

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082520\
 Data File : BF121430.D
 Acq On : 25 Aug 2020 16:31
 Operator : JU/CG
 Sample : L3784-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-10

Quant Time: Aug 25 18:15:24 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

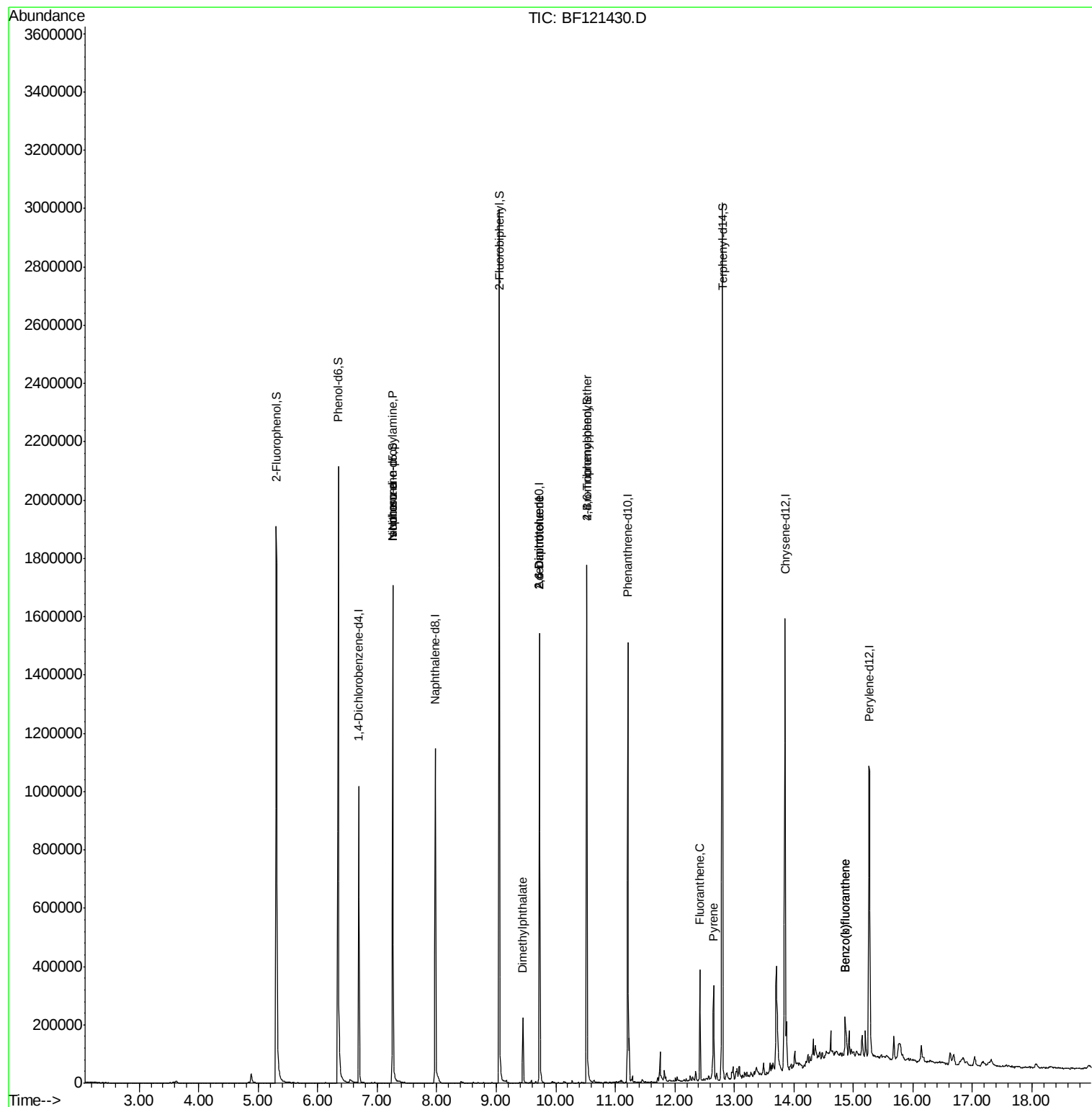
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	144138	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	579267	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	303419	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	598556	20.00	ng	0.00
76) Chrysene-d12	13.85	240	510675	20.00	ng	0.00
86) Perylene-d12	15.26	264	451778	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	698259	79.43	ng	0.00
7) Phenol-d6	6.35	99	851705	75.90	ng	0.00
23) Nitrobenzene-d5	7.26	82	555841	54.27	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	264721	74.87	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	1017515	60.68	ng	0.00
79) Terphenyl-d14	12.80	244	1051190	40.22	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	71785	11.895	ng	# 76
25) Isophorone	7.26	82	555838	29.821	ng	# 65
50) Dimethylphthalate	9.45	163	105821	4.794	ng	100
51) 2,6-Dinitrotoluene	9.73	165	39255	8.327	ng	# 29
55) Dibenzofuran	9.93	168	1544	Below Cal		# 89
57) 2,4-Dinitrotoluene	9.73	165	39255	6.825	ng	# 25
58) Fluorene	10.27	166	2670	Below Cal		# 94
67) 4-Bromophenyl-phenylether	10.52	248	14852	2.237	ng	# 1
75) Fluoranthene	12.42	202	145521	4.328	ng	99
78) Pyrene	12.65	202	128793	3.357	ng	98
88) Benzo(b)fluoranthene	14.86	252	86421	2.961	ng	99
89) Benzo(k)fluoranthene	14.86	252	86421	3.364	ng	99

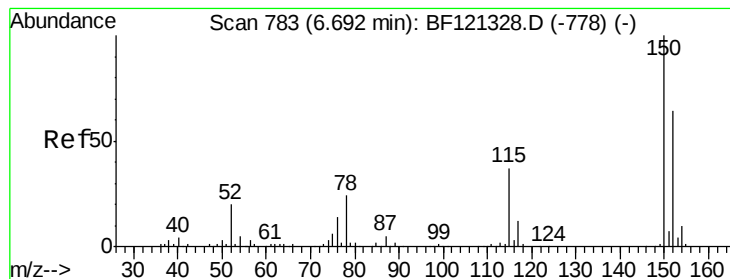
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082520\
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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: BF121430.D

Acq: 25 Aug 2020 16:31

Instrument :

BNA_F

ClientSampleId :

RO-10

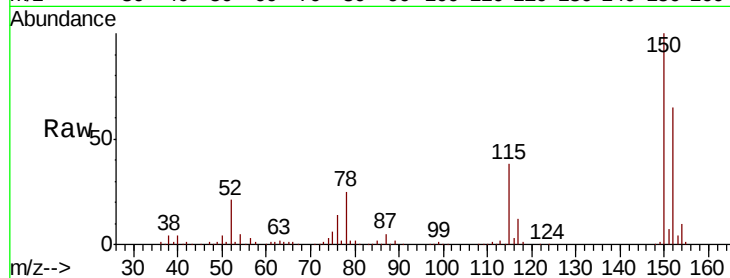
Tot Ion:152 Resp: 144138

Ion Ratio Lower Upper

152 100

150 154.7 124.8 187.2

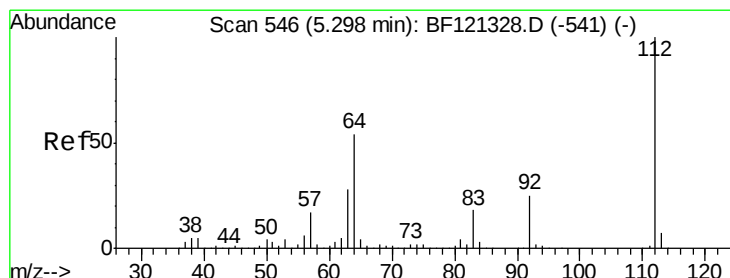
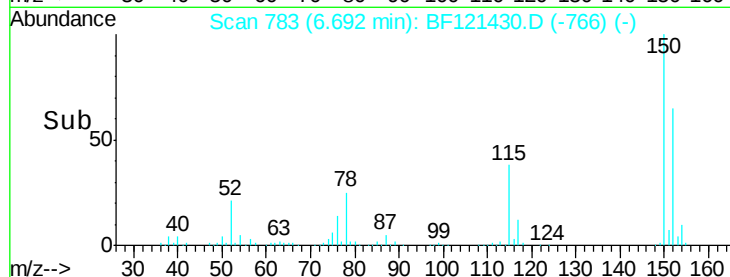
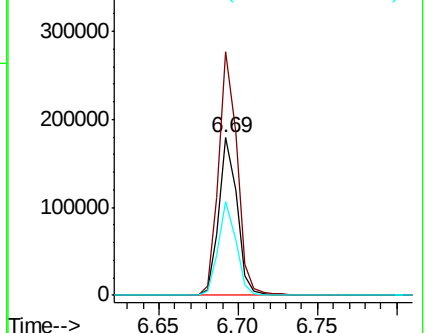
115 59.3 46.1 69.1



