

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110220\
 Data File : BF122234.D
 Acq On : 2 Nov 2020 19:28
 Operator : JU/CG
 Sample : L4521-09DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-5DL

Quant Time: Nov 03 00:04:36 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)

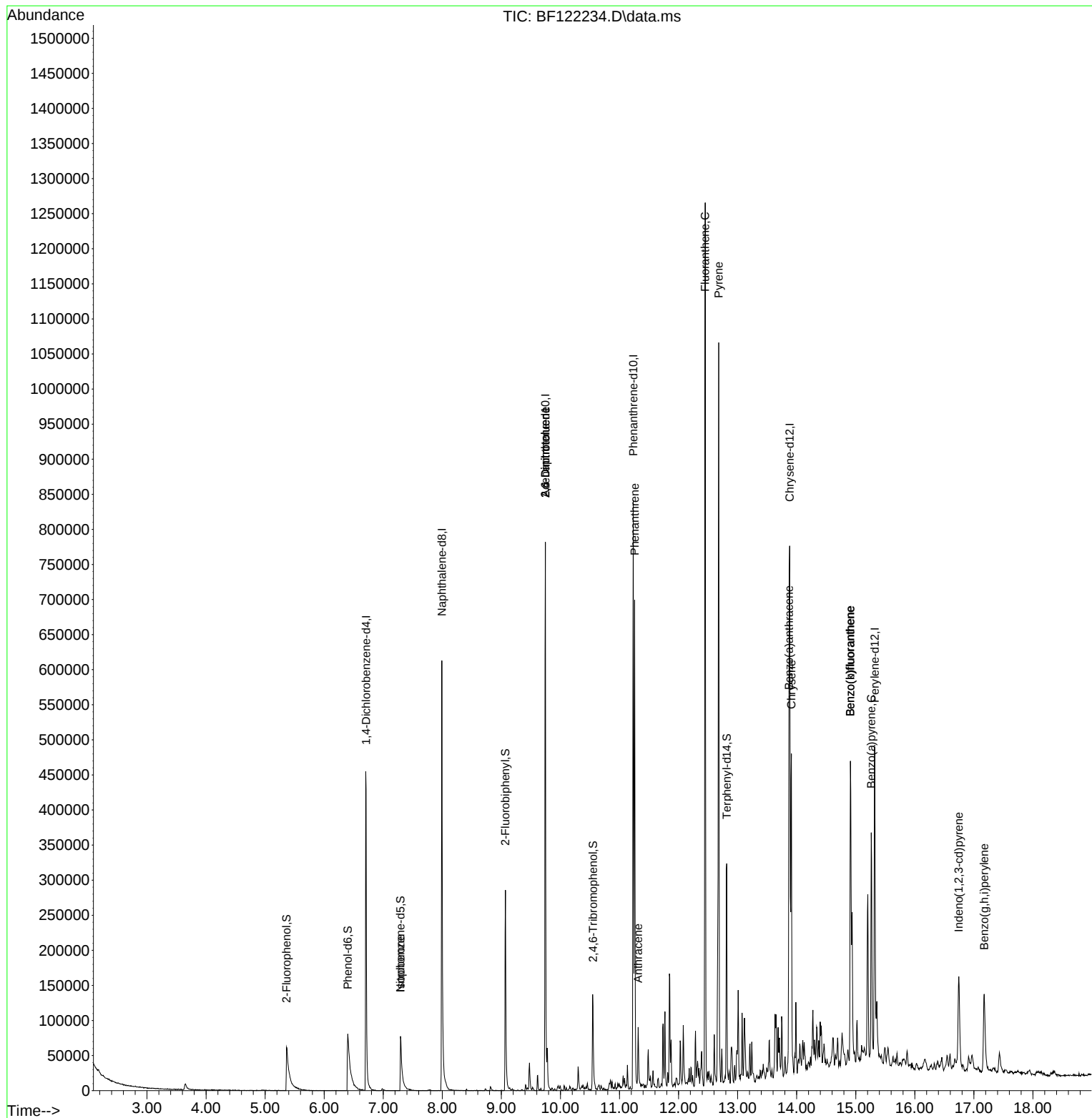
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	80199	20.00	ng	0.00
21) Naphthalene-d8	7.992	136	320852	20.00	ng	0.00
39) Acenaphthene-d10	9.745	164	163727	20.00	ng	0.00
64) Phenanthrene-d10	11.233	188	288684	20.00	ng	0.00
76) Chrysene-d12	13.880	240	202048	20.00	ng	0.00
86) Perylene-d12	15.321	264	201400	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	67715	12.46	ng	0.03
7) Phenol-d6	6.398	99	92000	13.15	ng	0.03
23) Nitrobenzene-d5	7.292	82	62438	9.98	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	21944	10.83	ng	0.00
45) 2-Fluorobiphenyl	9.069	172	114817	10.32	ng	0.00
79) Terphenyl-d14	12.815	244	91871	8.67	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.292	82	62439	5.28	ng	# 67
51) 2,6-Dinitrotoluene	9.745	165	20903	7.96	ng	# 21
57) 2,4-Dinitrotoluene	9.745	165	20903	6.47	ng	# 20
71) Phenanthrene	11.257	178	262268	16.57	ng	99
72) Anthracene	11.316	178	39729	2.42	ng	97
75) Fluoranthene	12.451	202	487405	28.72	ng	97
78) Pyrene	12.680	202	419111	27.22	ng	98
81) Benzo(a)anthracene	13.868	228	164434	12.42	ng	98
83) Chrysene	13.910	228	178534	13.74	ng	98
87) Indeno(1,2,3-cd)pyrene	16.745	276	99999	7.65	ng	# 93
88) Benzo(b)fluoranthene	14.909	252	294563	21.64	ng	99
89) Benzo(k)fluoranthene	14.909	252	294563	22.78	ng	99
90) Benzo(a)pyrene	15.262	252	150025	12.76	ng	98
92) Benzo(g,h,i)perylene	17.174	276	94703	8.79	ng	98

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

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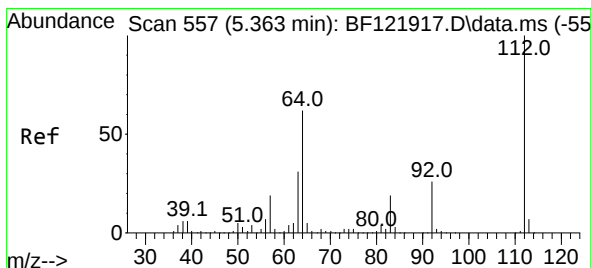
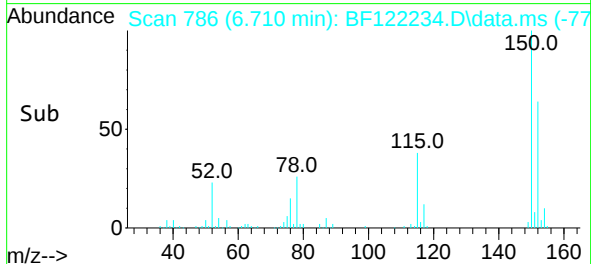
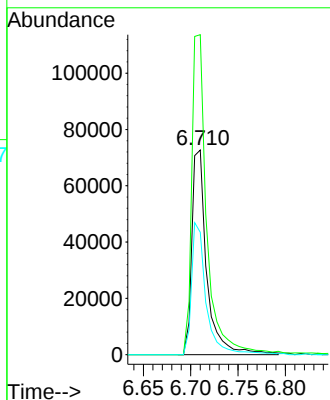
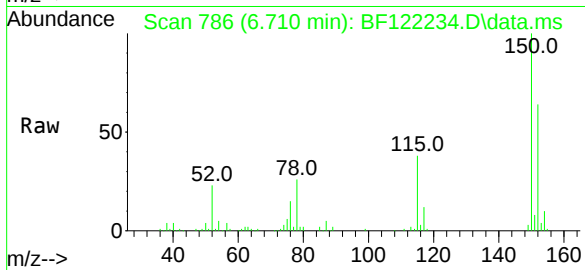




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.710 min Scan# 786
 Delta R.T. -0.006 min
 Lab File: BF122234.D
 Acq: 2 Nov 2020 19:28

