

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061720\
 Data File : BF120633.D
 Acq On : 17 Jun 2020 15:32
 Operator : JU/CG
 Sample : L3024-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-21

Quant Time: Jun 17 16:06:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	142534	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	541634	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	287151	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	571388	20.00	ng	0.00
76) Chrysene-d12	13.95	240	521566	20.00	ng	-0.01
86) Perylene-d12	15.39	264	555175	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	596150	71.71	ng	-0.01
7) Phenol-d6	6.43	99	756885	73.10	ng	-0.01
23) Nitrobenzene-d5	7.36	82	513853	53.03	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	259194	77.64	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1067082	56.86	ng	-0.01
79) Terphenyl-d14	12.90	244	1155370	48.93	ng	0.00

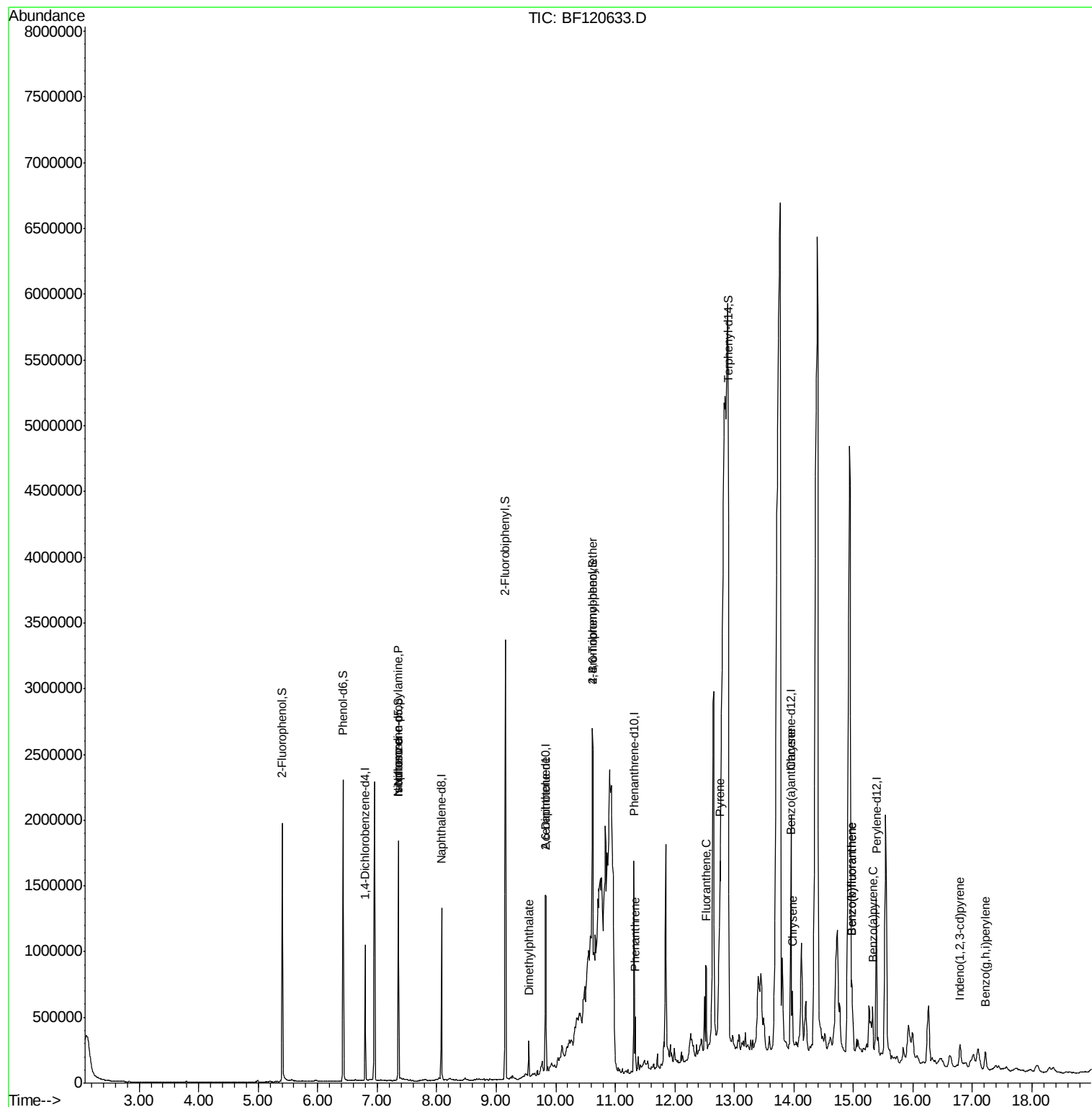
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	68600	11.421	ng	# 79
25) Isophorone	7.36	82	511056	27.075	ng	# 62
50) Dimethylphthalate	9.55	163	94619	4.575	ng	100
51) 2,6-Dinitrotoluene	9.83	165	38111	8.132	ng	# 27
67) 4-Bromophenyl-phenylether	10.62	248	15217	2.347	ng	# 1
71) Phenanthrene	11.34	178	158357	5.575	ng	97
75) Fluoranthene	12.52	202	278592	8.579	ng	98
78) Pyrene	12.75	202	267146	7.230	ng	99
81) Benzo(a)anthracene	13.94	228	166850	5.325	ng	97
83) Chrysene	13.97	228	158651	4.936	ng	98
87) Indeno(1,2,3-cd)pyrene	16.79	276	103673	3.070	ng	96
88) Benzo(b)fluoranthene	14.97	252	294844	8.916	ng	98
89) Benzo(k)fluoranthene	14.97	252	294844	10.076	ng	98
90) Benzo(a)pyrene	15.32	252	146070	4.935	ng	97
92) Benzo(a,h,i)perylene	17.22	276	94553	3.464	ng	98

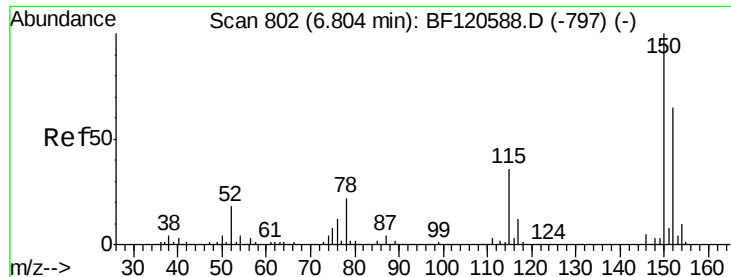
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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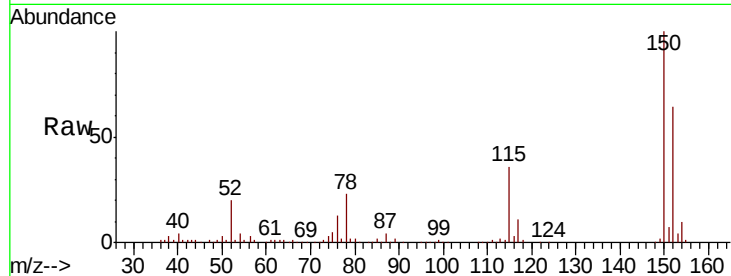


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF120633.D
Acq: 17 Jun 2020 15:32

Instrument :
BNA_F
ClientSampleId :
RO-21

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	123.2	184.8
115	55.3	43.9	65.9

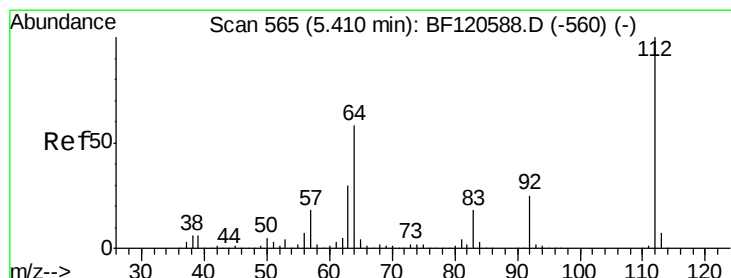
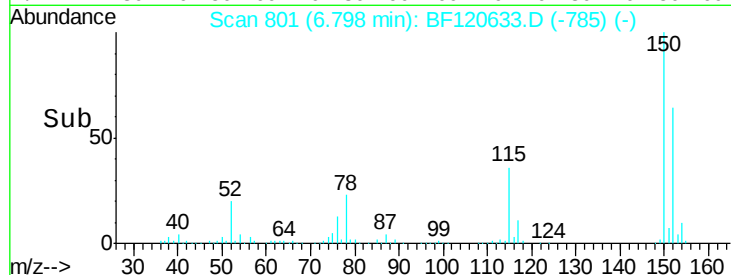
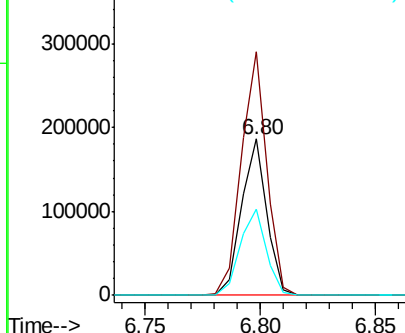


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

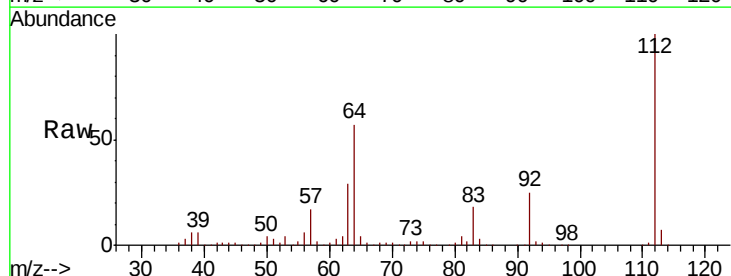
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 71.707 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF120633.D
Acq: 17 Jun 2020 15:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	46.1	69.1
63	28.8	23.7	35.5

