

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
 Data File : BF120532.D
 Acq On : 4 Jun 2020 14:39
 Operator : JU/CG
 Sample : L2839-16RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM111-COMP-2020-0-6

Quant Time: Jun 04 16:34:36 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	175810	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	519794	20.00	ng	-0.01
39) Acenaphthene-d10	9.86	164	329732	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	555109	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	408879	20.00	ng	-0.02
86) Perylene-d12	15.45	264	423353	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	873193	94.65	ng	0.00
7) Phenol-d6	6.46	99	1083066	95.25	ng	-0.01
23) Nitrobenzene-d5	7.39	82	587669	73.95	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	310301	101.57	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1291710	66.47	ng	-0.01
79) Terphenyl-d14	12.95	244	1162153	63.25	ng	0.00

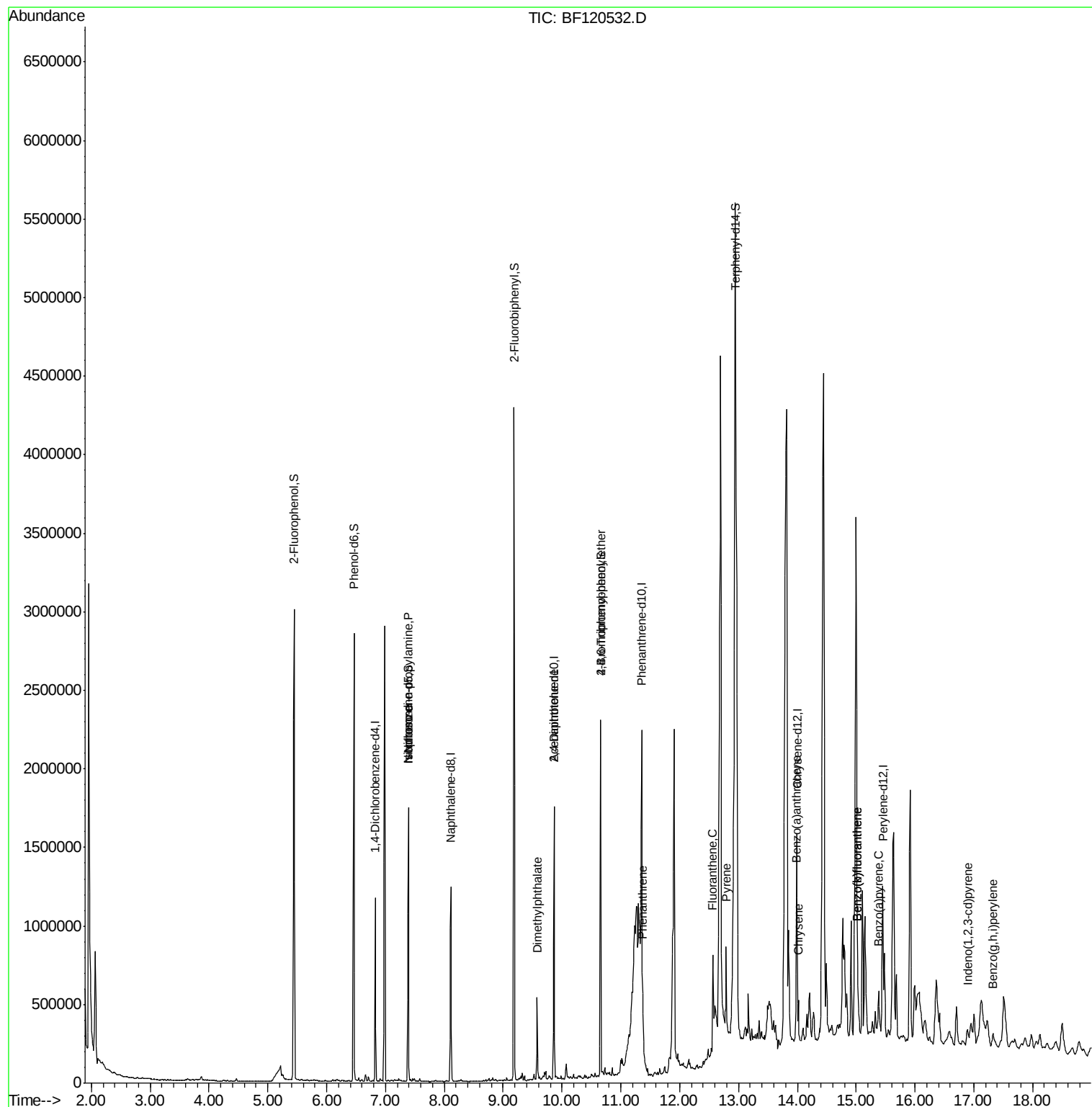
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	78970	10.926	ng	# 79
25) Isophorone	7.39	82	584538	36.600	ng	# 64
50) Dimethylphthalate	9.58	163	203762	9.885	ng	100
57) 2,4-Dinitrotoluene	9.86	165	42793	7.299	ng	# 26
67) 4-Bromophenyl-phenylether	10.66	248	18123	3.234	ng	# 1
71) Phenanthrene	11.37	178	82272	3.364	ng	97
75) Fluoranthene	12.56	202	213025	8.094	ng	98
78) Pyrene	12.79	202	217512	7.649	ng	98
81) Benzo(a)anthracene	13.98	228	102336	4.670	ng	96
83) Chrysene	14.02	228	98956	4.307	ng	97
87) Indeno(1,2,3-cd)pyrene	16.89	276	70355	3.038	ng	94
88) Benzo(b)fluoranthene	15.03	252	188945	8.035	ng	# 97
89) Benzo(k)fluoranthene	15.03	252	188945	8.607	ng	# 96
90) Benzo(a)pyrene	15.39	252	96239	4.679	ng	99
92) Benzo(a,h,i)perylene	17.32	276	69996	3.759	ng	99

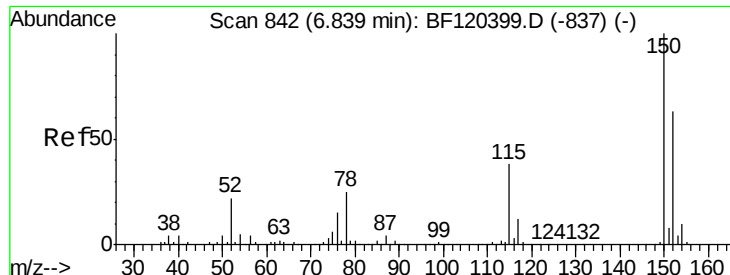
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120532.D
Acq On : 4 Jun 2020 14:39
Operator : JU/CG
Sample : L2839-16RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM111-COMP-2020-0-6

Quant Time: Jun 04 16:34:36 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



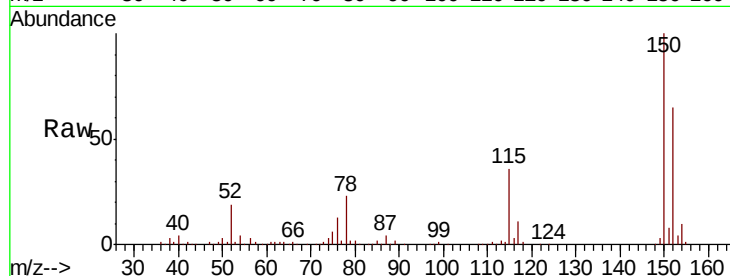


#1

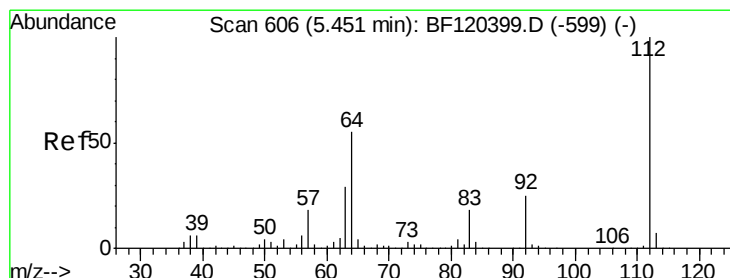
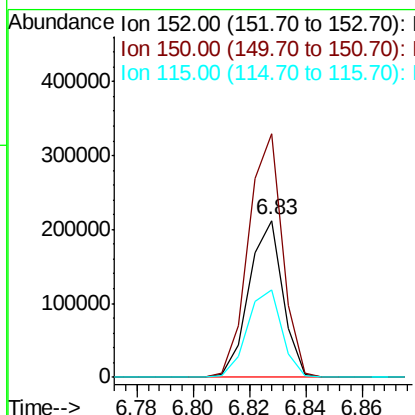
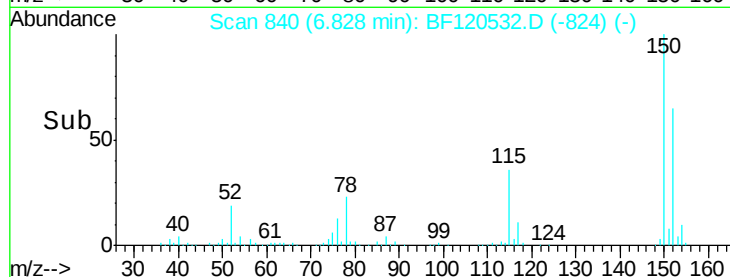
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF120532.D
Acq: 4 Jun 2020 14:39

Instrument :
BNA_F
ClientSampleId :
NM111-COMP-2020-0-6

Tot Ion:152 Resp: 175810
Ion Ratio Lower Upper
152 100
150 154.9 127.1 190.7
115 55.6 48.7 73.1



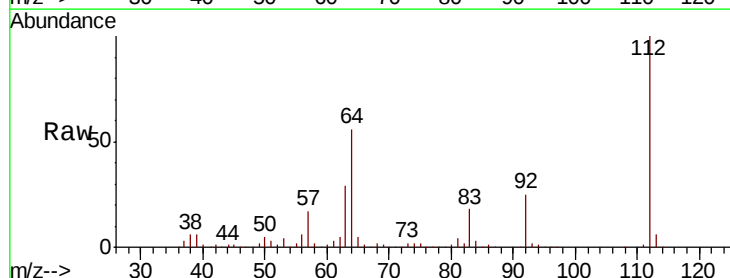
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



