

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050321\
 Data File : BF123796.D
 Acq On : 4 May 2021 00:24
 Operator : JU/CG
 Sample : M2236-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 11991

Quant Time: May 04 01:46:36 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 27 16:30:39 2021
 Response via : Initial Calibration

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

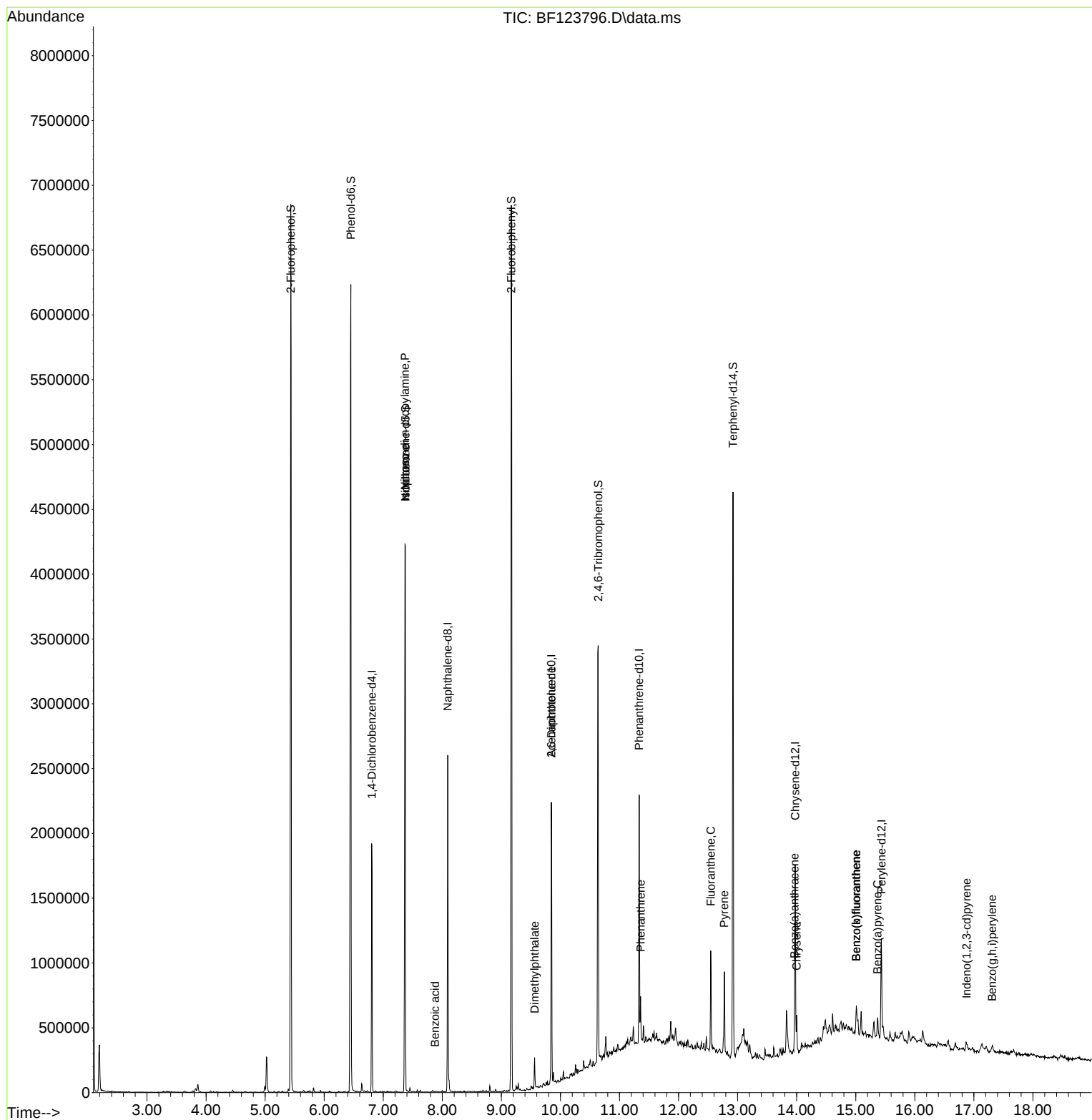
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	259947	20.00	ng	0.00
21) Naphthalene-d8	8.092	136	929590	20.00	ng	0.00
39) Acenaphthene-d10	9.845	164	405724	20.00	ng	0.00
64) Phenanthrene-d10	11.333	188	611701	20.00	ng	0.00
76) Chrysene-d12	13.974	240	443157	20.00	ng	-0.01
86) Perylene-d12	15.433	264	338825	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1573401	95.89	ng	0.01
7) Phenol-d6	6.451	99	1990412	88.06	ng	0.00
23) Nitrobenzene-d5	7.375	82	1410852	68.51	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	399990	79.19	ng	0.00
45) 2-Fluorobiphenyl	9.169	172	1935068	69.46	ng	0.00
79) Terphenyl-d14	12.922	244	1320353	57.37	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.369	70	198585	14.23	ng	# 75
25) Isophorone	7.375	82	1410838	36.54	ng	# 69
32) Benzoic acid	7.875	122	265	5.41	ng	# 25
50) Dimethylphthalate	9.563	163	73571	2.57	ng	99
51) 2,6-Dinitrotoluene	9.845	165	55317	8.37	ng	# 11
71) Phenanthrene	11.357	178	109355	3.41	ng	98
75) Fluoranthene	12.545	202	286547	8.19	ng	99
78) Pyrene	12.774	202	249777	7.26	ng	99
81) Benzo(a)anthracene	13.963	228	105580	3.93	ng	98
83) Chrysene	13.998	228	115894	4.29	ng	99
87) Indeno(1,2,3-cd)pyrene	16.874	276	40457	2.05	ng	# 90
88) Benzo(b)fluoranthene	15.010	252	153572	6.73	ng	# 95
89) Benzo(k)fluoranthene	15.010	252	153572	7.05	ng	# 95
90) Benzo(a)pyrene	15.368	252	72562	3.72	ng	# 93
92) Benzo(g,h,i)perylene	17.309	276	38345	2.30	ng	# 92

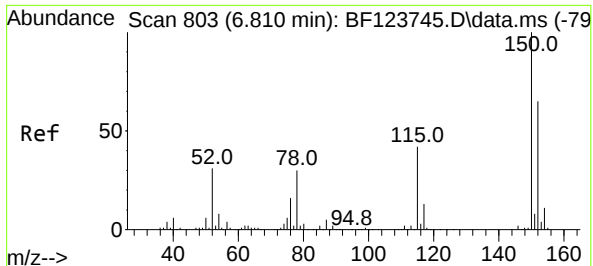
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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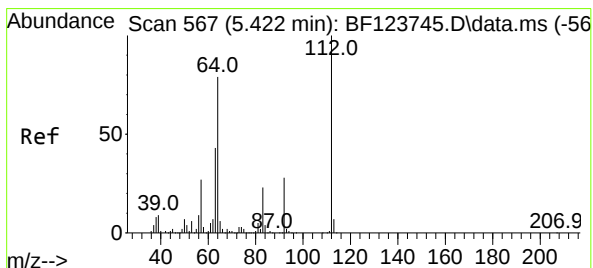
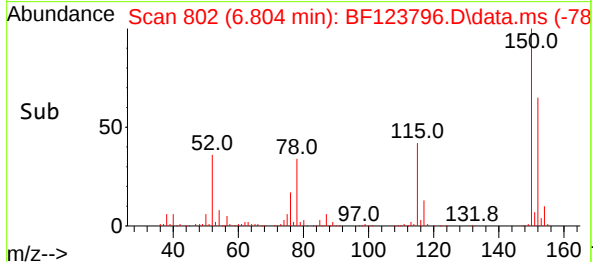
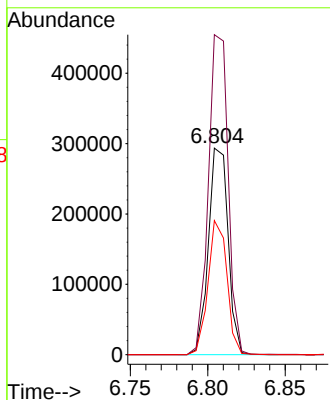
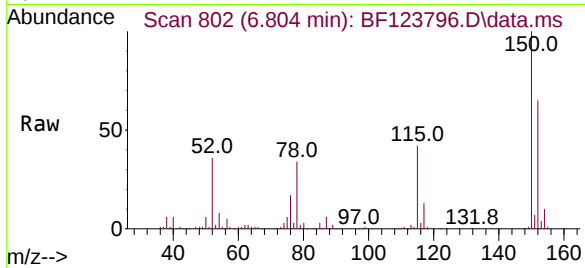




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.804 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF123796.D
Acq: 4 May 2021 00:24