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: 79.435 ng

RT: 5.30 min Scan# 547

Delta R.T. 0.01 min

Lab File: BF121430.D

Acq: 25 Aug 2020 16:31

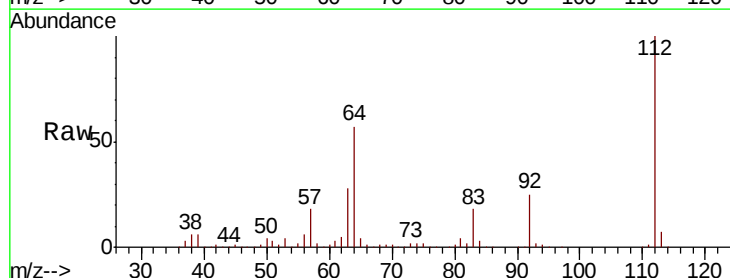
Tgt Ion:112 Resp: 698259

Ion Ratio Lower Upper

112 100

64 56.6 43.5 65.3

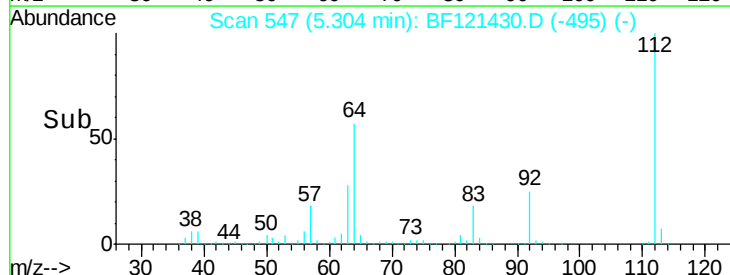
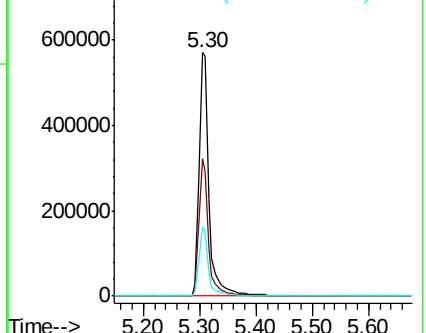
63 28.4 22.0 33.0



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: 75.898 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF121430.D

Acq: 25 Aug 2020 16:31

Instrument :

BNA_F

ClientSampled :

RO-10

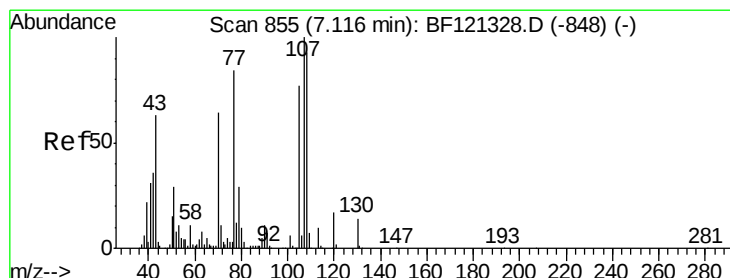
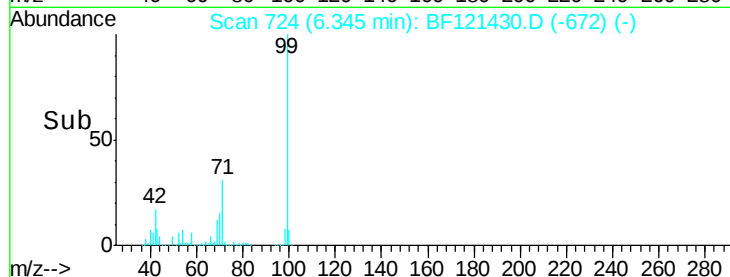
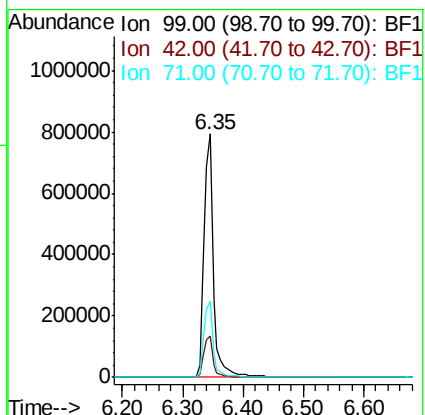
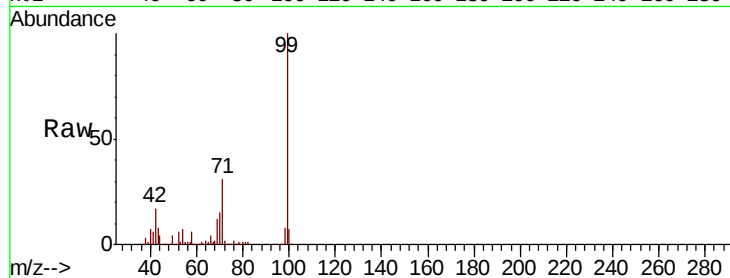
Tot Ion: 99 Resp: 851705

Ion Ratio Lower Upper

99 100

42 16.8 13.5 20.3

71 31.0 25.2 37.8



#19

n-Nitroso-di-n-propylamine

Concen: 11.895 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.15 min

Lab File: BF121430.D

Acq: 25 Aug 2020 16:31

Tgt Ion: 70 Resp: 71785

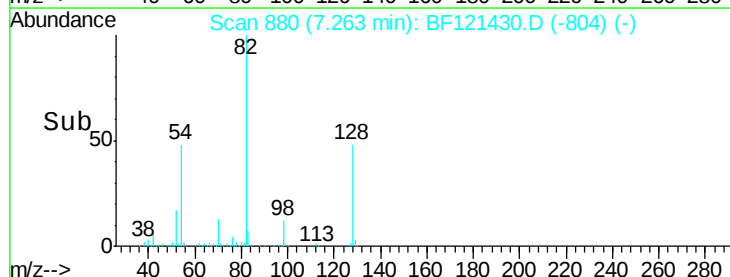
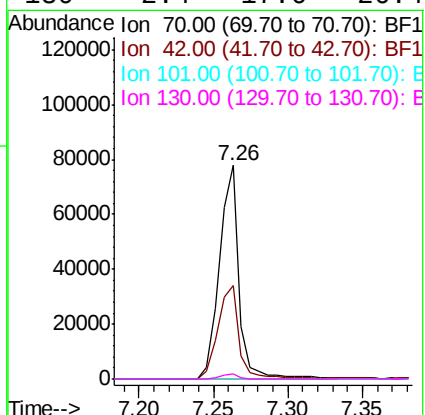
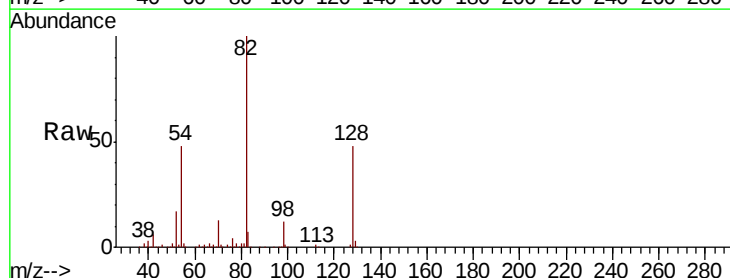
Ion Ratio Lower Upper

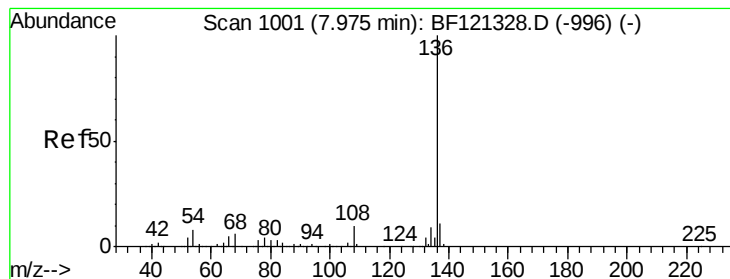
70 100

42 44.0 45.2 67.8#

101 0.0 7.7 11.5#

130 2.4 17.6 26.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BF121430.D

Acq: 25 Aug 2020 16:31

Instrument :

BNA_F

ClientSampleId :

RO-10

Tot Ion:136 Resp: 579267

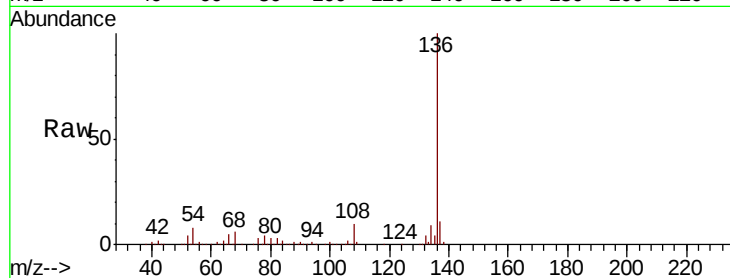
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.9 6.1 9.1

