

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060120\
 Data File : BF120483.D
 Acq On : 1 Jun 2020 20:43
 Operator : JU/CG
 Sample : L2792-11
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM85-COMP-2020-0-6

Quant Time: Jun 01 23:48:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 12:39:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	259659	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	889330	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	401239	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	684642	20.00	ng	0.01
76) Chrysene-d12	14.01	240	559586	20.00	ng	0.01
86) Perylene-d12	15.47	264	448190	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	1033669	75.87	ng	0.02
7) Phenol-d6	6.48	99	1288434	76.72	ng	0.01
23) Nitrobenzene-d5	7.40	82	779695	57.35	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	296225	79.68	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1437320	60.78	ng	0.00
79) Terphenyl-d14	12.96	244	1421751	56.54	ng	0.01

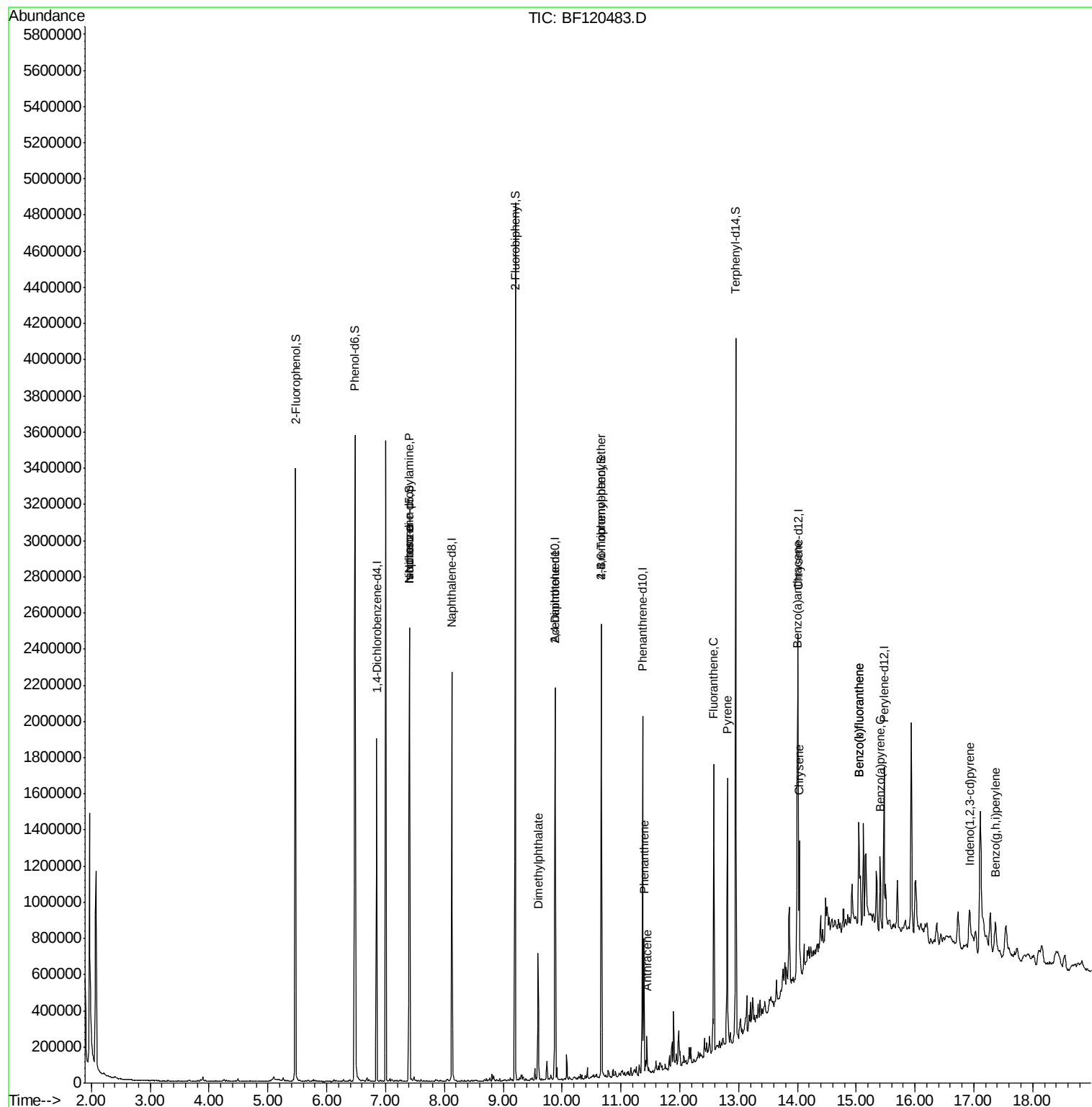
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	104063	9.748	ng	# 79
25) Isophorone	7.40	82	776219	28.407	ng	# 64
50) Dimethylphthalate	9.59	163	240553	9.590	ng	99
57) 2,4-Dinitrotoluene	9.88	165	52393	7.344	ng	# 22
67) 4-Bromophenyl-phenylether	10.67	248	17536	2.537	ng	# 1
71) Phenanthrene	11.39	178	238934	7.920	ng	97
72) Anthracene	11.44	178	76025	2.512	ng	99
75) Fluoranthene	12.58	202	606580	18.687	ng	99
78) Pyrene	12.81	202	587134	15.087	ng	98
81) Benzo(a)anthracene	14.00	228	321453	10.718	ng	97
83) Chrysene	14.03	228	294094	9.354	ng	98
87) Indeno(1,2,3-cd)pyrene	16.92	276	130045	5.305	ng	93
88) Benzo(b)fluoranthene	15.04	252	435266	17.485	ng	# 97
89) Benzo(k)fluoranthene	15.04	252	435266	18.729	ng	# 98
90) Benzo(a)pyrene	15.41	252	217977	10.011	ng	97
92) Benzo(g,h,i)perylene	17.36	276	127333	6.460	ng	99

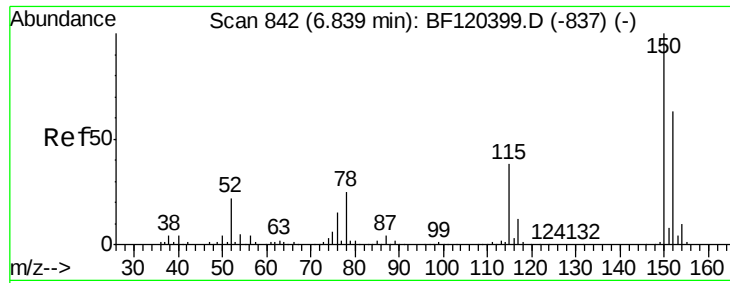
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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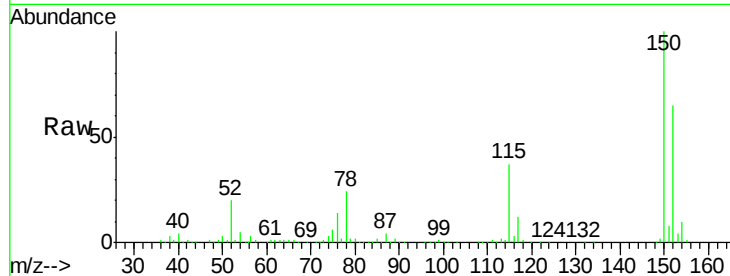


#1

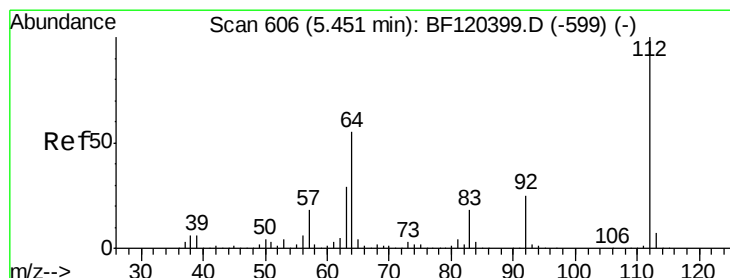
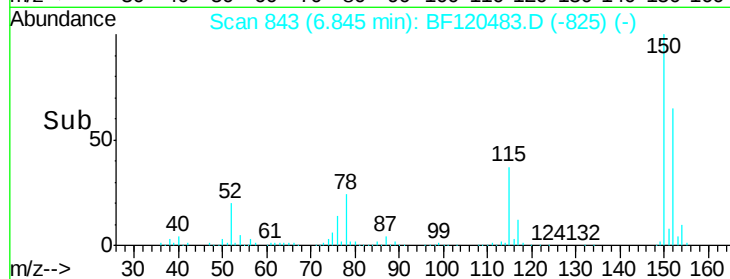
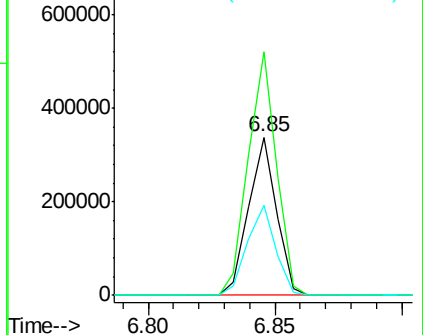
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 843
 Delta R.T. 0.01 min
 Lab File: BF120483.D
 Acq: 1 Jun 2020 20:43

Instrument :
 BNA_F
 ClientSampleId :
 NM85-COMP-2020-0-6

Tot Ion:152 Resp: 259659
 Ion Ratio Lower Upper
 152 100
 150 154.1 126.5 189.7
 115 57.0 47.6 71.4



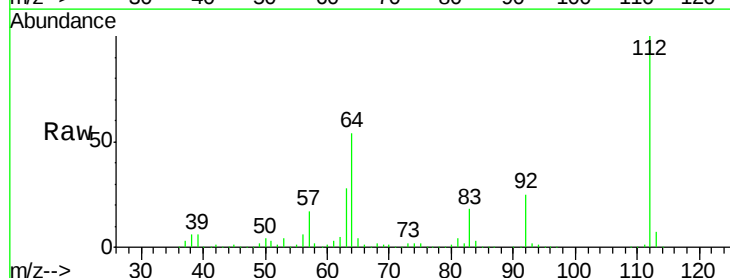
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



