

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
 Data File : BF122201.D
 Acq On : 31 Oct 2020 1:59
 Operator : JU/CG
 Sample : L4222-06 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-102920

Quant Time: Oct 31 03:06:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 30 10:16:54 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

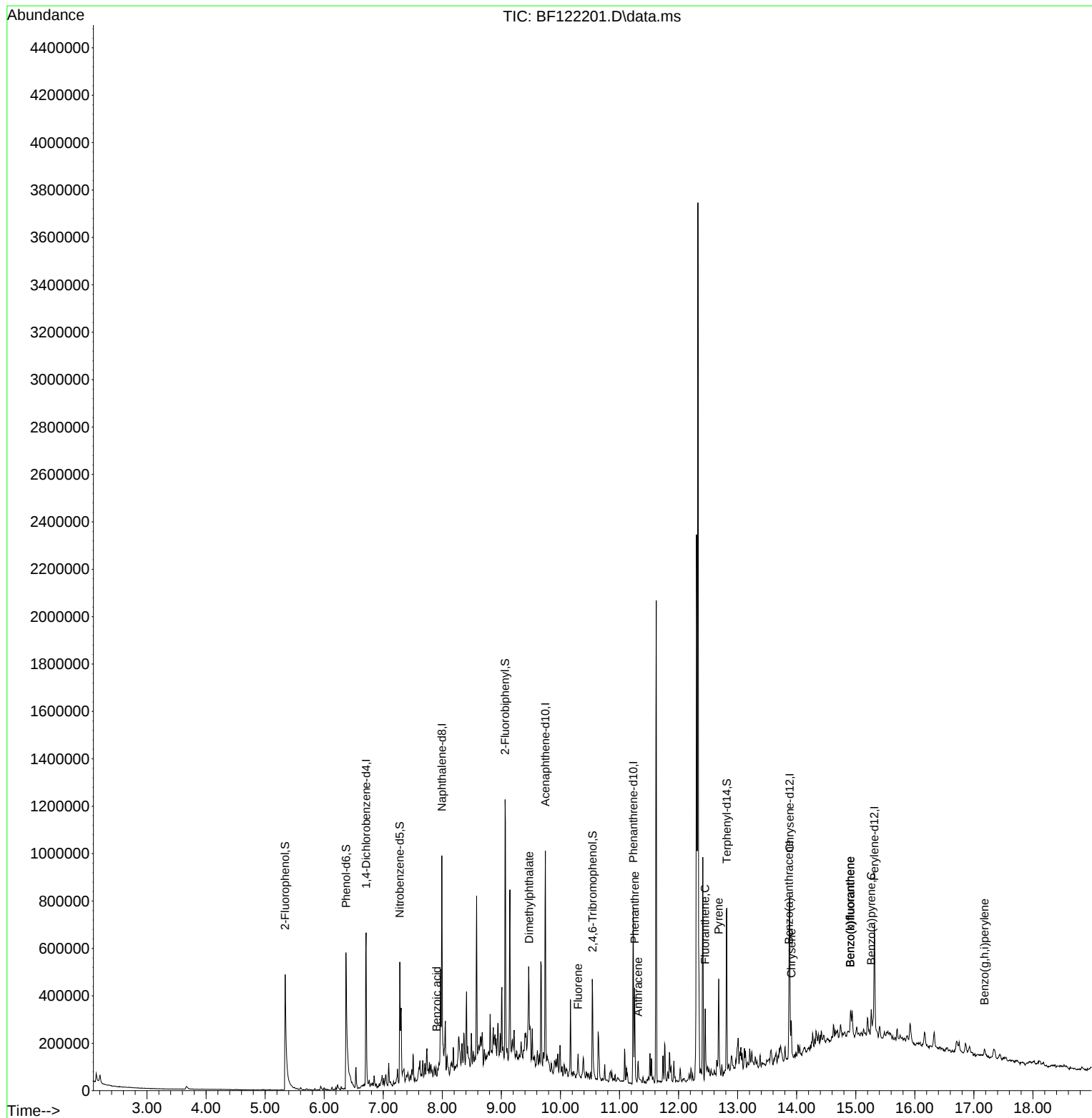
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	103804	20.00	ng	0.00
21) Naphthalene-d8	7.992	136	382054	20.00	ng	0.00
39) Acenaphthene-d10	9.745	164	173603	20.00	ng	0.00
64) Phenanthrene-d10	11.233	188	250076	20.00	ng	0.00
76) Chrysene-d12	13.880	240	220555	20.00	ng	0.00
86) Perylene-d12	15.315	264	220354	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	259919	36.96	ng	0.00
7) Phenol-d6	6.369	99	321594	35.52	ng	0.00
23) Nitrobenzene-d5	7.281	82	198856	26.69	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	58306	27.15	ng	0.00
45) 2-Fluorobiphenyl	9.063	172	348026	29.50	ng	-0.01
79) Terphenyl-d14	12.816	244	209478	18.10	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.310	77	132	Below Cal	#	1
32) Benzoic acid	7.904	122	132	7.72 ng	#	51
50) Dimethylphthalate	9.469	163	63433	5.00 ng		100
58) Fluorene	10.298	166	27520	2.33 ng		98
71) Phenanthrene	11.257	178	147318	10.74 ng		99
72) Anthracene	11.316	178	42671	3.00 ng		99
75) Fluoranthene	12.451	202	101583	6.91 ng		99
78) Pyrene	12.680	202	145240	8.64 ng		98
81) Benzo(a)anthracene	13.868	228	63465	4.39 ng		99
83) Chrysene	13.910	228	61817	4.36 ng		97
88) Benzo(b)fluoranthene	14.909	252	77805	5.22 ng	#	94
89) Benzo(k)fluoranthene	14.909	252	77805	5.50 ng	#	93
90) Benzo(a)pyrene	15.262	252	50613	3.93 ng	#	94
92) Benzo(g,h,i)perylene	17.180	276	24377	2.07 ng	#	89

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

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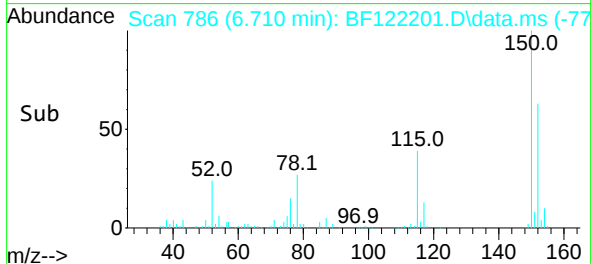
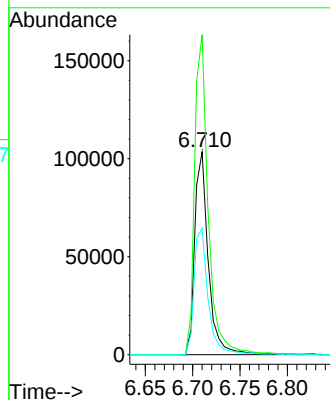
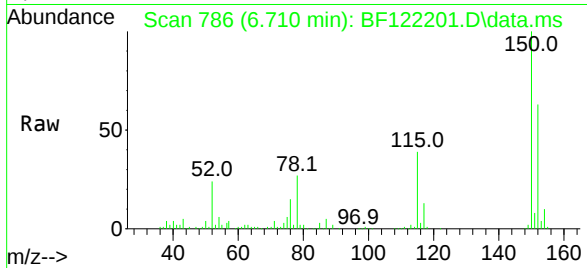




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.710 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF122201.D
Acq: 31 Oct 2020 1:59

