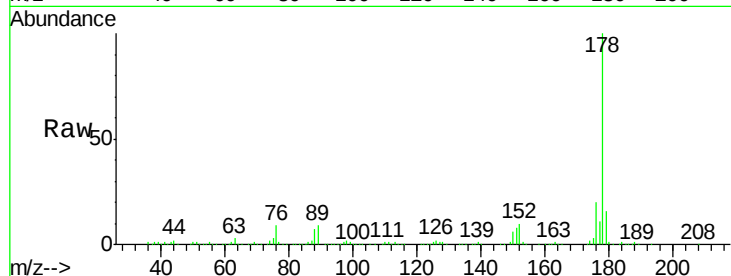
Tot Ion:178 Resp: 234232

Ion Ratio Lower Upper

178 100

176 19.6 16.4 24.6

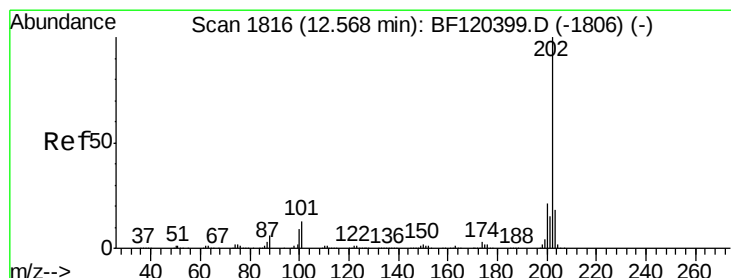
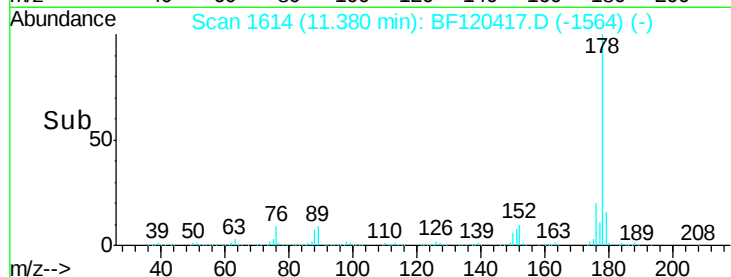
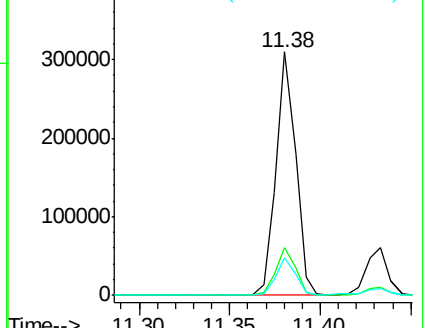
179 15.5 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 10.161 ng

RT: 12.57 min Scan# 1816

Delta R.T. 0.00 min

Lab File: BF120417.D

Acq: 28 May 2020 19:31

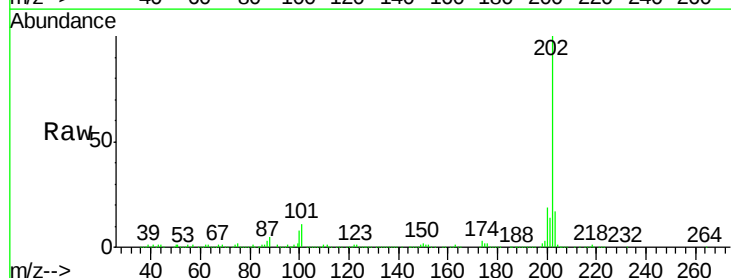
Tgt Ion:202 Resp: 405585

Ion Ratio Lower Upper

202 100

101 10.6 0.0 32.6

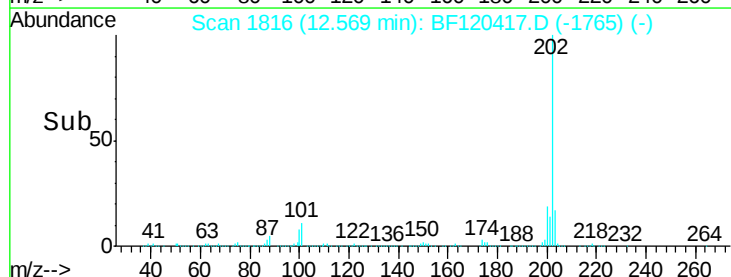
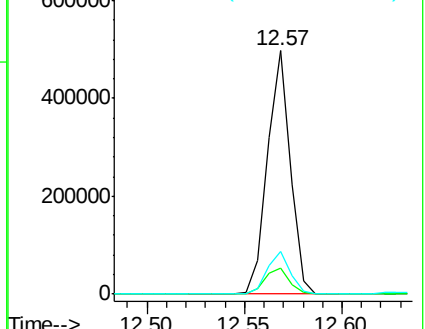
203 17.3 0.0 38.4