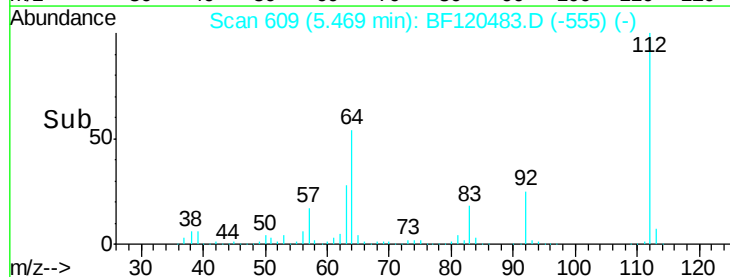
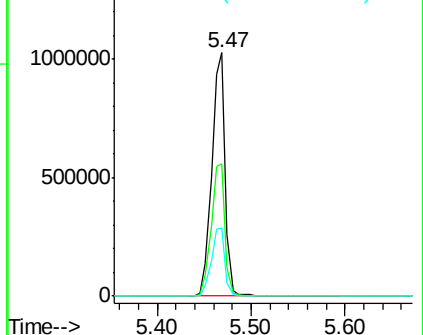
#5

2-Fluorophenol
 Concen: 75.865 ng
 RT: 5.47 min Scan# 609
 Delta R.T. 0.02 min
 Lab File: BF120483.D
 Acq: 1 Jun 2020 20:43

Tgt Ion:112 Resp: 1033669
 Ion Ratio Lower Upper
 112 100
 64 54.2 44.3 66.5
 63 28.0 22.9 34.3



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 76.721 ng

RT: 6.48 min Scan# 781

Delta R.T. 0.01 min

Lab File: BF120483.D

Acq: 1 Jun 2020 20:43

Instrument :

BNA_F

ClientSampleId :

NM85-COMP-2020-0-6

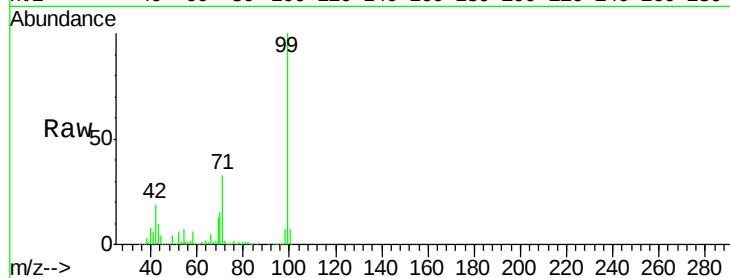
Tot Ion: 99 Resp: 1288434

Ion Ratio Lower Upper

99 100

42 19.0 15.2 22.8

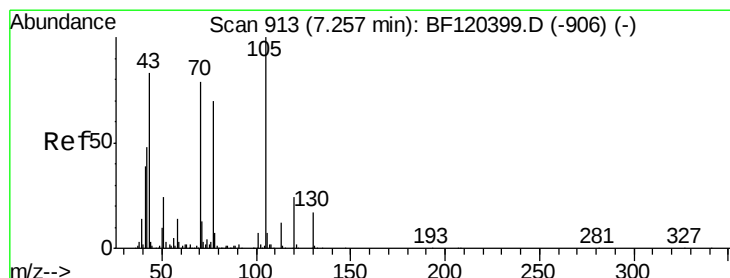
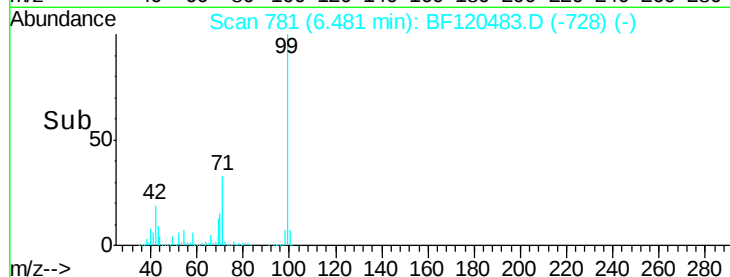
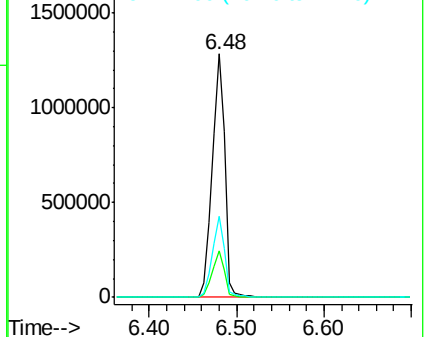
71 33.2 25.6 38.4



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: 9.748 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.15 min

Lab File: BF120483.D

Acq: 1 Jun 2020 20:43

Tgt Ion: 70 Resp: 104063

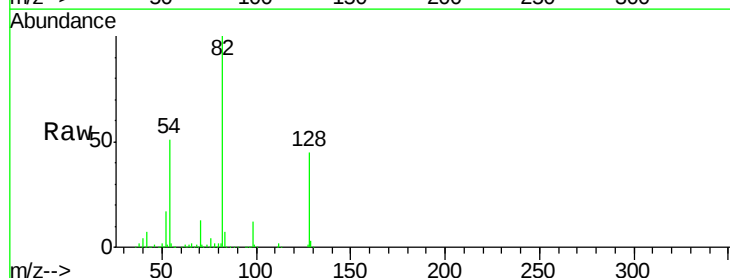
Ion Ratio Lower Upper

70 100

42 50.9 48.9 73.3

101 0.0 7.4 11.2#

130 2.2 16.8 25.2#

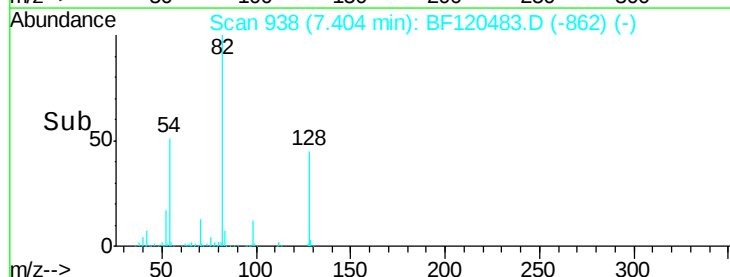
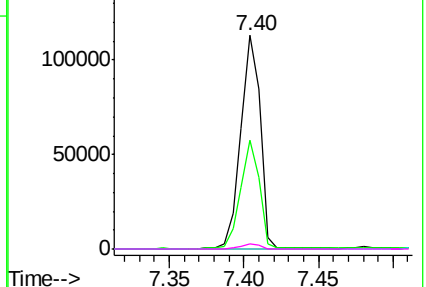


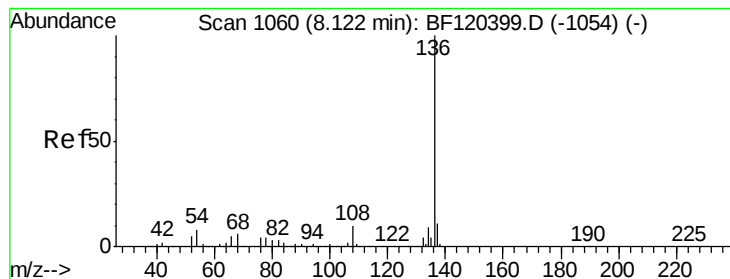
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.13 min Scan# 1061

Delta R.T. 0.01 min

Lab File: BF120483.D

Acq: 1 Jun 2020 20:43

Instrument :

BNA_F

ClientSampleId :

NM85-COMP-2020-0-6

Tot Ion:136 Resp: 889330

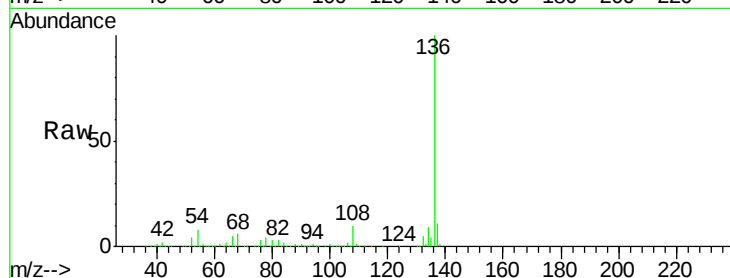
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 7.6 6.7 10.1

68 6.0 5.0 7.4

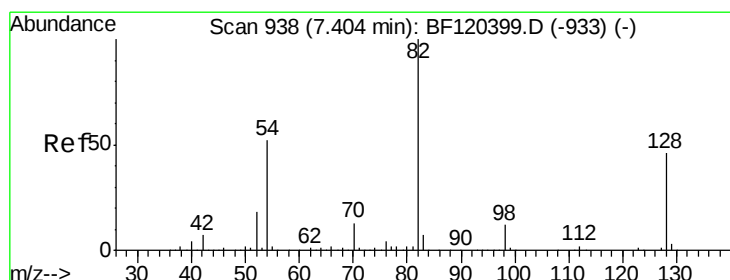
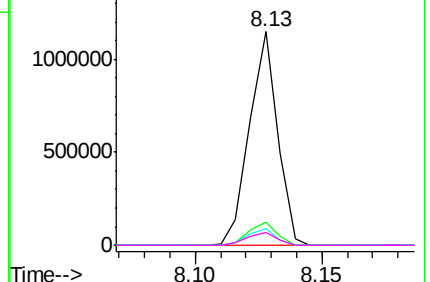
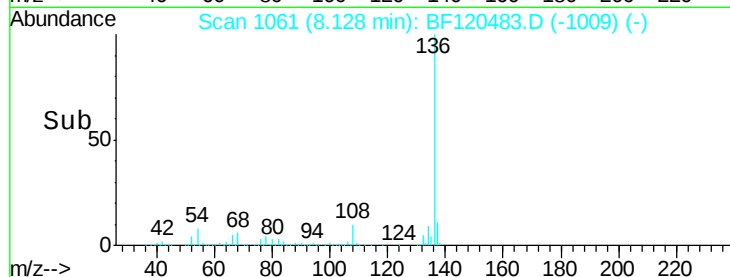


Abundance Ion 136.00 (135.70 to 136.70): E

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: 57.349 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF120483.D