68 6.3 5.0 7.4

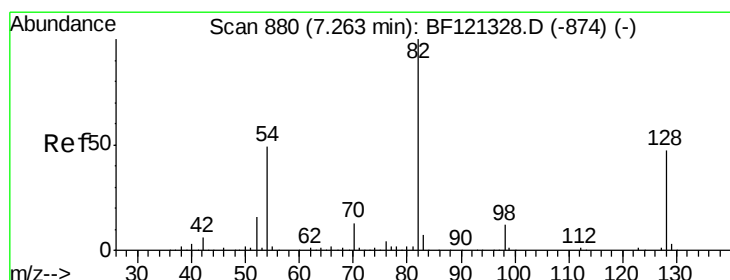
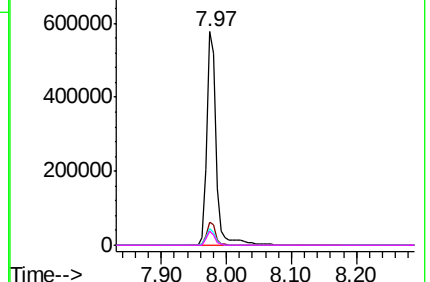
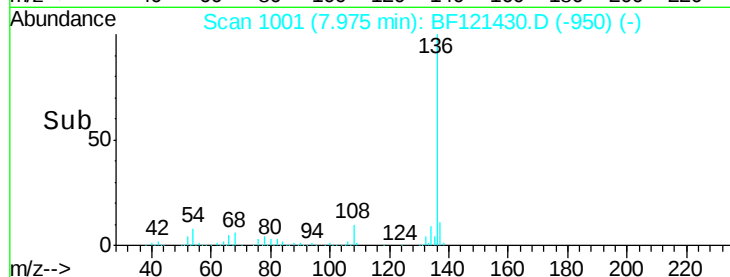


Abundance Ion 136.00 (135.70 to 136.70): E

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: 54.269 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.00 min

Lab File: BF121430.D

Acq: 25 Aug 2020 16:31

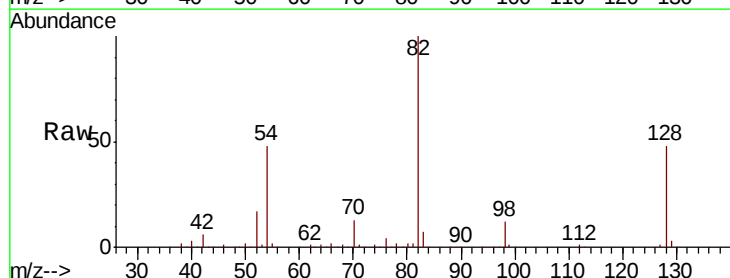
Tgt Ion: 82 Resp: 555841

Ion Ratio Lower Upper

82 100

128 48.5 37.9 56.9

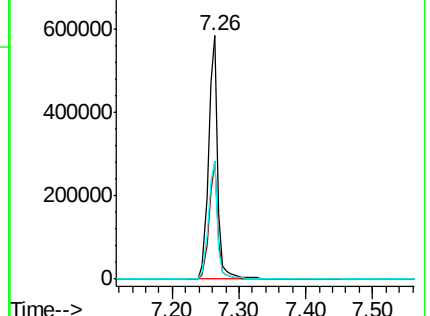
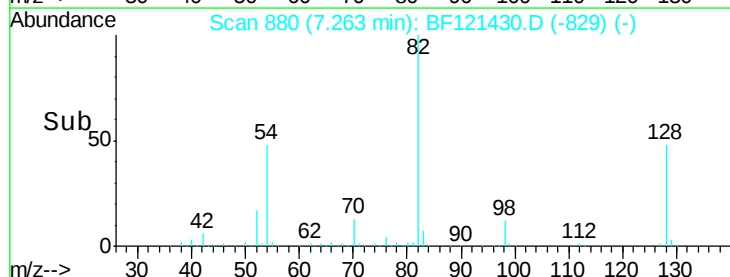
54 48.3 39.0 58.4

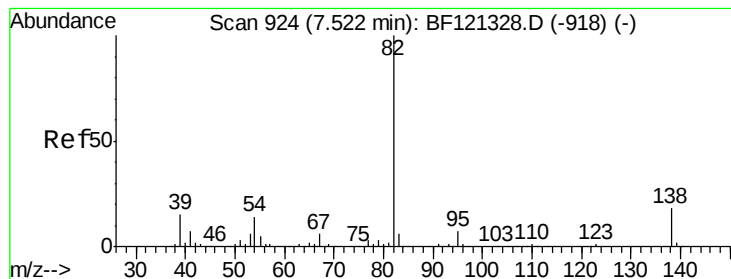


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 29.821 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.26 min

Lab File: BF121430.D

Acq: 25 Aug 2020 16:31

Instrument :

BNA_F

ClientSampleId :

RO-10

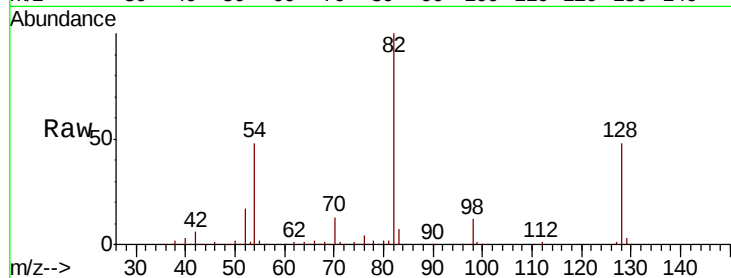
Tot Ion: 82 Resp: 555838

Ion Ratio Lower Upper

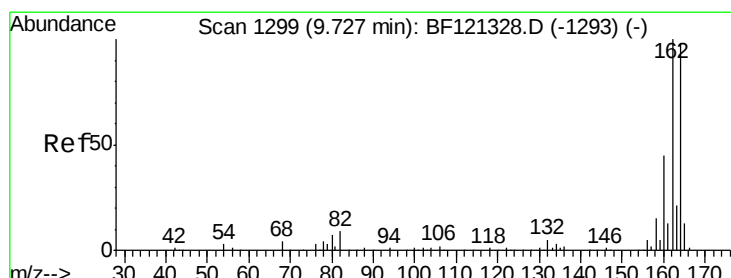
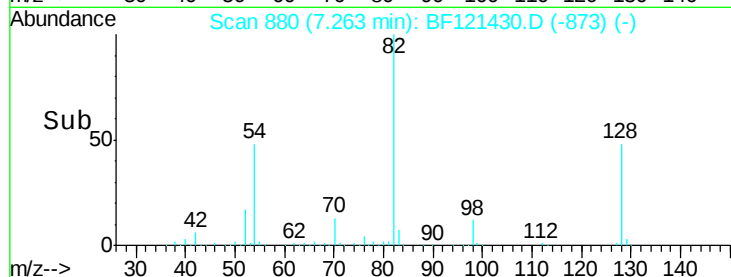
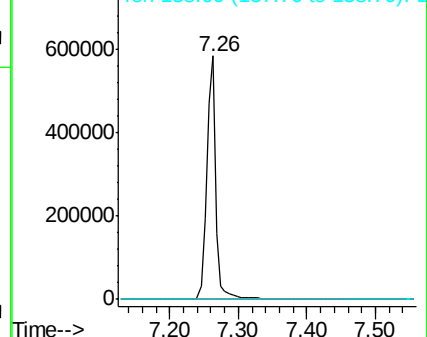
82 100

95 0.0 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: BF121430.D

Acq: 25 Aug 2020 16:31

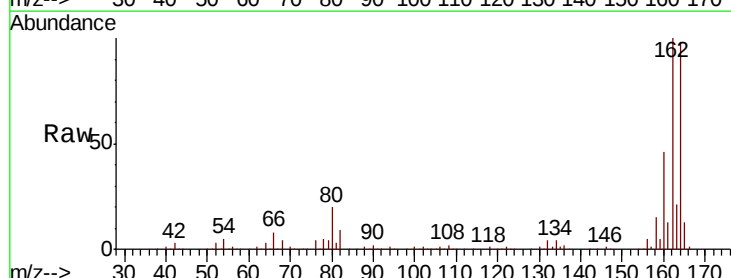
Tgt Ion: 164 Resp: 303419

Ion Ratio Lower Upper

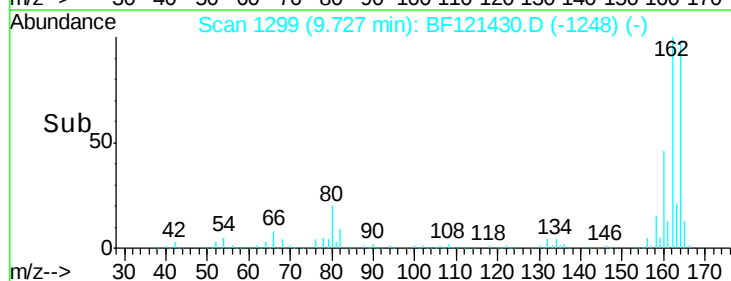
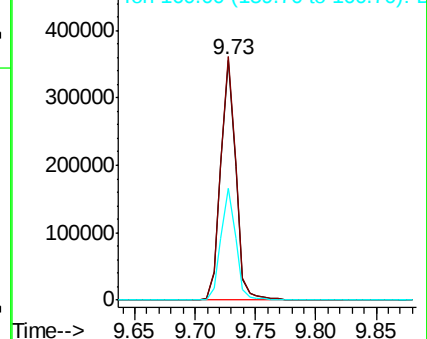
164 100

