

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050321\
 Data File : BF123791.D
 Acq On : 3 May 2021 21:47
 Operator : JU/CG
 Sample : M2227-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-1-COMP

Quant Time: May 04 00:57:39 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)

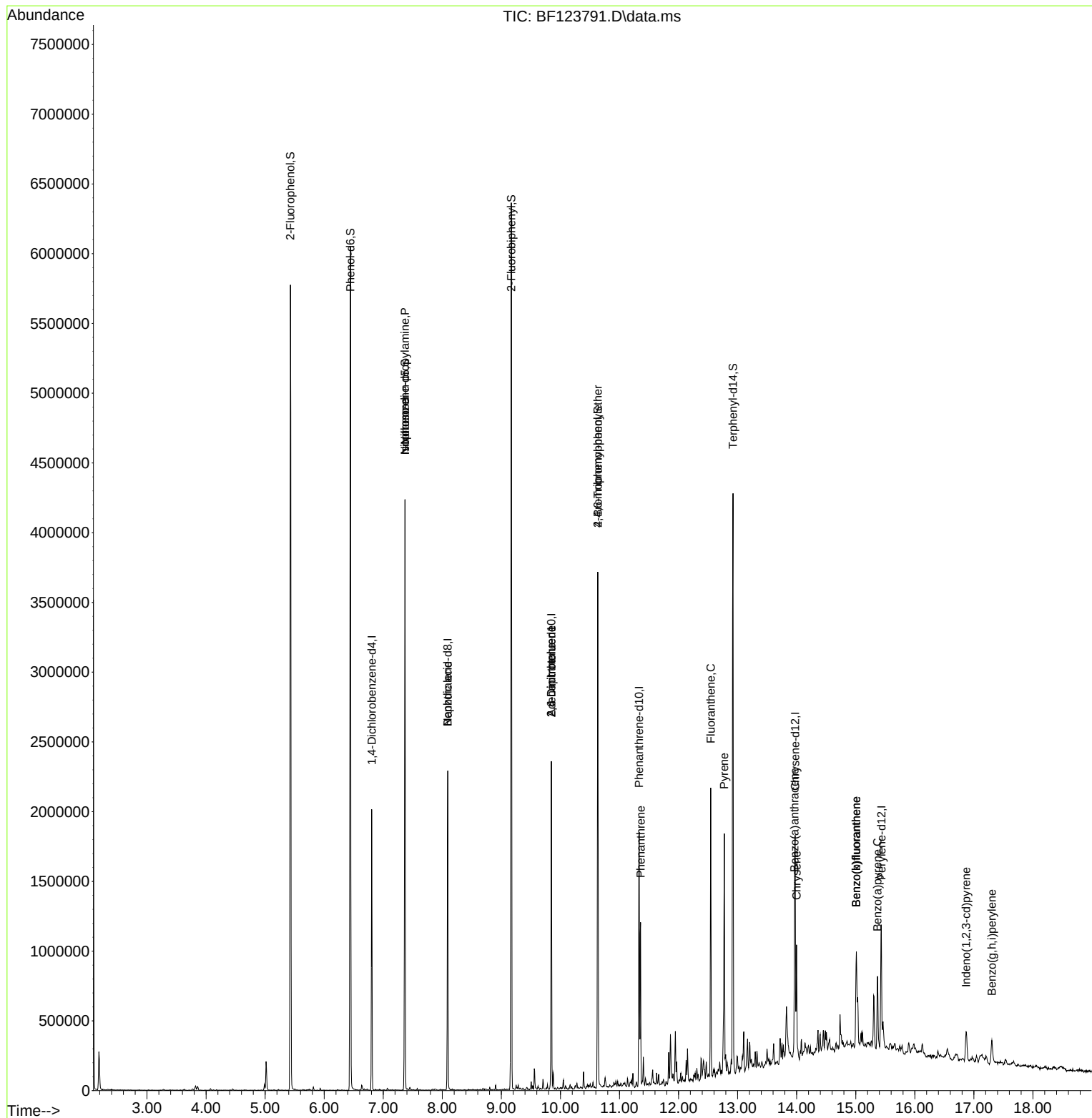
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	242114	20.00	ng	0.00
21) Naphthalene-d8	8.092	136	860620	20.00	ng	0.00
39) Acenaphthene-d10	9.845	164	399578	20.00	ng	0.00
64) Phenanthrene-d10	11.333	188	655592	20.00	ng	0.00
76) Chrysene-d12	13.974	240	449897	20.00	ng	-0.01
86) Perylene-d12	15.433	264	414132	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1309471	85.68	ng	0.00
7) Phenol-d6	6.445	99	1704570	80.97	ng	0.00
23) Nitrobenzene-d5	7.369	82	1182433	62.02	ng	0.00
42) 2,4,6-Tribromophenol	10.633	330	381012	76.60	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	1692591	61.69	ng	0.00
79) Terphenyl-d14	12.921	244	1263092	54.06	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.369	70	162100	12.47	ng	# 74
25) Isophorone	7.369	82	1179242	32.99	ng	# 69
32) Benzoic acid	8.092	122	205	5.41	ng	# 1
51) 2,6-Dinitrotoluene	9.845	165	52514	8.07	ng	# 12
57) 2,4-Dinitrotoluene	9.845	165	52514	5.92	ng	# 17
67) 4-Bromophenyl-phenylether	10.633	248	20766	3.01	ng	# 1
71) Phenanthrene	11.357	178	414203	12.04	ng	99
75) Fluoranthene	12.545	202	736194	19.63	ng	99
78) Pyrene	12.774	202	662458	18.97	ng	98
81) Benzo(a)anthracene	13.963	228	296697	10.88	ng	99
83) Chrysene	13.998	228	308092	11.23	ng	98
87) Indeno(1,2,3-cd)pyrene	16.868	276	143107	5.93	ng	99
88) Benzo(b)fluoranthene	15.010	252	513485	18.40	ng	# 96
89) Benzo(k)fluoranthene	15.010	252	513485	19.28	ng	97
90) Benzo(a)pyrene	15.368	252	252677	10.59	ng	99
92) Benzo(g,h,i)perylene	17.304	276	136686	6.70	ng	98

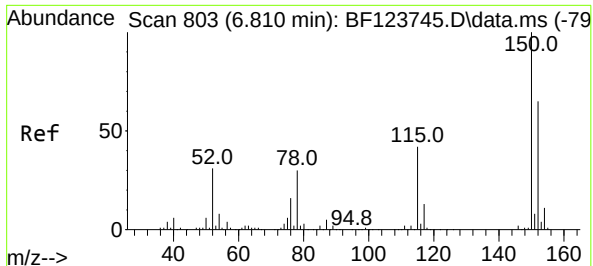
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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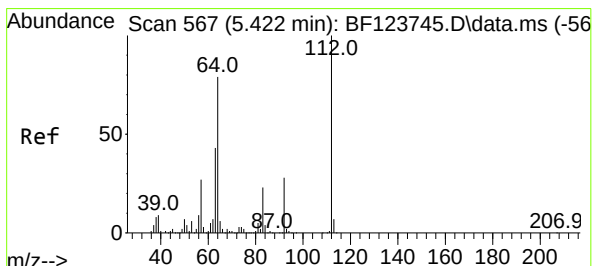
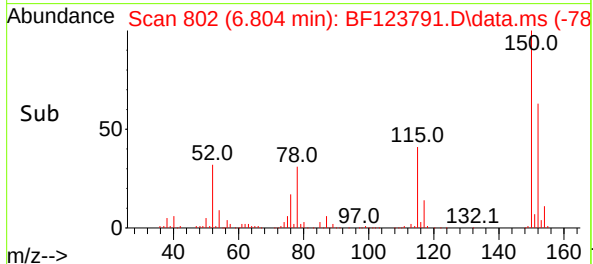
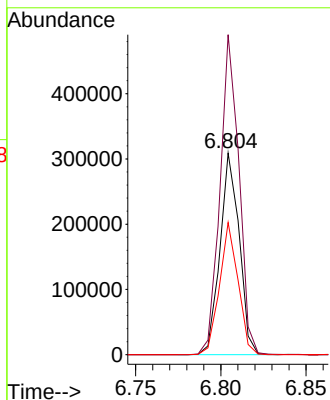
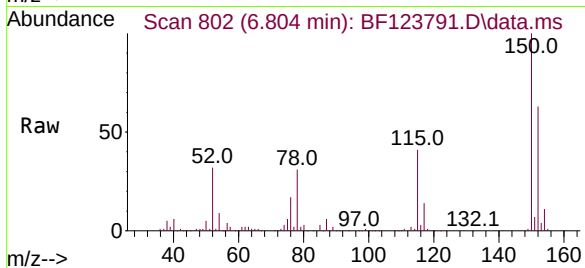




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.804 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF123791.D
Acq: 3 May 2021 21:47