Acq: 1 Jun 2020 20:43

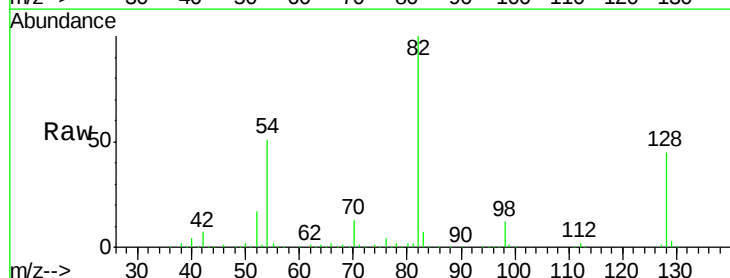
Tgt Ion: 82 Resp: 779695

Ion Ratio Lower Upper

82 100

128 45.4 36.8 55.2

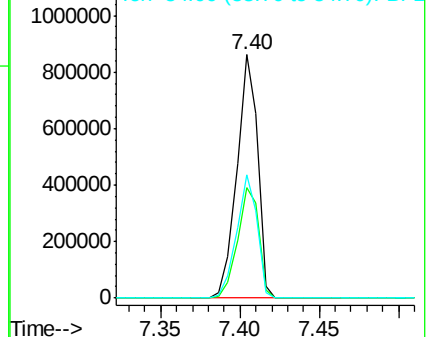
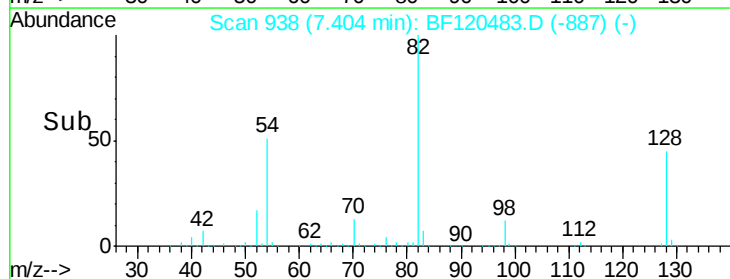
54 50.7 41.6 62.4



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 28.407 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.26 min

Lab File: BF120483.D

Acq: 1 Jun 2020 20:43

Instrument :

BNA_F

ClientSampleId :

NM85-COMP-2020-0-6

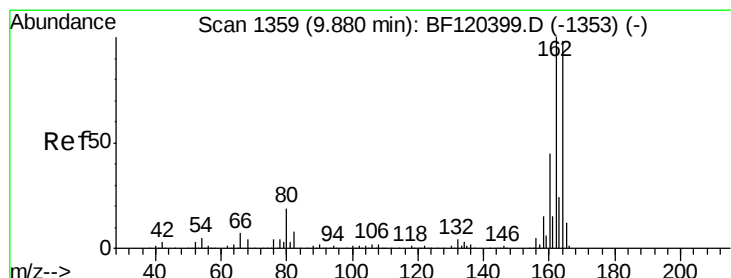
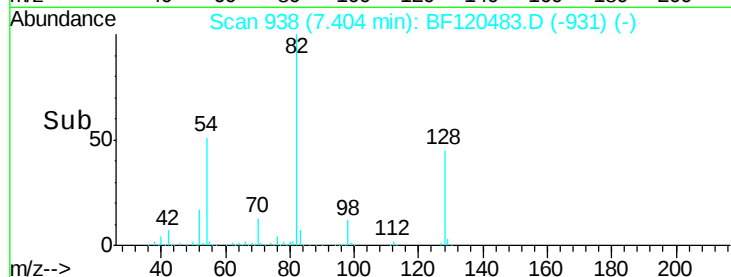
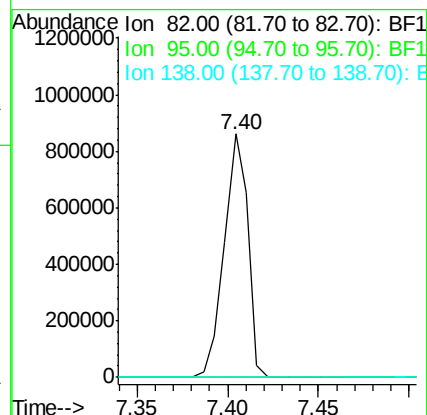
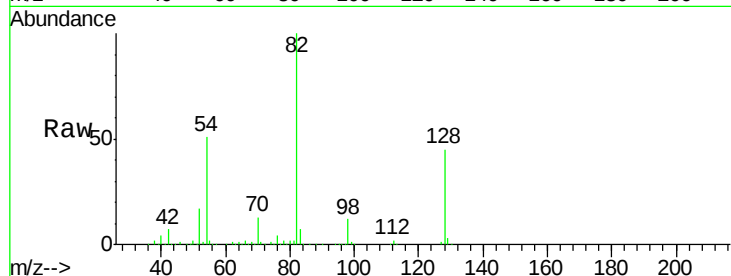
Tot Ion: 82 Resp: 776219

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 15.0 22.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1359

Delta R.T. 0.01 min

Lab File: BF120483.D

Acq: 1 Jun 2020 20:43

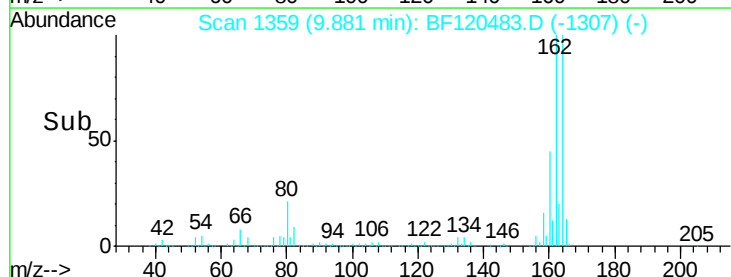
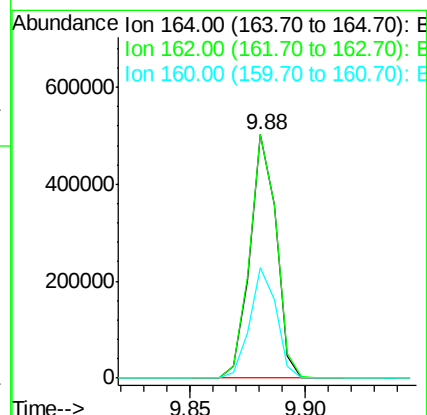
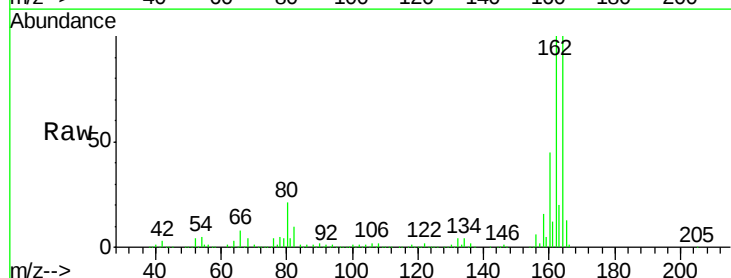
Tgt Ion: 164 Resp: 401239

Ion Ratio Lower Upper

164 100

162 99.8 81.3 121.9

160 45.3 36.9 55.3

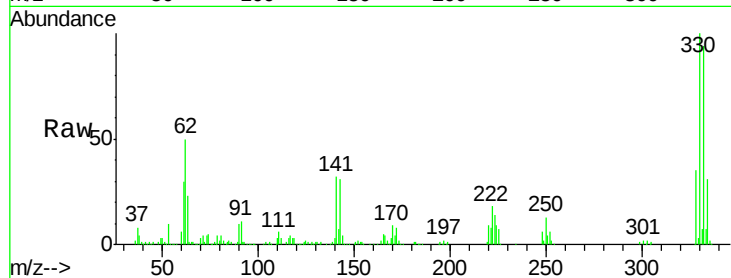




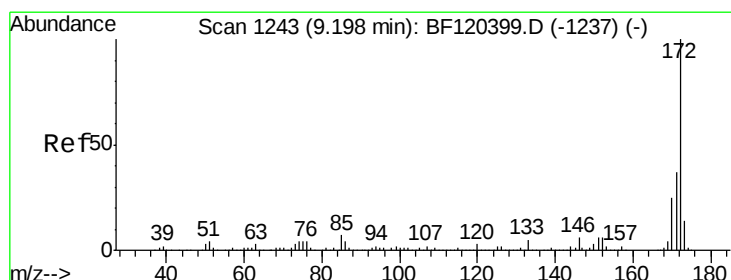
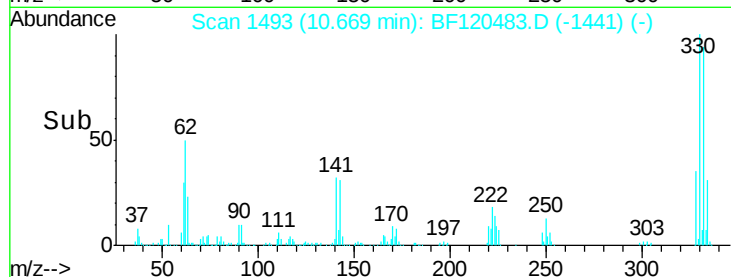
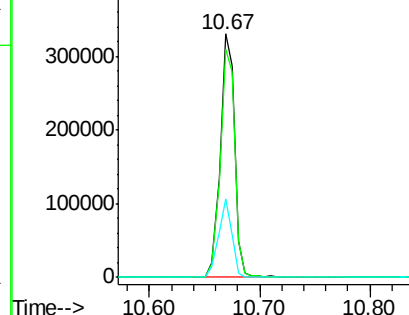
#42
 2,4,6-Tribromophenol
 Concen: 79.681 ng
 RT: 10.67 min Scan# 1493
 Delta R.T. 0.01 min
 Lab File: BF120483.D
 Acq: 1 Jun 2020 20:43

Instrument :
 BNA_F
 ClientSampleId :
 NM85-COMP-2020-0-6

Tot Ion:330 Resp: 296225
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.0 115.6
 141 29.7 25.3 37.9

