

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030121\
 Data File : BF123330.D
 Acq On : 1 Mar 2021 17:09
 Operator : JU/CG
 Sample : M1506-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-022621

Quant Time: Mar 01 18:13:11 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 19 16:08:53 2021
 Response via : Initial Calibration

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

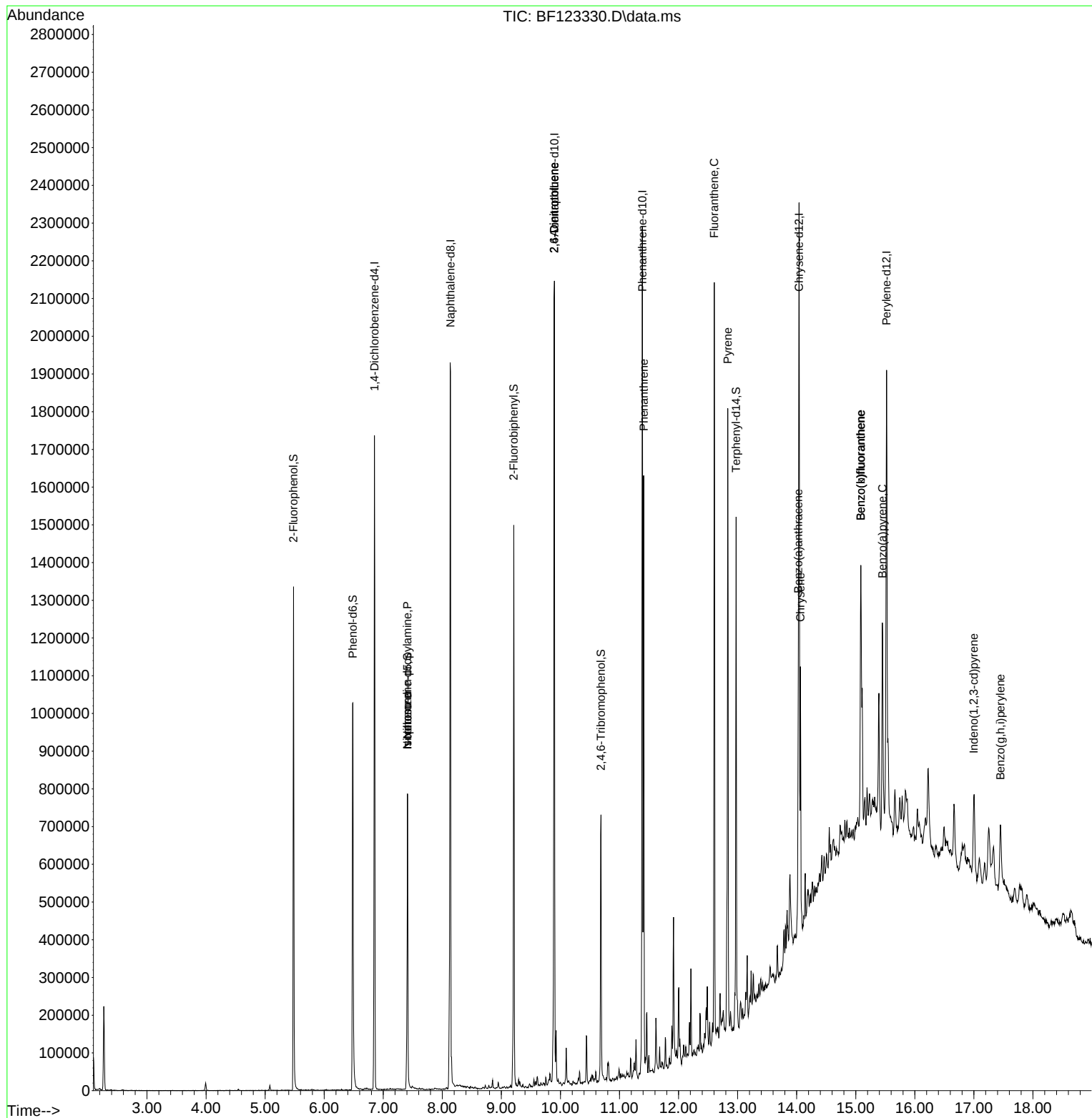
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	250194	20.00	ng	0.00
21) Naphthalene-d8	8.139	136	984616	20.00	ng	0.00
39) Acenaphthene-d10	9.898	164	479888	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	782137	20.00	ng	# 0.00
76) Chrysene-d12	14.039	240	545901	20.00	ng	0.00
86) Perylene-d12	15.521	264	530228	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	315852	18.17	ng	0.00
7) Phenol-d6	6.487	99	401130	16.99	ng	0.00
23) Nitrobenzene-d5	7.410	82	262662	12.21	ng	-0.02
42) 2,4,6-Tribromophenol	10.686	330	76335	15.62	ng	-0.01
45) 2-Fluorobiphenyl	9.210	172	428931	12.84	ng	-0.01
79) Terphenyl-d14	12.974	244	349968	12.33	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.481	77	856	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.410	70	36470	2.60	ng	# 79
25) Isophorone	7.410	82	245402	6.10	ng	# 65
51) 2,6-Dinitrotoluene	9.892	165	62341	7.54	ng	# 31
57) 2,4-Dinitrotoluene	9.892	165	62342	5.61	ng	# 26
71) Phenanthrene	11.410	178	507779	10.98	ng	98
75) Fluoranthene	12.604	202	751472	15.33	ng	100
78) Pyrene	12.833	202	625158	14.67	ng	99
81) Benzo(a)anthracene	14.027	228	231704	6.25	ng	99
83) Chrysene	14.063	228	235566	6.47	ng	97
87) Indeno(1,2,3-cd)pyrene	16.998	276	146167	3.99	ng	97
88) Benzo(b)fluoranthene	15.086	252	464715	12.48	ng	# 98
89) Benzo(k)fluoranthene	15.086	252	464715	13.76	ng	97
90) Benzo(a)pyrene	15.451	252	243663	7.34	ng	# 95
92) Benzo(g,h,i)perylene	17.451	276	137589	4.75	ng	97

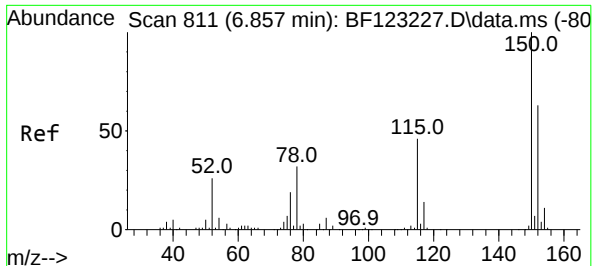
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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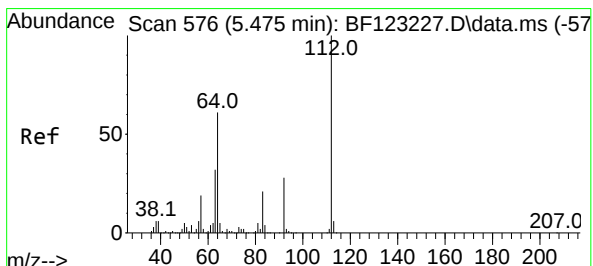
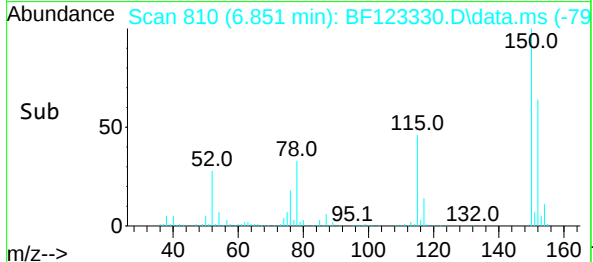
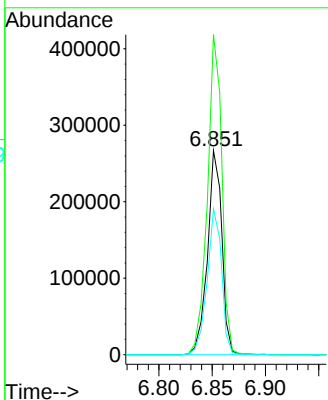
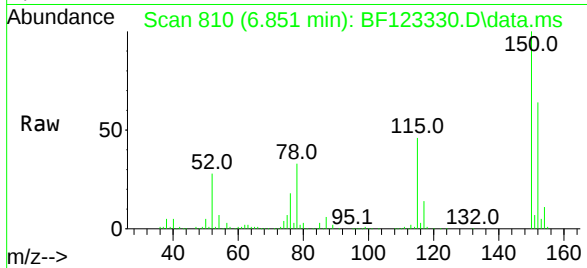




