

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031821\
 Data File : BF123395.D
 Acq On : 18 Mar 2021 21:31
 Operator : JU/CG
 Sample : M1713-03 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7A

Quant Time: Mar 19 00:20:37 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 18 02:38:45 2021
 Response via : Initial Calibration

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

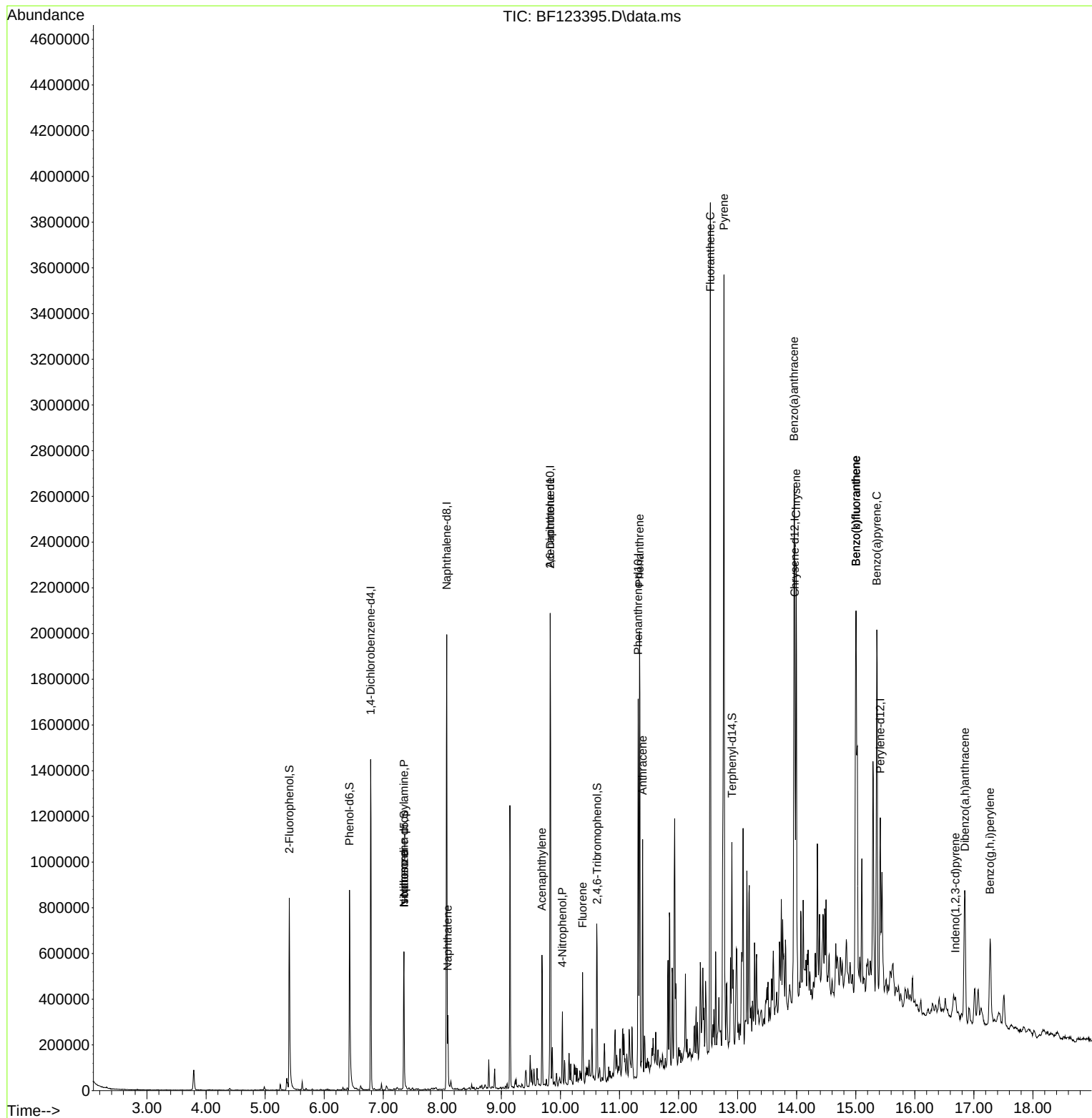
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	216937	20.00	ng	0.00
21) Naphthalene-d8	8.075	136	880451	20.00	ng	# 0.00
39) Acenaphthene-d10	9.828	164	408042	20.00	ng	0.00
64) Phenanthrene-d10	11.316	188	565257	20.00	ng	# 0.00
76) Chrysene-d12	13.968	240	298421	20.00	ng	# 0.00
86) Perylene-d12	15.415	264	312834	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	294864	19.30	ng	0.00
7) Phenol-d6	6.428	99	349276	17.60	ng	-0.02
23) Nitrobenzene-d5	7.351	82	191267	12.76	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	48902	17.15	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	366619	-7.06	ng	-0.01
79) Terphenyl-d14	12.904	244	243159	15.87	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.351	77	1348	Below Cal	#	35
10) Phenol	6.445	94	16741	Below Cal		97
19) n-Nitroso-di-n-propyla...	7.351	70	23923	2.20 ng	#	83
20) 3+4-Methylphenols	7.234	107	7209	Below Cal	#	63
25) Isophorone	7.351	82	191266	6.15 ng	#	65
31) Naphthalene	8.092	128	123270	2.67 ng		98
49) Acenaphthylene	9.686	152	235747	5.79 ng		97
51) 2,6-Dinitrotoluene	9.828	165	56303	8.20 ng	#	31
56) 4-Nitrophenol	10.033	139	32924	5.73 ng	#	17
58) Fluorene	10.375	166	121132	2.62 ng		96
71) Phenanthrene	11.339	178	712831	20.66 ng		99
72) Anthracene	11.392	178	349461	10.07 ng		98
75) Fluoranthene	12.539	202	1507942	68.93 ng		97
78) Pyrene	12.769	202	1427884	52.16 ng		99
81) Benzo(a)anthracene	13.957	228	895761	45.53 ng		94
83) Chrysene	13.992	228	736214	36.24 ng		96
87) Indeno(1,2,3-cd)pyrene	16.686	276	68280	3.26 ng		95
88) Benzo(b)fluoranthene	15.004	252	1302493	57.94 ng	#	95
89) Benzo(k)fluoranthene	15.004	252	1302493	64.68 ng	#	94
90) Benzo(a)pyrene	15.357	252	751343	37.89 ng	#	93
91) Dibenzo(a,h)anthracene	16.851	278	97893	5.65 ng	#	78
92) Benzo(g,h,i)perylene	17.274	276	278670	15.14 ng	#	86

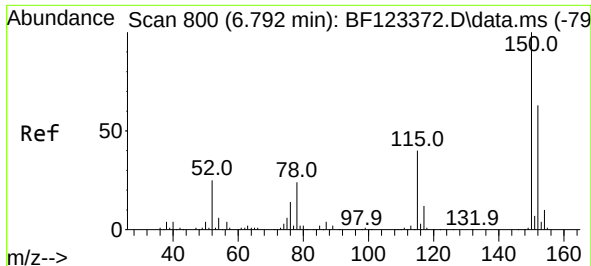
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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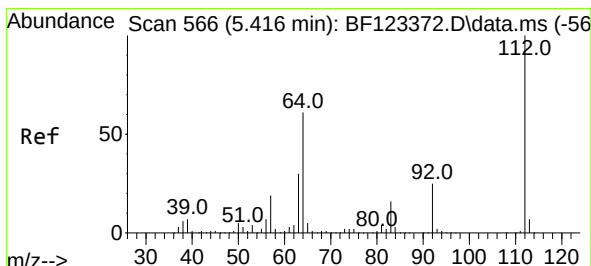
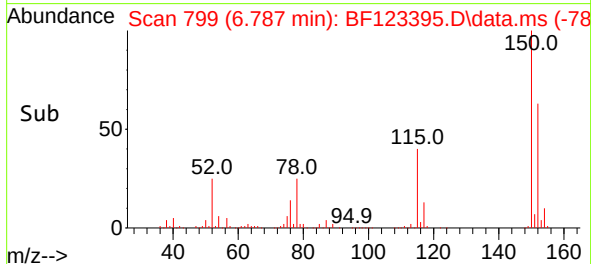
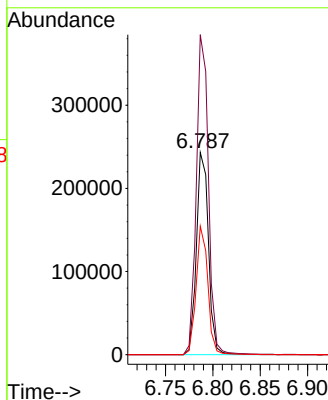
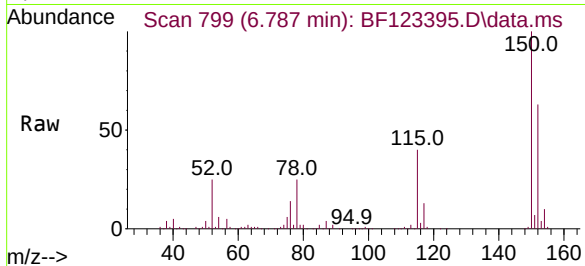




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.787 min Scan# 799
Delta R.T. -0.005 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

