

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061720\
 Data File : BF120637.D
 Acq On : 17 Jun 2020 17:25
 Operator : JU/CG
 Sample : L3024-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-1

Quant Time: Jun 17 18:04:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

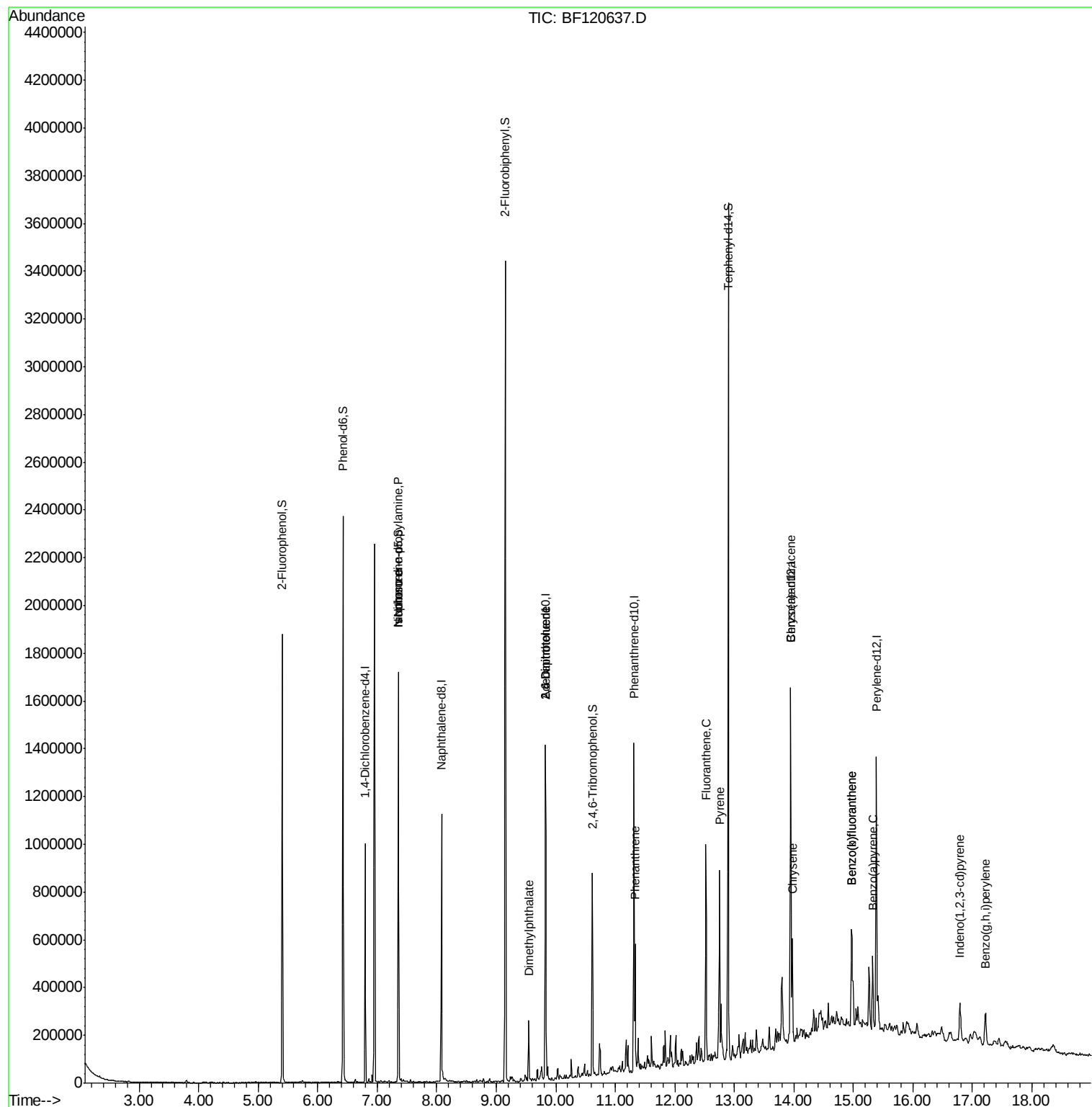
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	139149	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	524737	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	269939	20.00	ng	-0.01
64) Phenanthrene-d10	11.31	188	533797	20.00	ng	-0.01
76) Chrysene-d12	13.95	240	481982	20.00	ng	-0.01
86) Perylene-d12	15.39	264	520697	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	507213	62.49	ng	-0.01
7) Phenol-d6	6.43	99	744577	73.66	ng	-0.01
23) Nitrobenzene-d5	7.36	82	482969	51.45	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	106160	33.83	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	988068	56.00	ng	-0.01
79) Terphenyl-d14	12.90	244	1217491	55.80	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	63421	10.816	ng	# 77
25) Isophorone	7.36	82	480658	26.285	ng	# 62
50) Dimethylphthalate	9.55	163	90364	4.648	ng	99
51) 2,6-Dinitrotoluene	9.83	165	35485	8.054	ng	# 27
57) 2,4-Dinitrotoluene	9.83	165	35485	6.070	ng	# 29
71) Phenanthrene	11.33	178	185527	6.992	ng	98
75) Fluoranthene	12.52	202	339375	11.186	ng	99
78) Pyrene	12.75	202	299145	8.761	ng	99
81) Benzo(a)anthracene	13.94	228	164329	5.675	ng	97
83) Chrysene	13.97	228	171174	5.763	ng	97
87) Indeno(1,2,3-cd)pyrene	16.79	276	107843	3.405	ng	97
88) Benzo(b)fluoranthene	14.97	252	297538	9.593	ng	99
89) Benzo(k)fluoranthene	14.97	252	297538	10.841	ng	99
90) Benzo(a)pyrene	15.32	252	148204	5.339	ng	98
92) Benzo(a,h,i)perylene	17.22	276	105275	4.112	ng	99

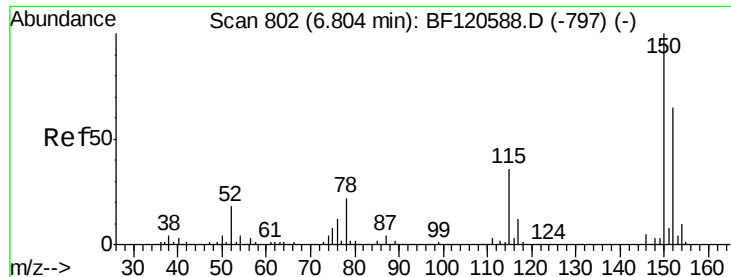
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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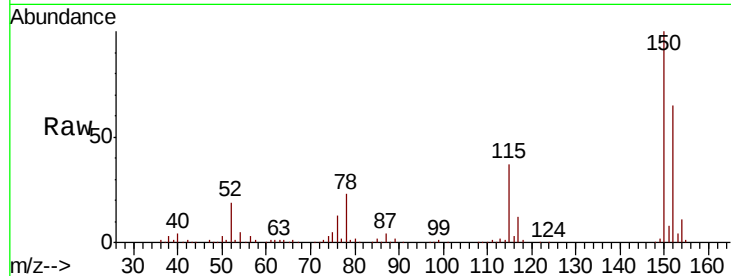


#1

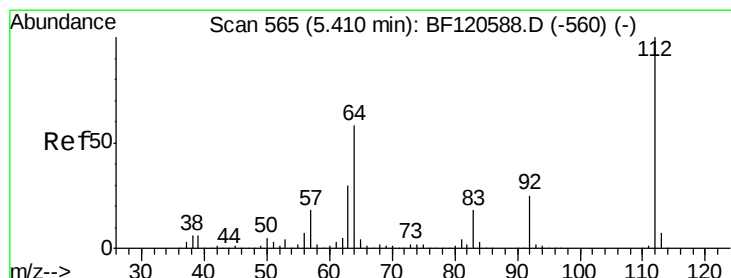
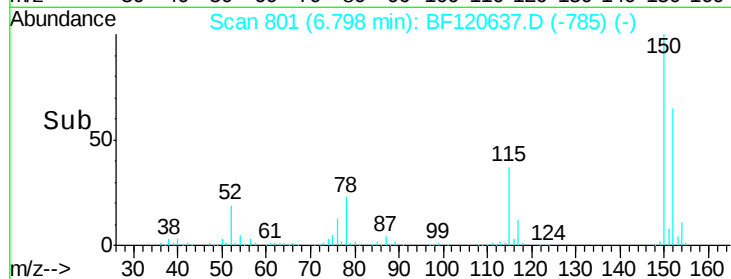
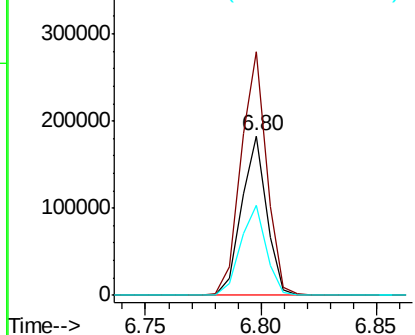
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF120637.D
 Acq: 17 Jun 2020 17:25

Instrument :
 BNA_F
 ClientSampleId :
 RO-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	123.2	184.8
115	56.3	43.9	65.9



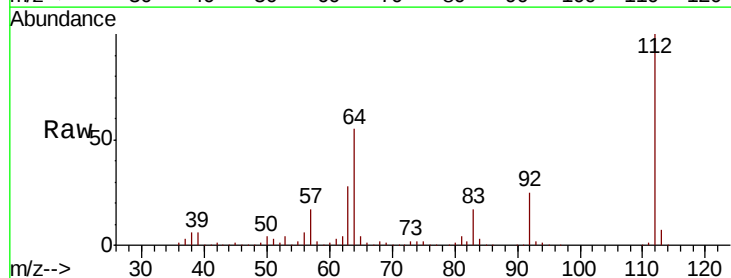
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



