

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
 Data File : BF120429.D
 Acq On : 29 May 2020 1:14
 Operator : MA/SJ
 Sample : L2744-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM44-COMP-2020-0-6

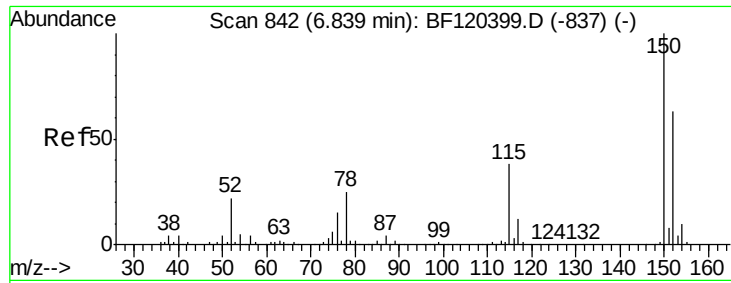
Quant Time: May 29 03:33:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 13:47:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	269922	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	918103	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	395911	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	625900	20.00	ng	0.00
76) Chrysene-d12	14.00	240	514395	20.00	ng	0.00
86) Perylene-d12	15.45	264	426089	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1344491	94.93	ng	0.00
7) Phenol-d6	6.47	99	1648055	94.40	ng	0.00
23) Nitrobenzene-d5	7.40	82	1001208	71.33	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	336568	91.75	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1755216	75.22	ng	0.00
79) Terphenyl-d14	12.94	244	1537694	66.52	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	133220	12.005	ng	# 79
25) Isophorone	7.40	82	998946	35.412	ng	# 64
50) Dimethylphthalate	9.59	163	399857	16.155	ng	99
57) 2,4-Dinitrotoluene	9.87	165	50949	7.237	ng	# 23
67) 4-Bromophenyl-phenylether	10.66	248	20205	3.198	ng	# 1
71) Phenanthrene	11.39	178	211846	7.681	ng	97
72) Anthracene	11.43	178	62008	2.241	ng	98
75) Fluoranthene	12.57	202	541777	18.257	ng	96
78) Pyrene	12.80	202	633730	17.715	ng	98
81) Benzo(a)anthracene	13.99	228	358361	12.999	ng	99
83) Chrysene	14.02	228	316036	10.935	ng	97
87) Indeno(1,2,3-cd)pyrene	16.89	276	141981	6.092	ng	96
88) Benzo(b)fluoranthene	15.03	252	463590	19.589	ng	99
89) Benzo(k)fluoranthene	15.03	252	463590	20.983	ng	98
90) Benzo(a)pyrene	15.39	252	260549	12.586	ng	99
92) Benzo(g,h,i)perylene	17.33	276	143787	7.673	ng	99

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

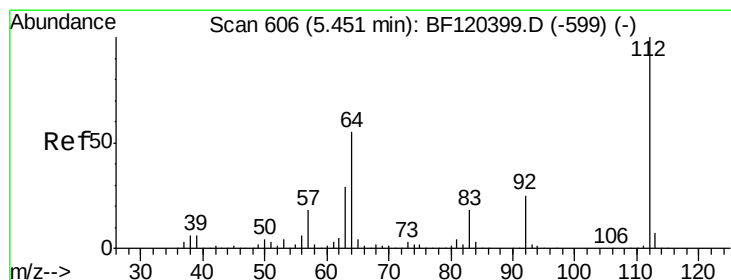
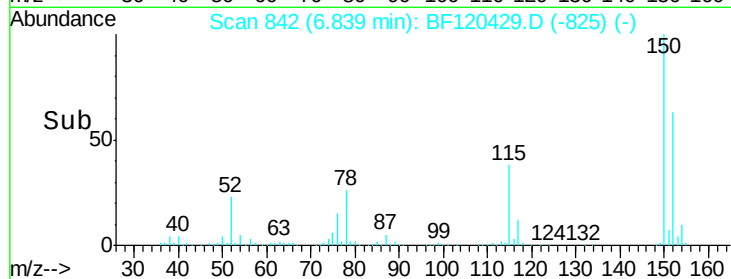
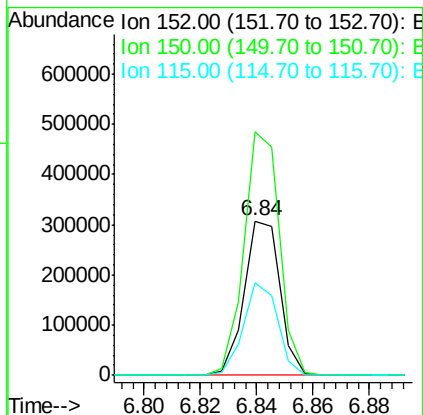
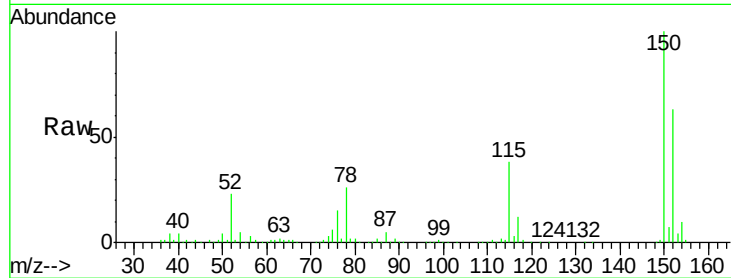


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 842
 Delta R.T. 0.00 min
 Lab File: BF120429.D
 Acq: 29 May 2020 1:14

Instrument :
 BNA_F
 ClientSampleId :
 NM44-COMP-2020-0-6

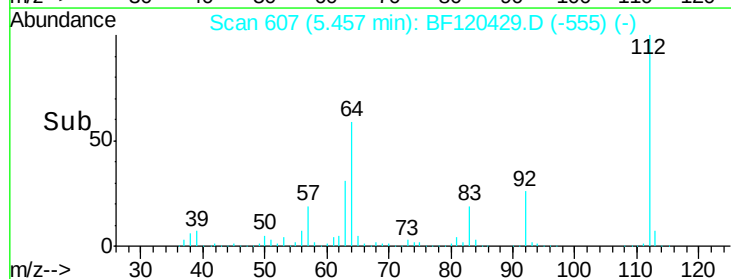
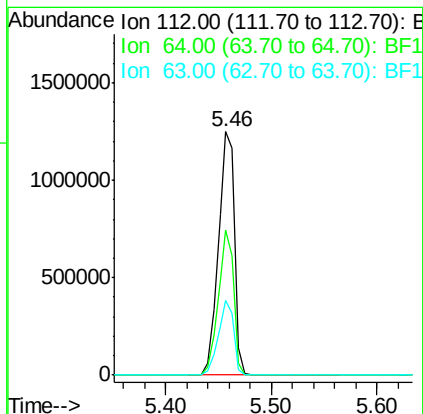
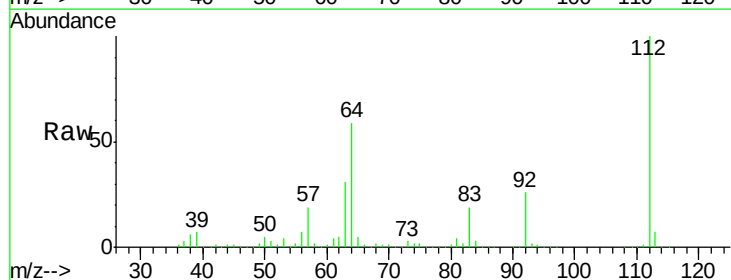
Tot Ion:152 Resp: 269922
 Ion Ratio Lower Upper
 152 100
 150 157.5 126.5 189.7
 115 60.3 47.6 71.4

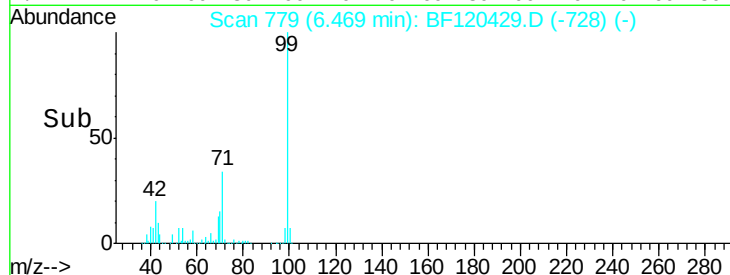
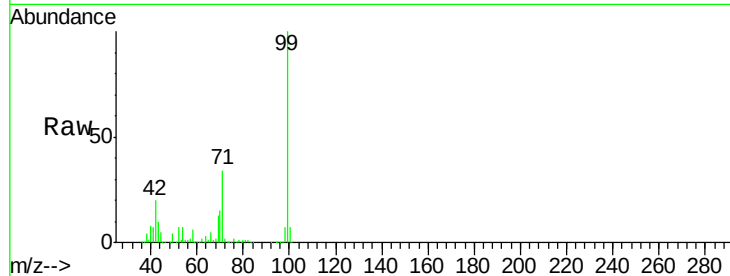
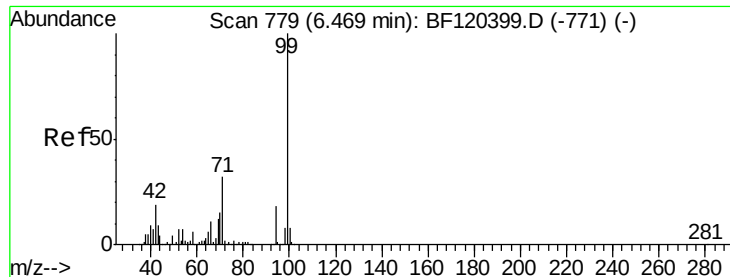


#5

2-Fluorophenol
 Concen: 94.926 ng
 RT: 5.46 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: BF120429.D
 Acq: 29 May 2020 1:14

Tgt Ion:112 Resp: 1344491
 Ion Ratio Lower Upper
 112 100
 64 59.5 44.3 66.5
 63 30.8 22.9 34.3





#7

Phenol-d6

Concen: 94.403 ng

RT: 6.47 min Scan# 779

Delta R.T. 0.00 min

Lab File: BF120429.D

Acq: 29 May 2020 1:14

Instrument :

