

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
 Data File : BF120428.D
 Acq On : 29 May 2020 00:46
 Operator : MA/SJ
 Sample : L2744-20 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM50-COMP-2020-0-6

Quant Time: May 29 03:33:01 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	255861	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	875389	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	383734	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	641946	20.00	ng	0.00
76) Chrysene-d12	14.00	240	554526	20.00	ng	0.00
86) Perylene-d12	15.45	264	468883	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	555491	41.38	ng	0.00
7) Phenol-d6	6.46	99	671188	40.56	ng	0.00
23) Nitrobenzene-d5	7.40	82	393762	29.42	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	141561	39.82	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	776960	34.35	ng	0.00
79) Terphenyl-d14	12.94	244	734418	29.47	ng	0.00

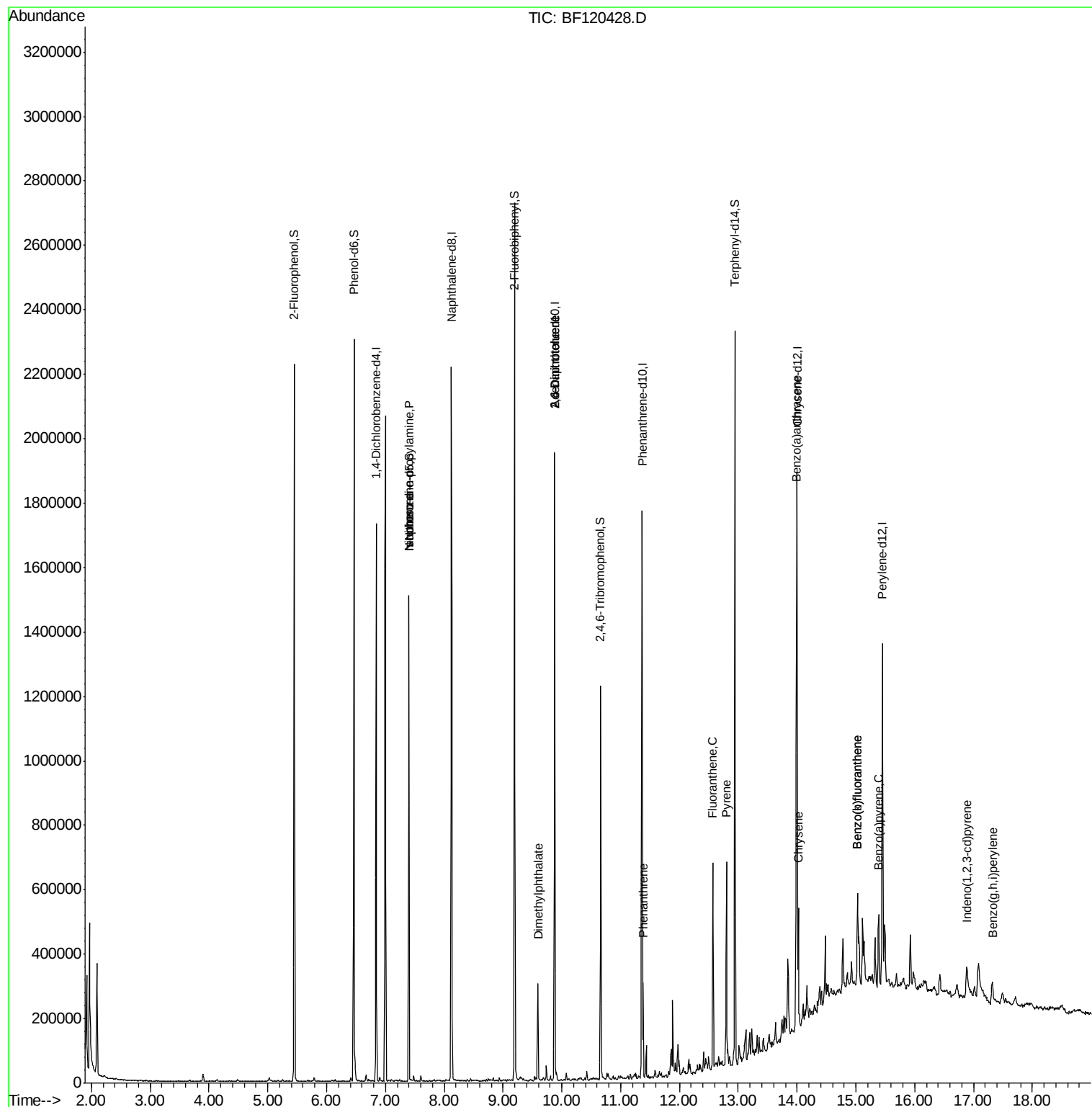
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	51236	4.871	ng	# 81
25) Isophorone	7.40	82	393583	14.633	ng	# 64
50) Dimethylphthalate	9.59	163	117541	4.900	ng	99
51) 2,6-Dinitrotoluene	9.87	165	50090	9.395	ng	# 23
57) 2,4-Dinitrotoluene	9.87	165	50090	7.341	ng	# 22
71) Phenanthrene	11.38	178	104588	3.698	ng	98
75) Fluoranthene	12.57	202	238172	7.825	ng	98
78) Pyrene	12.80	202	241077	6.251	ng	99
81) Benzo(a)anthracene	13.99	228	146075	4.915	ng	98
83) Chrysene	14.02	228	131452	4.219	ng	97
87) Indeno(1,2,3-cd)pyrene	16.88	276	58344	2.275	ng	96
88) Benzo(b)fluoranthene	15.03	252	205932	7.907	ng	97
89) Benzo(k)fluoranthene	15.03	252	205932	8.470	ng	98
90) Benzo(a)pyrene	15.39	252	105790	4.644	ng	98
92) Benzo(a,h,i)perylene	17.32	276	55009	2.668	ng	97

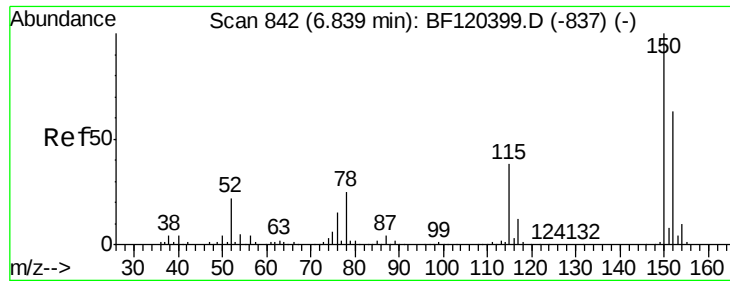
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF120428.D

Acq: 29 May 2020 00:46

Instrument :

BNA_F

ClientSampleId :

NM50-COMP-2020-0-6

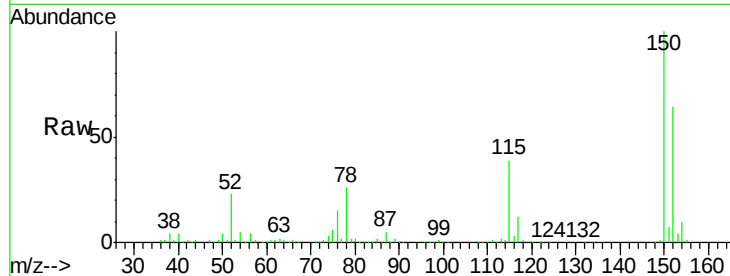
Tot Ion:152 Resp: 255861

Ion Ratio Lower Upper

152 100

150 156.8 126.5 189.7

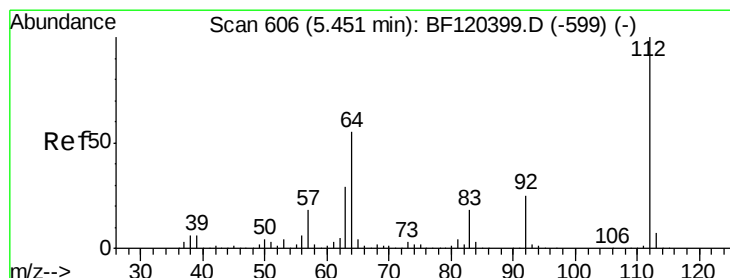
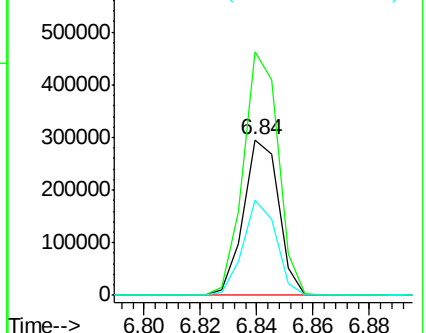
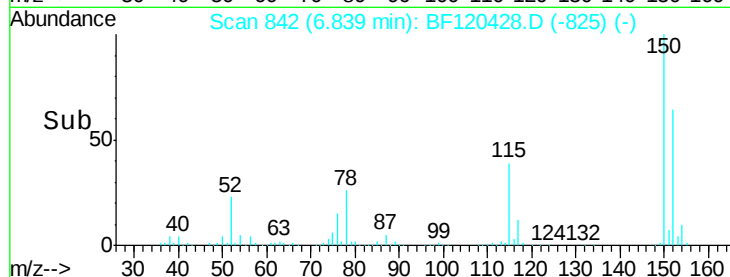
115 61.0 47.6 71.4