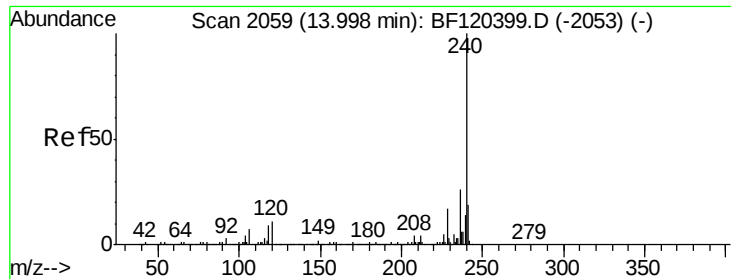


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

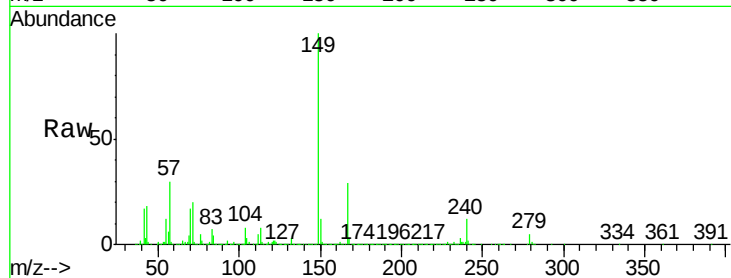




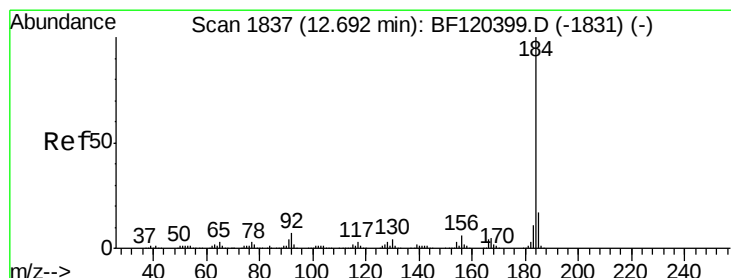
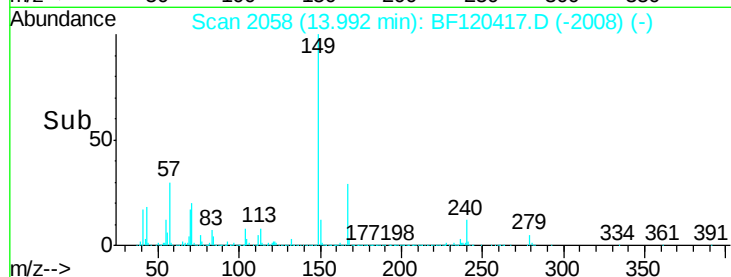
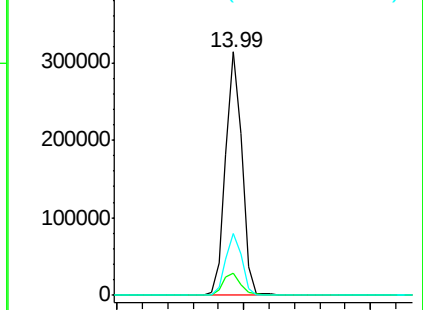
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BF120417.D
Acq: 28 May 2020 19:31

Instrument :
BNA_F
ClientSampleId :
NM95-COMP-2020-0-6

Tot Ion:240 Resp: 282612
Ion Ratio Lower Upper
240 100
120 9.0 8.8 13.2
236 25.2 21.0 31.4

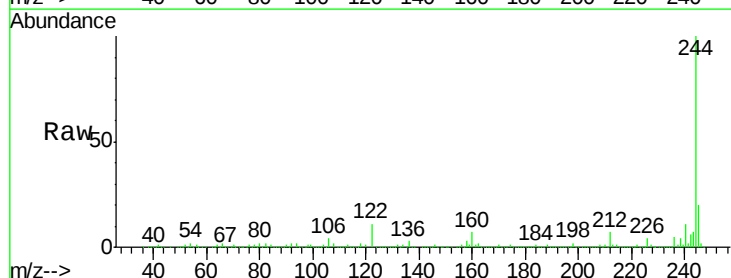


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

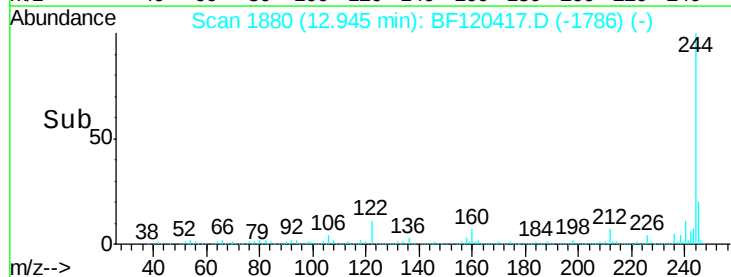
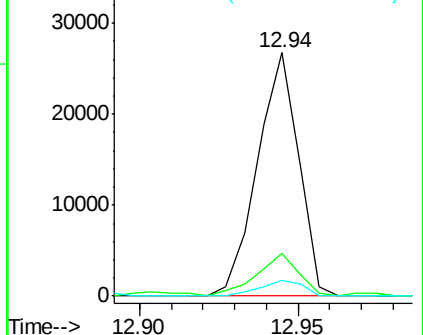


