

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082520\
 Data File : BF121425.D
 Acq On : 25 Aug 2020 13:52
 Operator : JU/CG
 Sample : L3784-16
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-04

Quant Time: Aug 25 14:29:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 04:56:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	151920	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	597367	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	313314	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	623103	20.00	ng	0.00
76) Chrysene-d12	13.85	240	574733	20.00	ng	0.00
86) Perylene-d12	15.27	264	595087	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	685330	73.97	ng	0.01
7) Phenol-d6	6.35	99	845541	71.49	ng	0.00
23) Nitrobenzene-d5	7.26	82	551500	52.21	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	258745	70.87	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	958152	53.99	ng	0.00
79) Terphenyl-d14	12.80	244	1018211	34.62	ng	0.00

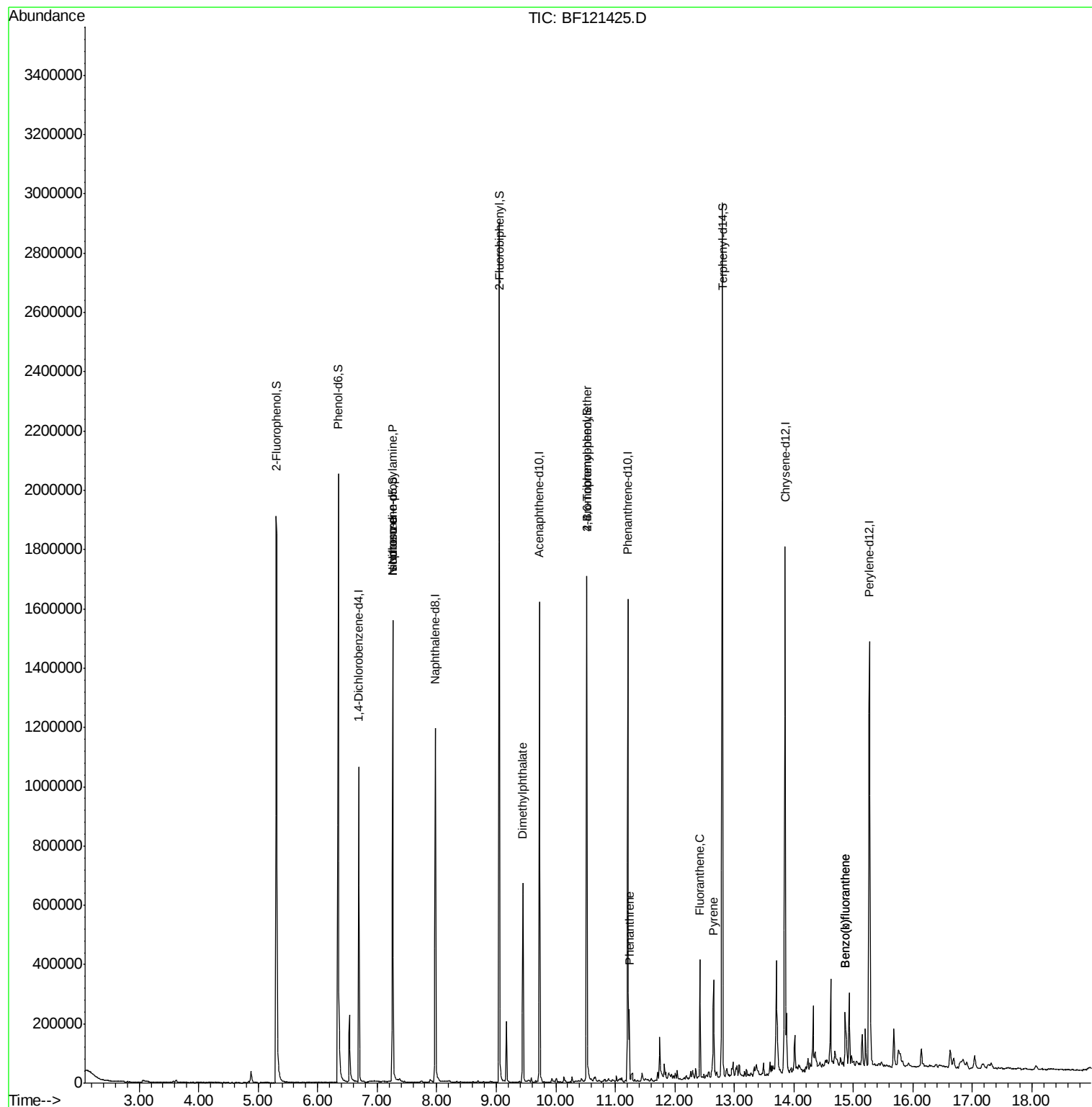
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	70755	11.123	ng	# 78
25) Isophorone	7.26	82	551497	28.691	ng	# 65
50) Dimethylphthalate	9.45	163	297954	13.071	ng	99
55) Dibenzofuran	9.93	168	4272	Below Cal		91
58) Fluorene	10.27	166	5752	Below Cal	#	98
67) 4-Bromophenyl-phenylether	10.52	248	14780	2.138	ng	# 1
71) Phenanthrene	11.23	178	77899	2.416	ng	99
75) Fluoranthene	12.42	202	149609	4.274	ng	98
78) Pyrene	12.65	202	129419	2.998	ng	99
88) Benzo(b)fluoranthene	14.86	252	121037	3.148	ng	98
89) Benzo(k)fluoranthene	14.86	252	121037	3.577	ng	98

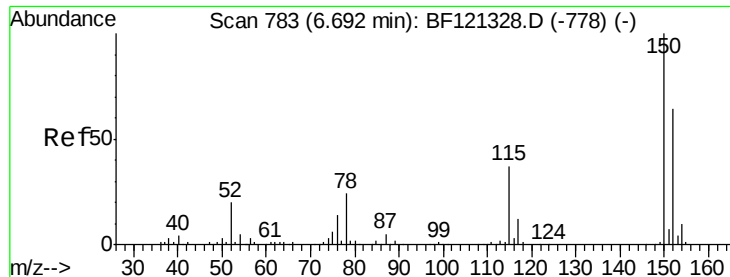
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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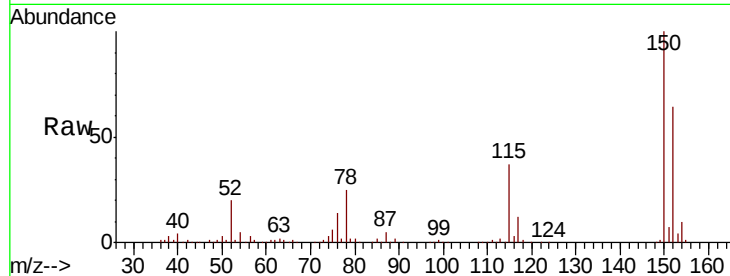


#1

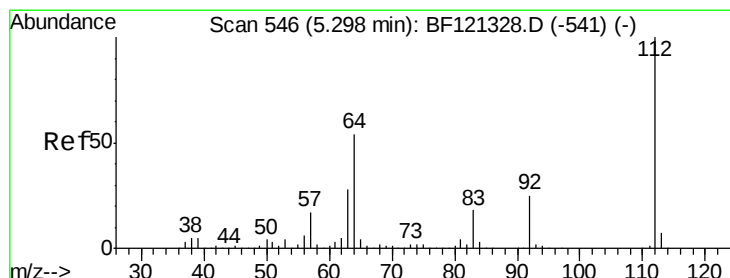
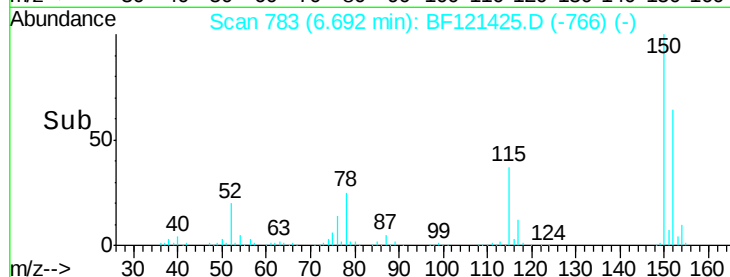
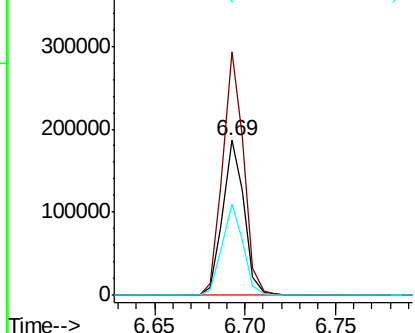
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF121425.D
Acq: 25 Aug 2020 13:52