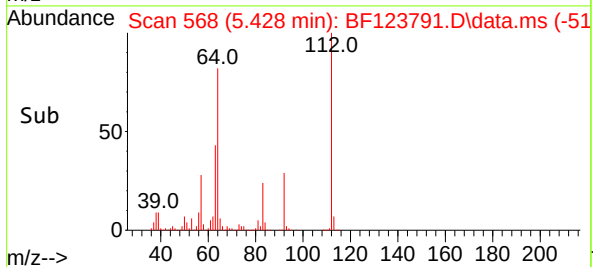
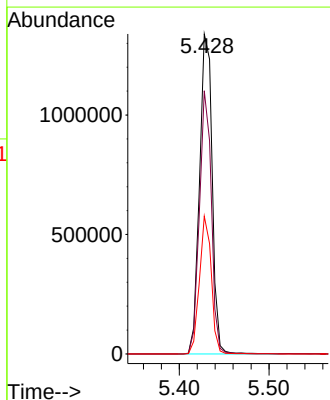
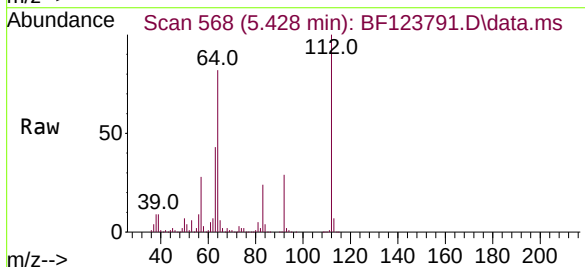
Instrument :
BNA_F
ClientSampleId :
TP-2-1-COMP

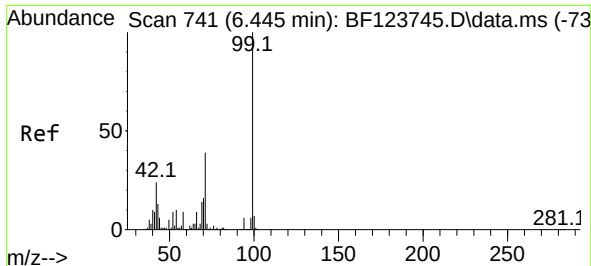
Tgt Ion:152 Resp: 242114
Ion Ratio Lower Upper
152 100
150 158.8 127.0 190.6
115 65.5 54.3 81.5



#5
2-Fluorophenol
Concen: 85.68 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.006 min
Lab File: BF123791.D
Acq: 3 May 2021 21:47

Tgt Ion:112 Resp: 1309471
Ion Ratio Lower Upper
112 100
64 82.3 61.4 92.0
63 43.1 33.0 49.4

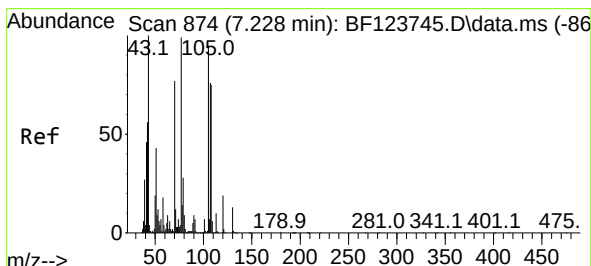
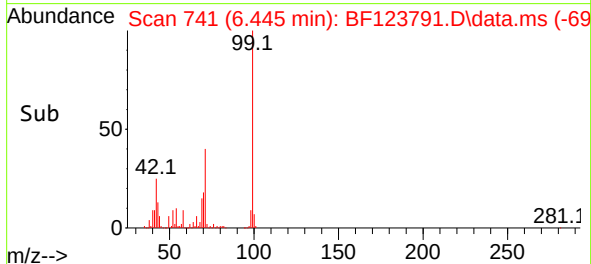
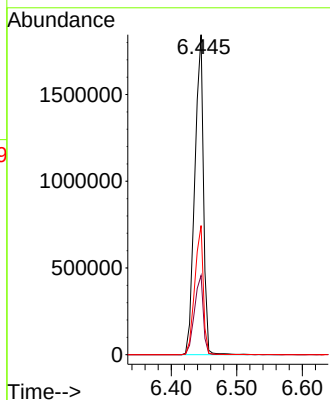
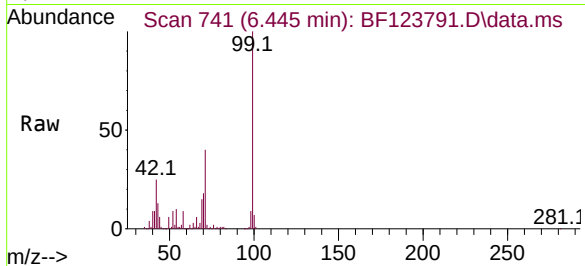




#7
Phenol-d6
Concen: 80.97 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF123791.D
Acq: 3 May 2021 21:47

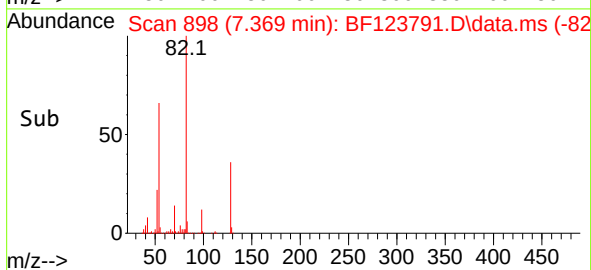
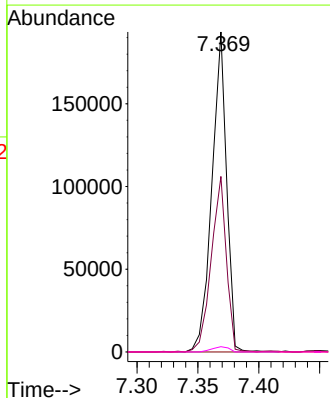
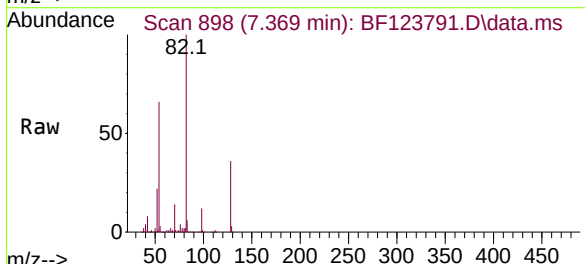
Instrument :
BNA_F
ClientSampleId :
TP-2-1-COMP

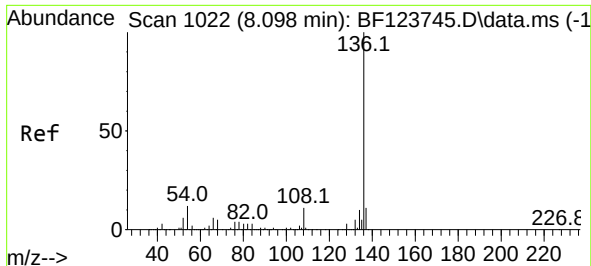
Tgt Ion: 99 Resp: 1704570
Ion Ratio Lower Upper
99 100
42 24.8 19.8 29.8
71 40.4 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.47 ng
RT: 7.369 min Scan# 898
Delta R.T. 0.141 min
Lab File: BF123791.D
Acq: 3 May 2021 21:47

Tgt Ion: 70 Resp: 162100
Ion Ratio Lower Upper
70 100
42 54.8 60.1 90.1#
101 0.0 7.4 11.2#
130 1.7 14.2 21.2#



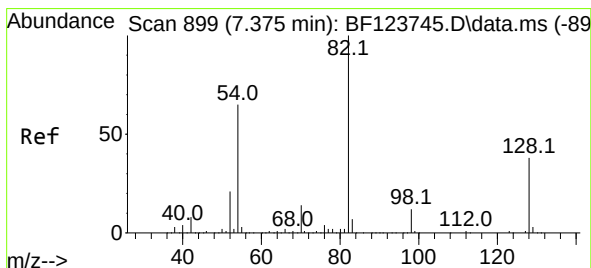
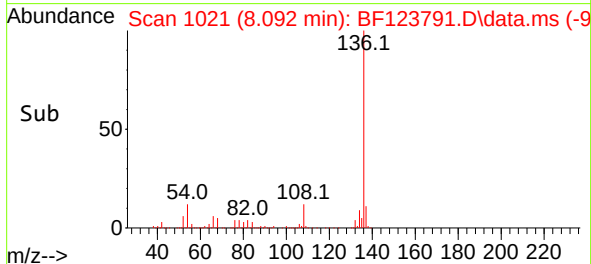
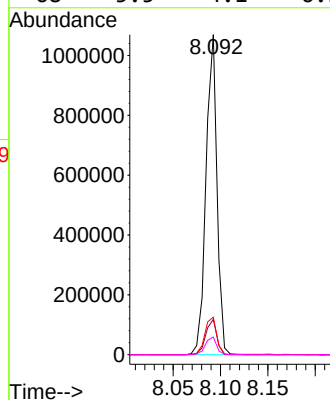
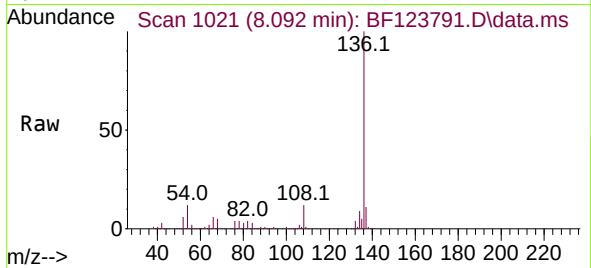