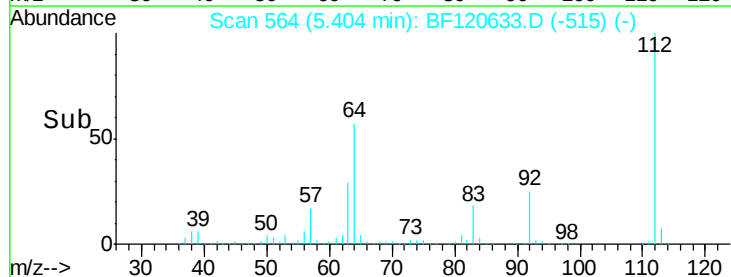
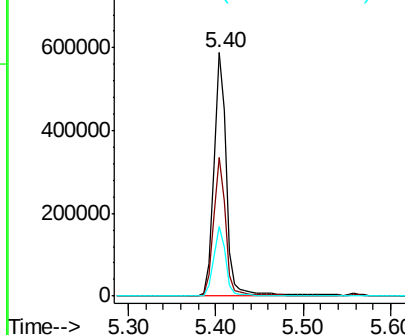


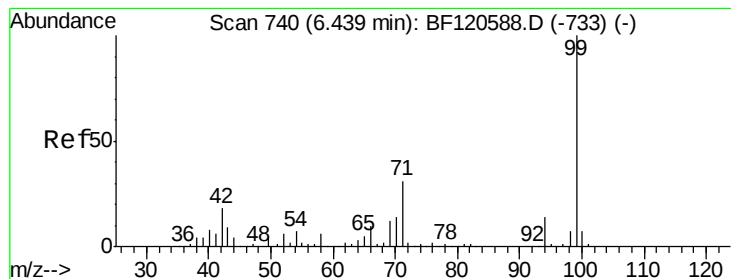
Abundance

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: 73.096 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF120633.D

Acq: 17 Jun 2020 15:32

Instrument :

BNA_F

ClientSampled :

RO-21

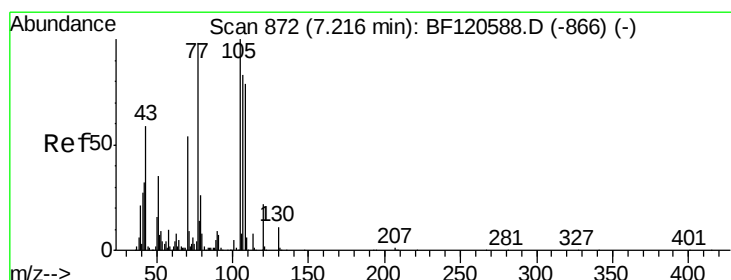
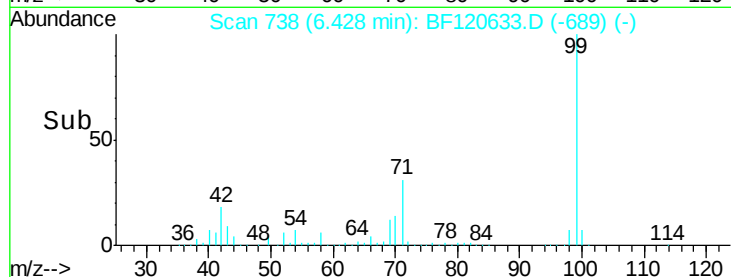
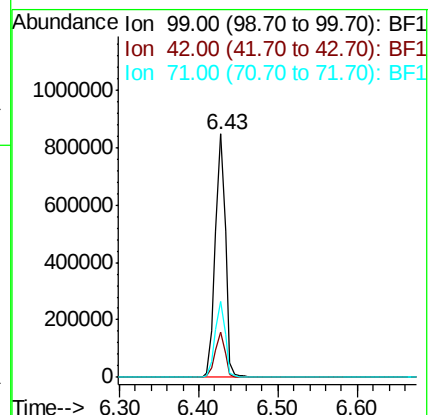
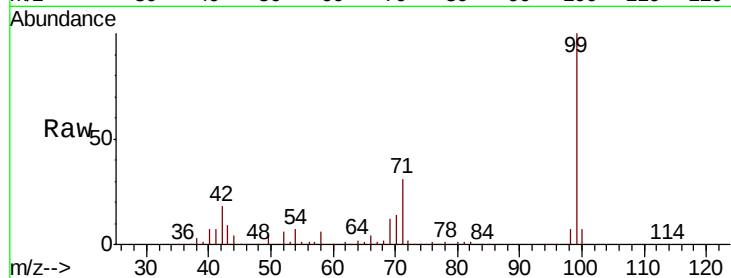
Tot Ion: 99 Resp: 756885

Ion Ratio Lower Upper

99 100

42 18.4 14.0 21.0

71 31.4 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 11.421 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF120633.D

Acq: 17 Jun 2020 15:32

Tgt Ion: 70 Resp: 68600

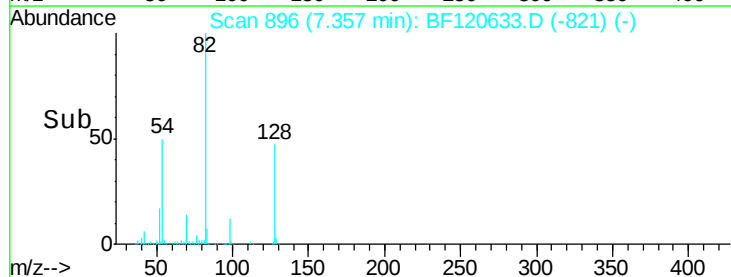
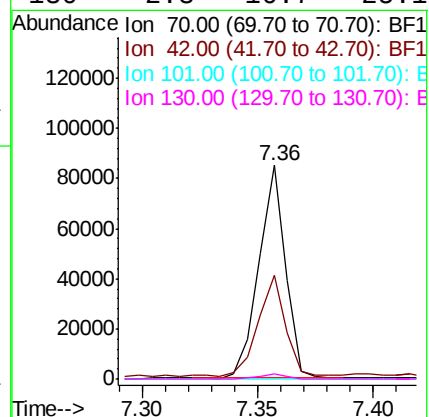
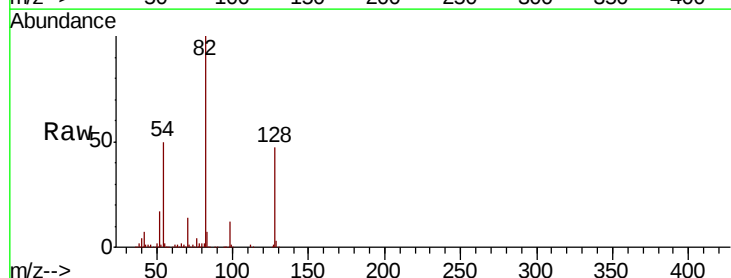
Ion Ratio Lower Upper

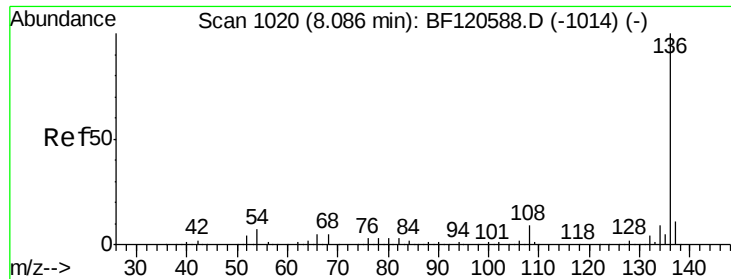
70 100

42 48.8 47.7 71.5

101 0.0 7.6 11.4#

130 2.3 16.7 25.1#

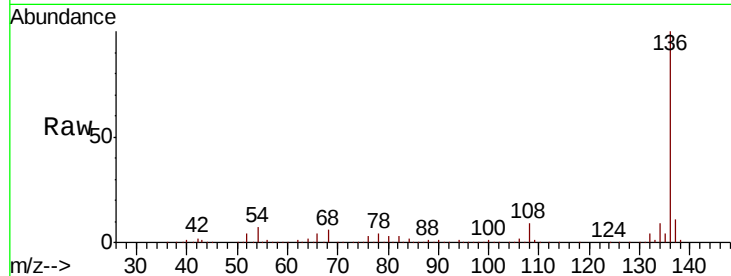




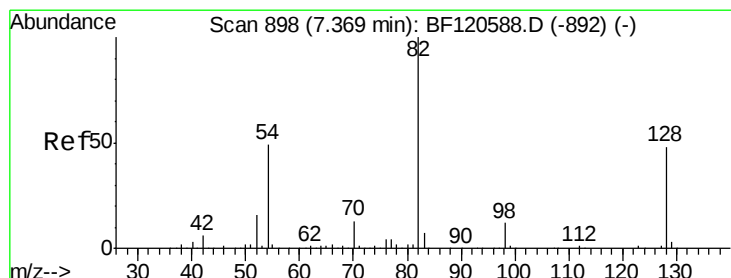
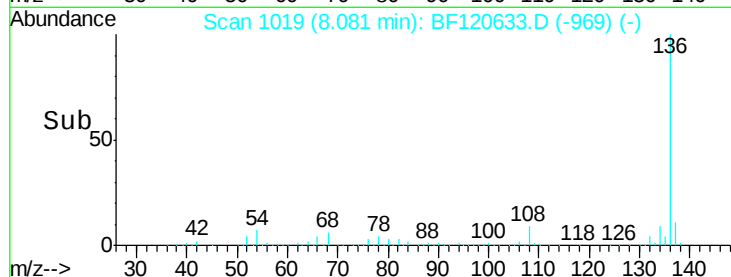
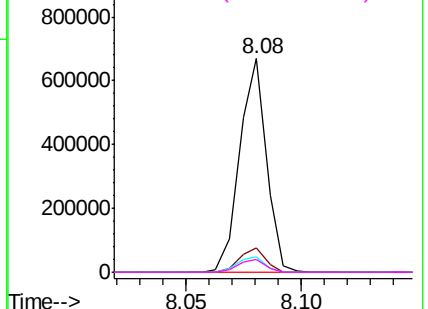
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120633.D
Acq: 17 Jun 2020 15:32

