

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031821\
 Data File : BF123394.D
 Acq On : 18 Mar 2021 20:59
 Operator : JU/CG
 Sample : M1713-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6A

Quant Time: Mar 19 00:20:23 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)

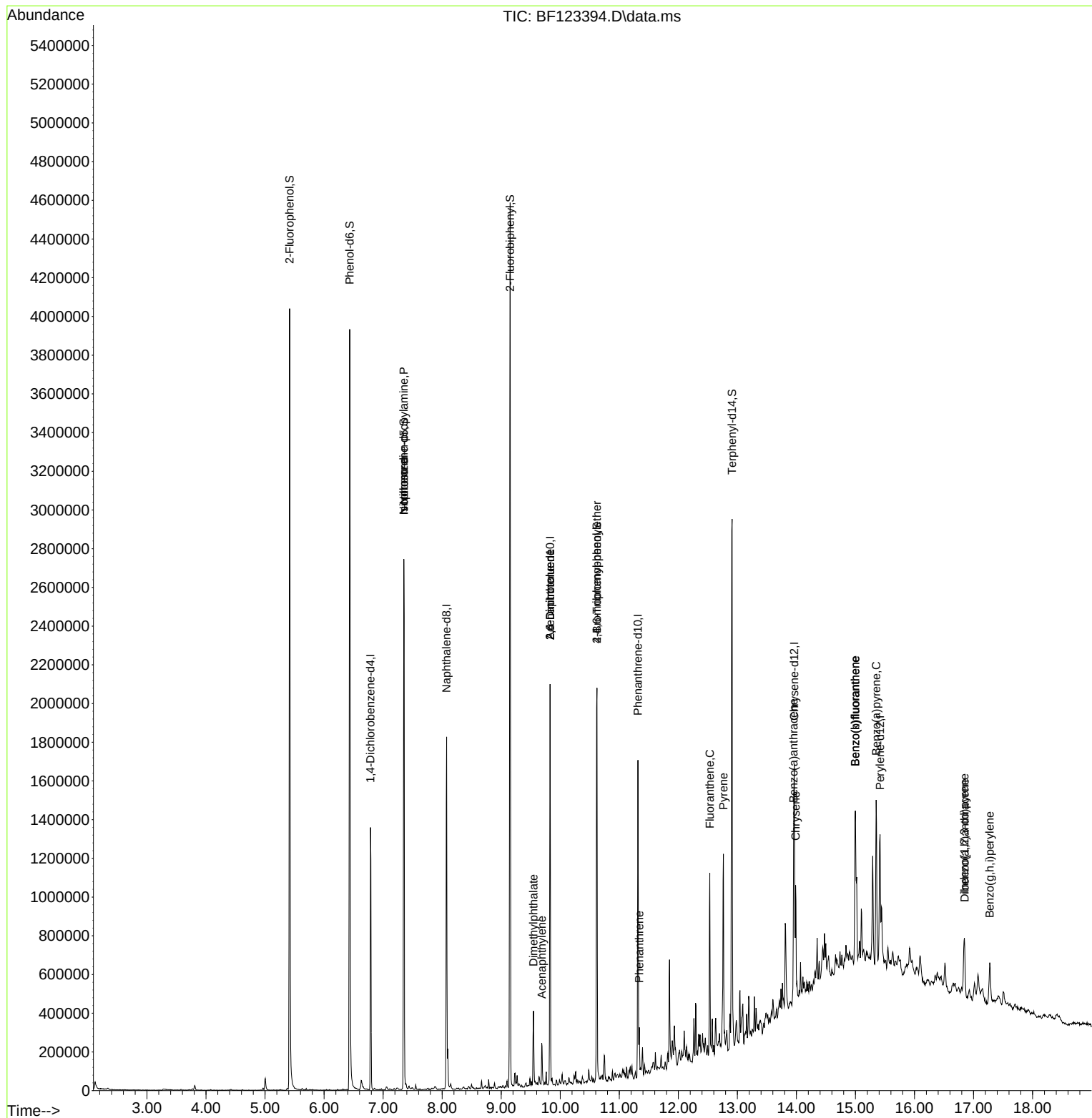
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	206706	20.00	ng	0.00
21) Naphthalene-d8	8.075	136	831487	20.00	ng	# 0.00
39) Acenaphthene-d10	9.827	164	399939	20.00	ng	0.00
64) Phenanthrene-d10	11.316	188	546269	20.00	ng	# 0.00
76) Chrysene-d12	13.962	240	321775	20.00	ng	#-0.01
86) Perylene-d12	15.415	264	293452	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	1243677	85.44	ng	0.00
7) Phenol-d6	6.433	99	1475827	78.06	ng	-0.01
23) Nitrobenzene-d5	7.351	82	914147	64.57	ng	-0.01
42) 2,4,6-Tribromophenol	10.621	330	223154	79.84	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1418119	69.64	ng	0.00
79) Terphenyl-d14	12.910	244	947513	57.34	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.363	77	931	Below Cal	#	63
19) n-Nitroso-di-n-propyla...	7.351	70	116467	11.22 ng	#	83
20) 3+4-Methylphenols	7.233	107	7219	Below Cal	#	59
25) Isophorone	7.351	82	911189	31.01 ng	#	65
49) Acenaphthylene	9.686	152	97883	2.45 ng		97
50) Dimethylphthalate	9.545	163	138468	4.90 ng	#	98
51) 2,6-Dinitrotoluene	9.827	165	52630	7.82 ng	#	31
55) Dibenzofuran	10.033	168	13788	Below Cal		94
57) 2,4-Dinitrotoluene	9.827	165	52630	6.13 ng	#	25
58) Fluorene	10.563	166	3638	Below Cal		85
67) 4-Bromophenyl-phenylether	10.621	248	14978	2.88 ng	#	1
71) Phenanthrene	11.339	178	85646	2.57 ng		95
75) Fluoranthene	12.533	202	351589	9.41 ng		97
78) Pyrene	12.762	202	405375	13.73 ng		99
81) Benzo(a)anthracene	13.951	228	264081	12.45 ng		94
83) Chrysene	13.986	228	256582	11.71 ng		97
87) Indeno(1,2,3-cd)pyrene	16.845	276	188449	9.58 ng	#	89
88) Benzo(b)fluoranthene	14.998	252	598798	28.39 ng	#	92
89) Benzo(k)fluoranthene	14.998	252	598798	31.70 ng	#	92
90) Benzo(a)pyrene	15.351	252	391587	21.05 ng	#	91
91) Dibenzo(a,h)anthracene	16.850	278	53039	3.27 ng	#	76
92) Benzo(g,h,i)perylene	17.274	276	157644	9.13 ng	#	87