BNA_F

ClientSampleId :

NM44-COMP-2020-0-6

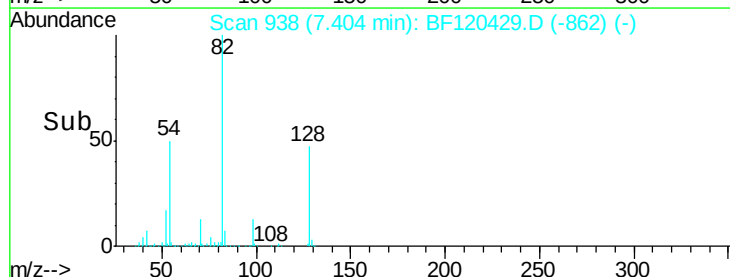
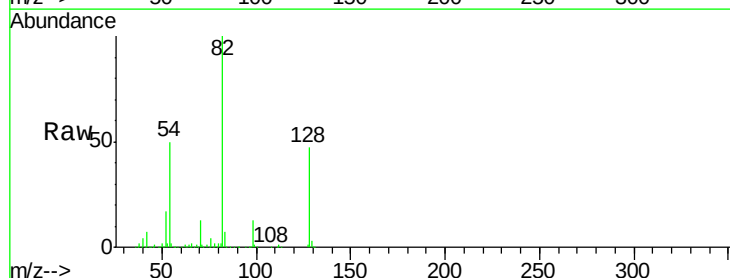
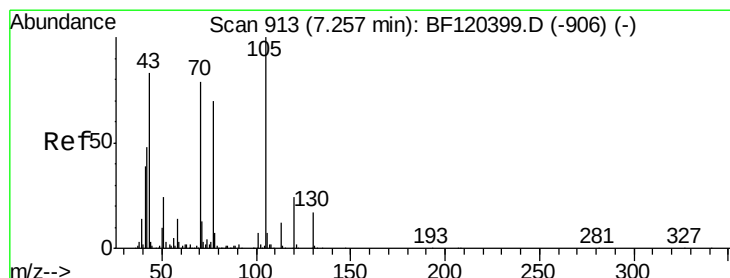
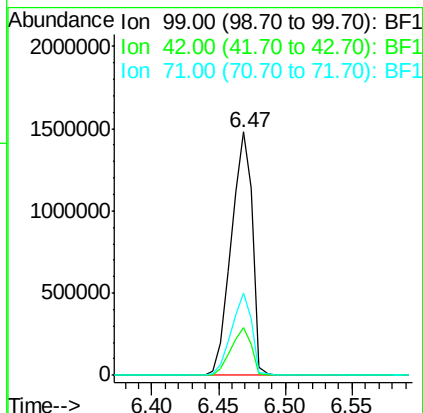
Tot Ion: 99 Resp: 1648055

Ion Ratio Lower Upper

99 100

42 19.6 15.2 22.8

71 33.8 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 12.005 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.15 min

Lab File: BF120429.D

Acq: 29 May 2020 1:14

Tgt Ion: 70 Resp: 133220

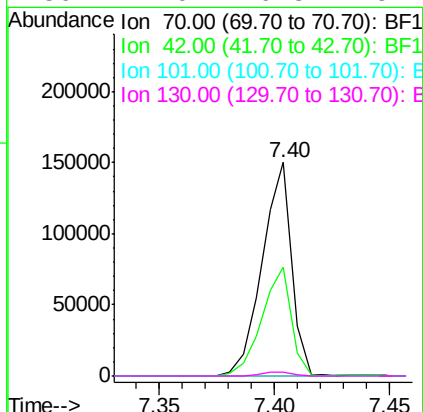
Ion Ratio Lower Upper

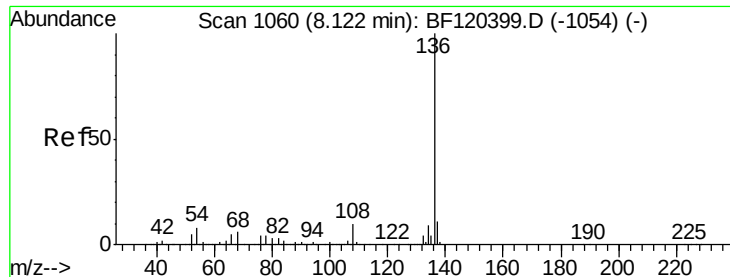
70 100

42 50.7 48.9 73.3

101 0.0 7.4 11.2#

130 2.0 16.8 25.2#

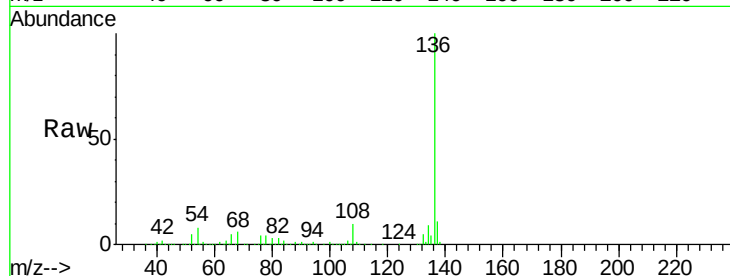




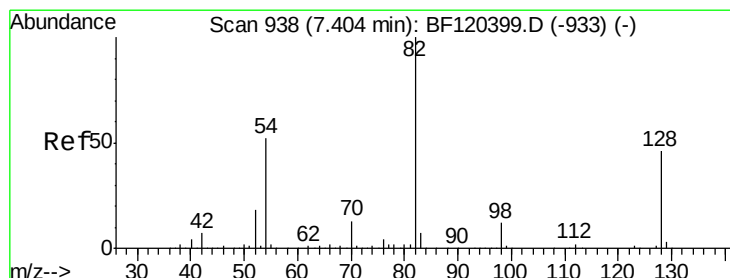
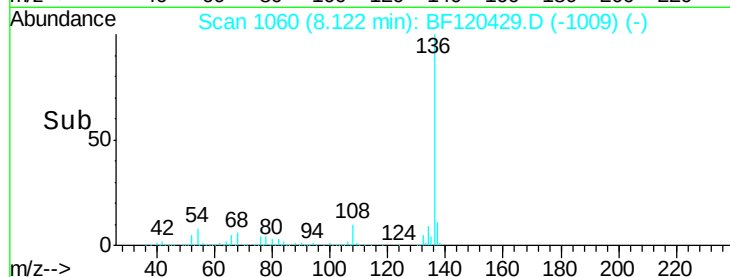
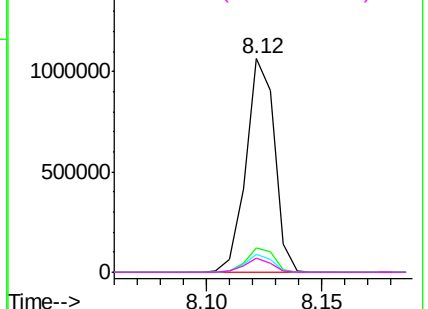
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1060
Delta R.T. 0.00 min
Lab File: BF120429.D
Acq: 29 May 2020 1:14

Instrument :
BNA_F
ClientSampleId :
NM44-COMP-2020-0-6

Tot Ion:136	Resp:	918103
Ion Ratio	Lower	Upper
136 100		
137 11.3	9.1	13.7
54 8.3	6.7	10.1
68 6.4	5.0	7.4

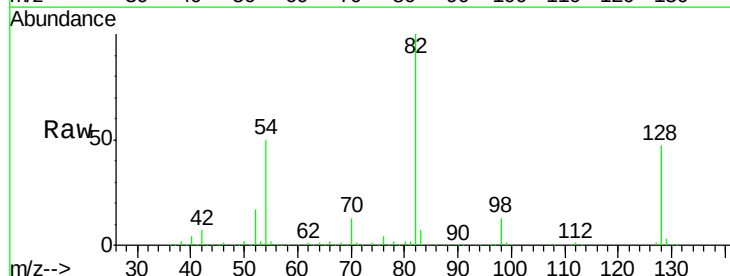


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

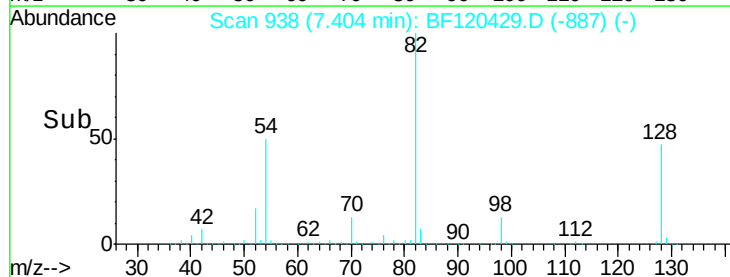
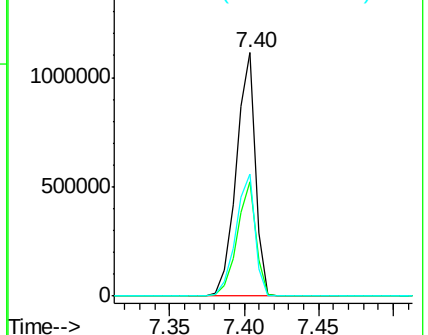


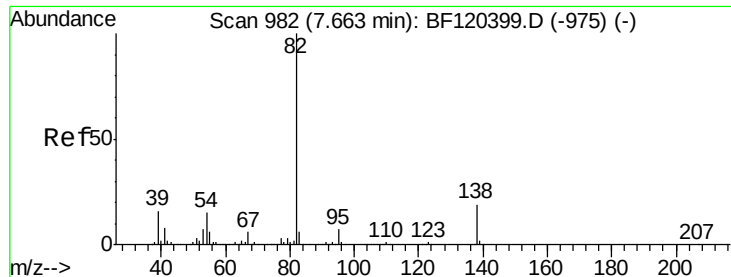
#23
Nitrobenzene-d5
Concen: 71.334 ng
RT: 7.40 min Scan# 938
Delta R.T. 0.00 min
Lab File: BF120429.D
Acq: 29 May 2020 1:14