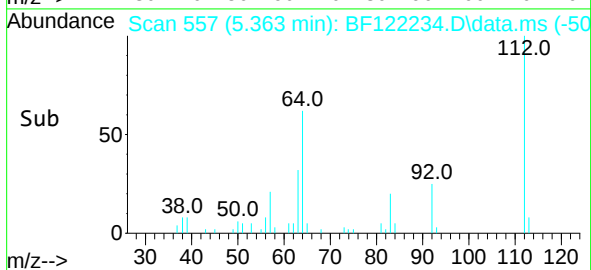
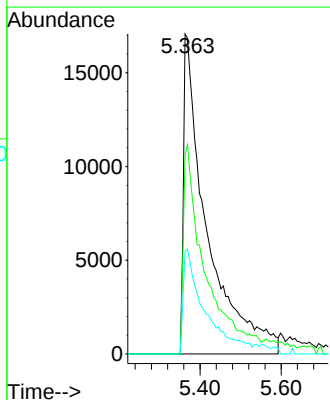
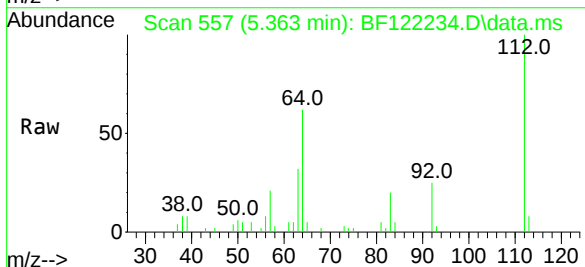
Instrument :
 BNA_F
 ClientSampleId :
 S-5DL

Tgt Ion:152 Resp: 80199
 Ion Ratio Lower Upper
 152 100
 150 156.4 125.3 187.9
 115 59.8 51.9 77.9



#5
 2-Fluorophenol
 Concen: 12.46 ng
 RT: 5.363 min Scan# 557
 Delta R.T. 0.029 min
 Lab File: BF122234.D
 Acq: 2 Nov 2020 19:28

Tgt Ion:112 Resp: 67715
 Ion Ratio Lower Upper
 112 100
 64 62.1 50.4 75.6
 63 32.2 25.8 38.6

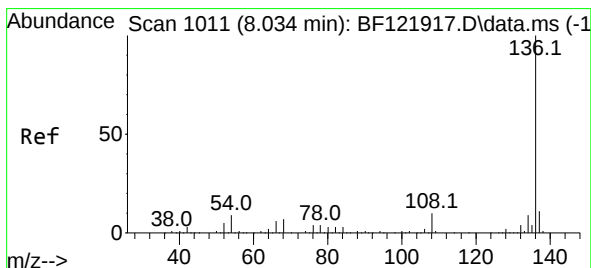
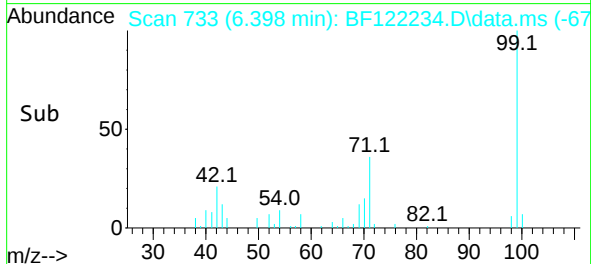
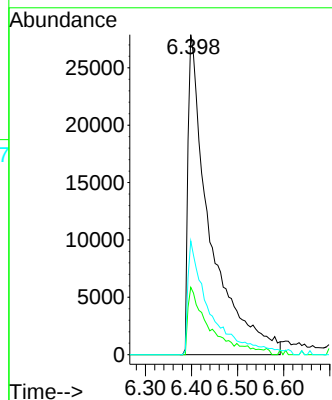
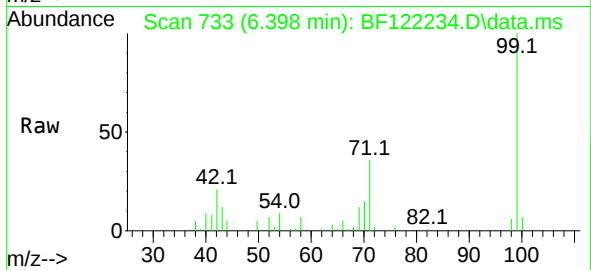




#7
Phenol-d6
Concen: 13.15 ng
RT: 6.398 min Scan# 733
Delta R.T. 0.029 min
Lab File: BF122234.D
Acq: 2 Nov 2020 19:28

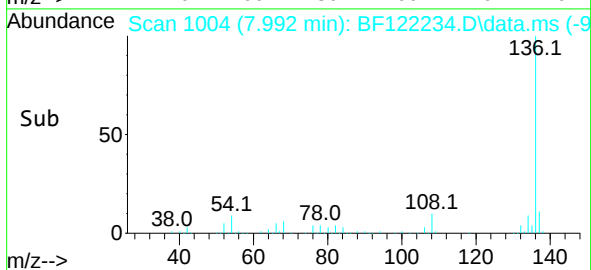
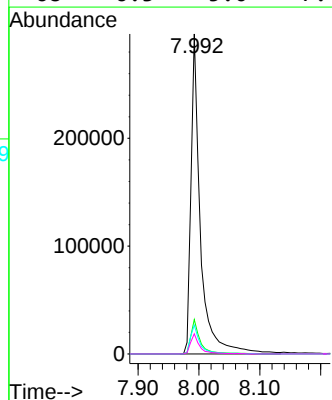
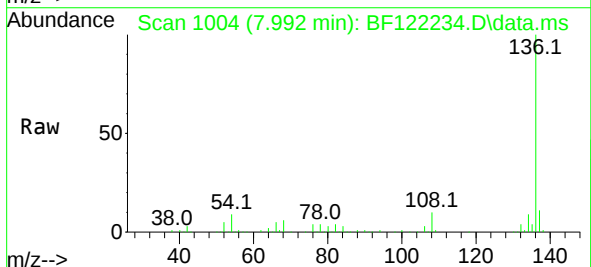
Instrument :
BNA_F
ClientSampled :
S-5DL

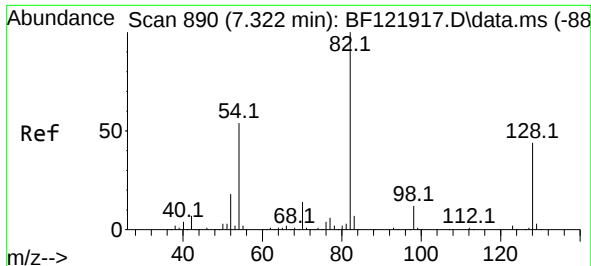
Tgt Ion:	99	Resp:	92000
Ion	Ratio	Lower	Upper
99	100		
42	21.1	15.9	23.9
71	35.6	27.1	40.7



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF122234.D
Acq: 2 Nov 2020 19:28

Tgt Ion:	136	Resp:	320852
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.0	7.1	10.7
68	6.3	5.0	7.4

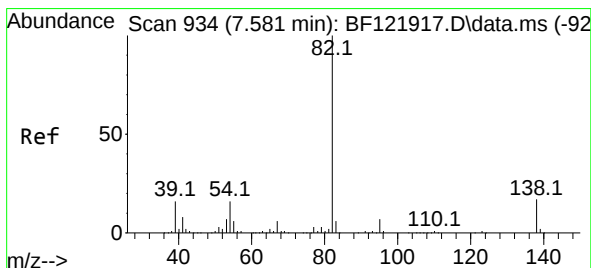
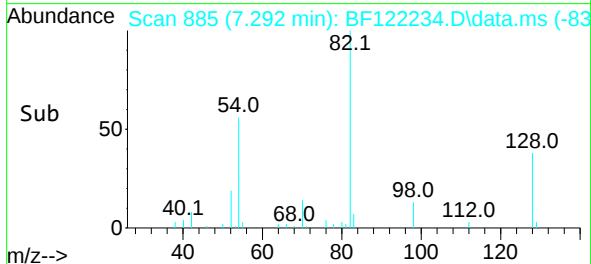
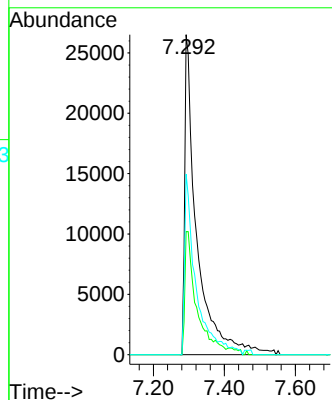
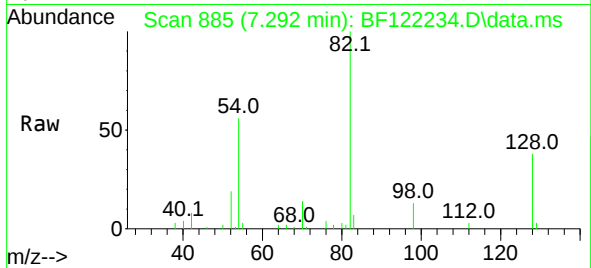