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF123791.D
Acq: 3 May 2021 21:47

Instrument :
BNA_F
ClientSampleId :
TP-2-1-COMP

Tgt Ion:136 Resp: 860620

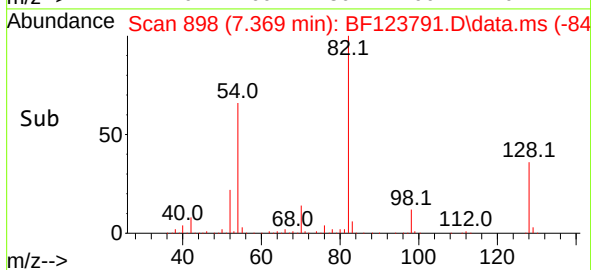
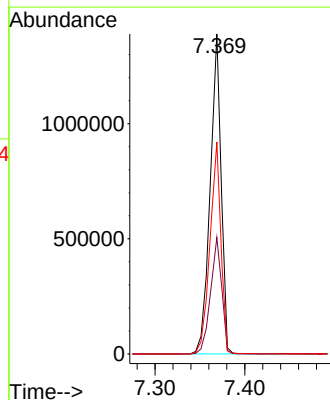
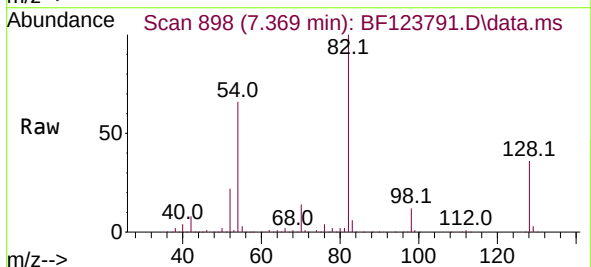
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	11.7	9.8	14.6
68	5.5	4.1	6.1

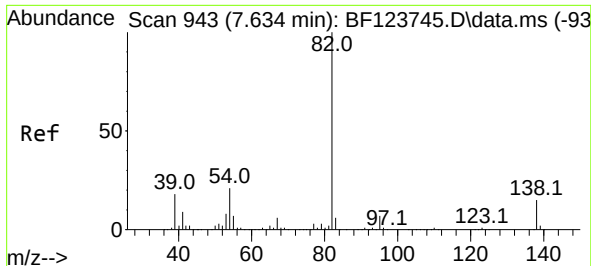


#23
Nitrobenzene-d5
Concen: 62.02 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF123791.D
Acq: 3 May 2021 21:47

Tgt Ion: 82 Resp: 1182433

Ion	Ratio	Lower	Upper
82	100		
128	36.4	29.4	44.2
54	66.2	54.1	81.1

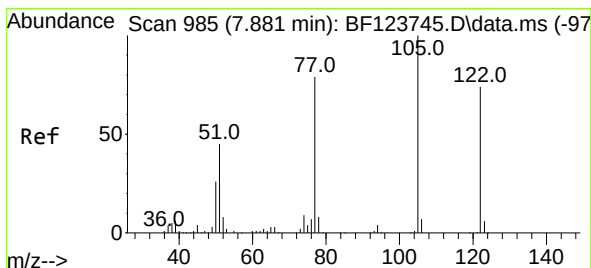
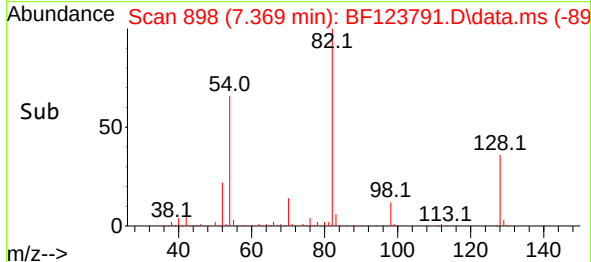
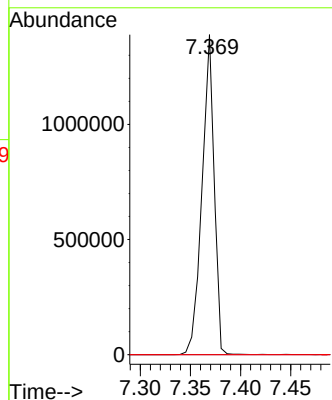
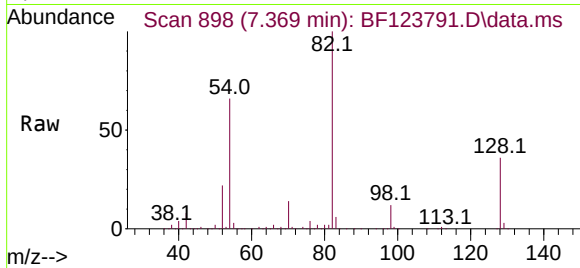




#25
Isophorone
Concen: 32.99 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.265 min
Lab File: BF123791.D
Acq: 3 May 2021 21:47

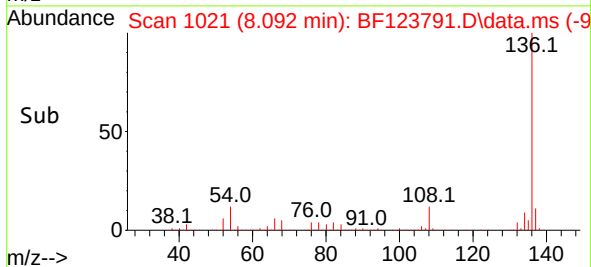
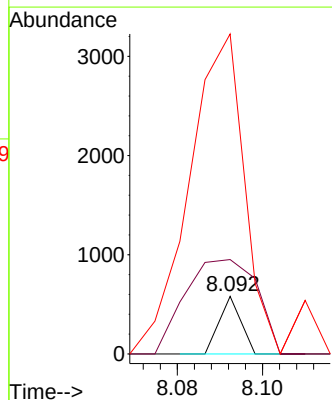
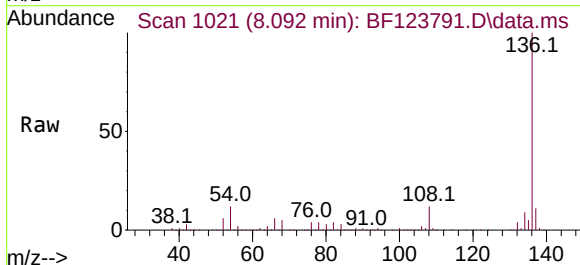
Instrument :
BNA_F
ClientSampleId :
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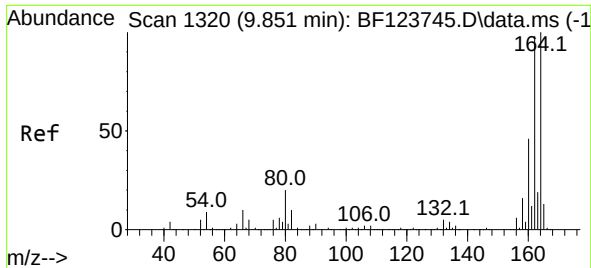
Tgt Ion: 82 Resp: 1179242
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 5.41 ng
RT: 8.092 min Scan# 1021
Delta R.T. 0.211 min
Lab File: BF123791.D
Acq: 3 May 2021 21:47

Tgt Ion:122 Resp: 205
Ion Ratio Lower Upper
122 100
105 163.9 107.8 147.8#
77 555.2 81.6 121.6#

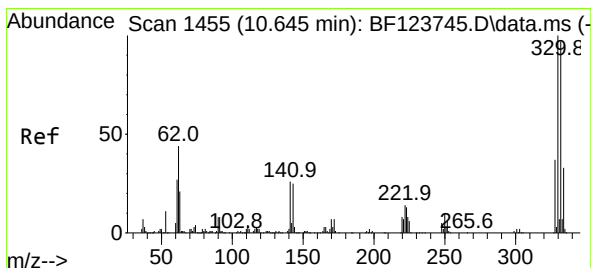
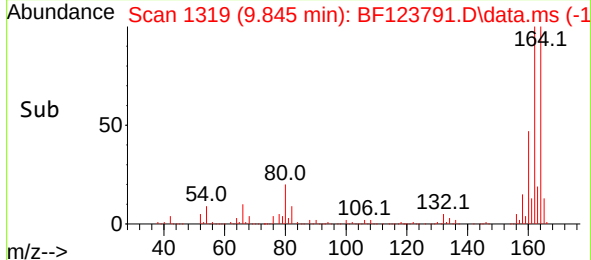
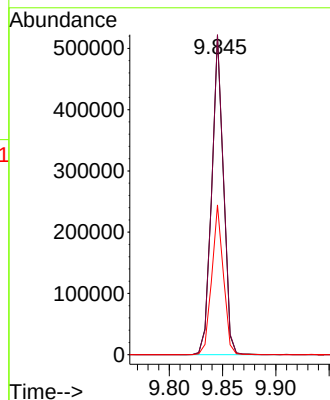
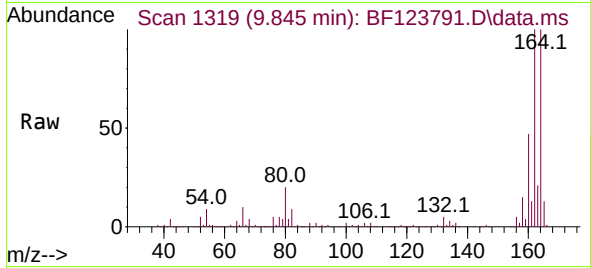