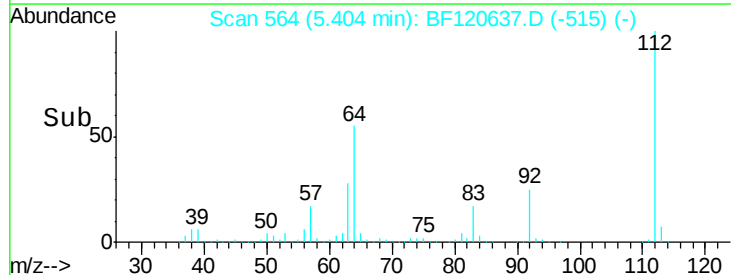
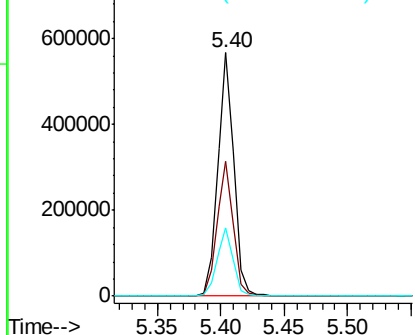
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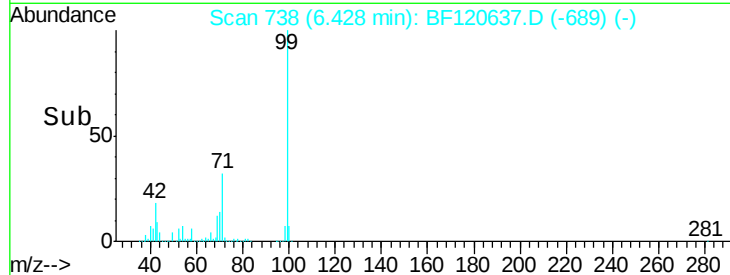
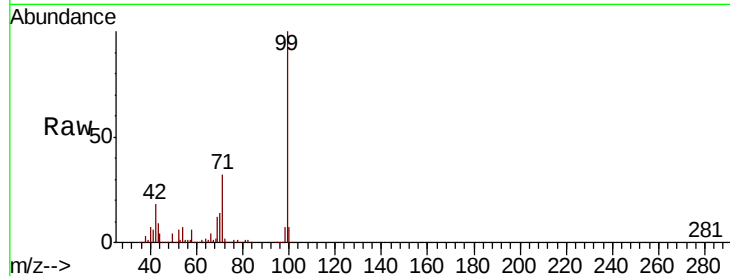
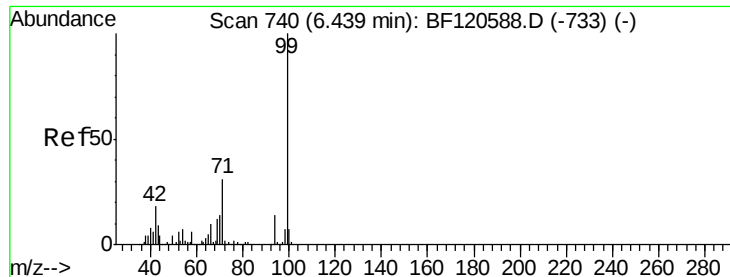
2-Fluorophenol
 Concen: 62.494 ng
 RT: 5.40 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: BF120637.D
 Acq: 17 Jun 2020 17:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	46.1	69.1
63	28.2	23.7	35.5



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





#7

Phenol-d6

Concen: 73.657 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF120637.D

Acq: 17 Jun 2020 17:25

Instrument :

BNA_F

ClientSampleId :

RO-1

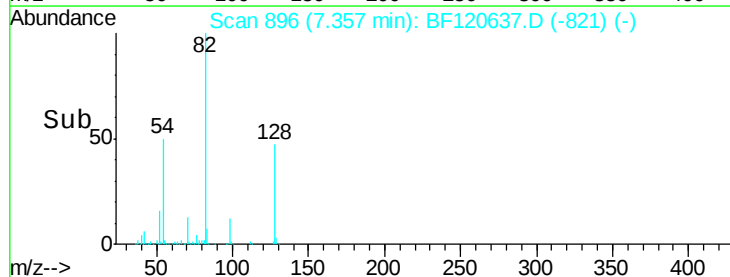
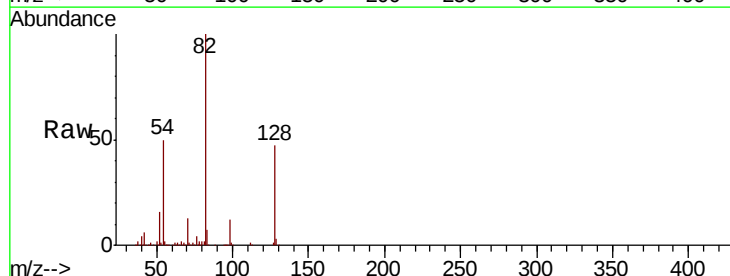
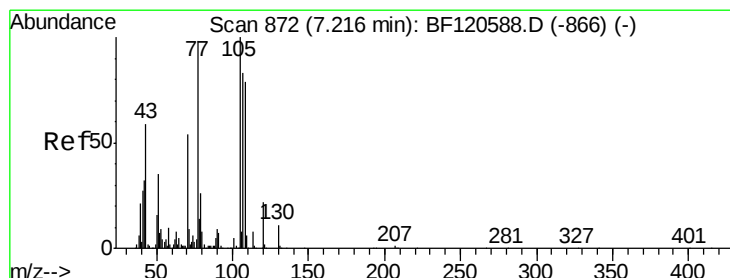
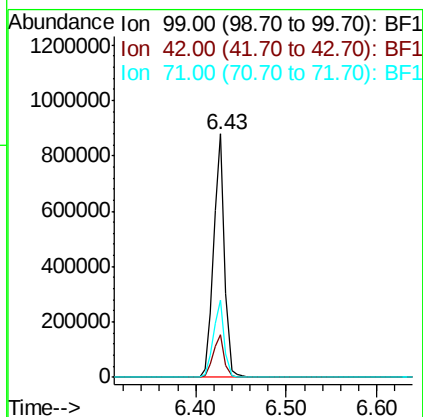
Tot Ion: 99 Resp: 744577

Ion Ratio Lower Upper

99 100

42 17.6 14.0 21.0

71 31.7 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 10.816 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF120637.D

Acq: 17 Jun 2020 17:25

Tgt Ion: 70 Resp: 63421

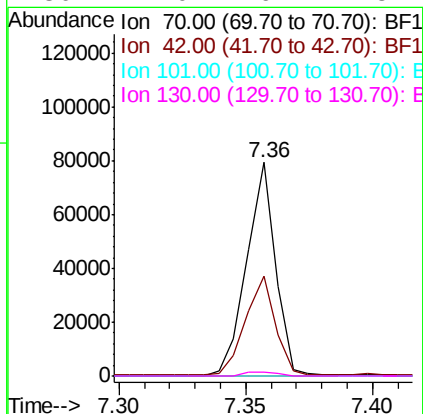
Ion Ratio Lower Upper

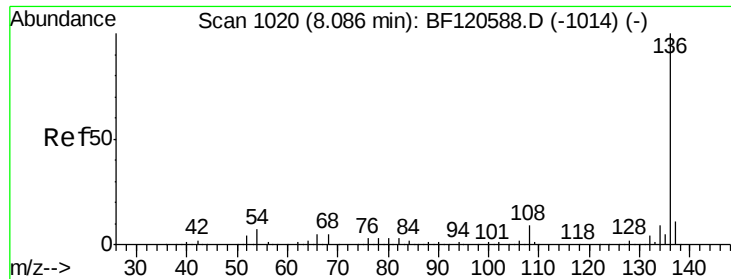
70 100

42 47.0 47.7 71.5#

101 0.0 7.6 11.4#

130 2.0 16.7 25.1#

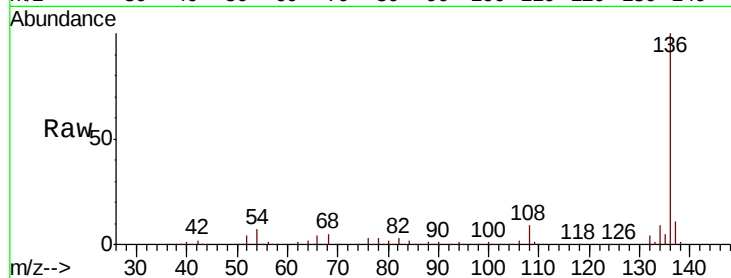




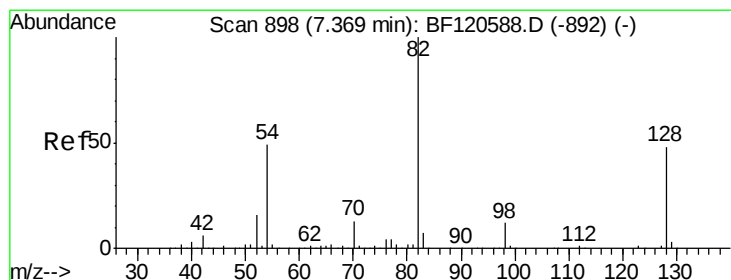
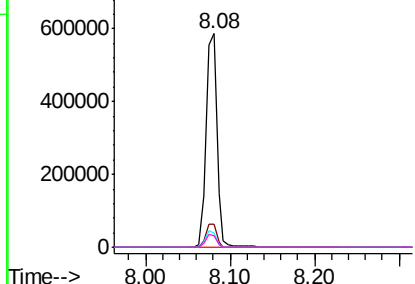
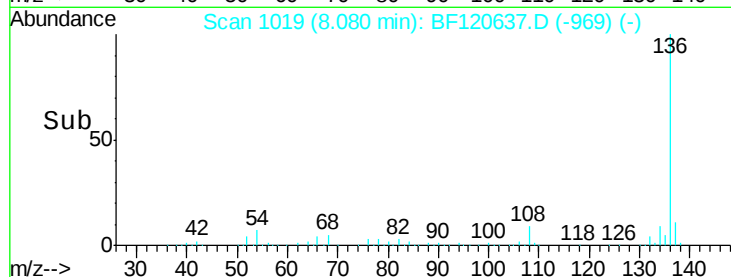
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120637.D
Acq: 17 Jun 2020 17:25

Instrument :
BNA_F
ClientSampleId :
RO-1

Tot Ion:136	Resp:	524737
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.6 13.0
54	6.7	5.8 8.6
68	5.3	4.4 6.6