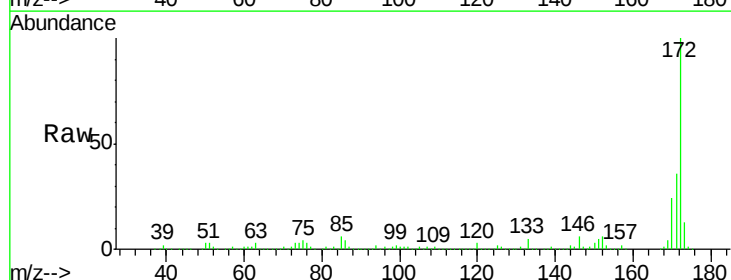


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

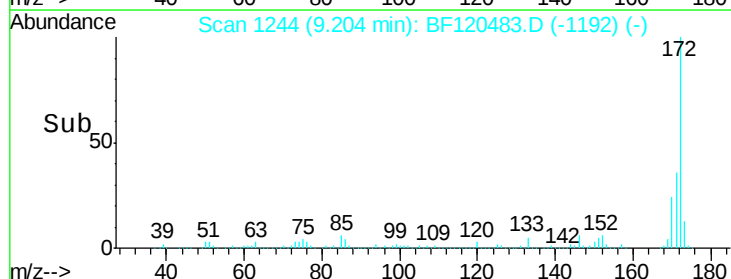
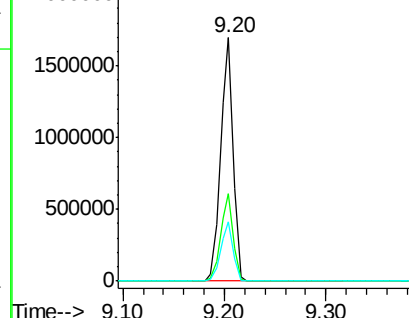


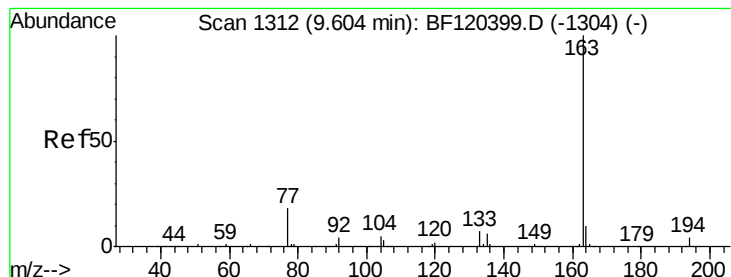
#45
 2-Fluorobiphenyl
 Concen: 60.779 ng
 RT: 9.20 min Scan# 1244
 Delta R.T. 0.01 min
 Lab File: BF120483.D
 Acq: 1 Jun 2020 20:43

Tgt Ion:172 Resp: 1437320
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 24.4 19.9 29.9



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 9.590 ng

RT: 9.59 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF120483.D

Acq: 1 Jun 2020 20:43

Instrument :

BNA_F

ClientSampleId :

NM85-COMP-2020-0-6

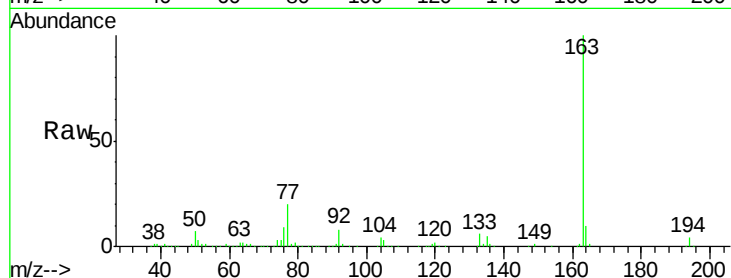
Tot Ion:163 Resp: 240553

Ion Ratio Lower Upper

163 100

194 3.7 3.3 4.9

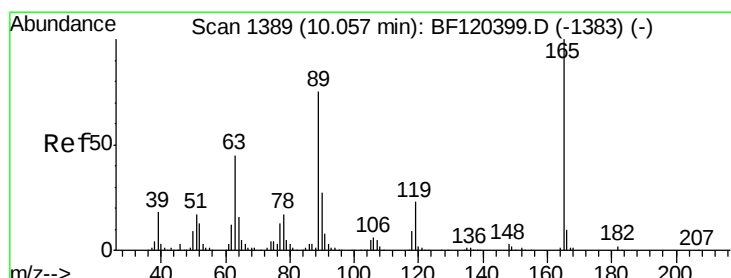
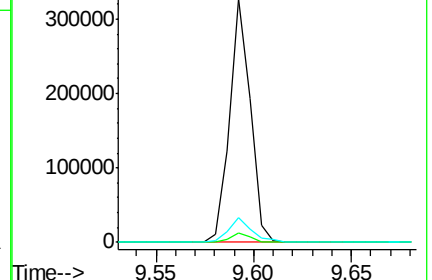
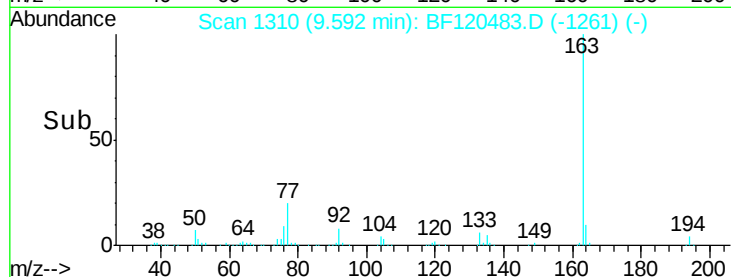
164 10.1 8.3 12.5



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: 7.344 ng

RT: 9.88 min Scan# 1359

Delta R.T. -0.18 min

Lab File: BF120483.D

Acq: 1 Jun 2020 20:43

Tgt Ion:165 Resp: 52393

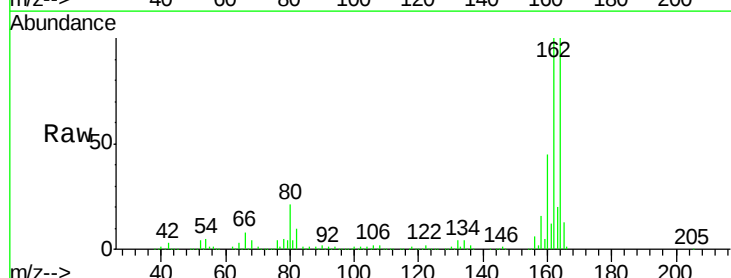
Ion Ratio Lower Upper

165 100

63 1.1 35.9 53.9#

89 1.2 60.0 90.0#

182 0.0 2.0 3.0#

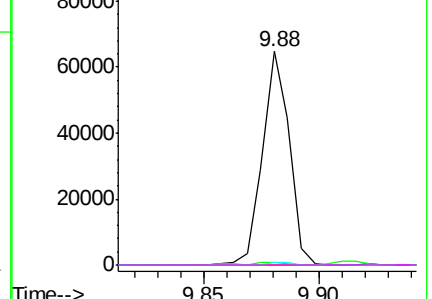
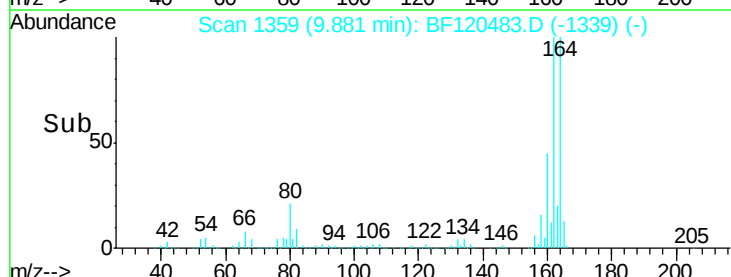


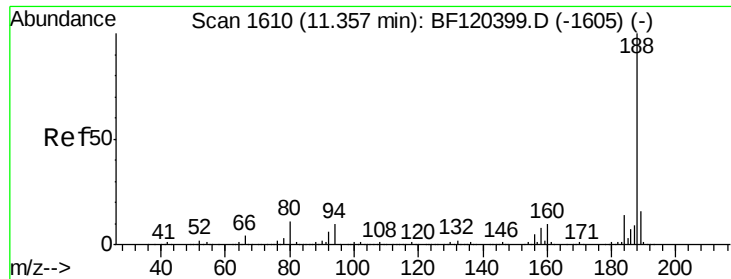
Abundance Ion 165.00 (164.70 to 165.70): E

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

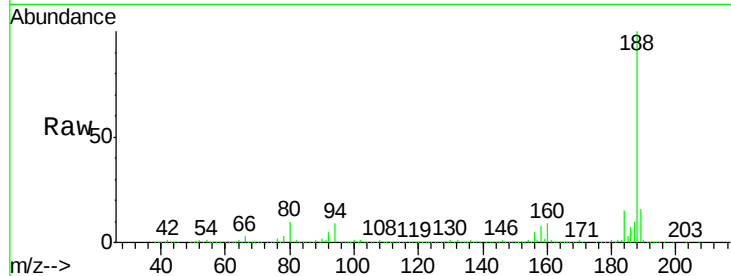




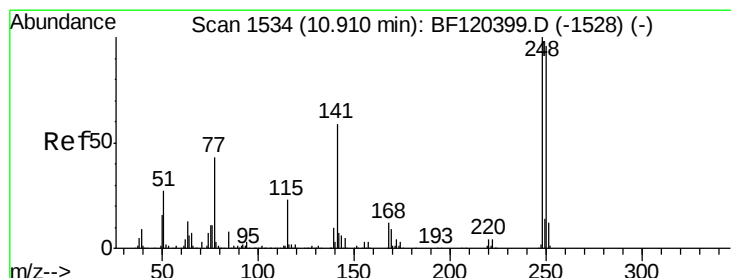
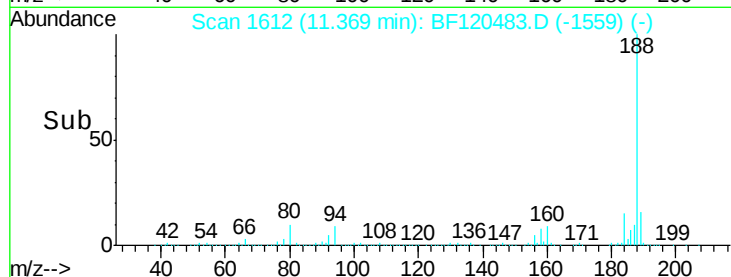
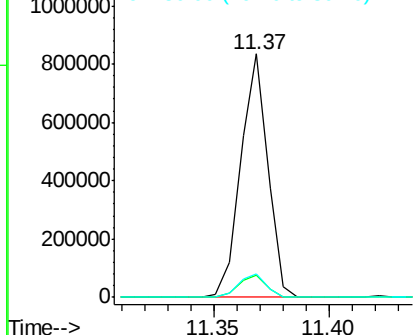
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1612
 Delta R.T. 0.01 min
 Lab File: BF120483.D
 Acq: 1 Jun 2020 20:43

