

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060520\
 Data File : BF120556.D
 Acq On : 5 Jun 2020 13:37
 Operator : JU/CG
 Sample : L2839-20RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM21-COMP-2020-0-6

Quant Time: Jun 05 15:34:12 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 04 16:38:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	214070	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	709829	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	358258	20.00	ng	-0.02
64) Phenanthrene-d10	11.34	188	652495	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	404432	20.00	ng	-0.03
86) Perylene-d12	15.43	264	456452	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	836932	74.51	ng	-0.01
7) Phenol-d6	6.45	99	1162849	83.99	ng	-0.02
23) Nitrobenzene-d5	7.38	82	680410	62.70	ng	-0.02
42) 2,4,6-Tribromophenol	10.65	330	285695	86.07	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	1260076	59.68	ng	-0.02
79) Terphenyl-d14	12.93	244	1243652	68.43	ng	-0.02

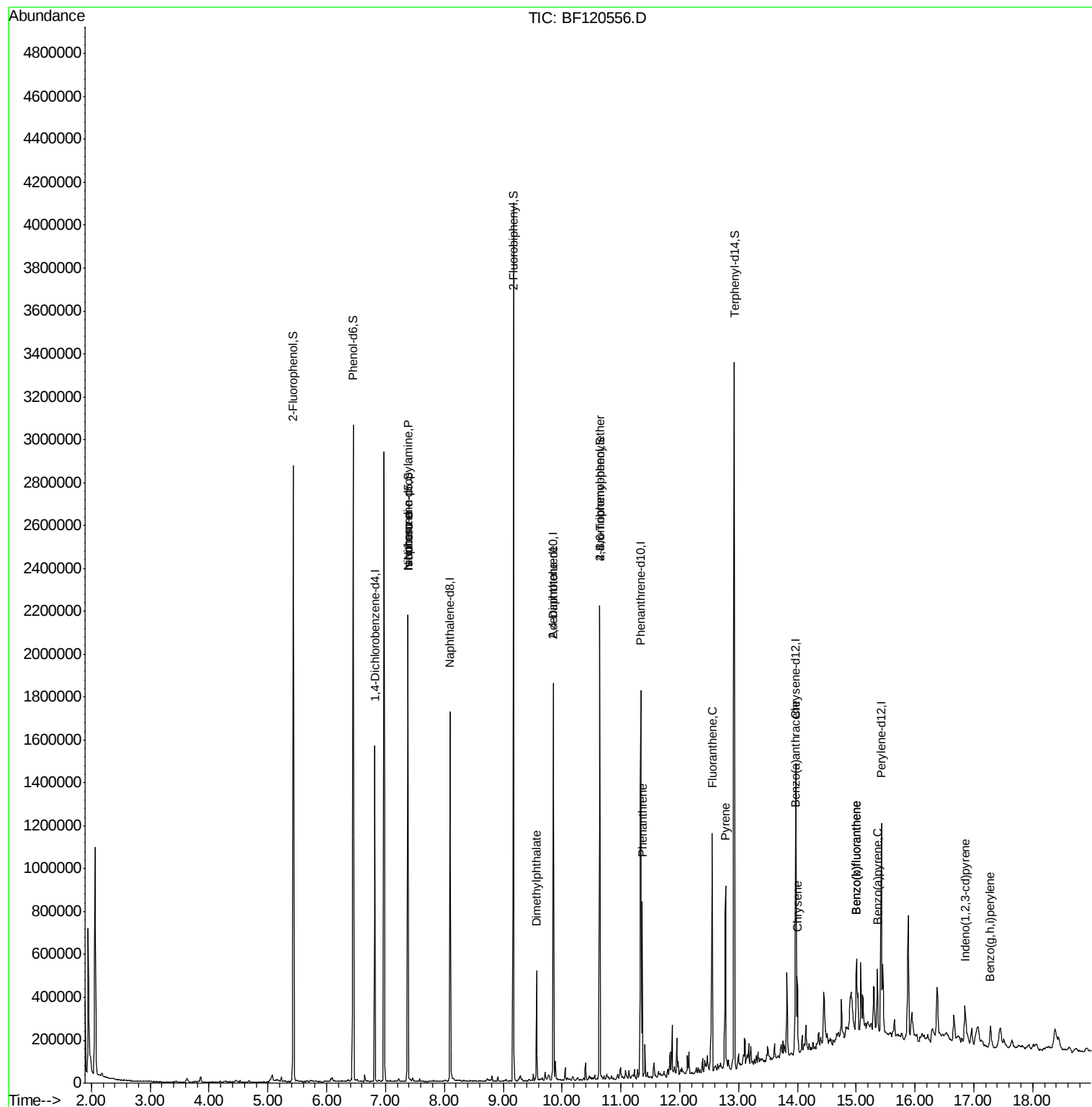
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.38	70	90675	10.303	ng	# 76
25) Isophorone	7.38	82	678029	31.088	ng	# 63
50) Dimethylphthalate	9.57	163	206874	9.237	ng	100
57) 2,4-Dinitrotoluene	9.85	165	46268	7.263	ng	# 25
67) 4-Bromophenyl-phenylether	10.64	248	16796	2.550	ng	# 1
71) Phenanthrene	11.36	178	281435	9.789	ng	98
75) Fluoranthene	12.55	202	422671	13.663	ng	98
78) Pyrene	12.78	202	355111	12.626	ng	98
81) Benzo(a)anthracene	13.96	228	152654	7.043	ng	98
83) Chrysene	14.00	228	140060	6.164	ng	95
87) Indeno(1,2,3-cd)pyrene	16.85	276	96950	3.883	ng	97
88) Benzo(b)fluoranthene	15.00	252	251120	9.905	ng	98
89) Benzo(k)fluoranthene	15.00	252	251120	10.610	ng	99
90) Benzo(a)pyrene	15.36	252	141170	6.366	ng	99
92) Benzo(a,h,i)perylene	17.29	276	79864	3.978	ng	99

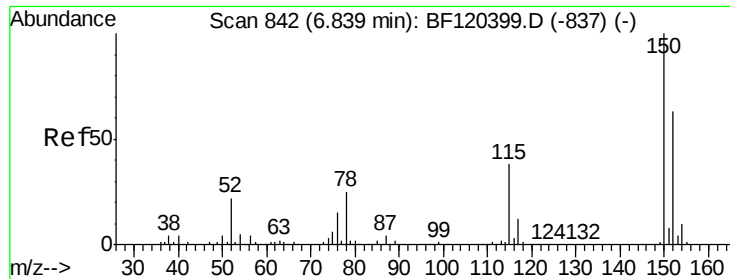
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060520\
Data File : BF120556.D
Acq On : 5 Jun 2020 13:37
Operator : JU/CG
Sample : L2839-20RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM21-COMP-2020-0-6

Quant Time: Jun 05 15:34:12 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 04 16:38:34 2020
Response via : Initial Calibration



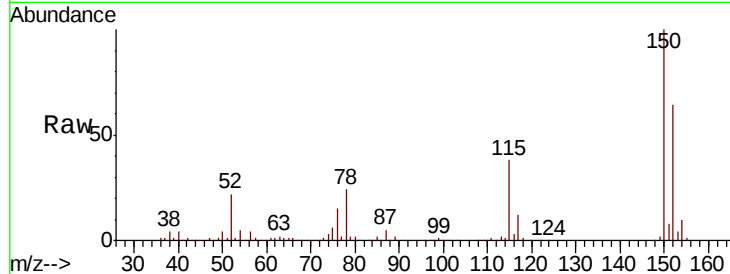


#1

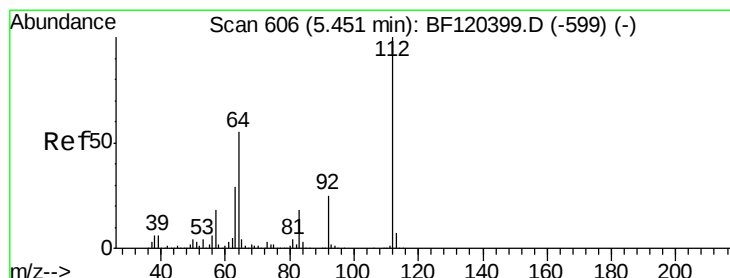
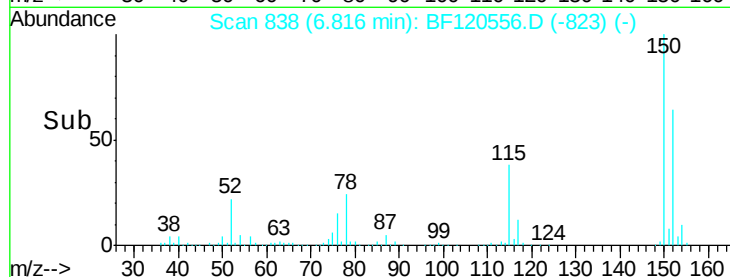
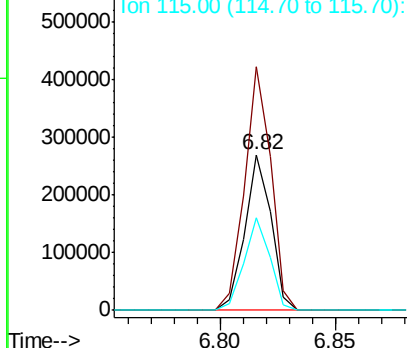
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF120556.D
Acq: 5 Jun 2020 13:37

Instrument :
BNA_F
ClientSampleId :
NM21-COMP-2020-0-6

Tot Ion:152 Resp: 214070
Ion Ratio Lower Upper
152 100
150 156.3 126.3 189.5
115 59.7 48.1 72.1