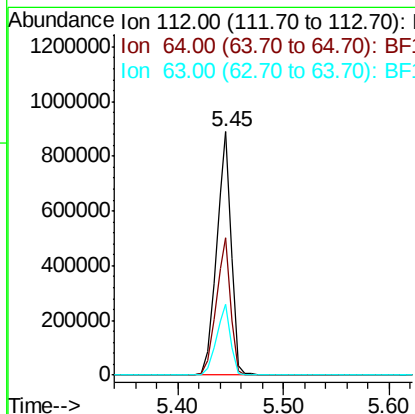
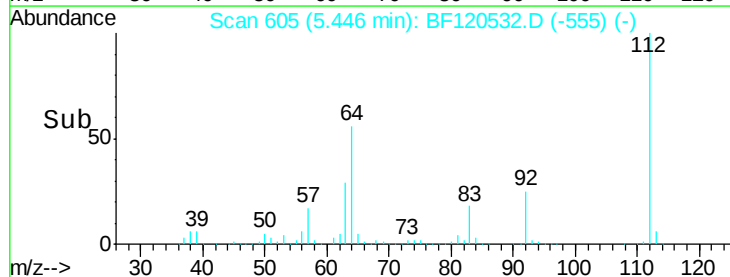
#5

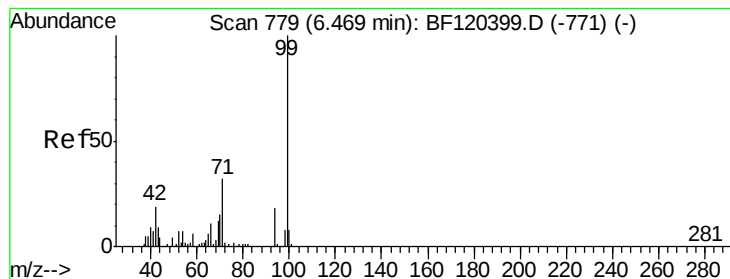
2-Fluorophenol
Concen: 94.652 ng
RT: 5.45 min Scan# 605
Delta R.T. -0.01 min
Lab File: BF120532.D
Acq: 4 Jun 2020 14:39

Tgt Ion:112 Resp: 873193
Ion Ratio Lower Upper
112 100
64 56.3 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: 95.250 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120532.D

Acq: 4 Jun 2020 14:39

Instrument :

BNA_F

ClientSampleId :

NM111-COMP-2020-0-6

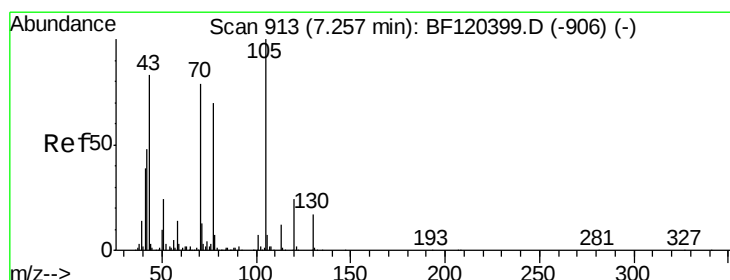
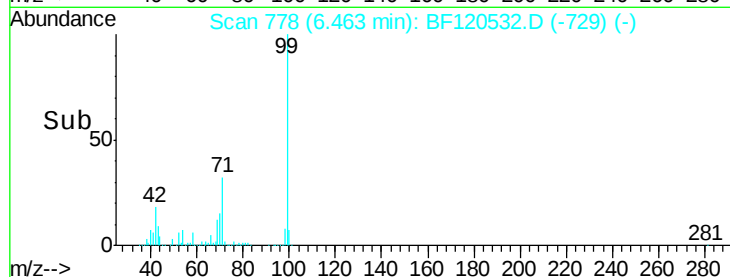
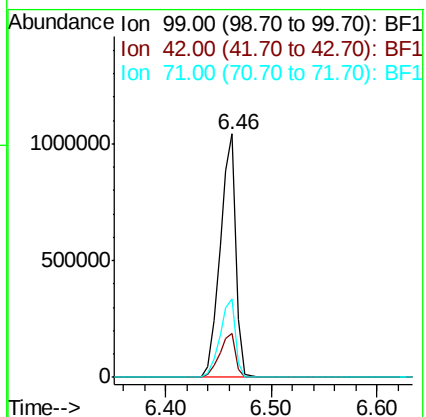
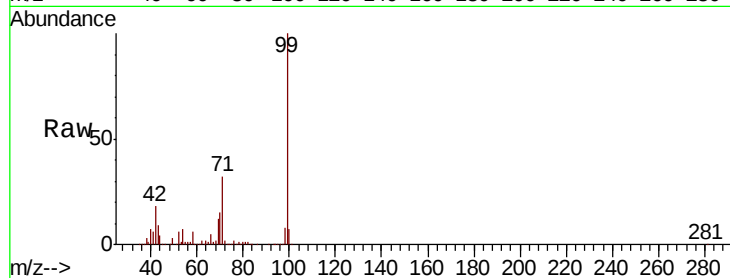
Tot Ion: 99 Resp: 1083066

Ion Ratio Lower Upper

99 100

42 17.8 15.0 22.4

71 32.1 26.3 39.5



#19

n-Nitroso-di-n-propylamine

Concen: 10.926 ng

RT: 7.39 min Scan# 935

Delta R.T. 0.13 min

Lab File: BF120532.D

Acq: 4 Jun 2020 14:39

Tgt Ion: 70 Resp: 78970

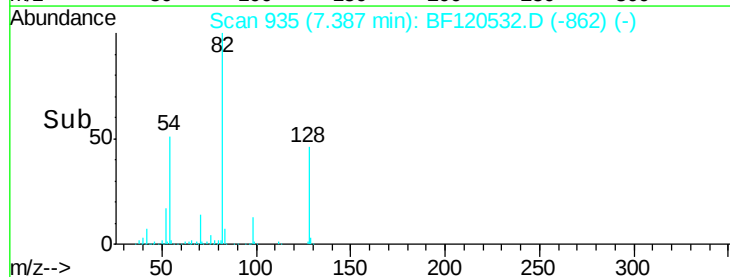
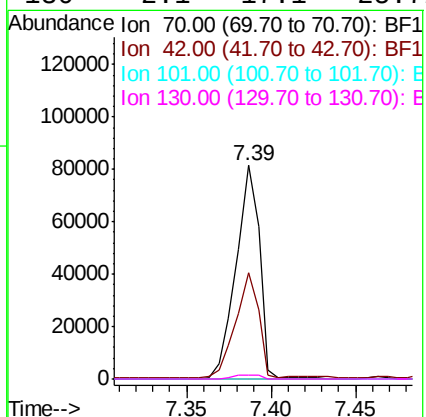
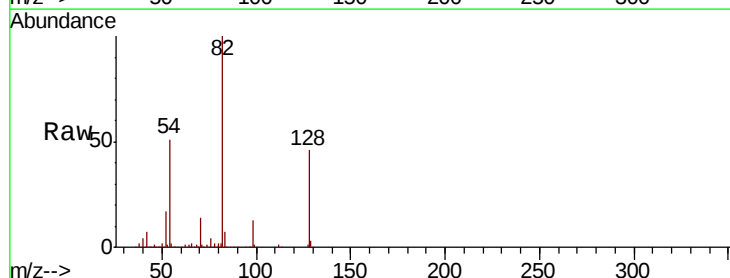
Ion Ratio Lower Upper

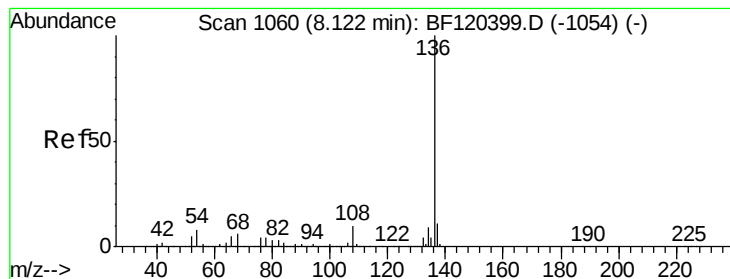
70 100

42 49.9 47.6 71.4

101 0.0 7.4 11.0#

130 2.1 17.1 25.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BF120532.D

Acq: 4 Jun 2020 14:39

Instrument :

BNA_F

ClientSampleId :

NM111-COMP-2020-0-6

Tot Ion:136 Resp: 519794

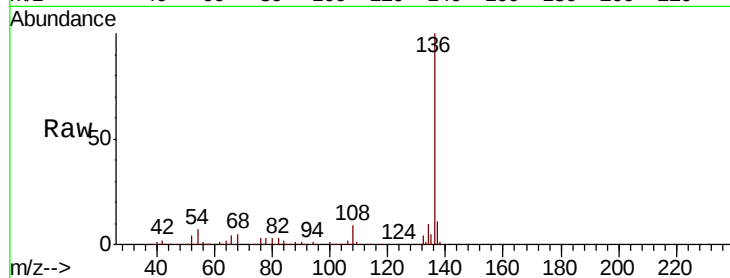
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 6.6 6.0 9.0

