

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050421\
 Data File : BF123821.D
 Acq On : 4 May 2021 22:00
 Operator : JU/CG
 Sample : M2255-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-050321

Quant Time: May 05 05:14:15 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 04 12:58:27 2021
 Response via : Initial Calibration

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

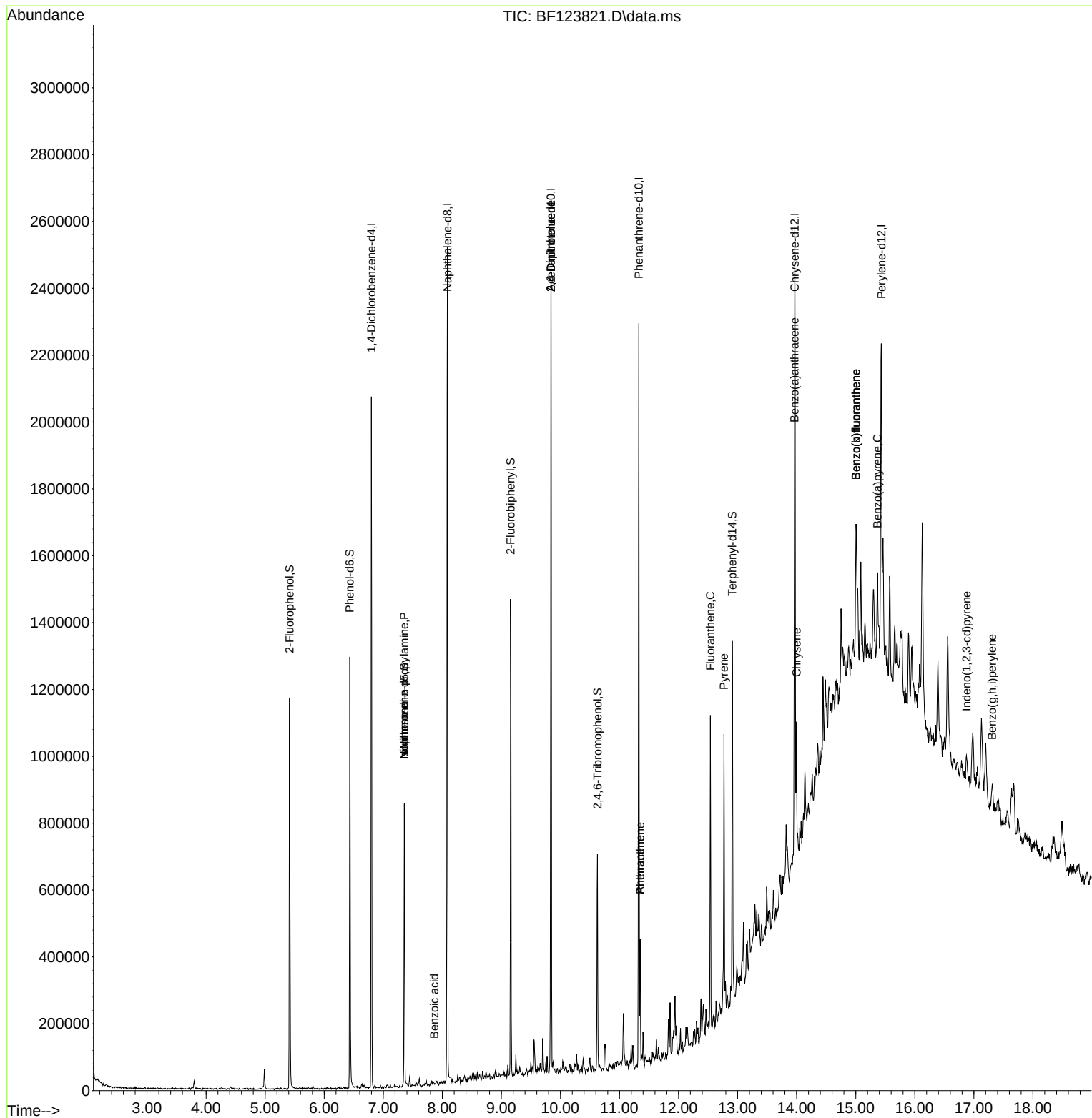
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	257954	20.00	ng	-0.01
21) Naphthalene-d8	8.086	136	971071	20.00	ng	-0.01
39) Acenaphthene-d10	9.839	164	452730	20.00	ng	-0.01
64) Phenanthrene-d10	11.327	188	746992	20.00	ng	-0.01
76) Chrysene-d12	13.968	240	579976	20.00	ng	#-0.02
86) Perylene-d12	15.433	264	443618	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	260357	15.99	ng	0.00
7) Phenol-d6	6.433	99	329925	14.71	ng	-0.01
23) Nitrobenzene-d5	7.357	82	221966	10.32	ng	-0.02
42) 2,4,6-Tribromophenol	10.627	330	71763	12.73	ng	-0.02
45) 2-Fluorobiphenyl	9.157	172	382439	12.30	ng	-0.02
79) Terphenyl-d14	12.910	244	322980	10.72	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.357	70	30354	2.19	ng	# 74
25) Isophorone	7.357	82	221961	5.50	ng	# 69
32) Benzoic acid	7.863	122	112	5.40	ng	# 73
51) 2,6-Dinitrotoluene	9.839	165	57891	7.85	ng	# 12
57) 2,4-Dinitrotoluene	9.839	165	57891	5.76	ng	# 17
71) Phenanthrene	11.351	178	127703	3.26	ng	99
72) Anthracene	11.351	178	127703	3.28	ng	98
75) Fluoranthene	12.539	202	329083	7.70	ng	99
78) Pyrene	12.768	202	318043	7.06	ng	96
81) Benzo(a)anthracene	13.962	228	173421	4.93	ng	94
83) Chrysene	13.998	228	170036	4.81	ng	96
87) Indeno(1,2,3-cd)pyrene	16.874	276	63091	2.44	ng	95
88) Benzo(b)fluoranthene	15.004	252	228715	7.65	ng	# 86
89) Benzo(k)fluoranthene	15.004	252	228715	8.02	ng	# 86
90) Benzo(a)pyrene	15.368	252	113251	4.43	ng	# 92
92) Benzo(g,h,i)perylene	17.309	276	57536	2.63	ng	# 86

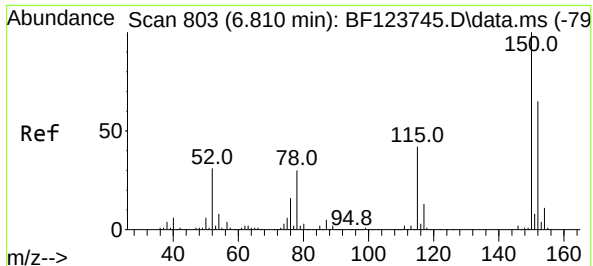
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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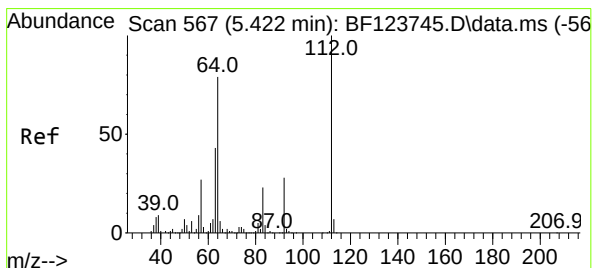
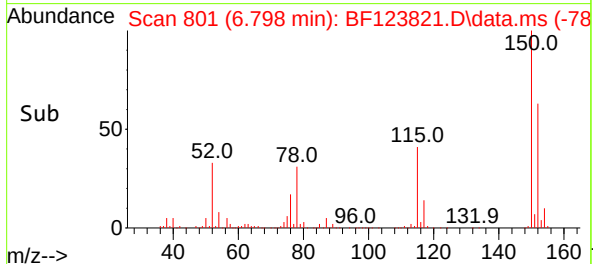
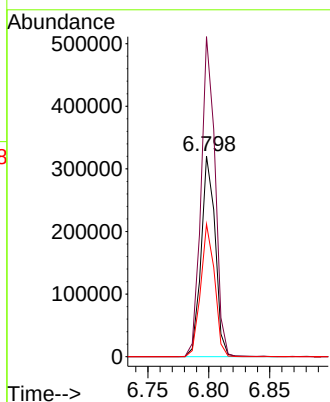
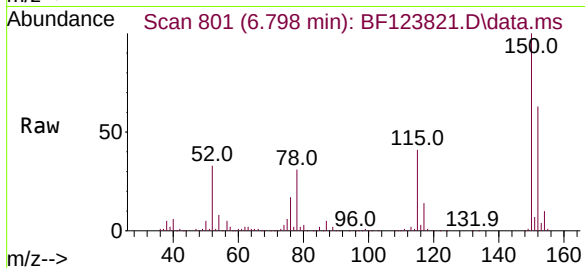




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.798 min Scan# 801
 Delta R.T. -0.012 min
 Lab File: BF123821.D
 Acq: 4 May 2021 22:00

