

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
 Data File : BF125876.D
 Acq On : 18 Oct 2021 14:37
 Operator : JU/CG
 Sample : M4252-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-CB-(1)

Quant Time: Oct 19 09:06:57 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 18 12:43:03 2021
 Response via : Initial Calibration

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

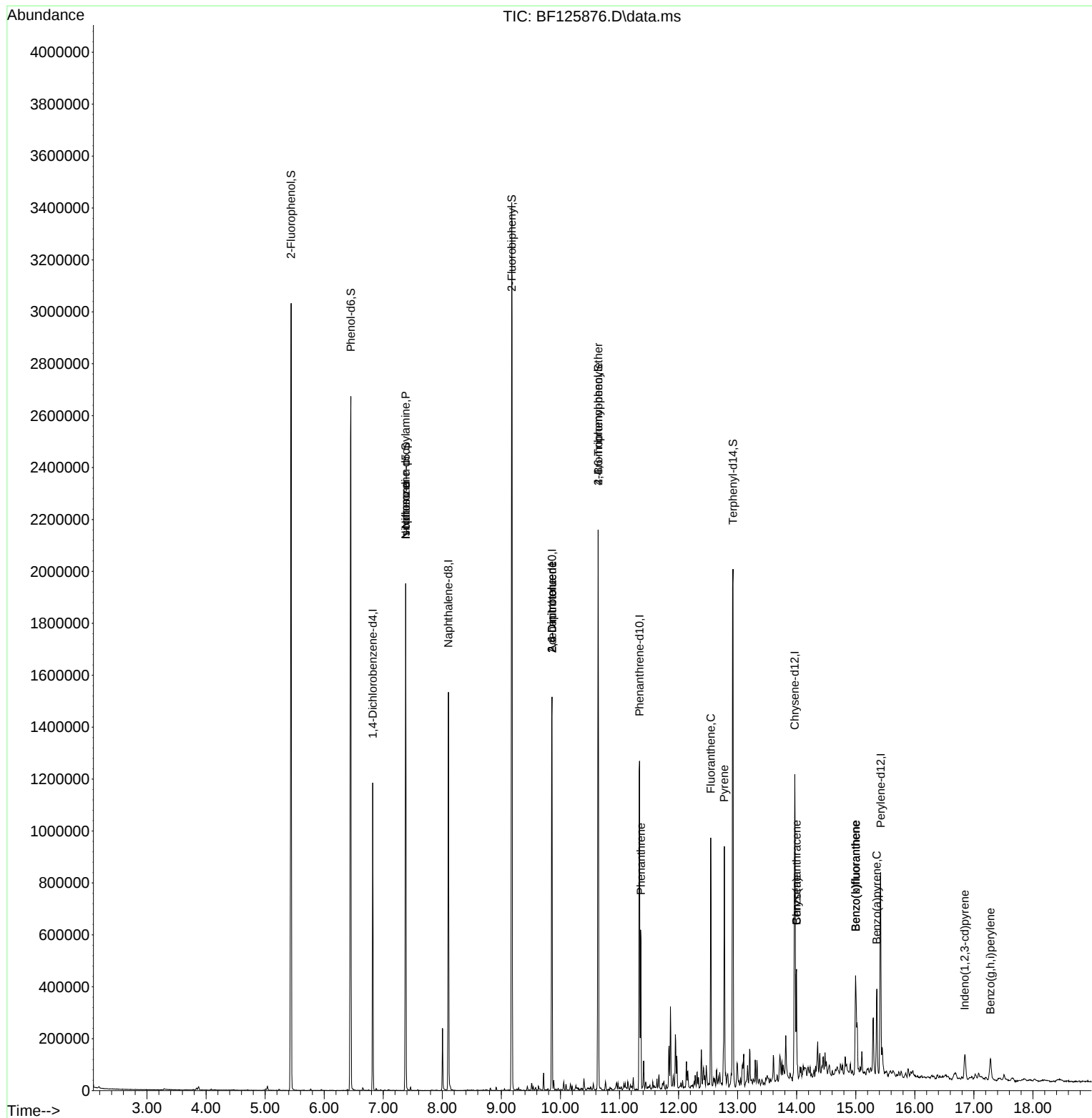
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	165390	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	656854	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	329885	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	486142	20.000	ng	0.00
76) Chrysene-d12	13.968	240	324183	20.000	ng	0.00
86) Perylene-d12	15.421	264	335016	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	887633	87.675	ng	0.00
7) Phenol-d6	6.451	99	1062086	81.492	ng	0.00
23) Nitrobenzene-d5	7.381	82	619910	58.664	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	248904	76.422	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	1104629	57.756	ng	0.00
79) Terphenyl-d14	12.921	244	684967	32.185	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.381	70	77462	11.259	ng	# 51
25) Isophorone	7.381	82	616976	32.956	ng	# 59
51) 2,6-Dinitrotoluene	9.857	165	42200	9.614	ng	# 27
57) 2,4-Dinitrotoluene	9.857	165	42200	7.604	ng	# 19
67) 4-Bromophenyl-phenylether	10.639	248	13587	2.524	ng	# 1
71) Phenanthrene	11.363	178	230926	8.878	ng	99
75) Fluoranthene	12.545	202	349004	14.870	ng	96
78) Pyrene	12.774	202	337151	10.237	ng	97
81) Benzo(a)anthracene	13.998	228	169052	8.038	ng	98
83) Chrysene	13.998	228	169052	8.132	ng	100
87) Indeno(1,2,3-cd)pyrene	16.845	276	65463	2.560	ng	92
88) Benzo(b)fluoranthene	14.998	252	270772	14.316	ng	97
89) Benzo(k)fluoranthene	14.998	252	270772	13.944	ng	# 96
90) Benzo(a)pyrene	15.357	252	146006	8.717	ng	98
92) Benzo(g,h,i)perylene	17.280	276	63076	2.928	ng	93

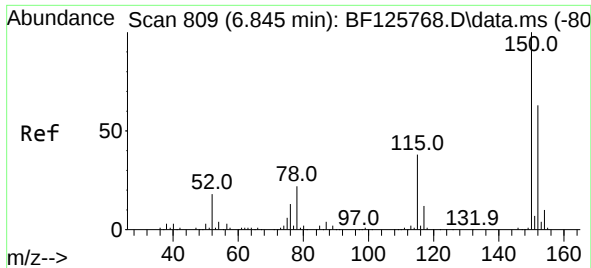
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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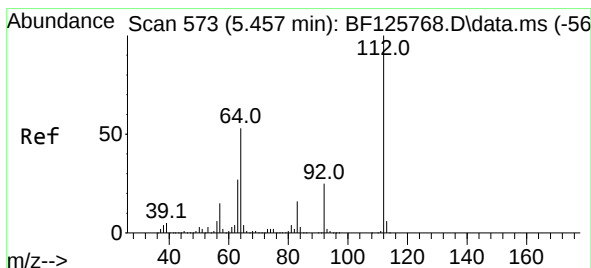
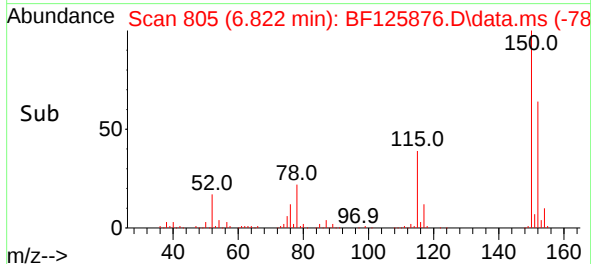
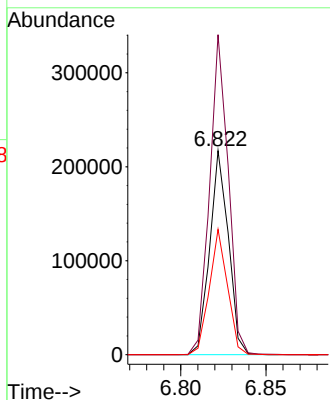
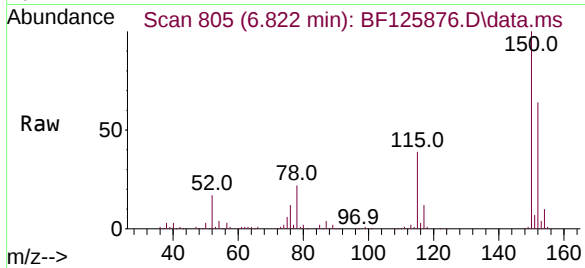




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF125876.D
Acq: 18 Oct 2021 14:37

