

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
 Data File : BF120513.D
 Acq On : 3 Jun 2020 16:57
 Operator : JU/CG
 Sample : L2839-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM27-COMP-2020-0-6

Quant Time: Jun 03 17:50:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 03 14:26:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	209078	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	692795	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	388845	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	664060	20.00	ng	0.00
76) Chrysene-d12	14.00	240	363369	20.00	ng	-0.01
86) Perylene-d12	15.45	264	334488	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	892690	81.37	ng	0.00
7) Phenol-d6	6.47	99	1329250	98.30	ng	0.00
23) Nitrobenzene-d5	7.40	82	869959	82.14	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	363655	100.94	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1405926	61.35	ng	0.00
79) Terphenyl-d14	12.95	244	1403365	85.94	ng	0.00

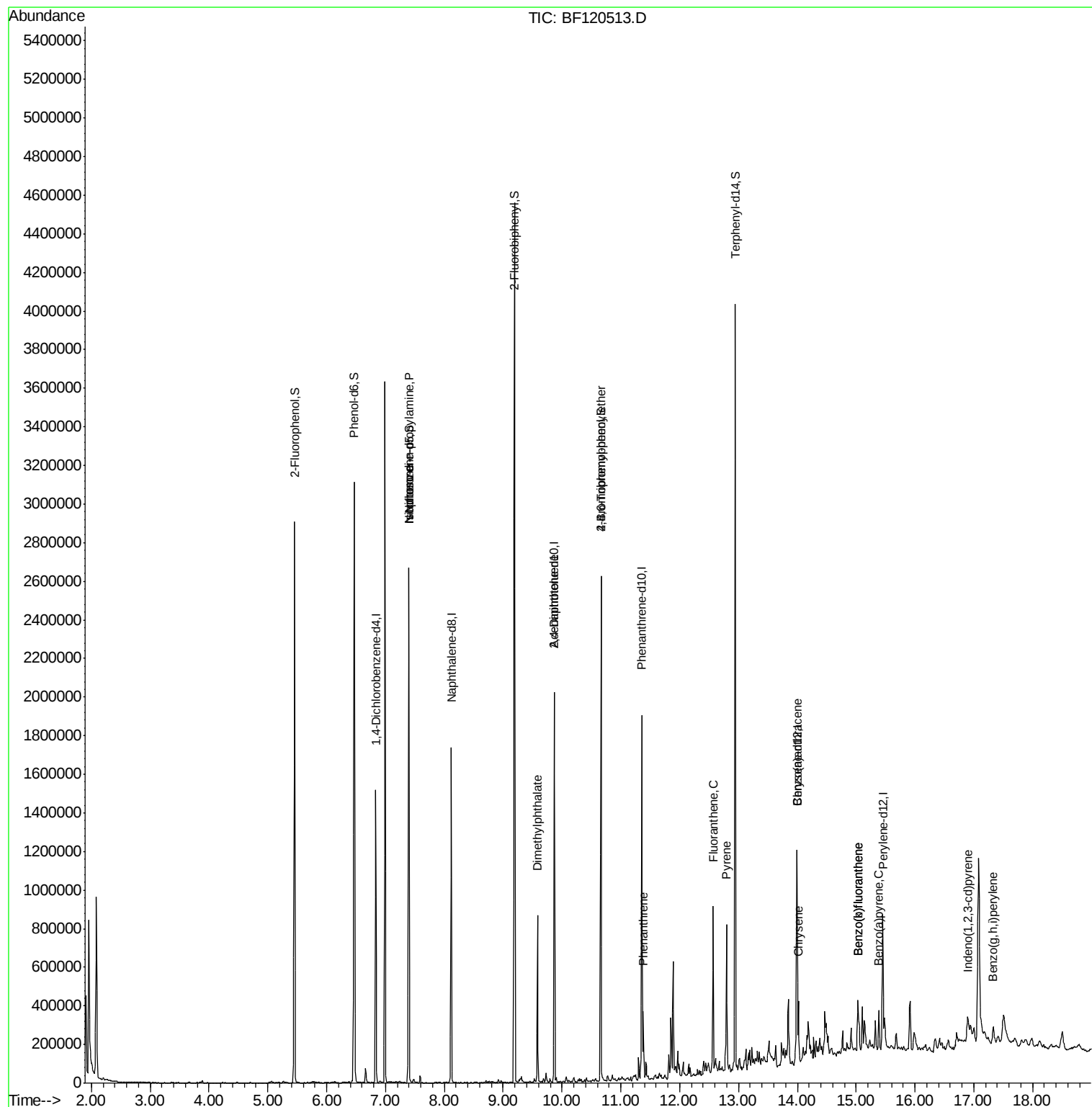
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	115700	13.460	ng	# 77
25) Isophorone	7.40	82	866398	40.702	ng	# 64
50) Dimethylphthalate	9.59	163	347416	14.291	ng	98
57) 2,4-Dinitrotoluene	9.87	165	50871	7.358	ng	# 26
67) 4-Bromophenyl-phenylether	10.66	248	21617	3.225	ng	# 1
71) Phenanthrene	11.38	178	119974	4.100	ng	97
75) Fluoranthene	12.57	202	306422	9.732	ng	99
78) Pyrene	12.80	202	301652	11.937	ng	98
81) Benzo(a)anthracene	13.99	228	123822	6.358	ng	97
83) Chrysene	14.02	228	123668	6.057	ng	96
87) Indeno(1,2,3-cd)pyrene	16.89	276	73295	4.006	ng	95
88) Benzo(b)fluoranthene	15.03	252	189289	10.189	ng	100
89) Benzo(k)fluoranthene	15.03	252	189289	10.914	ng	99
90) Benzo(a)pyrene	15.39	252	99087	6.097	ng	98
92) Benzo(a,h,i)perylene	17.33	276	68354	4.647	ng	98

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

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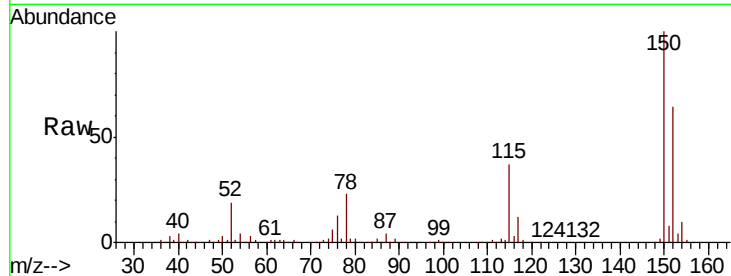


#1

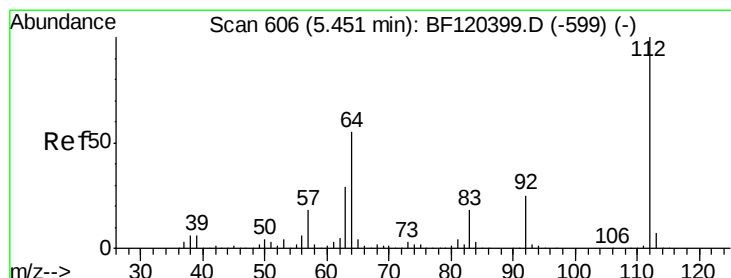
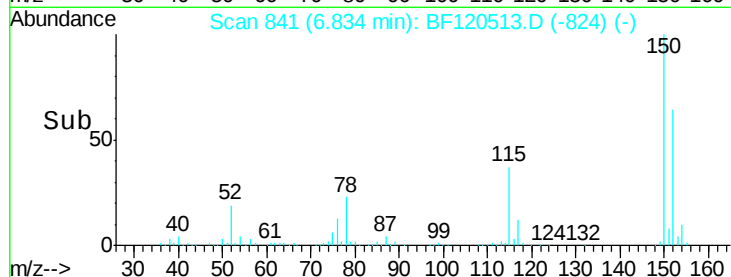
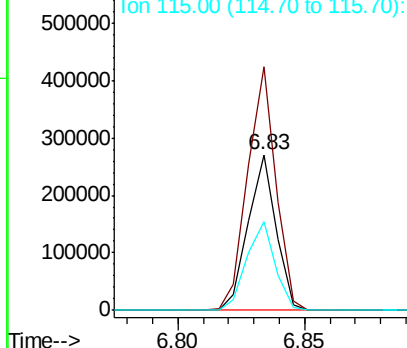
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 841
Delta R.T. 0.00 min
Lab File: BF120513.D
Acq: 3 Jun 2020 16:57

Instrument :
BNA_F
ClientSampleId :
NM27-COMP-2020-0-6

Tot Ion:152 Resp: 209078
Ion Ratio Lower Upper
152 100
150 156.3 127.1 190.7
115 57.1 48.7 73.1



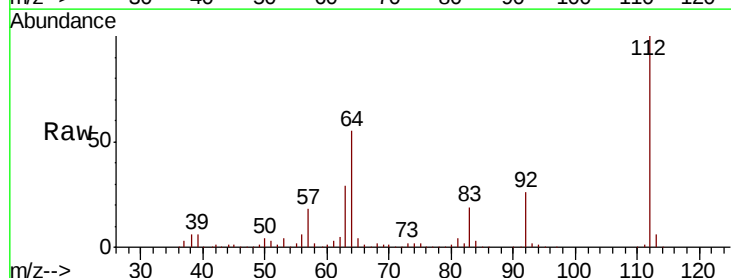
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



