

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082520\
 Data File : BF121431.D
 Acq On : 25 Aug 2020 17:03
 Operator : JU/CG
 Sample : L3784-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-11

Quant Time: Aug 25 18:15:35 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	143430	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	577910	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	301164	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	592824	20.00	ng	0.00
76) Chrysene-d12	13.85	240	499492	20.00	ng	0.00
86) Perylene-d12	15.26	264	441042	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	717590	82.04	ng	0.01
7) Phenol-d6	6.35	99	882319	79.01	ng	0.00
23) Nitrobenzene-d5	7.26	82	583163	57.07	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	272308	77.59	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	1054102	64.00	ng	0.00
79) Terphenyl-d14	12.80	244	1139228	44.57	ng	0.00

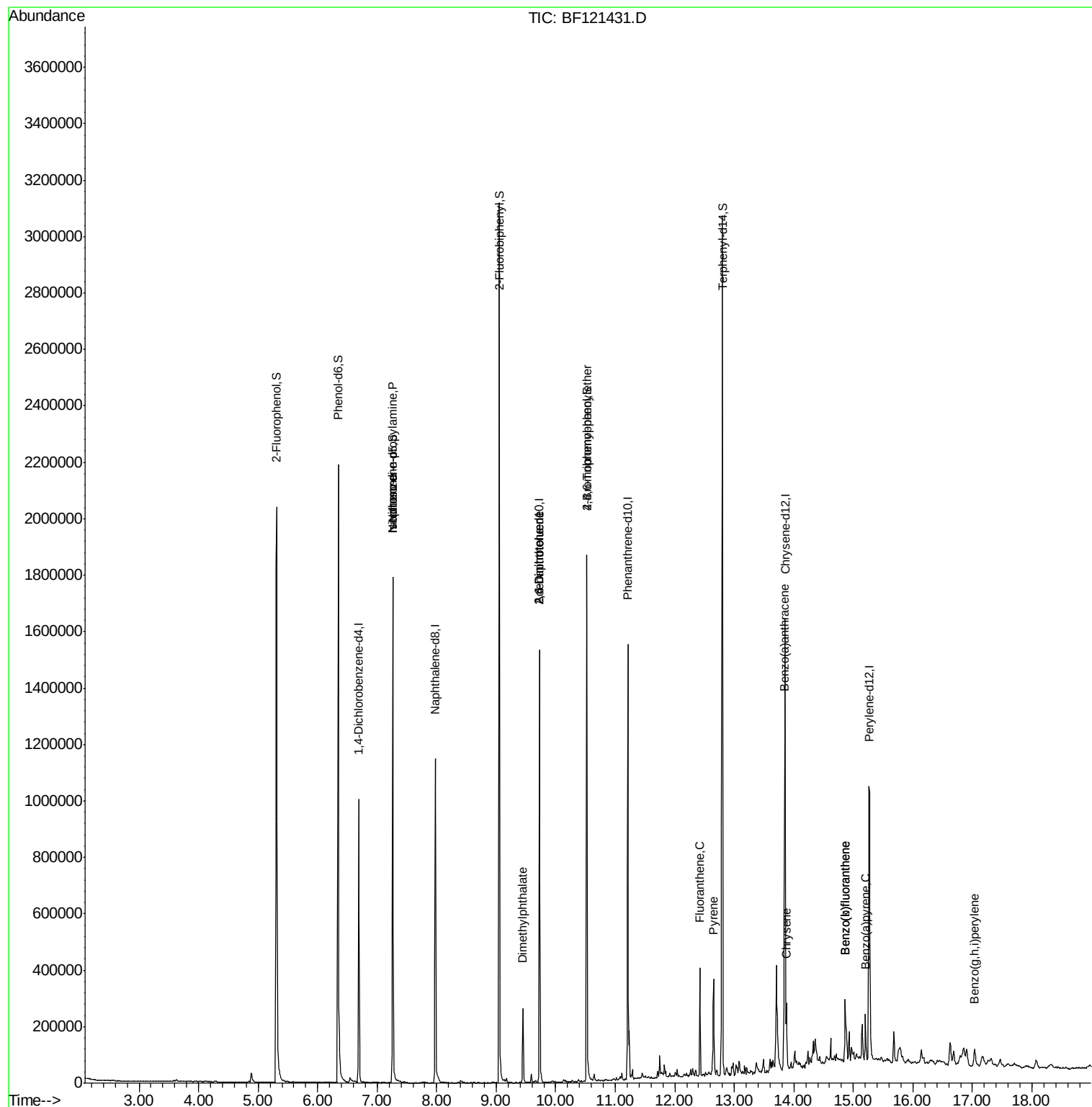
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	74643	12.429	ng	# 77
25) Isophorone	7.26	82	583161	31.360	ng	# 65
50) Dimethylphthalate	9.45	163	116373	5.311	ng	99
51) 2,6-Dinitrotoluene	9.73	165	39038	8.343	ng	# 30
55) Dibenzofuran	9.93	168	1427	Below Cal		# 78
57) 2,4-Dinitrotoluene	9.73	165	39038	6.839	ng	# 25
58) Fluorene	10.27	166	2420	Below Cal		# 92
67) 4-Bromophenyl-phenylether	10.52	248	15607	2.373	ng	# 1
75) Fluoranthene	12.42	202	140822	4.229	ng	99
78) Pyrene	12.65	202	137077	3.653	ng	99
81) Benzo(a)anthracene	13.84	228	89220	2.876	ng	96
83) Chrysene	13.87	228	81989	2.584	ng	97
88) Benzo(b)fluoranthene	14.86	252	149741	5.255	ng	97
89) Benzo(k)fluoranthene	14.86	252	149741	5.970	ng	98
90) Benzo(a)pyrene	15.20	252	70019	2.844	ng	97
92) Benzo(g,h,i)perylene	17.04	276	47074	2.181	ng	97

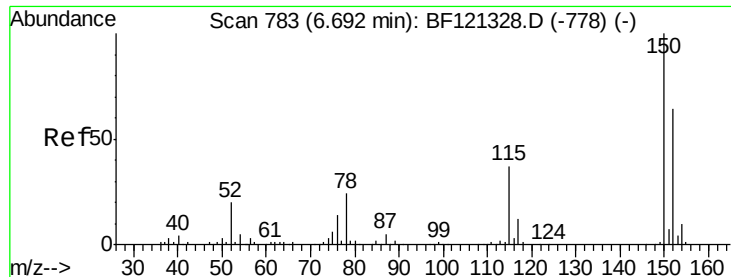
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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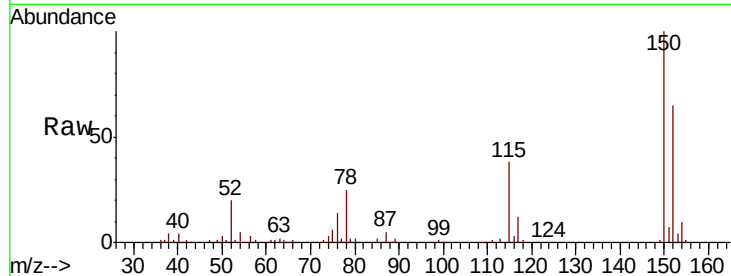


#1

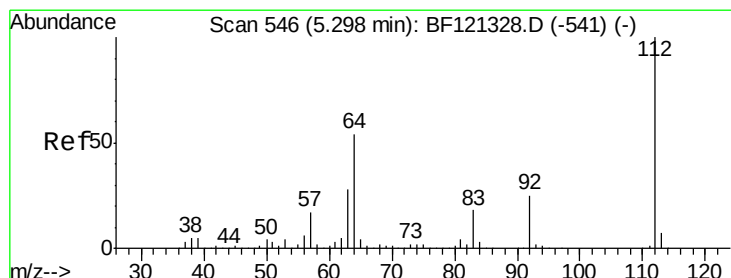
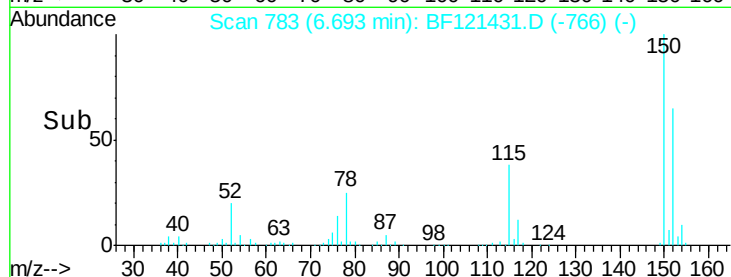
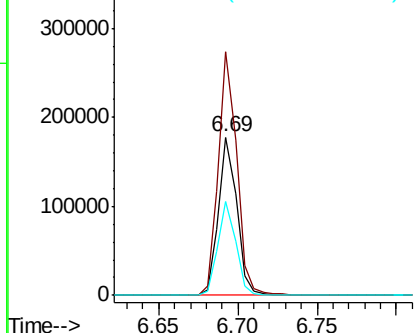
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF121431.D
Acq: 25 Aug 2020 17:03

Instrument :
BNA_F
ClientSampleId :
RO-11

Tot Ion:152 Resp: 143430
Ion Ratio Lower Upper
152 100
150 154.2 124.8 187.2
115 59.1 46.1 69.1



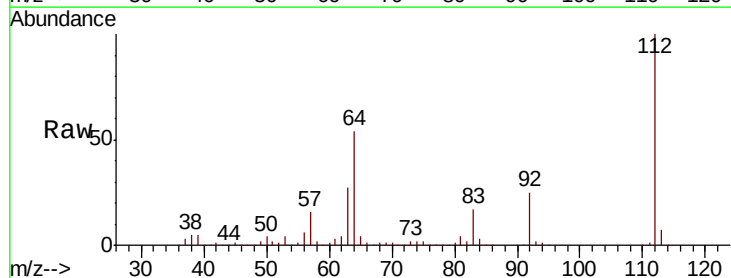
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