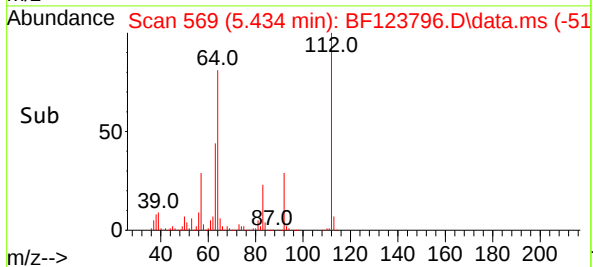
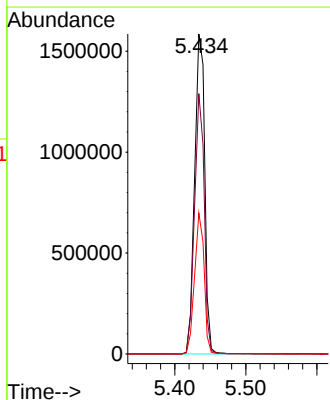
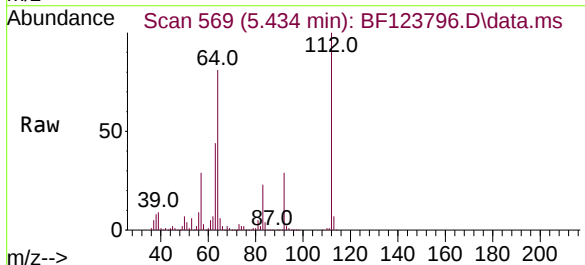
Instrument :
BNA_F
ClientSampleId :
11991

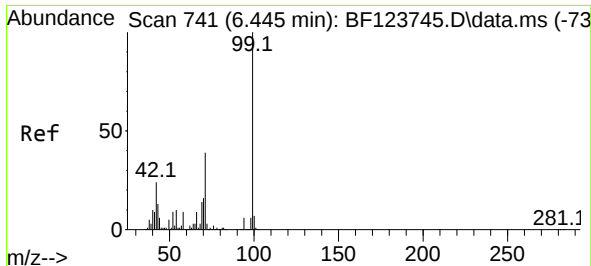
Tgt Ion:152 Resp: 259947
Ion Ratio Lower Upper
152 100
150 155.0 127.0 190.6
115 64.9 54.3 81.5



#5
2-Fluorophenol
Concen: 95.89 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.012 min
Lab File: BF123796.D
Acq: 4 May 2021 00:24

Tgt Ion:112 Resp: 1573401
Ion Ratio Lower Upper
112 100
64 81.3 61.4 92.0
63 44.1 33.0 49.4



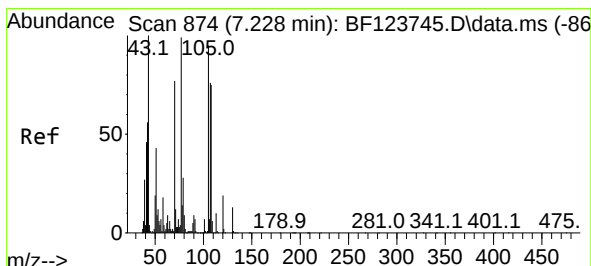
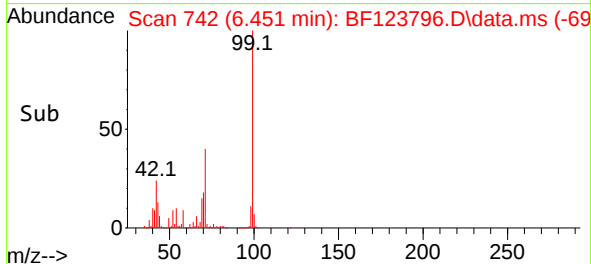
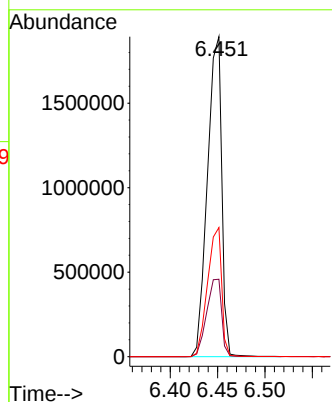
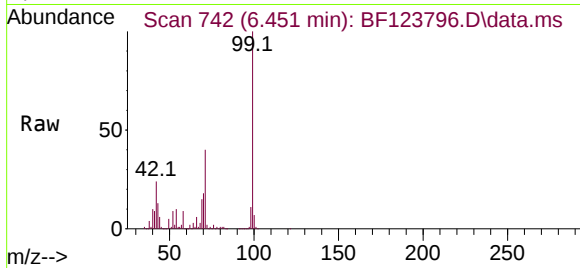


#7
Phenol-d6
Concen: 88.06 ng
RT: 6.451 min Scan# 742
Delta R.T. 0.006 min
Lab File: BF123796.D
Acq: 4 May 2021 00:24

Instrument :
BNA_F
ClientSampleId :
11991

Tgt Ion: 99 Resp: 1990412

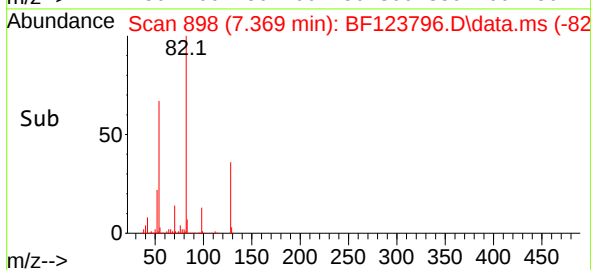
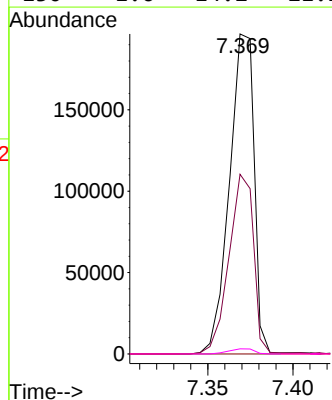
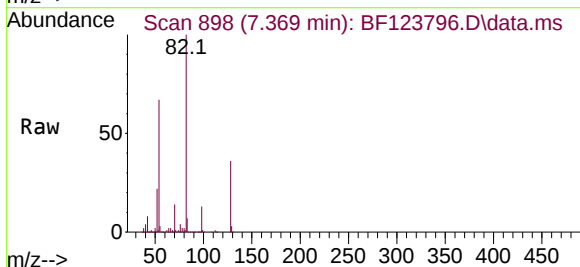
Ion	Ratio	Lower	Upper
99	100		
42	24.2	19.8	29.8
71	40.3	31.1	46.7

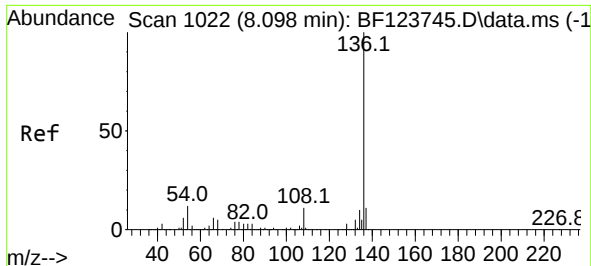


#19
n-Nitroso-di-n-propylamine
Concen: 14.23 ng
RT: 7.369 min Scan# 898
Delta R.T. 0.141 min
Lab File: BF123796.D
Acq: 4 May 2021 00:24

Tgt Ion: 70 Resp: 198585

Ion	Ratio	Lower	Upper
70	100		
42	56.2	60.1	90.1#
101	0.0	7.4	11.2#
130	1.6	14.2	21.2#



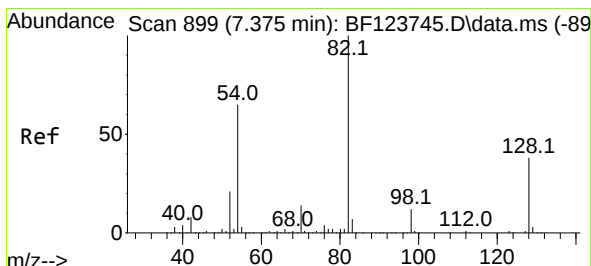
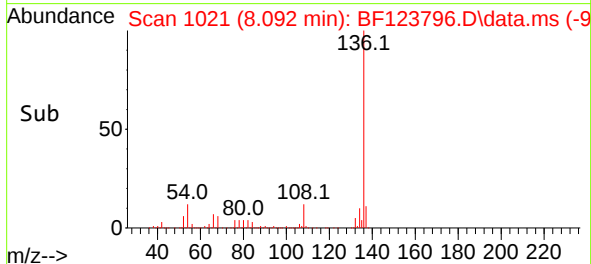
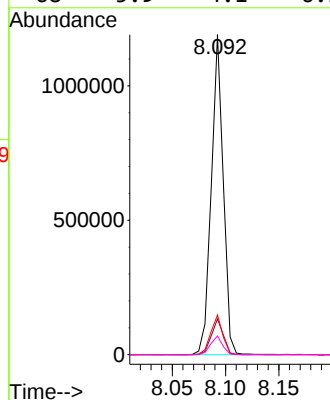
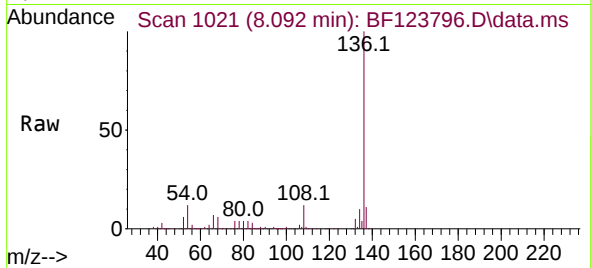