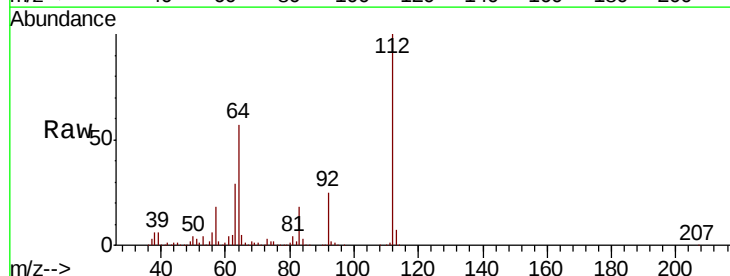
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



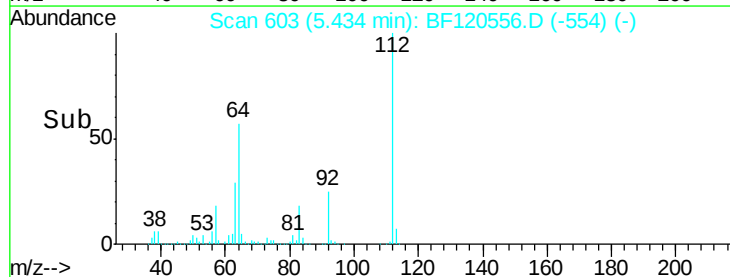
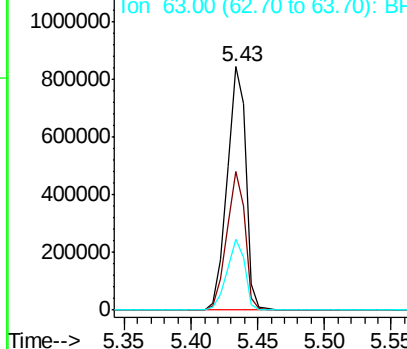
#5

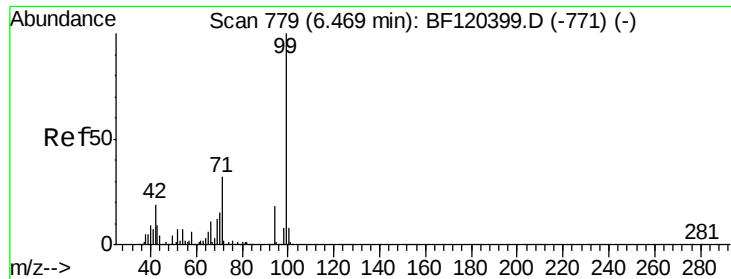
2-Fluorophenol
Concen: 74.507 ng
RT: 5.43 min Scan# 603
Delta R.T. -0.01 min
Lab File: BF120556.D
Acq: 5 Jun 2020 13:37

Tgt Ion:112 Resp: 836932
Ion Ratio Lower Upper
112 100
64 57.0 47.2 70.8
63 29.1 24.7 37.1



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: 83.989 ng

RT: 6.45 min Scan# 776

Delta R.T. -0.02 min

Lab File: BF120556.D

Acq: 5 Jun 2020 13:37

Instrument :

BNA_F

ClientSampleId :

NM21-COMP-2020-0-6

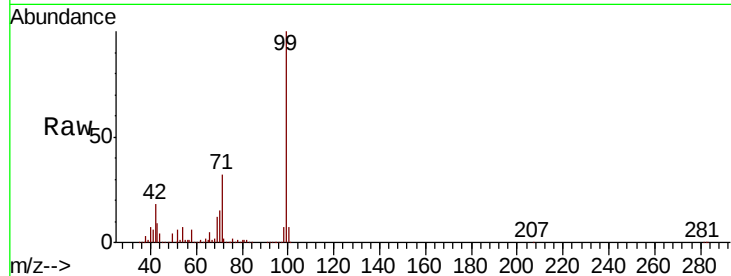
Tot Ion: 99 Resp: 1162849

Ion Ratio Lower Upper

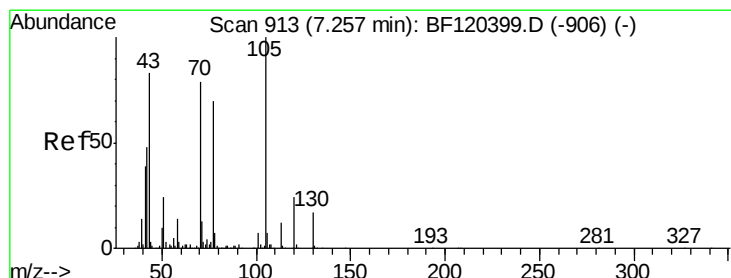
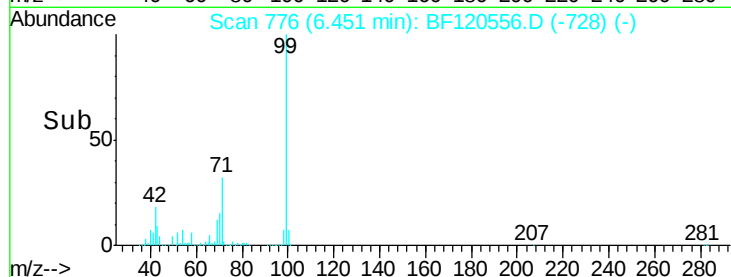
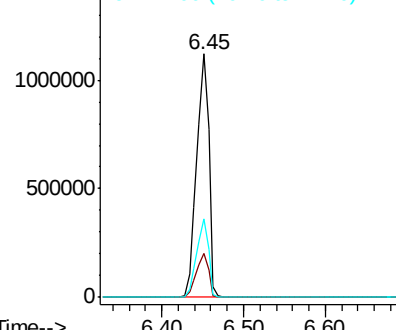
99 100

42 18.3 15.0 22.6

71 32.0 27.0 40.4



Abundance Ion 99.00 (98.70 to 99.70): BF1
1500000 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: 10.303 ng

RT: 7.38 min Scan# 934

Delta R.T. 0.13 min

Lab File: BF120556.D

Acq: 5 Jun 2020 13:37

Tgt Ion: 70 Resp: 90675

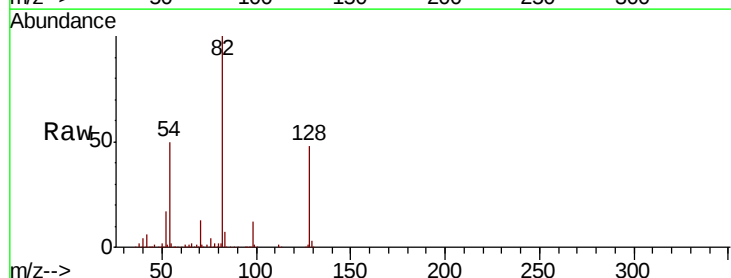
Ion Ratio Lower Upper

70 100

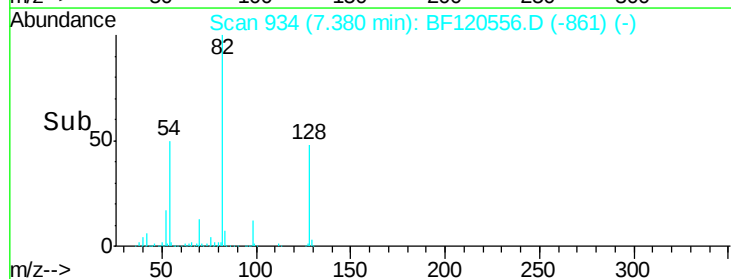
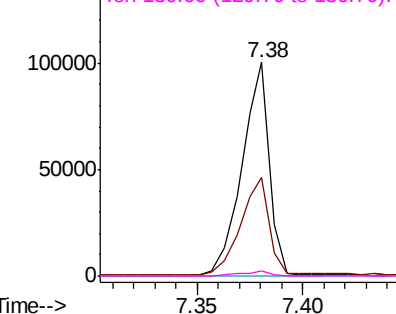
42 46.0 47.0 70.4#

101 0.0 7.8 11.8#

130 2.2 17.9 26.9#



Abundance Ion 70.00 (69.70 to 70.70): BF1
150000 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: 8.10 min Scan# 1056

Delta R.T. -0.02 min

Lab File: BF120556.D

Acq: 5 Jun 2020 13:37

Instrument :

BNA_F

ClientSampleId :

NM21-COMP-2020-0-6

Tot Ion:136 Resp: 709829

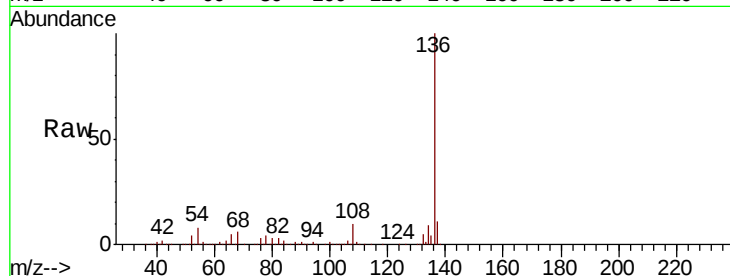
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 7.8 5.4 8.0

68 6.0 4.3 6.5

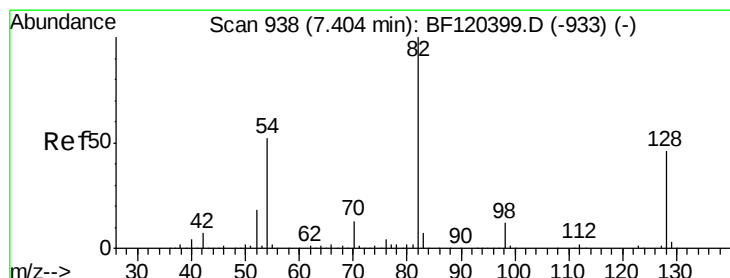
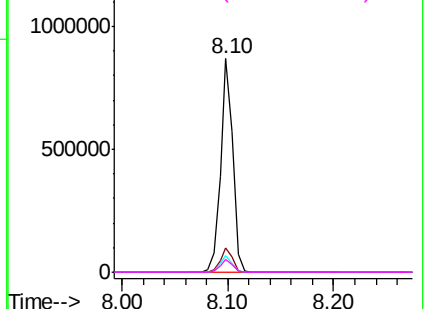
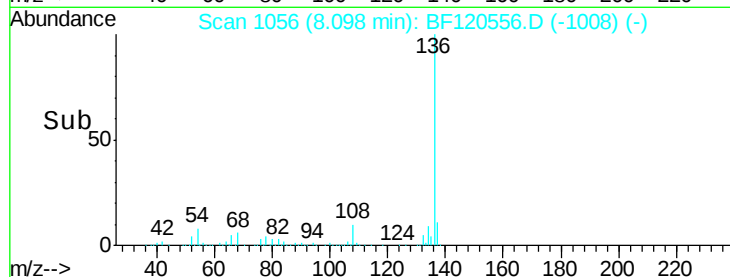