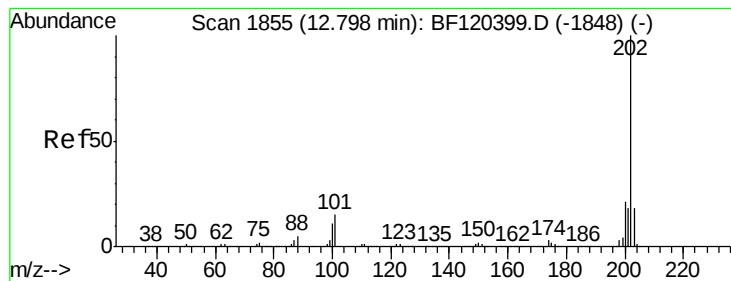
#77
Benzidine
Concen: 3.253 ng
RT: 12.94 min Scan# 1880
Delta R.T. 0.25 min
Lab File: BF120417.D
Acq: 28 May 2020 19:31

Tgt Ion:184 Resp: 24154
Ion Ratio Lower Upper
184 100
185 17.5 13.4 20.0
183 6.2 8.6 12.8#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





#78

Pvrene

Concen: 17.745 ng

RT: 12.80 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF120417.D

Acq: 28 May 2020 19:31

Instrument :

BNA_F

ClientSampleId :

NM95-COMP-2020-0-6

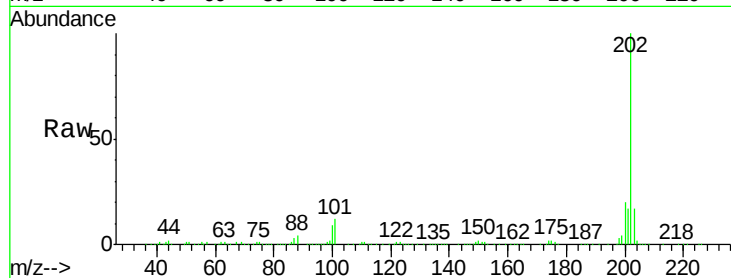
Tot Ion:202 Resp: 348754

Ion Ratio Lower Upper

202 100

200 19.9 17.0 25.4

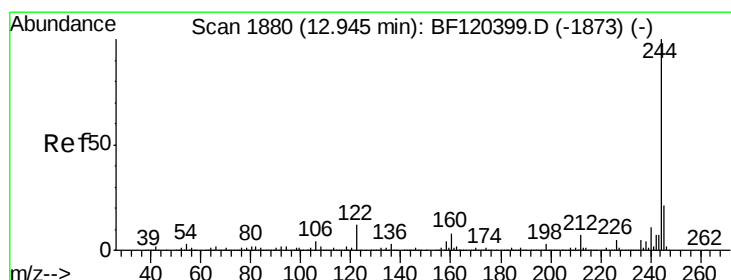
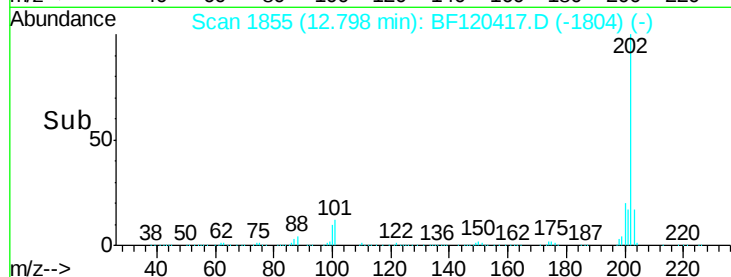
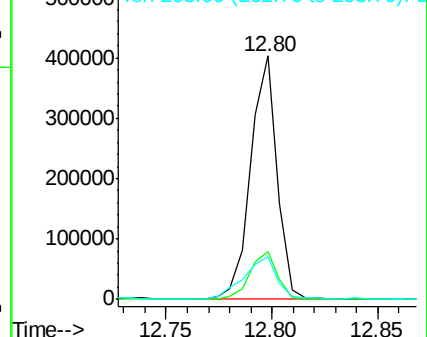
203 17.5 14.7 22.1



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: 143.413 ng

RT: 12.94 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BF120417.D

Acq: 28 May 2020 19:31

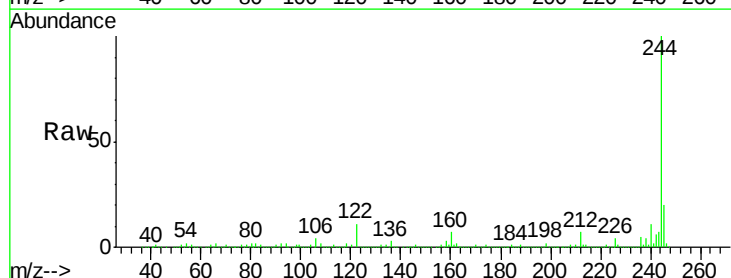
Tgt Ion:244 Resp: 1821389

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

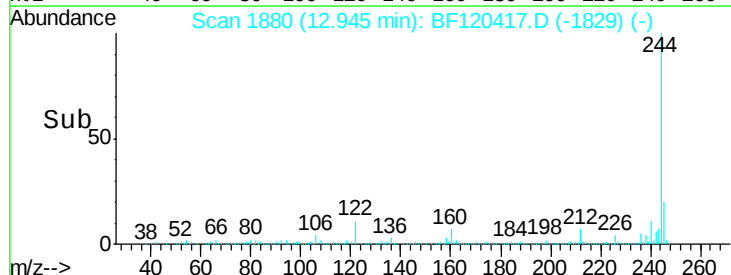
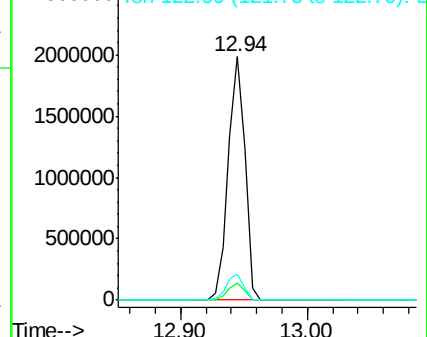
122 10.9 9.2 13.8