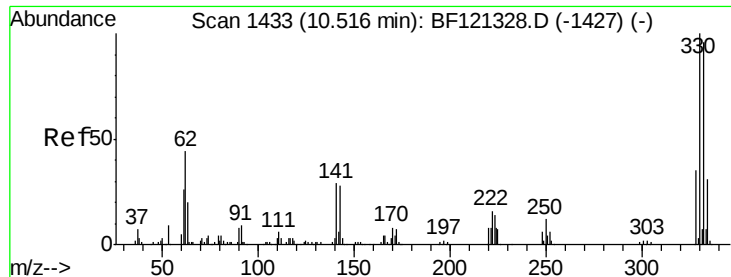
162 101.5 81.7 122.5

160 46.5 37.0 55.4



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

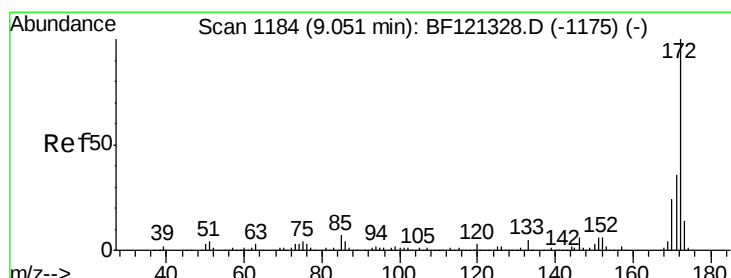
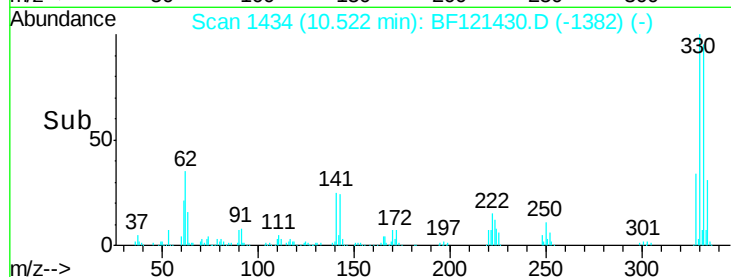
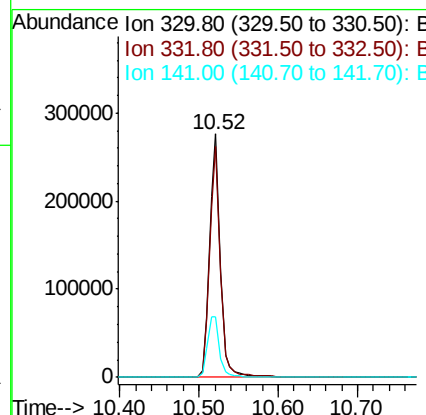
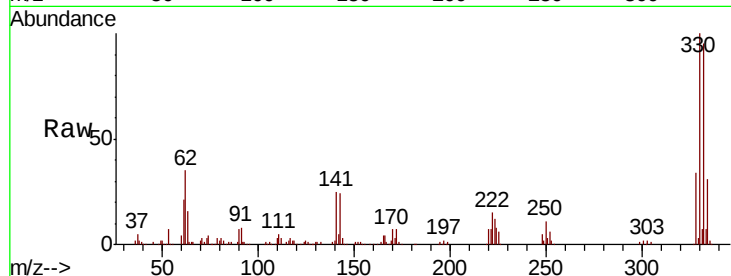




#42
 2,4,6-Tribromophenol
 Concen: 74.869 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: BF121430.D
 Acq: 25 Aug 2020 16:31

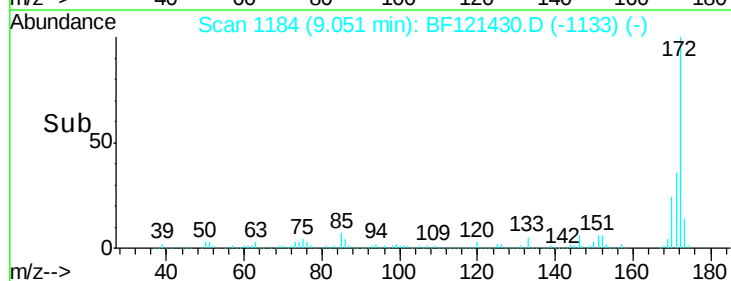
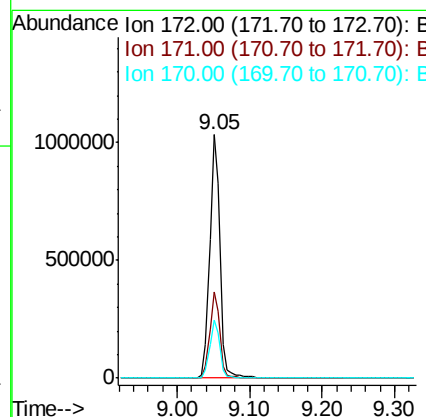
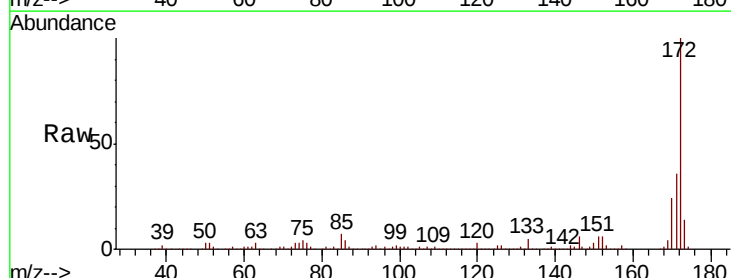
Instrument :
 BNA_F
 ClientSampleId :
 RO-10

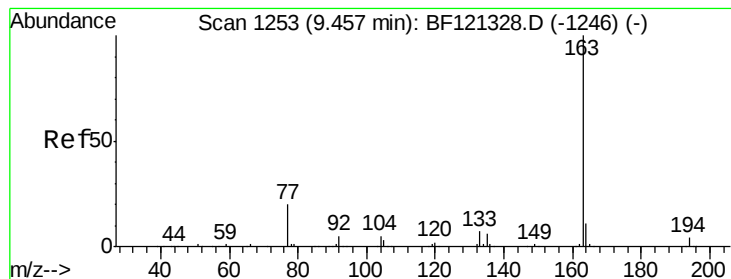
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.9	115.3
141	28.6	22.8	34.2



#45
 2-Fluorobiphenyl
 Concen: 60.678 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF121430.D
 Acq: 25 Aug 2020 16:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.0	43.6
170	23.9	19.4	29.2





#50

Dimethylphthalate

Concen: 4.794 ng

RT: 9.45 min Scan# 1251

Delta R.T. -0.01 min

Lab File: BF121430.D

Acq: 25 Aug 2020 16:31

Instrument :

BNA_F

ClientSampleId :

RO-10

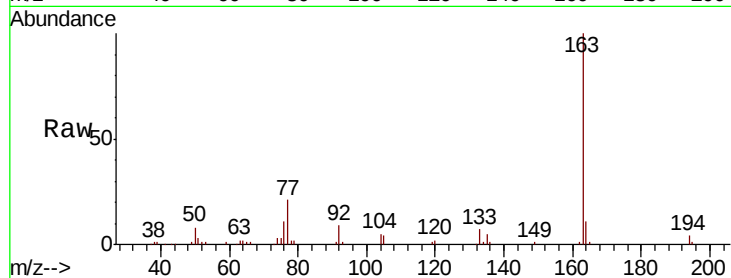
Tot Ion:163 Resp: 105821

Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.6

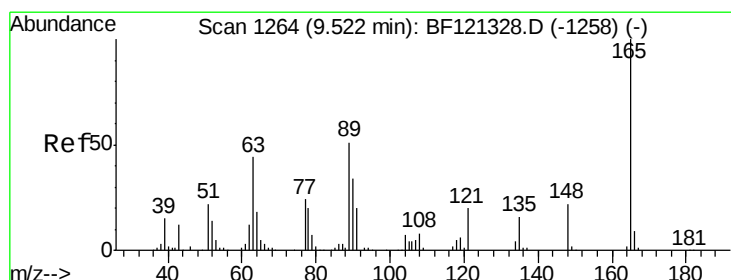
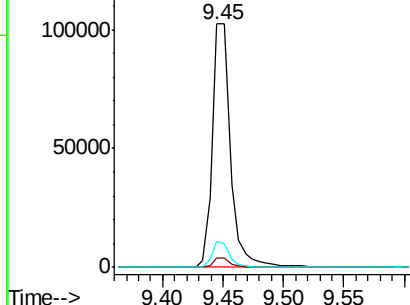
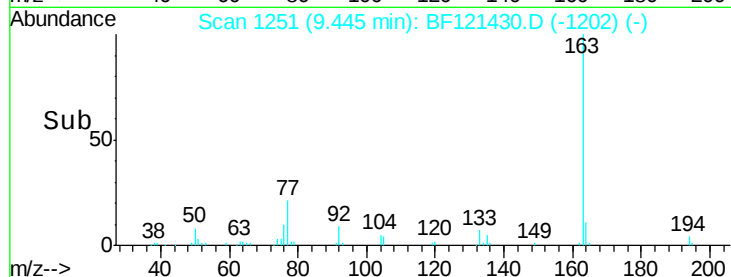
164 10.5 8.4 12.6