#23
Nitrobenzene-d5
Concen: 9.98 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.006 min
Lab File: BF122234.D
Acq: 2 Nov 2020 19:28

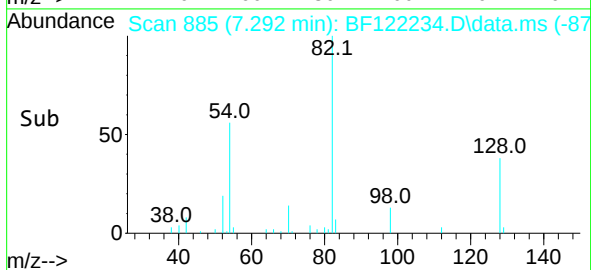
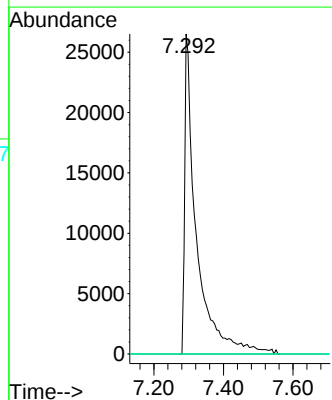
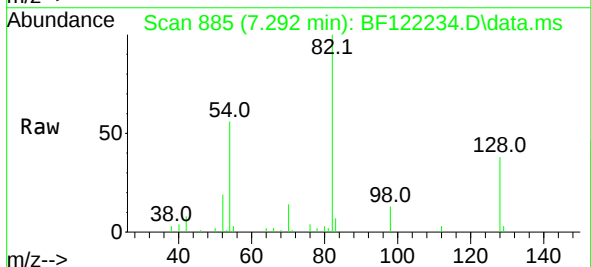
Instrument :
BNA_F
ClientSampled :
S-5DL

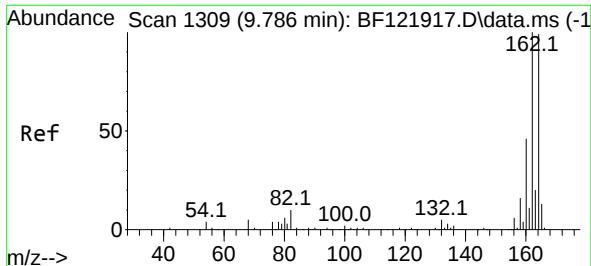
Tgt Ion: 82 Resp: 62438
Ion Ratio Lower Upper
82 100
128 38.4 35.0 52.4
54 56.5 43.9 65.9



#25
Isophorone
Concen: 5.28 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.253 min
Lab File: BF122234.D
Acq: 2 Nov 2020 19:28

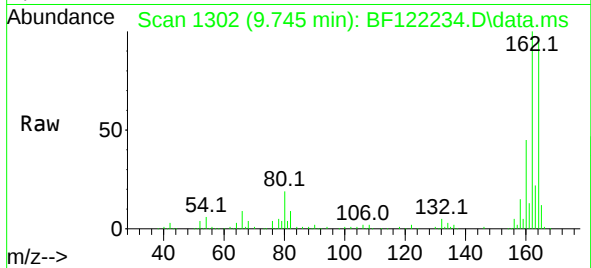
Tgt Ion: 82 Resp: 62439
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



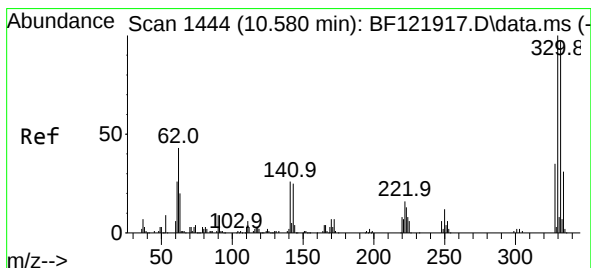
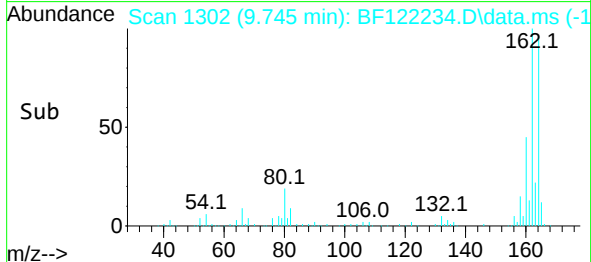
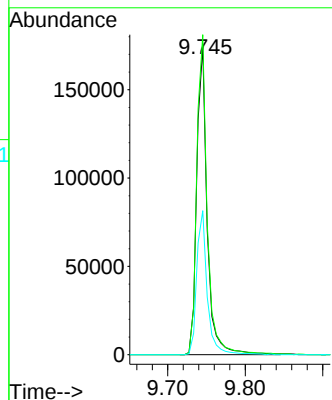


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF122234.D
Acq: 2 Nov 2020 19:28

Instrument :
BNA_F
ClientSampleId :
S-5DL

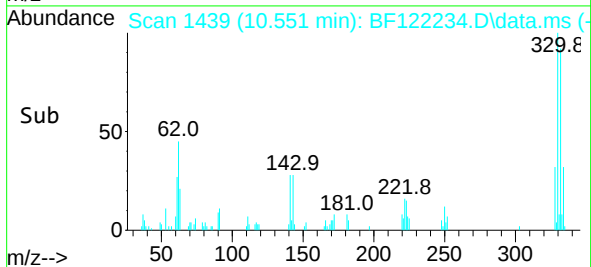
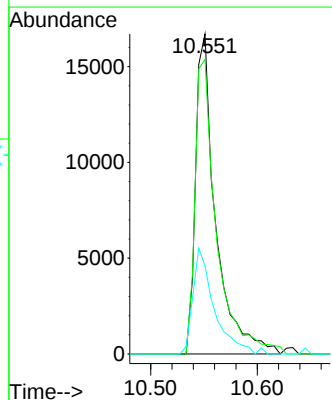
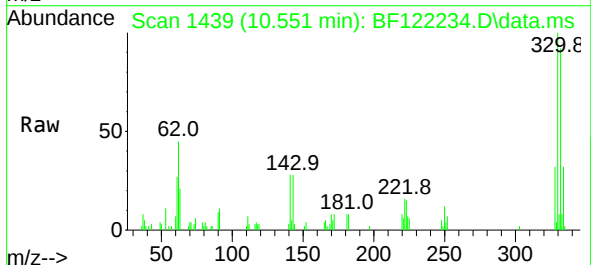


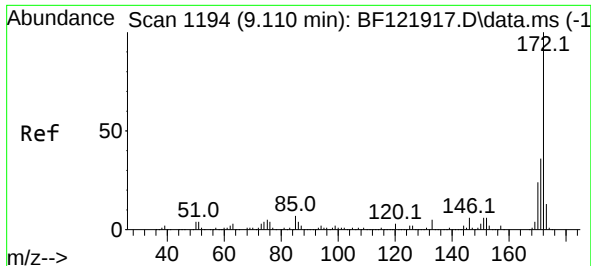
Tgt Ion:164 Resp: 163727
Ion Ratio Lower Upper
164 100
162 104.1 83.2 124.8
160 46.8 37.5 56.3



#42
2,4,6-Tribromophenol
Concen: 10.83 ng
RT: 10.551 min Scan# 1439
Delta R.T. 0.006 min
Lab File: BF122234.D
Acq: 2 Nov 2020 19:28