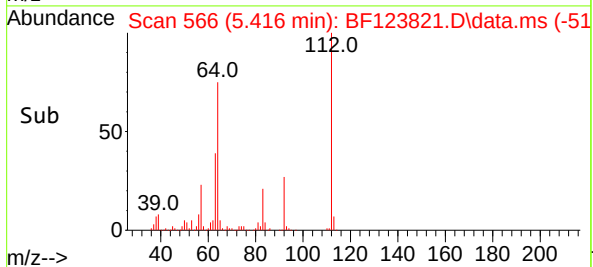
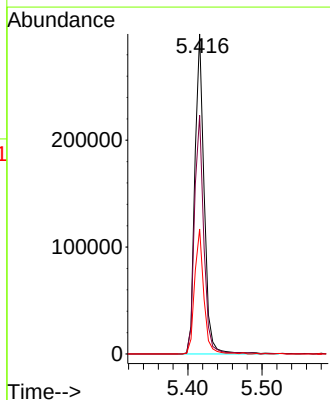
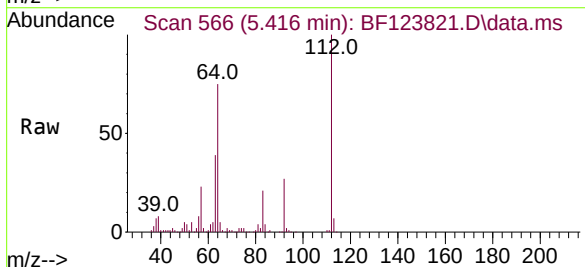
Instrument :
 BNA_F
 ClientSampleID :
 OK-01-050321

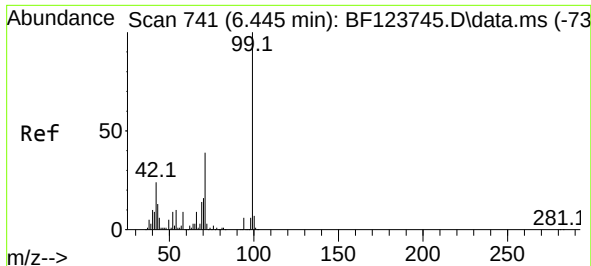
Tgt Ion:152 Resp: 257954
 Ion Ratio Lower Upper
 152 100
 150 159.5 127.0 190.6
 115 66.0 54.3 81.5



#5
 2-Fluorophenol
 Concen: 15.99 ng
 RT: 5.416 min Scan# 566
 Delta R.T. -0.006 min
 Lab File: BF123821.D
 Acq: 4 May 2021 22:00

Tgt Ion:112 Resp: 260357
 Ion Ratio Lower Upper
 112 100
 64 74.5 61.4 92.0
 63 39.0 33.0 49.4

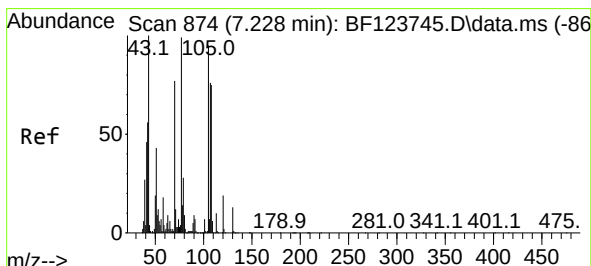
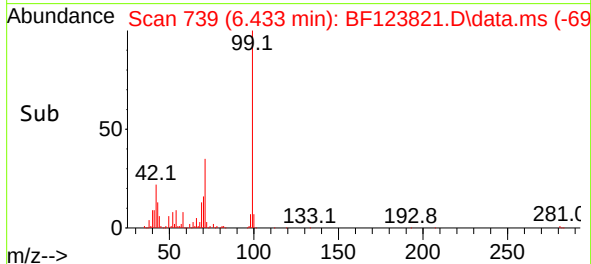
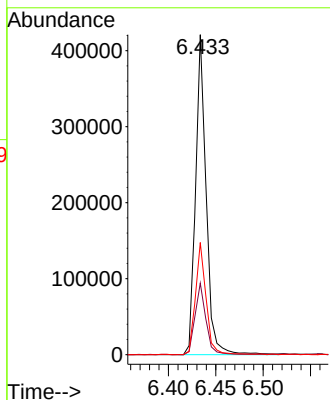
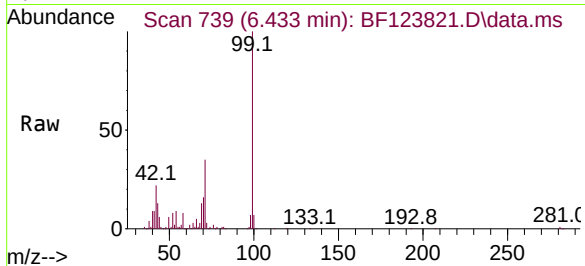




#7
Phenol-d6
Concen: 14.71 ng
RT: 6.433 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF123821.D
Acq: 4 May 2021 22:00

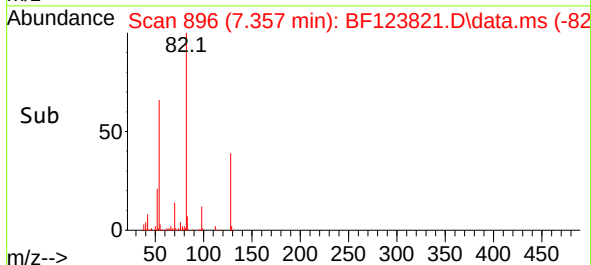
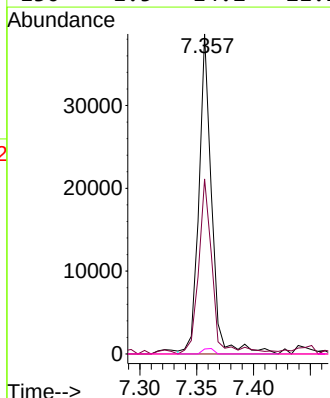
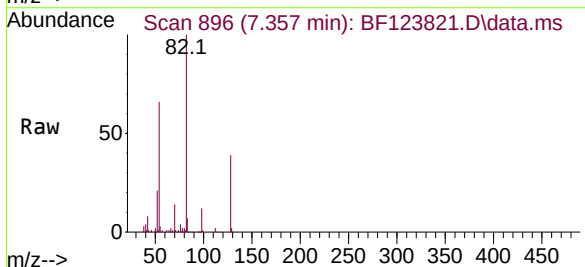
Instrument :
BNA_F
ClientSampleId :
OK-01-050321

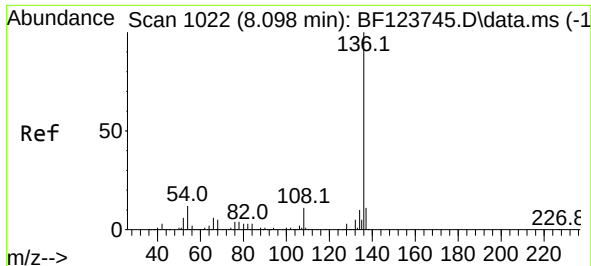
Tgt Ion: 99 Resp: 329925
Ion Ratio Lower Upper
99 100
42 22.4 19.8 29.8
71 35.0 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 2.19 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.129 min
Lab File: BF123821.D
Acq: 4 May 2021 22:00

Tgt Ion: 70 Resp: 30354
Ion Ratio Lower Upper
70 100
42 54.7 60.1 90.1#
101 0.0 7.4 11.2#
130 1.5 14.2 21.2#



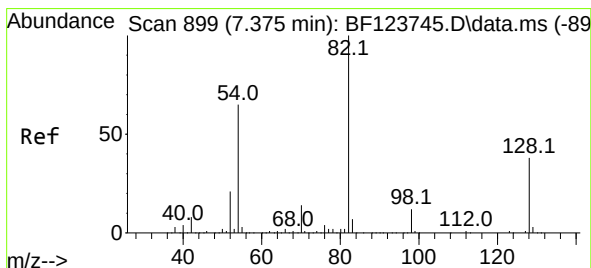
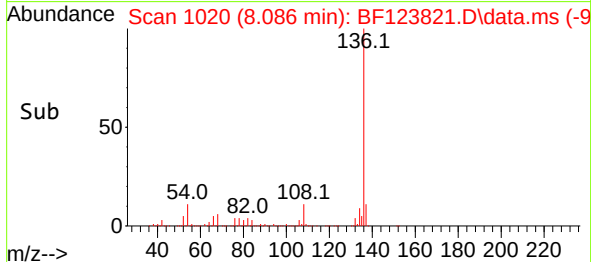
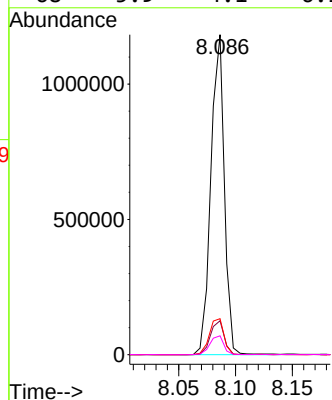
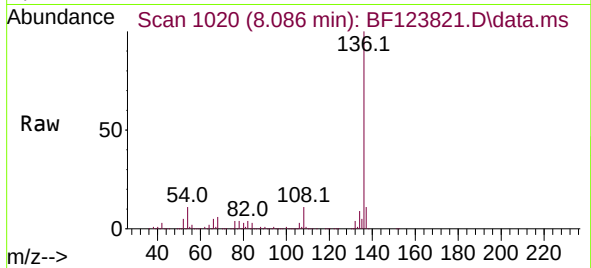