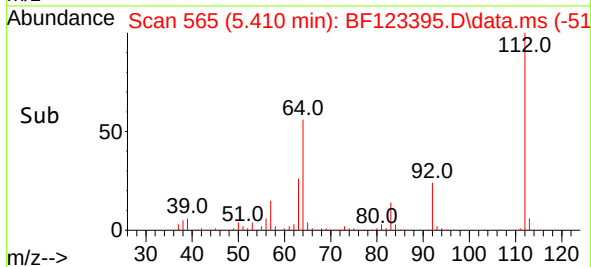
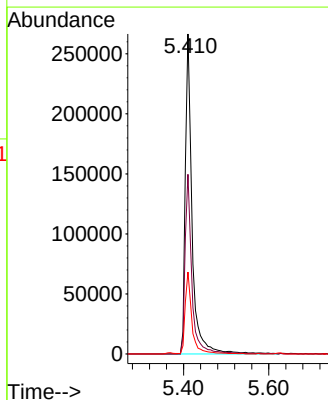
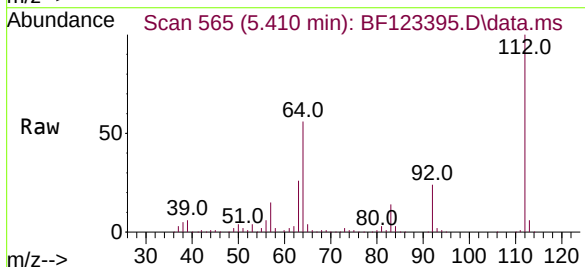
Instrument :
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TP-7A

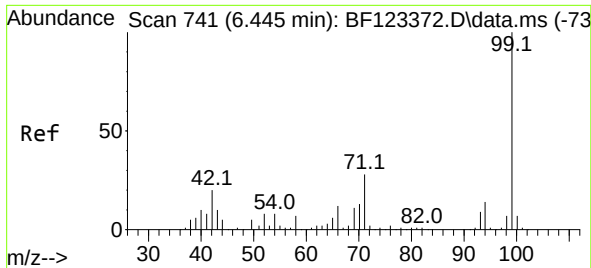
Tgt Ion:152 Resp: 216937
Ion Ratio Lower Upper
152 100
150 158.3 125.8 188.6
115 63.6 49.3 73.9



#5
2-Fluorophenol
Concen: 19.30 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.006 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

Tgt Ion:112 Resp: 294864
Ion Ratio Lower Upper
112 100
64 56.2 46.9 70.3
63 25.6 24.5 36.7

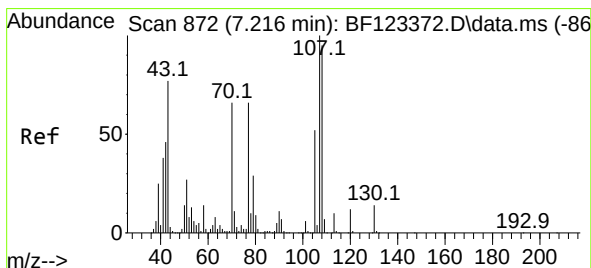
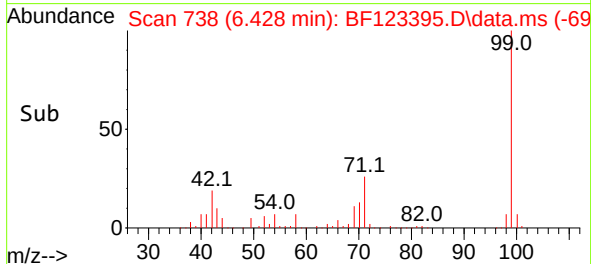
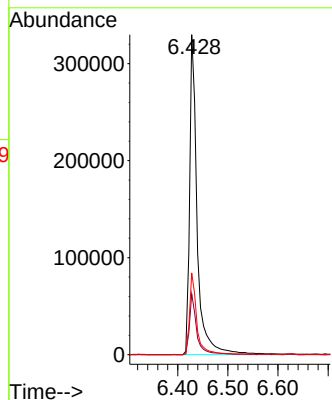
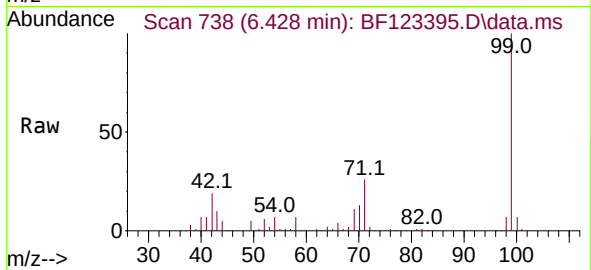




#7
Phenol-d6
Concen: 17.60 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.017 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

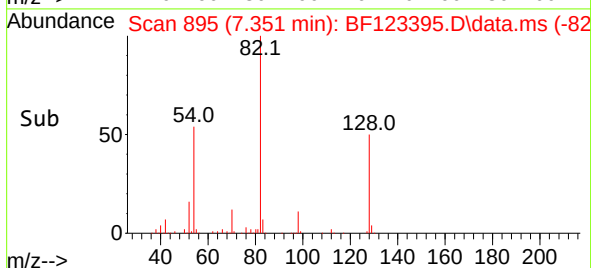
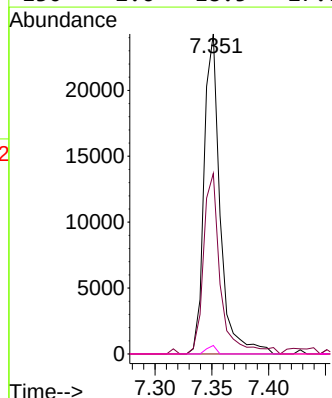
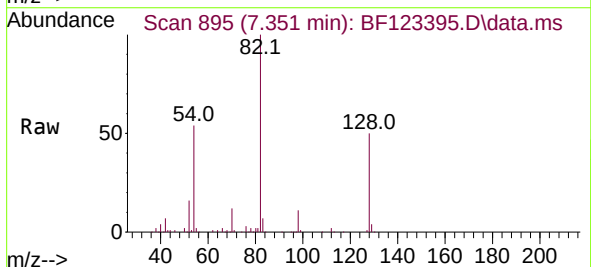
Instrument :
BNA_F
ClientSampleId :
TP-7A

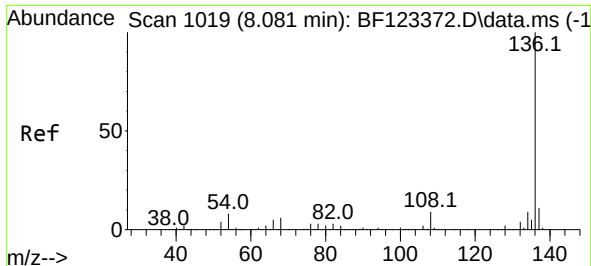
Tgt Ion: 99 Resp: 349276
Ion Ratio Lower Upper
99 100
42 19.0 13.8 20.6
71 25.6 26.9 40.3#



#19
n-Nitroso-di-n-propylamine
Concen: 2.20 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

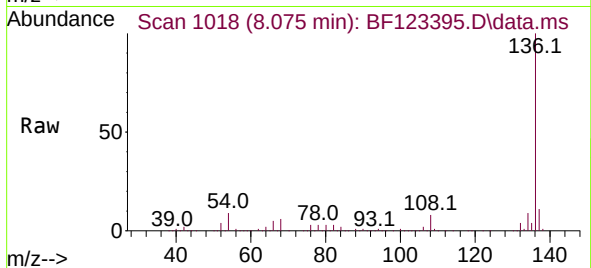
Tgt Ion: 70 Resp: 23923
Ion Ratio Lower Upper
70 100
42 56.4 43.0 64.4
101 0.0 7.9 11.9#
130 2.6 18.5 27.7#



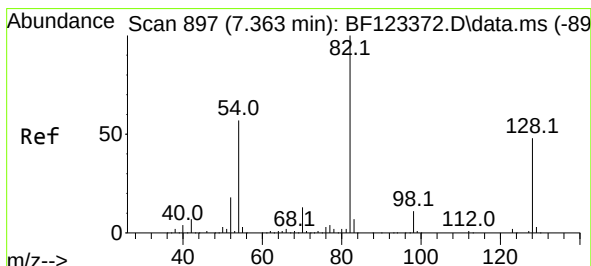
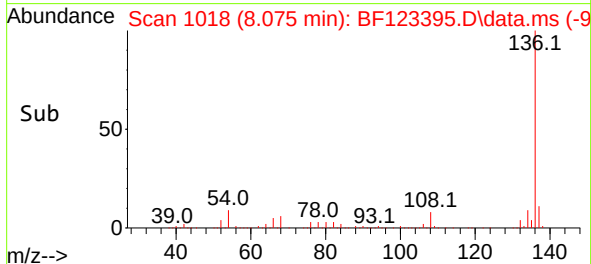
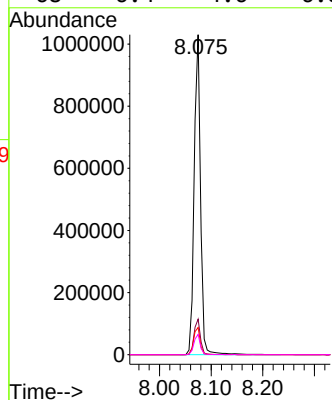


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

Instrument :
BNA_F
ClientSampleId :
TP-7A

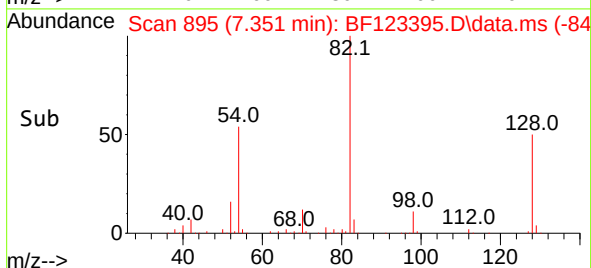
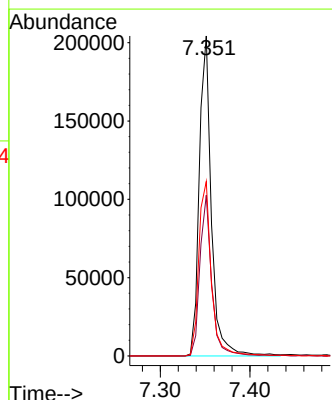
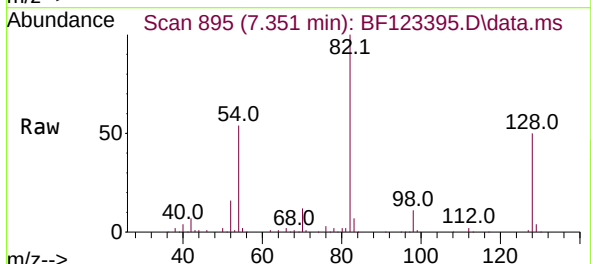