Tgt Ion:330 Resp: 21944
Ion Ratio Lower Upper
330 100
332 98.2 77.3 115.9
141 35.1 22.3 33.5#

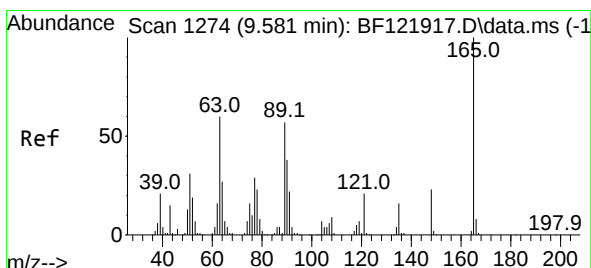
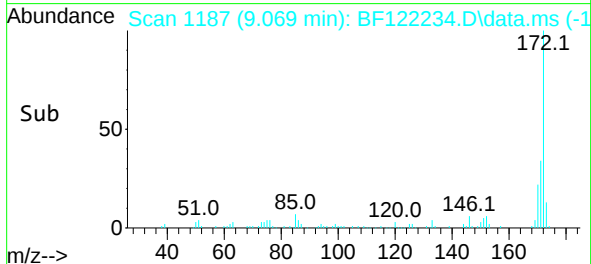
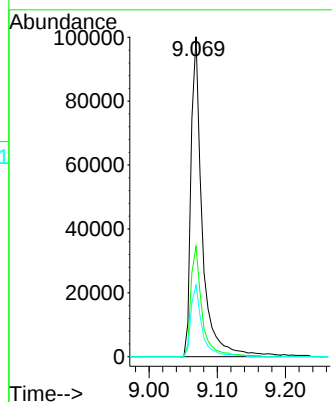
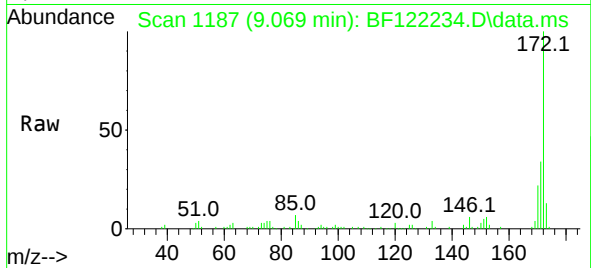




#45
2-Fluorobiphenyl
Concen: 10.32 ng
RT: 9.069 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BF122234.D
Acq: 2 Nov 2020 19:28

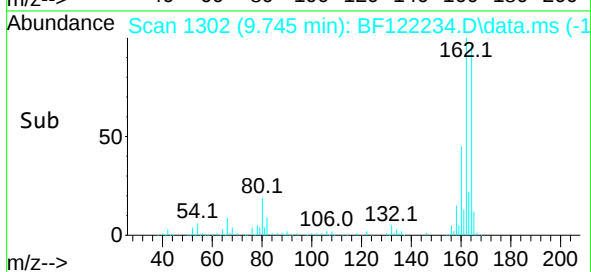
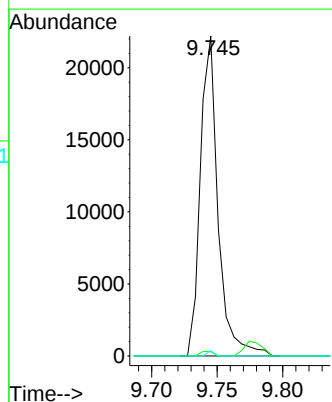
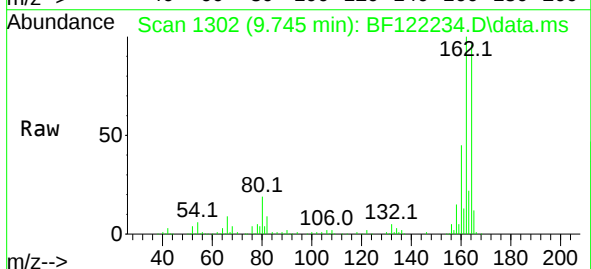
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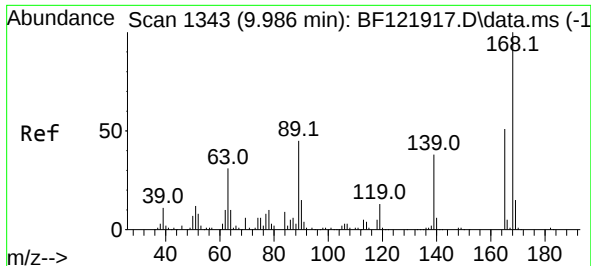
Tgt Ion:172 Resp: 114817
Ion Ratio Lower Upper
172 100
171 34.4 29.1 43.7
170 22.4 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 7.96 ng
RT: 9.745 min Scan# 1302
Delta R.T. 0.194 min
Lab File: BF122234.D
Acq: 2 Nov 2020 19:28

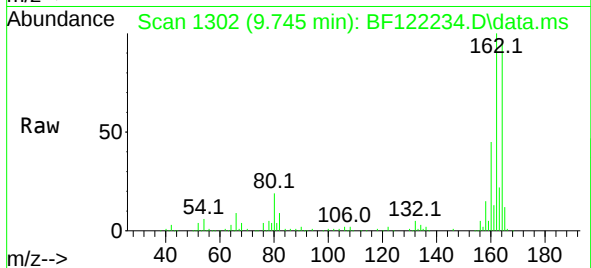
Tgt Ion:165 Resp: 20903
Ion Ratio Lower Upper
165 100
63 1.4 51.8 77.6#
89 1.6 49.0 73.6#



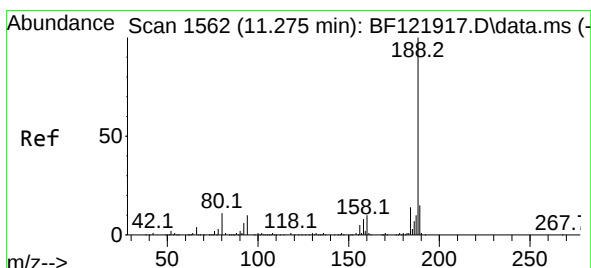
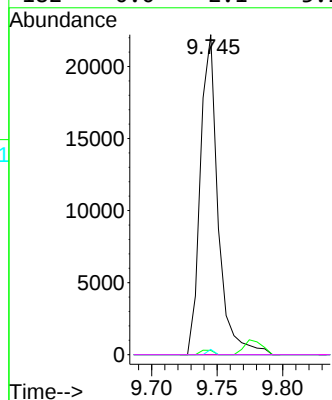
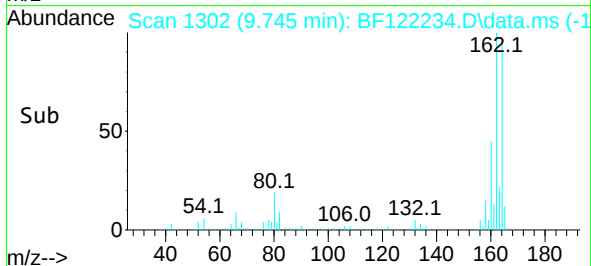


#57
2,4-Dinitrotoluene
Concen: 6.47 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.218 min
Lab File: BF122234.D
Acq: 2 Nov 2020 19:28

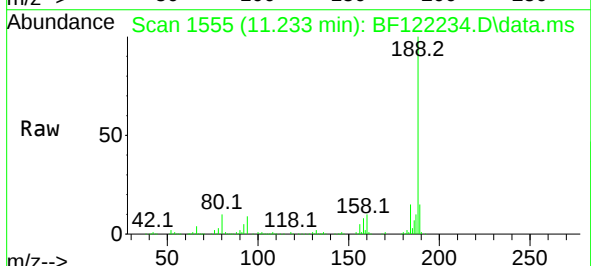
Instrument :
BNA_F
ClientSampled :
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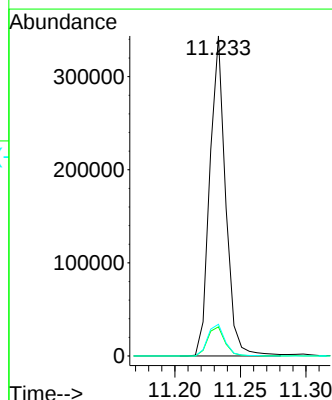
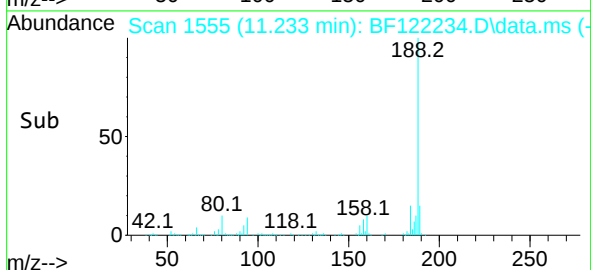
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Ion Ratio Lower Upper
165 100
63 1.4 41.3 61.9#
89 1.6 61.8 92.8#
182 0.0 2.1 3.1#