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.086 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BF123821.D
Acq: 4 May 2021 22:00

Instrument :
BNA_F
ClientSampleId :
OK-01-050321

Tgt Ion:136 Resp: 971071

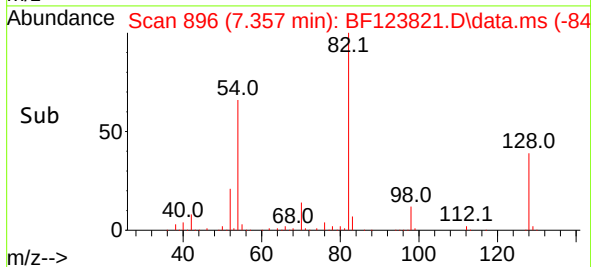
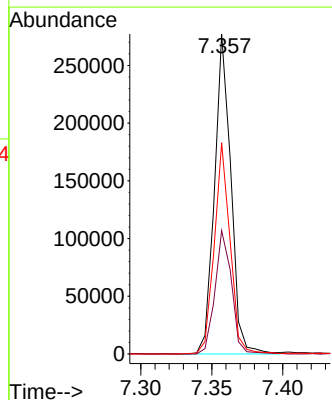
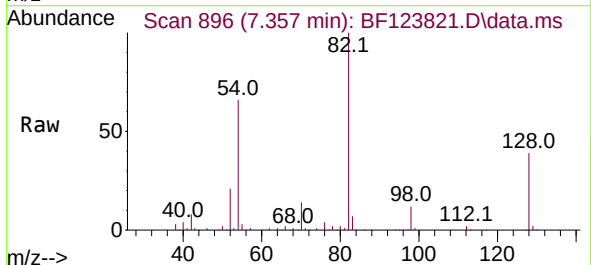
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	11.3	9.8	14.6
68	5.9	4.1	6.1

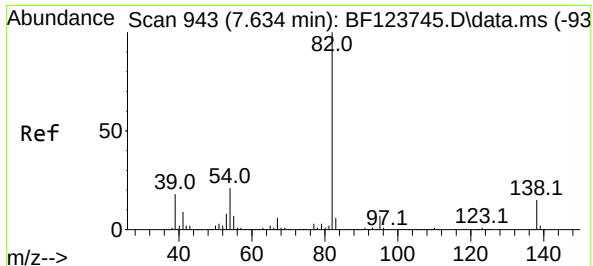


#23
Nitrobenzene-d5
Concen: 10.32 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.018 min
Lab File: BF123821.D
Acq: 4 May 2021 22:00

Tgt Ion: 82 Resp: 221966

Ion	Ratio	Lower	Upper
82	100		
128	38.6	29.4	44.2
54	66.0	54.1	81.1

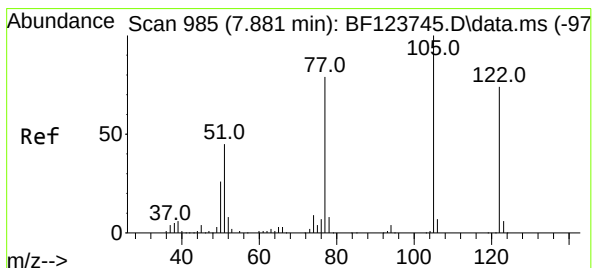
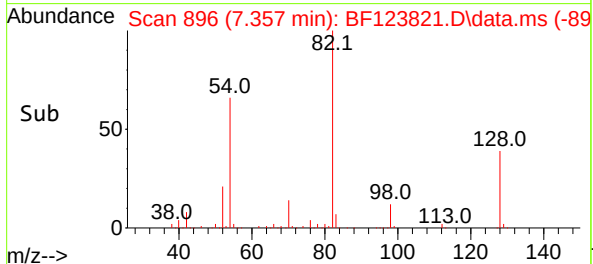
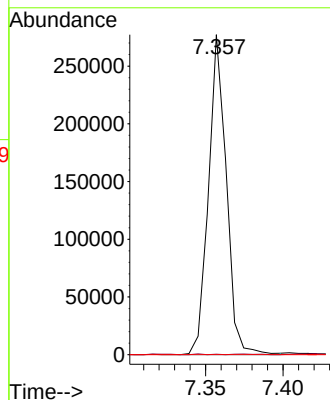
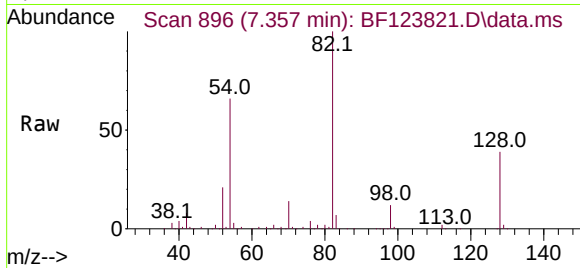




#25
Isophorone
Concen: 5.50 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.277 min
Lab File: BF123821.D
Acq: 4 May 2021 22:00

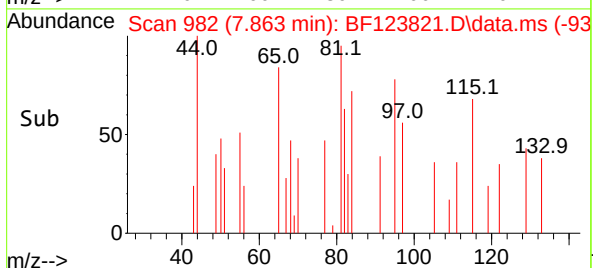
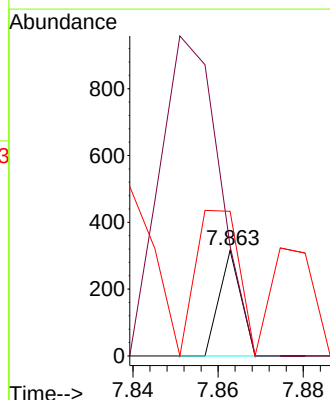
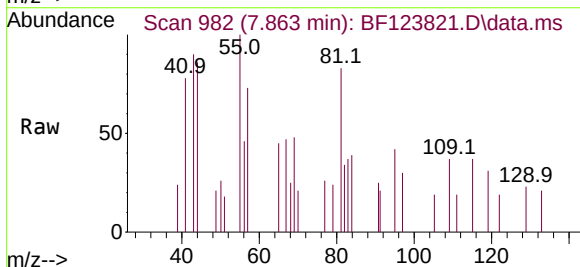
Instrument :
BNA_F
ClientSampleId :
OK-01-050321

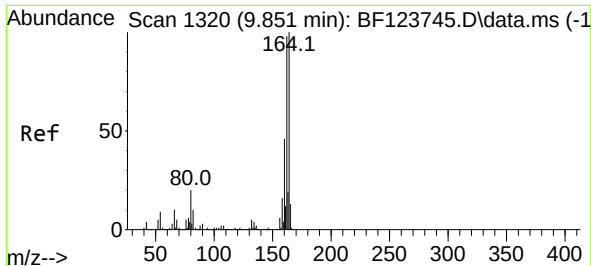
Tgt Ion: 82 Resp: 221961
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 5.40 ng
RT: 7.863 min Scan# 982
Delta R.T. -0.018 min
Lab File: BF123821.D
Acq: 4 May 2021 22:00

Tgt Ion: 122 Resp: 112
Ion Ratio Lower Upper
122 100
105 103.8 107.8 147.8#
77 137.0 81.6 121.6#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.839 min Scan# 1318