Instrument :
BNA_F
ClientSampleId :
RO-21

Tot Ion:136 Resp: 541634
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 7.2 5.8 8.6
68 5.7 4.4 6.6

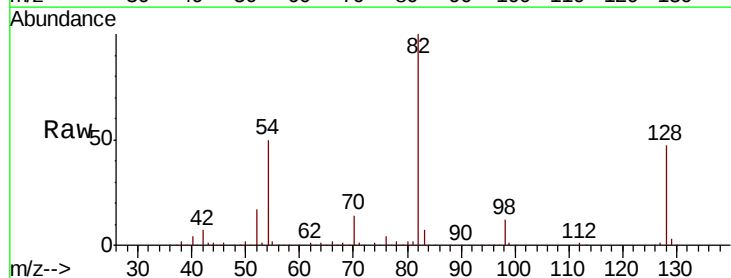


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

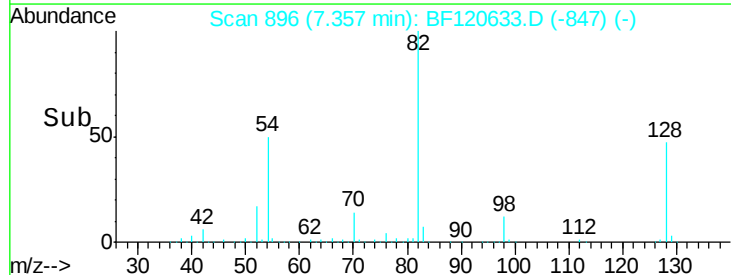
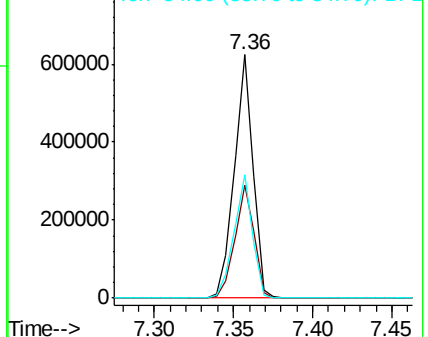


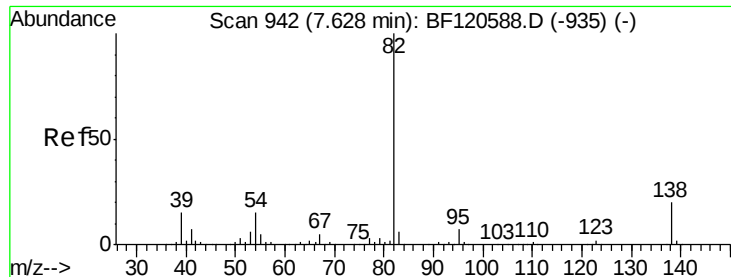
#23
Nitrobenzene-d5
Concen: 53.030 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF120633.D
Acq: 17 Jun 2020 15:32

Tgt Ion: 82 Resp: 513853
Ion Ratio Lower Upper
82 100
128 46.6 38.0 57.0
54 50.4 38.8 58.2



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: 27.075 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.27 min

Lab File: BF120633.D

Acq: 17 Jun 2020 15:32

Instrument :

BNA_F

ClientSampleId :

RO-21

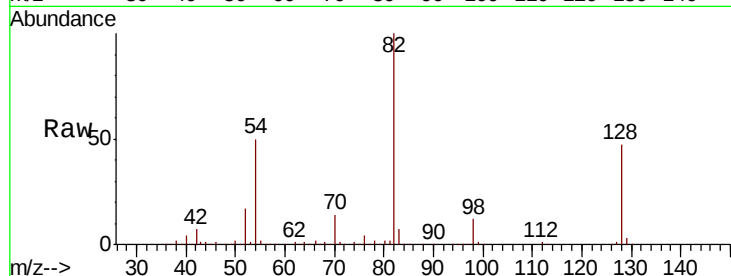
Tot Ion: 82 Resp: 511056

Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

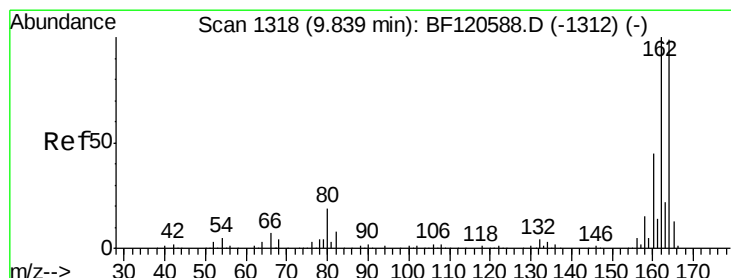
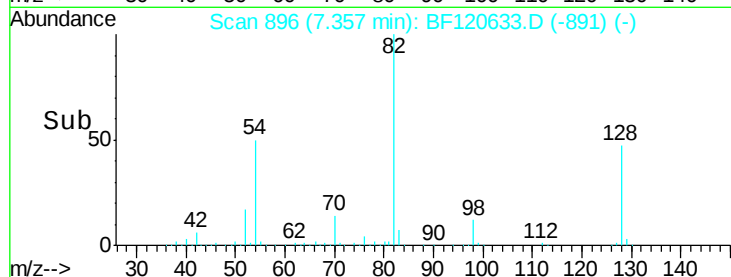
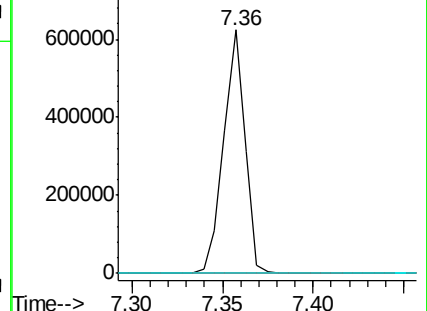
138 0.0 16.2 24.4#



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: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF120633.D

Acq: 17 Jun 2020 15:32

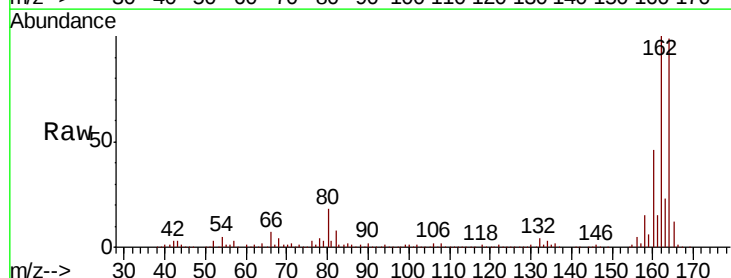
Tgt Ion:164 Resp: 287151

Ion Ratio Lower Upper

164 100

162 101.1 80.6 120.8

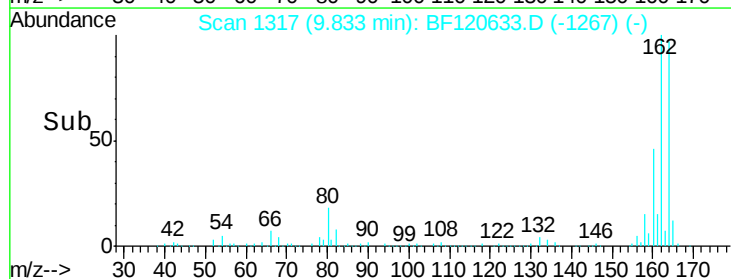
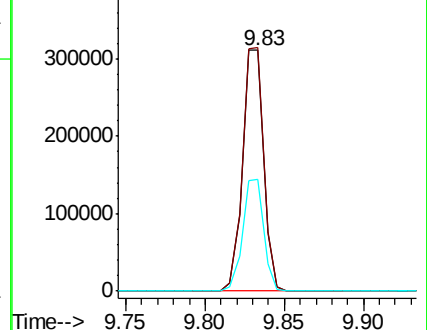
160 46.4 36.2 54.2

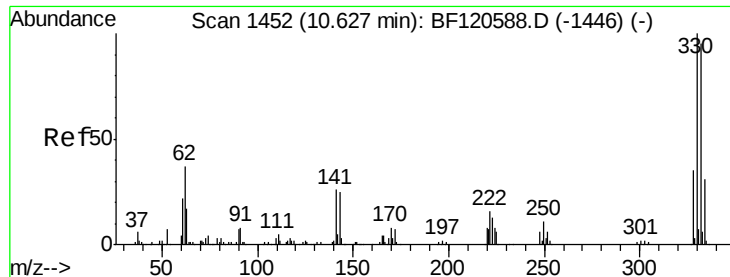


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

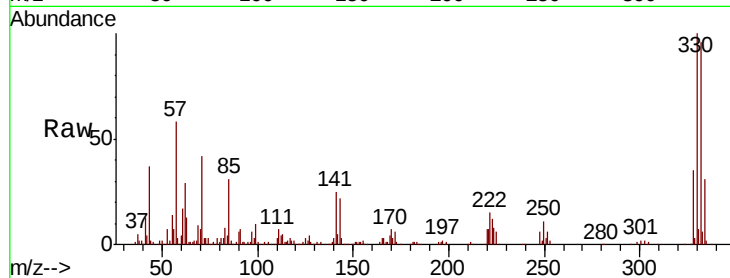




#42
 2,4,6-Tribromophenol
 Concen: 77.637 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF120633.D
 Acq: 17 Jun 2020 15:32

