

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052820\
 Data File : BF120411.D
 Acq On : 28 May 2020 16:38
 Operator : MA/SJ
 Sample : L2744-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM51-COMP-2020-0-6

Manual Integrations
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mohammad
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Quant Time: May 29 03:47:10 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	277175	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1001396	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	476494	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	795762	20.00	ng	0.00
76) Chrysene-d12	13.99	240	547789	20.00	ng	0.00
86) Perylene-d12	15.44	264	583518	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1432957	98.52	ng	0.00
7) Phenol-d6	6.46	99	1803257	100.59	ng	0.00
23) Nitrobenzene-d5	7.40	82	1153603	75.36	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	443032	100.35	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2039914	72.64	ng	0.00
79) Terphenyl-d14	12.94	244	1841616	74.81	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.59	163	354573	11.90	ng	99
71) Phenanthrene	11.38	178	134254	3.83	ng	98
75) Fluoranthene	12.56	202	296335	7.85	ng	100
78) Pyrene	12.79	202	278362	7.31	ng	98
81) Benzo(a)anthracene	13.98	228	142894	4.87	ng	98
83) Chrysene	14.02	228	135069	4.39	ng	98
87) Indeno(1,2,3-cd)pyrene	16.87	276	87198	2.73	ng	94
88) Benzo(b)fluoranthene	15.02	252	178582m	5.51	ng	
89) Benzo(k)fluoranthene	15.04	252	67381m	2.23	ng	
90) Benzo(a)pyrene	15.37	252	135156	4.77	ng	98
92) Benzo(g,h,i)perylene	17.30	276	81918	3.19	ng	99

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

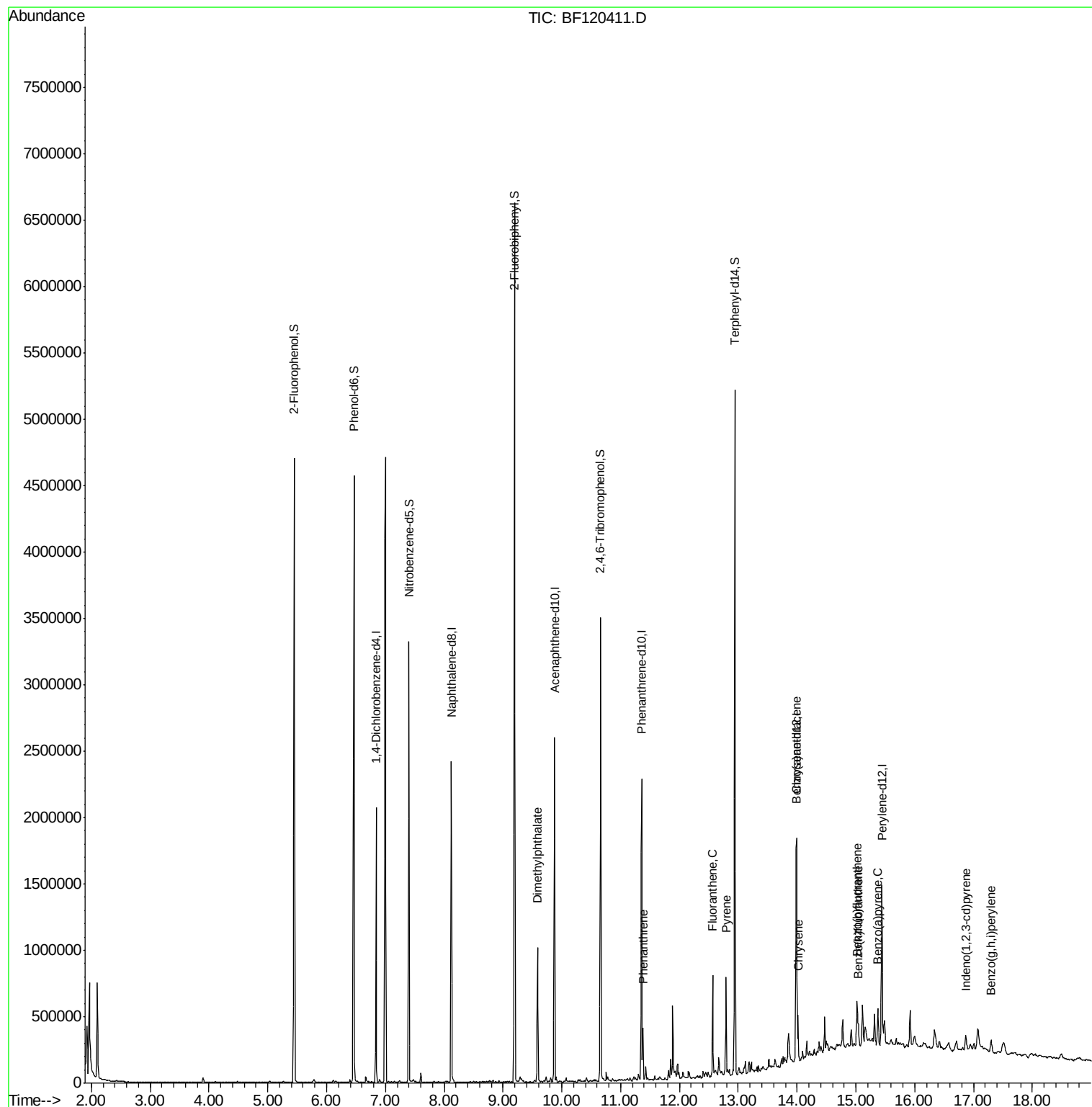
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052820\
Data File : BF120411.D
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Sample : L2744-08
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ALS Vial : 7 Sample Multiplier: 1

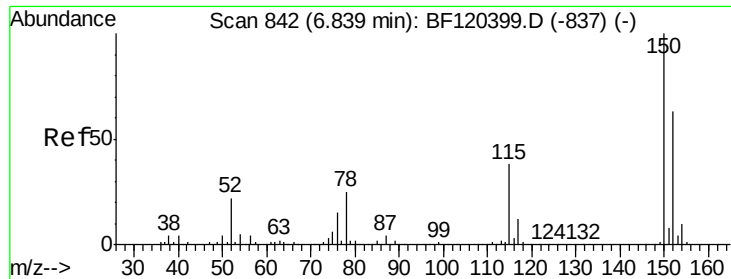
Instrument :
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NM51-COMP-2020-0-6

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#1

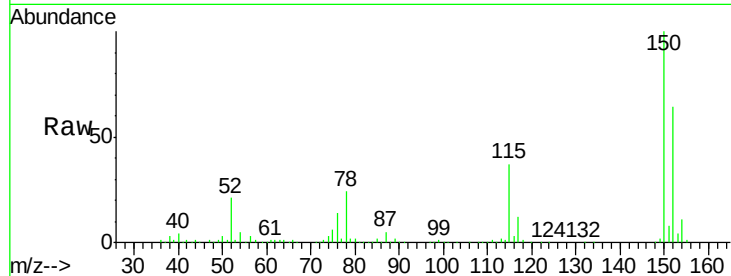
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 842
Delta R.T. -0.00 min
Lab File: BF120411.D
Acq: 28 May 2020 16:38

Instrument :
BNA_F
ClientSampleId :
NM51-COMP-2020-0-6

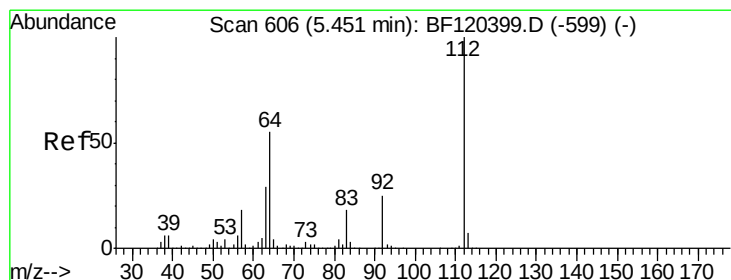
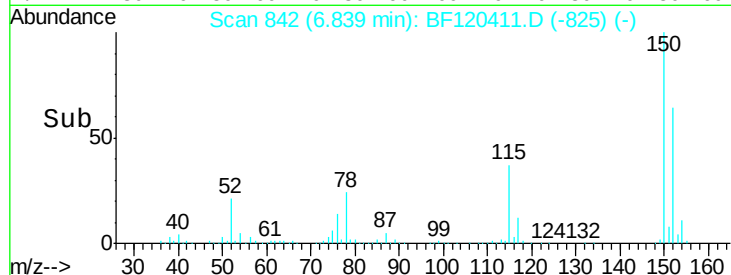
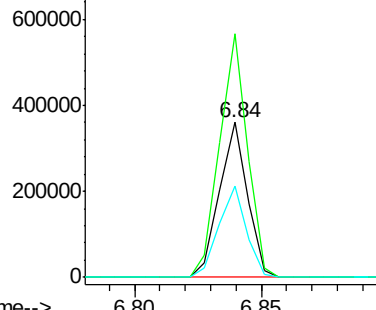
Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.5	189.7
115	58.4	47.6	71.4

