

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
 Data File : BF121794.D
 Acq On : 2 Oct 2020 15:09
 Operator : JU/CG
 Sample : L4198-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-20

Quant Time: Oct 02 16:01:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

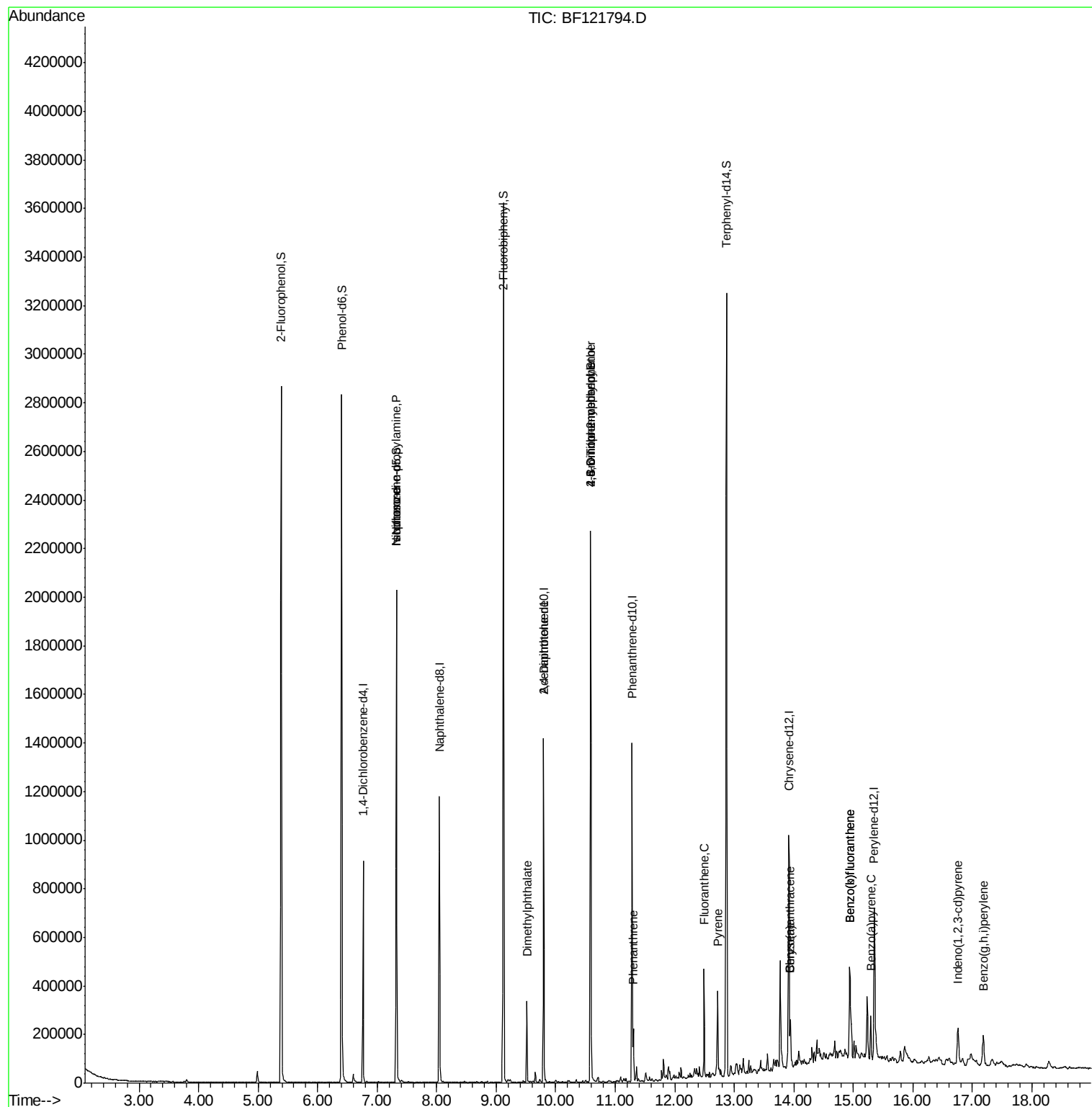
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	137129	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	533531	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	266590	20.00	ng	-0.01
64) Phenanthrene-d10	11.28	188	462455	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	289701	20.00	ng	-0.02
86) Perylene-d12	15.35	264	271708	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	764804	82.89	ng	0.00
7) Phenol-d6	6.40	99	972992	80.38	ng	-0.01
23) Nitrobenzene-d5	7.33	82	678220	68.25	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	279805	84.45	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1164161	66.14	ng	-0.01
79) Terphenyl-d14	12.87	244	988253	69.11	ng	-0.01
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.33	70	89639	12.848	ng	# 79
25) Isophorone	7.33	82	672957	33.643	ng	# 67
50) Dimethylphthalate	9.52	163	127650	6.606	ng	100
57) 2,4-Dinitrotoluene	9.80	165	34007	6.569	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.59	198	465	6.993	ng	# 1
67) 4-Bromophenyl-phenylether	10.59	248	16583	3.150	ng	# 1
71) Phenanthrene	11.30	178	70443	2.796	ng	98
75) Fluoranthene	12.49	202	155081	5.766	ng	99
78) Pyrene	12.72	202	136187	6.434	ng	96
81) Benzo(a)anthracene	13.95	228	94103	5.134	ng	96
83) Chrysene	13.95	228	94103	5.070	ng	97
87) Indeno(1,2,3-cd)pyrene	16.76	276	87591	4.950	ng	95
88) Benzo(b)fluoranthene	14.94	252	238333	13.121	ng	98
89) Benzo(k)fluoranthene	14.94	252	238333	14.328	ng	# 98
90) Benzo(a)pyrene	15.29	252	81829	5.300	ng	97
92) Benzo(g,h,i)perylene	17.19	276	92122	6.363	ng	100

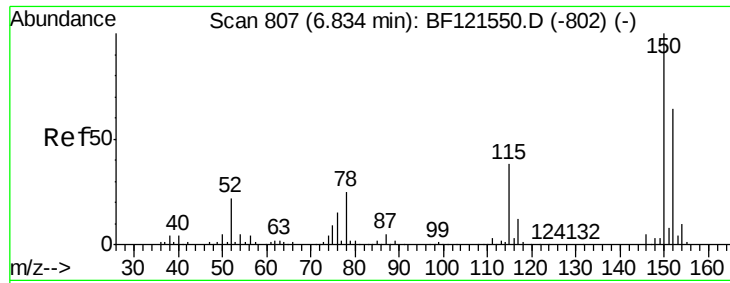
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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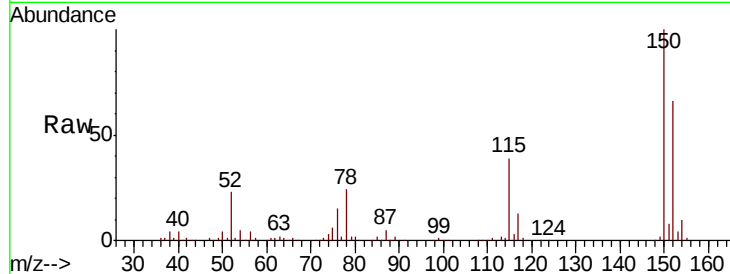


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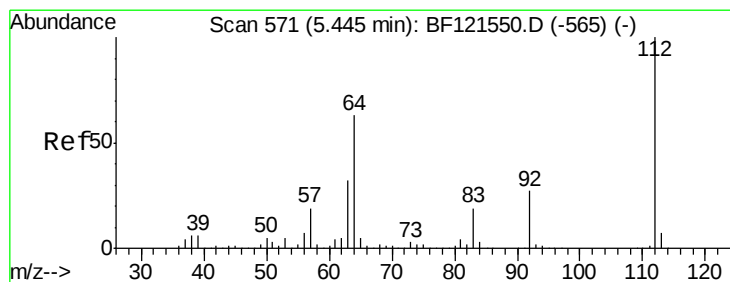
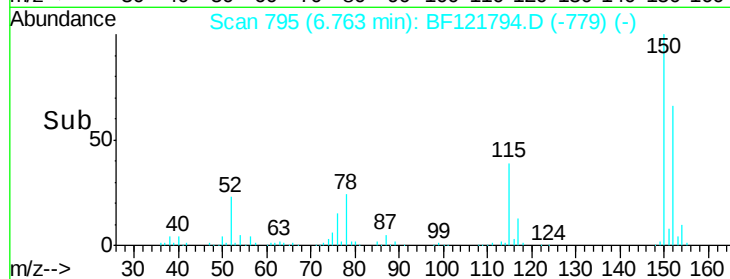
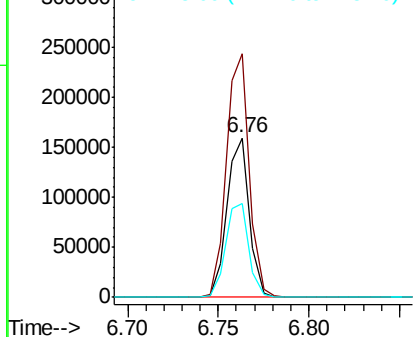
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121794.D
Acq: 2 Oct 2020 15:09

Instrument :
BNA_F
ClientSampleId :
RO-20

Tot Ion:152 Resp: 137129
Ion Ratio Lower Upper
152 100
150 152.5 125.3 187.9
115 58.7 51.9 77.9



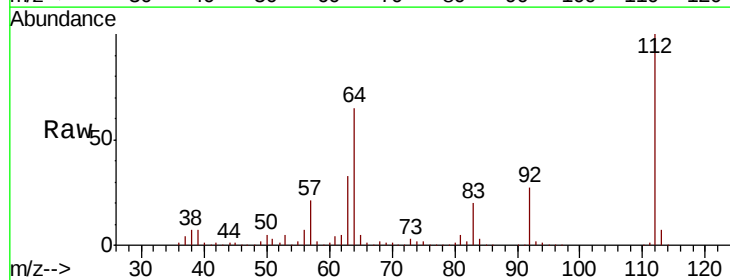
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