Instrument :
 BNA_F
 ClientSampleId :
 RO-21

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.8	115.2
141	28.7	23.2	34.8

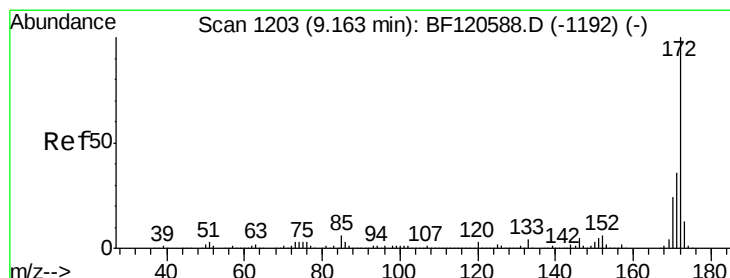
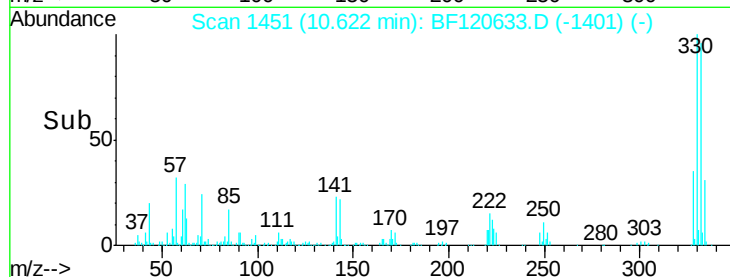
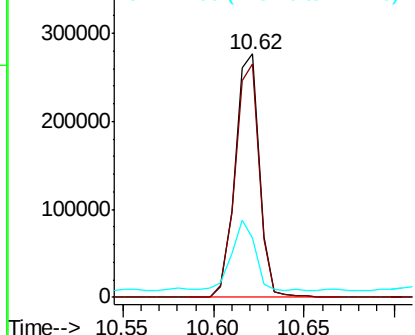


Abundance

Ion 329.80 (329.50 to 330.50): E

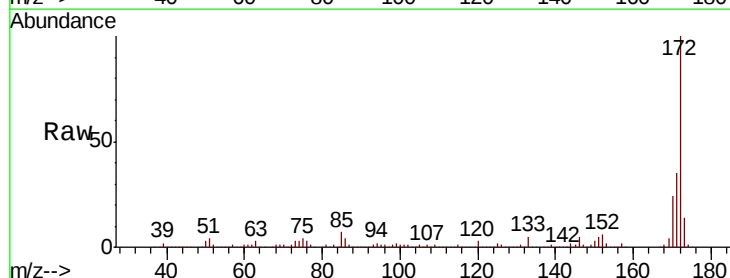
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 56.856 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF120633.D
 Acq: 17 Jun 2020 15:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.0	43.4
170	23.7	19.4	29.2

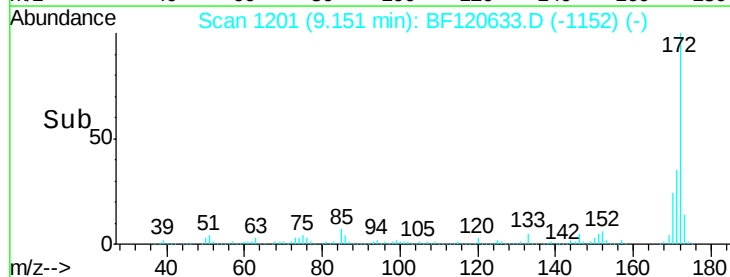
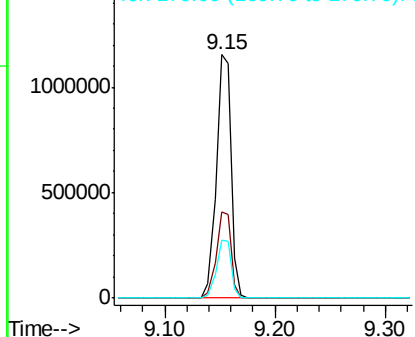


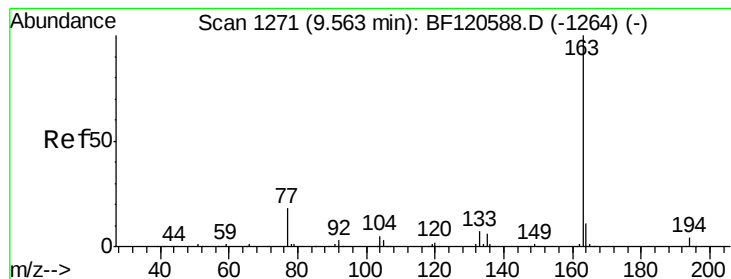
Abundance

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: 4.575 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.02 min

Lab File: BF120633.D

Acq: 17 Jun 2020 15:32

Instrument :

BNA_F

ClientSampleId :

RO-21

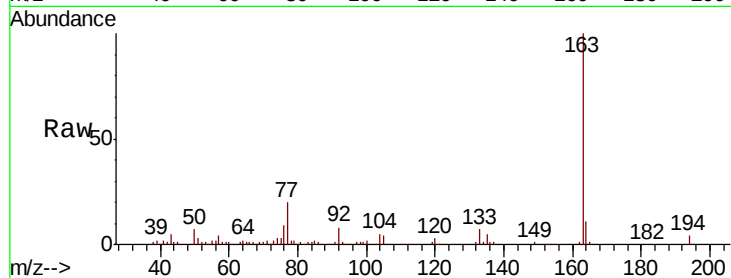
Tot Ion:163 Resp: 94619

Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

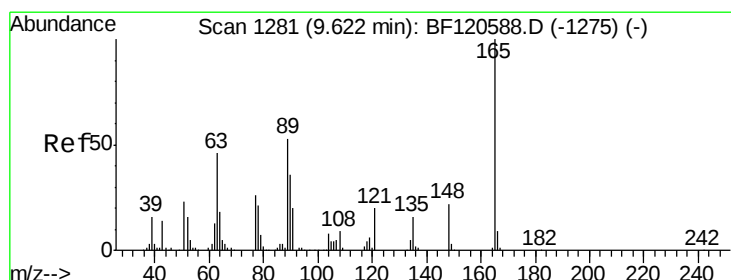
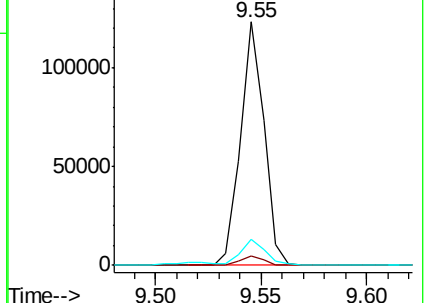
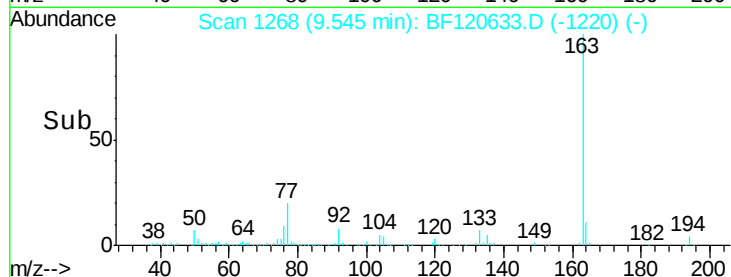
164 10.6 8.5 12.7



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: 8.132 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.21 min

Lab File: BF120633.D

Acq: 17 Jun 2020 15:32

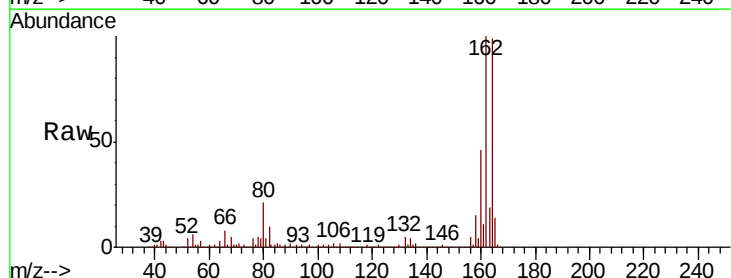
Tgt Ion:165 Resp: 38111

Ion Ratio Lower Upper

165 100

63 1.4 41.7 62.5#

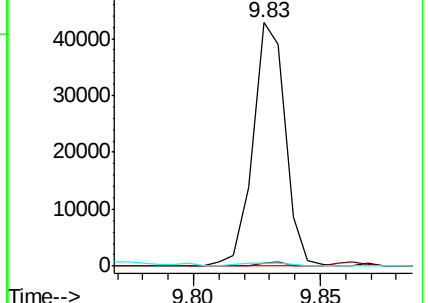
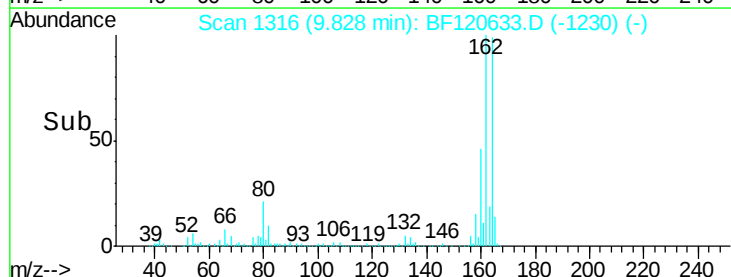
89 1.3 42.6 64.0#

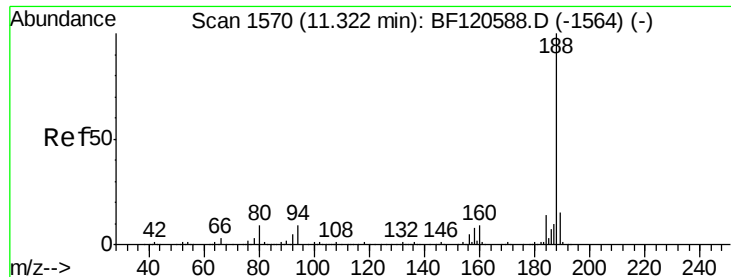


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF120633.D

Acq: 17 Jun 2020 15:32

Instrument :

BNA_F

ClientSampleId :