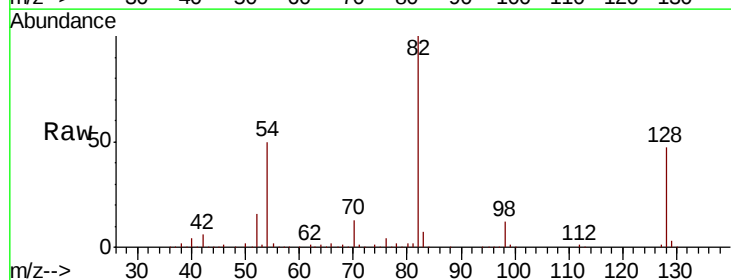


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

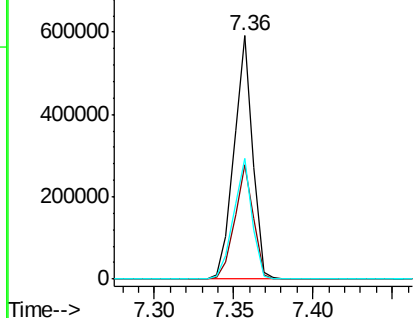
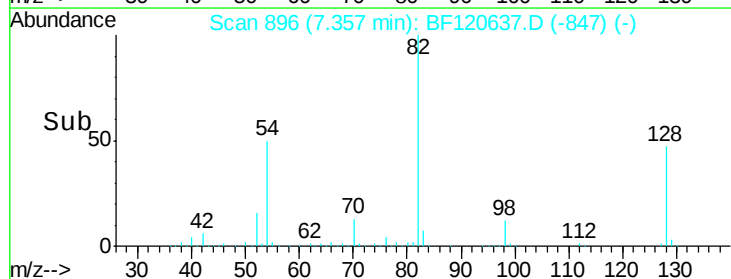


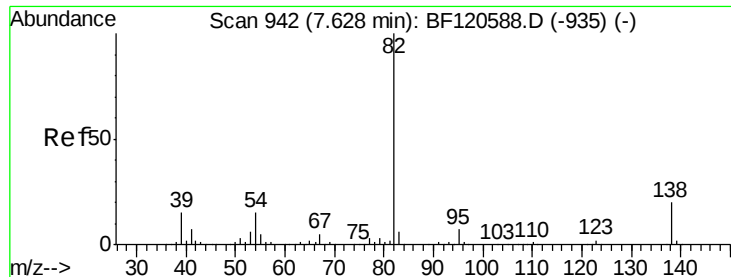
#23
Nitrobenzene-d5
Concen: 51.447 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF120637.D
Acq: 17 Jun 2020 17:25

Tgt Ion: 82	Resp:	482969
Ion	Ratio	Lower Upper
82	100	
128	46.8	38.0 57.0
54	49.8	38.8 58.2



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: 26.285 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.27 min

Lab File: BF120637.D

Acq: 17 Jun 2020 17:25

Instrument :

BNA_F

ClientSampleId :

RO-1

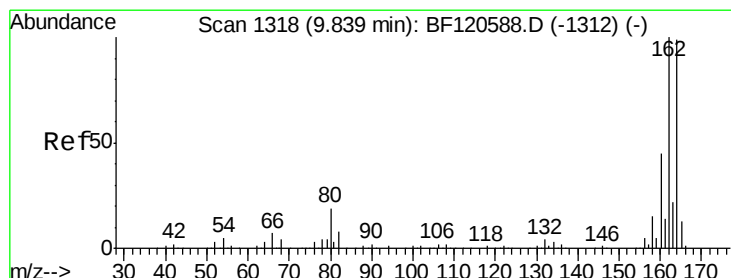
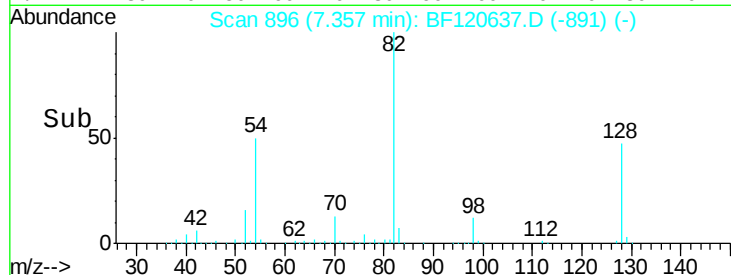
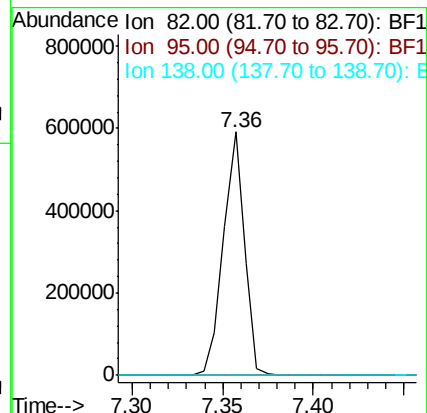
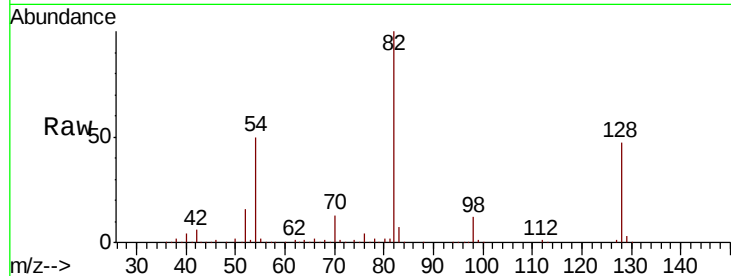
Tot Ion: 82 Resp: 480658

Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

138 0.0 16.2 24.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF120637.D

Acq: 17 Jun 2020 17:25

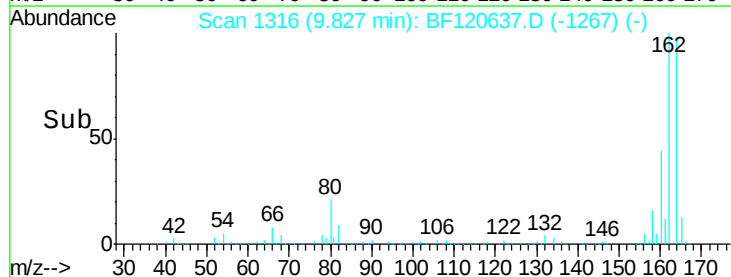
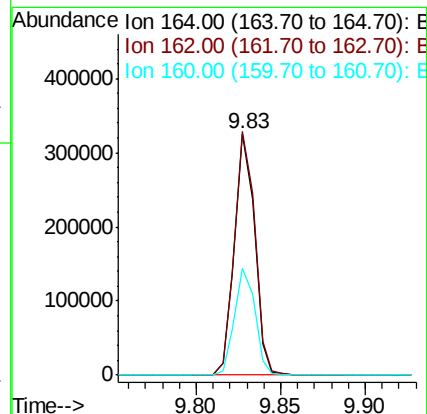
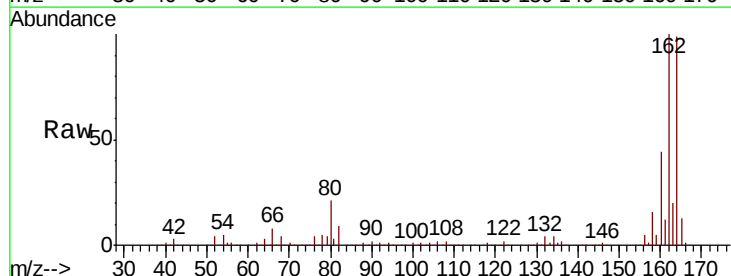
Tgt Ion: 164 Resp: 269939

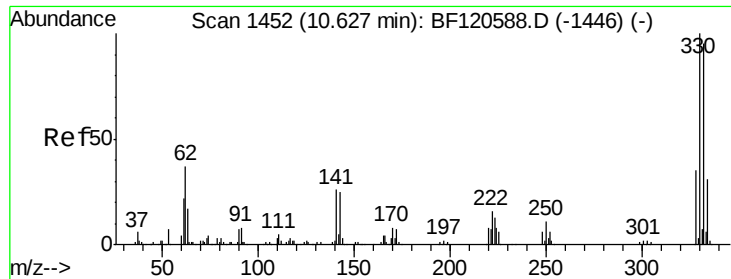
Ion Ratio Lower Upper

164 100

162 100.8 80.6 120.8

160 44.0 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 33.826 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF120637.D

Acq: 17 Jun 2020 17:25

Instrument :

BNA_F

ClientSampleId :

RO-1

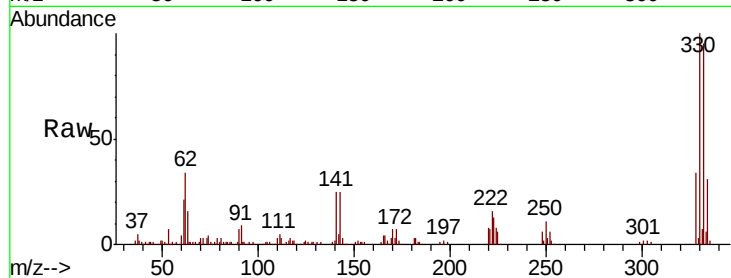
Tot Ion:330 Resp: 106160

Ion Ratio Lower Upper

330 100

332 96.0 76.8 115.2

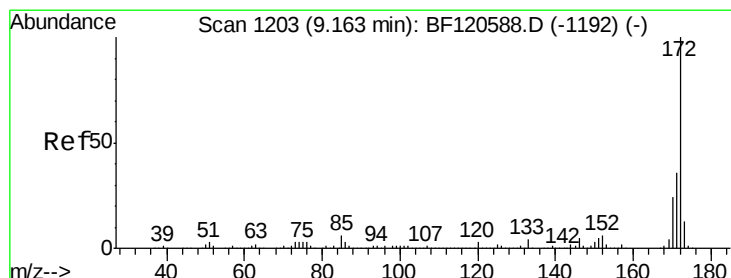
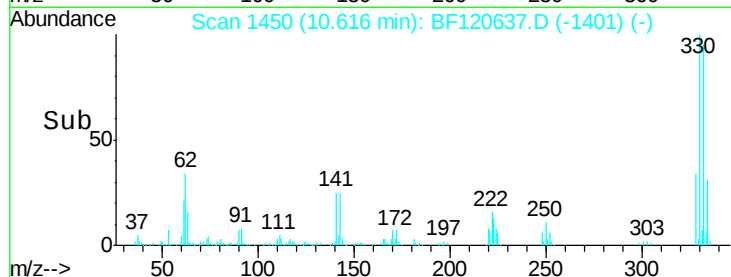
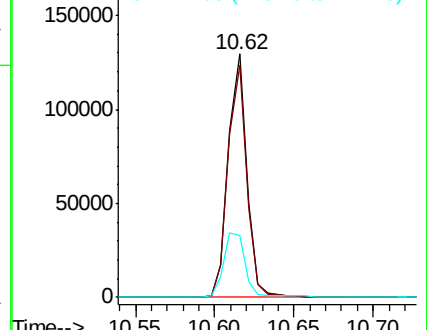
141 29.4 23.2 34.8