Instrument :
BNA_F
ClientSampleId :
RO-04

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.8	187.2
115	58.6	46.1	69.1



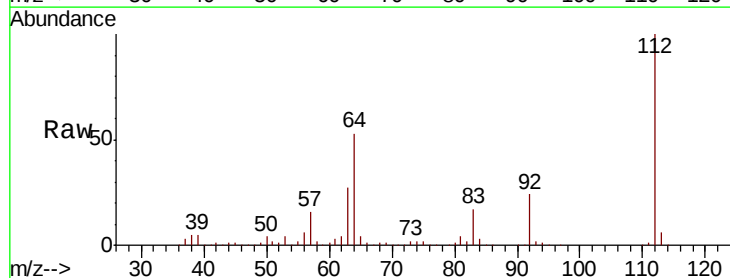
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



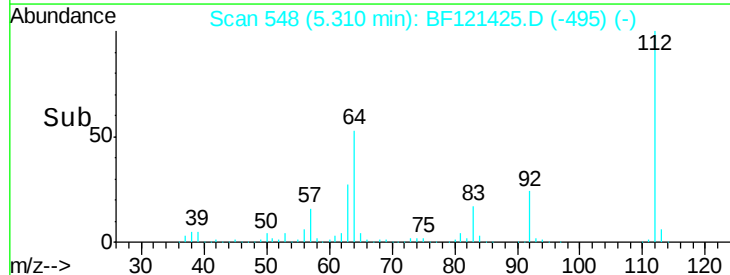
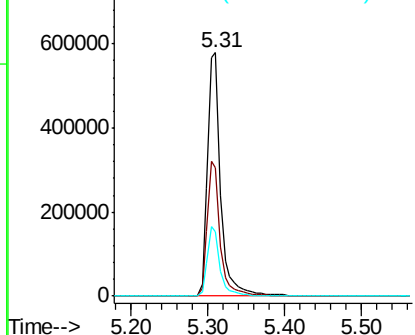
#5

2-Fluorophenol
Concen: 73.970 ng
RT: 5.31 min Scan# 548
Delta R.T. 0.01 min
Lab File: BF121425.D
Acq: 25 Aug 2020 13:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	43.5	65.3
63	26.7	22.0	33.0



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: 71.489 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF121425.D

Acq: 25 Aug 2020 13:52

Instrument :

BNA_F

ClientSampleId :

RO-04

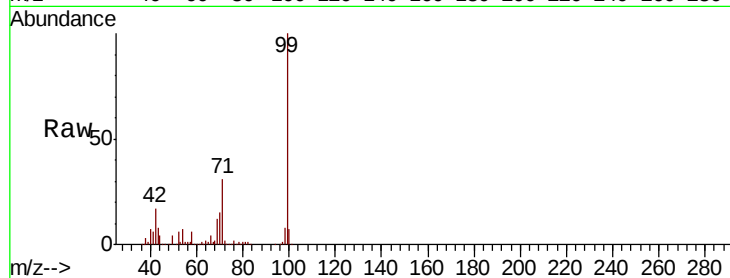
Tot Ion: 99 Resp: 845541

Ion Ratio Lower Upper

99 100

42 16.8 13.5 20.3

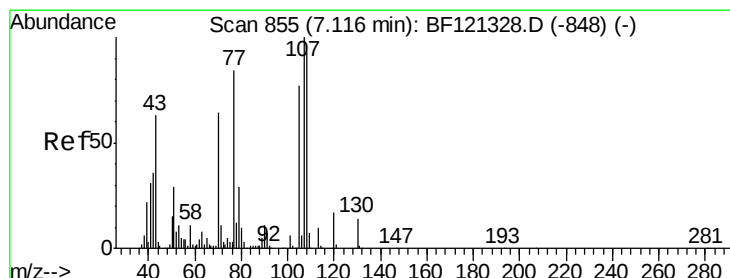
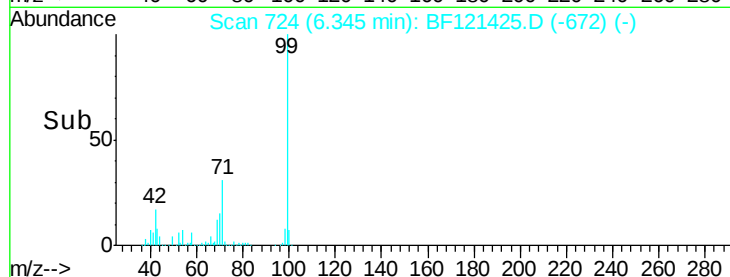
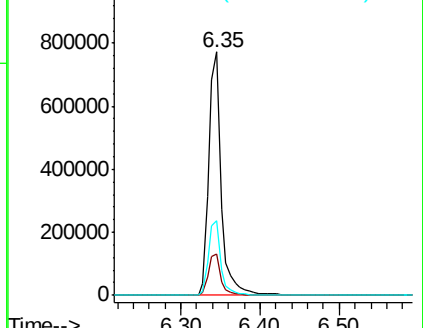
71 30.6 25.2 37.8



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: 11.123 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.15 min

Lab File: BF121425.D

Acq: 25 Aug 2020 13:52

Tgt Ion: 70 Resp: 70755

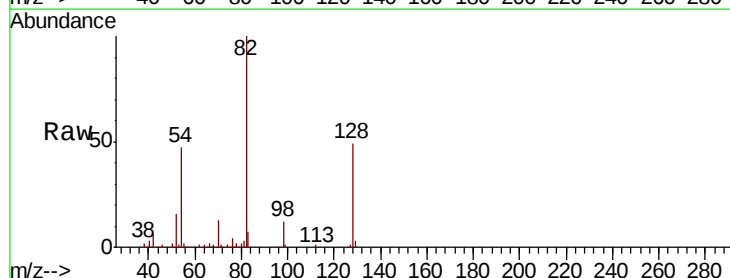
Ion Ratio Lower Upper

70 100

42 45.8 45.2 67.8

101 0.0 7.7 11.5#

130 2.5 17.6 26.4#

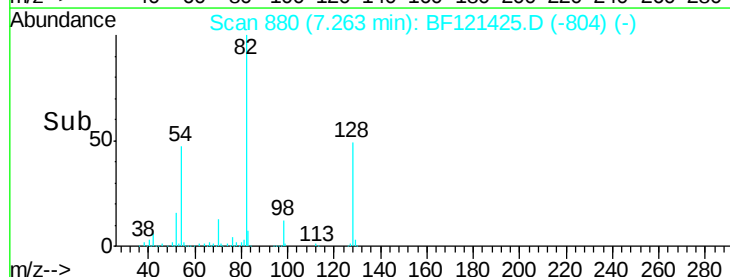
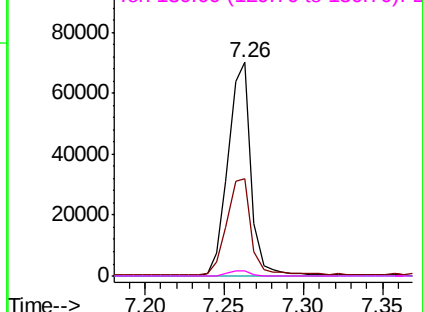


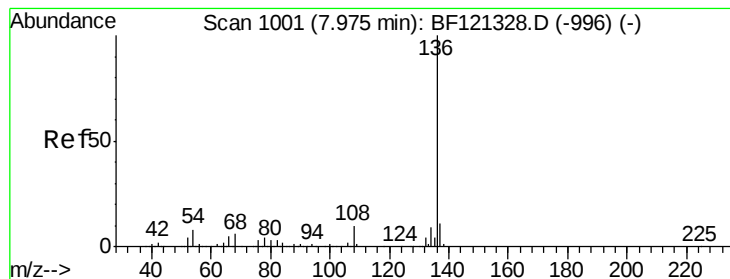
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.97 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BF121425.D

Acq: 25 Aug 2020 13:52

Instrument :

BNA_F

ClientSampleId :

RO-04

Tot Ion:136 Resp: 597367

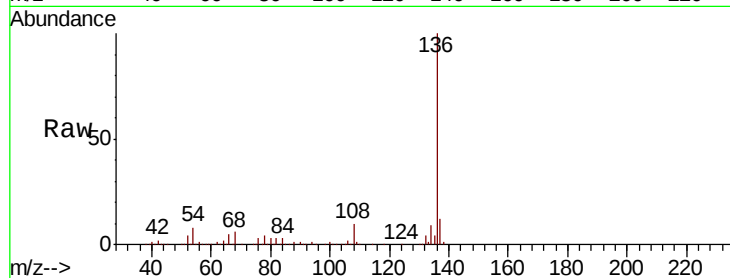
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 8.1 6.1 9.1

