

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082520\
 Data File : BF121433.D
 Acq On : 25 Aug 2020 18:07
 Operator : JU/CG
 Sample : L3784-13
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-06

Quant Time: Aug 26 00:41:57 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	145252	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	581217	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	305614	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	603503	20.00	ng	0.00
76) Chrysene-d12	13.85	240	507737	20.00	ng	0.00
86) Perylene-d12	15.27	264	441020	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	695084	78.47	ng	0.01
7) Phenol-d6	6.35	99	844202	74.65	ng	0.00
23) Nitrobenzene-d5	7.26	82	559057	54.40	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	263855	74.09	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	990743	58.15	ng	0.00
79) Terphenyl-d14	12.80	244	1056284	40.65	ng	0.00

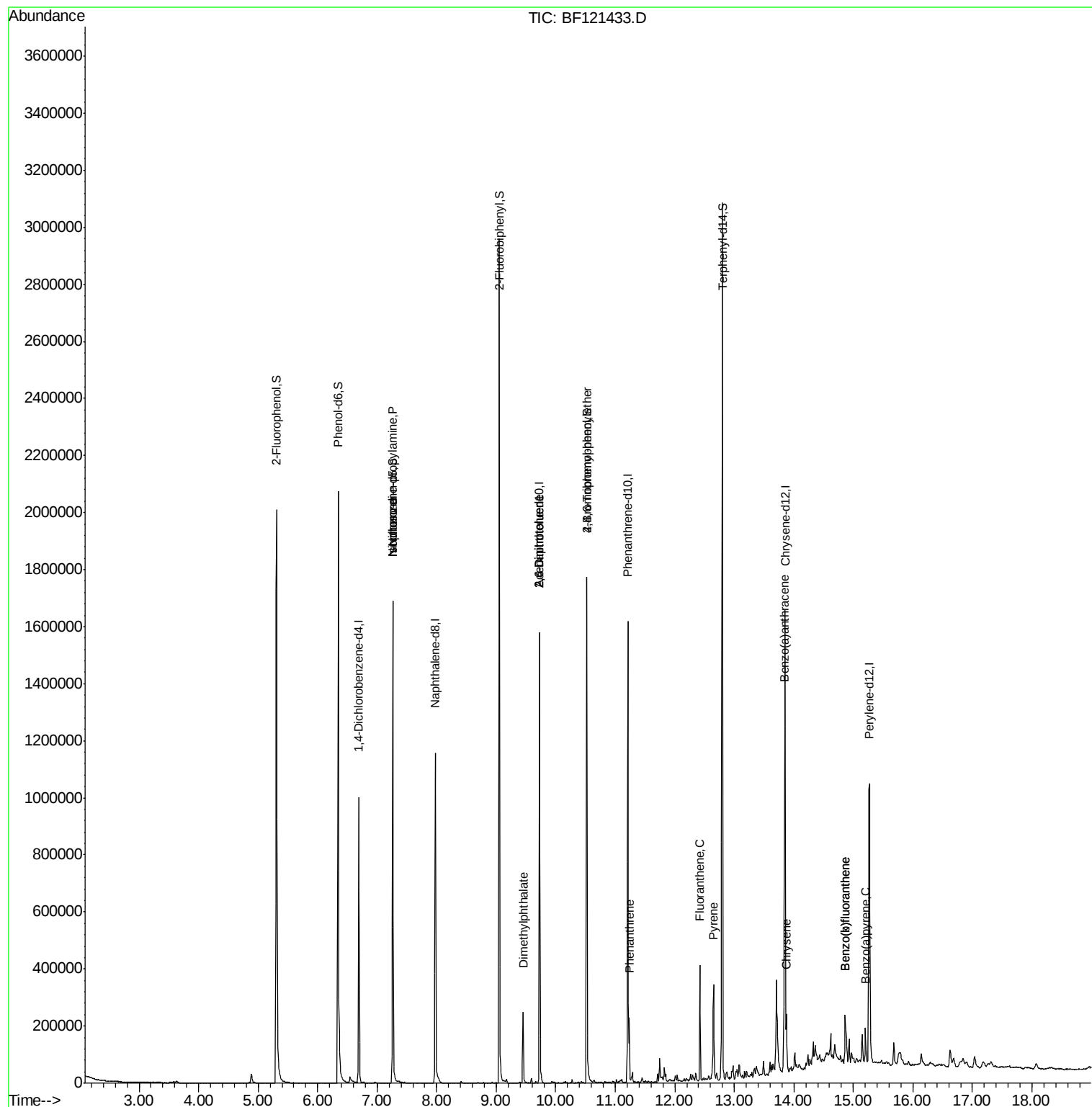
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	72544	11.928	ng	# 78
25) Isophorone	7.26	82	559054	29.892	ng	# 65
50) Dimethylphthalate	9.45	163	116567	5.243	ng	98
51) 2,6-Dinitrotoluene	9.73	165	39358	8.289	ng	# 29
55) Dibenzofuran	9.93	168	2279	Below Cal		92
57) 2,4-Dinitrotoluene	9.73	165	39358	6.794	ng	# 25
58) Fluorene	10.27	166	4082	Below Cal		# 96
67) 4-Bromophenyl-phenylether	10.52	248	14925	2.229	ng	# 1
71) Phenanthrene	11.23	178	75053	2.403	ng	97
75) Fluoranthene	12.42	202	150502	4.439	ng	99
78) Pyrene	12.65	202	133418	3.498	ng	99
81) Benzo(a)anthracene	13.84	228	76797	2.435	ng	97
83) Chrysene	13.87	228	68315	2.118	ng	97
88) Benzo(b)fluoranthene	14.86	252	114889	4.032	ng	99
89) Benzo(k)fluoranthene	14.86	252	114889	4.581	ng	99
90) Benzo(a)pyrene	15.20	252	53656	2.180	ng	98

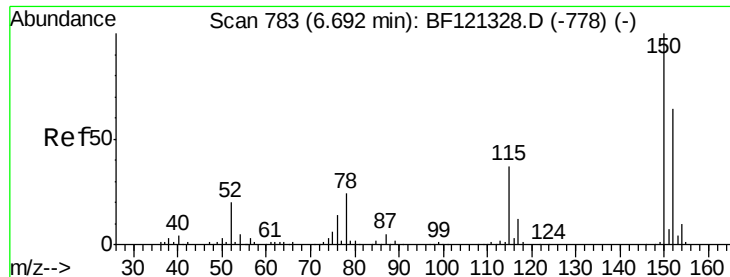
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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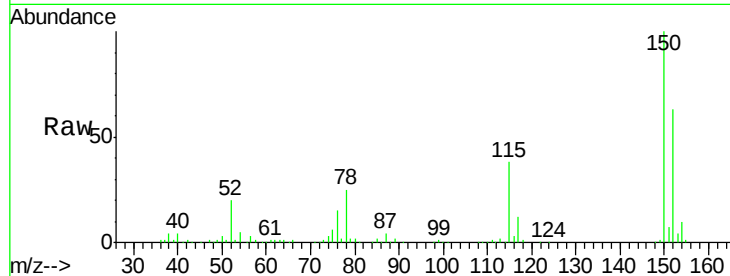


#1

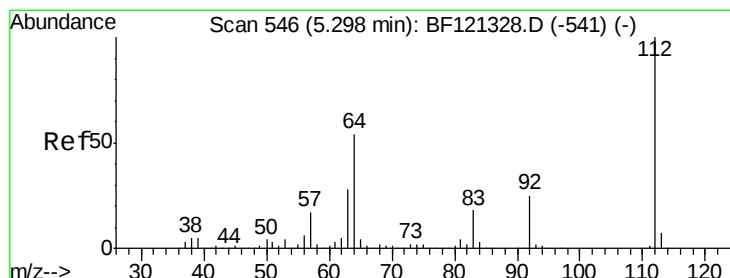
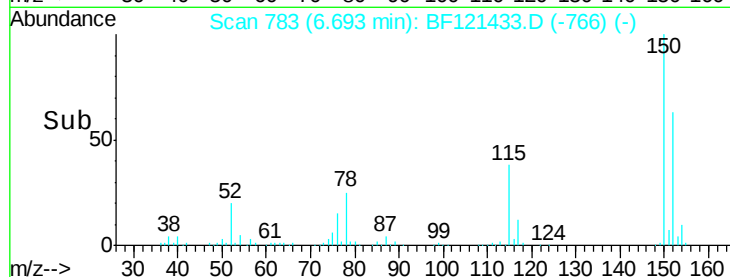
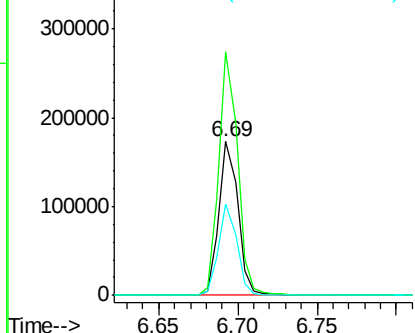
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF121433.D
Acq: 25 Aug 2020 18:07

Instrument :
BNA_F
ClientSampleId :
RO-06

Tot Ion:152 Resp: 145252
Ion Ratio Lower Upper
152 100
150 158.3 124.8 187.2
115 59.5 46.1 69.1



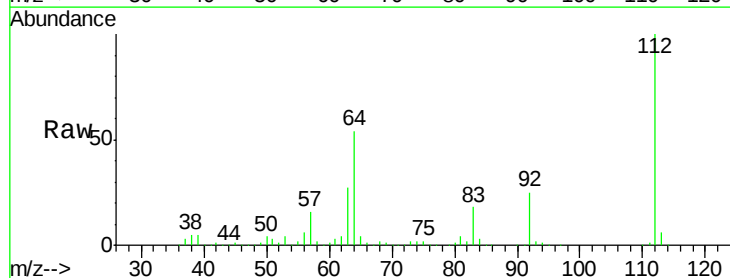
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