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.851 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF123330.D
Acq: 1 Mar 2021 17:09

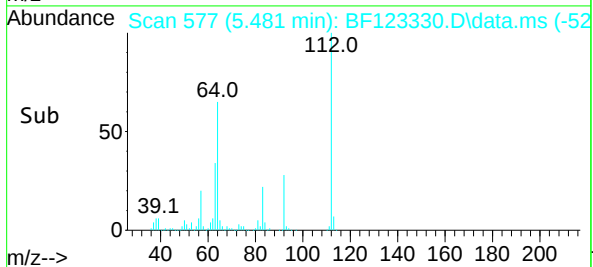
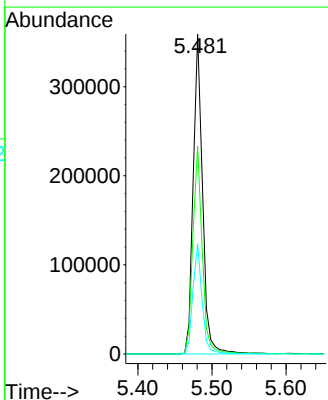
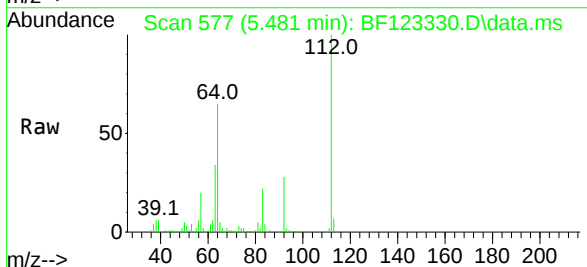
Instrument :
BNA_F
ClientSampled :
OR-03-022621

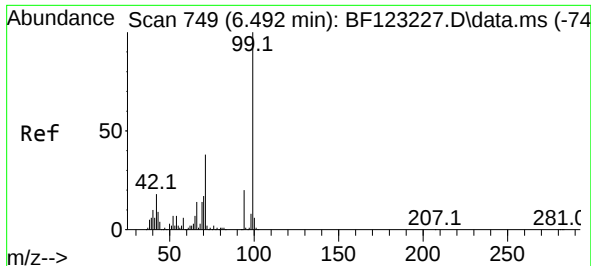
Tgt Ion:152 Resp: 250194
Ion Ratio Lower Upper
152 100
150 156.8 125.8 188.6
115 71.5 49.3 73.9



#5
2-Fluorophenol
Concen: 18.17 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.006 min
Lab File: BF123330.D
Acq: 1 Mar 2021 17:09

Tgt Ion:112 Resp: 315852
Ion Ratio Lower Upper
112 100
64 64.9 46.9 70.3
63 34.5 24.5 36.7

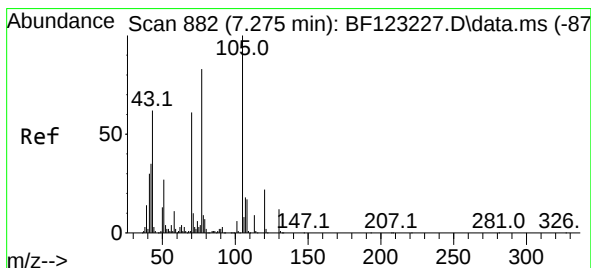
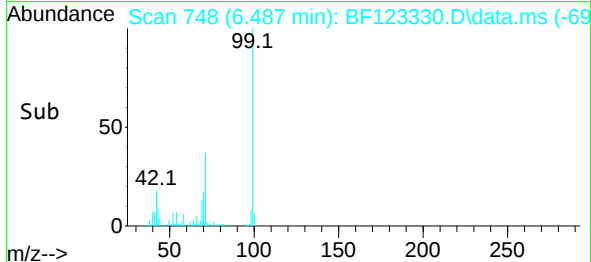
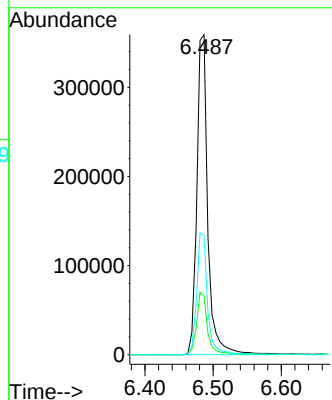
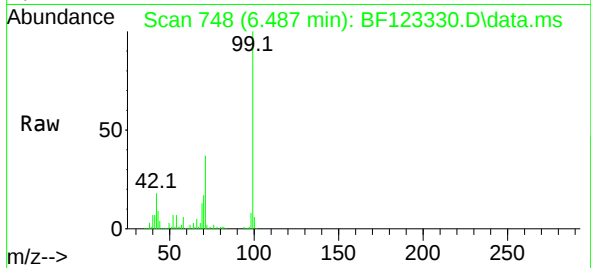




#7
Phenol-d6
Concen: 16.99 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF123330.D
Acq: 1 Mar 2021 17:09

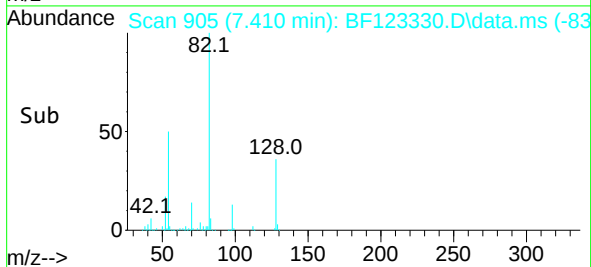
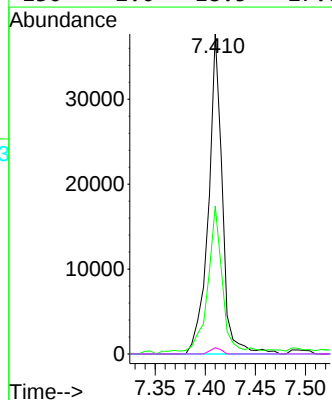
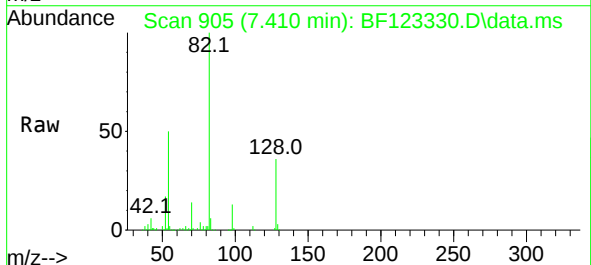
Instrument :
BNA_F
ClientSampleId :
OR-03-022621

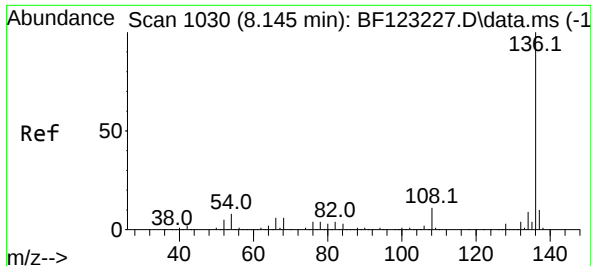
Tgt Ion: 99 Resp: 401130
Ion Ratio Lower Upper
99 100
42 18.4 13.8 20.6
71 37.2 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 2.60 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.135 min
Lab File: BF123330.D
Acq: 1 Mar 2021 17:09

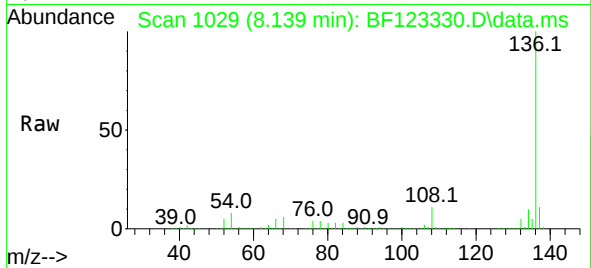
Tgt Ion: 70 Resp: 36470
Ion Ratio Lower Upper
70 100
42 46.3 43.0 64.4
101 0.0 7.9 11.9#
130 2.0 18.5 27.7#