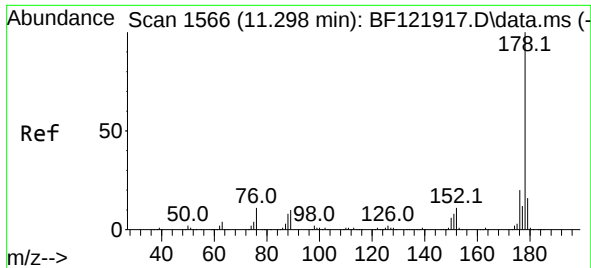


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BF122234.D
Acq: 2 Nov 2020 19:28



Tgt Ion:188 Resp: 288684
Ion Ratio Lower Upper
188 100
94 9.1 8.3 12.5
80 9.9 9.1 13.7

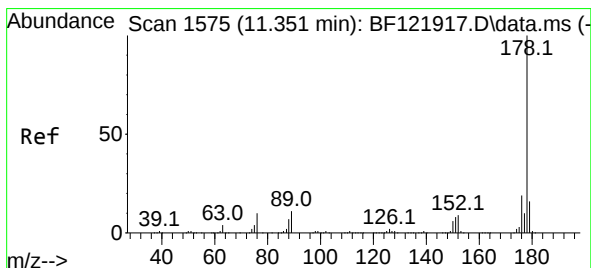
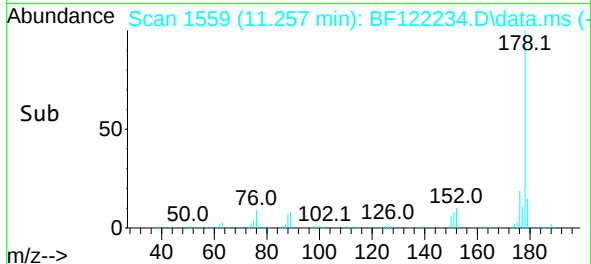
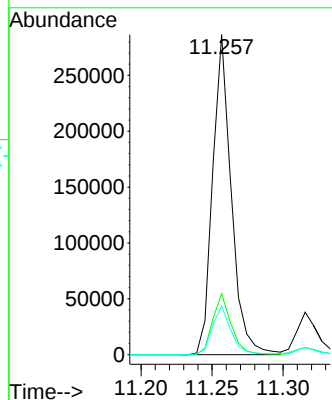
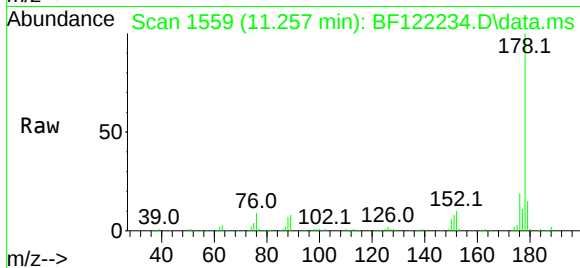




#71
Phenanthrene
Concen: 16.57 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF122234.D
Acq: 2 Nov 2020 19:28

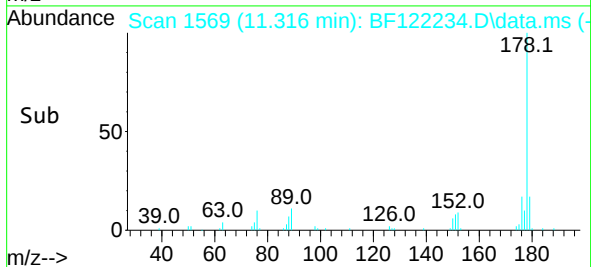
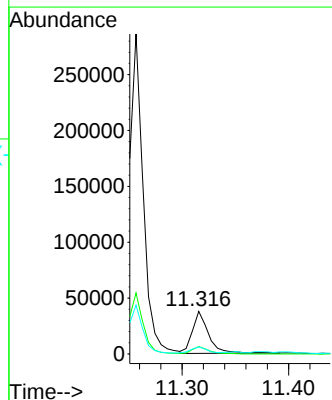
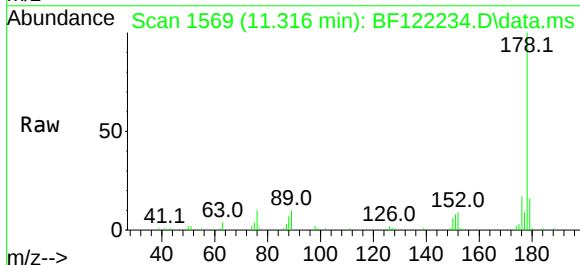
Instrument :
BNA_F
ClientSampled :
S-5DL

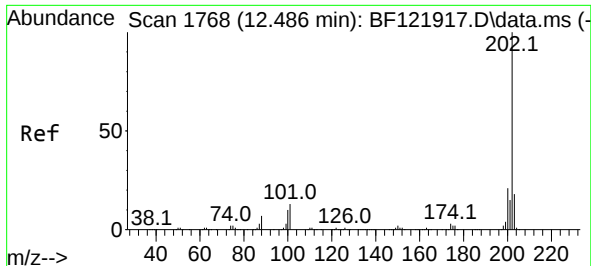
Tgt Ion:178 Resp: 262268
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 15.3 12.2 18.4



#72
Anthracene
Concen: 2.42 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF122234.D
Acq: 2 Nov 2020 19:28

Tgt Ion:178 Resp: 39729
Ion Ratio Lower Upper
178 100
176 17.3 15.7 23.5
179 16.4 12.7 19.1

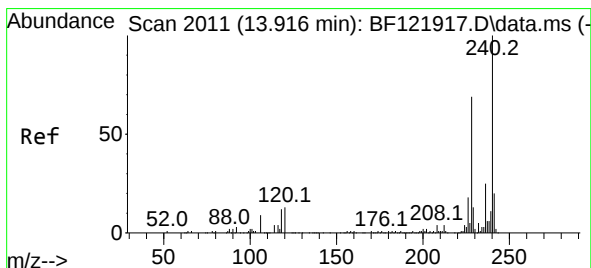
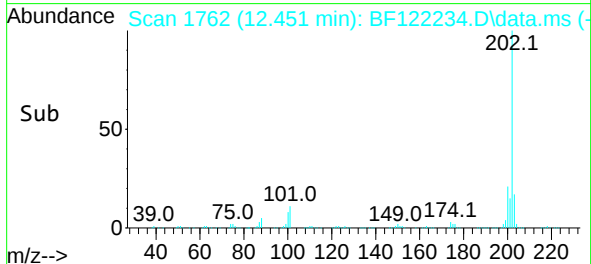
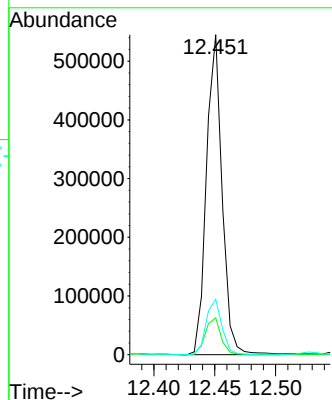
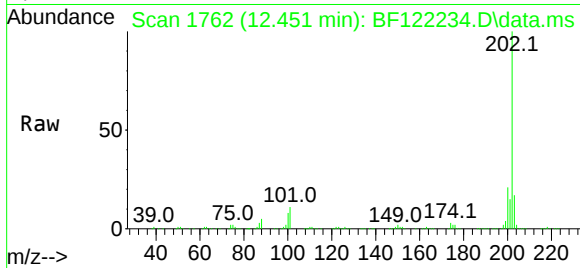