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF123791.D
Acq: 3 May 2021 21:47

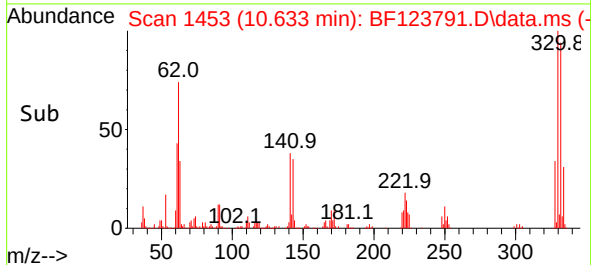
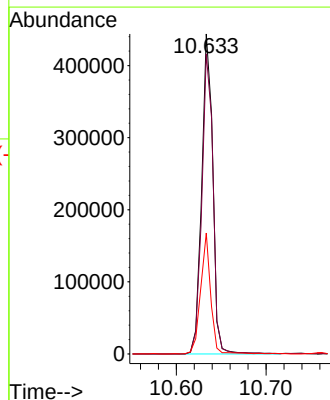
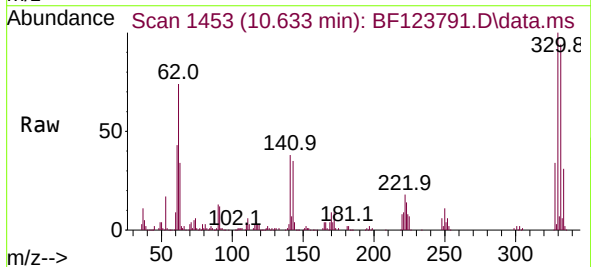
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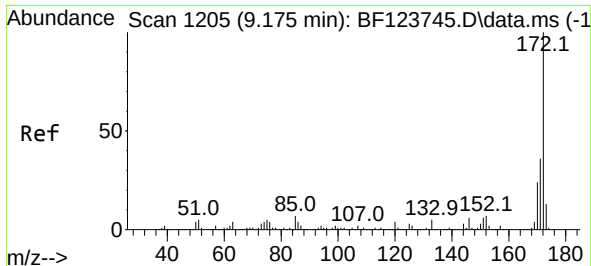
Tgt Ion:164 Resp: 399578
Ion Ratio Lower Upper
164 100
162 100.1 80.7 121.1
160 46.9 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 76.60 ng
RT: 10.633 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF123791.D
Acq: 3 May 2021 21:47

Tgt Ion:330 Resp: 381012
Ion Ratio Lower Upper
330 100
332 95.0 77.1 115.7
141 34.2 27.9 41.9

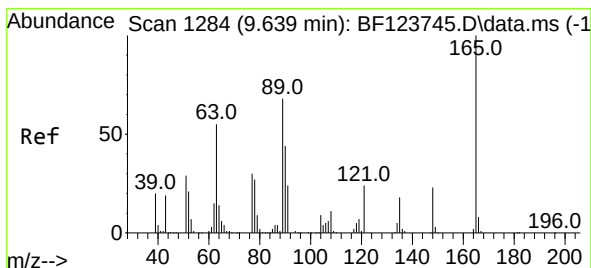
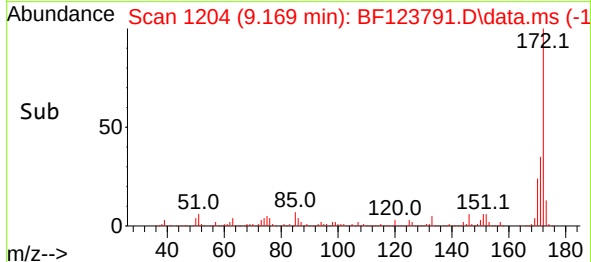
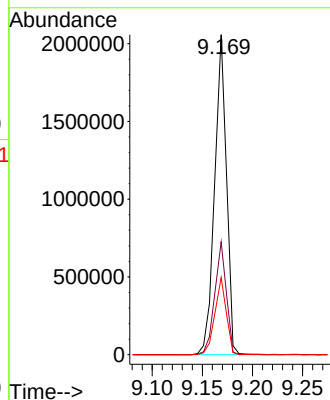
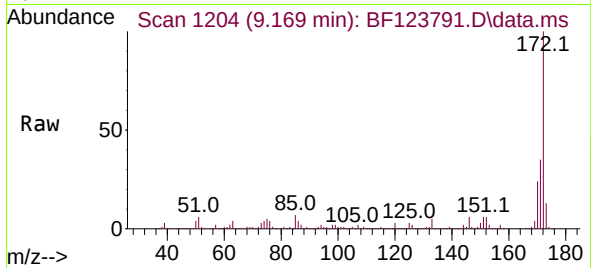




#45
2-Fluorobiphenyl
Concen: 61.69 ng
RT: 9.169 min Scan# 1204
Delta R.T. -0.006 min
Lab File: BF123791.D
Acq: 3 May 2021 21:47

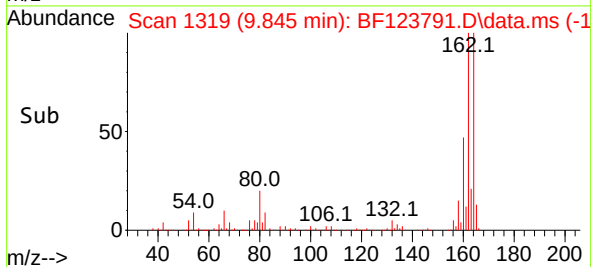
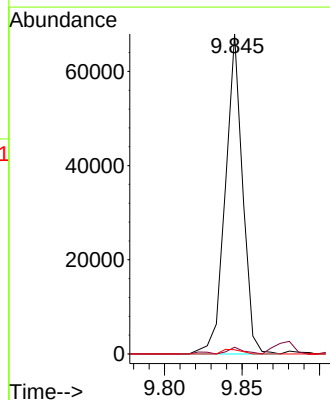
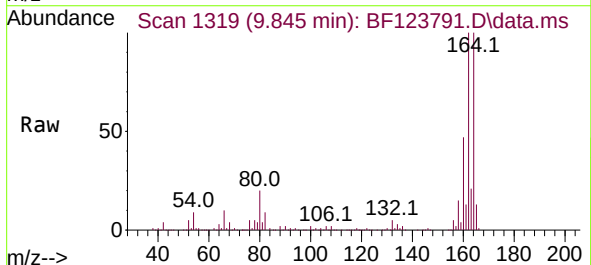
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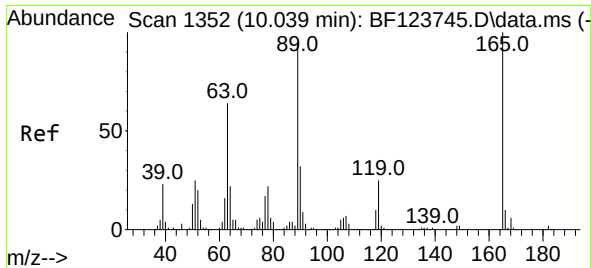
Tgt Ion:172 Resp: 1692591
Ion Ratio Lower Upper
172 100
171 35.3 28.1 42.1
170 24.1 19.2 28.8



#51
2,6-Dinitrotoluene
Concen: 8.07 ng
RT: 9.845 min Scan# 1319
Delta R.T. 0.206 min
Lab File: BF123791.D
Acq: 3 May 2021 21:47

Tgt Ion:165 Resp: 52514
Ion Ratio Lower Upper
165 100
63 2.1 67.7 101.5#
89 1.3 58.8 88.2#