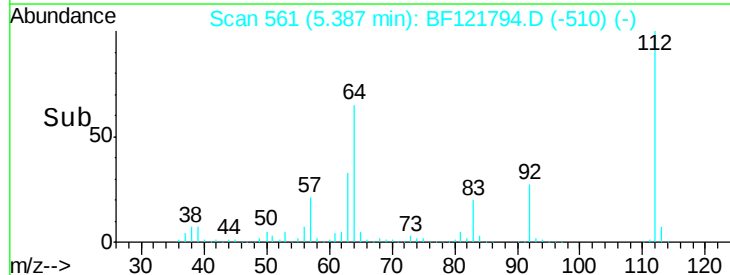
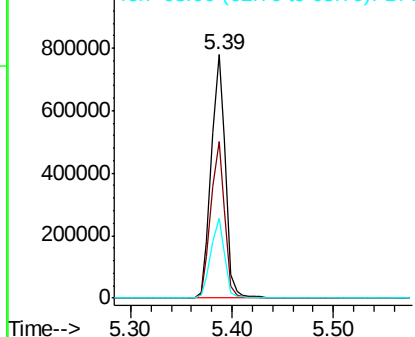
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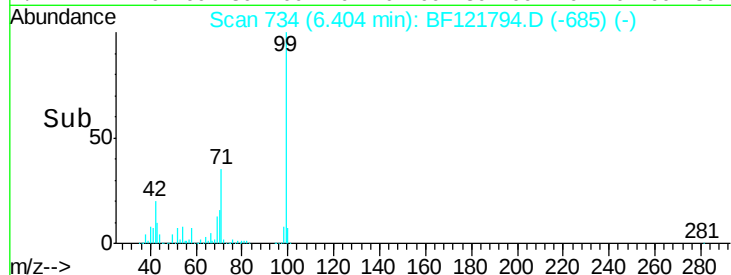
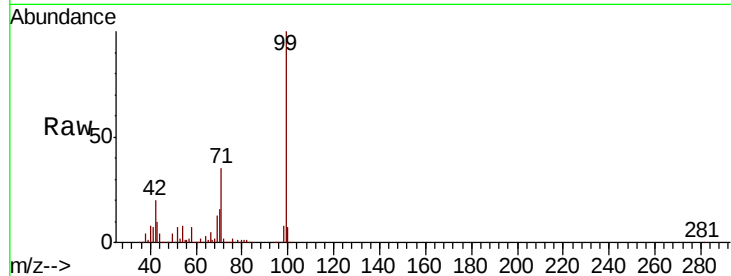
2-Fluorophenol
Concen: 82.885 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF121794.D
Acq: 2 Oct 2020 15:09

Tgt Ion:112 Resp: 764804
Ion Ratio Lower Upper
112 100
64 64.5 50.4 75.6
63 32.9 25.8 38.6



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: 80.375 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121794.D

Acq: 2 Oct 2020 15:09

Instrument :

BNA_F

ClientSampleId :

RO-20

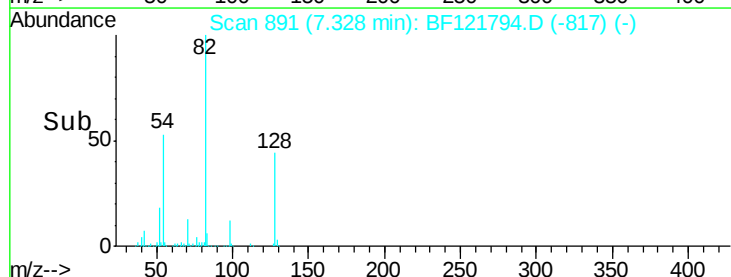
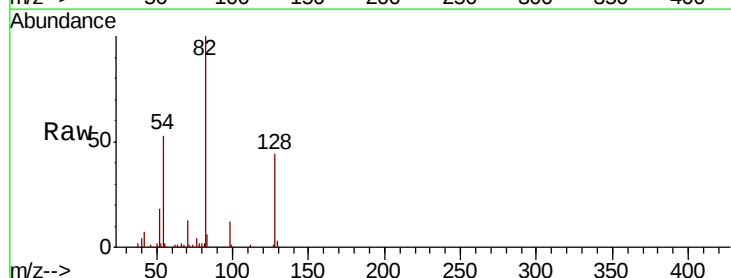
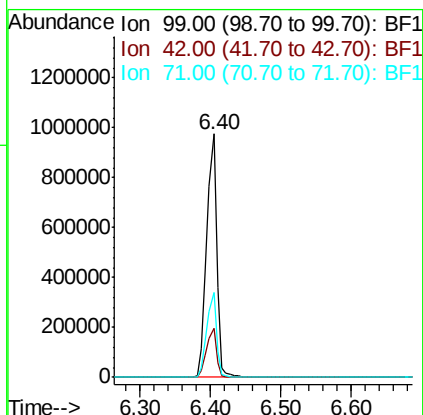
Tot Ion: 99 Resp: 972992

Ion Ratio Lower Upper

99 100

42 20.1 15.9 23.9

71 34.8 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 12.848 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.14 min

Lab File: BF121794.D

Acq: 2 Oct 2020 15:09

Tgt Ion: 70 Resp: 89639

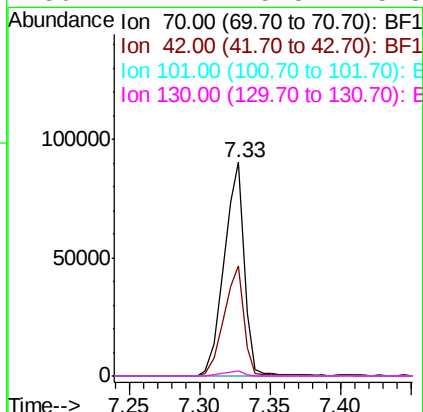
Ion Ratio Lower Upper

70 100

42 51.5 50.2 75.4

101 0.0 7.5 11.3#

130 2.2 15.5 23.3#

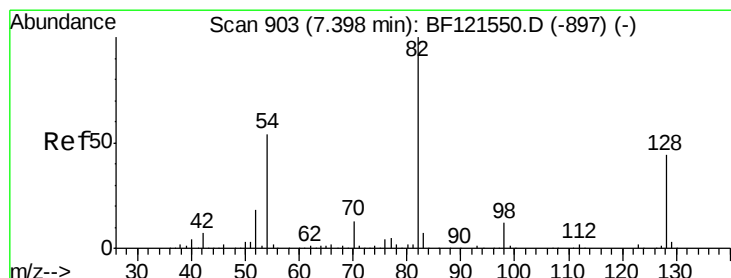
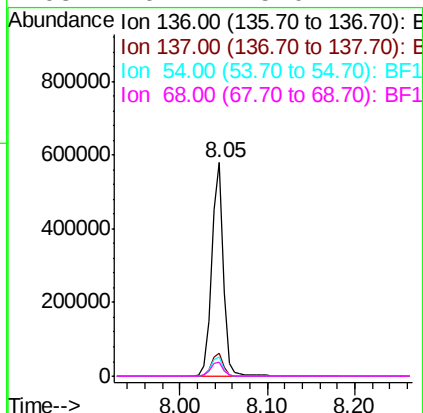
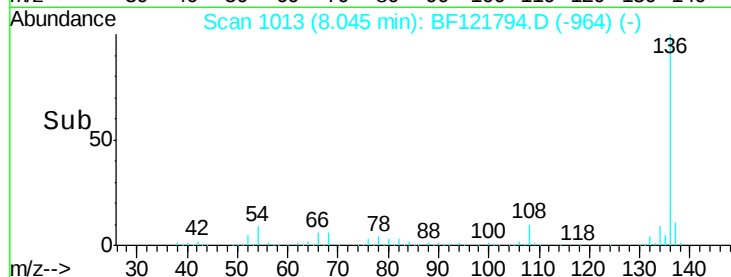
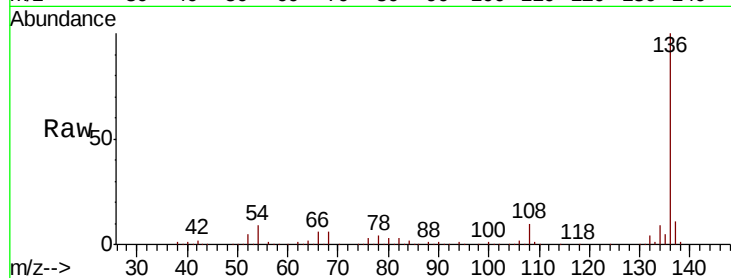




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF121794.D
Acq: 2 Oct 2020 15:09

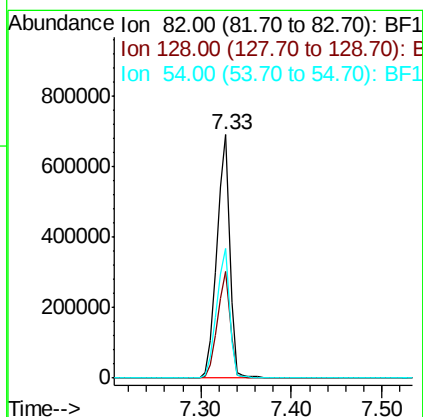
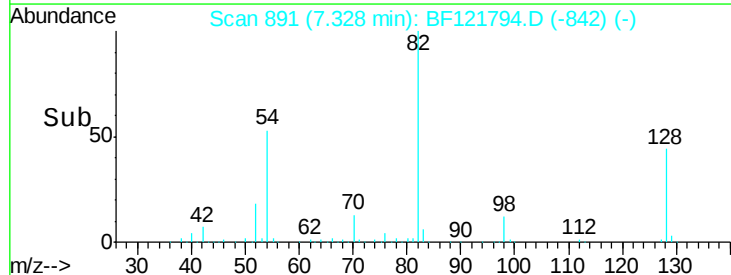
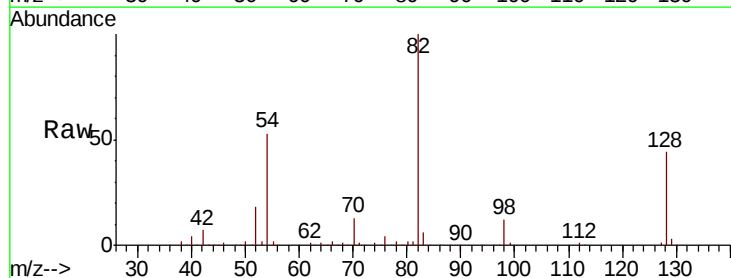
Instrument :
BNA_F
ClientSampleId :
RO-20