Instrument :
 BNA_F
 ClientSampleId :
 NM85-COMP-2020-0-6

Tot Ion:188 Resp: 684642
 Ion Ratio Lower Upper
 188 100
 94 9.0 7.9 11.9
 80 9.6 8.6 13.0

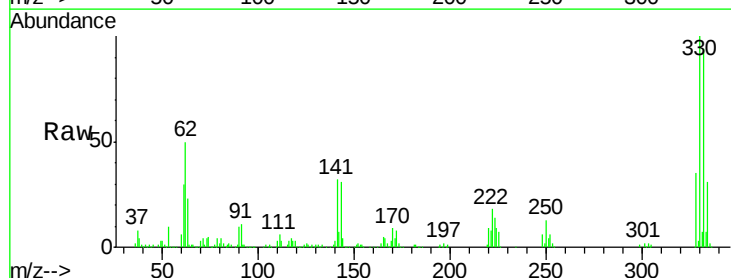


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

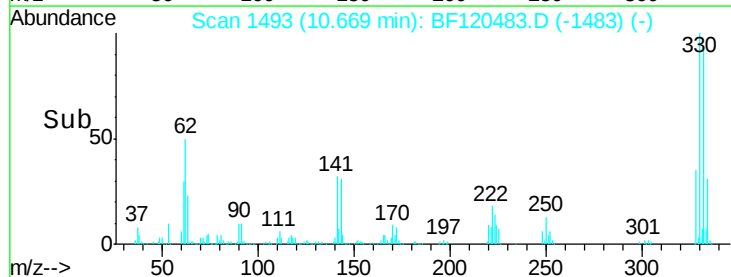
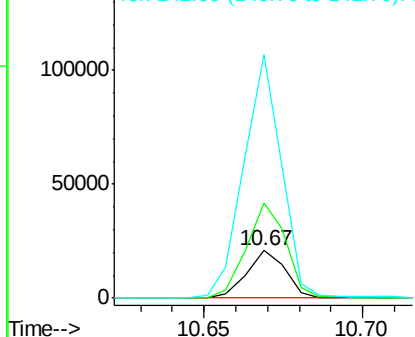


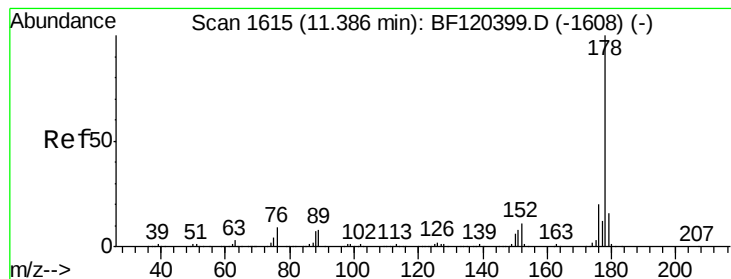
#67
 4-Bromophenyl-phenylether
 Concen: 2.537 ng
 RT: 10.67 min Scan# 1493
 Delta R.T. -0.24 min
 Lab File: BF120483.D
 Acq: 1 Jun 2020 20:43

Tgt Ion:248 Resp: 17536
 Ion Ratio Lower Upper
 248 100
 250 200.3 76.5 114.7#
 141 511.0 47.2 70.8#



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: 7.920 ng

RT: 11.39 min Scan# 1616

Delta R.T. 0.01 min

Lab File: BF120483.D

Acq: 1 Jun 2020 20:43

Instrument :

BNA_F

ClientSampleId :

NM85-COMP-2020-0-6

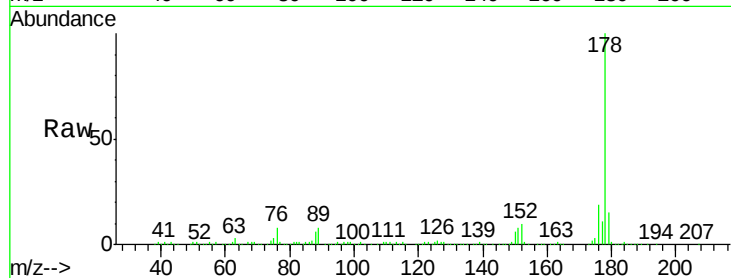
Tot Ion:178 Resp: 238934

Ion Ratio Lower Upper

178 100

176 19.1 16.4 24.6

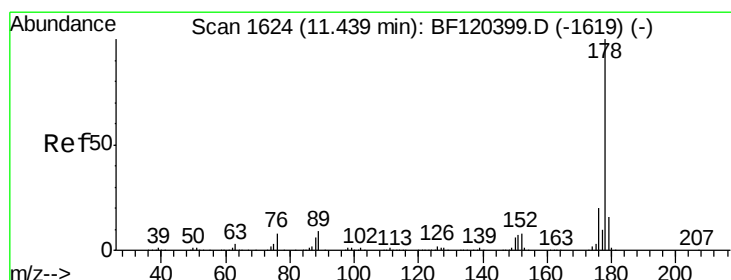
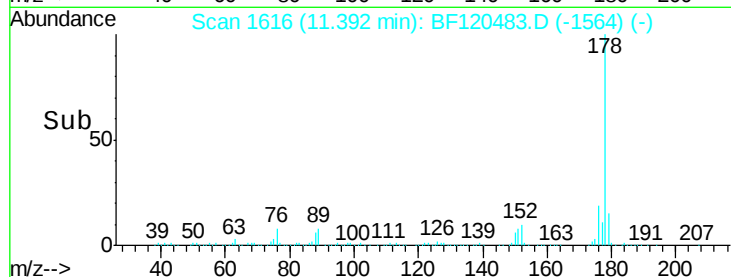
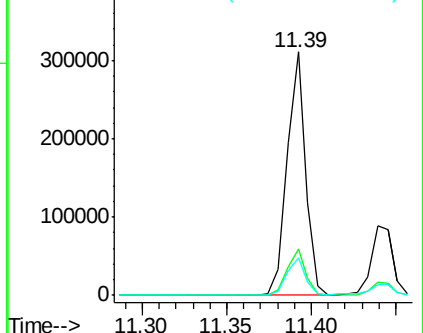
179 15.3 13.0 19.4



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: 2.512 ng

RT: 11.44 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BF120483.D

Acq: 1 Jun 2020 20:43

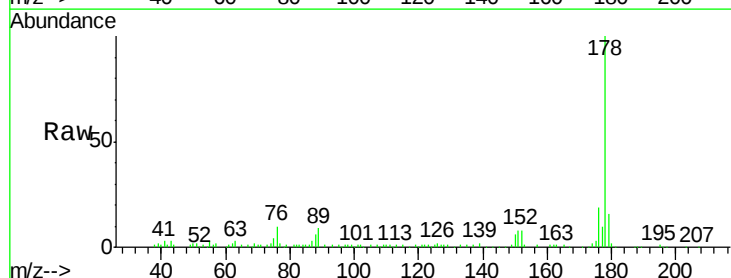
Tgt Ion:178 Resp: 76025

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.6

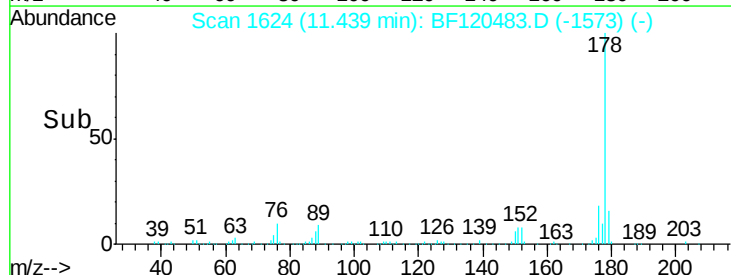
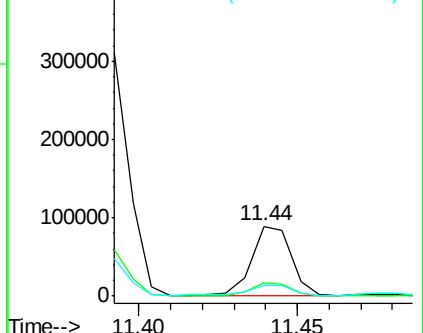
179 15.8 12.8 19.2

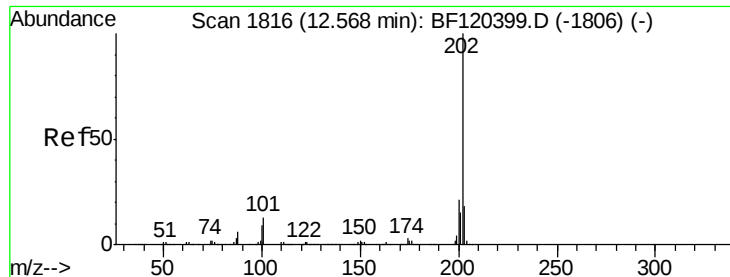


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 18.687 ng

RT: 12.58 min Scan# 1818

Delta R.T. 0.01 min

Lab File: BF120483.D

Acq: 1 Jun 2020 20:43

Instrument :

BNA_F

ClientSampleId :

NM85-COMP-2020-0-6

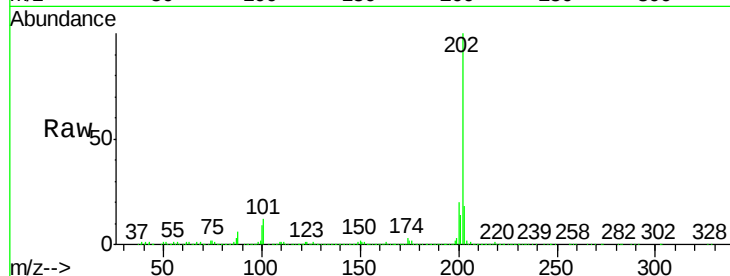
Tot Ion:202 Resp: 606580

Ion Ratio Lower Upper

202 100

101 11.9 0.0 32.6

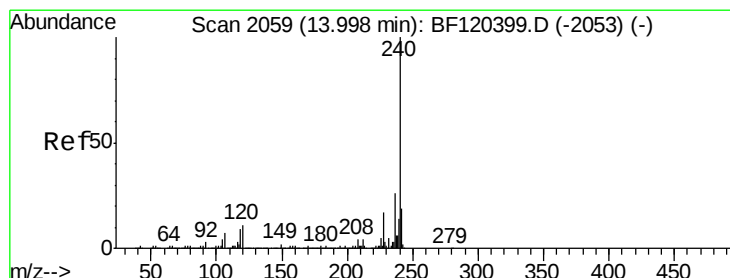
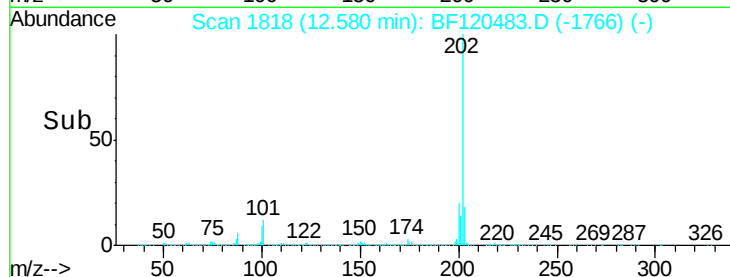
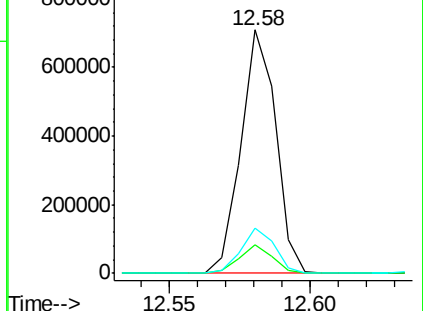
203 18.3 0.0 38.4