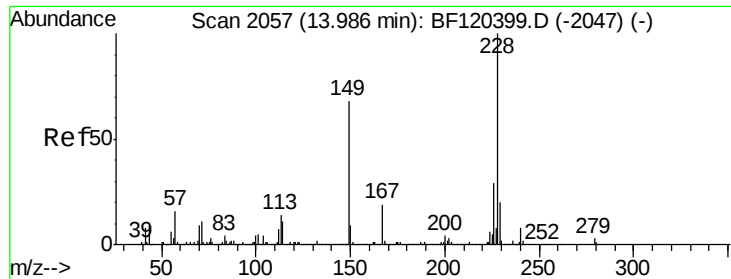


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

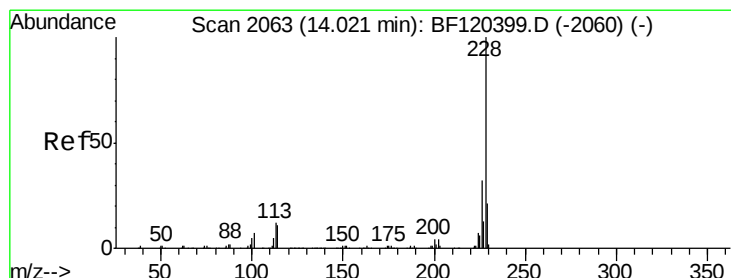
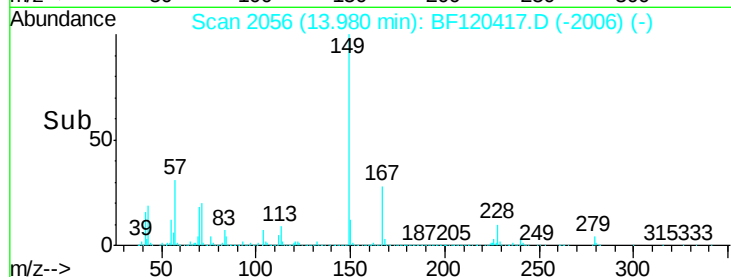
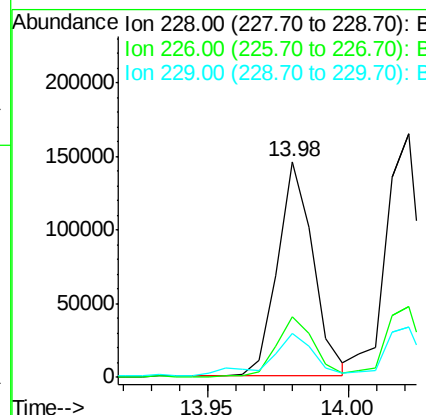
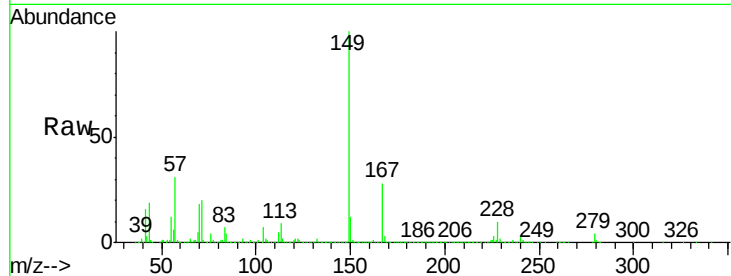




#81
Benzo(a)anthracene
Concen: 8.425 ng
RT: 13.98 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF120417.D
Acq: 28 May 2020 19:31

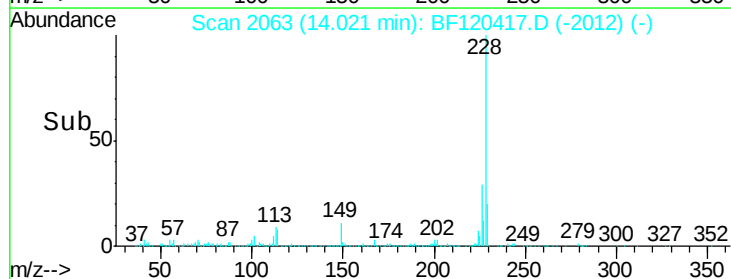
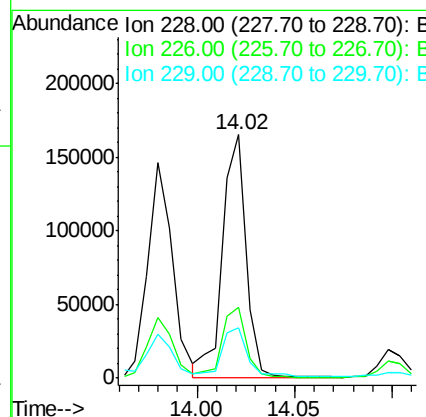
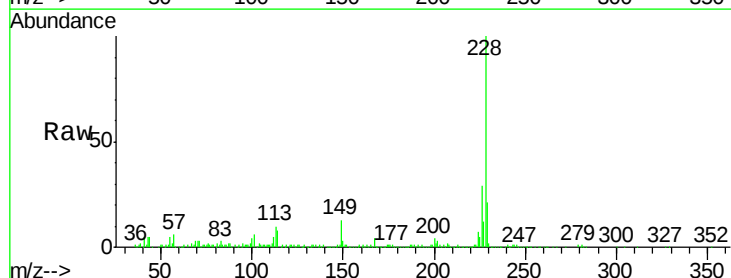
Instrument :
BNA_F
ClientSampleId :
NM95-COMP-2020-0-6