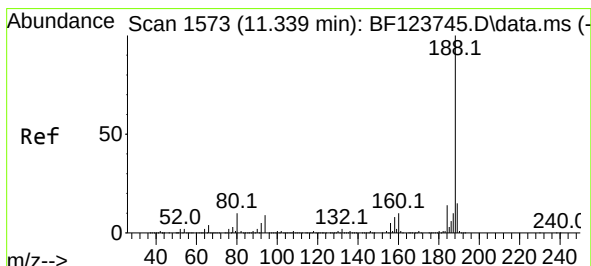
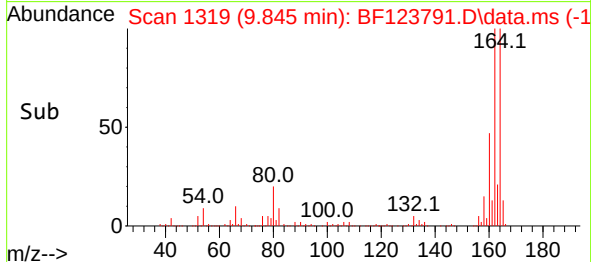
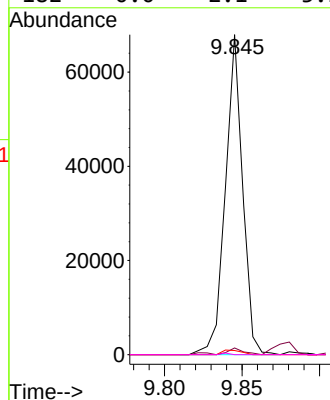
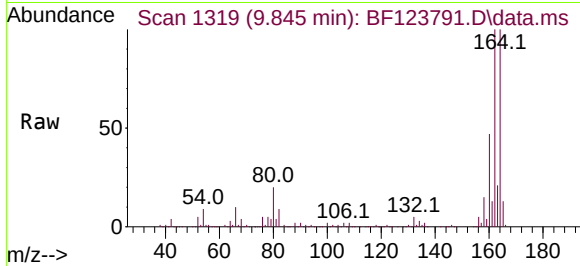




#57
2,4-Dinitrotoluene
Concen: 5.92 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.194 min
Lab File: BF123791.D
Acq: 3 May 2021 21:47

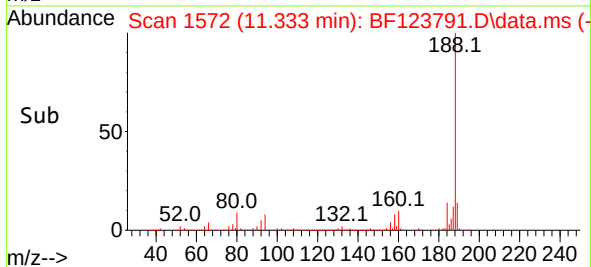
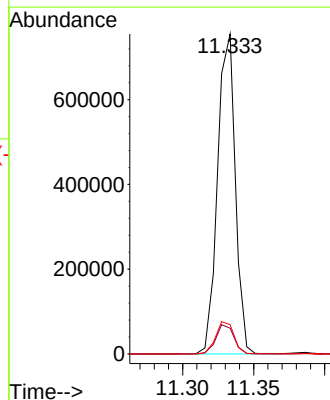
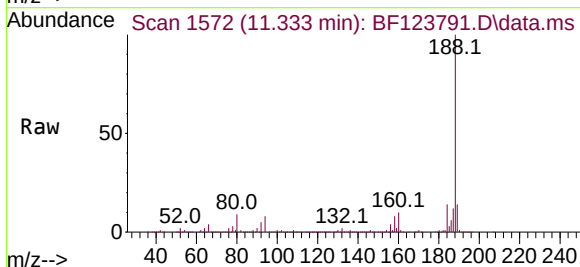
Instrument :
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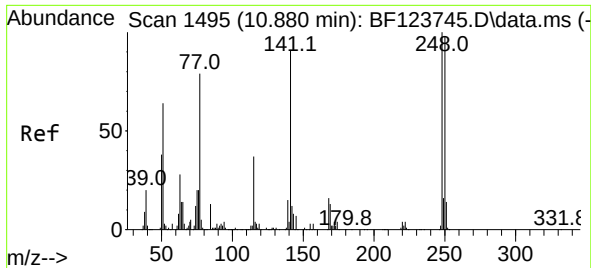
Tgt Ion:165 Resp: 52514
Ion Ratio Lower Upper
165 100
63 2.1 43.5 65.3#
89 1.3 67.7 101.5#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF123791.D
Acq: 3 May 2021 21:47

Tgt Ion:188 Resp: 655592
Ion Ratio Lower Upper
188 100
94 8.0 6.9 10.3
80 9.2 8.2 12.2

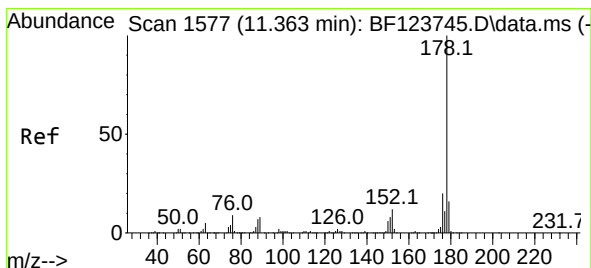
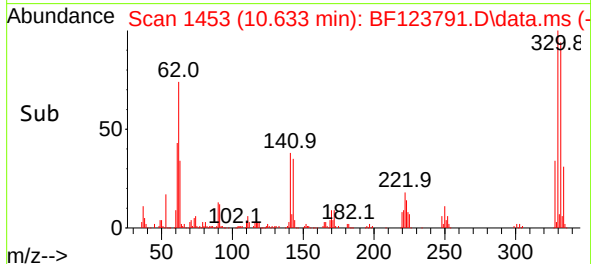
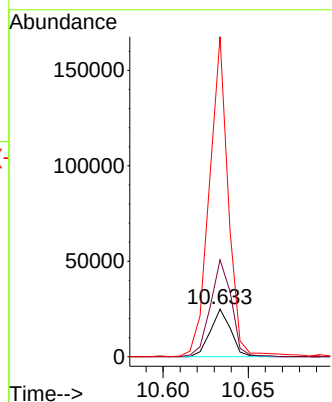
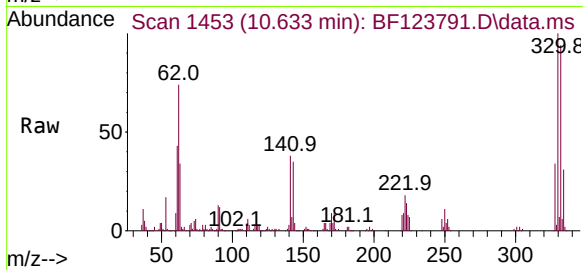




#67
4-Bromophenyl-phenylether
Concen: 3.01 ng
RT: 10.633 min Scan# 1453
Delta R.T. -0.247 min
Lab File: BF123791.D
Acq: 3 May 2021 21:47

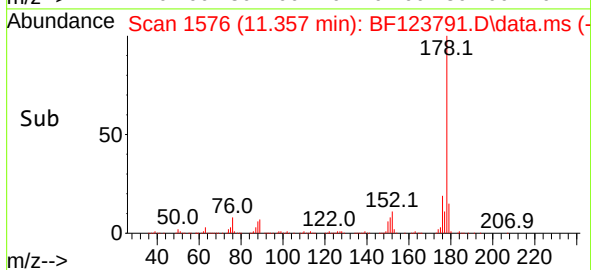
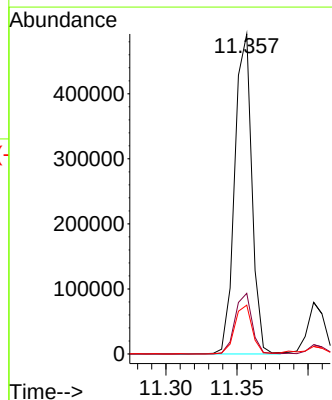
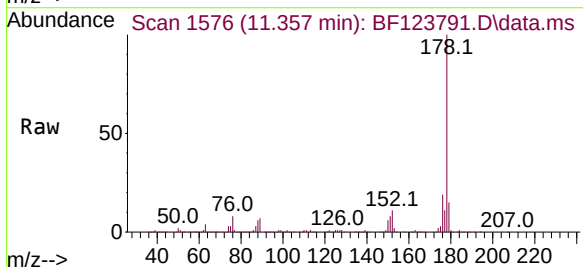
Instrument :
BNA_F
ClientSampleId :
TP-2-1-COMP

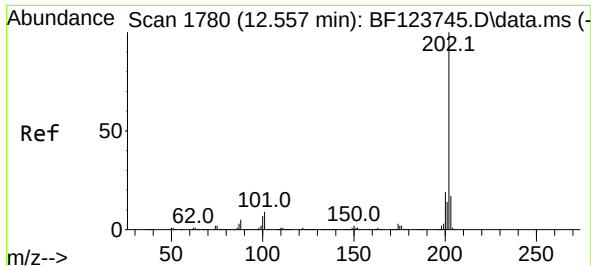
Tgt Ion:248 Resp: 20766
Ion Ratio Lower Upper
248 100
250 203.9 77.4 116.2#
141 673.5 63.7 95.5#



#71
Phenanthrene
Concen: 12.04 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF123791.D
Acq: 3 May 2021 21:47

Tgt Ion:178 Resp: 414203
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 15.3 12.5 18.7