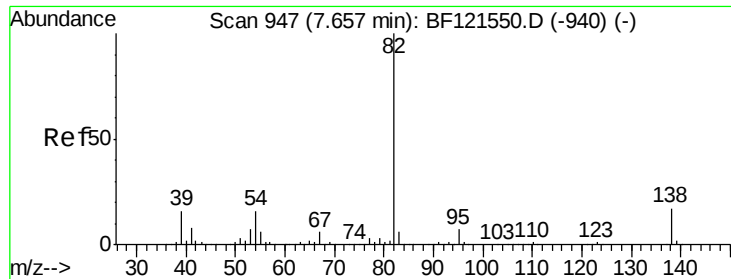
Tot Ion:136 Resp: 533531
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.8 7.1 10.7
68 6.4 5.0 7.4



#23
Nitrobenzene-d5
Concen: 68.253 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121794.D
Acq: 2 Oct 2020 15:09

Tgt Ion: 82 Resp: 678220
Ion Ratio Lower Upper
82 100
128 43.6 35.0 52.4
54 53.1 43.9 65.9

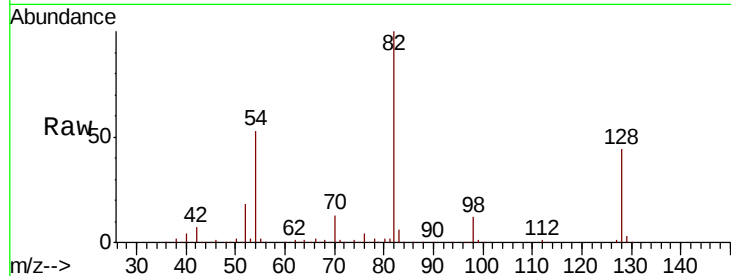




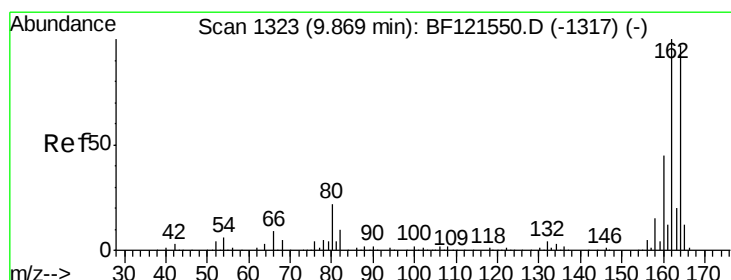
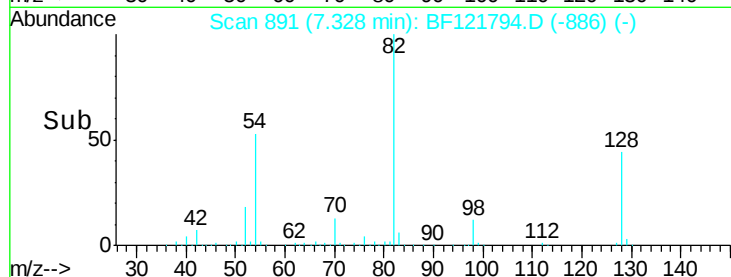
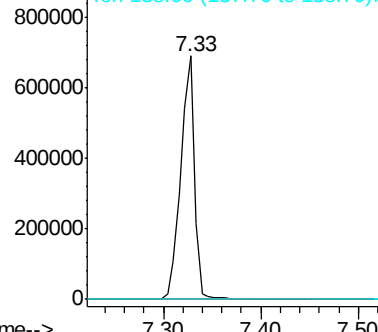
#25
Isophorone
Concen: 33.643 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.27 min
Lab File: BF121794.D
Acq: 2 Oct 2020 15:09

Instrument :
BNA_F
ClientSampleId :
RO-20

Tot Ion: 82 Resp: 672957
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#

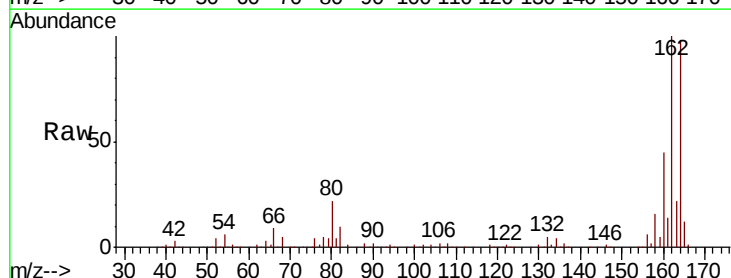


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

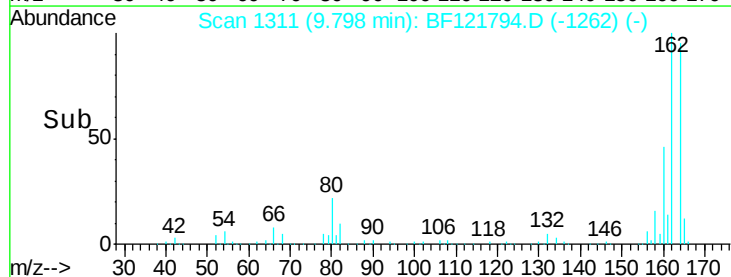
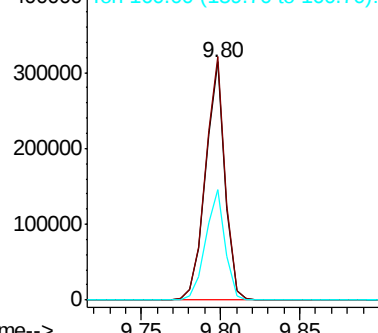


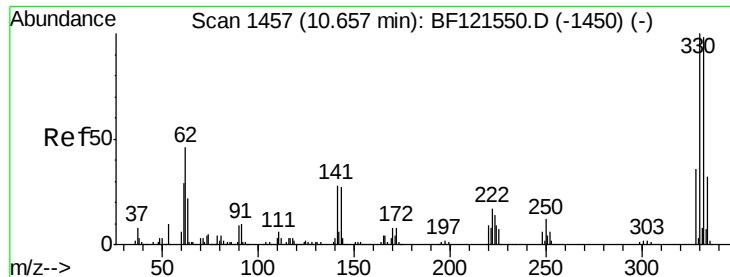
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF121794.D
Acq: 2 Oct 2020 15:09

Tgt Ion: 164 Resp: 266590
Ion Ratio Lower Upper
164 100
162 102.3 83.2 124.8
160 46.5 37.5 56.3



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

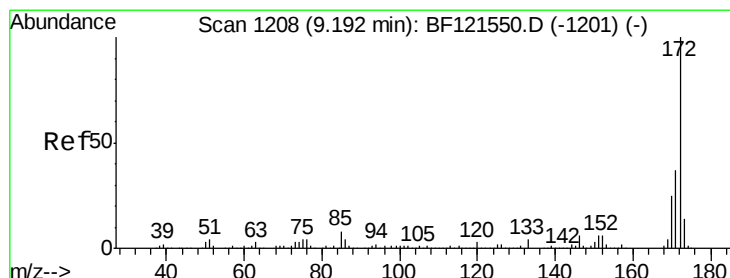
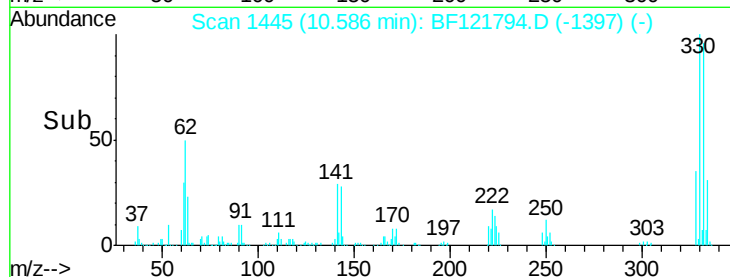
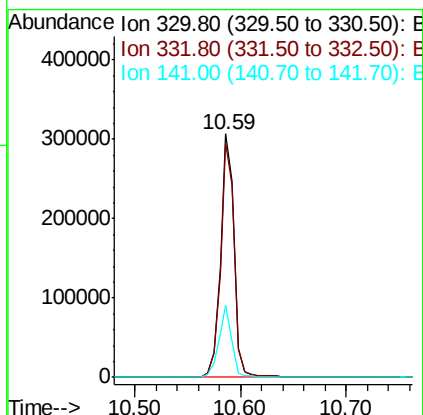
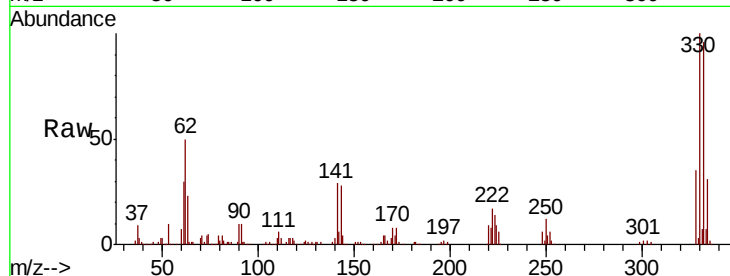




#42
 2,4,6-Tribromophenol
 Concen: 84.448 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.02 min
 Lab File: BF121794.D
 Acq: 2 Oct 2020 15:09