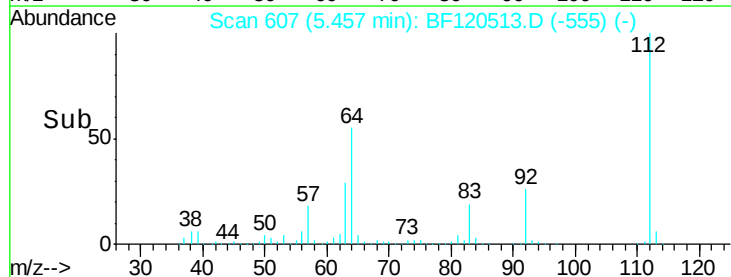
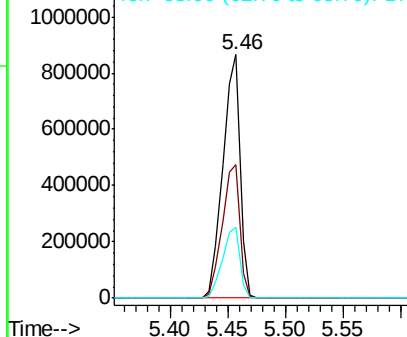
#5

2-Fluorophenol
Concen: 81.369 ng
RT: 5.46 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF120513.D
Acq: 3 Jun 2020 16:57

Tgt Ion:112 Resp: 892690
Ion Ratio Lower Upper
112 100
64 54.9 45.8 68.8
63 29.0 23.7 35.5



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: 98.300 ng

RT: 6.47 min Scan# 779

Delta R.T. -0.01 min

Lab File: BF120513.D

Acq: 3 Jun 2020 16:57

Instrument :

BNA_F

ClientSampleId :

NM27-COMP-2020-0-6

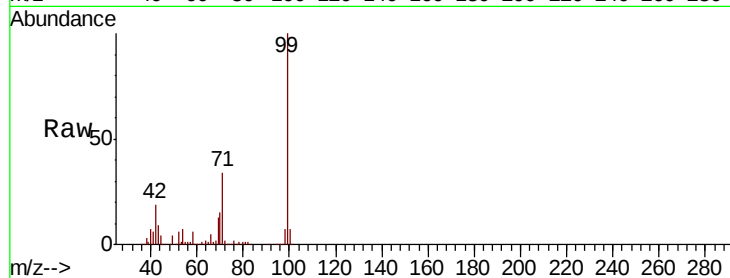
Tot Ion: 99 Resp: 1329250

Ion Ratio Lower Upper

99 100

42 18.9 15.0 22.4

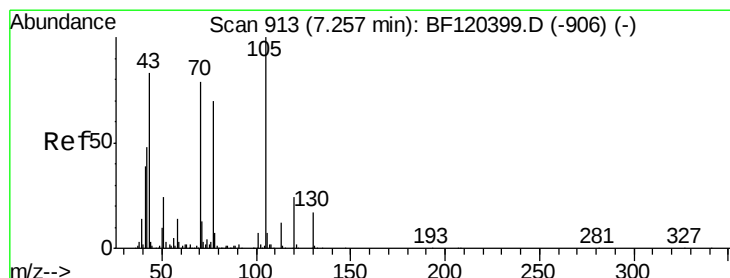
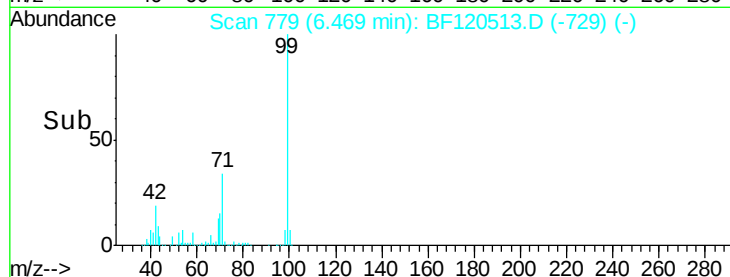
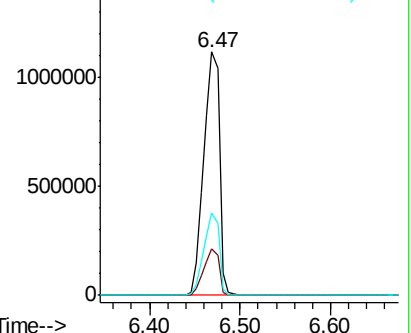
71 33.8 26.3 39.5



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 13.460 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120513.D

Acq: 3 Jun 2020 16:57

Tgt Ion: 70 Resp: 115700

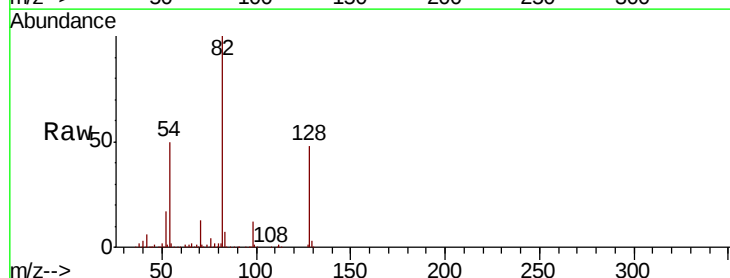
Ion Ratio Lower Upper

70 100

42 47.1 47.6 71.4#

101 0.0 7.4 11.0#

130 2.2 17.1 25.7#

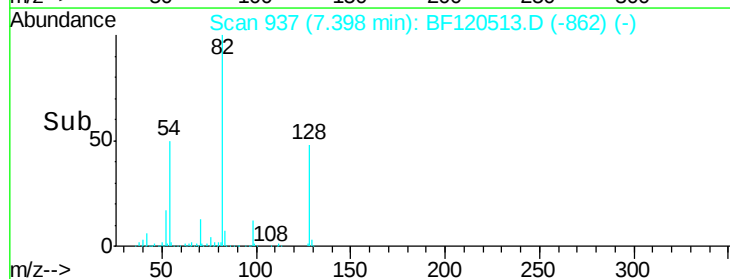
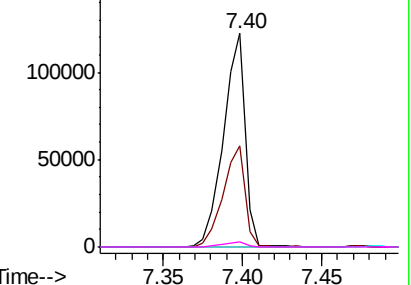


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BF120513.D

Acq: 3 Jun 2020 16:57

Instrument :

BNA_F

ClientSampleId :

NM27-COMP-2020-0-6

Tot Ion:136 Resp: 692795

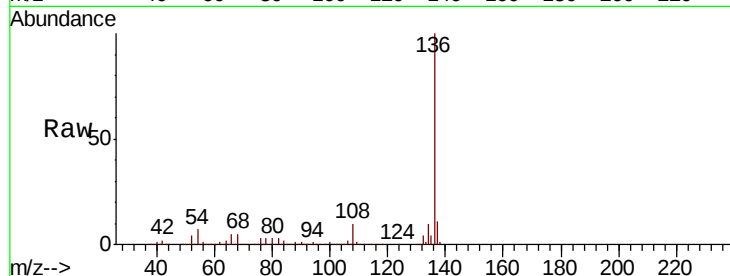
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 7.3 6.0 9.0

68 5.4 4.8 7.2

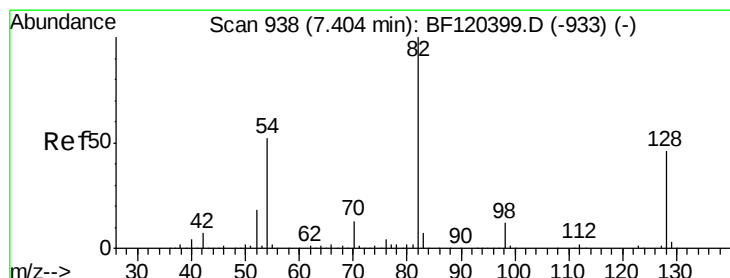
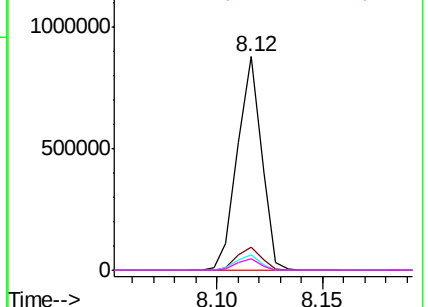
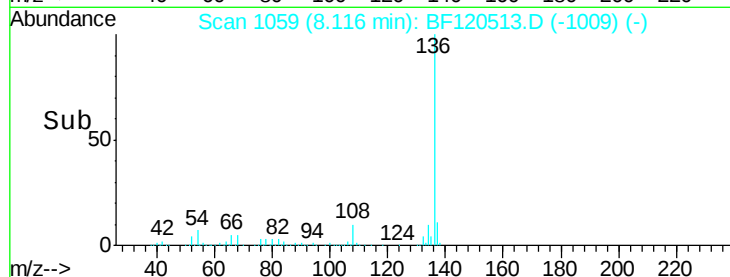


Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.141 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120513.D