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF123796.D
Acq: 4 May 2021 00:24

Instrument :
BNA_F
ClientSampled :
11991

Tgt Ion:136 Resp: 929590

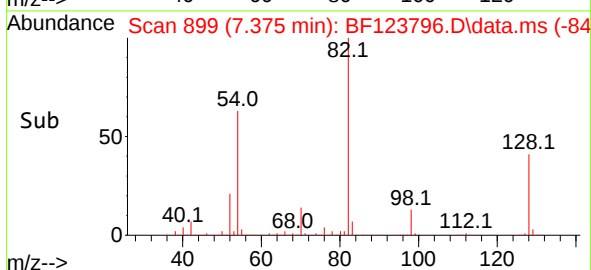
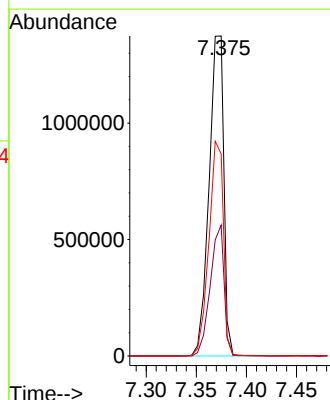
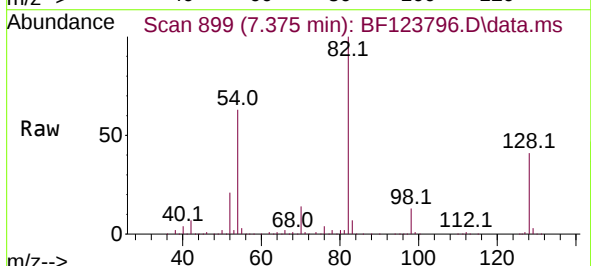
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	12.4	9.8	14.6
68	5.9	4.1	6.1

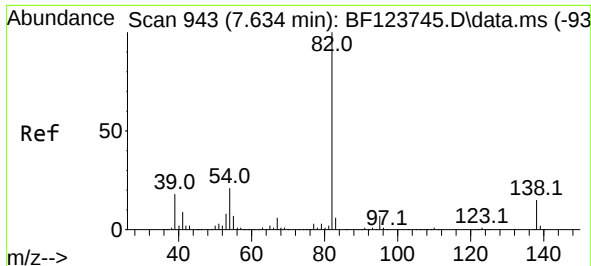


#23
Nitrobenzene-d5
Concen: 68.51 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.000 min
Lab File: BF123796.D
Acq: 4 May 2021 00:24

Tgt Ion: 82 Resp: 1410852

Ion	Ratio	Lower	Upper
82	100		
128	40.9	29.4	44.2
54	63.1	54.1	81.1

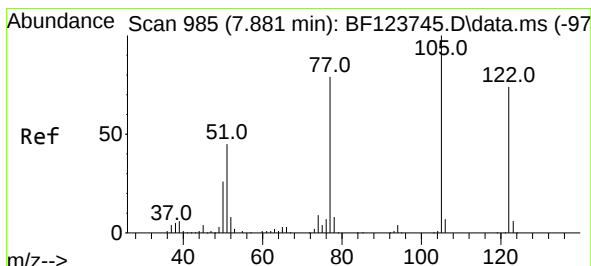
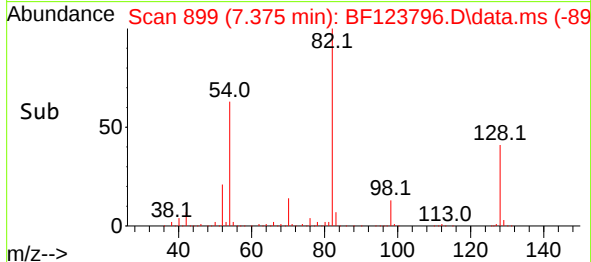
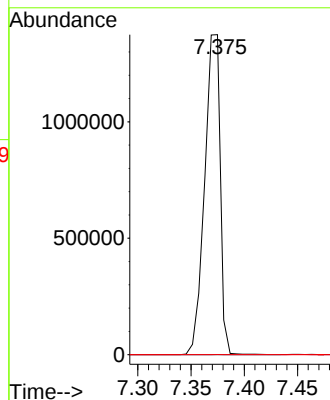
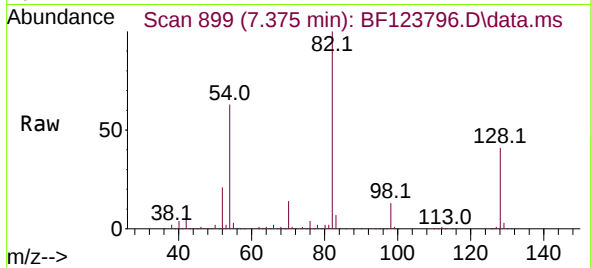




#25
Isophorone
Concen: 36.54 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.259 min
Lab File: BF123796.D
Acq: 4 May 2021 00:24

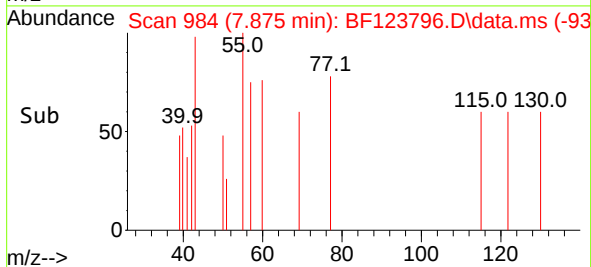
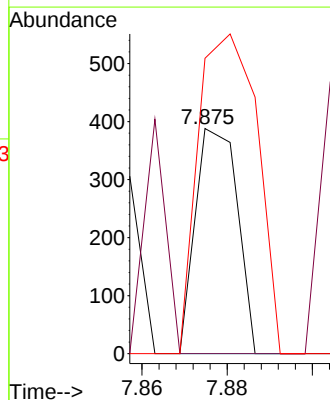
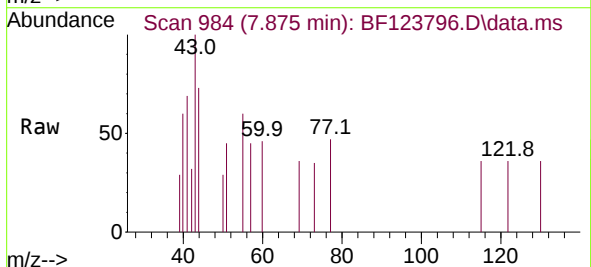
Instrument :
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ClientSampleId :
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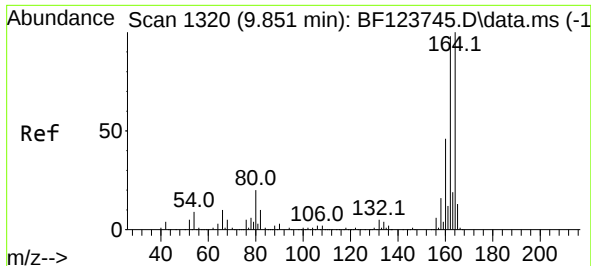
Tgt Ion: 82 Resp: 1410838
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 5.41 ng
RT: 7.875 min Scan# 984
Delta R.T. -0.006 min
Lab File: BF123796.D
Acq: 4 May 2021 00:24

Tgt Ion:122 Resp: 265
Ion Ratio Lower Upper
122 100
105 0.0 107.8 147.8#
77 131.2 81.6 121.6#