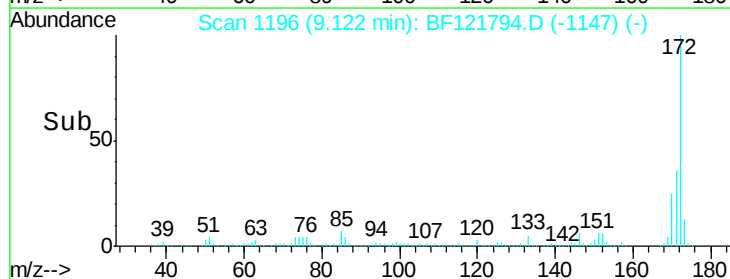
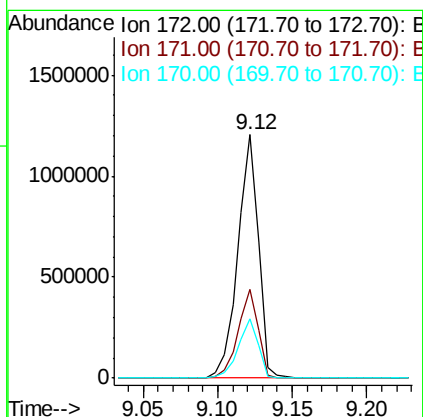
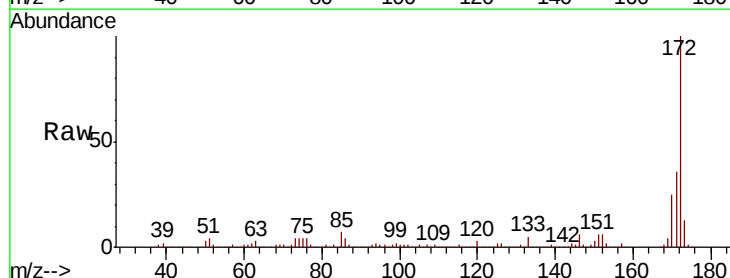
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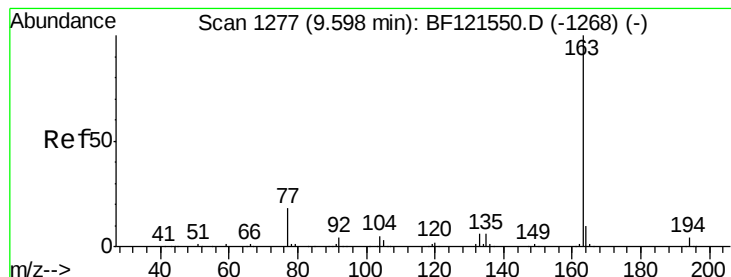
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.3	115.9
141	28.5	22.3	33.5



#45
 2-Fluorobiphenyl
 Concen: 66.137 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF121794.D
 Acq: 2 Oct 2020 15:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.1	43.7
170	24.6	19.8	29.6





#50

Dimethylphthalate

Concen: 6.606 ng

RT: 9.52 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BF121794.D

Acq: 2 Oct 2020 15:09

Instrument :

BNA_F

ClientSampleId :

RO-20

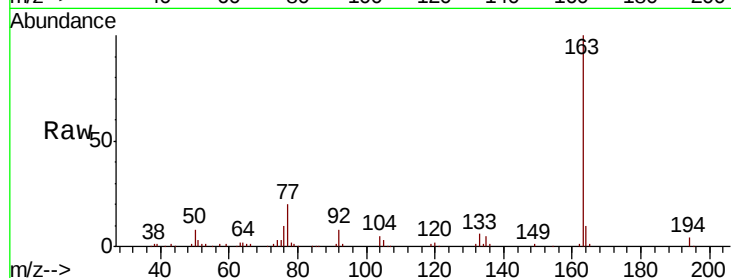
Tot Ion:163 Resp: 127650

Ion Ratio Lower Upper

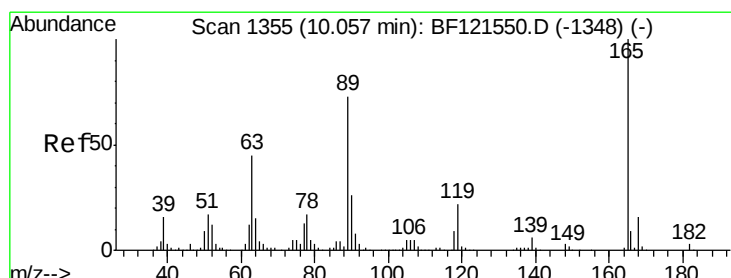
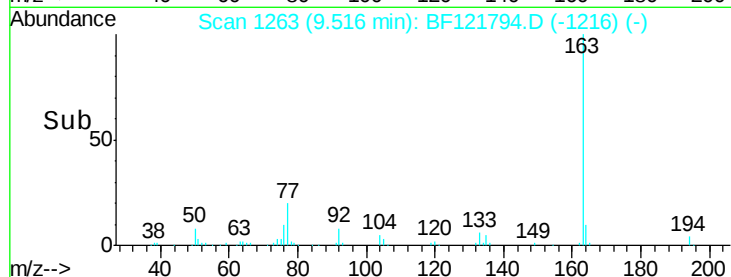
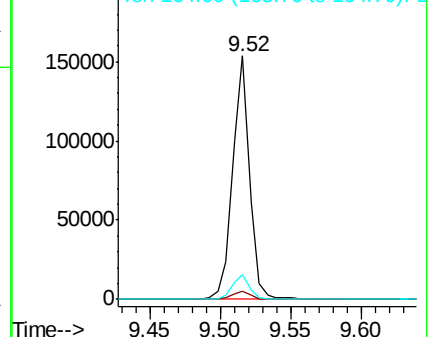
163 100

194 3.6 3.3 4.9

164 10.3 8.2 12.4



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



#57

2,4-Dinitrotoluene

Concen: 6.569 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.21 min

Lab File: BF121794.D

Acq: 2 Oct 2020 15:09

Tgt Ion:165 Resp: 34007

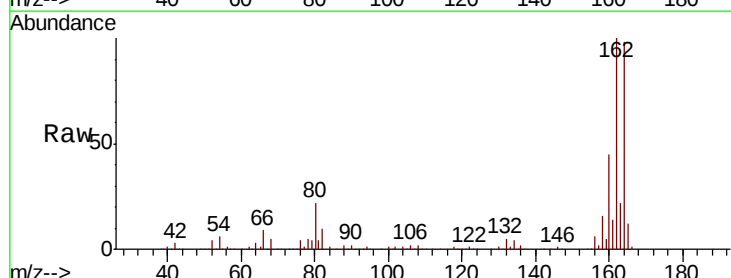
Ion Ratio Lower Upper

165 100

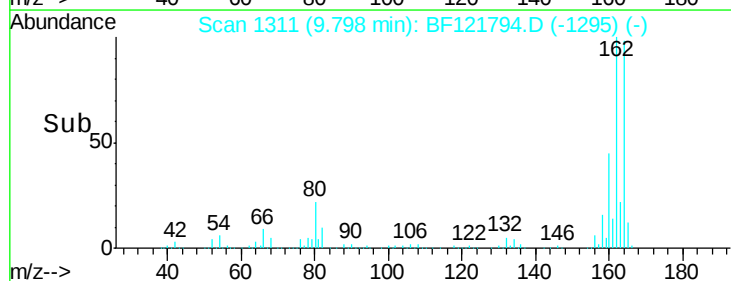
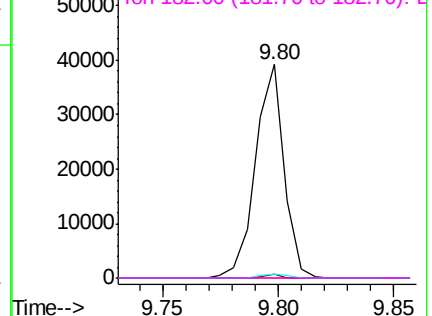
63 1.5 41.3 61.9#

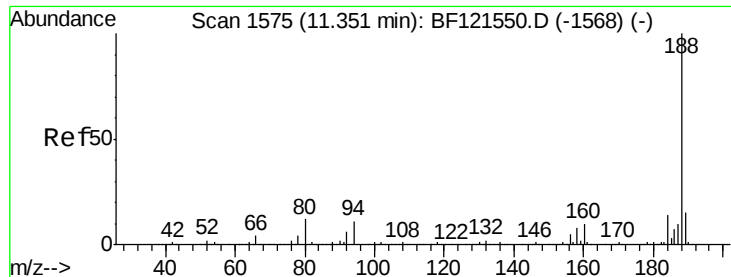
89 1.5 61.8 92.8#

182 0.0 2.1 3.1#



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
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.28 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BF121794.D

Acq: 2 Oct 2020 15:09

Instrument :

BNA_F

ClientSampleId :

RO-20

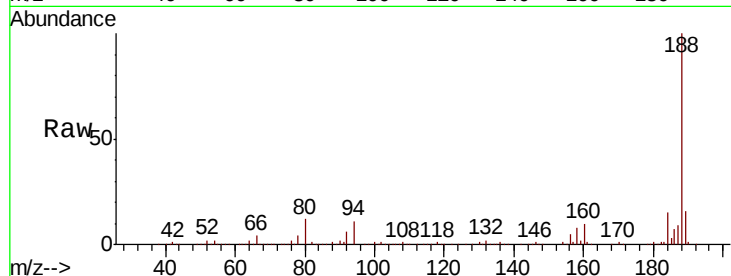
Tot Ion:188 Resp: 462455

Ion Ratio Lower Upper

188 100

94 10.9 8.3 12.5

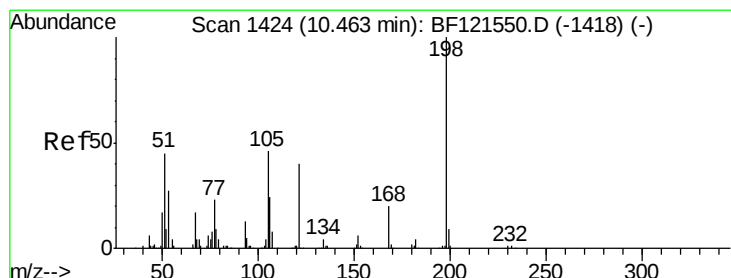
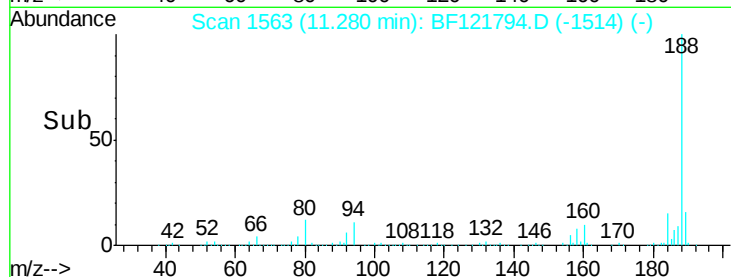
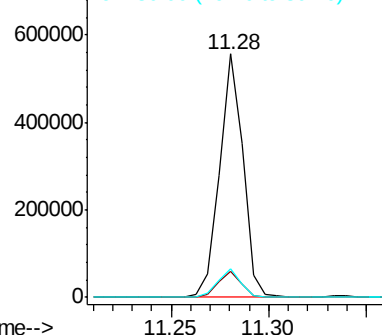
80 11.7 9.1 13.7