68 6.5 5.0 7.4

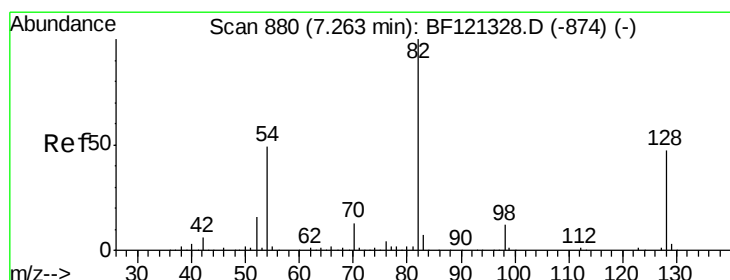
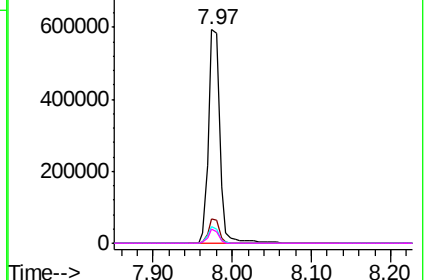
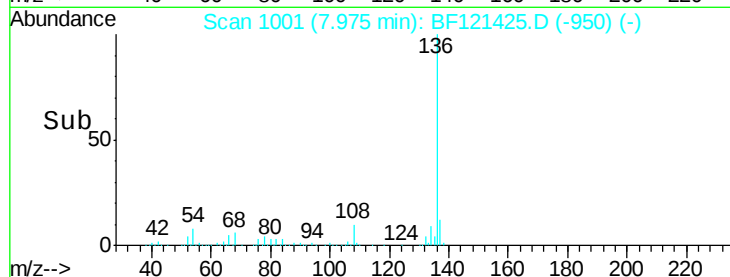


Abundance Ion 136.00 (135.70 to 136.70): E

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: 52.214 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.00 min

Lab File: BF121425.D

Acq: 25 Aug 2020 13:52

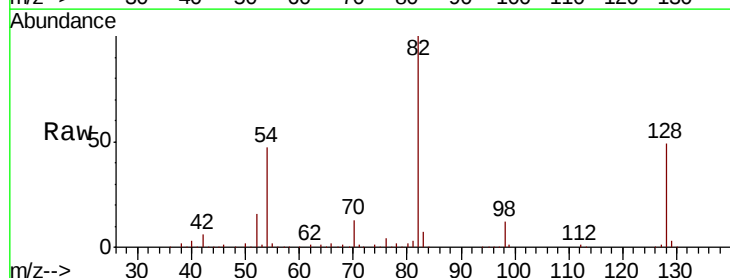
Tgt Ion: 82 Resp: 551500

Ion Ratio Lower Upper

82 100

128 49.0 37.9 56.9

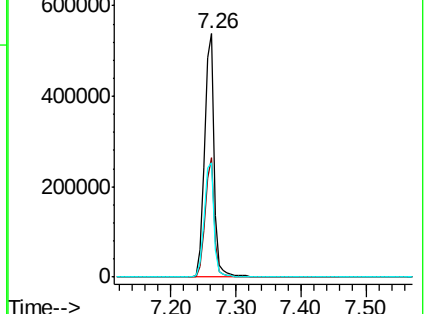
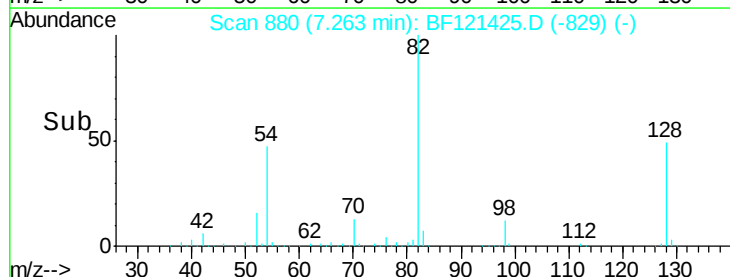
54 47.2 39.0 58.4

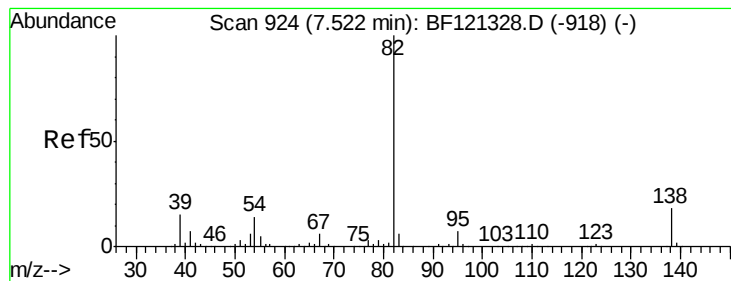


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 28.691 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.26 min

Lab File: BF121425.D

Acq: 25 Aug 2020 13:52

Instrument :

BNA_F

ClientSampleId :

RO-04

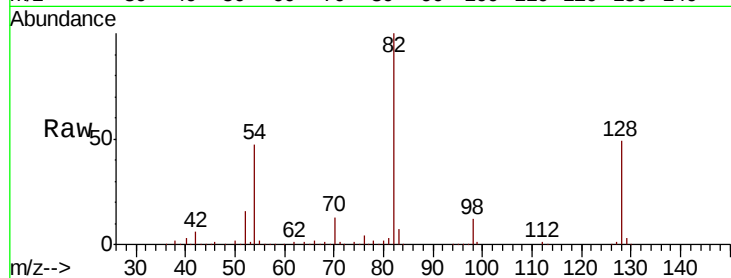
Tot Ion: 82 Resp: 551497

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

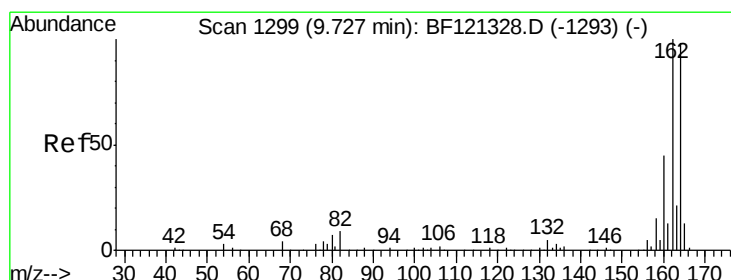
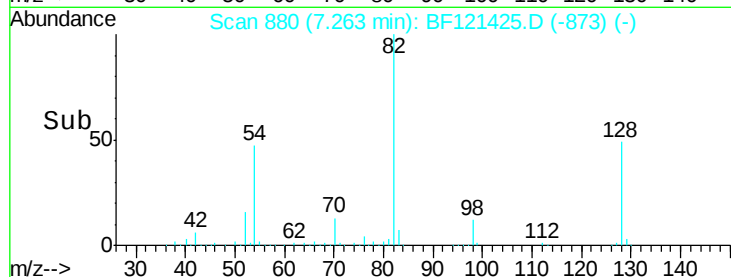
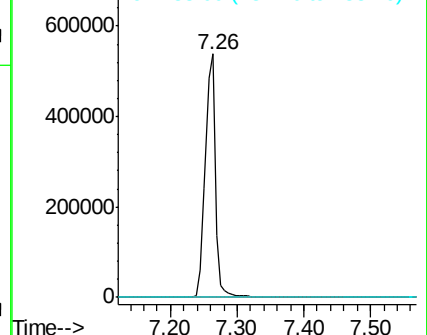
138 0.0 14.6 21.8#



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: 9.73 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BF121425.D