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: 41.375 ng

RT: 5.45 min Scan# 606

Delta R.T. 0.00 min

Lab File: BF120428.D

Acq: 29 May 2020 00:46

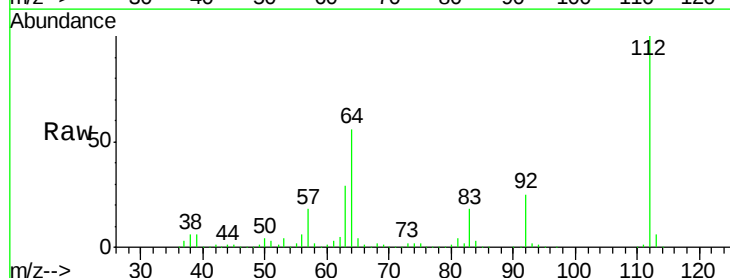
Tgt Ion:112 Resp: 555491

Ion Ratio Lower Upper

112 100

64 56.5 44.3 66.5

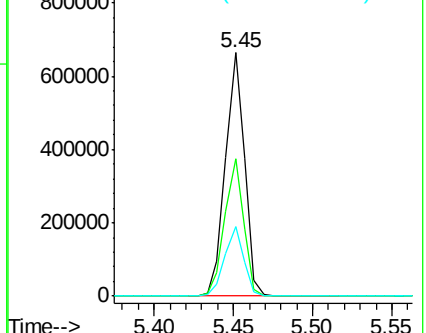
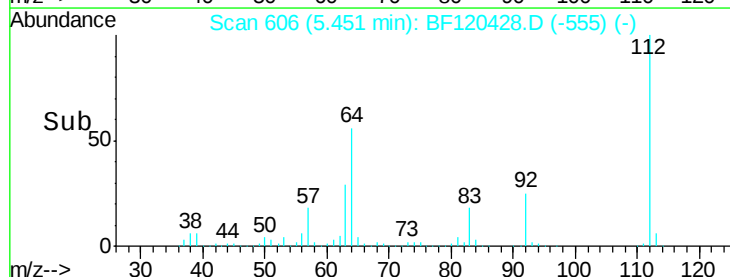
63 28.5 22.9 34.3



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: 40.560 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120428.D

Acq: 29 May 2020 00:46

Instrument :

BNA_F

ClientSampleId :

NM50-COMP-2020-0-6

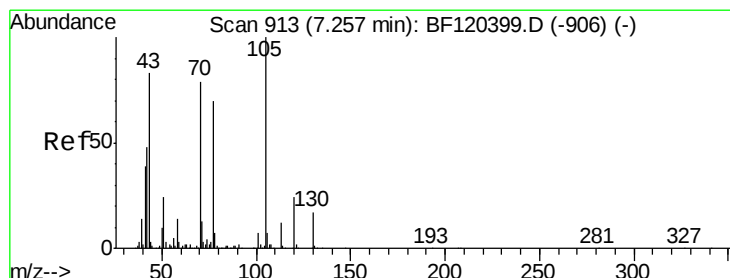
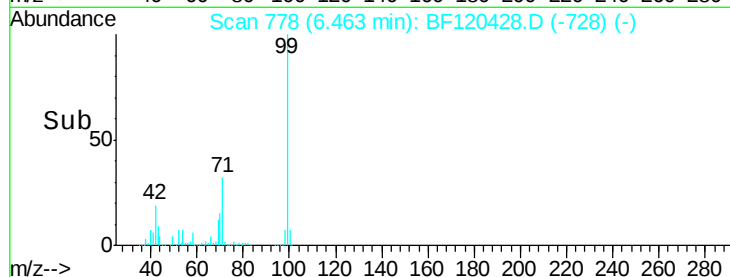
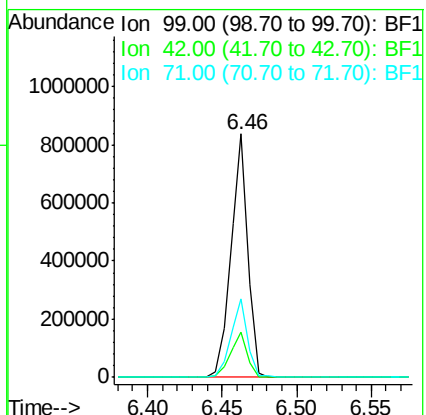
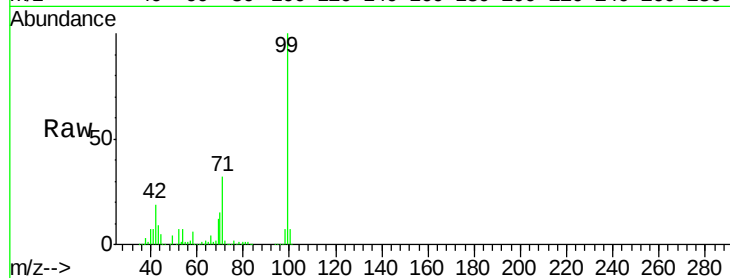
Tot Ion: 99 Resp: 671188

Ion Ratio Lower Upper

99 100

42 18.5 15.2 22.8

71 32.0 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 4.871 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120428.D

Acq: 29 May 2020 00:46

Tgt Ion: 70 Resp: 51236

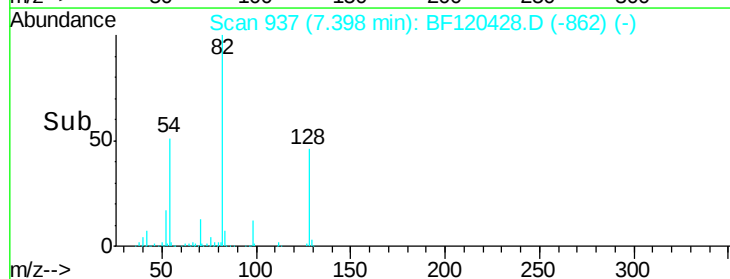
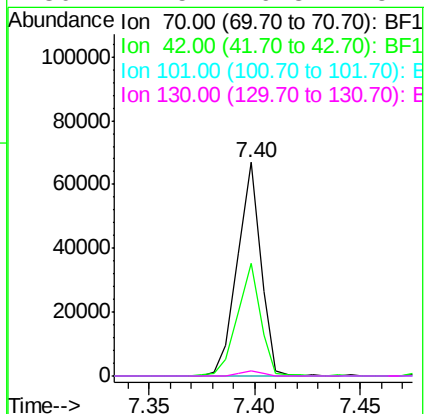
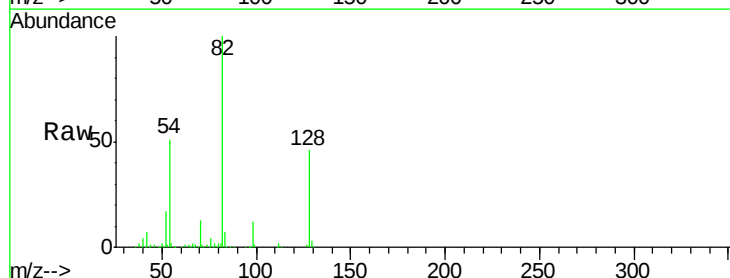
Ion Ratio Lower Upper

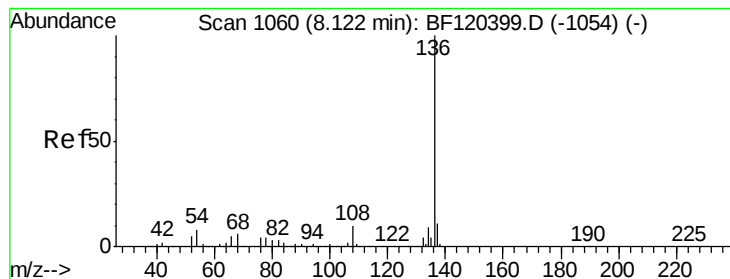
70 100

42 52.5 48.9 73.3

101 0.0 7.4 11.2#

130 2.5 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: BF120428.D

Acq: 29 May 2020 00:46

Instrument :

BNA_F

ClientSampleId :

NM50-COMP-2020-0-6

Tot Ion:136 Resp: 875389

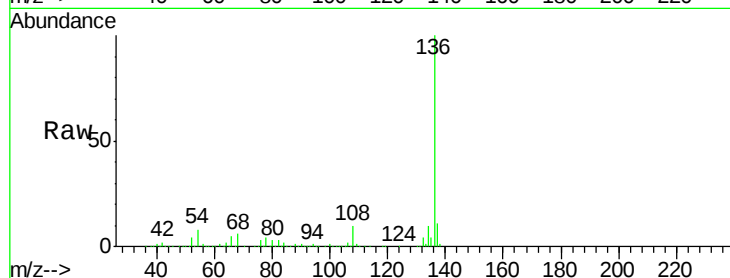
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 8.2 6.7 10.1

68 6.3 5.0 7.4

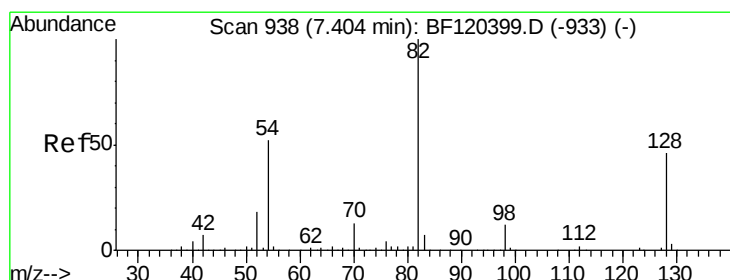
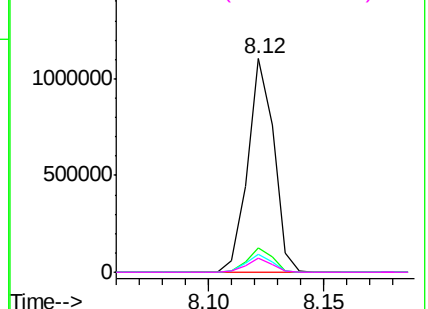
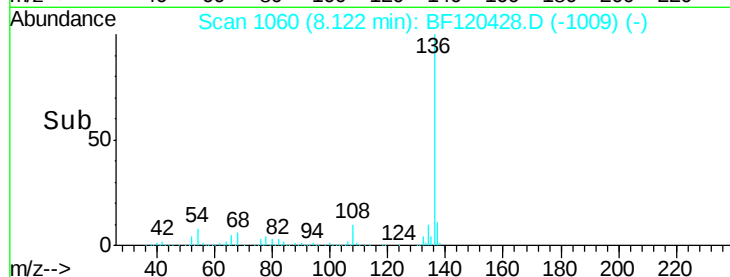


Abundance Ion 136.00 (135.70 to 136.70): E

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: 29.424 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120428.D

