

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060120\
 Data File : BF120482.D
 Acq On : 1 Jun 2020 20:16
 Operator : JU/CG
 Sample : L2505-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-052720

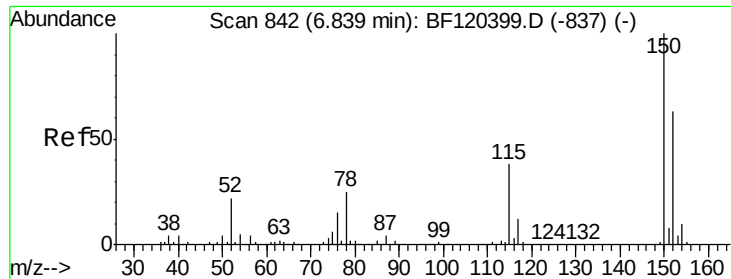
Quant Time: Jun 01 23:47:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 12:39:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	201368	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	740247	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	357355	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	610525	20.00	ng	0.01
76) Chrysene-d12	14.01	240	455563	20.00	ng	0.01
86) Perylene-d12	15.47	264	371768	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	933638	88.36	ng	0.01
7) Phenol-d6	6.48	99	1166577	89.57	ng	0.01
23) Nitrobenzene-d5	7.40	82	706441	62.43	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	304443	91.95	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1362519	64.69	ng	0.00
79) Terphenyl-d14	12.96	244	1344729	65.68	ng	0.01

Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.40	70	94451	11.409	ng	# 78
25) Isophorone	7.40	82	702417	30.883	ng	# 64
50) Dimethylphthalate	9.59	163	281307	12.592	ng	99
54) 2,4-Dinitrophenol	10.17	184	114	7.663	ng	# 22
57) 2,4-Dinitrotoluene	9.88	165	50154	7.893	ng	# 23
67) 4-Bromophenyl-phenylether	10.67	248	17729	2.877	ng	# 1
71) Phenanthrene	11.39	178	264027	9.815	ng	97
72) Anthracene	11.44	178	110740	4.103	ng	99
75) Fluoranthene	12.59	202	586511	20.262	ng	96
78) Pyrene	12.82	202	553263	17.463	ng	99
81) Benzo(a)anthracene	14.00	228	286796	11.746	ng	96
83) Chrysene	14.03	228	258314	10.092	ng	95
87) Indeno(1,2,3-cd)pyrene	16.93	276	115042	5.658	ng	95
88) Benzo(b)fluoranthene	15.05	252	384546	18.623	ng	# 93
89) Benzo(k)fluoranthene	15.05	252	384546	19.948	ng	# 94
90) Benzo(a)pyrene	15.41	252	202907	11.234	ng	# 93
92) Benzo(a,h,i)perylene	17.37	276	112258	6.866	ng	95

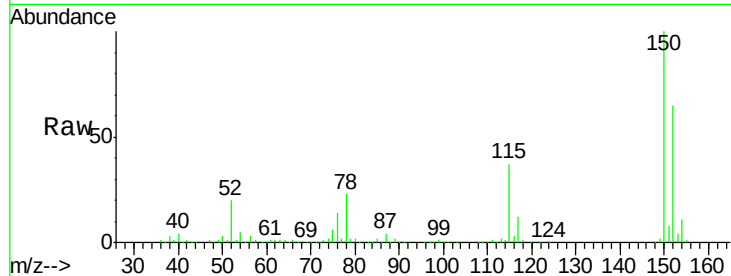
(#) = qualifier out of range (m) = manual integration (+) = signals summed



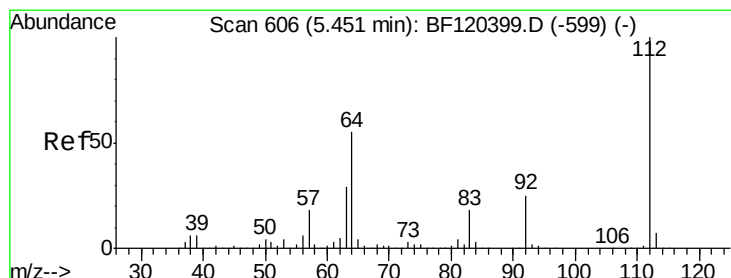
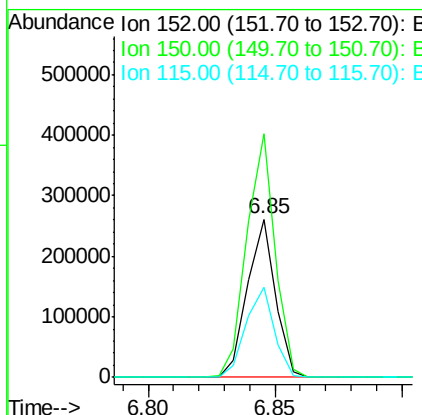
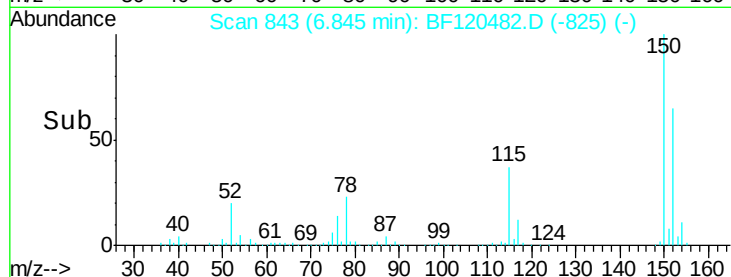
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 843
 Delta R.T. 0.01 min
 Lab File: BF120482.D
 Acq: 1 Jun 2020 20:16

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-052720

Tot Ion:152 Resp: 201368
 Ion Ratio Lower Upper
 152 100
 150 153.7 126.5 189.7
 115 56.4 47.6 71.4

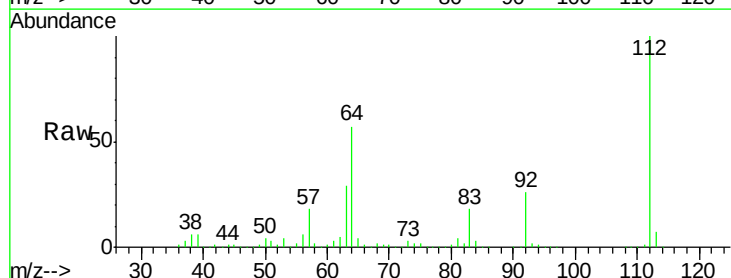


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

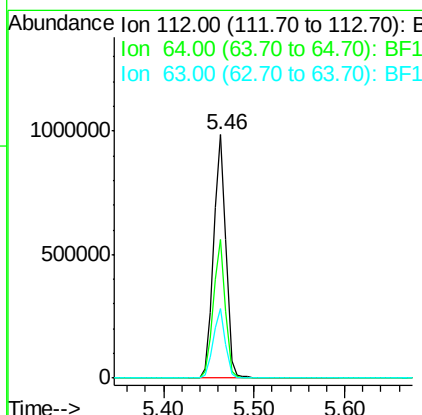
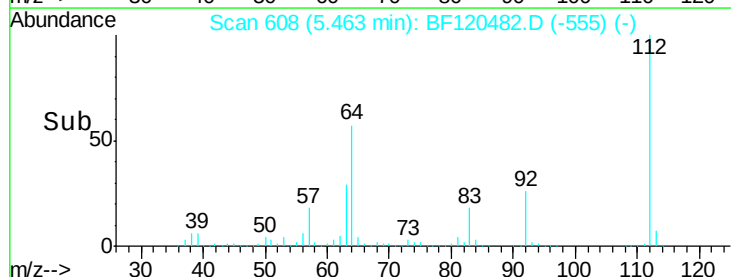


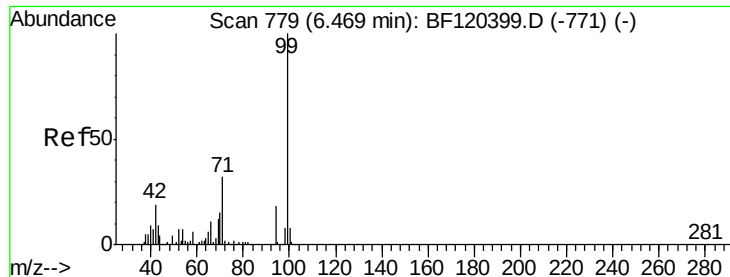
#5
 2-Fluorophenol
 Concen: 88.360 ng
 RT: 5.46 min Scan# 608
 Delta R.T. 0.01 min
 Lab File: BF120482.D
 Acq: 1 Jun 2020 20:16

Tgt Ion:112 Resp: 933638
 Ion Ratio Lower Upper
 112 100
 64 56.9 44.3 66.5
 63 28.8 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: 89.573 ng

RT: 6.48 min Scan# 781

Delta R.T. 0.01 min

Lab File: BF120482.D

Acq: 1 Jun 2020 20:16

Instrument :

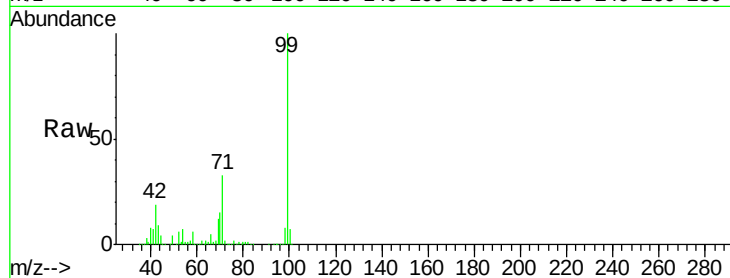
BNA_F

ClientSampleId :