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: 56.003 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF120637.D

Acq: 17 Jun 2020 17:25

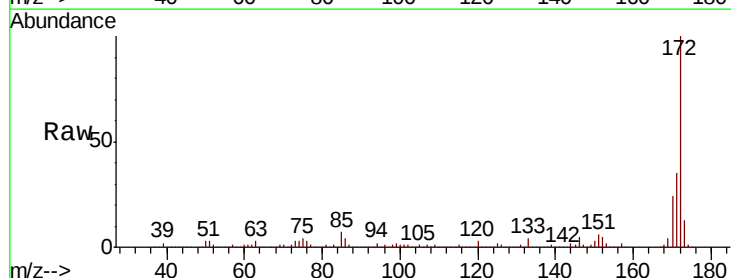
Tgt Ion:172 Resp: 988068

Ion Ratio Lower Upper

172 100

171 35.3 29.0 43.4

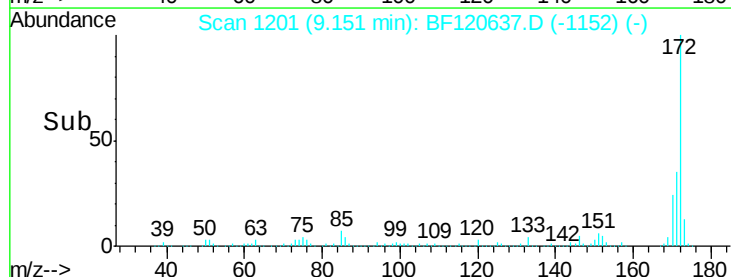
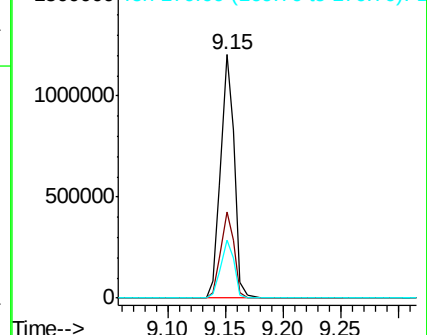
170 23.6 19.4 29.2

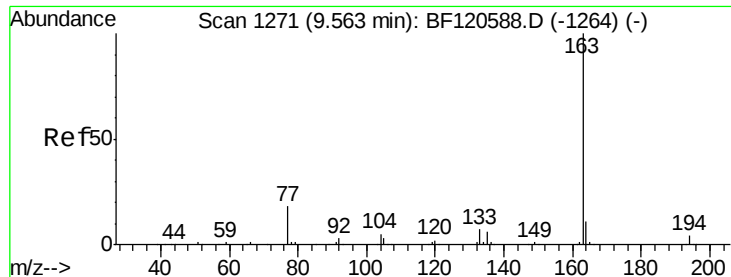


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 4.648 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.02 min

Lab File: BF120637.D

Acq: 17 Jun 2020 17:25

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ClientSampleId :

RO-1

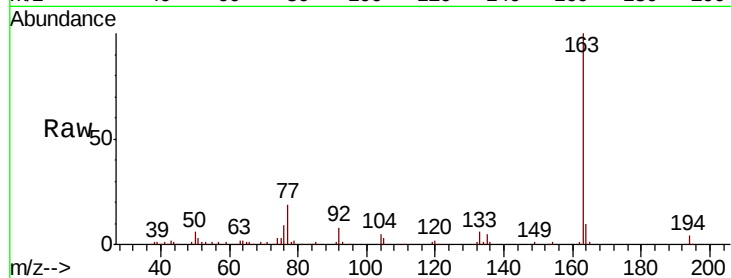
Tot Ion:163 Resp: 90364

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

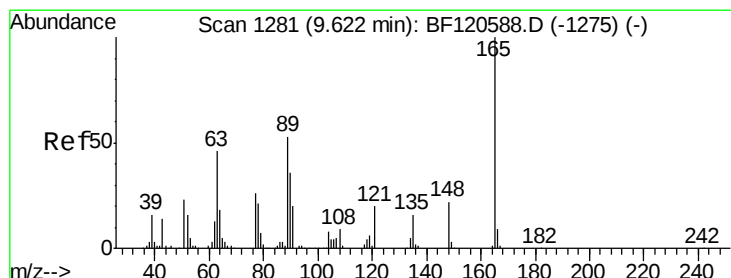
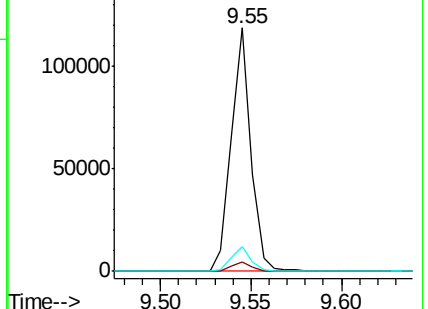
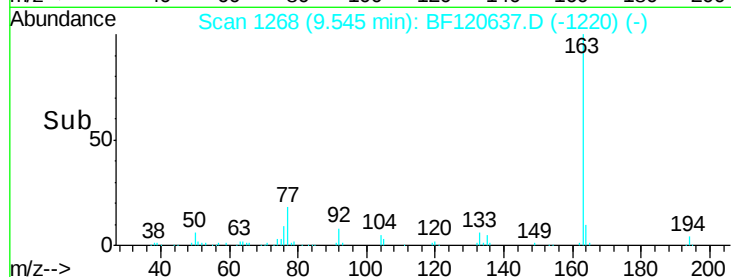
164 10.0 8.5 12.7



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



#51

2,6-Dinitrotoluene

Concen: 8.054 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.21 min

Lab File: BF120637.D

Acq: 17 Jun 2020 17:25

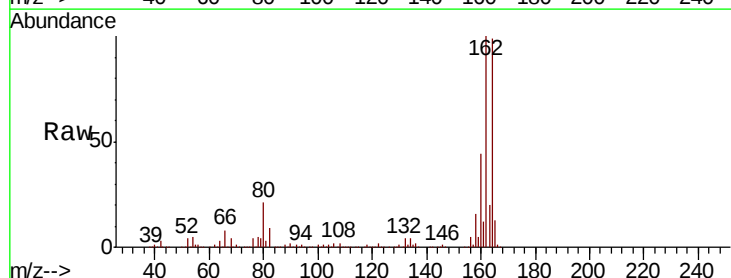
Tgt Ion:165 Resp: 35485

Ion Ratio Lower Upper

165 100

63 1.1 41.7 62.5#

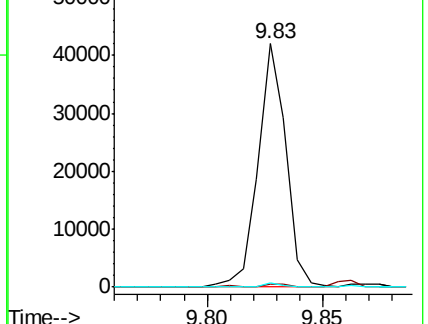
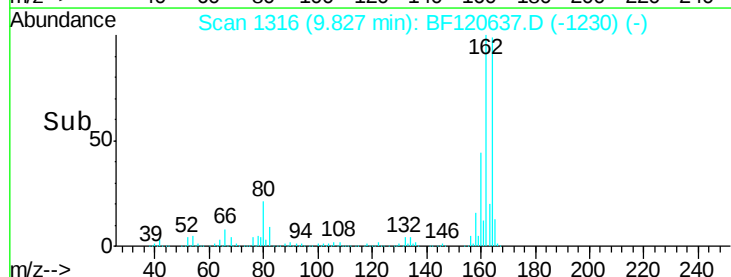
89 1.5 42.6 64.0#