Acq: 3 Jun 2020 16:57

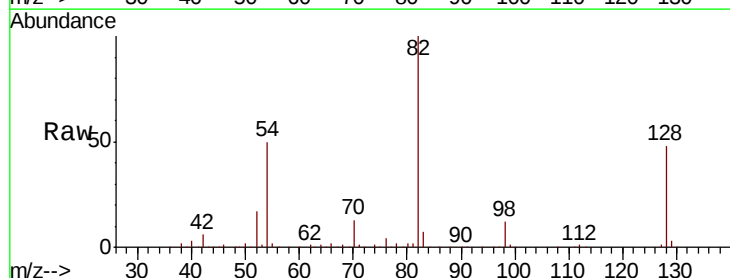
Tgt Ion: 82 Resp: 869959

Ion Ratio Lower Upper

82 100

128 47.9 37.4 56.0

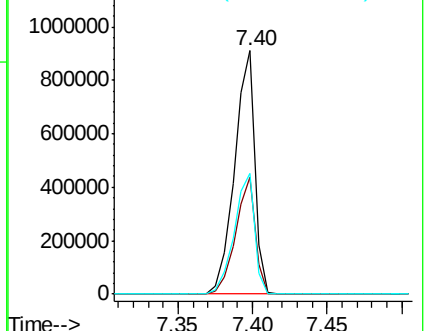
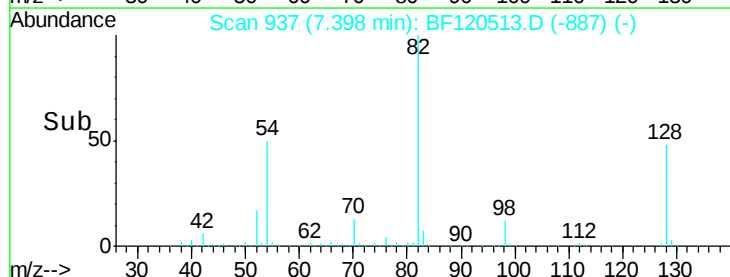
54 49.5 40.7 61.1



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: 40.702 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120513.D

Acq: 3 Jun 2020 16:57

Instrument :

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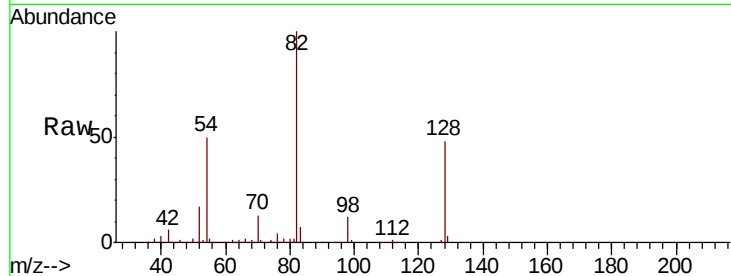
Tot Ion: 82 Resp: 866398

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 15.0 22.6#

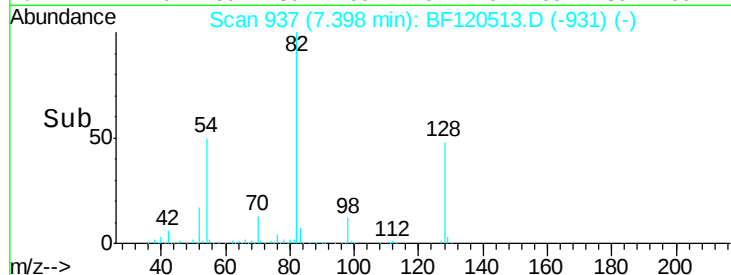


Abundance Ion 82.00 (81.70 to 82.70): BF1

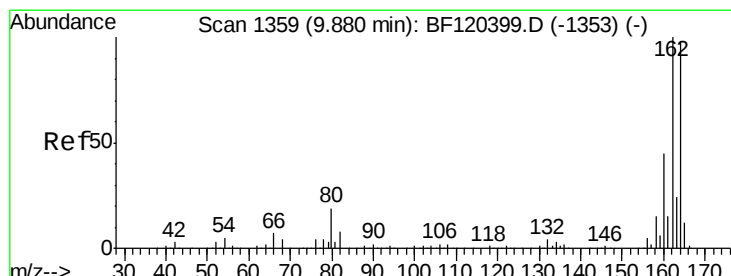
Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

Time-->



Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1357

Delta R.T. -0.01 min

Lab File: BF120513.D

Acq: 3 Jun 2020 16:57

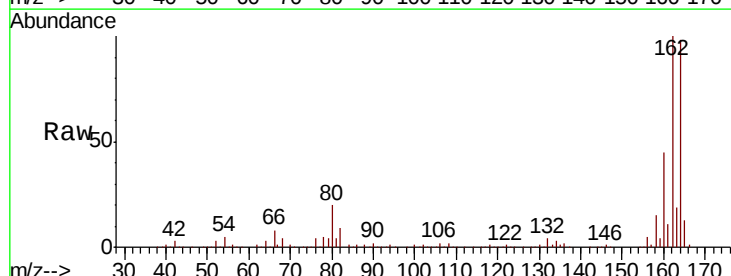
Tgt Ion: 164 Resp: 388845

Ion Ratio Lower Upper

164 100

162 101.9 81.8 122.6

160 46.0 37.3 55.9

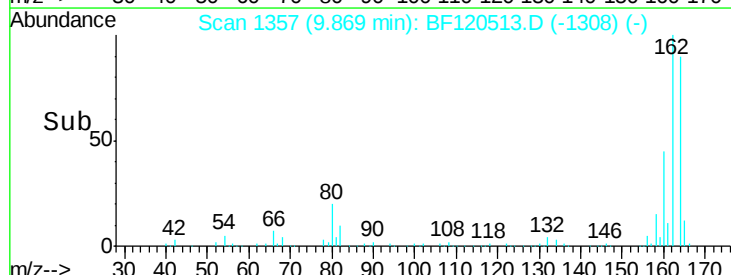


Abundance Ion 164.00 (163.70 to 164.70): BF1

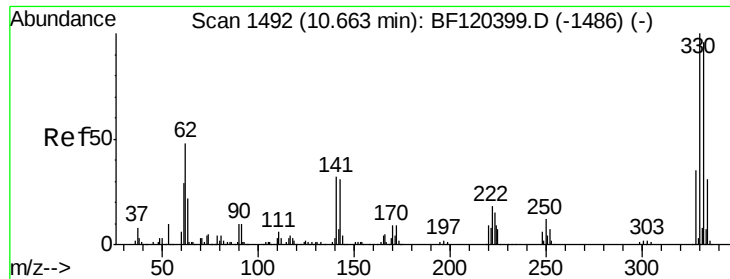
Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

Time-->



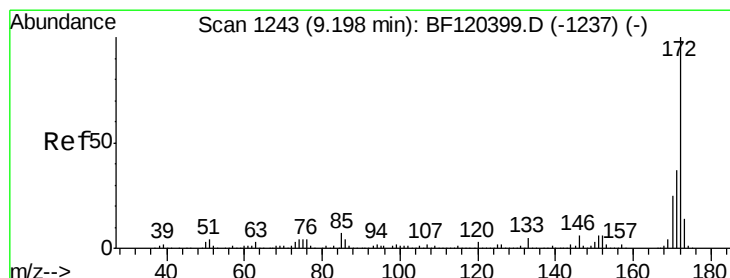
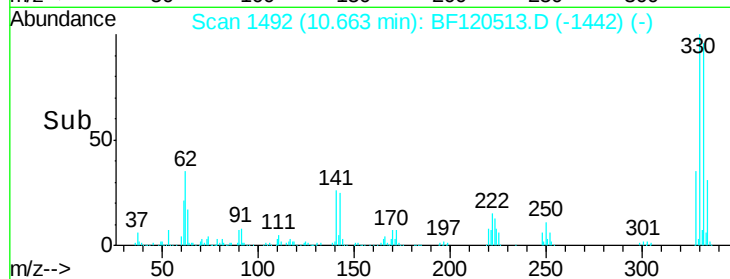
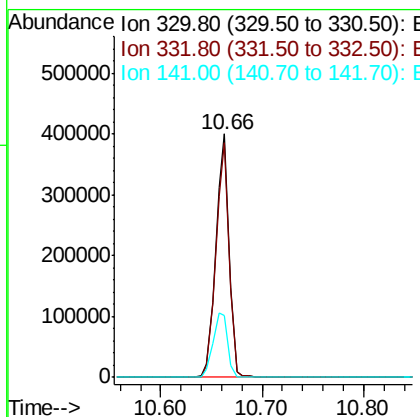
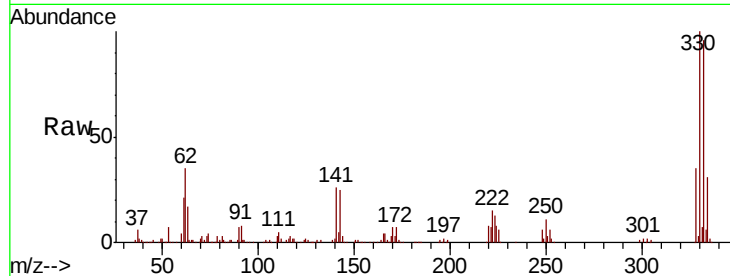
Time-->



#42
 2,4,6-Tribromophenol
 Concen: 100.936 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BF120513.D
 Acq: 3 Jun 2020 16:57