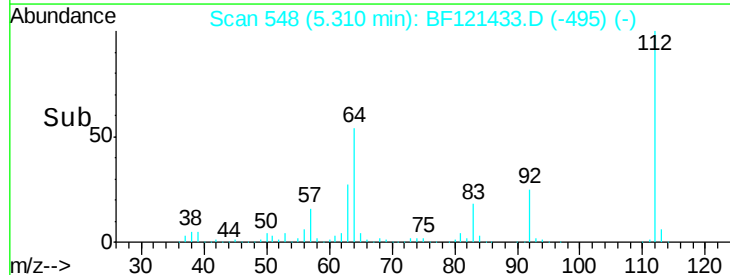
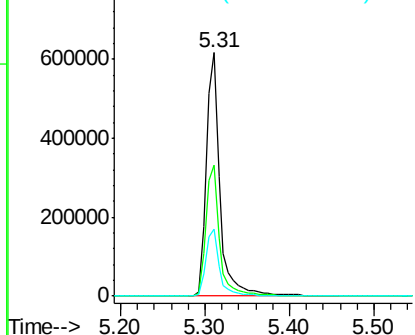
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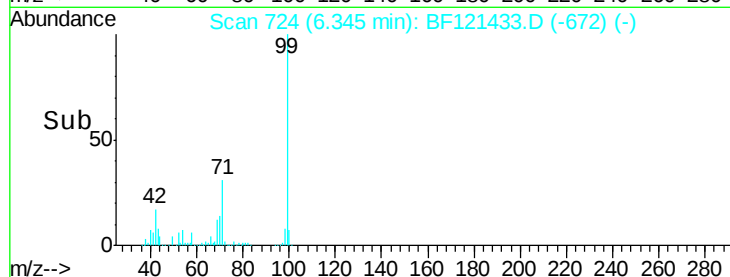
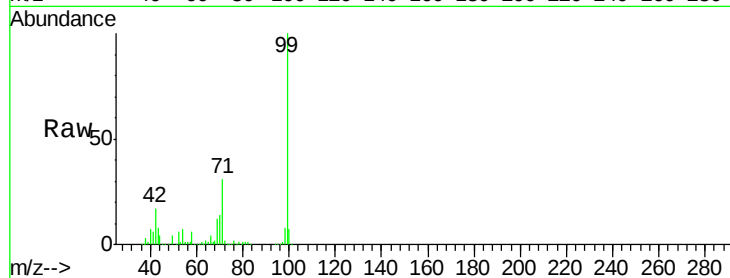
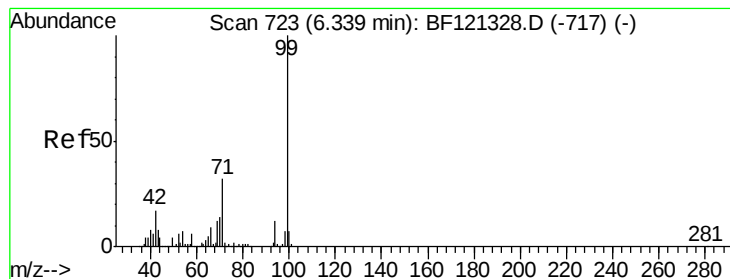
2-Fluorophenol
Concen: 78.467 ng
RT: 5.31 min Scan# 548
Delta R.T. 0.01 min
Lab File: BF121433.D
Acq: 25 Aug 2020 18:07

Tgt Ion:112 Resp: 695084
Ion Ratio Lower Upper
112 100
64 53.9 43.5 65.3
63 27.4 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: 74.653 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF121433.D

Acq: 25 Aug 2020 18:07

Instrument :

BNA_F

ClientSampled :

RO-06

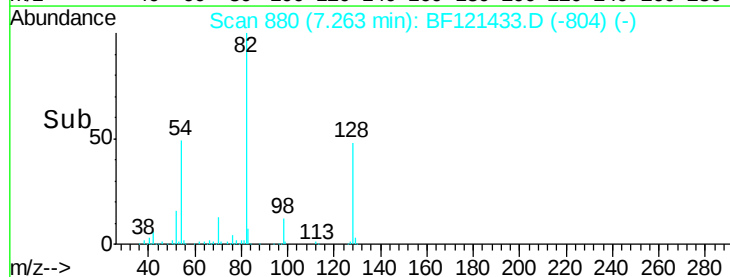
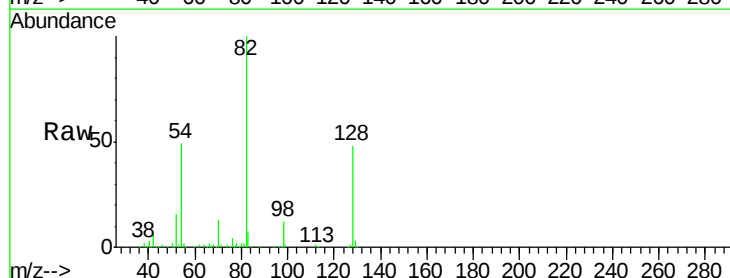
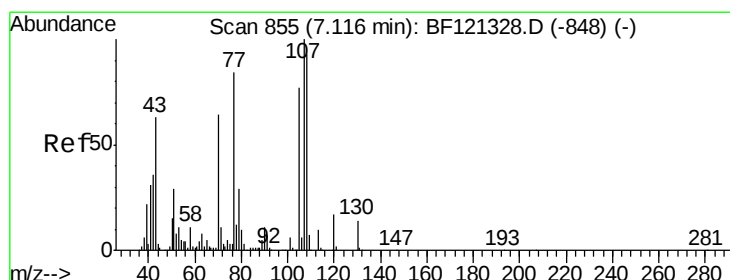
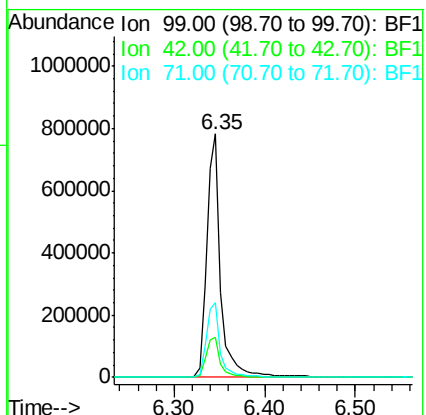
Tot Ion: 99 Resp: 844202

Ion Ratio Lower Upper

99 100

42 16.7 13.5 20.3

71 30.7 25.2 37.8



#19

n-Nitroso-di-n-propylamine

Concen: 11.928 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.15 min

Lab File: BF121433.D

Acq: 25 Aug 2020 18:07

Tgt Ion: 70 Resp: 72544

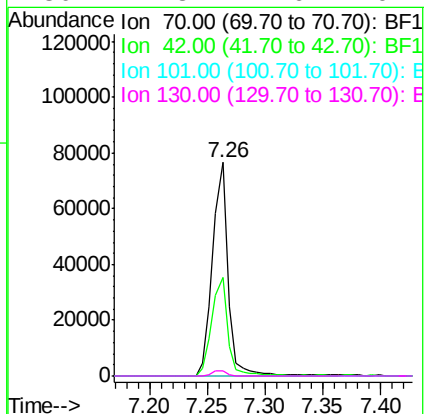
Ion Ratio Lower Upper

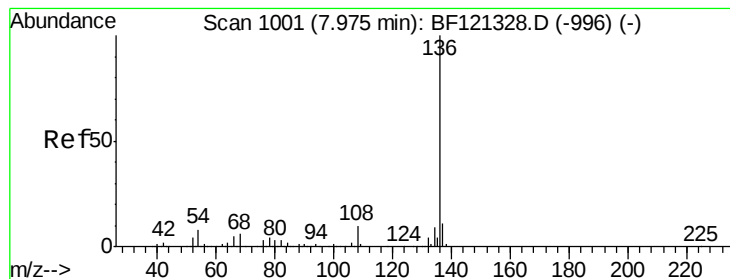
70 100

42 46.3 45.2 67.8

101 0.0 7.7 11.5#

130 2.3 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: BF121433.D

Acq: 25 Aug 2020 18:07

Instrument :

BNA_F

ClientSampled :

RO-06

Tot Ion:136 Resp: 581217

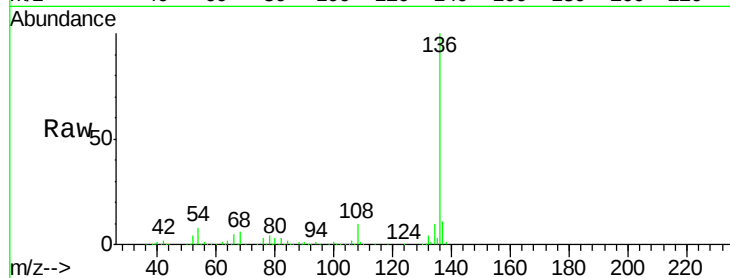
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 7.9 6.1 9.1

68 6.4 5.0 7.4

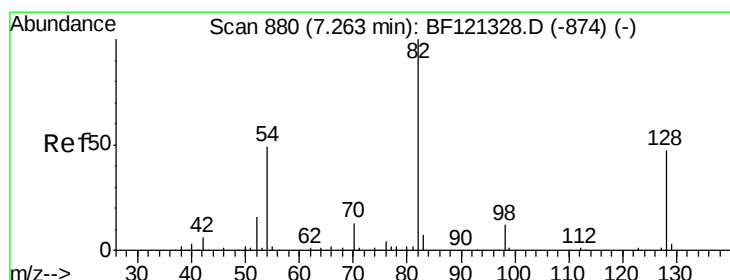
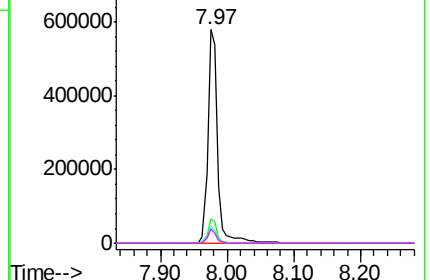
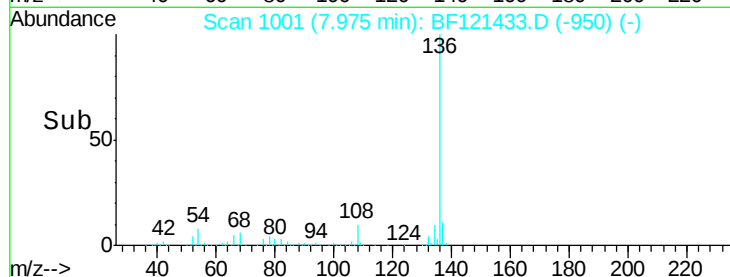


Abundance Ion 136.00 (135.70 to 136.70): E

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: 54.400 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.00 min