Acq: 29 May 2020 00:46

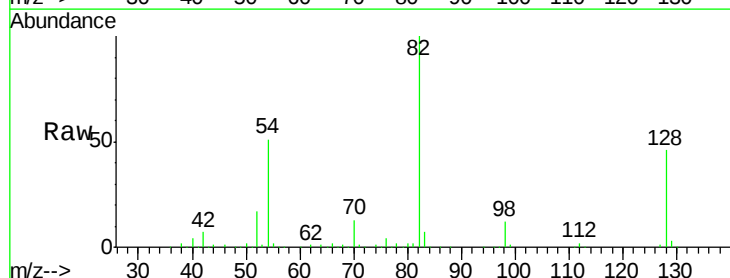
Tgt Ion: 82 Resp: 393762

Ion Ratio Lower Upper

82 100

128 46.5 36.8 55.2

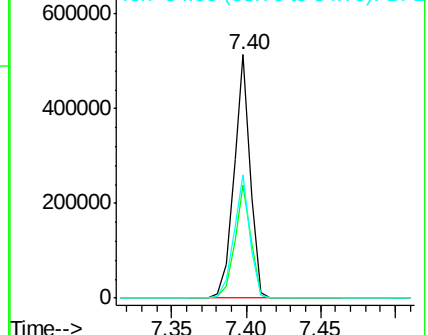
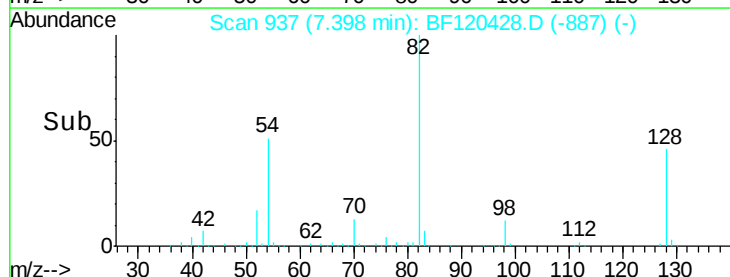
54 50.7 41.6 62.4

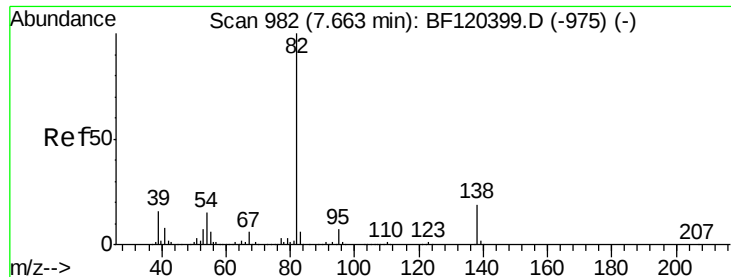


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 14.633 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120428.D

Acq: 29 May 2020 00:46

Instrument :

BNA_F

ClientSampleId :

NM50-COMP-2020-0-6

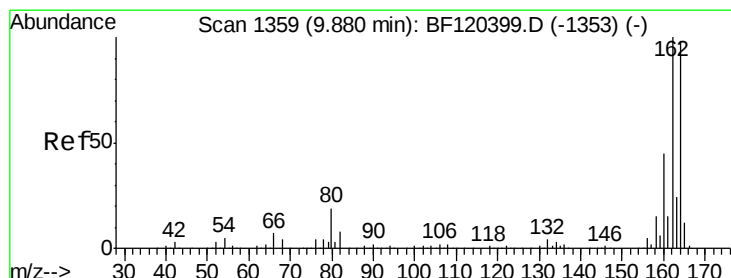
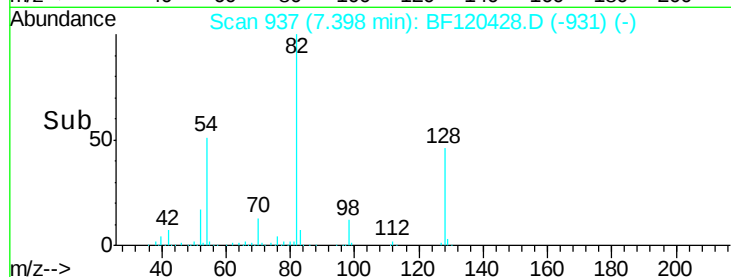
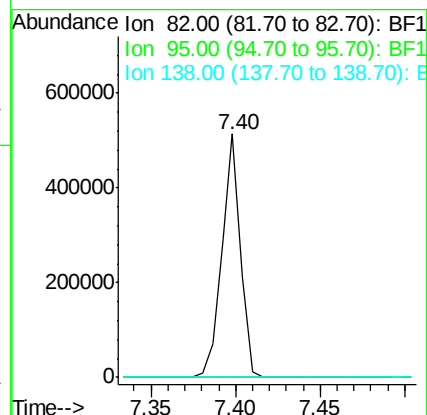
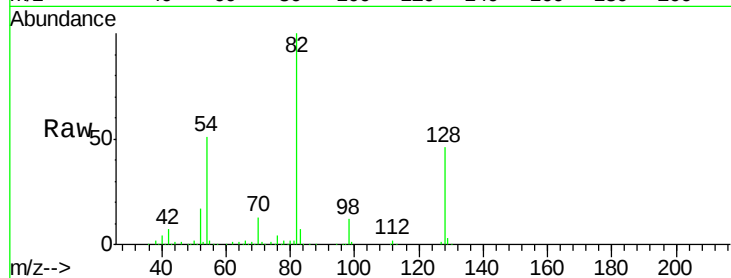
Tot Ion: 82 Resp: 393583

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 15.0 22.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1358

Delta R.T. -0.01 min

Lab File: BF120428.D

Acq: 29 May 2020 00:46

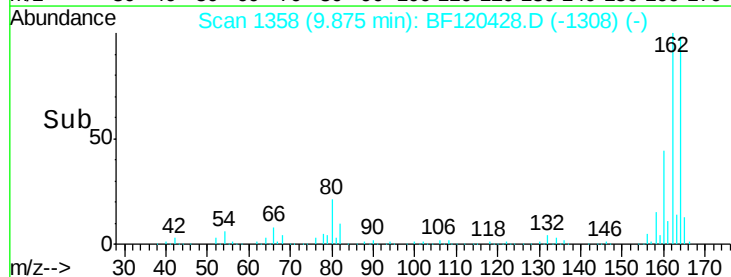
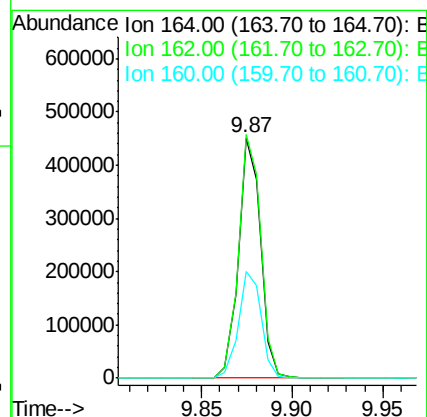
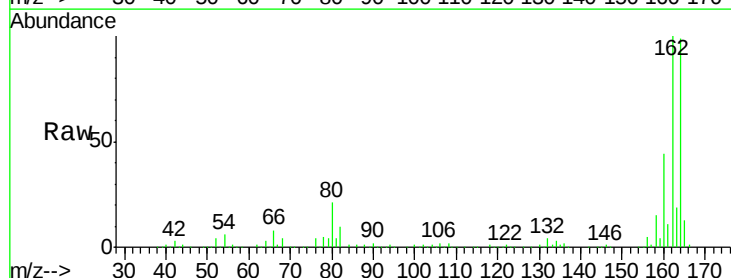
Tgt Ion:164 Resp: 383734

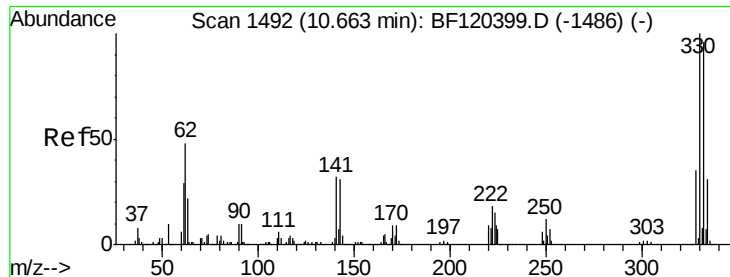
Ion Ratio Lower Upper

164 100

162 101.5 81.3 121.9

160 44.3 36.9 55.3

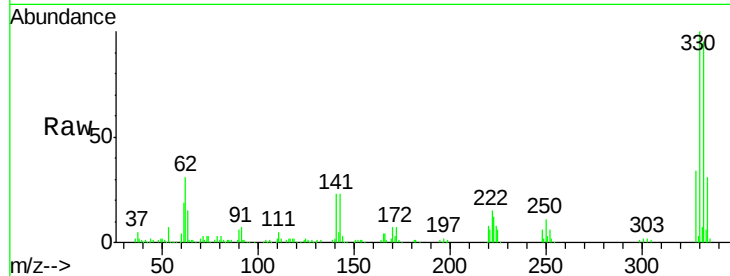




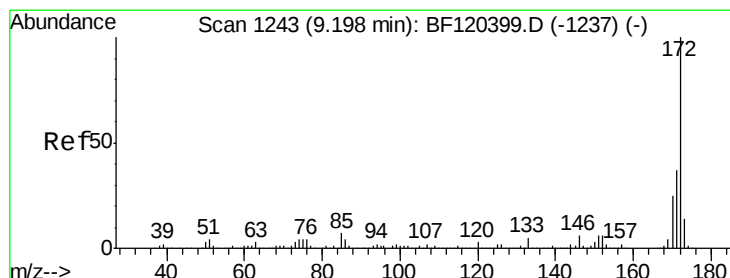
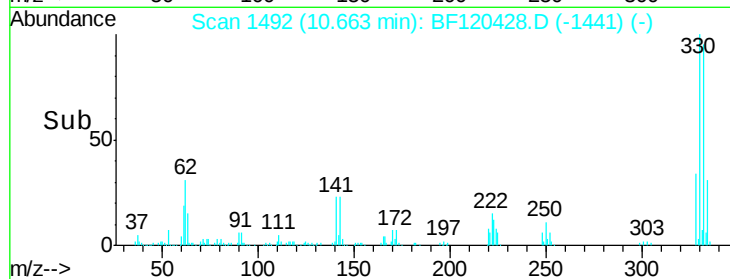
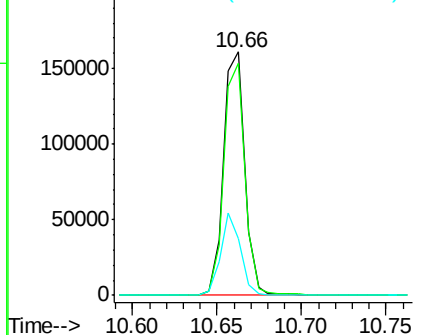
#42
 2,4,6-Tribromophenol
 Concen: 39.815 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BF120428.D
 Acq: 29 May 2020 00:46