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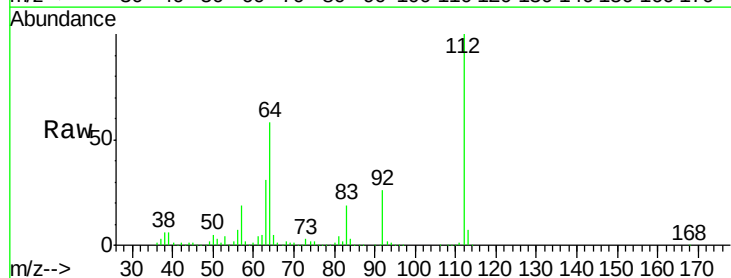
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



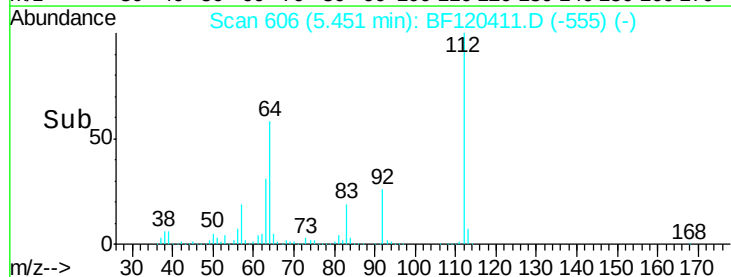
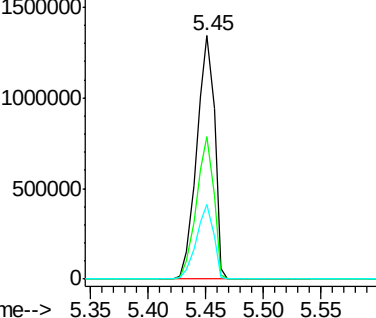
#5

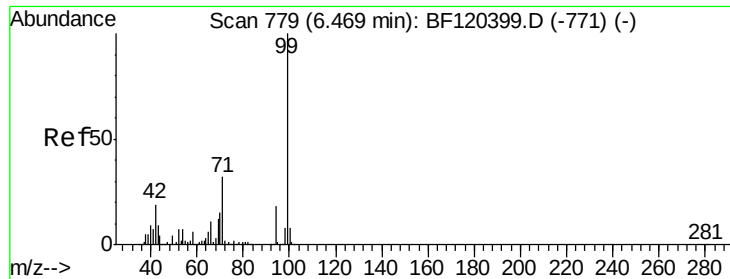
2-Fluorophenol
Concen: 98.52 ng
RT: 5.45 min Scan# 606
Delta R.T. -0.00 min
Lab File: BF120411.D
Acq: 28 May 2020 16:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	44.3	66.5
63	30.5	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: 100.59 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120411.D

Acq: 28 May 2020 16:38

Instrument :

BNA_F

ClientSampleId :

NM51-COMP-2020-0-6

Tgt Ion: 99 Resp: 1803257

Ion Ratio Lower Upper

99 100

42 19.6 15.2 22.8

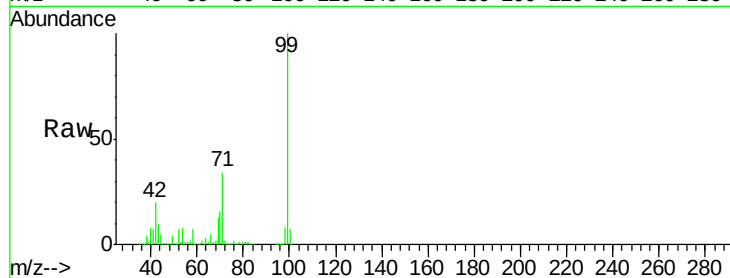
71 33.8 25.6 38.4

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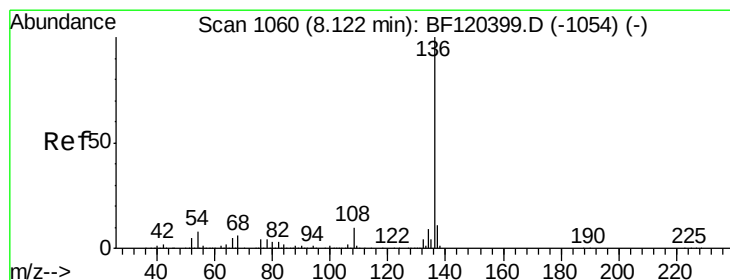
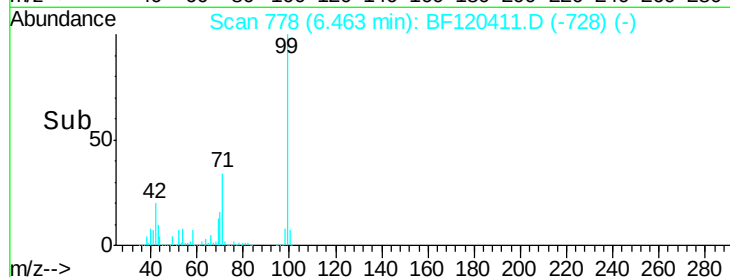
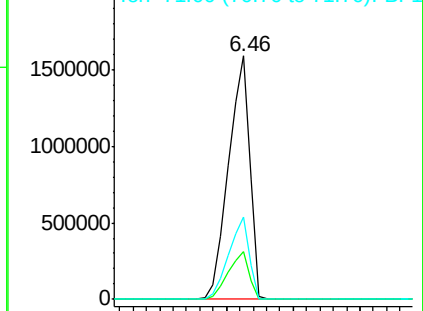
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 1060

Delta R.T. -0.00 min

Lab File: BF120411.D

Acq: 28 May 2020 16:38

Tgt Ion: 136 Resp: 1001396

Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 7.6 6.7 10.1

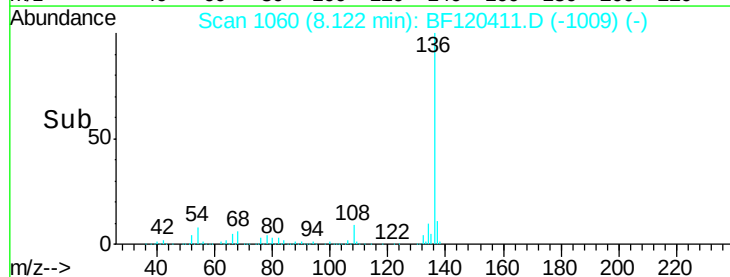
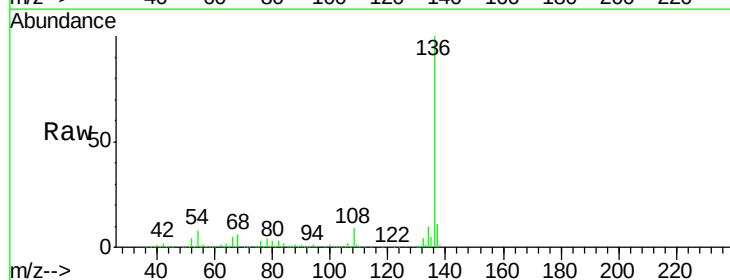
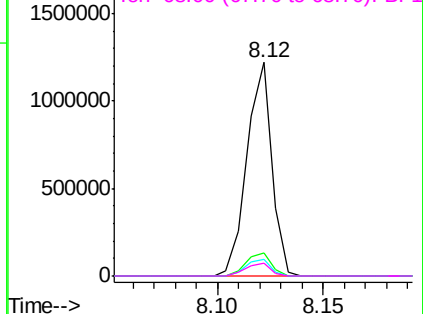
68 5.9 5.0 7.4

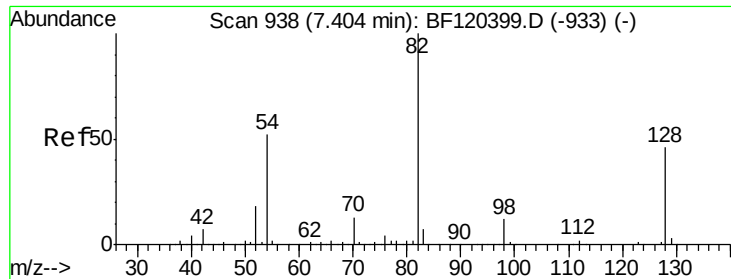
Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.36 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120411.D

Acq: 28 May 2020 16:38

Instrument :

BNA_F

ClientSampleId :