Lab File: BF121433.D

Acq: 25 Aug 2020 18:07

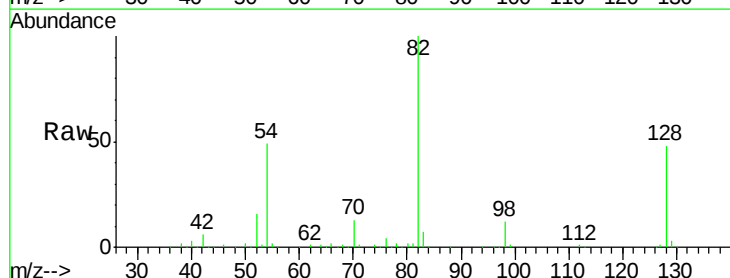
Tgt Ion: 82 Resp: 559057

Ion Ratio Lower Upper

82 100

128 48.0 37.9 56.9

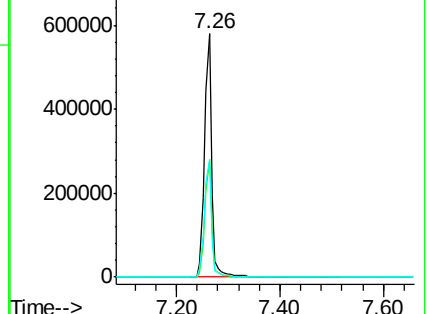
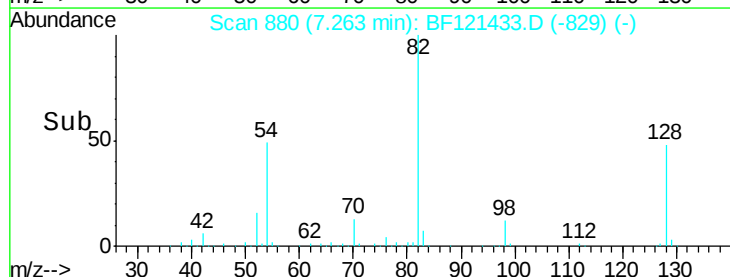
54 48.5 39.0 58.4

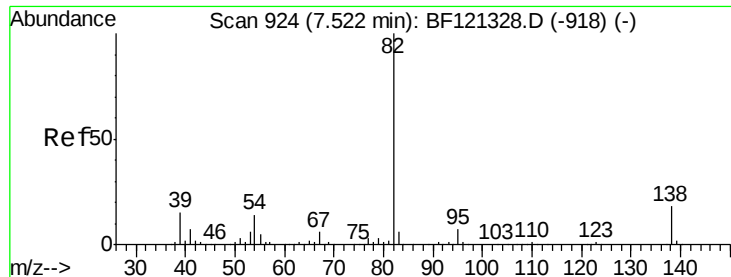


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 29.892 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.26 min

Lab File: BF121433.D

Acq: 25 Aug 2020 18:07

Instrument :

BNA_F

ClientSampleId :

RO-06

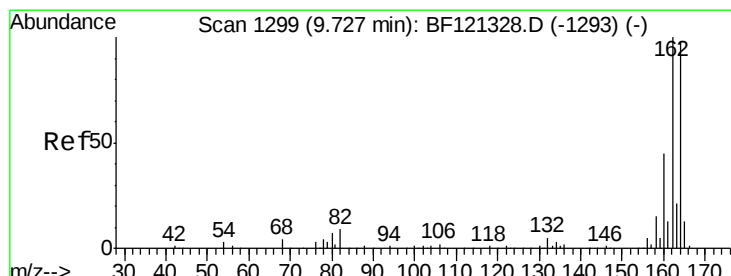
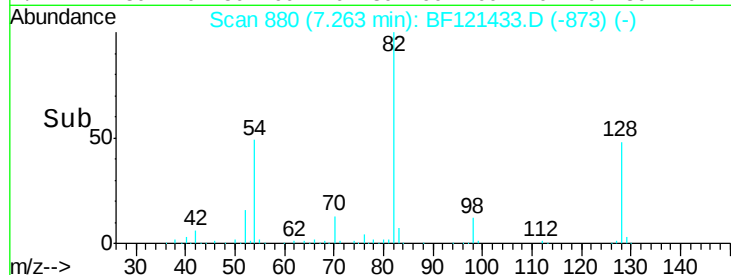
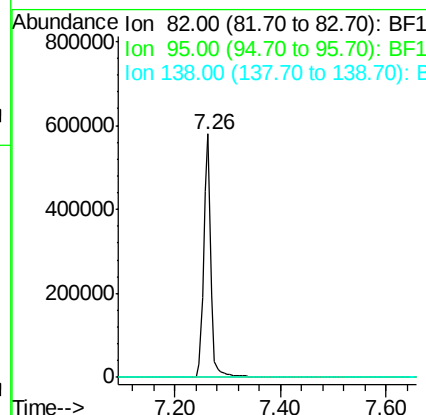
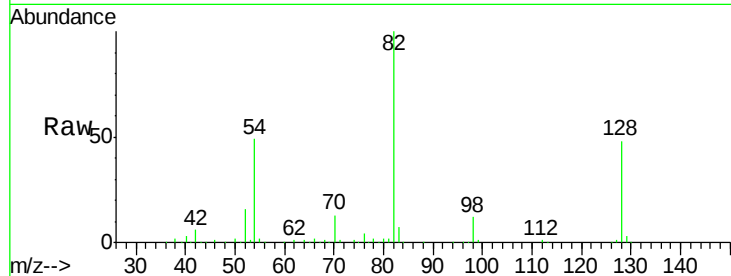
Tot Ion: 82 Resp: 559054

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 14.6 21.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BF121433.D

Acq: 25 Aug 2020 18:07

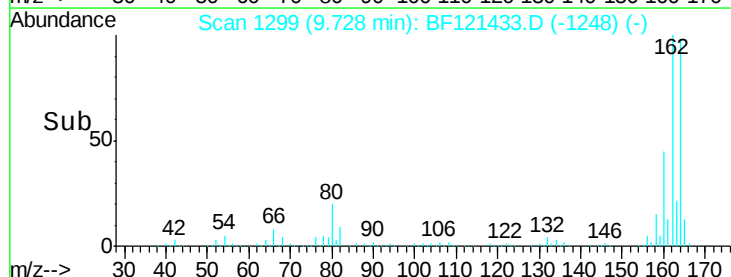
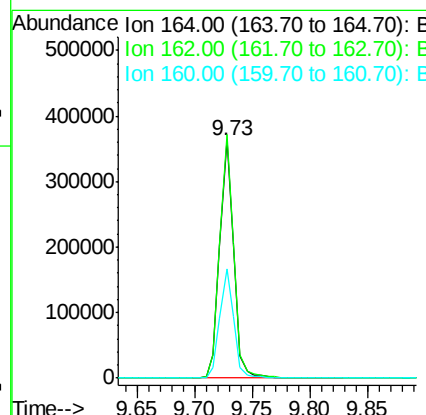
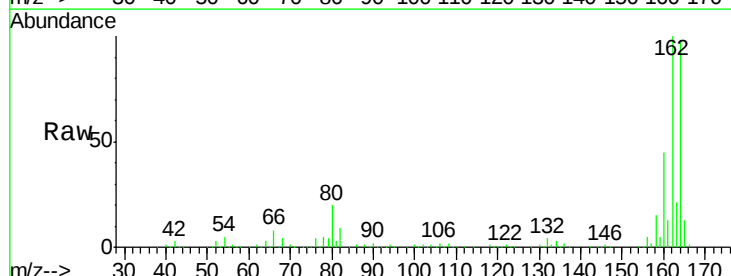
Tgt Ion:164 Resp: 305614

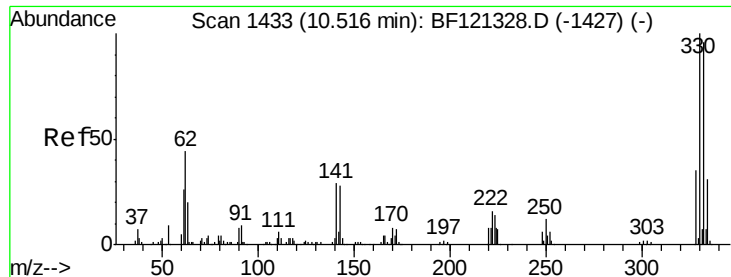
Ion Ratio Lower Upper

164 100

162 102.3 81.7 122.5

160 46.0 37.0 55.4

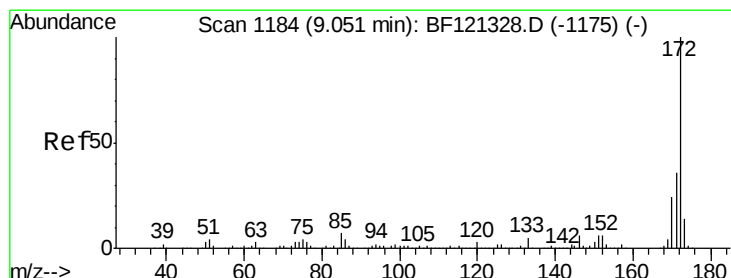
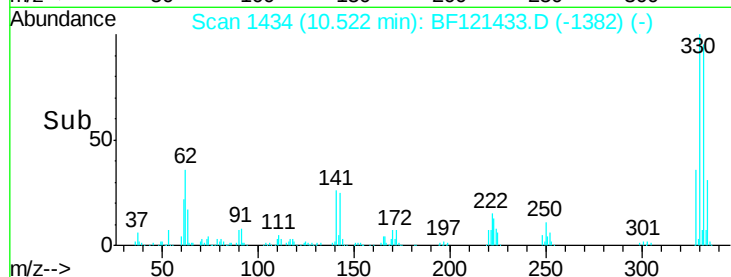
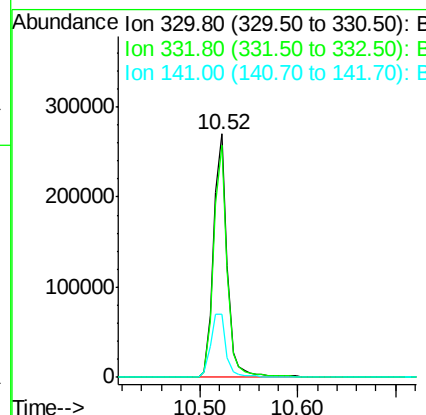
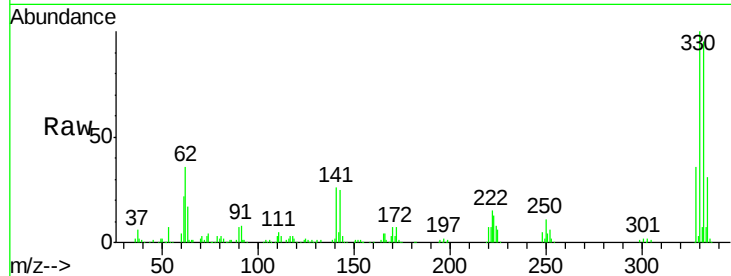