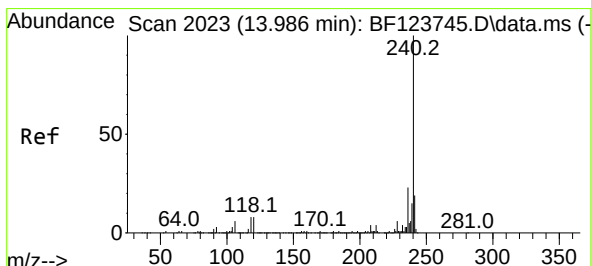
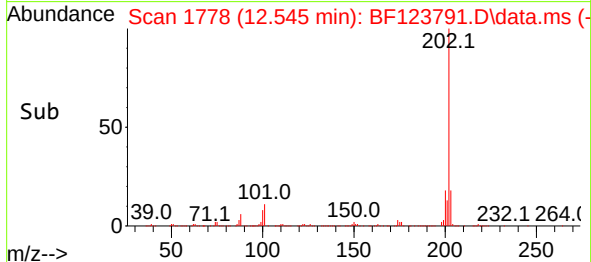
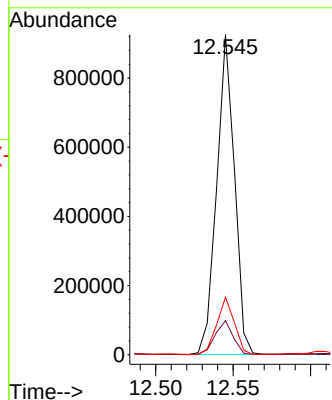
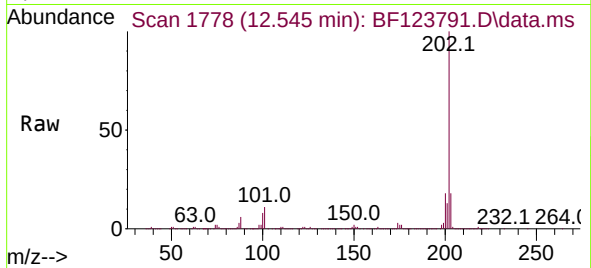




#75
Fluoranthene
Concen: 19.63 ng
RT: 12.545 min Scan# 1778
Delta R.T. -0.012 min
Lab File: BF123791.D
Acq: 3 May 2021 21:47

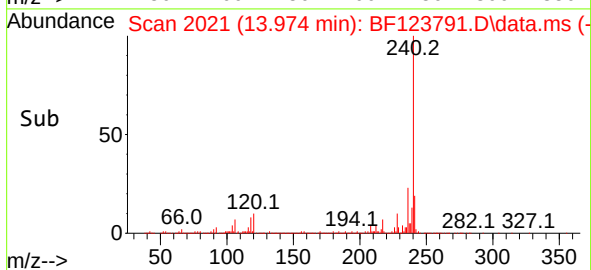
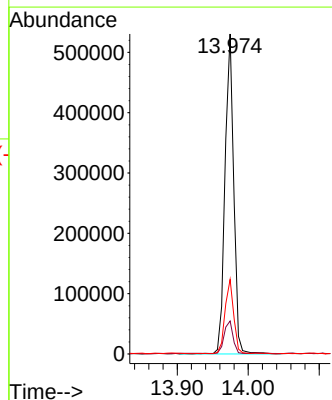
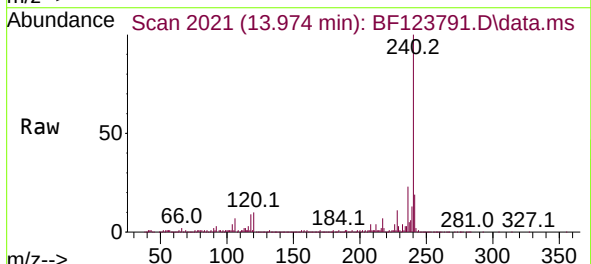
Instrument :
BNA_F
ClientSampleId :
TP-2-1-COMP

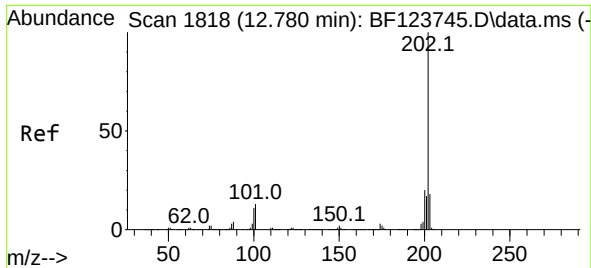
Tgt Ion:	202	Resp:	736194
Ion Ratio	Lower	Upper	
202	100		
101	10.7	0.0	30.9
203	17.9	0.0	37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.012 min
Lab File: BF123791.D
Acq: 3 May 2021 21:47

Tgt Ion:	240	Resp:	449897
Ion Ratio	Lower	Upper	
240	100		
120	10.3	7.2	10.8
236	23.3	19.0	28.4

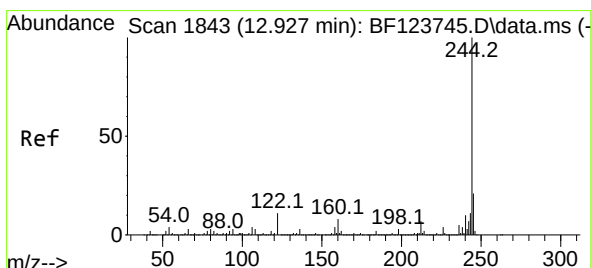
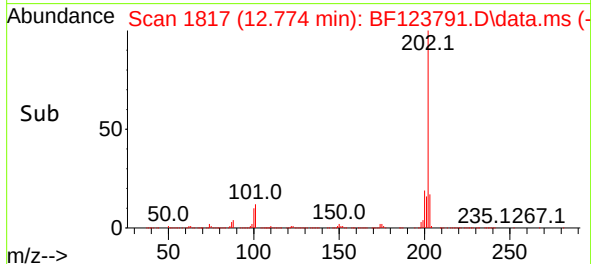
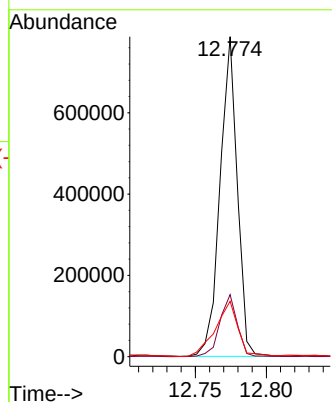
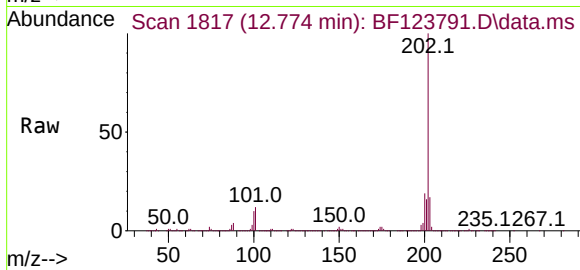




#78
Pyrene
Concen: 18.97 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF123791.D
Acq: 3 May 2021 21:47

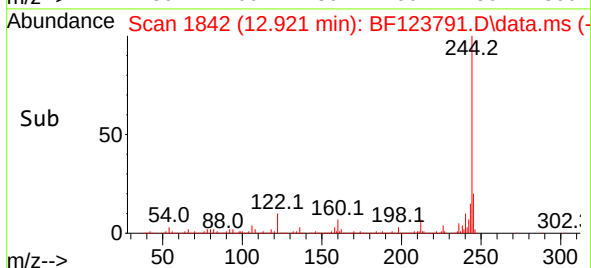
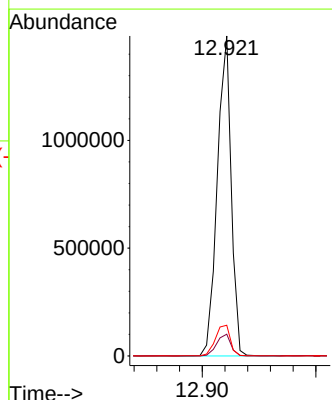
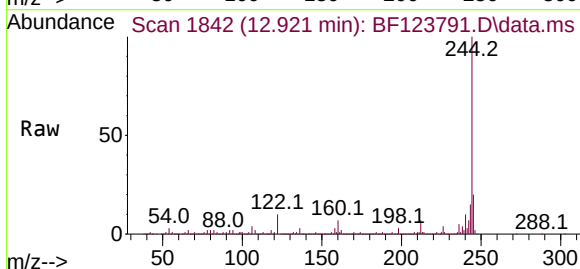
Instrument :
BNA_F
ClientSampleId :
TP-2-1-COMP