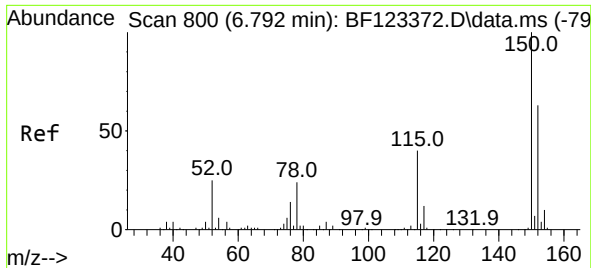
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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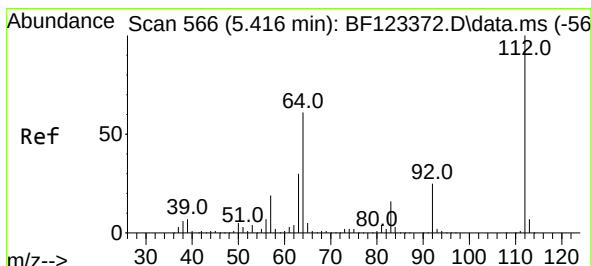
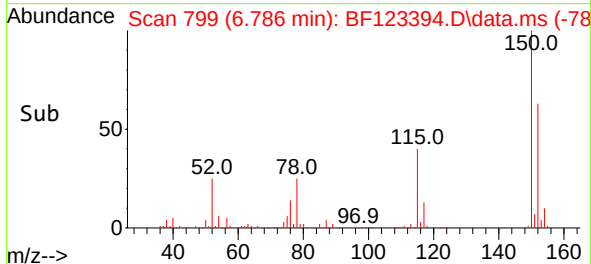
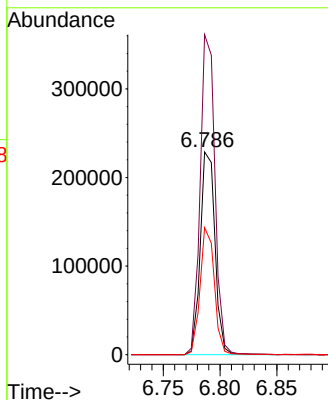
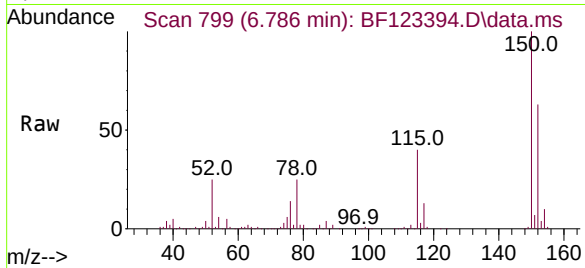




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.786 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: BF123394.D
 Acq: 18 Mar 2021 20:59

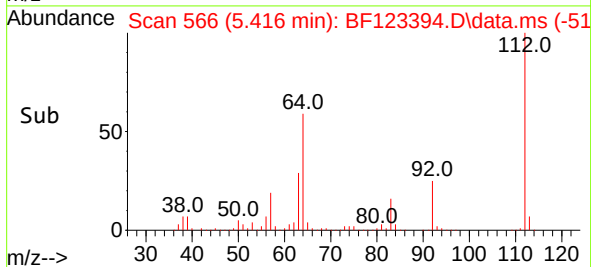
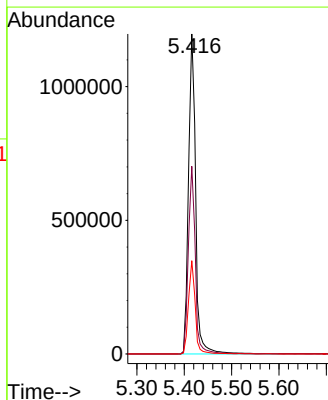
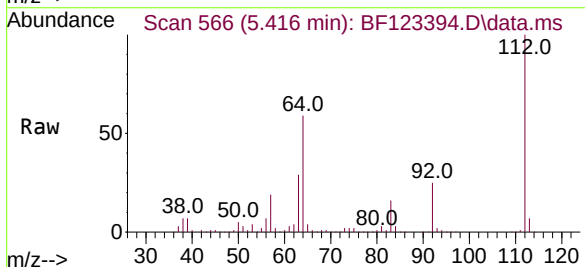
Instrument :
 BNA_F
 ClientSampled :
 TP-6A