Delta R.T. -0.012 min

Lab File: BF123821.D

Acq: 4 May 2021 22:00

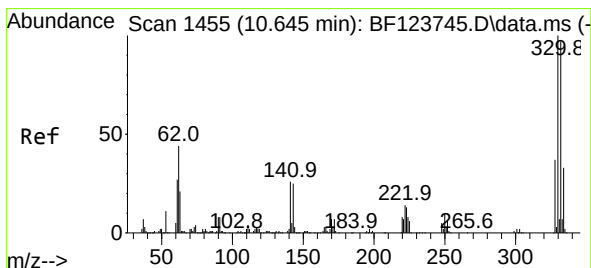
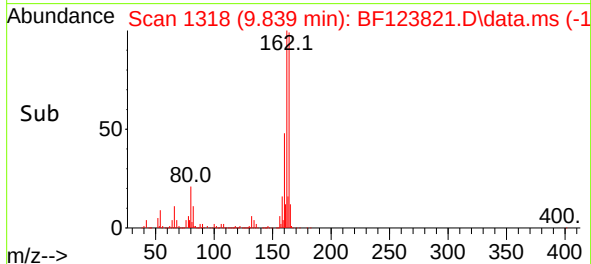
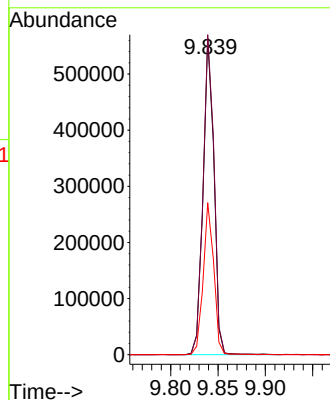
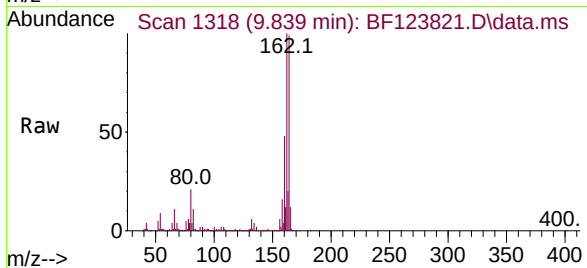
Tgt Ion:164 Resp: 452730

Ion Ratio Lower Upper

164 100

162 101.1 80.7 121.1

160 48.0 37.3 55.9



#42

2,4,6-Tribromophenol

Concen: 12.73 ng

RT: 10.627 min Scan# 1452

Delta R.T. -0.018 min

Lab File: BF123821.D

Acq: 4 May 2021 22:00

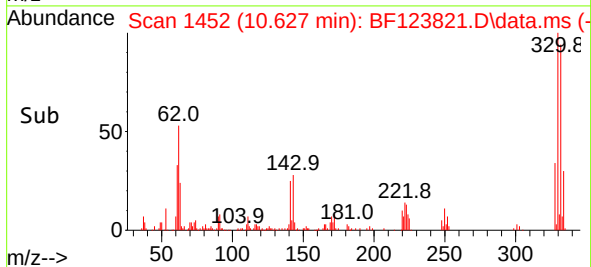
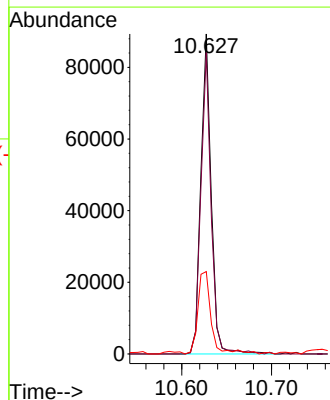
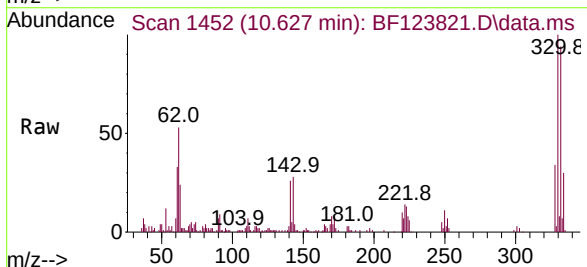
Tgt Ion:330 Resp: 71763

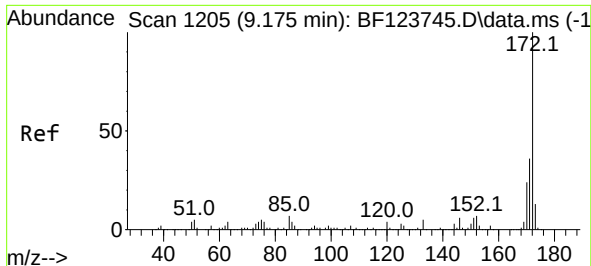
Ion Ratio Lower Upper

330 100

332 93.1 77.1 115.7

141 33.1 27.9 41.9

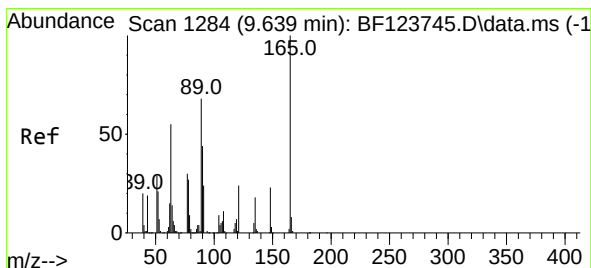
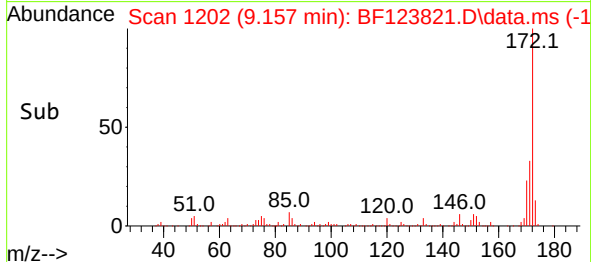
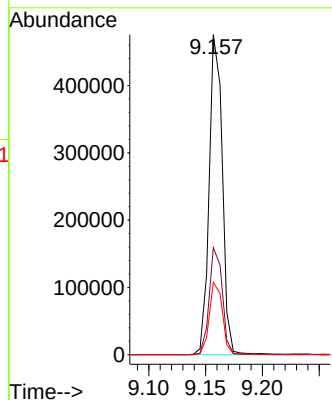
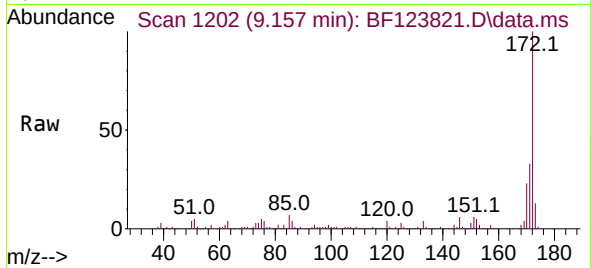




#45
2-Fluorobiphenyl
Concen: 12.30 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.018 min
Lab File: BF123821.D
Acq: 4 May 2021 22:00

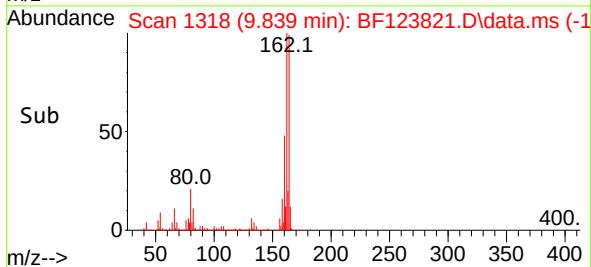
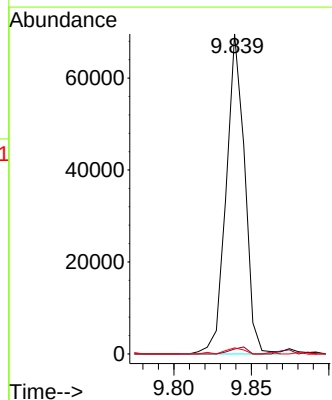
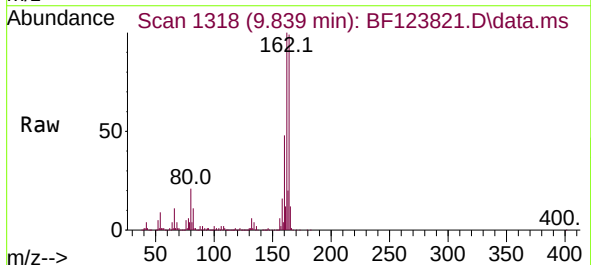
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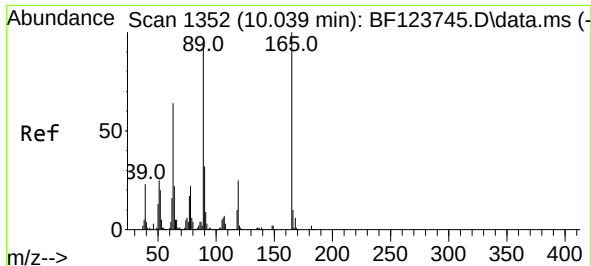
Tgt Ion:172 Resp: 382439
Ion Ratio Lower Upper
172 100
171 33.5 28.1 42.1
170 22.6 19.2 28.8



#51
2,6-Dinitrotoluene
Concen: 7.85 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.200 min
Lab File: BF123821.D
Acq: 4 May 2021 22:00

Tgt Ion:165 Resp: 57891
Ion Ratio Lower Upper
165 100
63 1.6 67.7 101.5#
89 1.9 58.8 88.2#