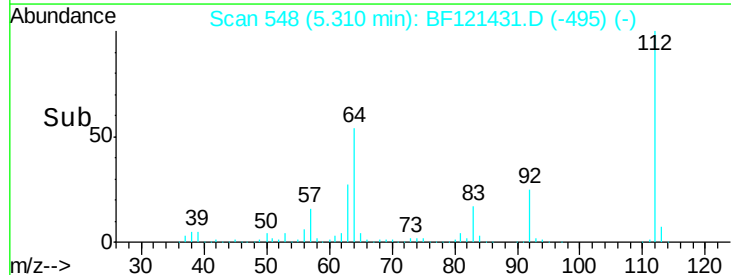
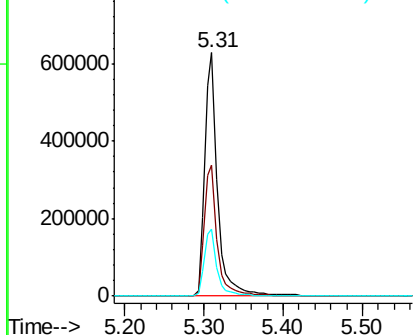
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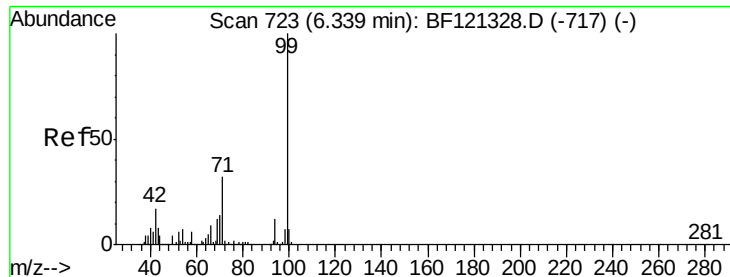
2-Fluorophenol
Concen: 82.037 ng
RT: 5.31 min Scan# 548
Delta R.T. 0.01 min
Lab File: BF121431.D
Acq: 25 Aug 2020 17:03

Tgt Ion:112 Resp: 717590
Ion Ratio Lower Upper
112 100
64 53.9 43.5 65.3
63 27.5 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: 79.015 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF121431.D

Acq: 25 Aug 2020 17:03

Instrument :

BNA_F

ClientSampleId :

RO-11

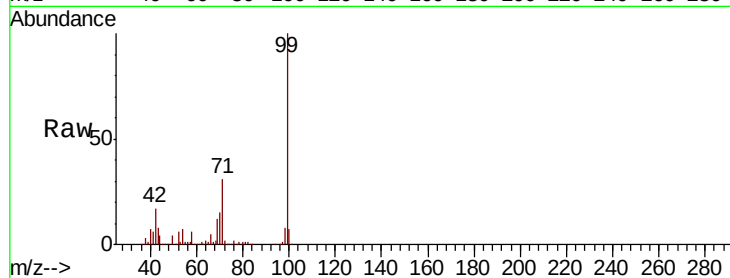
Tot Ion: 99 Resp: 882319

Ion Ratio Lower Upper

99 100

42 16.8 13.5 20.3

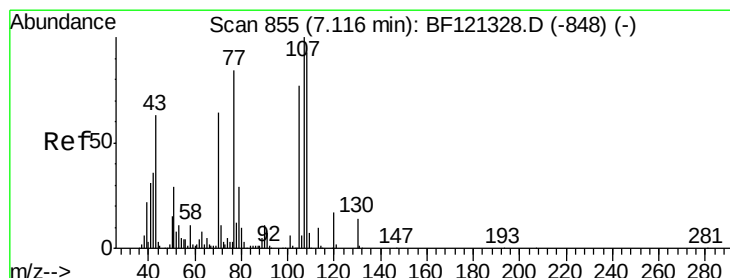
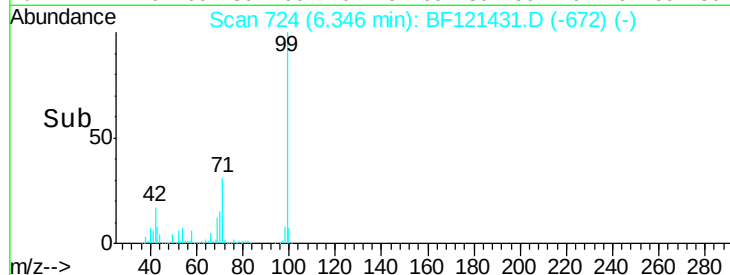
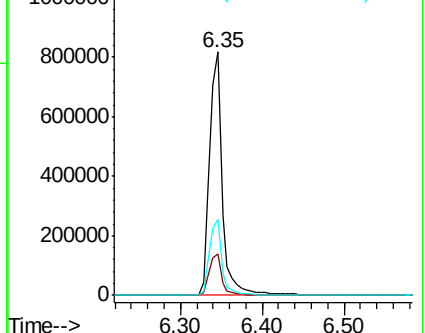
71 31.2 25.2 37.8



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: 12.429 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.15 min

Lab File: BF121431.D

Acq: 25 Aug 2020 17:03

Tgt Ion: 70 Resp: 74643

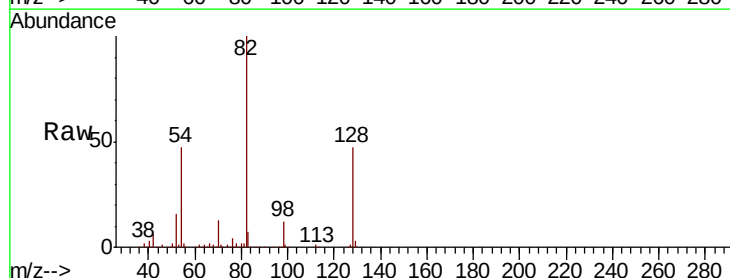
Ion Ratio Lower Upper

70 100

42 45.2 45.2 67.8

101 0.0 7.7 11.5#

130 2.2 17.6 26.4#

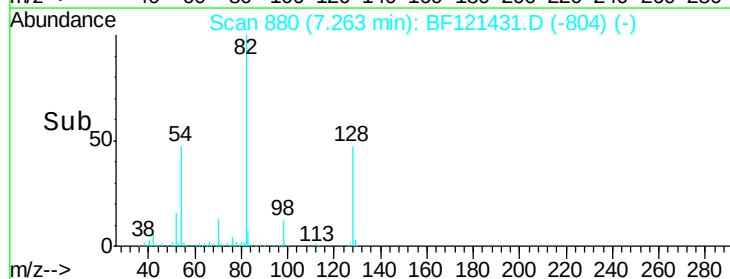
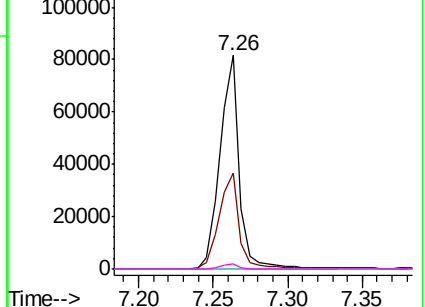


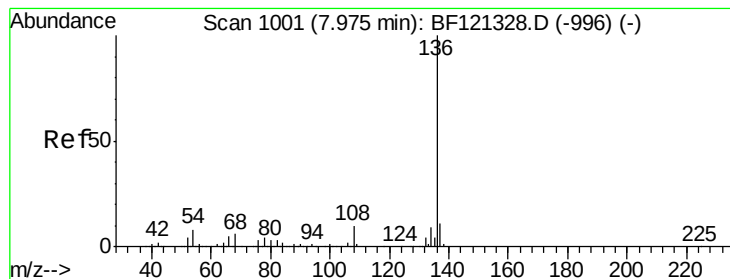
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF121431.D

Acq: 25 Aug 2020 17:03

Instrument :

BNA_F

ClientSampleId :

RO-11

Tot Ion:136 Resp: 577910

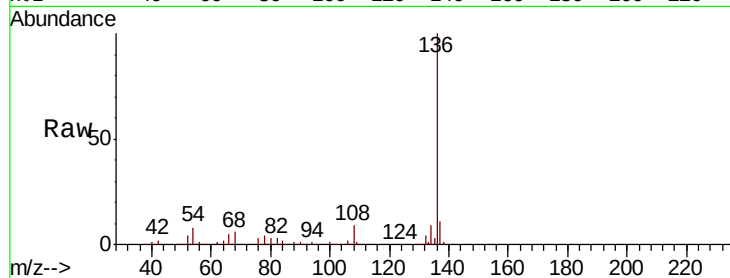
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.0 6.1 9.1

68 6.2 5.0 7.4

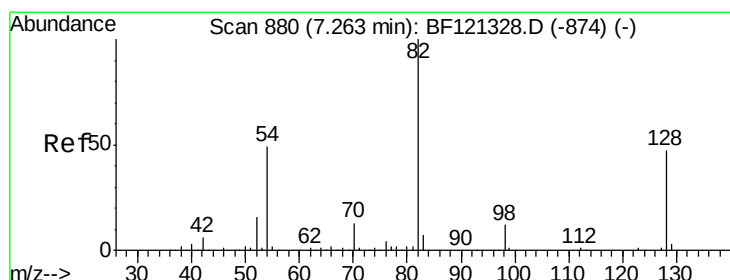
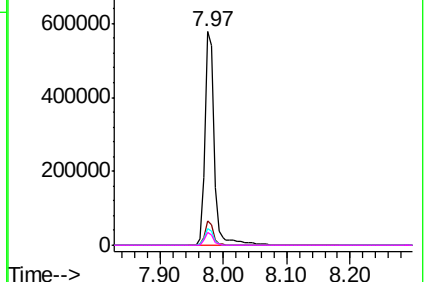
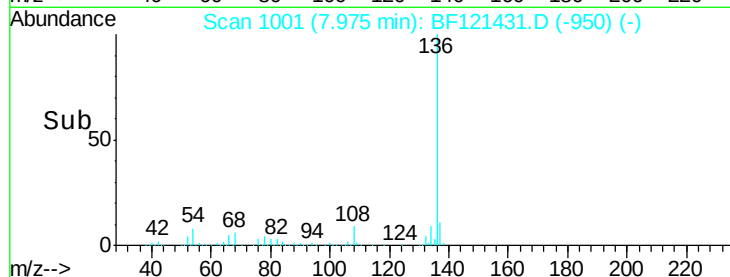


Abundance Ion 136.00 (135.70 to 136.70): E

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: 57.070 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.00 min