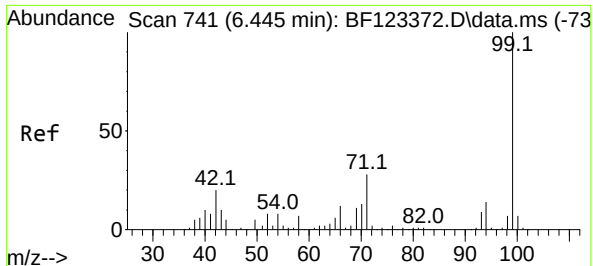
Tgt Ion:152 Resp: 206706
 Ion Ratio Lower Upper
 152 100
 150 157.9 125.8 188.6
 115 62.7 49.3 73.9



#5
 2-Fluorophenol
 Concen: 85.44 ng
 RT: 5.416 min Scan# 566
 Delta R.T. -0.000 min
 Lab File: BF123394.D
 Acq: 18 Mar 2021 20:59

Tgt Ion:112 Resp: 1243677
 Ion Ratio Lower Upper
 112 100
 64 58.6 46.9 70.3
 63 29.1 24.5 36.7

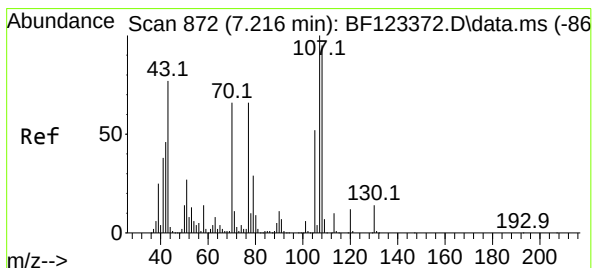
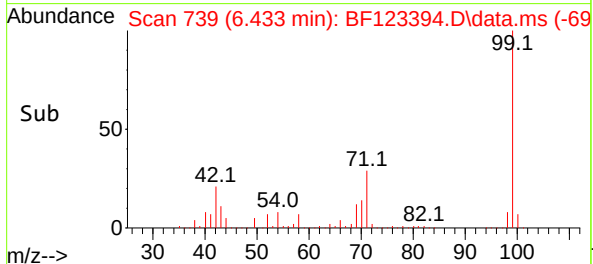
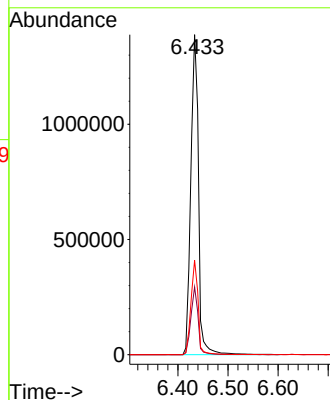
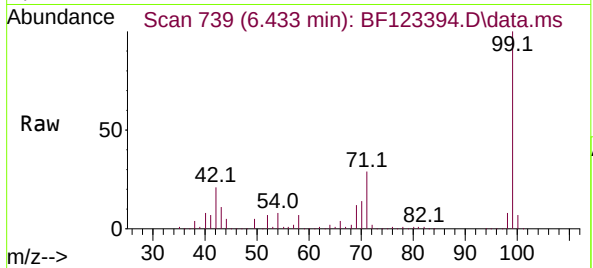




#7
Phenol-d6
Concen: 78.06 ng
RT: 6.433 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF123394.D
Acq: 18 Mar 2021 20:59

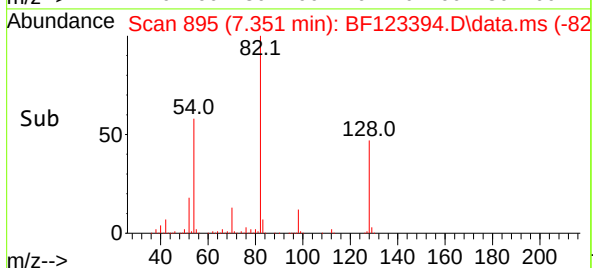
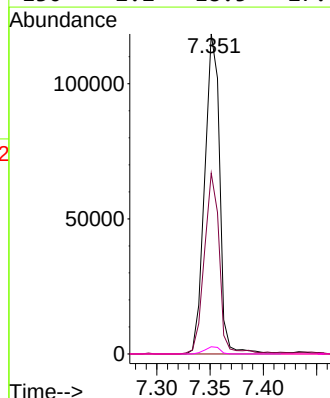
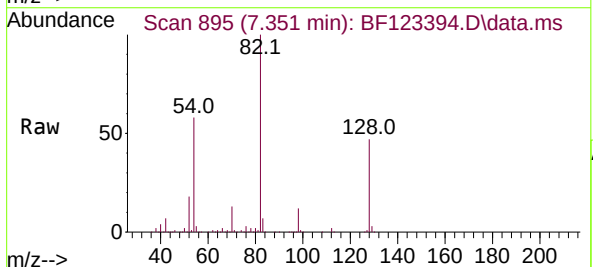
Instrument :
BNA_F
ClientSampled :
TP-6A

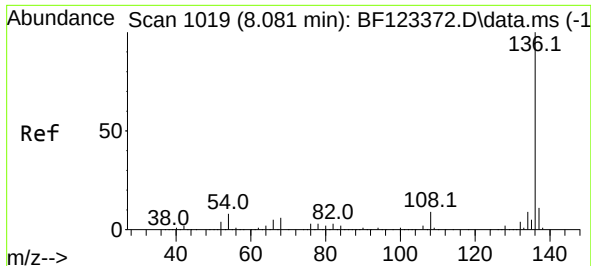
Tgt Ion: 99 Resp: 1475827
Ion Ratio Lower Upper
99 100
42 21.1 13.8 20.6#
71 29.5 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 11.22 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF123394.D
Acq: 18 Mar 2021 20:59