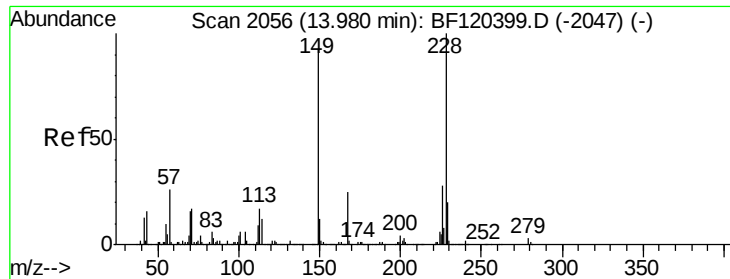
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.0	34.4
229	20.5	16.2	24.4



#83
Chrysene
Concen: 8.602 ng
RT: 14.02 min Scan# 2063
Delta R.T. 0.00 min
Lab File: BF120417.D
Acq: 28 May 2020 19:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.6	38.4
229	20.5	16.6	25.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 580.763 ng

RT: 14.01 min Scan# 2061

Delta R.T. 0.03 min

Lab File: BF120417.D

Acq: 28 May 2020 19:31

Instrument :

BNA_F

ClientSampleId :

NM95-COMP-2020-0-6

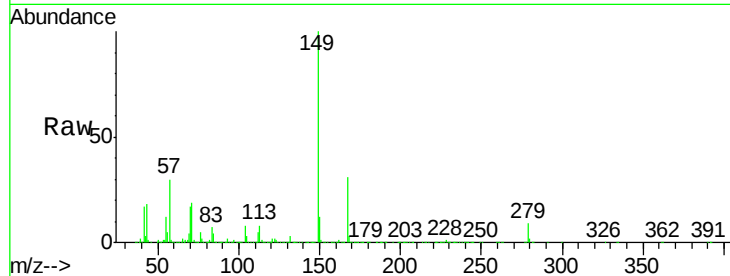
Tot Ion:149 Resp: 5593729

Ion Ratio Lower Upper

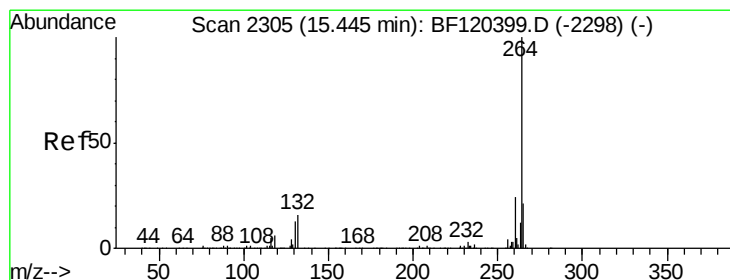
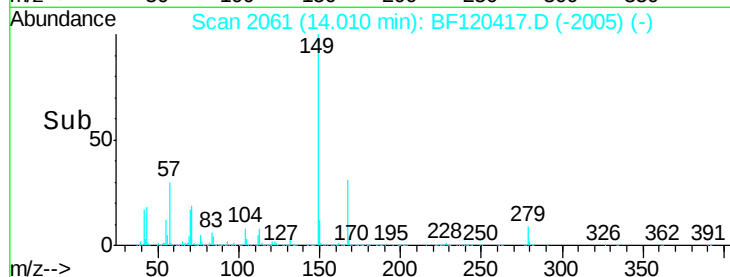
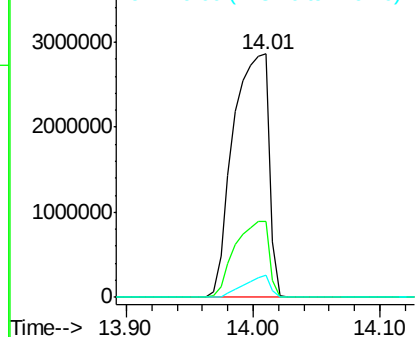
149 100