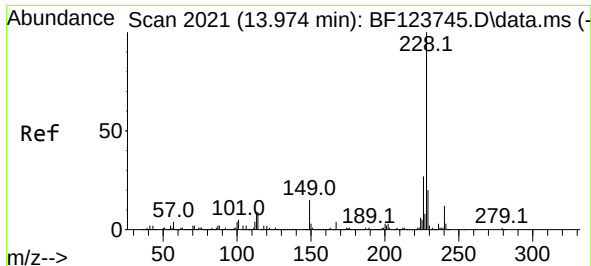
Tgt Ion:202 Resp: 662458
Ion Ratio Lower Upper
202 100
200 19.4 16.1 24.1
203 17.3 14.8 22.2



#79
Terphenyl-d14
Concen: 54.06 ng
RT: 12.921 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF123791.D
Acq: 3 May 2021 21:47

Tgt Ion:244 Resp: 1263092
Ion Ratio Lower Upper
244 100
212 6.8 5.7 8.5
122 9.6 9.7 14.5#

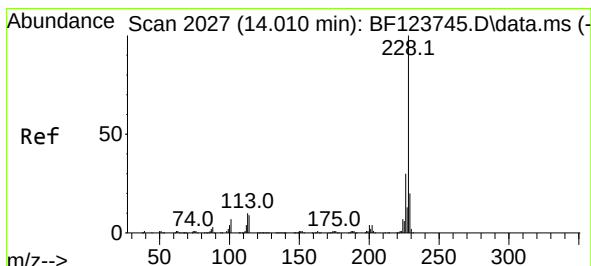
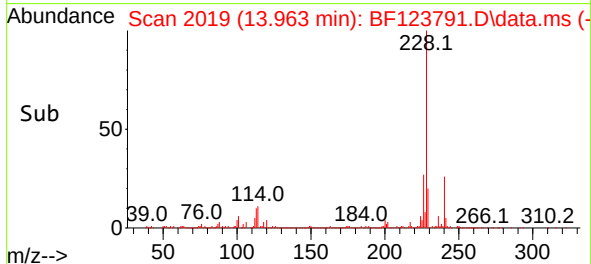
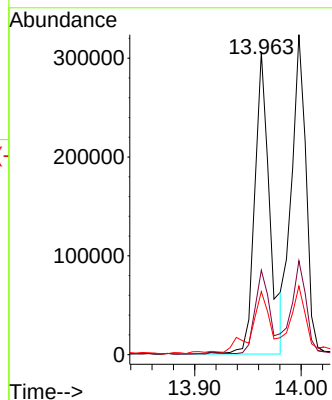
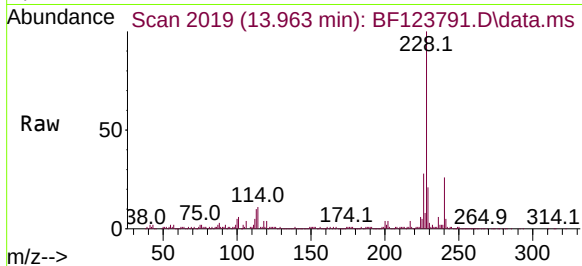




#81
Benzo(a)anthracene
Concen: 10.88 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF123791.D
Acq: 3 May 2021 21:47

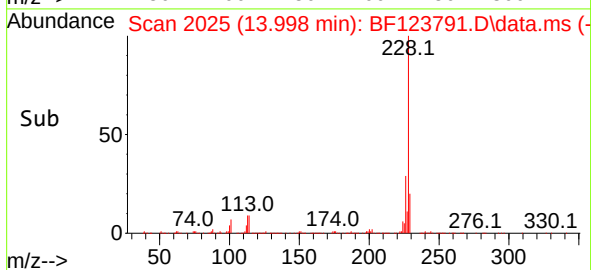
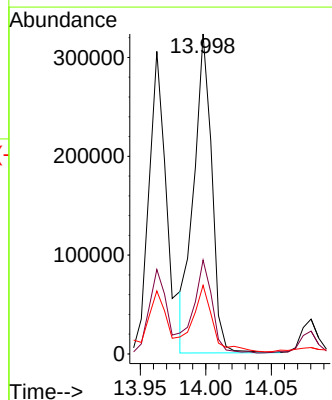
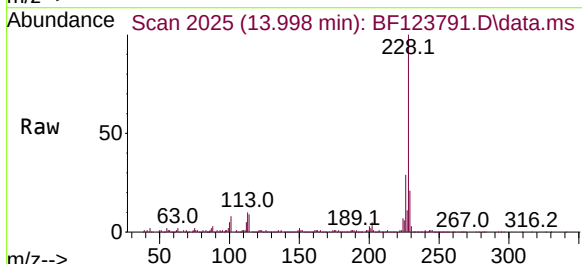
Instrument :
BNA_F
ClientSampleId :
TP-2-1-COMP

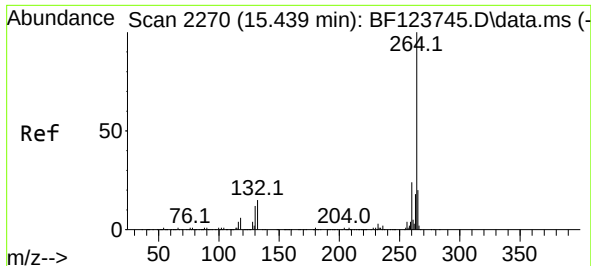
Tgt Ion:228 Resp: 296697
Ion Ratio Lower Upper
228 100
226 27.9 22.4 33.6
229 20.8 16.0 24.0



#83
Chrysene
Concen: 11.23 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.012 min
Lab File: BF123791.D
Acq: 3 May 2021 21:47

Tgt Ion:228 Resp: 308092
Ion Ratio Lower Upper
228 100
226 29.4 24.3 36.5
229 21.4 16.2 24.2

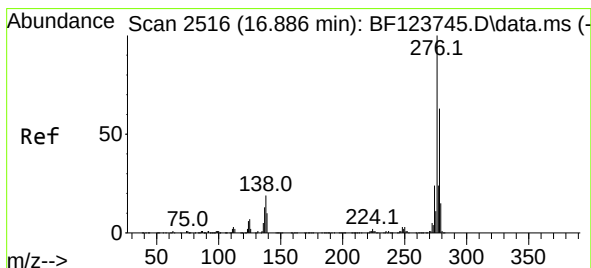
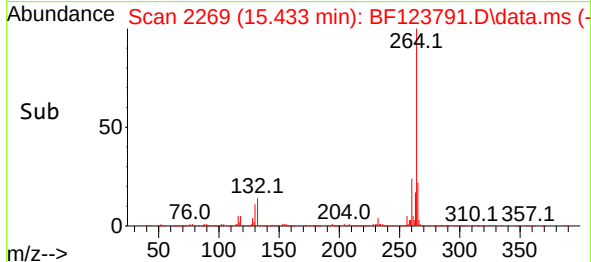
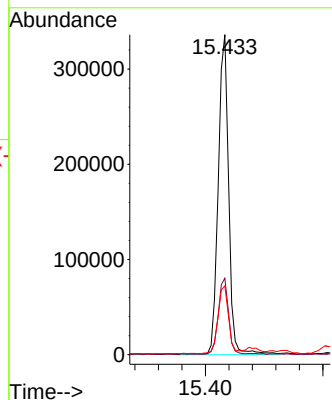
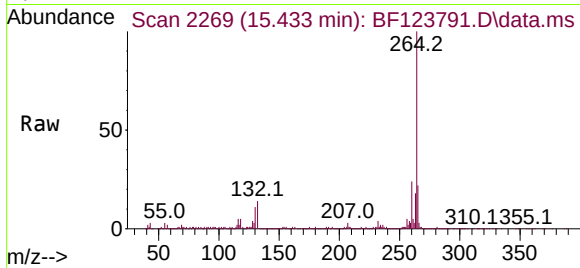




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.433 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF123791.D
Acq: 3 May 2021 21:47

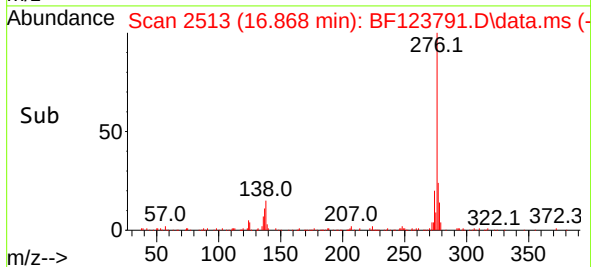
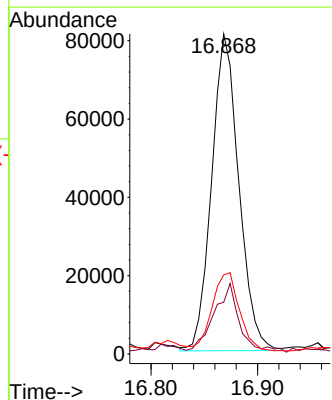
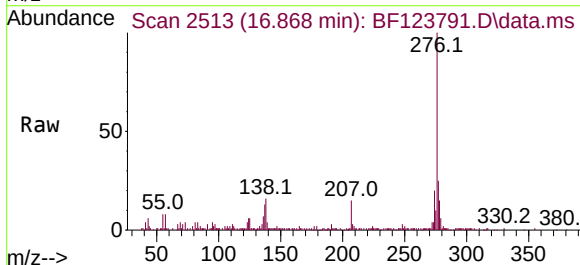
Instrument :
BNA_F
ClientSampleId :
TP-2-1-COMP