NM51-COMP-2020-0-6

Tgt Ion: 82 Resp: 1153603

Ion Ratio Lower Upper

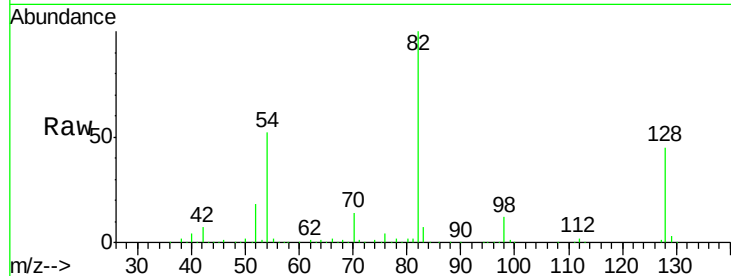
82 100

128 44.6 36.8 55.2

54 52.1 41.6 62.4

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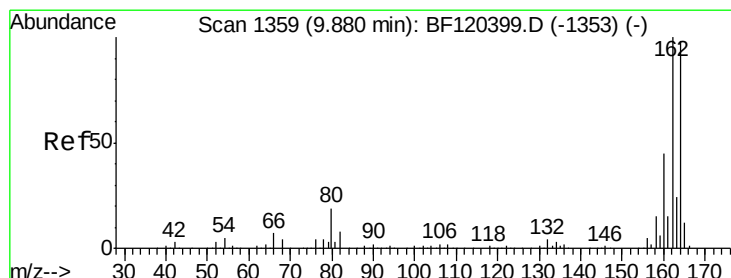
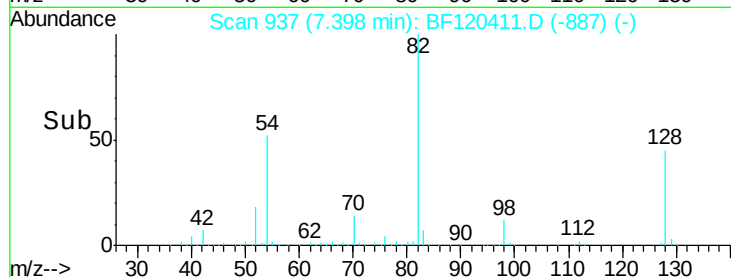
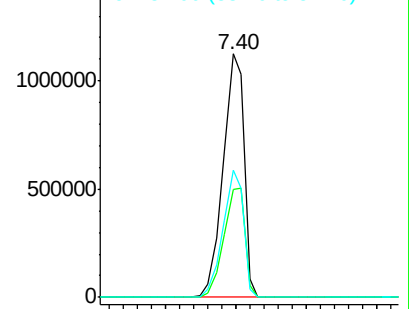
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Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 1358

Delta R.T. -0.01 min

Lab File: BF120411.D

Acq: 28 May 2020 16:38

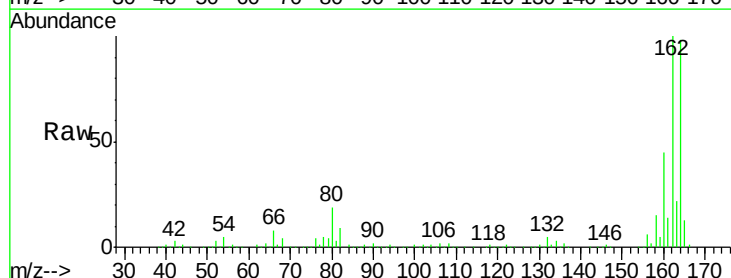
Tgt Ion: 164 Resp: 476494

Ion Ratio Lower Upper

164 100

162 102.0 81.3 121.9

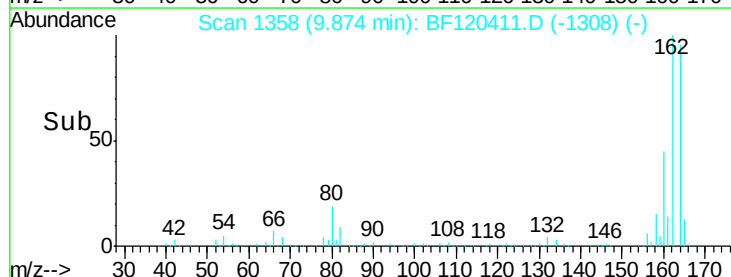
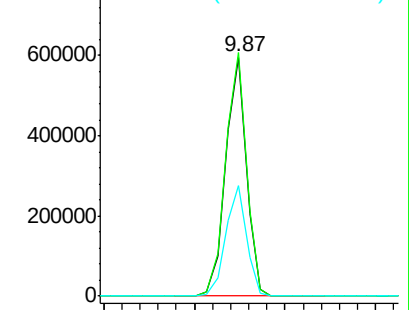
160 46.2 36.9 55.3

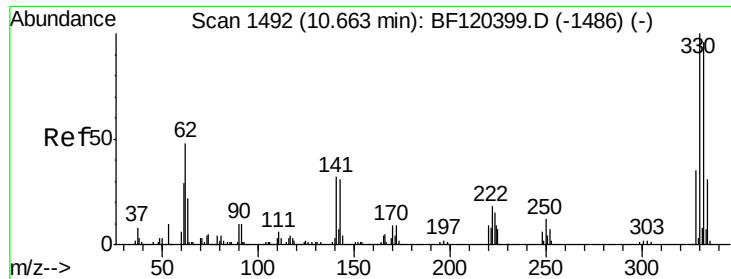


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





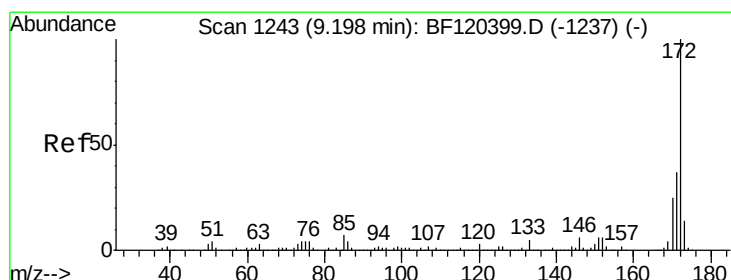
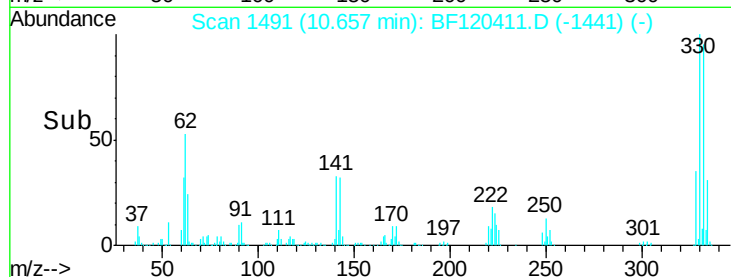
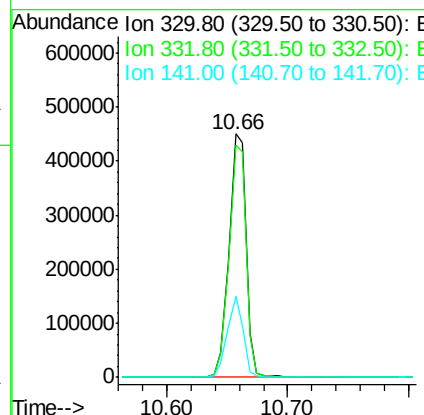
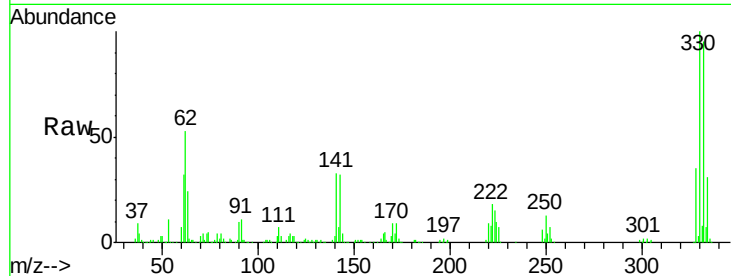
#42
 2,4,6-Tribromophenol
 Concen: 100.35 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120411.D
 Acq: 28 May 2020 16:38

Instrument :
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 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
330	100	443032		
332	96.1	77.0	115.6	
141	31.0	25.3	37.9	