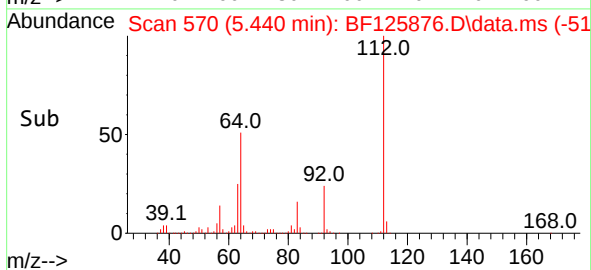
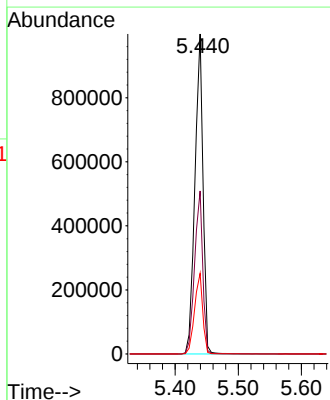
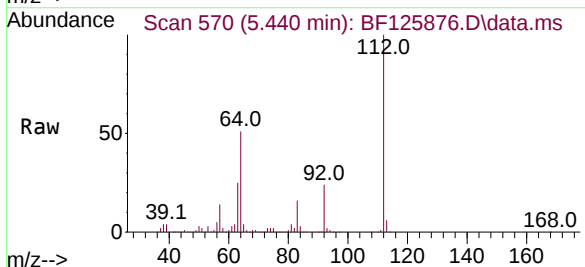
Instrument :
BNA_F
ClientSampleId :
MH-CB-(1)

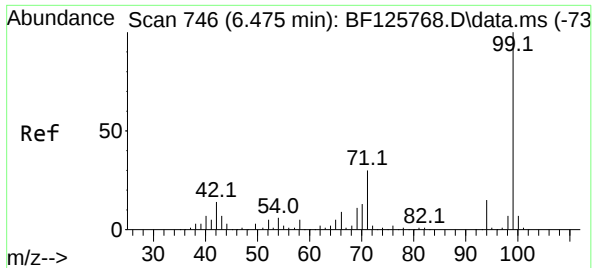
Tgt Ion:152 Resp: 165390
Ion Ratio Lower Upper
152 100
150 156.8 117.6 176.4
115 61.4 47.1 70.7



#5
2-Fluorophenol
Concen: 87.675 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF125876.D
Acq: 18 Oct 2021 14:37

Tgt Ion:112 Resp: 887633
Ion Ratio Lower Upper
112 100
64 50.9 44.2 66.2
63 25.2 26.2 39.2#

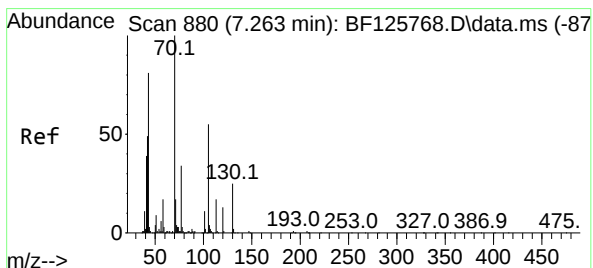
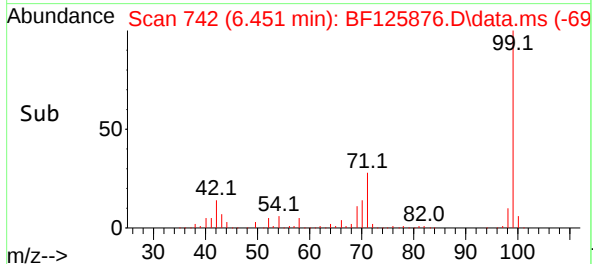
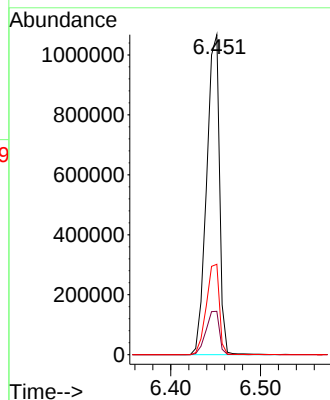
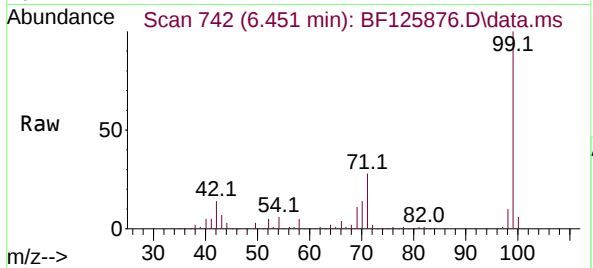




#7
Phenol-d6
Concen: 81.492 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF125876.D
Acq: 18 Oct 2021 14:37

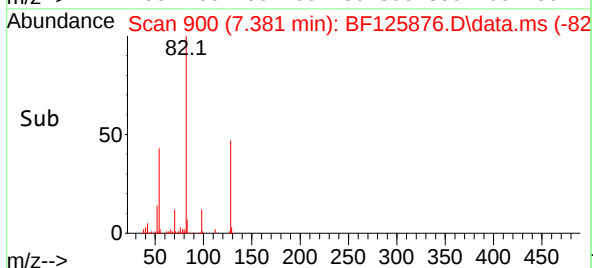
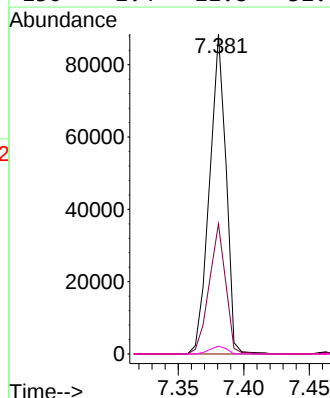
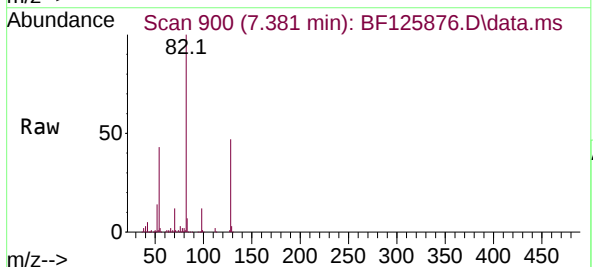
Instrument :
BNA_F
ClientSampleId :
MH-CB-(1)

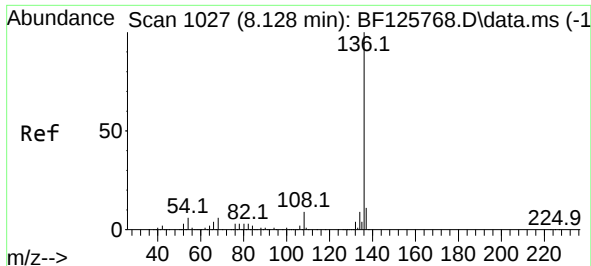
Tgt Ion: 99 Resp: 1062086
Ion Ratio Lower Upper
99 100
42 13.5 23.5 35.3#
71 28.3 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.259 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF125876.D
Acq: 18 Oct 2021 14:37

Tgt Ion: 70 Resp: 77462
Ion Ratio Lower Upper
70 100
42 40.6 72.2 108.2#
101 0.0 7.8 11.8#
130 2.4 21.8 32.6#

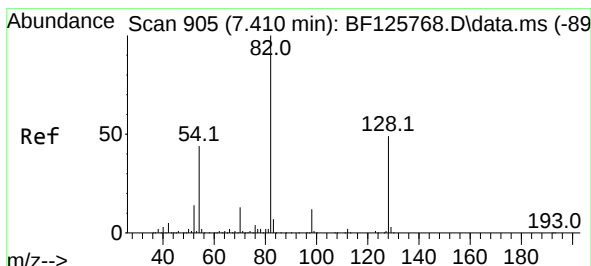
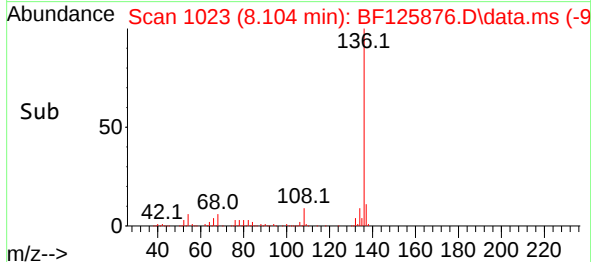
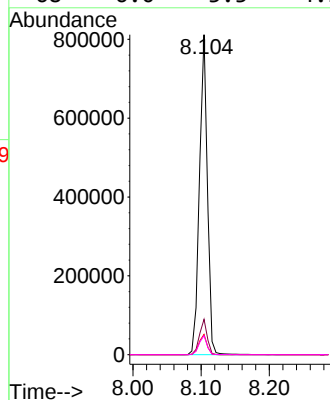
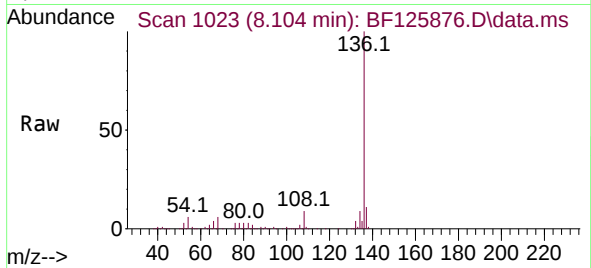