Acq: 25 Aug 2020 13:52

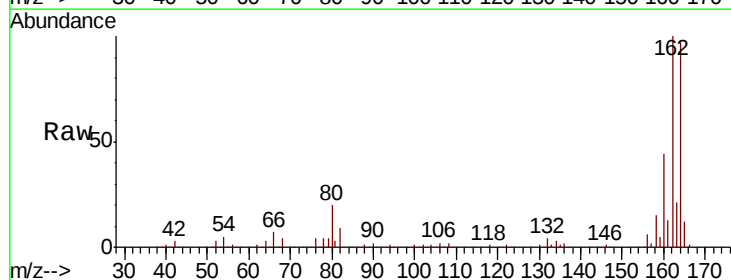
Tgt Ion:164 Resp: 313314

Ion Ratio Lower Upper

164 100

162 103.2 81.7 122.5

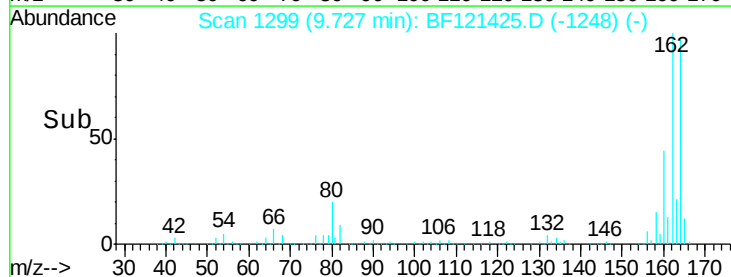
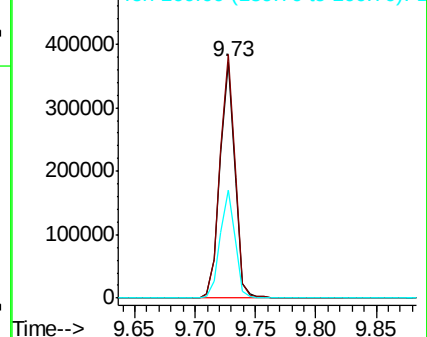
160 45.7 37.0 55.4

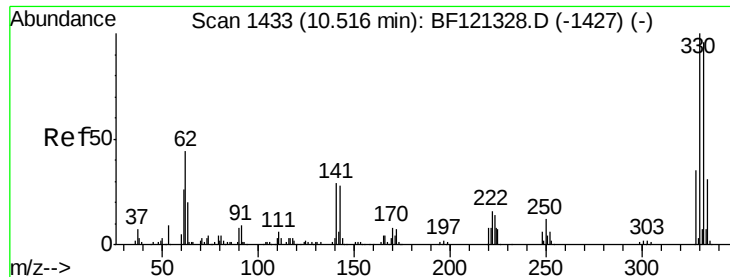


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 70.868 ng

RT: 10.52 min Scan# 1434

Delta R.T. 0.01 min

Lab File: BF121425.D

Acq: 25 Aug 2020 13:52

Instrument :

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ClientSampleId :

RO-04

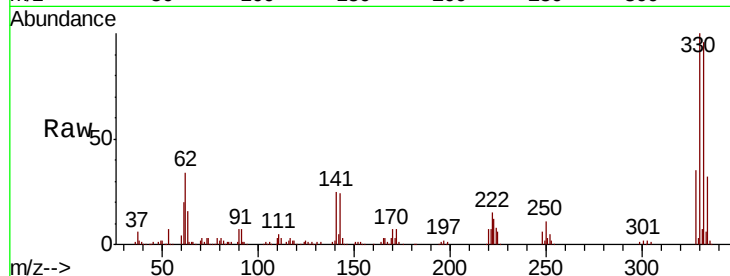
Tot Ion:330 Resp: 258745

Ion Ratio Lower Upper

330 100

332 95.8 76.9 115.3

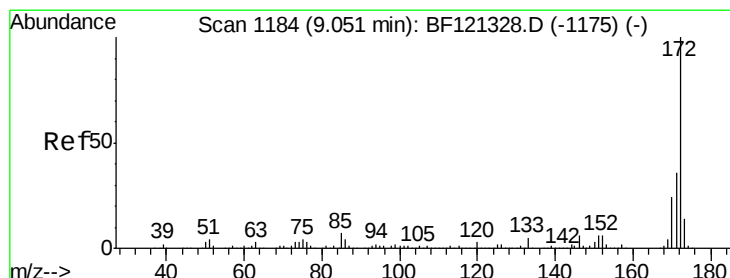
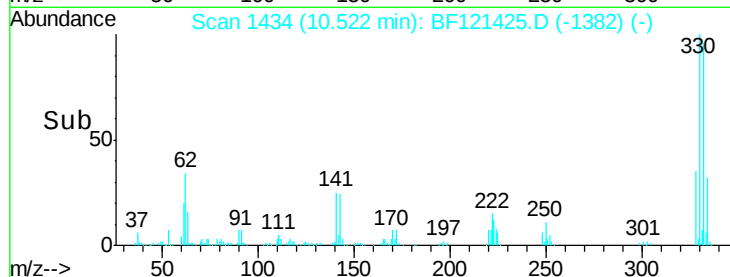
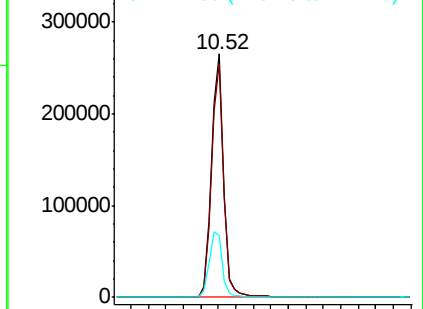
141 29.0 22.8 34.2



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: 53.991 ng

RT: 9.05 min Scan# 1184

Delta R.T. 0.00 min

Lab File: BF121425.D

Acq: 25 Aug 2020 13:52

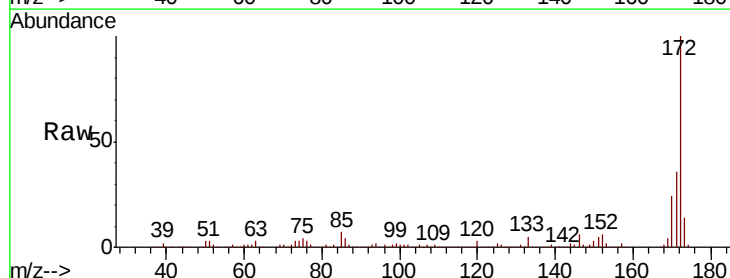
Tgt Ion:172 Resp: 958152

Ion Ratio Lower Upper

172 100

171 35.5 29.0 43.6

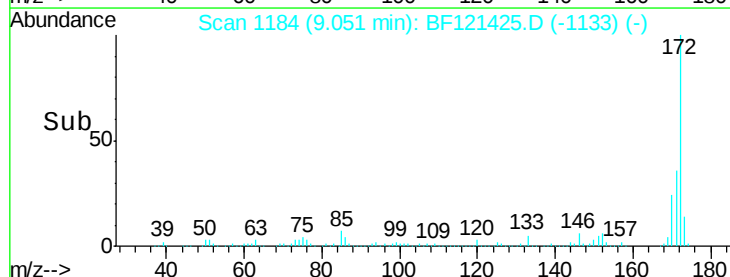
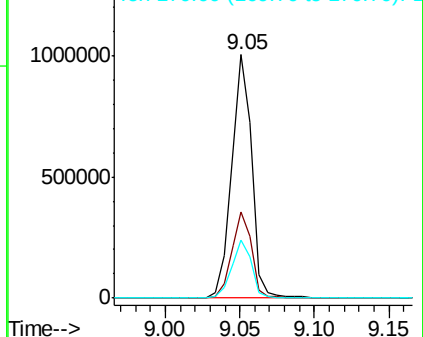
170 23.9 19.4 29.2

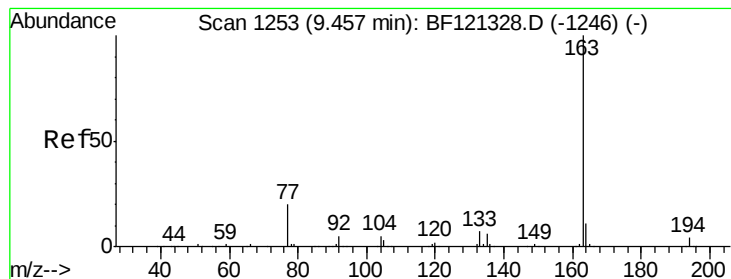


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 13.071 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.01 min