Lab File: BF121431.D

Acq: 25 Aug 2020 17:03

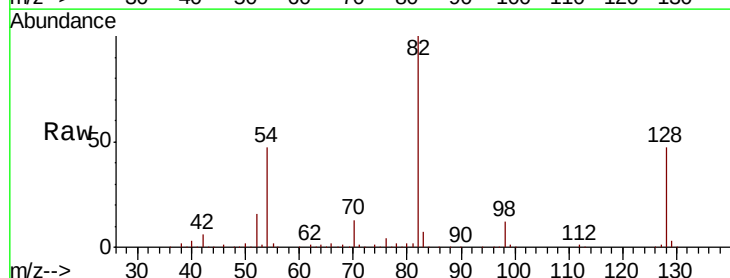
Tgt Ion: 82 Resp: 583163

Ion Ratio Lower Upper

82 100

128 46.9 37.9 56.9

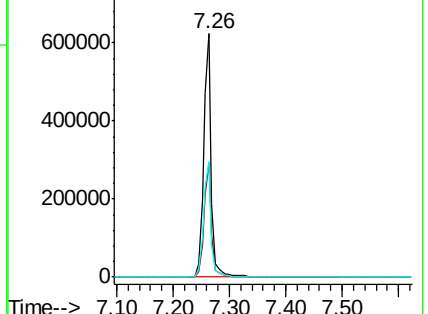
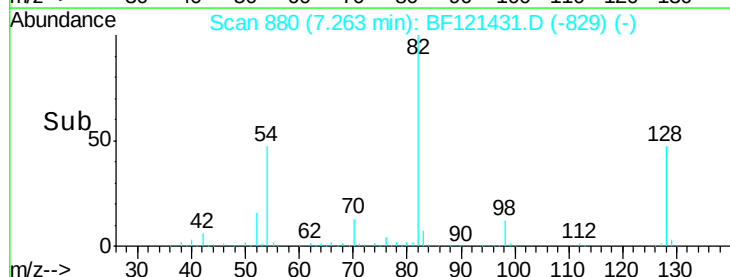
54 47.4 39.0 58.4

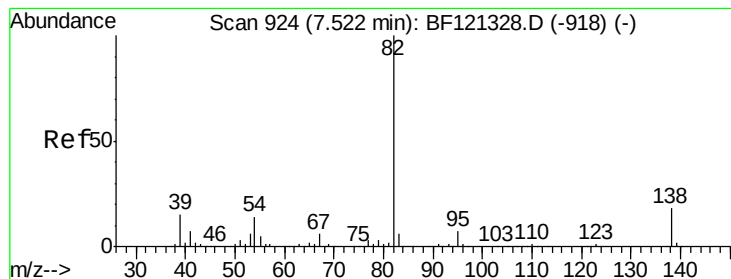


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 31.360 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.26 min

Lab File: BF121431.D

Acq: 25 Aug 2020 17:03

Instrument :

BNA_F

ClientSampled :

RO-11

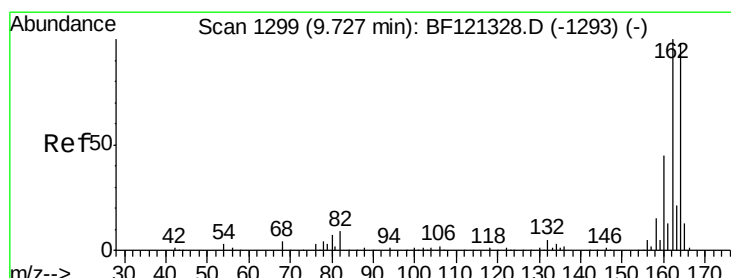
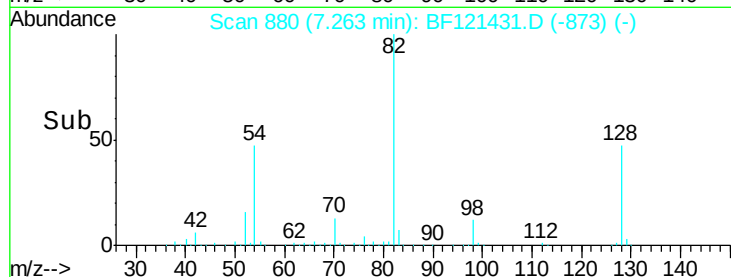
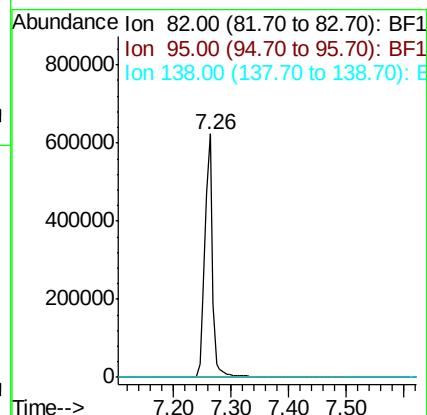
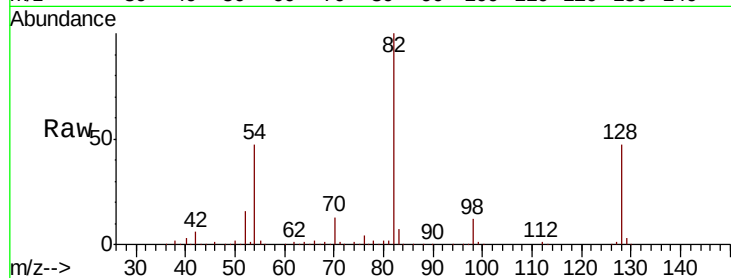
Tot Ion: 82 Resp: 583161

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: BF121431.D

Acq: 25 Aug 2020 17:03

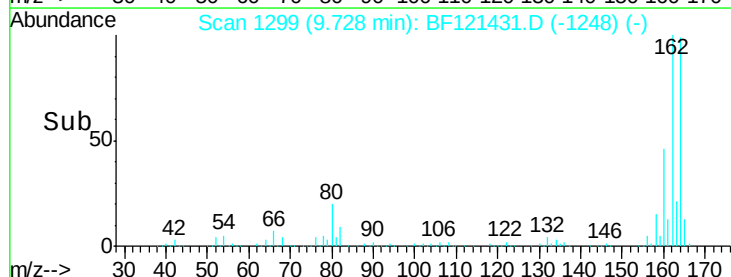
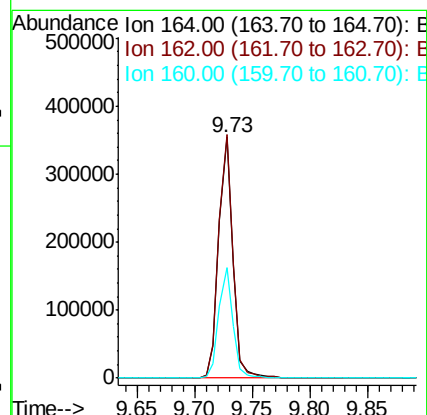
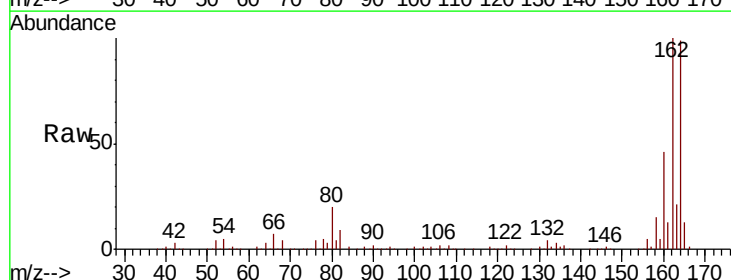
Tgt Ion: 164 Resp: 301164

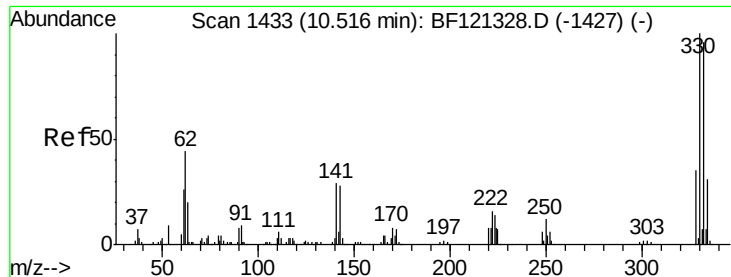
Ion Ratio Lower Upper

164 100

162 101.2 81.7 122.5

160 46.1 37.0 55.4

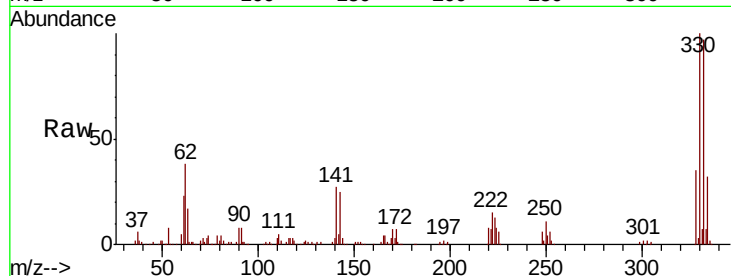




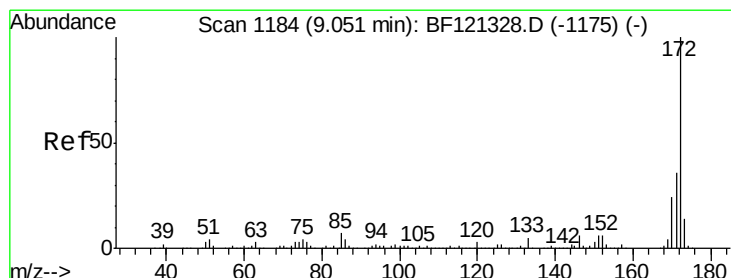
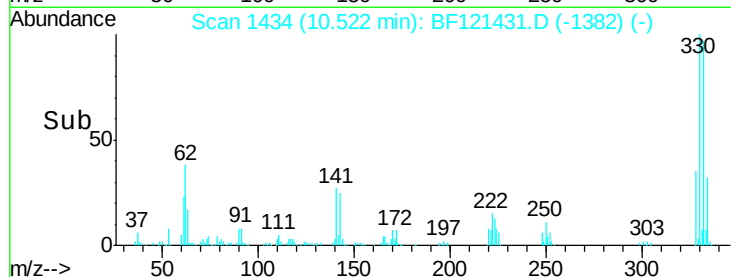
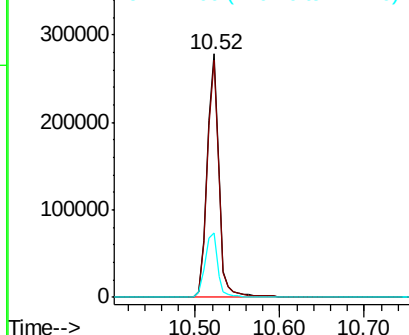
#42
 2,4,6-Tribromophenol
 Concen: 77.591 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: BF121431.D
 Acq: 25 Aug 2020 17:03