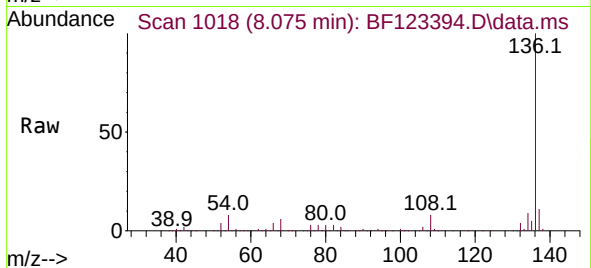
Tgt Ion: 70 Resp: 116467
Ion Ratio Lower Upper
70 100
42 56.5 43.0 64.4
101 0.0 7.9 11.9#
130 2.2 18.5 27.7#



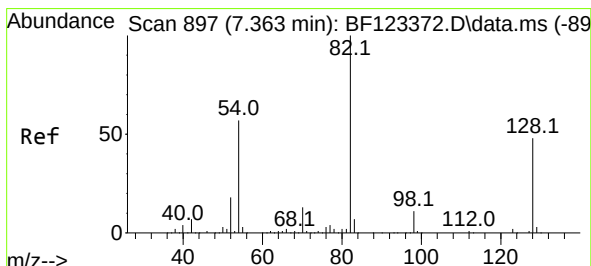
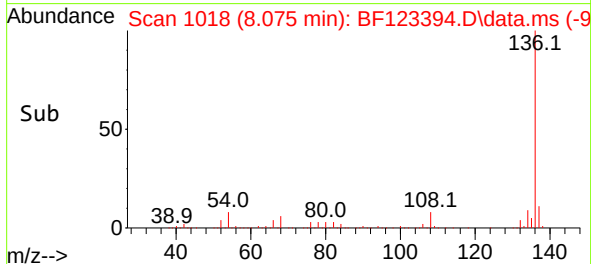
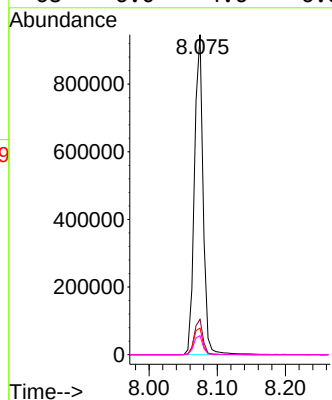


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF123394.D
Acq: 18 Mar 2021 20:59

Instrument :
BNA_F
ClientSampled :
TP-6A

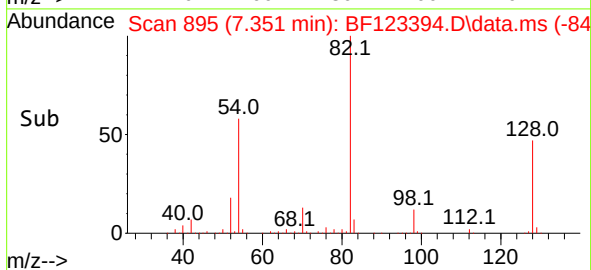
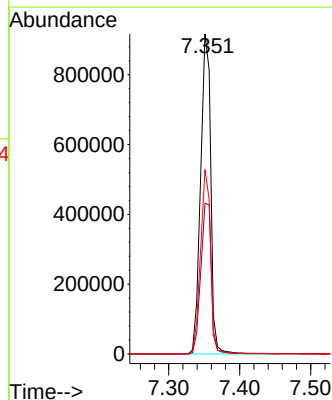
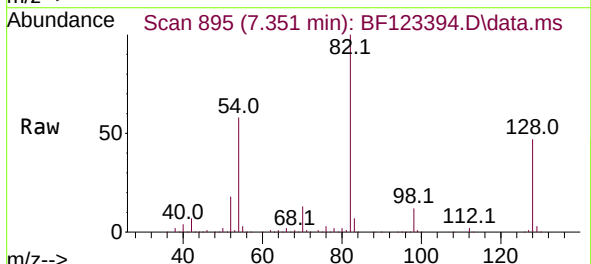


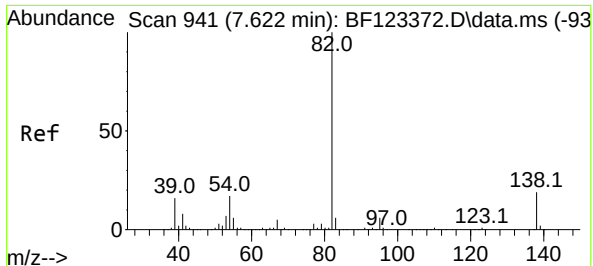
Tgt Ion:136 Resp: 831487
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.3 5.5 8.3#
68 6.0 4.6 6.8



#23
Nitrobenzene-d5
Concen: 64.57 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF123394.D
Acq: 18 Mar 2021 20:59

Tgt Ion: 82 Resp: 914147
Ion Ratio Lower Upper
82 100
128 47.1 37.0 55.4
54 57.6 38.4 57.6#