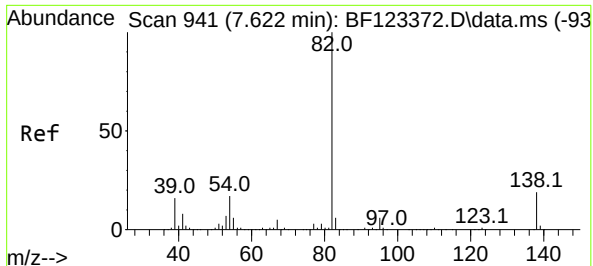
Tgt Ion:136 Resp: 880451
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.5 5.5 8.3#
68 6.4 4.6 6.8



#23
Nitrobenzene-d5
Concen: 12.76 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

Tgt Ion: 82 Resp: 191267
Ion Ratio Lower Upper
82 100
128 50.3 37.0 55.4
54 54.5 38.4 57.6

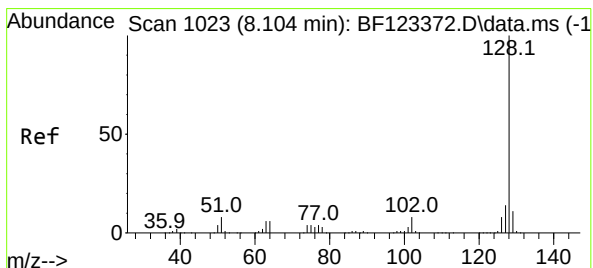
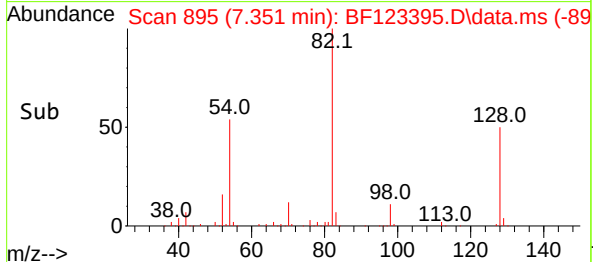
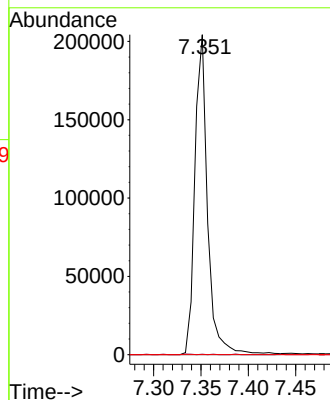
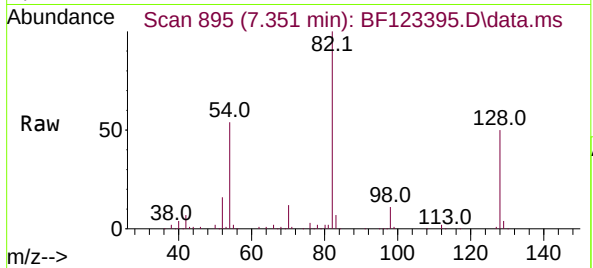




#25
Isophorone
Concen: 6.15 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

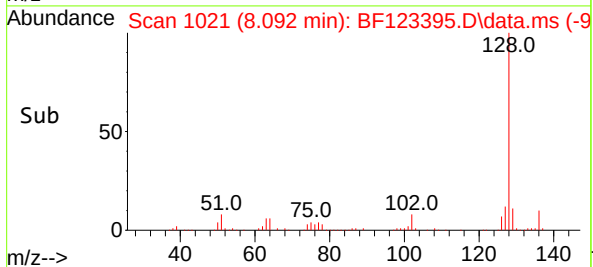
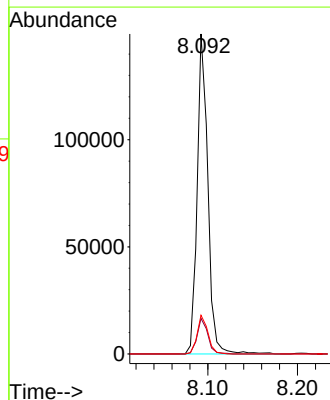
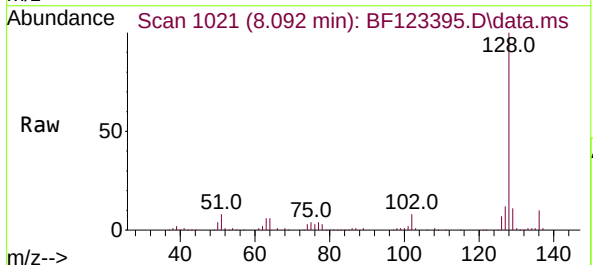
Instrument :
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ClientSampleId :
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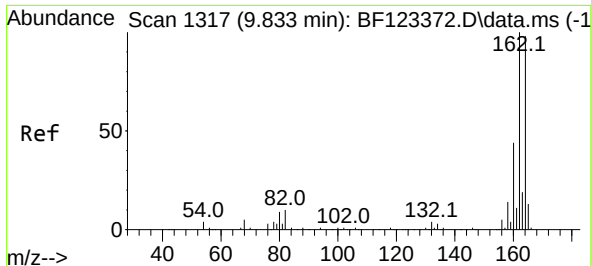
Tgt Ion: 82 Resp: 191266
Ion Ratio Lower Upper
82 100
95 0.2 5.8 8.6#
138 0.0 14.6 21.8#



#31
Naphthalene
Concen: 2.67 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.012 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

Tgt Ion: 128 Resp: 123270
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 12.1 10.7 16.1

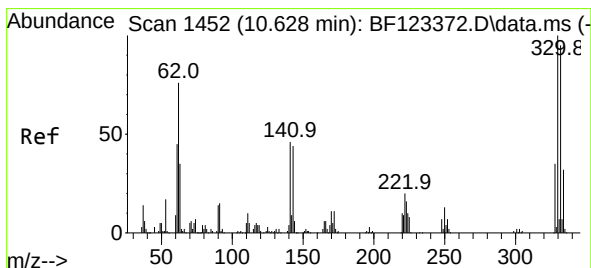
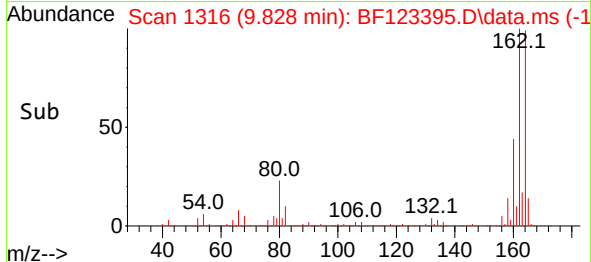
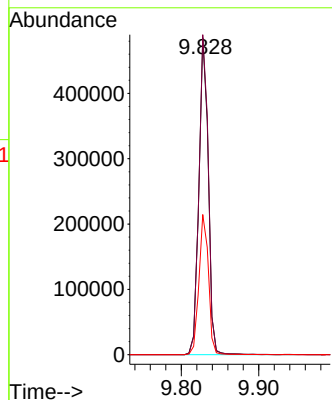
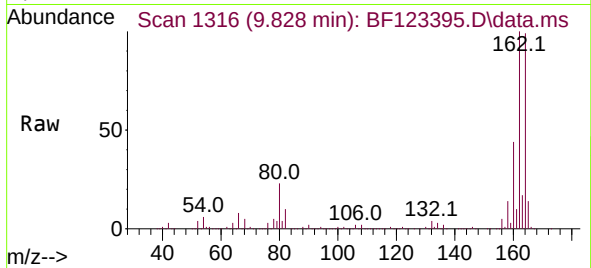




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

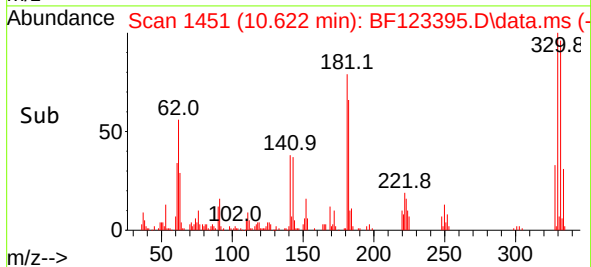
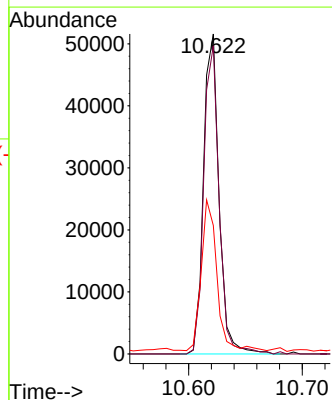
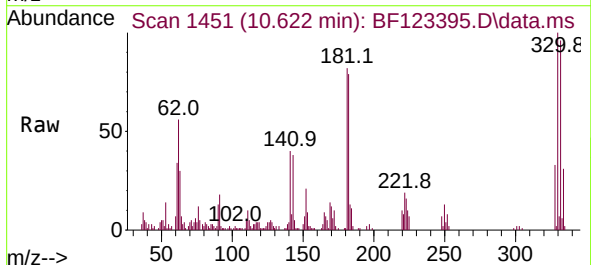
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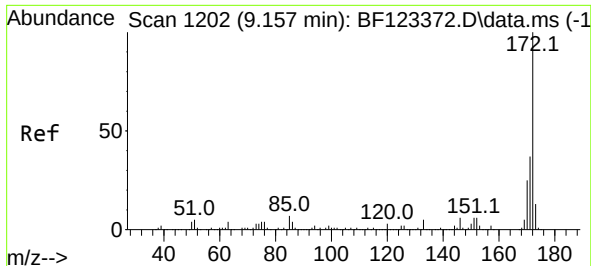
Tgt Ion:164 Resp: 408042
Ion Ratio Lower Upper
164 100
162 100.9 80.8 121.2
160 44.2 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 17.15 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