Instrument :
 BNA_F
 ClientSampleId :
 NM50-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	77.0	115.6
141	31.5	25.3	37.9

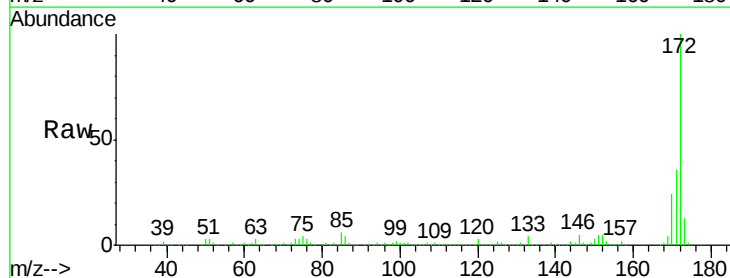


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

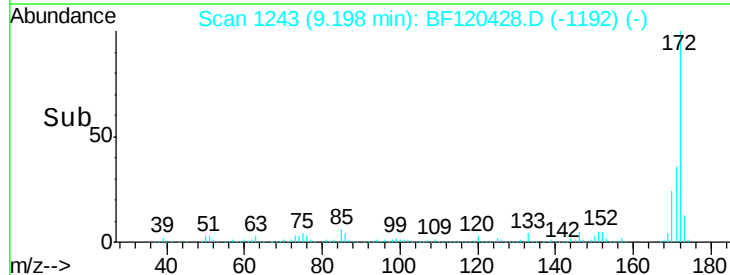
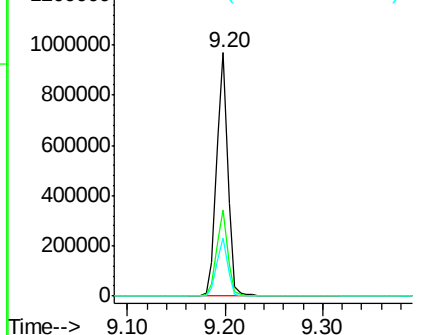


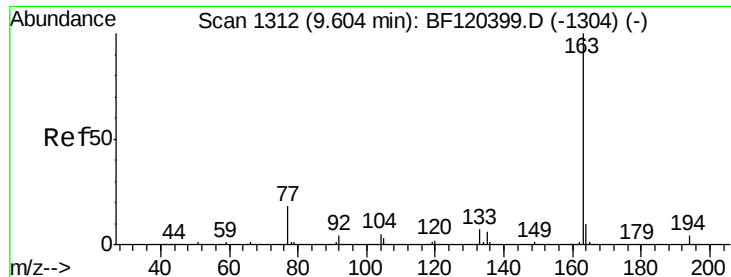
#45
 2-Fluorobiphenyl
 Concen: 34.354 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120428.D
 Acq: 29 May 2020 00:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.9	19.9	29.9



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

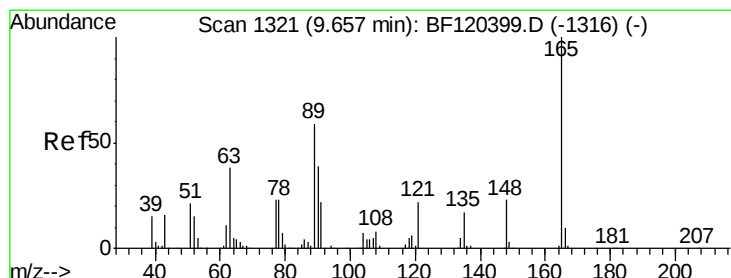
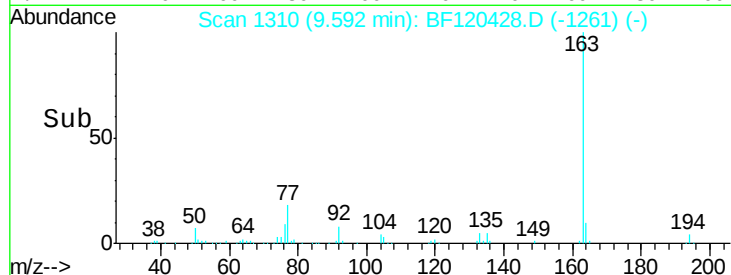
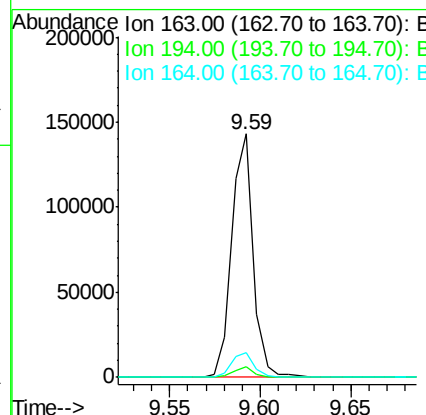
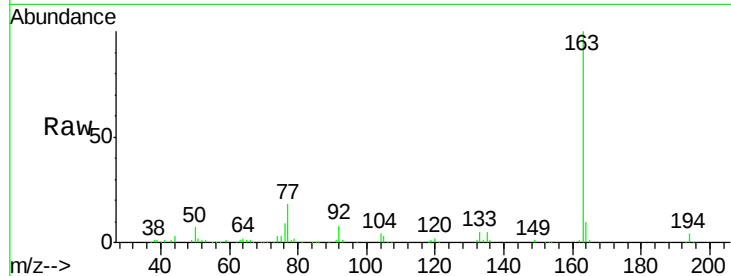




#50
Dimethylphthalate
Concen: 4.900 ng
RT: 9.59 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF120428.D
Acq: 29 May 2020 00:46

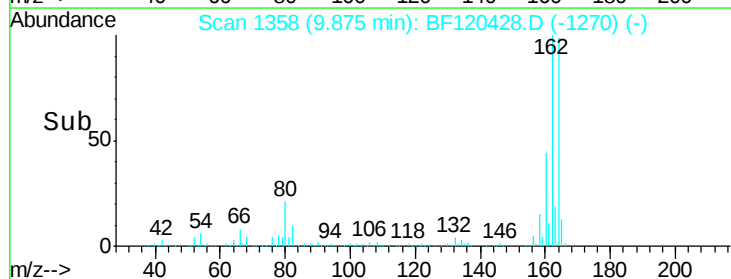
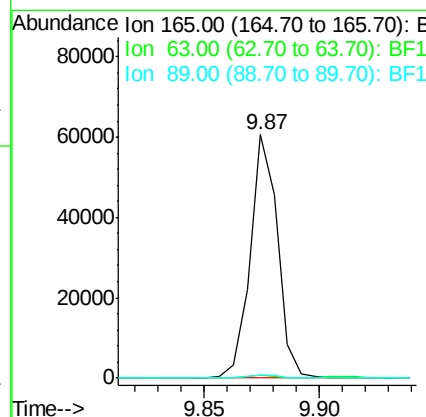
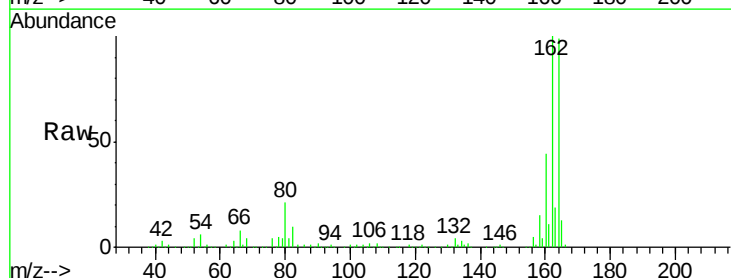
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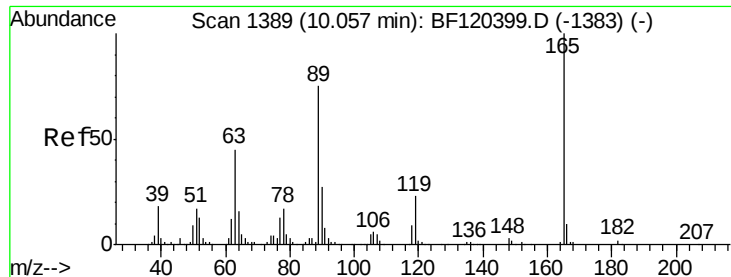
Tot Ion:163 Resp: 117541
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.0 8.3 12.5



#51
2,6-Dinitrotoluene
Concen: 9.395 ng
RT: 9.87 min Scan# 1358
Delta R.T. 0.22 min
Lab File: BF120428.D
Acq: 29 May 2020 00:46

Tgt Ion:165 Resp: 50090
Ion Ratio Lower Upper
165 100
63 1.2 46.9 70.3#
89 1.2 47.5 71.3#