RO-21

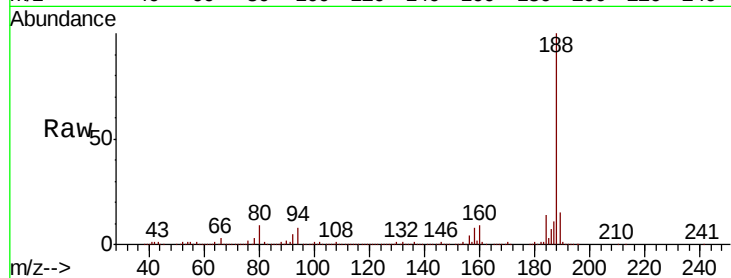
Tot Ion:188 Resp: 571388

Ion Ratio Lower Upper

188 100

94 8.4 7.2 10.8

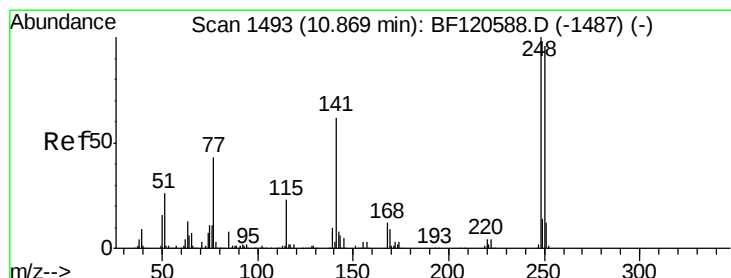
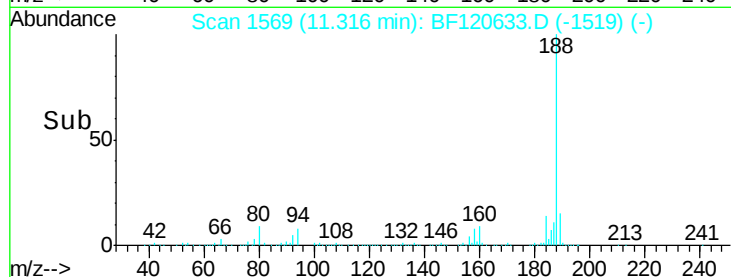
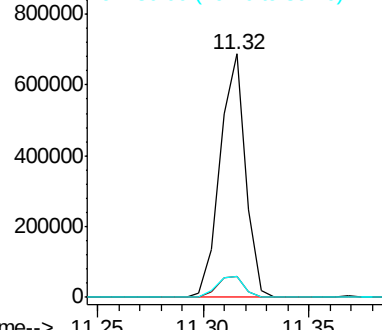
80 8.7 7.4 11.2



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: 2.347 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.25 min

Lab File: BF120633.D

Acq: 17 Jun 2020 15:32

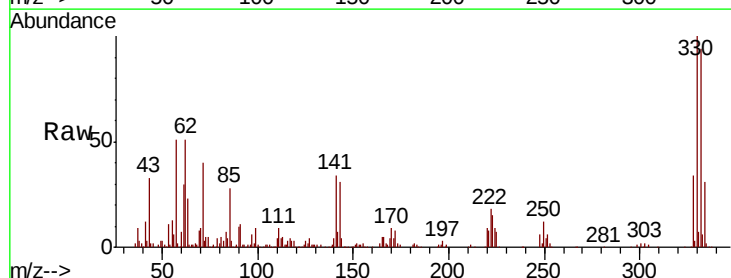
Tgt Ion:248 Resp: 15217

Ion Ratio Lower Upper

248 100

250 199.3 76.7 115.1#

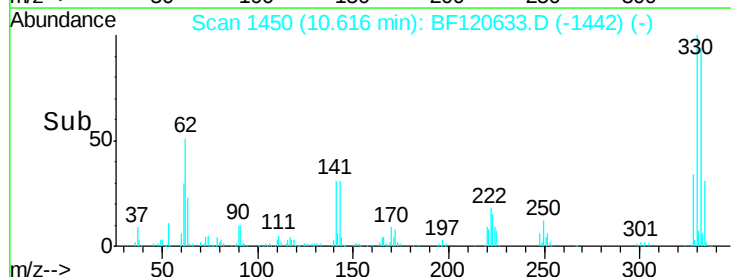
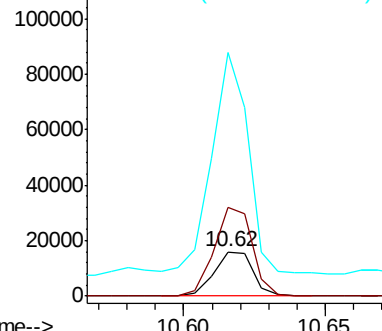
141 550.5 49.4 74.0#

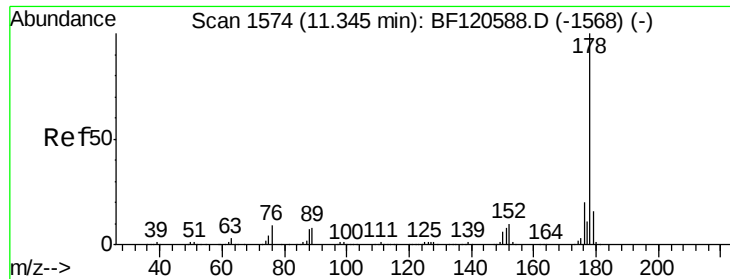


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

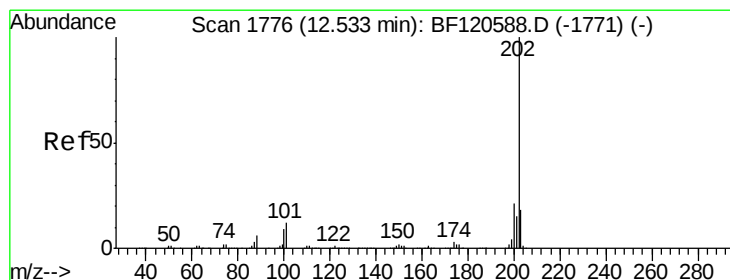
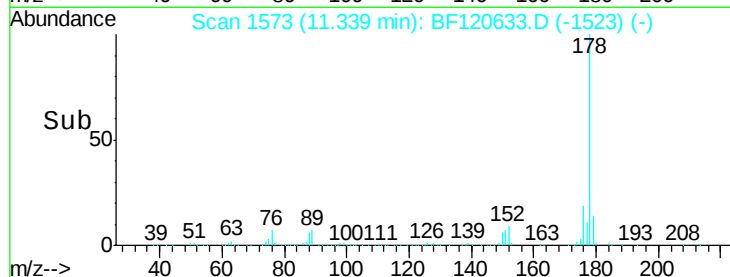
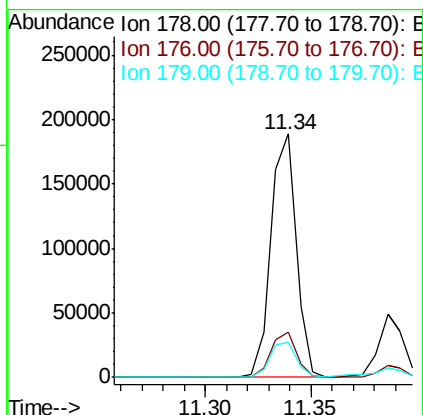
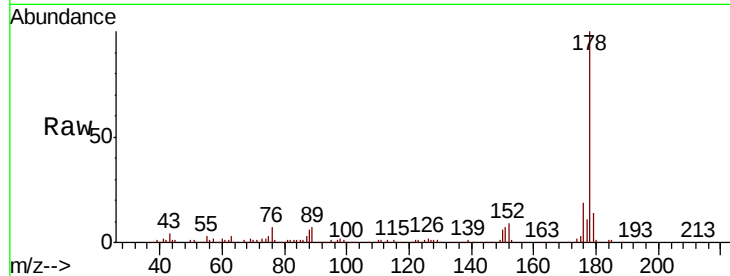




#71
Phenanthrene
Concen: 5.575 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF120633.D
Acq: 17 Jun 2020 15:32

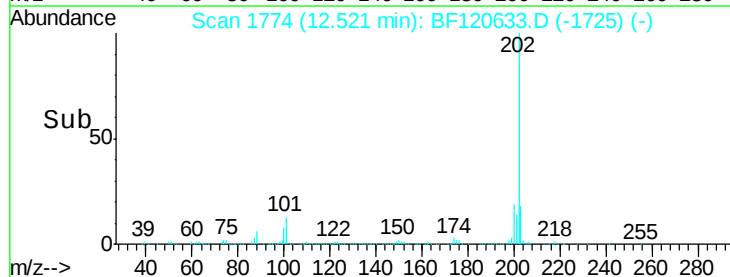
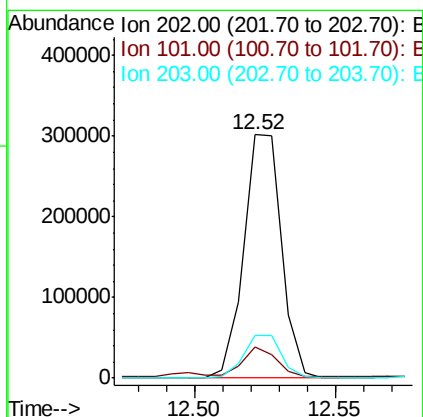
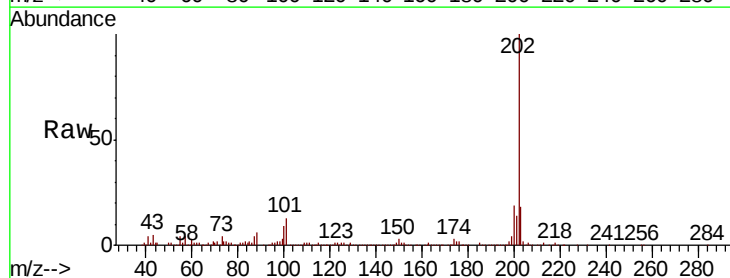
Instrument :
BNA_F
ClientSampleId :
RO-21