167 31.4 21.7 32.5

279 9.1 2.9 4.3#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2306

Delta R.T. 0.01 min

Lab File: BF120417.D

Acq: 28 May 2020 19:31

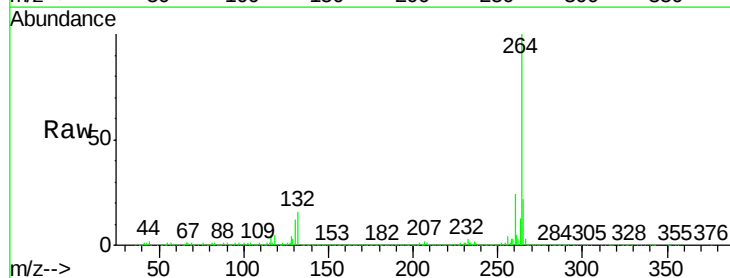
Tgt Ion:264 Resp: 555372

Ion Ratio Lower Upper

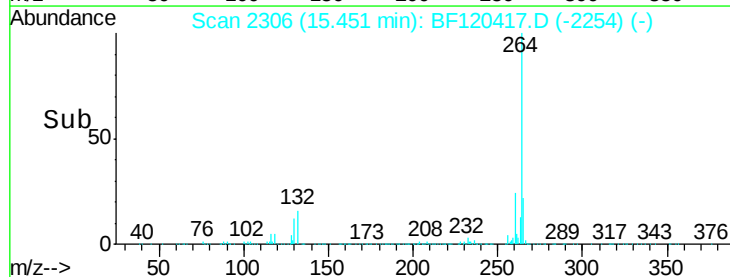
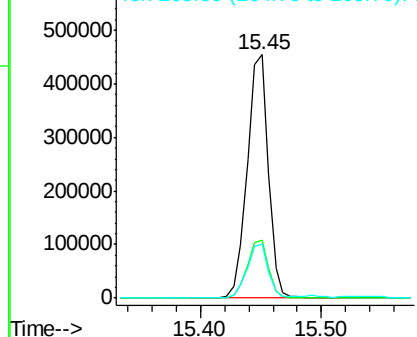
264 100

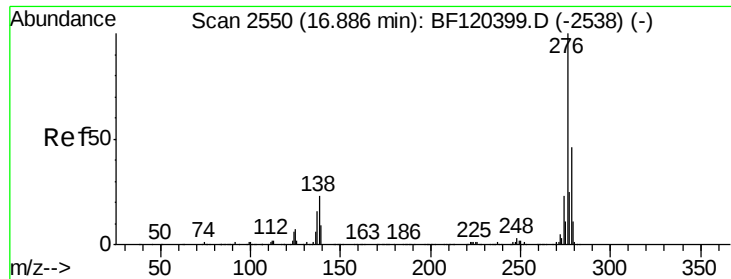
260 23.9 19.2 28.8

265 22.3 16.9 25.3



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

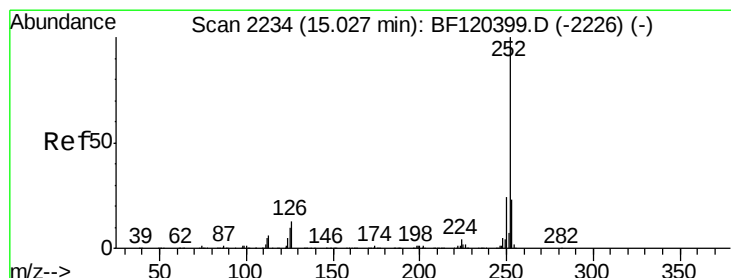
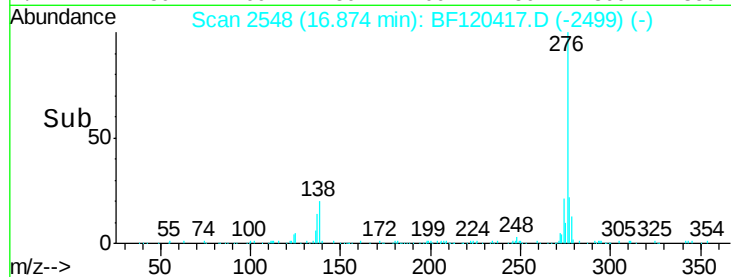
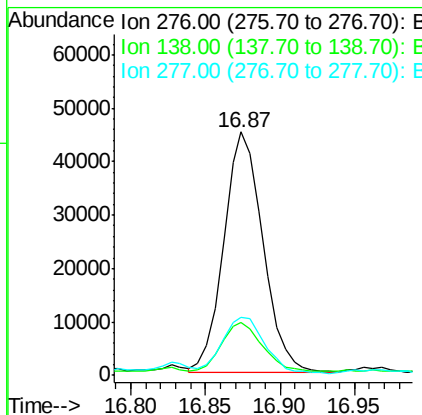
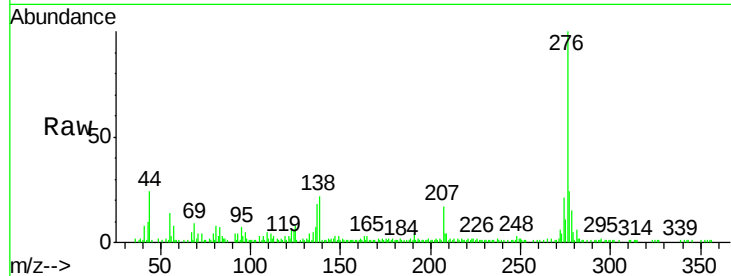




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.707 ng
 RT: 16.87 min Scan# 2548
 Delta R.T. -0.01 min
 Lab File: BF120417.D
 Acq: 28 May 2020 19:31