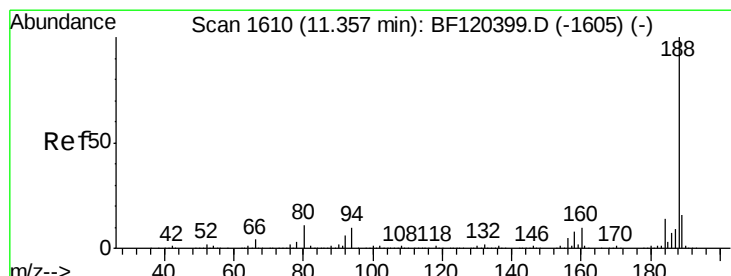
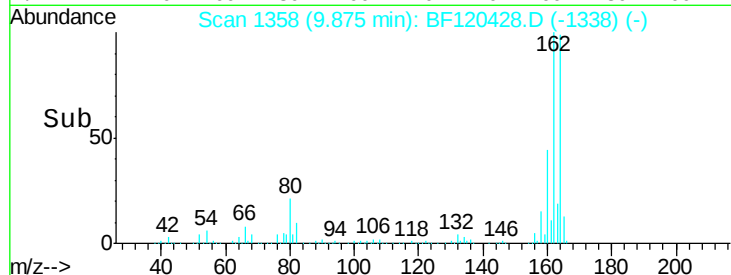
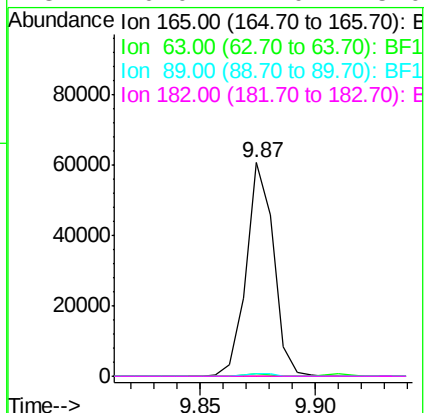
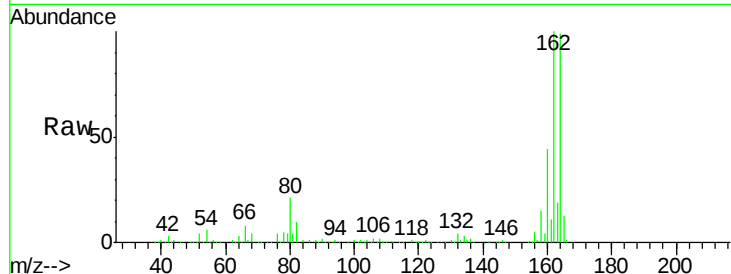




#57
 2,4-Dinitrotoluene
 Concen: 7.341 ng
 RT: 9.87 min Scan# 1358
 Delta R.T. -0.18 min
 Lab File: BF120428.D
 Acq: 29 May 2020 00:46

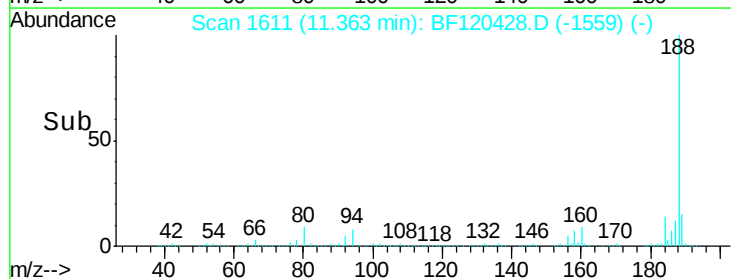
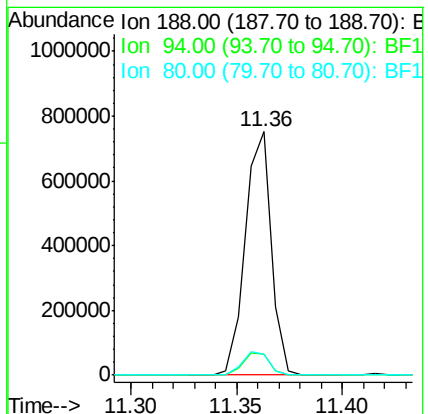
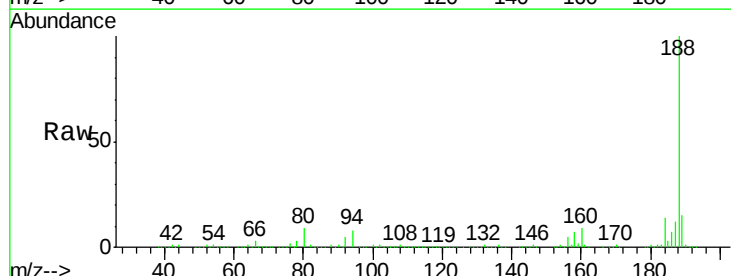
Instrument :
 BNA_F
 ClientSampleId :
 NM50-COMP-2020-0-6

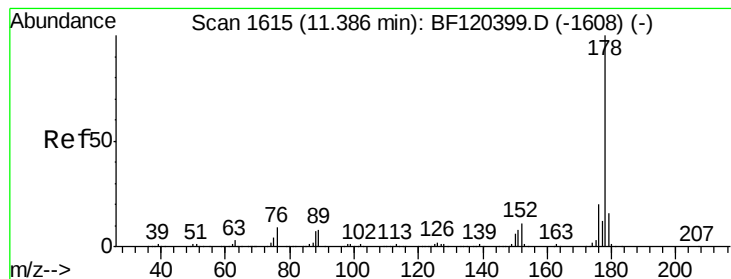
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	35.9	53.9#
89	1.2	60.0	90.0#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1611
 Delta R.T. 0.01 min
 Lab File: BF120428.D
 Acq: 29 May 2020 00:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	7.9	11.9
80	8.7	8.6	13.0





#71

Phenanthrene

Concen: 3.698 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120428.D

Acq: 29 May 2020 00:46

Instrument :

BNA_F

ClientSampleId :

NM50-COMP-2020-0-6

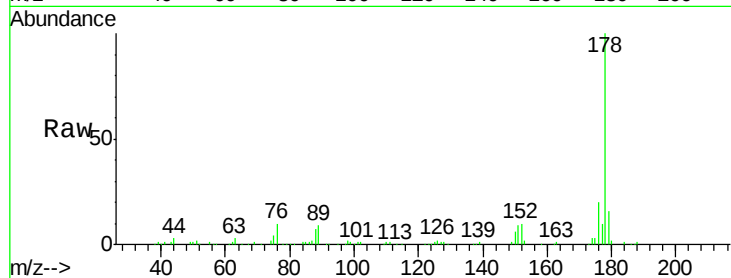
Tot Ion:178 Resp: 104588

Ion Ratio Lower Upper

178 100

176 19.6 16.4 24.6

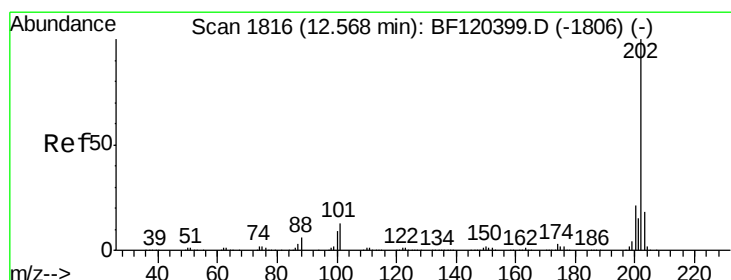
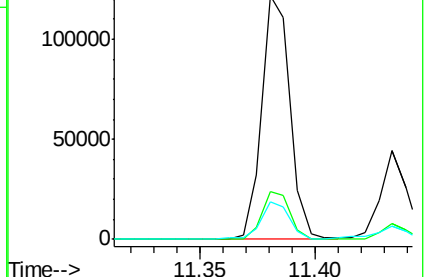
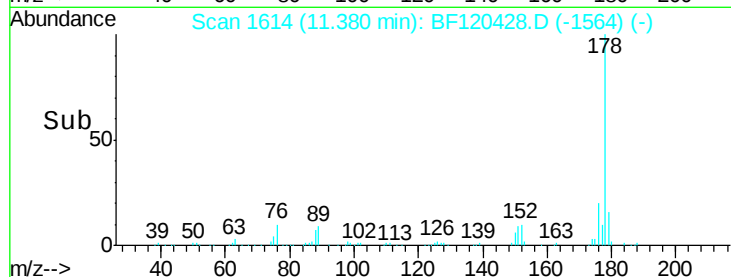
179 15.7 13.0 19.4



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: 7.825 ng

RT: 12.57 min Scan# 1816

Delta R.T. 0.00 min

Lab File: BF120428.D

Acq: 29 May 2020 00:46

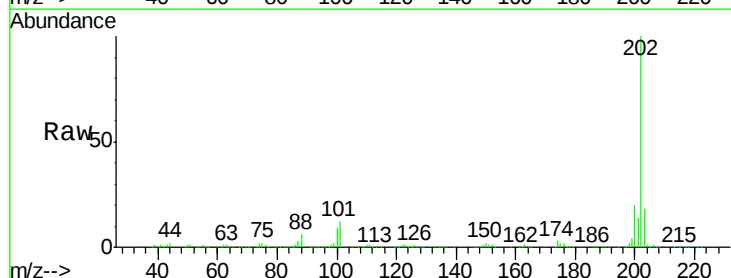
Tgt Ion:202 Resp: 238172

Ion Ratio Lower Upper

202 100

101 11.8 0.0 32.6

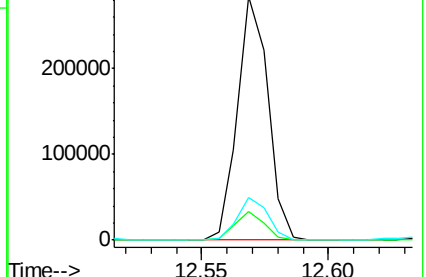
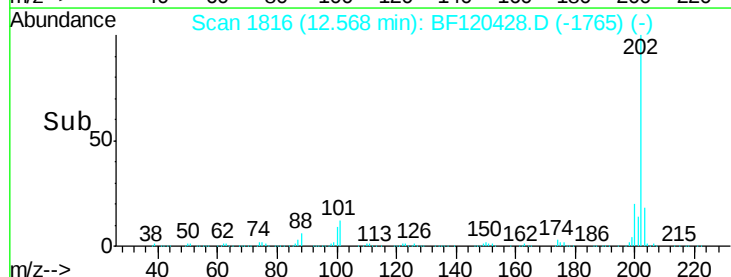
203 17.5 0.0 38.4