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: 14.01 min Scan# 2061

Delta R.T. 0.01 min

Lab File: BF120483.D

Acq: 1 Jun 2020 20:43

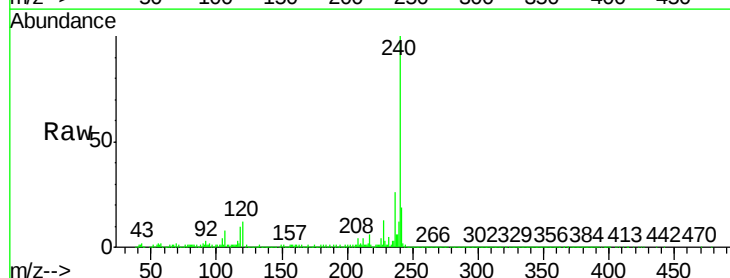
Tgt Ion:240 Resp: 559586

Ion Ratio Lower Upper

240 100

120 11.8 8.8 13.2

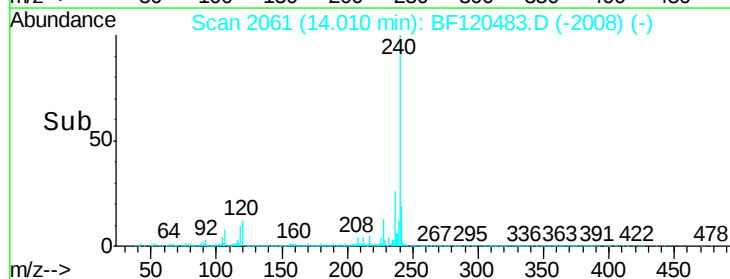
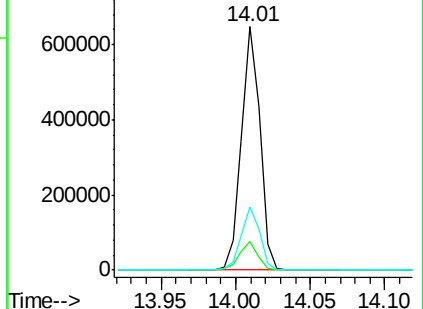
236 25.9 21.0 31.4

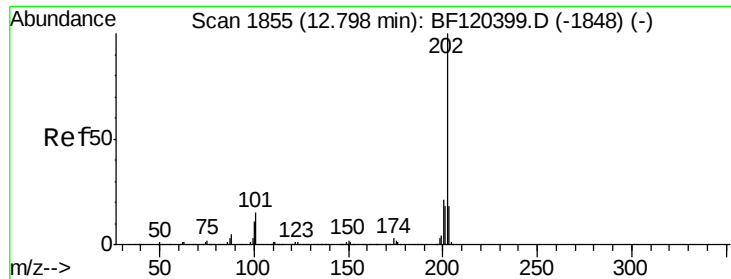


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 15.087 ng

RT: 12.81 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BF120483.D

Acq: 1 Jun 2020 20:43

Instrument :

BNA_F

ClientSampleId :

NM85-COMP-2020-0-6

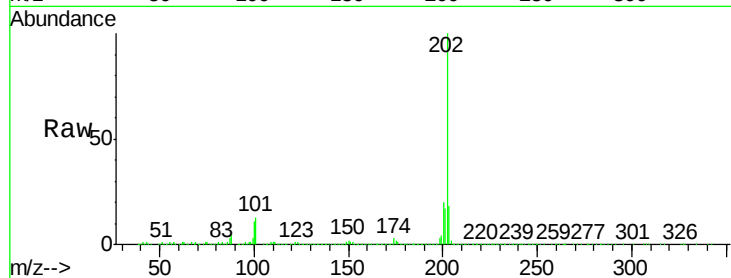
Tot Ion:202 Resp: 587134

Ion Ratio Lower Upper

202 100

200 20.2 17.0 25.4

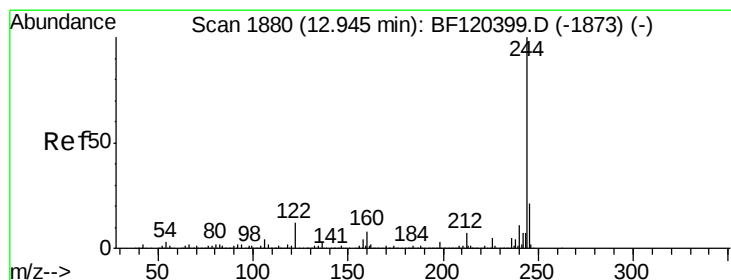
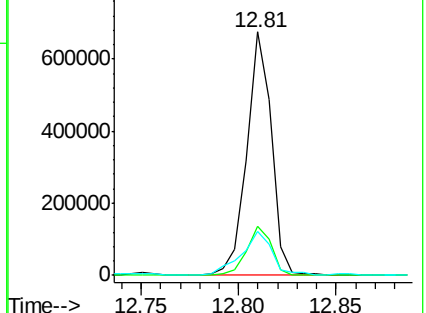
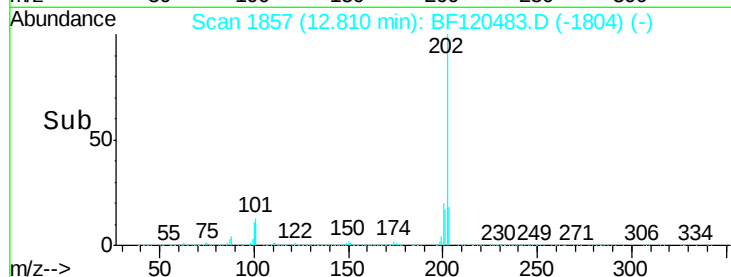
203 18.0 14.7 22.1



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: 56.537 ng

RT: 12.96 min Scan# 1882

Delta R.T. 0.01 min

Lab File: BF120483.D

Acq: 1 Jun 2020 20:43

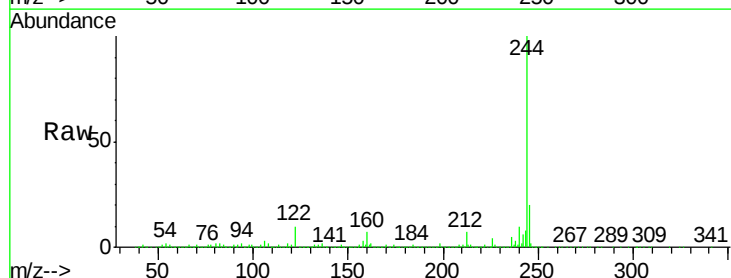
Tgt Ion:244 Resp: 1421751

Ion Ratio Lower Upper

244 100

212 6.6 5.9 8.9

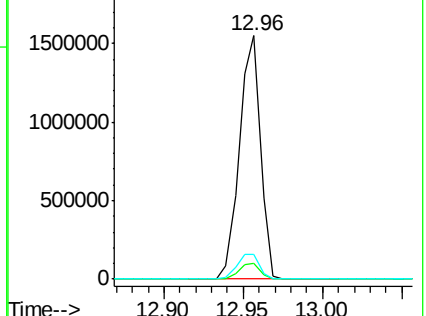
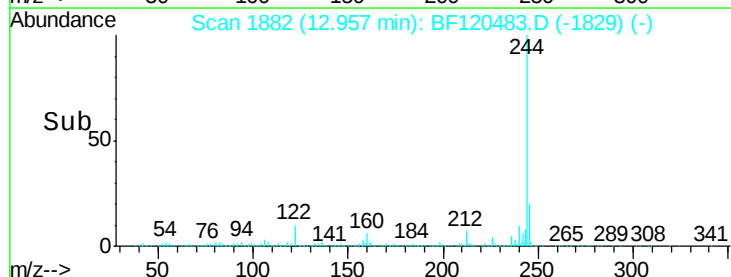
122 10.2 9.2 13.8

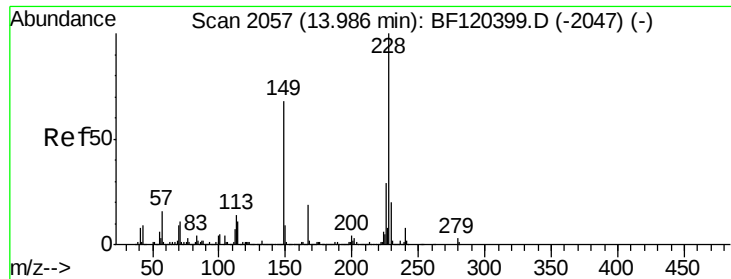


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 10.718 ng

RT: 14.00 min Scan# 2059

Delta R.T. 0.01 min

Lab File: BF120483.D

Acq: 1 Jun 2020 20:43

Instrument :

BNA_F

ClientSampleId :