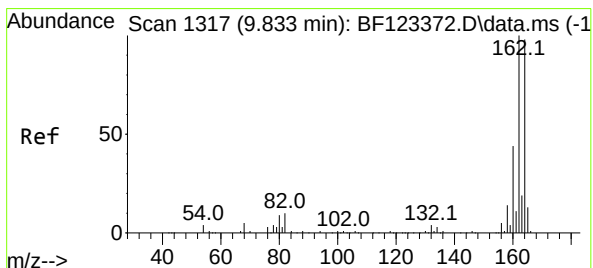
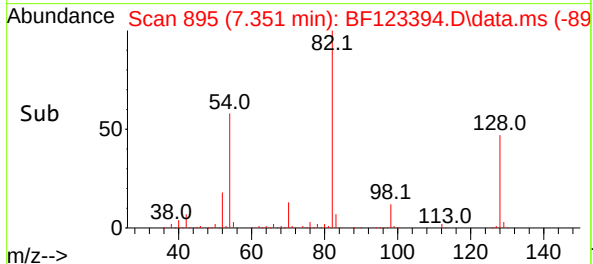
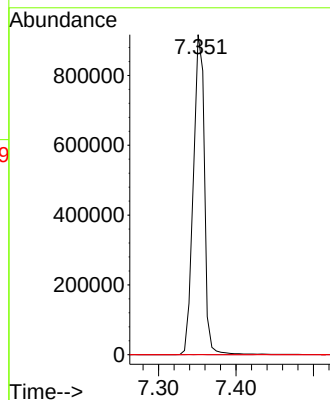
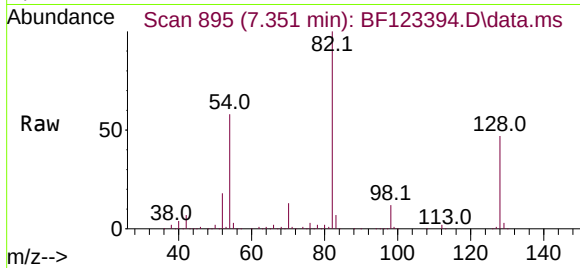




#25
Isophorone
Concen: 31.01 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF123394.D
Acq: 18 Mar 2021 20:59

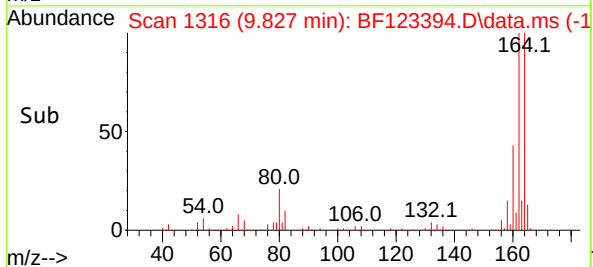
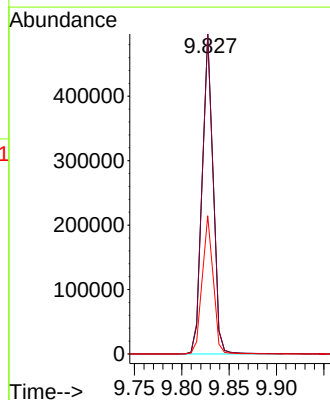
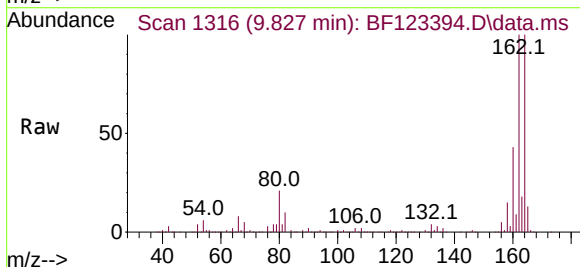
Instrument :
BNA_F
ClientSampleId :
TP-6A

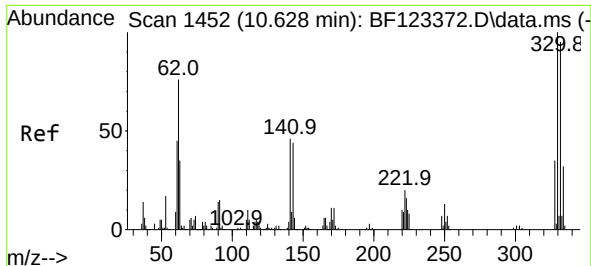
Tgt Ion: 82 Resp: 911189
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.827 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF123394.D
Acq: 18 Mar 2021 20:59

Tgt Ion:164 Resp: 399939
Ion Ratio Lower Upper
164 100
162 100.1 80.8 121.2
160 43.2 35.4 53.0

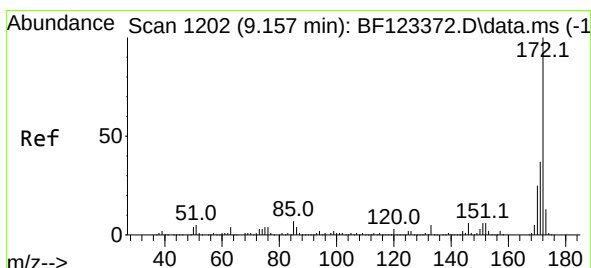
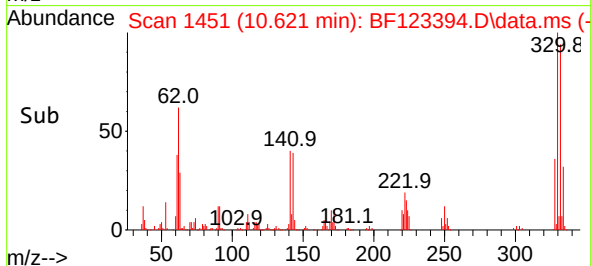
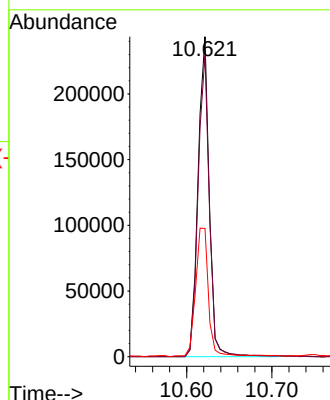
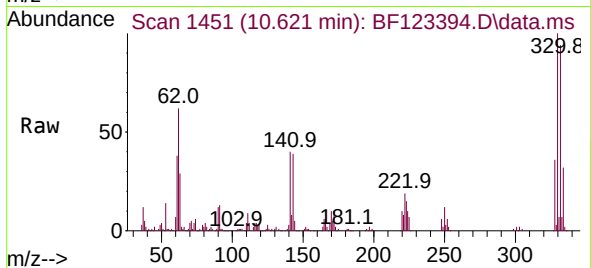