#42
 2,4,6-Tribromophenol
 Concen: 74.088 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: BF121433.D
 Acq: 25 Aug 2020 18:07

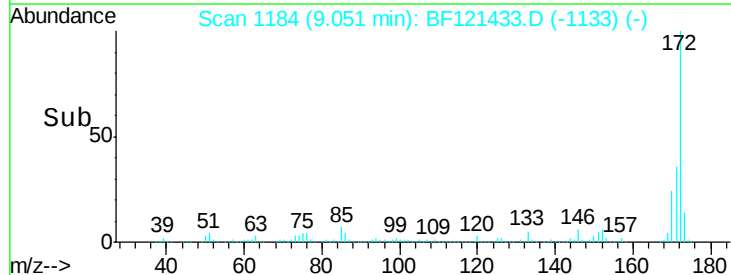
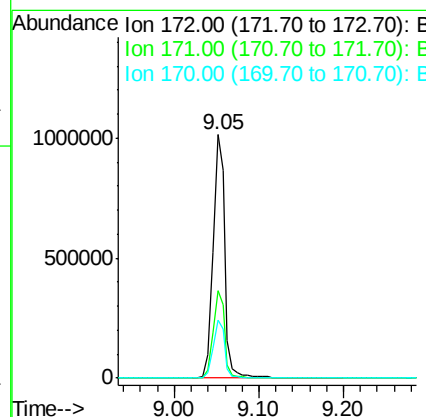
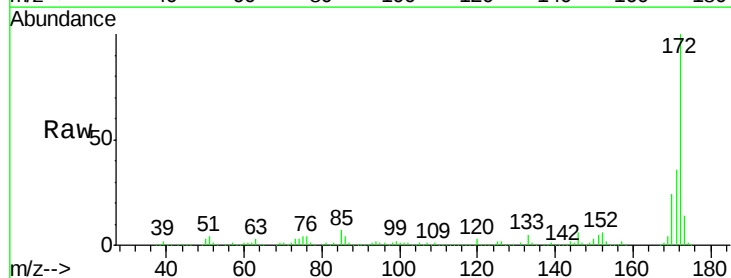
Instrument :
 BNA_F
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 RO-06

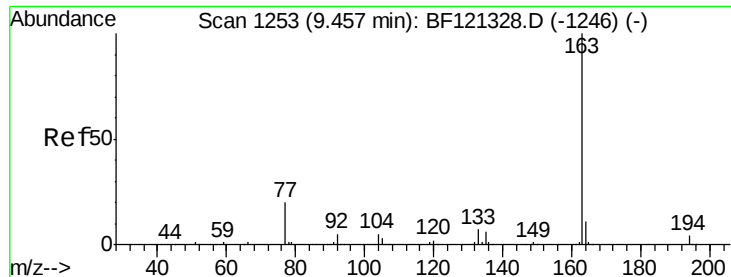
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.9	115.3
141	29.5	22.8	34.2



#45
 2-Fluorobiphenyl
 Concen: 58.149 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF121433.D
 Acq: 25 Aug 2020 18:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.0	43.6
170	24.0	19.4	29.2





#50

Dimethylphthalate

Concen: 5.243 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.01 min

Lab File: BF121433.D

Acq: 25 Aug 2020 18:07

Instrument :

BNA_F

ClientSampleId :

RO-06

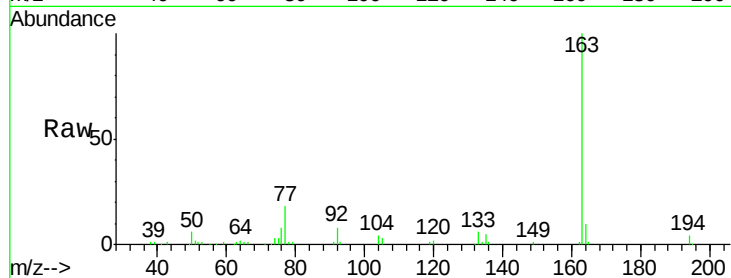
Tot Ion:163 Resp: 116567

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

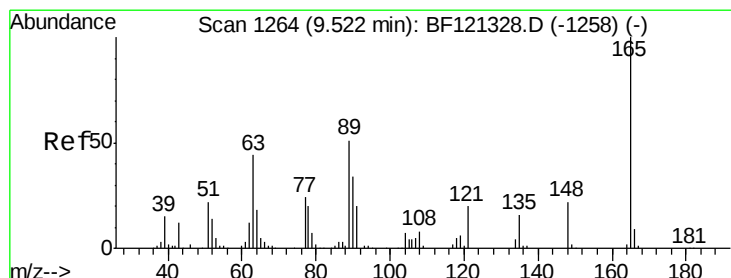
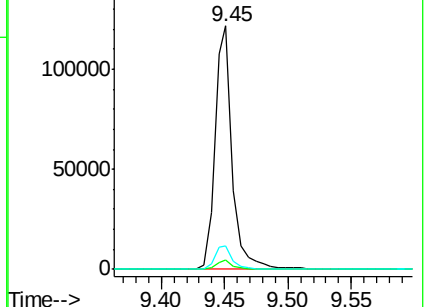
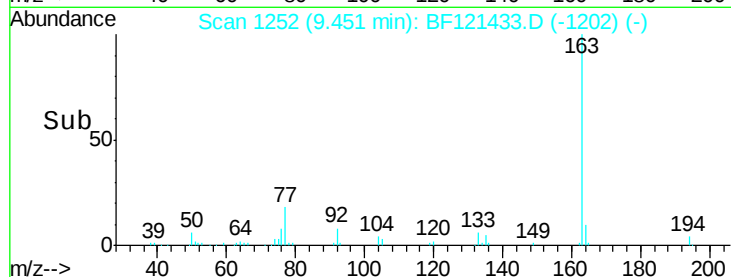
164 9.6 8.4 12.6



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: 8.289 ng

RT: 9.73 min Scan# 1299

Delta R.T. 0.21 min

Lab File: BF121433.D

Acq: 25 Aug 2020 18:07

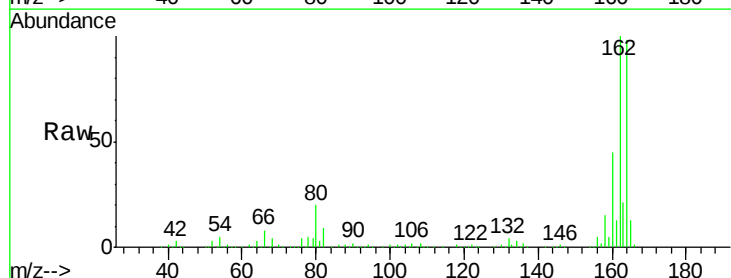
Tgt Ion:165 Resp: 39358

Ion Ratio Lower Upper

165 100

63 0.8 38.5 57.7#

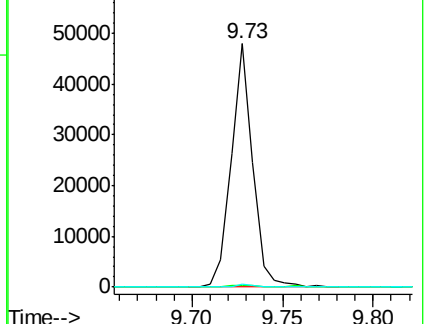
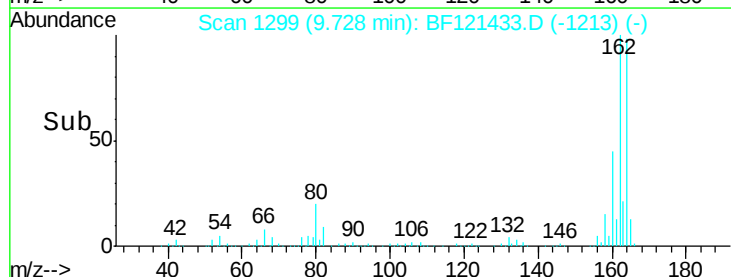
89 1.3 41.2 61.8#

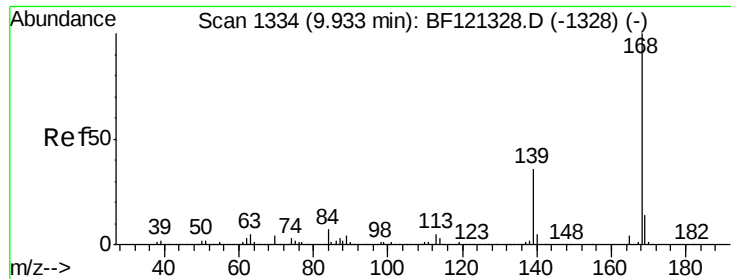


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

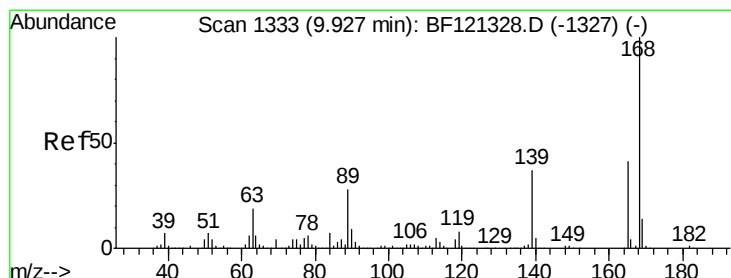
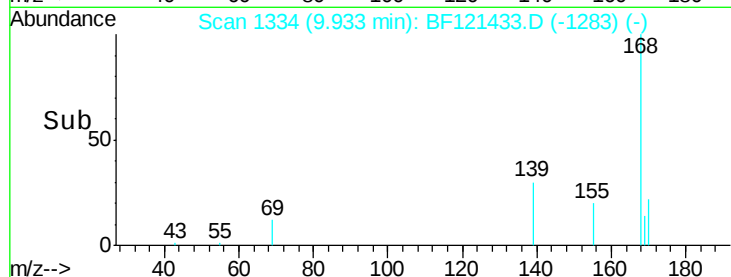
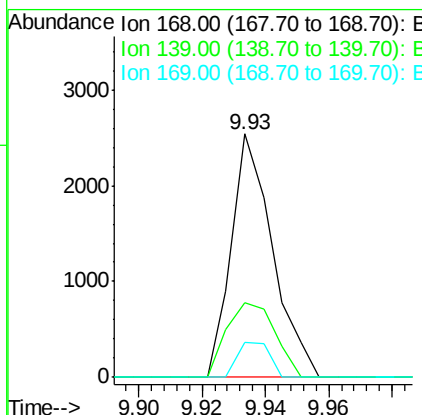
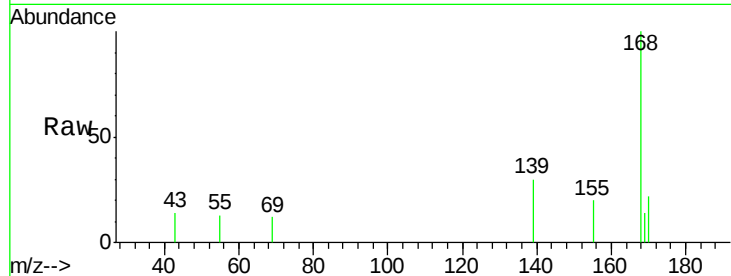