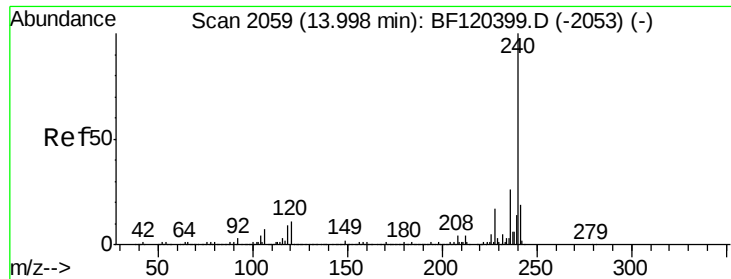


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

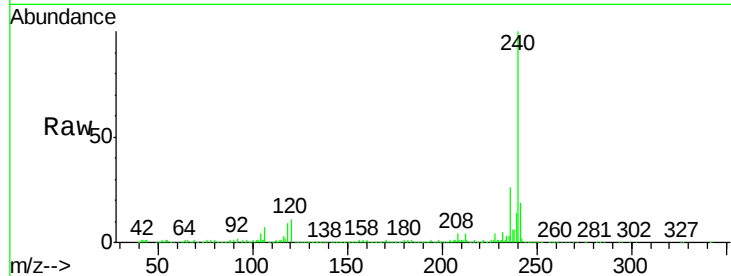




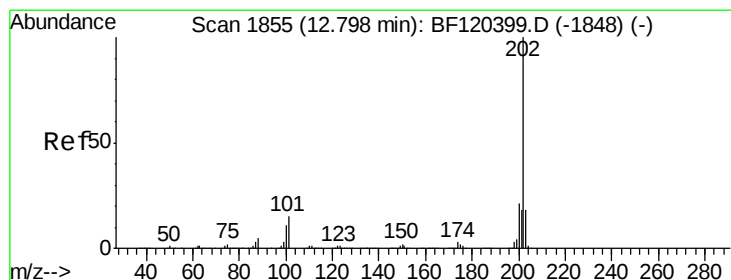
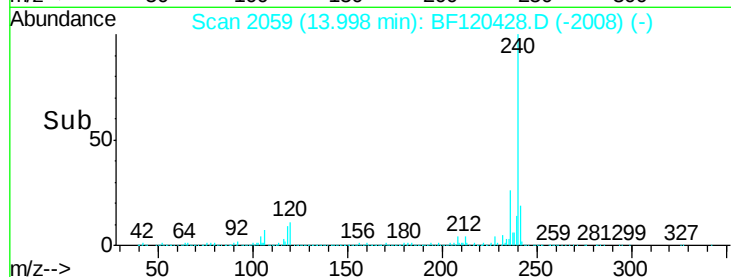
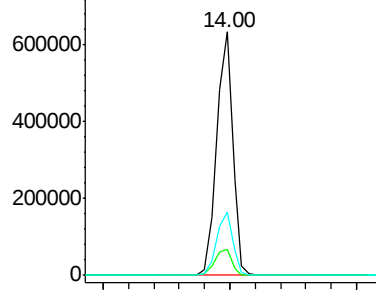
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2059
Delta R.T. 0.00 min
Lab File: BF120428.D
Acq: 29 May 2020 00:46

Instrument :
BNA_F
ClientSampleId :
NM50-COMP-2020-0-6

Tot Ion:240 Resp: 554526
Ion Ratio Lower Upper
240 100
120 10.7 8.8 13.2
236 25.7 21.0 31.4

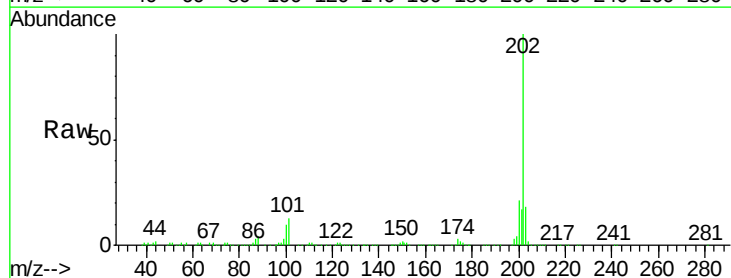


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

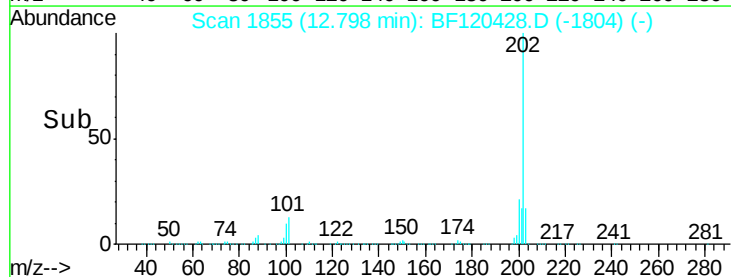
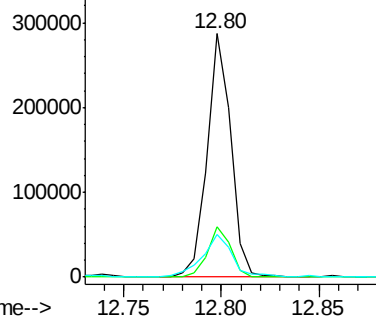


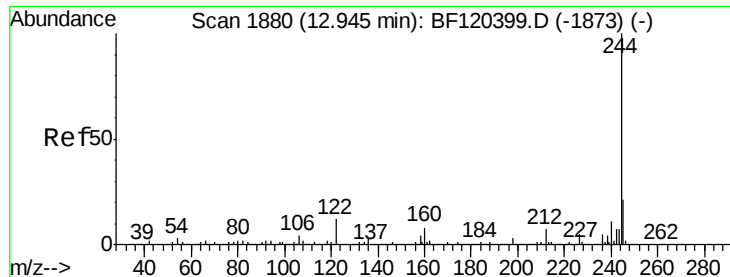
#78
Pyrene
Concen: 6.251 ng
RT: 12.80 min Scan# 1855
Delta R.T. 0.00 min
Lab File: BF120428.D
Acq: 29 May 2020 00:46

Tgt Ion:202 Resp: 241077
Ion Ratio Lower Upper
202 100
200 20.7 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: 29.471 ng

RT: 12.94 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BF120428.D

Acq: 29 May 2020 00:46

Instrument :

BNA_F

ClientSampleId :

NM50-COMP-2020-0-6

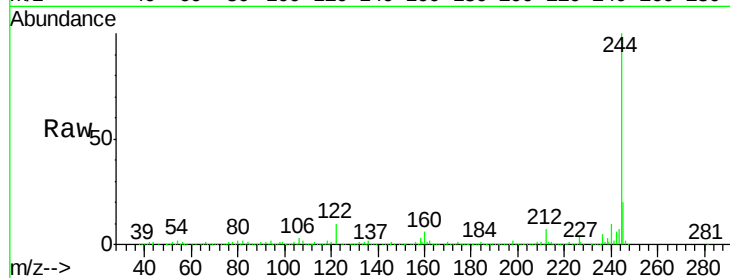
Tot Ion:244 Resp: 734418

Ion Ratio Lower Upper

244 100

212 6.5 5.9 8.9

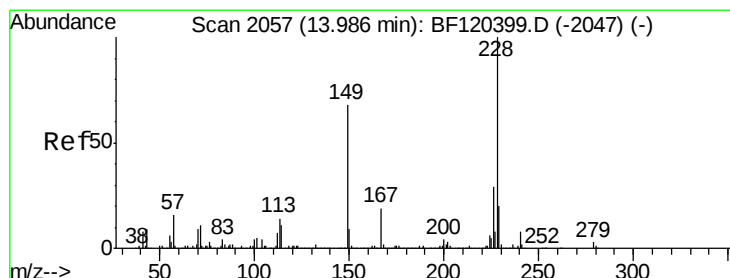
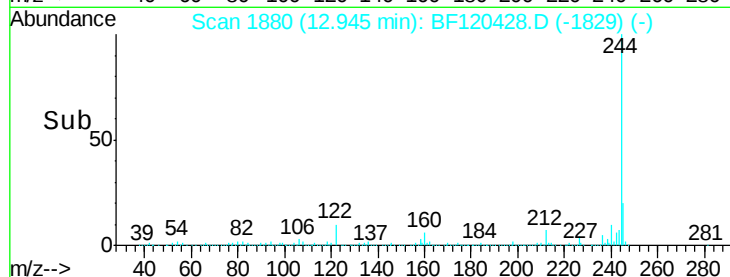
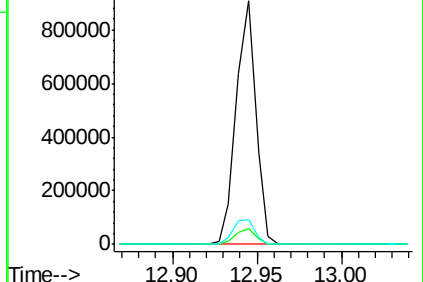
122 10.3 9.2 13.8



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: 4.915 ng

RT: 13.99 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BF120428.D

Acq: 29 May 2020 00:46

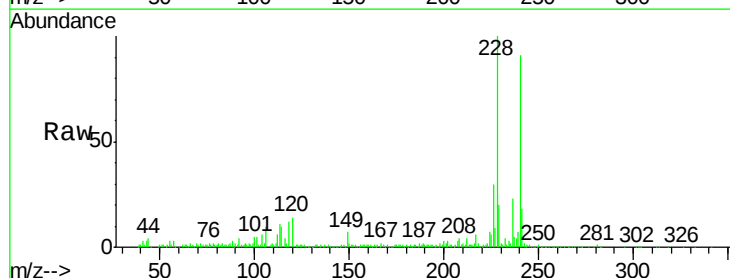
Tgt Ion:228 Resp: 146075

Ion Ratio Lower Upper

228 100

226 30.3 23.0 34.4

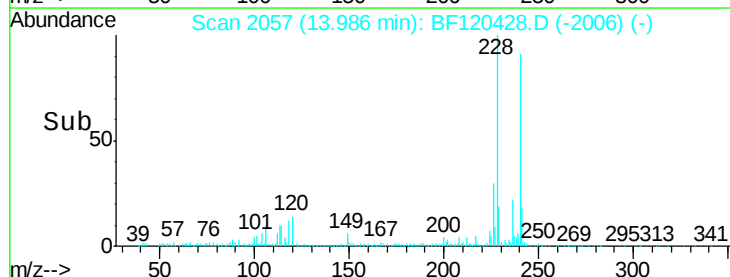
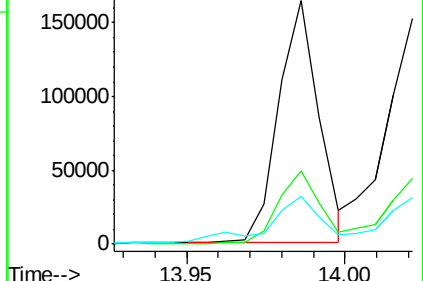
229 19.9 16.2 24.4