Instrument :
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 ClientSampleId :
 RO-11

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.9	115.3
141	28.9	22.8	34.2

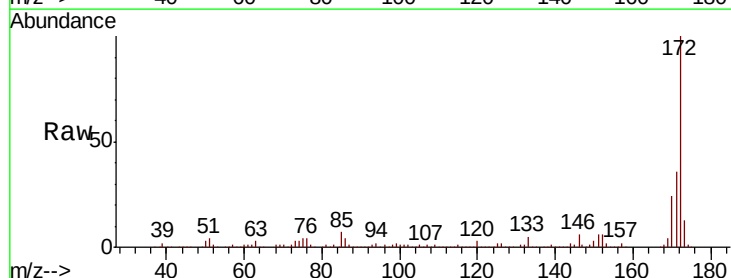


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

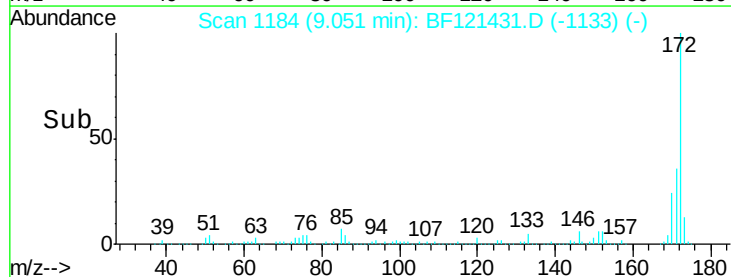
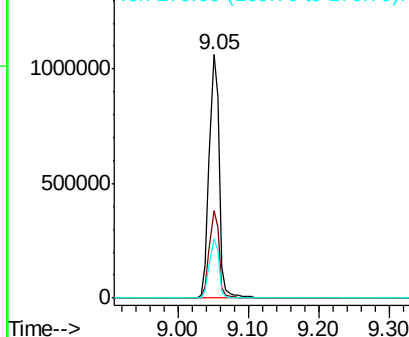


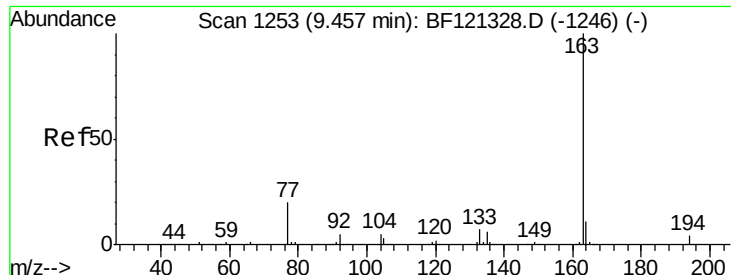
#45
 2-Fluorobiphenyl
 Concen: 63.997 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF121431.D
 Acq: 25 Aug 2020 17:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.6
170	24.3	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

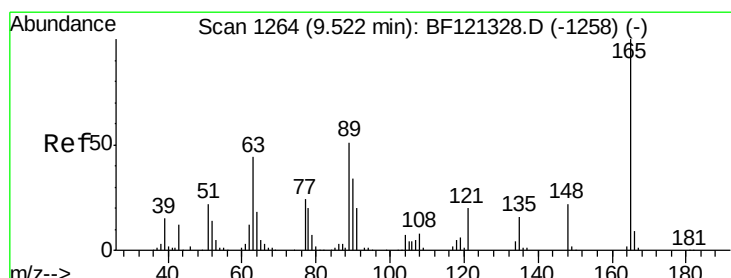
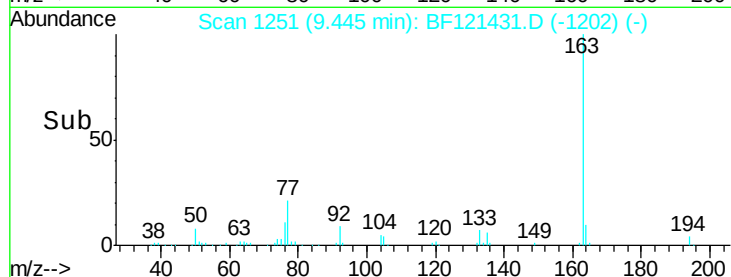
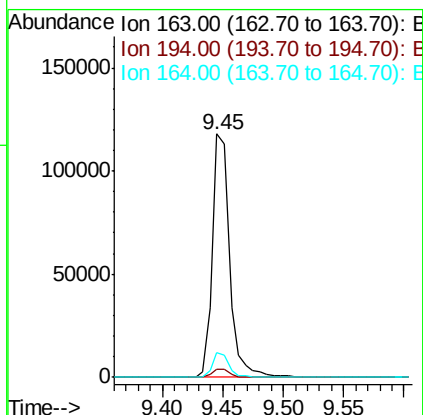
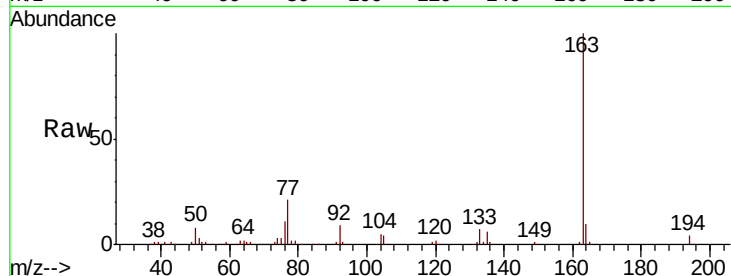




#50
Dimethylphthalate
Concen: 5.311 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.01 min
Lab File: BF121431.D
Acq: 25 Aug 2020 17:03

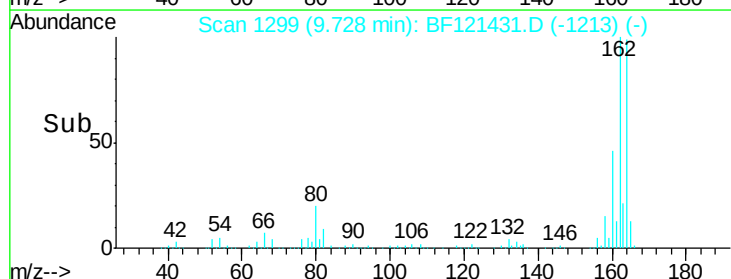
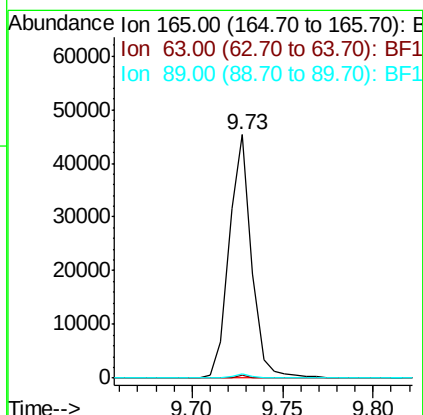
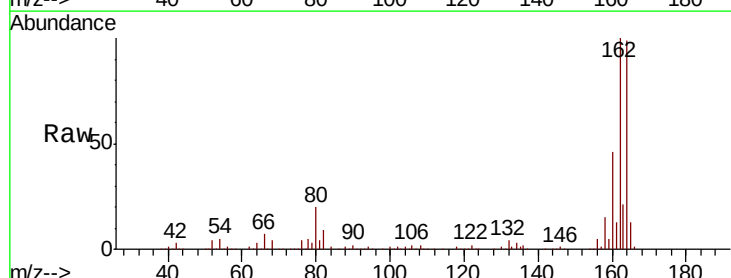
Instrument :
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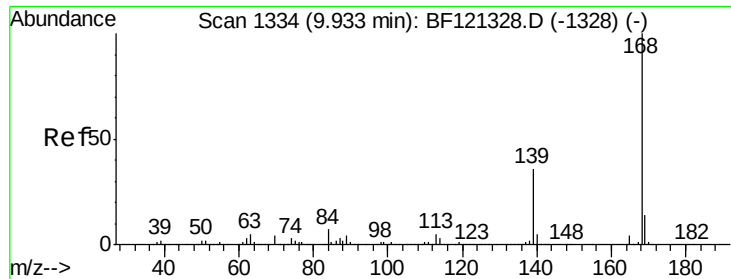
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.0	4.6
164	10.2	8.4	12.6



#51
2,6-Dinitrotoluene
Concen: 8.343 ng
RT: 9.73 min Scan# 1299
Delta R.T. 0.21 min
Lab File: BF121431.D
Acq: 25 Aug 2020 17:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	38.5	57.7#
89	1.6	41.2	61.8#

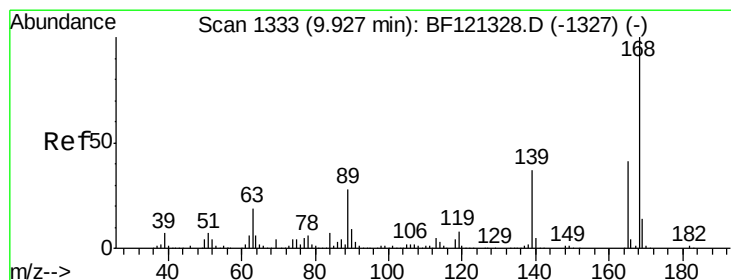
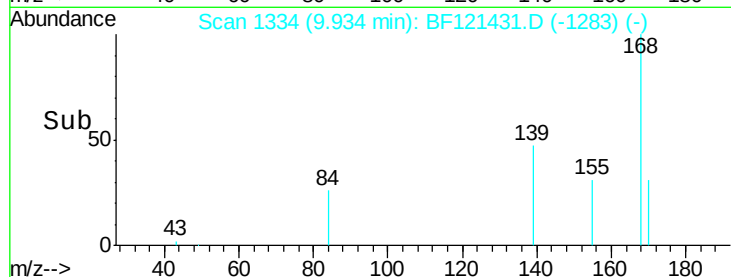
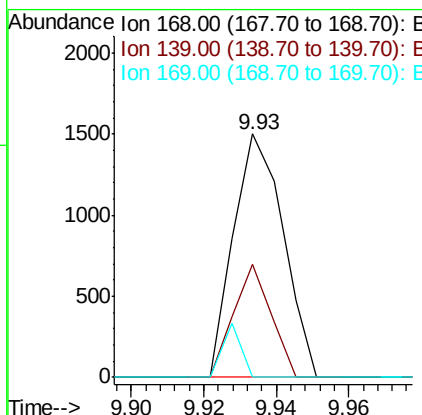
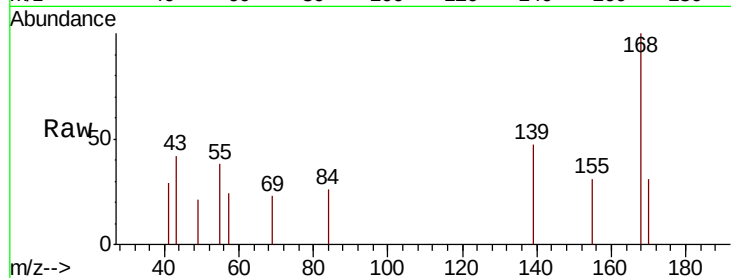