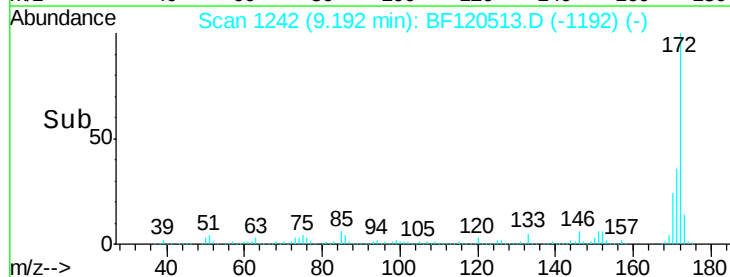
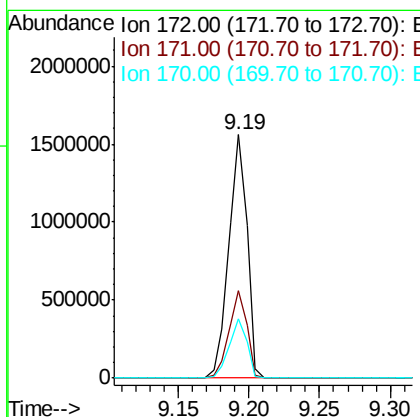
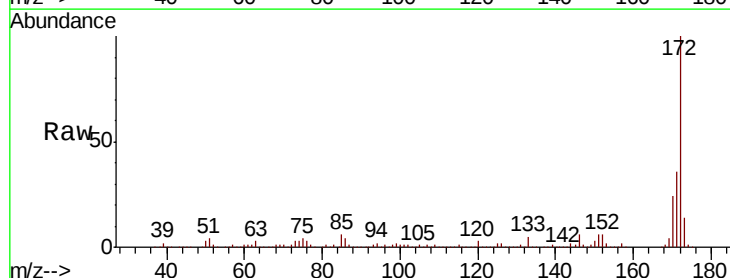
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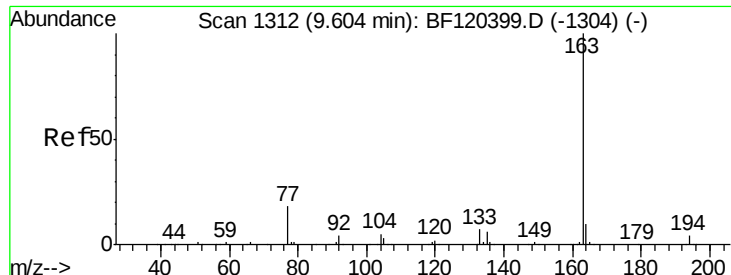
Tot Ion:330 Resp: 363655
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.4 116.2
 141 29.3 23.5 35.3



#45
 2-Fluorobiphenyl
 Concen: 61.346 ng
 RT: 9.19 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF120513.D
 Acq: 3 Jun 2020 16:57

Tgt Ion:172 Resp: 1405926
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.2 43.8
 170 24.2 20.1 30.1

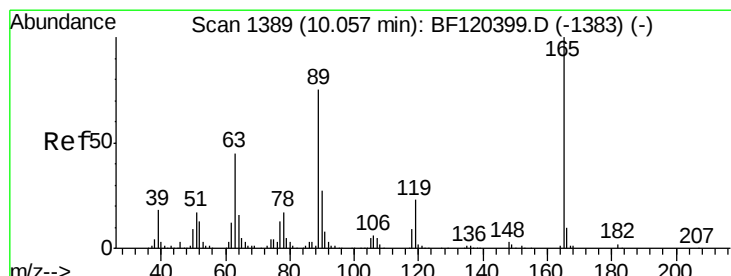
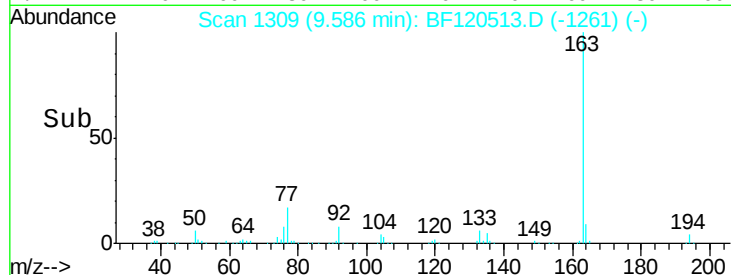
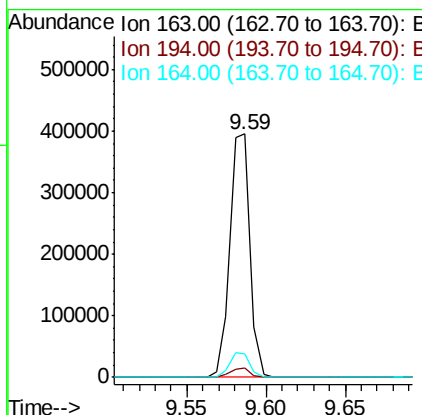
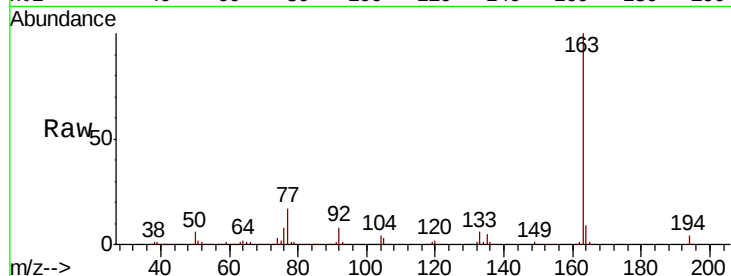




#50
Dimethylphthalate
Concen: 14.291 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF120513.D
Acq: 3 Jun 2020 16:57

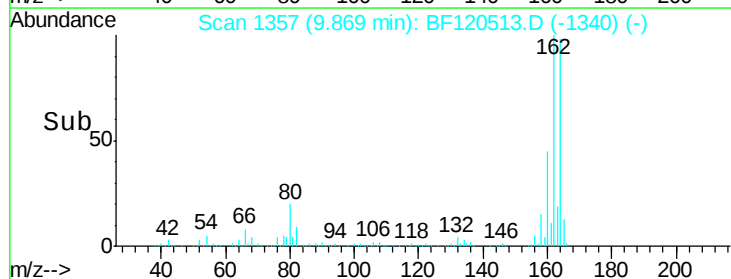
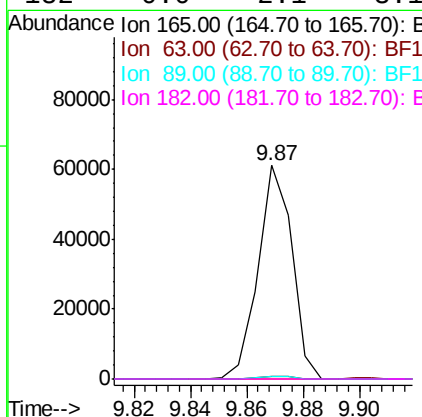
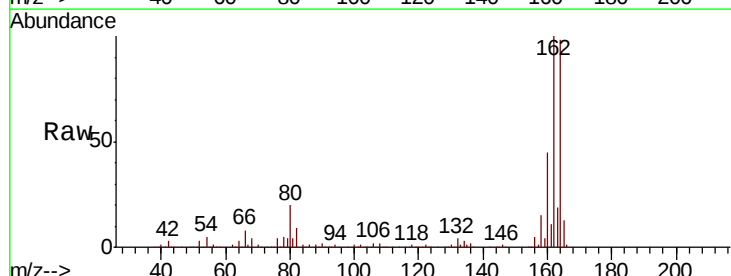
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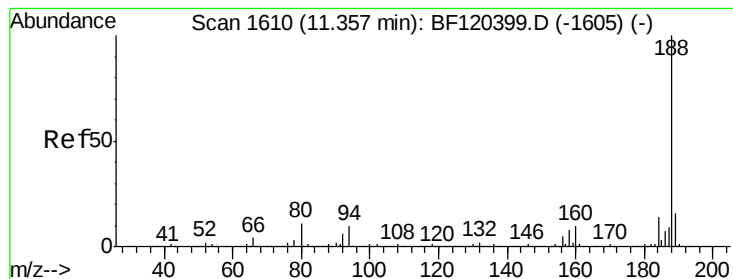
Tot Ion:163 Resp: 347416
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 9.4 8.2 12.4



#57
2,4-Dinitrotoluene
Concen: 7.358 ng
RT: 9.87 min Scan# 1357
Delta R.T. -0.20 min
Lab File: BF120513.D
Acq: 3 Jun 2020 16:57

Tgt Ion:165 Resp: 50871
Ion Ratio Lower Upper
165 100
63 1.1 33.4 50.0#
89 1.3 54.7 82.1#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1610

Delta R.T. -0.01 min

Lab File: BF120513.D

Acq: 3 Jun 2020 16:57

Instrument :

BNA_F

ClientSampleId :