#55
Dibenzofuran
Concen: Below Cal
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF121433.D
Acq: 25 Aug 2020 18:07

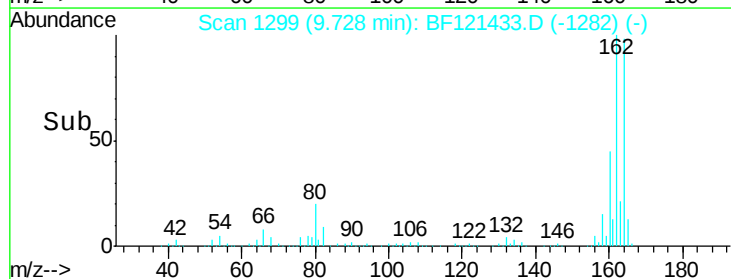
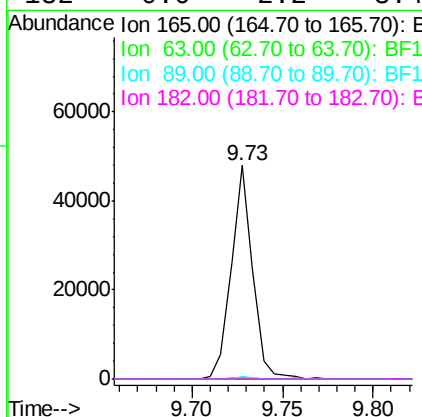
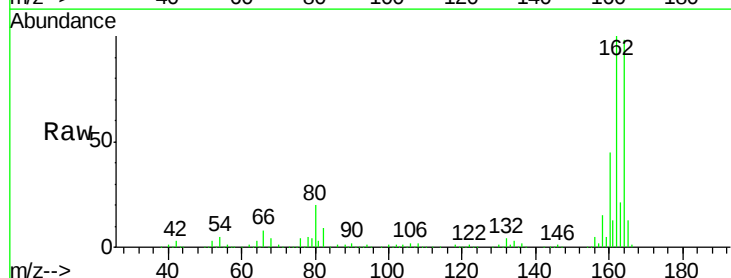
Instrument :
BNA_F
ClientSampleId :
RO-06

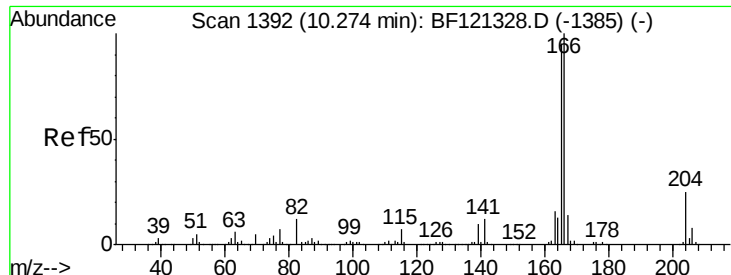
Tot Ion	Ratio	Lower	Upper
168	100		
139	30.5	29.1	43.7
169	14.3	11.0	16.6



#57
2,4-Dinitrotoluene
Concen: 6.794 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.20 min
Lab File: BF121433.D
Acq: 25 Aug 2020 18:07

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.8	37.5	56.3#
89	1.3	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: BF121433.D

Acq: 25 Aug 2020 18:07

Instrument :

BNA_F

ClientSampleId :

RO-06

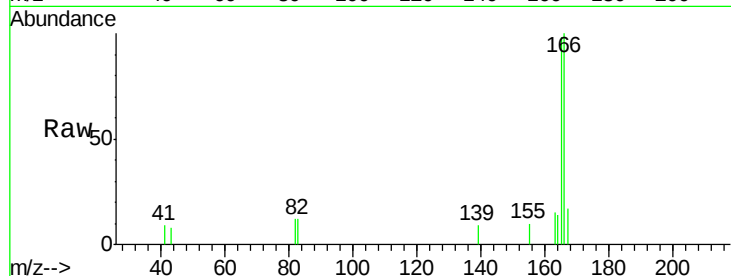
Tot Ion:166 Resp: 4082

Ion Ratio Lower Upper

166 100

165 98.3 75.8 113.8

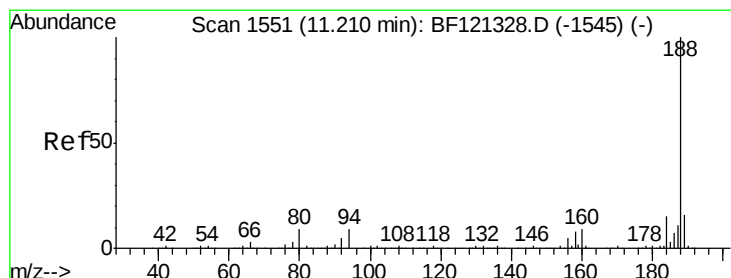
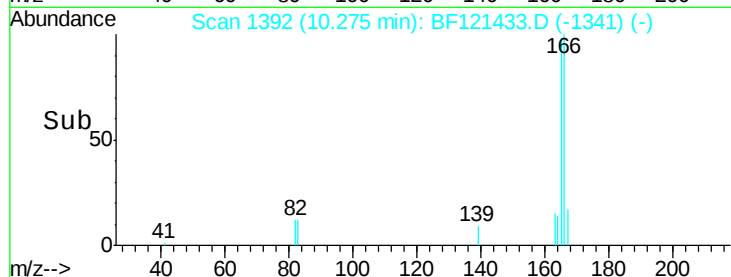
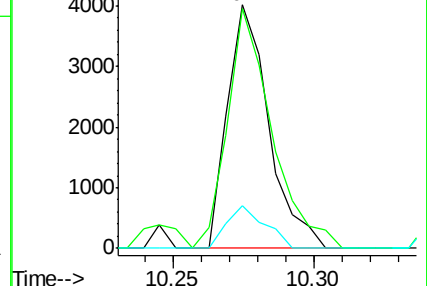
167 17.4 11.0 16.4#



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: BF121433.D

Acq: 25 Aug 2020 18:07

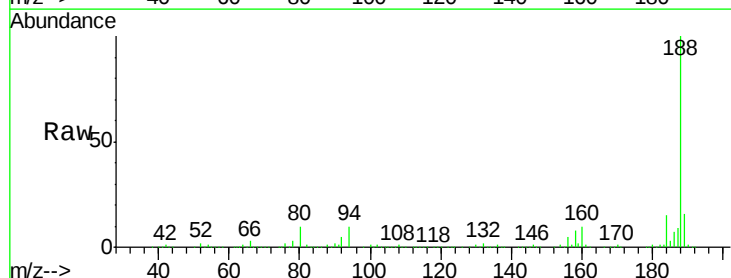
Tgt Ion:188 Resp: 603503

Ion Ratio Lower Upper

188 100

94 9.8 7.2 10.8

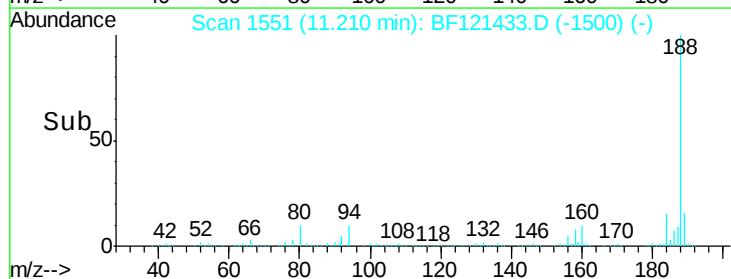
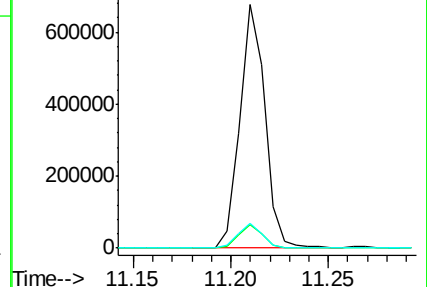
80 10.2 7.4 11.0