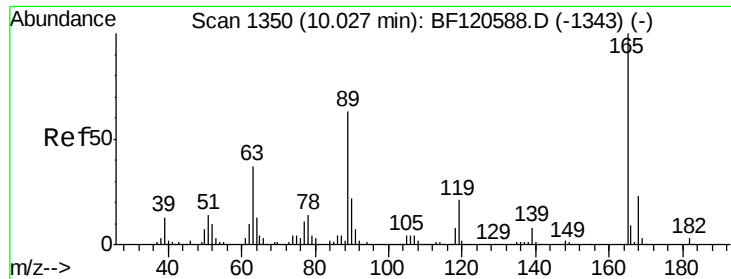


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

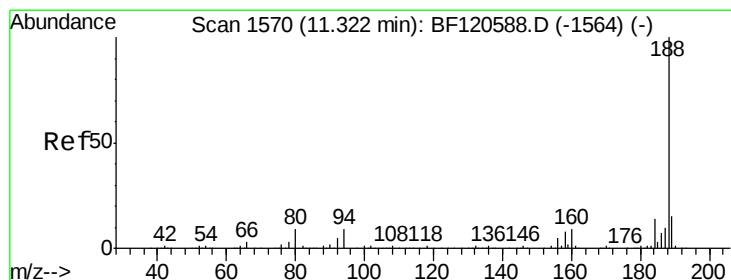
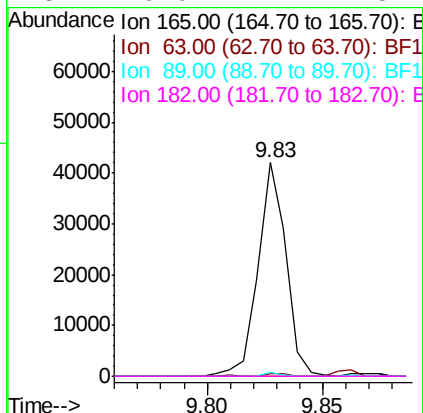
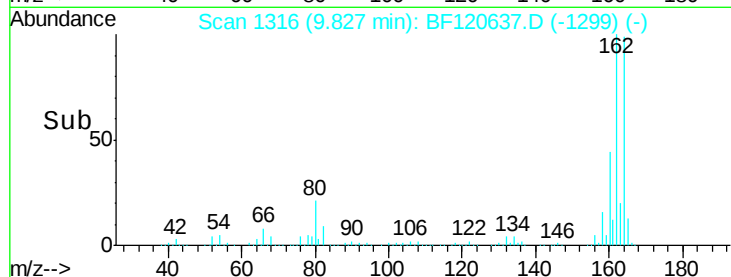
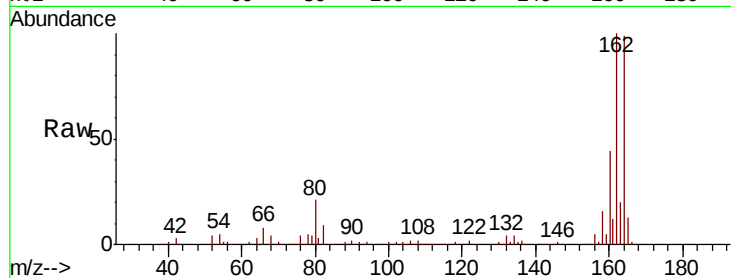




#57
 2,4-Dinitrotoluene
 Concen: 6.070 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.20 min
 Lab File: BF120637.D
 Acq: 17 Jun 2020 17:25

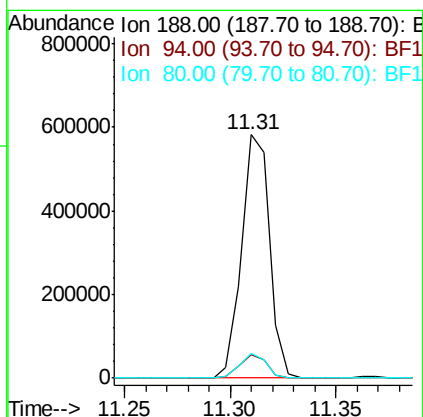
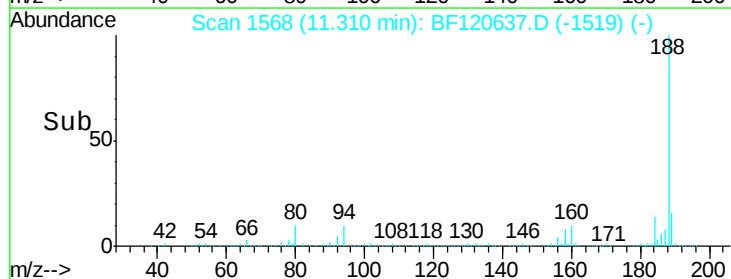
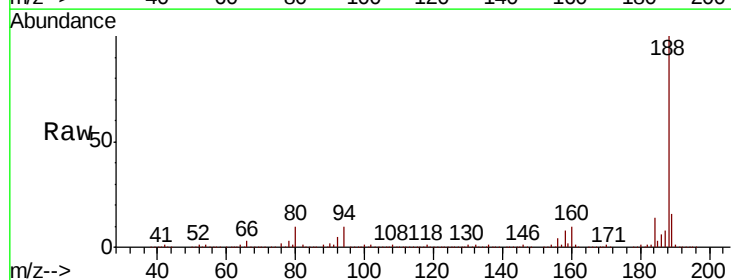
Instrument :
 BNA_F
 ClientSampleId :
 RO-1

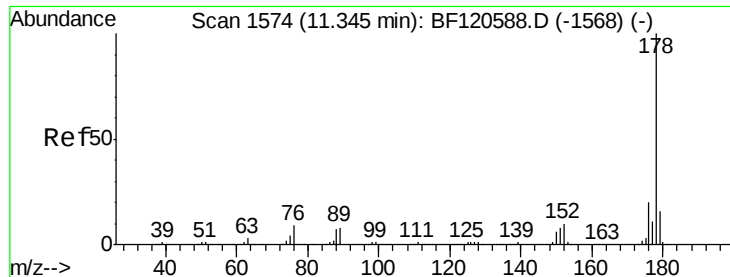
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	29.8	44.8#
89	1.5	50.4	75.6#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF120637.D
 Acq: 17 Jun 2020 17:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.2	10.8
80	9.9	7.4	11.2

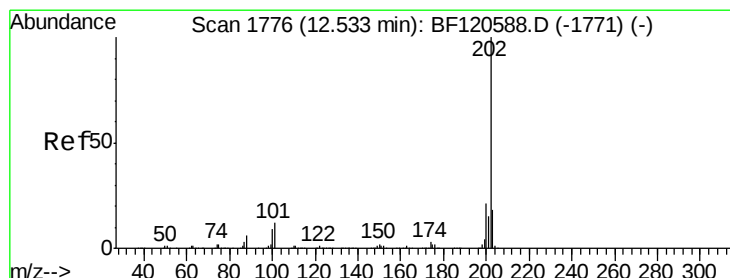
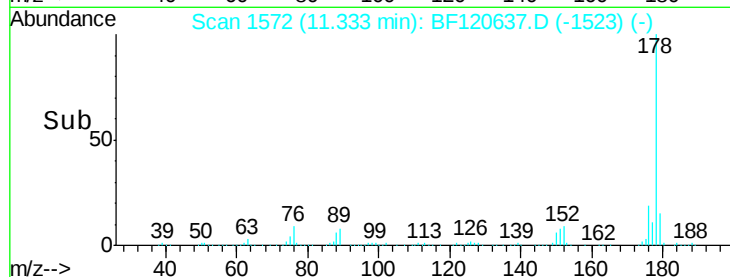
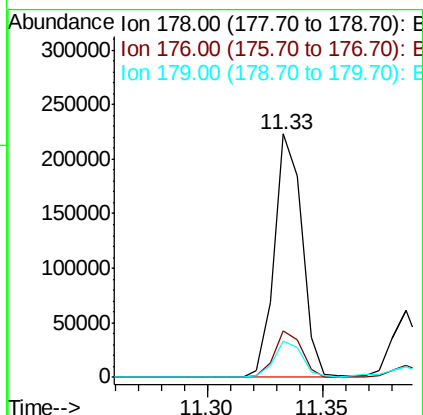
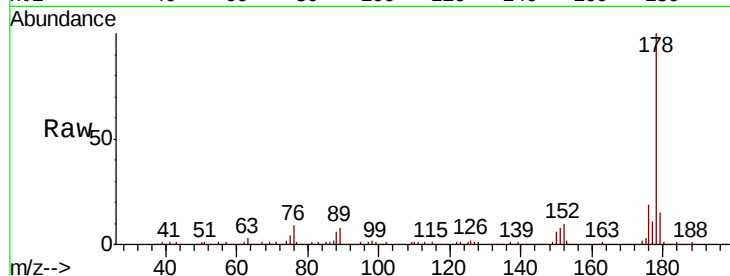




#71
Phenanthrene
Concen: 6.992 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF120637.D
Acq: 17 Jun 2020 17:25

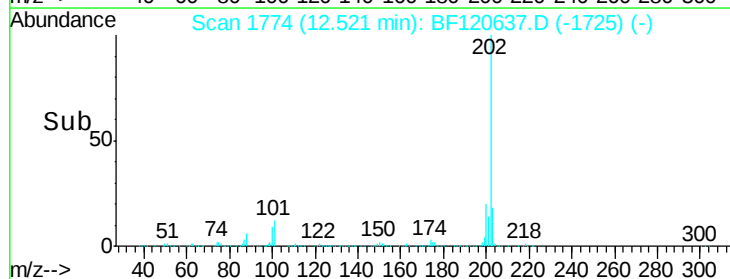
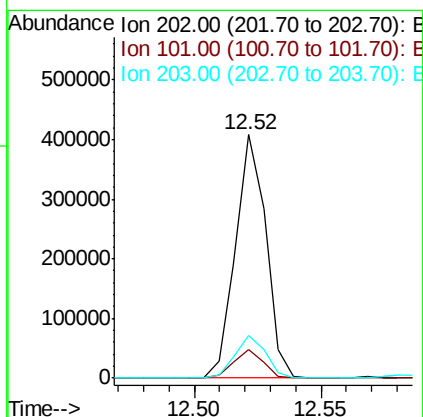
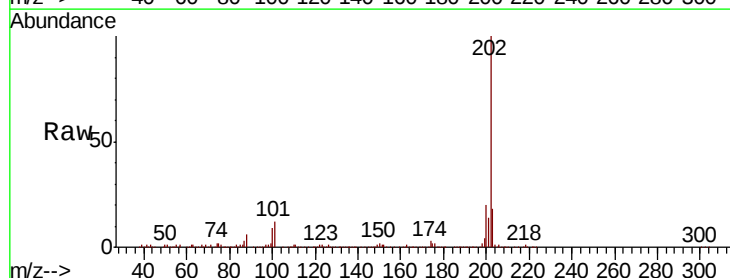
Instrument :
BNA_F
ClientSampleId :
RO-1

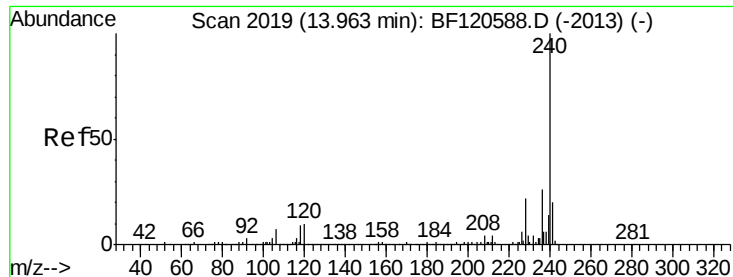
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.9	23.9
179	14.9	12.8	19.2