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



#51

2,6-Dinitrotoluene

Concen: 8.327 ng

RT: 9.73 min Scan# 1299

Delta R.T. 0.21 min

Lab File: BF121430.D

Acq: 25 Aug 2020 16:31

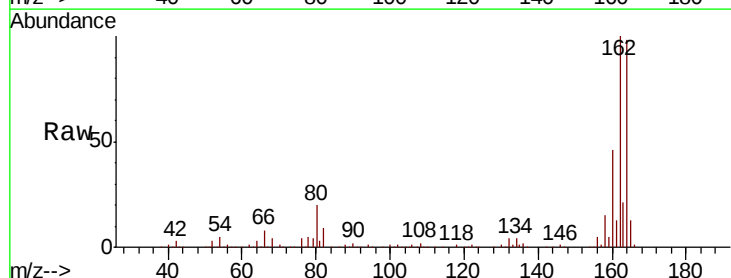
Tgt Ion:165 Resp: 39255

Ion Ratio Lower Upper

165 100

63 1.0 38.5 57.7#

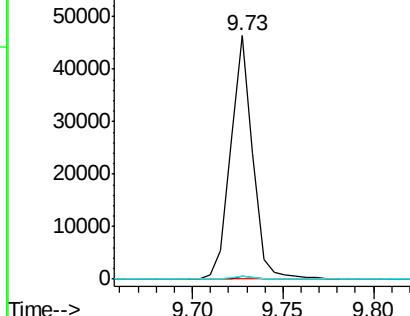
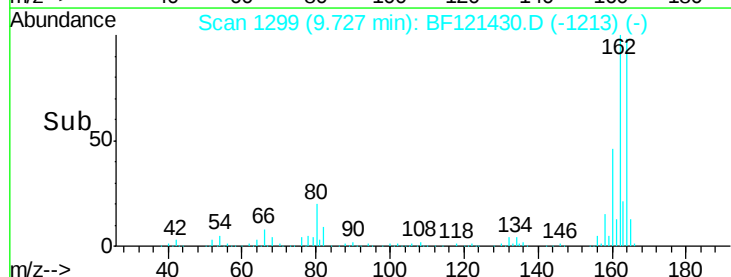
89 1.1 41.2 61.8#

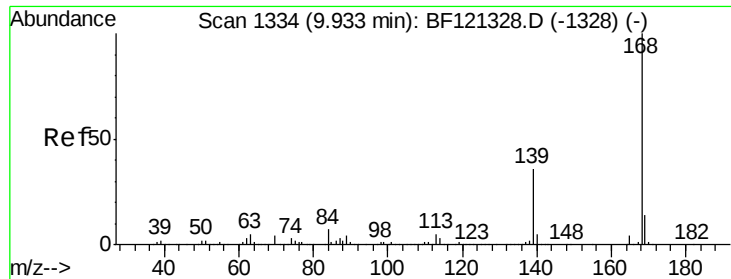


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

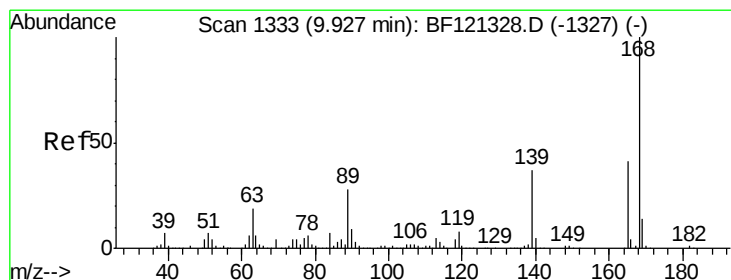
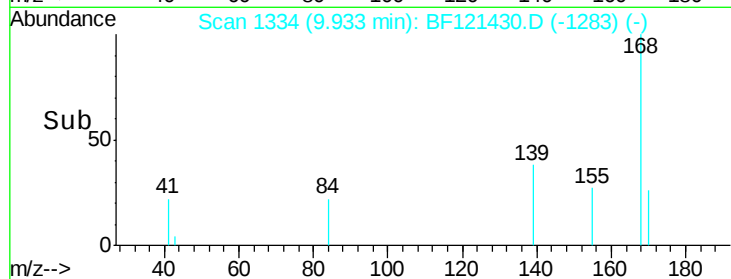
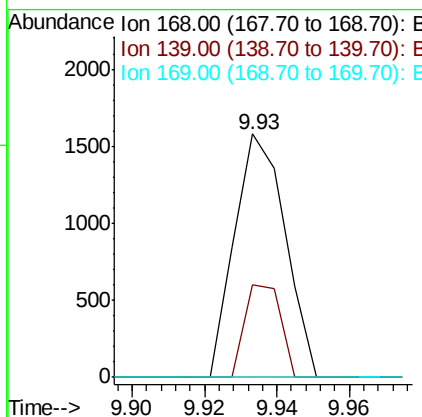
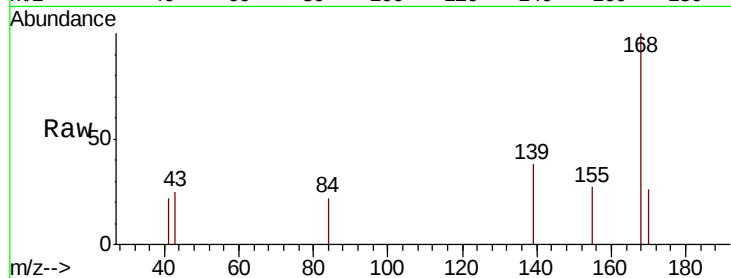




#55
Dibenzofuran
Concen: Below Cal
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF121430.D
Acq: 25 Aug 2020 16:31

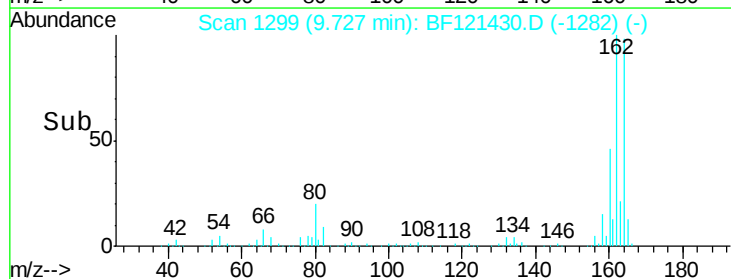
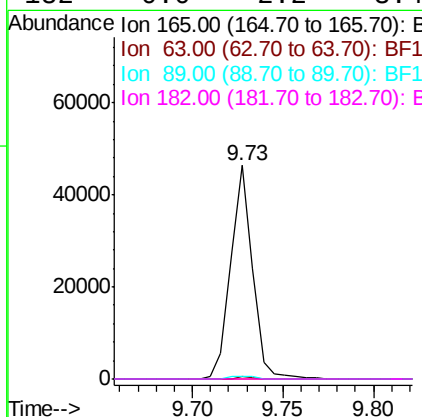
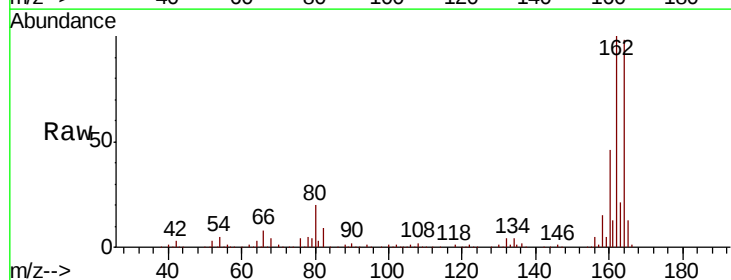
Instrument :
BNA_F
ClientSampleId :
RO-10

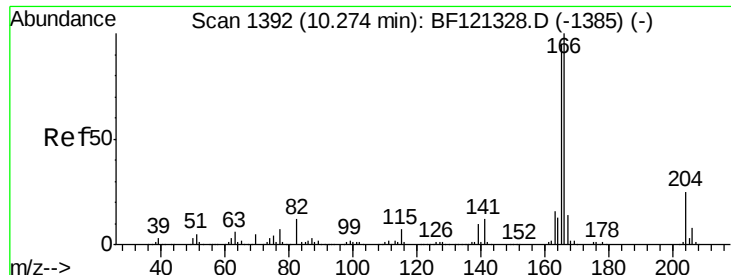
Tot Ion:168 Resp: 1544
Ion Ratio Lower Upper
168 100
139 37.9 29.1 43.7
169 0.0 11.0 16.6#