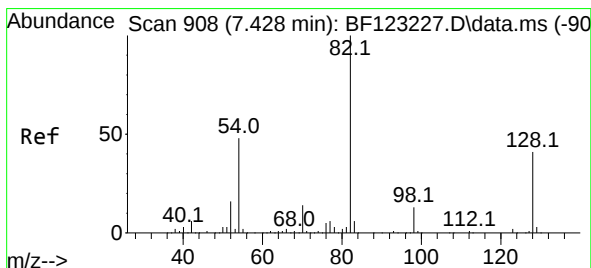
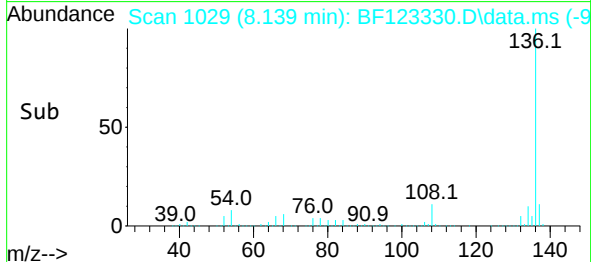
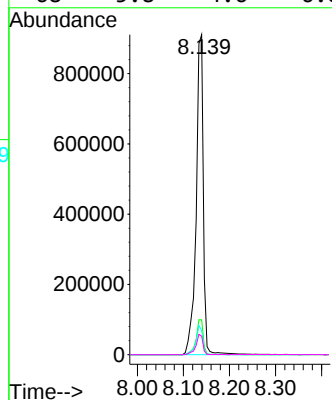


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF123330.D
Acq: 1 Mar 2021 17:09

Instrument :
BNA_F
ClientSampleId :
OR-03-022621

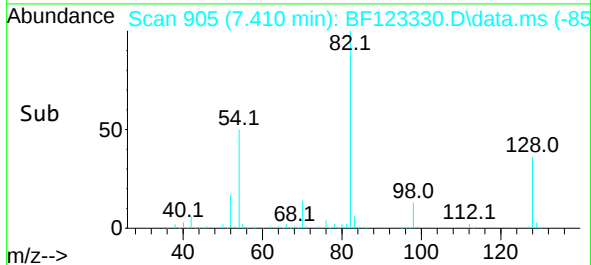
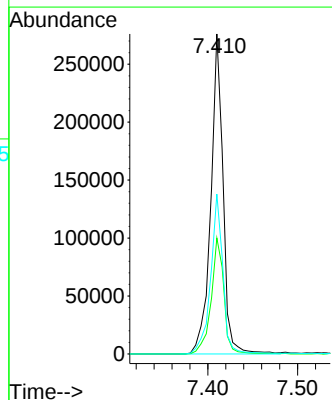
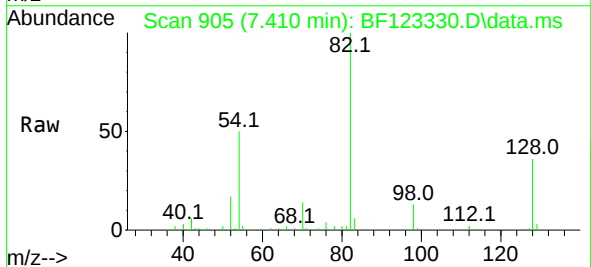


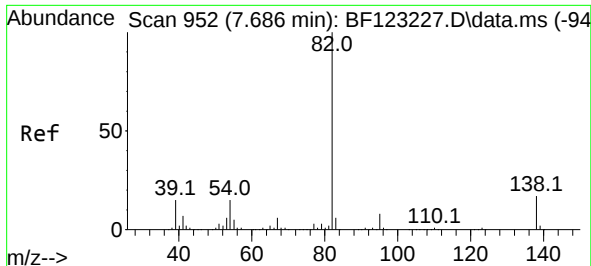
Tgt Ion:136 Resp: 984616
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.6 5.5 8.3
68 5.8 4.6 6.8



#23
Nitrobenzene-d5
Concen: 12.21 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.018 min
Lab File: BF123330.D
Acq: 1 Mar 2021 17:09

Tgt Ion: 82 Resp: 262662
Ion Ratio Lower Upper
82 100
128 36.2 37.0 55.4#
54 50.0 38.4 57.6

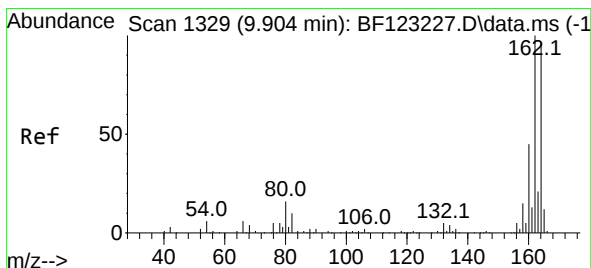
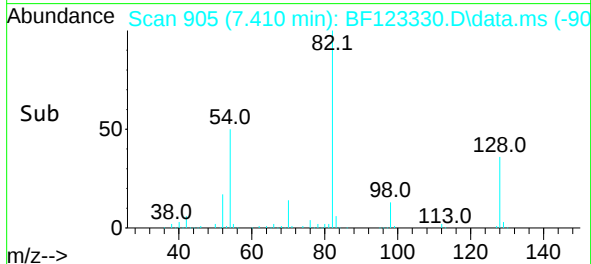
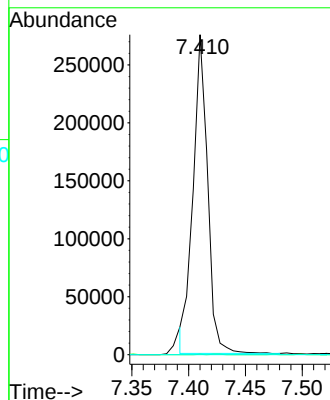
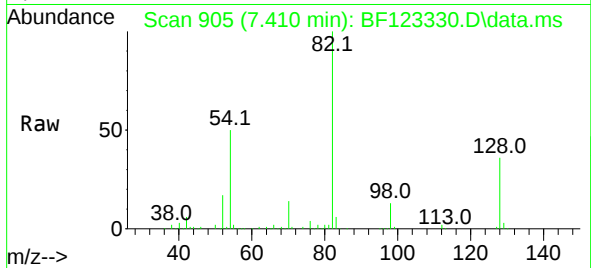




#25
Isophorone
Concen: 6.10 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.276 min
Lab File: BF123330.D
Acq: 1 Mar 2021 17:09

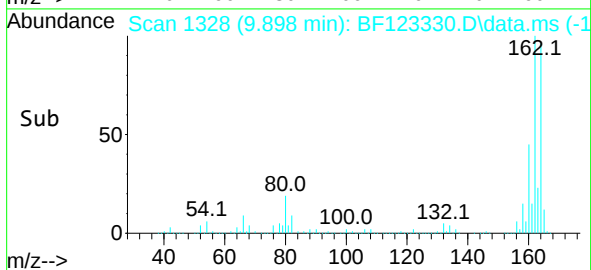
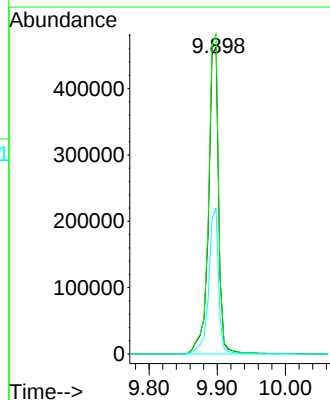
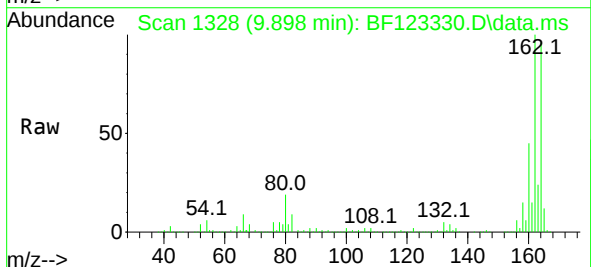
Instrument :
BNA_F
ClientSampleId :
OR-03-022621