Tgt Ion:330 Resp: 48902
Ion Ratio Lower Upper
330 100
332 95.8 77.5 116.3
141 47.2 23.8 35.8#

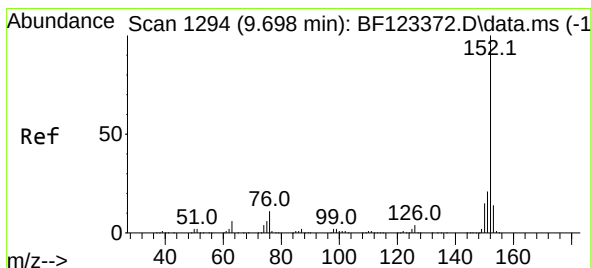
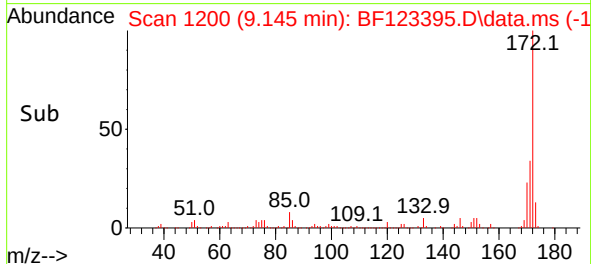
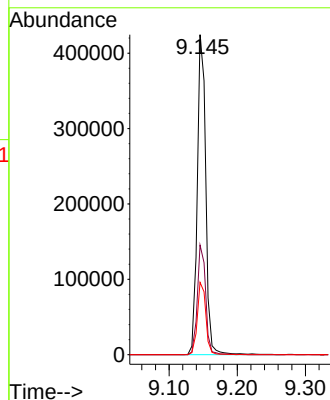
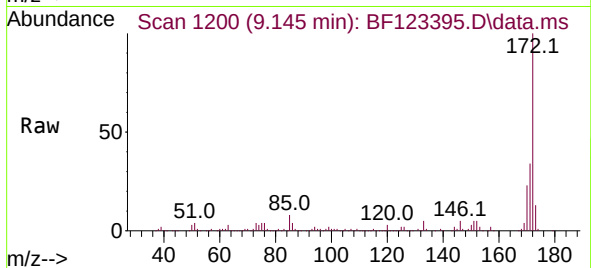




#45
2-Fluorobiphenyl
Concen: -7.06 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

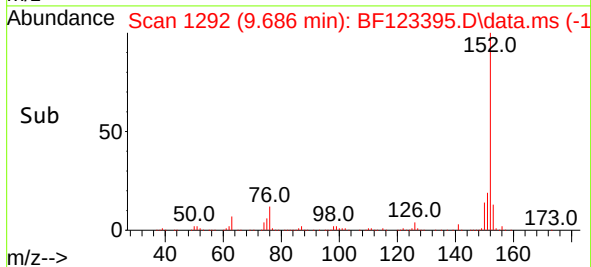
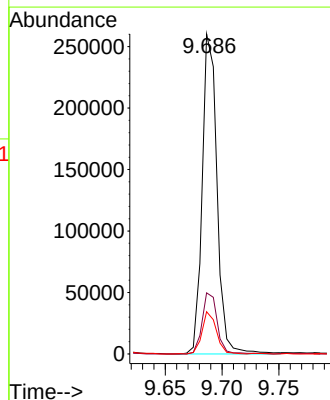
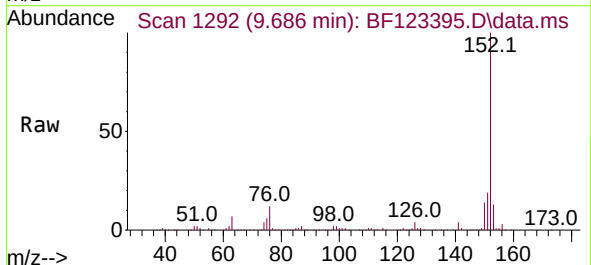
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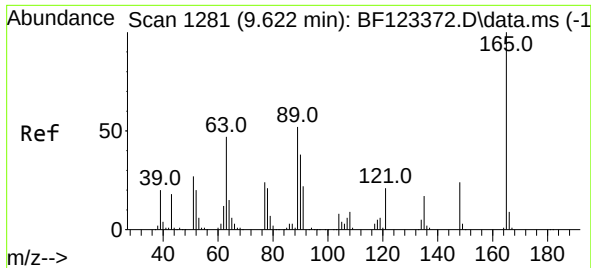
Tgt Ion:172 Resp: 366619
Ion Ratio Lower Upper
172 100
171 34.3 29.6 44.4
170 22.6 19.5 29.3



#49
Acenaphthylene
Concen: 5.79 ng
RT: 9.686 min Scan# 1292
Delta R.T. -0.012 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

Tgt Ion:152 Resp: 235747
Ion Ratio Lower Upper
152 100
151 19.1 16.6 25.0
153 13.2 10.9 16.3

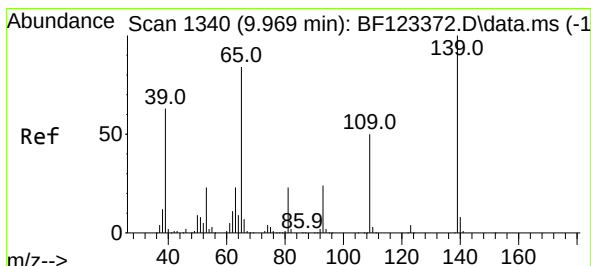
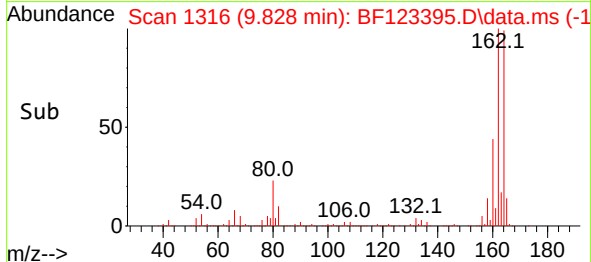
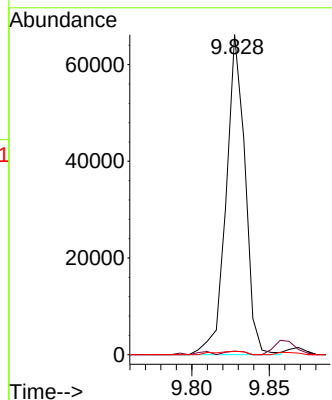
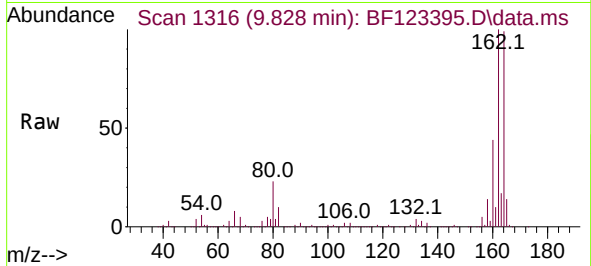




#51
2,6-Dinitrotoluene
Concen: 8.20 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

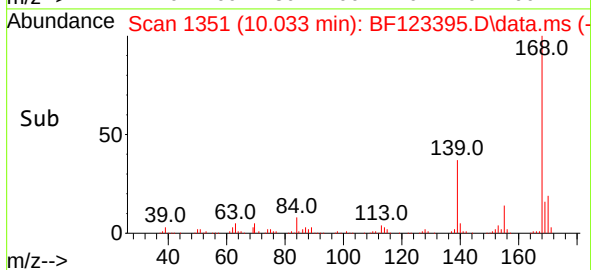
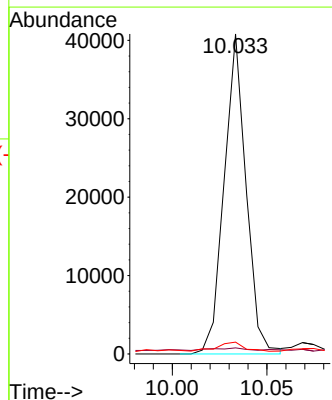
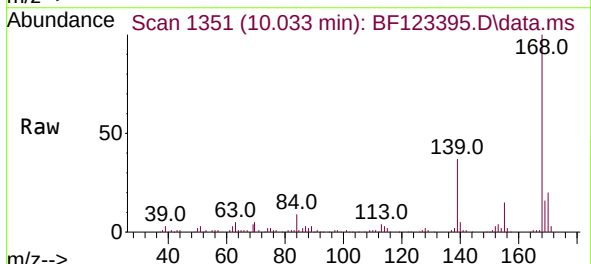
Instrument :
BNA_F
ClientSampled :
TP-7A

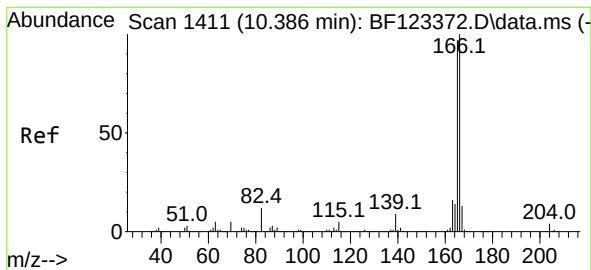
Tgt Ion:165 Resp: 56303
Ion Ratio Lower Upper
165 100
63 1.1 36.6 55.0#
89 1.1 39.4 59.0#