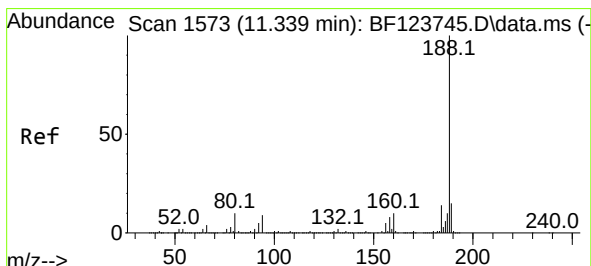
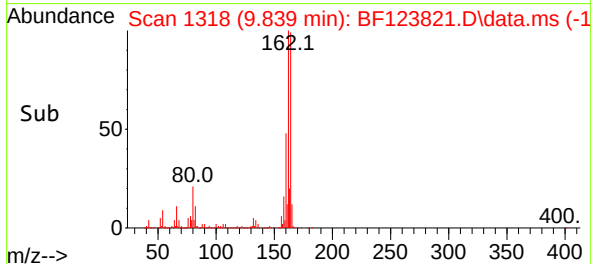
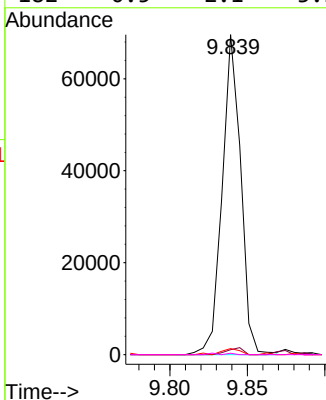
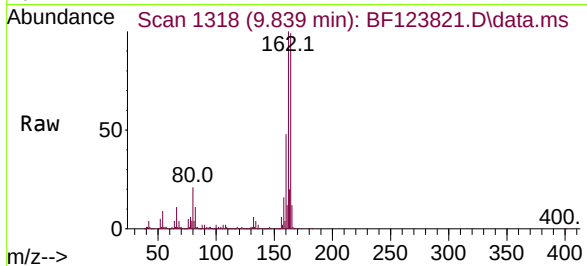




#57
2,4-Dinitrotoluene
Concen: 5.76 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.200 min
Lab File: BF123821.D
Acq: 4 May 2021 22:00

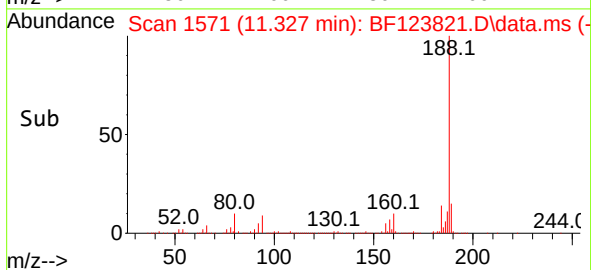
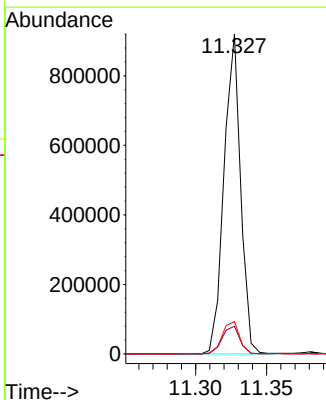
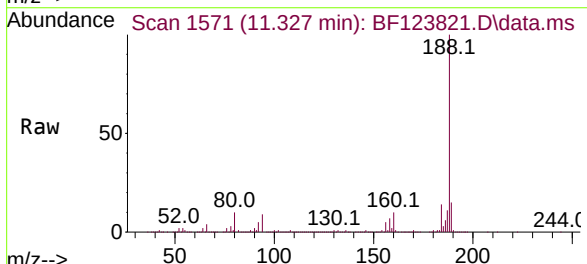
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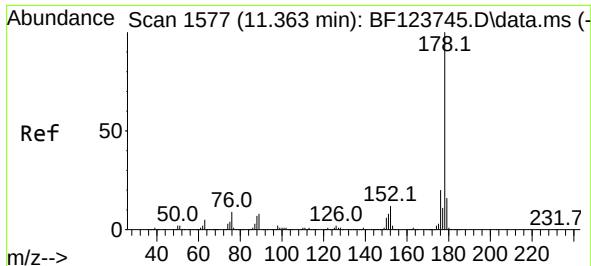
Tgt Ion:165 Resp: 57891
Ion Ratio Lower Upper
165 100
63 1.6 43.5 65.3#
89 1.9 67.7 101.5#
182 0.5 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF123821.D
Acq: 4 May 2021 22:00

Tgt Ion:188 Resp: 746992
Ion Ratio Lower Upper
188 100
94 8.6 6.9 10.3
80 10.1 8.2 12.2

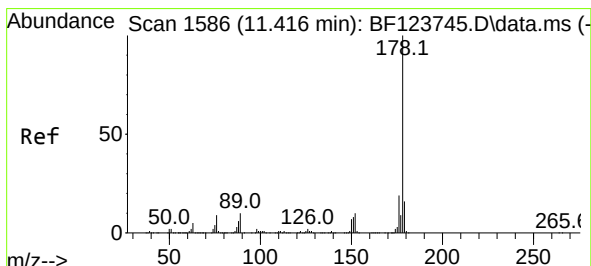
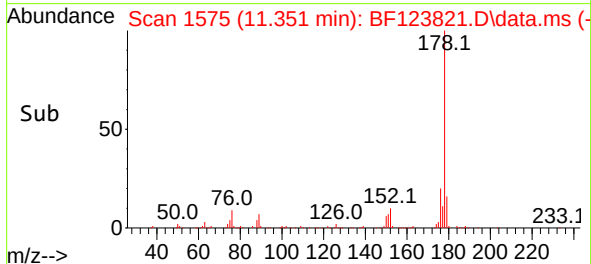
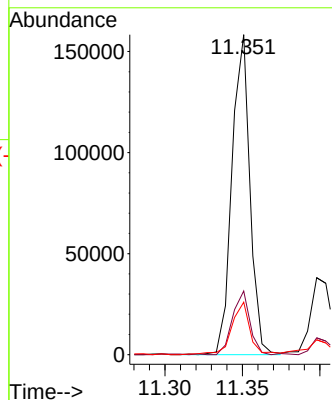
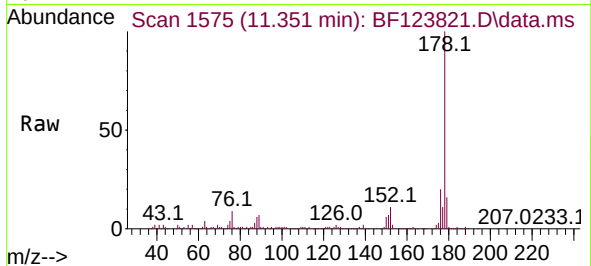




#71
Phenanthrene
Concen: 3.26 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF123821.D
Acq: 4 May 2021 22:00

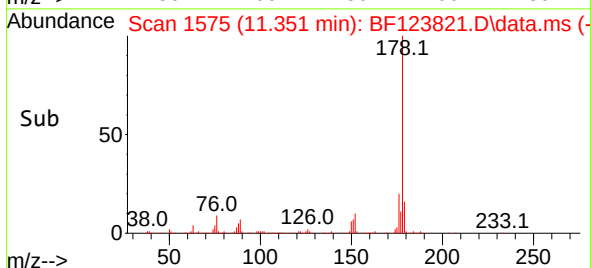
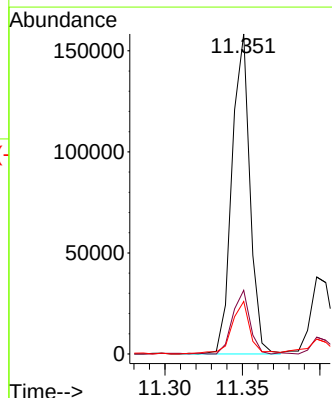
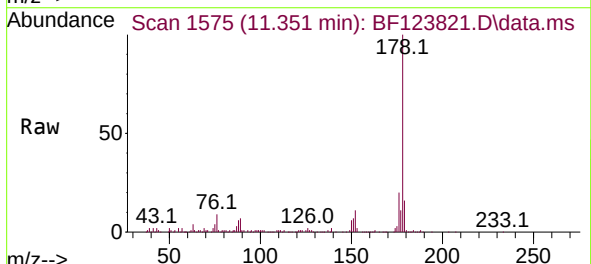
Instrument :
BNA_F
ClientSampleId :
OK-01-050321

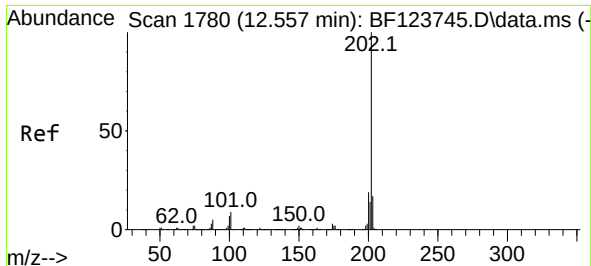
Tgt Ion:178 Resp: 127703
Ion Ratio Lower Upper
178 100
176 19.9 15.6 23.4
179 16.4 12.5 18.7



#72
Anthracene
Concen: 3.28 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.065 min
Lab File: BF123821.D
Acq: 4 May 2021 22:00