Abundance Ion 136.00 (135.70 to 136.70): E

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: 62.702 ng

RT: 7.38 min Scan# 934

Delta R.T. -0.02 min

Lab File: BF120556.D

Acq: 5 Jun 2020 13:37

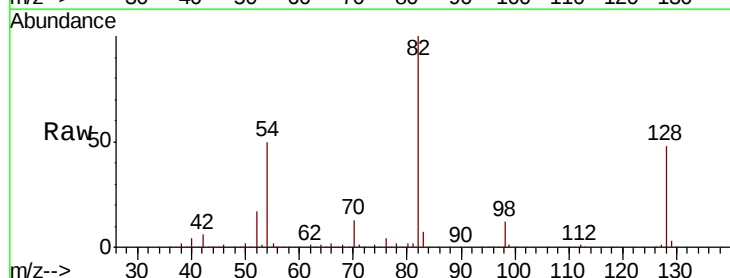
Tgt Ion: 82 Resp: 680410

Ion Ratio Lower Upper

82 100

128 47.9 36.7 55.1

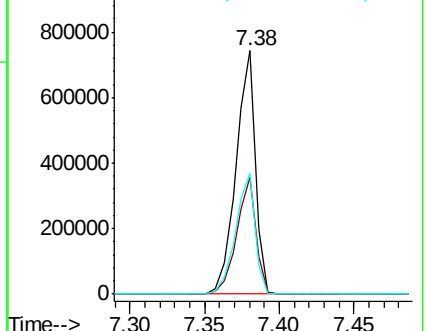
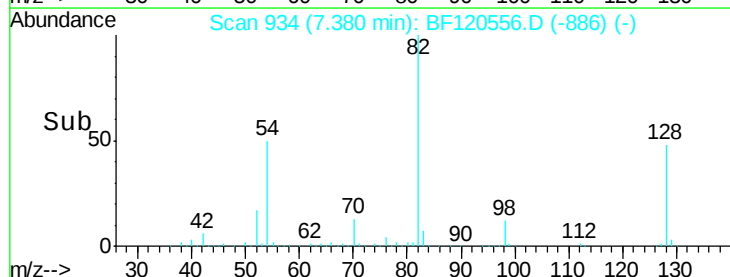
54 49.7 40.0 60.0



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: 31.088 ng

RT: 7.38 min Scan# 934

Delta R.T. -0.28 min

Lab File: BF120556.D

Acq: 5 Jun 2020 13:37

Instrument :

BNA_F

ClientSampleId :

NM21-COMP-2020-0-6

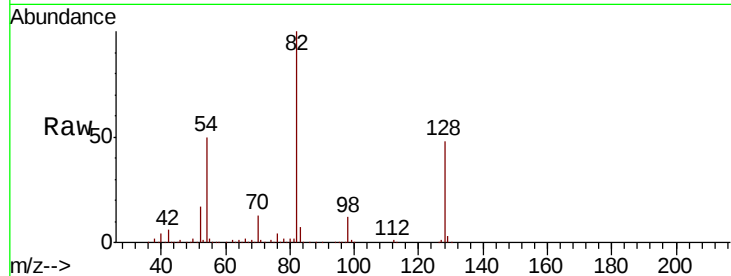
Tot Ion: 82 Resp: 678029

Ion Ratio Lower Upper

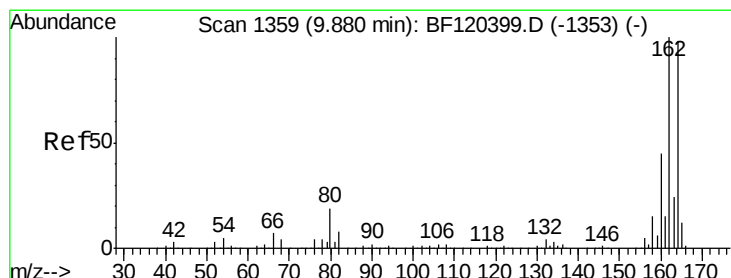
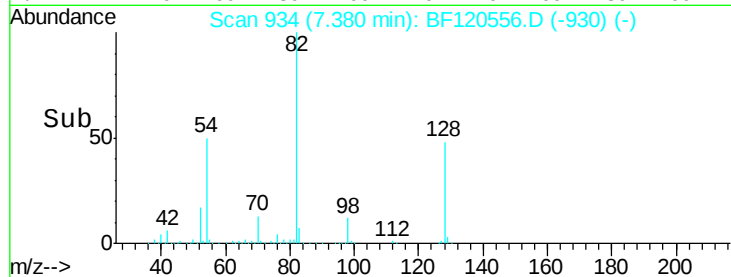
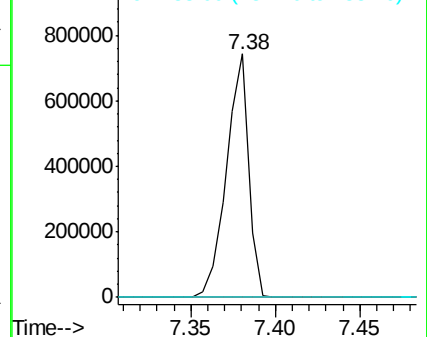
82 100

95 0.1 5.8 8.6#

138 0.0 15.6 23.4#



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: 9.85 min Scan# 1354

Delta R.T. -0.02 min

Lab File: BF120556.D

Acq: 5 Jun 2020 13:37

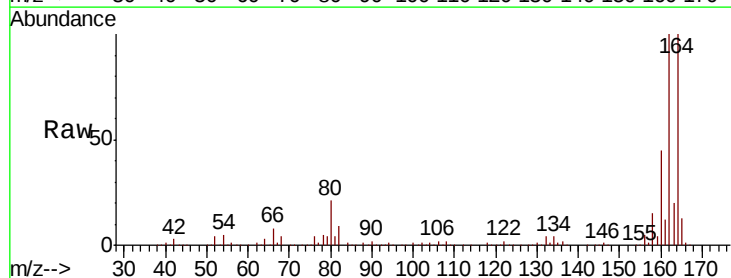
Tgt Ion: 164 Resp: 358258

Ion Ratio Lower Upper

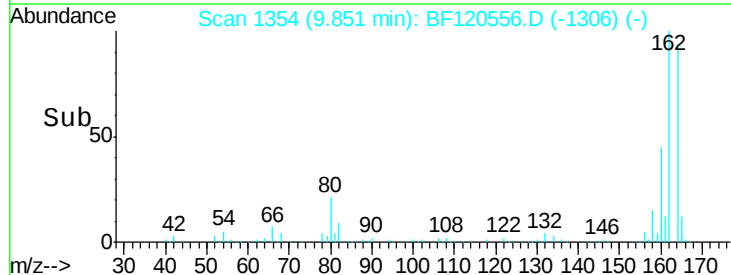
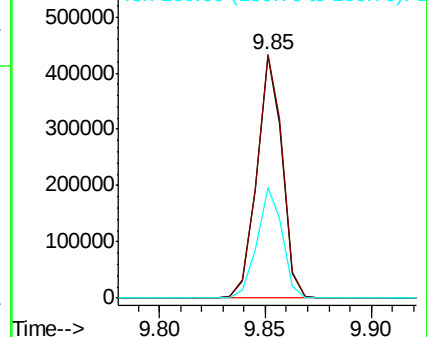
164 100

162 100.4 81.2 121.8

160 45.4 37.0 55.4



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

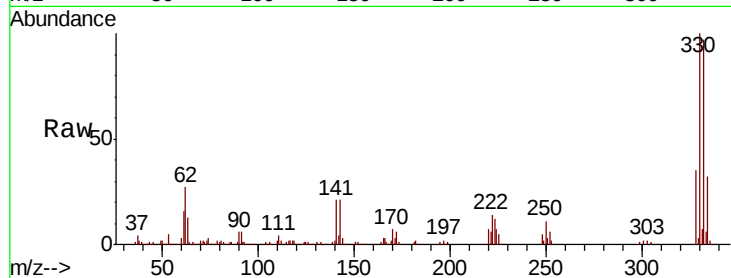




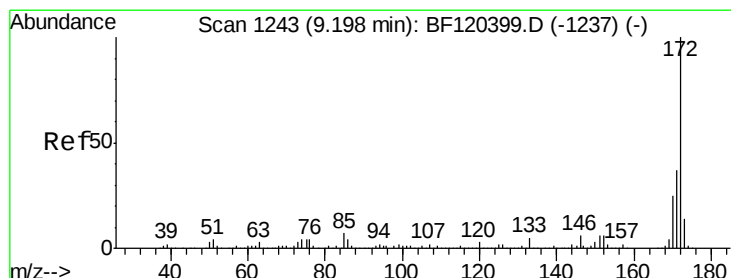
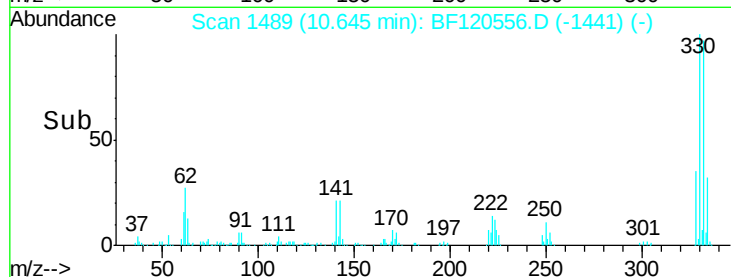
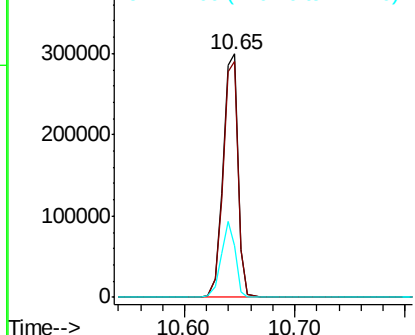
#42
 2,4,6-Tribromophenol
 Concen: 86.068 ng
 RT: 10.65 min Scan# 1489
 Delta R.T. -0.02 min
 Lab File: BF120556.D
 Acq: 5 Jun 2020 13:37