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



#65

4,6-Dinitro-2-methylphenol

Concen: 6.993 ng

RT: 10.59 min Scan# 1445

Delta R.T. 0.17 min

Lab File: BF121794.D

Acq: 2 Oct 2020 15:09

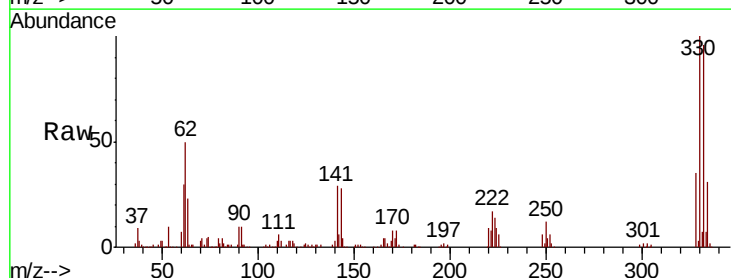
Tgt Ion:198 Resp: 465

Ion Ratio Lower Upper

198 100

51 216.5 29.6 69.6#

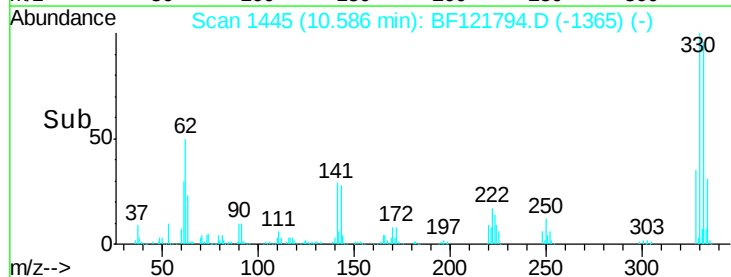
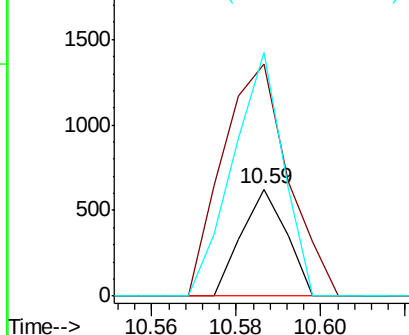
105 227.3 24.4 64.4#

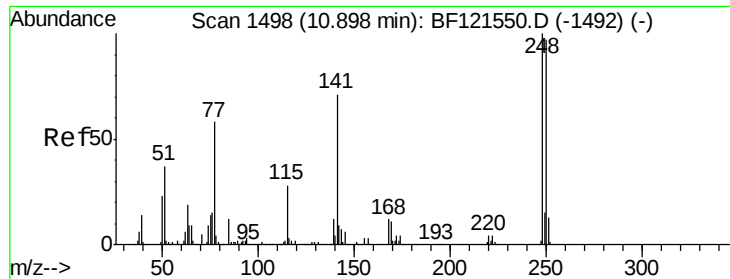


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

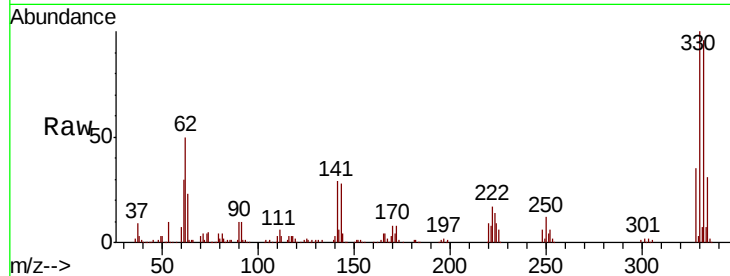




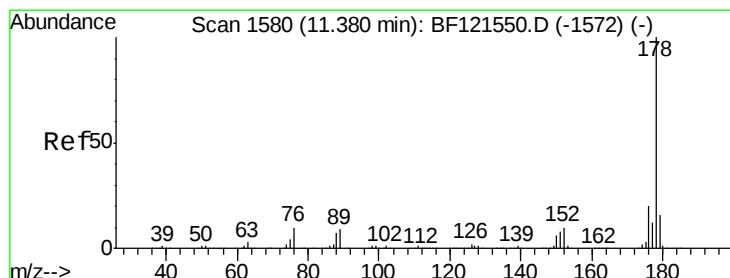
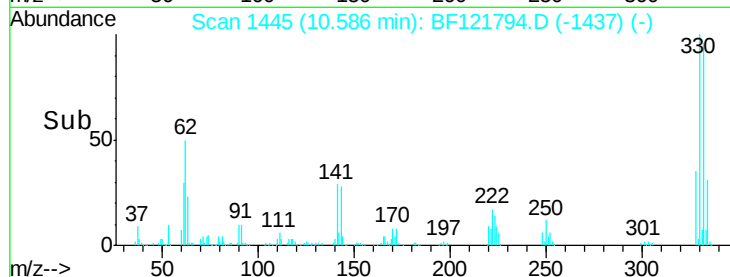
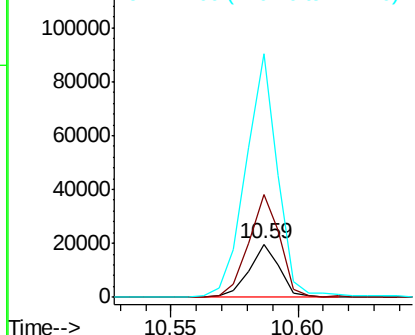
#67
 4-Bromophenyl-phenylether
 Concen: 3.150 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF121794.D
 Acq: 2 Oct 2020 15:09

Instrument :
 BNA_F
 ClientSampleId :
 RO-20

Tot Ion:248 Resp: 16583
 Ion Ratio Lower Upper
 248 100
 250 193.4 77.0 115.6#
 141 458.8 53.7 80.5#

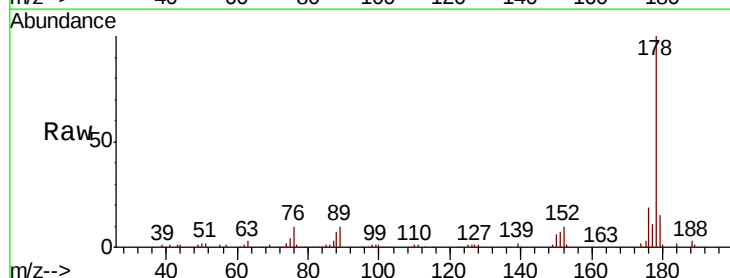


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

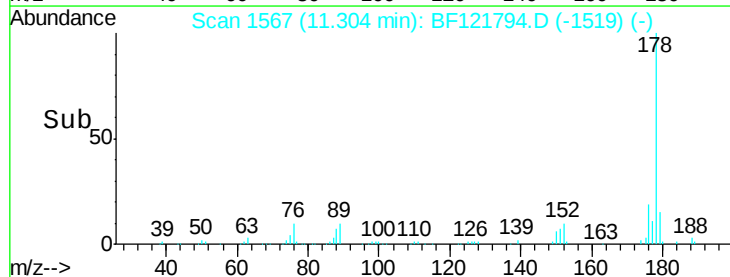
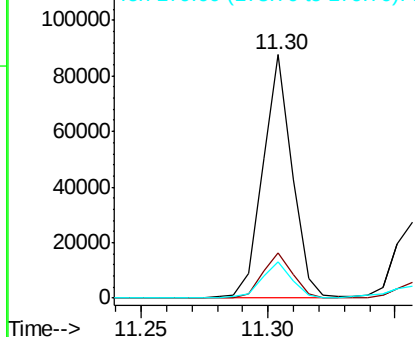


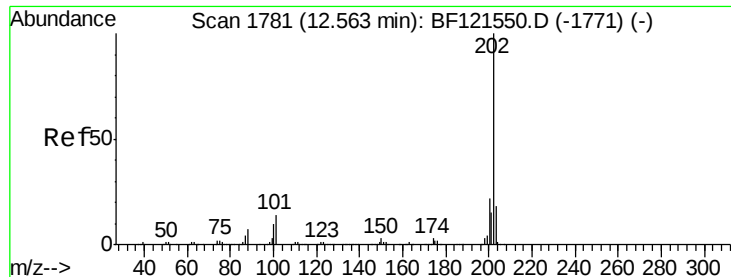
#71
 Phenanthrene
 Concen: 2.796 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: BF121794.D
 Acq: 2 Oct 2020 15:09

Tgt Ion:178 Resp: 70443
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.9 23.9
 179 14.9 12.2 18.4



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: 5.766 ng

RT: 12.49 min Scan# 1769

Delta R.T. -0.01 min

Lab File: BF121794.D

Acq: 2 Oct 2020 15:09

Instrument :

BNA_F

ClientSampled :