Lab File: BF121425.D

Acq: 25 Aug 2020 13:52

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RO-04

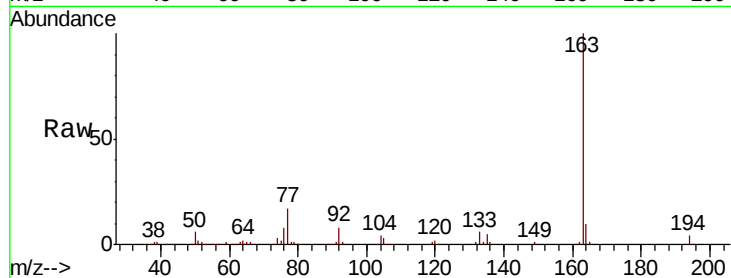
Tot Ion:163 Resp: 297954

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.6

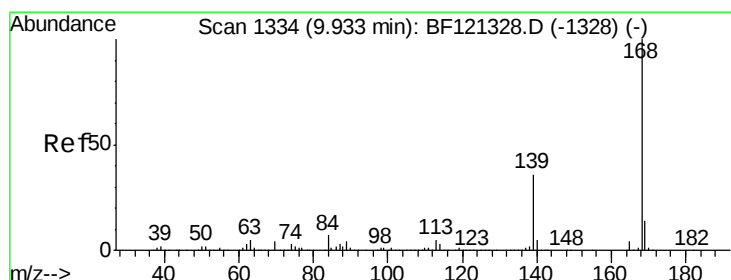
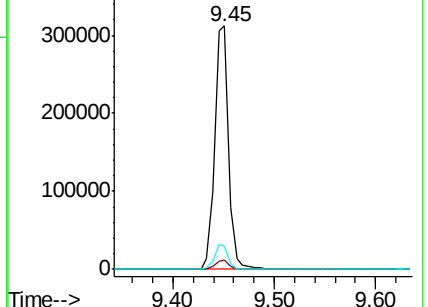
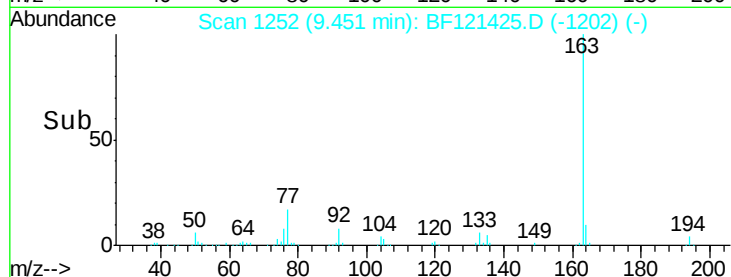
164 9.8 8.4 12.6



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



#55

Dibenzofuran

Concen: Below Cal

RT: 9.93 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF121425.D

Acq: 25 Aug 2020 13:52

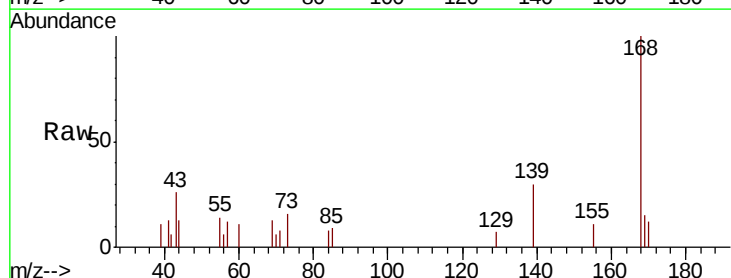
Tgt Ion:168 Resp: 4272

Ion Ratio Lower Upper

168 100

139 29.5 29.1 43.7

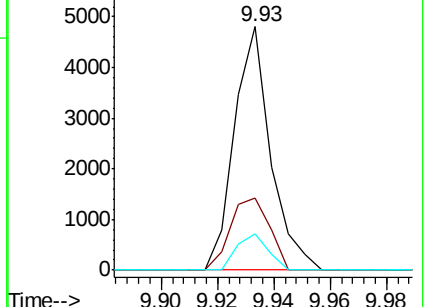
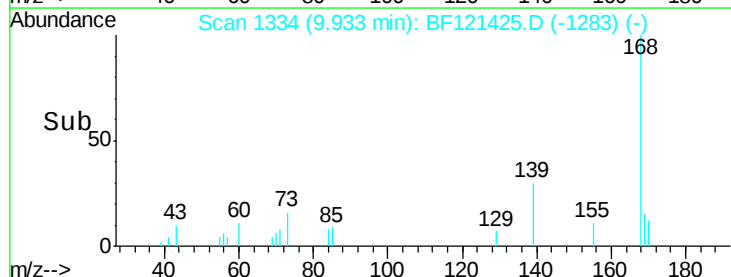
169 14.8 11.0 16.6

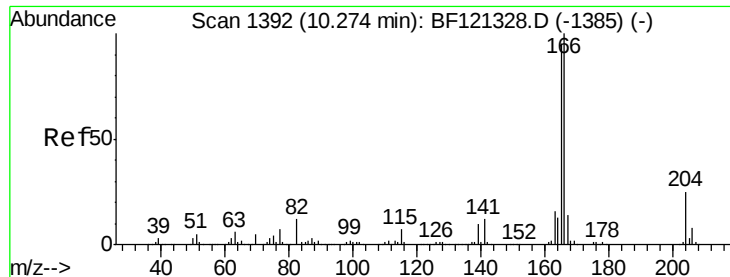


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#58

Fluorene

Concen: Below Cal

RT: 10.27 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BF121425.D

Acq: 25 Aug 2020 13:52

Instrument :

BNA_F

ClientSampleId :

RO-04

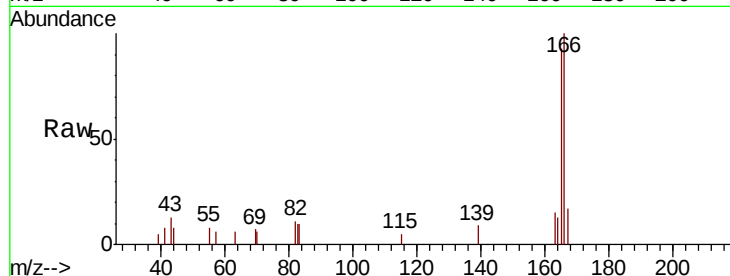
Tot Ion:166 Resp: 5752

Ion Ratio Lower Upper

166 100

165 93.3 75.8 113.8

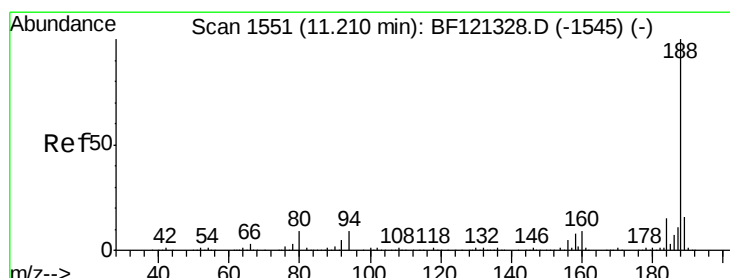
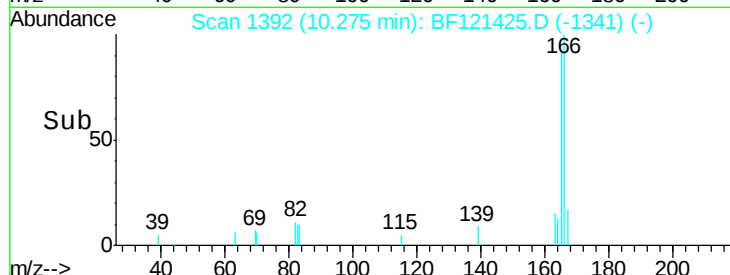
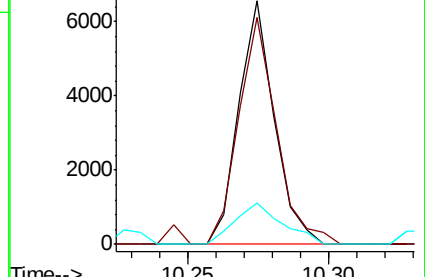
167 17.2 11.0 16.4#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.21 min Scan# 1551

Delta R.T. 0.00 min

Lab File: BF121425.D

Acq: 25 Aug 2020 13:52

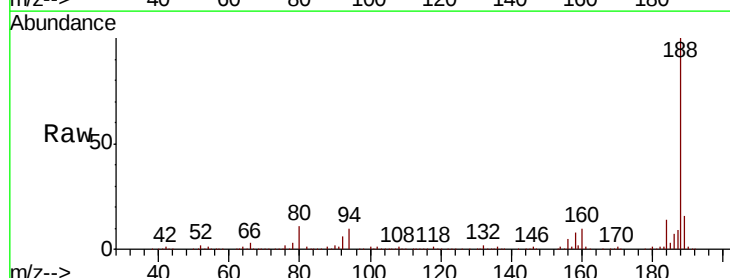
Tgt Ion:188 Resp: 623103

Ion Ratio Lower Upper

188 100

94 10.1 7.2 10.8

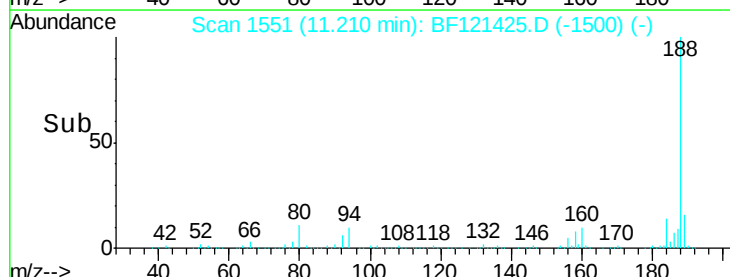
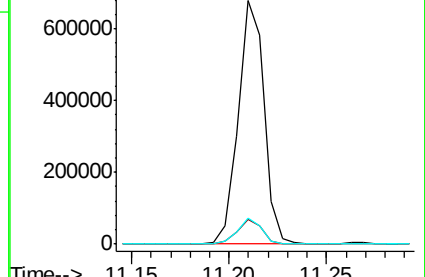
80 10.7 7.4 11.0