Instrument :
 BNA_F
 ClientSampleId :
 NM21-COMP-2020-0-6

Tot Ion:330 Resp: 285695
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.4
 141 29.2 23.8 35.8

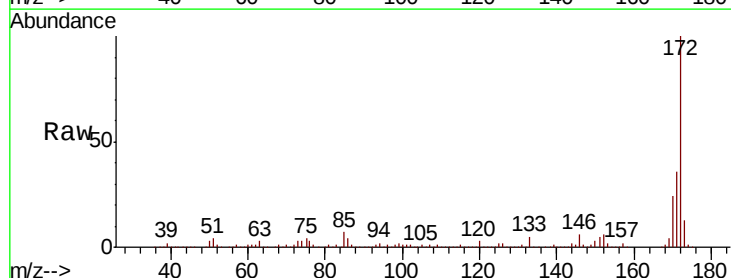


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

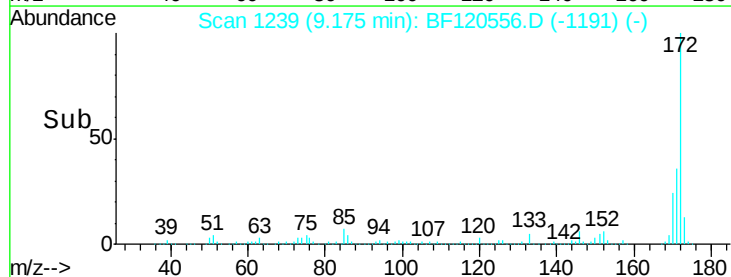
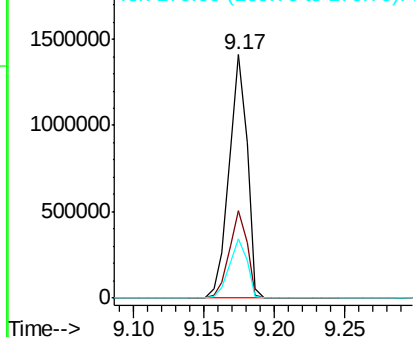


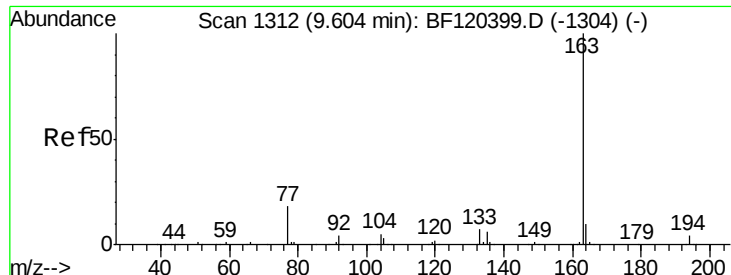
#45
 2-Fluorobiphenyl
 Concen: 59.677 ng
 RT: 9.17 min Scan# 1239
 Delta R.T. -0.02 min
 Lab File: BF120556.D
 Acq: 5 Jun 2020 13:37

Tgt Ion:172 Resp: 1260076
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.5 44.3
 170 24.1 19.8 29.6



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

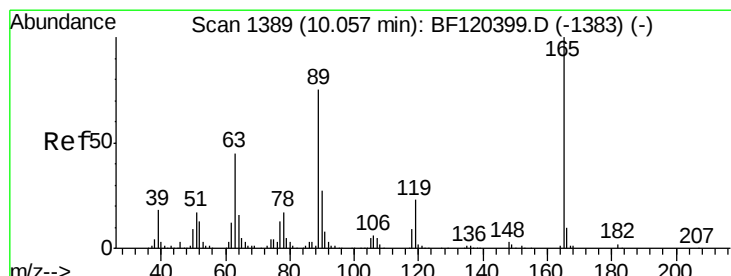
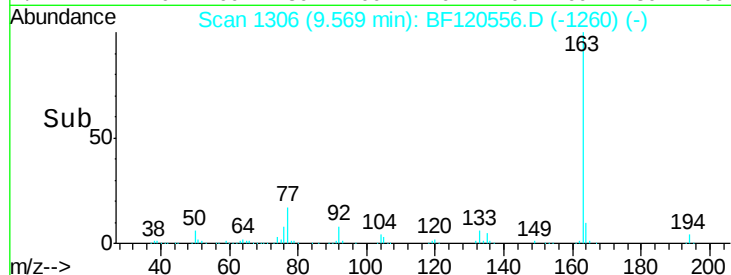
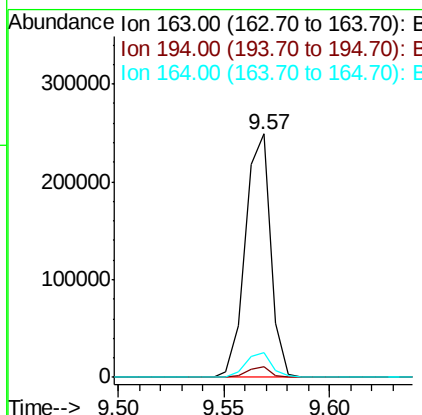
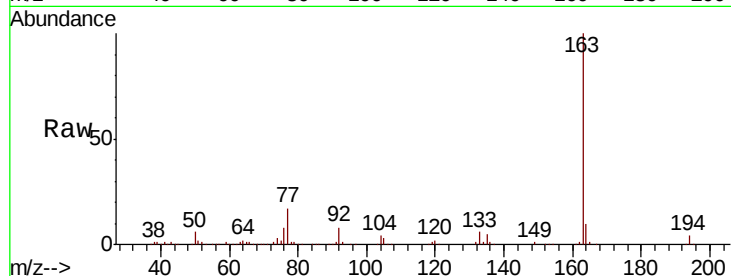




#50
Dimethylphthalate
Concen: 9.237 ng
RT: 9.57 min Scan# 1306
Delta R.T. -0.03 min
Lab File: BF120556.D
Acq: 5 Jun 2020 13:37

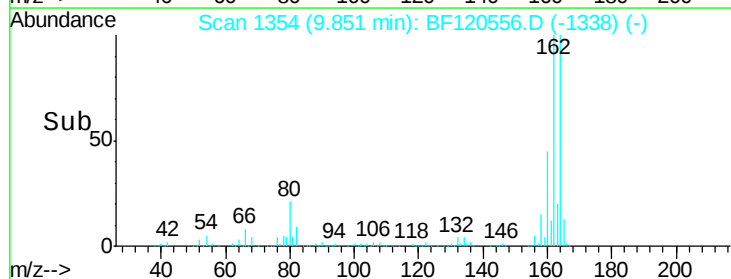
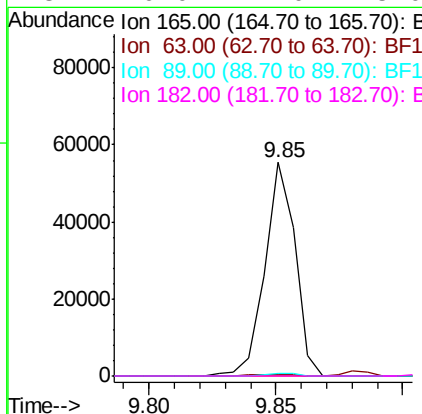
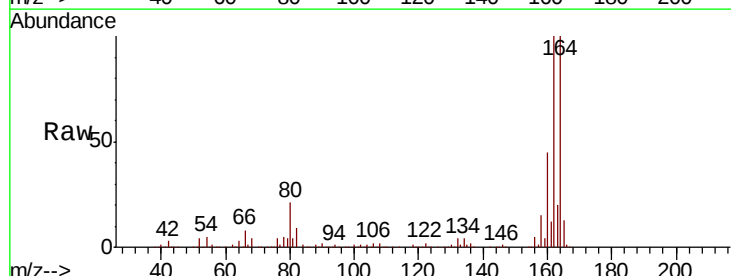
Instrument :
BNA_F
ClientSampleId :
NM21-COMP-2020-0-6

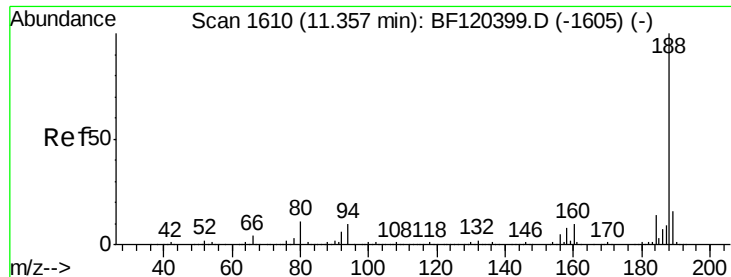
Tot Ion:163	Resp:	206874
Ion Ratio	Lower	Upper
163	100	
194	4.2	3.1 4.7
164	10.1	8.0 12.0



#57
2,4-Dinitrotoluene
Concen: 7.263 ng
RT: 9.85 min Scan# 1354
Delta R.T. -0.21 min
Lab File: BF120556.D
Acq: 5 Jun 2020 13:37

Tgt Ion:165	Resp:	46268
Ion Ratio	Lower	Upper
165	100	
63	0.9	34.1 51.1#
89	1.3	56.2 84.4#
182	0.0	2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1607