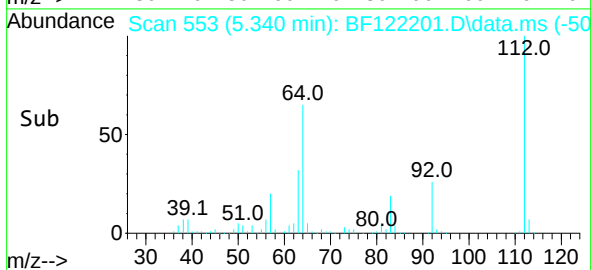
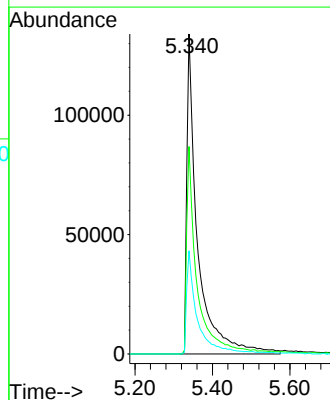
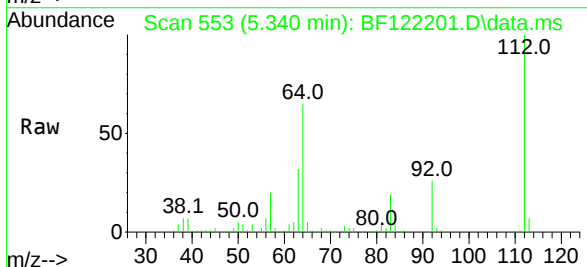
Instrument :
BNA_F
ClientSampleId :
EO-02-102920

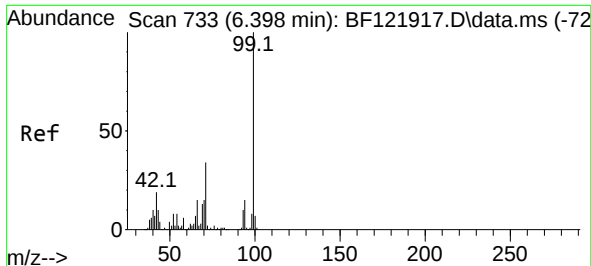
Tgt Ion:152 Resp: 103804
Ion Ratio Lower Upper
152 100
150 157.7 125.3 187.9
115 62.3 51.9 77.9



#5
2-Fluorophenol
Concen: 36.96 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.006 min
Lab File: BF122201.D
Acq: 31 Oct 2020 1:59

Tgt Ion:112 Resp: 259919
Ion Ratio Lower Upper
112 100
64 64.8 50.4 75.6
63 32.2 25.8 38.6

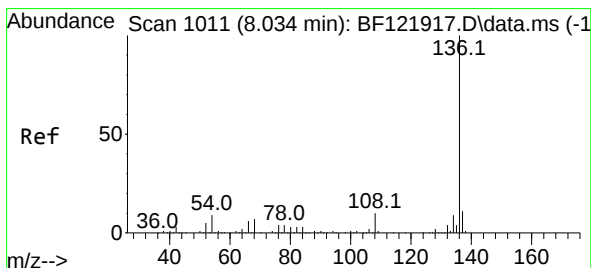
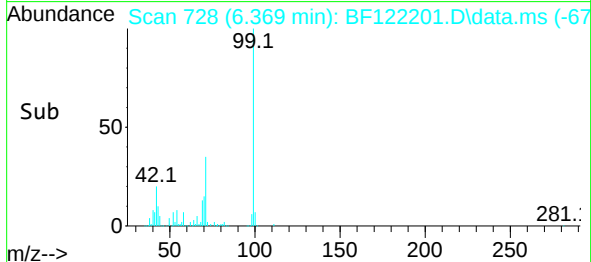
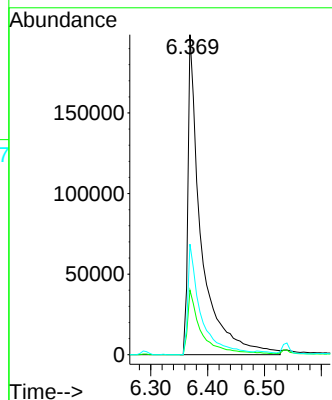
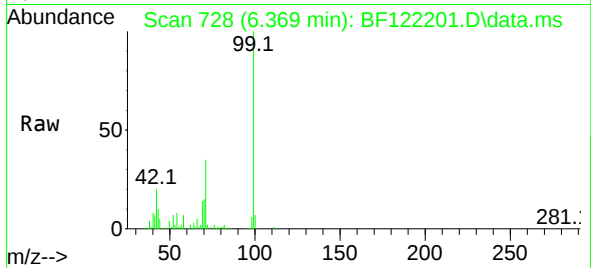




#7
Phenol-d6
Concen: 35.52 ng
RT: 6.369 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF122201.D
Acq: 31 Oct 2020 1:59

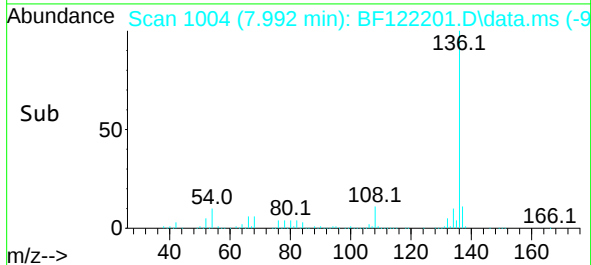
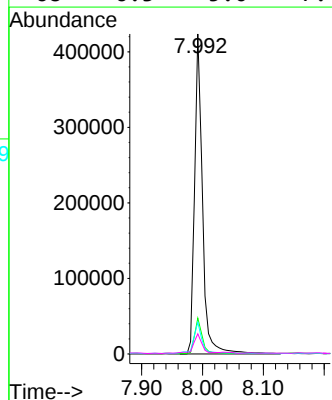
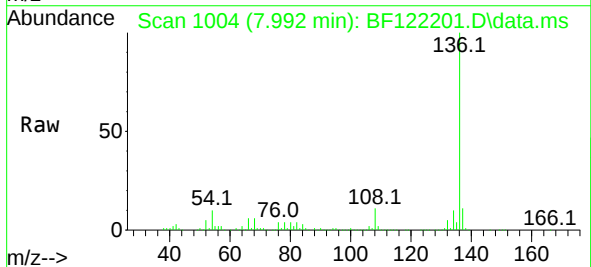
Instrument :
BNA_F
ClientSampleId :
EO-02-102920

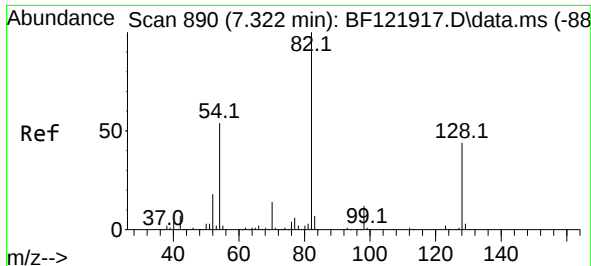
Tgt Ion: 99 Resp: 321594
Ion Ratio Lower Upper
99 100
42 20.2 15.9 23.9
71 34.5 27.1 40.7



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF122201.D
Acq: 31 Oct 2020 1:59

Tgt Ion: 136 Resp: 382054
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 9.9 7.1 10.7
68 6.3 5.0 7.4





#23

Nitrobenzene-d5

Concen: 26.69 ng

RT: 7.281 min Scan# 883

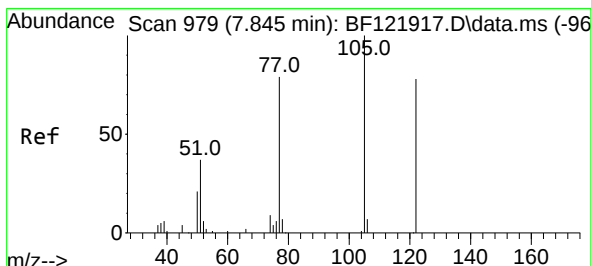
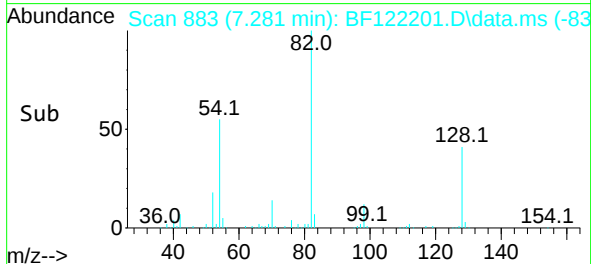
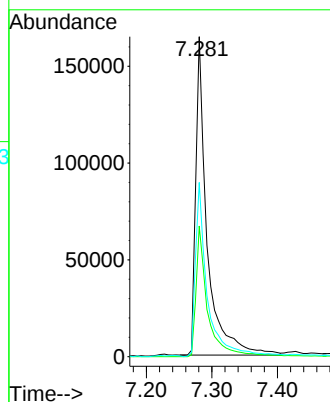
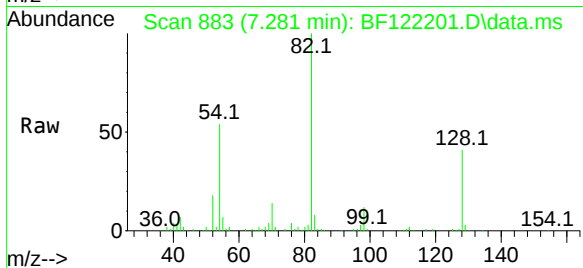
Delta R.T. -0.006 min