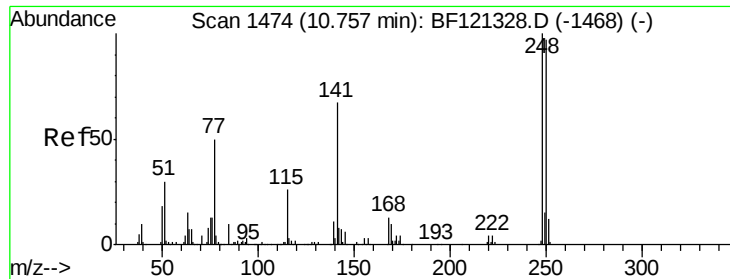


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

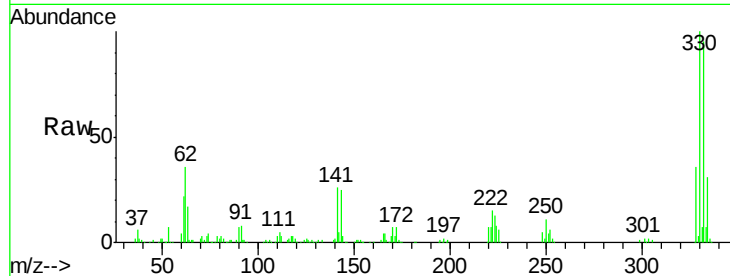




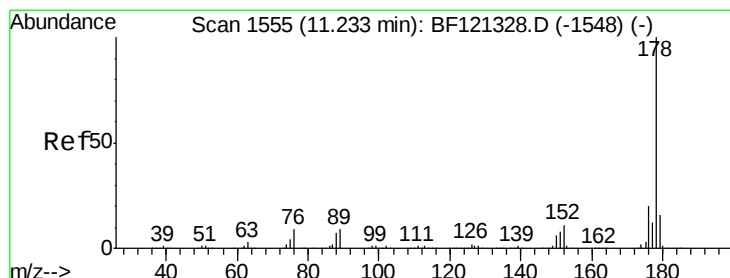
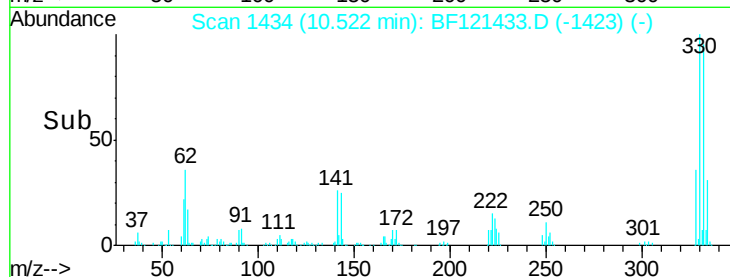
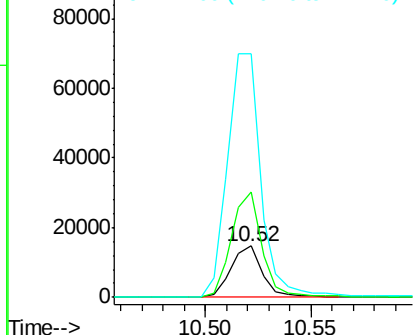
#67
 4-Bromophenyl-phenylether
 Concen: 2.229 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.24 min
 Lab File: BF121433.D
 Acq: 25 Aug 2020 18:07

Instrument :
 BNA_F
 ClientSampleId :
 RO-06

Tot Ion:248 Resp: 14925
 Ion Ratio Lower Upper
 248 100
 250 203.9 77.9 116.9#
 141 473.9 53.5 80.3#

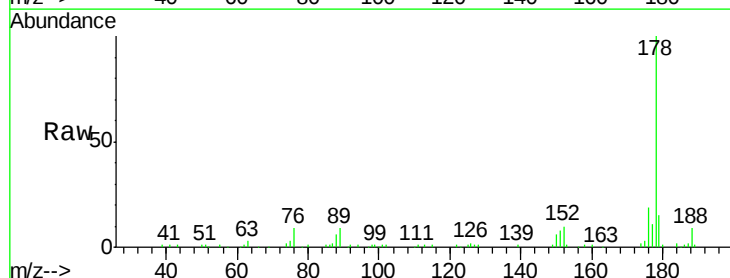


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

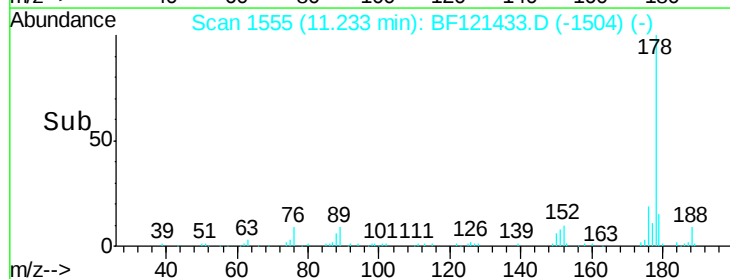
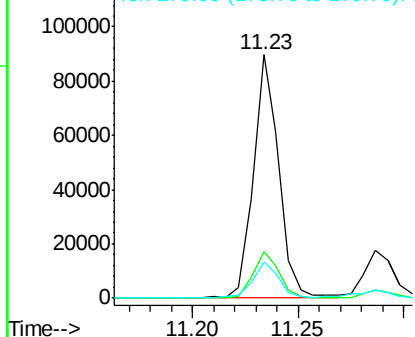


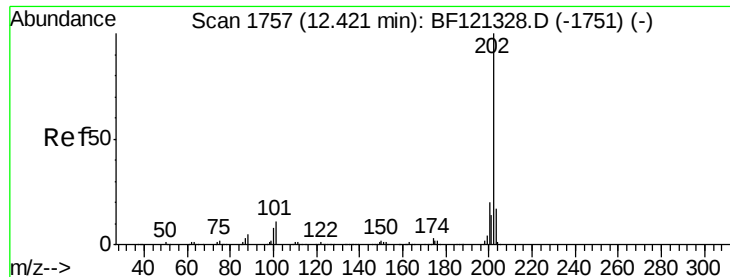
#71
 Phenanthrene
 Concen: 2.403 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. 0.00 min
 Lab File: BF121433.D
 Acq: 25 Aug 2020 18:07

Tgt Ion:178 Resp: 75053
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.0 24.0
 179 14.8 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 4.439 ng

RT: 12.42 min Scan# 1757

Delta R.T. 0.00 min

Lab File: BF121433.D

Acq: 25 Aug 2020 18:07

Instrument :

BNA_F

ClientSampled :

RO-06

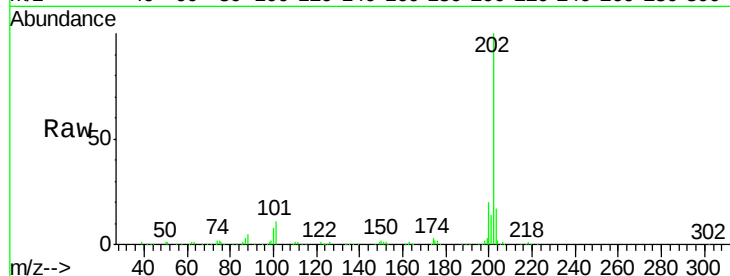
Tot Ion:202 Resp: 150502

Ion Ratio Lower Upper

202 100

101 11.1 0.0 30.6

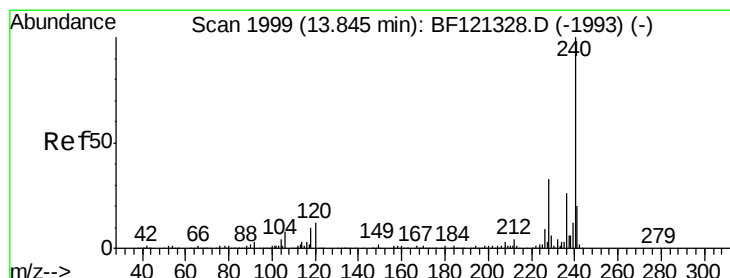
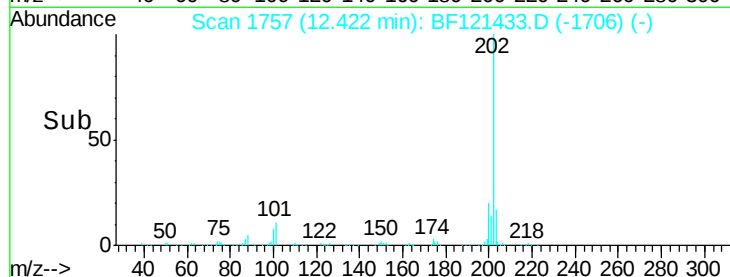
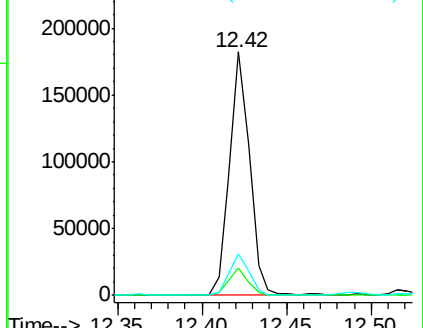
203 17.2 0.0 37.5



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: BF121433.D

Acq: 25 Aug 2020 18:07

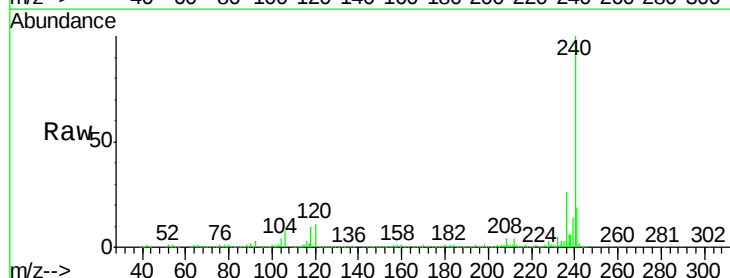
Tgt Ion:240 Resp: 507737

Ion Ratio Lower Upper

240 100

120 11.4 9.6 14.4

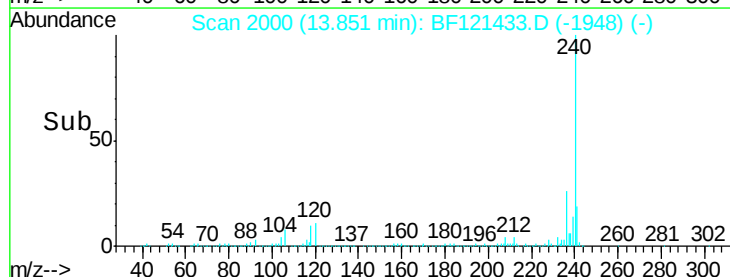
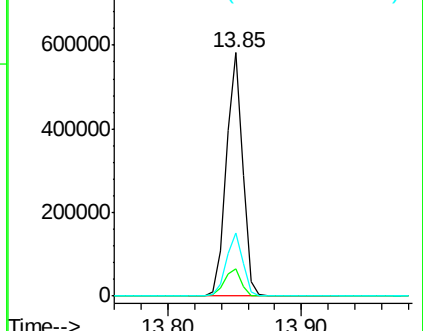
236 26.1 20.6 31.0