Delta R.T. -0.02 min

Lab File: BF120556.D

Acq: 5 Jun 2020 13:37

Instrument :

BNA_F

ClientSampleId :

NM21-COMP-2020-0-6

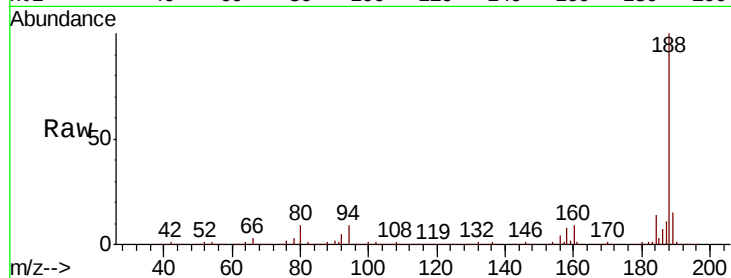
Tot Ion:188 Resp: 652495

Ion Ratio Lower Upper

188 100

94 8.6 7.4 11.2

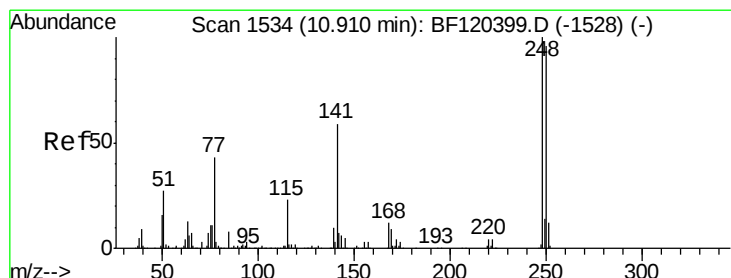
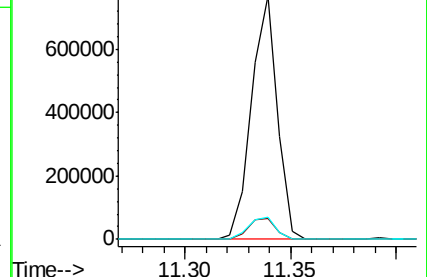
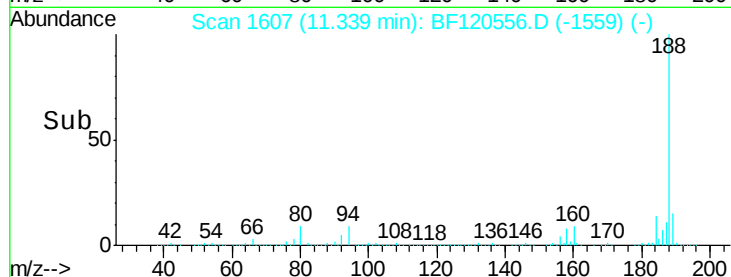
80 9.1 7.6 11.4



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



#67

4-Bromophenyl-phenylether

Concen: 2.550 ng

RT: 10.64 min Scan# 1488

Delta R.T. -0.26 min

Lab File: BF120556.D

Acq: 5 Jun 2020 13:37

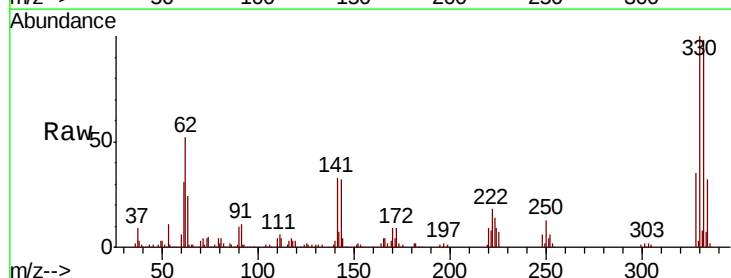
Tgt Ion:248 Resp: 16796

Ion Ratio Lower Upper

248 100

250 193.8 77.4 116.0#

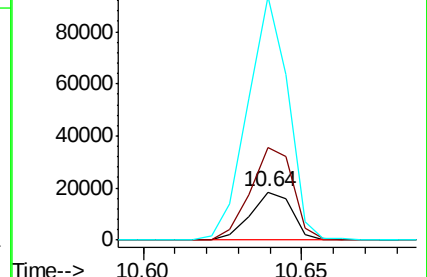
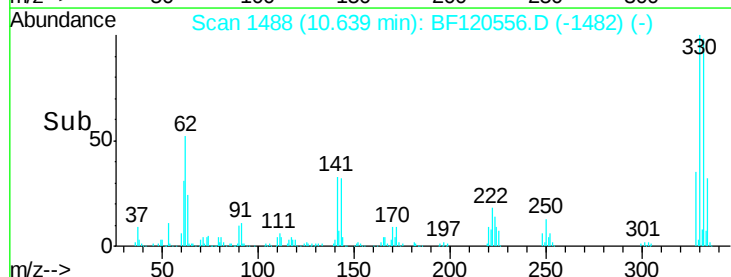
141 507.2 46.1 69.1#

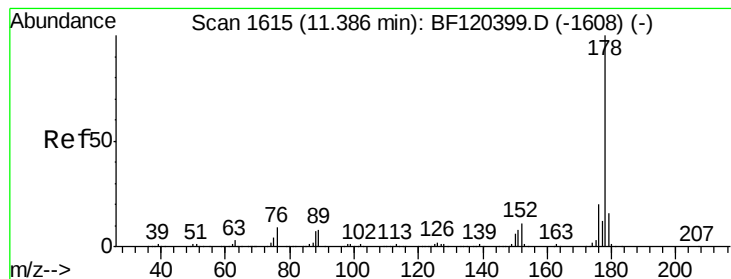


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 9.789 ng

RT: 11.36 min Scan# 1611

Delta R.T. -0.02 min

Lab File: BF120556.D

Acq: 5 Jun 2020 13:37

Instrument :

BNA_F

ClientSampleId :

NM21-COMP-2020-0-6

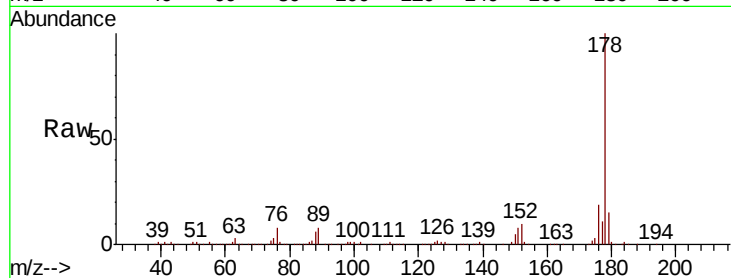
Tot Ion:178 Resp: 281435

Ion Ratio Lower Upper

178 100

176 19.4 16.2 24.2

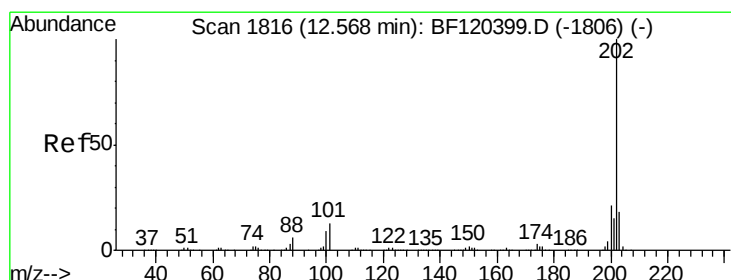
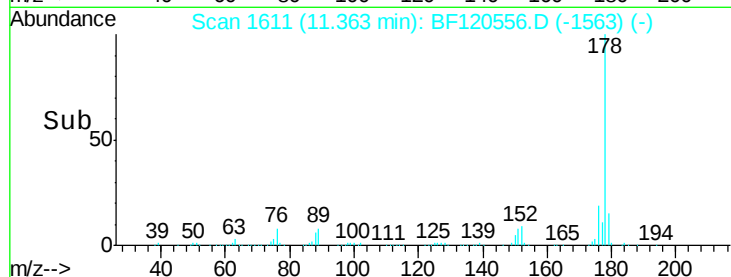
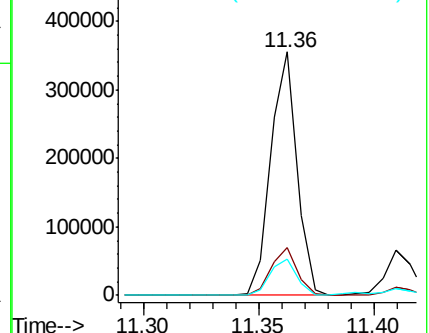
179 15.1 12.8 19.2



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: 13.663 ng

RT: 12.55 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BF120556.D

Acq: 5 Jun 2020 13:37

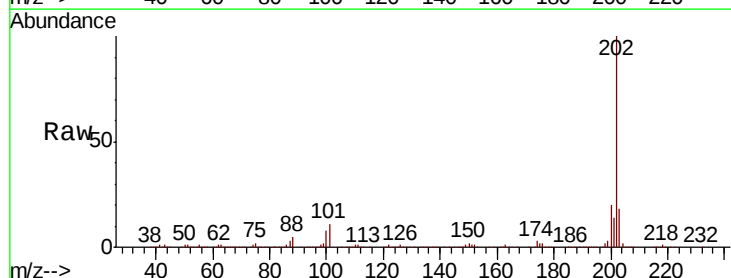
Tgt Ion:202 Resp: 422671

Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.3

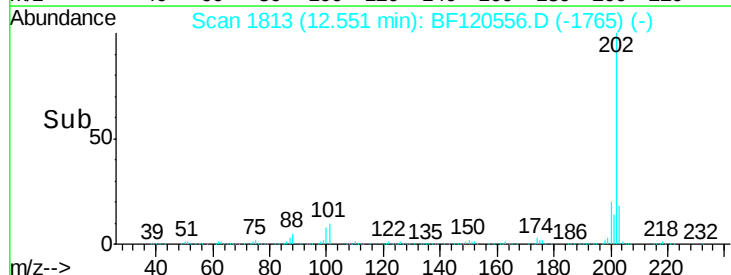
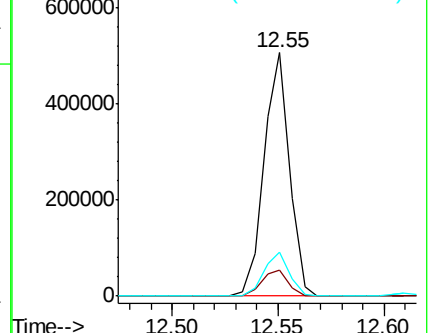
203 17.8 0.0 38.4