SU-01-052720

Tot Ion: 99 Resp: 1166577

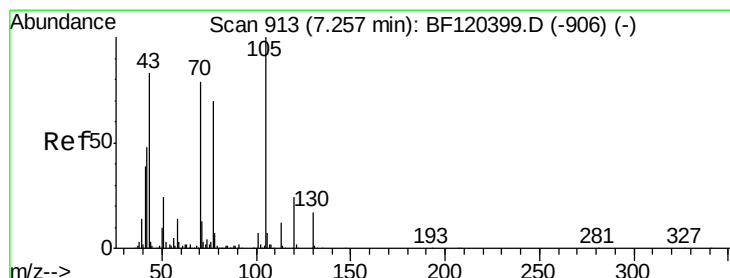
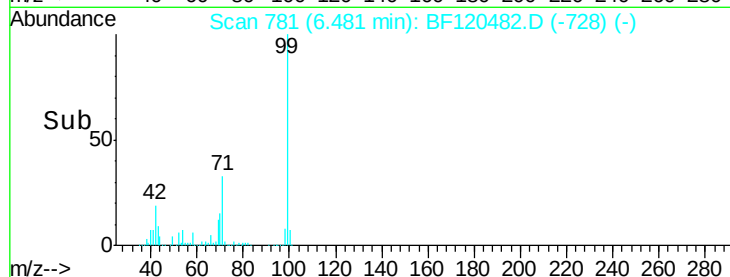
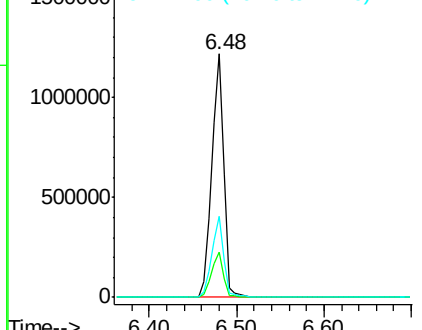
Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.2	22.8
71	33.3	25.6	38.4



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: 11.409 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.15 min

Lab File: BF120482.D

Acq: 1 Jun 2020 20:16

Tgt Ion: 70 Resp: 94451

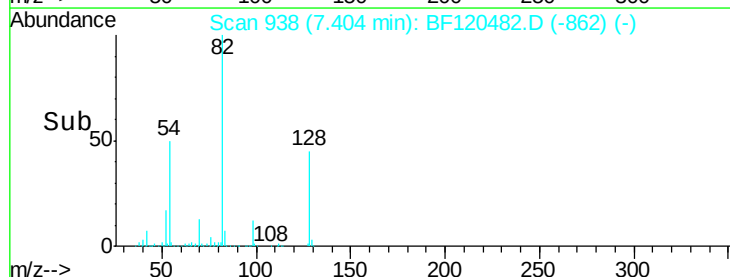
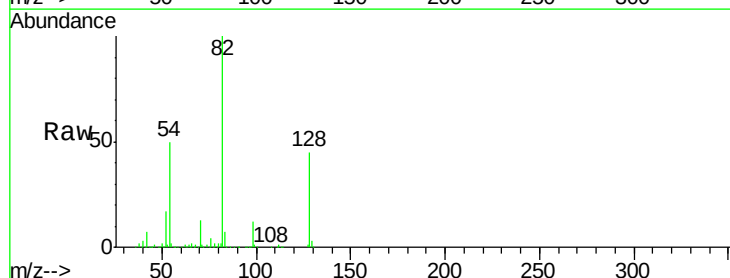
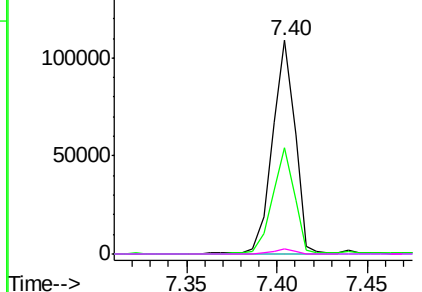
Ion	Ratio	Lower	Upper
70	100		
42	49.9	48.9	73.3
101	0.0	7.4	11.2#
130	2.4	16.8	25.2#

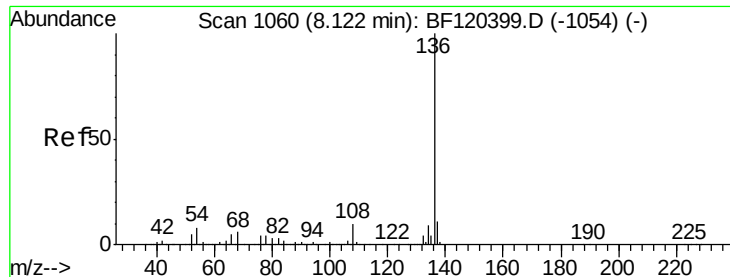
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF120482.D

Acq: 1 Jun 2020 20:16

Instrument :

BNA_F

ClientSampleId :

SU-01-052720

Tot Ion:136 Resp: 740247

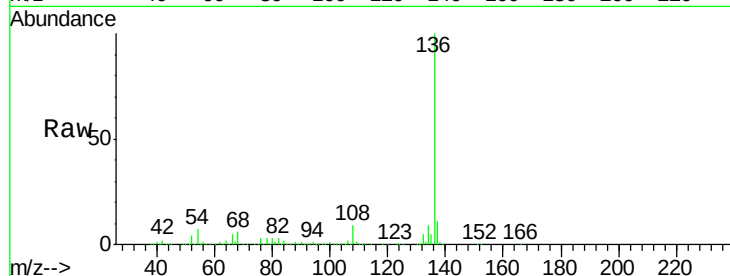
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 7.2 6.7 10.1

68 5.8 5.0 7.4

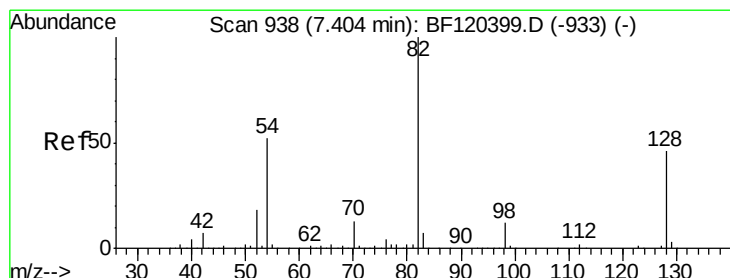
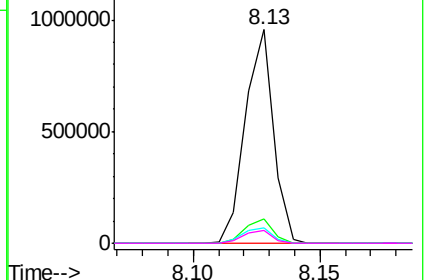
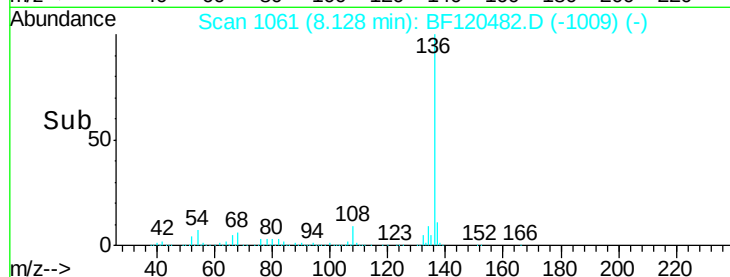


Abundance Ion 136.00 (135.70 to 136.70): E

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: 62.426 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF120482.D

Acq: 1 Jun 2020 20:16

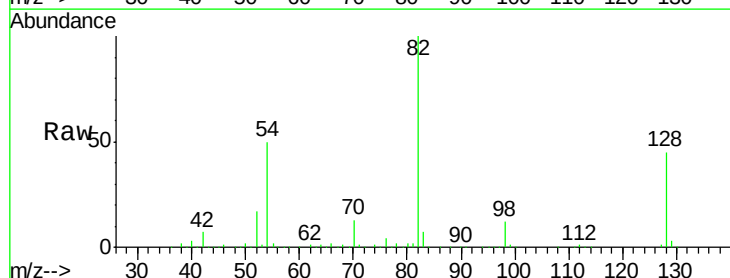
Tgt Ion: 82 Resp: 706441

Ion Ratio Lower Upper

82 100

128 45.2 36.8 55.2

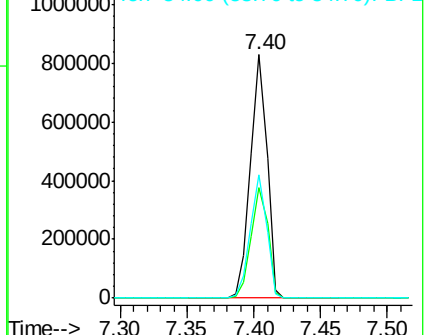
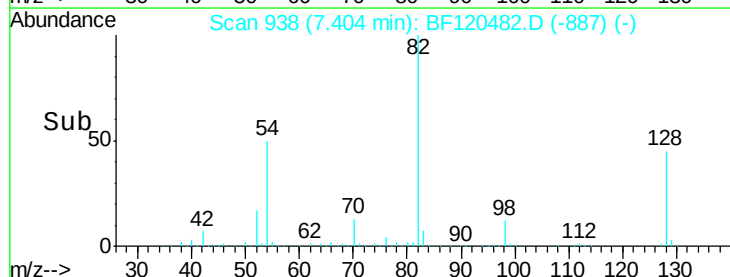
54 50.4 41.6 62.4

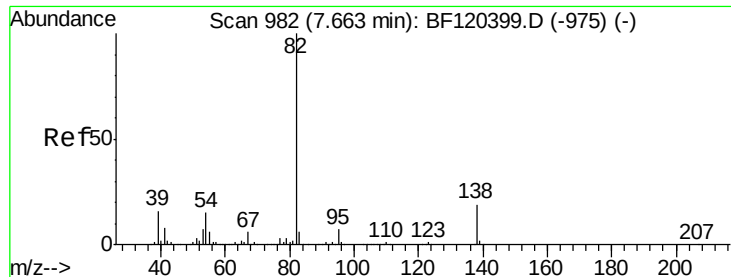


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 30.883 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.26 min

Lab File: BF120482.D

Acq: 1 Jun 2020 20:16

Instrument :

BNA_F

ClientSampleId :