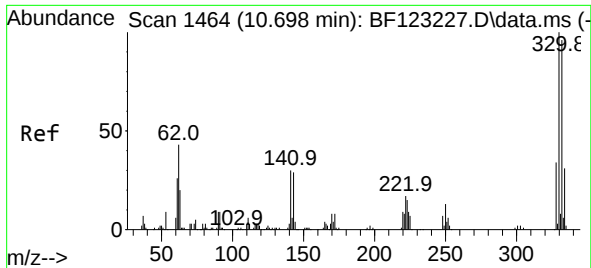
Tgt Ion: 82 Resp: 245402
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF123330.D
Acq: 1 Mar 2021 17:09

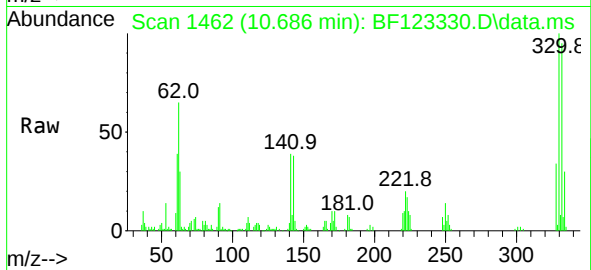
Tgt Ion: 164 Resp: 479888
Ion Ratio Lower Upper
164 100
162 104.3 80.8 121.2
160 47.4 35.4 53.0



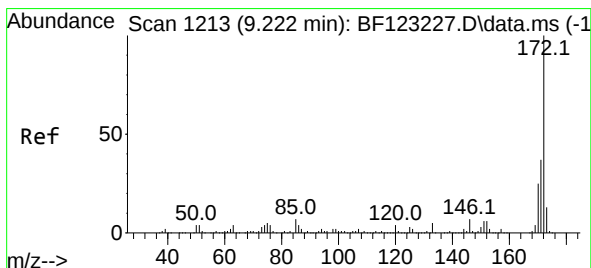
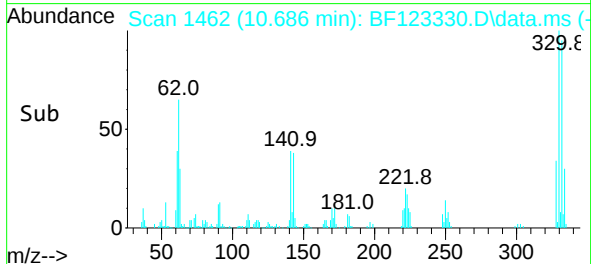
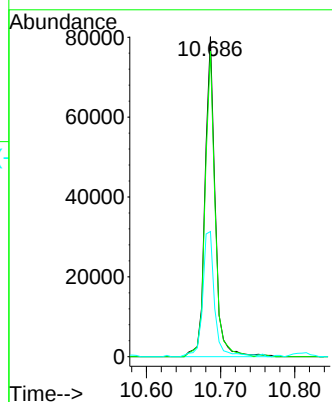


#42
2,4,6-Tribromophenol
Concen: 15.62 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF123330.D
Acq: 1 Mar 2021 17:09

Instrument :
BNA_F
ClientSampleId :
OR-03-022621

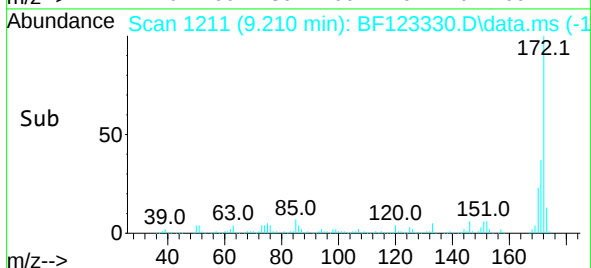
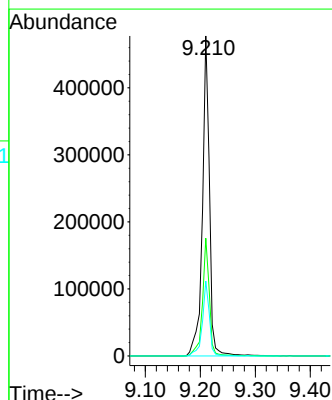
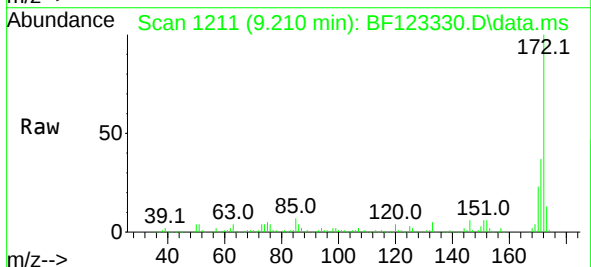


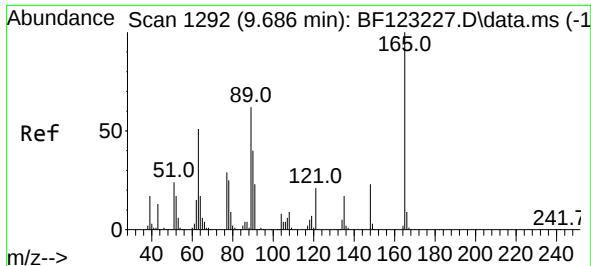
Tgt Ion: 330 Resp: 76335
Ion Ratio Lower Upper
330 100
332 94.3 77.5 116.3
141 45.5 23.8 35.8#



#45
2-Fluorobiphenyl
Concen: 12.84 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.012 min
Lab File: BF123330.D
Acq: 1 Mar 2021 17:09

Tgt Ion: 172 Resp: 428931
Ion Ratio Lower Upper
172 100
171 36.8 29.6 44.4
170 23.4 19.5 29.3

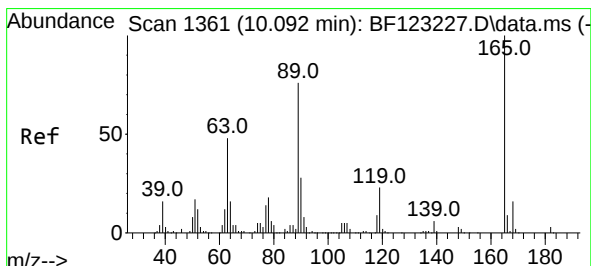
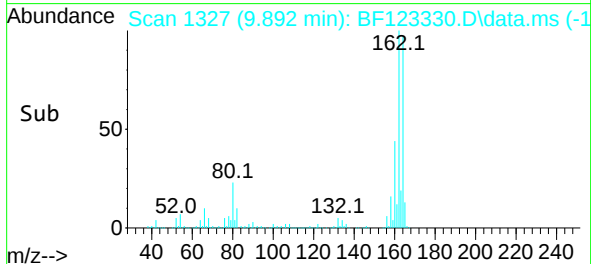
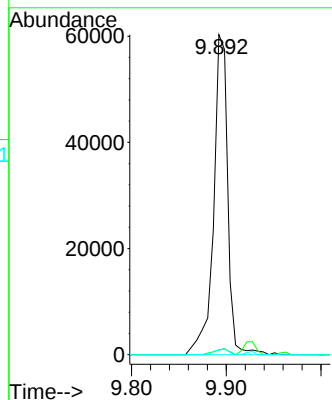
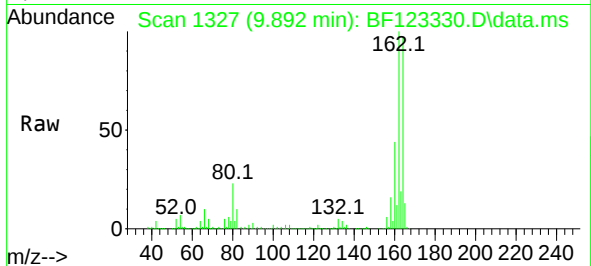




#51
2,6-Dinitrotoluene
Concen: 7.54 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.206 min
Lab File: BF123330.D
Acq: 1 Mar 2021 17:09