Lab File: BF122201.D

Acq: 31 Oct 2020 1:59

Tgt Ion: 82 Resp: 198856

Ion	Ratio	Lower	Upper
82	100		
128	40.8	35.0	52.4
54	54.5	43.9	65.9



#32

Benzoic acid

Concen: 7.72 ng

RT: 7.904 min Scan# 989

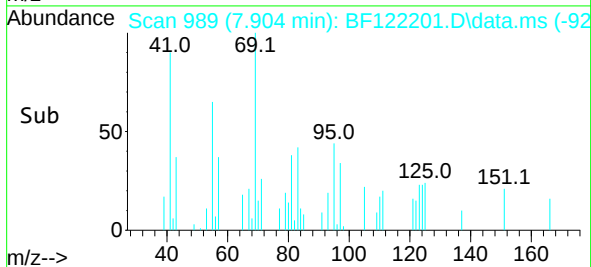
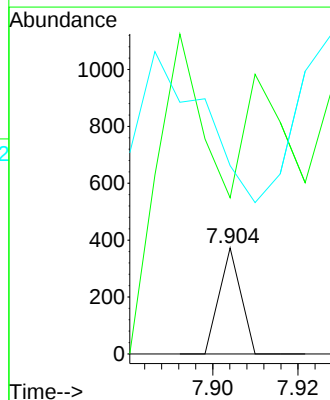
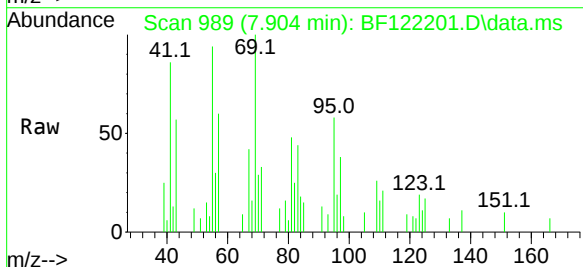
Delta R.T. 0.076 min

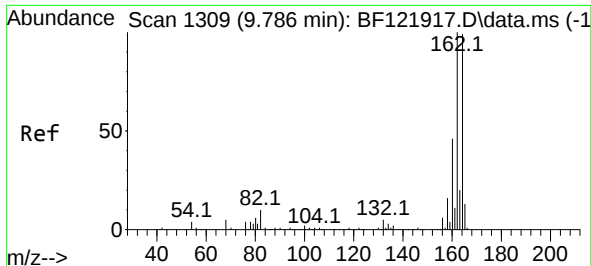
Lab File: BF122201.D

Acq: 31 Oct 2020 1:59

Tgt Ion: 122 Resp: 132

Ion	Ratio	Lower	Upper
122	100		
105	147.2	103.3	143.3#
77	177.5	73.9	113.9#

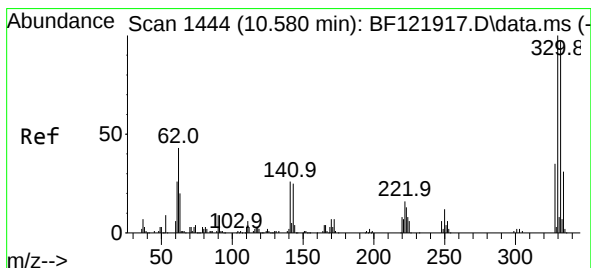
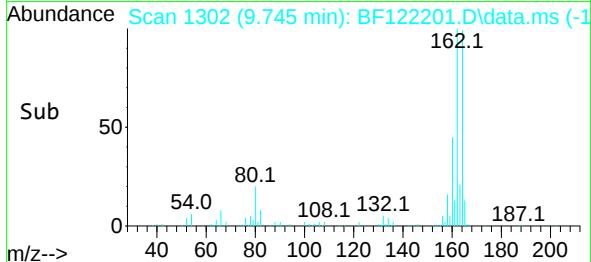
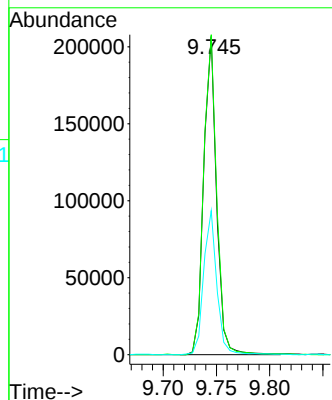
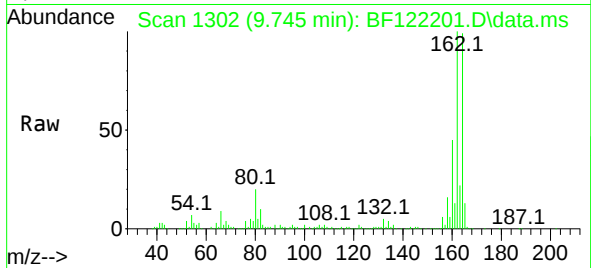




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF122201.D
Acq: 31 Oct 2020 1:59

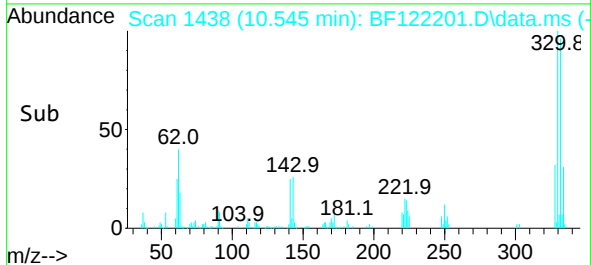
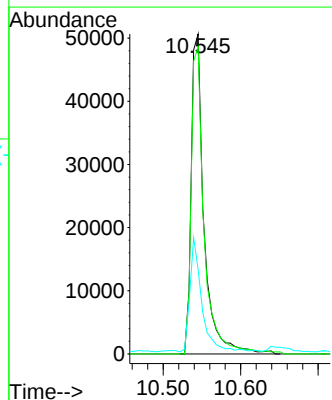
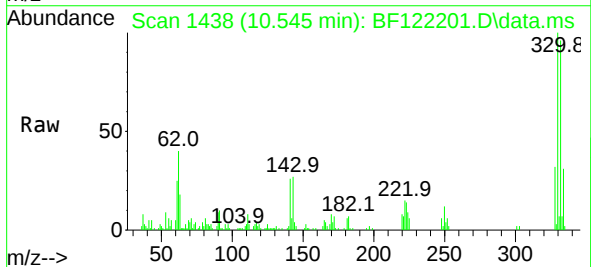
Instrument :
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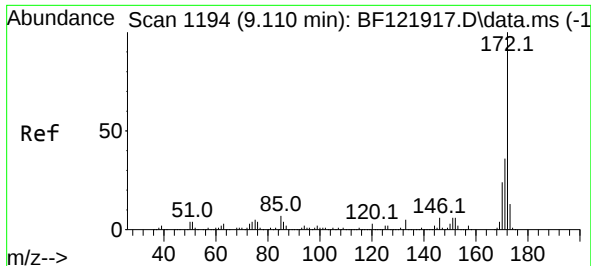
Tgt Ion:164 Resp: 173603
Ion Ratio Lower Upper
164 100
162 100.6 83.2 124.8
160 45.2 37.5 56.3