#42
2,4,6-Tribromophenol
Concen: 79.84 ng
RT: 10.621 min Scan# 1451
Delta R.T. -0.007 min
Lab File: BF123394.D
Acq: 18 Mar 2021 20:59

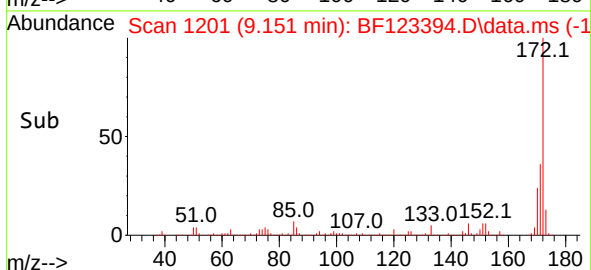
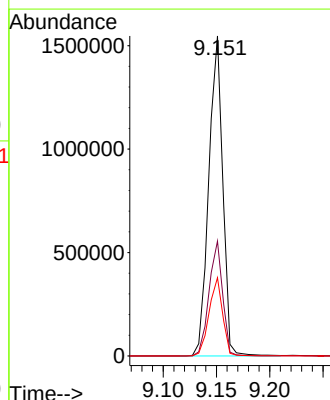
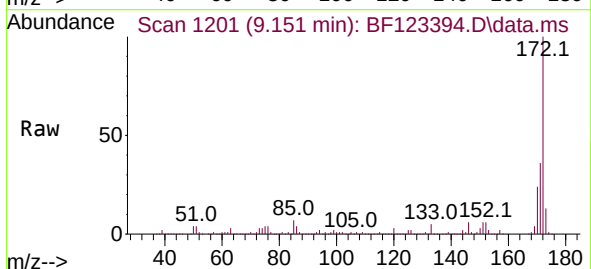
Instrument :
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ClientSampled :
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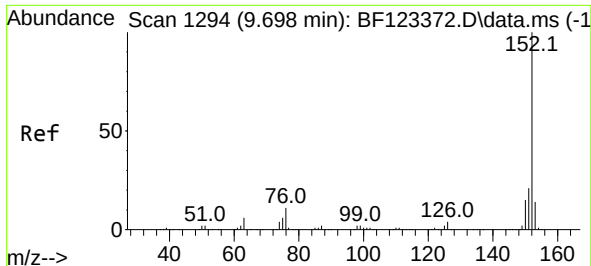
Tgt Ion: 330 Resp: 223154
Ion Ratio Lower Upper
330 100
332 94.9 77.5 116.3
141 45.7 23.8 35.8#



#45
2-Fluorobiphenyl
Concen: 69.64 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF123394.D
Acq: 18 Mar 2021 20:59

Tgt Ion: 172 Resp: 1418119
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
170 24.5 19.5 29.3





#49

Acenaphthylene

Concen: 2.45 ng

RT: 9.686 min Scan# 1292

Delta R.T. -0.012 min

Lab File: BF123394.D

Acq: 18 Mar 2021 20:59

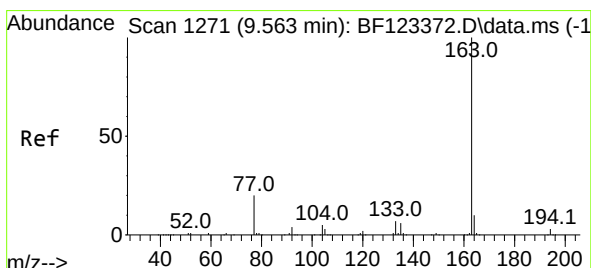
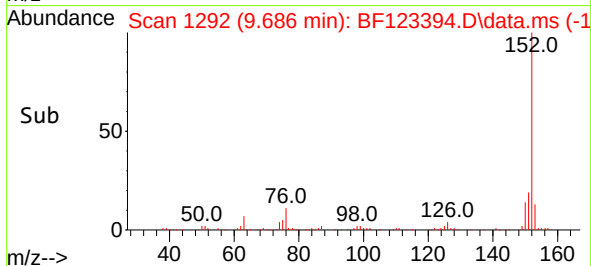
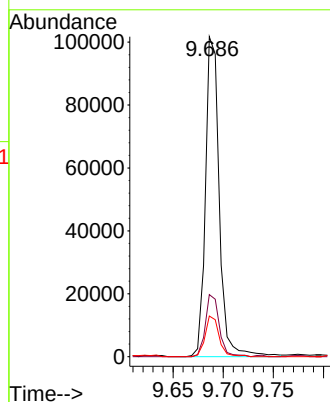
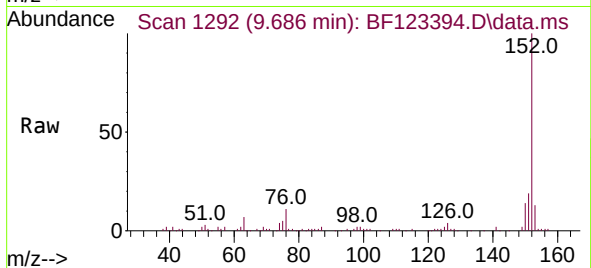
Tgt Ion:152 Resp: 97883