RO-20

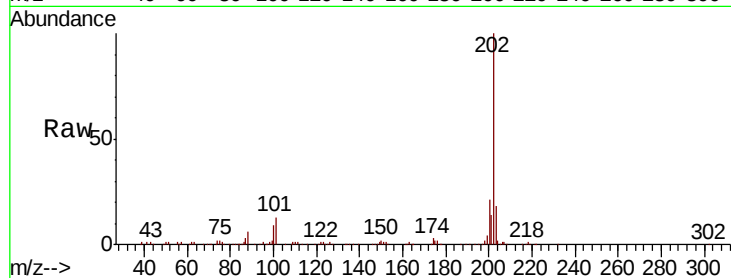
Tot Ion:202 Resp: 155081

Ion Ratio Lower Upper

202 100

101 12.5 0.0 33.4

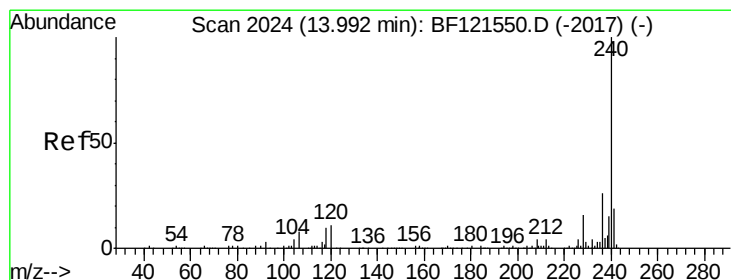
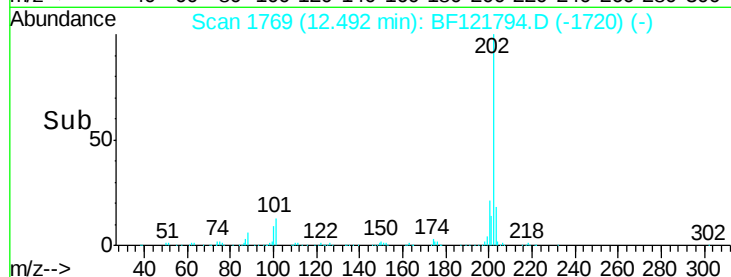
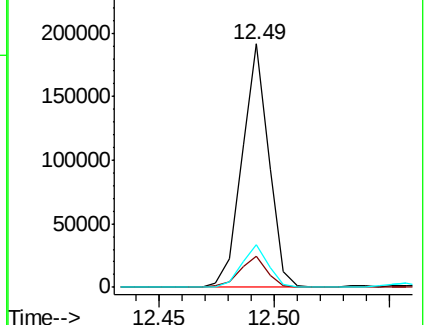
203 17.7 0.0 37.9



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: 13.92 min Scan# 2011

Delta R.T. -0.02 min

Lab File: BF121794.D

Acq: 2 Oct 2020 15:09

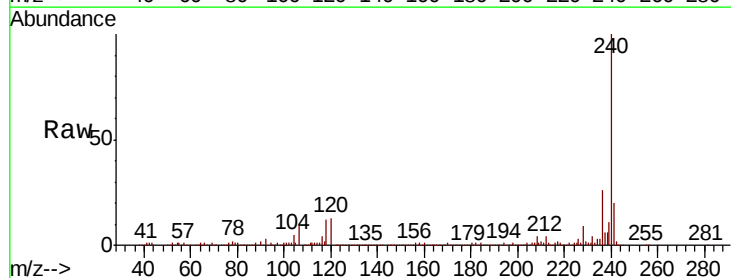
Tgt Ion:240 Resp: 289701

Ion Ratio Lower Upper

240 100

120 13.0 9.2 13.8

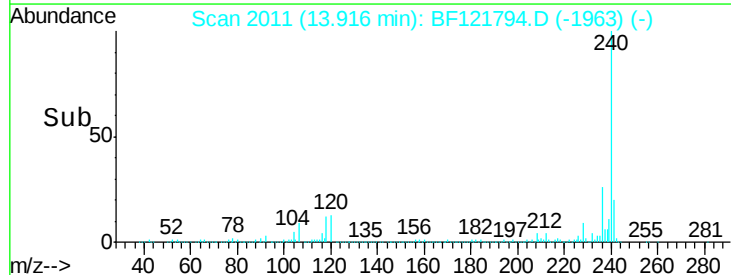
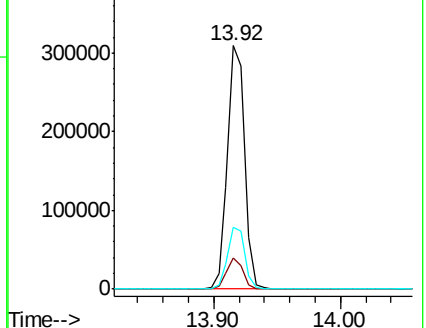
236 25.6 20.9 31.3

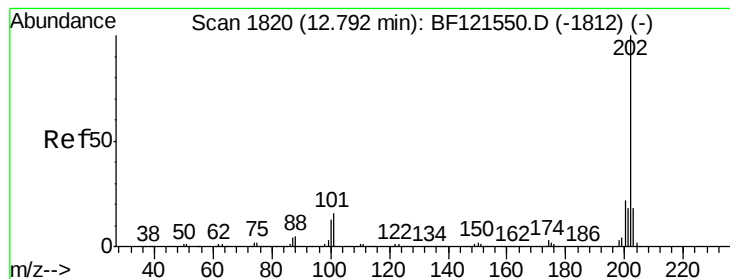


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 6.434 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF121794.D

Acq: 2 Oct 2020 15:09

Instrument :

BNA_F

ClientSampleId :

RO-20

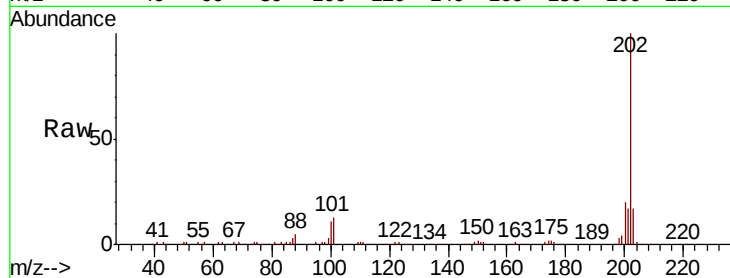
Tot Ion:202 Resp: 136187

Ion Ratio Lower Upper

202 100

200 20.1 17.4 26.2

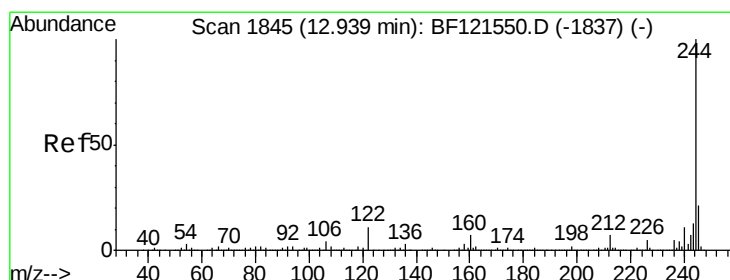
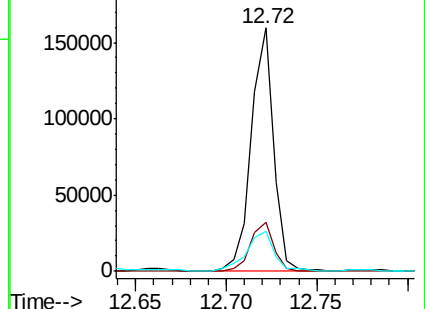
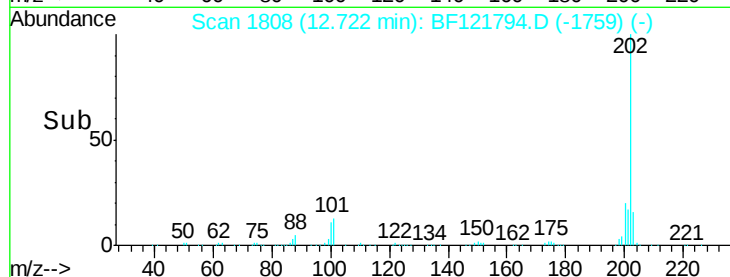
203 16.6 14.6 21.8



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: 69.109 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF121794.D

Acq: 2 Oct 2020 15:09

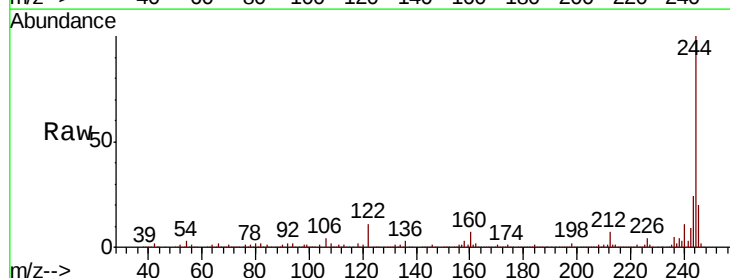
Tgt Ion:244 Resp: 988253

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

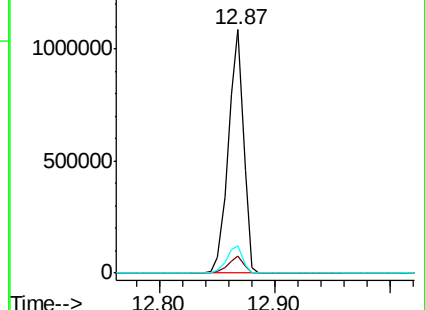
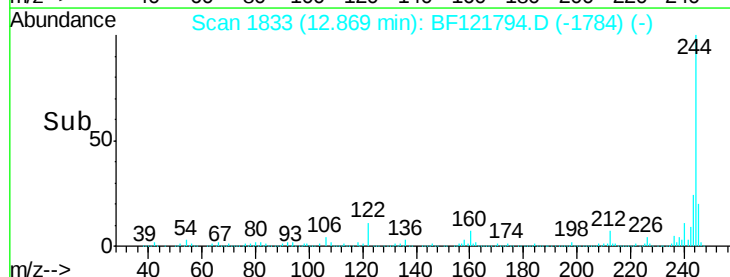
122 11.0 8.1 12.1

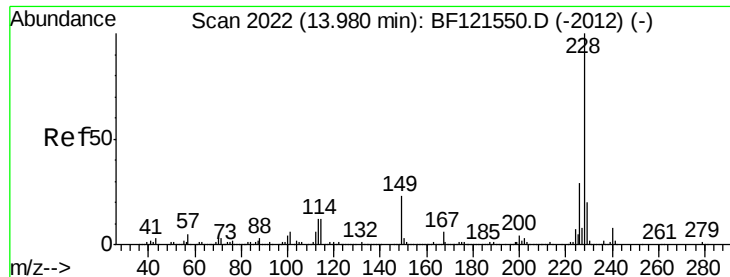


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 5.134 ng

RT: 13.95 min Scan# 2016

Delta R.T. 0.02 min

Lab File: BF121794.D

Acq: 2 Oct 2020 15:09

Instrument :

BNA_F

ClientSampleId :