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF125876.D
Acq: 18 Oct 2021 14:37

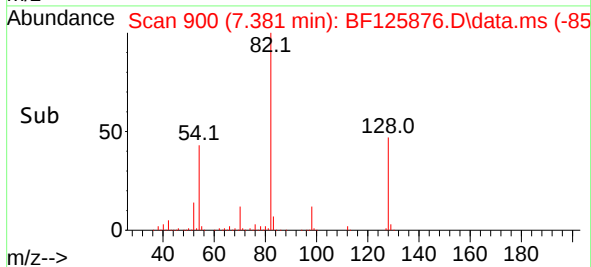
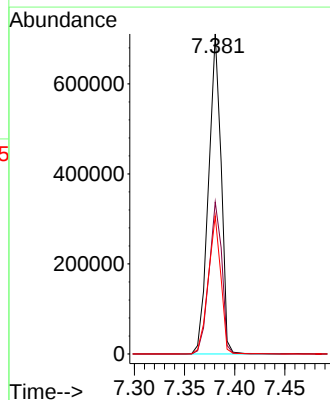
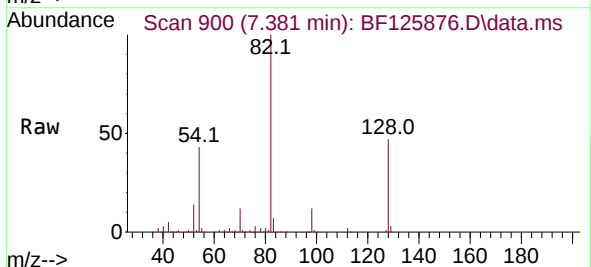
Instrument :
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ClientSampleId :
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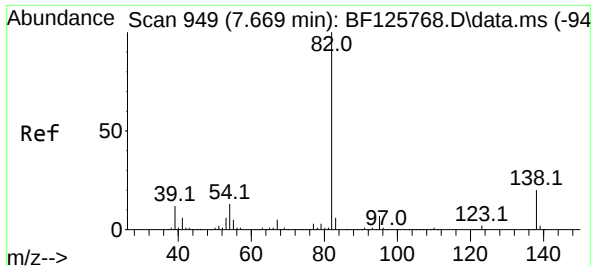
Tgt Ion:136	Resp: 656854
Ion Ratio	Lower Upper
136	100
137	11.0 9.8 14.6
54	6.4 6.4 9.6#
68	6.0 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 58.664 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF125876.D
Acq: 18 Oct 2021 14:37

Tgt Ion: 82	Resp: 619910
Ion Ratio	Lower Upper
82	100
128	47.5 40.6 60.8
54	43.2 49.6 74.4#

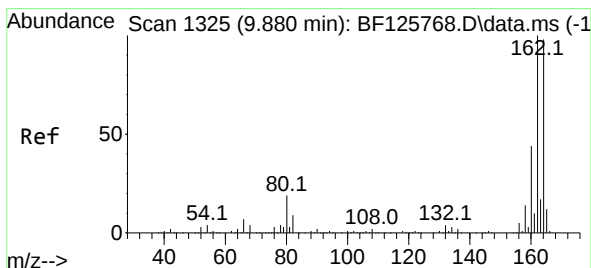
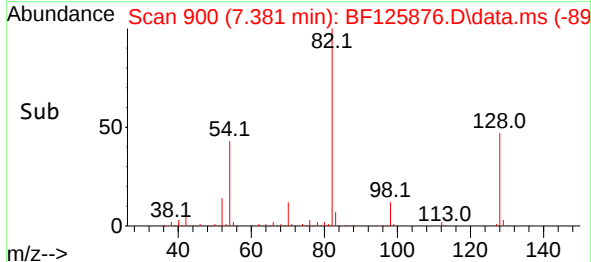
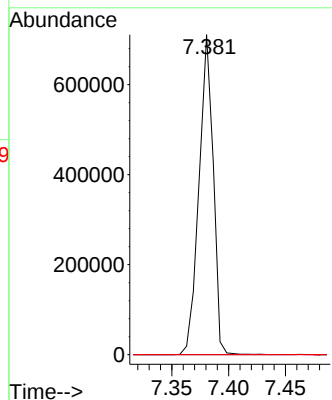
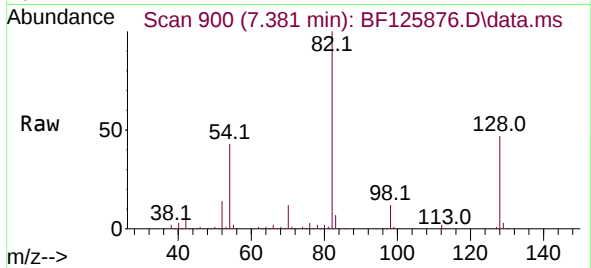




#25
Isophorone
Concen: 32.956 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.271 min
Lab File: BF125876.D
Acq: 18 Oct 2021 14:37

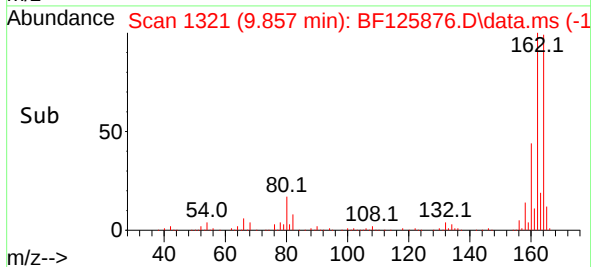
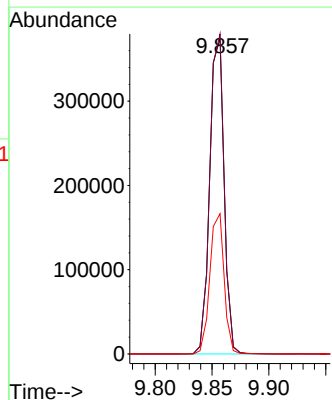
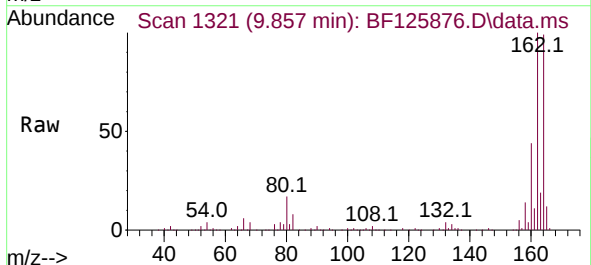
Instrument :
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ClientSampleId :
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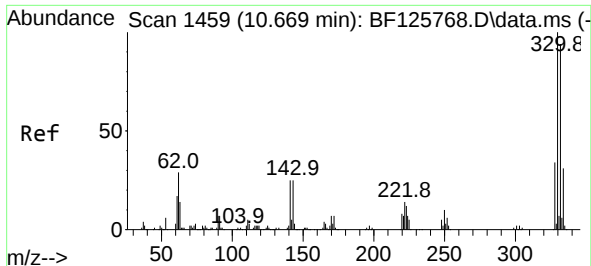
Tgt Ion: 82 Resp: 616976
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF125876.D
Acq: 18 Oct 2021 14:37

Tgt Ion: 164 Resp: 329885
Ion Ratio Lower Upper
164 100
162 101.4 81.3 121.9
160 44.5 38.0 57.0