#75
Fluoranthene
Concen: 11.186 ng
RT: 12.52 min Scan# 1774
Delta R.T. -0.01 min
Lab File: BF120637.D
Acq: 17 Jun 2020 17:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	32.0
203	17.7	0.0	38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF120637.D

Acq: 17 Jun 2020 17:25

Instrument :

BNA_F

ClientSampleId :

RO-1

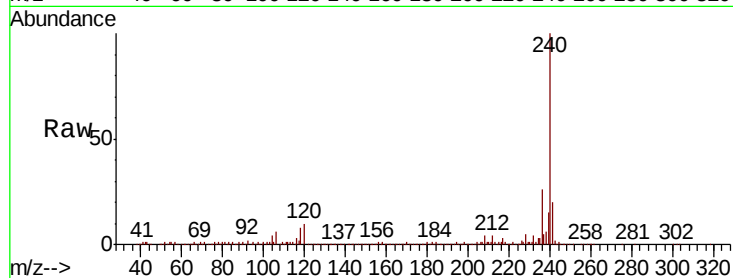
Tot Ion:240 Resp: 481982

Ion Ratio Lower Upper

240 100

120 9.8 8.3 12.5

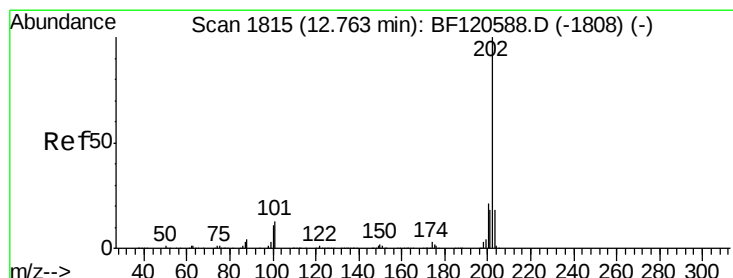
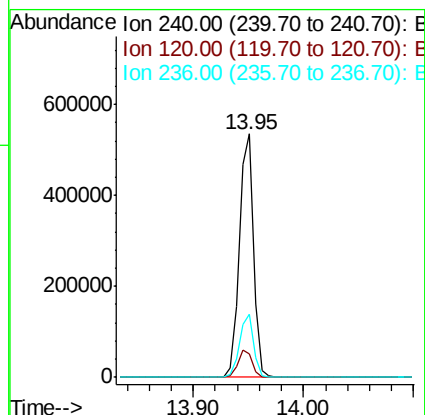
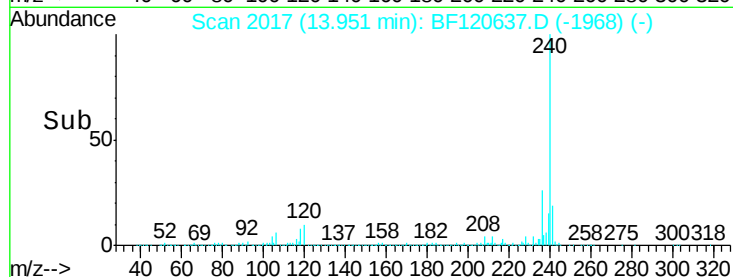
236 25.8 21.0 31.4



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

Pyrene

Concen: 8.761 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF120637.D

Acq: 17 Jun 2020 17:25

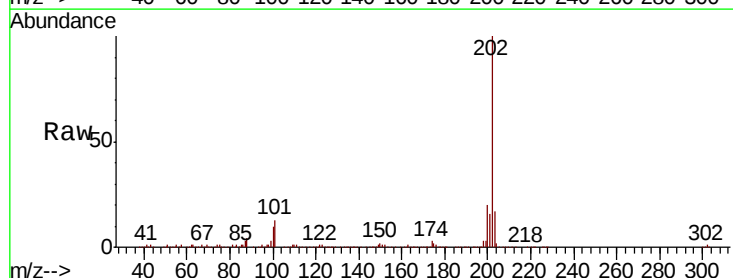
Tgt Ion:202 Resp: 299145

Ion Ratio Lower Upper

202 100

200 20.3 16.8 25.2

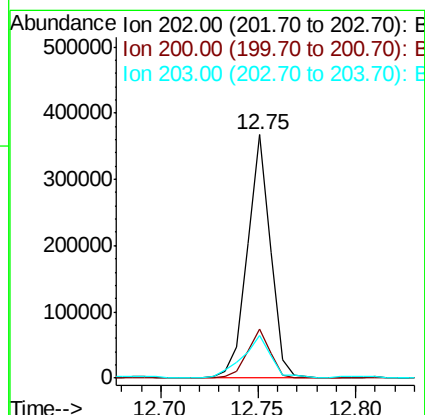
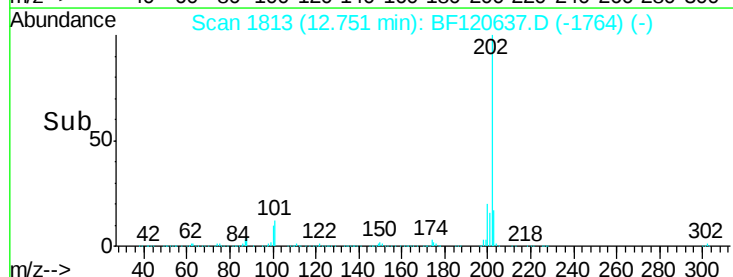
203 17.3 14.3 21.5

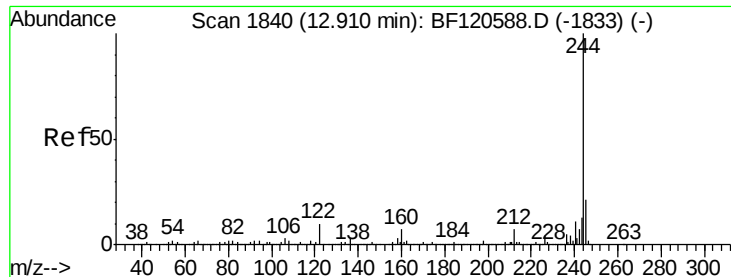


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 55.797 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF120637.D

Acq: 17 Jun 2020 17:25

Instrument :

BNA_F

ClientSampleId :

RO-1

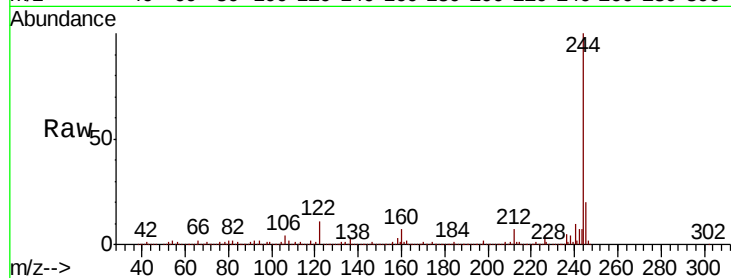
Tot Ion:244 Resp: 1217491

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

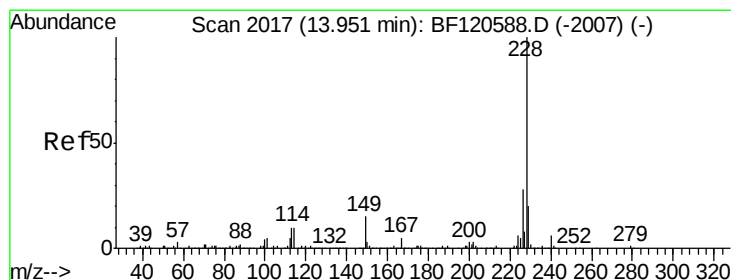
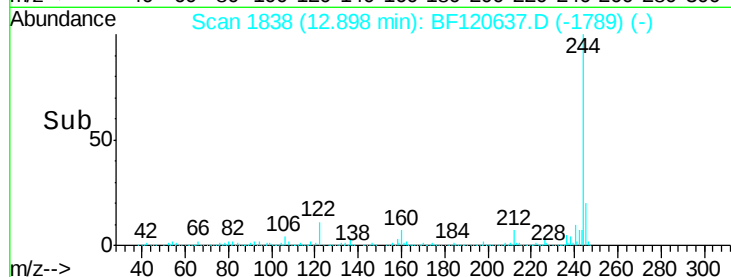
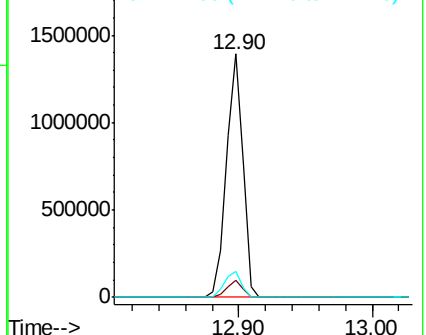
122 10.7 8.3 12.5



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: 5.675 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF120637.D

Acq: 17 Jun 2020 17:25

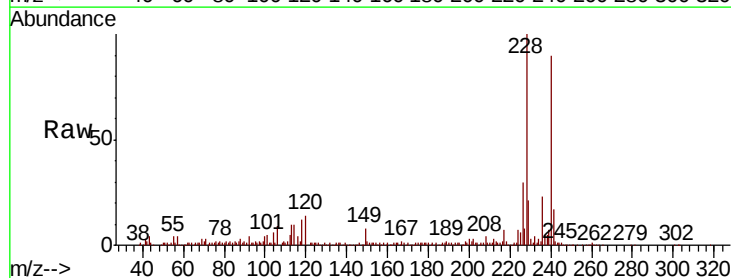
Tgt Ion:228 Resp: 164329

Ion Ratio Lower Upper

228 100

226 30.5 22.5 33.7

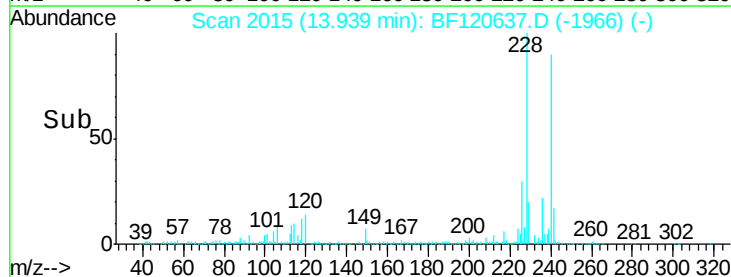
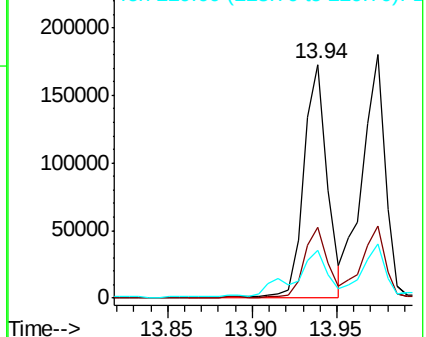
229 20.6 16.1 24.1