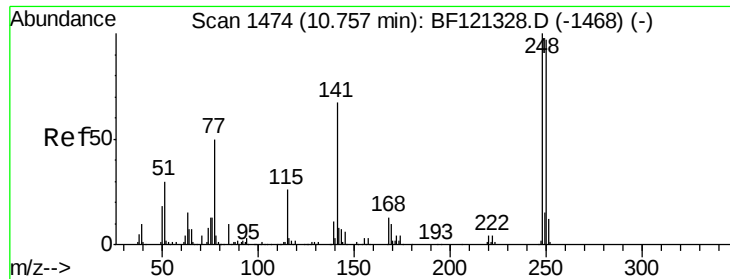


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

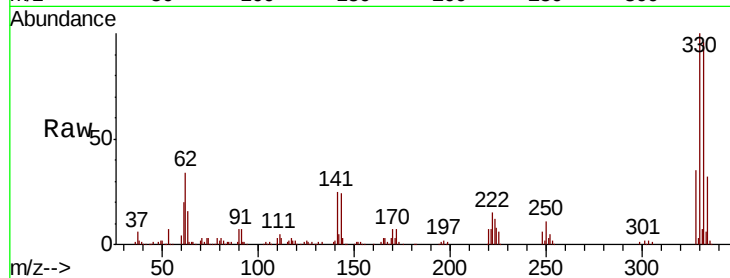




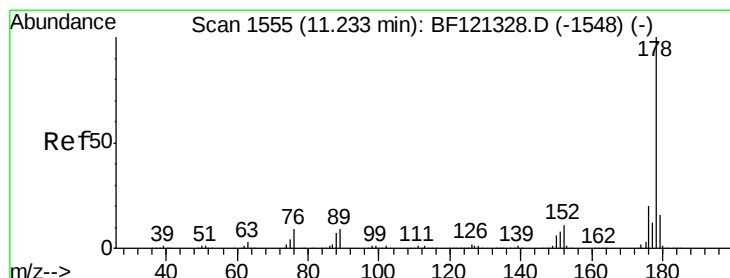
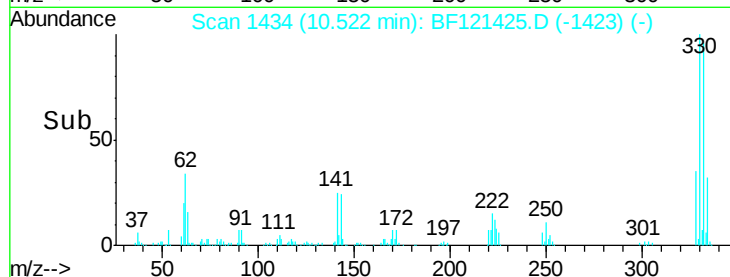
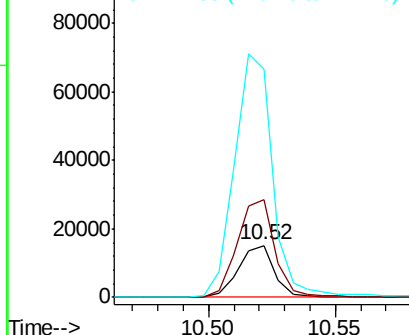
#67
 4-Bromophenyl-phenylether
 Concen: 2.138 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.24 min
 Lab File: BF121425.D
 Acq: 25 Aug 2020 13:52

Instrument :
 BNA_F
 ClientSampleId :
 RO-04

Tot Ion:248 Resp: 14780
 Ion Ratio Lower Upper
 248 100
 250 189.1 77.9 116.9#
 141 441.4 53.5 80.3#

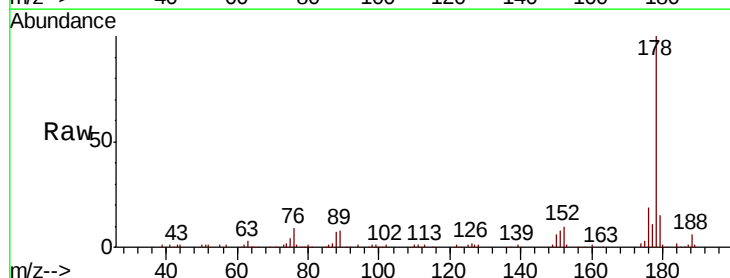


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

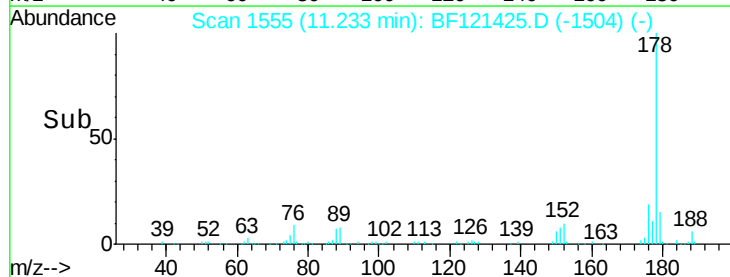
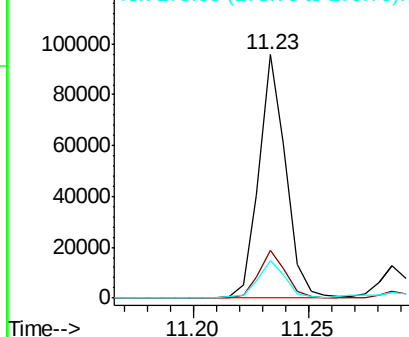


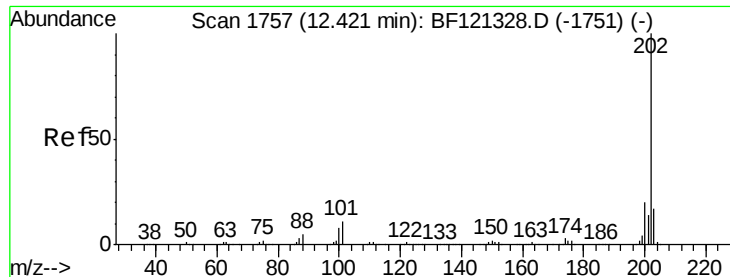
#71
 Phenanthrene
 Concen: 2.416 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. 0.00 min
 Lab File: BF121425.D
 Acq: 25 Aug 2020 13:52

Tgt Ion:178 Resp: 77899
 Ion Ratio Lower Upper
 178 100
 176 19.4 16.0 24.0
 179 15.3 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: 4.274 ng

RT: 12.42 min Scan# 1757

Delta R.T. 0.00 min

Lab File: BF121425.D

Acq: 25 Aug 2020 13:52

Instrument :

BNA_F

ClientSampleId :