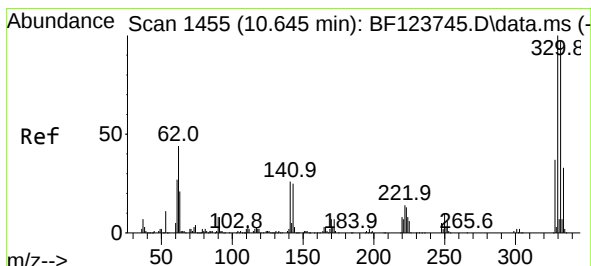
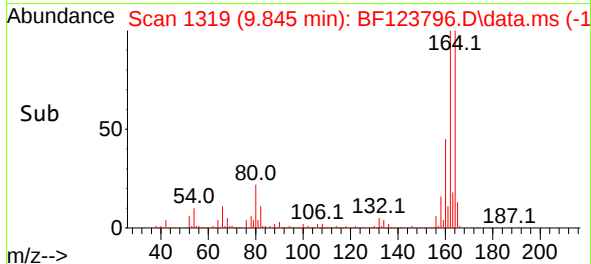
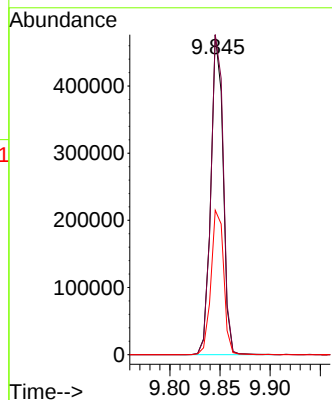
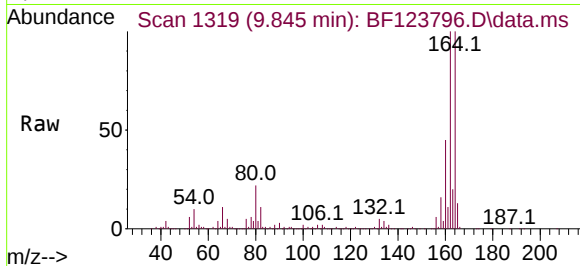




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF123796.D
Acq: 4 May 2021 00:24

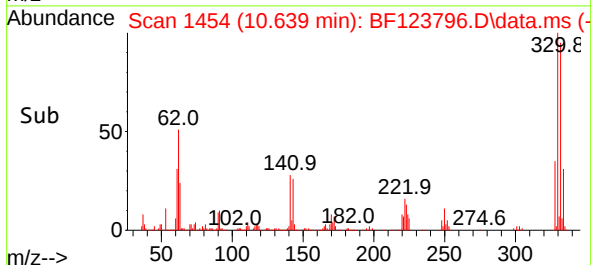
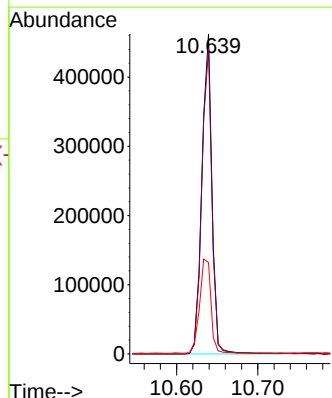
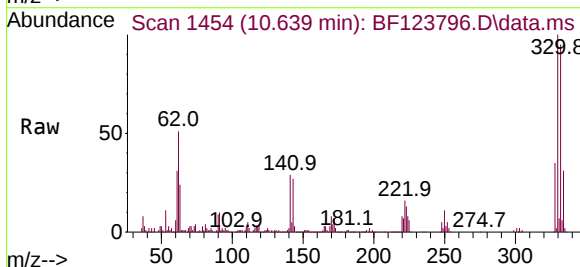
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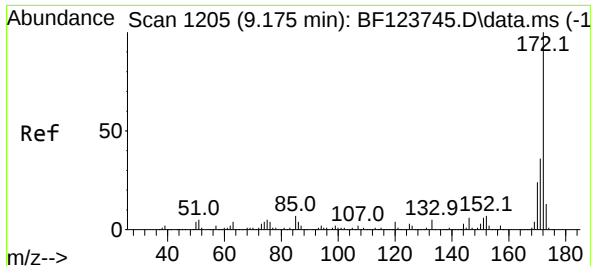
Tgt Ion:164 Resp: 405724
Ion Ratio Lower Upper
164 100
162 100.0 80.7 121.1
160 45.2 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 79.19 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF123796.D
Acq: 4 May 2021 00:24

Tgt Ion:330 Resp: 399990
Ion Ratio Lower Upper
330 100
332 95.7 77.1 115.7
141 32.8 27.9 41.9

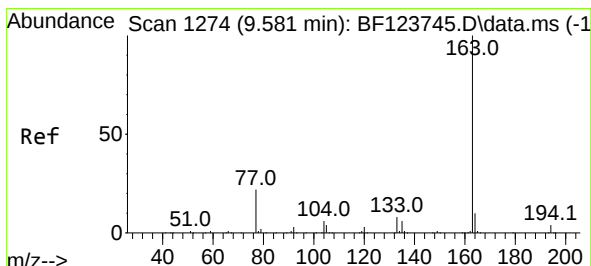
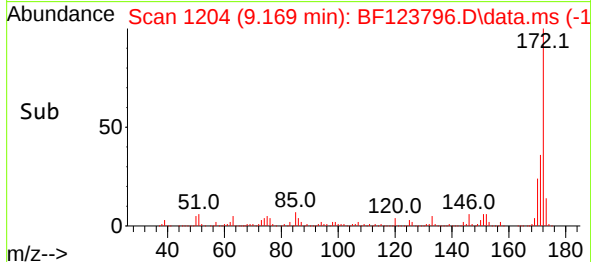
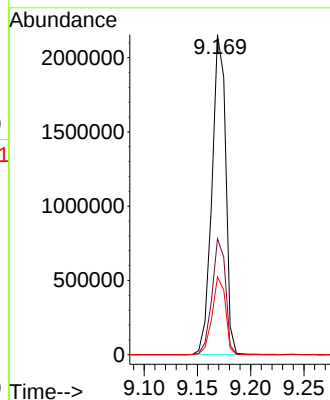
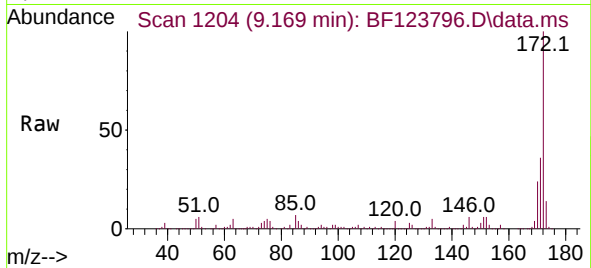




#45
2-Fluorobiphenyl
Concen: 69.46 ng
RT: 9.169 min Scan# 1204
Delta R.T. -0.006 min
Lab File: BF123796.D
Acq: 4 May 2021 00:24

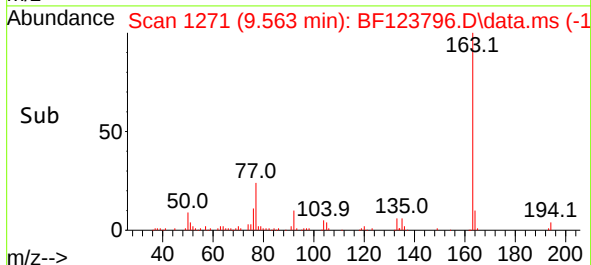
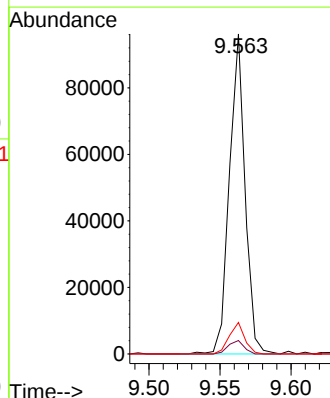
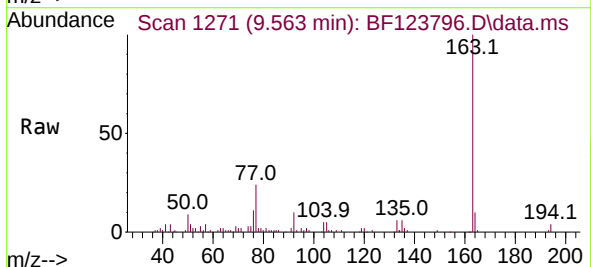
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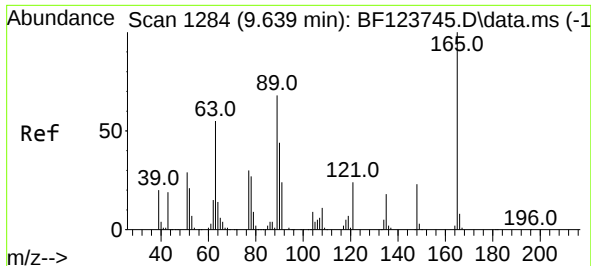
Tgt Ion:172 Resp: 1935068
Ion Ratio Lower Upper
172 100
171 36.2 28.1 42.1
170 24.3 19.2 28.8