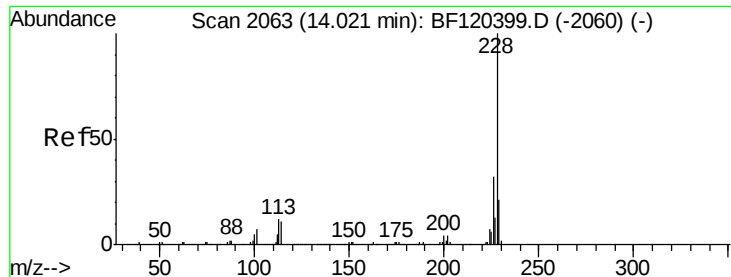


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

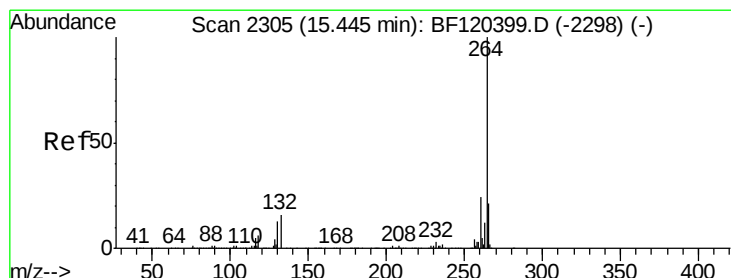
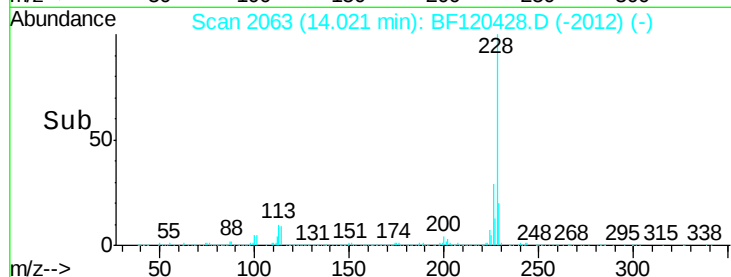
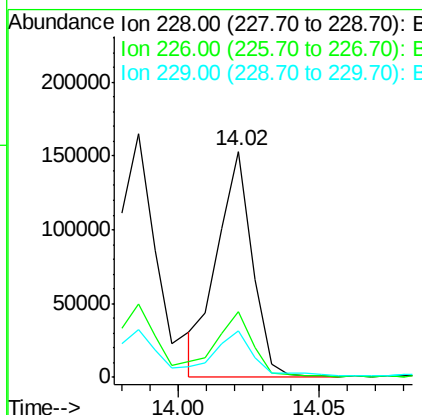
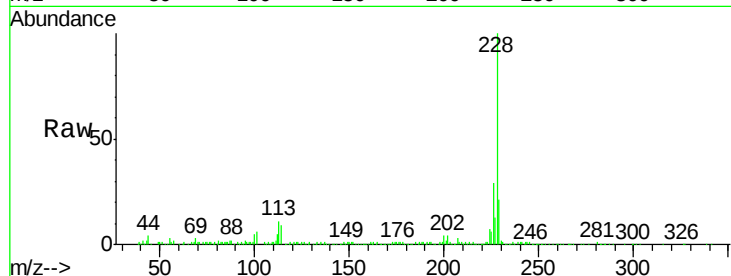




#83
Chrysene
Concen: 4.219 ng
RT: 14.02 min Scan# 2063
Delta R.T. 0.00 min
Lab File: BF120428.D
Acq: 29 May 2020 00:46

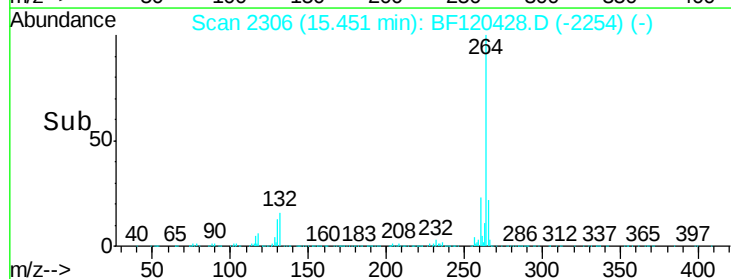
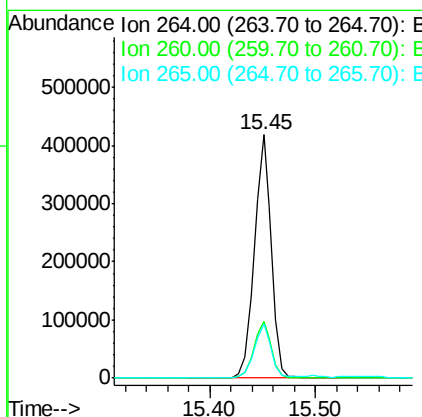
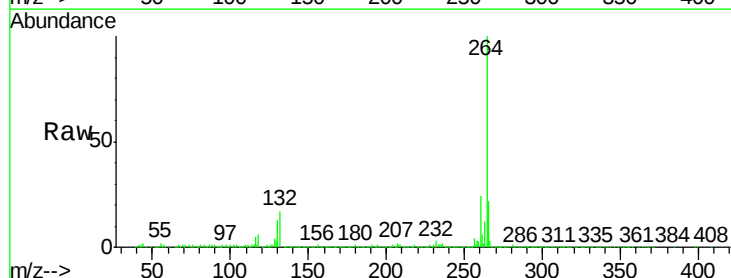
Instrument :
BNA_F
ClientSampleId :
NM50-COMP-2020-0-6

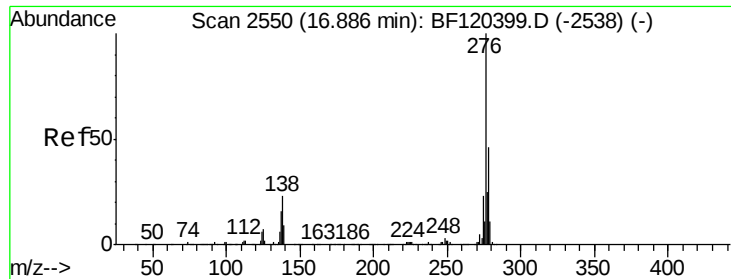
Tot	Ion:228	Resp:	131452
Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.6	38.4
229	20.5	16.6	25.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. 0.01 min
Lab File: BF120428.D
Acq: 29 May 2020 00:46

Tgt	Ion:264	Resp:	468883
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.0	16.9	25.3

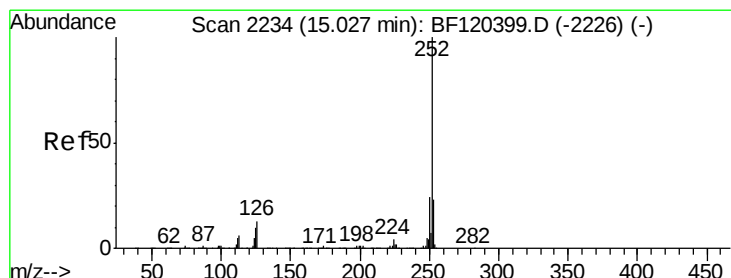
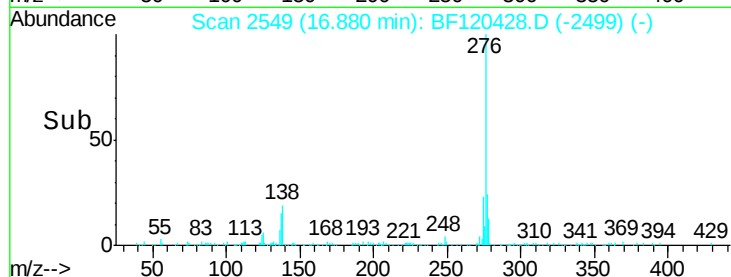
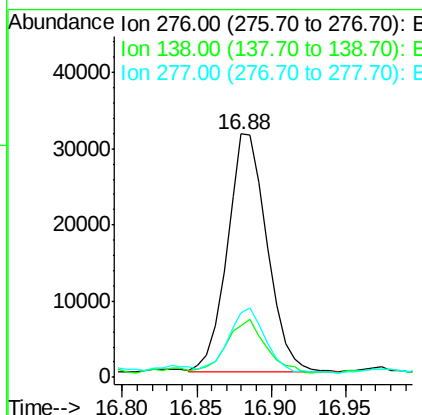
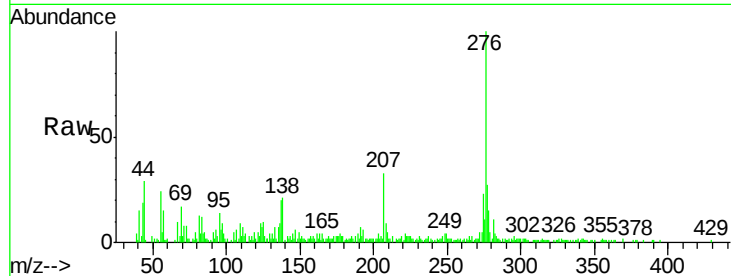




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.275 ng
 RT: 16.88 min Scan# 2549
 Delta R.T. -0.01 min
 Lab File: BF120428.D
 Acq: 29 May 2020 00:46