SU-01-052720

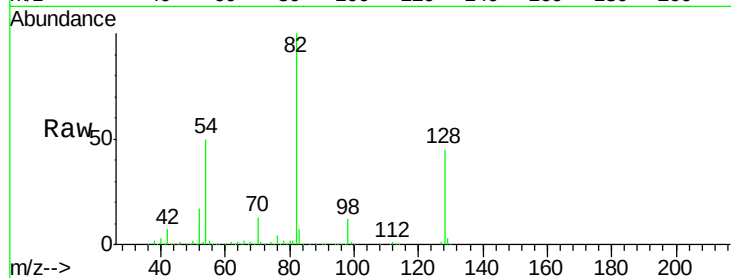
Tot Ion: 82 Resp: 702417

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

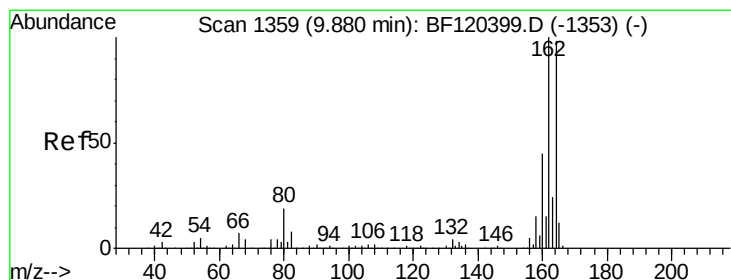
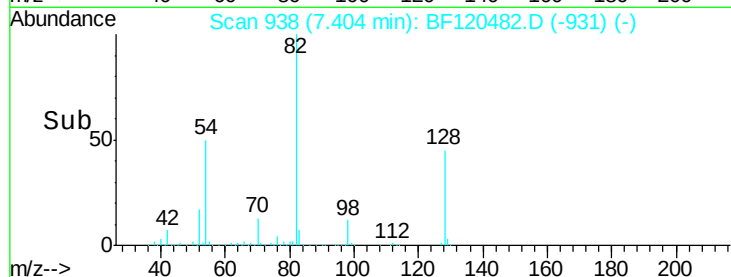
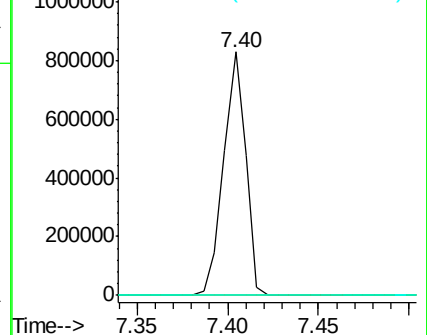
138 0.0 15.0 22.4#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1359

Delta R.T. 0.01 min

Lab File: BF120482.D

Acq: 1 Jun 2020 20:16

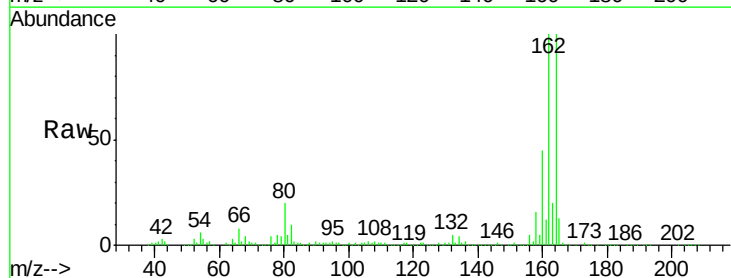
Tgt Ion:164 Resp: 357355

Ion Ratio Lower Upper

164 100

162 100.2 81.3 121.9

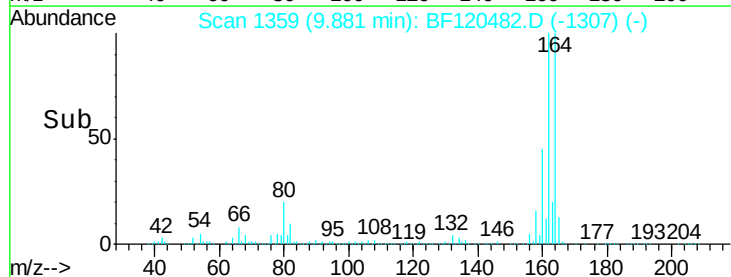
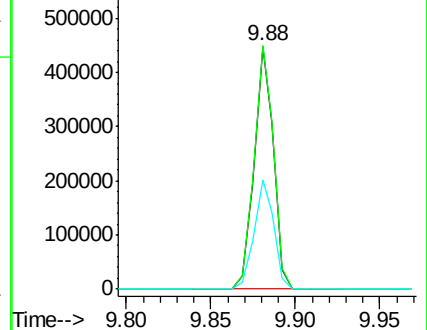
160 45.1 36.9 55.3

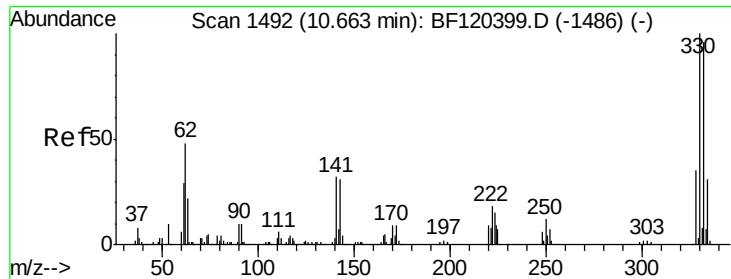


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

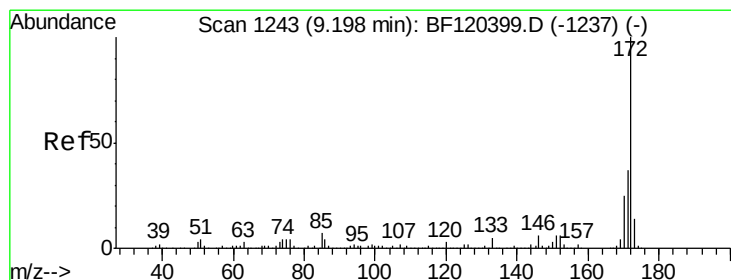
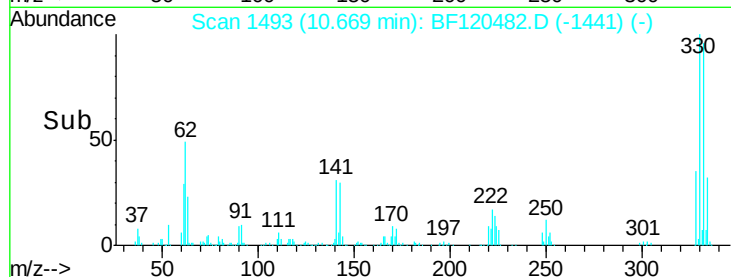
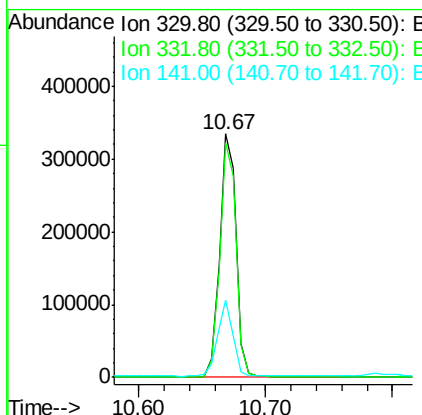
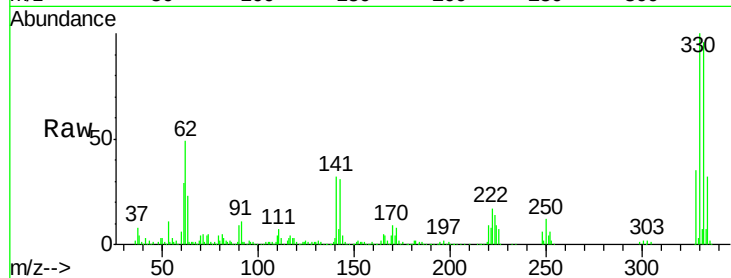




#42
 2,4,6-Tribromophenol
 Concen: 91.948 ng
 RT: 10.67 min Scan# 1493
 Delta R.T. 0.01 min
 Lab File: BF120482.D
 Acq: 1 Jun 2020 20:16

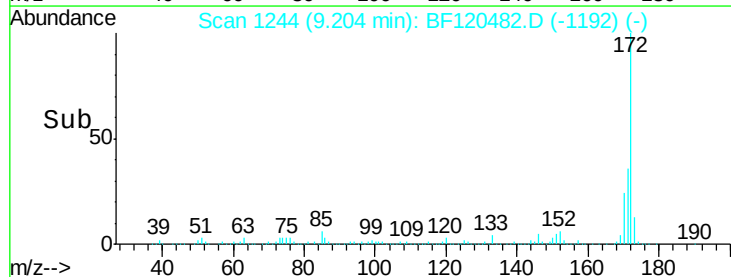
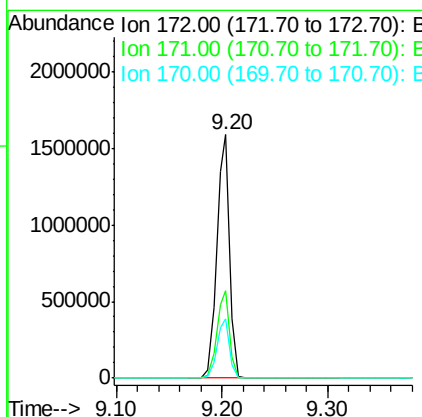
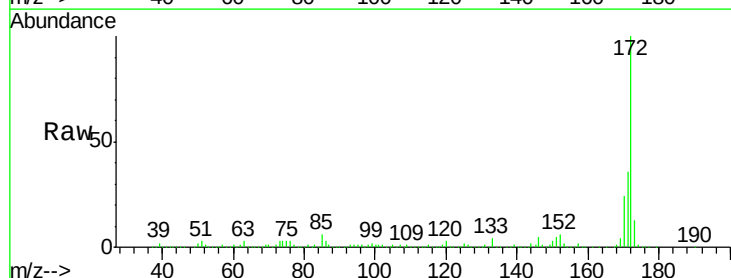
Instrument :
 BNA_F
 ClientSampleId :
 SU-01-052720

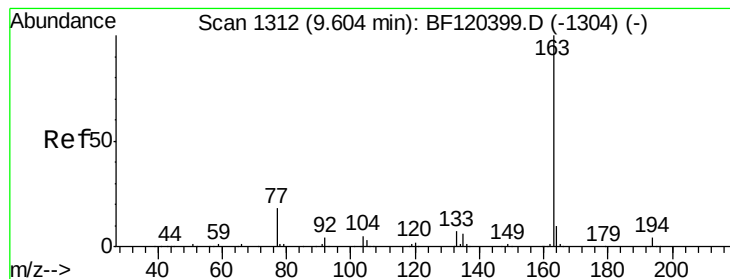
Tot Ion:330 Resp: 304443
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 29.4 25.3 37.9



#45
 2-Fluorobiphenyl
 Concen: 64.691 ng
 RT: 9.20 min Scan# 1244
 Delta R.T. 0.01 min
 Lab File: BF120482.D
 Acq: 1 Jun 2020 20:16

Tgt Ion:172 Resp: 1362519
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 24.5 19.9 29.9





#50

Dimethylphthalate

Concen: 12.592 ng

RT: 9.59 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF120482.D

Acq: 1 Jun 2020 20:16

Instrument :

BNA_F

ClientSampleId :