#42
2,4,6-Tribromophenol
Concen: 27.15 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.000 min
Lab File: BF122201.D
Acq: 31 Oct 2020 1:59

Tgt Ion:330 Resp: 58306
Ion Ratio Lower Upper
330 100
332 97.2 77.3 115.9
141 33.4 22.3 33.5

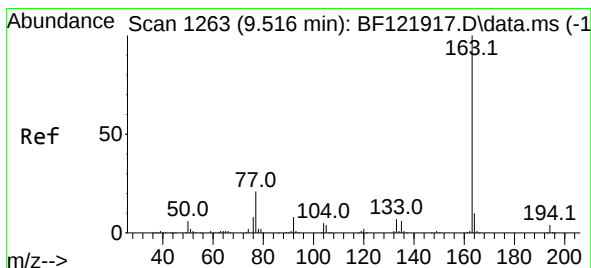
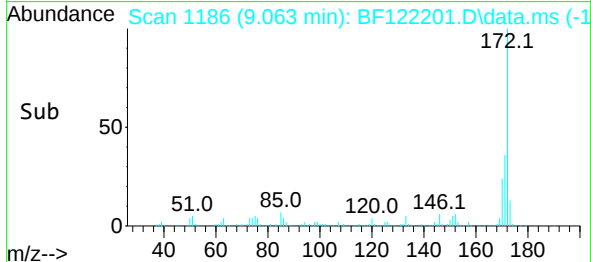
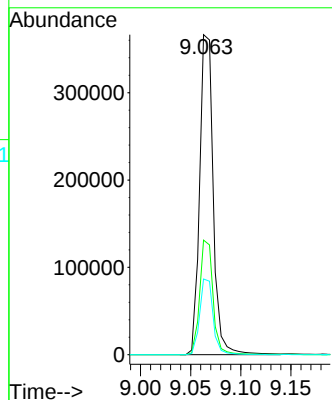
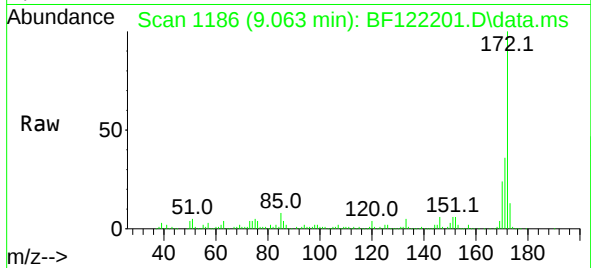




#45
2-Fluorobiphenyl
Concen: 29.50 ng
RT: 9.063 min Scan# 1186
Delta R.T. -0.012 min
Lab File: BF122201.D
Acq: 31 Oct 2020 1:59

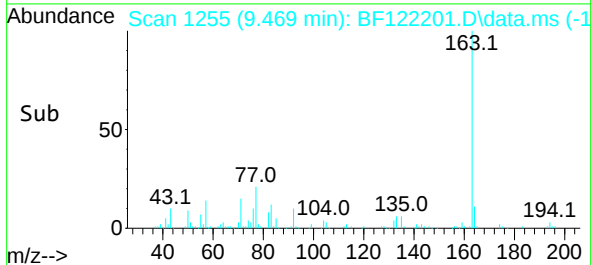
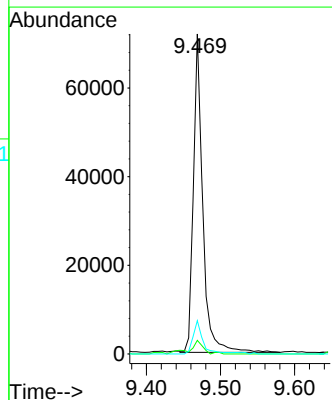
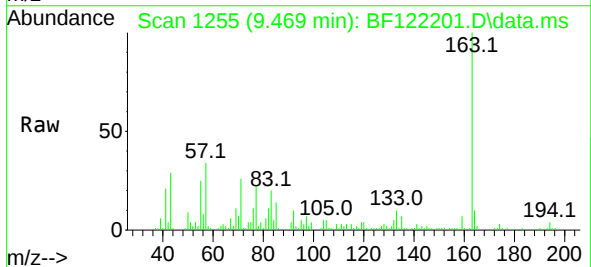
Instrument :
BNA_F
ClientSampleId :
EO-02-102920

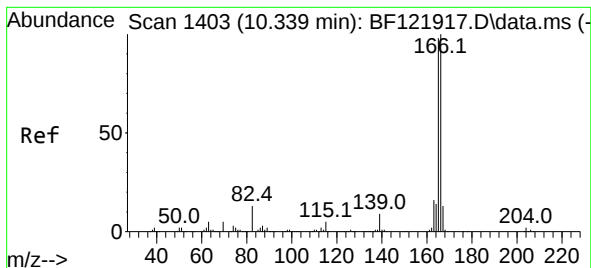
Tgt Ion:172 Resp: 348026
Ion Ratio Lower Upper
172 100
171 35.8 29.1 43.7
170 23.6 19.8 29.6



#50
Dimethylphthalate
Concen: 5.00 ng
RT: 9.469 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BF122201.D
Acq: 31 Oct 2020 1:59

Tgt Ion:163 Resp: 63433
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 10.4 8.2 12.4





#58

Fluorene

Concen: 2.33 ng

RT: 10.298 min Scan# 1396

Delta R.T. -0.000 min

Lab File: BF122201.D

Acq: 31 Oct 2020 1:59

Tgt Ion:166 Resp: 27520

Ion Ratio Lower Upper

166 100

165 101.1 79.1 118.7

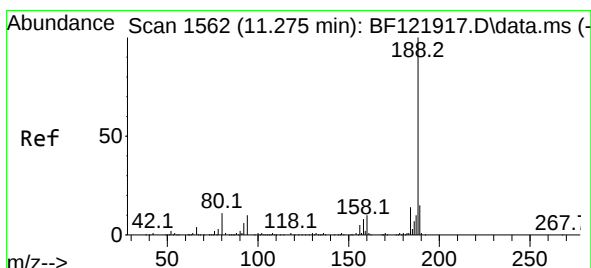
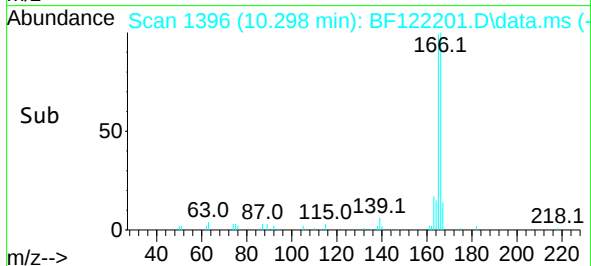
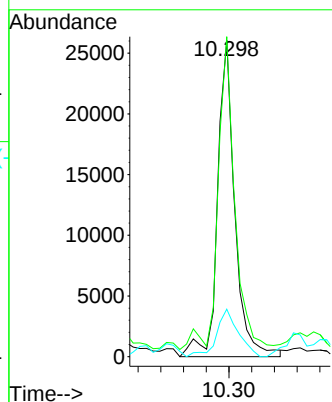
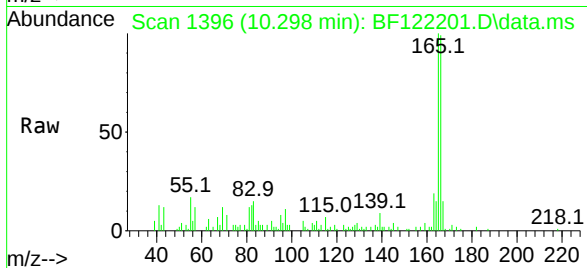
167 15.0 11.0 16.6

Instrument :

BNA_F

ClientSampleId :