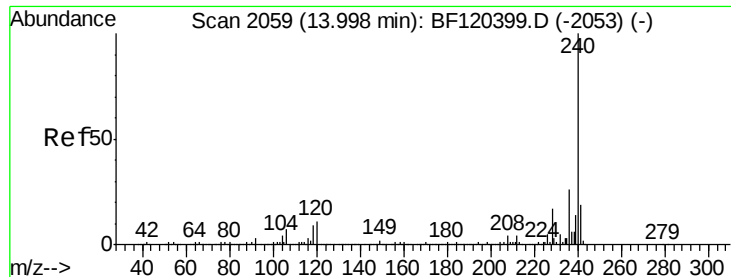


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.97 min Scan# 2055

Delta R.T. -0.03 min

Lab File: BF120556.D

Acq: 5 Jun 2020 13:37

Instrument :

BNA_F

ClientSampleId :

NM21-COMP-2020-0-6

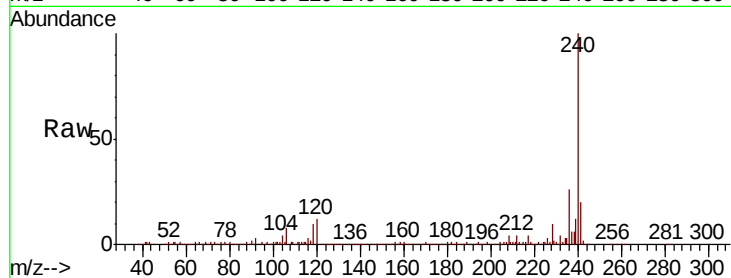
Tot Ion:240 Resp: 404432

Ion Ratio Lower Upper

240 100

120 12.1 7.7 11.5#

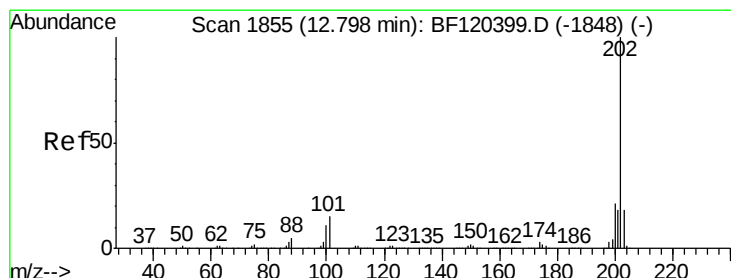
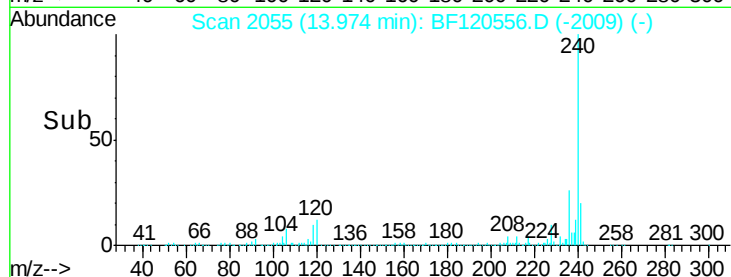
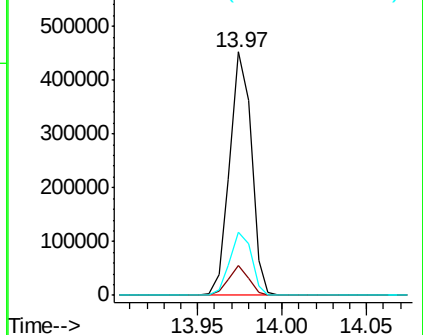
236 26.1 20.8 31.2



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: 12.626 ng

RT: 12.78 min Scan# 1852

Delta R.T. -0.02 min

Lab File: BF120556.D

Acq: 5 Jun 2020 13:37

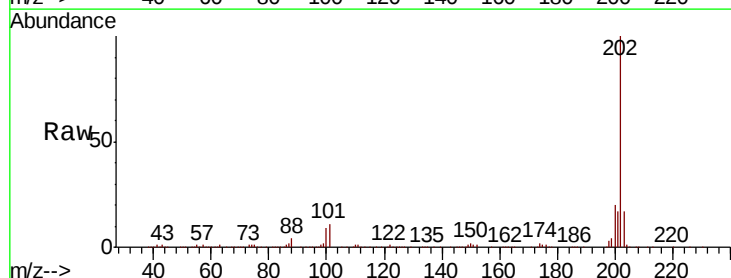
Tgt Ion:202 Resp: 355111

Ion Ratio Lower Upper

202 100

200 19.6 17.0 25.6

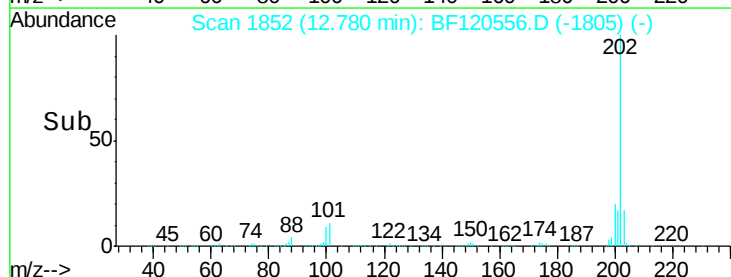
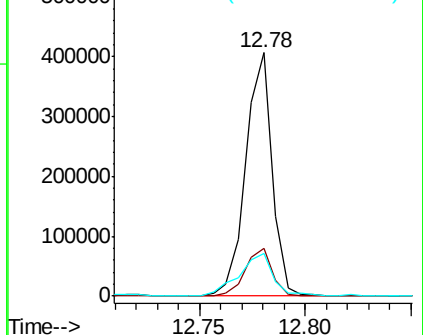
203 17.3 14.2 21.2

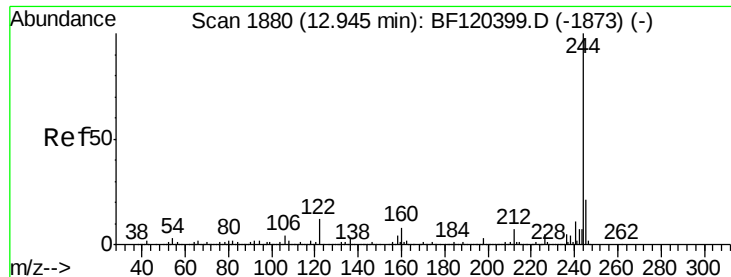


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 68.427 ng

RT: 12.93 min Scan# 1877

Delta R.T. -0.02 min

Lab File: BF120556.D

Acq: 5 Jun 2020 13:37

Instrument :

BNA_F

ClientSampleId :

NM21-COMP-2020-0-6

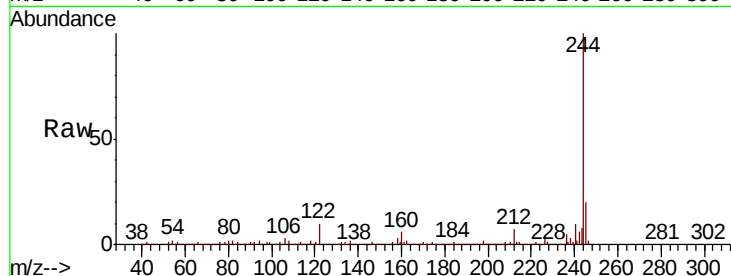
Tot Ion:244 Resp: 1243652

Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

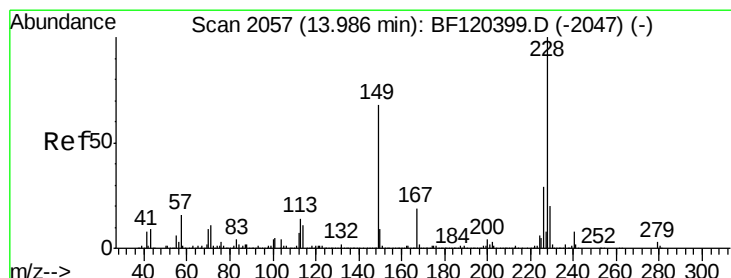
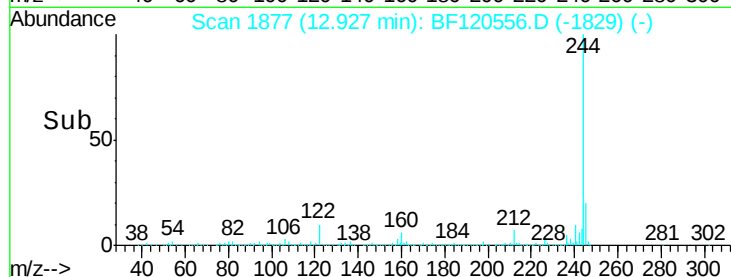
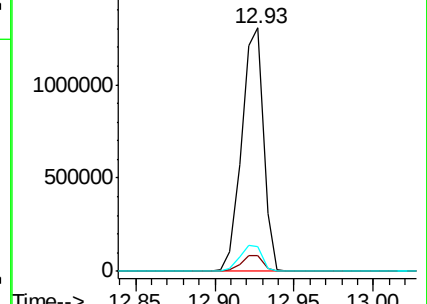
122 9.9 8.0 12.0