#55
Dibenzofuran
Concen: Below Cal
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF121431.D
Acq: 25 Aug 2020 17:03

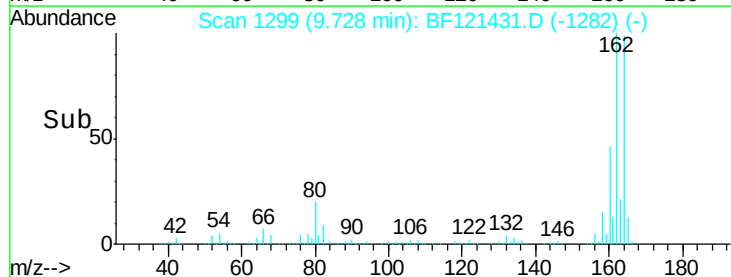
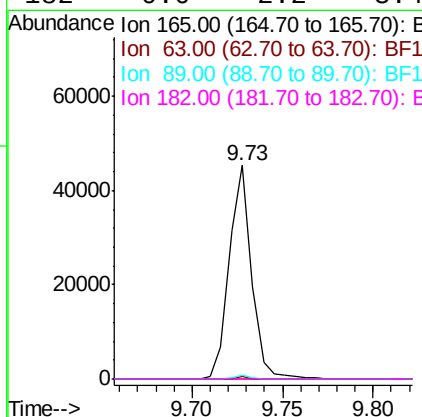
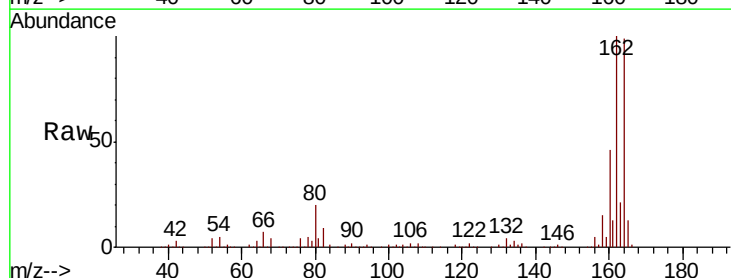
Instrument :
BNA_F
ClientSampleId :
RO-11

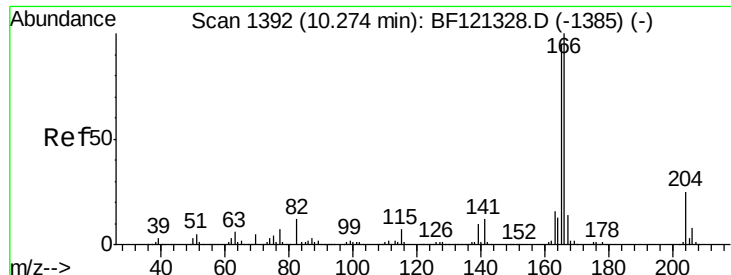
Tot Ion:168 Resp: 1427
Ion Ratio Lower Upper
168 100
139 46.6 29.1 43.7#
169 0.0 11.0 16.6#



#57
2,4-Dinitrotoluene
Concen: 6.839 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.20 min
Lab File: BF121431.D
Acq: 25 Aug 2020 17:03

Tgt Ion:165 Resp: 39038
Ion Ratio Lower Upper
165 100
63 1.1 37.5 56.3#
89 1.6 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: BF121431.D

Acq: 25 Aug 2020 17:03

Instrument :

BNA_F

ClientSampleId :

RO-11

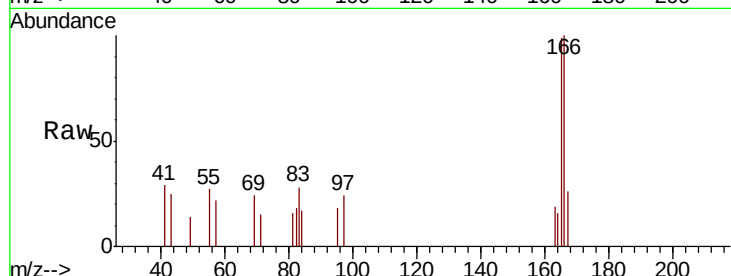
Tot Ion:166 Resp: 2420

Ion Ratio Lower Upper

166 100

165 99.3 75.8 113.8

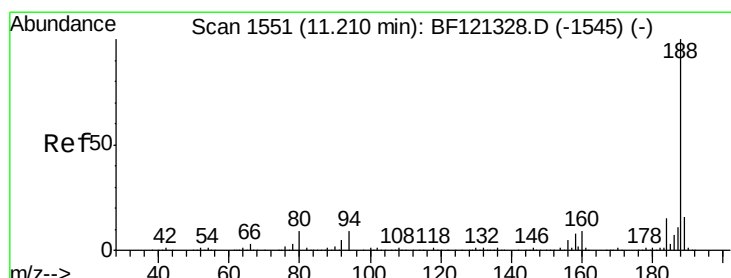
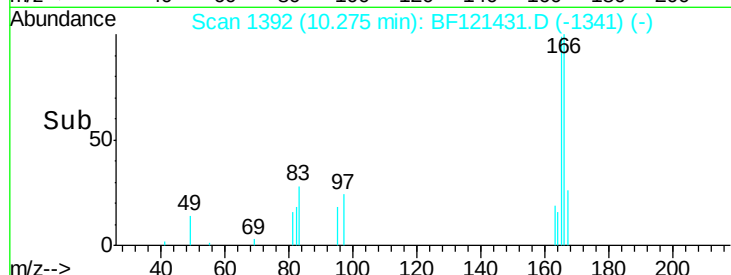
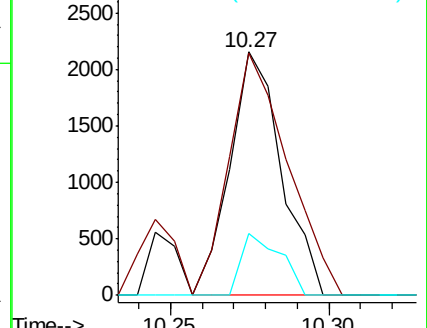
167 25.6 11.0 16.4#



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: BF121431.D

Acq: 25 Aug 2020 17:03

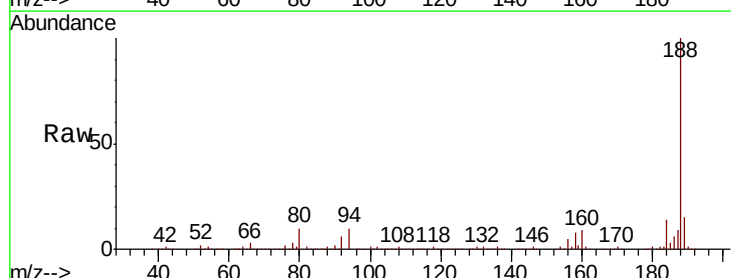
Tgt Ion:188 Resp: 592824

Ion Ratio Lower Upper

188 100

94 9.8 7.2 10.8

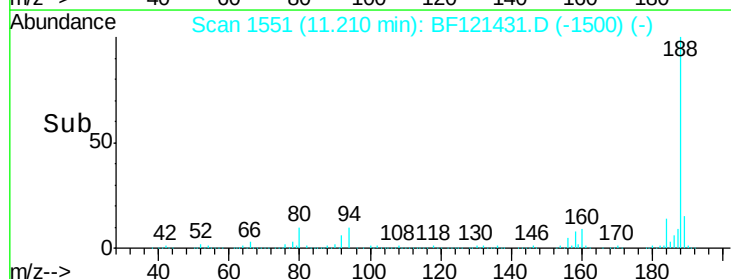
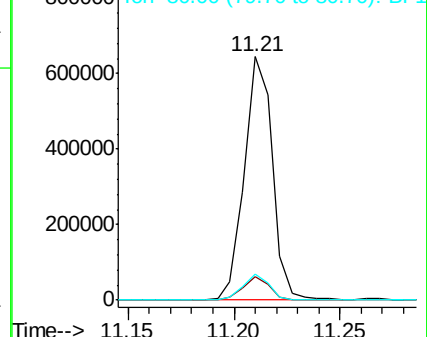
80 10.4 7.4 11.0