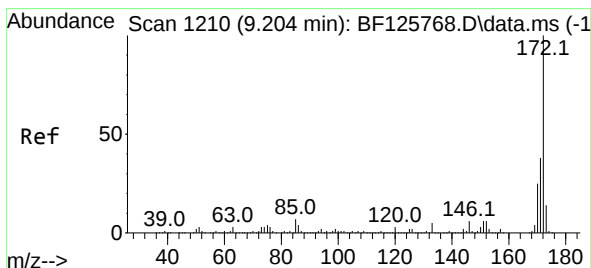
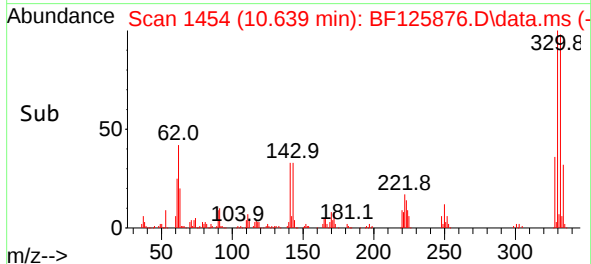
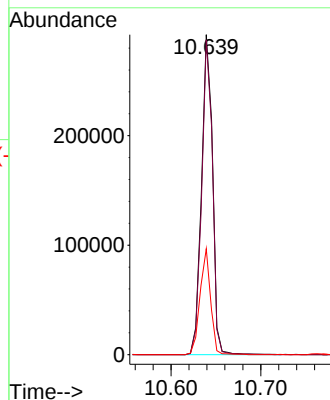
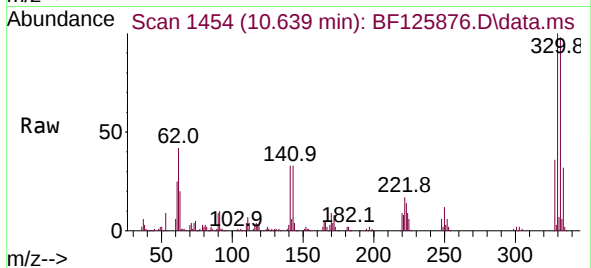




#42
2,4,6-Tribromophenol
Concen: 76.422 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF125876.D
Acq: 18 Oct 2021 14:37

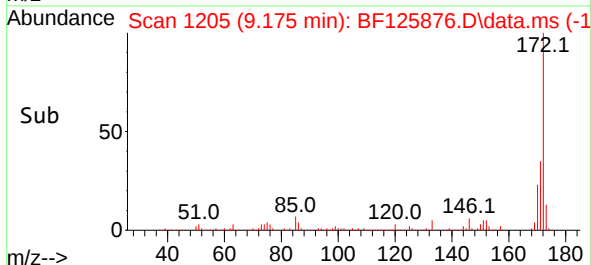
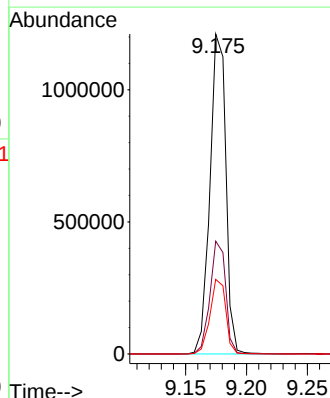
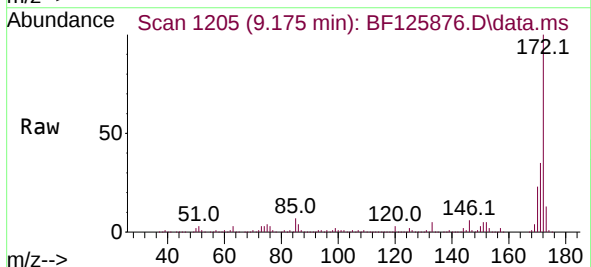
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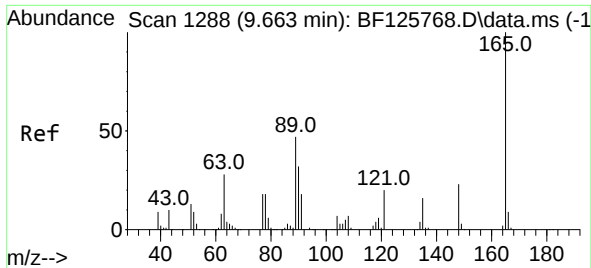
Tgt Ion: 330 Resp: 248904
Ion Ratio Lower Upper
330 100
332 96.4 76.2 114.4
141 31.8 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 57.756 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF125876.D
Acq: 18 Oct 2021 14:37

Tgt Ion: 172 Resp: 1104629
Ion Ratio Lower Upper
172 100
171 35.3 26.5 39.7
170 23.3 18.8 28.2

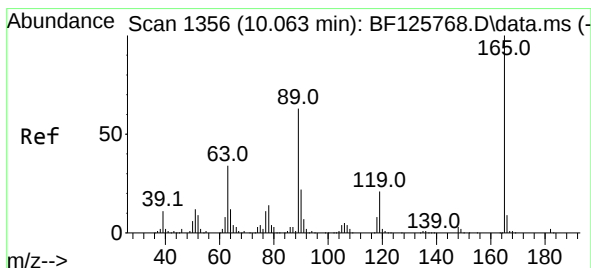
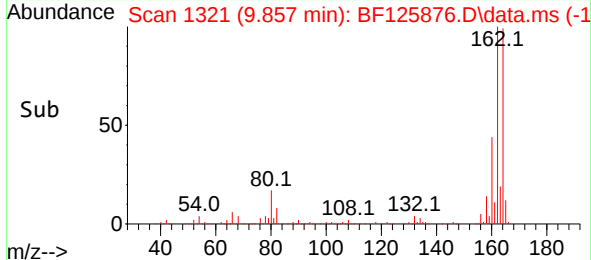
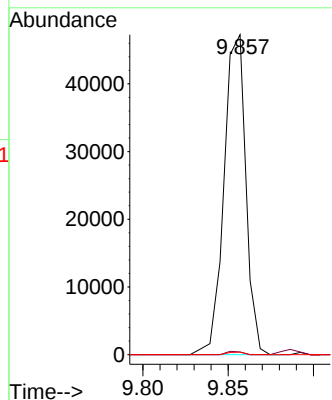
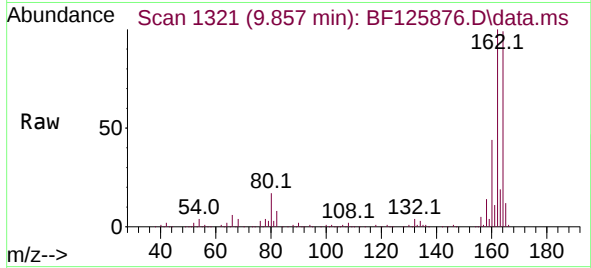




#51
2,6-Dinitrotoluene
Concen: 9.614 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.218 min
Lab File: BF125876.D
Acq: 18 Oct 2021 14:37

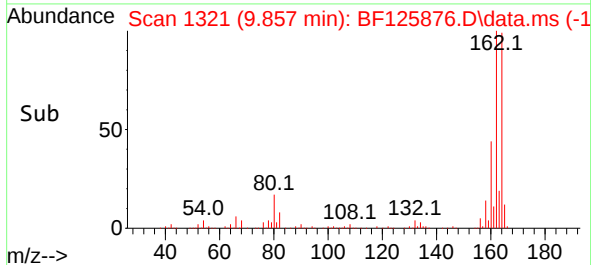
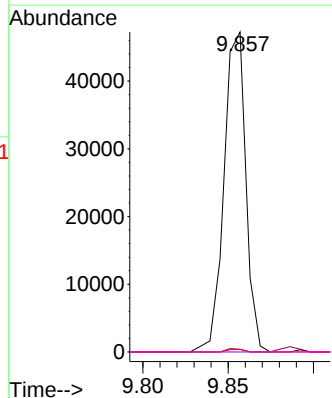
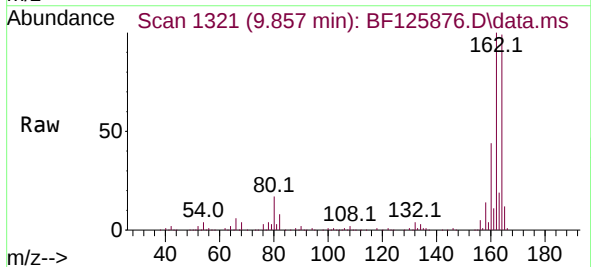
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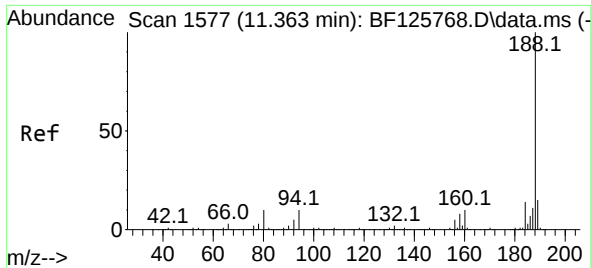
Tgt Ion:165 Resp: 42200
Ion Ratio Lower Upper
165 100
63 0.9 42.6 63.8#
89 0.8 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 7.604 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.188 min
Lab File: BF125876.D
Acq: 18 Oct 2021 14:37