Tgt Ion: 82	Resp: 1001208
Ion Ratio	Lower Upper
82 100	
128 47.1	36.8 55.2
54 50.4	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: 35.412 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.26 min

Lab File: BF120429.D

Acq: 29 May 2020 1:14

Instrument :

BNA_F

ClientSampleId :

NM44-COMP-2020-0-6

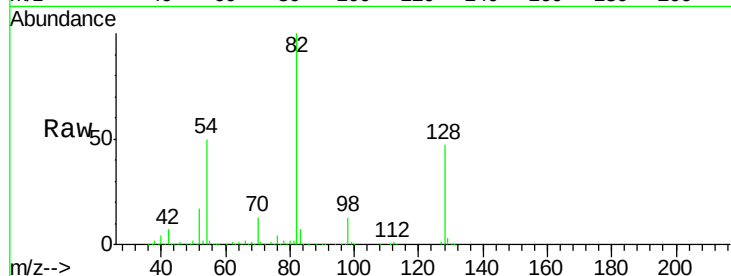
Tot Ion: 82 Resp: 998946

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

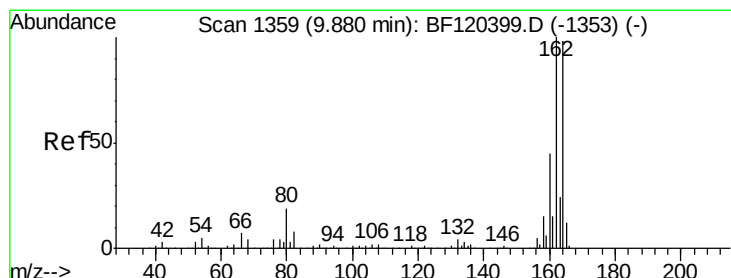
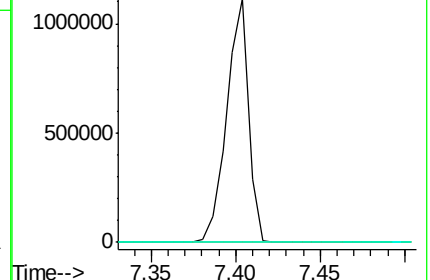
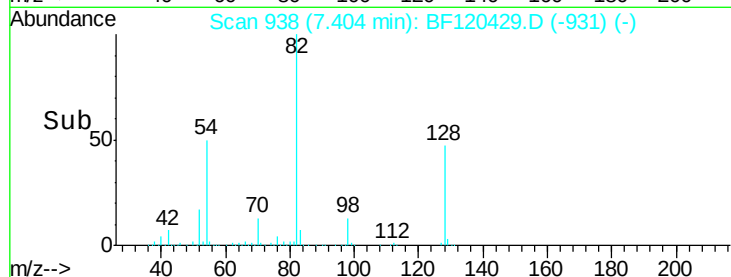
138 0.0 15.0 22.4#



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: BF120429.D

Acq: 29 May 2020 1:14

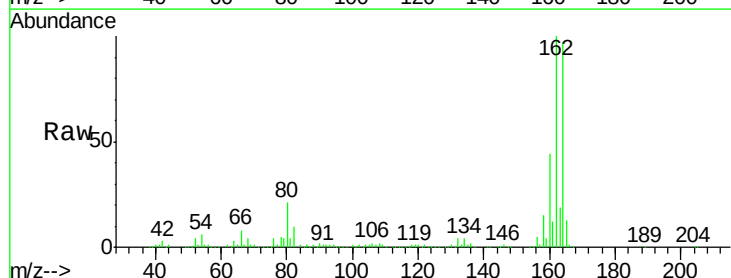
Tgt Ion: 164 Resp: 395911

Ion Ratio Lower Upper

164 100

162 103.4 81.3 121.9

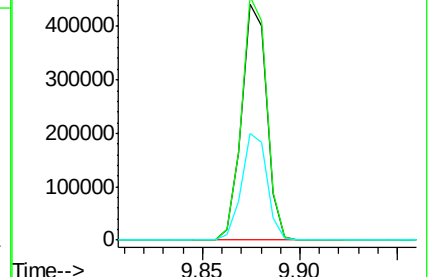
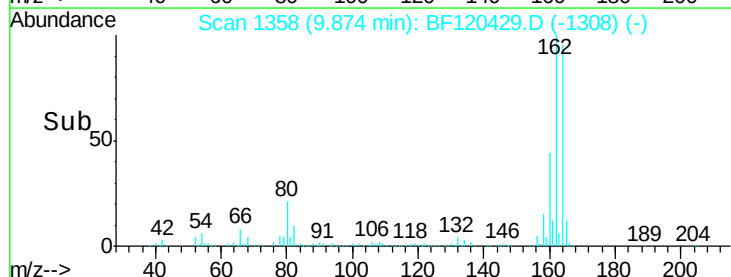
160 45.3 36.9 55.3

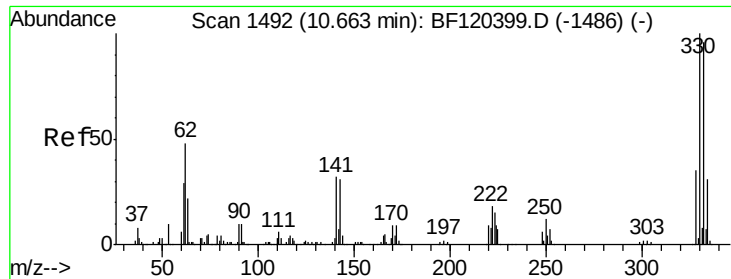


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

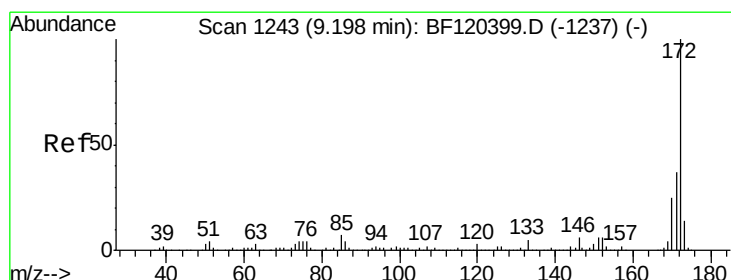
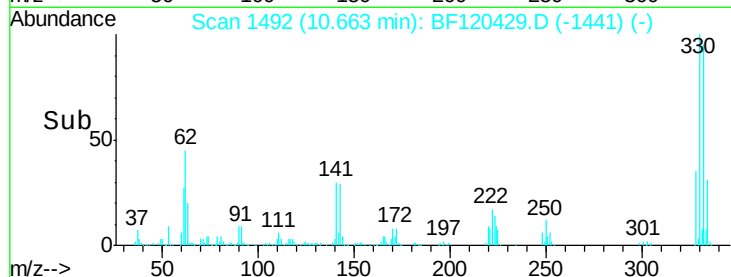
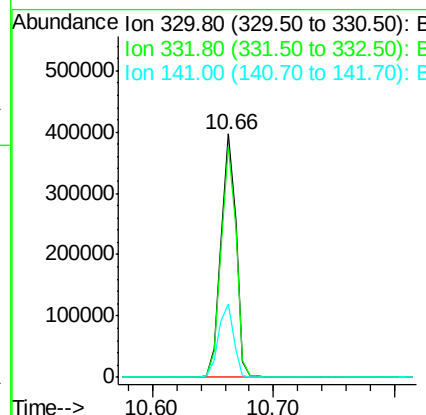
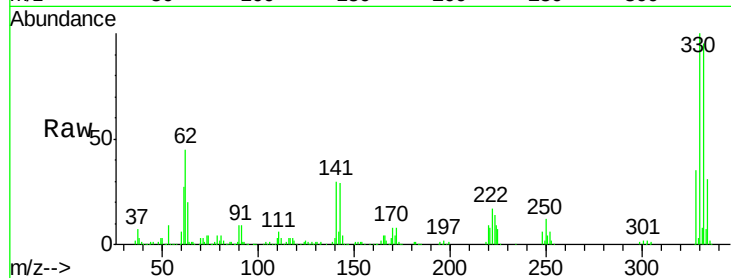




#42
 2,4,6-Tribromophenol
 Concen: 91.751 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BF120429.D
 Acq: 29 May 2020 1:14

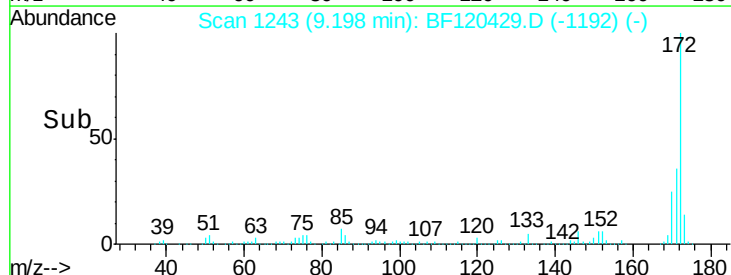
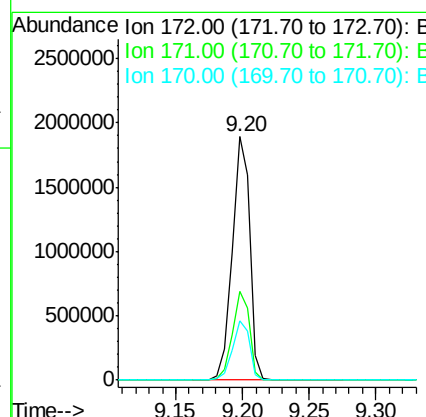
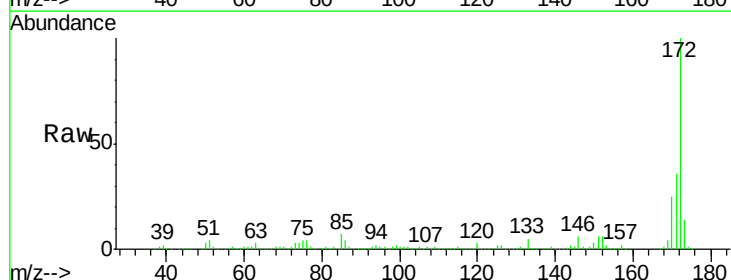
Instrument :
 BNA_F
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 NM44-COMP-2020-0-6