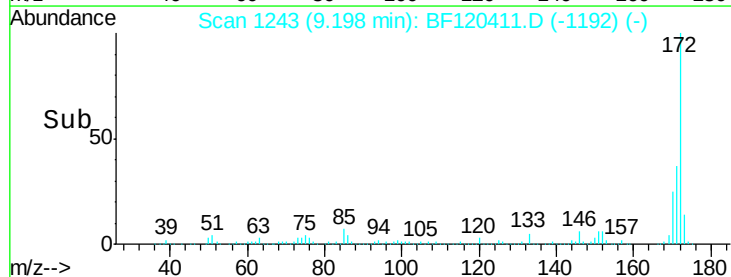
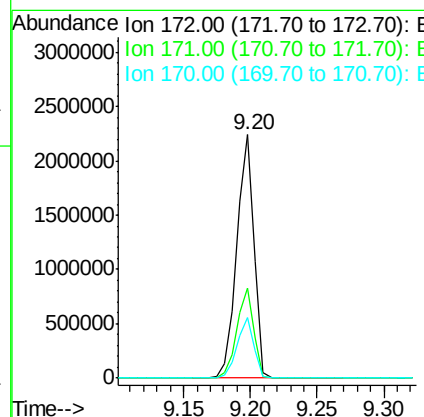
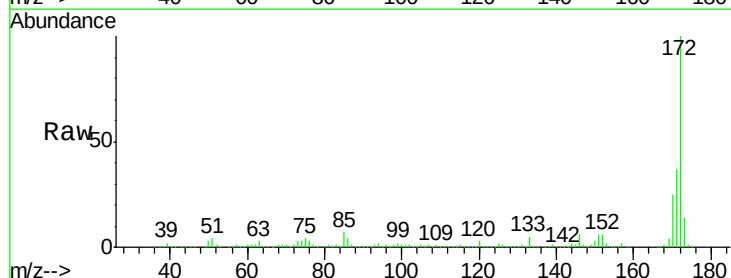
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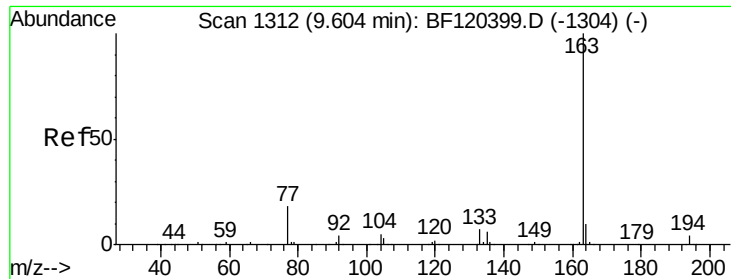
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#45
 2-Fluorobiphenyl
 Concen: 72.64 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: BF120411.D
 Acq: 28 May 2020 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2039914		
171	37.0	29.7	44.5	
170	24.7	19.9	29.9	





#50

Dimethylphthalate

Concen: 11.90 ng

RT: 9.59 min Scan# 1309

Delta R.T. -0.02 min

Lab File: BF120411.D

Acq: 28 May 2020 16:38

Instrument :

BNA_F

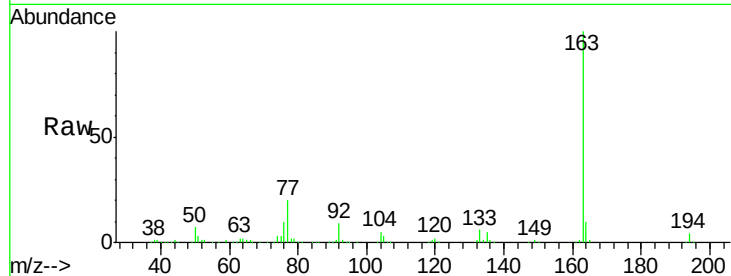
ClientSampleId :

NM51-COMP-2020-0-6

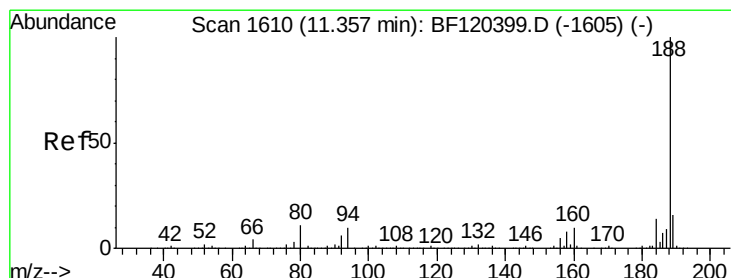
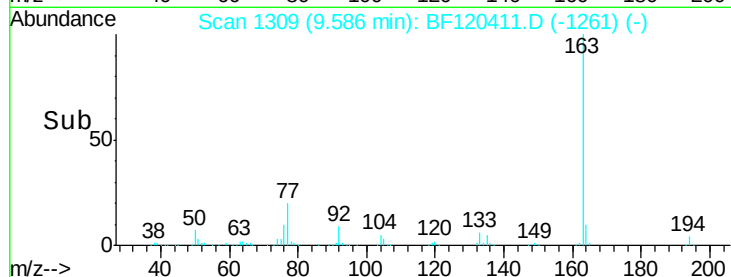
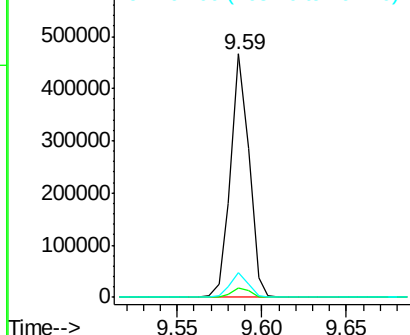
Tgt Ion:	163	Resp:	354573
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.3	4.9
164	10.2	8.3	12.5

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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



#64

Phenanthrene-d10

Concen: 20.00 ng

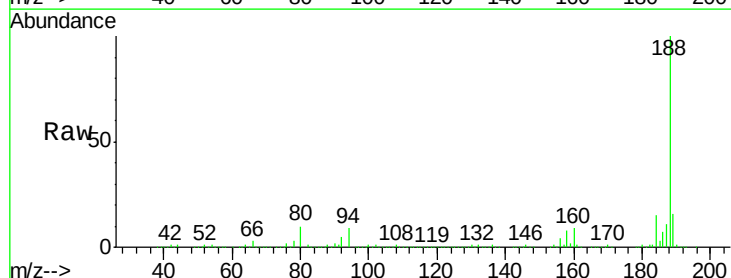
RT: 11.36 min Scan# 1610

Delta R.T. -0.00 min

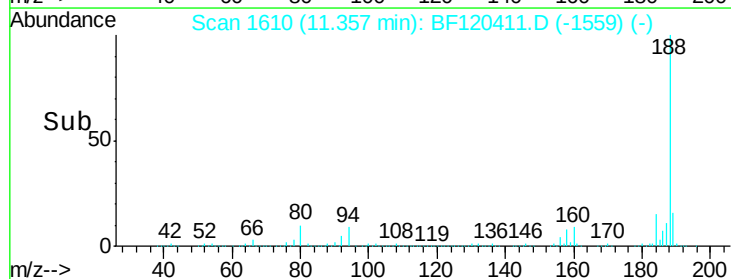
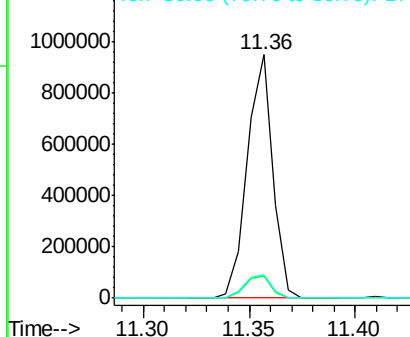
Lab File: BF120411.D

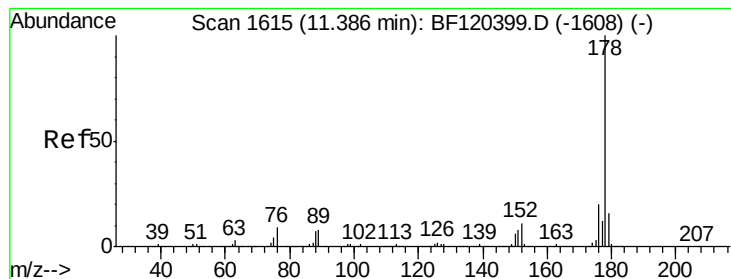
Acq: 28 May 2020 16:38

Tgt Ion:	188	Resp:	795762
Ion Ratio	Lower	Upper	
188	100		
94	8.9	7.9	11.9
80	9.5	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





#71

Phenanthrene

Concen: 3.83 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120411.D

Acq: 28 May 2020 16:38

Instrument :