Tgt Ion:178 Resp: 127703
Ion Ratio Lower Upper
178 100
176 19.9 15.4 23.0
179 16.4 12.6 18.8

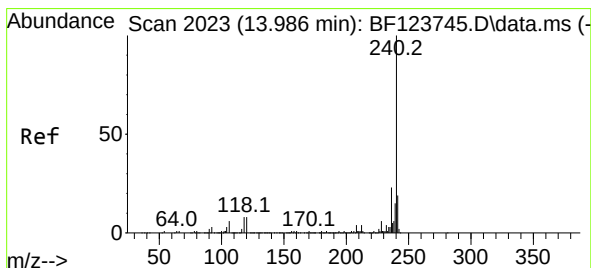
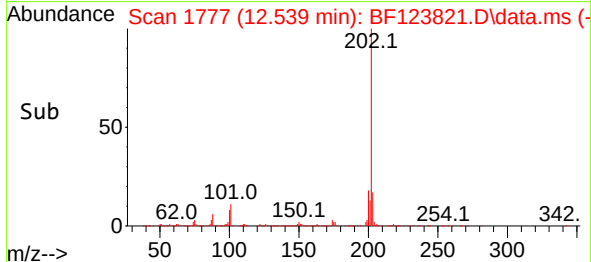
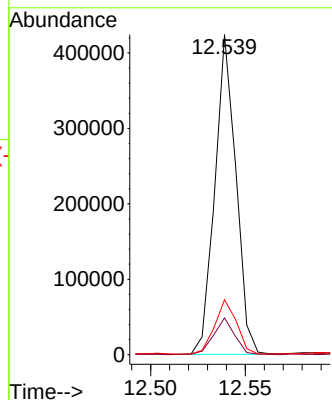
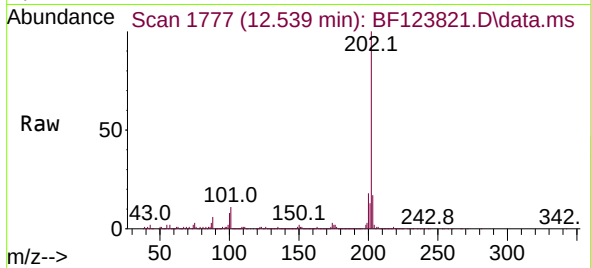




#75
Fluoranthene
Concen: 7.70 ng
RT: 12.539 min Scan# 1777
Delta R.T. -0.018 min
Lab File: BF123821.D
Acq: 4 May 2021 22:00

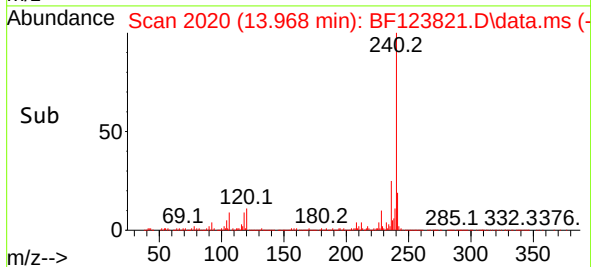
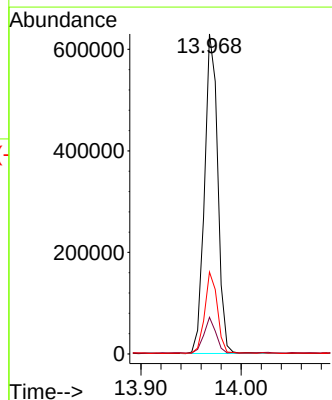
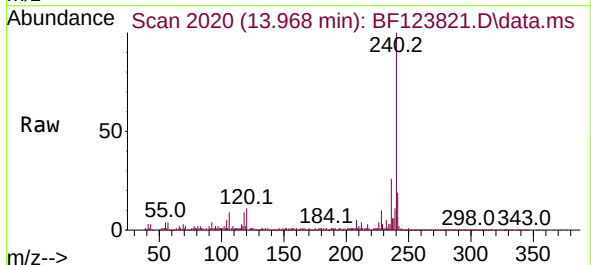
Instrument :
BNA_F
ClientSampleId :
OK-01-050321

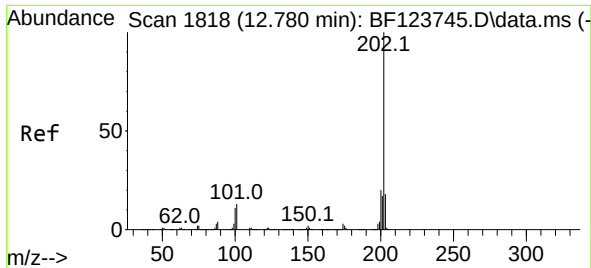
Tgt Ion:202 Resp: 329083
Ion Ratio Lower Upper
202 100
101 11.5 0.0 30.9
203 17.2 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.018 min
Lab File: BF123821.D
Acq: 4 May 2021 22:00

Tgt Ion:240 Resp: 579976
Ion Ratio Lower Upper
240 100
120 11.5 7.2 10.8#
236 25.6 19.0 28.4

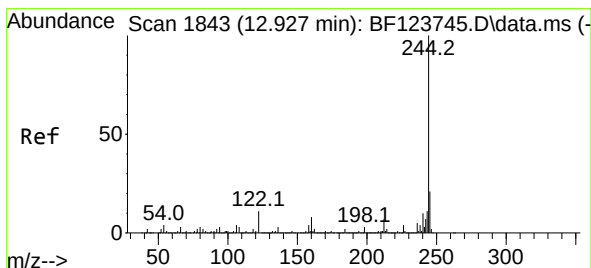
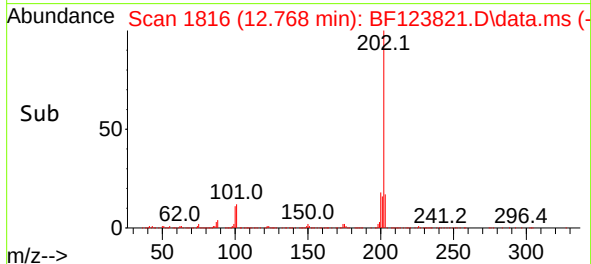
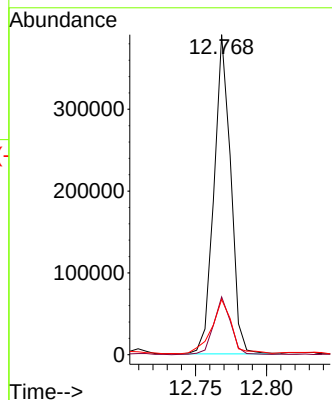
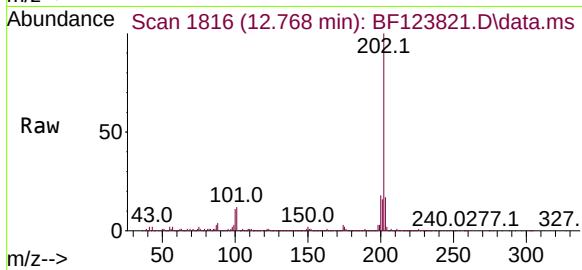




#78
Pyrene
Concen: 7.06 ng
RT: 12.768 min Scan# 1816
Delta R.T. -0.012 min
Lab File: BF123821.D
Acq: 4 May 2021 22:00

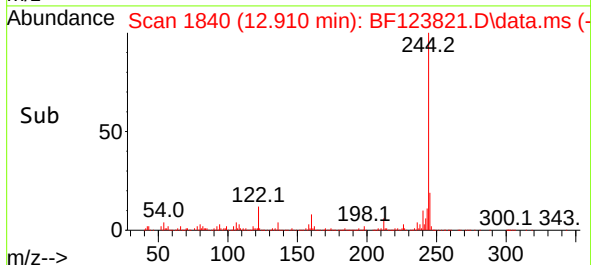
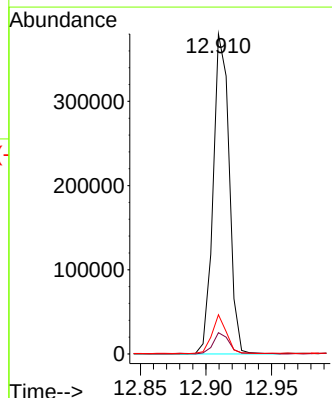
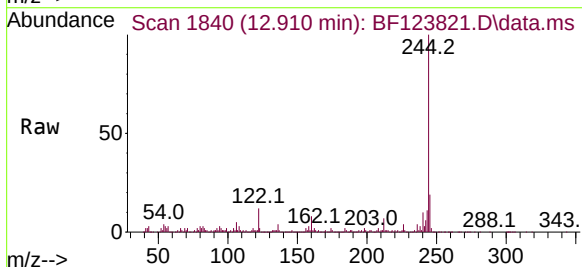
Instrument :
BNA_F
ClientSampleId :
OK-01-050321