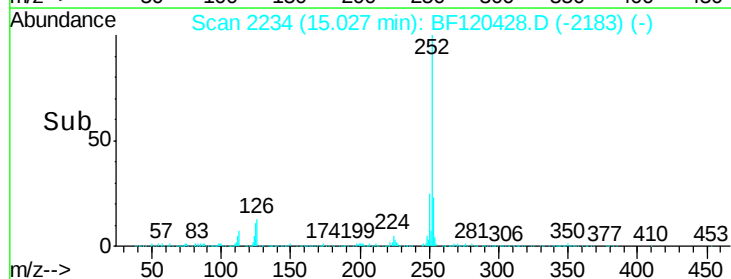
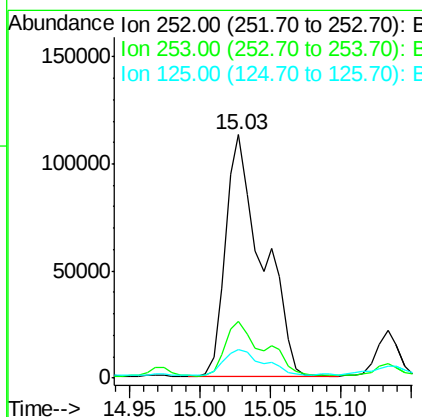
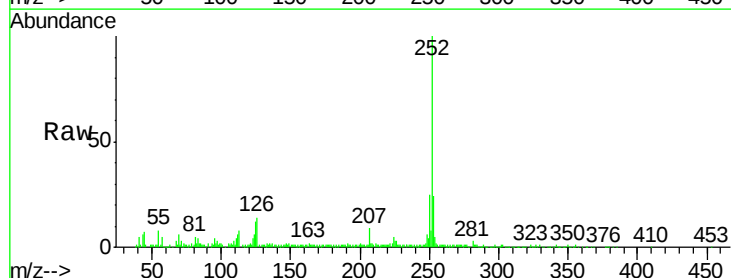
Instrument :
 BNA_F
 ClientSampleId :
 NM50-COMP-2020-0-6

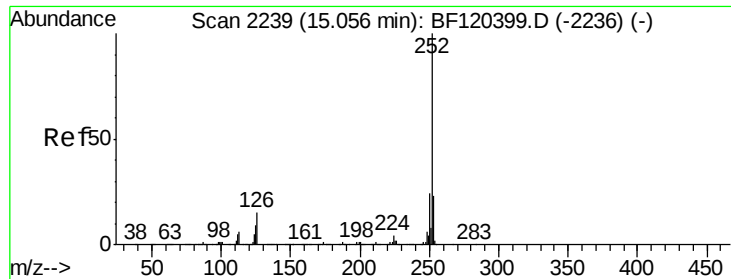
Tot Ion:276 Resp: 58344
 Ion Ratio Lower Upper
 276 100
 138 21.8 20.4 30.6
 277 24.8 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 7.907 ng
 RT: 15.03 min Scan# 2234
 Delta R.T. 0.00 min
 Lab File: BF120428.D
 Acq: 29 May 2020 00:46

Tgt Ion:252 Resp: 205932
 Ion Ratio Lower Upper
 252 100
 253 23.6 18.1 27.1
 125 11.6 7.8 11.8

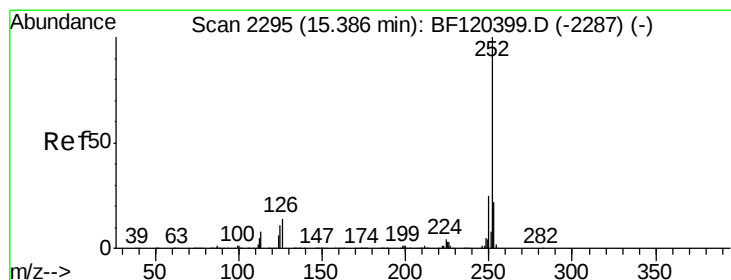
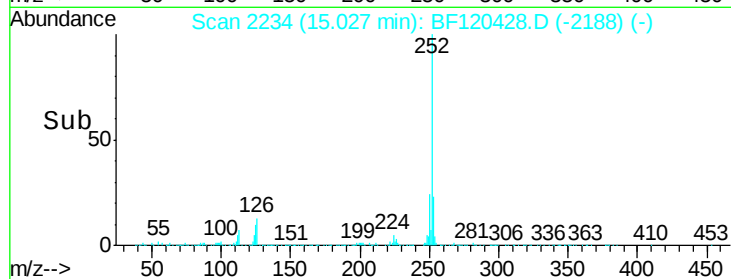
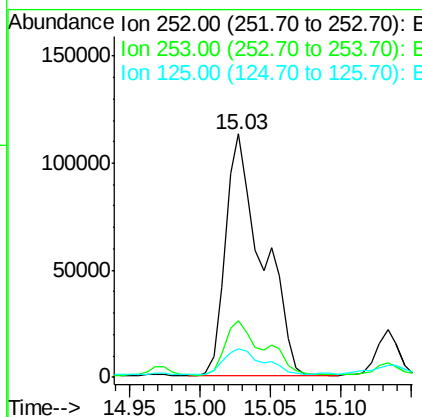
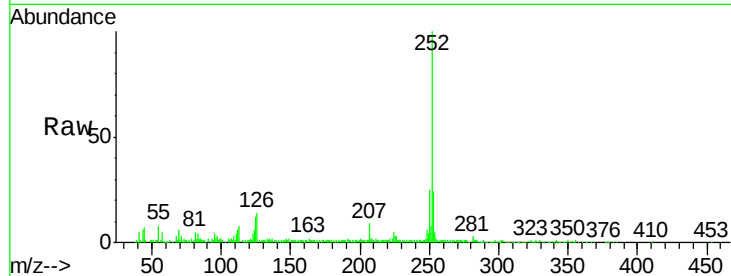




#89
Benzo(k)fluoranthene
Concen: 8.470 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.03 min
Lab File: BF120428.D
Acq: 29 May 2020 00:46

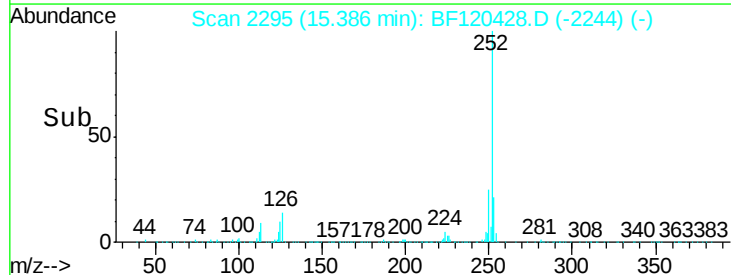
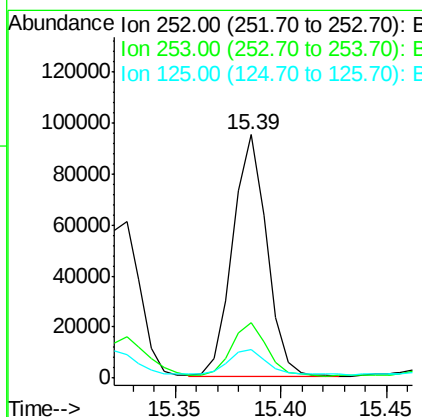
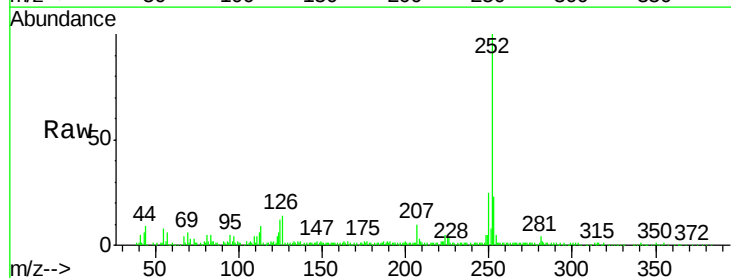
Instrument :
BNA_F
ClientSampleId :
NM50-COMP-2020-0-6

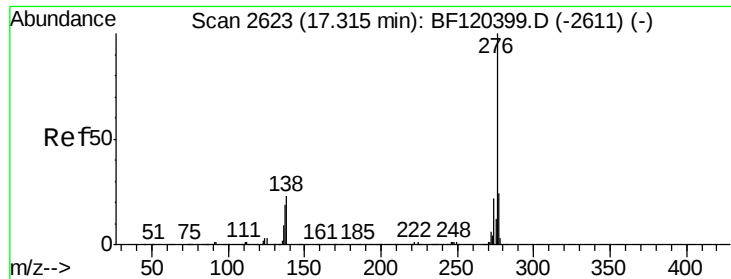
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.5	27.7
125	11.6	8.0	12.0



#90
Benzo(a)pyrene
Concen: 4.644 ng
RT: 15.39 min Scan# 2295
Delta R.T. 0.00 min
Lab File: BF120428.D
Acq: 29 May 2020 00:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.0
125	11.7	8.7	13.1

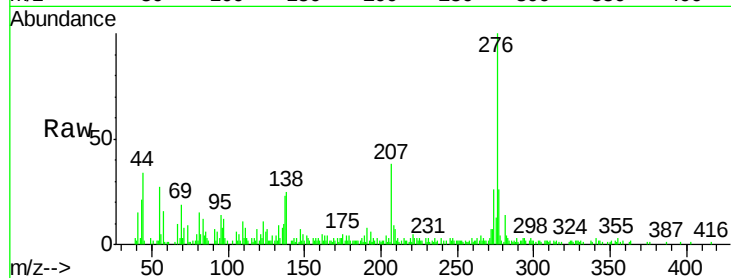




#92
 Benzo(a,h,i)perylene
 Concen: 2.668 ng
 RT: 17.32 min Scan# 2624
 Delta R.T. 0.01 min
 Lab File: BF120428.D
 Acq: 29 May 2020 00:46

Instrument :
 BNA_F
 ClientSampleId :
 NM50-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.5	29.3
138	24.8	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