#50
Dimethylphthalate
Concen: 2.57 ng
RT: 9.563 min Scan# 1271
Delta R.T. -0.018 min
Lab File: BF123796.D
Acq: 4 May 2021 00:24

Tgt Ion:163 Resp: 73571
Ion Ratio Lower Upper
163 100
194 4.2 3.1 4.7
164 9.9 8.2 12.2

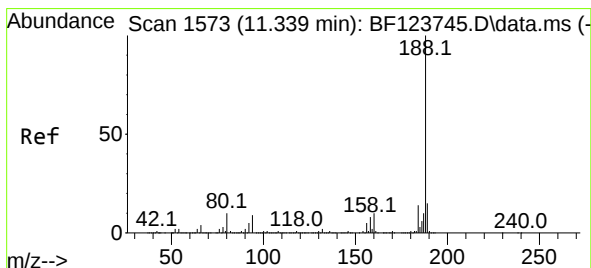
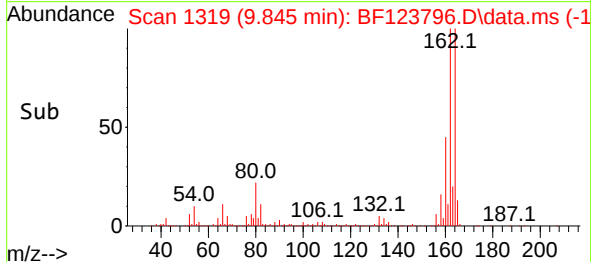
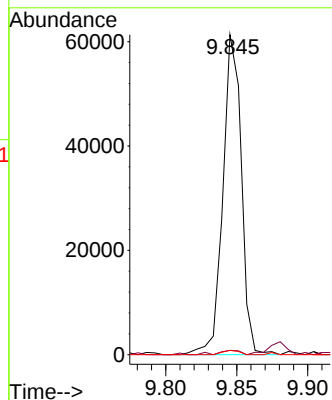
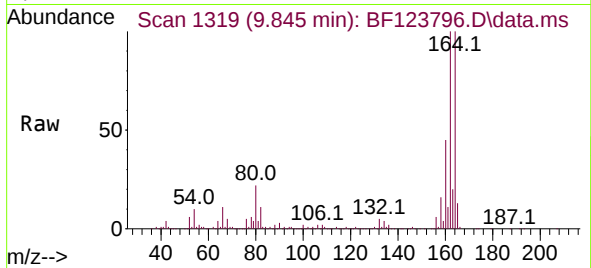




#51
2,6-Dinitrotoluene
Concen: 8.37 ng
RT: 9.845 min Scan# 1319
Delta R.T. 0.206 min
Lab File: BF123796.D
Acq: 4 May 2021 00:24

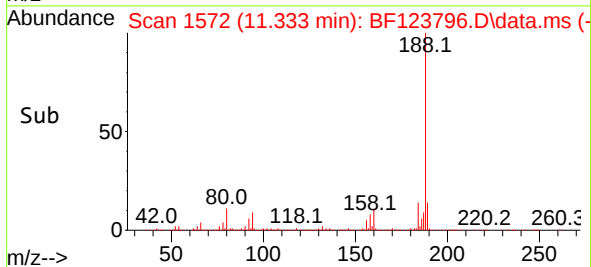
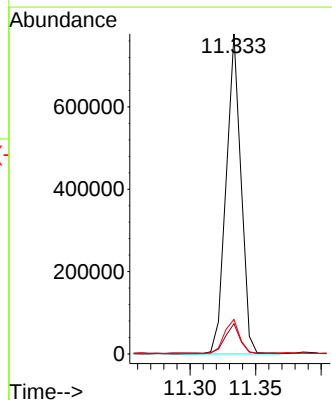
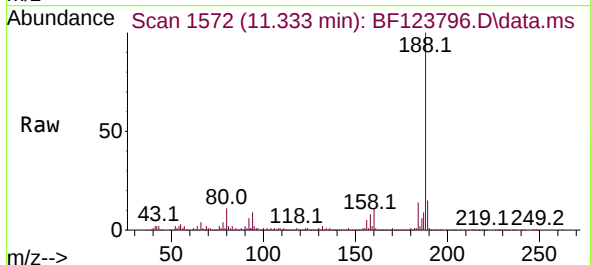
Instrument :
BNA_F
ClientSampled :
11991

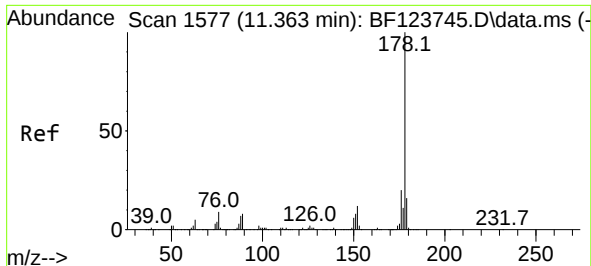
Tgt Ion:165 Resp: 55317
Ion Ratio Lower Upper
165 100
63 1.4 67.7 101.5#
89 1.3 58.8 88.2#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF123796.D
Acq: 4 May 2021 00:24

Tgt Ion:188 Resp: 611701
Ion Ratio Lower Upper
188 100
94 9.5 6.9 10.3
80 10.8 8.2 12.2

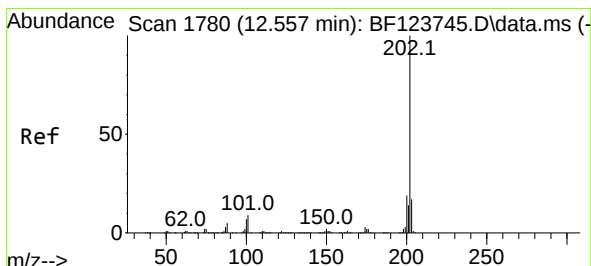
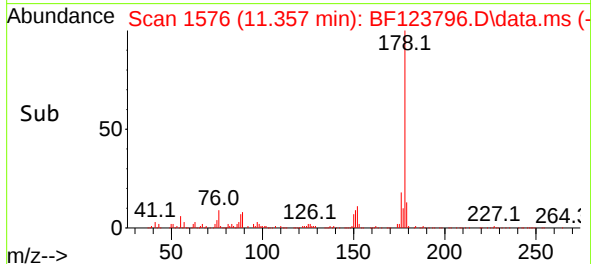
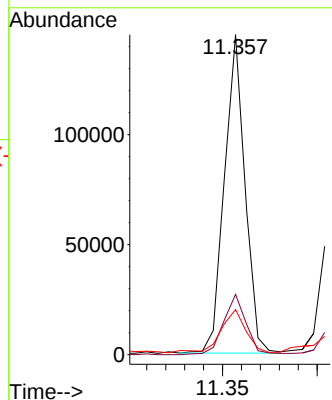
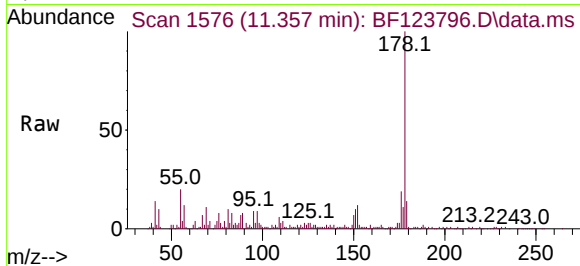




#71
Phenanthrene
Concen: 3.41 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF123796.D
Acq: 4 May 2021 00:24

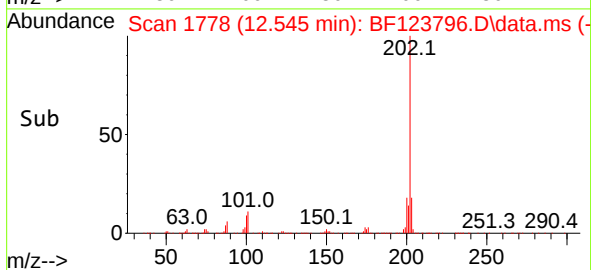
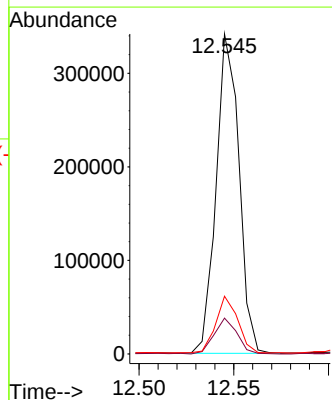
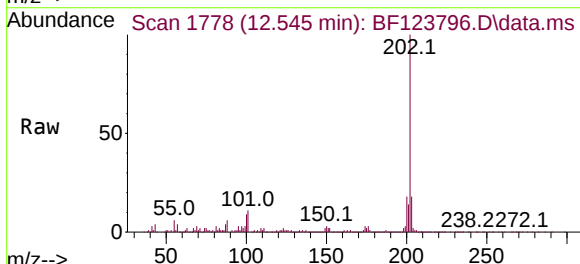
Instrument :
BNA_F
ClientSampleId :
11991