#57
2,4-Dinitrotoluene
Concen: 6.825 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.20 min
Lab File: BF121430.D
Acq: 25 Aug 2020 16:31

Tgt Ion:165 Resp: 39255
Ion Ratio Lower Upper
165 100
63 1.0 37.5 56.3#
89 1.1 54.2 81.4#
182 0.0 2.2 3.4#





#58

Fluorene

Concen: Below Cal

RT: 10.27 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BF121430.D

Acq: 25 Aug 2020 16:31

Instrument :

BNA_F

ClientSampleId :

RO-10

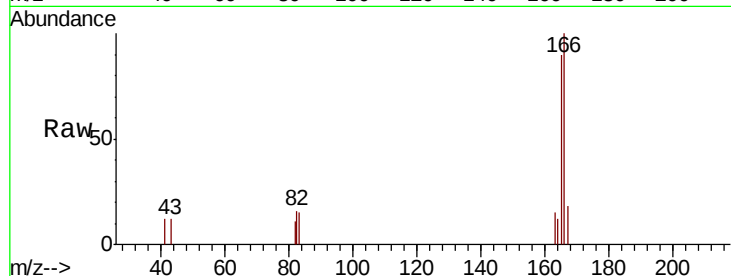
Tot Ion:166 Resp: 2670

Ion Ratio Lower Upper

166 100

165 89.8 75.8 113.8

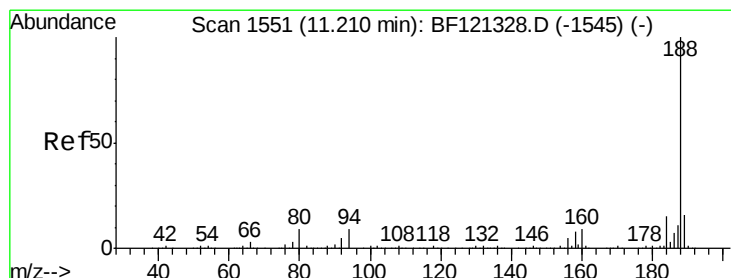
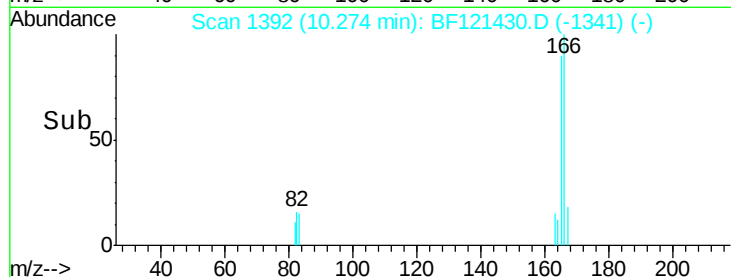
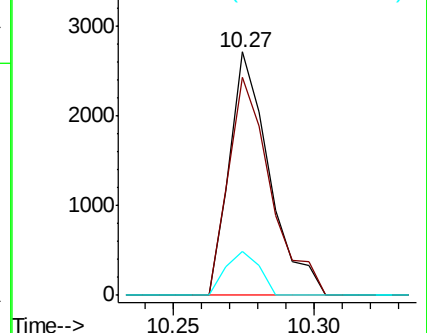
167 18.1 11.0 16.4#



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: BF121430.D

Acq: 25 Aug 2020 16:31

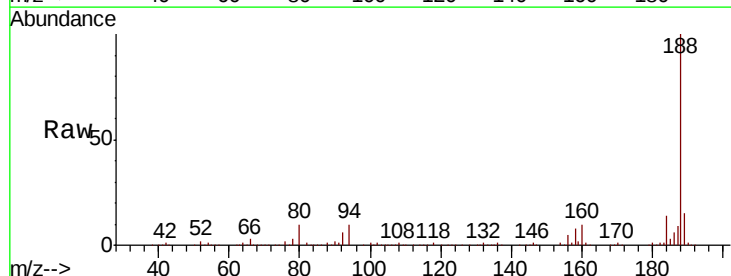
Tgt Ion:188 Resp: 598556

Ion Ratio Lower Upper

188 100

94 10.0 7.2 10.8

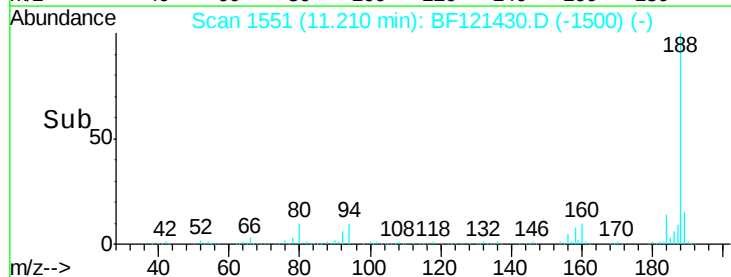
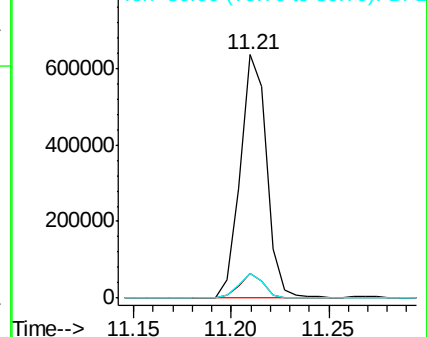
80 10.3 7.4 11.0

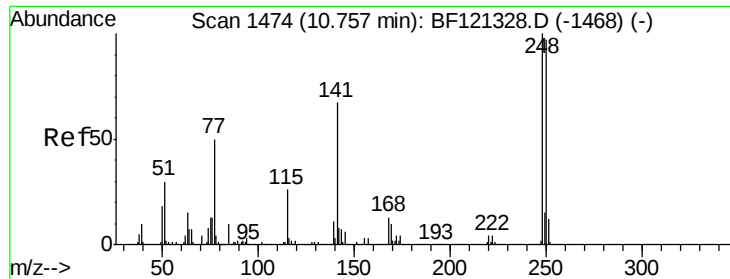


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

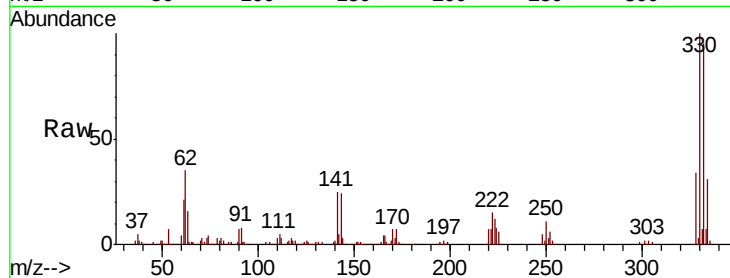




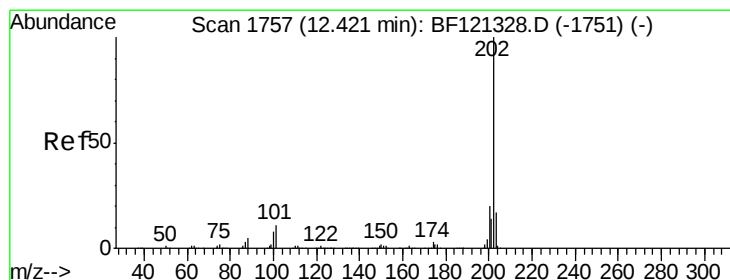
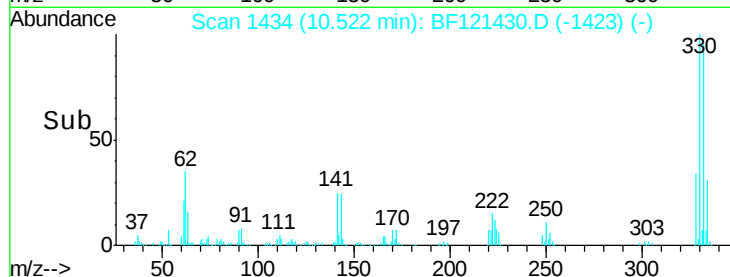
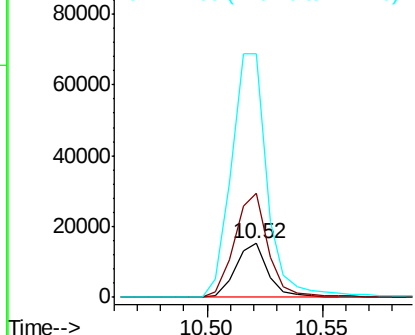
#67
4-Bromophenyl-phenylether
Concen: 2.237 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.24 min
Lab File: BF121430.D
Acq: 25 Aug 2020 16:31