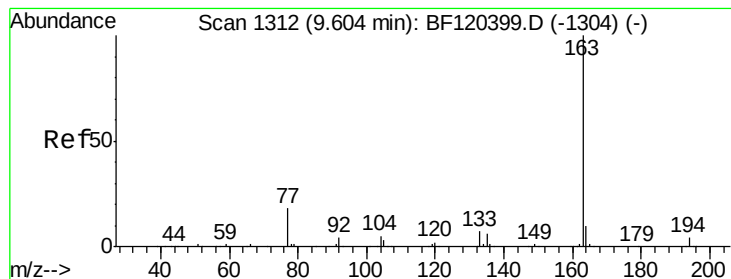
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.0	115.6
141	30.9	25.3	37.9



#45
 2-Fluorobiphenyl
 Concen: 75.221 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120429.D
 Acq: 29 May 2020 1:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.5	19.9	29.9





#50

Dimethylphthalate

Concen: 16.155 ng

RT: 9.59 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF120429.D

Acq: 29 May 2020 1:14

Instrument :

BNA_F

ClientSampleId :

NM44-COMP-2020-0-6

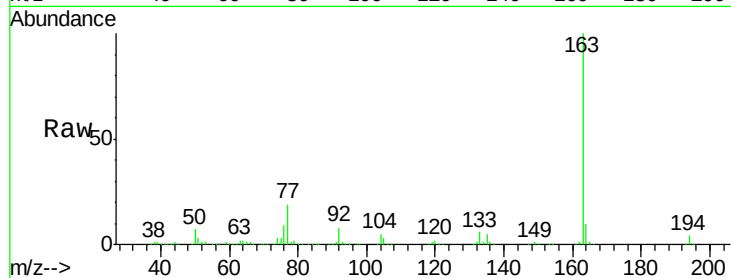
Tot Ion:163 Resp: 399857

Ion Ratio Lower Upper

163 100

194 3.8 3.3 4.9

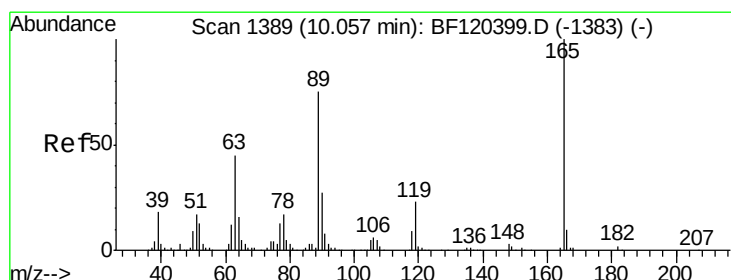
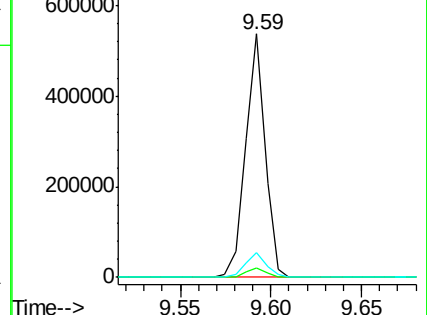
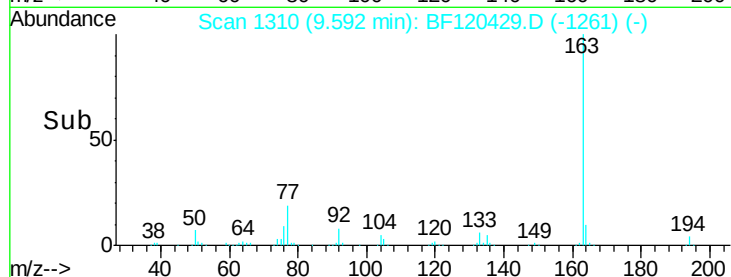
164 10.0 8.3 12.5



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: 7.237 ng

RT: 9.87 min Scan# 1358

Delta R.T. -0.18 min

Lab File: BF120429.D

Acq: 29 May 2020 1:14

Tgt Ion:165 Resp: 50949

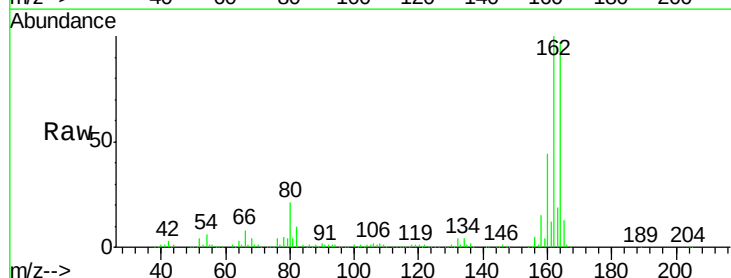
Ion Ratio Lower Upper

165 100

63 1.2 35.9 53.9#

89 1.6 60.0 90.0#

182 0.0 2.0 3.0#

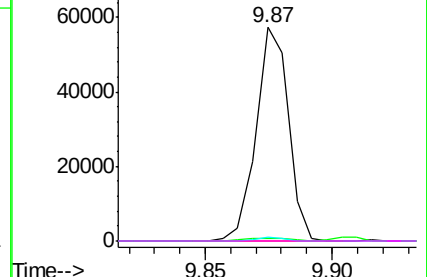
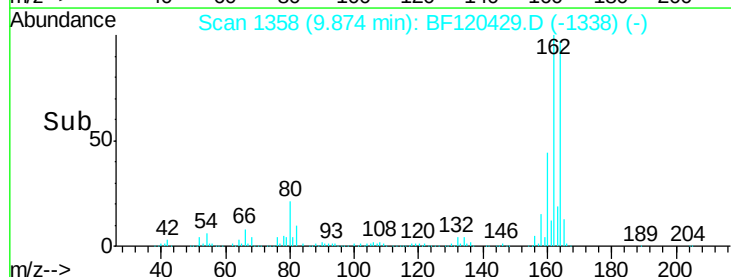


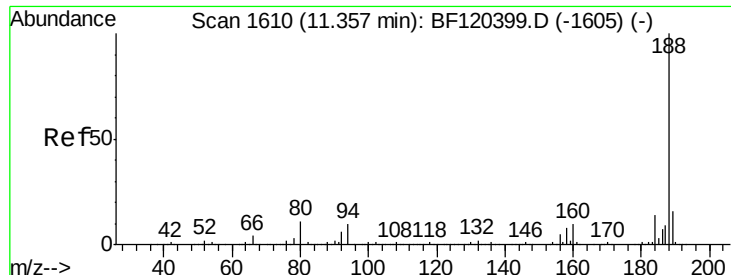
Abundance Ion 165.00 (164.70 to 165.70): E

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

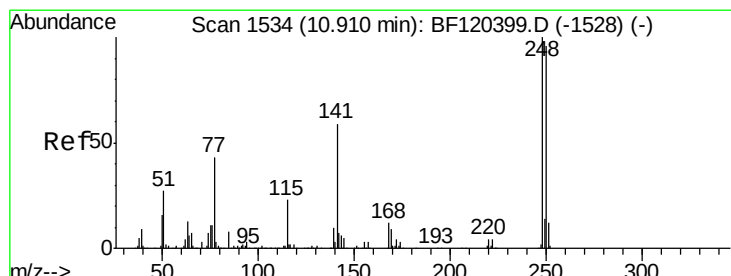
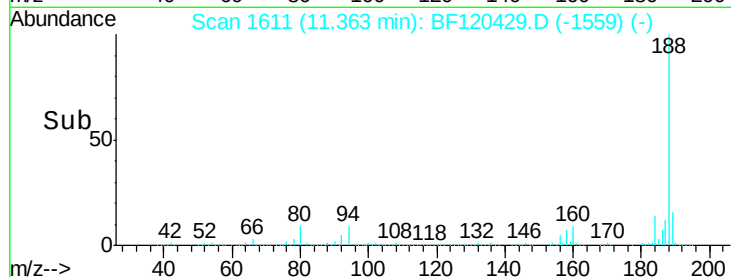
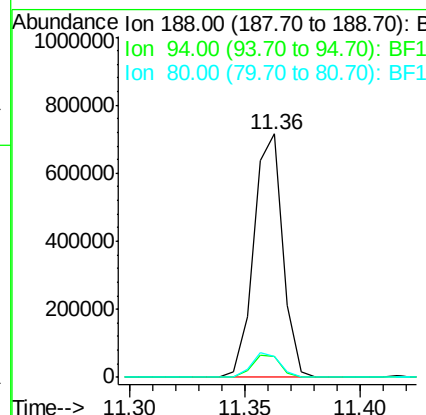
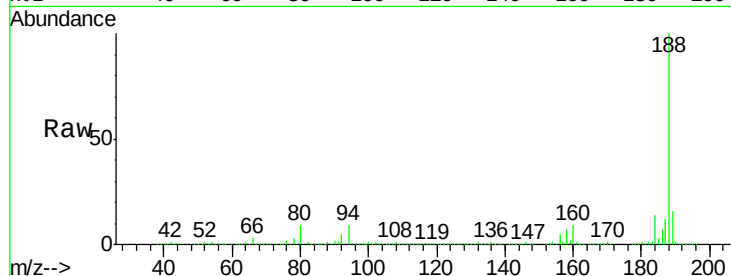




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1611
 Delta R.T. 0.01 min
 Lab File: BF120429.D
 Acq: 29 May 2020 1:14