Tgt Ion:165 Resp: 42200
Ion Ratio Lower Upper
165 100
63 0.9 40.9 61.3#
89 0.8 59.7 89.5#
182 0.0 0.0 0.0

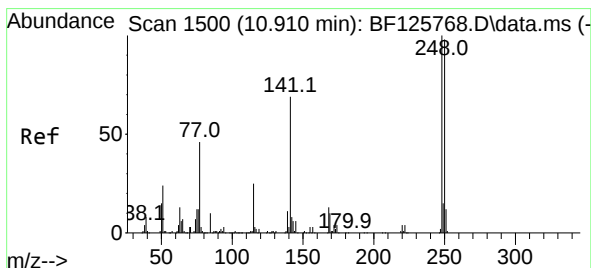
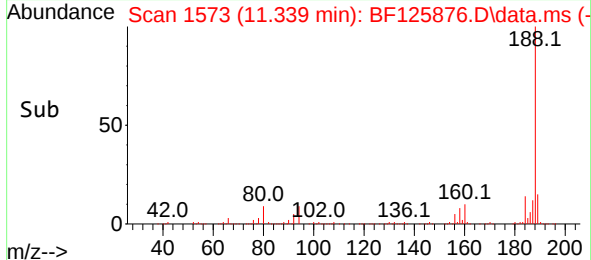
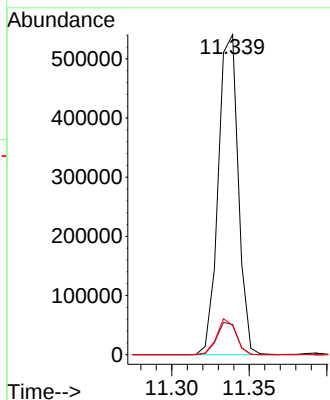
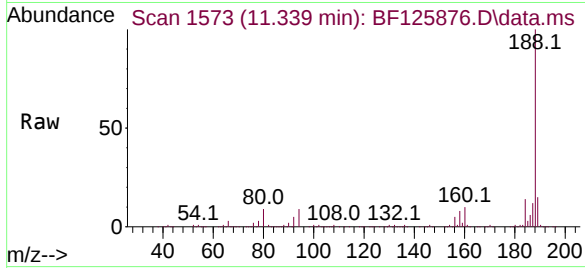




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF125876.D
Acq: 18 Oct 2021 14:37

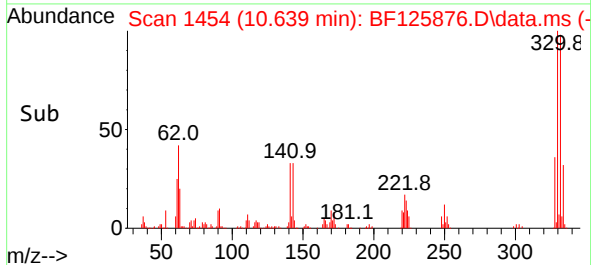
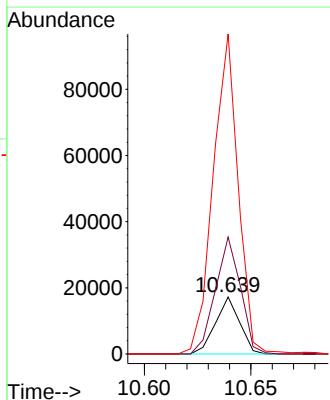
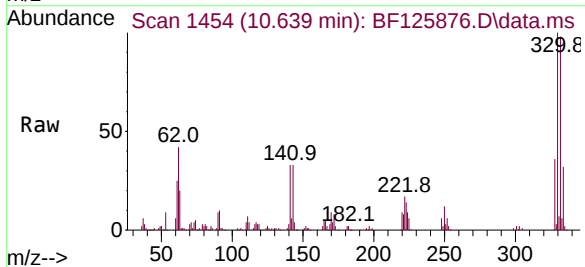
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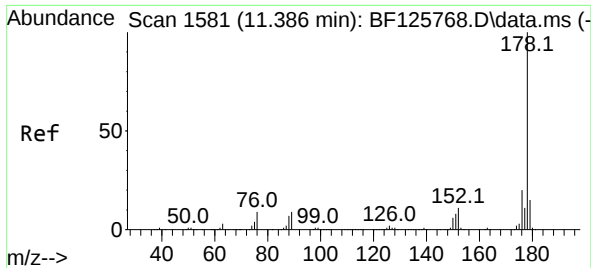
Tgt Ion:188	Resp: 486142
Ion Ratio	Lower Upper
188	100
94	9.5 6.7 10.1
80	9.2 7.5 11.3



#67
4-Bromophenyl-phenylether
Concen: 2.524 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.247 min
Lab File: BF125876.D
Acq: 18 Oct 2021 14:37

Tgt Ion:248	Resp: 13587
Ion Ratio	Lower Upper
248	100
250	205.5 74.2 111.4#
141	562.2 60.4 90.6#

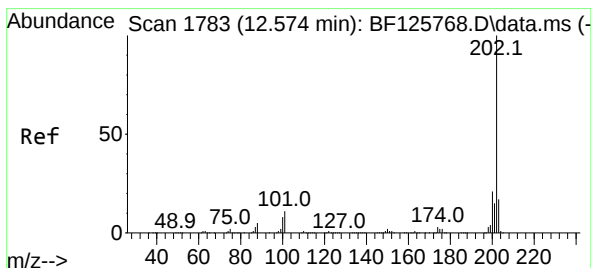
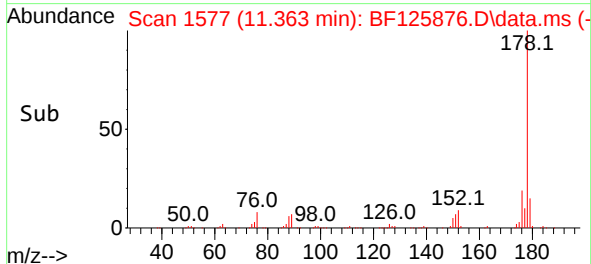
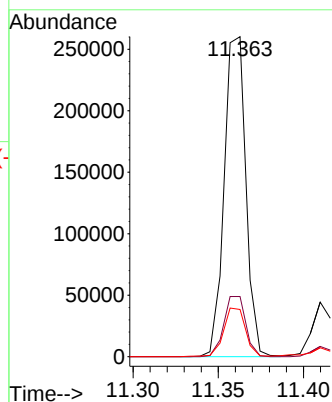
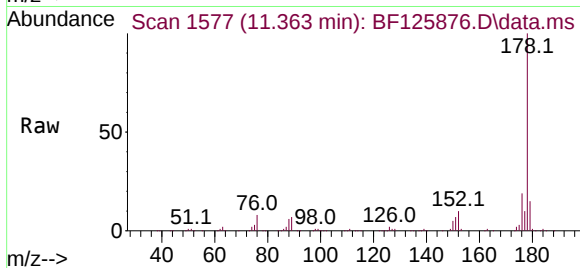




#71
Phenanthrene
Concen: 8.878 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF125876.D
Acq: 18 Oct 2021 14:37

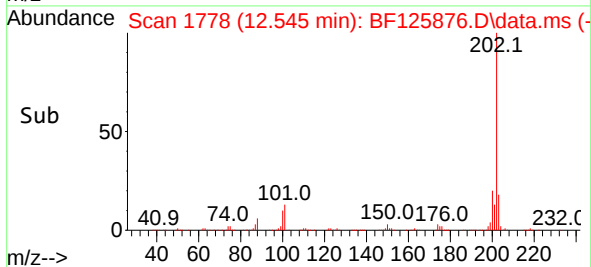
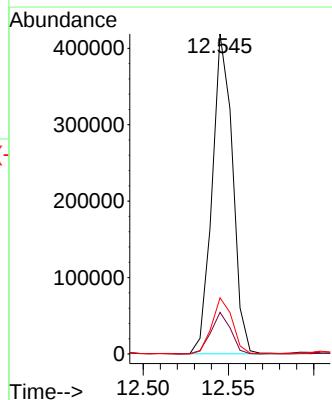
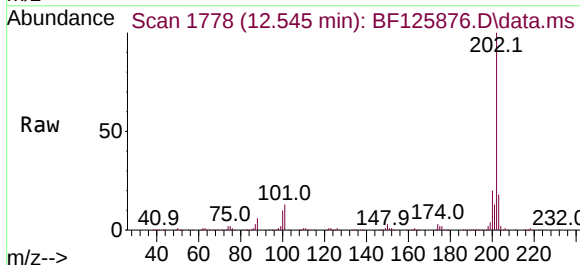
Instrument :
BNA_F
ClientSampleId :
MH-CB-(1)