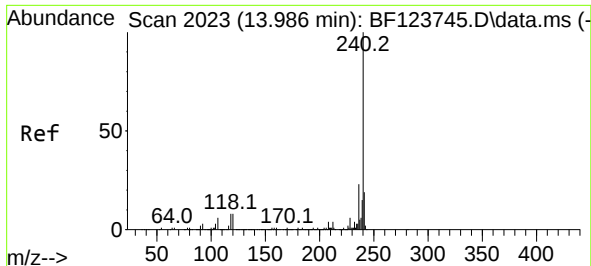
Tgt Ion:178 Resp: 109355
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 14.1 12.5 18.7



#75
Fluoranthene
Concen: 8.19 ng
RT: 12.545 min Scan# 1778
Delta R.T. -0.012 min
Lab File: BF123796.D
Acq: 4 May 2021 00:24

Tgt Ion:202 Resp: 286547
Ion Ratio Lower Upper
202 100
101 11.2 0.0 30.9
203 18.1 0.0 37.5

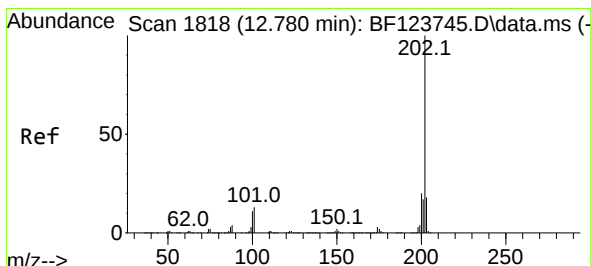
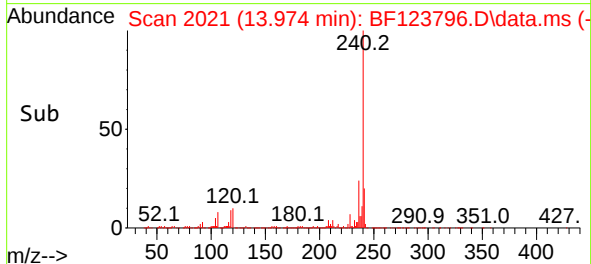
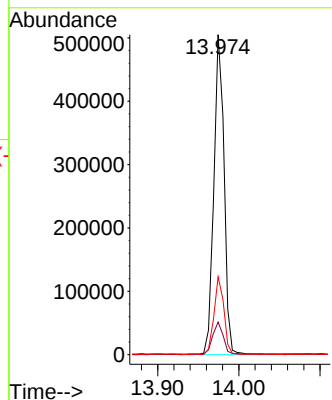
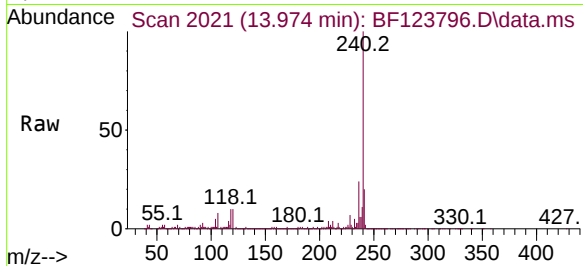




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.012 min
Lab File: BF123796.D
Acq: 4 May 2021 00:24

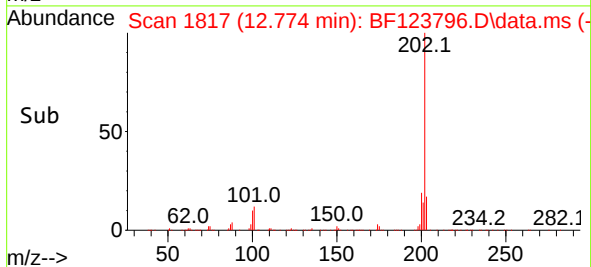
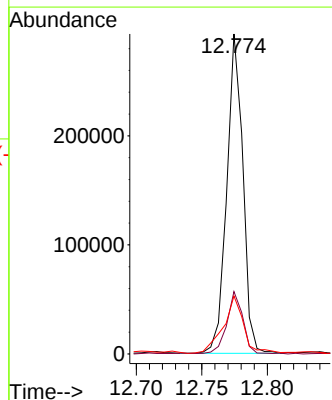
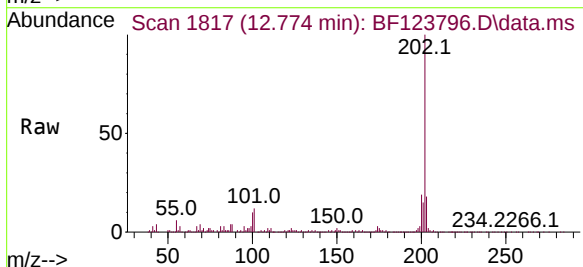
Instrument :
BNA_F
ClientSampleId :
11991

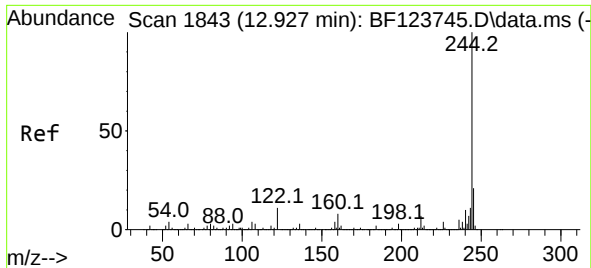
Tgt Ion:240 Resp: 443157
Ion Ratio Lower Upper
240 100
120 10.2 7.2 10.8
236 24.4 19.0 28.4



#78
Pyrene
Concen: 7.26 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF123796.D
Acq: 4 May 2021 00:24

Tgt Ion:202 Resp: 249777
Ion Ratio Lower Upper
202 100
200 19.5 16.1 24.1
203 18.1 14.8 22.2

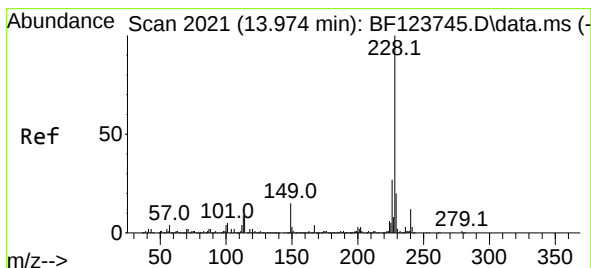
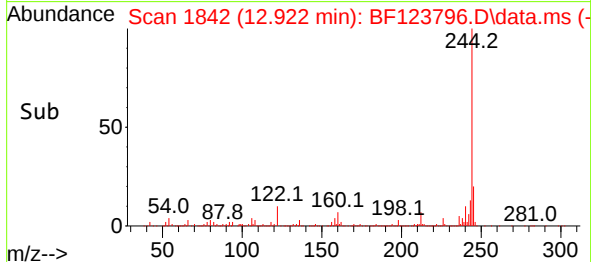
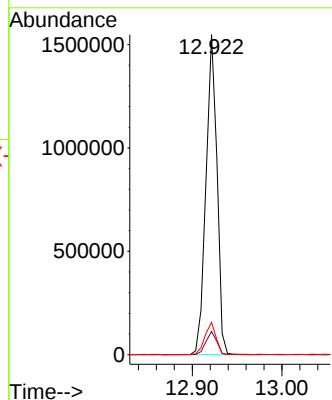
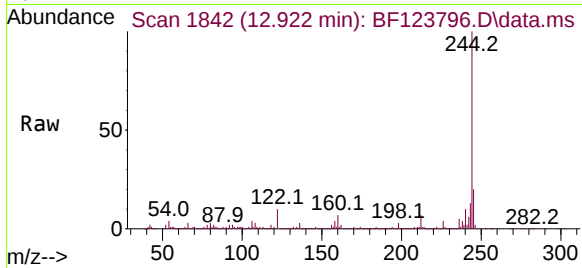




#79
Terphenyl-d14
Concen: 57.37 ng
RT: 12.922 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF123796.D
Acq: 4 May 2021 00:24