NM27-COMP-2020-0-6

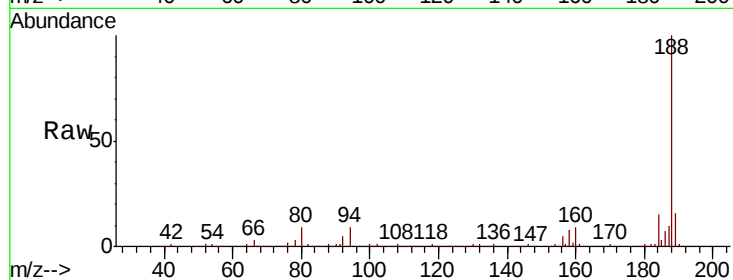
Tot Ion:188 Resp: 664060

Ion Ratio Lower Upper

188 100

94 9.1 7.5 11.3

80 9.5 7.9 11.9



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

11.36

800000

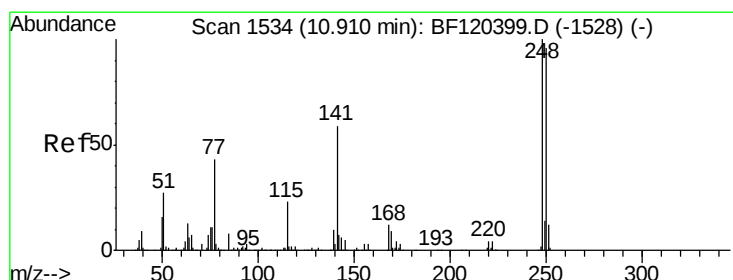
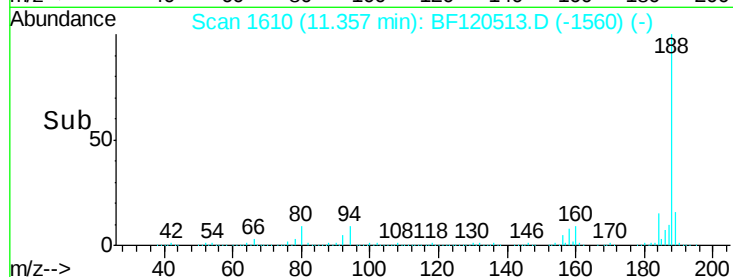
600000

400000

200000

0

Time-->



#67

4-Bromophenyl-phenylether

Concen: 3.225 ng

RT: 10.66 min Scan# 1492

Delta R.T. -0.25 min

Lab File: BF120513.D

Acq: 3 Jun 2020 16:57

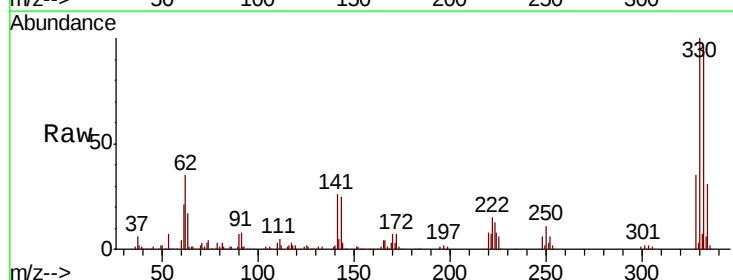
Tgt Ion:248 Resp: 21617

Ion Ratio Lower Upper

248 100

250 195.9 78.0 117.0#

141 444.9 50.3 75.5#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

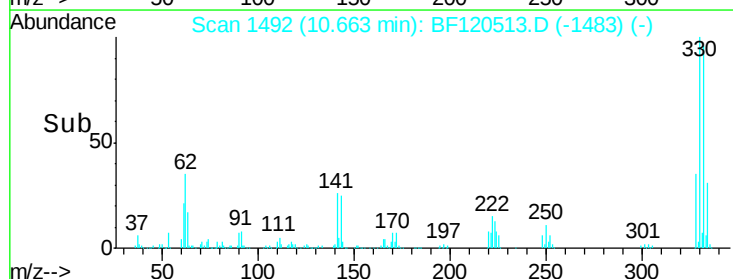
10.66

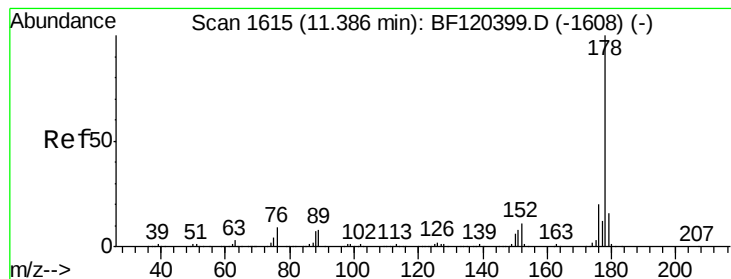
100000

50000

0

Time-->





#71

Phenanthrene

Concen: 4.100 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120513.D

Acq: 3 Jun 2020 16:57

Instrument :

BNA_F

ClientSampleId :

NM27-COMP-2020-0-6

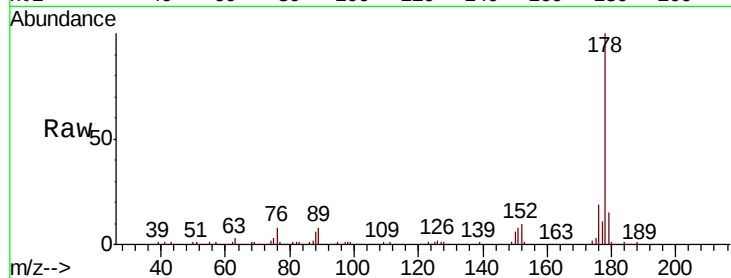
Tot Ion:178 Resp: 119974

Ion Ratio Lower Upper

178 100

176 19.3 16.6 24.8

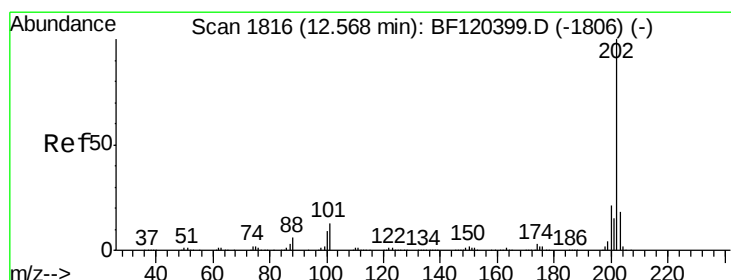
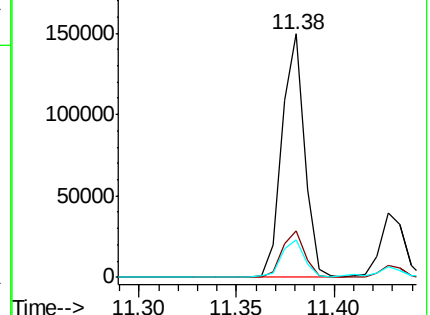
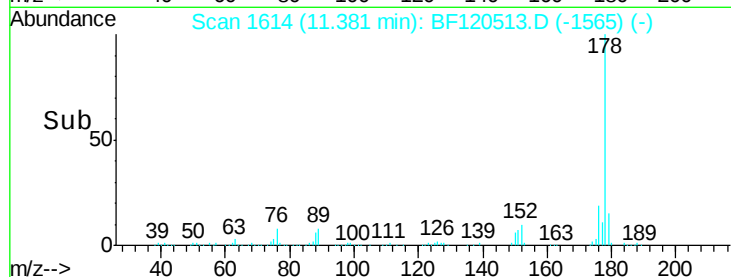
179 15.2 13.0 19.4



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: 9.732 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120513.D

Acq: 3 Jun 2020 16:57

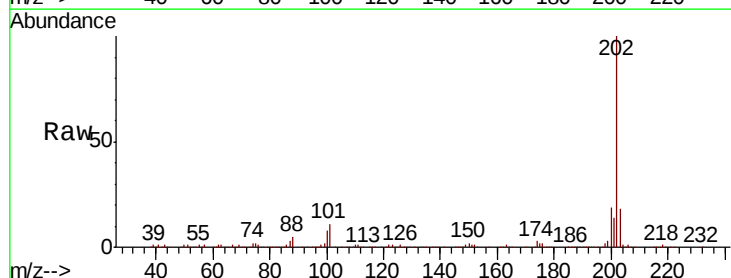
Tgt Ion:202 Resp: 306422

Ion Ratio Lower Upper

202 100

101 11.0 0.0 30.4

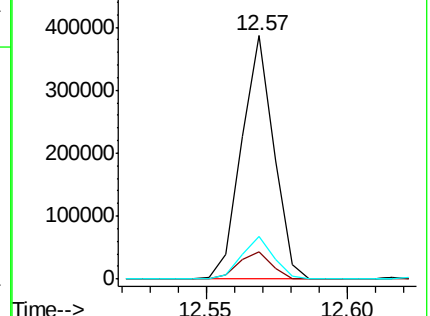
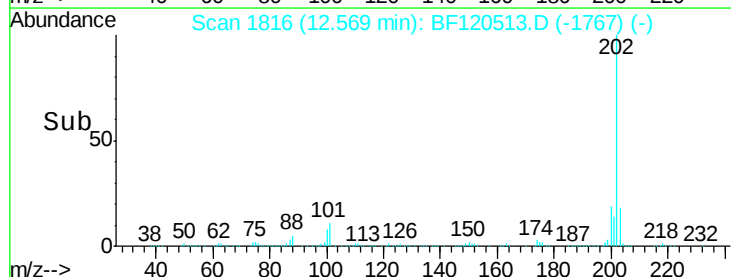
203 17.6 0.0 38.2