Ion Ratio Lower Upper

152 100

151 19.4 16.6 25.0

153 12.7 10.9 16.3



#50

Dimethylphthalate

Concen: 4.90 ng

RT: 9.545 min Scan# 1268

Delta R.T. -0.018 min

Lab File: BF123394.D

Acq: 18 Mar 2021 20:59

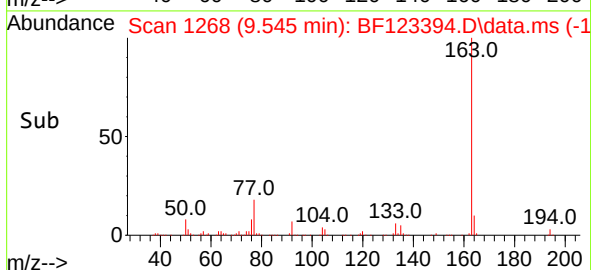
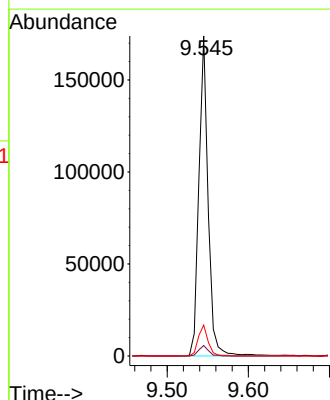
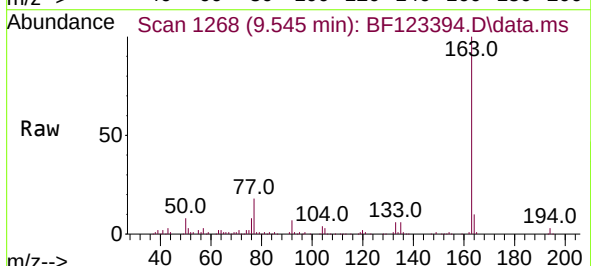
Tgt Ion:163 Resp: 138468

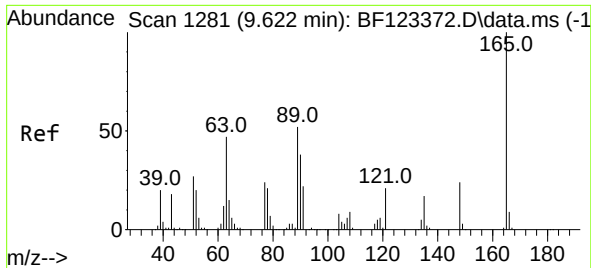
Ion Ratio Lower Upper

163 100

194 3.2 3.4 5.0#

164 9.7 8.1 12.1

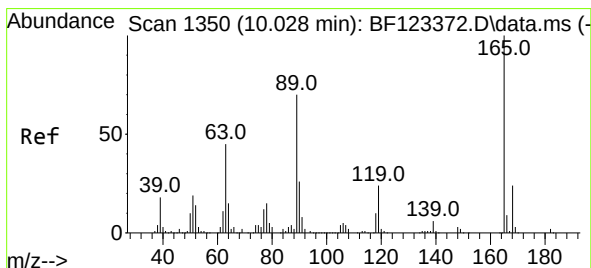
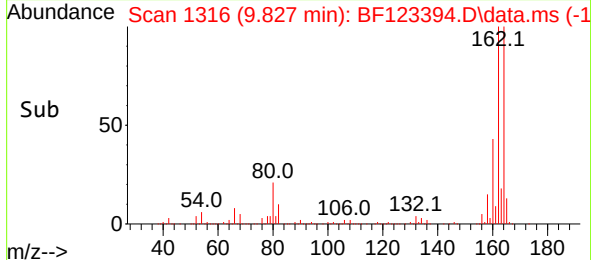
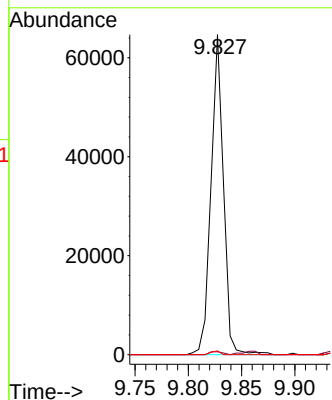
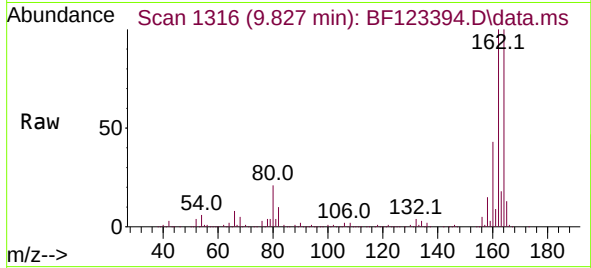




#51
2,6-Dinitrotoluene
Concen: 7.82 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF123394.D
Acq: 18 Mar 2021 20:59