#56
4-Nitrophenol
Concen: 5.73 ng
RT: 10.033 min Scan# 1351
Delta R.T. 0.065 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

Tgt Ion:139 Resp: 32924
Ion Ratio Lower Upper
139 100
109 1.9 45.1 85.1#
65 3.7 59.2 99.2#

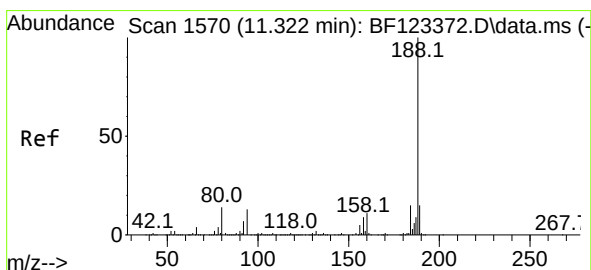
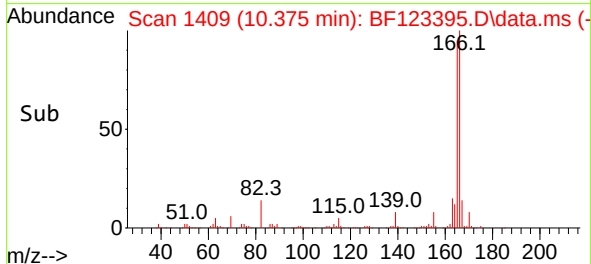
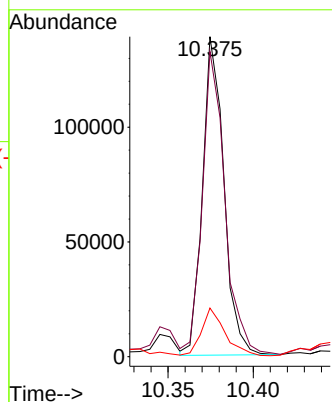
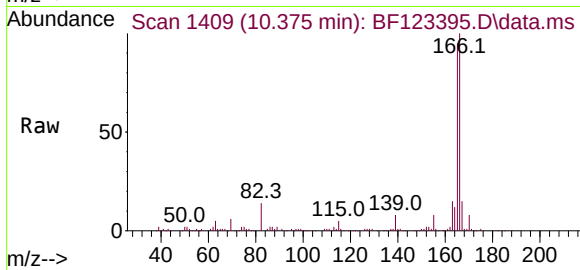




#58
Fluorene
Concen: 2.62 ng
RT: 10.375 min Scan# 1409
Delta R.T. -0.011 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

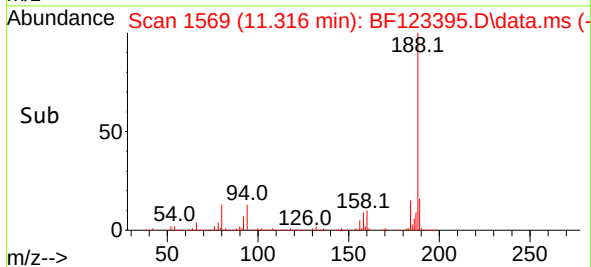
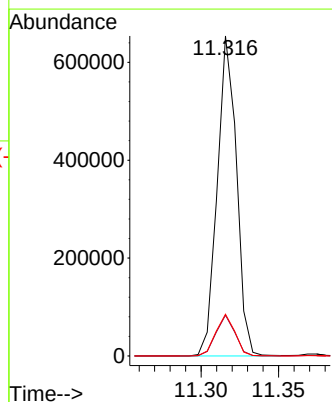
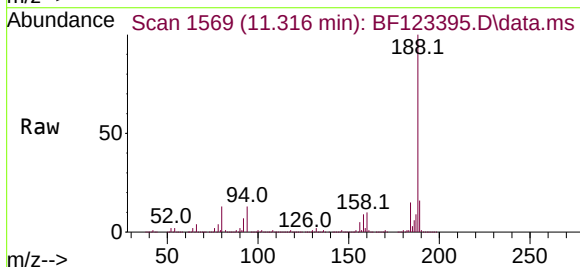
Instrument :
BNA_F
ClientSampleId :
TP-7A

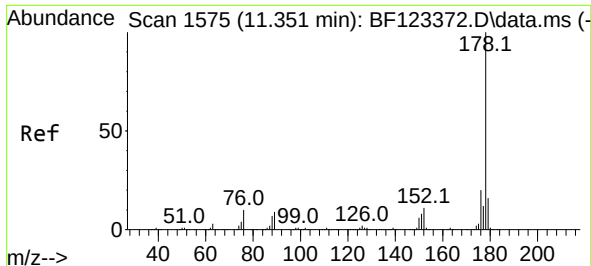
Tgt Ion:166 Resp: 121132
Ion Ratio Lower Upper
166 100
165 95.4 79.4 119.0
167 15.2 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

Tgt Ion:188 Resp: 565257
Ion Ratio Lower Upper
188 100
94 12.7 7.4 11.2#
80 13.0 8.2 12.4#

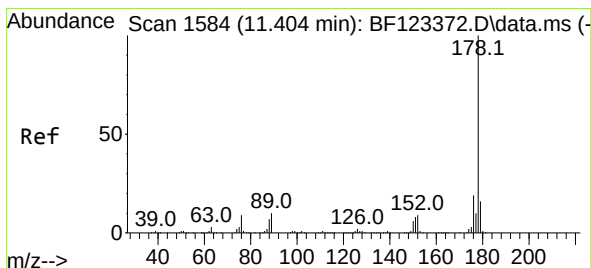
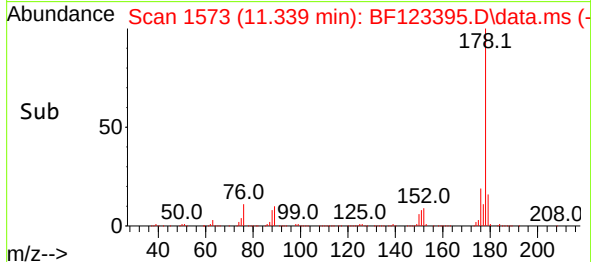
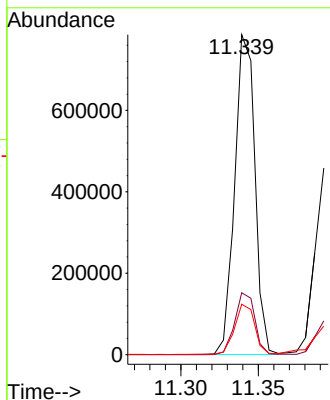
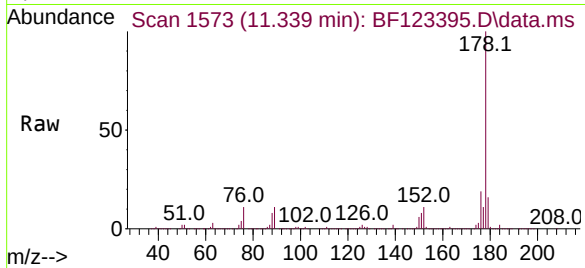




#71
Phenanthrene
Concen: 20.66 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

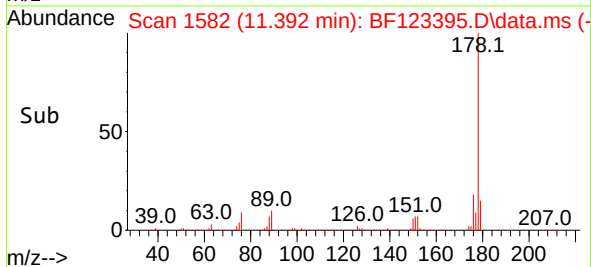
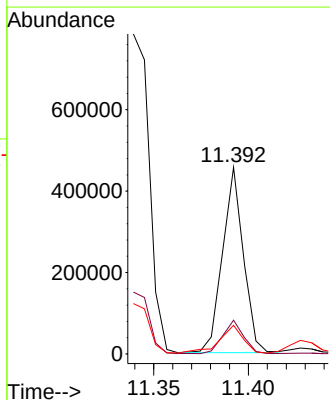
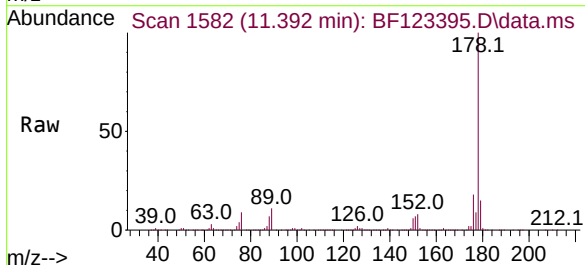
Instrument :
BNA_F
ClientSampleId :
TP-7A

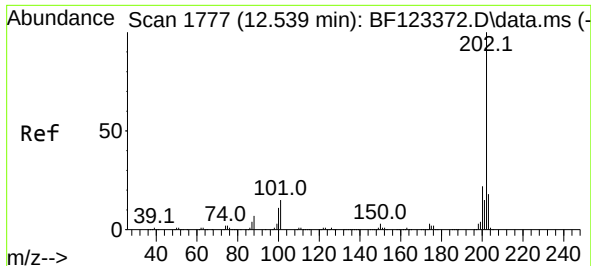
Tgt Ion:178 Resp: 712831
Ion Ratio Lower Upper
178 100
176 19.4 16.2 24.2
179 15.8 12.7 19.1



#72
Anthracene
Concen: 10.07 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