SU-01-052720

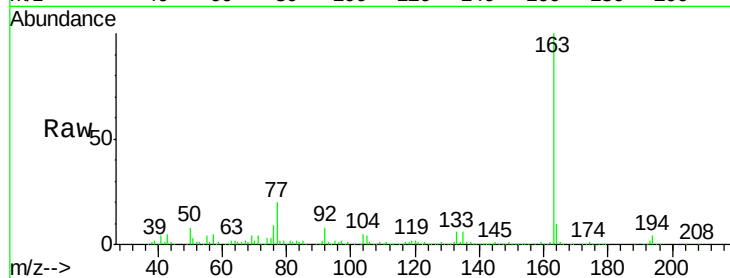
Tot Ion:163 Resp: 281307

Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

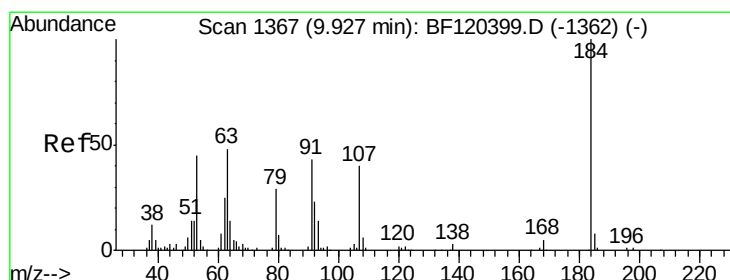
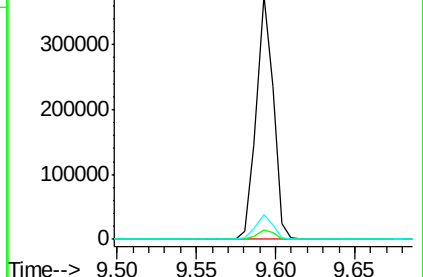
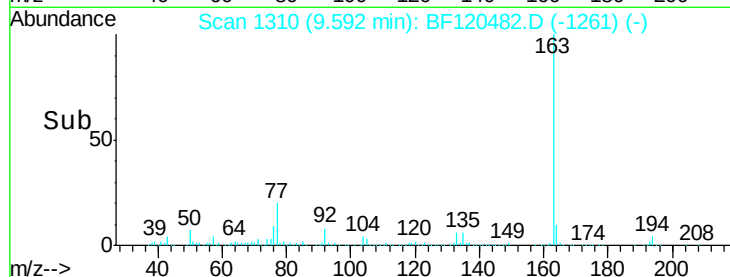
164 10.1 8.3 12.5



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



#54

2,4-Dinitrophenol

Concen: 7.663 ng

RT: 10.17 min Scan# 1409

Delta R.T. 0.25 min

Lab File: BF120482.D

Acq: 1 Jun 2020 20:16

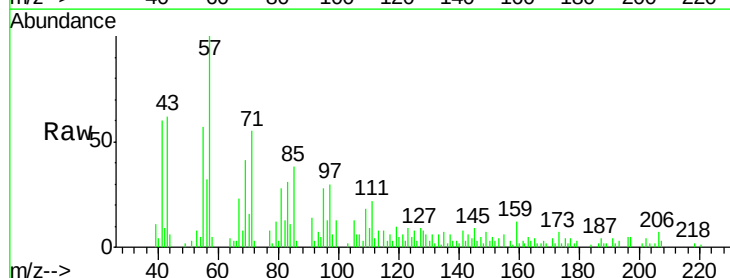
Tgt Ion:184 Resp: 114

Ion Ratio Lower Upper

184 100

63 0.0 45.9 68.9#

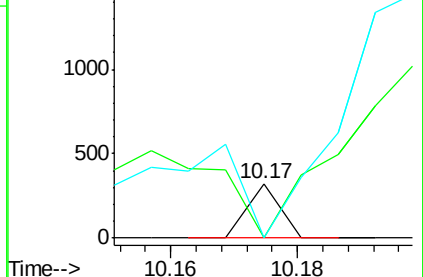
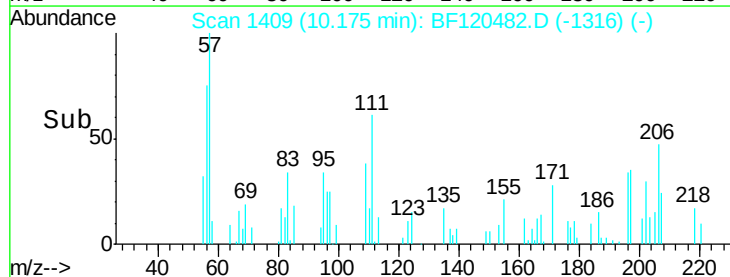
154 0.0 46.4 69.6#

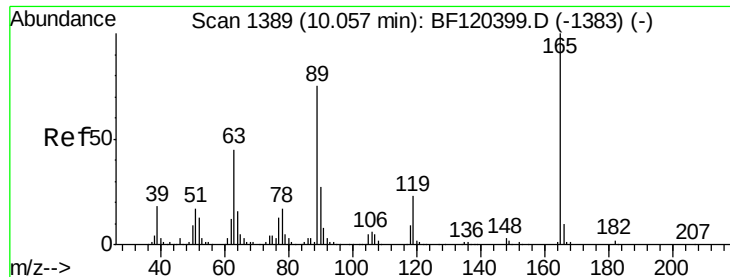


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

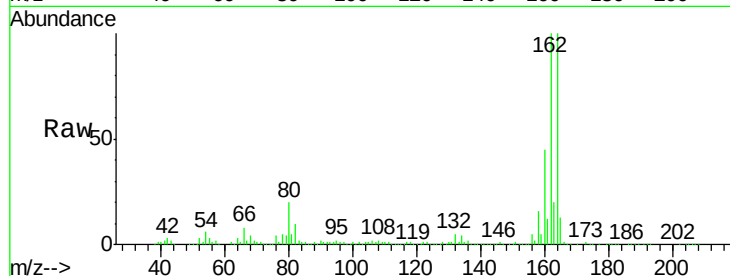




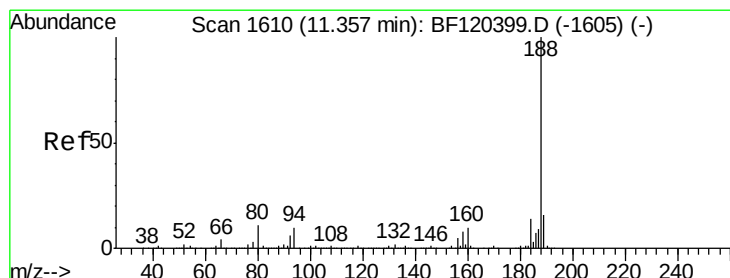
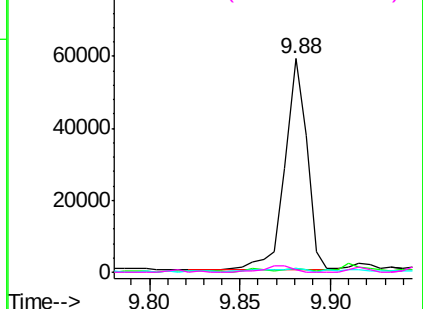
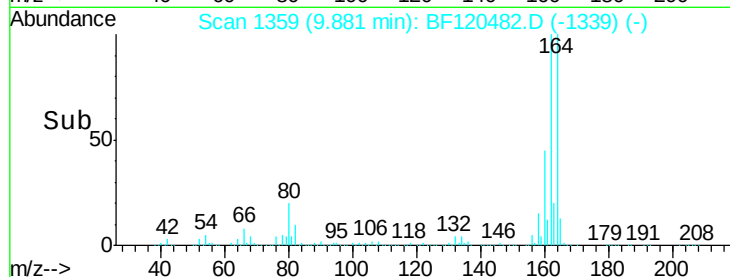
#57
 2,4-Dinitrotoluene
 Concen: 7.893 ng
 RT: 9.88 min Scan# 1359
 Delta R.T. -0.18 min
 Lab File: BF120482.D
 Acq: 1 Jun 2020 20:16

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-052720

Tot Ion:165 Resp: 50154
 Ion Ratio Lower Upper
 165 100
 63 1.7 35.9 53.9#
 89 1.5 60.0 90.0#
 182 1.0 2.0 3.0#

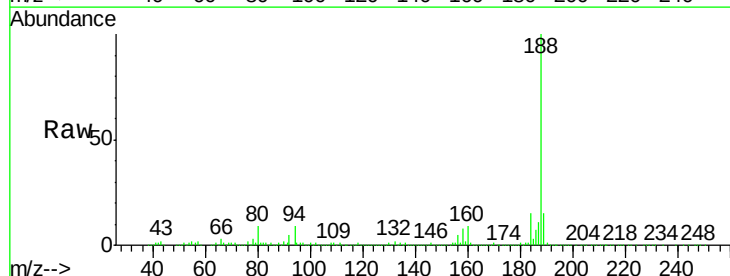


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

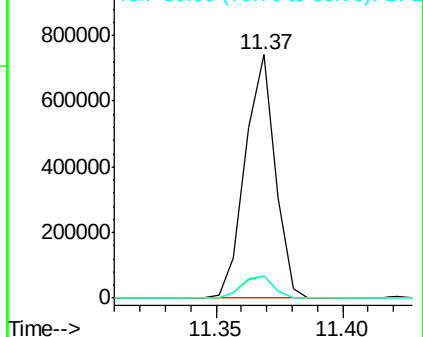
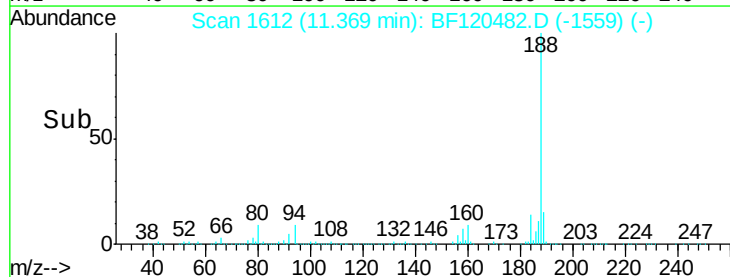