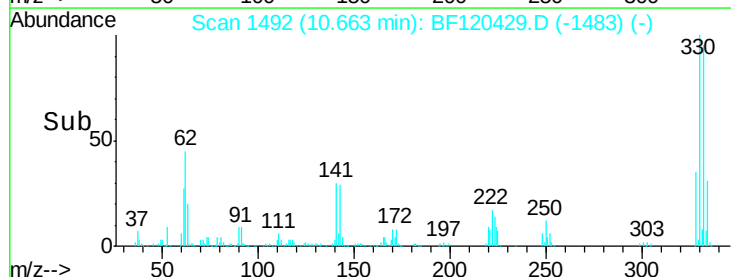
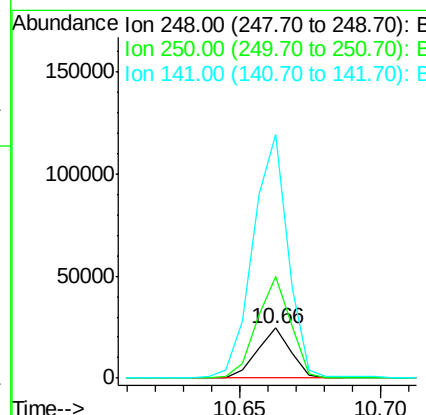
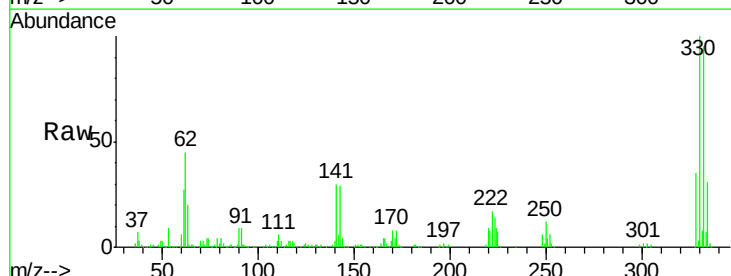
Instrument :
 BNA_F
 ClientSampleId :
 NM44-COMP-2020-0-6

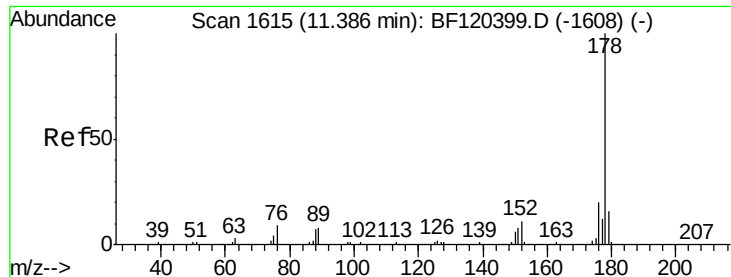
Tot Ion	188	Ratio	Lower	Upper
188	100			
94	8.7	7.9	11.9	
80	8.6	8.6	13.0#	



#67
 4-Bromophenyl-phenylether
 Concen: 3.198 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.25 min
 Lab File: BF120429.D
 Acq: 29 May 2020 1:14

Tgt Ion	248	Ratio	Lower	Upper
248	100			
250	202.5	76.5	114.7#	
141	488.2	47.2	70.8#	





#71

Phenanthrene

Concen: 7.681 ng

RT: 11.39 min Scan# 1615

Delta R.T. 0.00 min

Lab File: BF120429.D

Acq: 29 May 2020 1:14

Instrument :

BNA_F

ClientSampleId :

NM44-COMP-2020-0-6

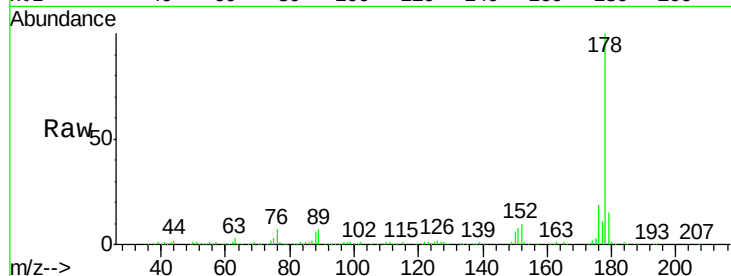
Tot Ion:178 Resp: 211846

Ion Ratio Lower Upper

178 100

176 19.1 16.4 24.6

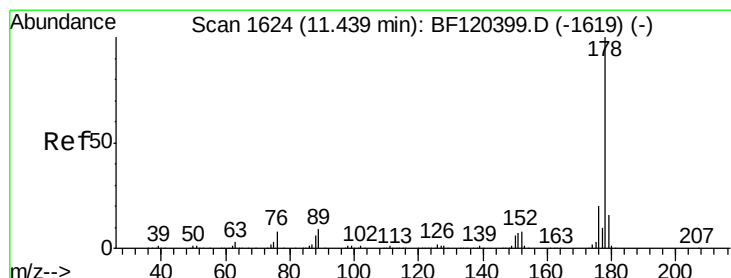
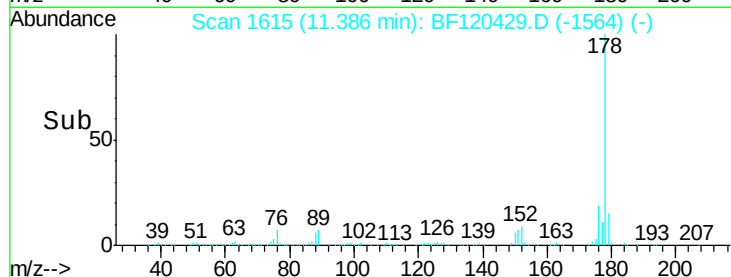
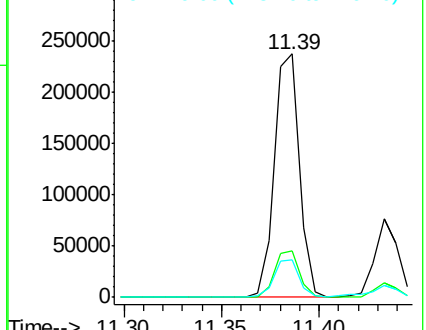
179 15.4 13.0 19.4



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



#72

Anthracene

Concen: 2.241 ng

RT: 11.43 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF120429.D

Acq: 29 May 2020 1:14

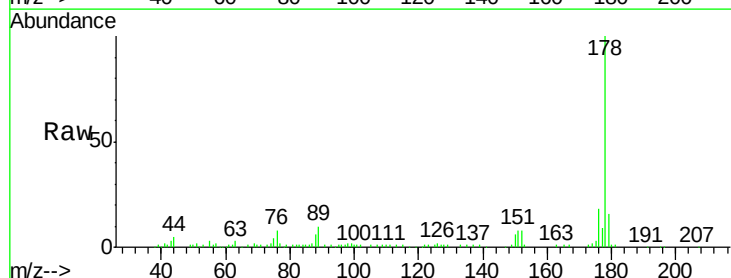
Tgt Ion:178 Resp: 62008

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.6

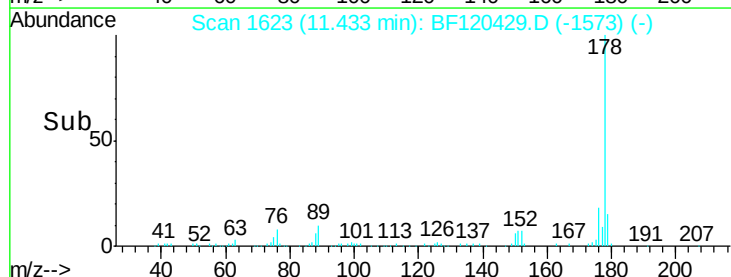
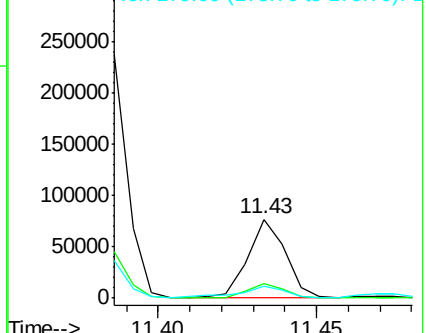
179 15.6 12.8 19.2

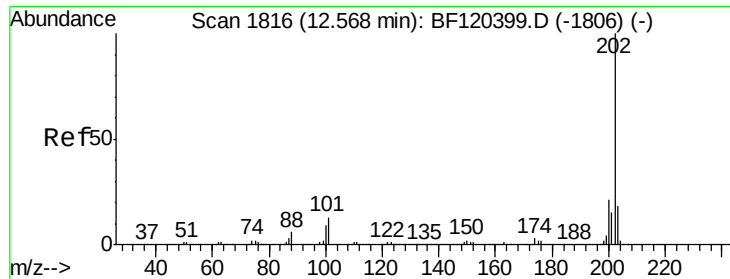


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 18.257 ng

RT: 12.57 min Scan# 1817

Delta R.T. 0.01 min

Lab File: BF120429.D

Acq: 29 May 2020 1:14

Instrument :

BNA_F

ClientSampleId :

NM44-COMP-2020-0-6

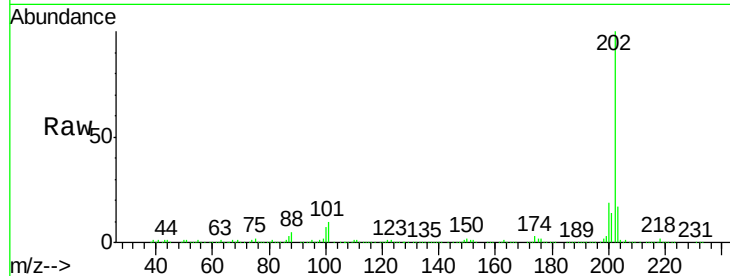
Tot Ion:202 Resp: 541777

Ion Ratio Lower Upper

202 100

101 10.4 0.0 32.6

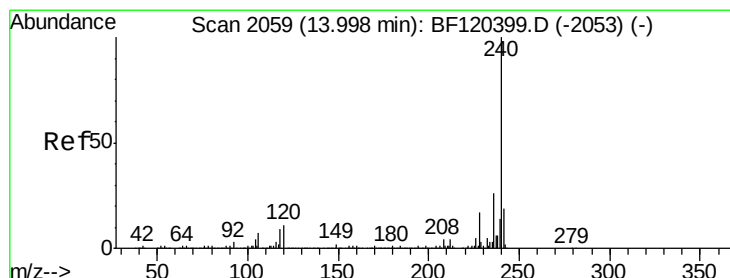
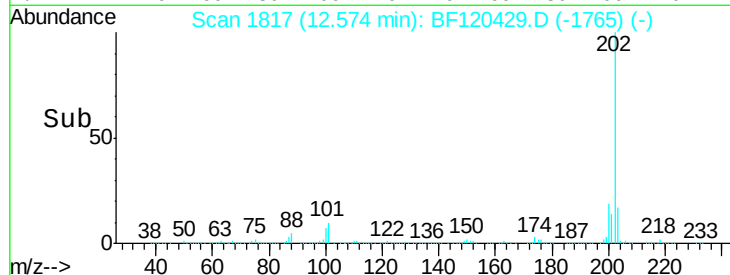
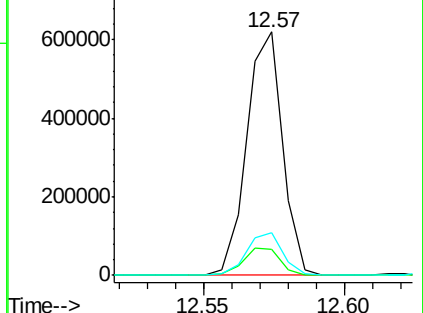
203 17.3 0.0 38.4