68 4.7 4.8 7.2#

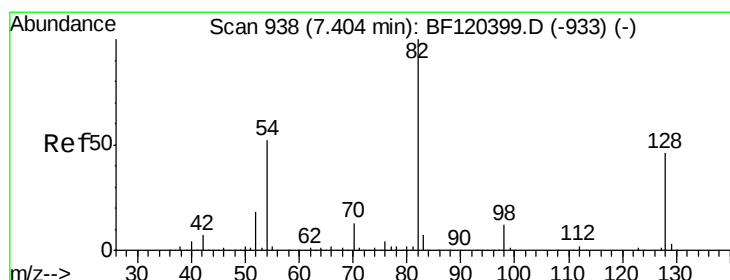
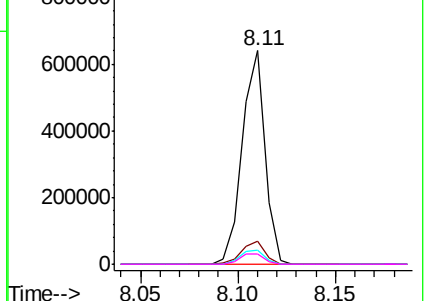
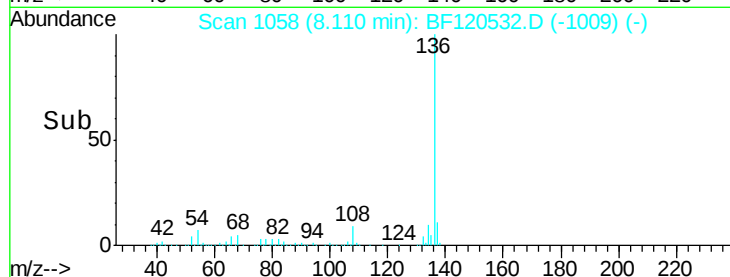


Abundance Ion 136.00 (135.70 to 136.70): E

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: 73.955 ng

RT: 7.39 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF120532.D

Acq: 4 Jun 2020 14:39

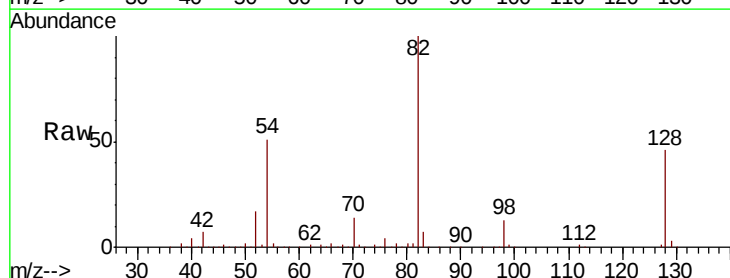
Tgt Ion: 82 Resp: 587669

Ion Ratio Lower Upper

82 100

128 46.1 37.4 56.0

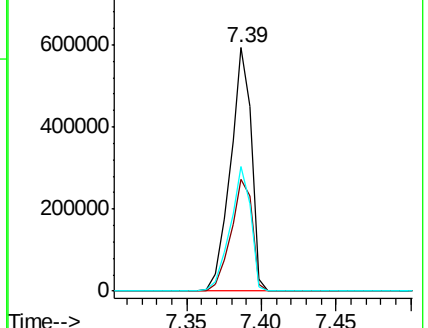
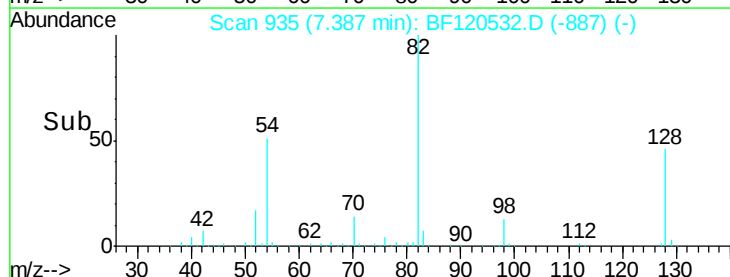
54 51.1 40.7 61.1

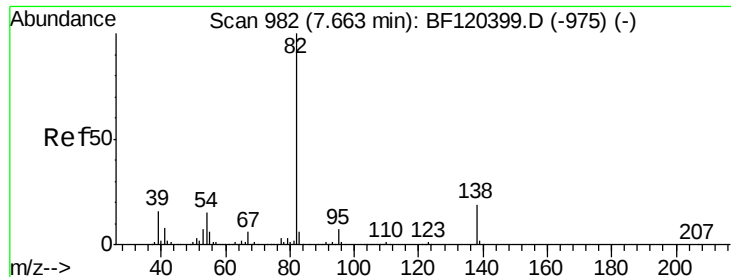


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.600 ng

RT: 7.39 min Scan# 935

Delta R.T. -0.28 min

Lab File: BF120532.D

Acq: 4 Jun 2020 14:39

Instrument :

BNA_F

ClientSampleId :

NM111-COMP-2020-0-6

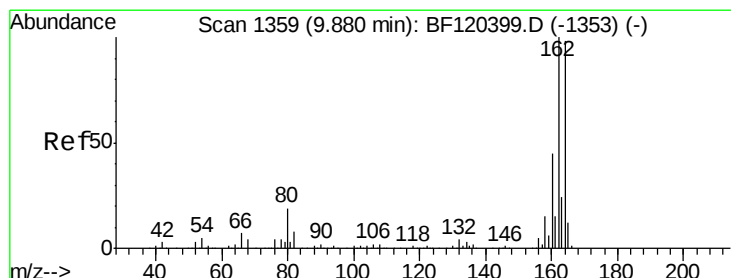
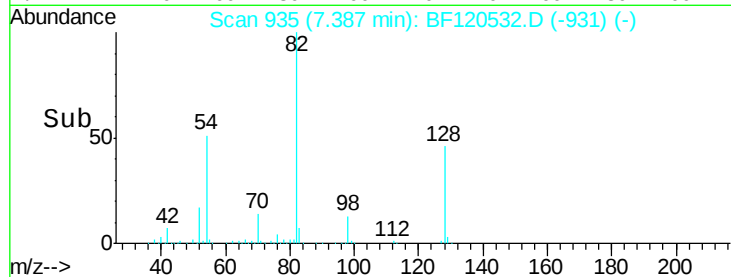
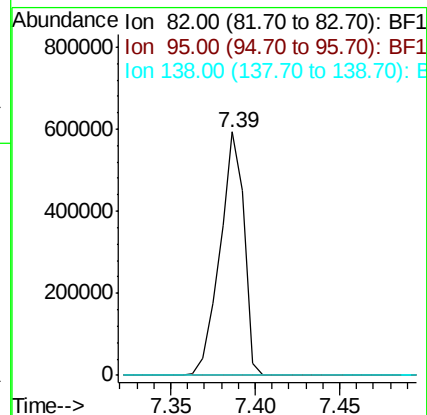
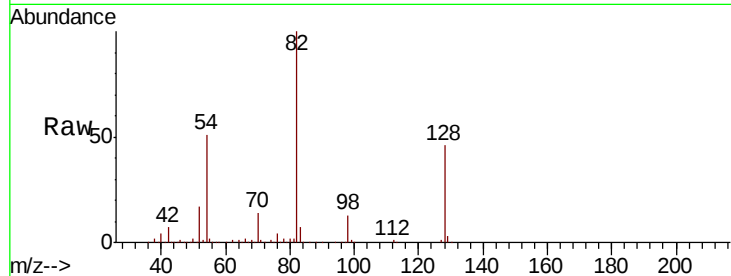
Tot Ion: 82 Resp: 584538

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 15.0 22.6#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1356

Delta R.T. -0.02 min

Lab File: BF120532.D

Acq: 4 Jun 2020 14:39

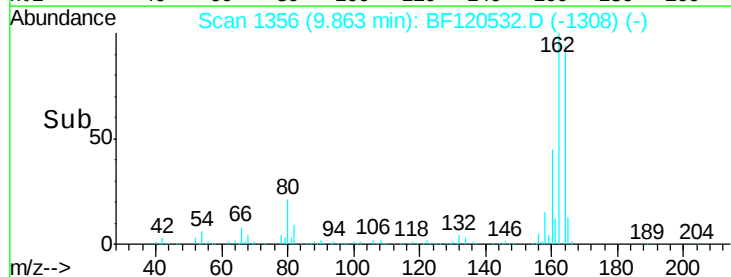
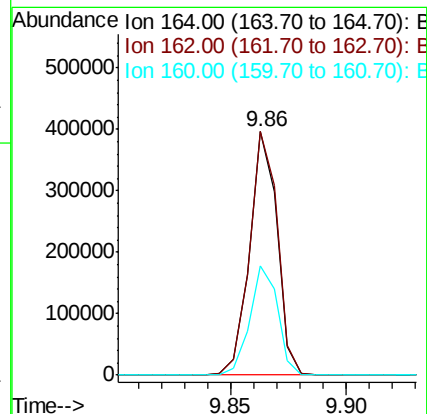
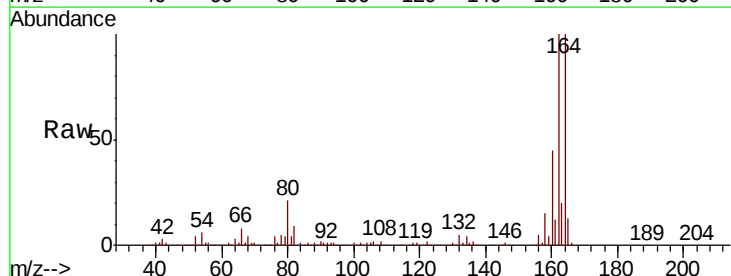
Tgt Ion: 164 Resp: 329732