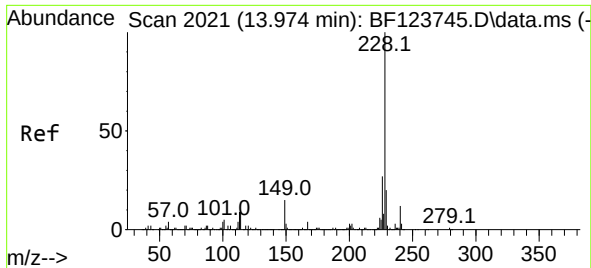
Tgt Ion:202 Resp: 318043
Ion Ratio Lower Upper
202 100
200 18.0 16.1 24.1
203 17.3 14.8 22.2



#79
Terphenyl-d14
Concen: 10.72 ng
RT: 12.910 min Scan# 1840
Delta R.T. -0.018 min
Lab File: BF123821.D
Acq: 4 May 2021 22:00

Tgt Ion:244 Resp: 322980
Ion Ratio Lower Upper
244 100
212 6.6 5.7 8.5
122 12.3 9.7 14.5

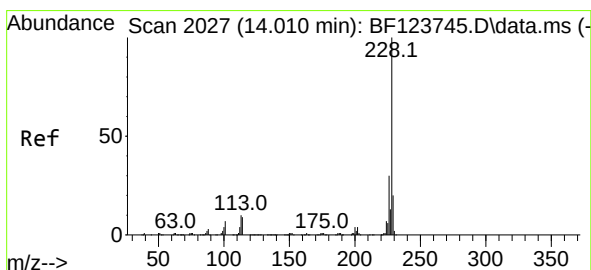
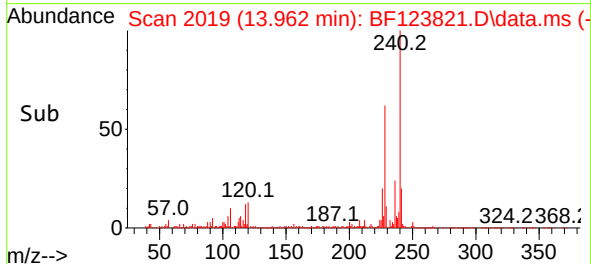
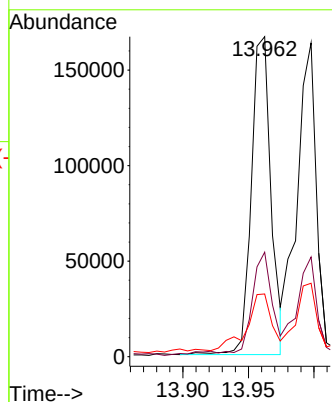
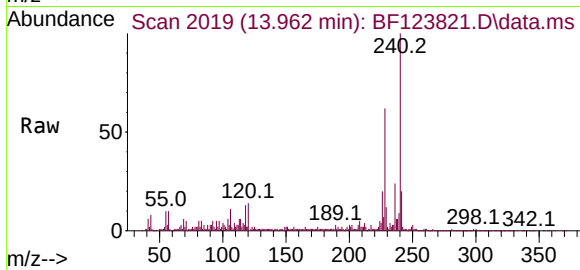




#81
Benzo(a)anthracene
Concen: 4.93 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF123821.D
Acq: 4 May 2021 22:00

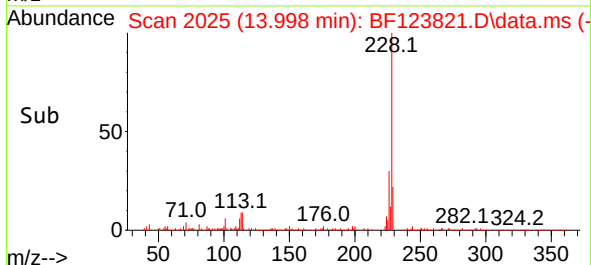
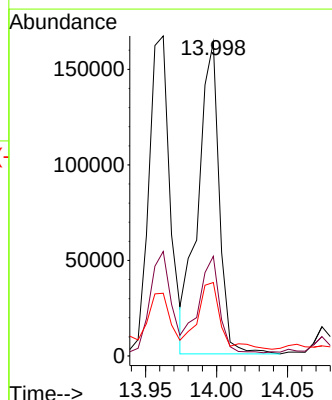
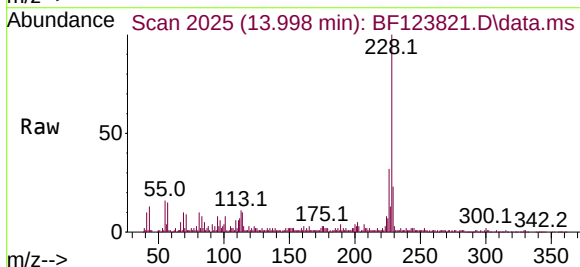
Instrument :
BNA_F
ClientSampleId :
OK-01-050321

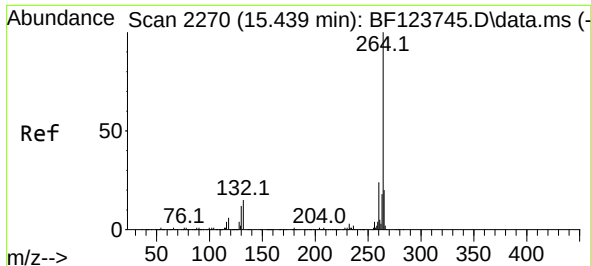
Tgt Ion:228 Resp: 173421
Ion Ratio Lower Upper
228 100
226 32.6 22.4 33.6
229 19.6 16.0 24.0



#83
Chrysene
Concen: 4.81 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.012 min
Lab File: BF123821.D
Acq: 4 May 2021 22:00

Tgt Ion:228 Resp: 170036
Ion Ratio Lower Upper
228 100
226 31.8 24.3 36.5
229 23.4 16.2 24.2

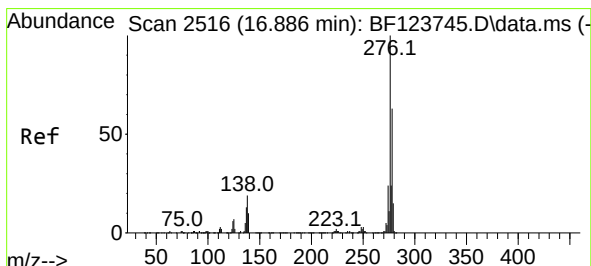
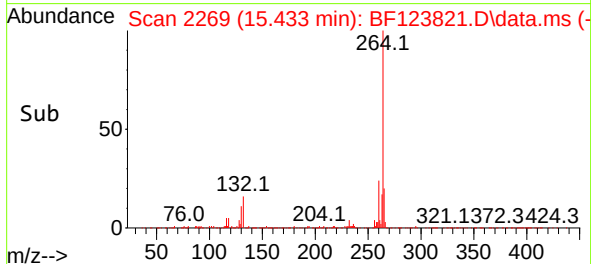
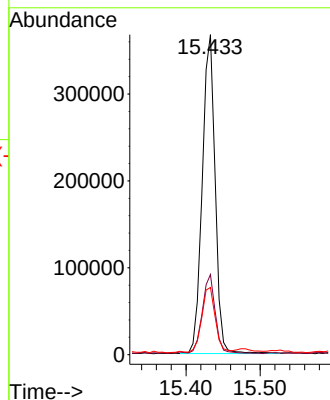
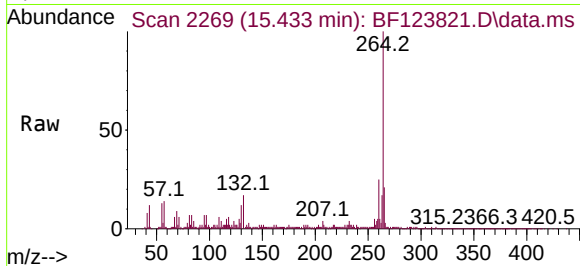




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.433 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF123821.D
Acq: 4 May 2021 22:00

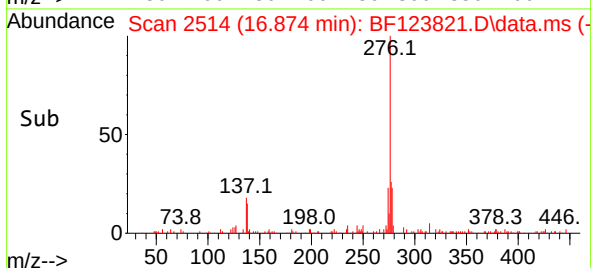
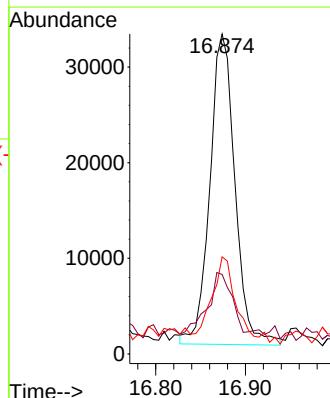
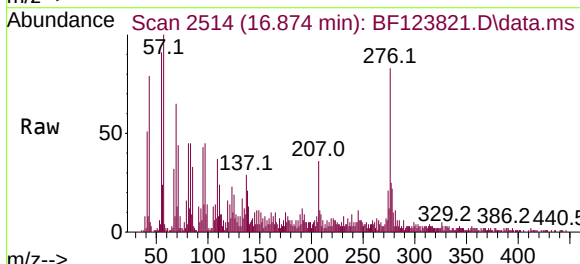
Instrument :
BNA_F
ClientSampleId :
OK-01-050321