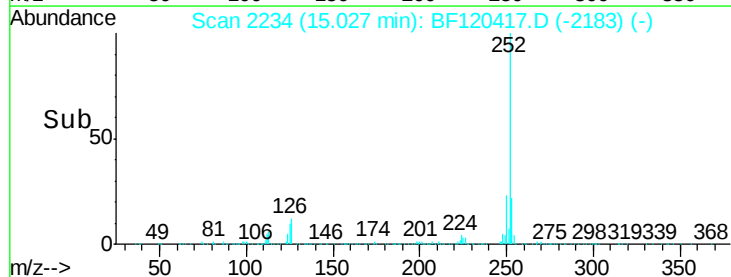
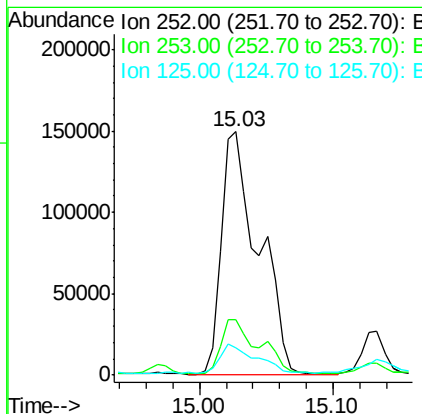
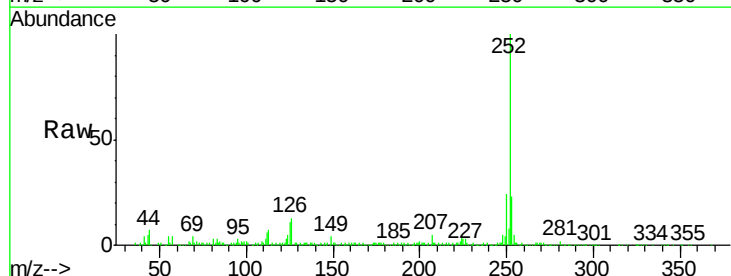
Instrument :
 BNA_F
 ClientSampleId :
 NM95-COMP-2020-0-6

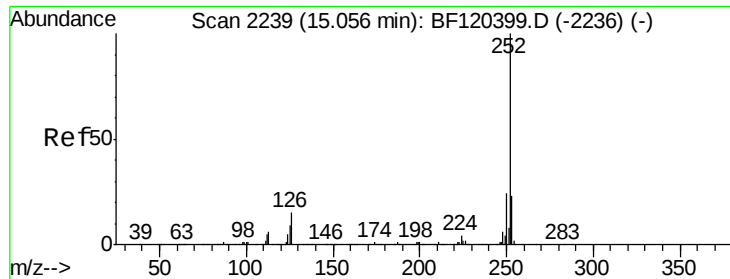
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.6	20.4	30.6
277	25.1	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 9.354 ng
 RT: 15.03 min Scan# 2234
 Delta R.T. 0.00 min
 Lab File: BF120417.D
 Acq: 28 May 2020 19:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	11.2	7.8	11.8

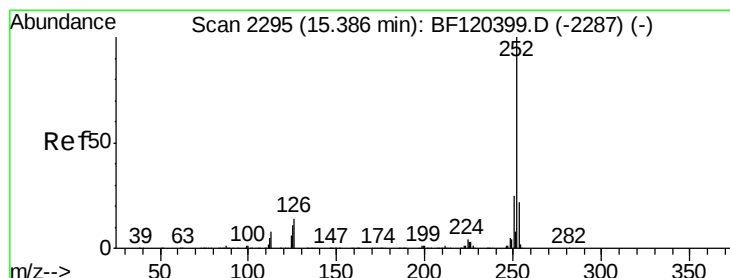
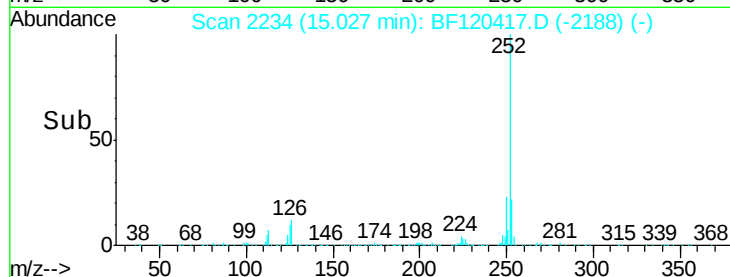
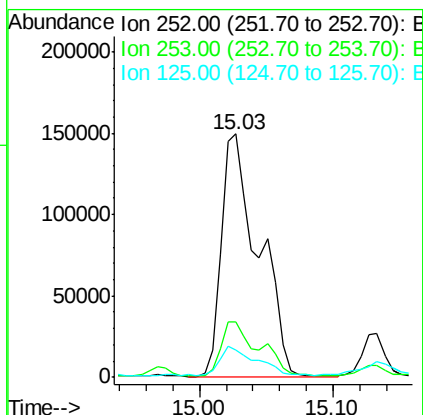
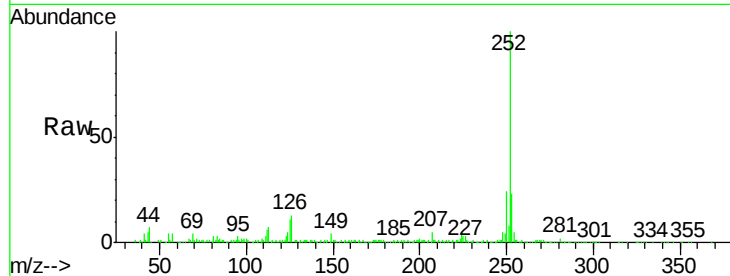