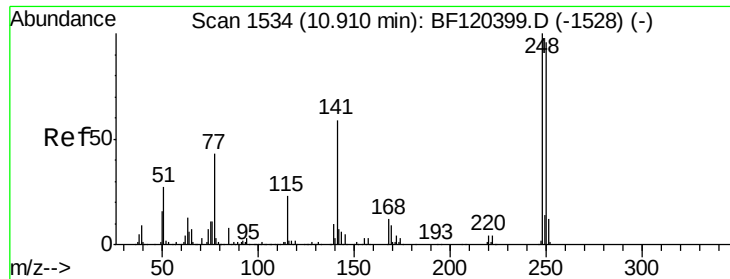
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1612
 Delta R.T. 0.01 min
 Lab File: BF120482.D
 Acq: 1 Jun 2020 20:16

Tgt Ion:188 Resp: 610525
 Ion Ratio Lower Upper
 188 100
 94 9.0 7.9 11.9
 80 9.0 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

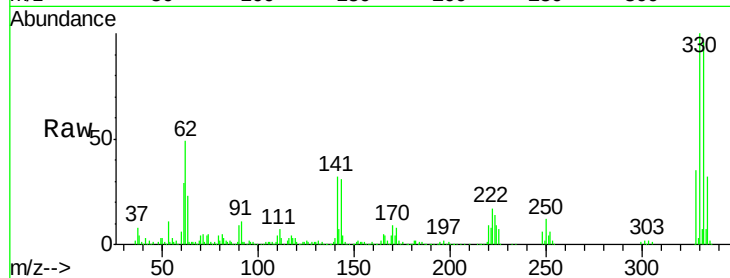




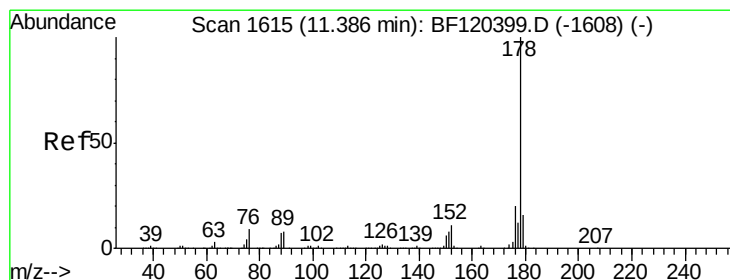
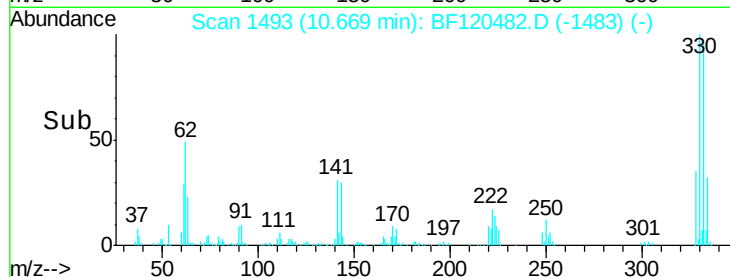
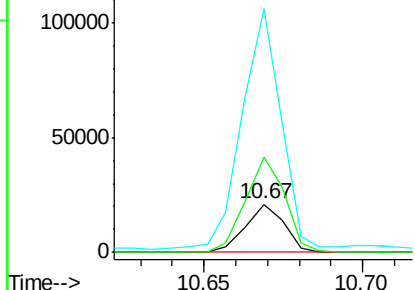
#67
 4-Bromophenyl-phenylether
 Concen: 2.877 ng
 RT: 10.67 min Scan# 1493
 Delta R.T. -0.24 min
 Lab File: BF120482.D
 Acq: 1 Jun 2020 20:16

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-052720

Tot Ion:248 Resp: 17729
 Ion Ratio Lower Upper
 248 100
 250 197.8 76.5 114.7#
 141 506.3 47.2 70.8#

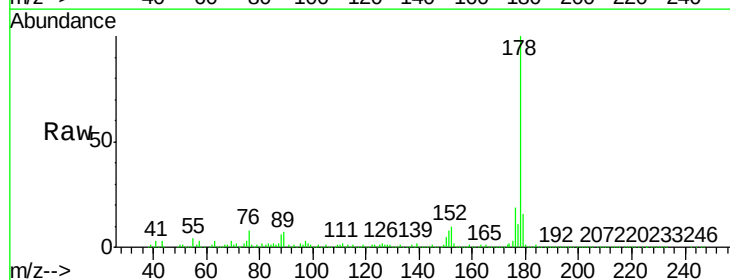


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

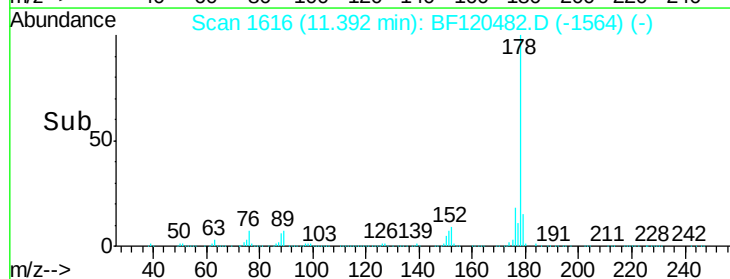
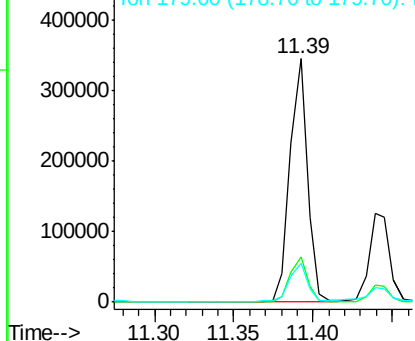


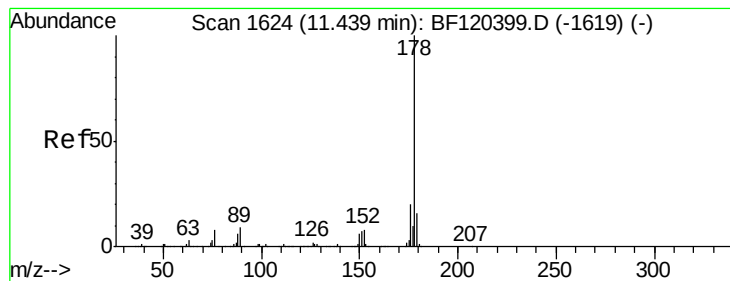
#71
 Phenanthrene
 Concen: 9.815 ng
 RT: 11.39 min Scan# 1616
 Delta R.T. 0.01 min
 Lab File: BF120482.D
 Acq: 1 Jun 2020 20:16

Tgt Ion:178 Resp: 264027
 Ion Ratio Lower Upper
 178 100
 176 18.6 16.4 24.6
 179 15.9 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: 4.103 ng

RT: 11.44 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BF120482.D

Acq: 1 Jun 2020 20:16

Instrument :

BNA_F

ClientSampleId :

SU-01-052720

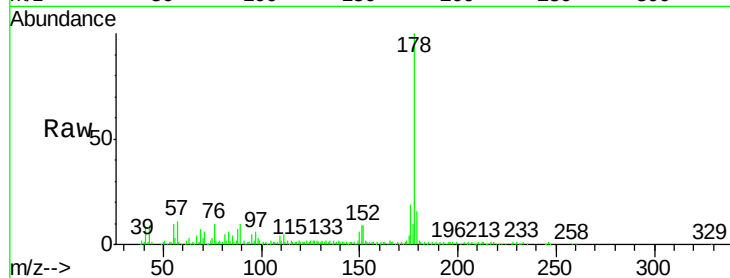
Tot Ion:178 Resp: 110740

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.6

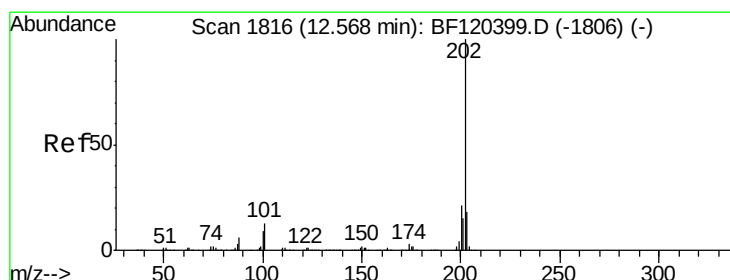
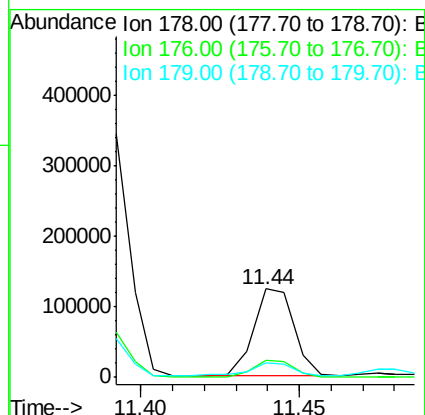
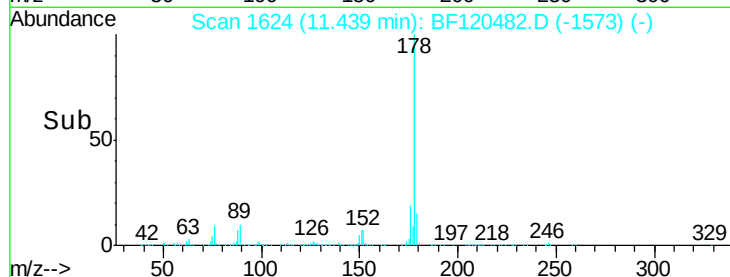
179 15.9 12.8 19.2



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: 20.262 ng

RT: 12.59 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF120482.D

Acq: 1 Jun 2020 20:16

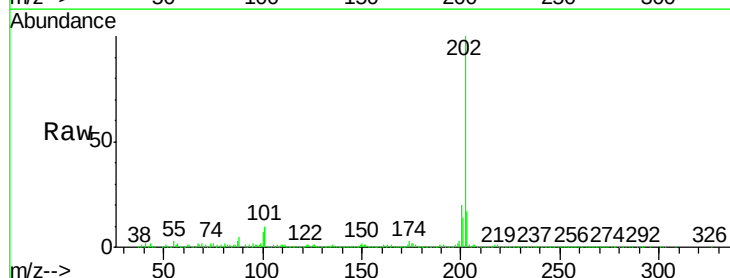
Tgt Ion:202 Resp: 586511

Ion Ratio Lower Upper

202 100

101 9.9 0.0 32.6

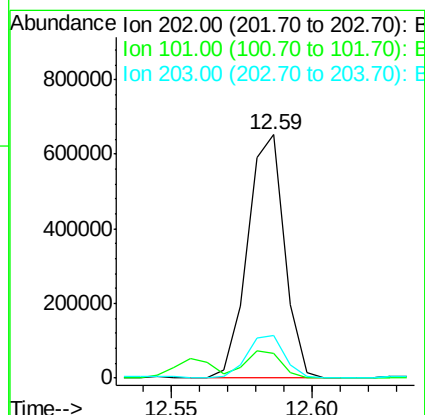
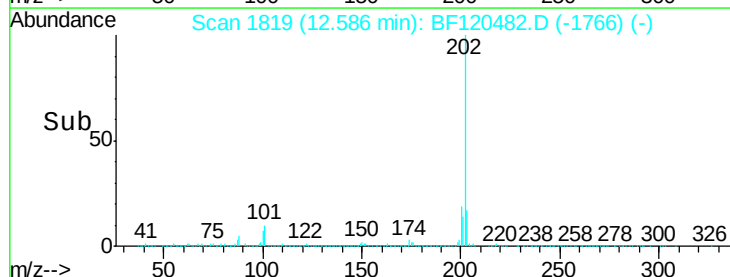
203 17.4 0.0 38.4