RO-04

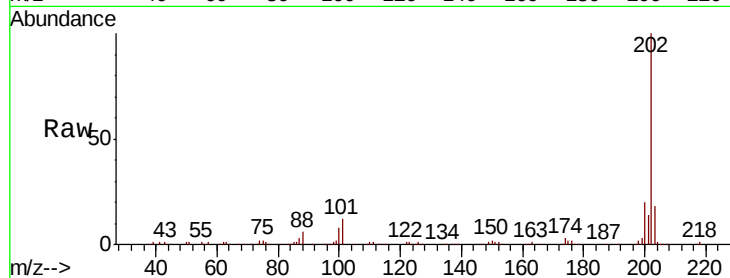
Tot Ion:202 Resp: 149609

Ion Ratio Lower Upper

202 100

101 11.8 0.0 30.6

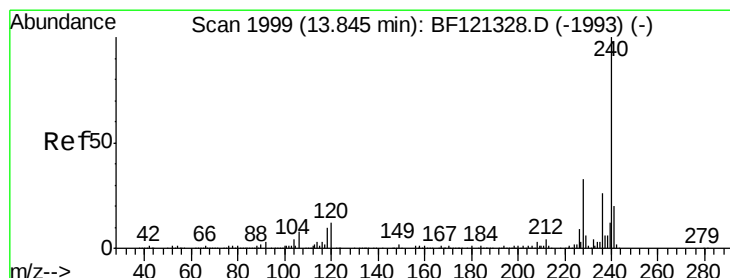
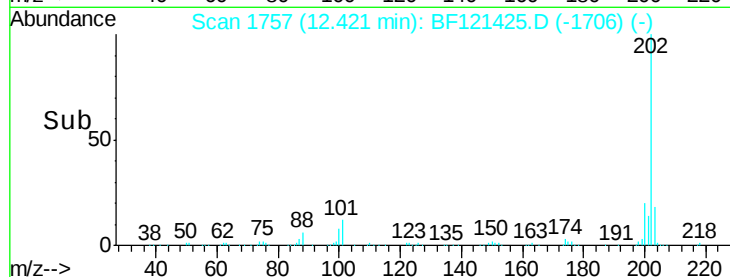
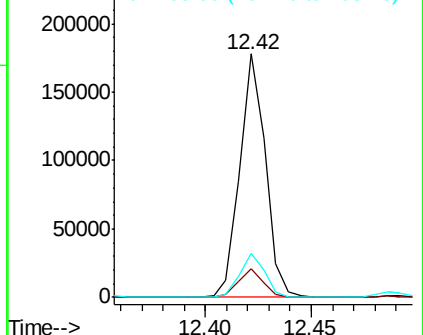
203 18.1 0.0 37.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.85 min Scan# 2000

Delta R.T. 0.01 min

Lab File: BF121425.D

Acq: 25 Aug 2020 13:52

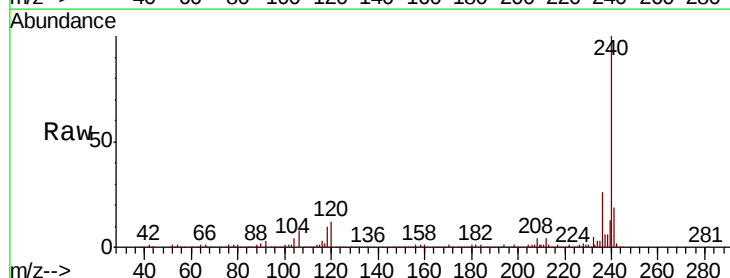
Tgt Ion:240 Resp: 574733

Ion Ratio Lower Upper

240 100

120 11.6 9.6 14.4

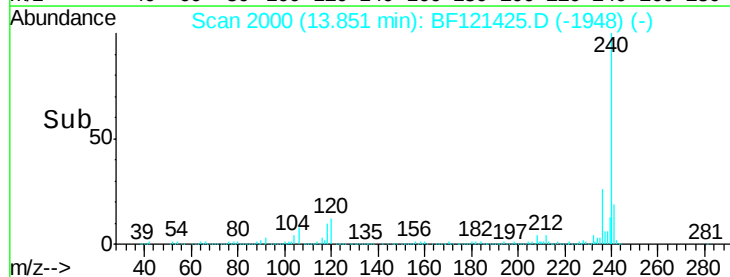
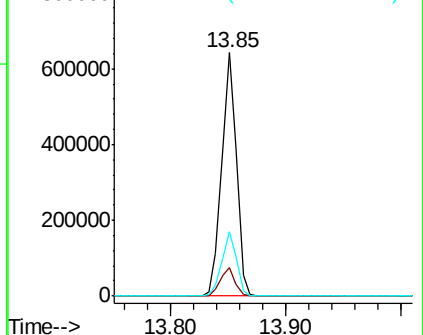
236 26.3 20.6 31.0

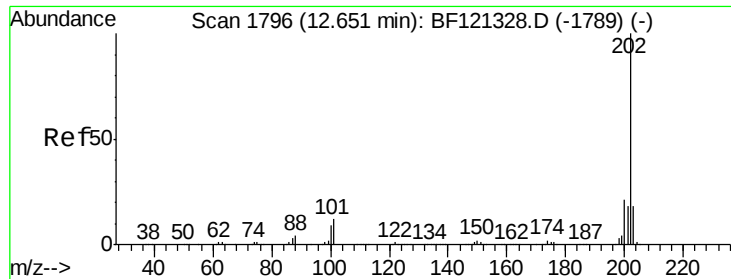


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

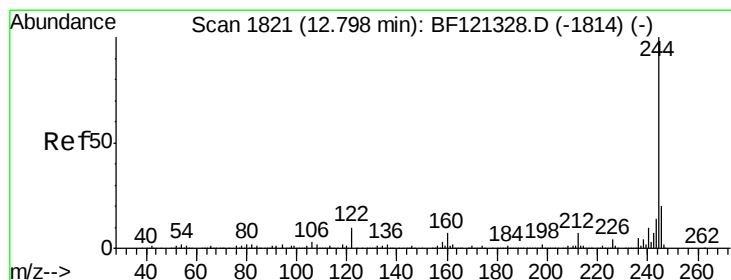
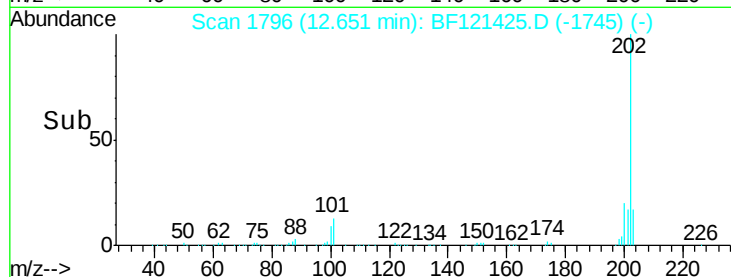
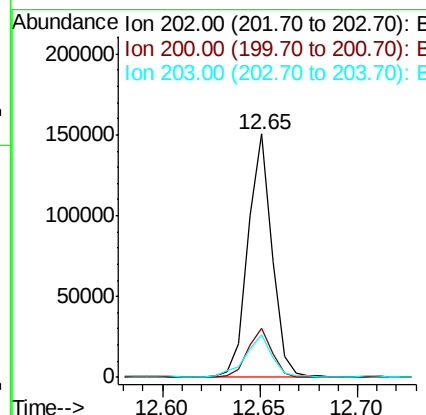
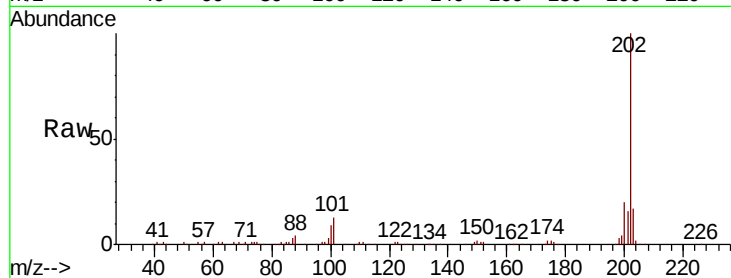




#78
Pvrene
Concen: 2.998 ng
RT: 12.65 min Scan# 1796
Delta R.T. 0.00 min
Lab File: BF121425.D
Acq: 25 Aug 2020 13:52

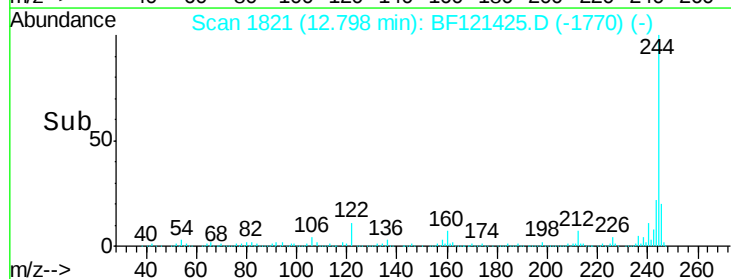
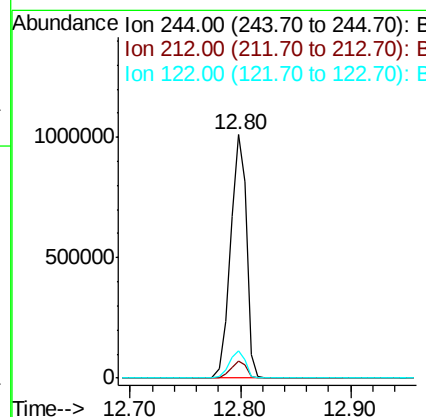
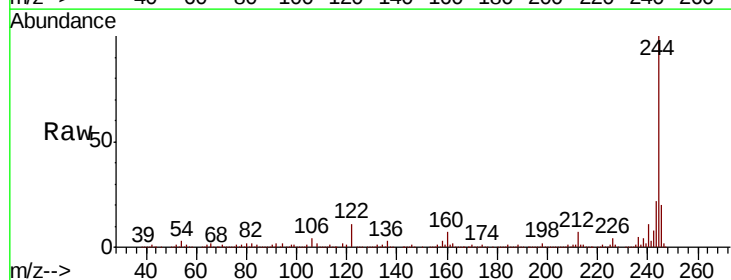
Instrument :
BNA_F
ClientSampleId :
RO-04