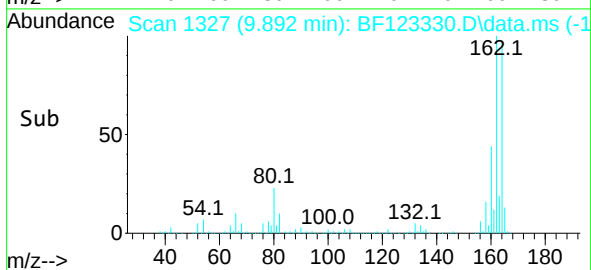
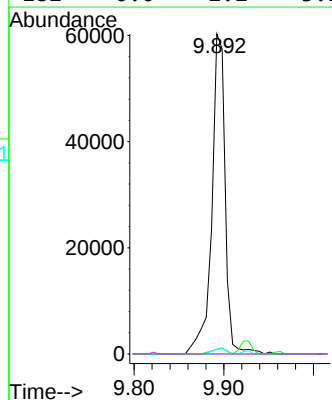
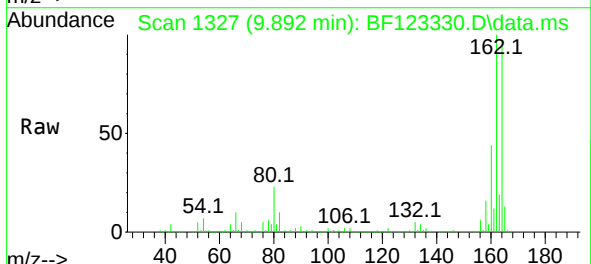
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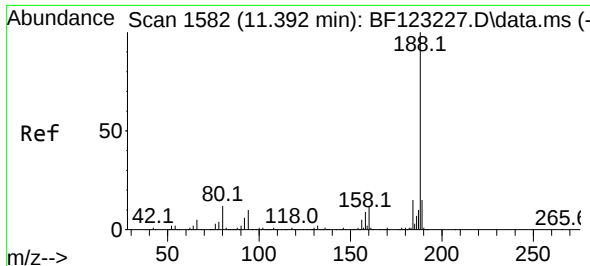
Tgt Ion:165 Resp: 62341
Ion Ratio Lower Upper
165 100
63 1.5 36.6 55.0#
89 1.5 39.4 59.0#



#57
2,4-Dinitrotoluene
Concen: 5.61 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.200 min
Lab File: BF123330.D
Acq: 1 Mar 2021 17:09

Tgt Ion:165 Resp: 62342
Ion Ratio Lower Upper
165 100
63 1.5 34.3 51.5#
89 1.5 55.2 82.8#
182 0.0 2.2 3.2#

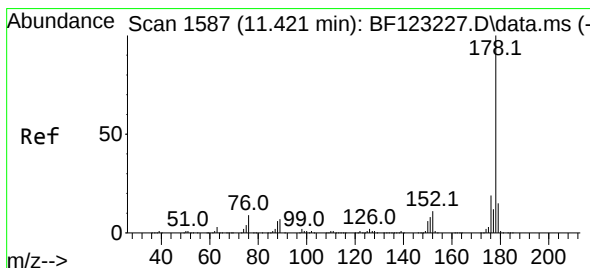
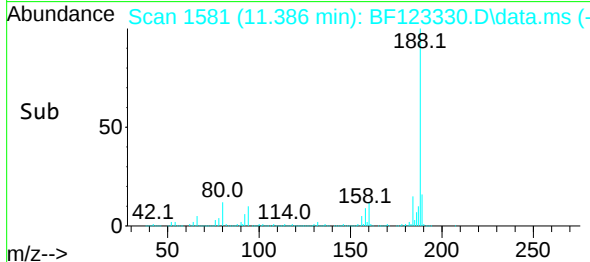
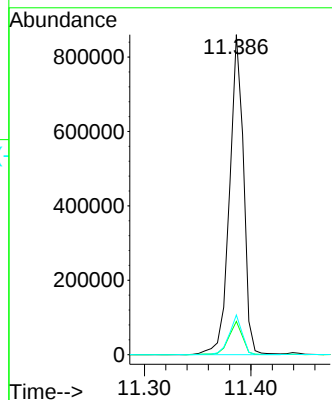
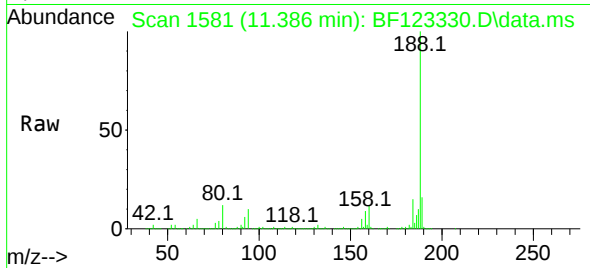




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF123330.D
Acq: 1 Mar 2021 17:09

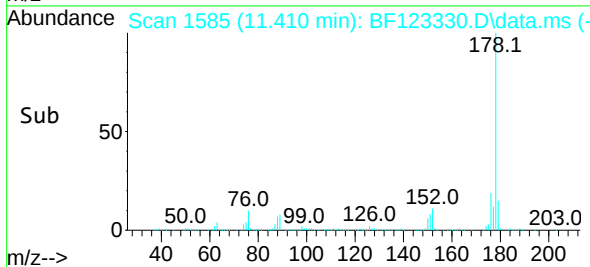
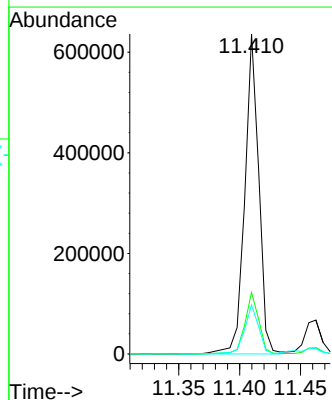
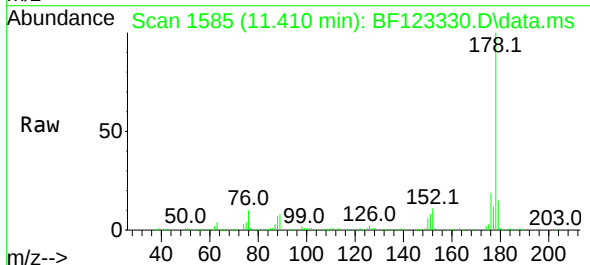
Instrument :
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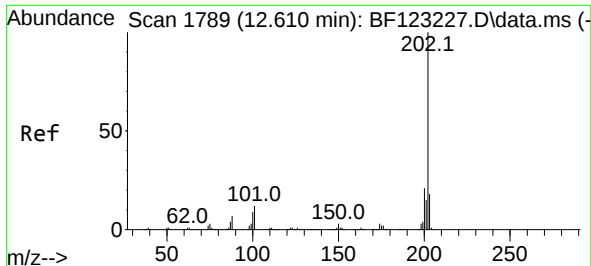
Tgt Ion:188 Resp: 782137
Ion Ratio Lower Upper
188 100
94 10.4 7.4 11.2
80 12.4 8.2 12.4#



#71
Phenanthrene
Concen: 10.98 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF123330.D
Acq: 1 Mar 2021 17:09

Tgt Ion:178 Resp: 507779
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.2
179 15.3 12.7 19.1

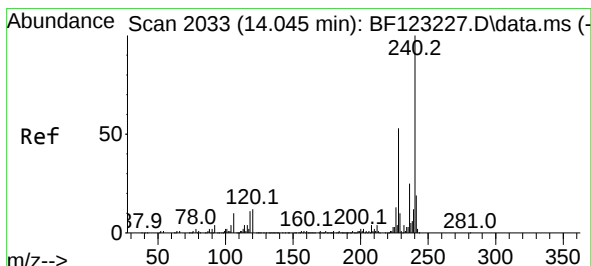
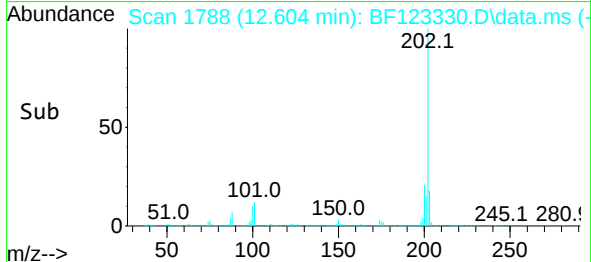
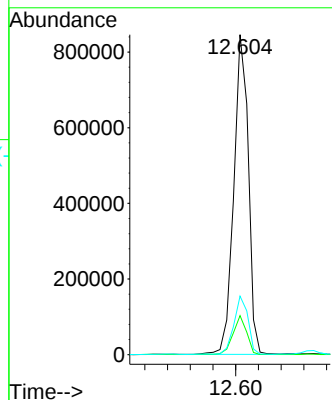
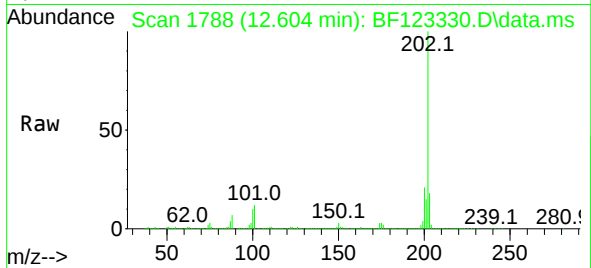