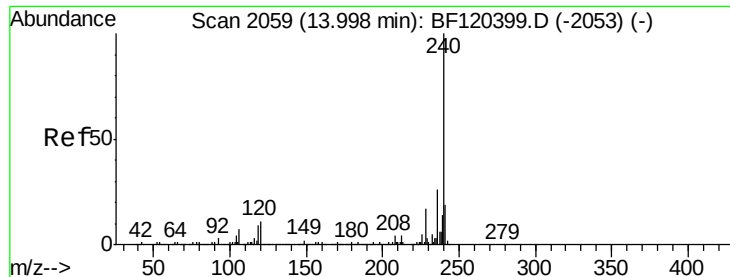


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

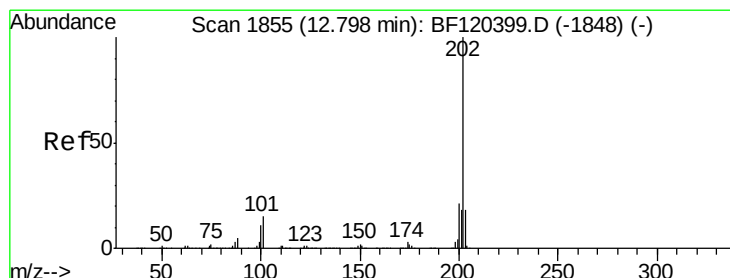
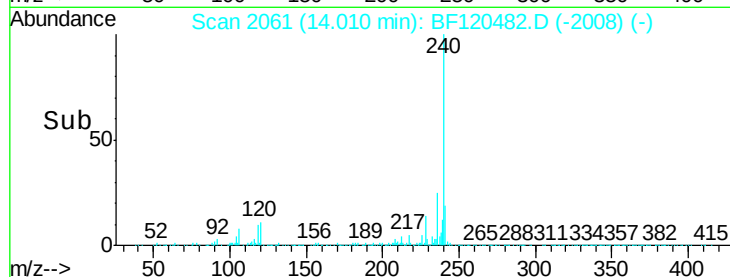
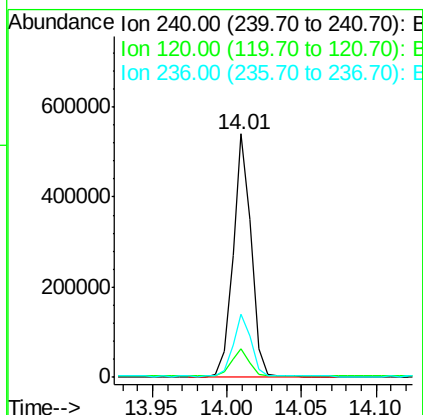
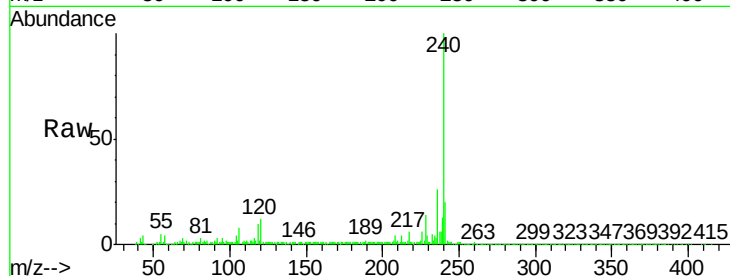




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2061
Delta R.T. 0.01 min
Lab File: BF120482.D
Acq: 1 Jun 2020 20:16

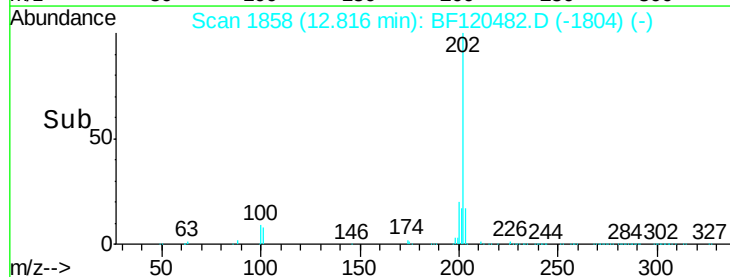
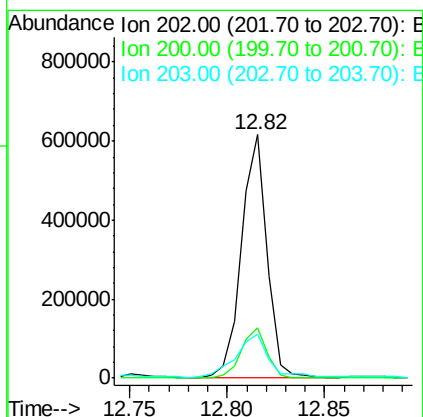
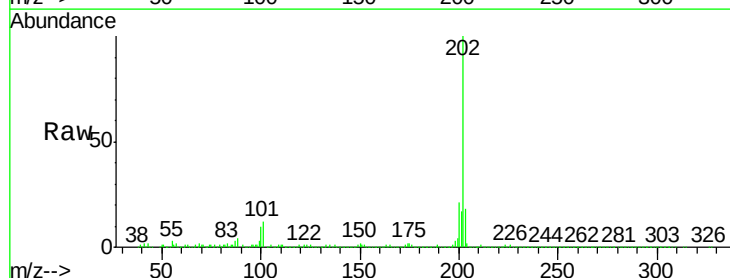
Instrument :
BNA_F
ClientSampleId :
SU-01-052720

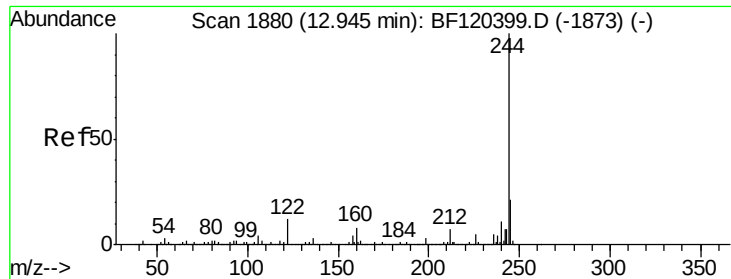
Tot Ion:240 Resp: 455563
Ion Ratio Lower Upper
240 100
120 11.8 8.8 13.2
236 26.1 21.0 31.4



#78
Pyrene
Concen: 17.463 ng
RT: 12.82 min Scan# 1858
Delta R.T. 0.02 min
Lab File: BF120482.D
Acq: 1 Jun 2020 20:16

Tgt Ion:202 Resp: 553263
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.4
203 17.9 14.7 22.1





#79

Terphenyl-d14

Concen: 65.684 ng

RT: 12.96 min Scan# 1882

Delta R.T. 0.01 min

Lab File: BF120482.D

Acq: 1 Jun 2020 20:16

Instrument :

BNA_F

ClientSampleId :

SU-01-052720

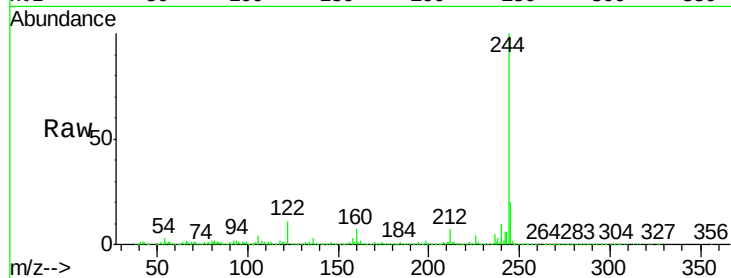
Tot Ion:244 Resp: 1344729

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

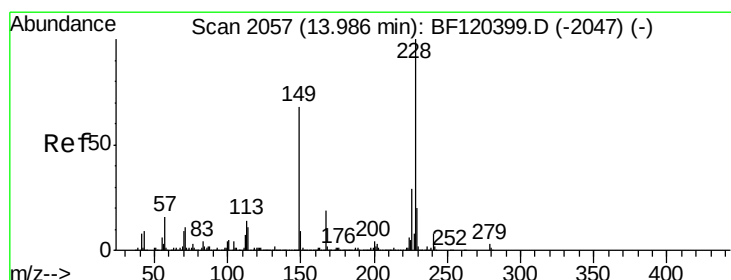
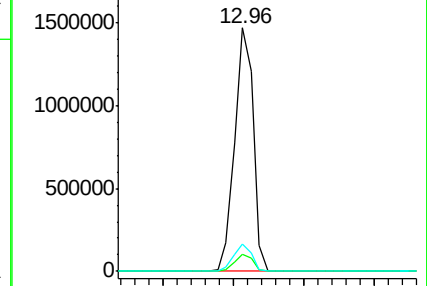
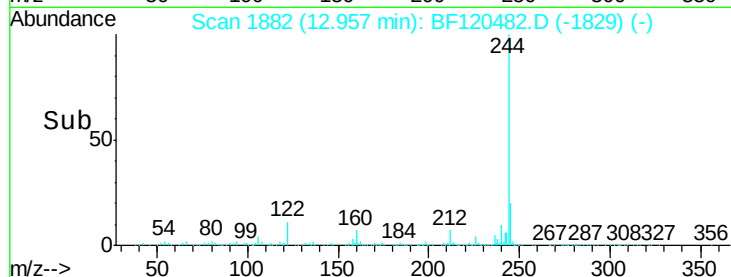
122 11.4 9.2 13.8