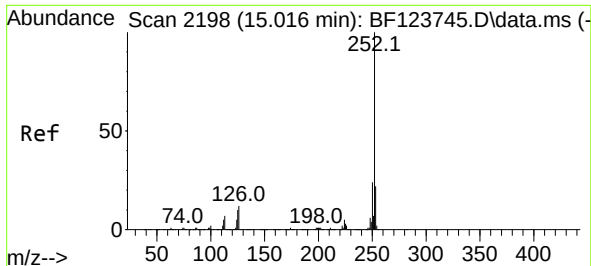
Tgt Ion:264 Resp: 443618
Ion Ratio Lower Upper
264 100
260 25.0 18.7 28.1
265 21.0 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.44 ng
RT: 16.874 min Scan# 2514
Delta R.T. -0.012 min
Lab File: BF123821.D
Acq: 4 May 2021 22:00

Tgt Ion:276 Resp: 63091
Ion Ratio Lower Upper
276 100
138 19.0 16.2 24.2
277 28.9 20.1 30.1

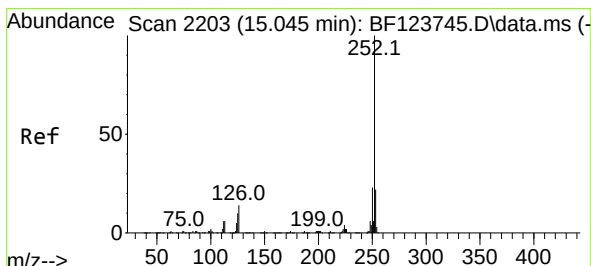
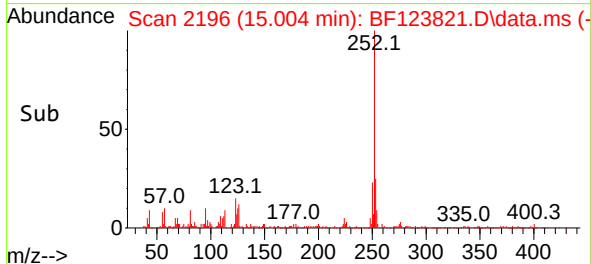
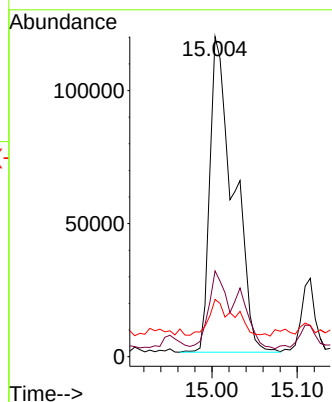
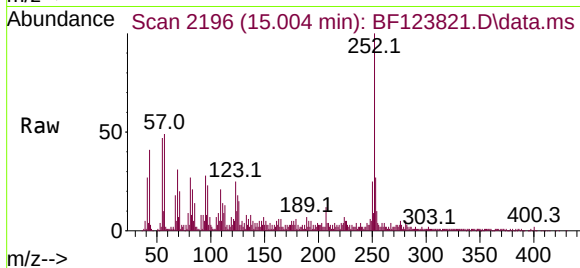




#88
Benzo(b)fluoranthene
Concen: 7.65 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BF123821.D
Acq: 4 May 2021 22:00

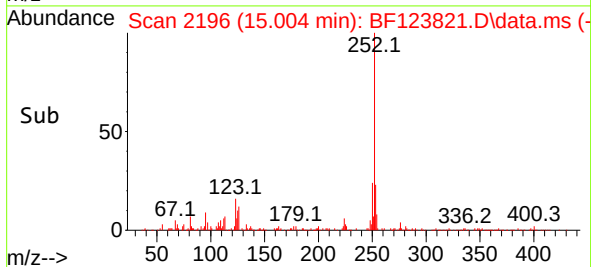
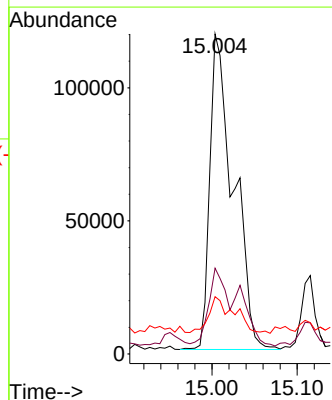
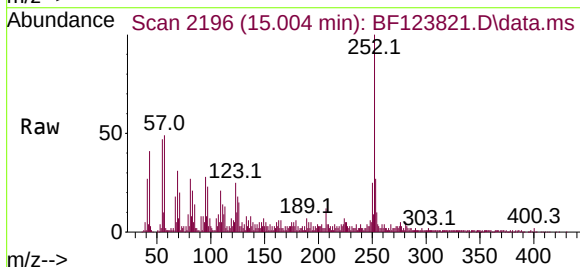
Instrument :
BNA_F
ClientSampleId :
OK-01-050321

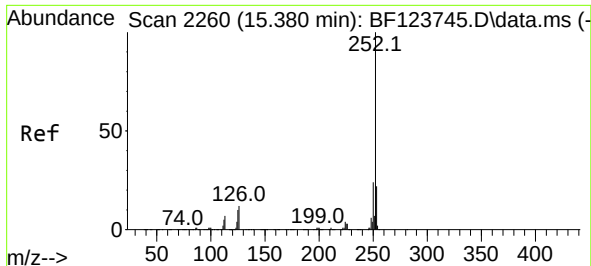
Tgt Ion:252 Resp: 228715
Ion Ratio Lower Upper
252 100
253 26.8 18.1 27.1
125 17.9 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 8.02 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.041 min
Lab File: BF123821.D
Acq: 4 May 2021 22:00

Tgt Ion:252 Resp: 228715
Ion Ratio Lower Upper
252 100
253 26.8 17.9 26.9
125 17.9 7.0 10.6#

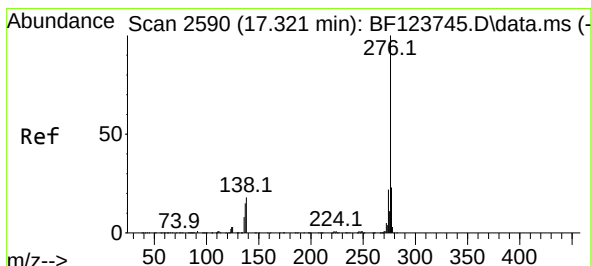
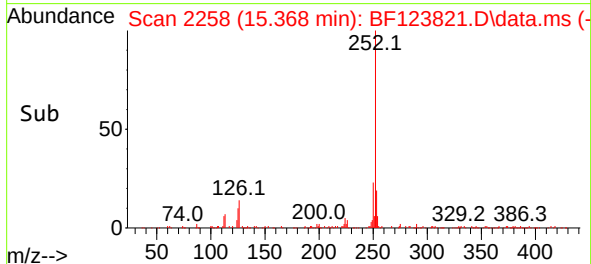
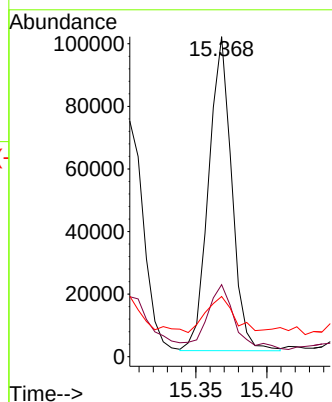
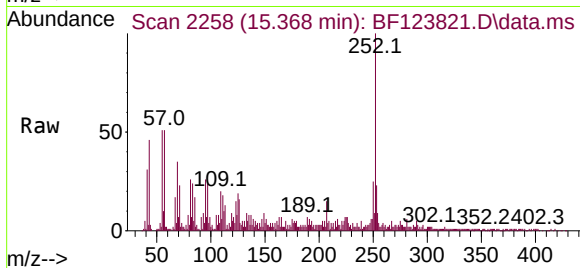




#90
Benzo(a)pyrene
Concen: 4.43 ng
RT: 15.368 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF123821.D
Acq: 4 May 2021 22:00

Instrument :
BNA_F
ClientSampleId :
OK-01-050321

Tgt Ion:252 Resp: 113251
Ion Ratio Lower Upper
252 100
253 22.5 18.4 27.6
125 18.8 8.0 12.0#



#92
Benzo(g,h,i)perylene
Concen: 2.63 ng
RT: 17.309 min Scan# 2588
Delta R.T. -0.012 min
Lab File: BF123821.D
Acq: 4 May 2021 22:00

Tgt Ion:276 Resp: 57536
Ion Ratio Lower Upper
276 100
277 27.2 18.2 27.2
138 25.9 13.8 20.6#