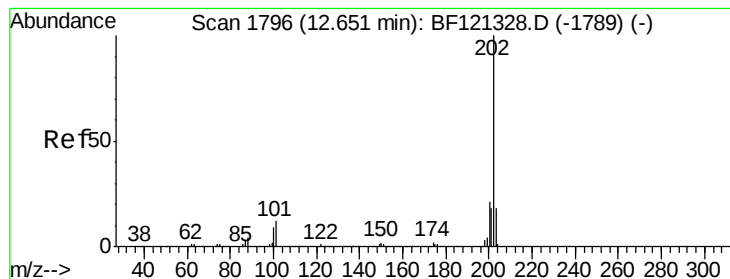


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.498 ng

RT: 12.65 min Scan# 1796

Delta R.T. 0.00 min

Lab File: BF121433.D

Acq: 25 Aug 2020 18:07

Instrument :

BNA_F

ClientSampleId :

RO-06

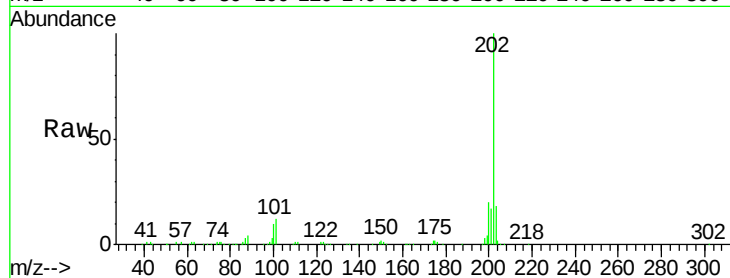
Tot Ion:202 Resp: 133418

Ion Ratio Lower Upper

202 100

200 19.9 16.6 24.8

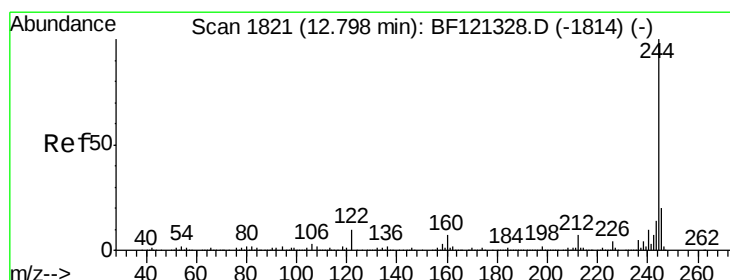
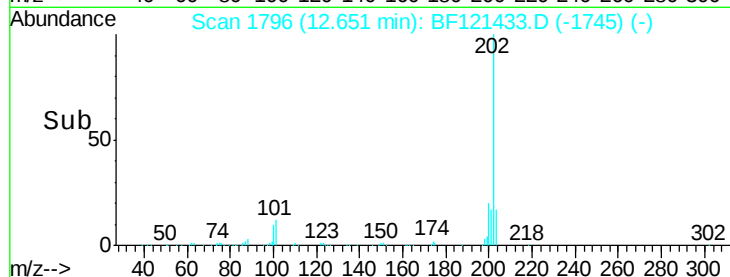
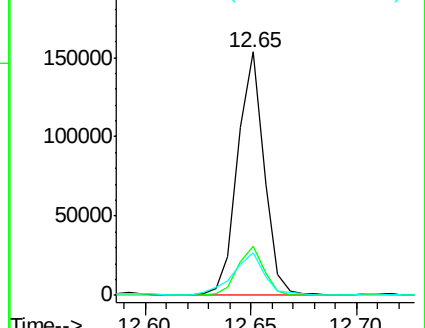
203 17.6 14.2 21.2



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: 40.654 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BF121433.D

Acq: 25 Aug 2020 18:07

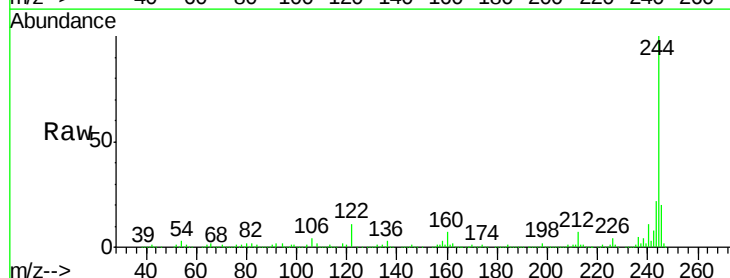
Tgt Ion:244 Resp: 1056284

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

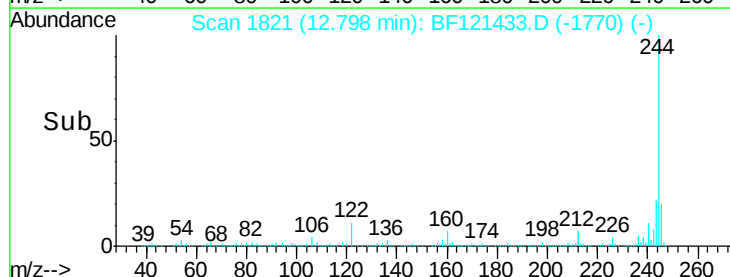
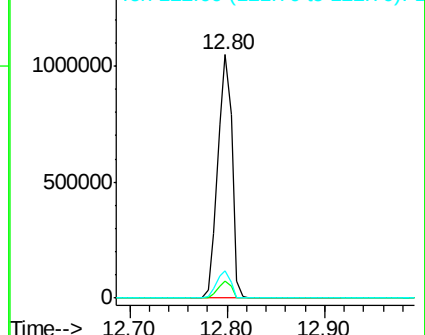
122 11.0 7.8 11.8

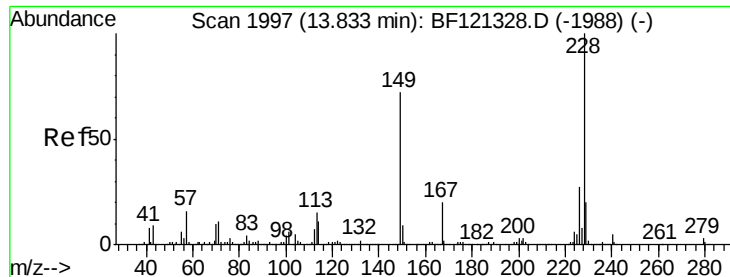


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.435 ng

RT: 13.84 min Scan# 1998

Delta R.T. 0.01 min

Lab File: BF121433.D

Acq: 25 Aug 2020 18:07

Instrument :

BNA_F

ClientSampleId :

RO-06

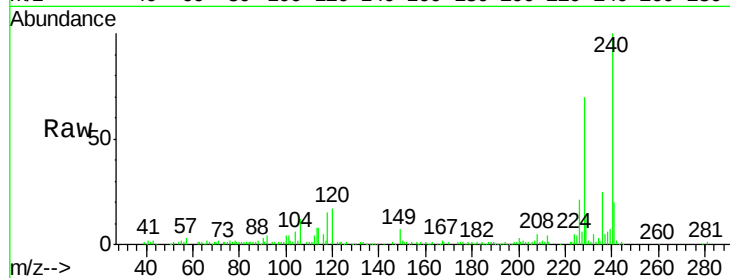
Tot Ion:228 Resp: 76797

Ion Ratio Lower Upper

228 100

226 29.4 21.8 32.6

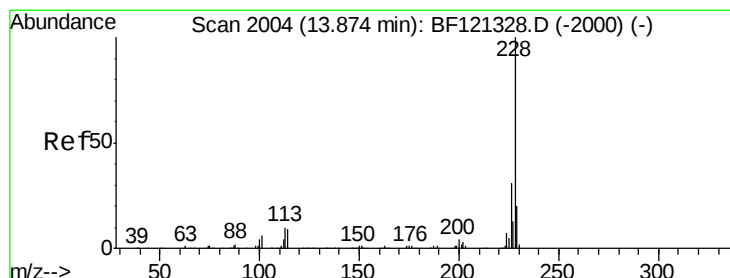
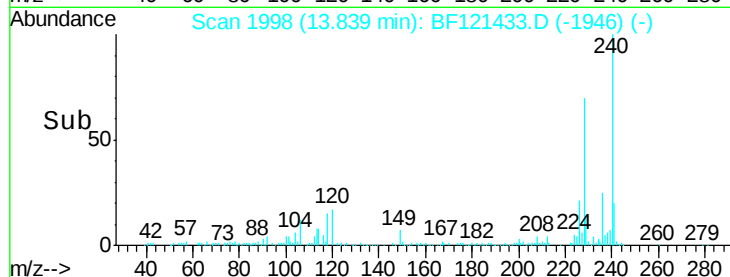
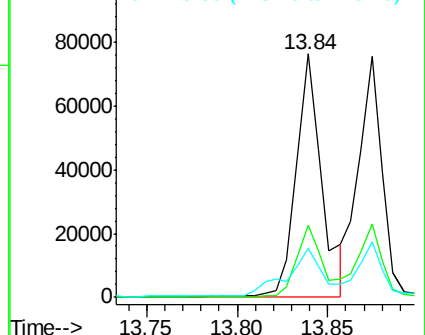
229 20.3 15.8 23.8



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: 2.118 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF121433.D

Acq: 25 Aug 2020 18:07

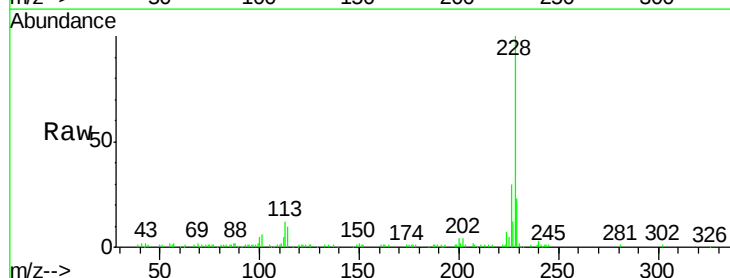
Tgt Ion:228 Resp: 68315

Ion Ratio Lower Upper

228 100

226 30.4 24.6 36.8

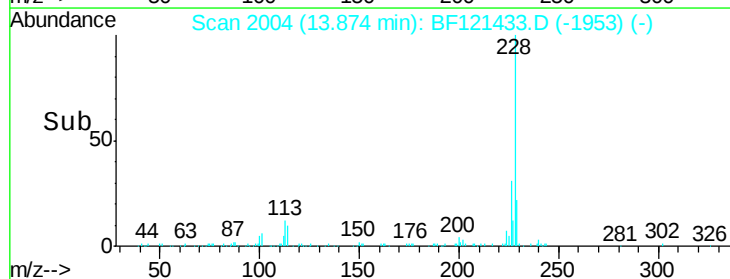
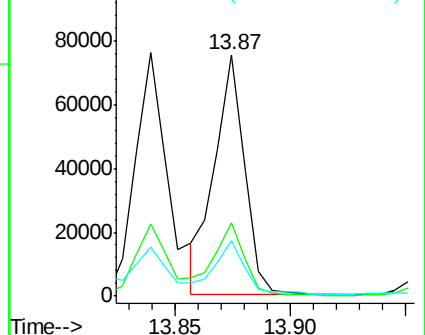
229 22.8 15.9 23.9