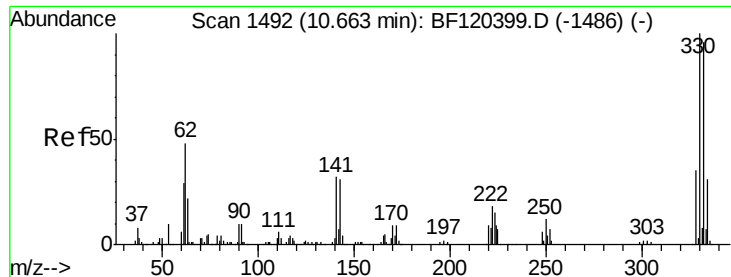
Ion Ratio Lower Upper

164 100

162 100.2 81.8 122.6

160 44.8 37.3 55.9

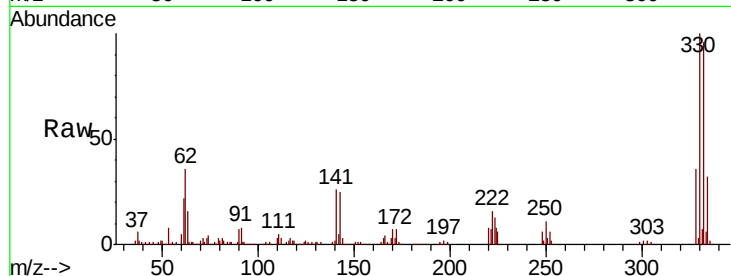




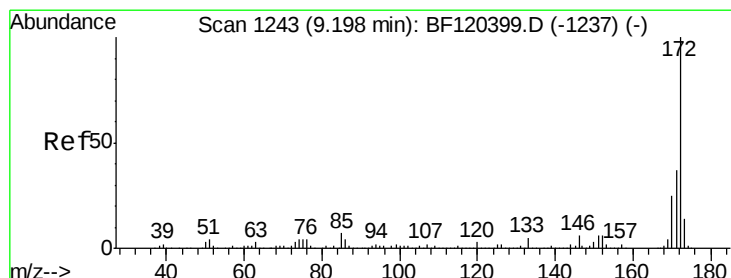
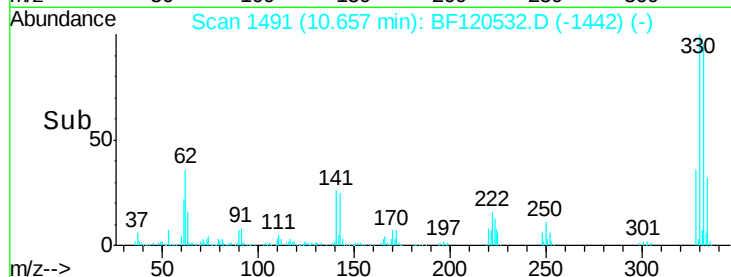
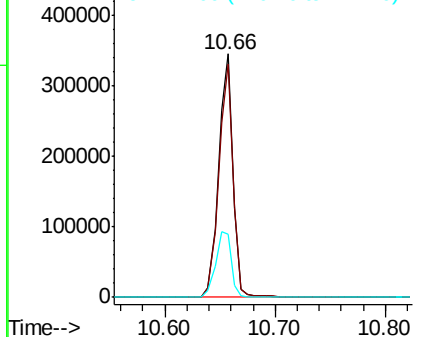
#42
 2,4,6-Tribromophenol
 Concen: 101.568 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120532.D
 Acq: 4 Jun 2020 14:39

Instrument :
 BNA_F
 ClientSampleId :
 NM111-COMP-2020-0-6

Tot Ion:330 Resp: 310301
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.4 116.2
 141 30.2 23.5 35.3

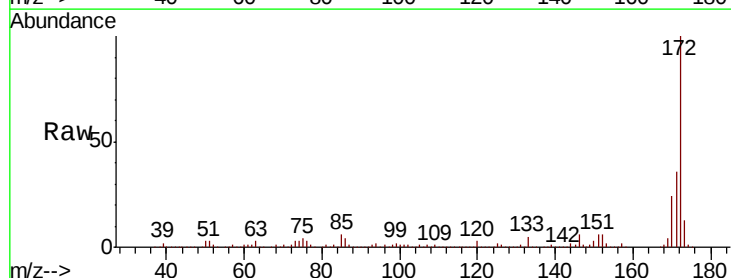


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

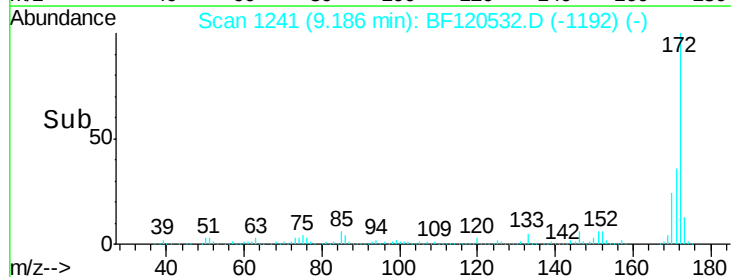
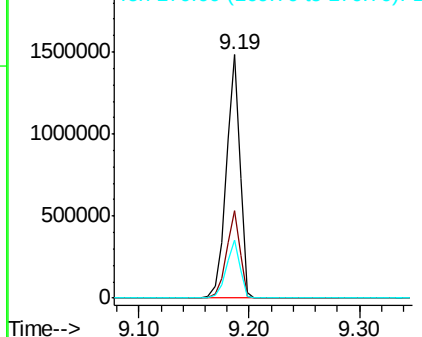


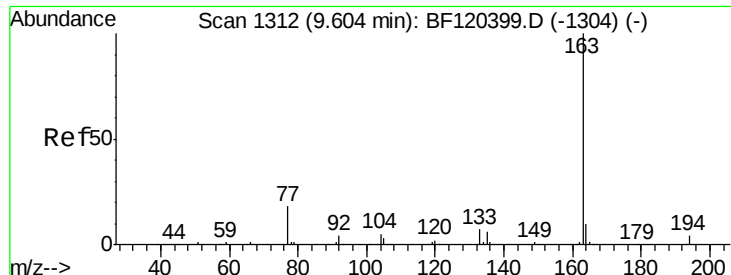
#45
 2-Fluorobiphenyl
 Concen: 66.467 ng
 RT: 9.19 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: BF120532.D
 Acq: 4 Jun 2020 14:39

Tgt Ion:172 Resp: 1291710
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.2 43.8
 170 23.9 20.1 30.1



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

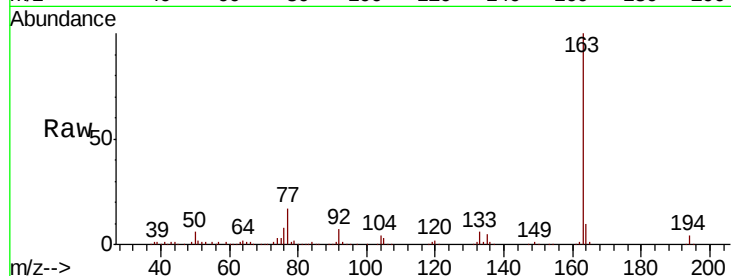




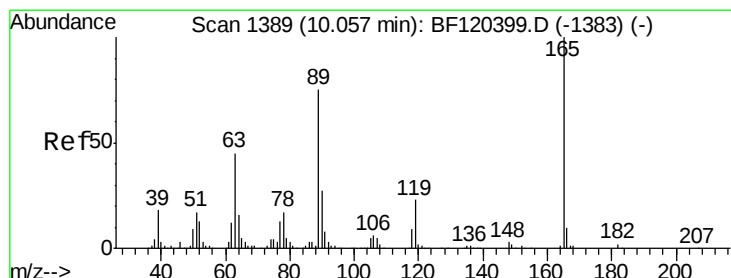
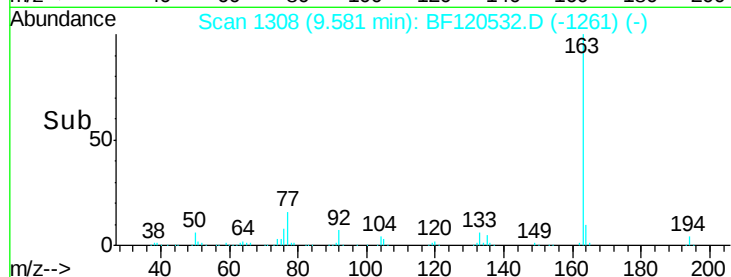
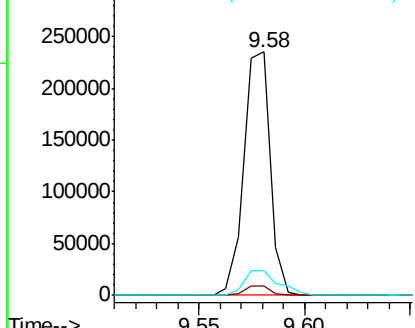
#50
Dimethylphthalate
Concen: 9.885 ng
RT: 9.58 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF120532.D
Acq: 4 Jun 2020 14:39

Instrument :
BNA_F
ClientSampleId :
NM111-COMP-2020-0-6

Tot Ion:163 Resp: 203762
Ion Ratio Lower Upper
163 100
194 3.7 3.1 4.7
164 10.3 8.2 12.4

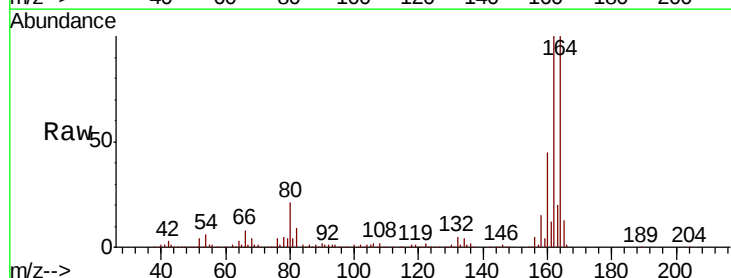


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

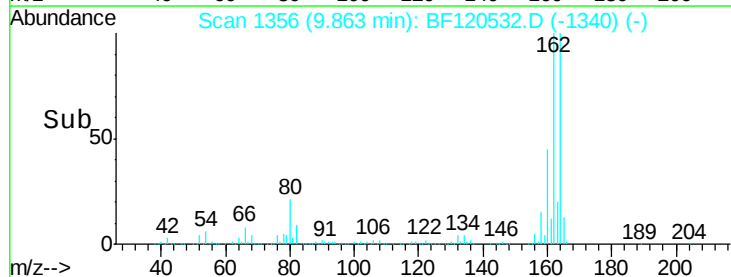
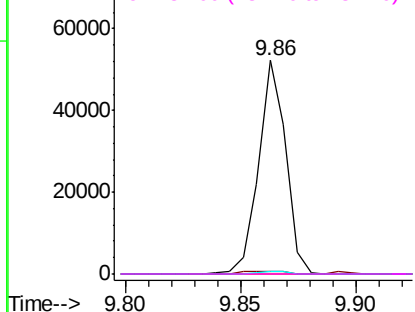