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: 11.746 ng

RT: 14.00 min Scan# 2059

Delta R.T. 0.01 min

Lab File: BF120482.D

Acq: 1 Jun 2020 20:16

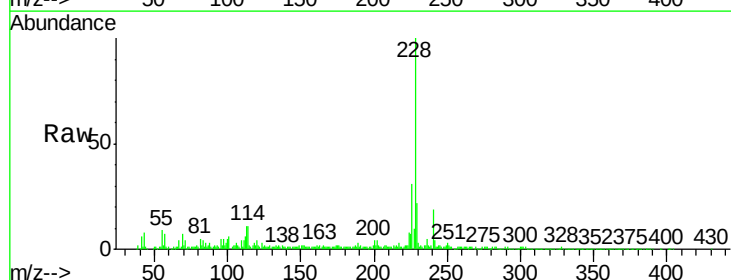
Tgt Ion:228 Resp: 286796

Ion Ratio Lower Upper

228 100

226 31.3 23.0 34.4

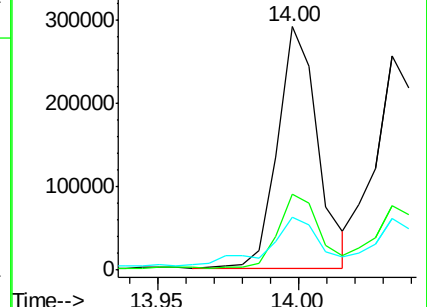
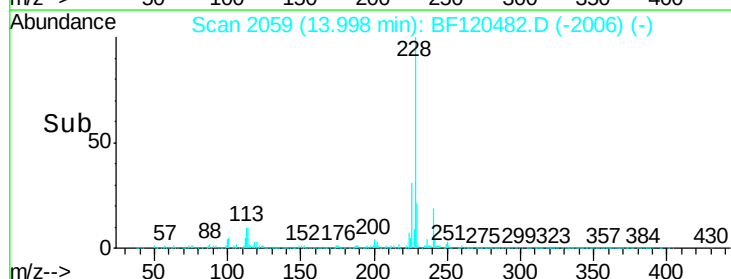
229 21.9 16.2 24.4

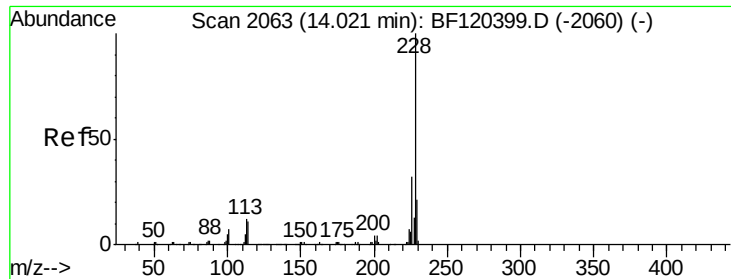


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 10.092 ng

RT: 14.03 min Scan# 2065

Delta R.T. 0.01 min

Lab File: BF120482.D

Acq: 1 Jun 2020 20:16

Instrument :

BNA_F

ClientSampleId :

SU-01-052720

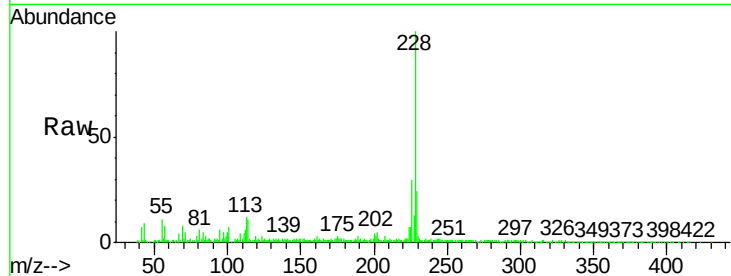
Tot Ion:228 Resp: 258314

Ion Ratio Lower Upper

228 100

226 30.3 25.6 38.4

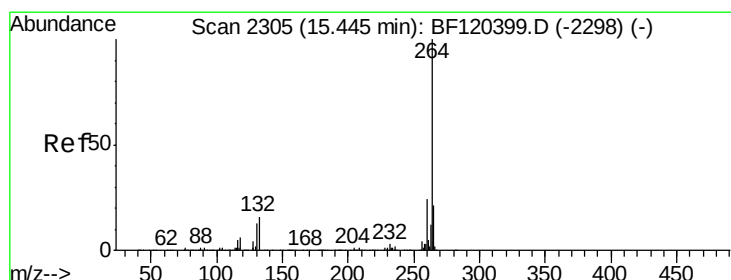
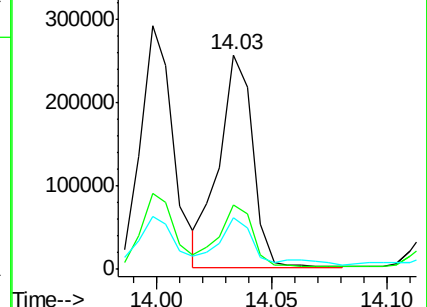
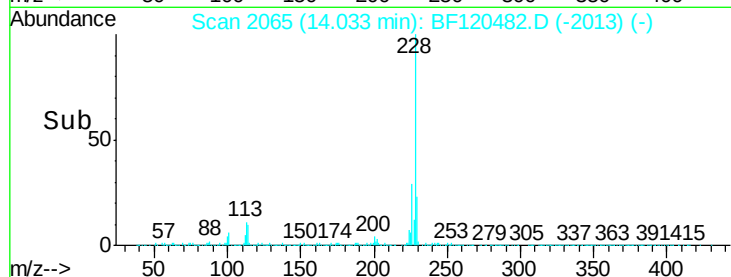
229 24.3 16.6 25.0



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

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2310

Delta R.T. 0.02 min

Lab File: BF120482.D

Acq: 1 Jun 2020 20:16

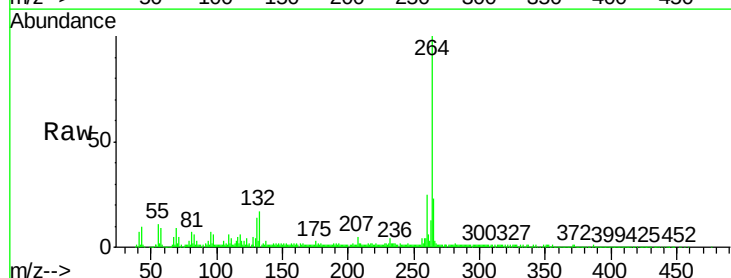
Tgt Ion:264 Resp: 371768

Ion Ratio Lower Upper

264 100

260 25.4 19.2 28.8

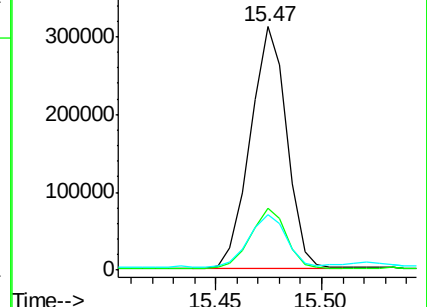
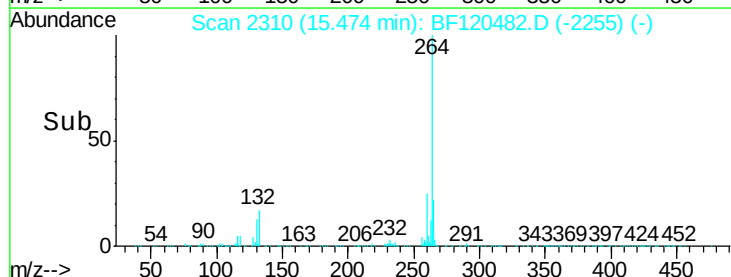
265 22.9 16.9 25.3

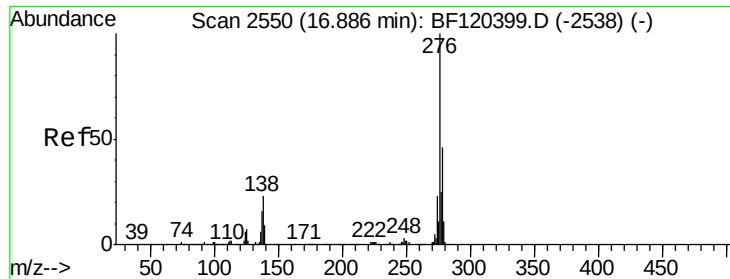


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

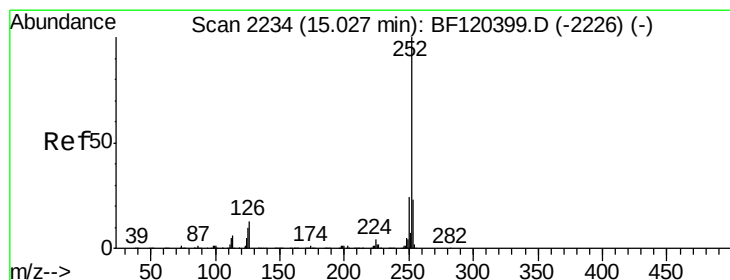
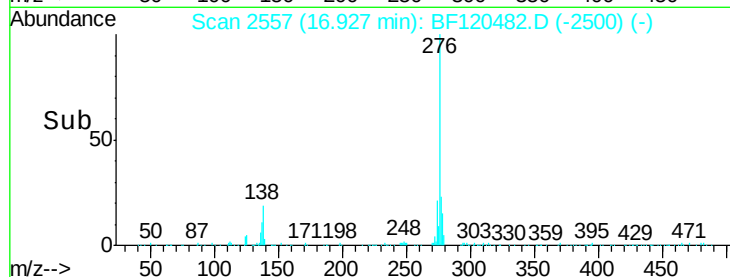
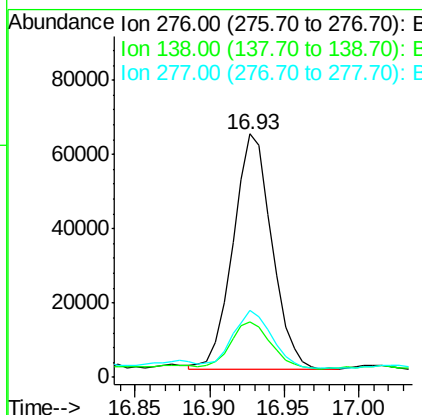
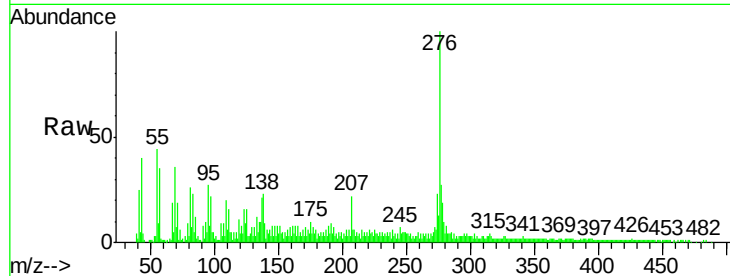