Instrument :
BNA_F
ClientSampleId :
RO-10

Tot Ion:248 Resp: 14852
Ion Ratio Lower Upper
248 100
250 193.2 77.9 116.9#
141 452.9 53.5 80.3#

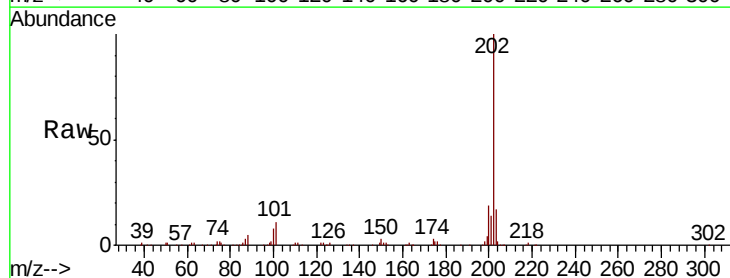


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

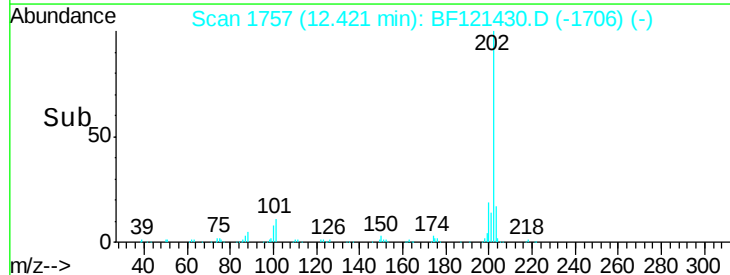
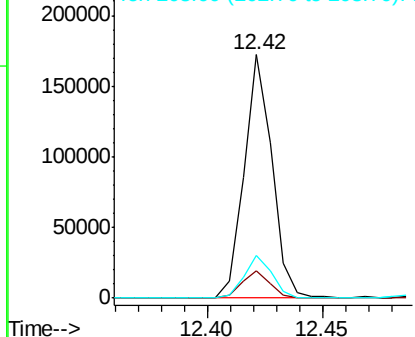


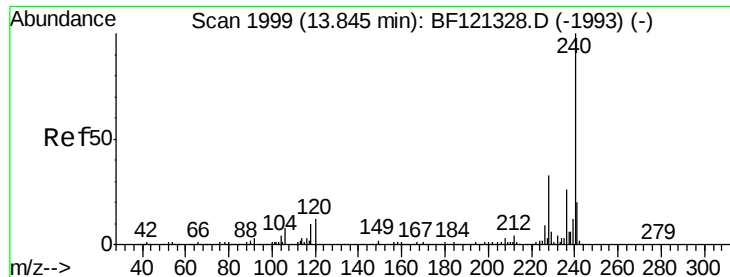
#75
Fluoranthene
Concen: 4.328 ng
RT: 12.42 min Scan# 1757
Delta R.T. 0.00 min
Lab File: BF121430.D
Acq: 25 Aug 2020 16:31

Tgt Ion:202 Resp: 145521
Ion Ratio Lower Upper
202 100
101 11.2 0.0 30.6
203 17.4 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

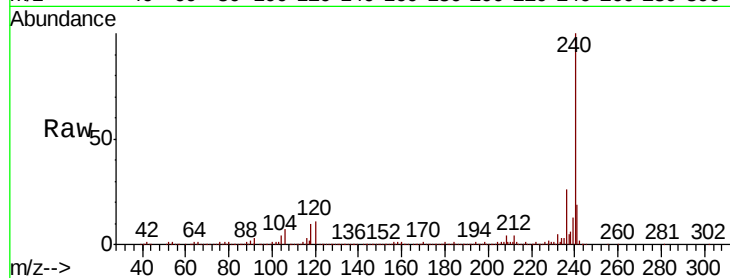




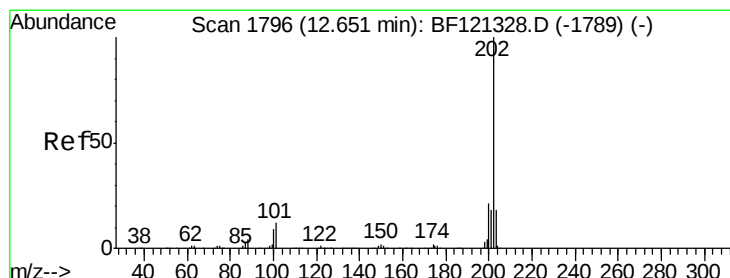
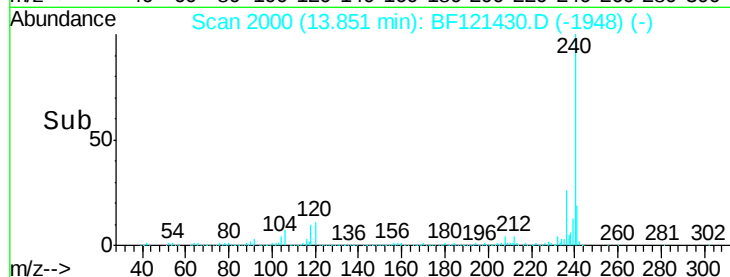
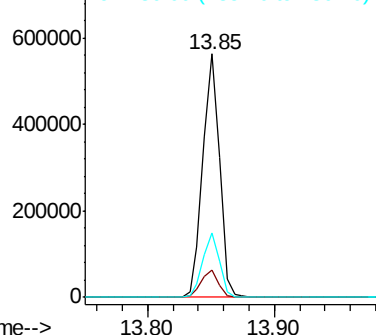
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.85 min Scan# 2000
Delta R.T. 0.01 min
Lab File: BF121430.D
Acq: 25 Aug 2020 16:31

Instrument :
BNA_F
ClientSampleId :
RO-10

Tot Ion:240 Resp: 510675
Ion Ratio Lower Upper
240 100
120 11.3 9.6 14.4
236 26.4 20.6 31.0

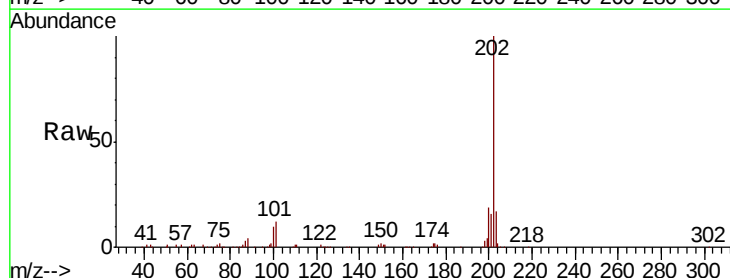


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

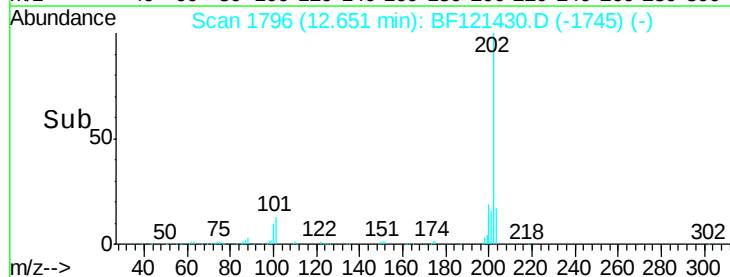
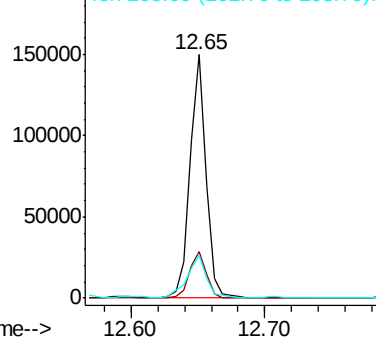


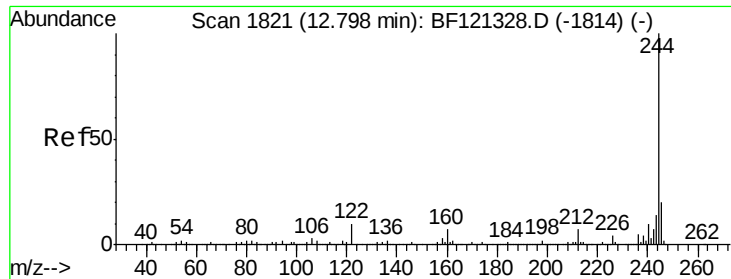
#78
Pyrene
Concen: 3.357 ng
RT: 12.65 min Scan# 1796
Delta R.T. 0.00 min
Lab File: BF121430.D
Acq: 25 Aug 2020 16:31

Tgt Ion:202 Resp: 128793
Ion Ratio Lower Upper
202 100
200 19.0 16.6 24.8
203 17.3 14.2 21.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 40.225 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BF121430.D

Acq: 25 Aug 2020 16:31

Instrument :

BNA_F

ClientSampled :