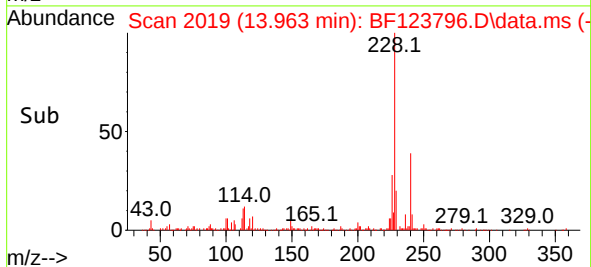
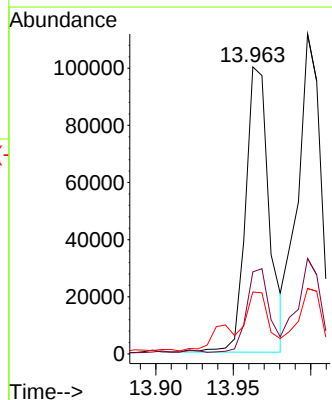
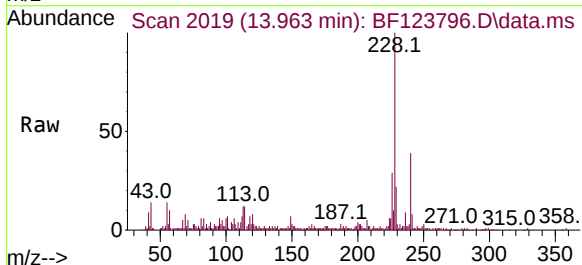
Instrument :
BNA_F
ClientSampleId :
11991

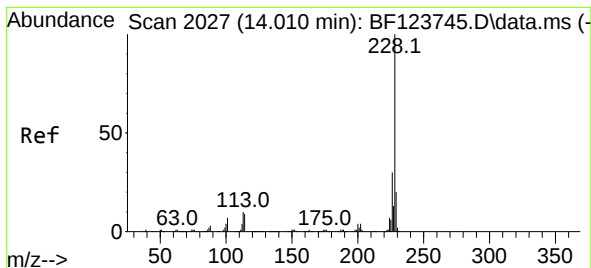
Tgt Ion:244 Resp: 1320353
Ion Ratio Lower Upper
244 100
212 7.2 5.7 8.5
122 10.1 9.7 14.5



#81
Benzo(a)anthracene
Concen: 3.93 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF123796.D
Acq: 4 May 2021 00:24

Tgt Ion:228 Resp: 105580
Ion Ratio Lower Upper
228 100
226 28.6 22.4 33.6
229 21.6 16.0 24.0





#83

Chrysene

Concen: 4.29 ng

RT: 13.998 min Scan# 2025

Delta R.T. -0.012 min

Lab File: BF123796.D

Acq: 4 May 2021 00:24

Instrument :

BNA_F

ClientSampleId :

11991

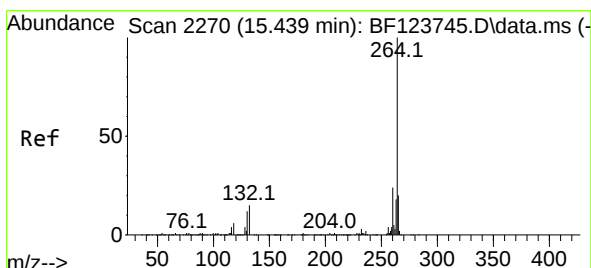
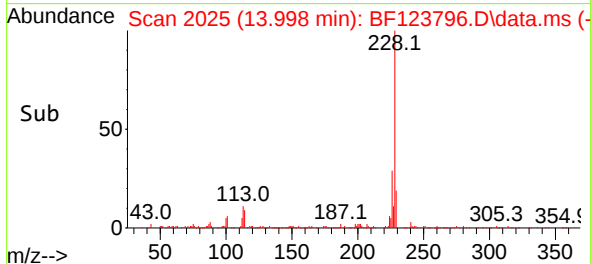
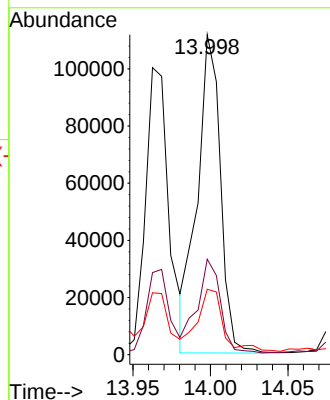
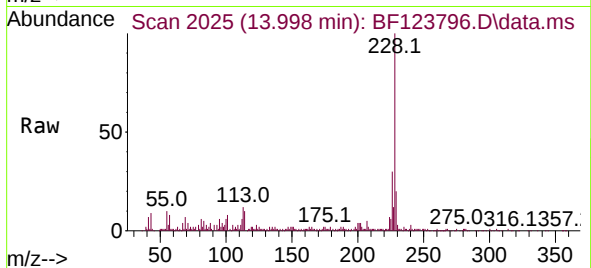
Tgt Ion:228 Resp: 115894

Ion Ratio Lower Upper

228 100

226 29.8 24.3 36.5

229 20.4 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: BF123796.D

Acq: 4 May 2021 00:24

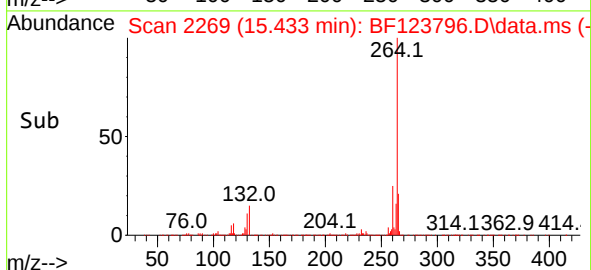
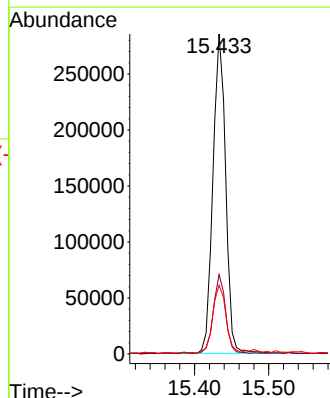
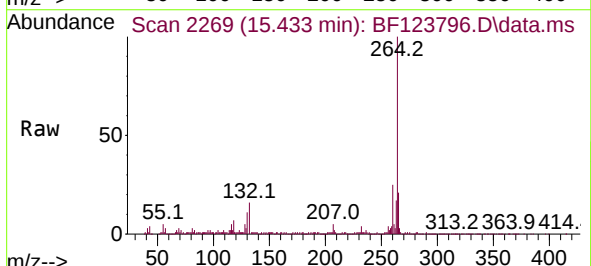
Tgt Ion:264 Resp: 338825

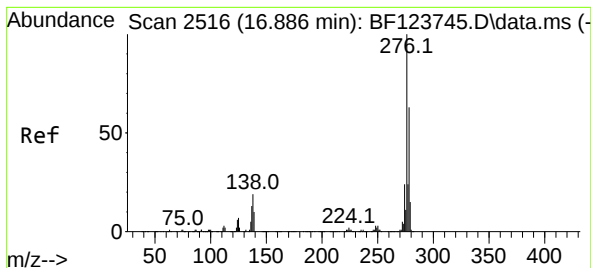
Ion Ratio Lower Upper

264 100

260 24.8 18.7 28.1

265 21.4 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.05 ng

RT: 16.874 min Scan# 2514

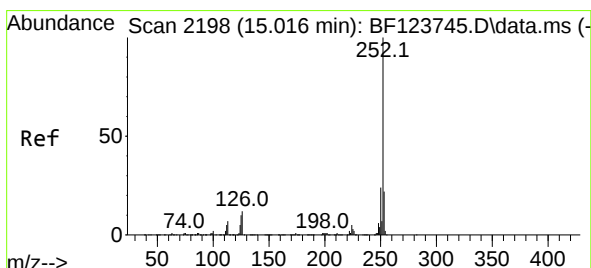
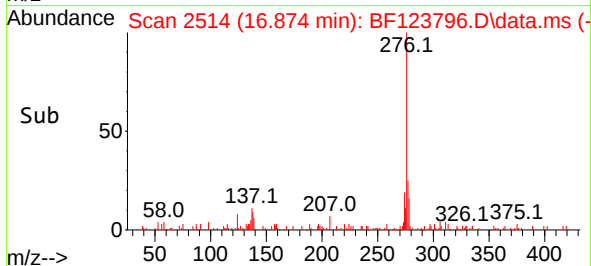
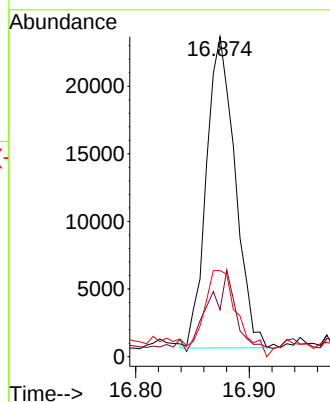
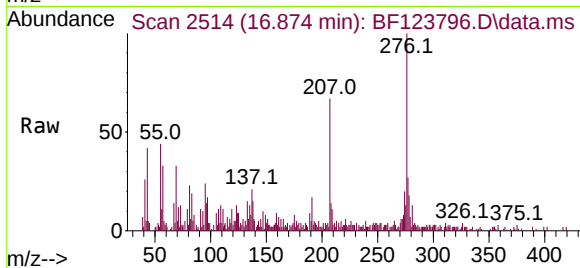
Delta R.T. -0.012 min