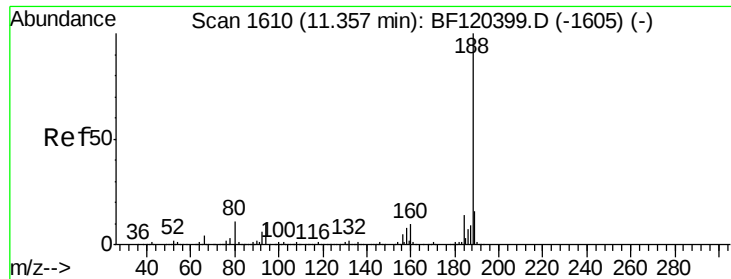
#57
2,4-Dinitrotoluene
Concen: 7.299 ng
RT: 9.86 min Scan# 1356
Delta R.T. -0.21 min
Lab File: BF120532.D
Acq: 4 Jun 2020 14:39

Tgt Ion:165 Resp: 42793
Ion Ratio Lower Upper
165 100
63 1.4 33.4 50.0#
89 1.5 54.7 82.1#
182 0.0 2.1 3.1#



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

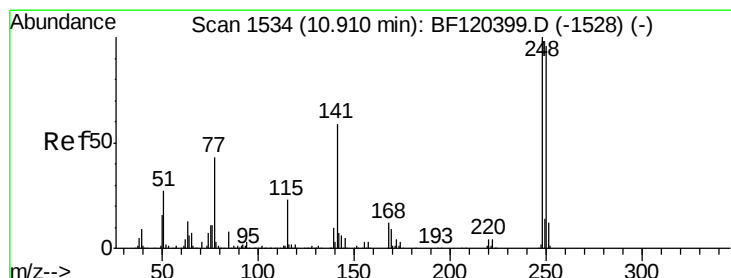
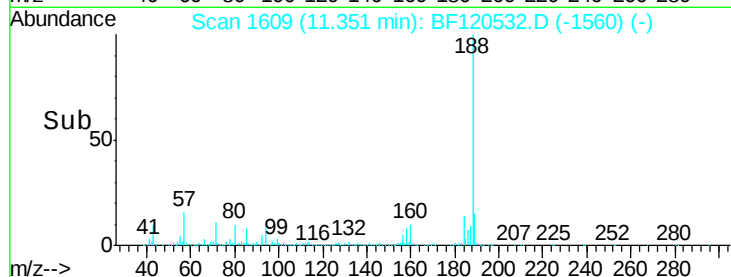
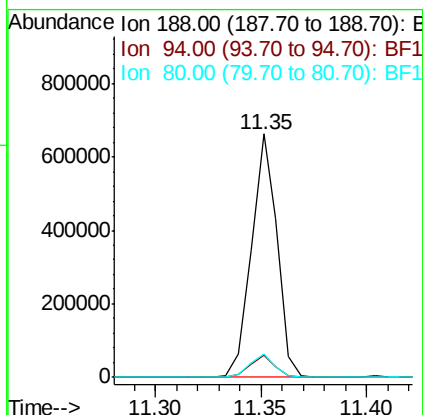
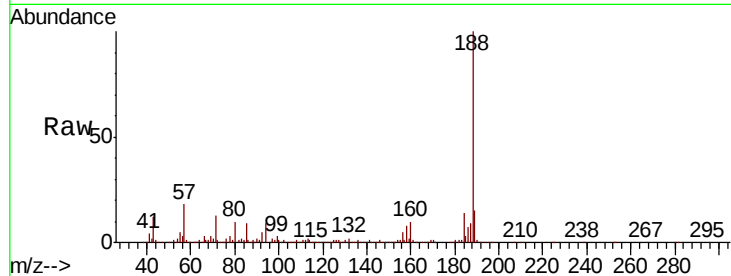




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1609
Delta R.T. -0.01 min
Lab File: BF120532.D
Acq: 4 Jun 2020 14:39

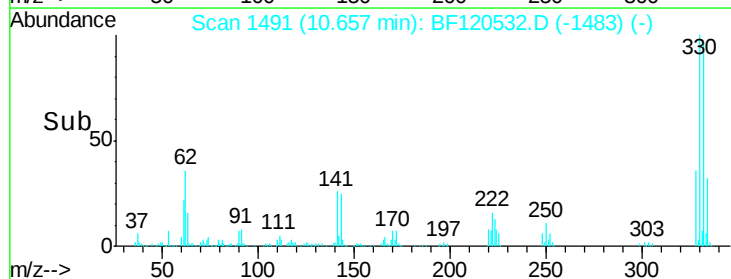
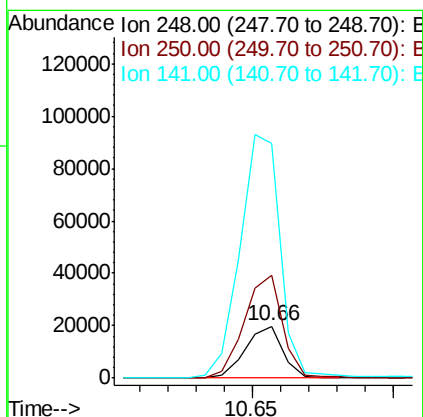
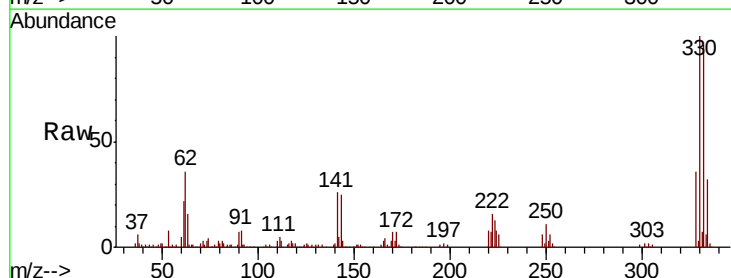
Instrument :
BNA_F
ClientSampleId :
NM111-COMP-2020-0-6

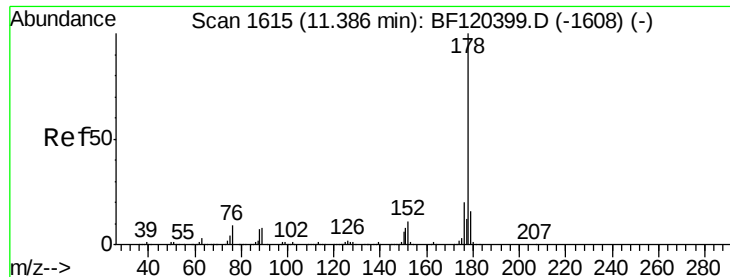
Tot Ion:188 Resp: 555109
Ion Ratio Lower Upper
188 100
94 9.2 7.5 11.3
80 9.8 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 3.234 ng
RT: 10.66 min Scan# 1491
Delta R.T. -0.25 min
Lab File: BF120532.D
Acq: 4 Jun 2020 14:39

Tgt Ion:248 Resp: 18123
Ion Ratio Lower Upper
248 100
250 198.0 78.0 117.0#
141 454.0 50.3 75.5#





#71

Phenanthrene

Concen: 3.364 ng

RT: 11.37 min Scan# 1613

Delta R.T. -0.02 min

Lab File: BF120532.D

Acq: 4 Jun 2020 14:39

Instrument :

BNA_F

ClientSampleId :

NM111-COMP-2020-0-6

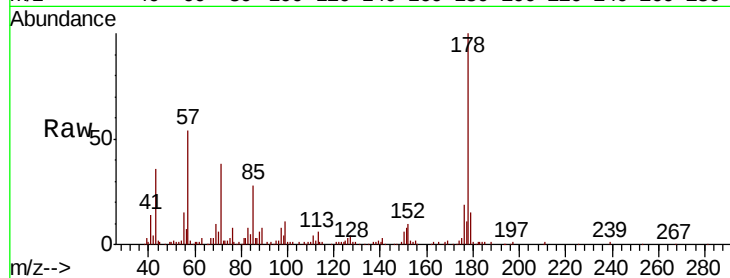
Tot Ion:178 Resp: 82272

Ion Ratio Lower Upper

178 100

176 19.4 16.6 24.8

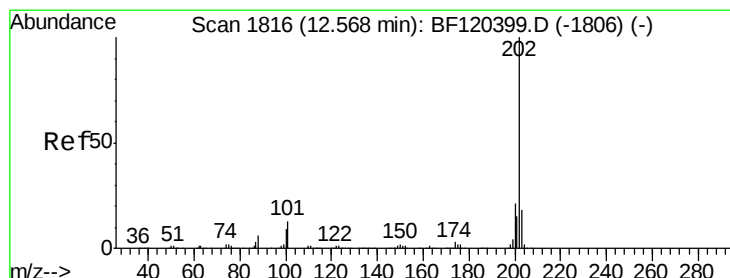
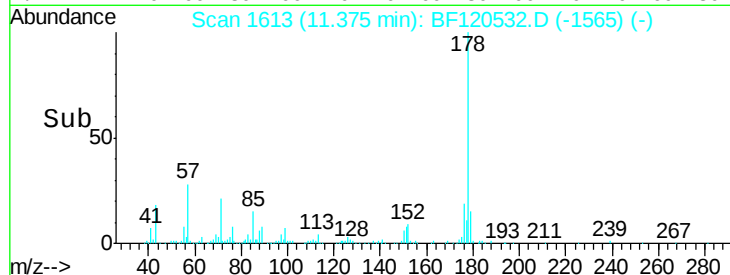
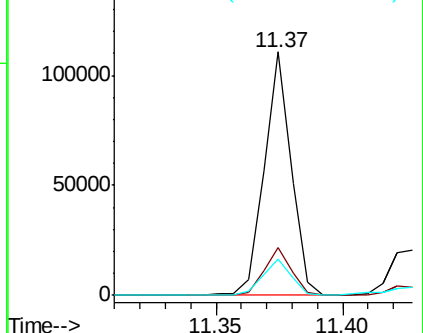
179 15.0 13.0 19.4