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: 14.00 min Scan# 2059

Delta R.T. 0.00 min

Lab File: BF120429.D

Acq: 29 May 2020 1:14

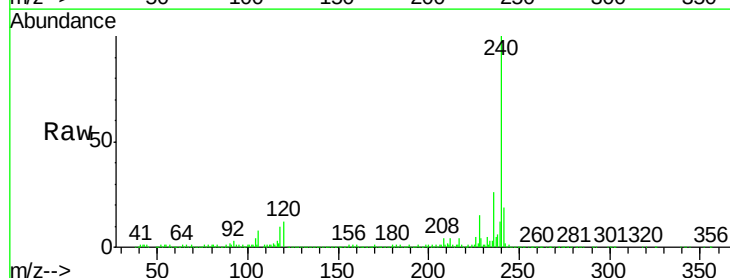
Tgt Ion:240 Resp: 514395

Ion Ratio Lower Upper

240 100

120 11.9 8.8 13.2

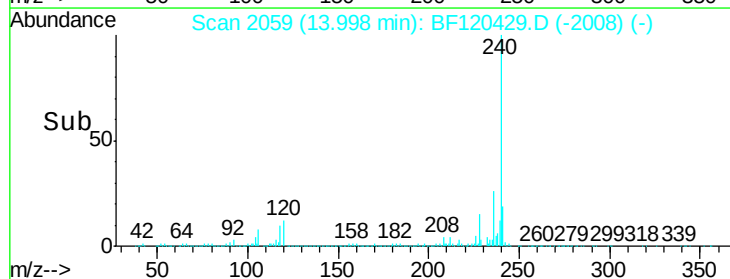
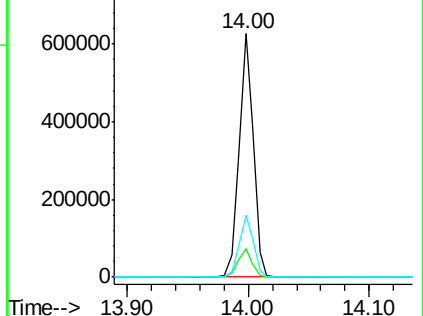
236 25.7 21.0 31.4

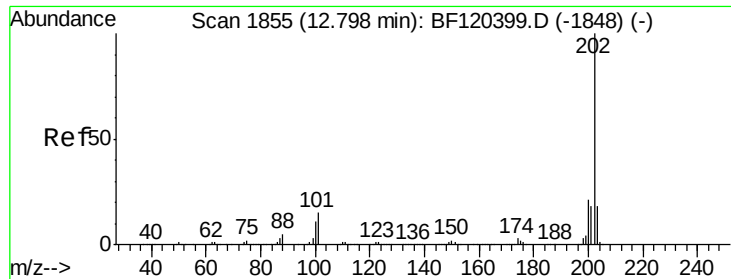


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 17.715 ng

RT: 12.80 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BF120429.D

Acq: 29 May 2020 1:14

Instrument :

BNA_F

ClientSampleId :

NM44-COMP-2020-0-6

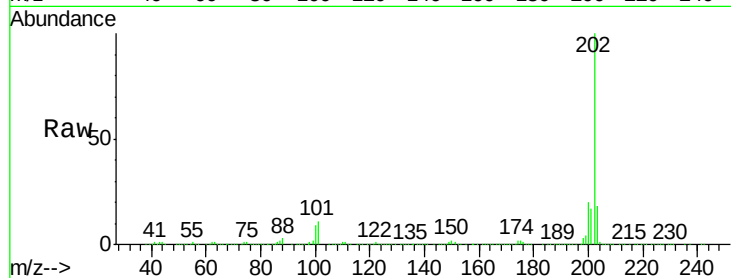
Tot Ion:202 Resp: 633730

Ion Ratio Lower Upper

202 100

200 19.9 17.0 25.4

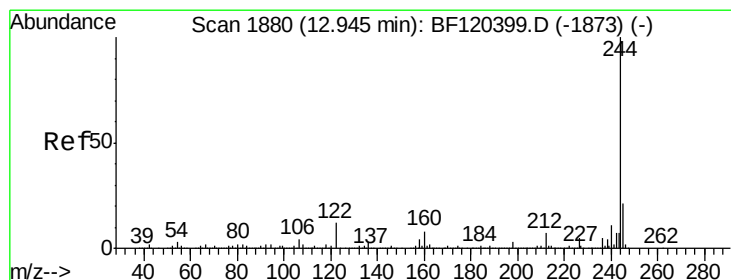
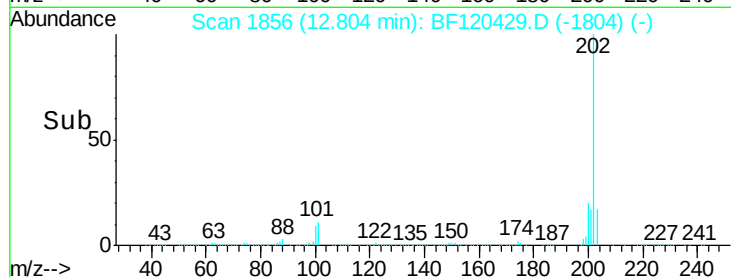
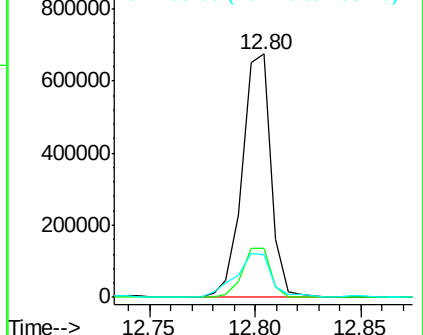
203 17.6 14.7 22.1



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: 66.520 ng

RT: 12.94 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BF120429.D

Acq: 29 May 2020 1:14

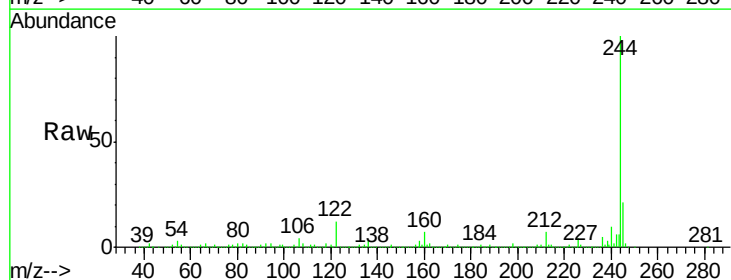
Tgt Ion:244 Resp: 1537694

Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

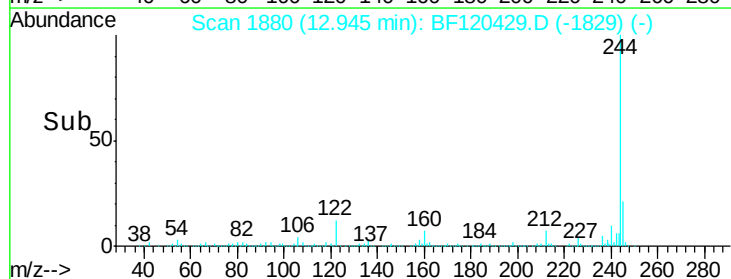
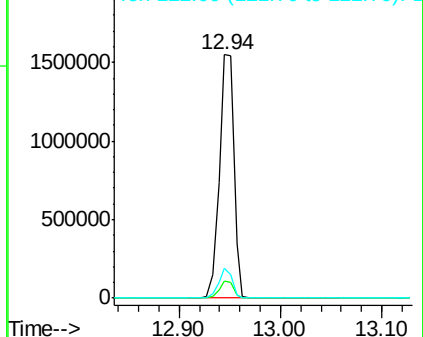
122 12.2 9.2 13.8