#75
Fluoranthene
Concen: 15.33 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF123330.D
Acq: 1 Mar 2021 17:09

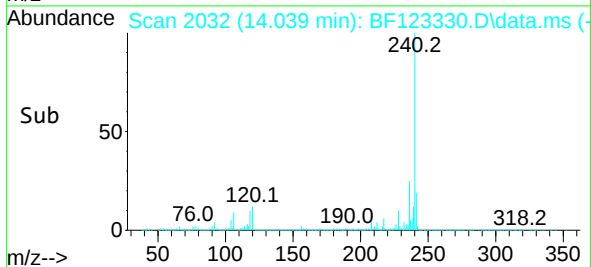
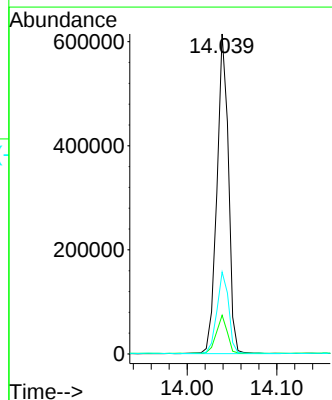
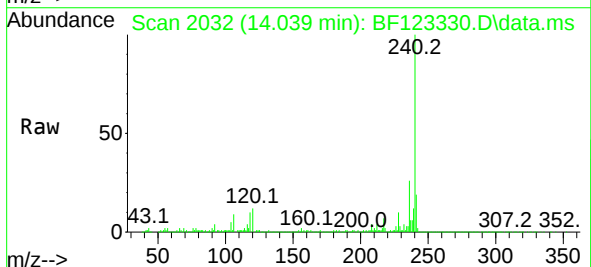
Instrument :
BNA_F
ClientSampleId :
OR-03-022621

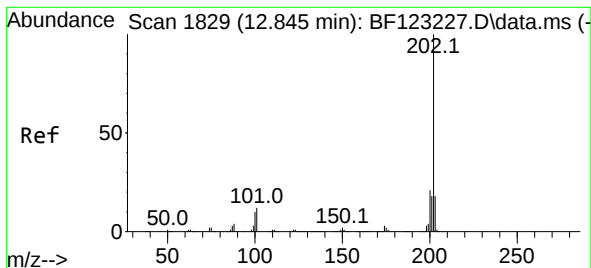
Tgt Ion:202 Resp: 751472
Ion Ratio Lower Upper
202 100
101 12.2 0.0 32.2
203 18.3 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF123330.D
Acq: 1 Mar 2021 17:09

Tgt Ion:240 Resp: 545901
Ion Ratio Lower Upper
240 100
120 12.1 8.6 12.8
236 25.6 20.3 30.5





#78

Pyrene

Concen: 14.67 ng

RT: 12.833 min Scan# 1827

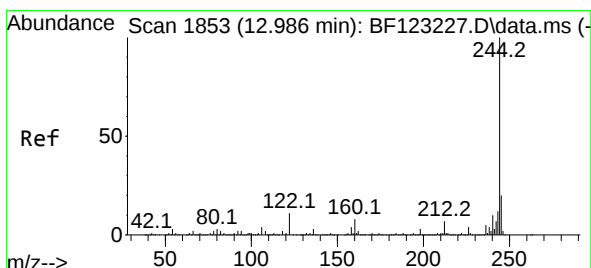
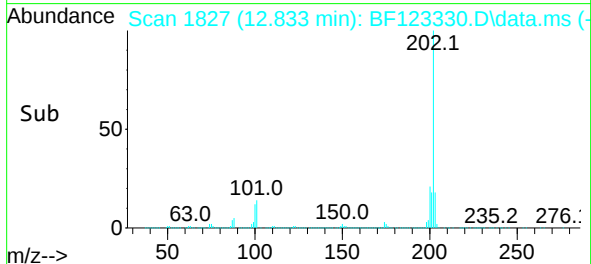
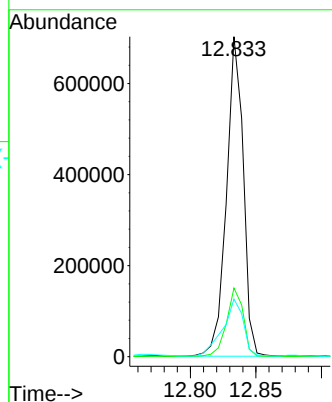
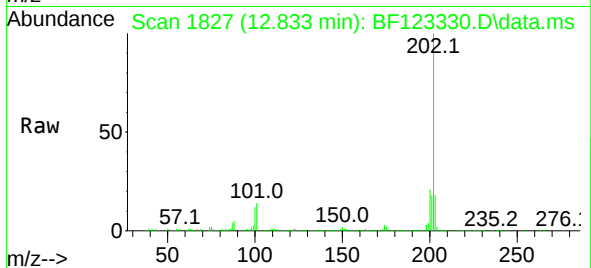
Delta R.T. -0.012 min

Lab File: BF123330.D

Acq: 1 Mar 2021 17:09

Tgt Ion:202 Resp: 625158

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.6	26.4
203	18.0	14.6	21.8



#79

Terphenyl-d14

Concen: 12.33 ng

RT: 12.974 min Scan# 1851

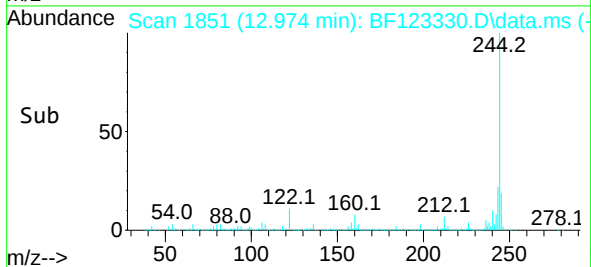
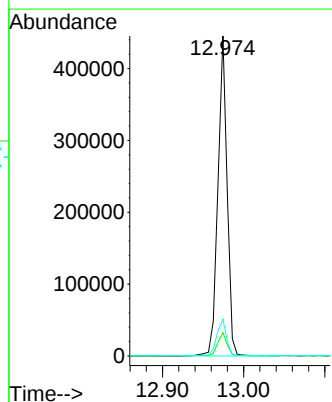
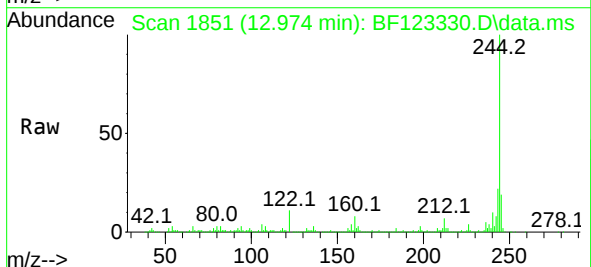
Delta R.T. -0.012 min