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: 7.043 ng

RT: 13.96 min Scan# 2053

Delta R.T. -0.03 min

Lab File: BF120556.D

Acq: 5 Jun 2020 13:37

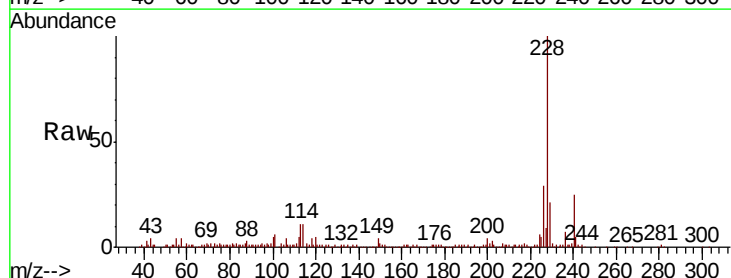
Tgt Ion:228 Resp: 152654

Ion Ratio Lower Upper

228 100

226 29.2 22.4 33.6

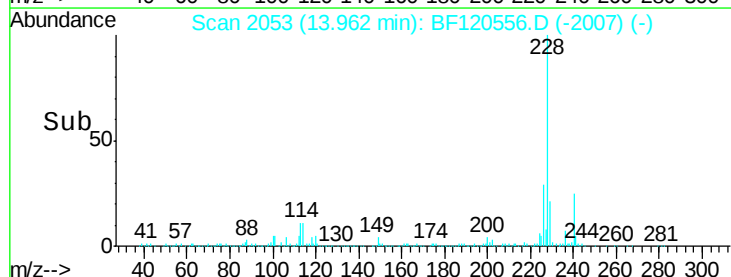
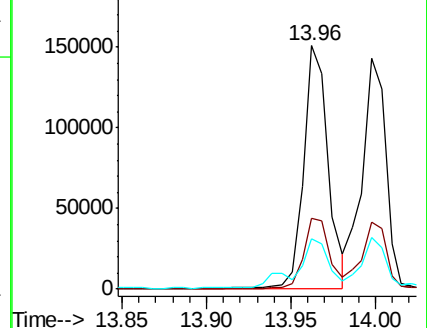
229 20.9 16.2 24.2

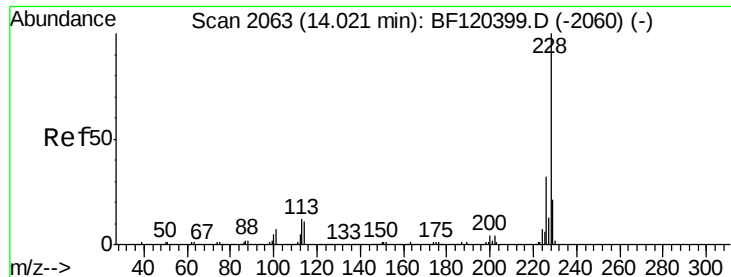


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 6.164 ng

RT: 14.00 min Scan# 2059

Delta R.T. -0.03 min

Lab File: BF120556.D

Acq: 5 Jun 2020 13:37

Instrument :

BNA_F

ClientSampleId :

NM21-COMP-2020-0-6

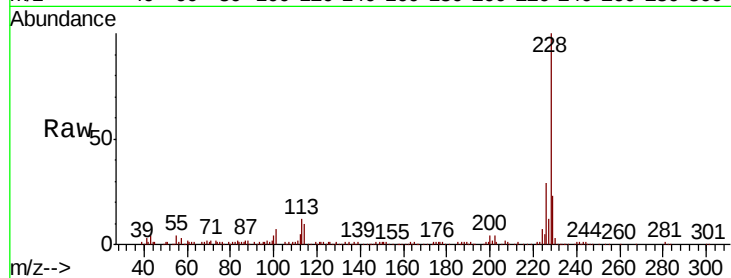
Tot Ion:228 Resp: 140060

Ion Ratio Lower Upper

228 100

226 29.3 25.6 38.4

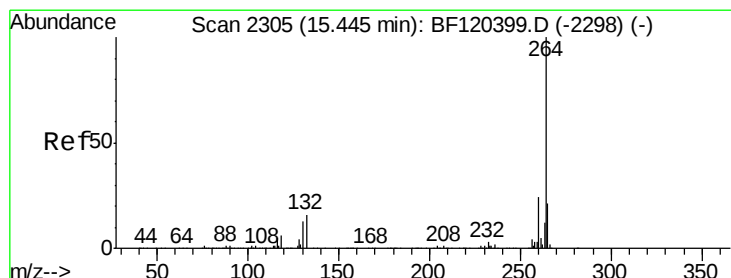
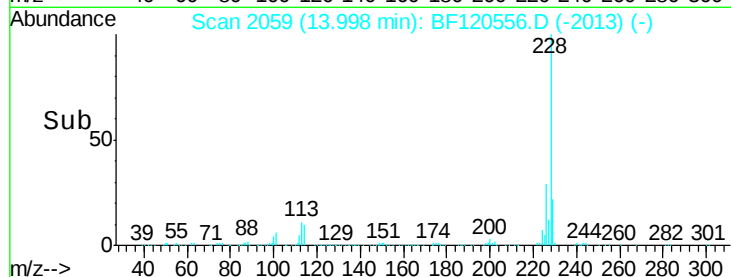
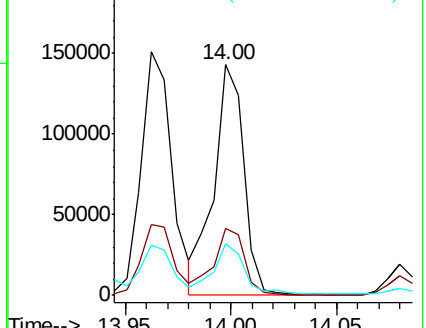
229 22.6 16.2 24.2



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: 15.43 min Scan# 2302

Delta R.T. -0.02 min

Lab File: BF120556.D

Acq: 5 Jun 2020 13:37

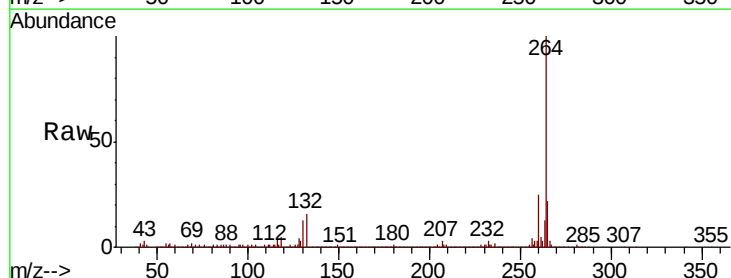
Tgt Ion:264 Resp: 456452

Ion Ratio Lower Upper

264 100

260 24.7 19.5 29.3

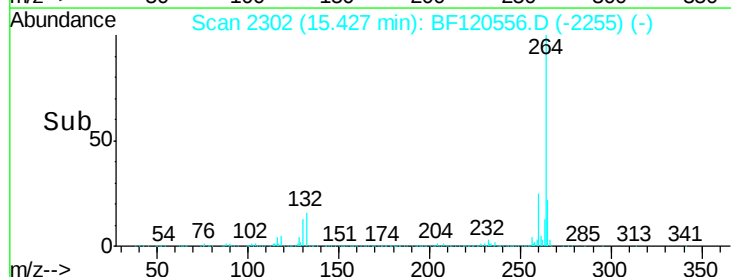
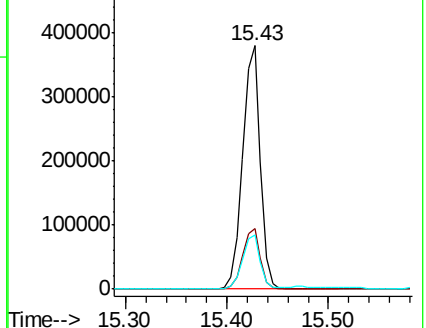
265 22.4 17.5 26.3

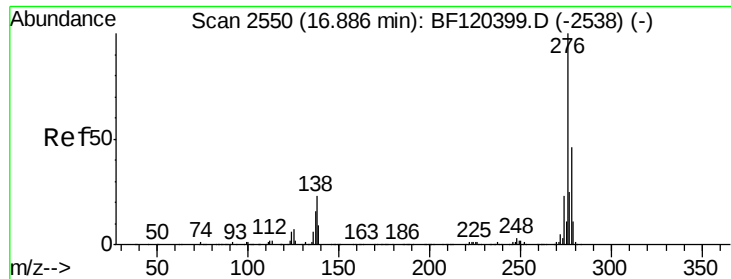


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

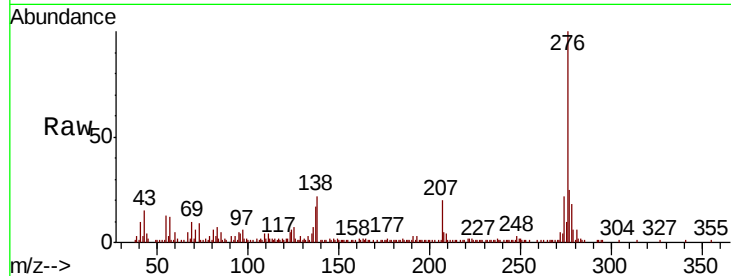




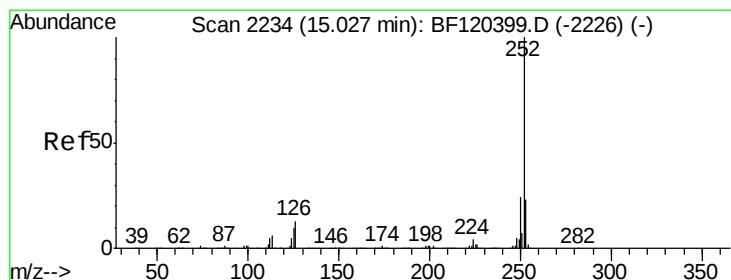
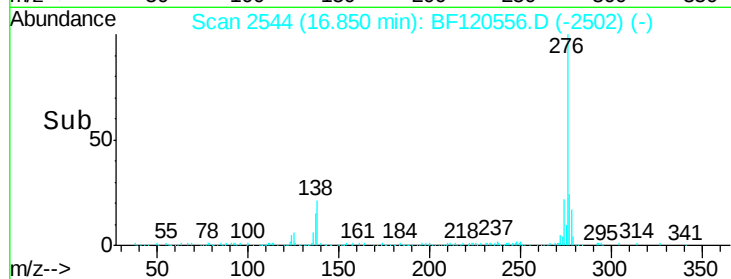
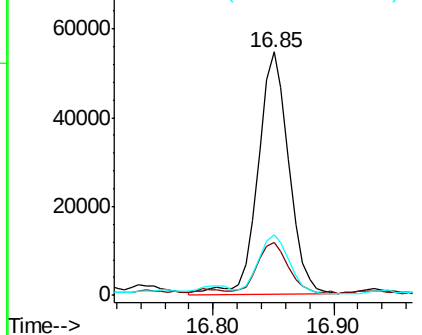
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.883 ng
 RT: 16.85 min Scan# 2544
 Delta R.T. -0.05 min
 Lab File: BF120556.D
 Acq: 5 Jun 2020 13:37