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: 8.094 ng

RT: 12.56 min Scan# 1815

Delta R.T. -0.02 min

Lab File: BF120532.D

Acq: 4 Jun 2020 14:39

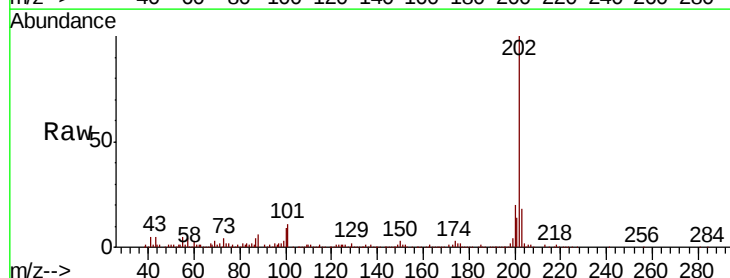
Tgt Ion:202 Resp: 213025

Ion Ratio Lower Upper

202 100

101 11.3 0.0 30.4

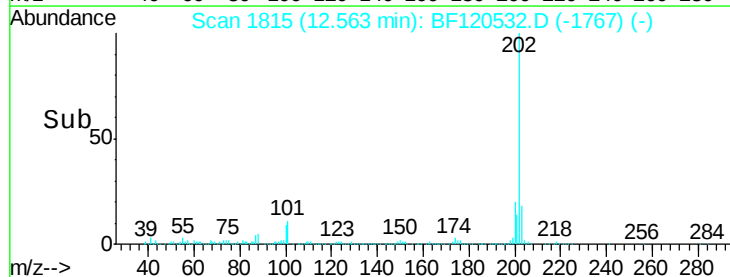
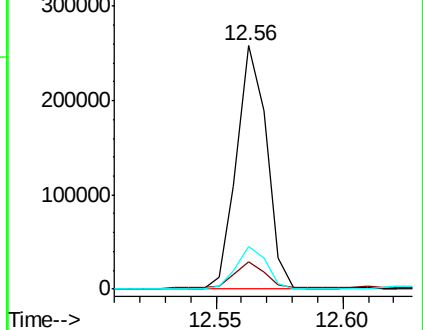
203 17.6 0.0 38.2

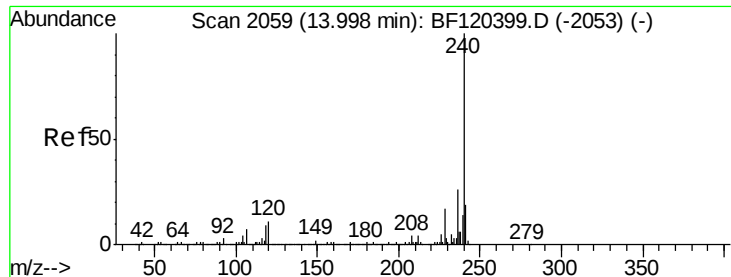


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.99 min Scan# 2058

Delta R.T. -0.02 min

Lab File: BF120532.D

Acq: 4 Jun 2020 14:39

Instrument :

BNA_F

ClientSampleId :

NM111-COMP-2020-0-6

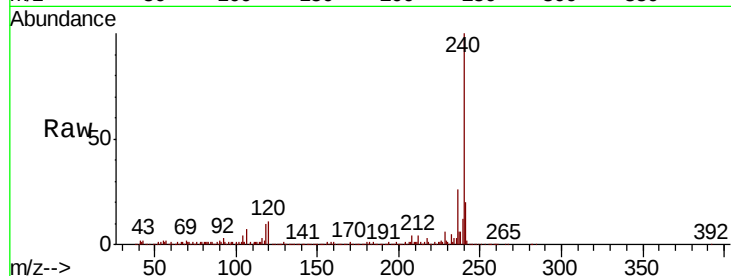
Tot Ion:240 Resp: 408879

Ion Ratio Lower Upper

240 100

120 11.2 7.9 11.9

236 26.0 21.1 31.7



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

600000

500000

400000

300000

200000

100000

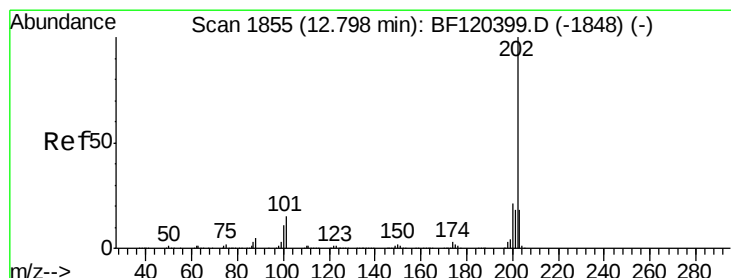
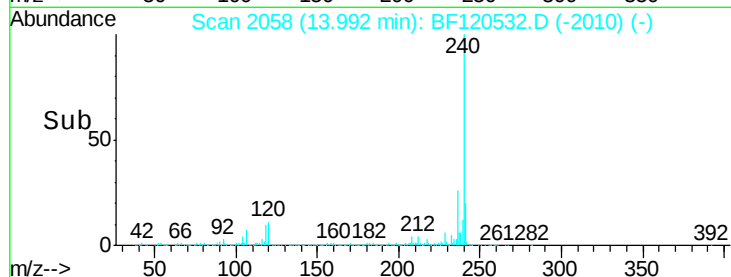
0

13.99

14.00

14.10

Time-->



#78

Pyrene

Concen: 7.649 ng

RT: 12.79 min Scan# 1854

Delta R.T. -0.02 min

Lab File: BF120532.D

Acq: 4 Jun 2020 14:39

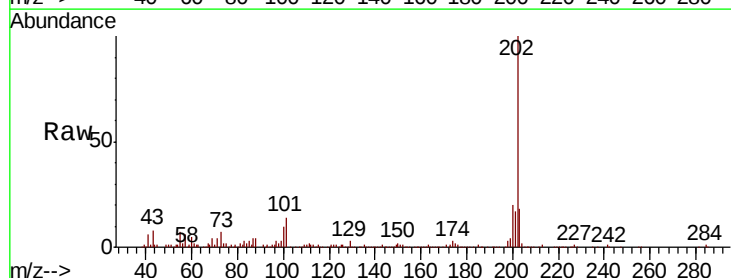
Tgt Ion:202 Resp: 217512

Ion Ratio Lower Upper

202 100

200 19.6 17.3 25.9

203 18.1 14.5 21.7



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

300000

200000

100000

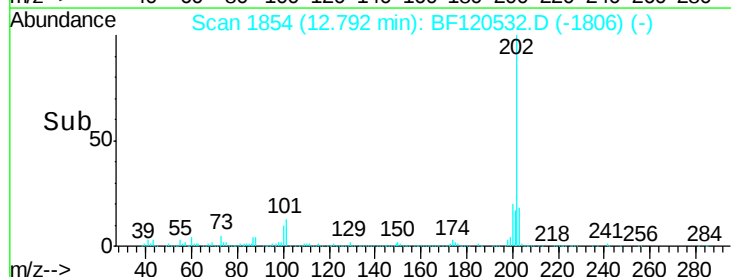
0

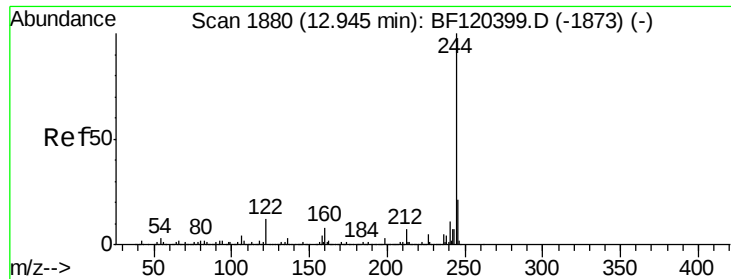
12.79

12.80

12.85

Time-->





#79

Terphenyl-d14

Concen: 63.248 ng

RT: 12.95 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BF120532.D

Acq: 4 Jun 2020 14:39

Instrument :

BNA_F

ClientSampleId :

NM111-COMP-2020-0-6

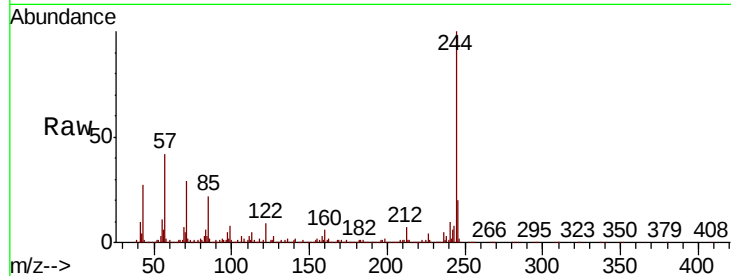
Tot Ion:244 Resp: 1162153

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

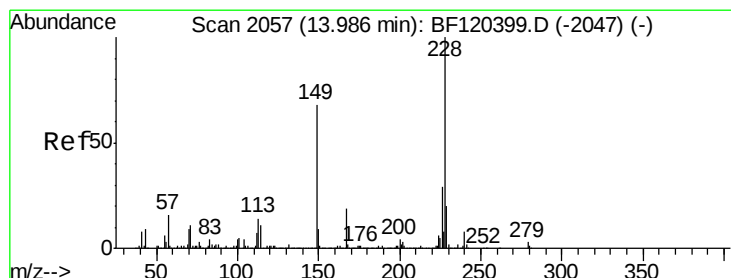
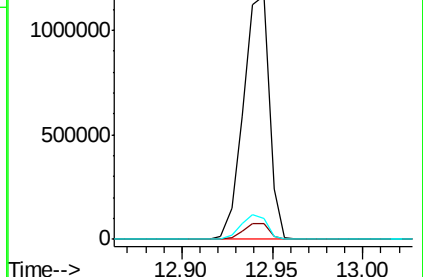
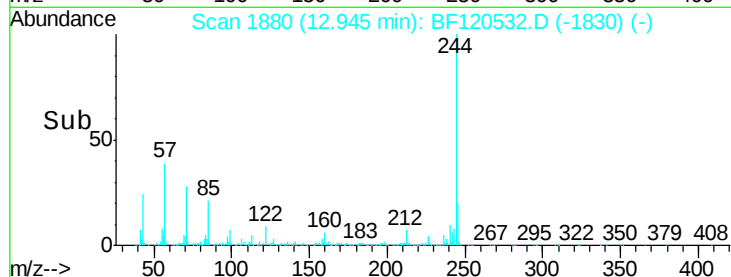
122 8.7 8.2 12.4