Tgt Ion:178 Resp: 349461
Ion Ratio Lower Upper
178 100
176 18.0 15.6 23.4
179 15.3 12.8 19.2

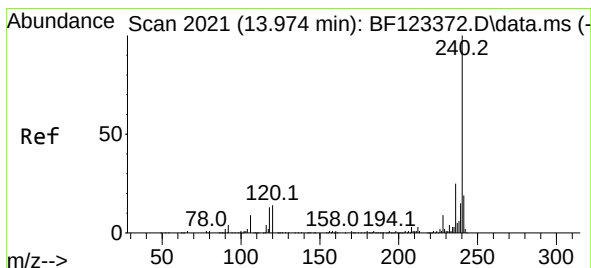
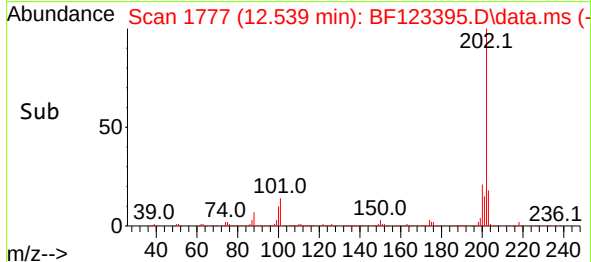
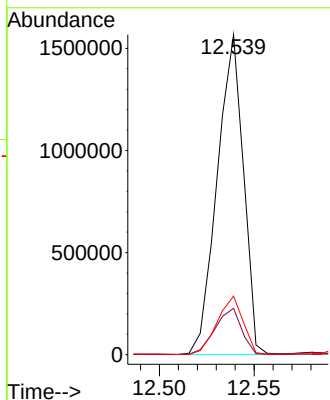
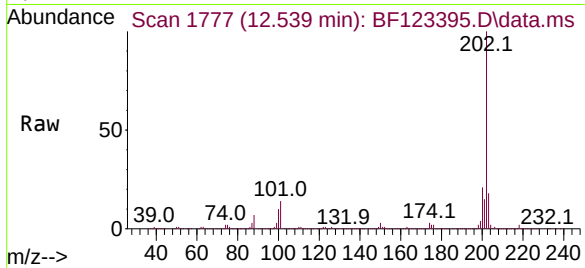




#75
Fluoranthene
Concen: 68.93 ng
RT: 12.539 min Scan# 1777
Delta R.T. 0.000 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

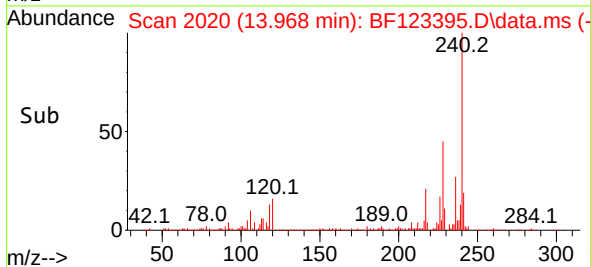
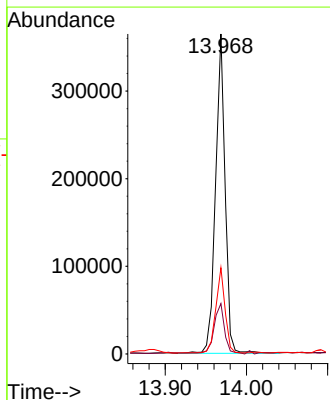
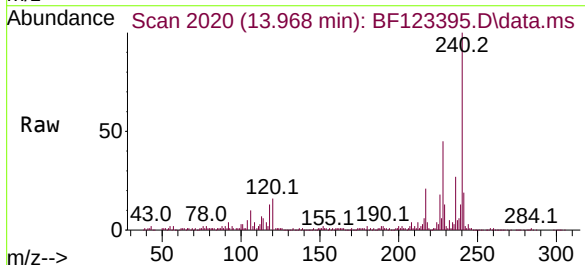
Instrument :
BNA_F
ClientSampleId :
TP-7A

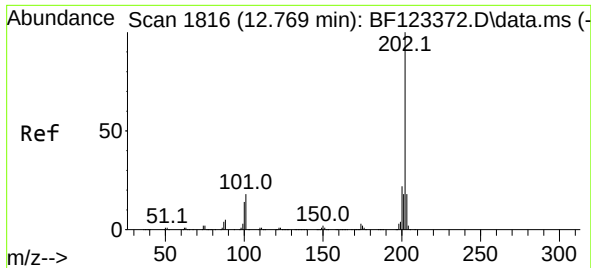
Tgt Ion:202 Resp: 1507942
Ion Ratio Lower Upper
202 100
101 14.5 0.0 32.2
203 18.3 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

Tgt Ion:240 Resp: 298421
Ion Ratio Lower Upper
240 100
120 15.8 8.6 12.8#
236 27.0 20.3 30.5

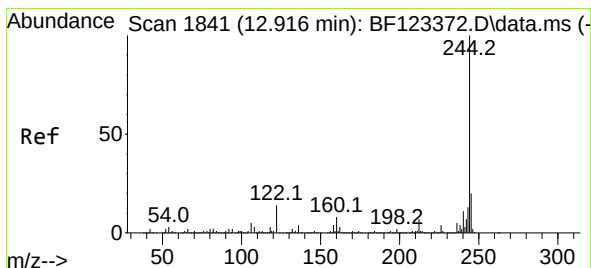
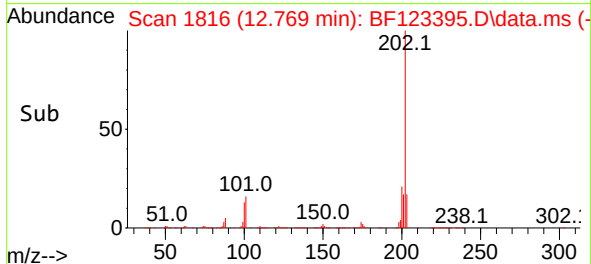
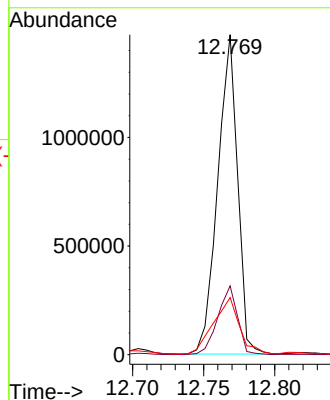
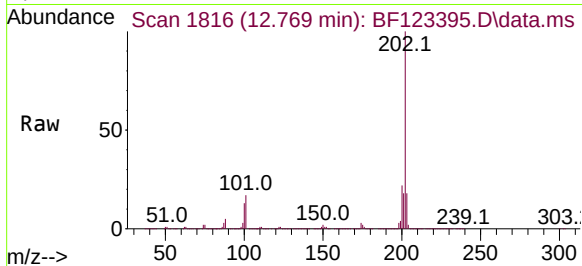




#78
Pyrene
Concen: 52.16 ng
RT: 12.769 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

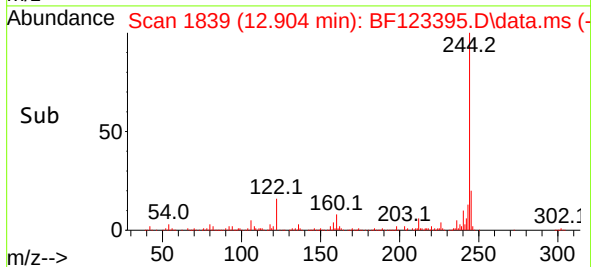
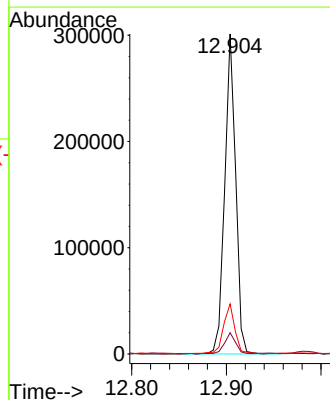
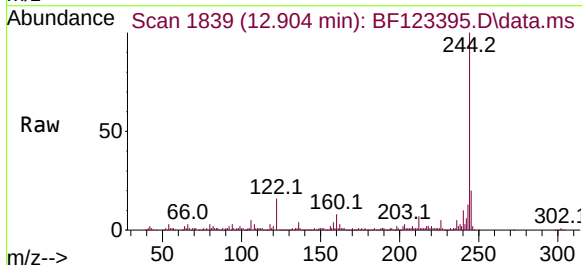
Instrument :
BNA_F
ClientSampleId :
TP-7A

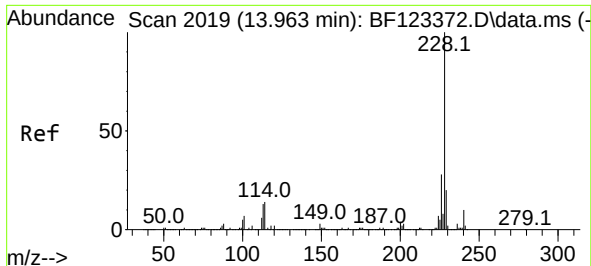
Tgt Ion:202 Resp: 1427884
Ion Ratio Lower Upper
202 100
200 21.5 17.6 26.4
203 17.8 14.6 21.8



#79
Terphenyl-d14
Concen: 15.87 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

Tgt Ion:244 Resp: 243159
Ion Ratio Lower Upper
244 100
212 6.6 5.7 8.5
122 15.6 8.3 12.5#