Instrument :
 BNA_F
 ClientSampleId :
 NM21-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.2	19.2	28.8
277	25.3	20.3	30.5

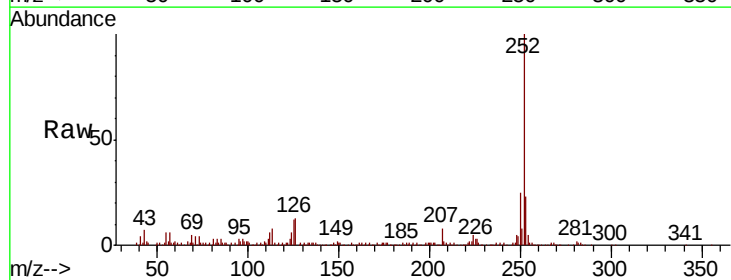


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

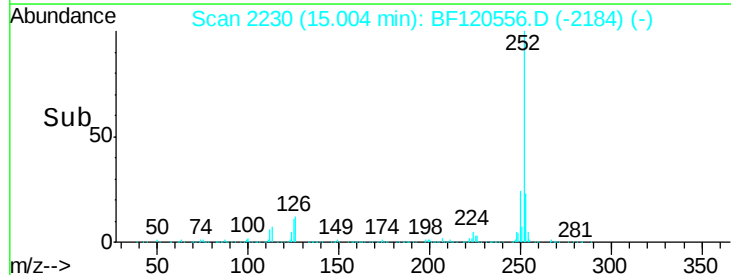
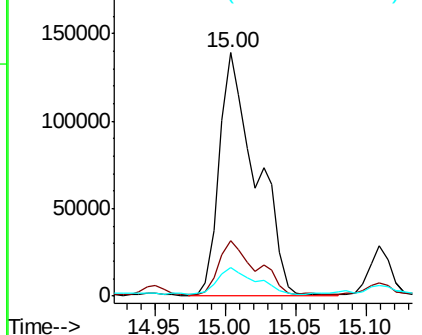


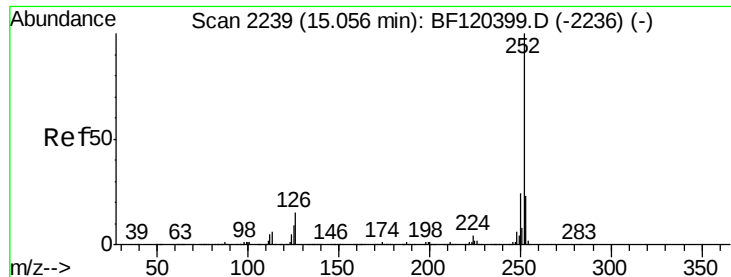
#88
 Benzo(b)fluoranthene
 Concen: 9.905 ng
 RT: 15.00 min Scan# 2230
 Delta R.T. -0.03 min
 Lab File: BF120556.D
 Acq: 5 Jun 2020 13:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	11.6	8.3	12.5



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

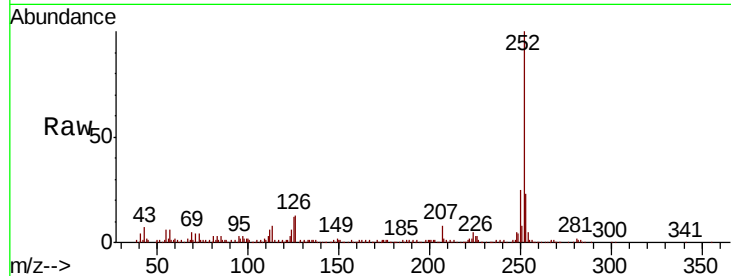




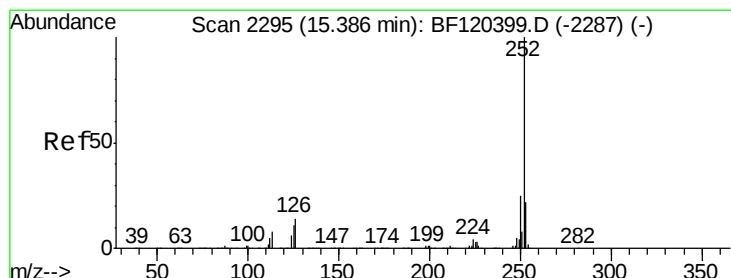
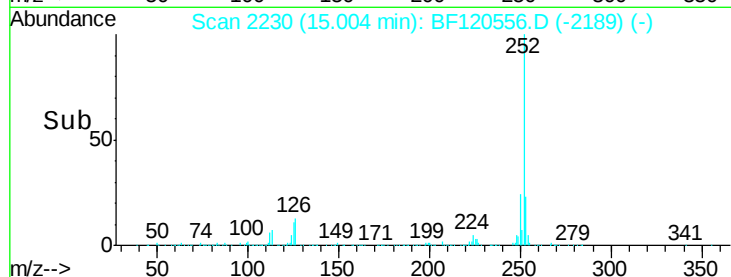
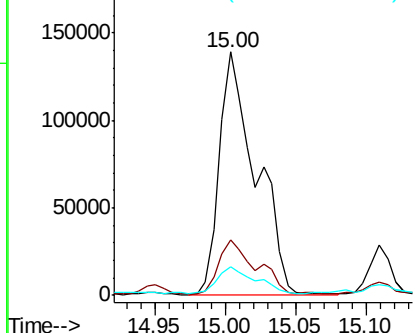
#89
Benzo(k)fluoranthene
Concen: 10.610 ng
RT: 15.00 min Scan# 2230
Delta R.T. -0.06 min
Lab File: BF120556.D
Acq: 5 Jun 2020 13:37

Instrument :
BNA_F
ClientSampleId :
NM21-COMP-2020-0-6

Tot Ion:252 Resp: 251120
Ion Ratio Lower Upper
252 100
253 22.9 18.4 27.6
125 11.6 8.6 13.0

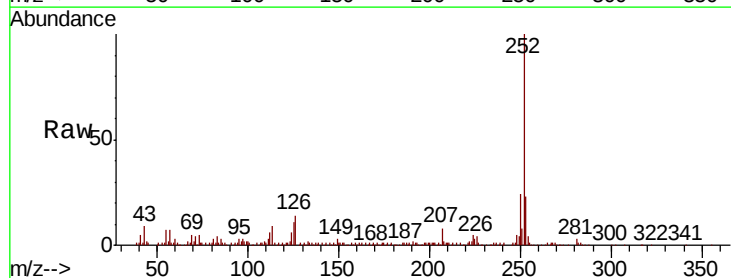


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

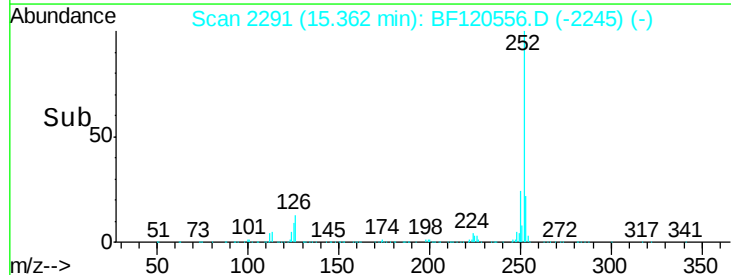
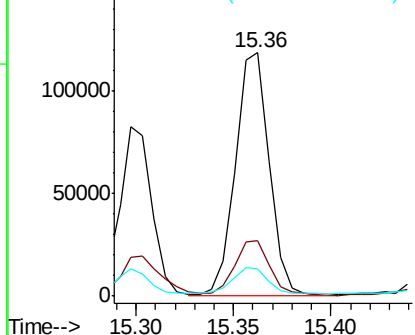


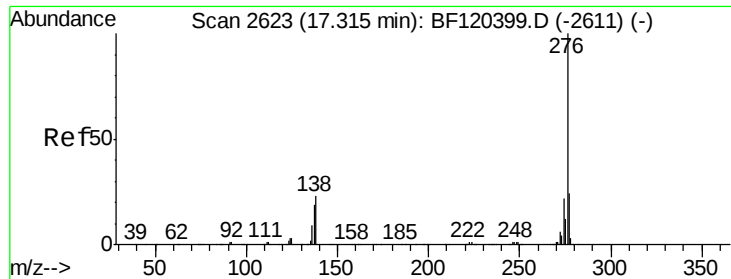
#90
Benzo(a)pyrene
Concen: 6.366 ng
RT: 15.36 min Scan# 2291
Delta R.T. -0.03 min
Lab File: BF120556.D
Acq: 5 Jun 2020 13:37

Tgt Ion:252 Resp: 141170
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.2
125 11.0 9.6 14.4



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: 3.978 ng
 RT: 17.29 min Scan# 2618
 Delta R.T. -0.06 min
 Lab File: BF120556.D
 Acq: 5 Jun 2020 13:37

Instrument :
 BNA_F
 ClientSampleId :
 NM21-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.3	28.9
138	21.0	16.9	25.3