#75
Fluoranthene
Concen: 28.72 ng
RT: 12.451 min Scan# 1762
Delta R.T. -0.000 min
Lab File: BF122234.D
Acq: 2 Nov 2020 19:28

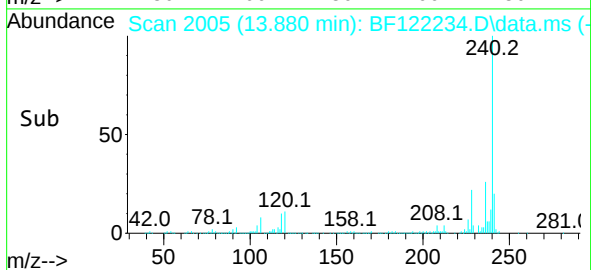
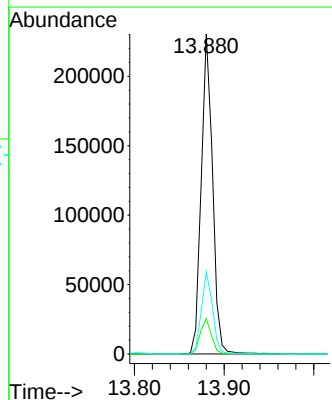
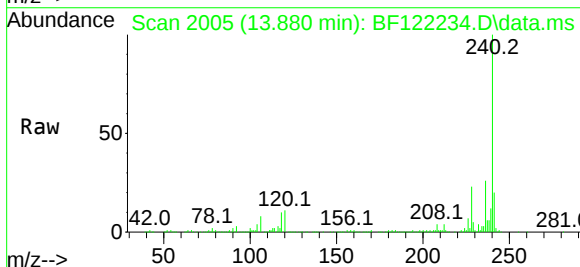
Instrument :
BNA_F
ClientSampleId :
S-5DL

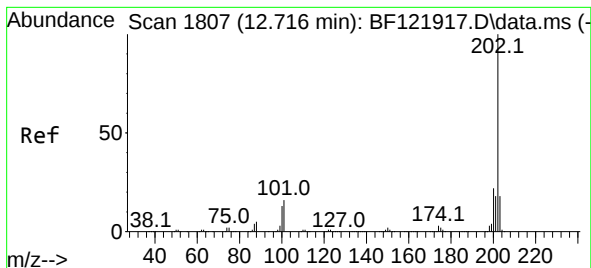
Tgt Ion:202 Resp: 487405
Ion Ratio Lower Upper
202 100
101 11.5 0.0 33.4
203 17.4 0.0 37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.000 min
Lab File: BF122234.D
Acq: 2 Nov 2020 19:28

Tgt Ion:240 Resp: 202048
Ion Ratio Lower Upper
240 100
120 11.1 9.2 13.8
236 25.7 20.9 31.3





#78

Pyrene

Concen: 27.22 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.000 min

Lab File: BF122234.D

Acq: 2 Nov 2020 19:28

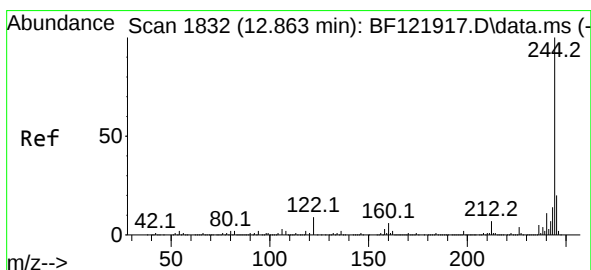
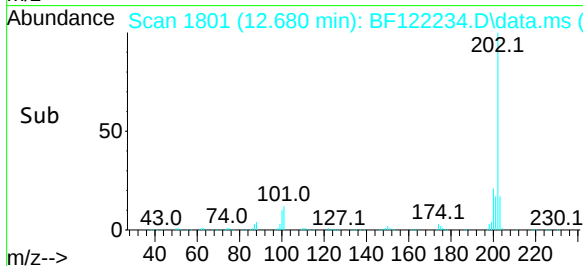
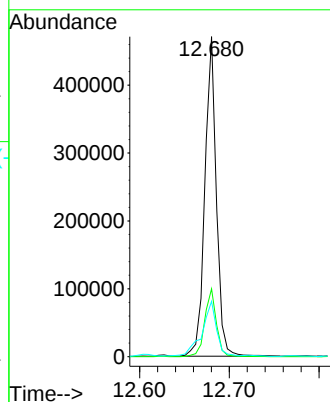
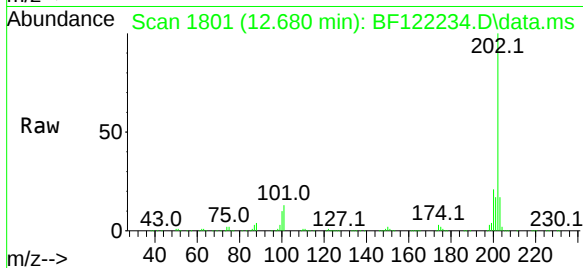
Tgt Ion:202 Resp: 419111

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

203 17.3 14.6 21.8



#79

Terphenyl-d14

Concen: 8.67 ng

RT: 12.815 min Scan# 1824

Delta R.T. -0.000 min

Lab File: BF122234.D

Acq: 2 Nov 2020 19:28

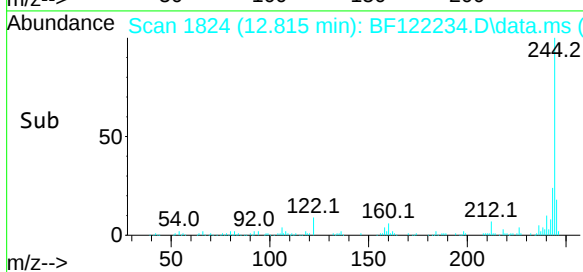
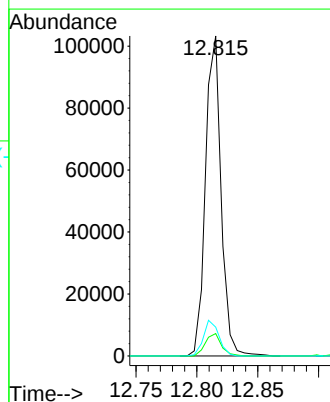
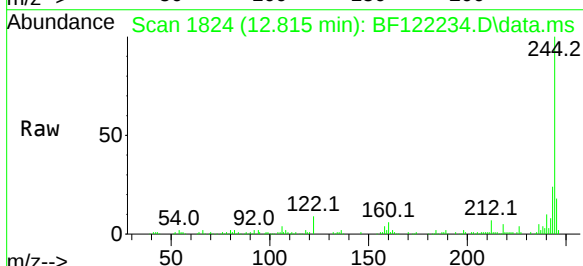
Tgt Ion:244 Resp: 91871

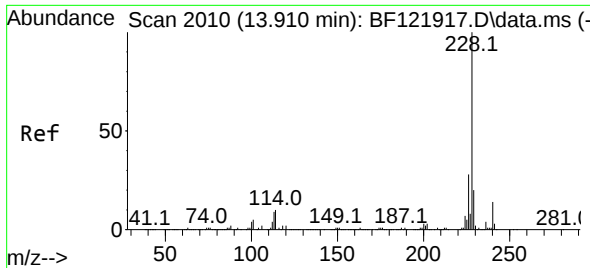
Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