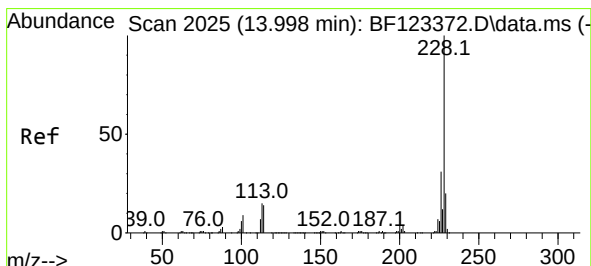
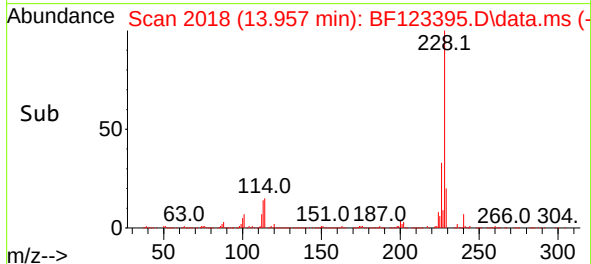
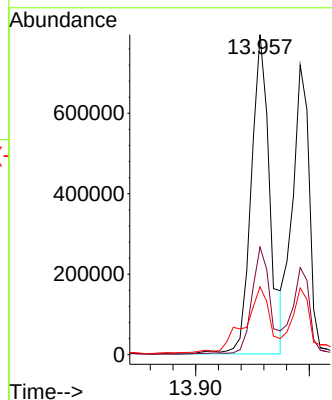
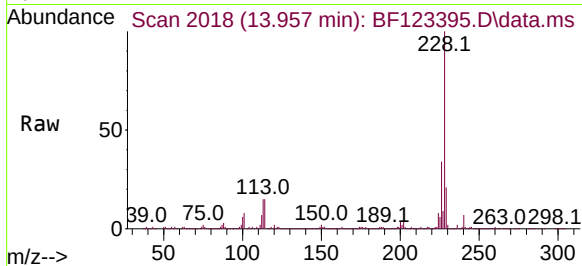




#81
Benzo(a)anthracene
Concen: 45.53 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

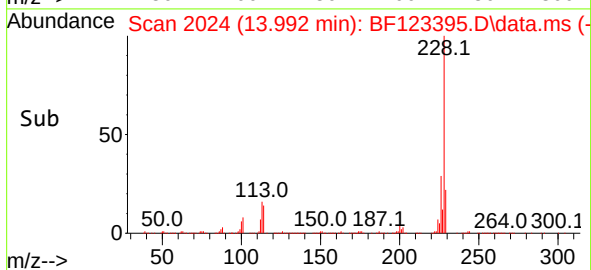
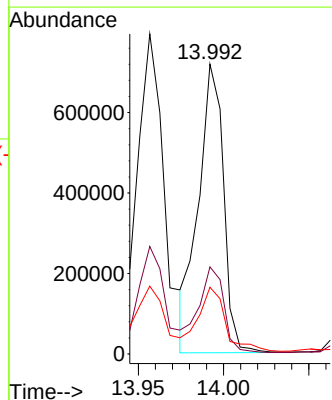
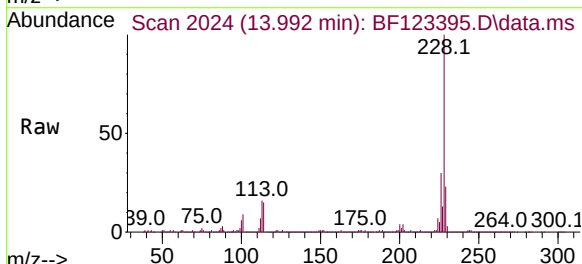
Instrument :
BNA_F
ClientSampleId :
TP-7A

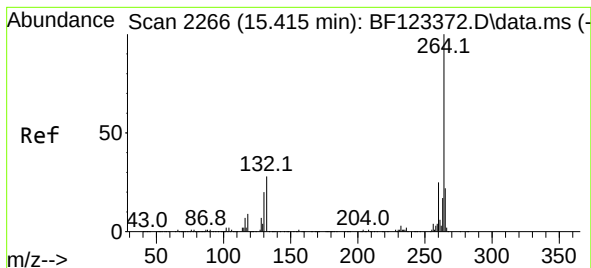
Tgt Ion:228 Resp: 895761
Ion Ratio Lower Upper
228 100
226 33.6 23.0 34.4
229 21.2 16.6 24.8



#83
Chrysene
Concen: 36.24 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

Tgt Ion:228 Resp: 736214
Ion Ratio Lower Upper
228 100
226 30.1 24.6 36.8
229 23.0 15.8 23.6

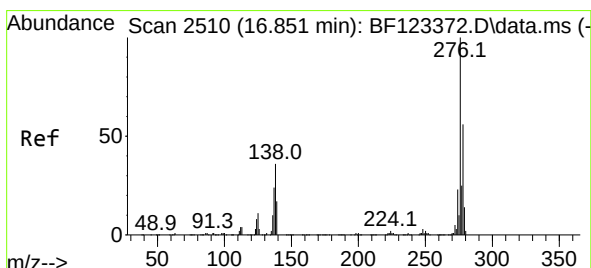
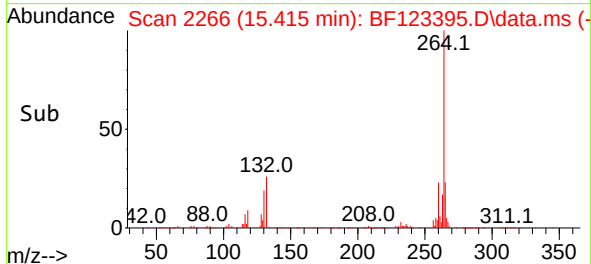
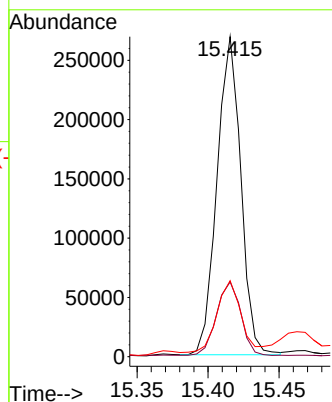
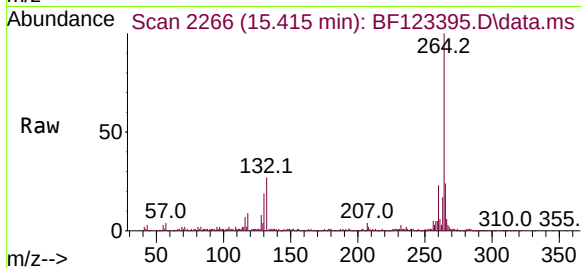




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.415 min Scan# 2266
Delta R.T. 0.000 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

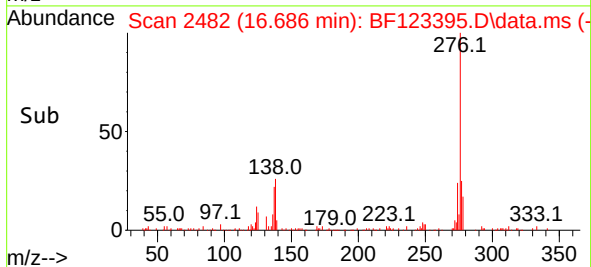
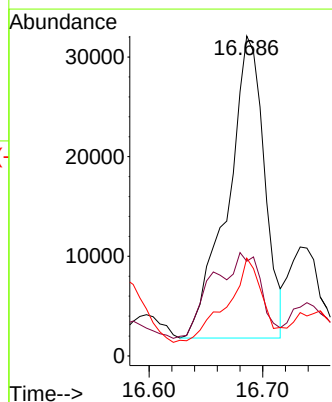
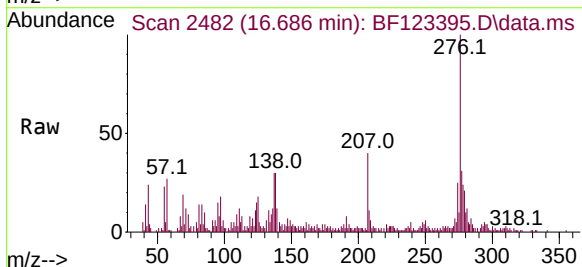
Instrument :
BNA_F
ClientSampled :
TP-7A

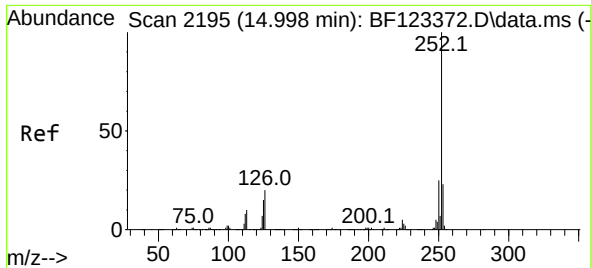
Tgt Ion:264 Resp: 312834
Ion Ratio Lower Upper
264 100
260 23.4 18.6 28.0
265 23.8 17.0 25.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.26 ng
RT: 16.686 min Scan# 2482
Delta R.T. -0.165 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

Tgt Ion:276 Resp: 68280
Ion Ratio Lower Upper
276 100
138 21.0 18.7 28.1
277 27.5 20.2 30.4