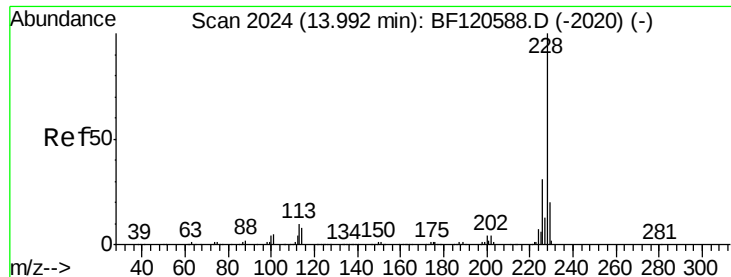


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

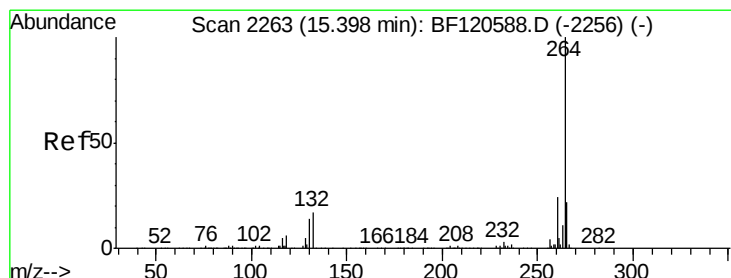
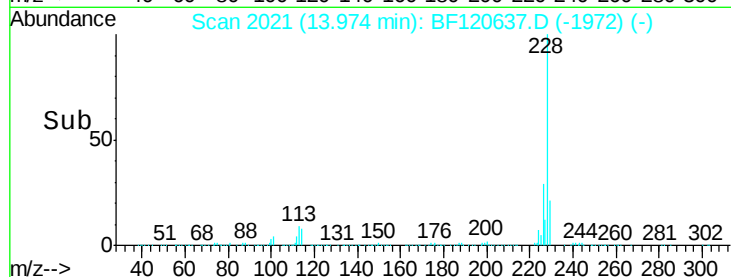
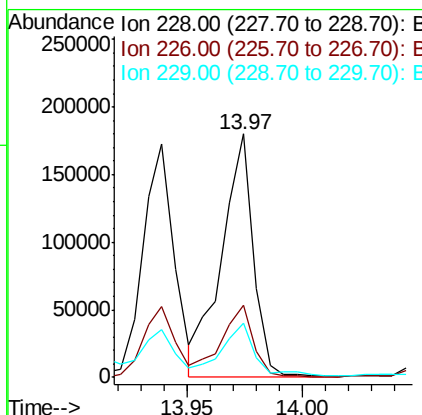
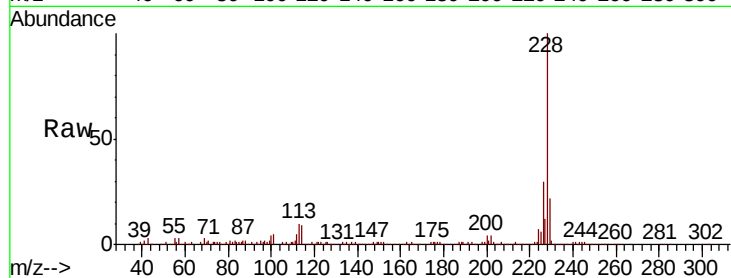




#83
 Chrysene
 Concen: 5.763 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF120637.D
 Acq: 17 Jun 2020 17:25

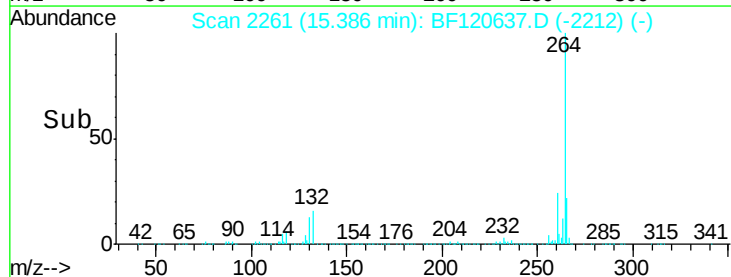
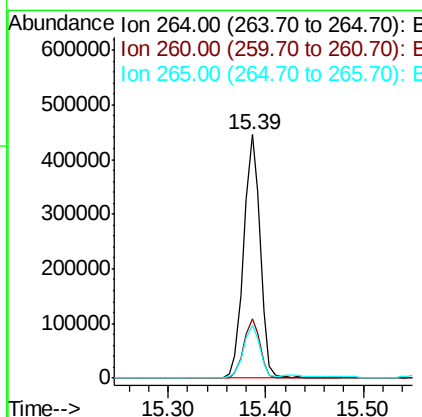
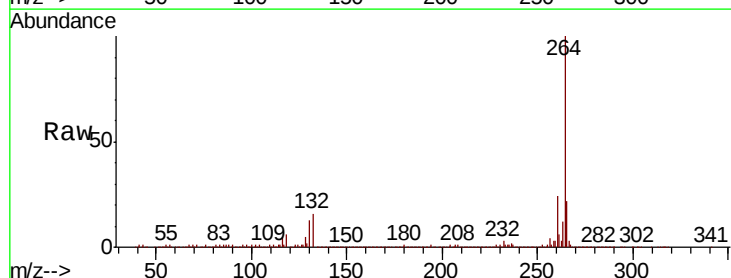
Instrument :
 BNA_F
 ClientSampleID :
 RO-1

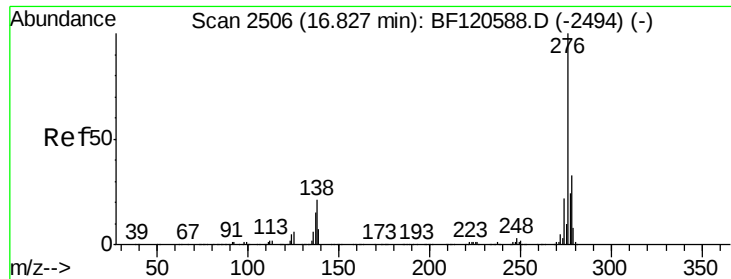
Tot Ion:228 Resp: 171174
 Ion Ratio Lower Upper
 228 100
 226 29.8 24.9 37.3
 229 22.1 16.1 24.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.39 min Scan# 2261
 Delta R.T. -0.01 min
 Lab File: BF120637.D
 Acq: 17 Jun 2020 17:25

Tgt Ion:264 Resp: 520697
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.3 28.9
 265 21.9 17.8 26.8

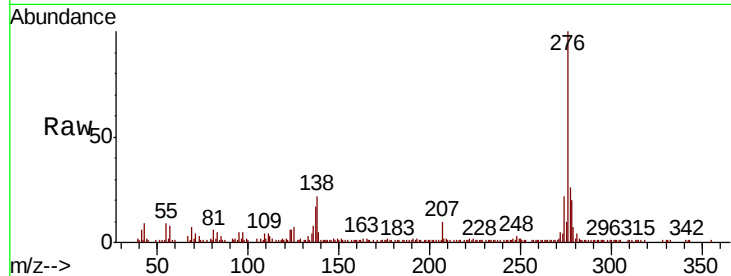




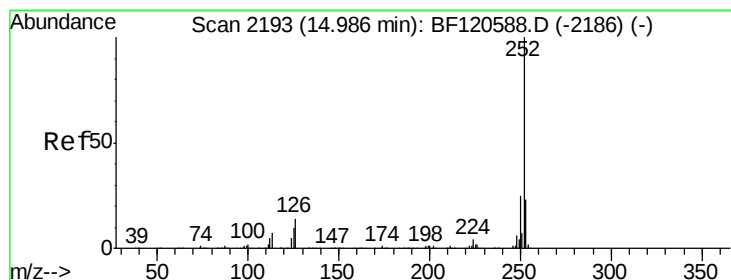
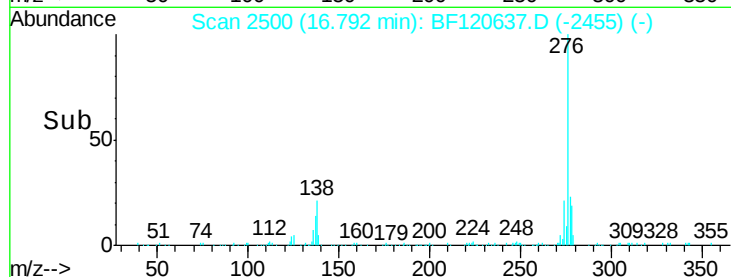
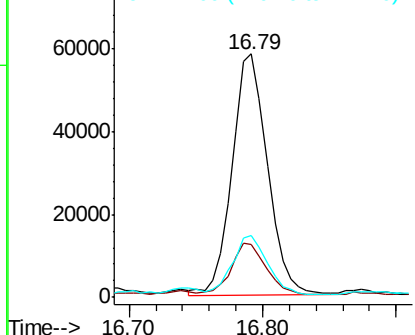
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.405 ng
 RT: 16.79 min Scan# 2500
 Delta R.T. -0.04 min
 Lab File: BF120637.D
 Acq: 17 Jun 2020 17:25

Instrument :
 BNA_F
 ClientSampleId :
 RO-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.4	18.9	28.3
277	24.6	20.2	30.2