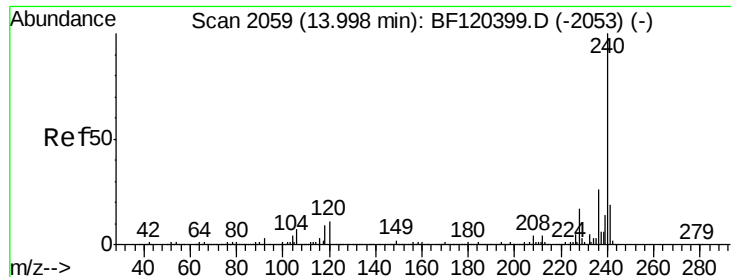


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

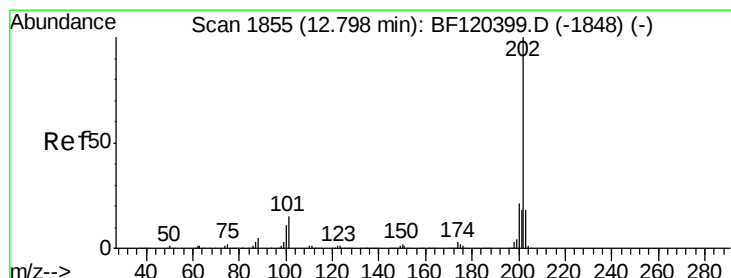
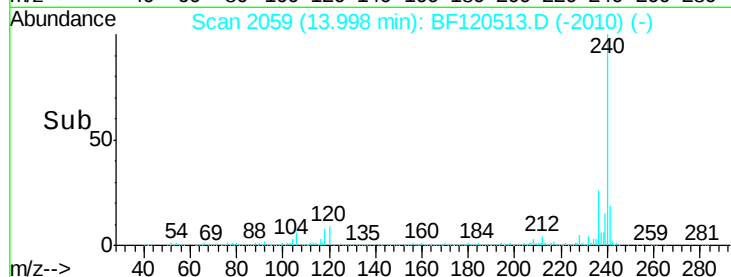
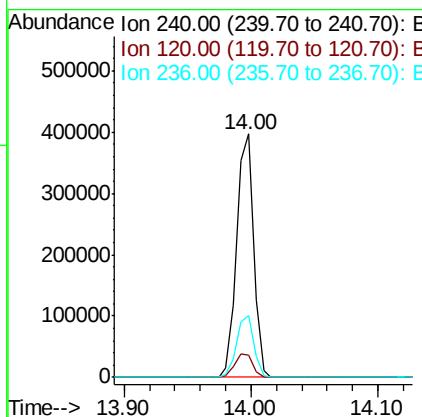
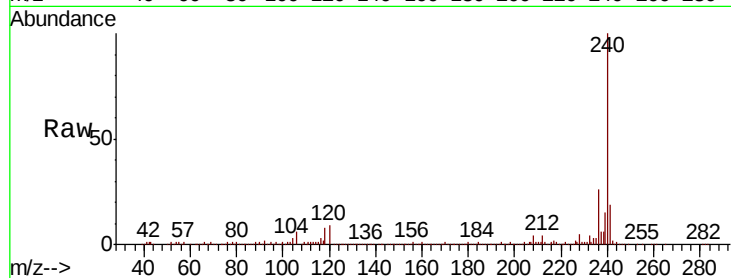




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2059
Delta R.T. -0.01 min
Lab File: BF120513.D
Acq: 3 Jun 2020 16:57

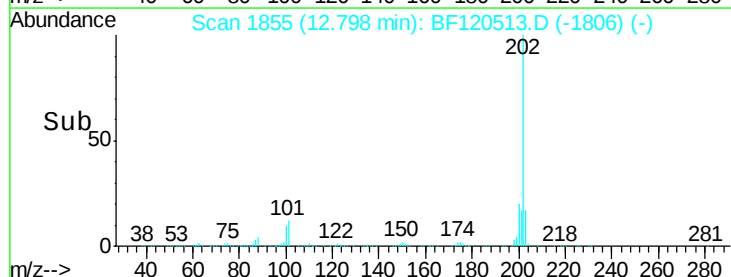
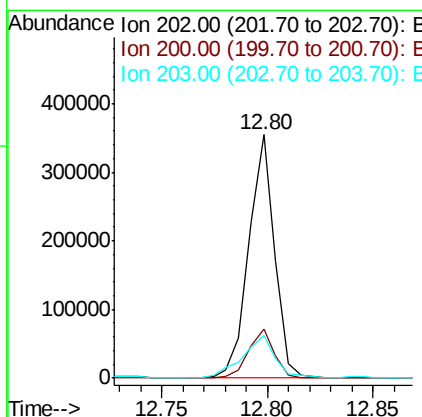
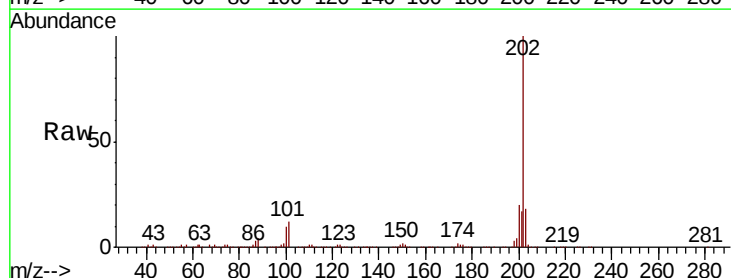
Instrument :
BNA_F
ClientSampleId :
NM27-COMP-2020-0-6

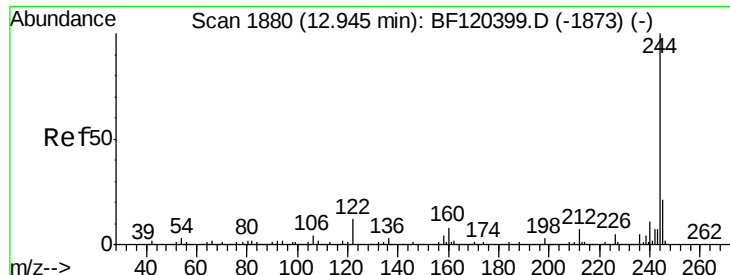
Tot Ion:240 Resp: 363369
Ion Ratio Lower Upper
240 100
120 9.1 7.9 11.9
236 25.5 21.1 31.7



#78
Pyrene
Concen: 11.937 ng
RT: 12.80 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF120513.D
Acq: 3 Jun 2020 16:57

Tgt Ion:202 Resp: 301652
Ion Ratio Lower Upper
202 100
200 20.2 17.3 25.9
203 17.5 14.5 21.7





#79

Terphenyl-d14

Concen: 85.941 ng

RT: 12.95 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BF120513.D

Acq: 3 Jun 2020 16:57

Instrument :

BNA_F

ClientSampleId :

NM27-COMP-2020-0-6

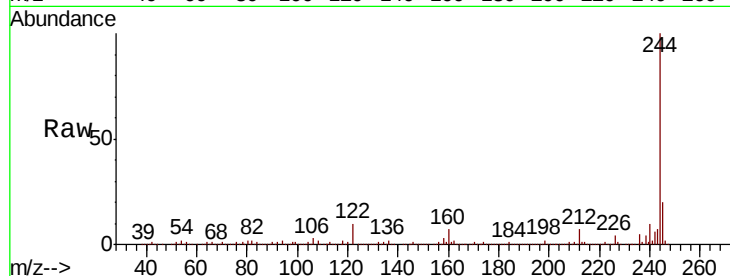
Tot Ion:244 Resp: 1403365

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

122 10.4 8.2 12.4



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

12.95

1500000

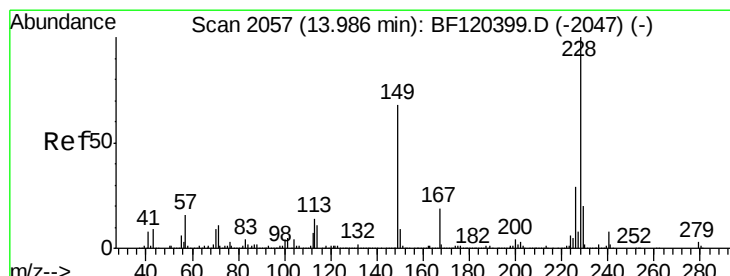
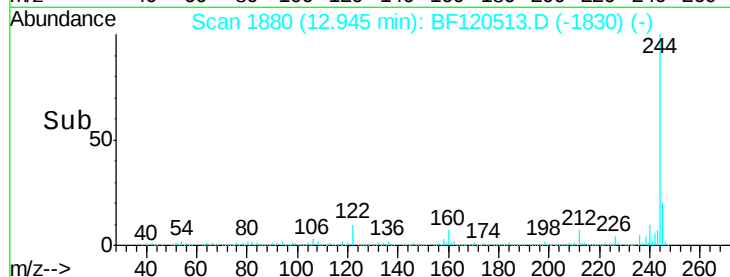
1000000