EO-02-102920



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.233 min Scan# 1555

Delta R.T. -0.000 min

Lab File: BF122201.D

Acq: 31 Oct 2020 1:59

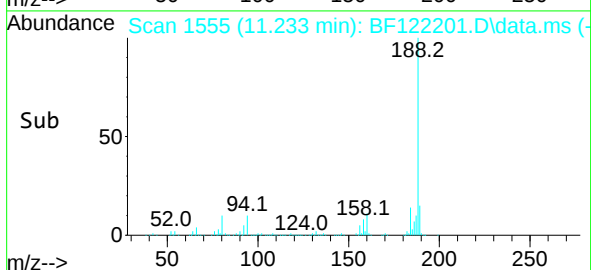
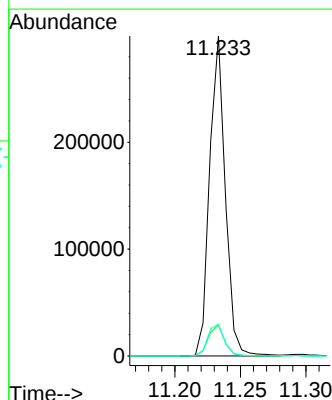
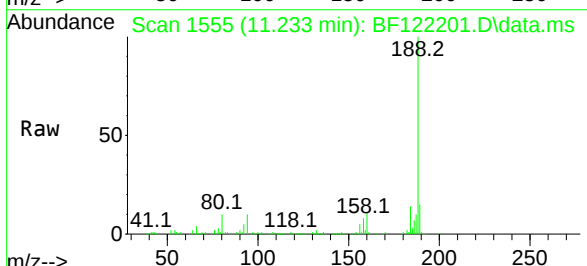
Tgt Ion:188 Resp: 250076

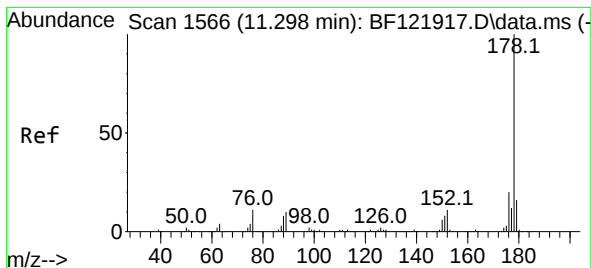
Ion Ratio Lower Upper

188 100

94 9.7 8.3 12.5

80 10.0 9.1 13.7





#71

Phenanthrene

Concen: 10.74 ng

RT: 11.257 min Scan# 1559

Delta R.T. -0.006 min

Lab File: BF122201.D

Acq: 31 Oct 2020 1:59

Tgt Ion:178 Resp: 147318

Ion Ratio Lower Upper

178 100

176 19.0 15.9 23.9

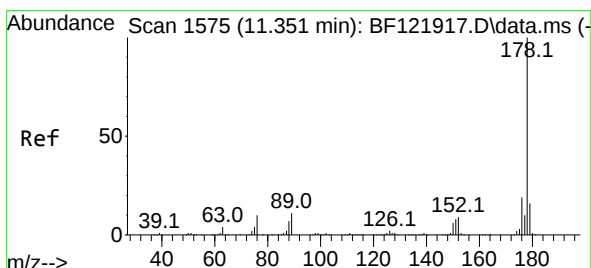
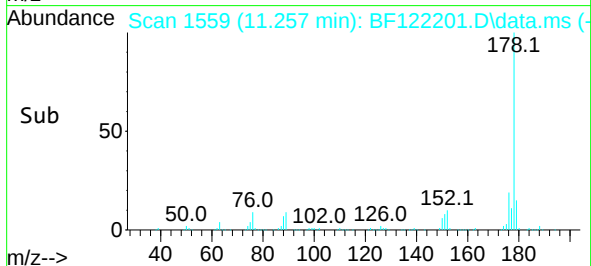
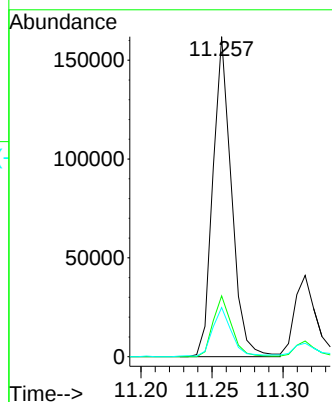
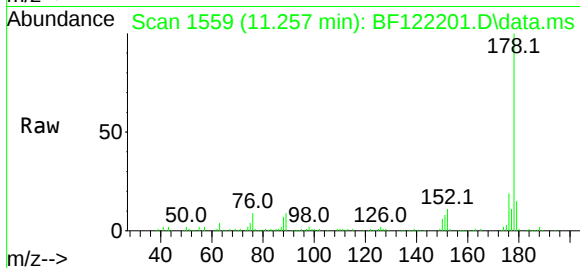
179 15.3 12.2 18.4

Instrument :

BNA_F

ClientSampleId :

EO-02-102920



#72

Anthracene

Concen: 3.00 ng

RT: 11.316 min Scan# 1569

Delta R.T. -0.000 min

Lab File: BF122201.D

Acq: 31 Oct 2020 1:59

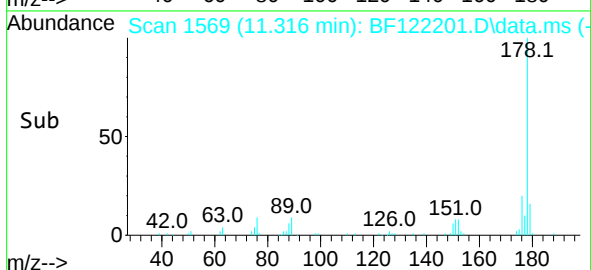
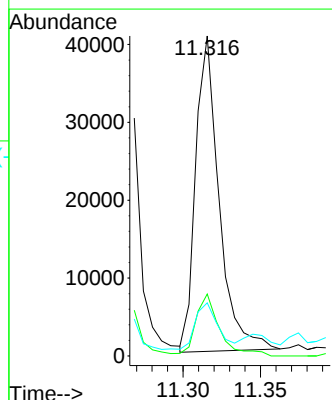
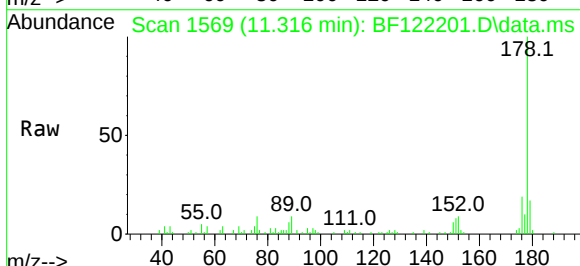
Tgt Ion:178 Resp: 42671

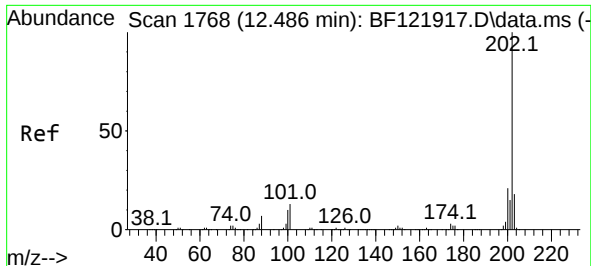
Ion Ratio Lower Upper

178 100

176 19.4 15.7 23.5

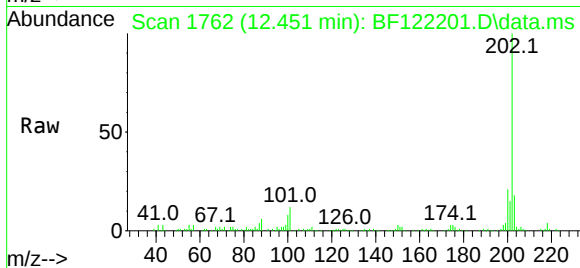
179 16.6 12.7 19.1



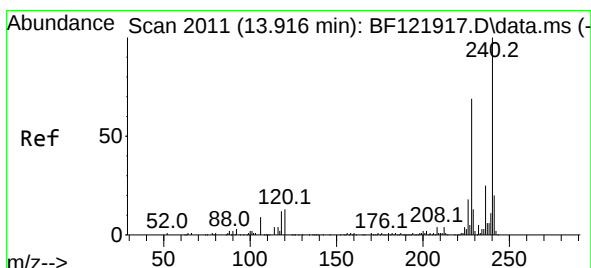
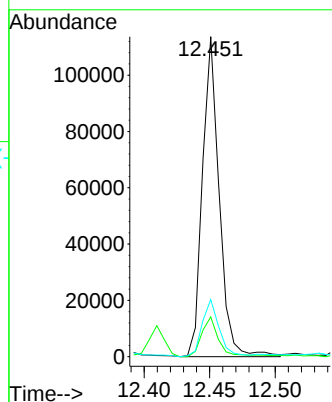
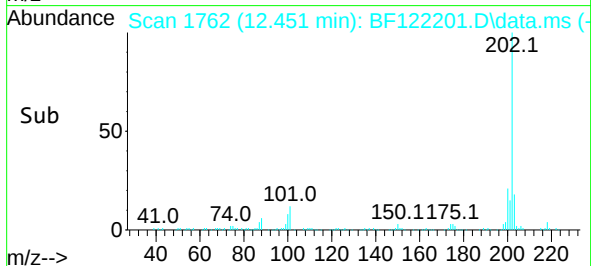