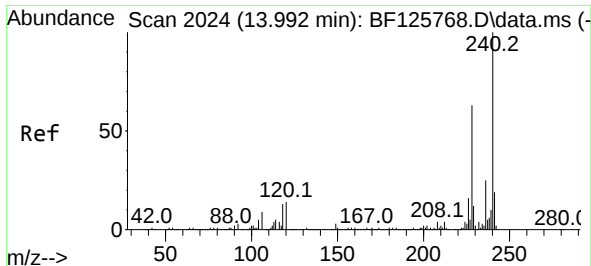
Tgt Ion:178 Resp: 230926
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 14.8 11.5 17.3



#75
Fluoranthene
Concen: 14.870 ng
RT: 12.545 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BF125876.D
Acq: 18 Oct 2021 14:37

Tgt Ion:202 Resp: 349004
Ion Ratio Lower Upper
202 100
101 13.0 0.0 30.7
203 17.5 0.0 36.3

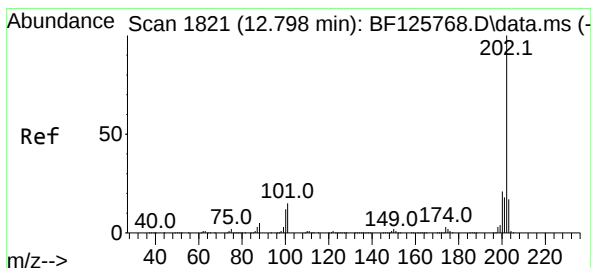
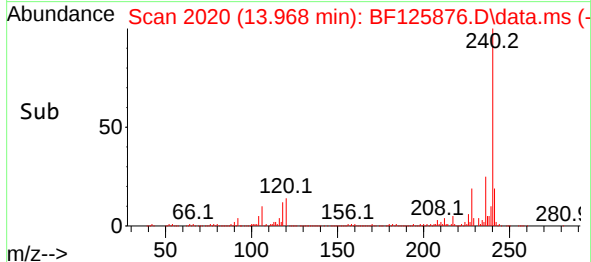
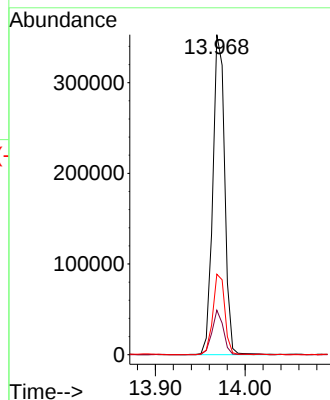
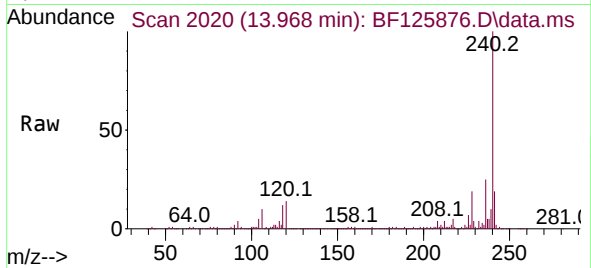




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF125876.D
Acq: 18 Oct 2021 14:37

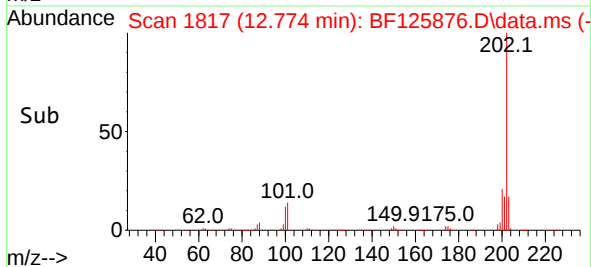
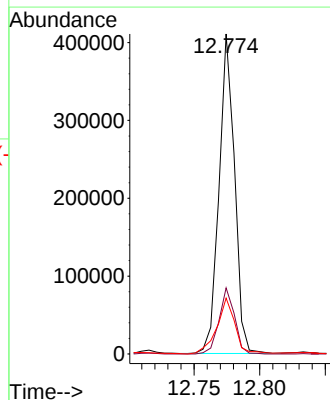
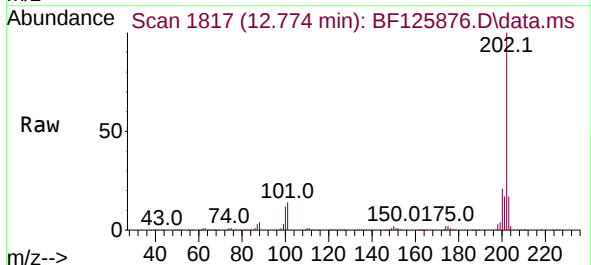
Instrument :
BNA_F
ClientSampleId :
MH-CB-(1)

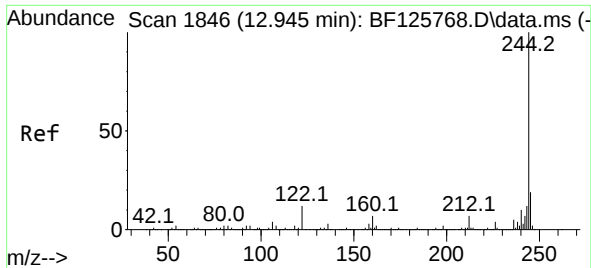
Tgt Ion:240 Resp: 324183
Ion Ratio Lower Upper
240 100
120 13.9 10.8 16.2
236 25.1 21.6 32.4



#78
Pyrene
Concen: 10.237 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF125876.D
Acq: 18 Oct 2021 14:37

Tgt Ion:202 Resp: 337151
Ion Ratio Lower Upper
202 100
200 20.6 15.3 22.9
203 17.5 13.4 20.0

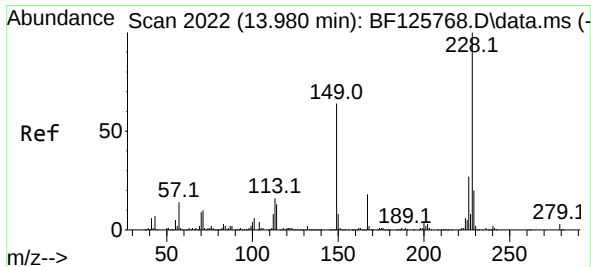
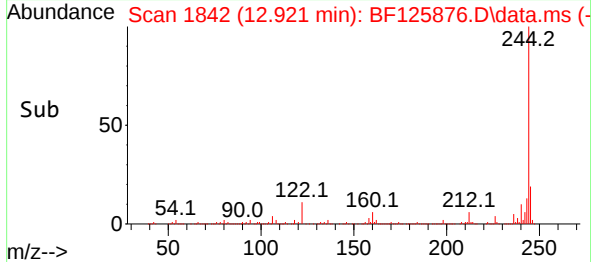
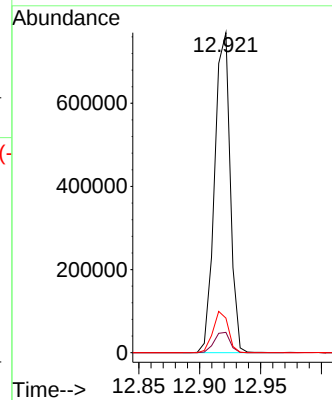
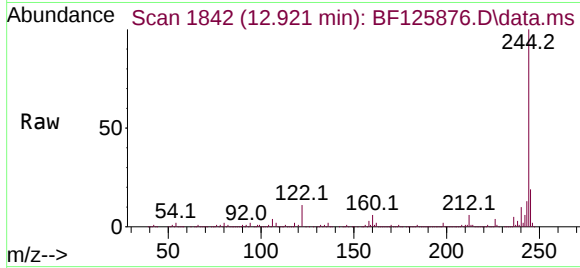




#79
Terphenyl-d14
Concen: 32.185 ng
RT: 12.921 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BF125876.D
Acq: 18 Oct 2021 14:37