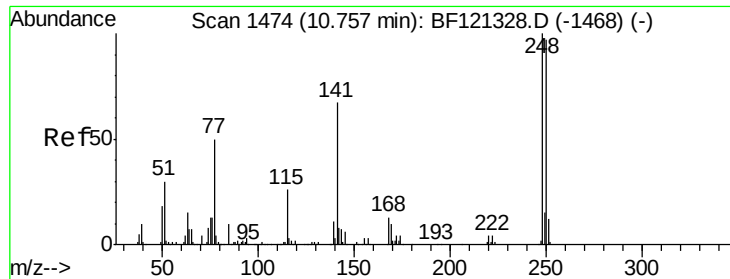


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

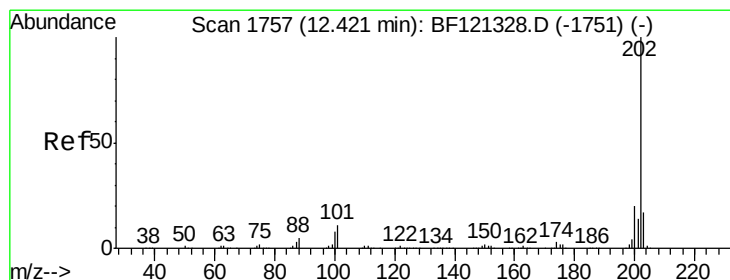
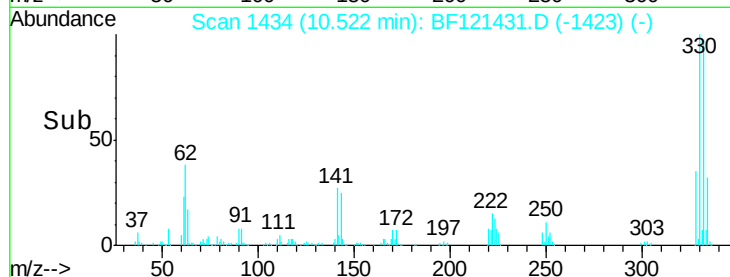
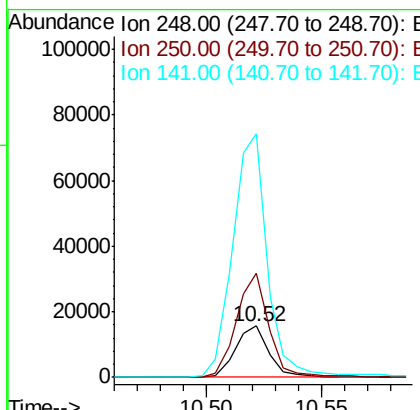
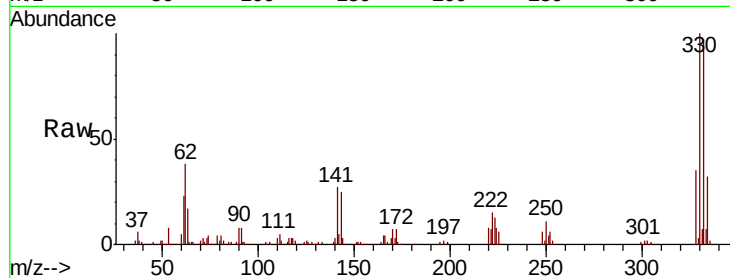




#67
 4-Bromophenyl-phenylether
 Concen: 2.373 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.24 min
 Lab File: BF121431.D
 Acq: 25 Aug 2020 17:03

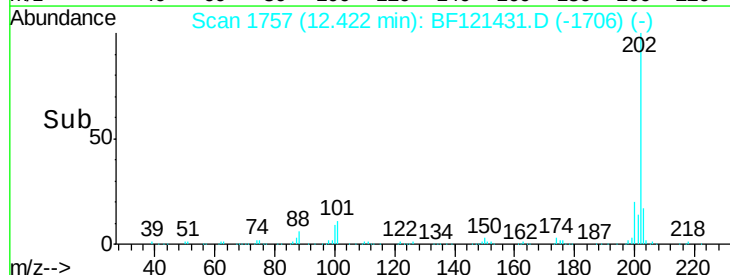
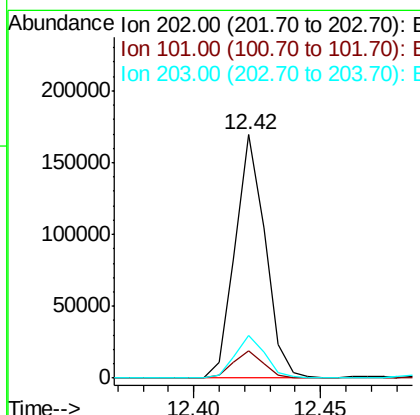
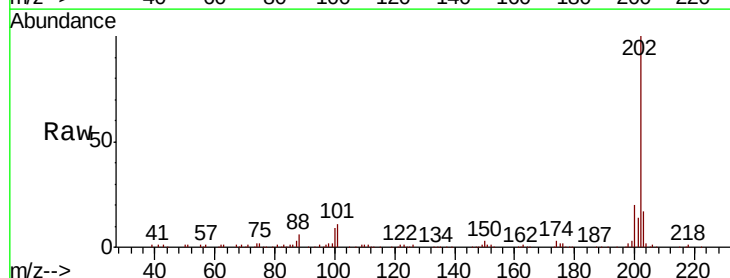
Instrument :
 BNA_F
 ClientSampled :
 RO-11

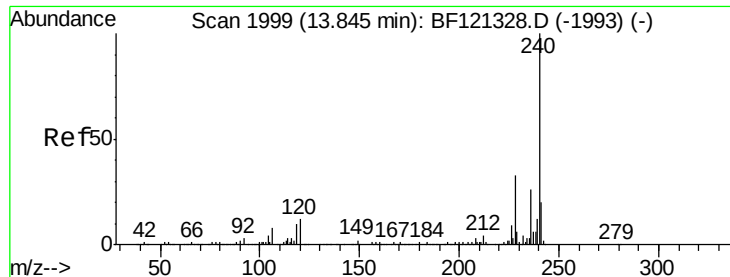
Tot Ion:248 Resp: 15607
 Ion Ratio Lower Upper
 248 100
 250 204.5 77.9 116.9#
 141 476.1 53.5 80.3#



#75
 Fluoranthene
 Concen: 4.229 ng
 RT: 12.42 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: BF121431.D
 Acq: 25 Aug 2020 17:03

Tgt Ion:202 Resp: 140822
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 30.6
 203 17.4 0.0 37.5

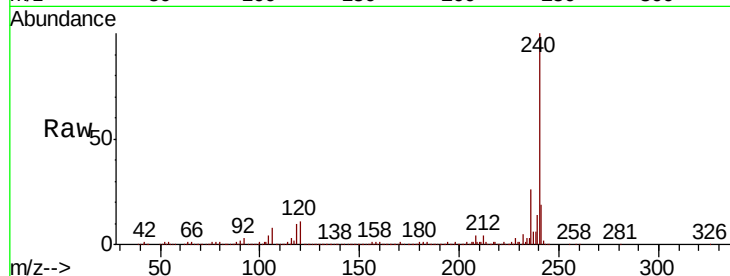




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.85 min Scan# 2000
Delta R.T. 0.01 min
Lab File: BF121431.D
Acq: 25 Aug 2020 17:03

Instrument :
BNA_F
ClientSampleId :
RO-11

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.6	14.4
236	26.4	20.6	31.0

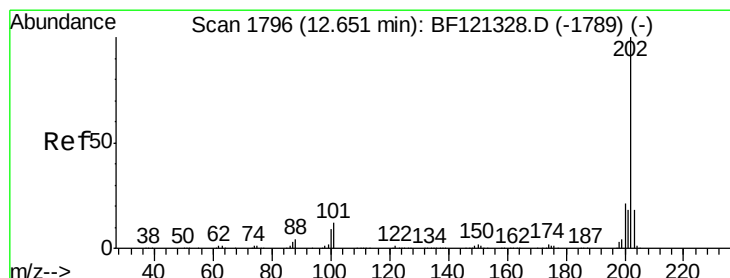
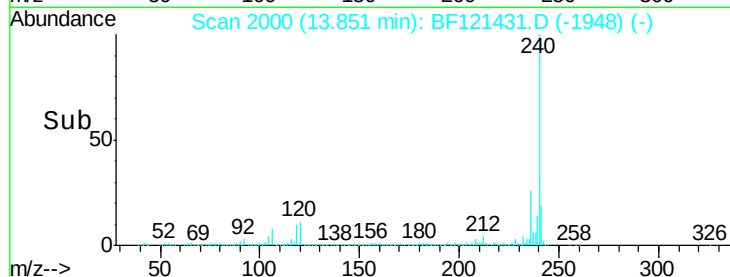
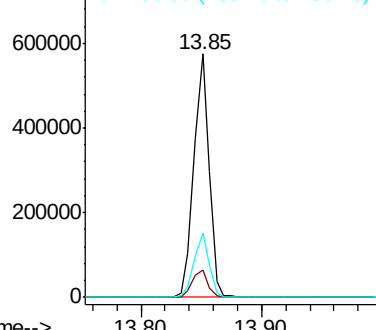


Abundance

Ion 240.00 (239.70 to 240.70): E

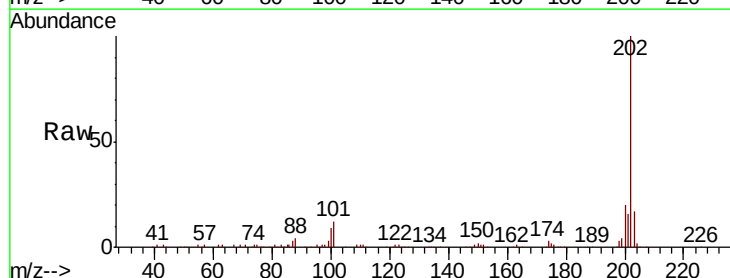
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 3.653 ng
RT: 12.65 min Scan# 1796
Delta R.T. 0.00 min
Lab File: BF121431.D
Acq: 25 Aug 2020 17:03

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.6	24.8
203	17.1	14.2	21.2

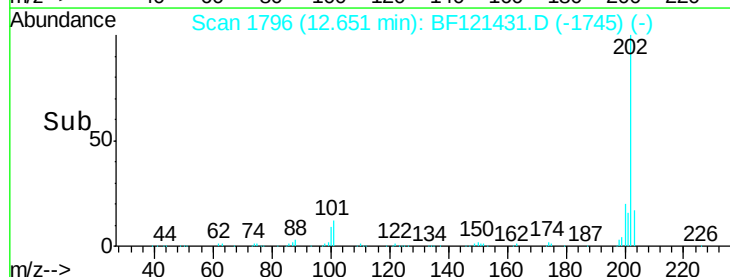
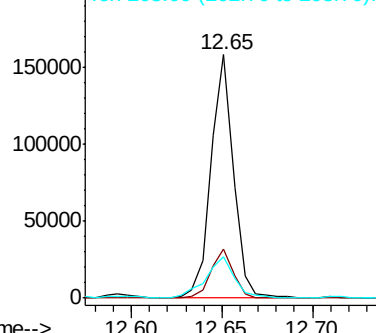