#75
Fluoranthene
Concen: 6.91 ng
RT: 12.451 min Scan# 1762
Delta R.T. -0.000 min
Lab File: BF122201.D
Acq: 31 Oct 2020 1:59

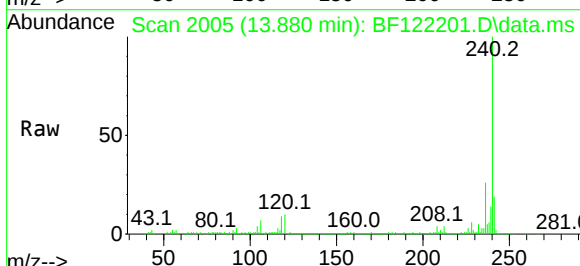
Instrument :
BNA_F
ClientSampleId :
EO-02-102920



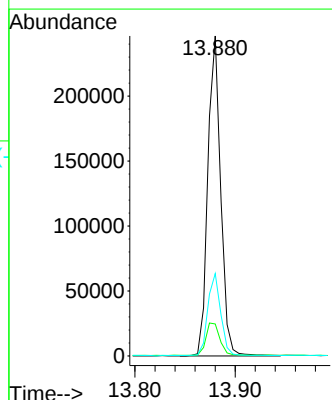
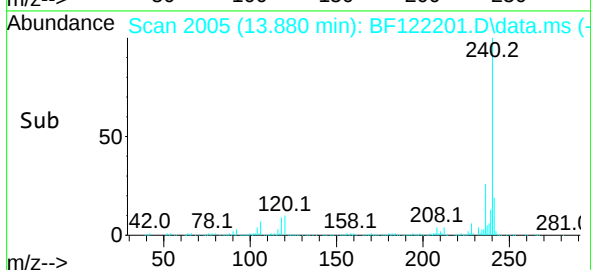
Tgt Ion:202 Resp: 101583
Ion Ratio Lower Upper
202 100
101 12.4 0.0 33.4
203 17.9 0.0 37.9

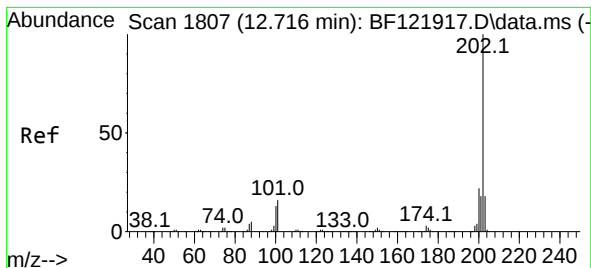


#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.000 min
Lab File: BF122201.D
Acq: 31 Oct 2020 1:59



Tgt Ion:240 Resp: 220555
Ion Ratio Lower Upper
240 100
120 10.0 9.2 13.8
236 25.8 20.9 31.3





#78

Pyrene

Concen: 8.64 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.000 min

Lab File: BF122201.D

Acq: 31 Oct 2020 1:59

Tgt Ion:202 Resp: 145240

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

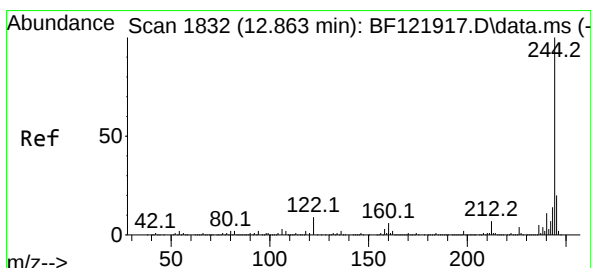
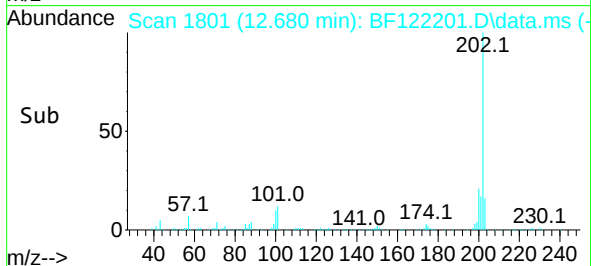
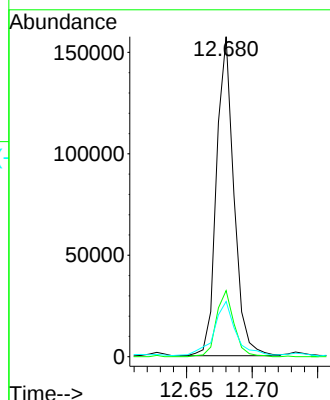
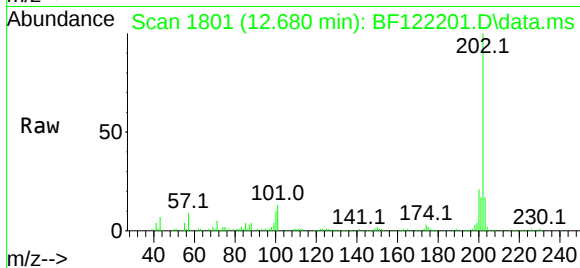
203 17.3 14.6 21.8

Instrument :

BNA_F

ClientSampleId :

EO-02-102920



#79

Terphenyl-d14

Concen: 18.10 ng

RT: 12.816 min Scan# 1824

Delta R.T. -0.000 min

Lab File: BF122201.D

Acq: 31 Oct 2020 1:59

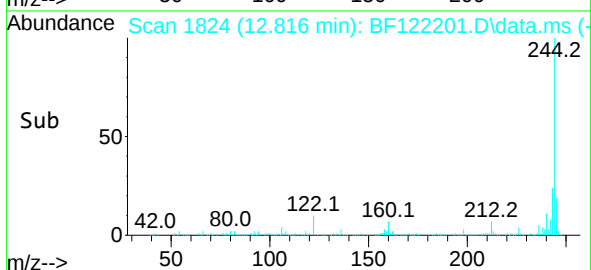
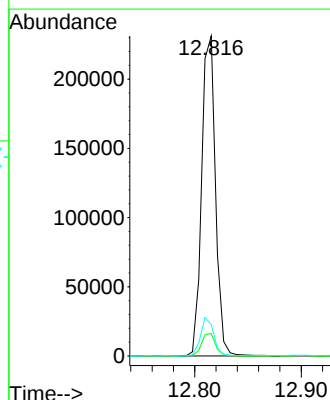
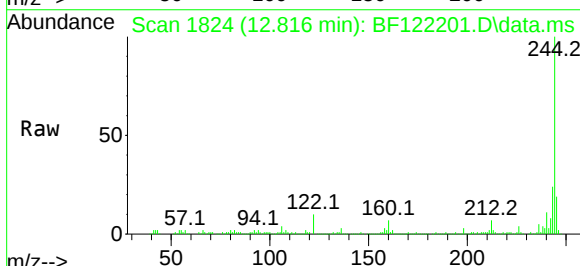
Tgt Ion:244 Resp: 209478