RO-10

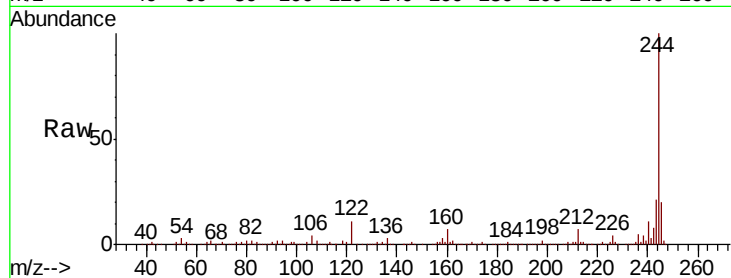
Tot Ion:244 Resp: 1051190

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

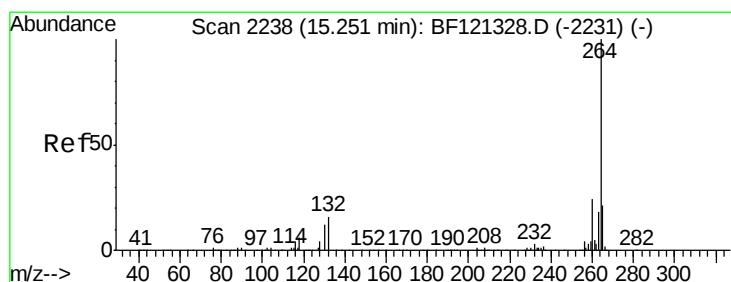
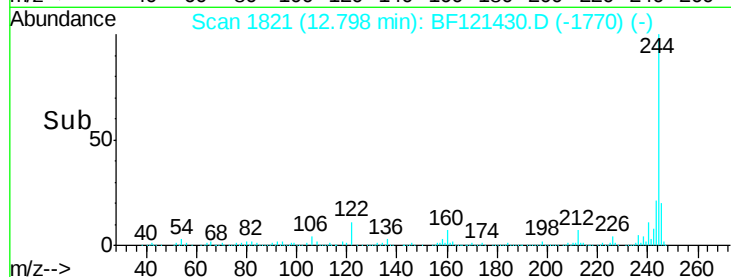
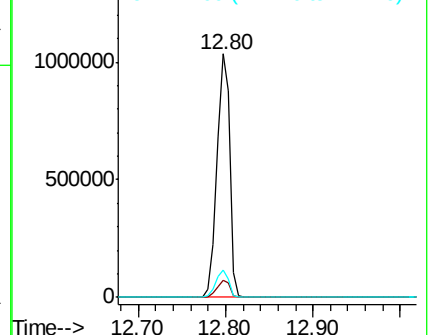
122 11.4 7.8 11.8



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.26 min Scan# 2240

Delta R.T. 0.01 min

Lab File: BF121430.D

Acq: 25 Aug 2020 16:31

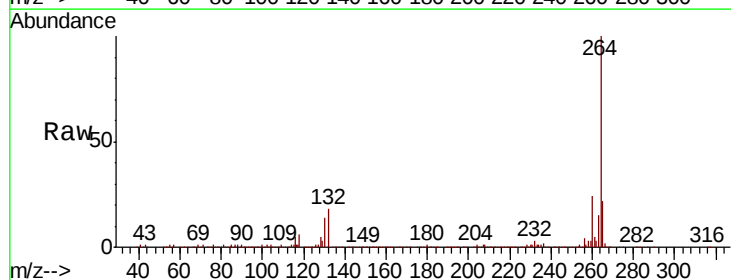
Tgt Ion:264 Resp: 451778

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

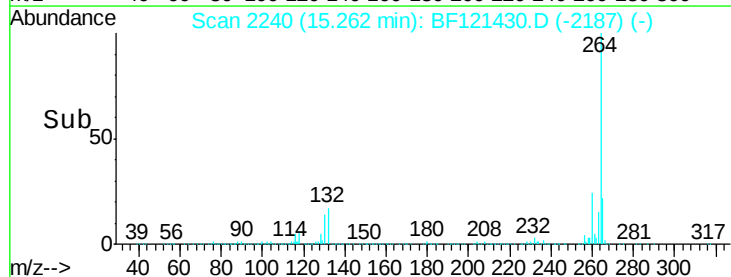
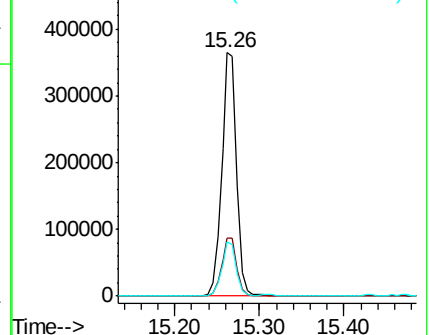
265 22.2 17.1 25.7

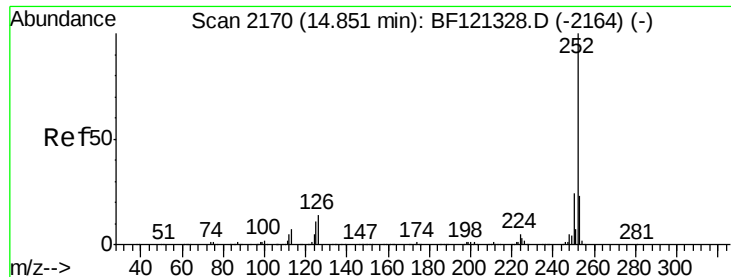


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 2.961 ng

RT: 14.86 min Scan# 2172

Delta R.T. 0.01 min

Lab File: BF121430.D

Acq: 25 Aug 2020 16:31

Instrument :

BNA_F

ClientSampleId :

RO-10

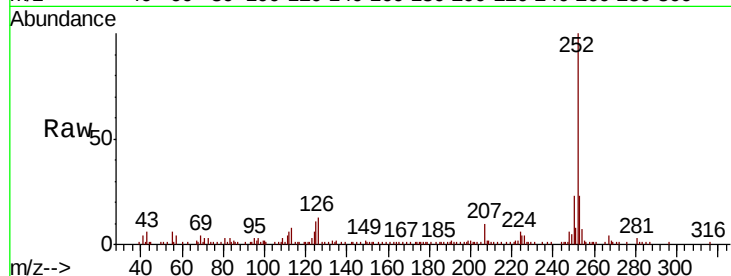
Tot Ion:252 Resp: 86421

Ion Ratio Lower Upper

252 100

253 23.2 18.0 27.0

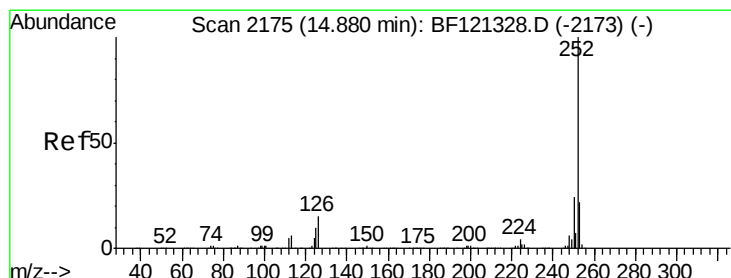
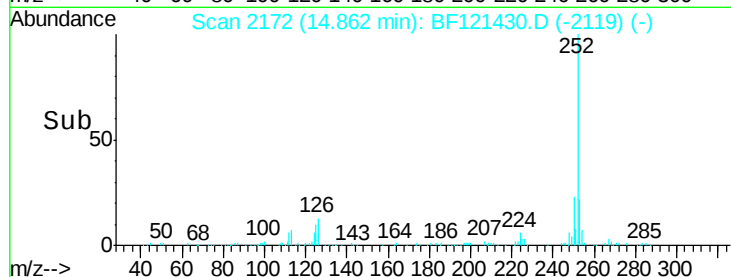
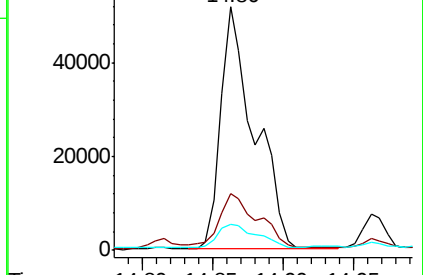
125 10.9 8.6 12.8



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: 3.364 ng

RT: 14.86 min Scan# 2172

Delta R.T. -0.02 min

Lab File: BF121430.D

Acq: 25 Aug 2020 16:31

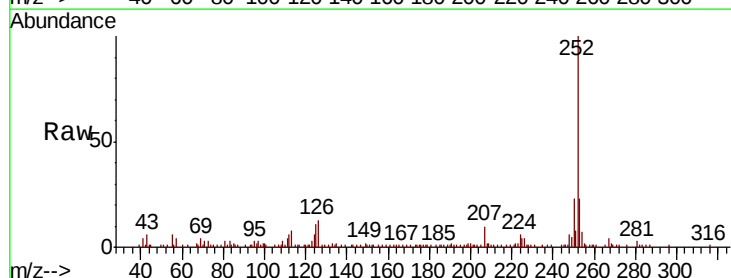
Tgt Ion:252 Resp: 86421

Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

125 10.9 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