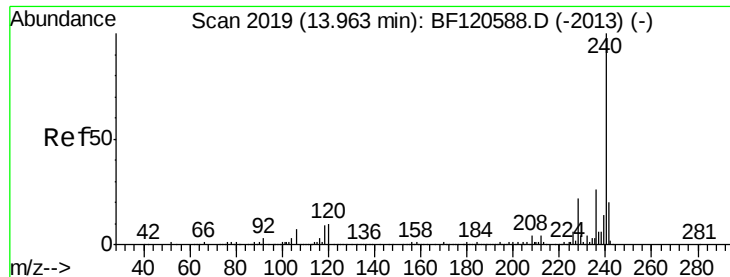
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.9	23.9
179	14.5	12.8	19.2



#75
Fluoranthene
Concen: 8.579 ng
RT: 12.52 min Scan# 1774
Delta R.T. -0.01 min
Lab File: BF120633.D
Acq: 17 Jun 2020 15:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	32.0
203	17.5	0.0	38.3

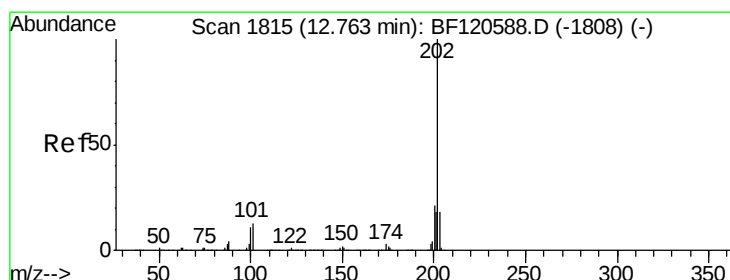
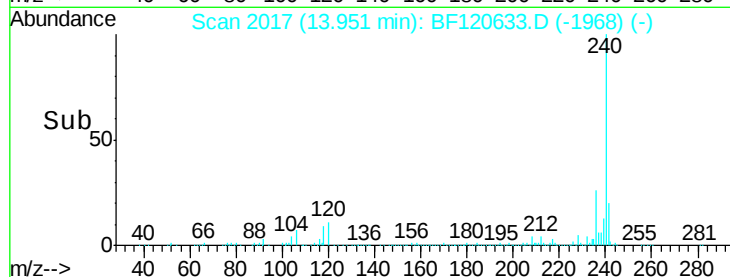
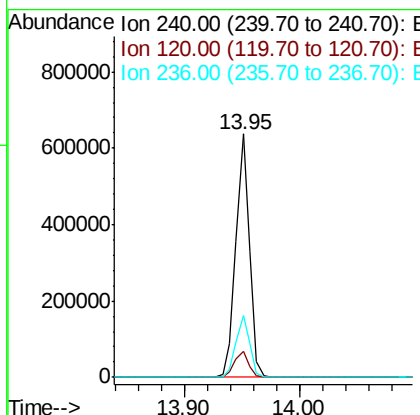
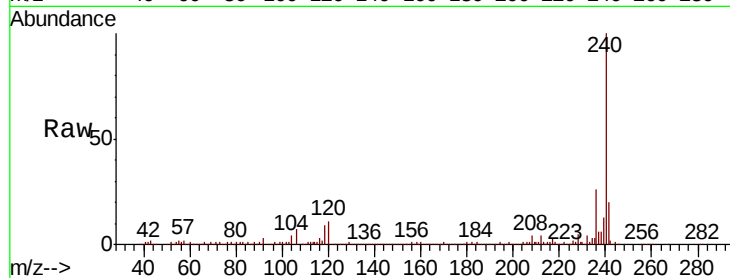




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF120633.D
Acq: 17 Jun 2020 15:32

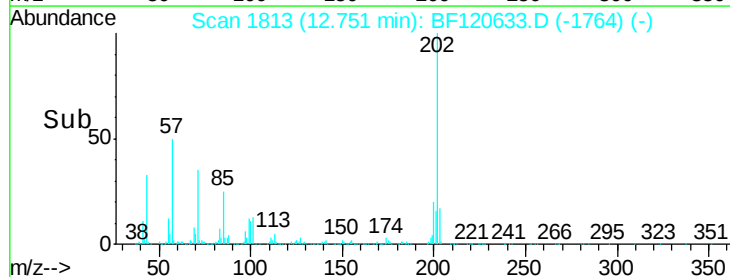
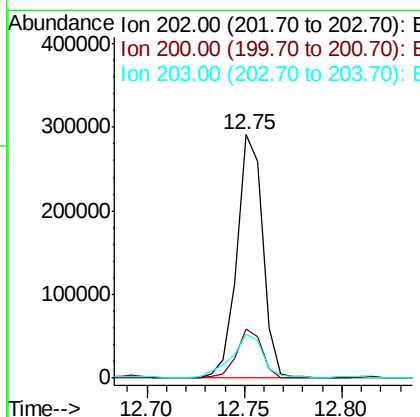
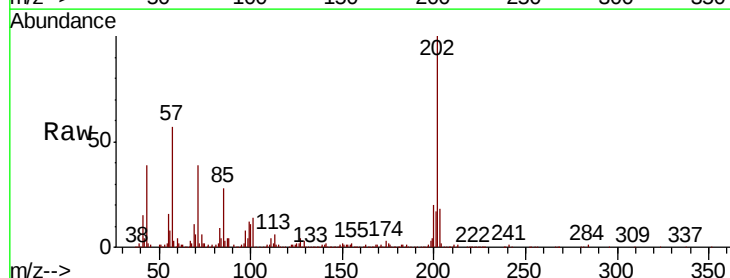
Instrument :
BNA_F
ClientSampleId :
RO-21

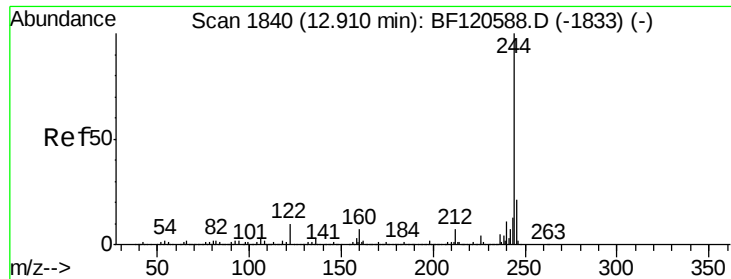
Tot Ion:240 Resp: 521566
Ion Ratio Lower Upper
240 100
120 10.9 8.3 12.5
236 25.6 21.0 31.4



#78
Pyrene
Concen: 7.230 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF120633.D
Acq: 17 Jun 2020 15:32

Tgt Ion:202 Resp: 267146
Ion Ratio Lower Upper
202 100
200 20.1 16.8 25.2
203 18.0 14.3 21.5





#79

Terphenyl-d14

Concen: 48.931 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF120633.D

Acq: 17 Jun 2020 15:32

Instrument :

BNA_F

ClientSampleId :

RO-21

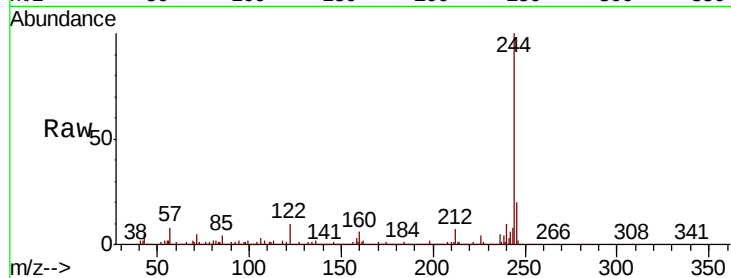
Tot Ion:244 Resp: 1155370

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

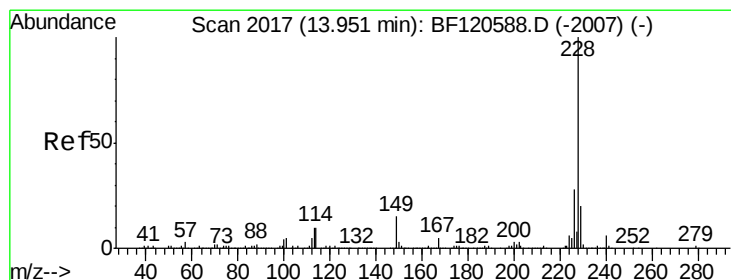
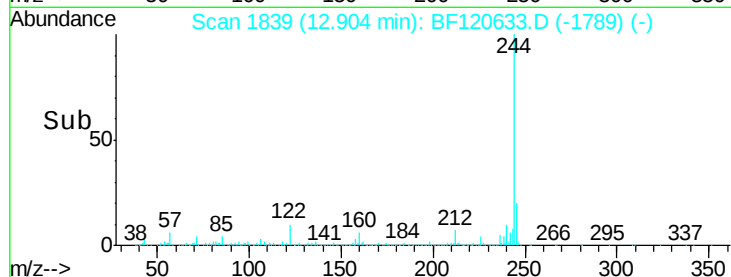
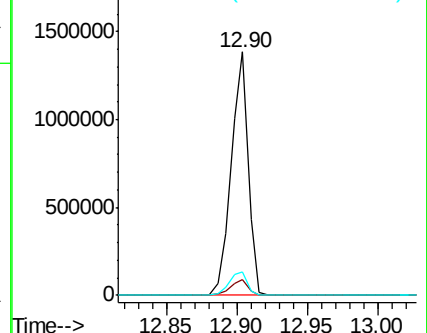
122 9.7 8.3 12.5



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: 5.325 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF120633.D