NM85-COMP-2020-0-6

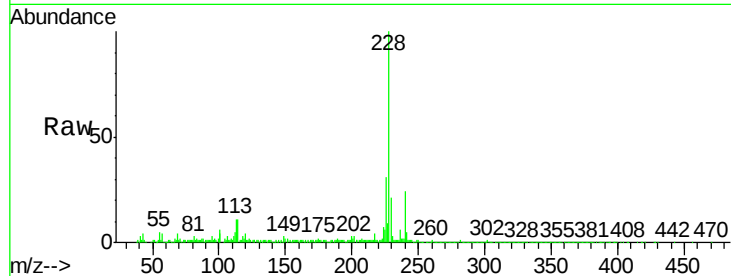
Tot Ion:228 Resp: 321453

Ion Ratio Lower Upper

228 100

226 30.5 23.0 34.4

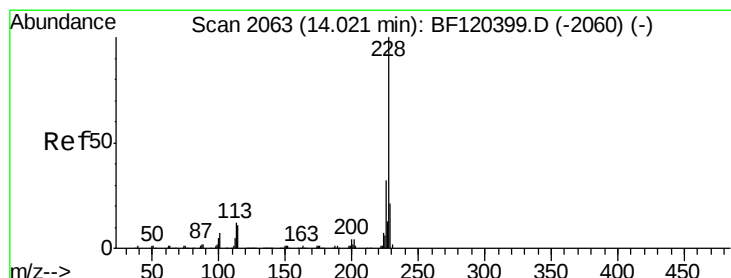
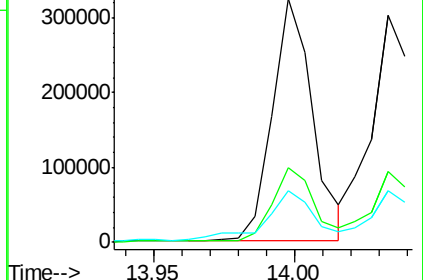
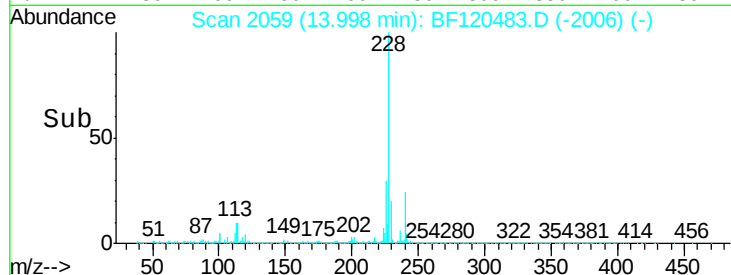
229 21.0 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 9.354 ng

RT: 14.03 min Scan# 2065

Delta R.T. 0.01 min

Lab File: BF120483.D

Acq: 1 Jun 2020 20:43

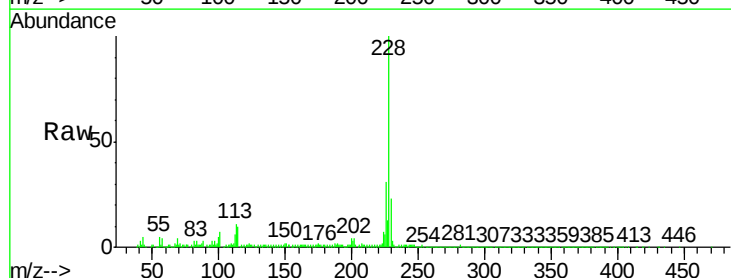
Tgt Ion:228 Resp: 294094

Ion Ratio Lower Upper

228 100

226 31.3 25.6 38.4

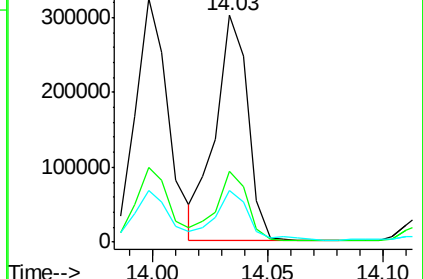
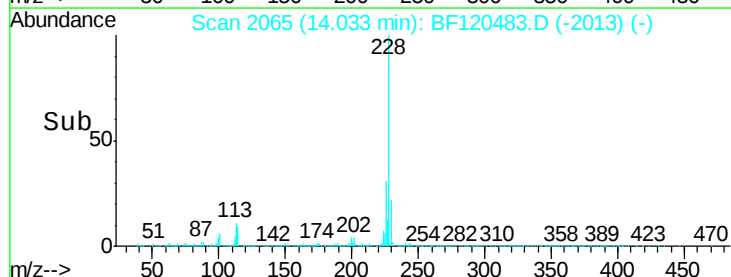
229 22.8 16.6 25.0

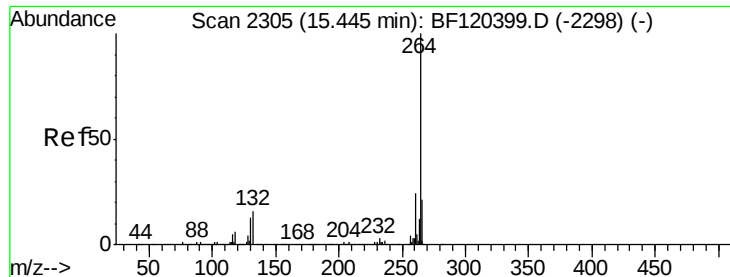


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



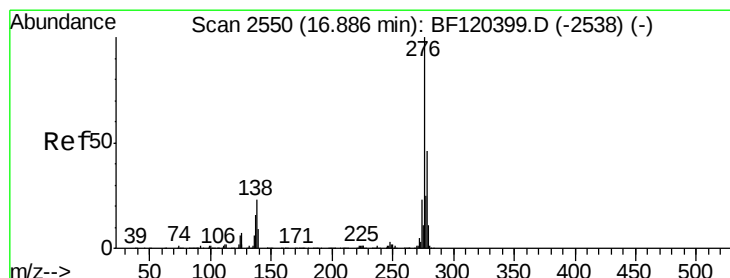
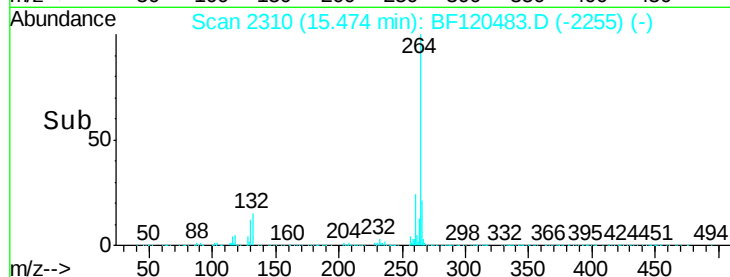
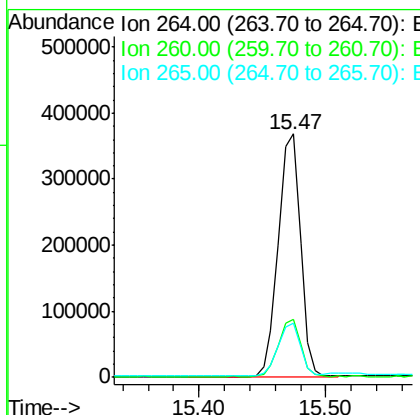
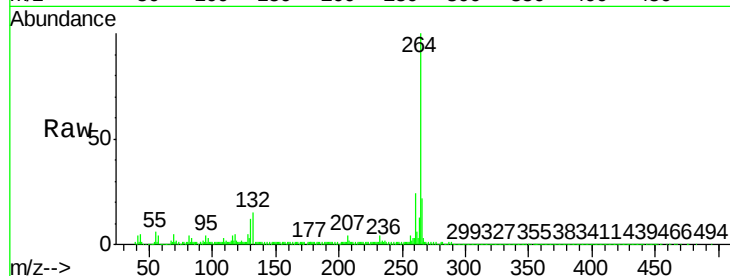


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2310
Delta R.T. 0.02 min
Lab File: BF120483.D
Acq: 1 Jun 2020 20:43

Instrument :
BNA_F
ClientSampleId :
NM85-COMP-2020-0-6

Tot Ion:264 Resp: 448190

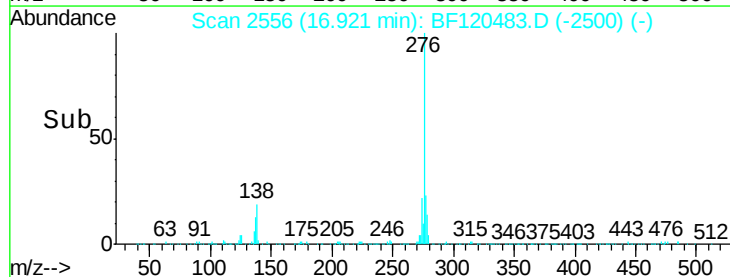
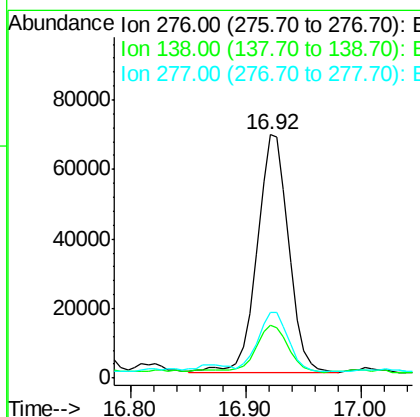
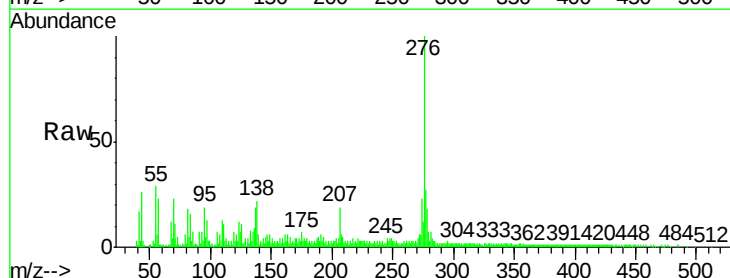
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.1	16.9	25.3

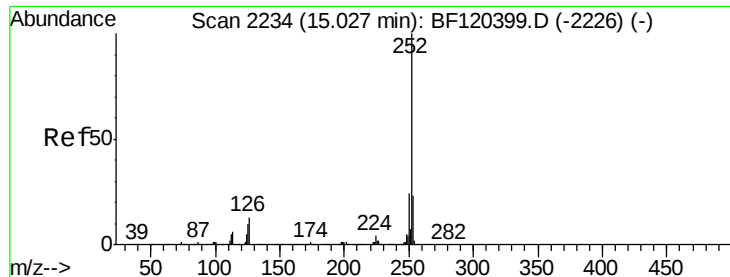


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.305 ng
RT: 16.92 min Scan# 2556
Delta R.T. 0.03 min
Lab File: BF120483.D
Acq: 1 Jun 2020 20:43