BNA_F

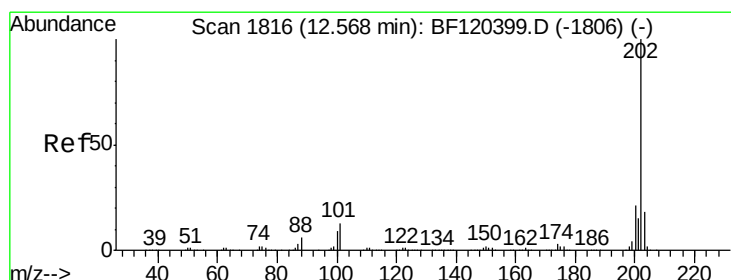
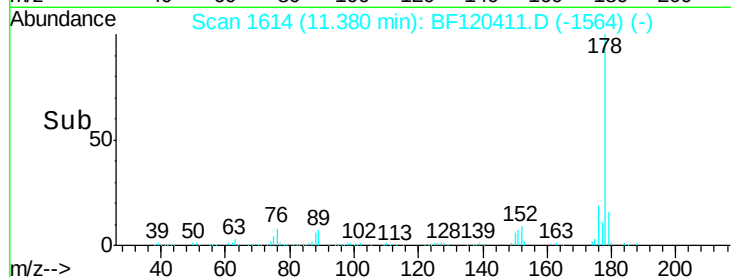
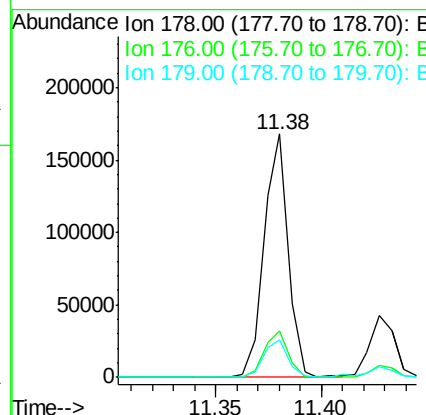
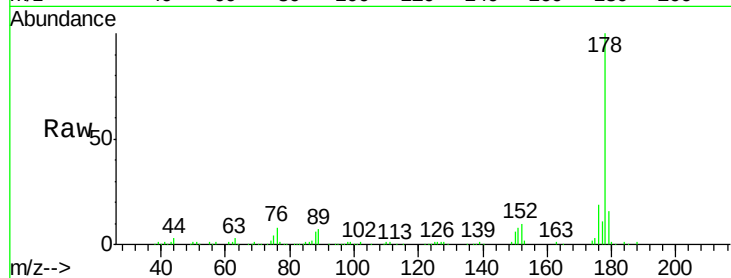
ClientSampleId :

NM51-COMP-2020-0-6

Tgt Ion:	178	Resp:	134254
Ion Ratio	Lower	Upper	
178	100		
176	19.1	16.4	24.6
179	15.5	13.0	19.4

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#75

Fluoranthene

Concen: 7.85 ng

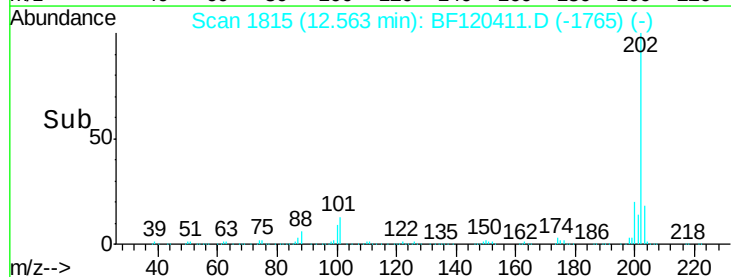
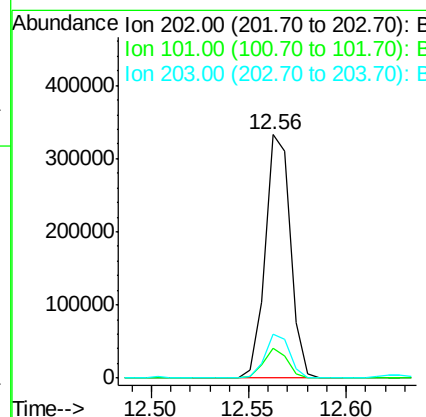
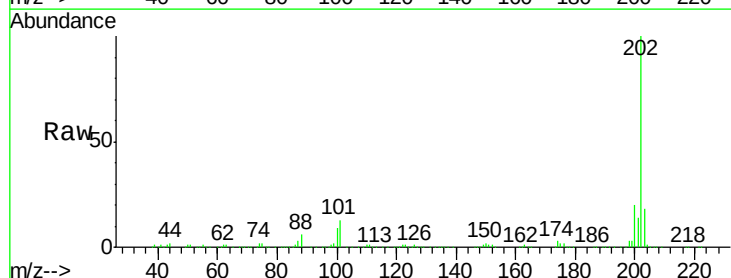
RT: 12.56 min Scan# 1815

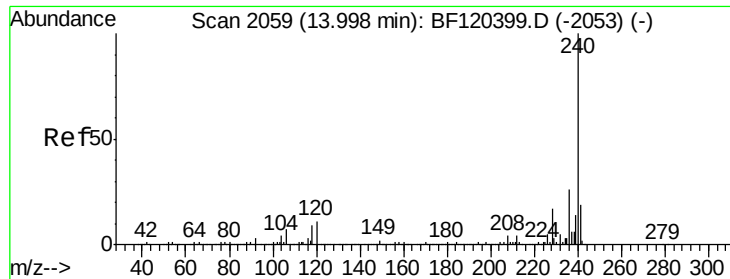
Delta R.T. -0.01 min

Lab File: BF120411.D

Acq: 28 May 2020 16:38

Tgt Ion:	202	Resp:	296335
Ion Ratio	Lower	Upper	
202	100		
101	12.5	0.0	32.6
203	18.2	0.0	38.4





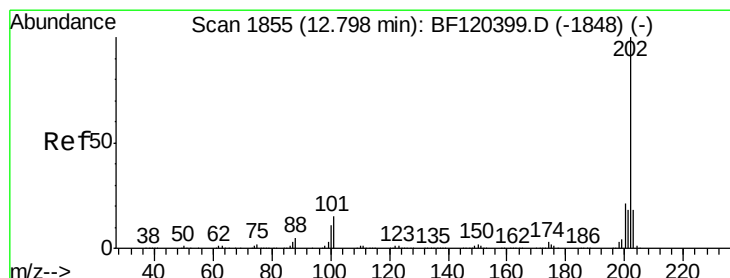
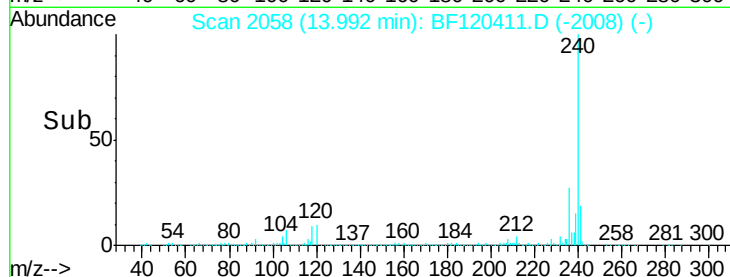
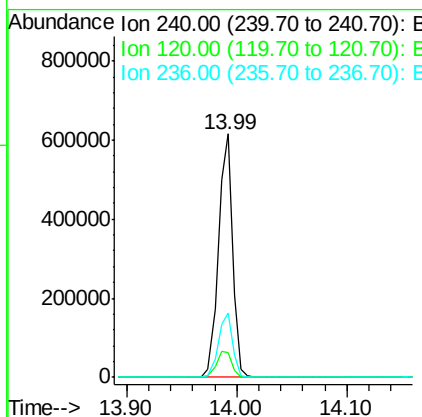
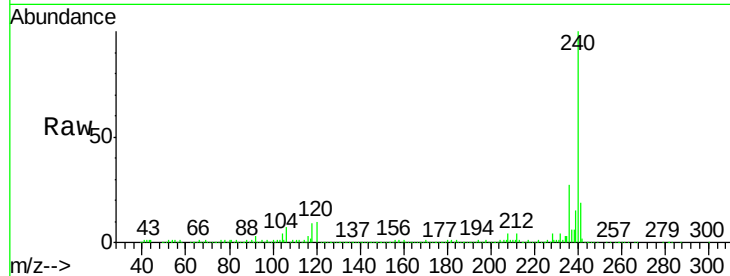
#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BF120411.D
Acq: 28 May 2020 16:38

Instrument :
BNA_F
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NM51-COMP-2020-0-6

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	547789		
120	10.2	8.8	13.2	
236	26.7	21.0	31.4	