Acq: 17 Jun 2020 15:32

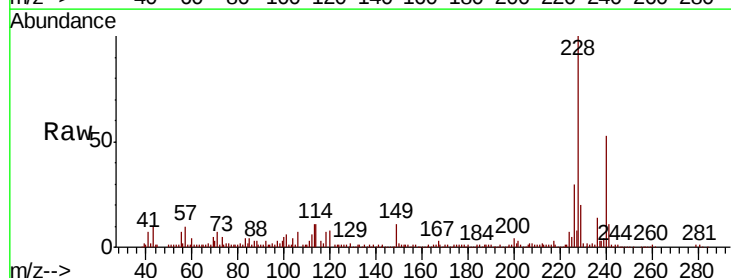
Tgt Ion:228 Resp: 166850

Ion Ratio Lower Upper

228 100

226 30.1 22.5 33.7

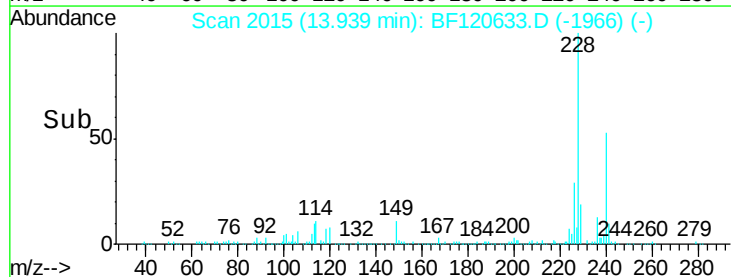
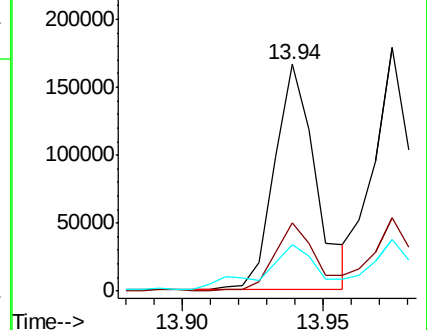
229 20.5 16.1 24.1

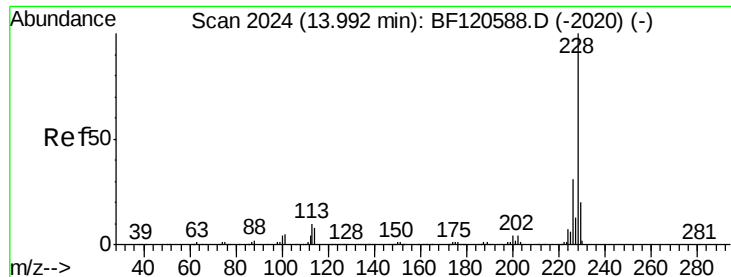


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

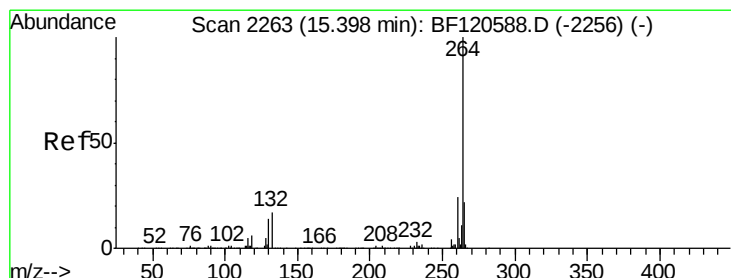
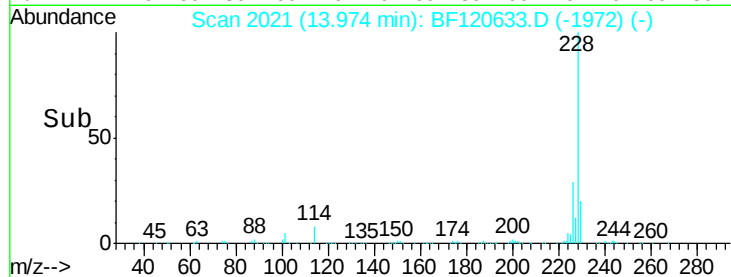
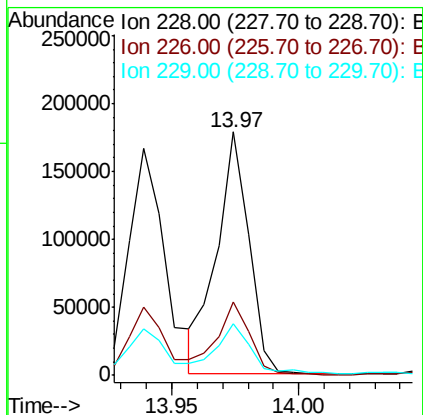
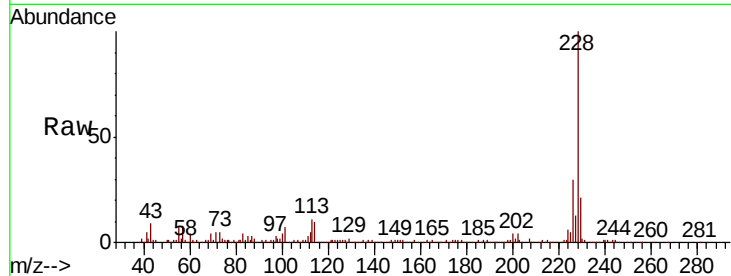




#83
Chrysene
Concen: 4.936 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF120633.D
Acq: 17 Jun 2020 15:32

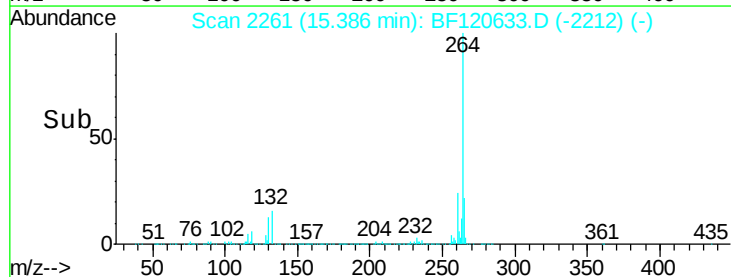
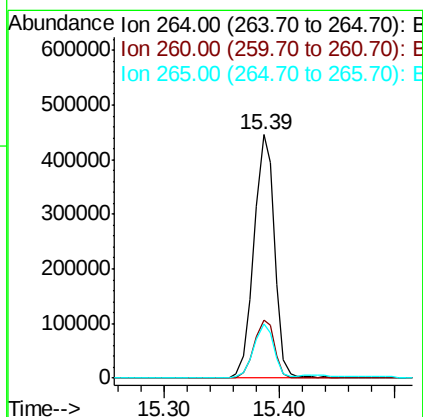
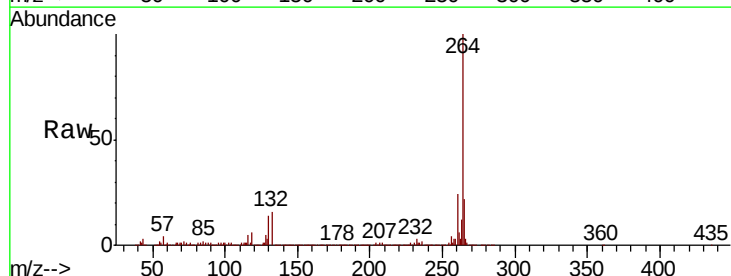
Instrument :
BNA_F
ClientSampleID :
RO-21

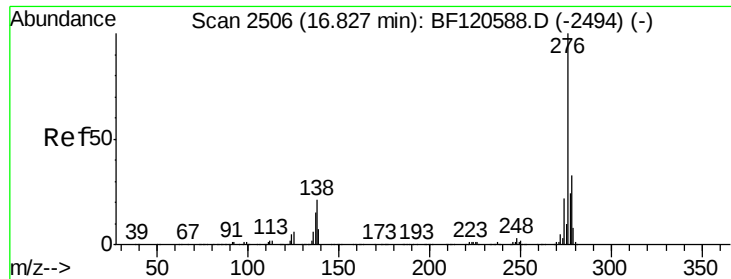
Tot Ion:228 Resp: 158651
Ion Ratio Lower Upper
228 100
226 30.0 24.9 37.3
229 21.3 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF120633.D
Acq: 17 Jun 2020 15:32

Tgt Ion:264 Resp: 555175
Ion Ratio Lower Upper
264 100
260 23.9 19.3 28.9
265 22.3 17.8 26.8

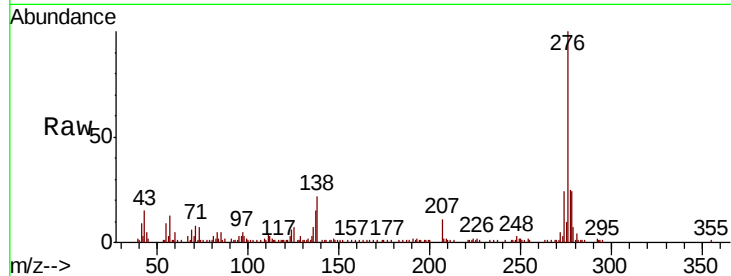




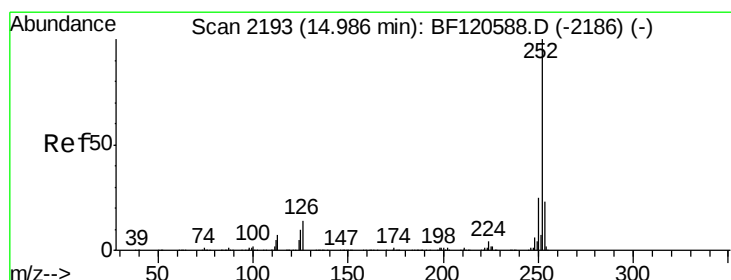
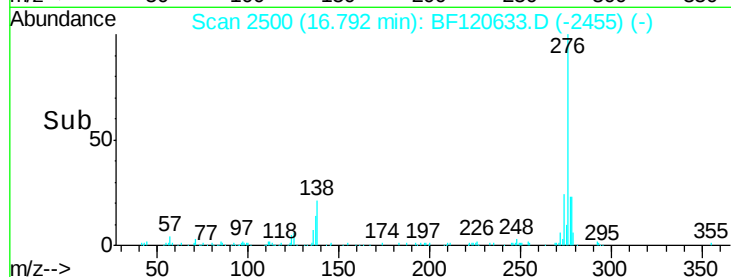
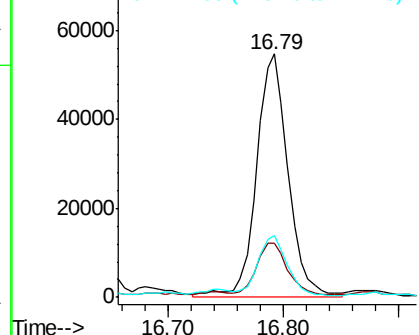
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.070 ng
 RT: 16.79 min Scan# 2500
 Delta R.T. -0.04 min
 Lab File: BF120633.D
 Acq: 17 Jun 2020 15:32