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



#81

Benzo(a)anthracene

Concen: 4.670 ng

RT: 13.98 min Scan# 2056

Delta R.T. -0.02 min

Lab File: BF120532.D

Acq: 4 Jun 2020 14:39

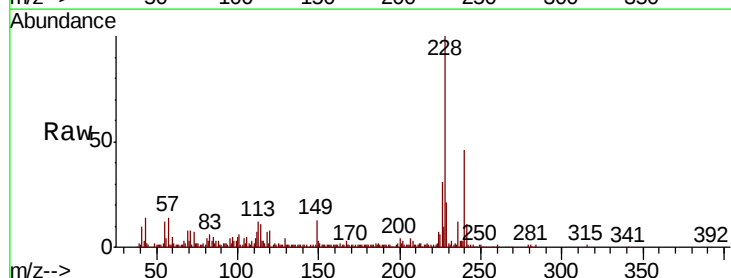
Tgt Ion:228 Resp: 102336

Ion Ratio Lower Upper

228 100

226 31.4 22.7 34.1

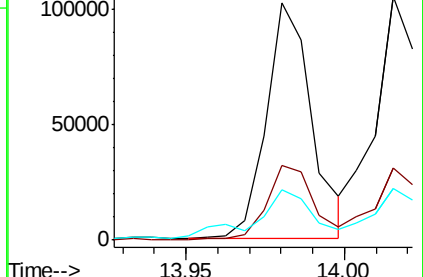
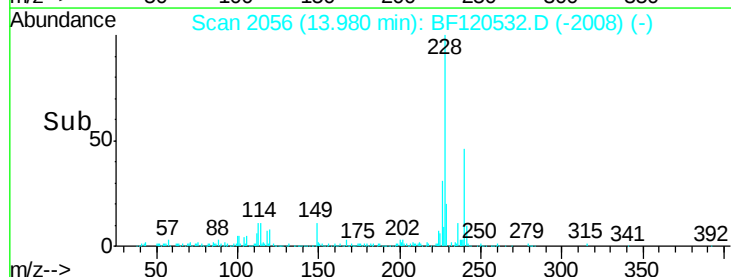
229 21.0 16.3 24.5

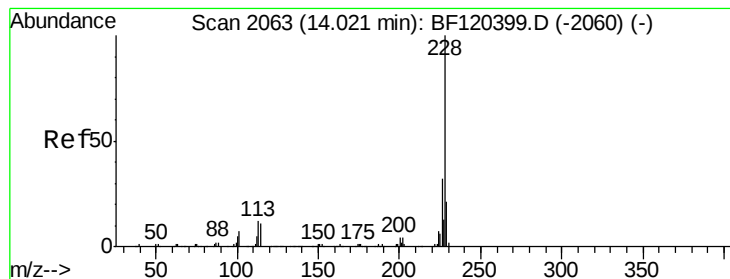


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.307 ng

RT: 14.02 min Scan# 2062

Delta R.T. -0.02 min

Lab File: BF120532.D

Acq: 4 Jun 2020 14:39

Instrument :

BNA_F

ClientSampleId :

NM111-COMP-2020-0-6

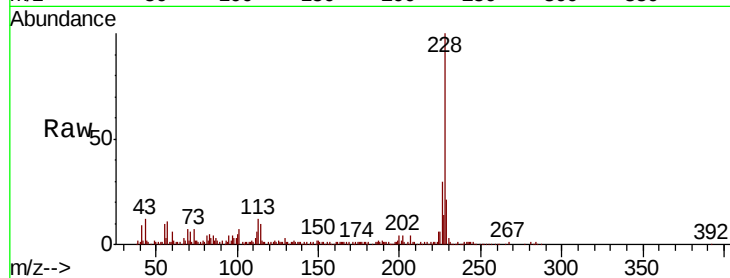
Tot Ion:228 Resp: 98956

Ion Ratio Lower Upper

228 100

226 29.6 25.2 37.8

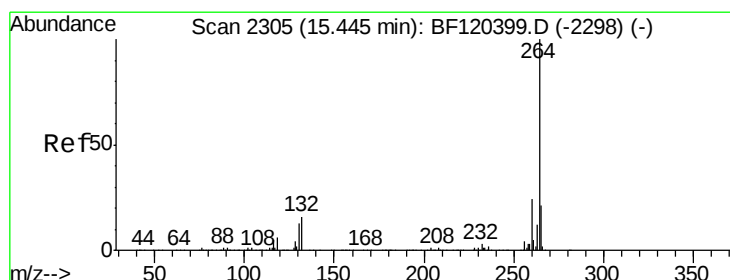
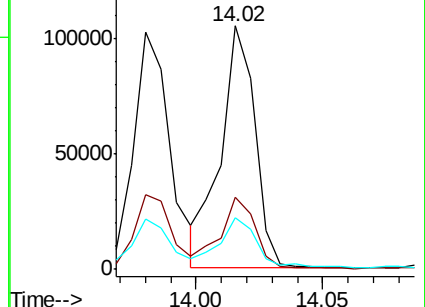
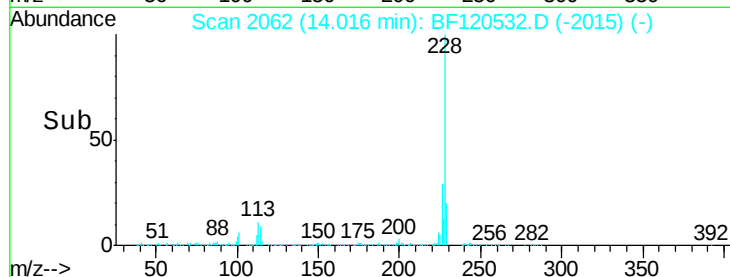
229 21.0 16.1 24.1



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2306

Delta R.T. -0.01 min

Lab File: BF120532.D

Acq: 4 Jun 2020 14:39

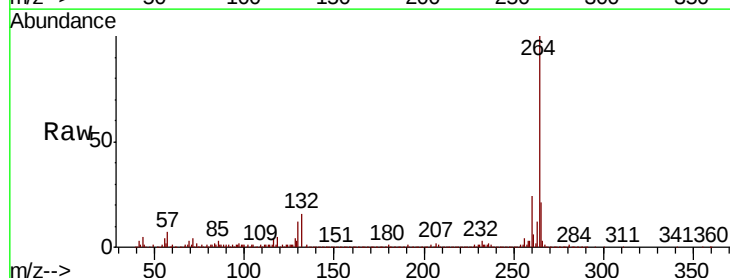
Tgt Ion:264 Resp: 423353

Ion Ratio Lower Upper

264 100

260 24.1 19.8 29.8

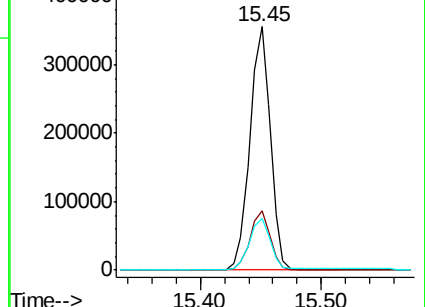
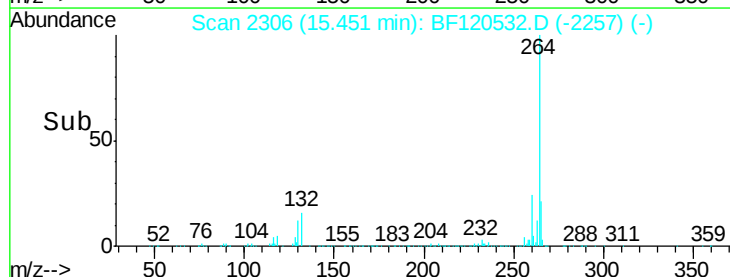
265 21.1 17.5 26.3

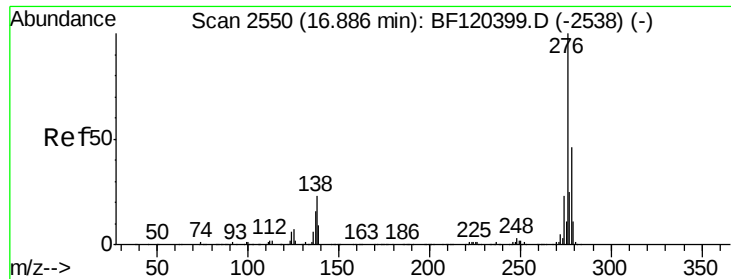


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

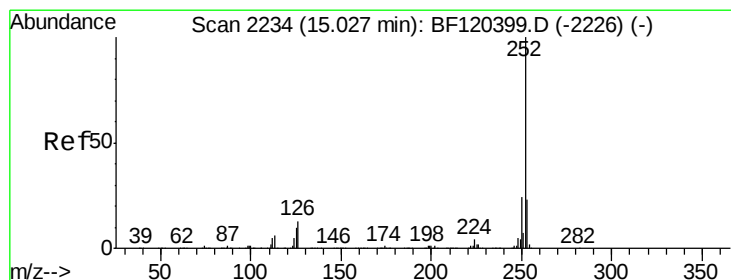
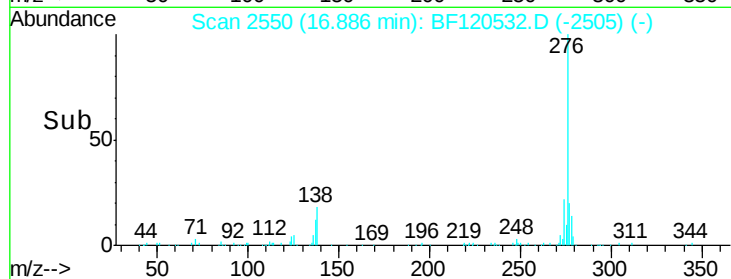
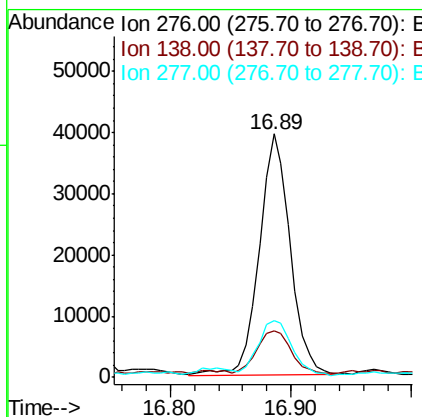
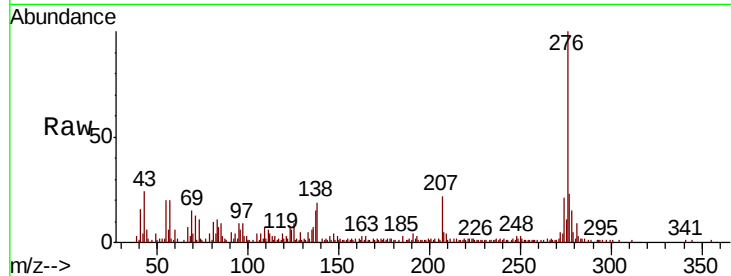