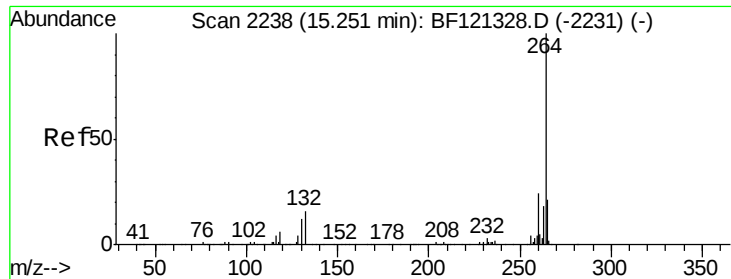


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



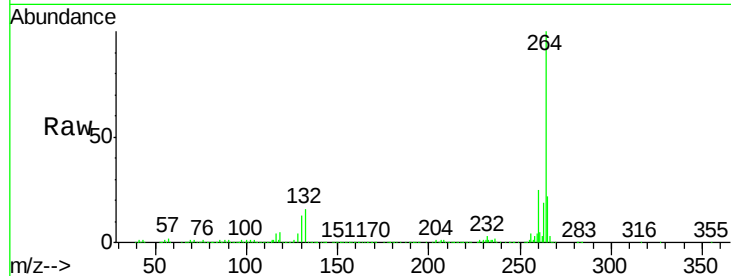


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.02 min
Lab File: BF121433.D
Acq: 25 Aug 2020 18:07

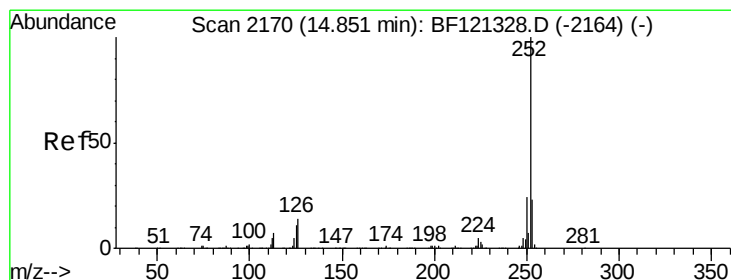
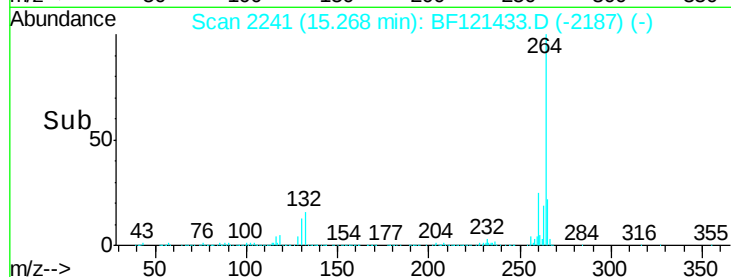
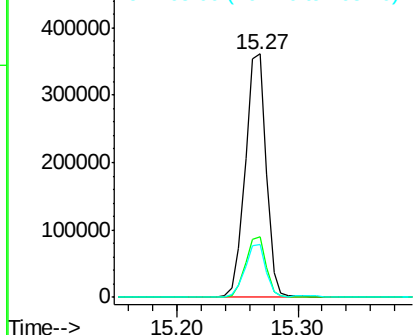
Instrument :
BNA_F
ClientSampleId :
RO-06

Tot Ion:264 Resp: 441020

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	21.7	17.1	25.7



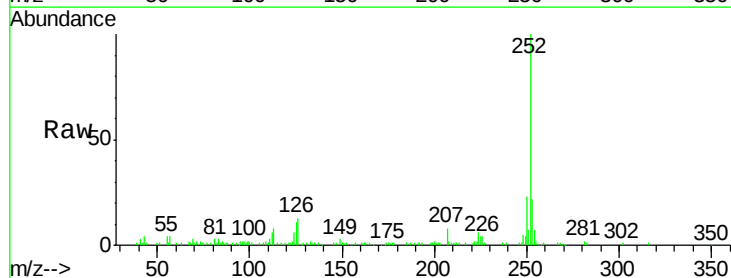
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



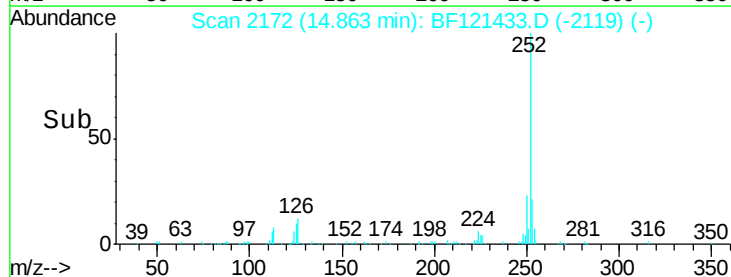
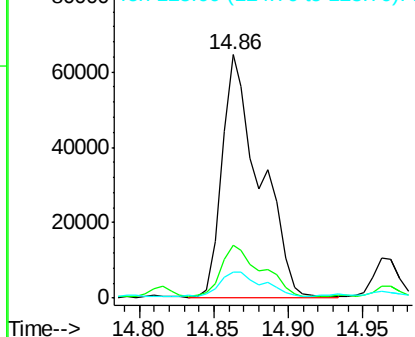
#88
Benzo(b)fluoranthene
Concen: 4.032 ng
RT: 14.86 min Scan# 2172
Delta R.T. 0.01 min
Lab File: BF121433.D
Acq: 25 Aug 2020 18:07

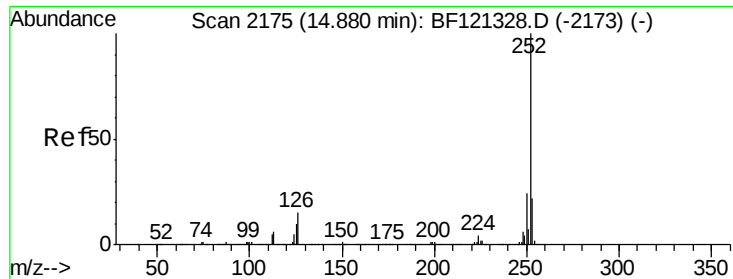
Tgt Ion:252 Resp: 114889

Ion	Ratio	Lower	Upper
252	100		
253	21.9	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

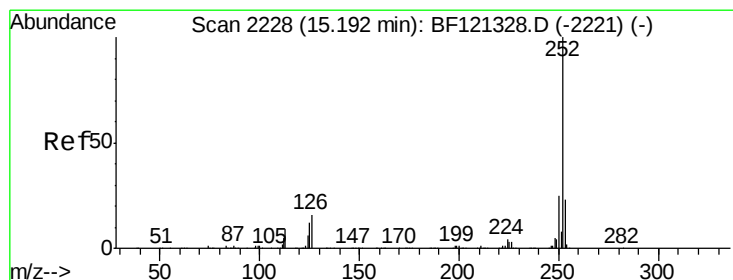
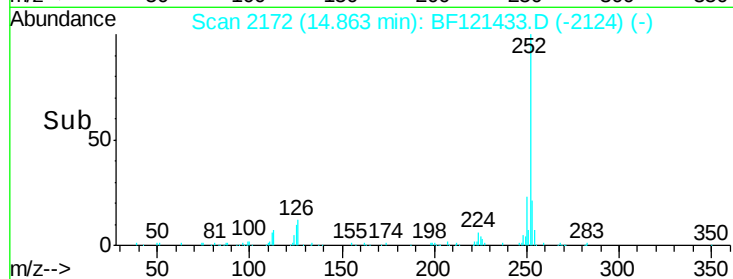
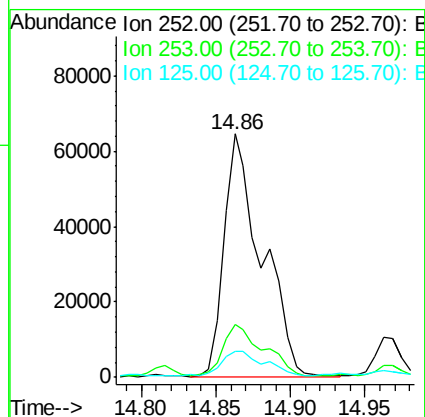
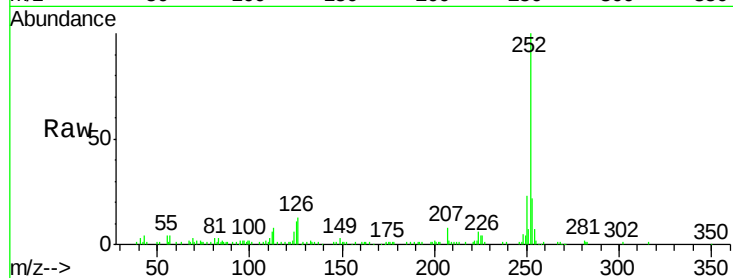




#89
Benzo(k)fluoranthene
Concen: 4.581 ng
RT: 14.86 min Scan# 2172
Delta R.T. -0.02 min
Lab File: BF121433.D
Acq: 25 Aug 2020 18:07

Instrument :
BNA_F
ClientSampleId :
RO-06

Tot Ion:252 Resp: 114889
Ion Ratio Lower Upper
252 100
253 21.9 17.9 26.9
125 10.9 8.6 12.8



#90
Benzo(a)pyrene
Concen: 2.180 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.01 min
Lab File: BF121433.D
Acq: 25 Aug 2020 18:07

Tgt Ion:252 Resp: 53656
Ion Ratio Lower Upper
252 100
253 24.1 18.0 27.0
125 12.1 9.4 14.0