RO-20

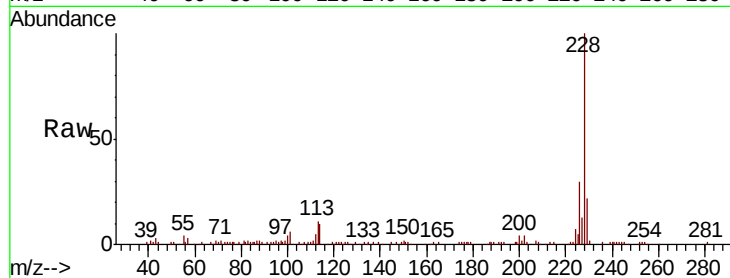
Tot Ion:228 Resp: 94103

Ion Ratio Lower Upper

228 100

226 29.8 22.3 33.5

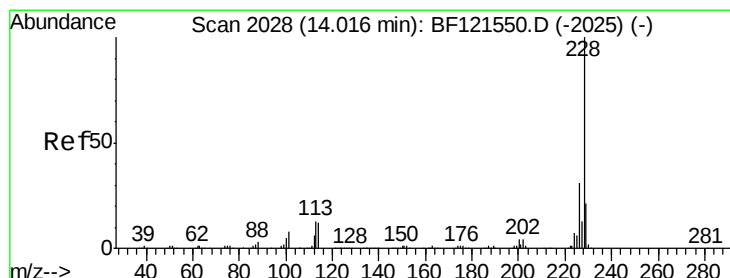
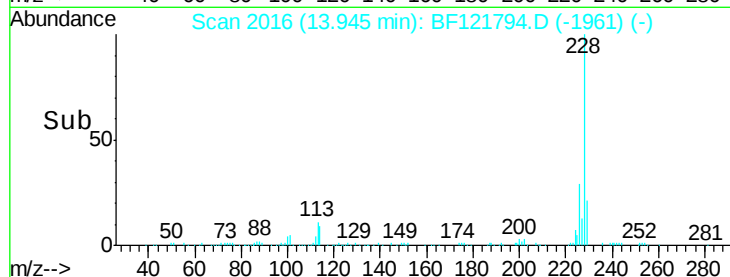
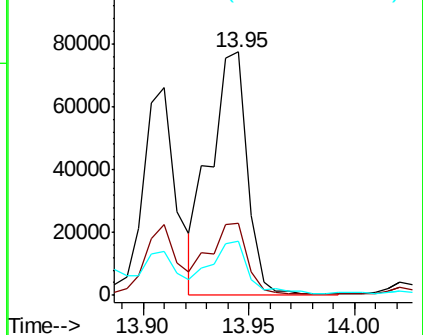
229 22.0 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 5.070 ng

RT: 13.95 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF121794.D

Acq: 2 Oct 2020 15:09

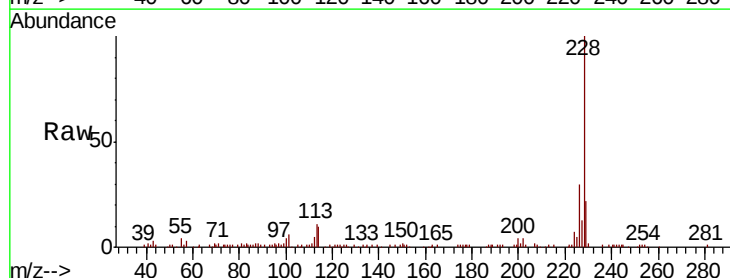
Tgt Ion:228 Resp: 94103

Ion Ratio Lower Upper

228 100

226 29.8 24.6 37.0

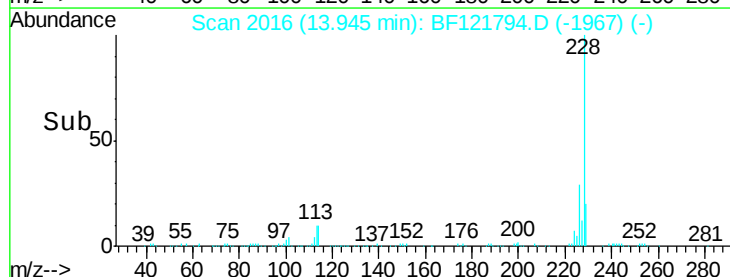
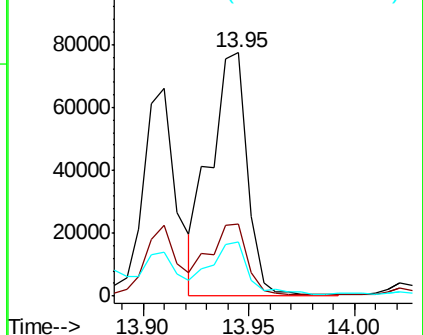
229 22.0 15.9 23.9

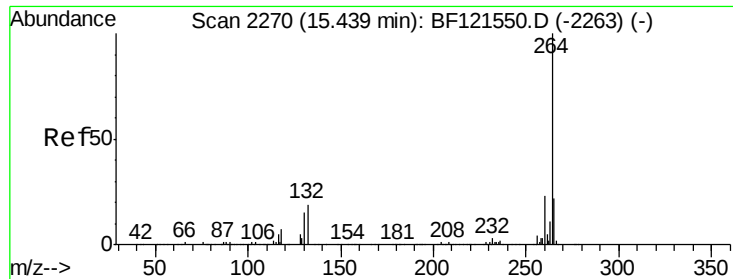


Abundance Ion 228.00 (227.70 to 228.70): E

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: 15.35 min Scan# 2255

Delta R.T. -0.01 min

Lab File: BF121794.D

Acq: 2 Oct 2020 15:09

Instrument :

BNA_F

ClientSampleId :

RO-20

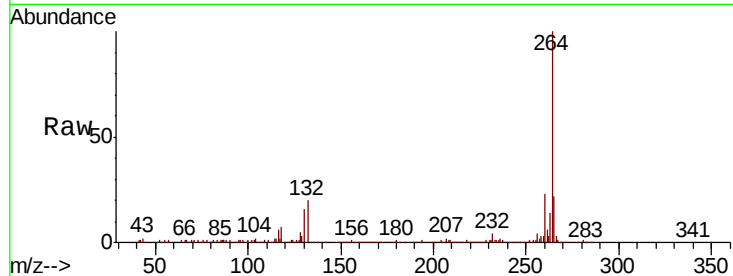
Tot Ion:264 Resp: 271708

Ion Ratio Lower Upper

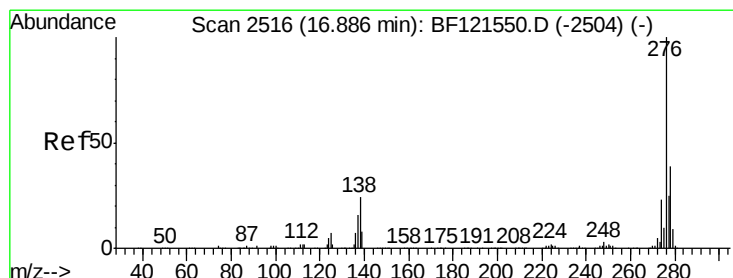
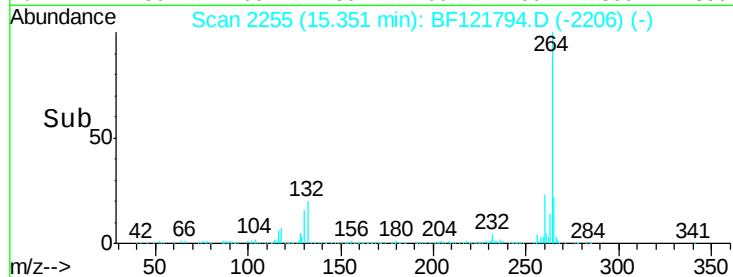
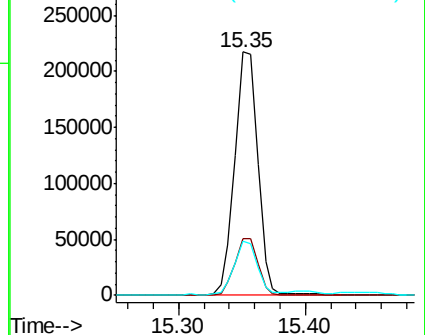
264 100

260 23.3 18.7 28.1

265 22.2 17.3 25.9



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



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.950 ng

RT: 16.76 min Scan# 2494

Delta R.T. -0.03 min

Lab File: BF121794.D

Acq: 2 Oct 2020 15:09

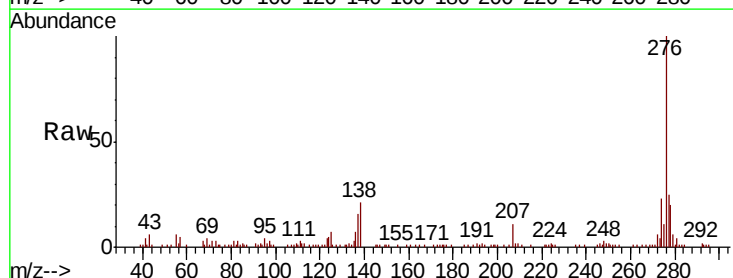
Tgt Ion:276 Resp: 87591

Ion Ratio Lower Upper

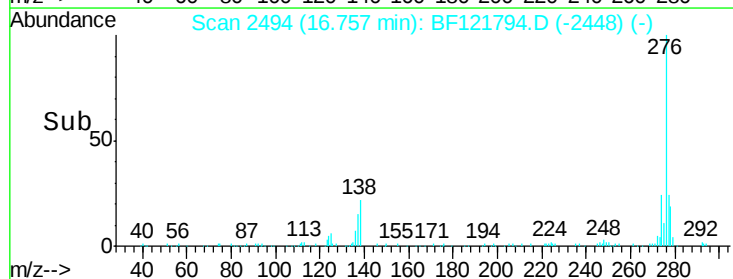
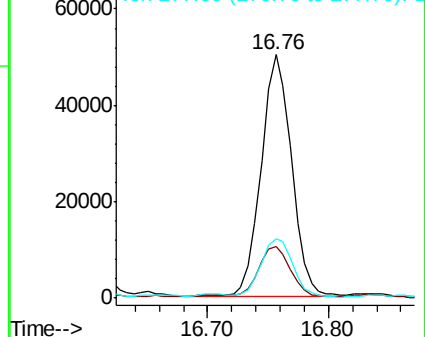
276 100