#89
Benzo(k)fluoranthene
Concen: 10.020 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.03 min
Lab File: BF120417.D
Acq: 28 May 2020 19:31

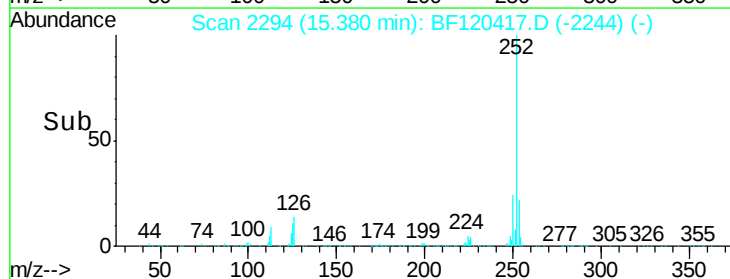
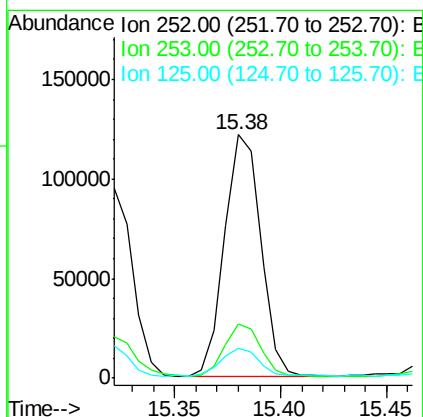
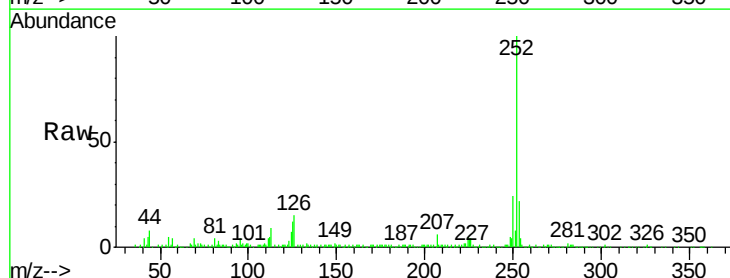
Instrument :
BNA_F
ClientSampleId :
NM95-COMP-2020-0-6

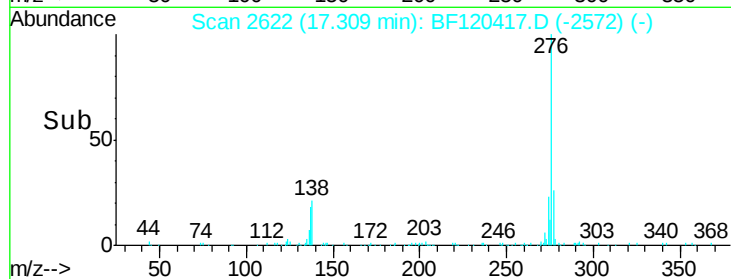
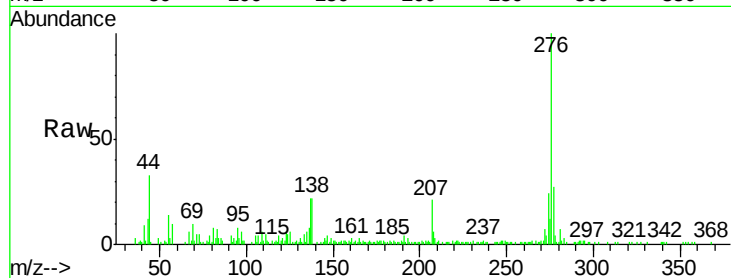
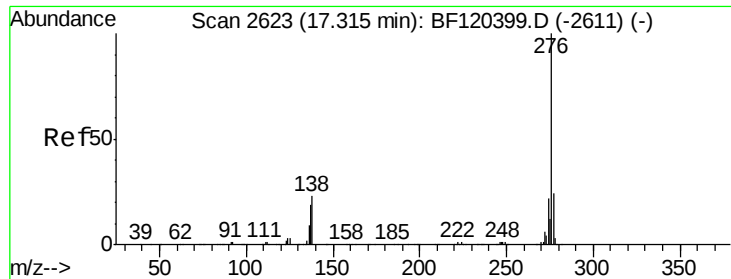
Tot Ion:252 Resp: 288551
Ion Ratio Lower Upper
252 100
253 22.6 18.5 27.7
125 11.2 8.0 12.0



#90
Benzo(a)pyrene
Concen: 5.404 ng
RT: 15.38 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BF120417.D
Acq: 28 May 2020 19:31

Tgt Ion:252 Resp: 145812
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 12.3 8.7 13.1





#92
 Benzo(a,h,i)perylene
 Concen: 3.084 ng
 RT: 17.31 min Scan# 2622
 Delta R.T. -0.01 min
 Lab File: BF120417.D
 Acq: 28 May 2020 19:31

Instrument :
 BNA_F
 ClientSampleId :
 NM95-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.2	19.5	29.3
138	21.6	18.1	27.1