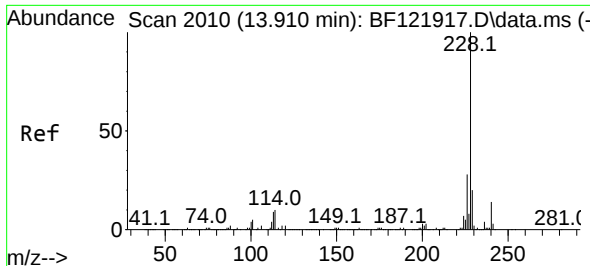
Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

122 9.8 8.1 12.1

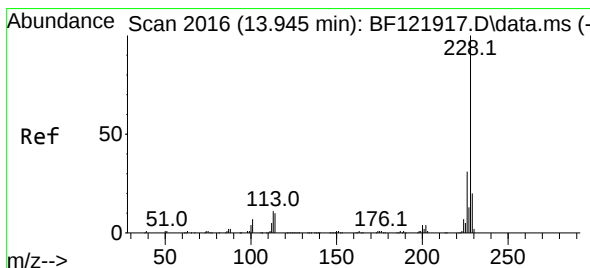
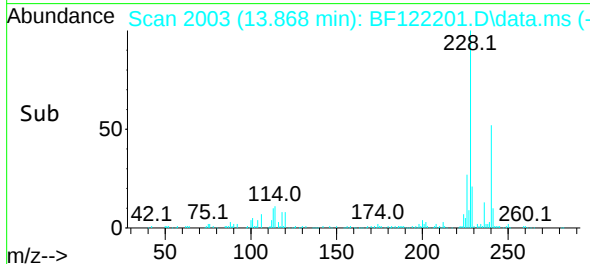
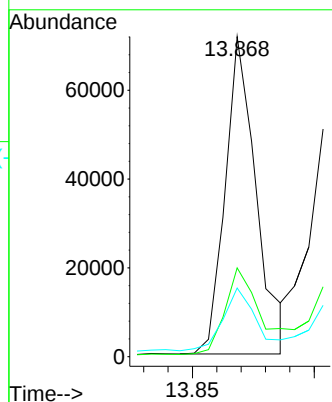
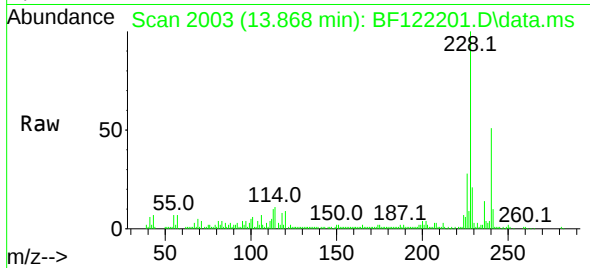




#81
Benzo(a)anthracene
Concen: 4.39 ng
RT: 13.868 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BF122201.D
Acq: 31 Oct 2020 1:59

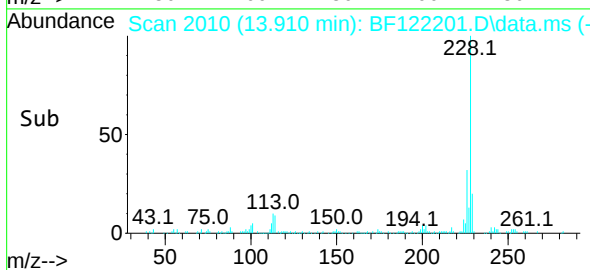
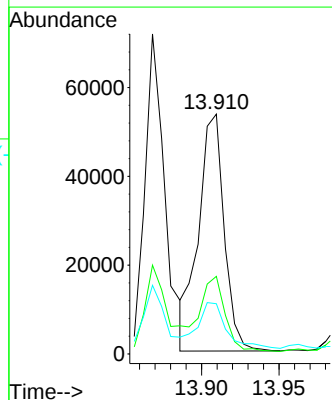
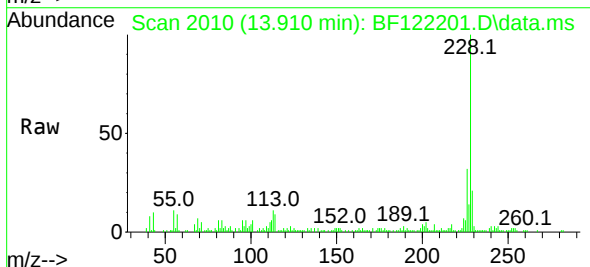
Instrument :
BNA_F
ClientSampleId :
EO-02-102920

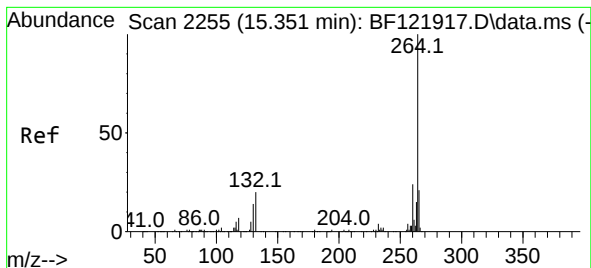
Tgt Ion:228 Resp: 63465
Ion Ratio Lower Upper
228 100
226 27.7 22.3 33.5
229 21.5 16.2 24.4



#83
Chrysene
Concen: 4.36 ng
RT: 13.910 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BF122201.D
Acq: 31 Oct 2020 1:59

Tgt Ion:228 Resp: 61817
Ion Ratio Lower Upper
228 100
226 32.4 24.6 37.0
229 21.0 15.9 23.9

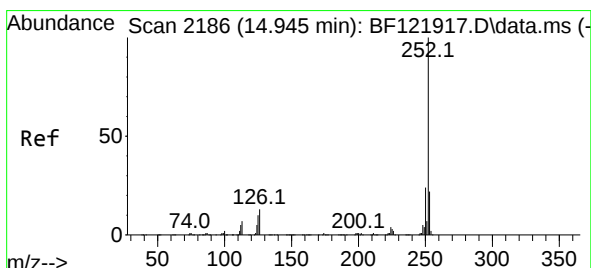
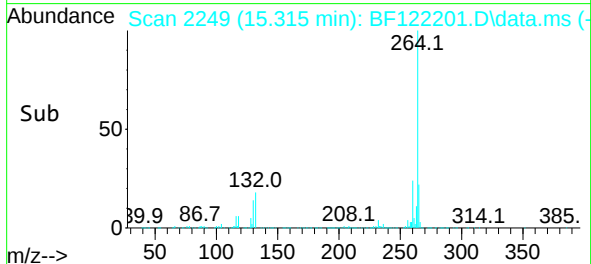
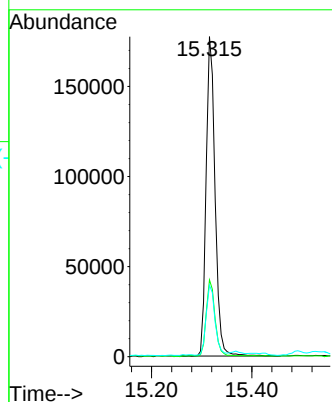
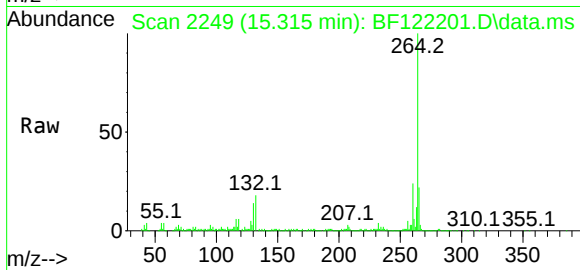




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.315 min Scan# 2249
Delta R.T. 0.012 min
Lab File: BF122201.D
Acq: 31 Oct 2020 1:59