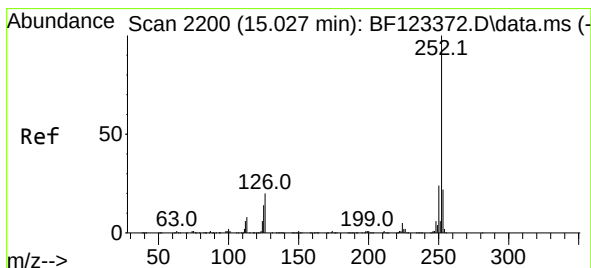
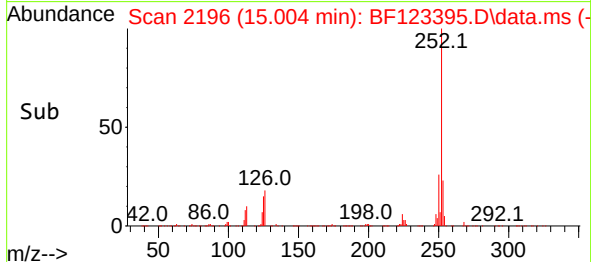
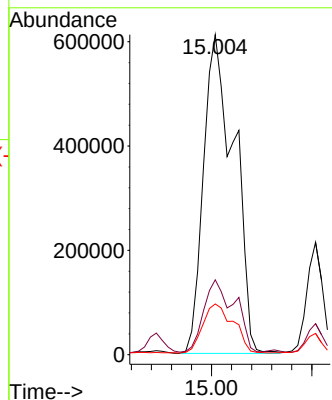
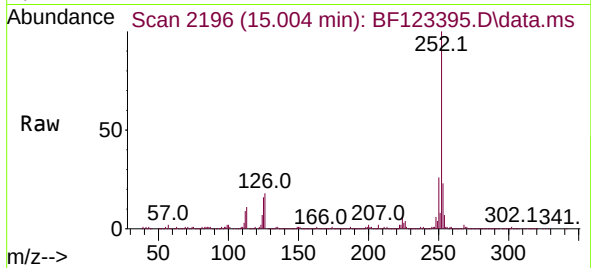




#88
Benzo(b)fluoranthene
Concen: 57.94 ng
RT: 15.004 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

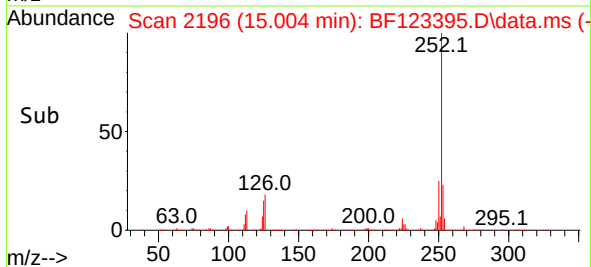
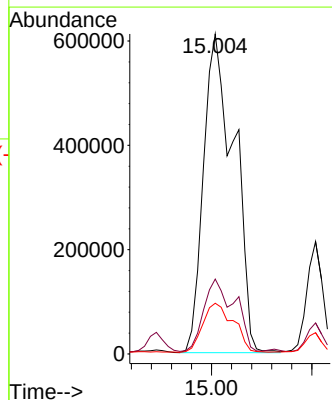
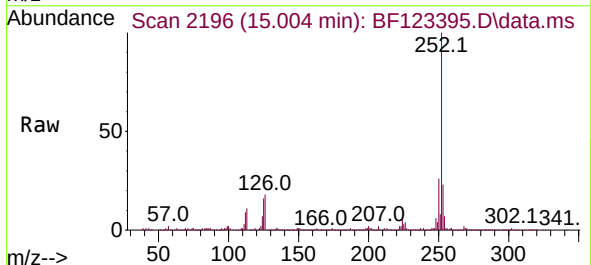
Instrument :
BNA_F
ClientSampleId :
TP-7A

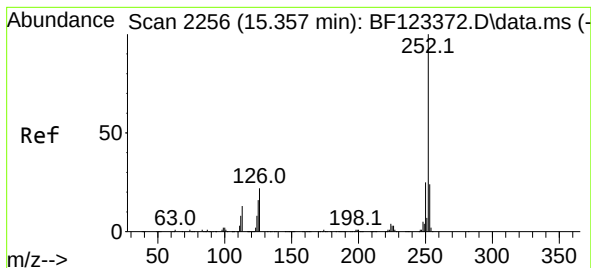
Tgt Ion:252 Resp: 1302493
Ion Ratio Lower Upper
252 100
253 23.4 18.3 27.5
125 15.9 8.1 12.1#



#89
Benzo(k)fluoranthene
Concen: 64.68 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.024 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

Tgt Ion:252 Resp: 1302493
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 15.9 8.4 12.6#

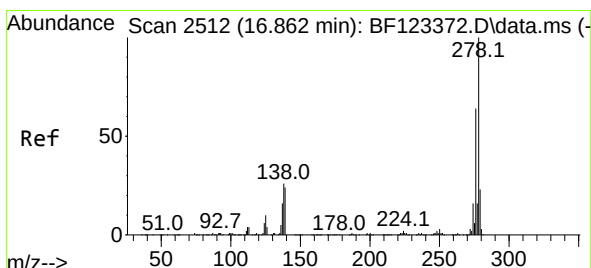
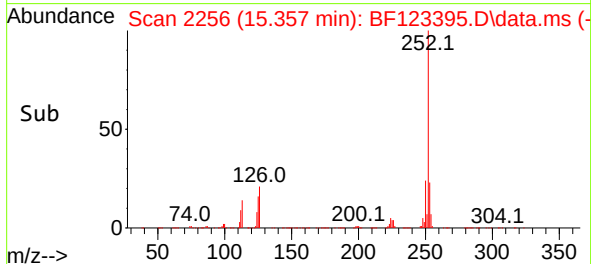
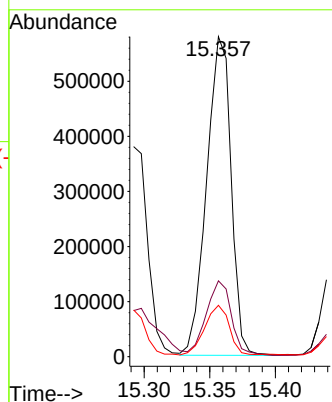
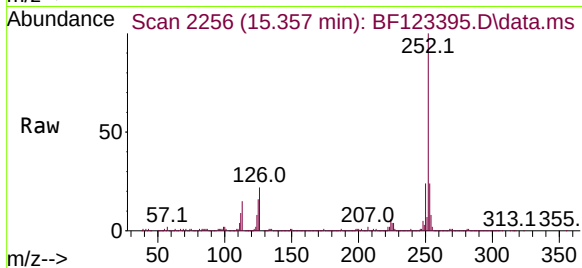




#90
Benzo(a)pyrene
Concen: 37.89 ng
RT: 15.357 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

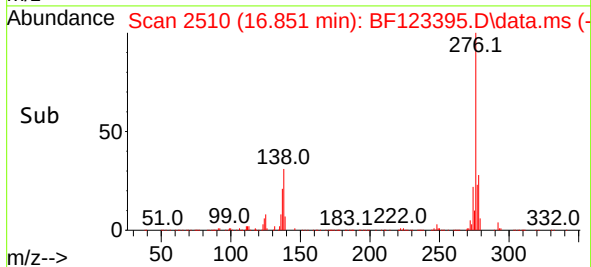
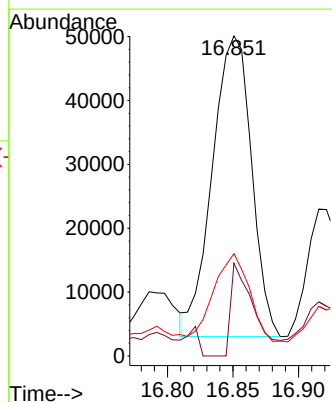
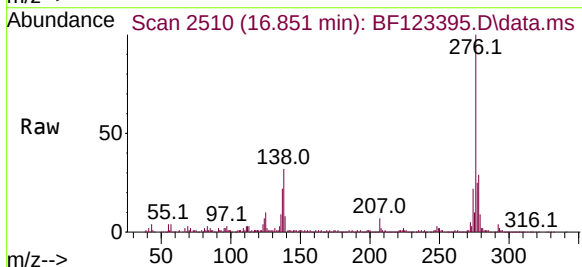
Instrument :
BNA_F
ClientSampleId :
TP-7A

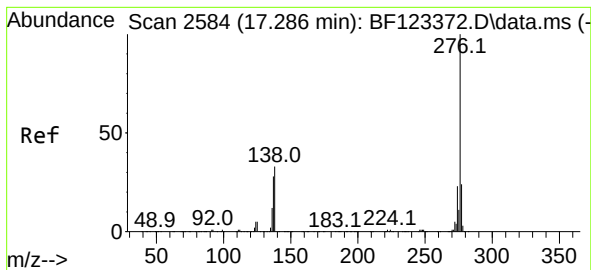
Tgt Ion:252 Resp: 751343
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 16.1 8.6 12.8#



#91
Dibenzo(a,h)anthracene
Concen: 5.65 ng
RT: 16.851 min Scan# 2510
Delta R.T. -0.012 min
Lab File: BF123395.D
Acq: 18 Mar 2021 21:31

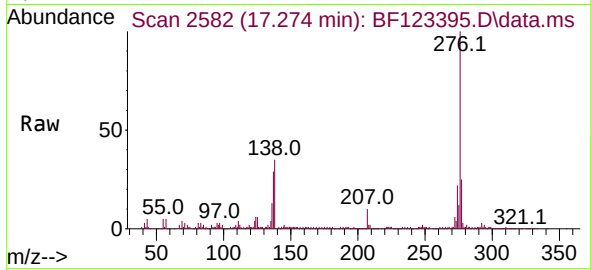
Tgt Ion:278 Resp: 97893
Ion Ratio Lower Upper
278 100
139 28.9 12.0 18.0#
279 32.0 19.4 29.2#





#92
 Benzo(g,h,i)perylene
 Concen: 15.14 ng
 RT: 17.274 min Scan# 2582
 Delta R.T. -0.012 min
 Lab File: BF123395.D
 Acq: 18 Mar 2021 21:31

Instrument :
 BNA_F
 ClientSampleId :
 TP-7A



Tgt Ion: 276 Resp: 278670
 Ion Ratio Lower Upper
 276 100
 277 24.5 19.3 28.9
 138 34.6 16.6 24.8#