122 9.0 8.1 12.1

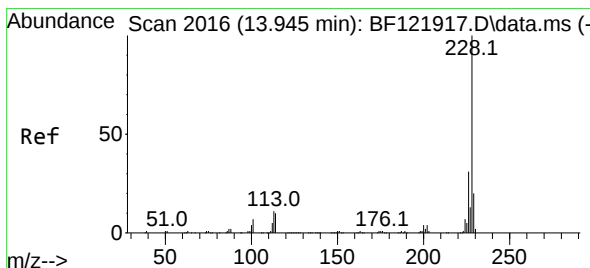
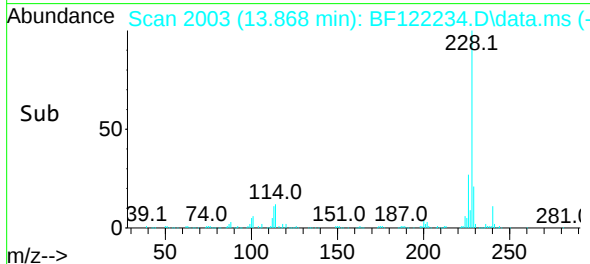
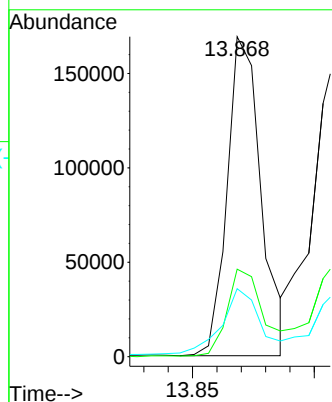
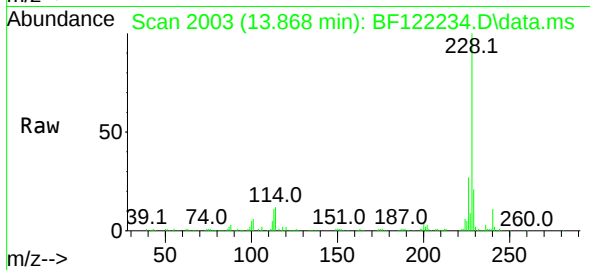




#81
Benzo(a)anthracene
Concen: 12.42 ng
RT: 13.868 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BF122234.D
Acq: 2 Nov 2020 19:28

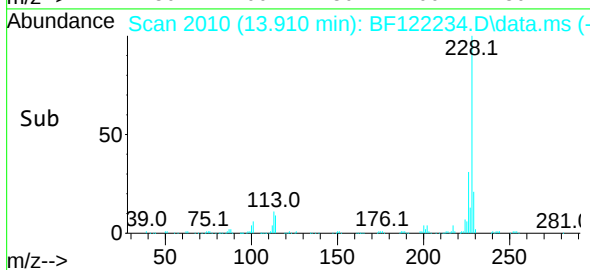
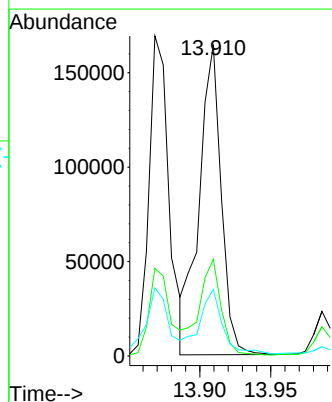
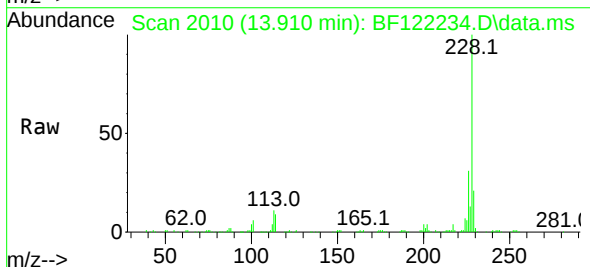
Instrument :
BNA_F
ClientSampleId :
S-5DL

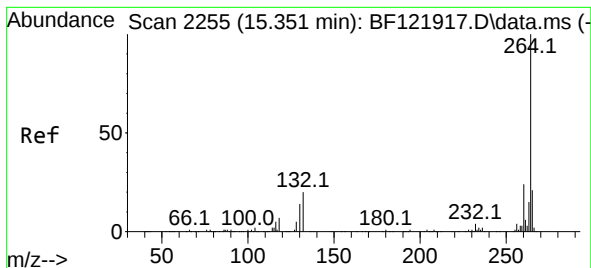
Tgt Ion:228 Resp: 164434
Ion Ratio Lower Upper
228 100
226 27.3 22.3 33.5
229 21.3 16.2 24.4



#83
Chrysene
Concen: 13.74 ng
RT: 13.910 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BF122234.D
Acq: 2 Nov 2020 19:28

Tgt Ion:228 Resp: 178534
Ion Ratio Lower Upper
228 100
226 31.0 24.6 37.0
229 21.4 15.9 23.9

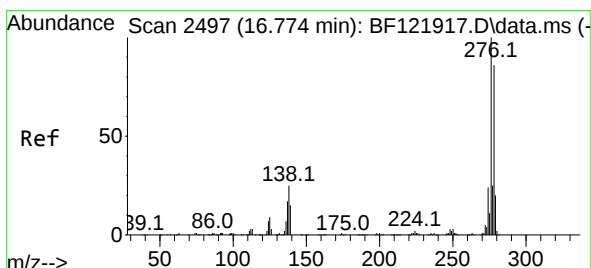
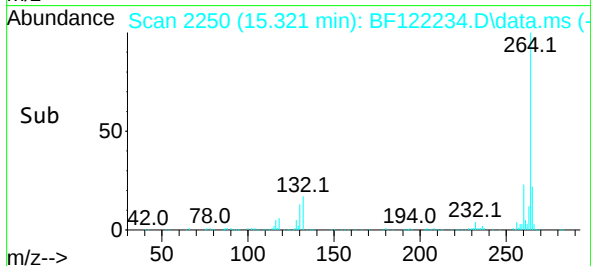
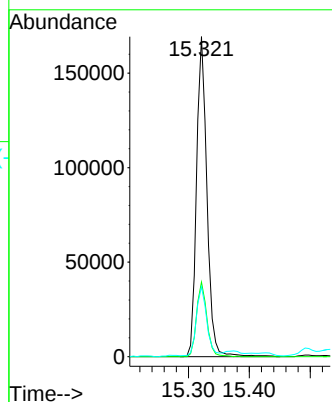
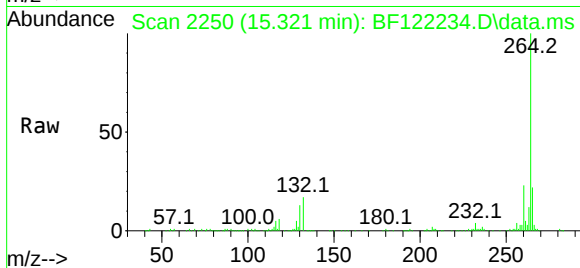




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.321 min Scan# 2250
Delta R.T. 0.017 min
Lab File: BF122234.D
Acq: 2 Nov 2020 19:28

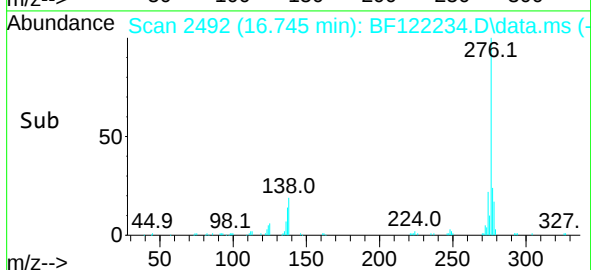
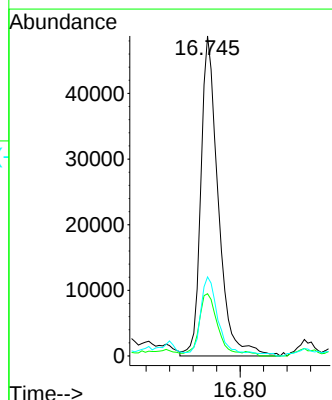
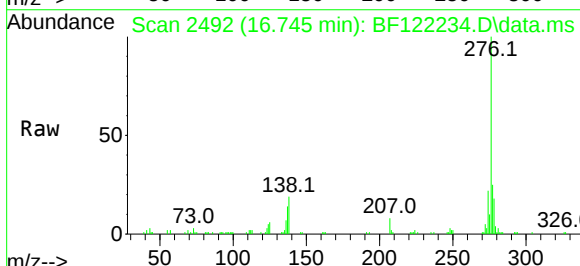
Instrument :
BNA_F
ClientSampleId :
S-5DL