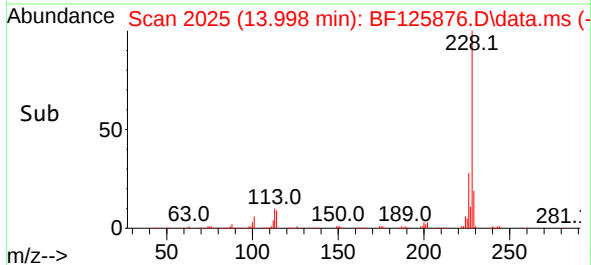
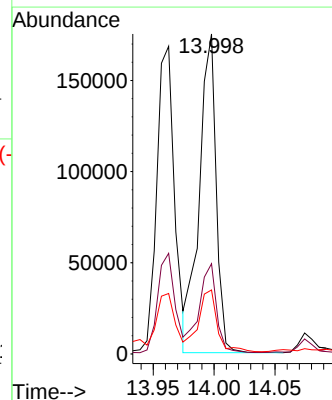
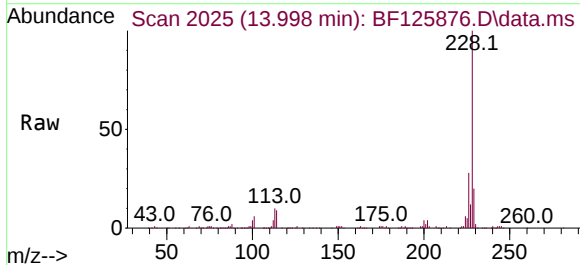
Instrument :
BNA_F
ClientSampleId :
MH-CB-(1)

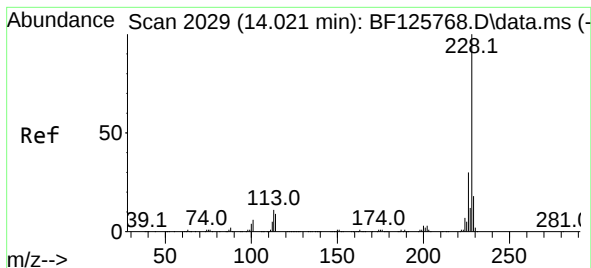
Tgt Ion:244	Resp: 684967
Ion Ratio	Lower Upper
244 100	
212 6.4	5.9 8.9
122 10.8	9.0 13.4



#81
Benzo(a)anthracene
Concen: 8.038 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.035 min
Lab File: BF125876.D
Acq: 18 Oct 2021 14:37

Tgt Ion:228	Resp: 169052
Ion Ratio	Lower Upper
228 100	
226 28.2	21.6 32.4
229 20.0	15.6 23.4





#83

Chrysene

Concen: 8.132 ng

RT: 13.998 min Scan# 2025

Delta R.T. -0.006 min

Lab File: BF125876.D

Acq: 18 Oct 2021 14:37

Tgt Ion:228 Resp: 169052

Ion Ratio Lower Upper

228 100

226 28.2 22.6 34.0

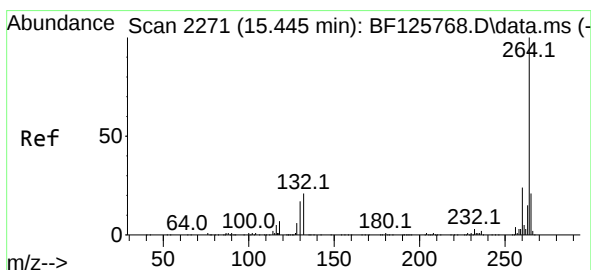
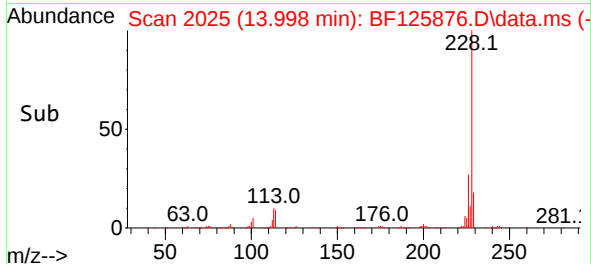
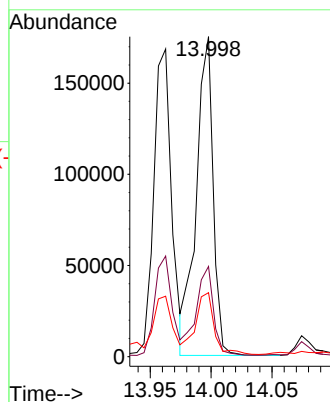
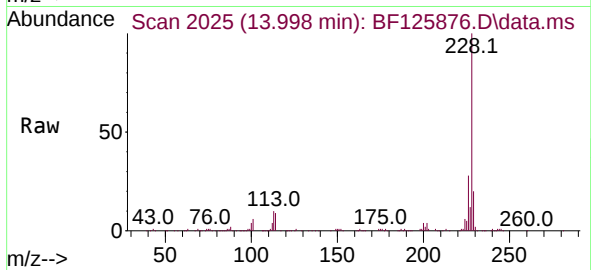
229 20.0 15.9 23.9

Instrument :

BNA_F

ClientSampleId :

MH-CB-(1)



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2267

Delta R.T. 0.000 min

Lab File: BF125876.D

Acq: 18 Oct 2021 14:37

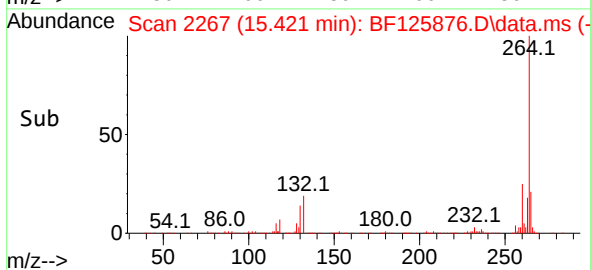
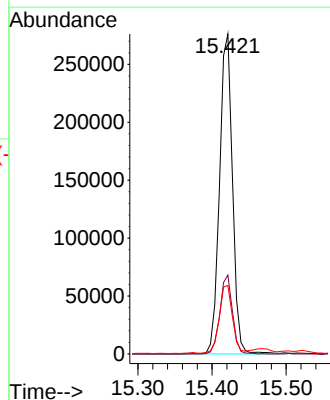
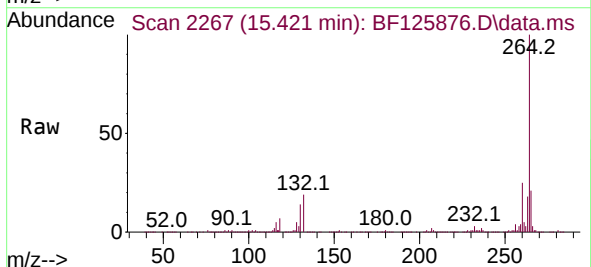
Tgt Ion:264 Resp: 335016

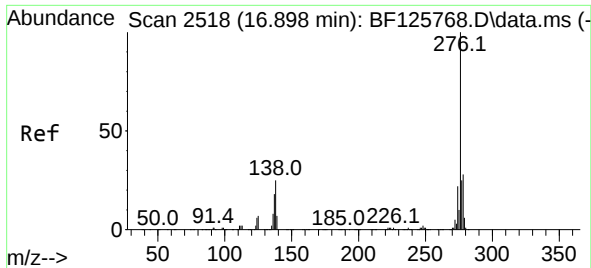
Ion Ratio Lower Upper

264 100

260 24.7 19.6 29.4

265 21.4 17.2 25.8

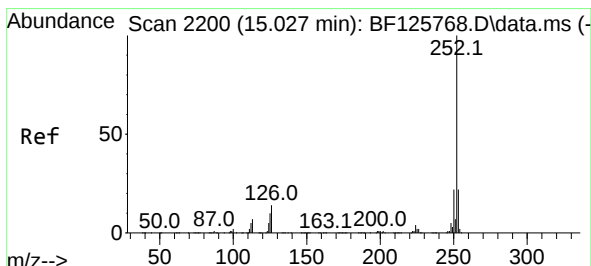
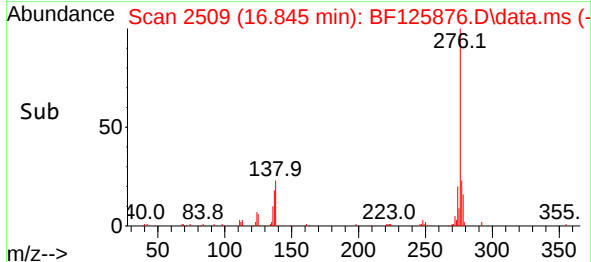
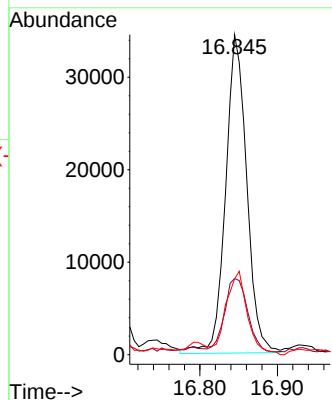
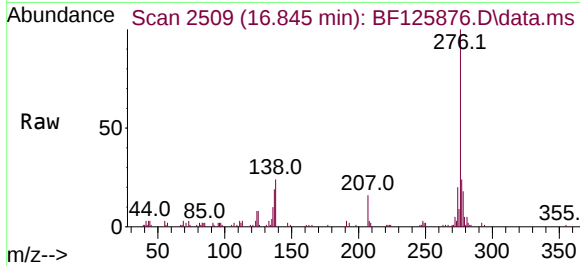