500000

0

Time-->

12.90 13.00



#81

Benzo(a)anthracene

Concen: 6.358 ng

RT: 13.99 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF120513.D

Acq: 3 Jun 2020 16:57

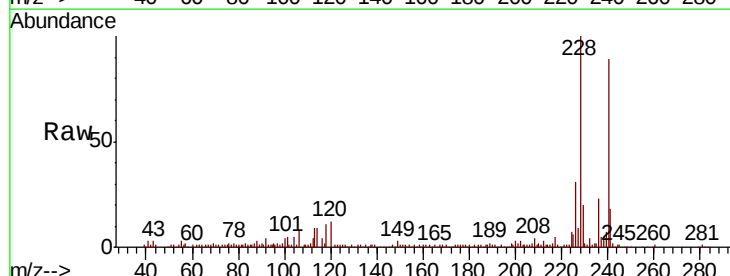
Tgt Ion:228 Resp: 123822

Ion Ratio Lower Upper

228 100

226 30.7 22.7 34.1

229 20.4 16.3 24.5



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

13.99

150000

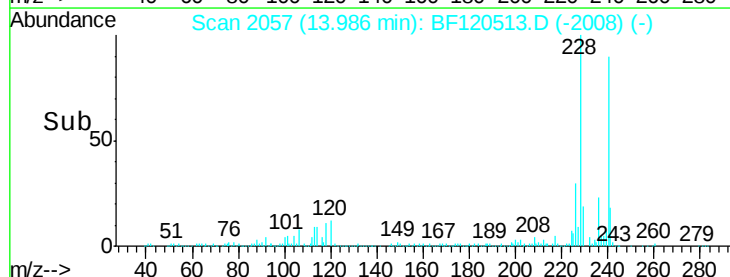
100000

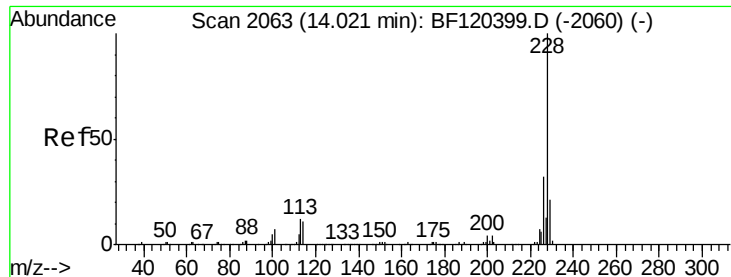
50000

0

Time-->

13.95 14.00

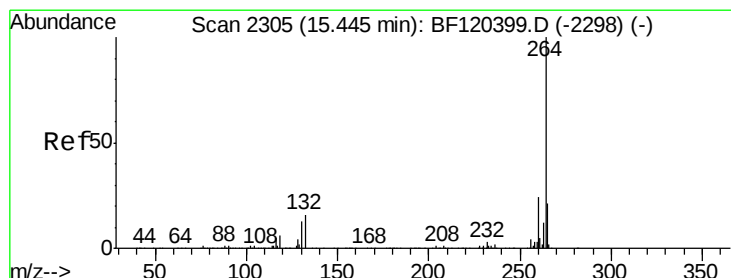
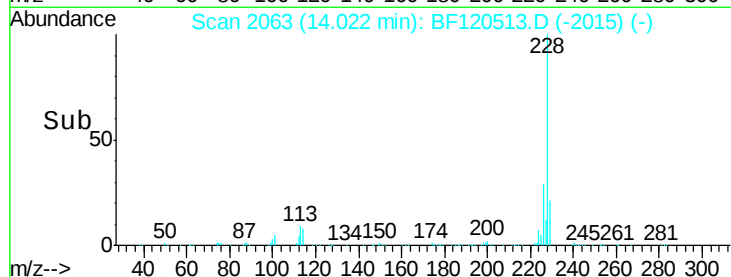
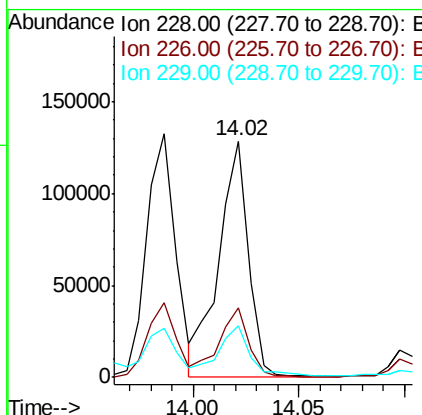
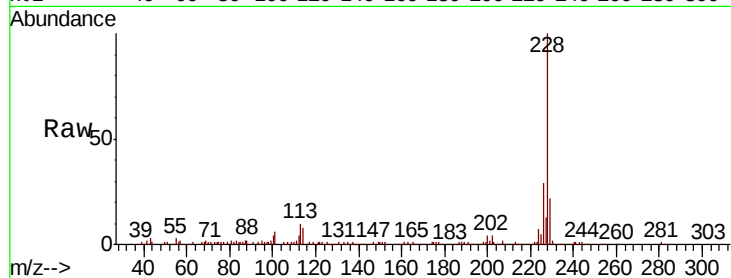




#83
Chrysene
Concen: 6.057 ng
RT: 14.02 min Scan# 2063
Delta R.T. -0.02 min
Lab File: BF120513.D
Acq: 3 Jun 2020 16:57

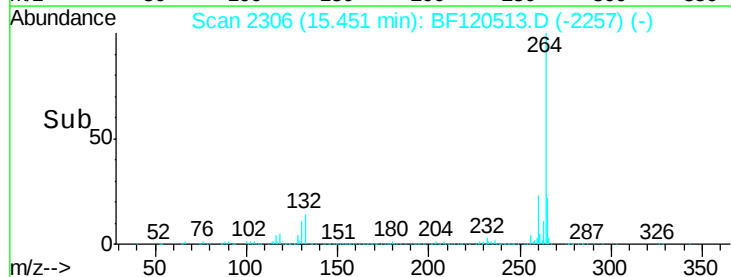
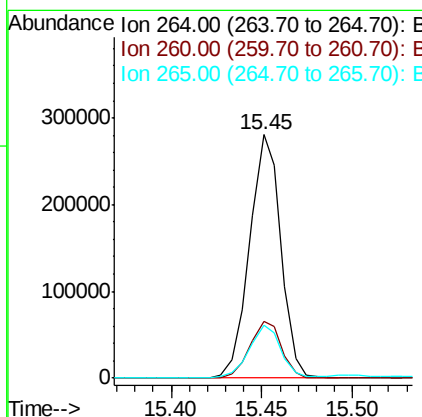
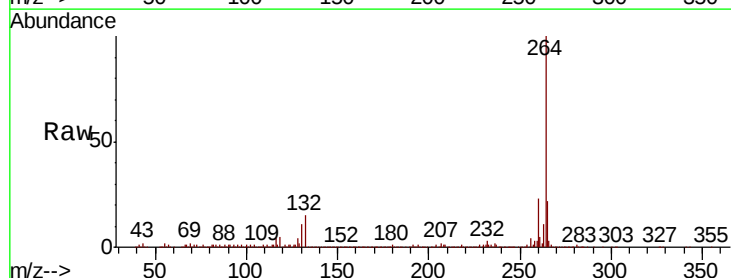
Instrument :
BNA_F
ClientSampleId :
NM27-COMP-2020-0-6

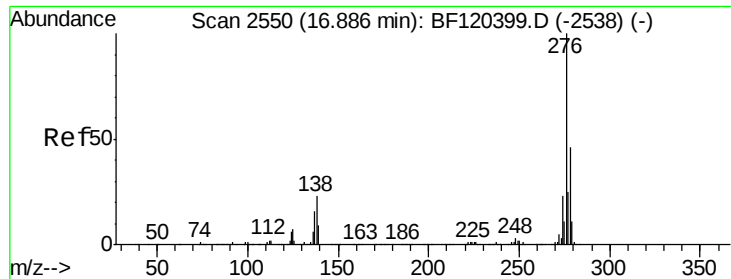
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.2	37.8
229	21.8	16.1	24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. -0.01 min
Lab File: BF120513.D
Acq: 3 Jun 2020 16:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.8	29.8
265	21.9	17.5	26.3

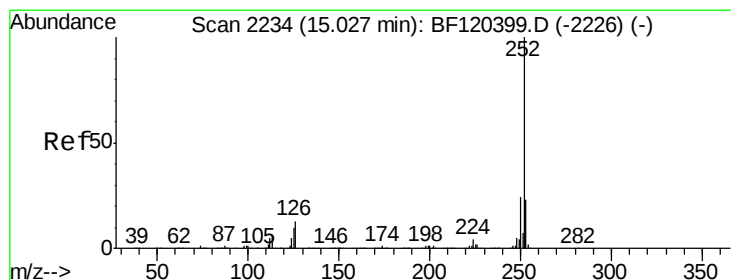
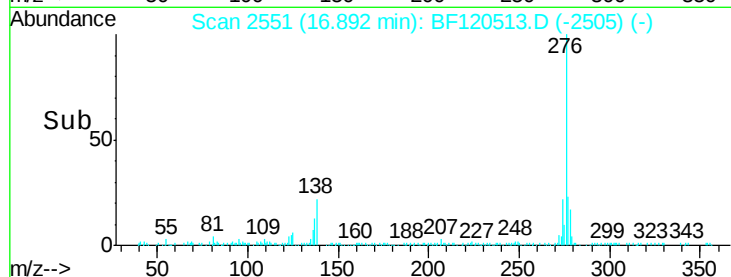
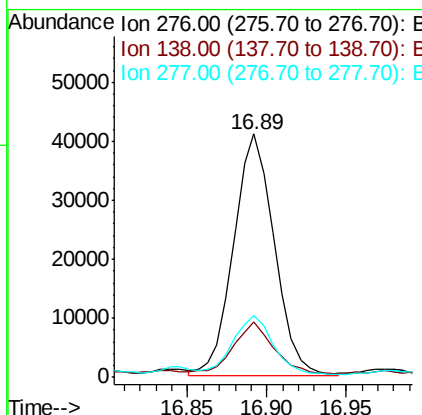
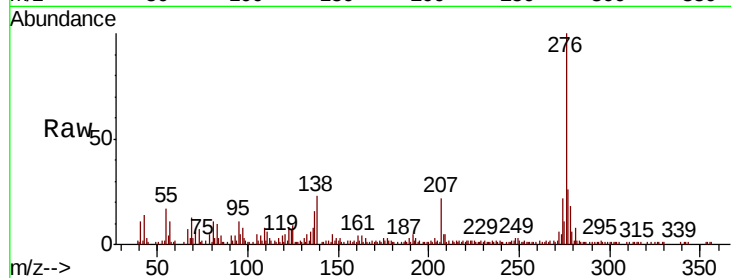