Instrument :
 BNA_F
 ClientSampleId :
 RO-21

Tot Ion:276 Resp: 103673
 Ion Ratio Lower Upper
 276 100
 138 21.2 18.9 28.3
 277 23.1 20.2 30.2

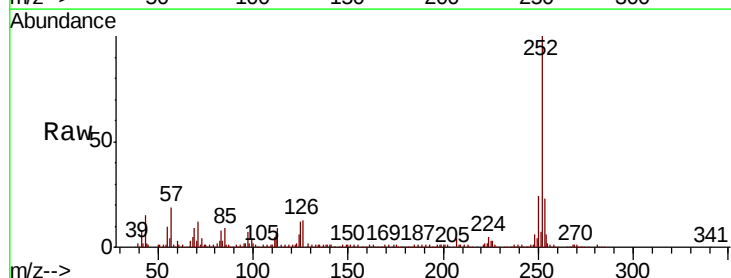


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

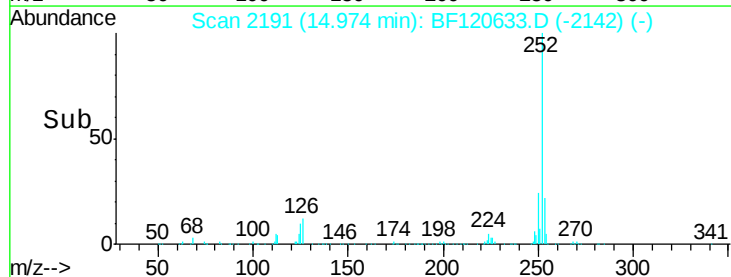
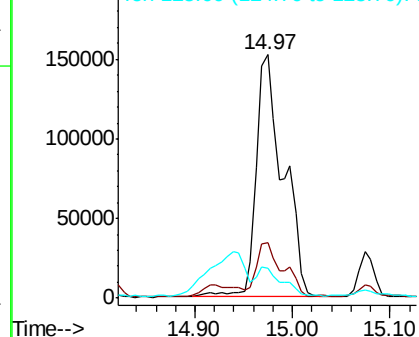


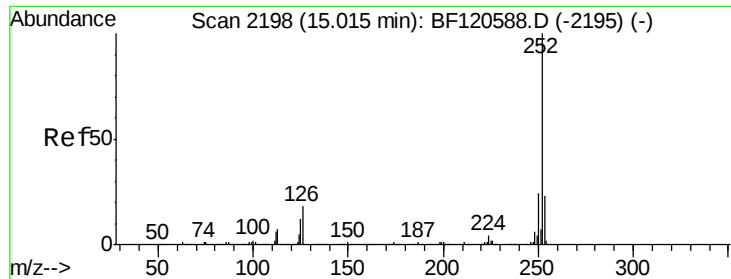
#88
 Benzo(b)fluoranthene
 Concen: 8.916 ng
 RT: 14.97 min Scan# 2191
 Delta R.T. -0.01 min
 Lab File: BF120633.D
 Acq: 17 Jun 2020 15:32

Tgt Ion:252 Resp: 294844
 Ion Ratio Lower Upper
 252 100
 253 22.8 18.1 27.1
 125 12.4 8.3 12.5



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

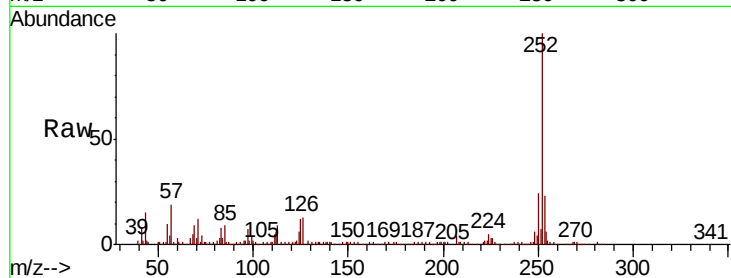




#89
Benzo(k)fluoranthene
Concen: 10.076 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF120633.D
Acq: 17 Jun 2020 15:32

Instrument :
BNA_F
ClientSampleId :
RO-21

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	12.4	8.3	12.5

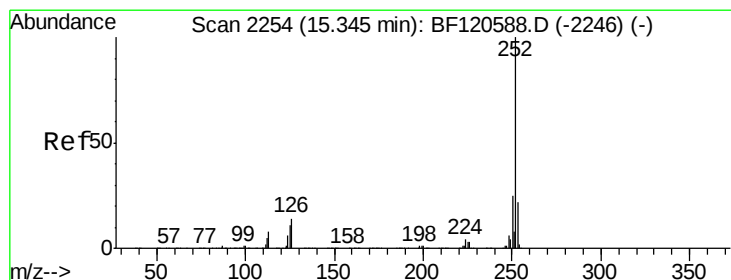
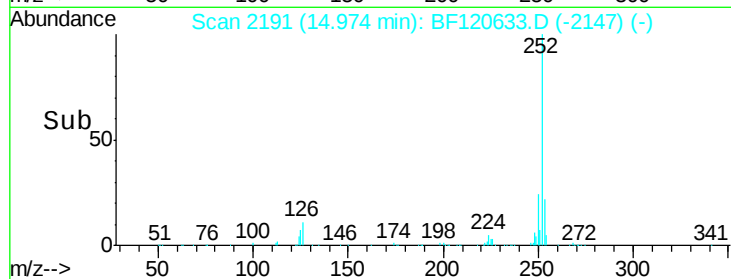
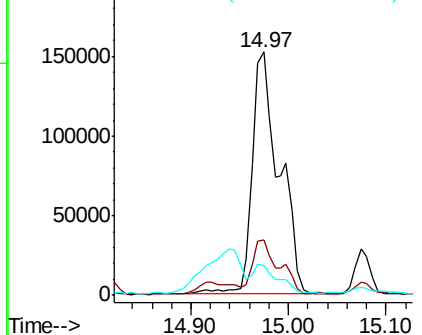


Abundance

Ion 252.00 (251.70 to 252.70): E

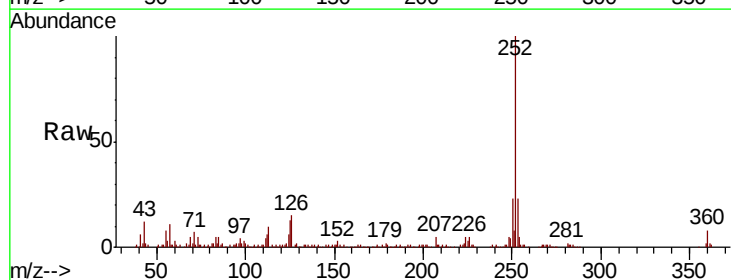
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 4.935 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.02 min
Lab File: BF120633.D
Acq: 17 Jun 2020 15:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	12.6	8.6	12.8

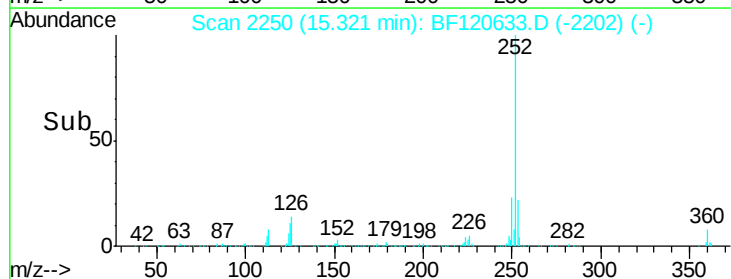
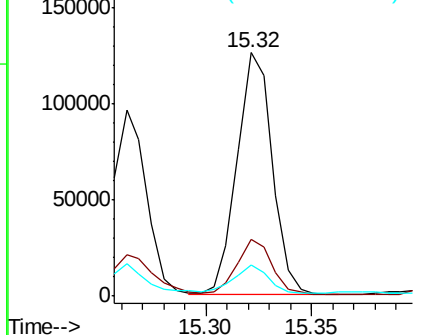


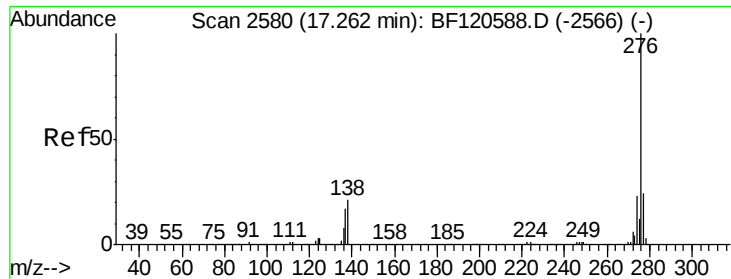
Abundance

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





#92

Benzo(a,h,i)perylene

Concen: 3.464 ng

RT: 17.22 min Scan# 2572

Delta R.T. -0.04 min

Lab File: BF120633.D

Acq: 17 Jun 2020 15:32

Instrument :

BNA_F

ClientSampleId :

RO-21

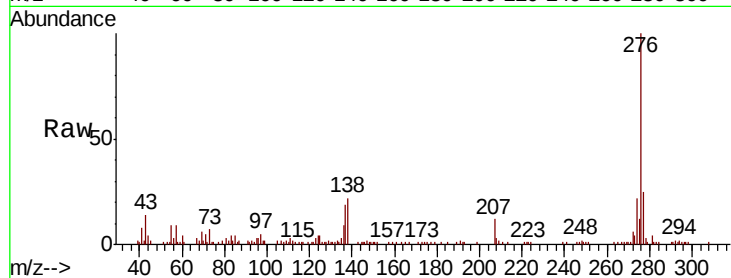
Tot Ion:276 Resp: 94553

Ion Ratio Lower Upper

276 100

277 24.6 19.6 29.4

138 22.2 16.5 24.7



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