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.560 ng
RT: 16.845 min Scan# 2509
Delta R.T. -0.018 min
Lab File: BF125876.D
Acq: 18 Oct 2021 14:37

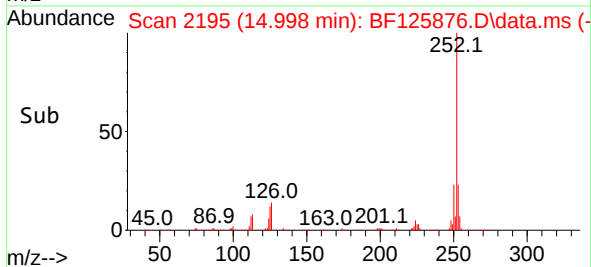
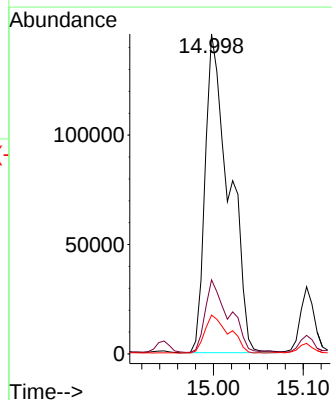
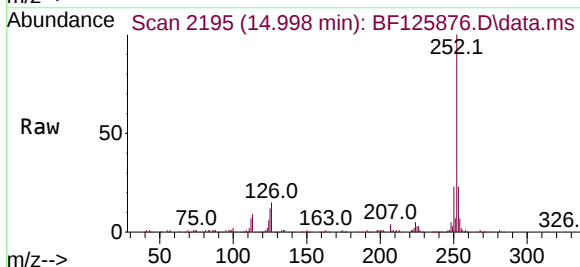
Instrument :
BNA_F
ClientSampleId :
MH-CB-(1)

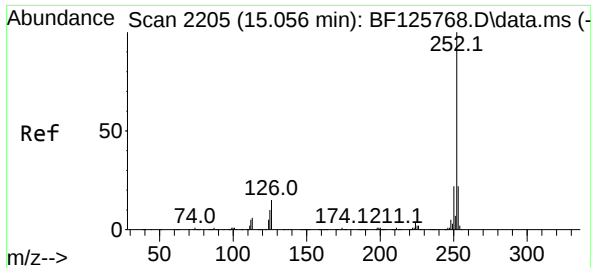
Tgt Ion:276 Resp: 65463
Ion Ratio Lower Upper
276 100
138 24.9 24.1 36.1
277 26.8 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 14.316 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF125876.D
Acq: 18 Oct 2021 14:37

Tgt Ion:252 Resp: 270772
Ion Ratio Lower Upper
252 100
253 23.2 16.8 25.2
125 12.2 9.8 14.8

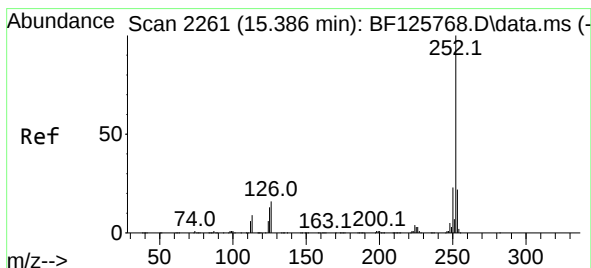
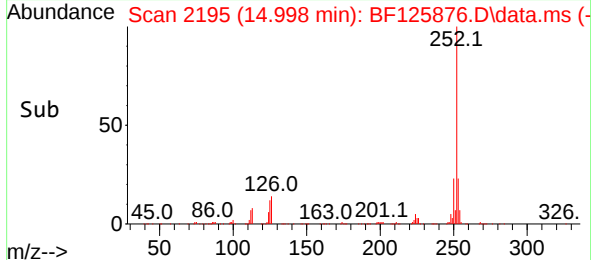
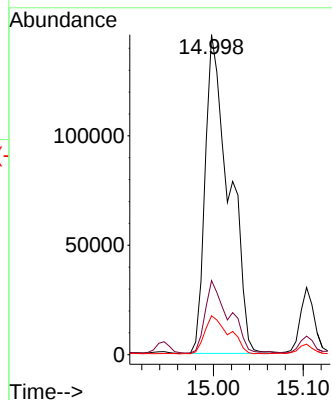
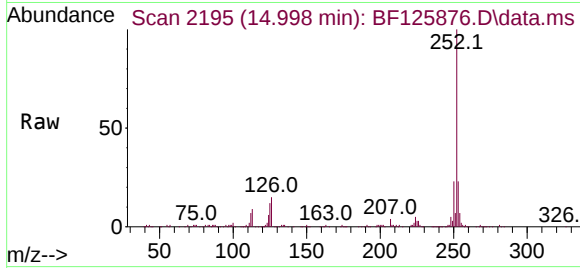




#89
Benzo(k)fluoranthene
Concen: 13.944 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.029 min
Lab File: BF125876.D
Acq: 18 Oct 2021 14:37

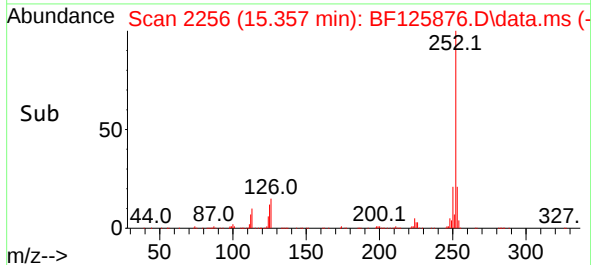
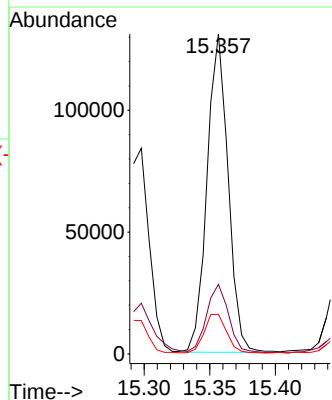
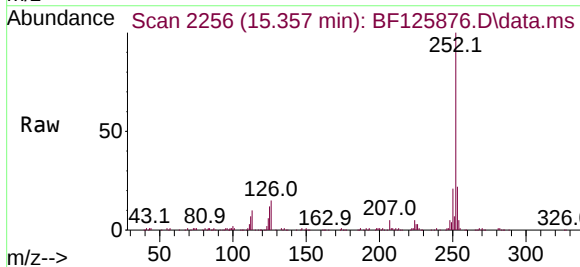
Instrument :
BNA_F
ClientSampleId :
MH-CB-(1)

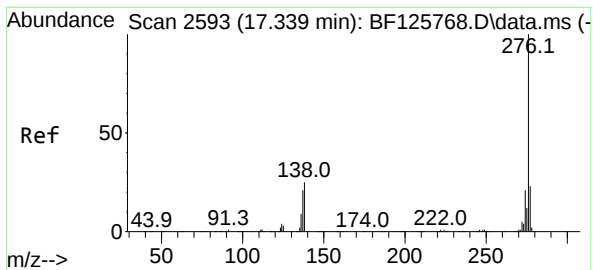
Tgt Ion:252 Resp: 270772
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 12.2 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 8.717 ng
RT: 15.357 min Scan# 2256
Delta R.T. -0.006 min
Lab File: BF125876.D
Acq: 18 Oct 2021 14:37

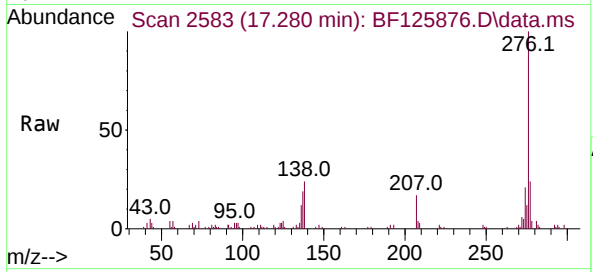
Tgt Ion:252 Resp: 146006
Ion Ratio Lower Upper
252 100
253 21.8 18.4 27.6
125 12.4 9.9 14.9





#92
 Benzo(g,h,i)perylene
 Concen: 2.928 ng
 RT: 17.280 min Scan# 2583
 Delta R.T. -0.018 min
 Lab File: BF125876.D
 Acq: 18 Oct 2021 14:37

Instrument :
 BNA_F
 ClientSampleId :
 MH-CB-(1)



Tgt Ion:	276	Resp:	63076
Ion Ratio	Lower	Upper	
276	100		
277	23.6	22.0	33.0
138	24.3	22.2	33.4