Lab File: BF123796.D

Acq: 4 May 2021 00:24

Tgt Ion:	276	Resp:	40457
Ion Ratio	Lower	Upper	
276	100		
138	22.7	16.2	24.2
277	32.0	20.1	30.1#

Instrument :
BNA_F
ClientSampleId :
11991



#88

Benzo(b)fluoranthene

Concen: 6.73 ng

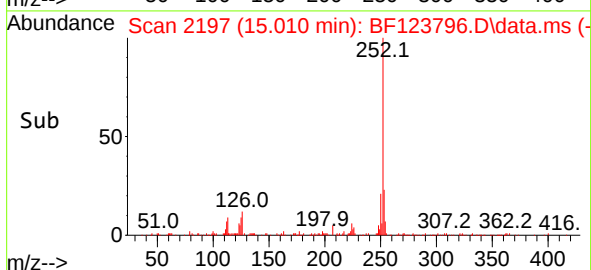
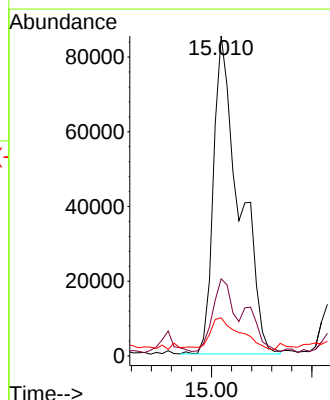
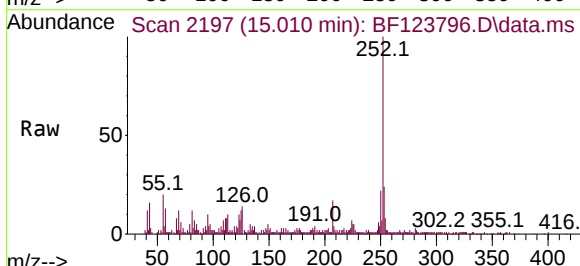
RT: 15.010 min Scan# 2197

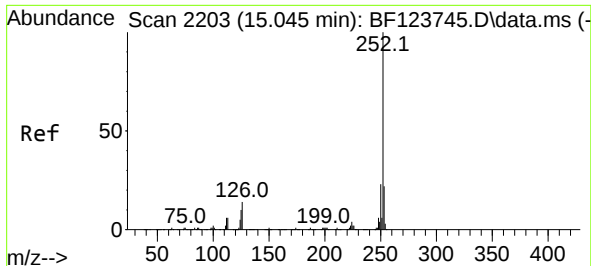
Delta R.T. -0.006 min

Lab File: BF123796.D

Acq: 4 May 2021 00:24

Tgt Ion:	252	Resp:	153572
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.1	27.1
125	11.9	6.2	9.4#





#89

Benzo(k)fluoranthene

Concen: 7.05 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.035 min

Lab File: BF123796.D

Acq: 4 May 2021 00:24

Tgt Ion:252 Resp: 153572

Ion Ratio Lower Upper

252 100

253 24.1 17.9 26.9

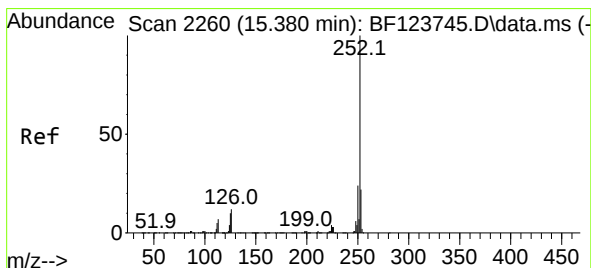
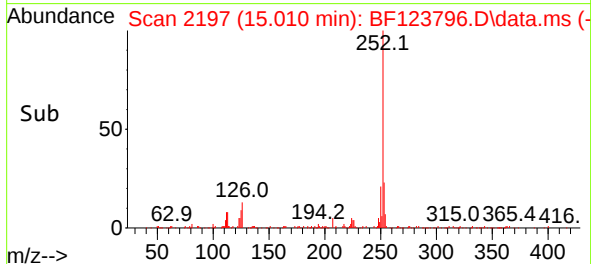
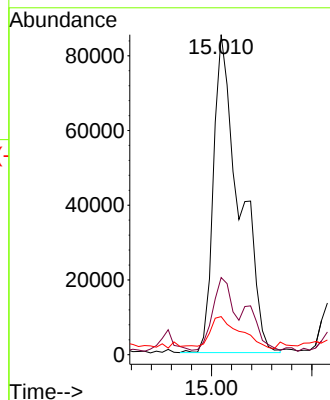
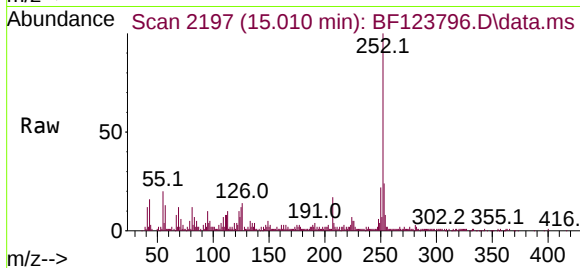
125 11.9 7.0 10.6#

Instrument :

BNA_F

ClientSampleId :

11991



#90

Benzo(a)pyrene

Concen: 3.72 ng

RT: 15.368 min Scan# 2258

Delta R.T. -0.012 min

Lab File: BF123796.D

Acq: 4 May 2021 00:24

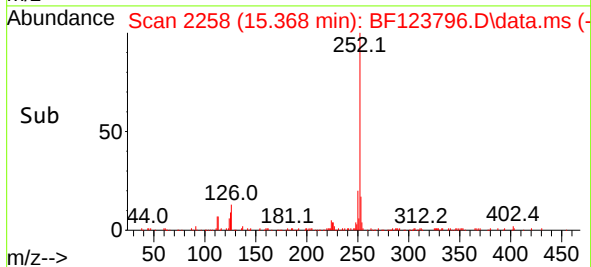
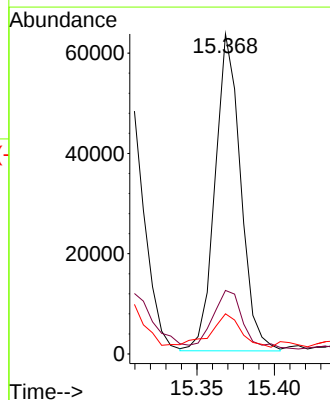
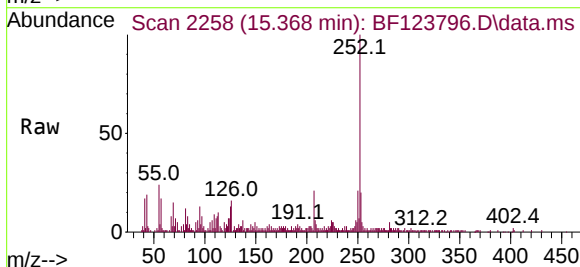
Tgt Ion:252 Resp: 72562

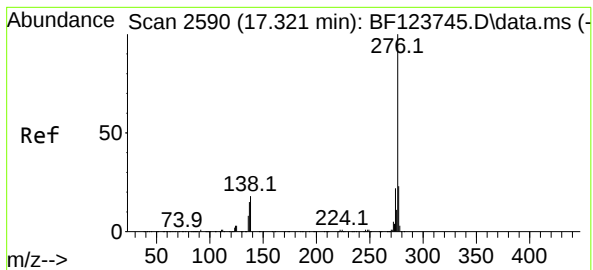
Ion Ratio Lower Upper

252 100

253 19.8 18.4 27.6

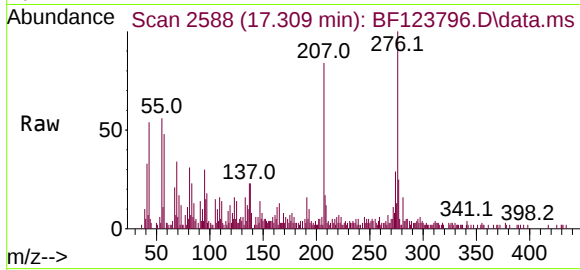
125 12.6 8.0 12.0#





#92
 Benzo(g,h,i)perylene
 Concen: 2.30 ng
 RT: 17.309 min Scan# 2588
 Delta R.T. -0.012 min
 Lab File: BF123796.D
 Acq: 4 May 2021 00:24

Instrument :
 BNA_F
 ClientSampleId :
 11991



Tgt Ion:	276	Resp:	38345
Ion Ratio	Lower	Upper	
276	100		
277	24.8	18.2	27.2
138	22.5	13.8	20.6#