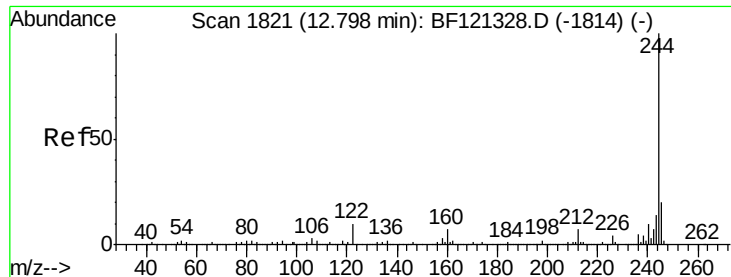
Abundance

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

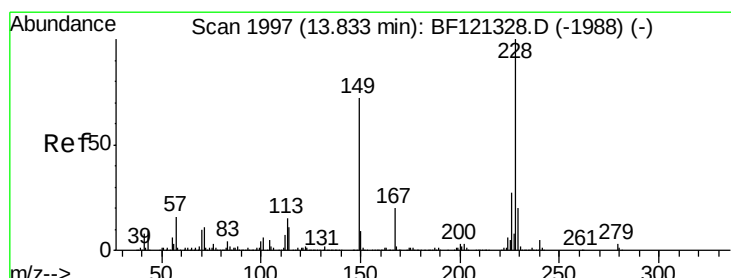
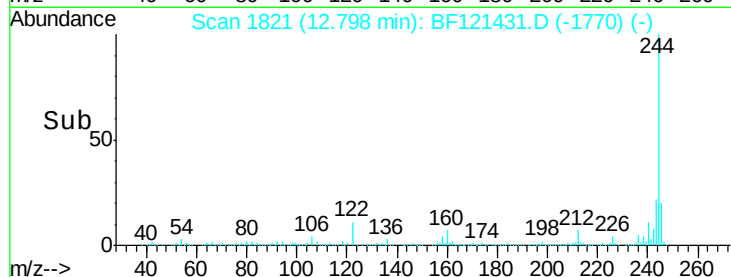
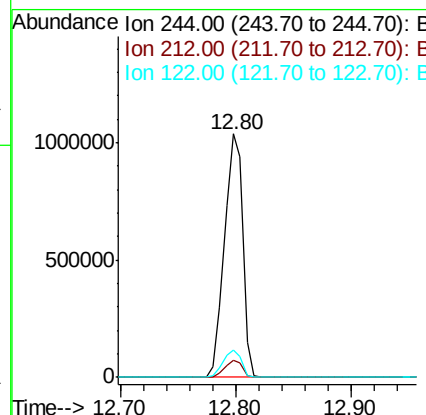
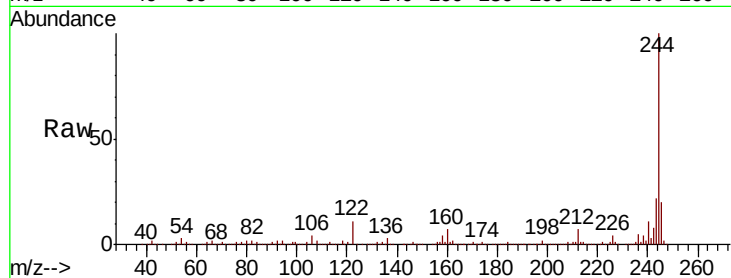




#79
 Terphenyl-d14
 Concen: 44.570 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: BF121431.D
 Acq: 25 Aug 2020 17:03

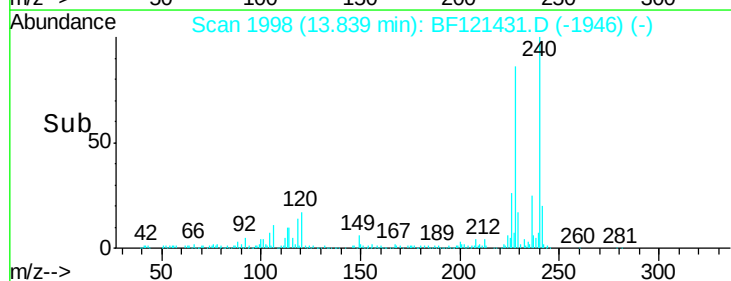
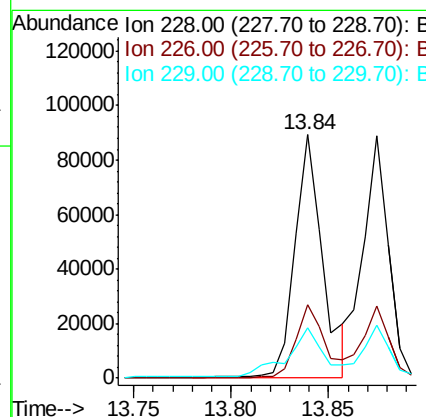
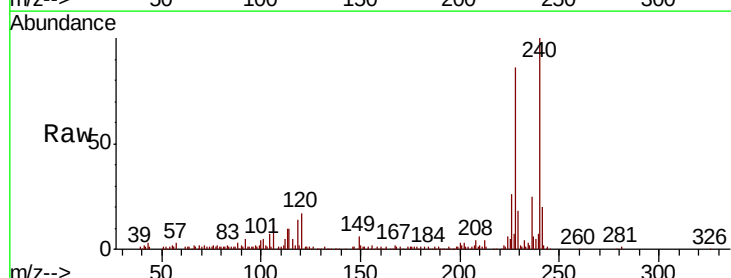
Instrument :
 BNA_F
 ClientSampled :
 RO-11

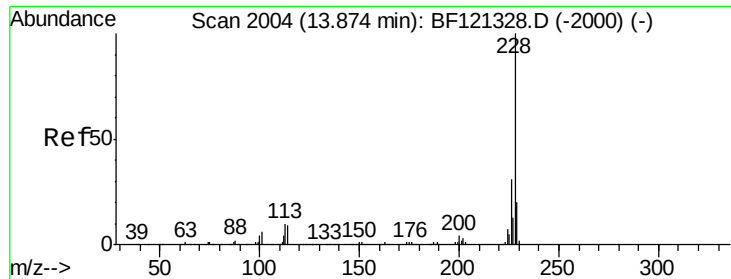
Tot Ion:244 Resp: 1139228
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 11.4 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 2.876 ng
 RT: 13.84 min Scan# 1998
 Delta R.T. 0.01 min
 Lab File: BF121431.D
 Acq: 25 Aug 2020 17:03

Tgt Ion:228 Resp: 89220
 Ion Ratio Lower Upper
 228 100
 226 30.3 21.8 32.6
 229 20.5 15.8 23.8

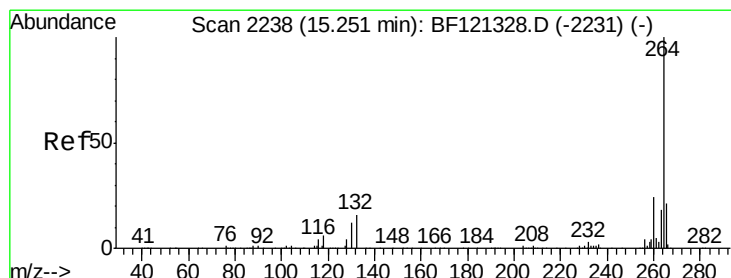
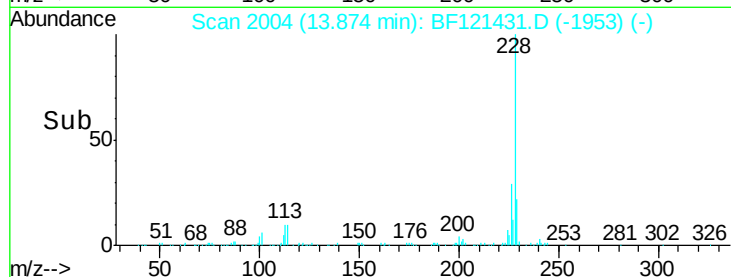
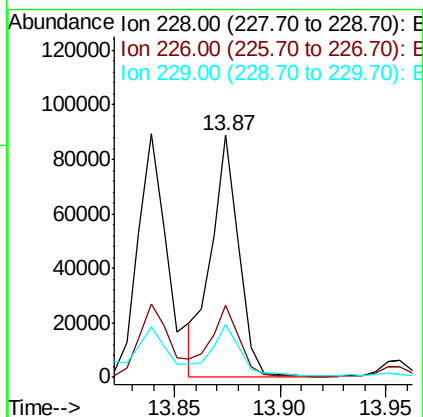
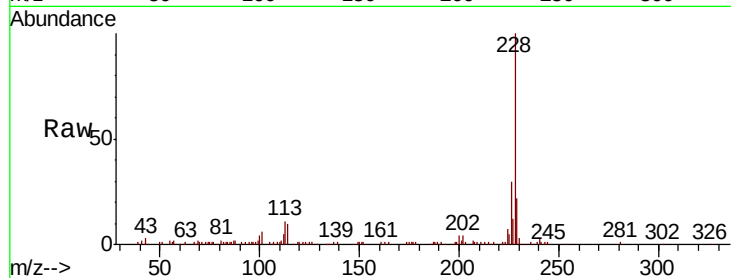




#83
Chrysene
Concen: 2.584 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BF121431.D
Acq: 25 Aug 2020 17:03

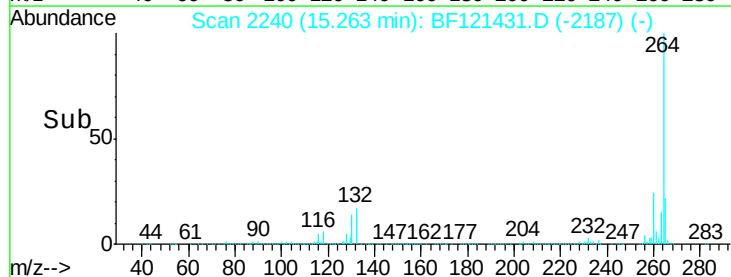
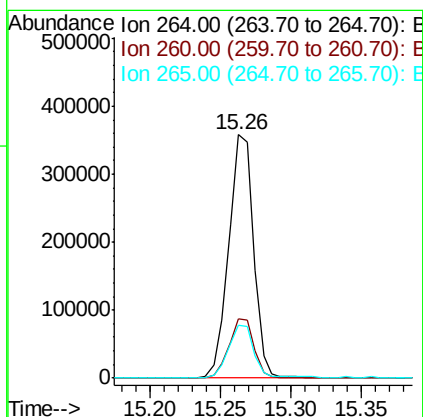
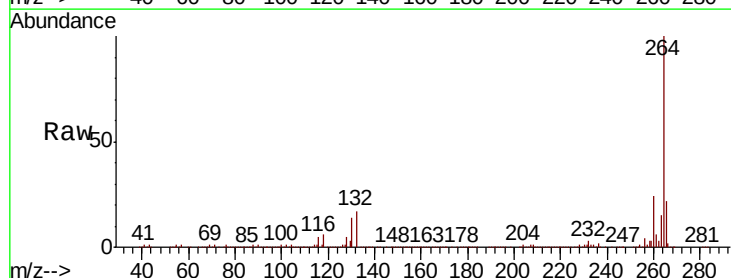
Instrument :
BNA_F
ClientSampled :
RO-11