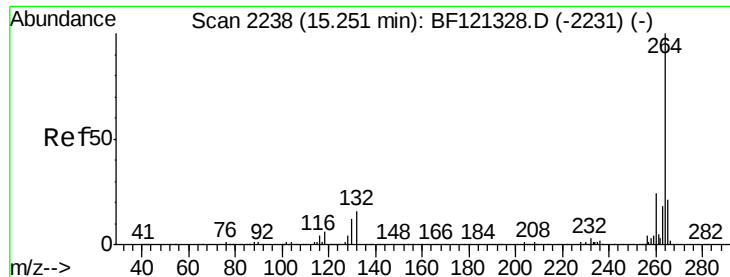
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.6	24.8
203	17.5	14.2	21.2



#79
Terphenyl-d14
Concen: 34.620 ng
RT: 12.80 min Scan# 1821
Delta R.T. 0.00 min
Lab File: BF121425.D
Acq: 25 Aug 2020 13:52

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	11.2	7.8	11.8

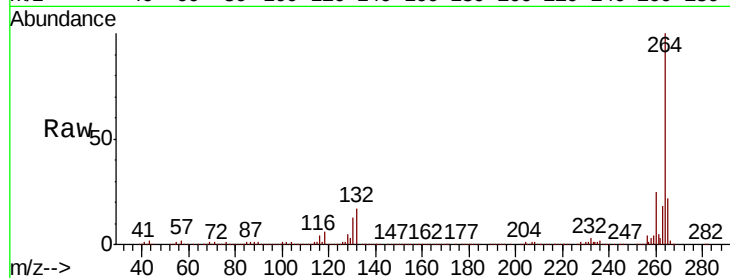




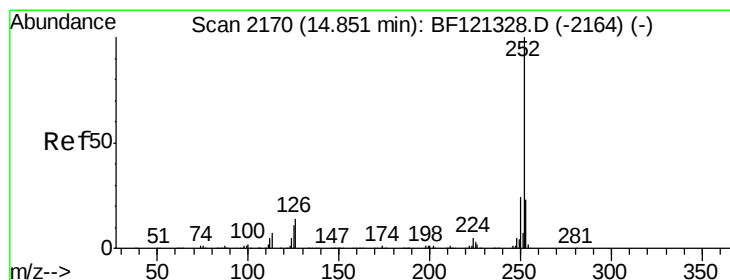
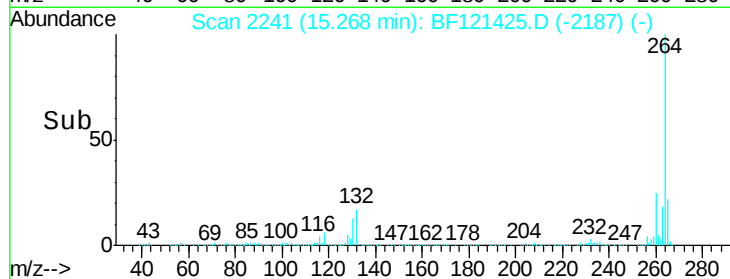
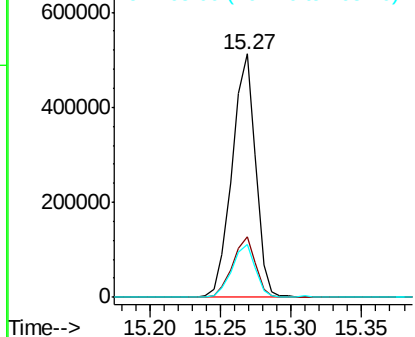
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.02 min
Lab File: BF121425.D
Acq: 25 Aug 2020 13:52

Instrument :
BNA_F
ClientSampleId :
RO-04

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	21.9	17.1	25.7

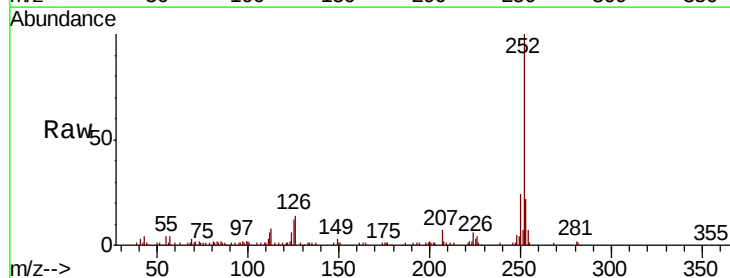


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

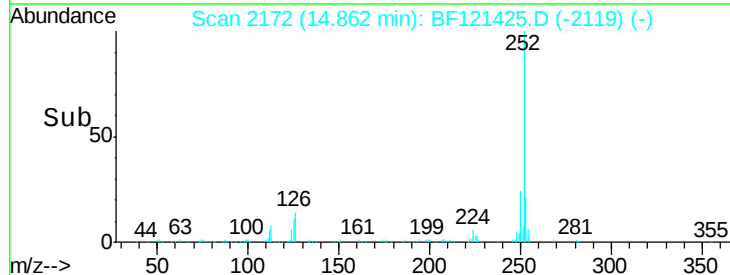
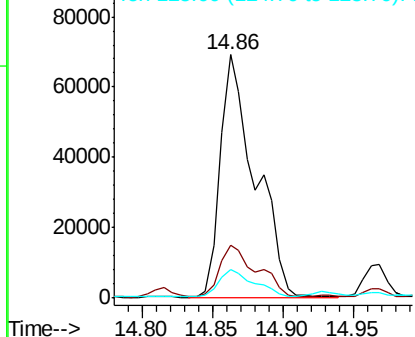


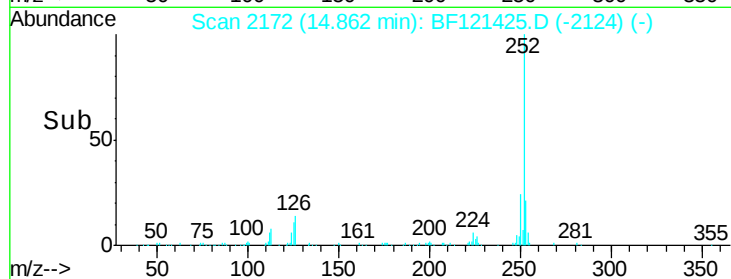
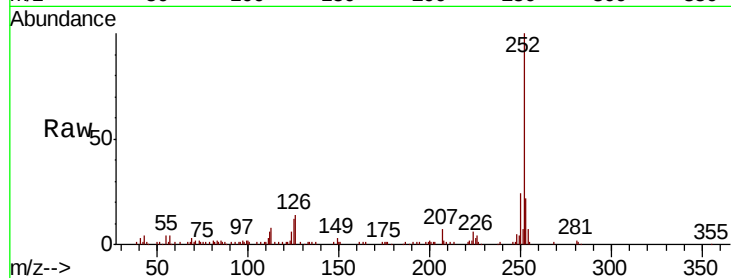
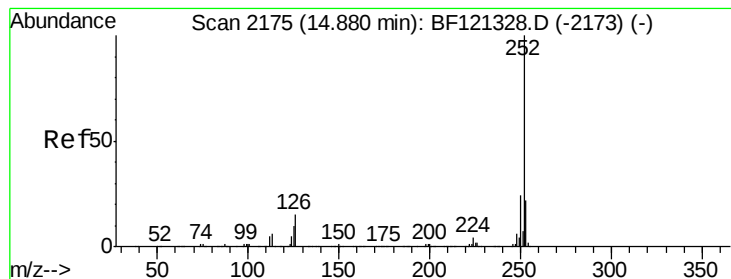
#88
Benzo(b)fluoranthene
Concen: 3.148 ng
RT: 14.86 min Scan# 2172
Delta R.T. 0.01 min
Lab File: BF121425.D
Acq: 25 Aug 2020 13:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.0	27.0
125	11.9	8.6	12.8



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: 3.577 ng

RT: 14.86 min Scan# 2172

Delta R.T. -0.02 min

Lab File: BF121425.D

Acq: 25 Aug 2020 13:52

Instrument :

BNA_F

ClientSampleId :

RO-04

Tot Ion:252 Resp: 121037

Ion Ratio Lower Upper

252 100

253 21.9 17.9 26.9

125 11.9 8.6 12.8