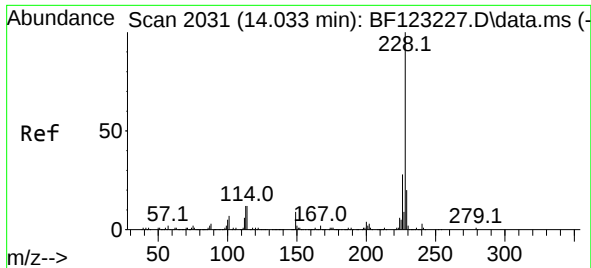
Lab File: BF123330.D

Acq: 1 Mar 2021 17:09

Tgt Ion:244 Resp: 349968

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.7	8.5
122	11.4	8.3	12.5

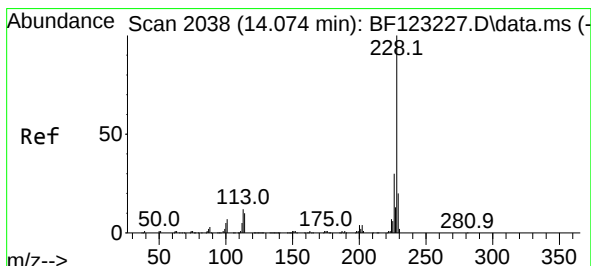
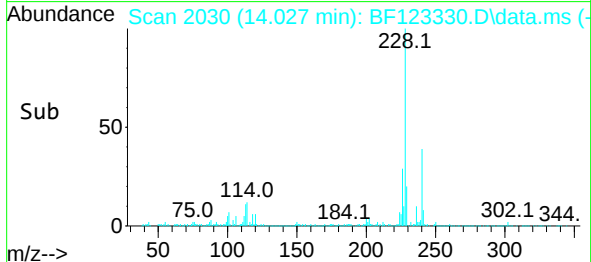
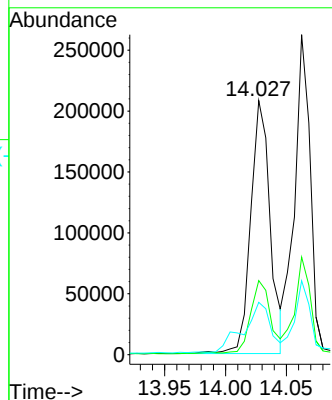
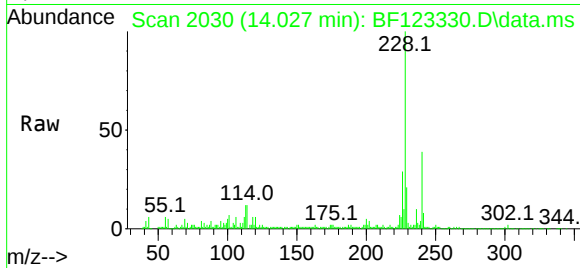




#81
Benzo(a)anthracene
Concen: 6.25 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF123330.D
Acq: 1 Mar 2021 17:09

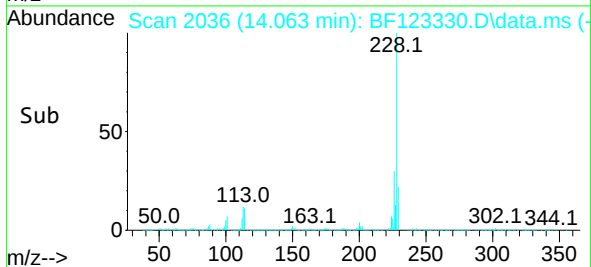
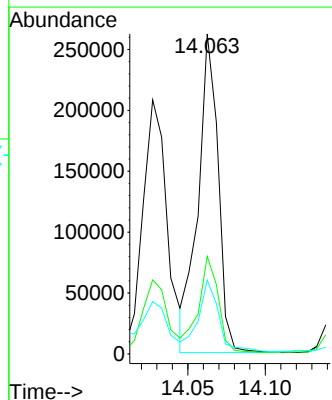
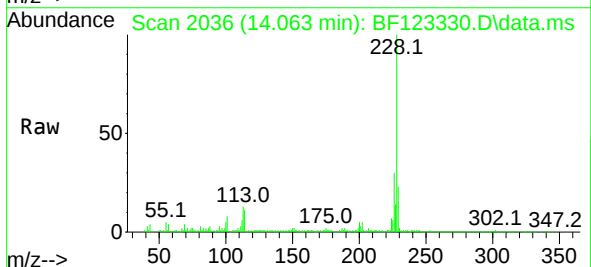
Instrument :
BNA_F
ClientSampleId :
OR-03-022621

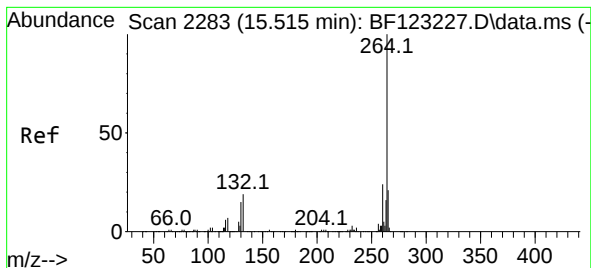
Tgt Ion:228 Resp: 231704
Ion Ratio Lower Upper
228 100
226 29.2 23.0 34.4
229 20.6 16.6 24.8



#83
Chrysene
Concen: 6.47 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF123330.D
Acq: 1 Mar 2021 17:09

Tgt Ion:228 Resp: 235566
Ion Ratio Lower Upper
228 100
226 30.5 24.6 36.8
229 23.1 15.8 23.6

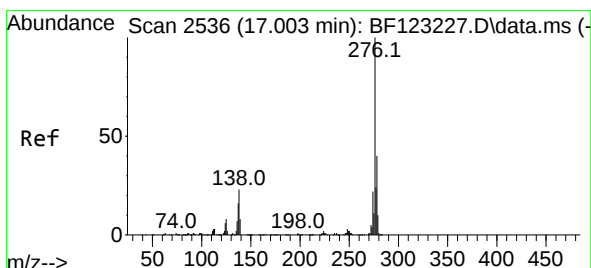
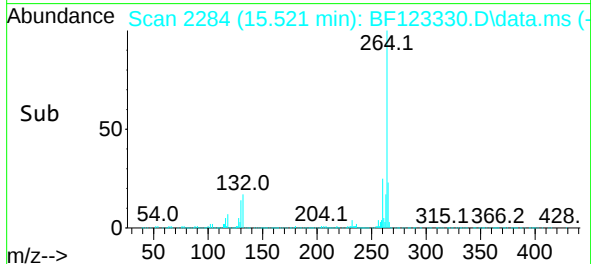
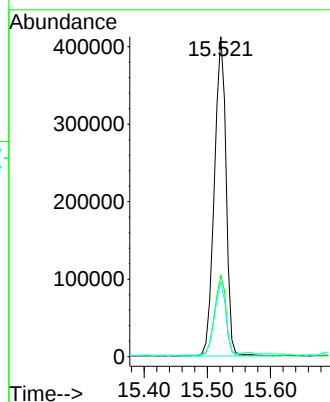
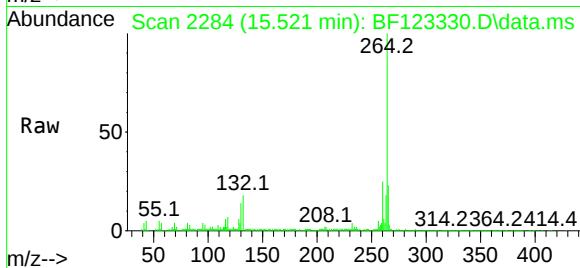




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.521 min Scan# 2284
Delta R.T. 0.006 min
Lab File: BF123330.D
Acq: 1 Mar 2021 17:09

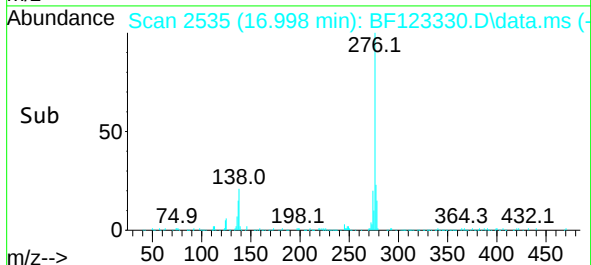
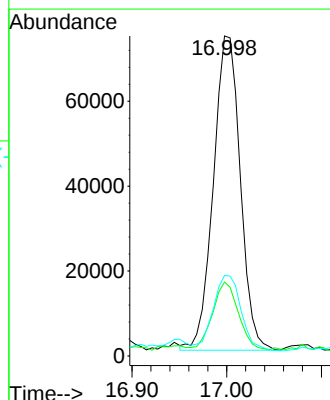
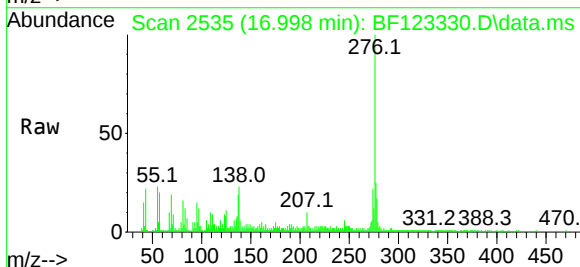
Instrument :
BNA_F
ClientSampleId :
OR-03-022621