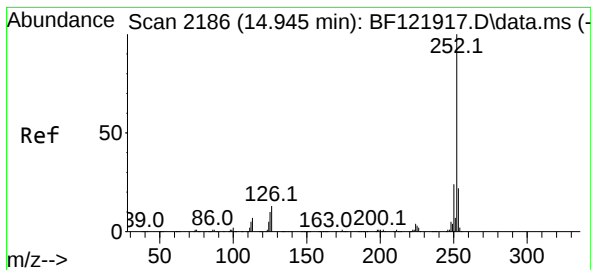
Tgt Ion:264 Resp: 201400
Ion Ratio Lower Upper
264 100
260 23.3 18.7 28.1
265 21.9 17.3 25.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.65 ng
RT: 16.745 min Scan# 2492
Delta R.T. 0.029 min
Lab File: BF122234.D
Acq: 2 Nov 2020 19:28

Tgt Ion:276 Resp: 99999
Ion Ratio Lower Upper
276 100
138 18.7 19.9 29.9#
277 26.0 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 21.64 ng

RT: 14.909 min Scan# 2180

Delta R.T. 0.012 min

Lab File: BF122234.D

Acq: 2 Nov 2020 19:28

Tgt Ion:252 Resp: 294563

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.2

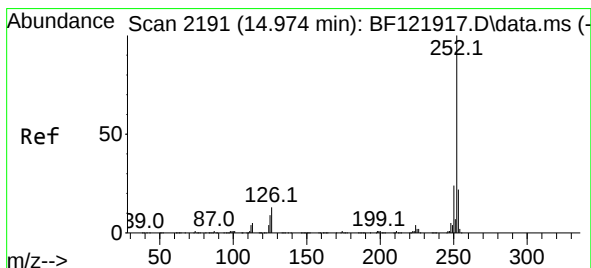
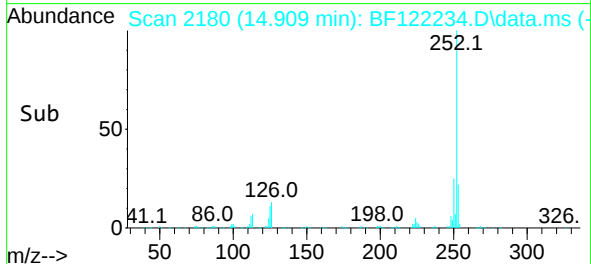
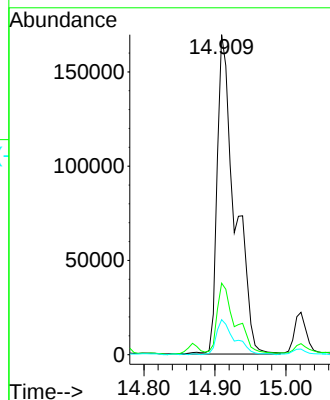
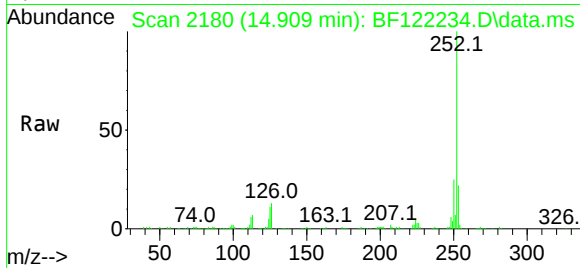
125 10.9 8.0 12.0

Instrument :

BNA_F

ClientSampled :

S-5DL



#89

Benzo(k)fluoranthene

Concen: 22.78 ng

RT: 14.909 min Scan# 2180

Delta R.T. -0.018 min

Lab File: BF122234.D

Acq: 2 Nov 2020 19:28

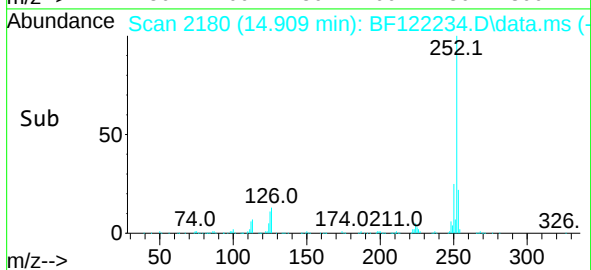
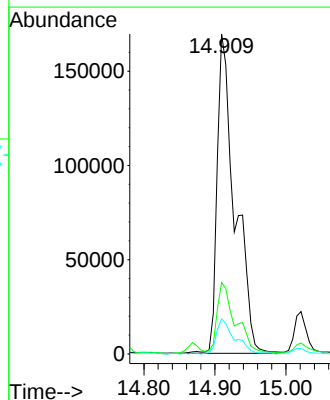
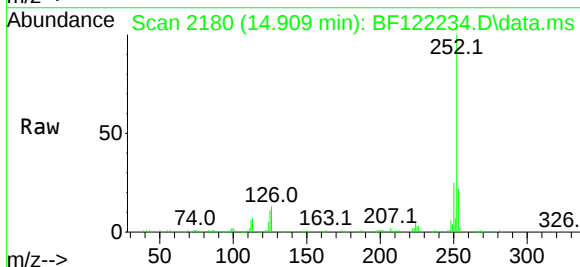
Tgt Ion:252 Resp: 294563

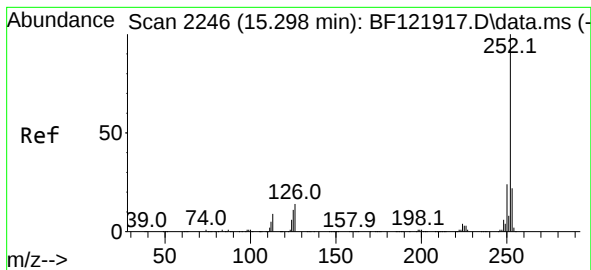
Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

125 10.9 7.7 11.5

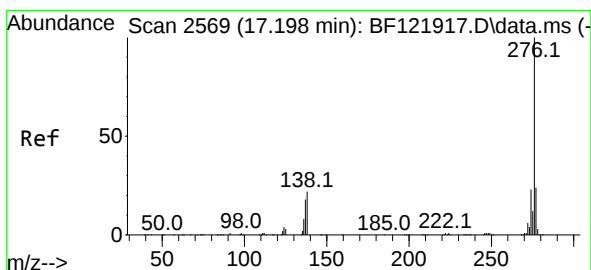
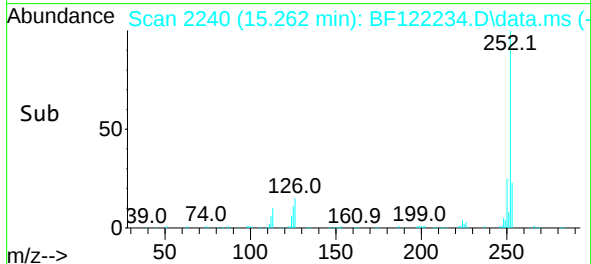
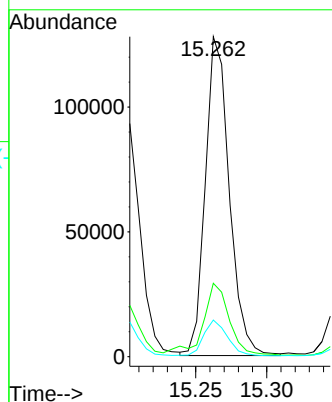
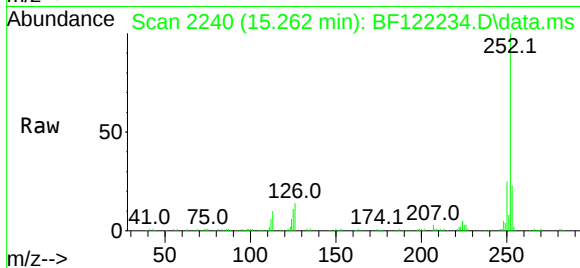




#90
Benzo(a)pyrene
Concen: 12.76 ng
RT: 15.262 min Scan# 2240
Delta R.T. 0.012 min
Lab File: BF122234.D
Acq: 2 Nov 2020 19:28

Instrument :
BNA_F
ClientSampled :
S-5DL

Tgt Ion:252 Resp: 150025
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 11.5 8.6 13.0



#92
Benzo(g,h,i)perylene
Concen: 8.79 ng
RT: 17.174 min Scan# 2565
Delta R.T. 0.041 min
Lab File: BF122234.D
Acq: 2 Nov 2020 19:28

Tgt Ion:276 Resp: 94703
Ion Ratio Lower Upper
276 100
277 24.0 19.4 29.2
138 20.6 17.8 26.6