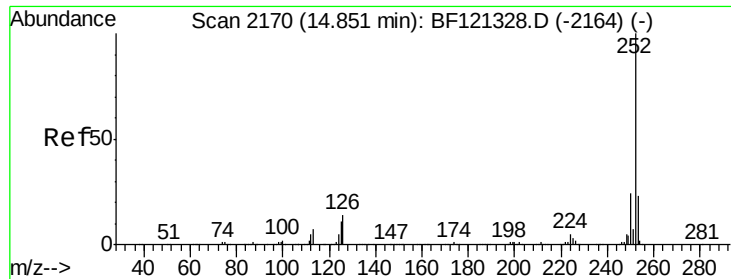
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.6	36.8
229	22.1	15.9	23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF121431.D
Acq: 25 Aug 2020 17:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	21.9	17.1	25.7

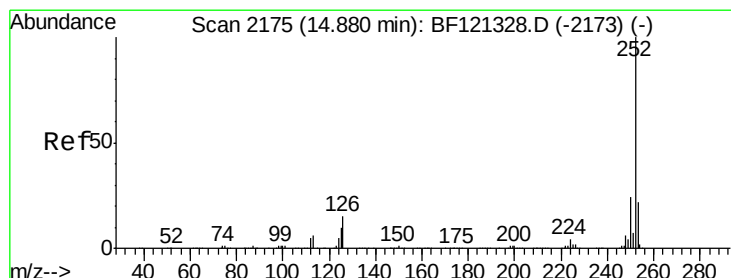
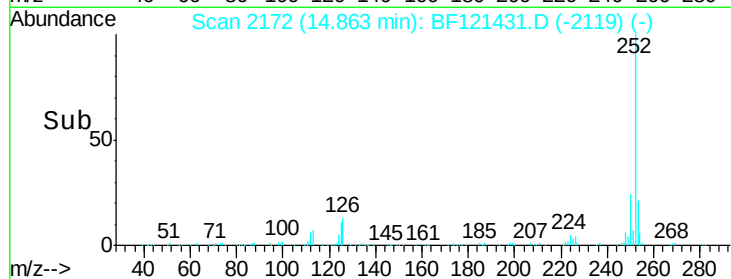
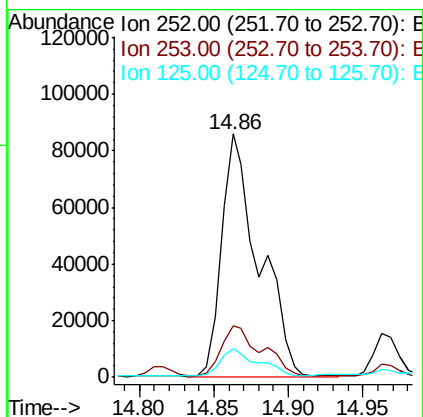
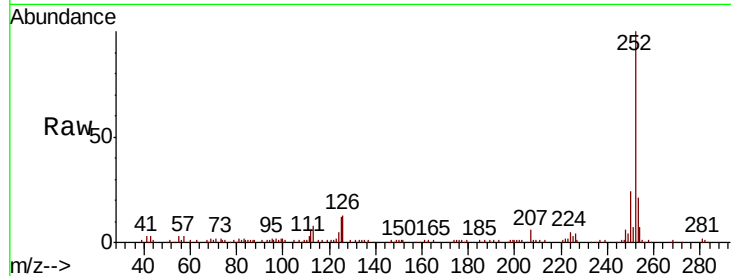




#88
Benzo(b)fluoranthene
Concen: 5.255 ng
RT: 14.86 min Scan# 2172
Delta R.T. 0.01 min
Lab File: BF121431.D
Acq: 25 Aug 2020 17:03

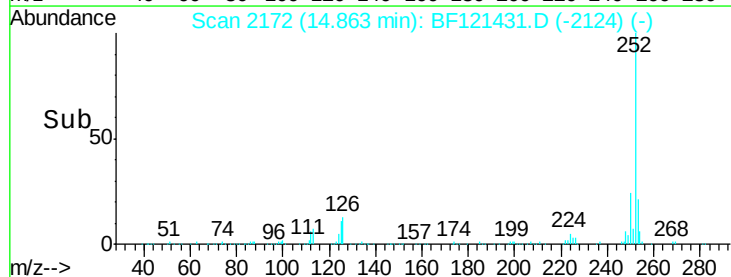
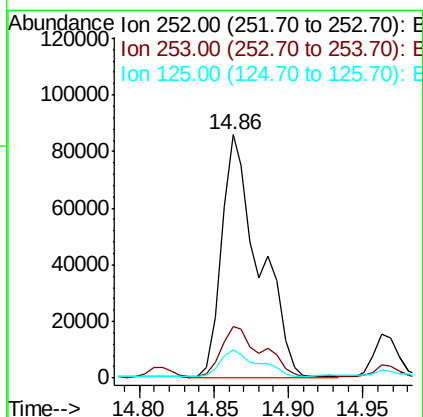
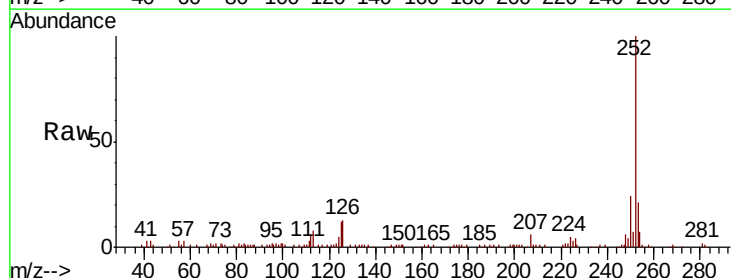
Instrument :
BNA_F
ClientSampleId :
RO-11

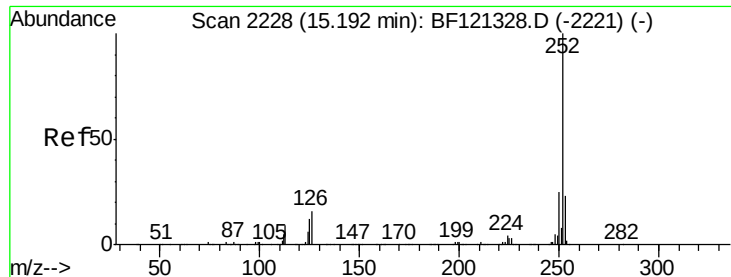
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.0	27.0
125	11.8	8.6	12.8



#89
Benzo(k)fluoranthene
Concen: 5.970 ng
RT: 14.86 min Scan# 2172
Delta R.T. -0.02 min
Lab File: BF121431.D
Acq: 25 Aug 2020 17:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.9	26.9
125	11.8	8.6	12.8

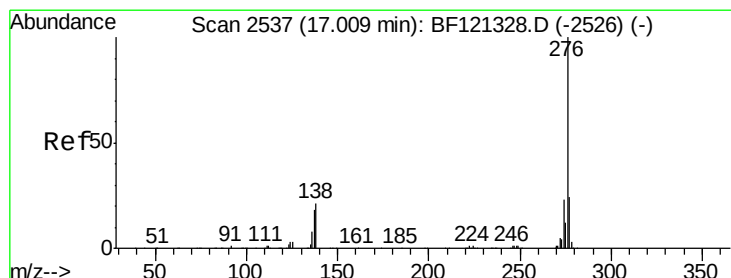
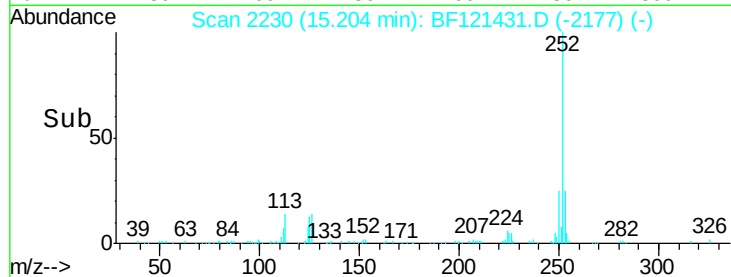
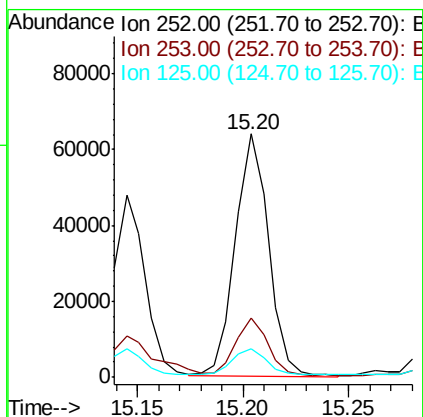
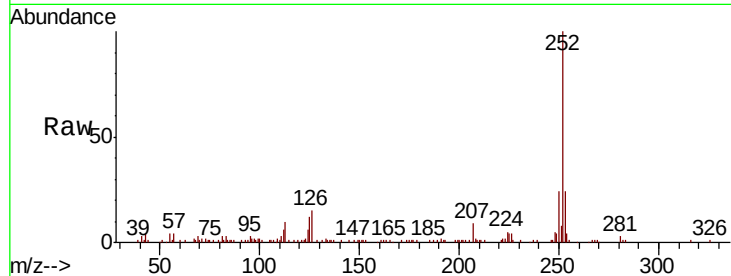




#90
Benzo(a)pyrene
Concen: 2.844 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.01 min
Lab File: BF121431.D
Acq: 25 Aug 2020 17:03

Instrument :
BNA_F
ClientSampleId :
RO-11

Tot Ion:252 Resp: 70019
Ion Ratio Lower Upper
252 100
253 24.5 18.0 27.0
125 11.7 9.4 14.0



#92
Benzo(g,h,i)perylene
Concen: 2.181 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.03 min
Lab File: BF121431.D
Acq: 25 Aug 2020 17:03

Tgt Ion:276 Resp: 47074
Ion Ratio Lower Upper
276 100
277 24.5 19.3 28.9
138 23.1 16.8 25.2