Tgt Ion:276 Resp: 130045

Ion	Ratio	Lower	Upper
276	100		
138	20.5	20.4	30.6
277	23.8	20.4	30.6





#88

Benzo(b)fluoranthene

Concen: 17.485 ng

RT: 15.04 min Scan# 2237

Delta R.T. 0.02 min

Lab File: BF120483.D

Acq: 1 Jun 2020 20:43

Instrument :

BNA_F

ClientSampleId :

NM85-COMP-2020-0-6

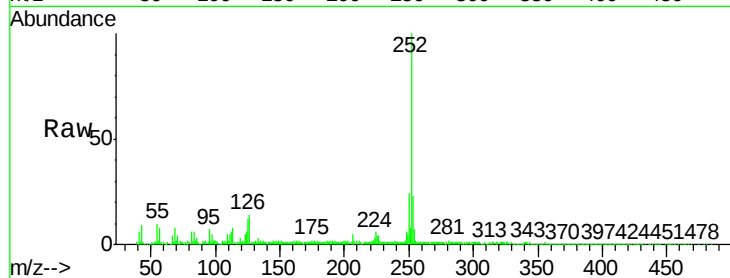
Tot Ion:252 Resp: 435266

Ion Ratio Lower Upper

252 100

253 23.5 18.1 27.1

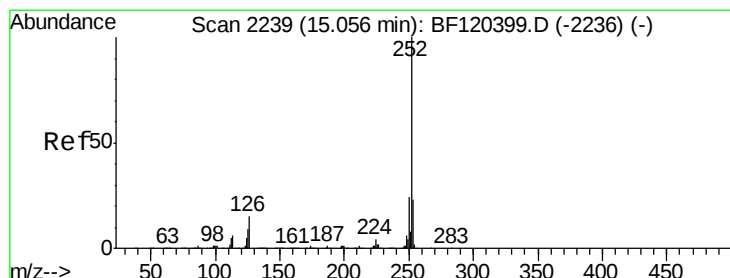
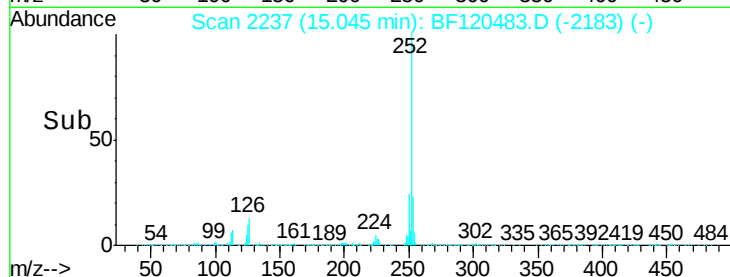
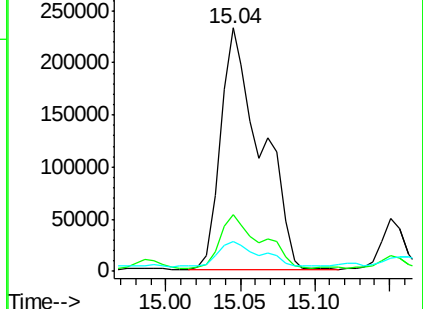
125 12.3 7.8 11.8#



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



#89

Benzo(k)fluoranthene

Concen: 18.729 ng

RT: 15.04 min Scan# 2237

Delta R.T. -0.02 min

Lab File: BF120483.D

Acq: 1 Jun 2020 20:43

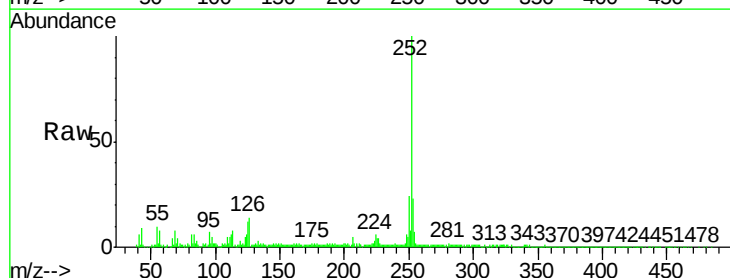
Tgt Ion:252 Resp: 435266

Ion Ratio Lower Upper

252 100

253 23.5 18.5 27.7

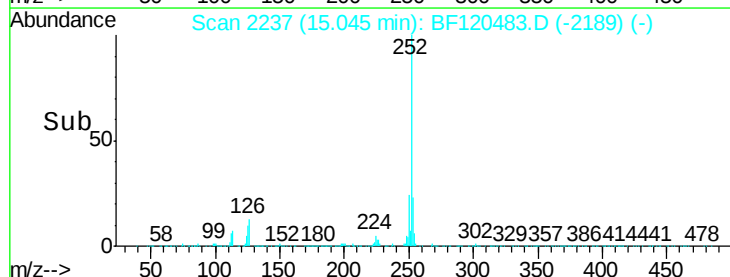
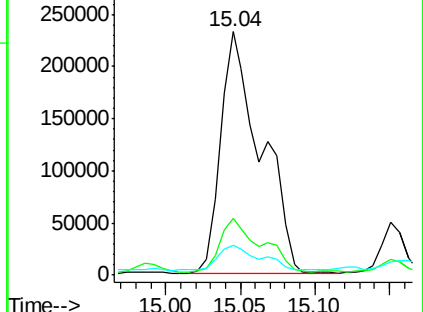
125 12.3 8.0 12.0#

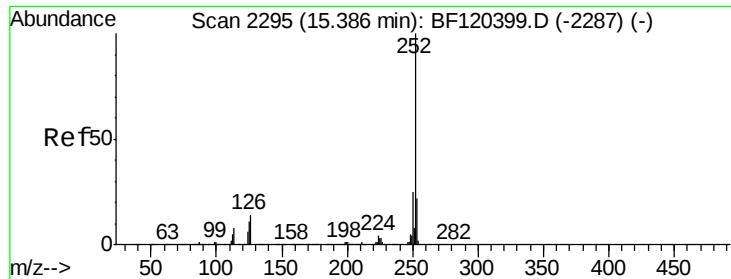


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 10.011 ng

RT: 15.41 min Scan# 2299

Delta R.T. 0.02 min

Lab File: BF120483.D

Acq: 1 Jun 2020 20:43

Instrument :

BNA_F

ClientSampleId :

NM85-COMP-2020-0-6

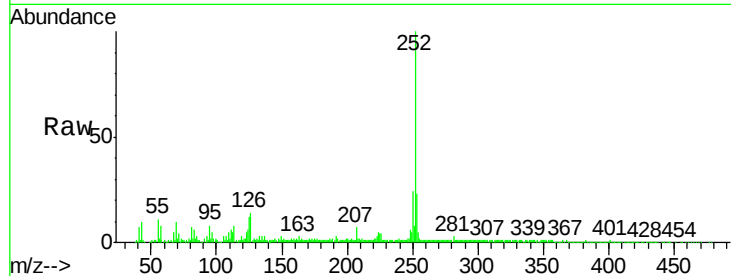
Tot Ion:252 Resp: 217977

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

125 12.2 8.7 13.1

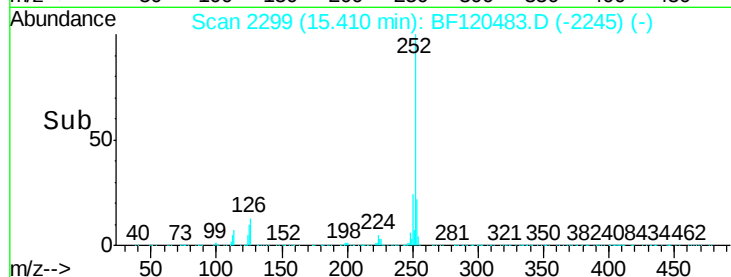


Abundance Ion 252.00 (251.70 to 252.70): E

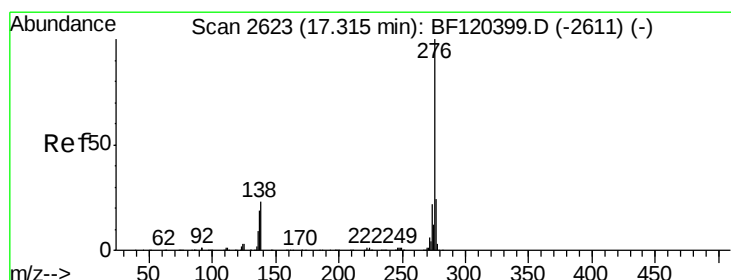
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



Time-->



#92

Benzo(g,h,i)perylene

Concen: 6.460 ng

RT: 17.36 min Scan# 2631

Delta R.T. 0.04 min

Lab File: BF120483.D

Acq: 1 Jun 2020 20:43

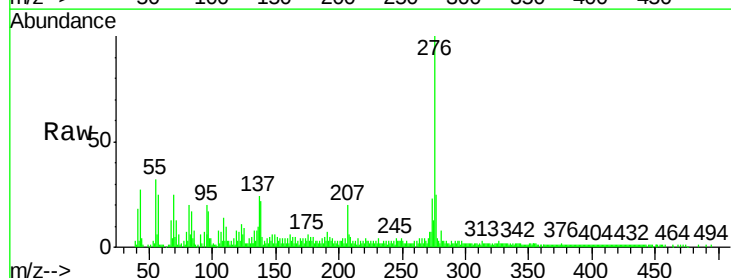
Tgt Ion:276 Resp: 127333

Ion Ratio Lower Upper

276 100

277 25.3 19.5 29.3

138 22.4 18.1 27.1

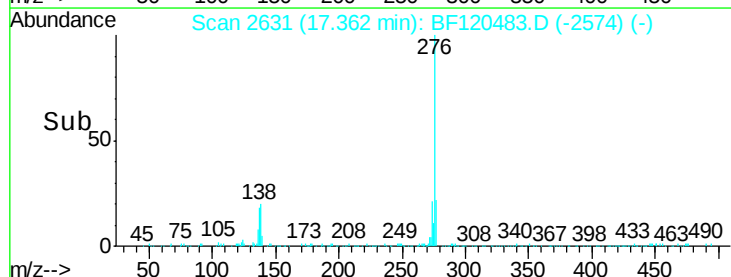


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

Time-->



Time-->