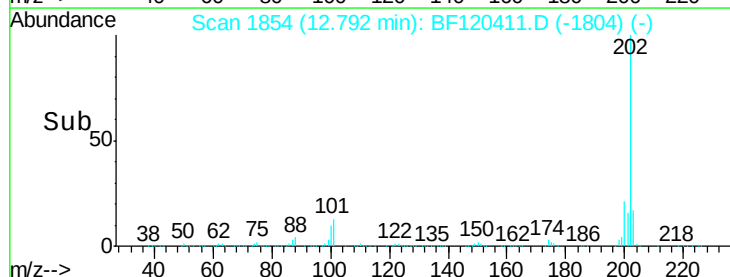
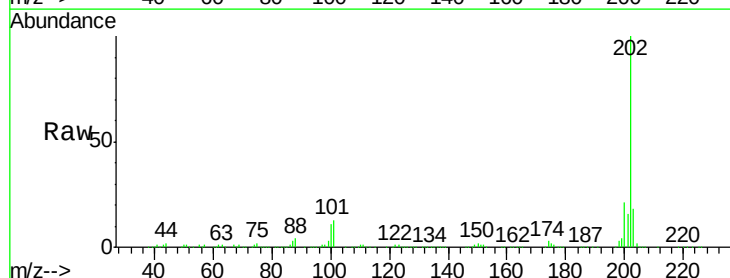
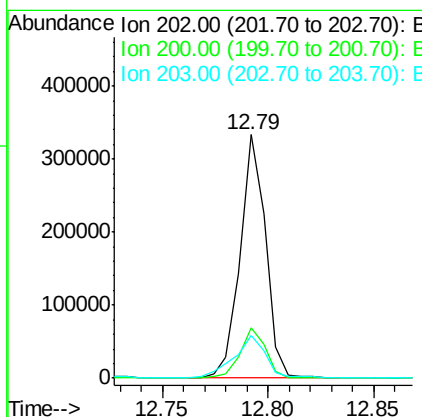
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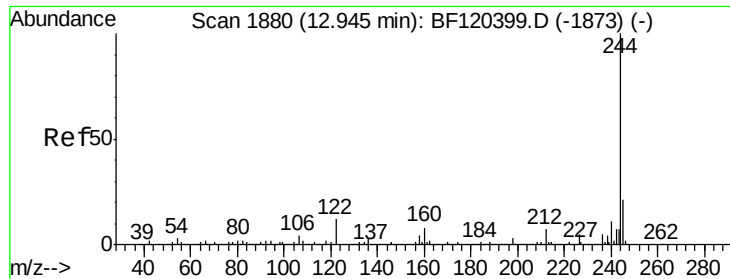
mohammad
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#78
Pyrene
Concen: 7.31 ng
RT: 12.79 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF120411.D
Acq: 28 May 2020 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	278362		
200	20.6	17.0	25.4	
203	17.6	14.7	22.1	





#79

Terphenyl-d14

Concen: 74.81 ng

RT: 12.94 min Scan# 1880

Delta R.T. -0.00 min

Lab File: BF120411.D

Acq: 28 May 2020 16:38

Instrument :

BNA_F

ClientSampleId :

NM51-COMP-2020-0-6

Tgt Ion:244 Resp: 1841616

Ion Ratio Lower Upper

244 100

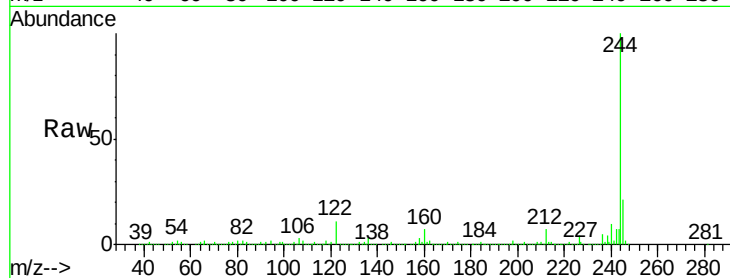
212 7.0 5.9 8.9

122 10.9 9.2 13.8

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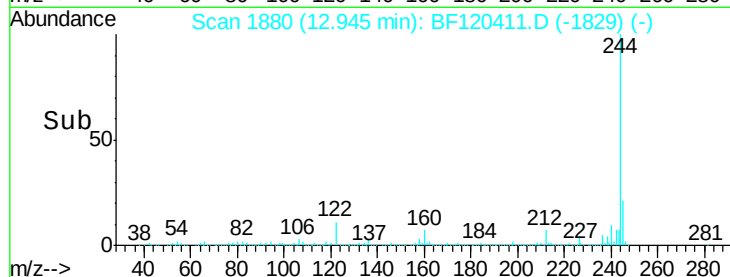


Abundance Ion 244.00 (243.70 to 244.70): E

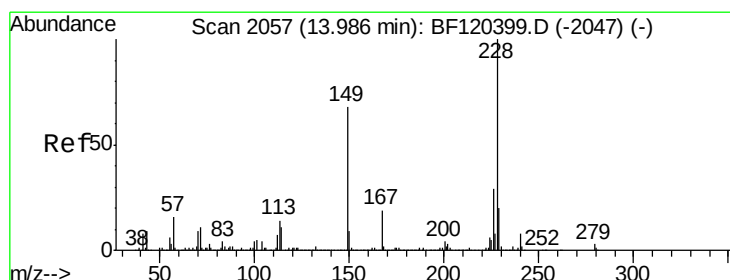
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



Time-->



#81

Benzo(a)anthracene

Concen: 4.87 ng

RT: 13.98 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF120411.D

Acq: 28 May 2020 16:38

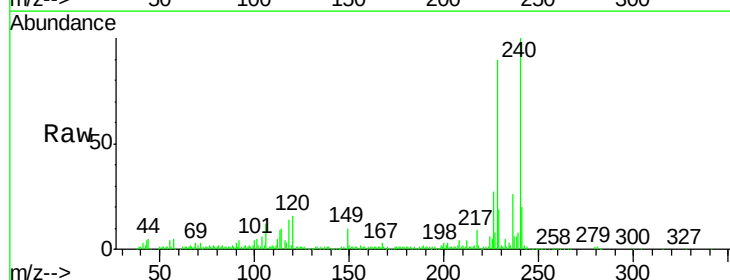
Tgt Ion:228 Resp: 142894

Ion Ratio Lower Upper

228 100

226 30.3 23.0 34.4

229 21.0 16.2 24.4

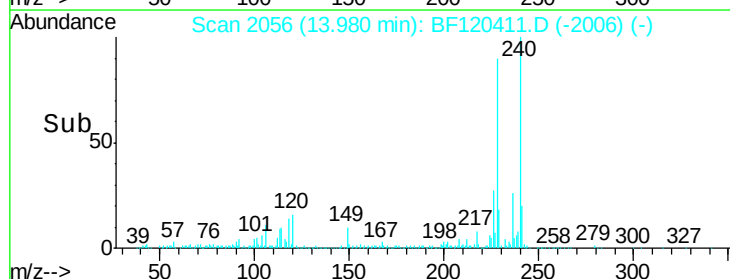


Abundance Ion 228.00 (227.70 to 228.70): E

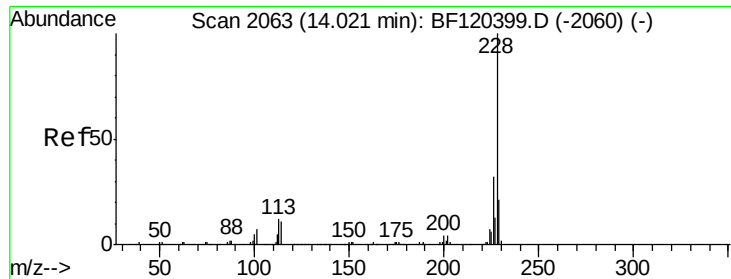
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



Time-->



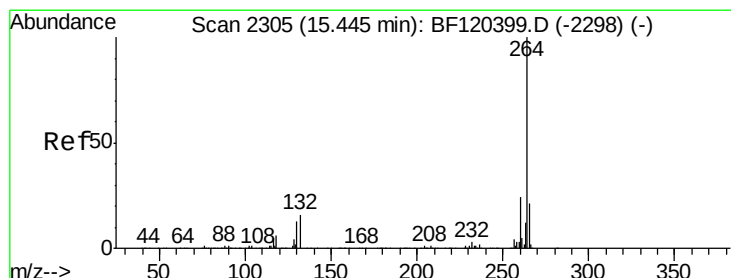
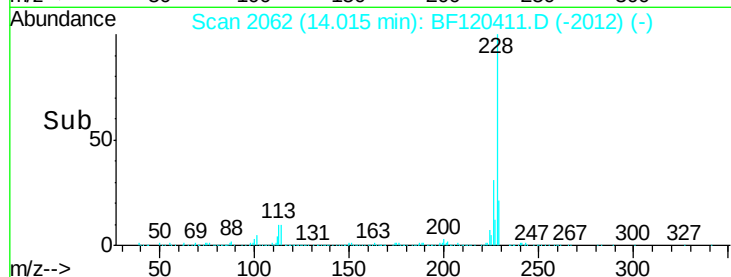
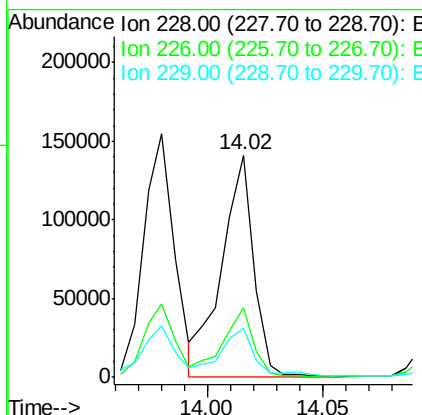
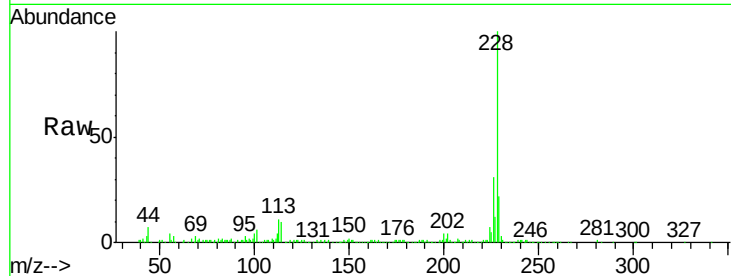
#83
Chrysene
Concen: 4.39 ng
RT: 14.02 min Scan# 2062
Delta R.T. -0.01 min
Lab File: BF120411.D
Acq: 28 May 2020 16:38