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.006 ng
 RT: 16.89 min Scan# 2551
 Delta R.T. -0.03 min
 Lab File: BF120513.D
 Acq: 3 Jun 2020 16:57

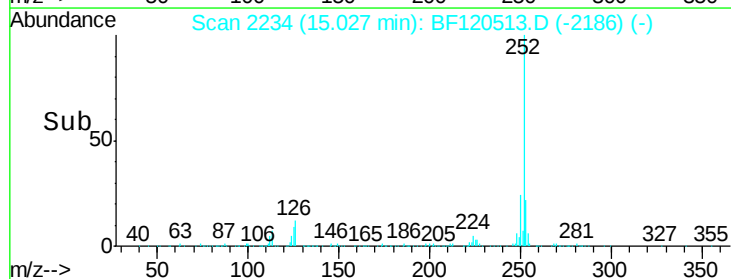
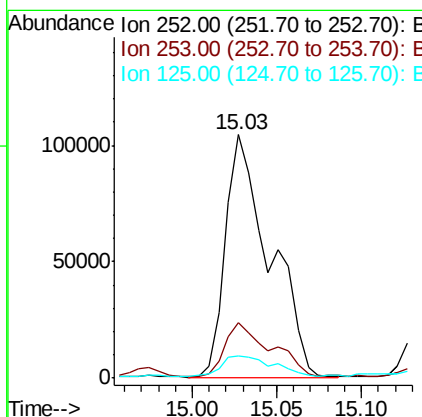
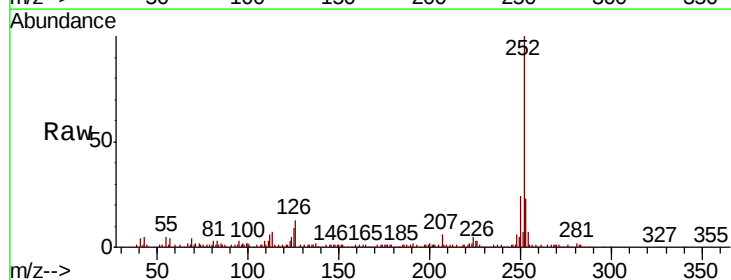
Instrument :
 BNA_F
 ClientSampleId :
 NM27-COMP-2020-0-6

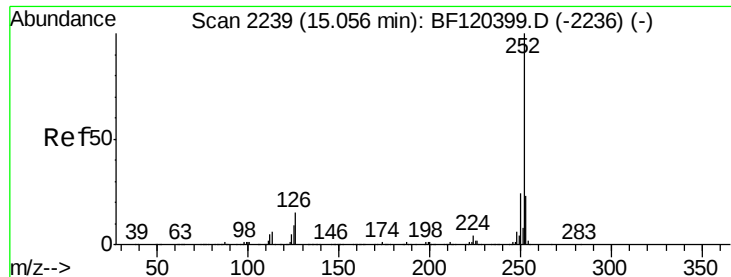
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.9	19.2	28.8
277	24.1	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 10.189 ng
 RT: 15.03 min Scan# 2234
 Delta R.T. -0.02 min
 Lab File: BF120513.D
 Acq: 3 Jun 2020 16:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	9.3	7.6	11.4

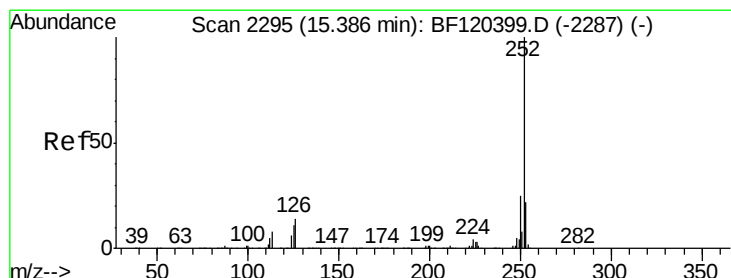
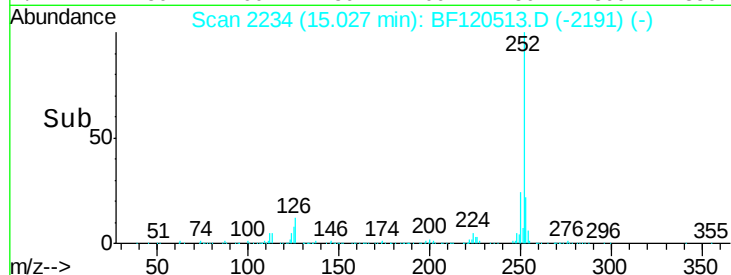
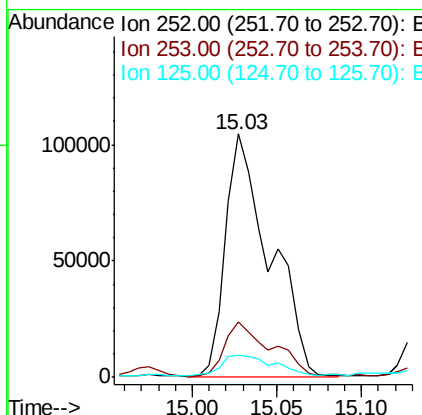
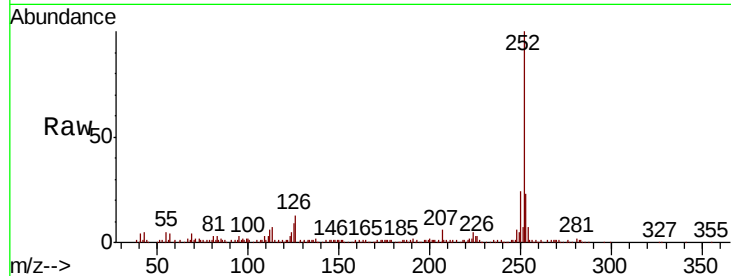




#89
Benzo(k)fluoranthene
Concen: 10.914 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.05 min
Lab File: BF120513.D
Acq: 3 Jun 2020 16:57

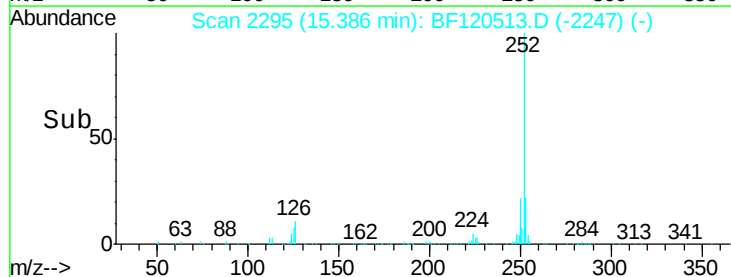
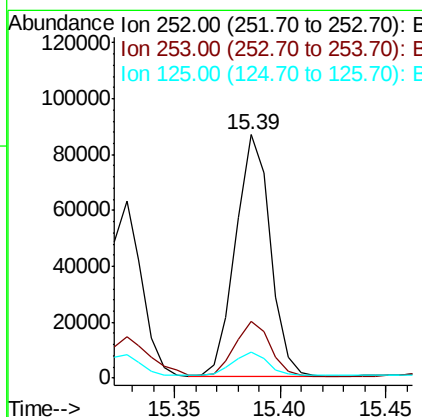
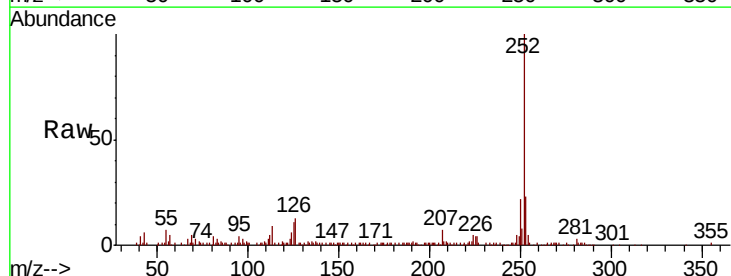
Instrument :
BNA_F
ClientSampleId :
NM27-COMP-2020-0-6

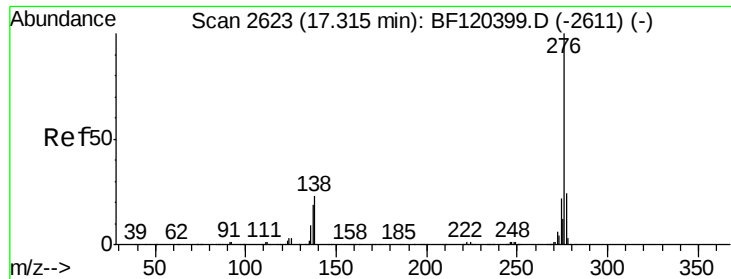
Tot Ion:252 Resp: 189289
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 9.3 7.5 11.3



#90
Benzo(a)pyrene
Concen: 6.097 ng
RT: 15.39 min Scan# 2295
Delta R.T. -0.02 min
Lab File: BF120513.D
Acq: 3 Jun 2020 16:57

Tgt Ion:252 Resp: 99087
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 10.6 9.2 13.8





#92
 Benzo(a,h,i)perylene
 Concen: 4.647 ng
 RT: 17.33 min Scan# 2625
 Delta R.T. -0.04 min
 Lab File: BF120513.D
 Acq: 3 Jun 2020 16:57

Instrument :
 BNA_F
 ClientSampleId :
 NM27-COMP-2020-0-6

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	24.5	19.4	29.2	
138	22.2	16.6	25.0	