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.038 ng
 RT: 16.89 min Scan# 2550
 Delta R.T. -0.04 min
 Lab File: BF120532.D
 Acq: 4 Jun 2020 14:39

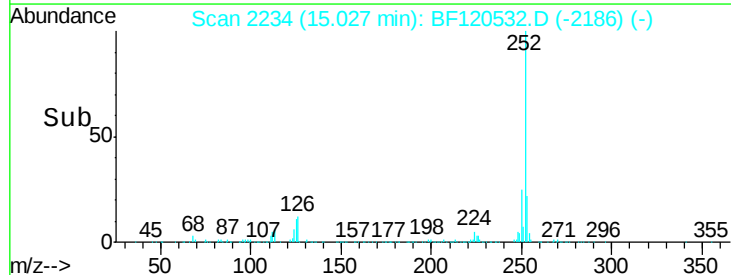
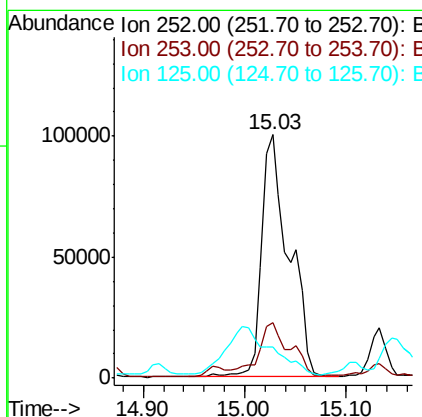
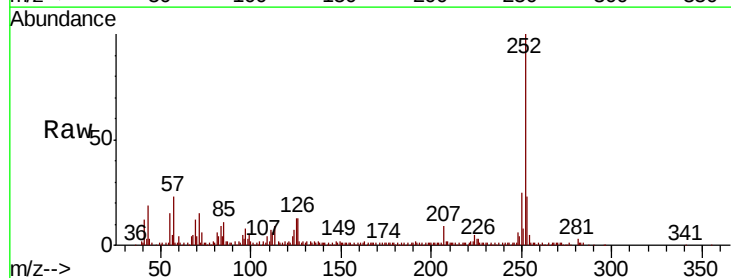
Instrument :
 BNA_F
 ClientSampleId :
 NM111-COMP-2020-0-6

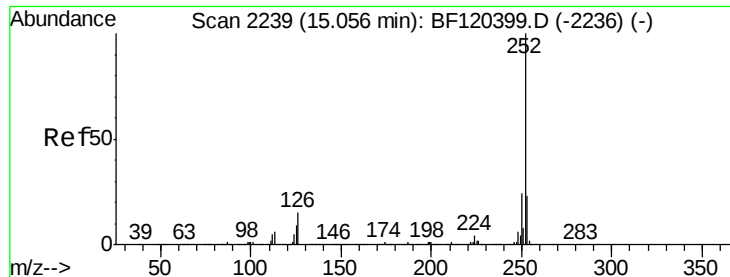
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.7	19.2	28.8
277	24.3	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 8.035 ng
 RT: 15.03 min Scan# 2234
 Delta R.T. -0.02 min
 Lab File: BF120532.D
 Acq: 4 Jun 2020 14:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	13.0	7.6	11.4

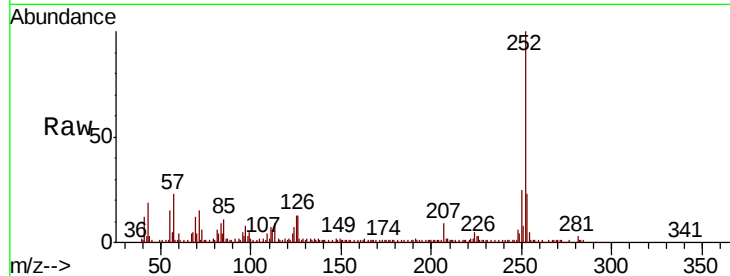




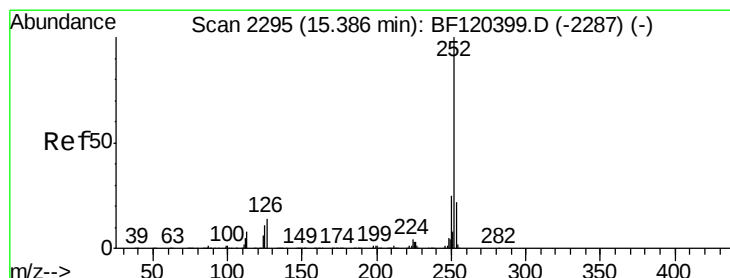
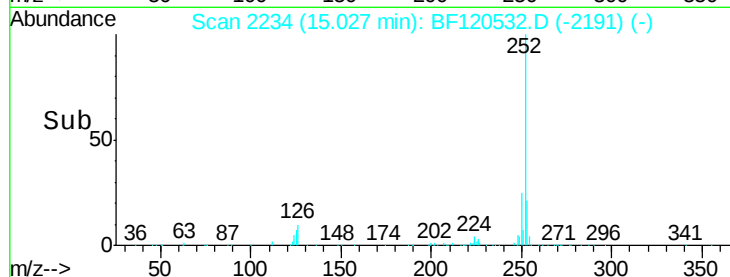
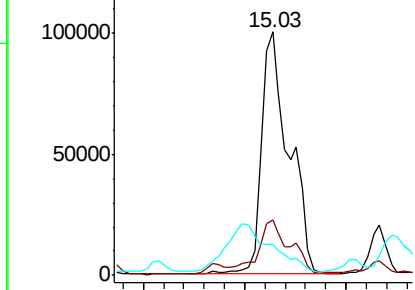
#89
Benzo(k)fluoranthene
Concen: 8.607 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.05 min
Lab File: BF120532.D
Acq: 4 Jun 2020 14:39

Instrument :
BNA_F
ClientSampleId :
NM111-COMP-2020-0-6

Tot Ion:252 Resp: 188945
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 13.0 7.5 11.3#

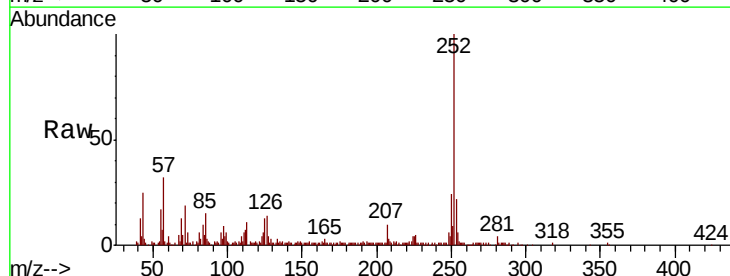


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

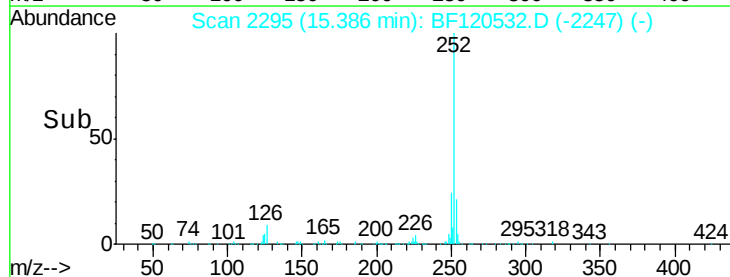
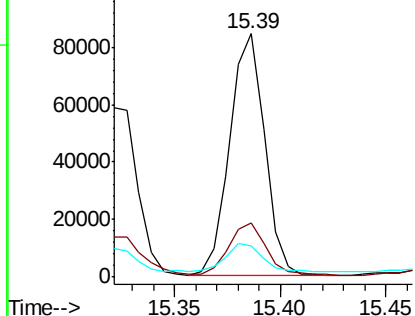


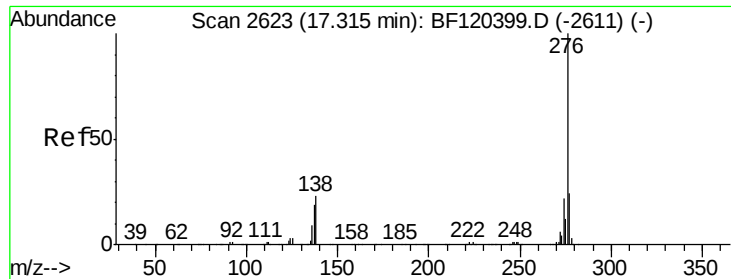
#90
Benzo(a)pyrene
Concen: 4.679 ng
RT: 15.39 min Scan# 2295
Delta R.T. -0.02 min
Lab File: BF120532.D
Acq: 4 Jun 2020 14:39

Tgt Ion:252 Resp: 96239
Ion Ratio Lower Upper
252 100
253 22.2 18.0 27.0
125 12.7 9.2 13.8



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





#92
 Benzo(a,h,i)perylene
 Concen: 3.759 ng
 RT: 17.32 min Scan# 2624
 Delta R.T. -0.04 min
 Lab File: BF120532.D
 Acq: 4 Jun 2020 14:39

Instrument :
 BNA_F
 ClientSampleId :
 NM111-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.4	29.2
138	20.7	16.6	25.0