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.658 ng
 RT: 16.93 min Scan# 2557
 Delta R.T. 0.04 min
 Lab File: BF120482.D
 Acq: 1 Jun 2020 20:16

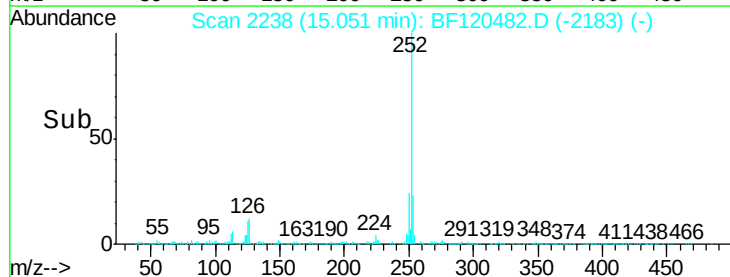
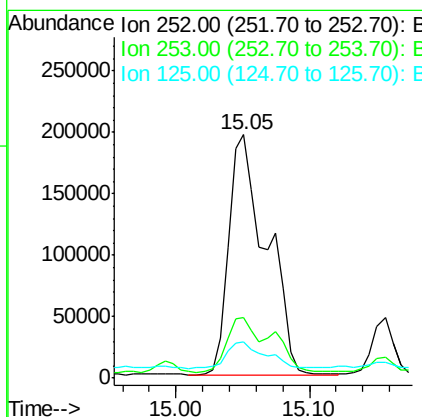
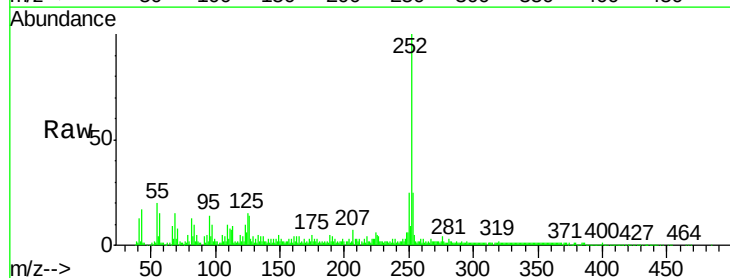
Instrument :
 BNA_F
 ClientSampleId :
 SU-01-052720

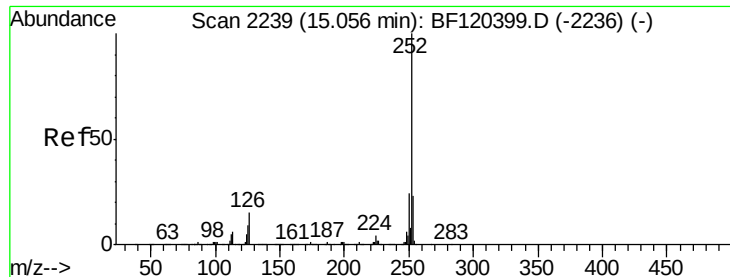
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.7	20.4	30.6
277	25.3	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 18.623 ng
 RT: 15.05 min Scan# 2238
 Delta R.T. 0.02 min
 Lab File: BF120482.D
 Acq: 1 Jun 2020 20:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.1	27.1
125	14.8	7.8	11.8

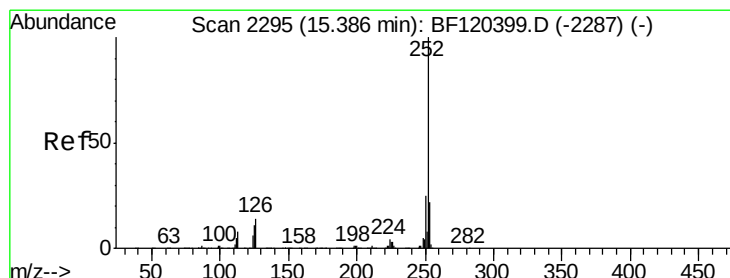
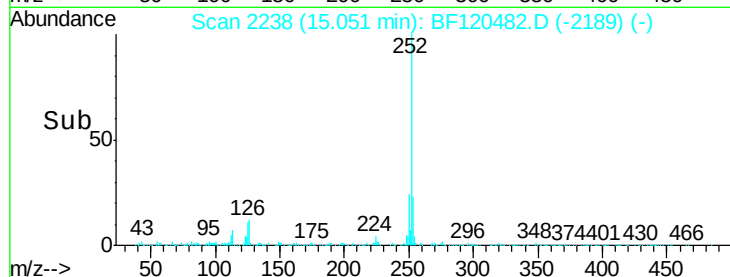
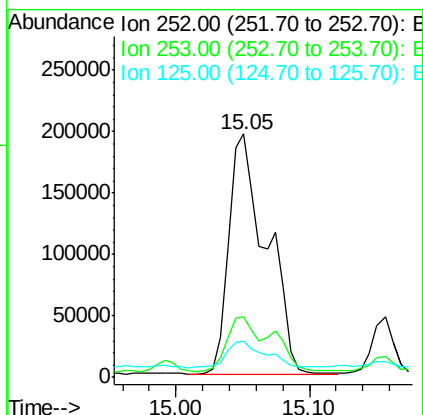
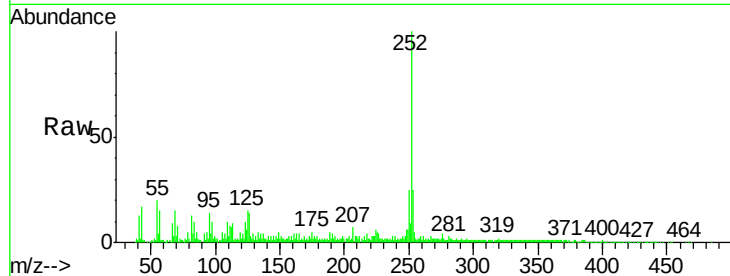




#89
Benzo(k)fluoranthene
Concen: 19.948 ng
RT: 15.05 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BF120482.D
Acq: 1 Jun 2020 20:16

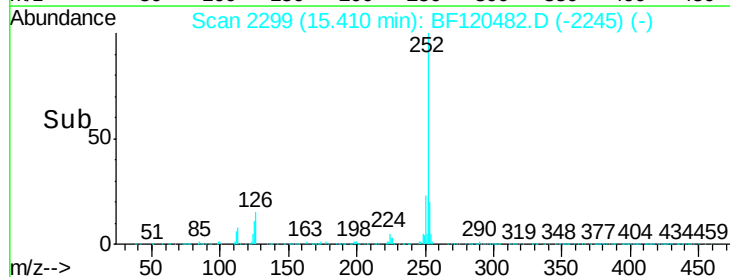
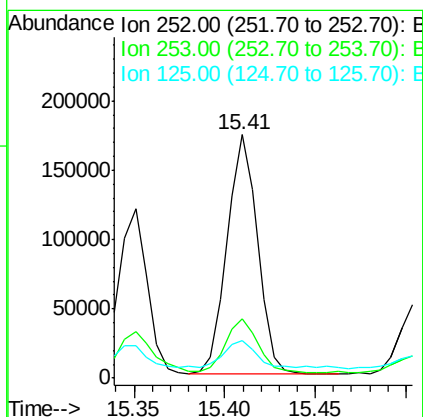
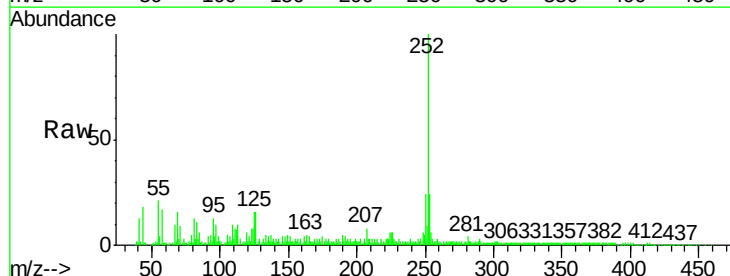
Instrument :
BNA_F
ClientSampleId :
SU-01-052720

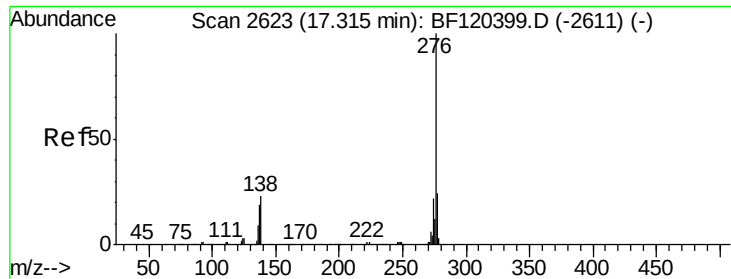
Tot Ion:252 Resp: 384546
Ion Ratio Lower Upper
252 100
253 24.9 18.5 27.7
125 14.8 8.0 12.0#



#90
Benzo(a)pyrene
Concen: 11.234 ng
RT: 15.41 min Scan# 2299
Delta R.T. 0.02 min
Lab File: BF120482.D
Acq: 1 Jun 2020 20:16

Tgt Ion:252 Resp: 202907
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.0
125 15.5 8.7 13.1#





#92

Benzo(a,h,i)perylene

Concen: 6.866 ng

RT: 17.37 min Scan# 2632

Delta R.T. 0.04 min

Lab File: BF120482.D

Acq: 1 Jun 2020 20:16

Instrument :

BNA_F

ClientSampleId :

SU-01-052720

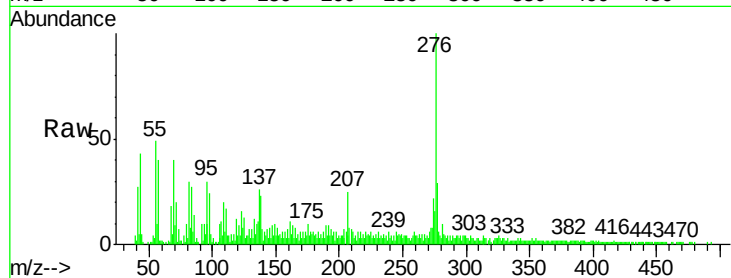
Tot Ion:276 Resp: 112258

Ion Ratio Lower Upper

276 100

277 28.8 19.5 29.3

138 22.8 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