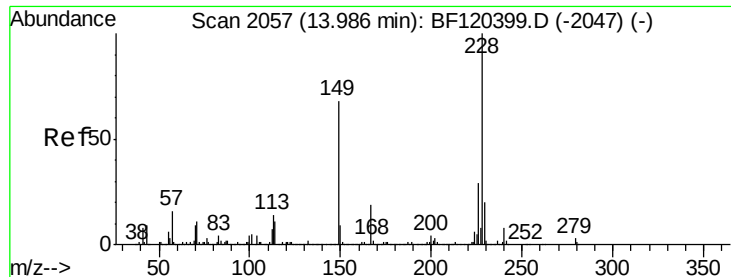


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

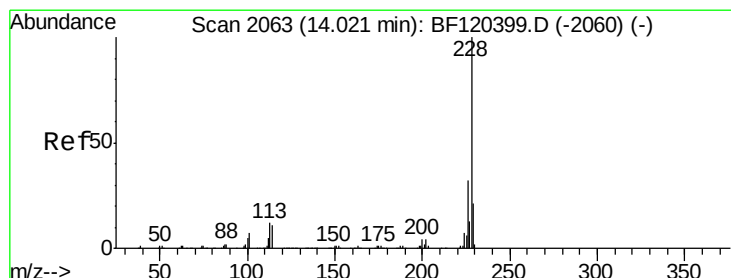
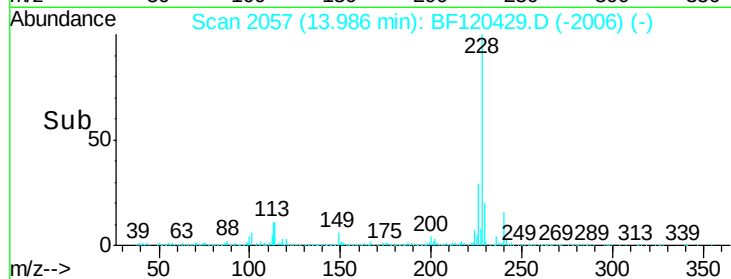
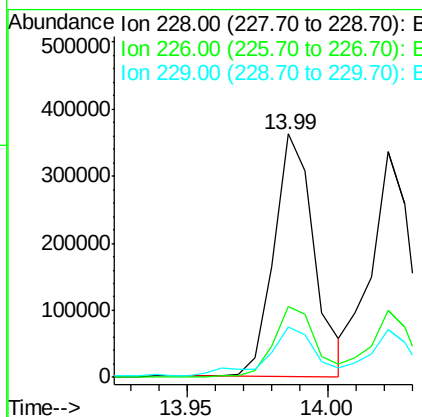
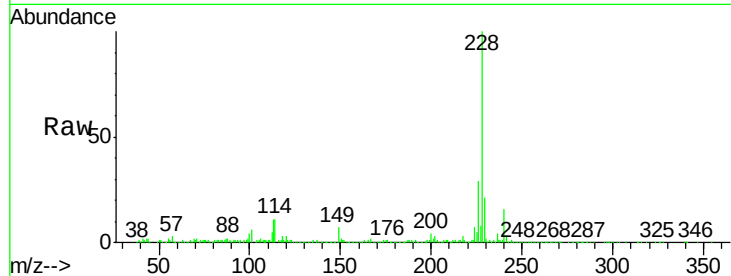




#81
Benzo(a)anthracene
Concen: 12.999 ng
RT: 13.99 min Scan# 2057
Delta R.T. 0.00 min
Lab File: BF120429.D
Acq: 29 May 2020 1:14

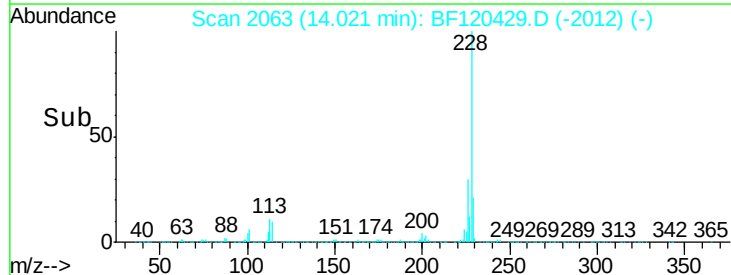
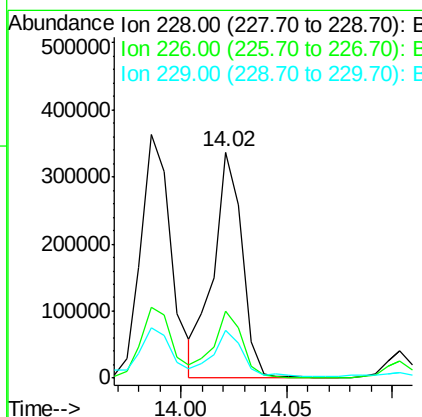
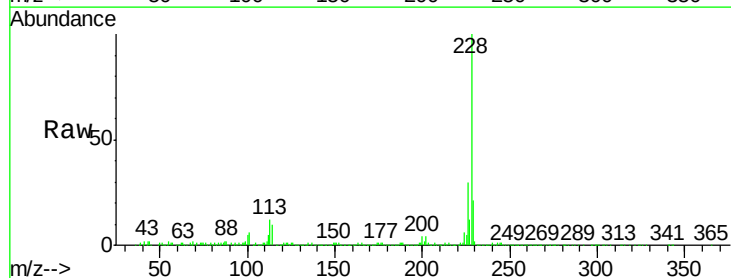
Instrument :
BNA_F
ClientSampleId :
NM44-COMP-2020-0-6

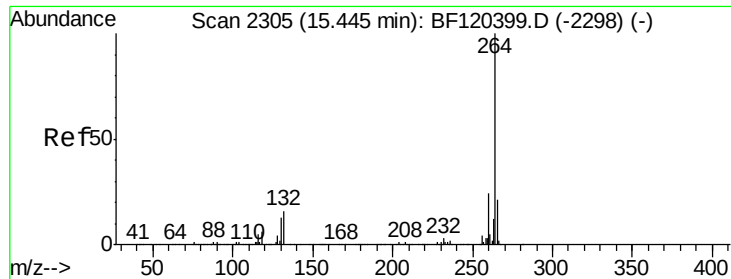
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.0	34.4
229	20.7	16.2	24.4



#83
Chrysene
Concen: 10.935 ng
RT: 14.02 min Scan# 2063
Delta R.T. 0.00 min
Lab File: BF120429.D
Acq: 29 May 2020 1:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.6	38.4
229	21.2	16.6	25.0

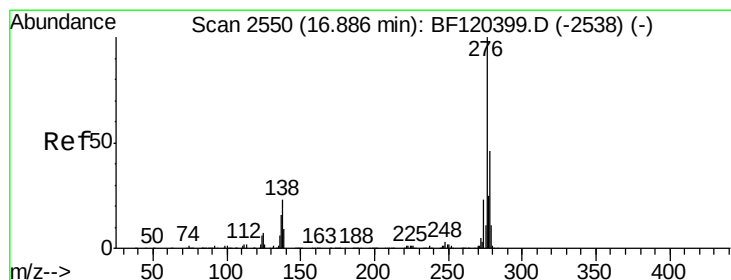
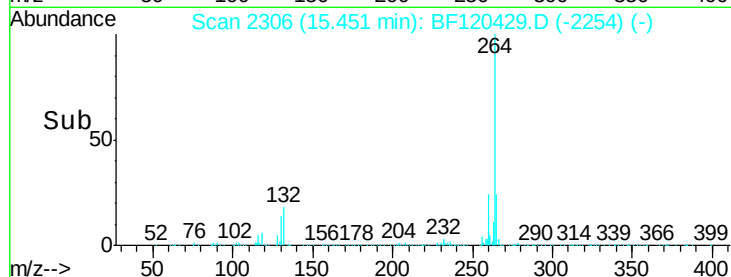
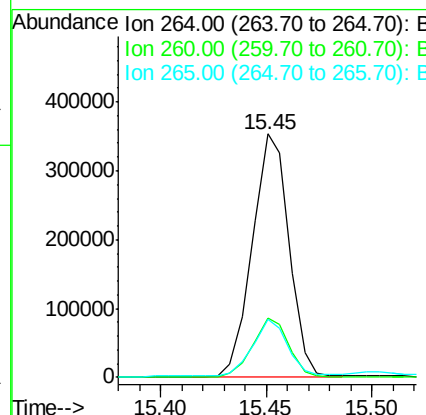
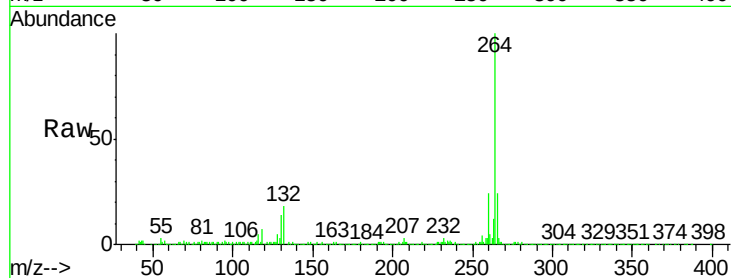




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. 0.01 min
Lab File: BF120429.D
Acq: 29 May 2020 1:14

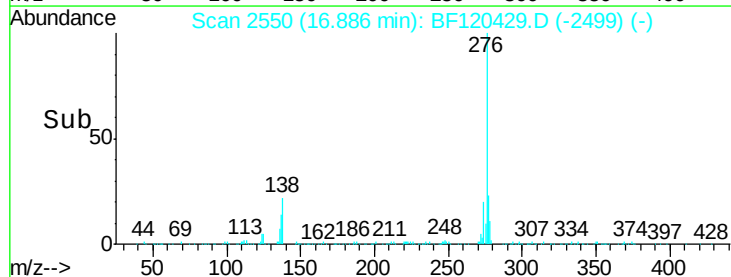
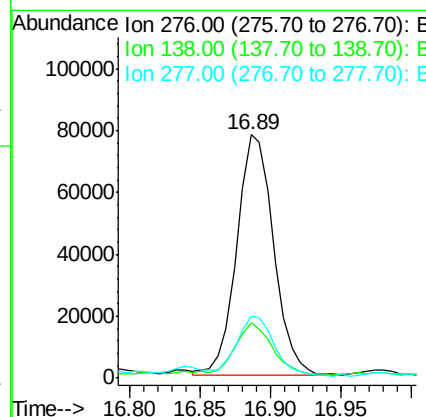
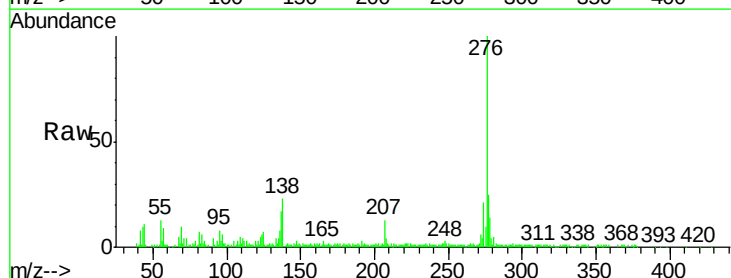
Instrument :
BNA_F
ClientSampleId :
NM44-COMP-2020-0-6

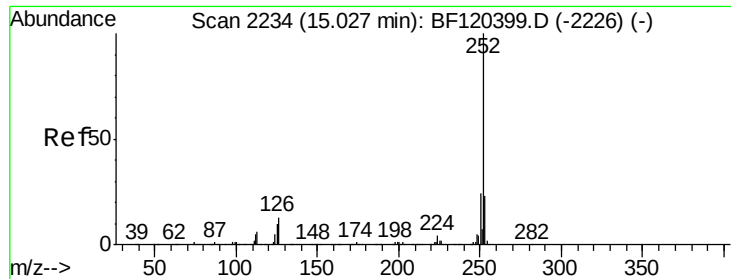
Tot Ion:264 Resp: 426089
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 23.8 16.9 25.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.092 ng
RT: 16.89 min Scan# 2550
Delta R.T. 0.00 min
Lab File: BF120429.D
Acq: 29 May 2020 1:14