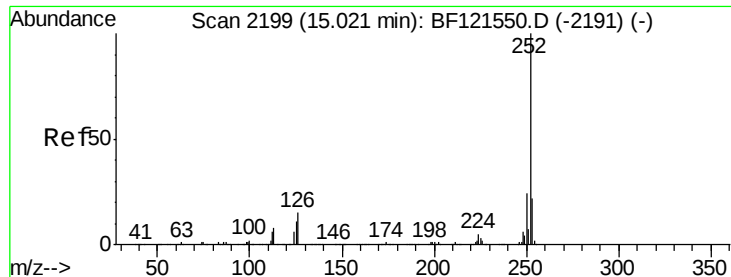
138 21.1 19.9 29.9

277 26.8 20.4 30.6



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

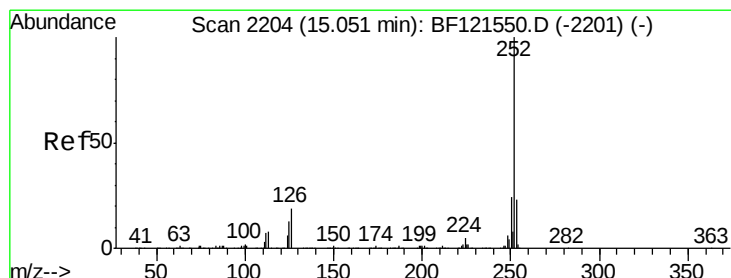
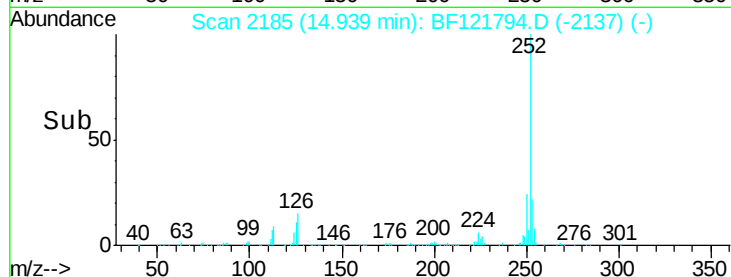
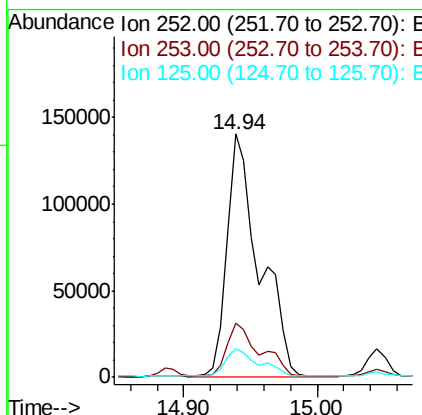
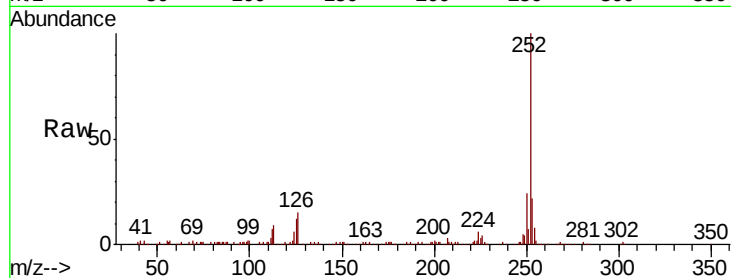




#88
Benzo(b)fluoranthene
Concen: 13.121 ng
RT: 14.94 min Scan# 2185
Delta R.T. -0.02 min
Lab File: BF121794.D
Acq: 2 Oct 2020 15:09

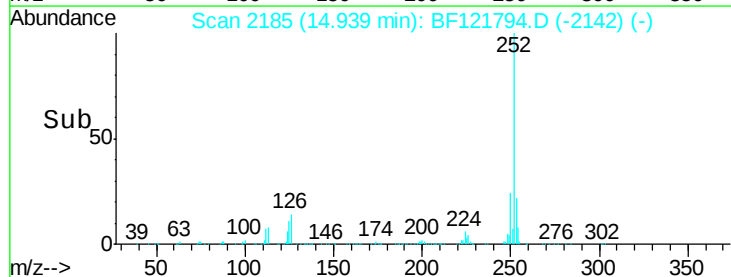
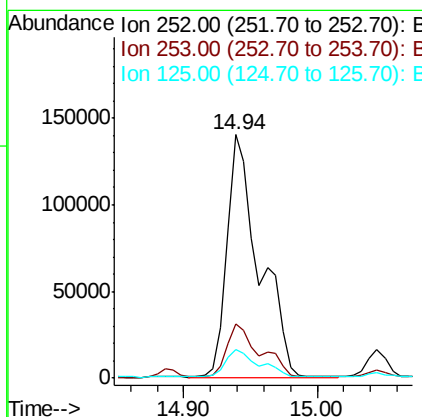
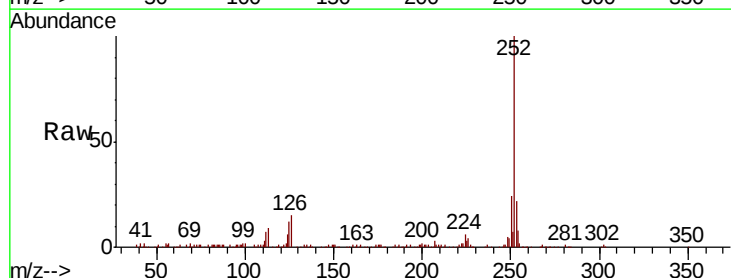
Instrument :
BNA_F
ClientSampleId :
RO-20

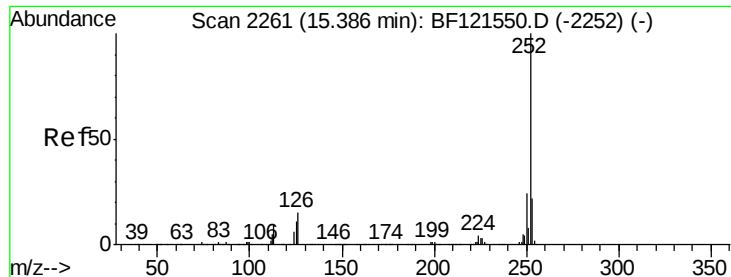
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	11.6	8.0	12.0



#89
Benzo(k)fluoranthene
Concen: 14.328 ng
RT: 14.94 min Scan# 2185
Delta R.T. -0.05 min
Lab File: BF121794.D
Acq: 2 Oct 2020 15:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.6
125	11.6	7.7	11.5#

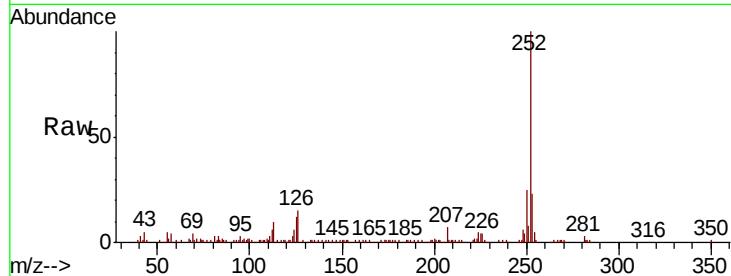




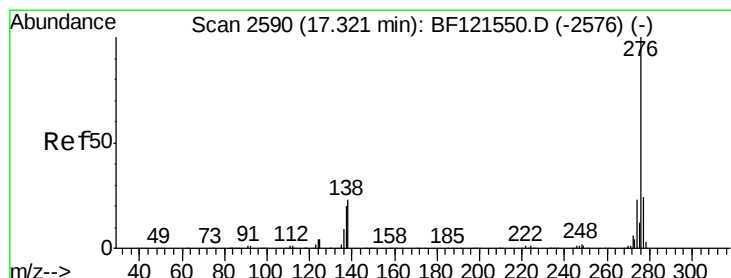
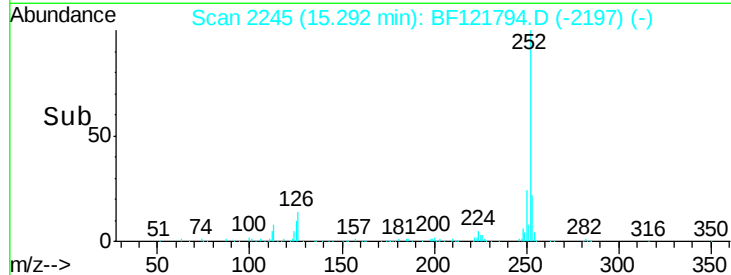
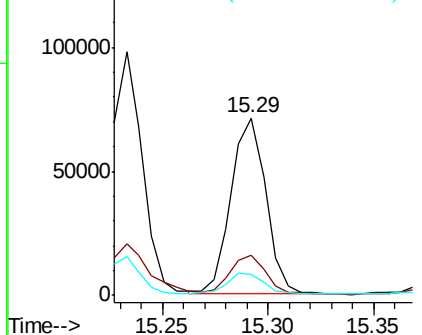
#90
Benzo(a)pyrene
Concen: 5.300 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.02 min
Lab File: BF121794.D
Acq: 2 Oct 2020 15:09

Instrument :
BNA_F
ClientSampleId :
RO-20

Tot Ion:252 Resp: 81829
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 12.0 8.6 13.0

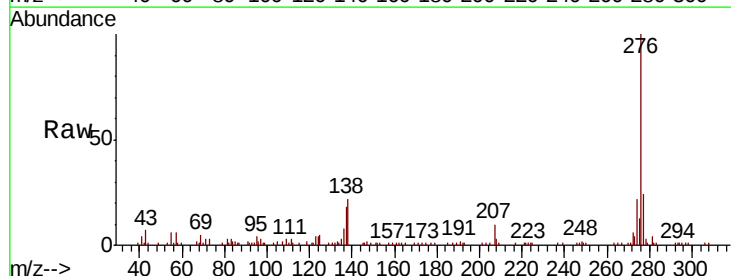


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 6.363 ng
RT: 17.19 min Scan# 2567
Delta R.T. -0.02 min
Lab File: BF121794.D
Acq: 2 Oct 2020 15:09

Tgt Ion:276 Resp: 92122
Ion Ratio Lower Upper
276 100
277 24.4 19.4 29.2
138 21.9 17.8 26.6



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