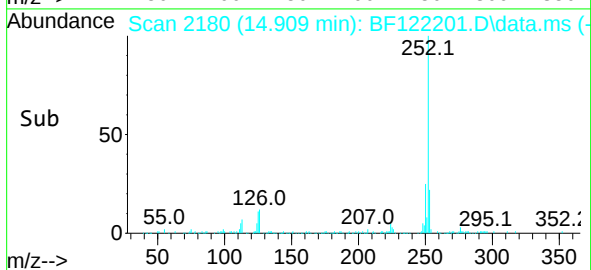
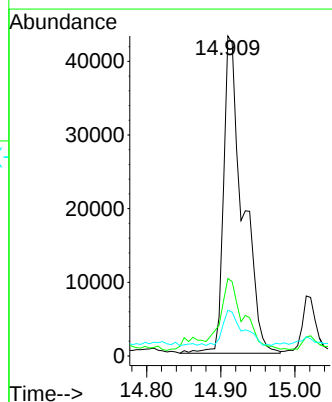
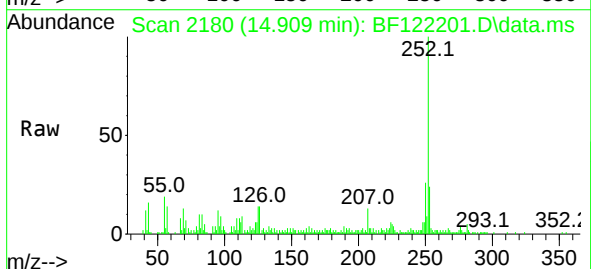
Instrument :
BNA_F
ClientSampleId :
EO-02-102920

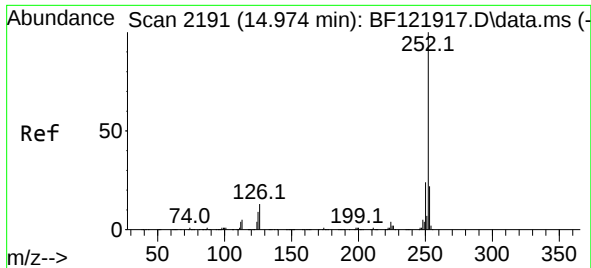
Tgt Ion:264 Resp: 220354
Ion Ratio Lower Upper
264 100
260 24.0 18.7 28.1
265 22.3 17.3 25.9



#88
Benzo(b)fluoranthene
Concen: 5.22 ng
RT: 14.909 min Scan# 2180
Delta R.T. 0.012 min
Lab File: BF122201.D
Acq: 31 Oct 2020 1:59

Tgt Ion:252 Resp: 77805
Ion Ratio Lower Upper
252 100
253 24.2 18.2 27.2
125 14.3 8.0 12.0#

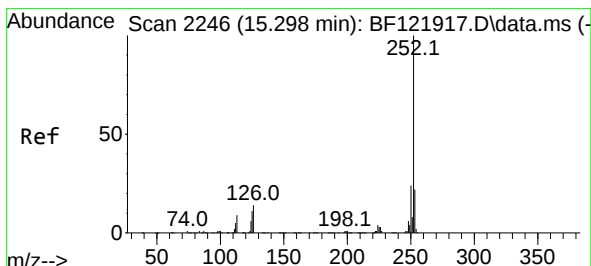
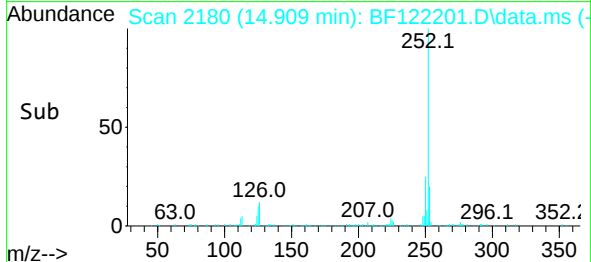
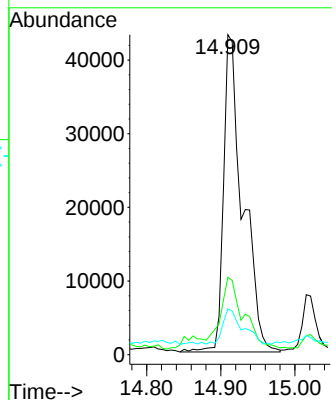
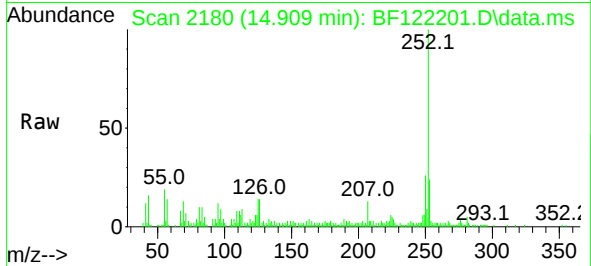




#89
Benzo(k)fluoranthene
Concen: 5.50 ng
RT: 14.909 min Scan# 2180
Delta R.T. -0.018 min
Lab File: BF122201.D
Acq: 31 Oct 2020 1:59

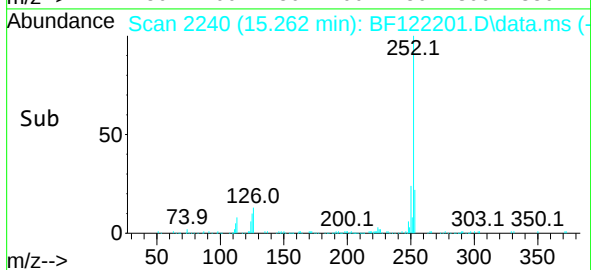
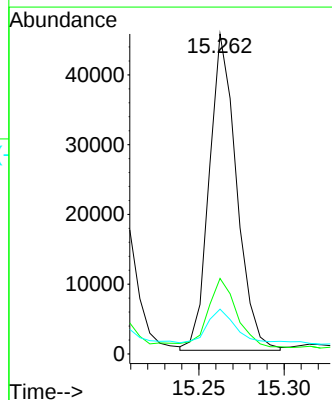
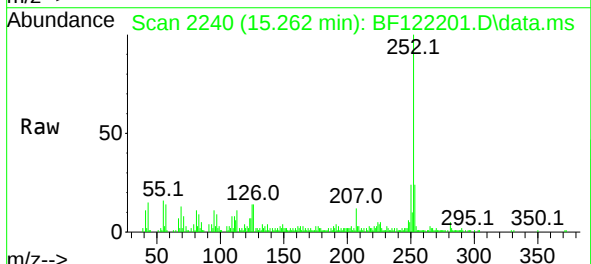
Instrument :
BNA_F
ClientSampleId :
EO-02-102920

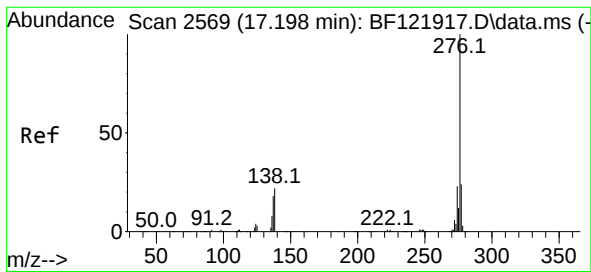
Tgt Ion:252 Resp: 77805
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.6
125 14.3 7.7 11.5#



#90
Benzo(a)pyrene
Concen: 3.93 ng
RT: 15.262 min Scan# 2240
Delta R.T. 0.012 min
Lab File: BF122201.D
Acq: 31 Oct 2020 1:59

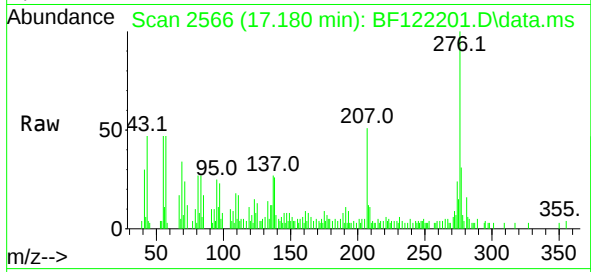
Tgt Ion:252 Resp: 50613
Ion Ratio Lower Upper
252 100
253 23.6 17.3 25.9
125 14.0 8.6 13.0#





#92
Benzo(g,h,i)perylene
Concen: 2.07 ng
RT: 17.180 min Scan# 2566
Delta R.T. 0.047 min
Lab File: BF122201.D
Acq: 31 Oct 2020 1:59

Instrument :
BNA_F
ClientSampleId :
EO-02-102920



Tgt Ion: 276 Resp: 24377
Ion Ratio Lower Upper
276 100
277 31.0 19.4 29.2#
138 25.7 17.8 26.6