Tgt Ion:276 Resp: 141981
Ion Ratio Lower Upper
276 100
138 22.0 20.4 30.6
277 25.5 20.4 30.6

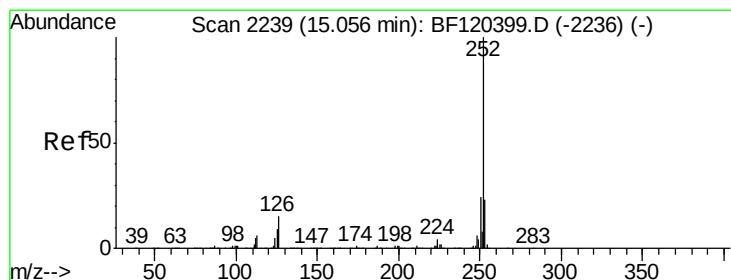
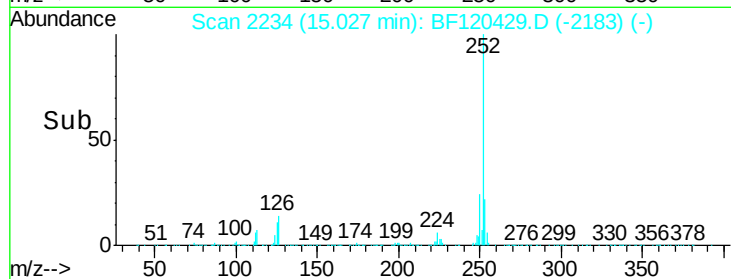
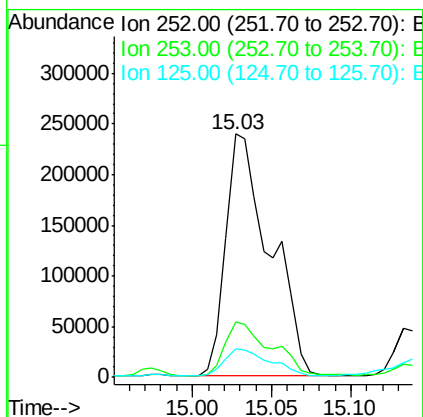
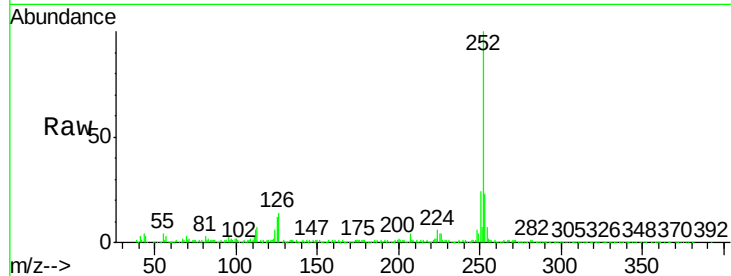




#88
Benzo(b)fluoranthene
Concen: 19.589 ng
RT: 15.03 min Scan# 2234
Delta R.T. 0.00 min
Lab File: BF120429.D
Acq: 29 May 2020 1:14

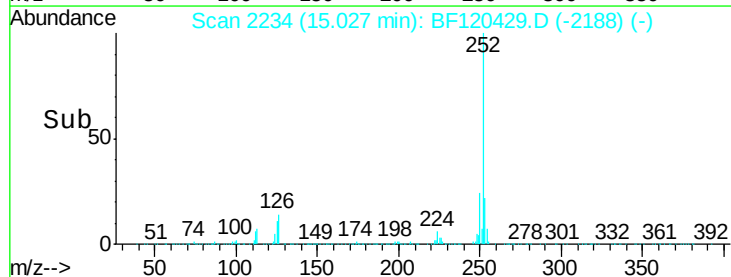
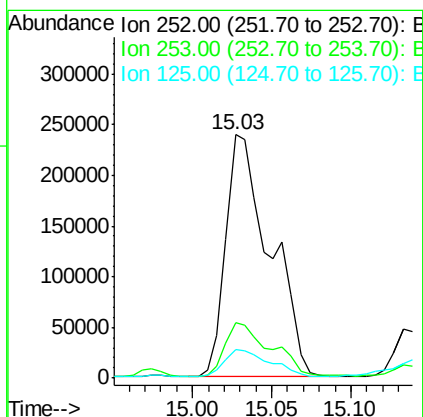
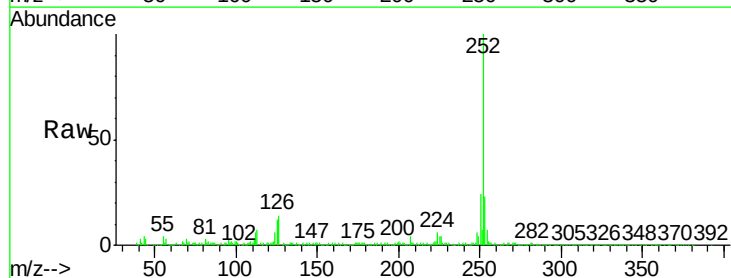
Instrument :
BNA_F
ClientSampleId :
NM44-COMP-2020-0-6

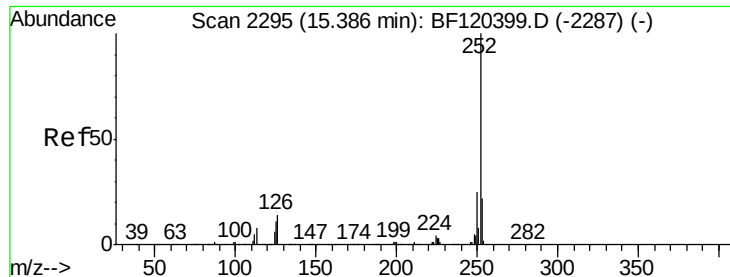
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	11.5	7.8	11.8



#89
Benzo(k)fluoranthene
Concen: 20.983 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.03 min
Lab File: BF120429.D
Acq: 29 May 2020 1:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.5	27.7
125	11.5	8.0	12.0





#90

Benzo(a)pyrene

Concen: 12.586 ng

RT: 15.39 min Scan# 2296

Delta R.T. 0.01 min

Lab File: BF120429.D

Acq: 29 May 2020 1:14

Instrument :

BNA_F

ClientSampleId :

NM44-COMP-2020-0-6

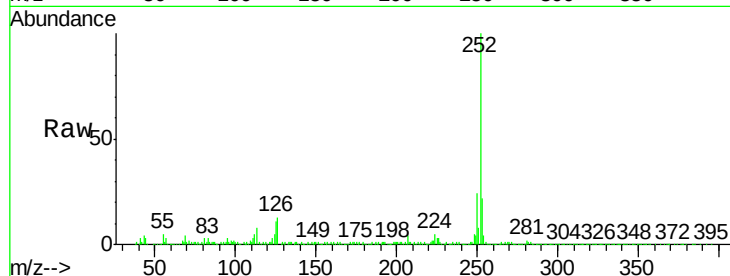
Tot Ion:252 Resp: 260549

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

125 10.8 8.7 13.1

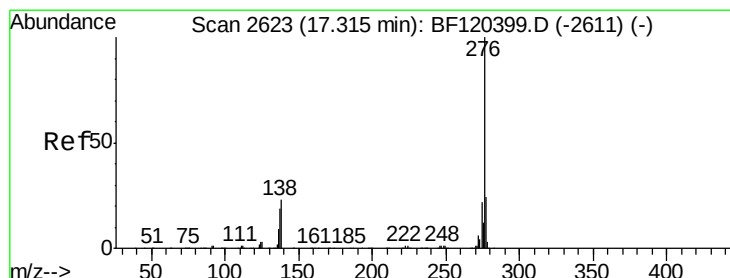
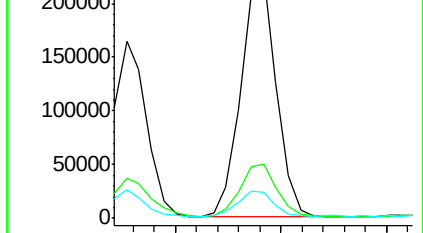
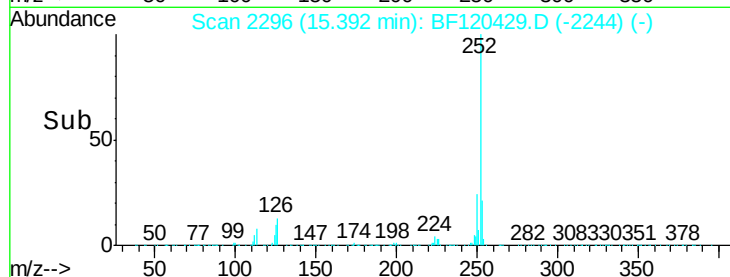


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



#92

Benzo(g,h,i)perylene

Concen: 7.673 ng

RT: 17.33 min Scan# 2625

Delta R.T. 0.01 min

Lab File: BF120429.D

Acq: 29 May 2020 1:14

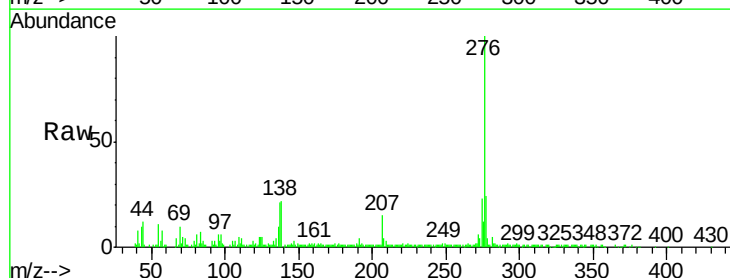
Tgt Ion:276 Resp: 143787

Ion Ratio Lower Upper

276 100

277 24.5 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

Time-->