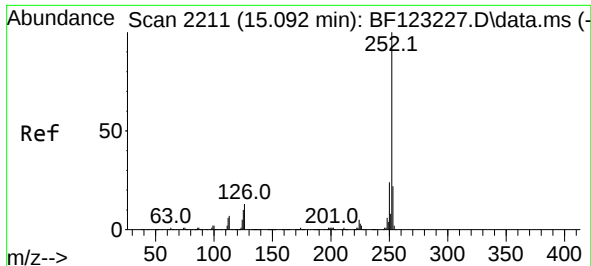
Tgt Ion:264 Resp: 530228
Ion Ratio Lower Upper
264 100
260 25.3 18.6 28.0
265 23.1 17.0 25.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.99 ng
RT: 16.998 min Scan# 2535
Delta R.T. -0.006 min
Lab File: BF123330.D
Acq: 1 Mar 2021 17:09

Tgt Ion:276 Resp: 146167
Ion Ratio Lower Upper
276 100
138 20.8 18.7 28.1
277 25.1 20.2 30.4

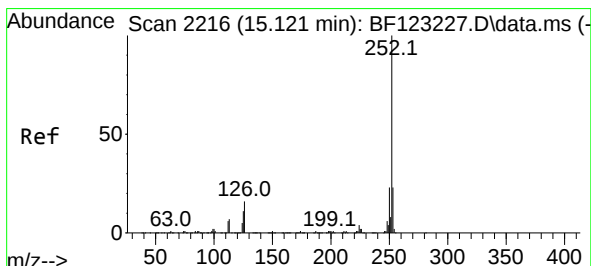
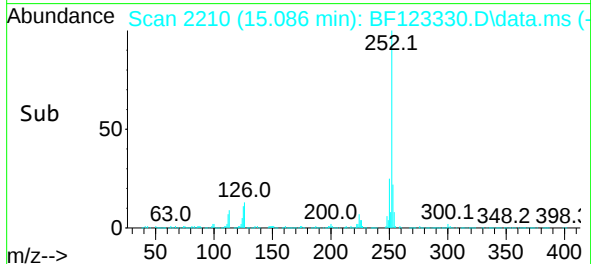
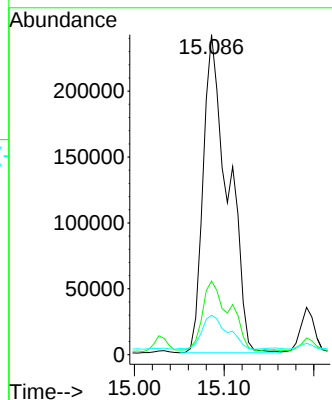
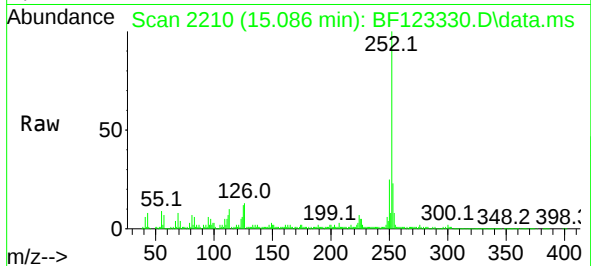




#88
Benzo(b)fluoranthene
Concen: 12.48 ng
RT: 15.086 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF123330.D
Acq: 1 Mar 2021 17:09

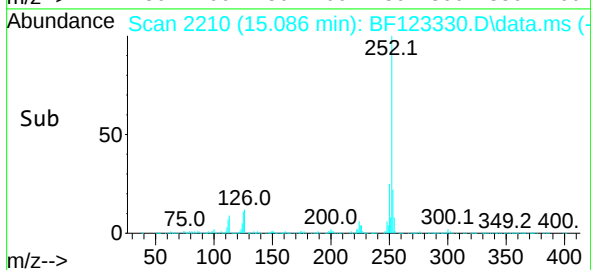
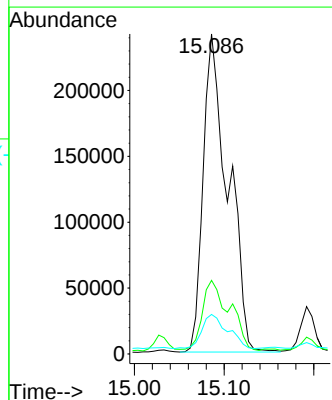
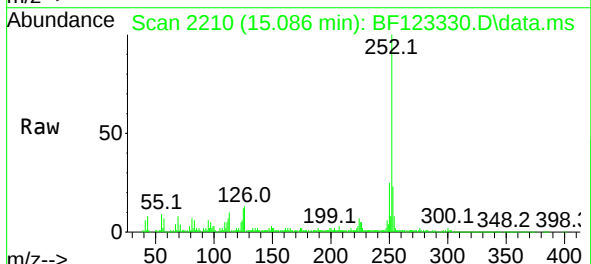
Instrument :
BNA_F
ClientSampleId :
OR-03-022621

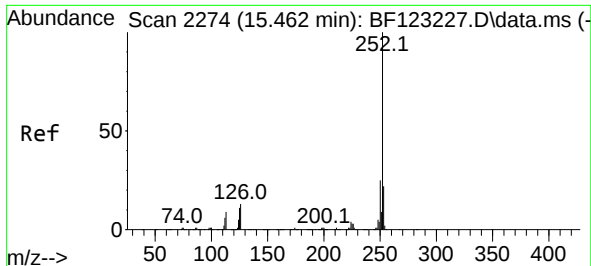
Tgt Ion:252 Resp: 464715
Ion Ratio Lower Upper
252 100
253 23.0 18.3 27.5
125 12.4 8.1 12.1#



#89
Benzo(k)fluoranthene
Concen: 13.76 ng
RT: 15.086 min Scan# 2210
Delta R.T. -0.035 min
Lab File: BF123330.D
Acq: 1 Mar 2021 17:09

Tgt Ion:252 Resp: 464715
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 12.4 8.4 12.6

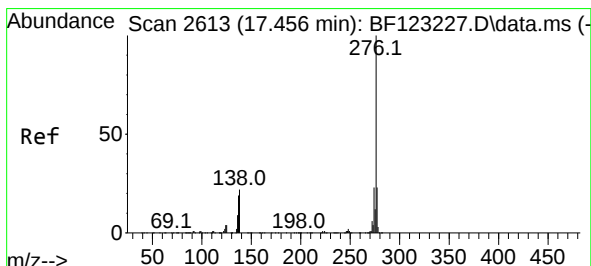
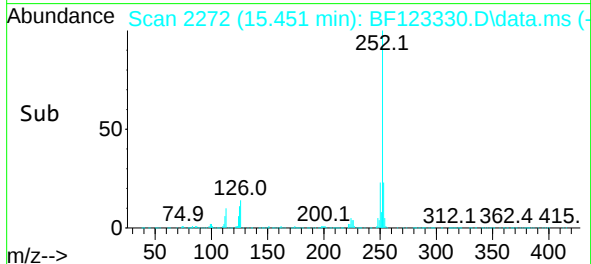
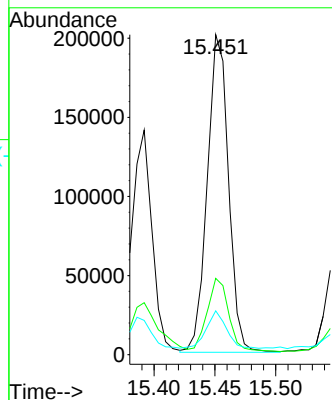
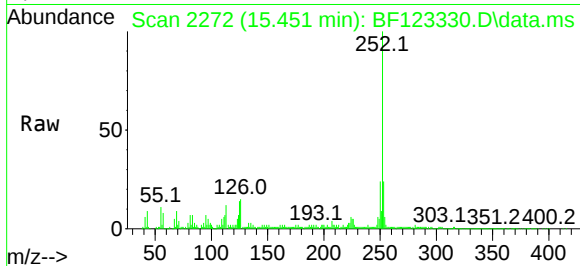




#90
Benzo(a)pyrene
Concen: 7.34 ng
RT: 15.451 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF123330.D
Acq: 1 Mar 2021 17:09

Instrument :
BNA_F
ClientSampleId :
OR-03-022621

Tgt Ion:252 Resp: 243663
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 13.7 8.6 12.8#



#92
Benzo(g,h,i)perylene
Concen: 4.75 ng
RT: 17.451 min Scan# 2612
Delta R.T. -0.006 min
Lab File: BF123330.D
Acq: 1 Mar 2021 17:09

Tgt Ion:276 Resp: 137589
Ion Ratio Lower Upper
276 100
277 24.5 19.3 28.9
138 23.3 16.6 24.8