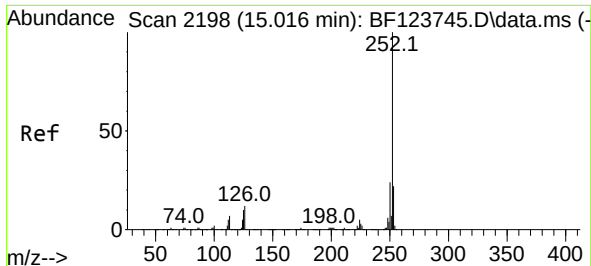
Tgt Ion:264 Resp: 414132
Ion Ratio Lower Upper
264 100
260 23.9 18.7 28.1
265 21.5 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.93 ng
RT: 16.868 min Scan# 2513
Delta R.T. -0.018 min
Lab File: BF123791.D
Acq: 3 May 2021 21:47

Tgt Ion:276 Resp: 143107
Ion Ratio Lower Upper
276 100
138 20.6 16.2 24.2
277 24.7 20.1 30.1

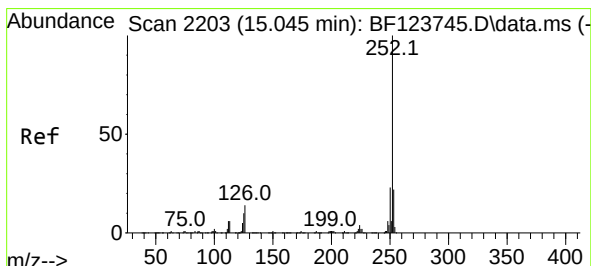
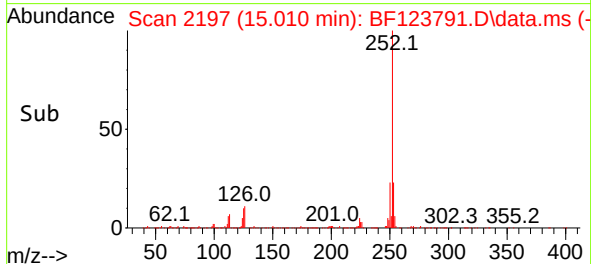
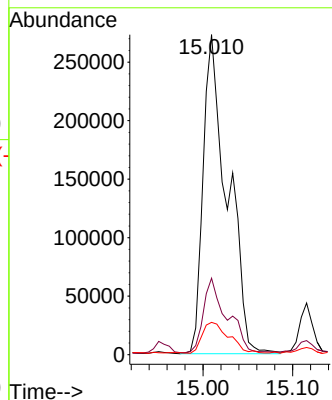
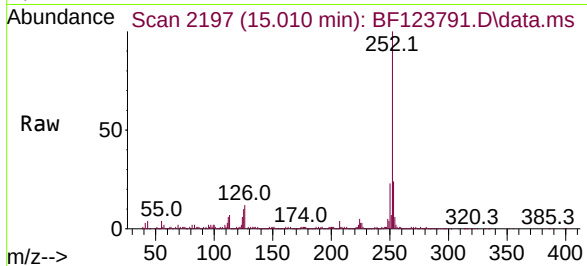




#88
Benzo(b)fluoranthene
Concen: 18.40 ng
RT: 15.010 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF123791.D
Acq: 3 May 2021 21:47

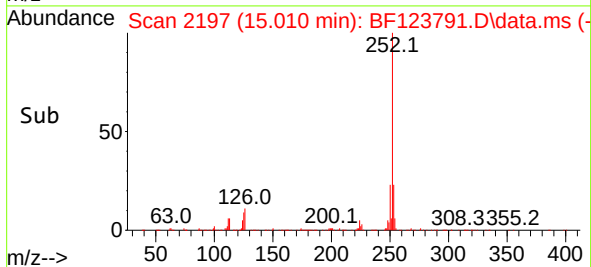
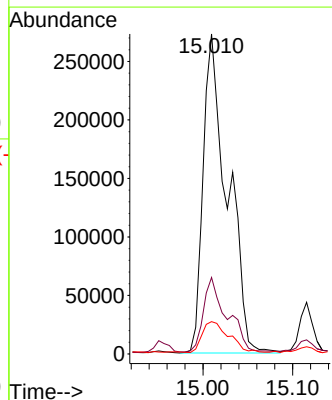
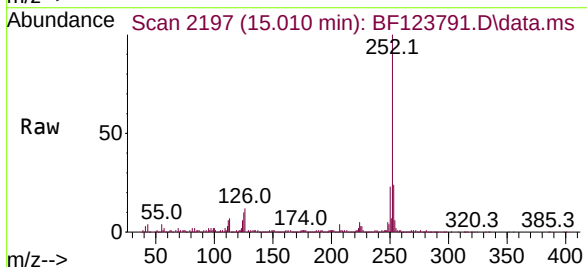
Instrument :
BNA_F
ClientSampleId :
TP-2-1-COMP

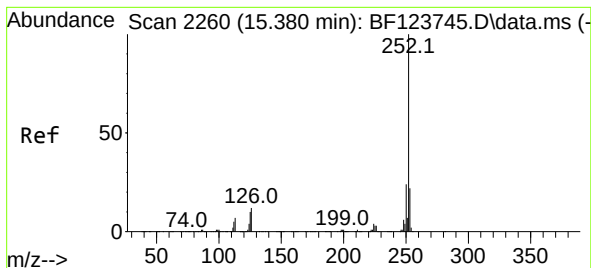
Tgt Ion:252 Resp: 513485
Ion Ratio Lower Upper
252 100
253 23.9 18.1 27.1
125 10.1 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 19.28 ng
RT: 15.010 min Scan# 2197
Delta R.T. -0.035 min
Lab File: BF123791.D
Acq: 3 May 2021 21:47

Tgt Ion:252 Resp: 513485
Ion Ratio Lower Upper
252 100
253 23.9 17.9 26.9
125 10.1 7.0 10.6





#90

Benzo(a)pyrene

Concen: 10.59 ng

RT: 15.368 min Scan# 2258

Delta R.T. -0.012 min

Lab File: BF123791.D

Acq: 3 May 2021 21:47

Tgt Ion:252 Resp: 252677

Ion Ratio Lower Upper

252 100

253 22.5 18.4 27.6

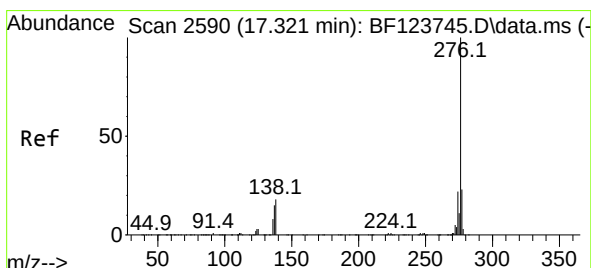
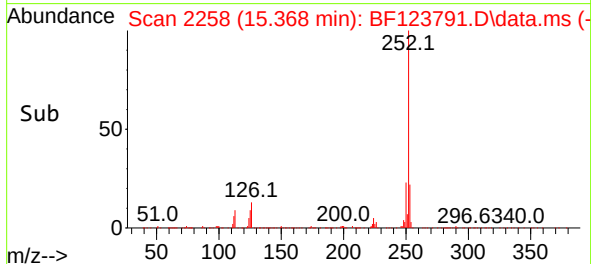
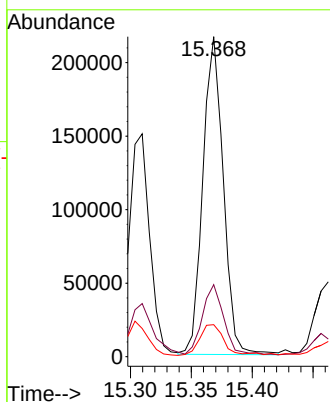
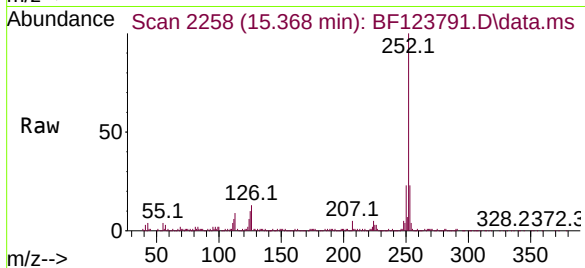
125 10.0 8.0 12.0

Instrument :

BNA_F

ClientSampleId :

TP-2-1-COMP



#92

Benzo(g,h,i)perylene

Concen: 6.70 ng

RT: 17.304 min Scan# 2587

Delta R.T. -0.018 min

Lab File: BF123791.D

Acq: 3 May 2021 21:47

Tgt Ion:276 Resp: 136686

Ion Ratio Lower Upper

276 100

277 22.5 18.2 27.2

138 18.9 13.8 20.6