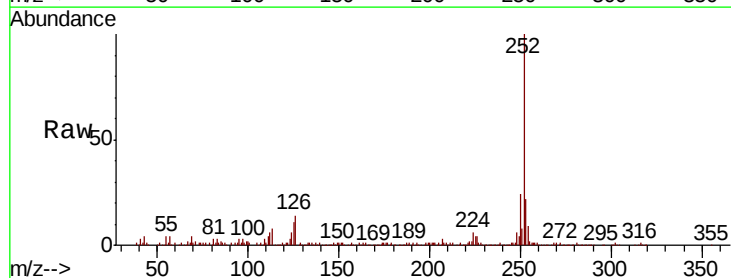


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

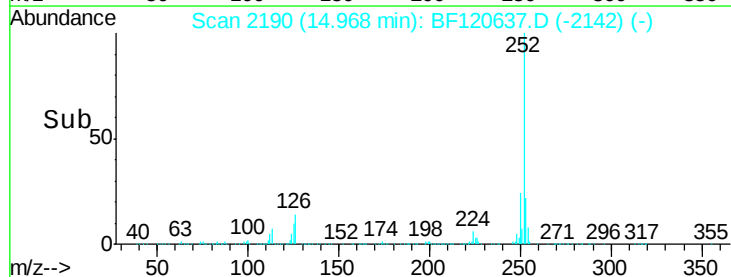
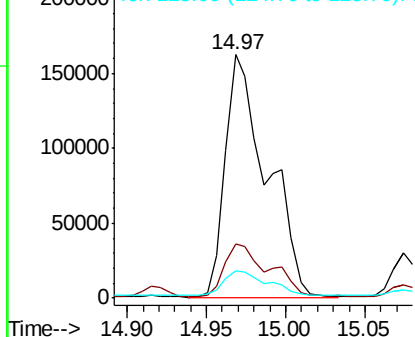


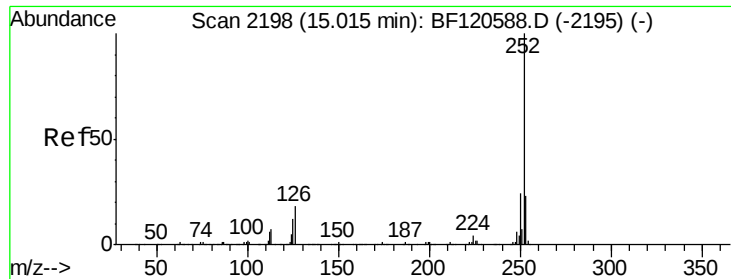
#88
 Benzo(b)fluoranthene
 Concen: 9.593 ng
 RT: 14.97 min Scan# 2190
 Delta R.T. -0.02 min
 Lab File: BF120637.D
 Acq: 17 Jun 2020 17:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	11.3	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

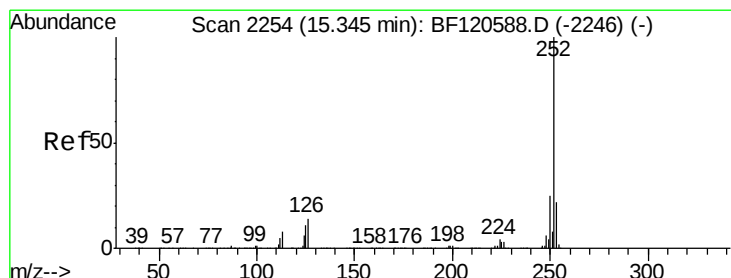
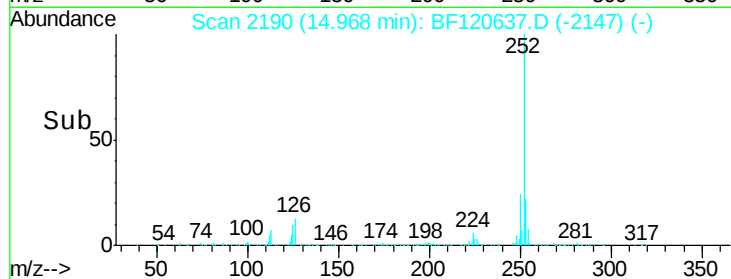
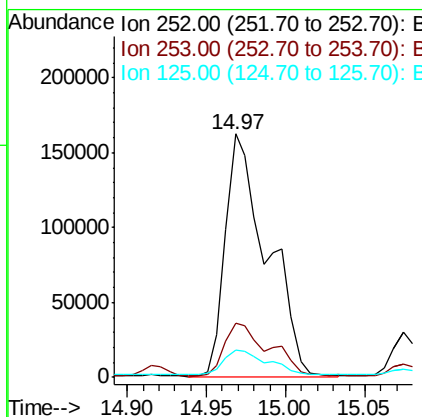
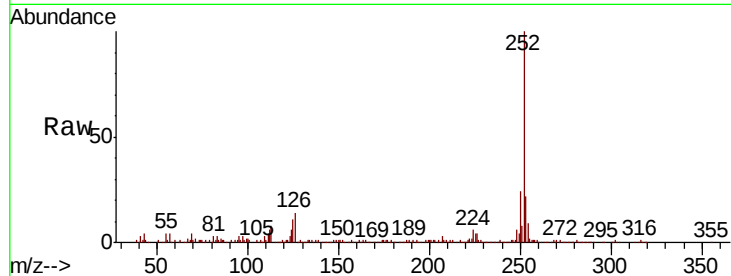




#89
Benzo(k)fluoranthene
Concen: 10.841 ng
RT: 14.97 min Scan# 2190
Delta R.T. -0.05 min
Lab File: BF120637.D
Acq: 17 Jun 2020 17:25

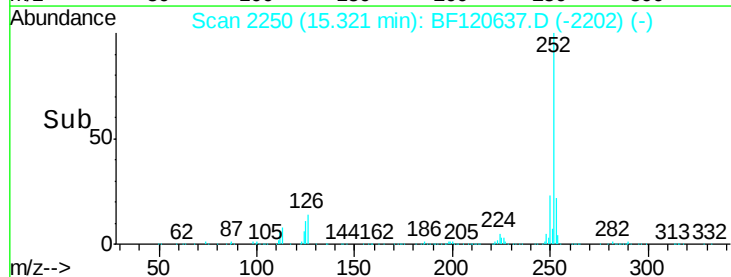
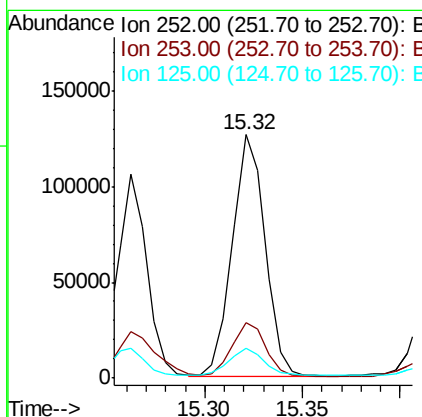
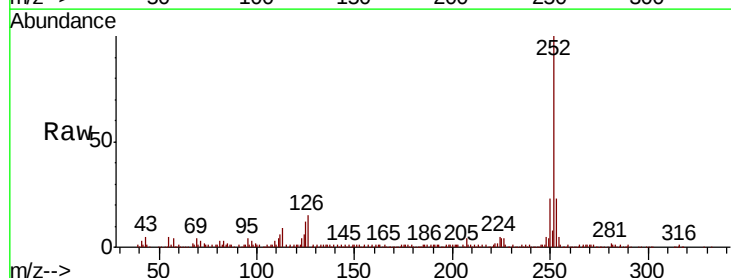
Instrument :
BNA_F
ClientSampleId :
RO-1

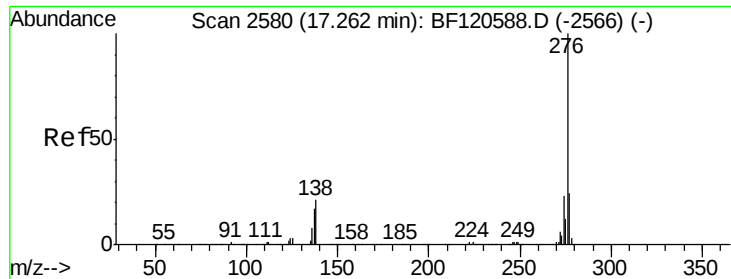
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	11.3	8.3	12.5



#90
Benzo(a)pyrene
Concen: 5.339 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.02 min
Lab File: BF120637.D
Acq: 17 Jun 2020 17:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	12.1	8.6	12.8

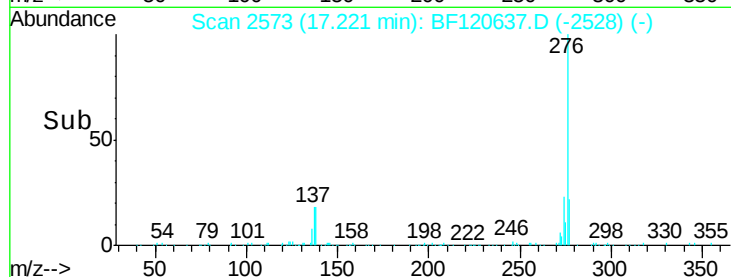
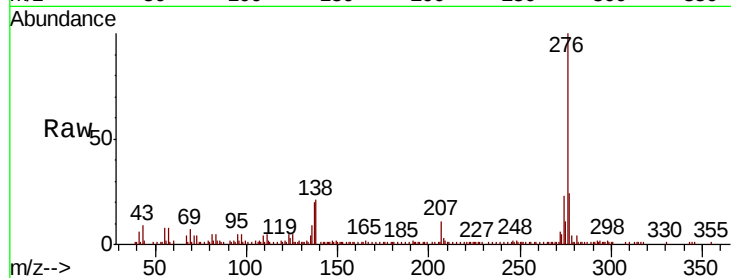




#92
 Benzo(a,h,i)perylene
 Concen: 4.112 ng
 RT: 17.22 min Scan# 2573
 Delta R.T. -0.04 min
 Lab File: BF120637.D
 Acq: 17 Jun 2020 17:25

Instrument :
 BNA_F
 ClientSampleId :
 RO-1

Tot Ion:	276	Resp:	105275
Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.6	29.4
138	20.7	16.5	24.7



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