Instrument :
BNA_F
ClientSampleId :
NM51-COMP-2020-0-6

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	135069		
226	31.3	25.6	38.4	
229	22.2	16.6	25.0	

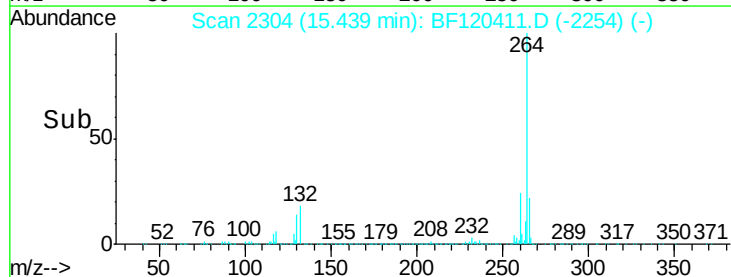
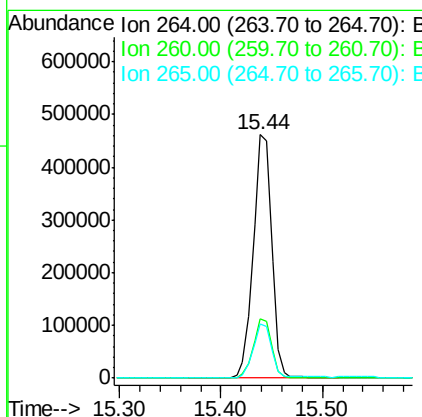
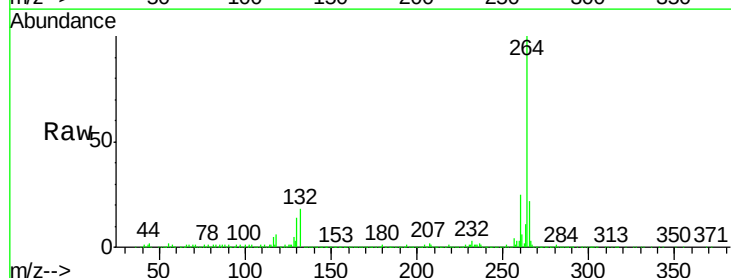
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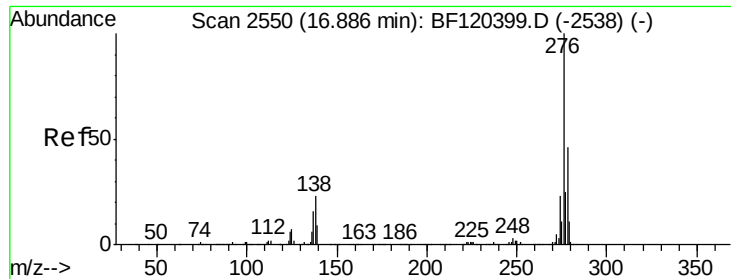
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 2304
Delta R.T. -0.01 min
Lab File: BF120411.D
Acq: 28 May 2020 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	583518		
260	24.6	19.2	28.8	
265	22.2	16.9	25.3	





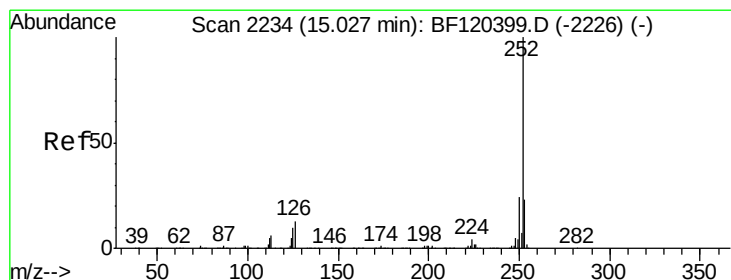
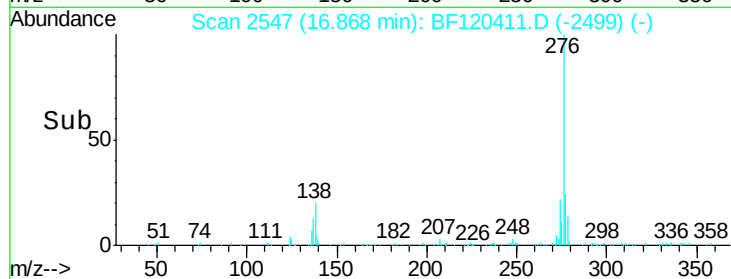
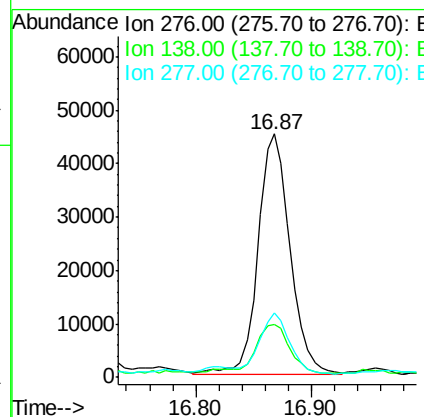
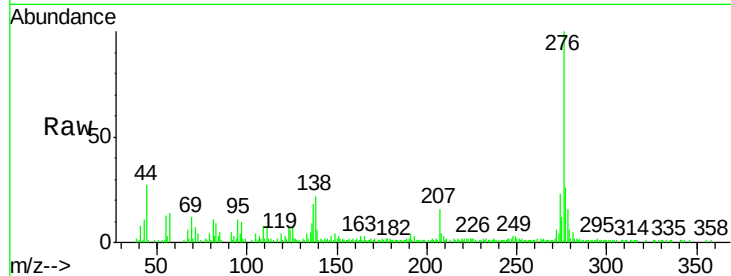
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.73 ng
 RT: 16.87 min Scan# 2547
 Delta R.T. -0.02 min
 Lab File: BF120411.D
 Acq: 28 May 2020 16:38

Instrument :
 BNA_F
 ClientSampleId :
 NM51-COMP-2020-0-6

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.9	20.4	30.6
277	24.0	20.4	30.6

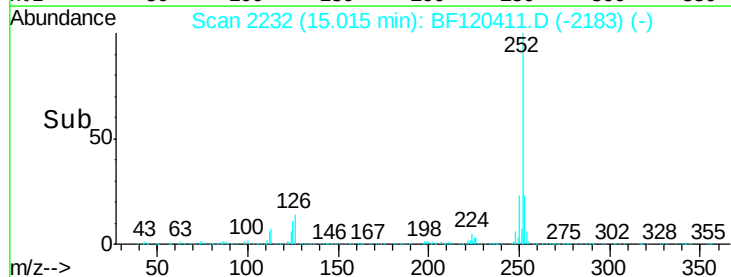
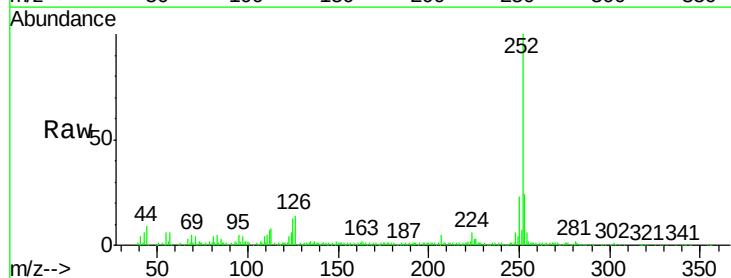
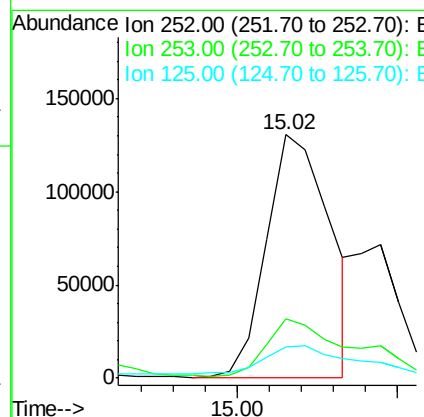
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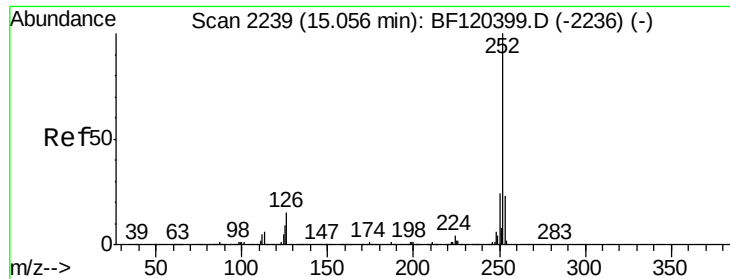
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#88
 Benzo(b)fluoranthene
 Concen: 5.51 ng m
 RT: 15.02 min Scan# 2232
 Delta R.T. -0.01 min
 Lab File: BF120411.D
 Acq: 28 May 2020 16:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.1	27.1
125	12.6	7.8	11.8





#89

Benzo(k)fluoranthene

Concen: 2.23 ng m

RT: 15.04 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BF120411.D

Acq: 28 May 2020 16:38

Instrument :

BNA_F

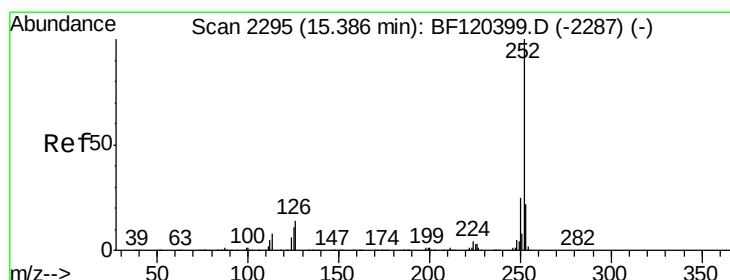
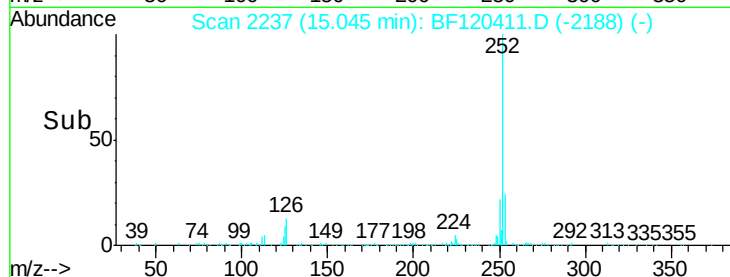
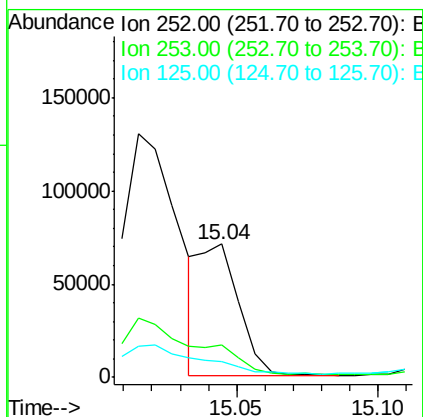
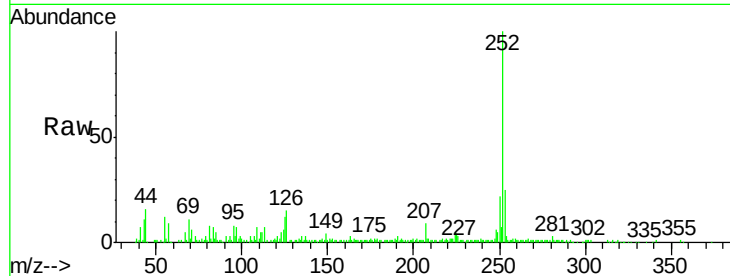
ClientSampleId :

NM51-COMP-2020-0-6

Tgt Ion:	252	Resp:	67381
Ion Ratio	Lower	Upper	
252	100		
253	24.7	18.5	27.7
125	11.7	8.0	12.0

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#90

Benzo(a)pyrene

Concen: 4.77 ng

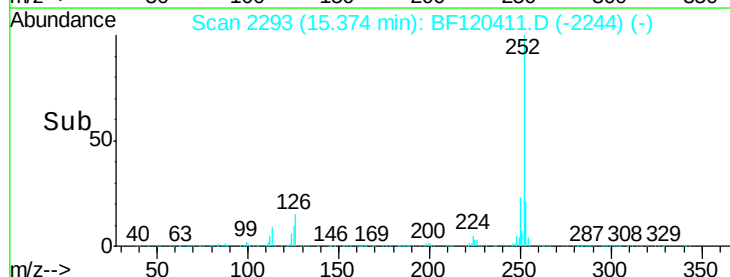
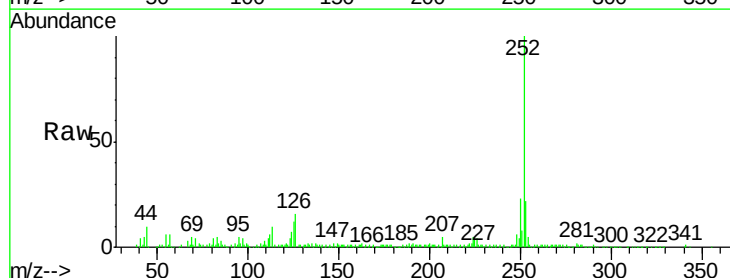
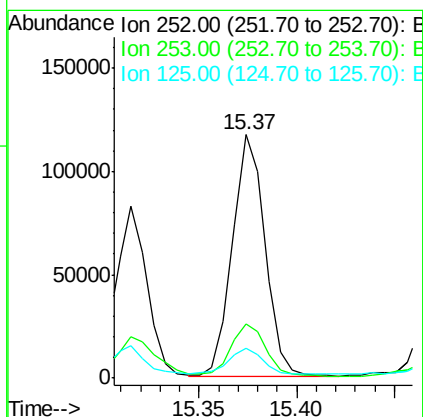
RT: 15.37 min Scan# 2293

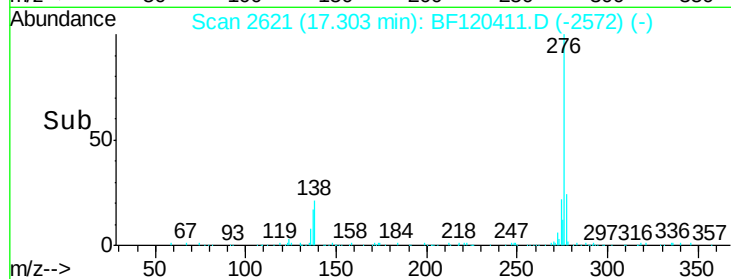
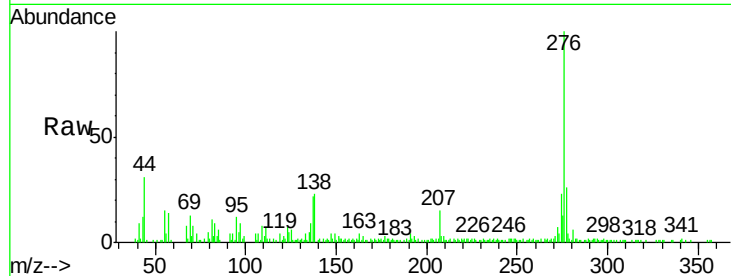
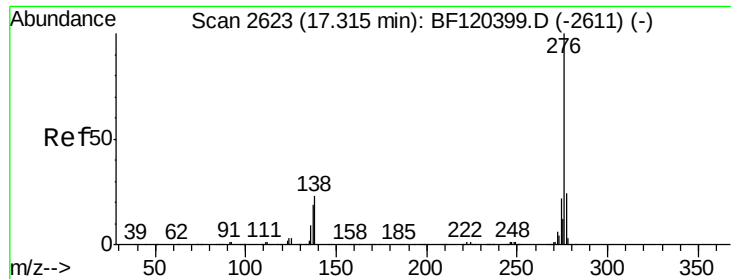
Delta R.T. -0.01 min

Lab File: BF120411.D

Acq: 28 May 2020 16:38

Tgt Ion:	252	Resp:	135156
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.4	26.0
125	12.2	8.7	13.1





#92
 Benzo(g,h,i)perylene
 Concen: 3.19 ng
 RT: 17.30 min Scan# 2621
 Delta R.T. -0.01 min
 Lab File: BF120411.D
 Acq: 28 May 2020 16:38

Instrument :
 BNA_F
 ClientSampleId :
 NM51-COMP-2020-0-6

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.5	29.3
138	22.7	18.1	27.1

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