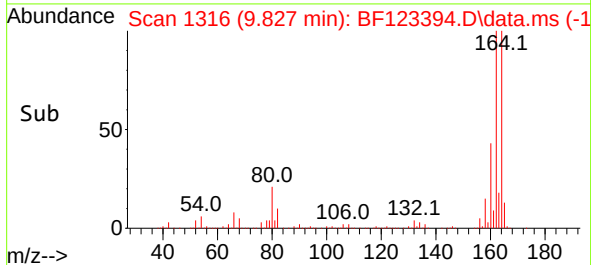
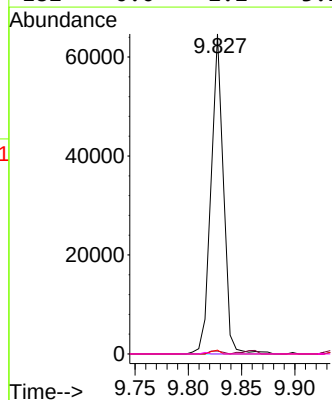
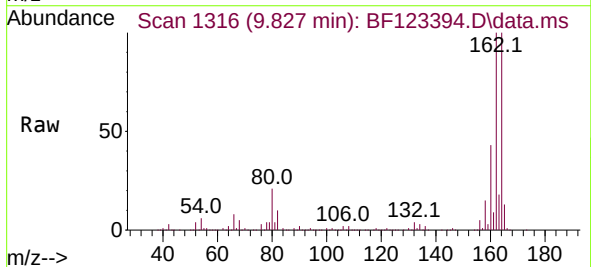
Instrument :
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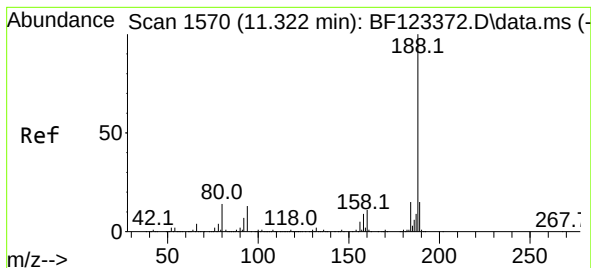
Tgt Ion:165 Resp: 52630
Ion Ratio Lower Upper
165 100
63 0.9 36.6 55.0#
89 1.2 39.4 59.0#



#57
2,4-Dinitrotoluene
Concen: 6.13 ng
RT: 9.827 min Scan# 1316
Delta R.T. -0.201 min
Lab File: BF123394.D
Acq: 18 Mar 2021 20:59

Tgt Ion:165 Resp: 52630
Ion Ratio Lower Upper
165 100
63 0.9 34.3 51.5#
89 1.2 55.2 82.8#
182 0.0 2.2 3.2#

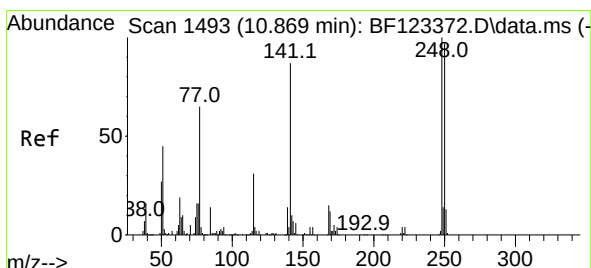
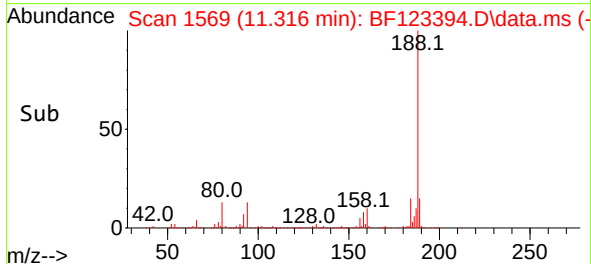
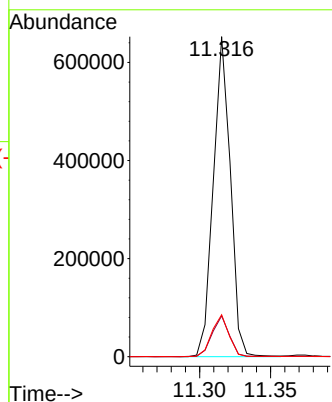
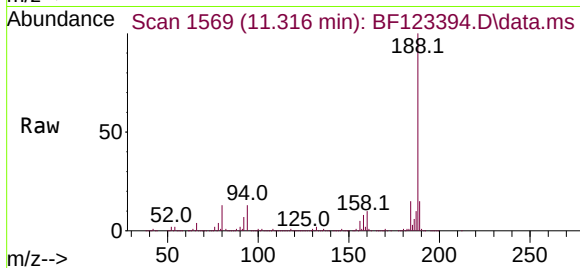




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF123394.D
Acq: 18 Mar 2021 20:59

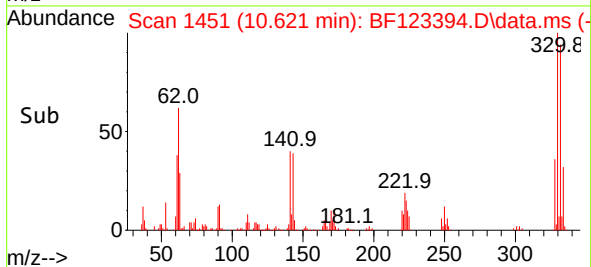
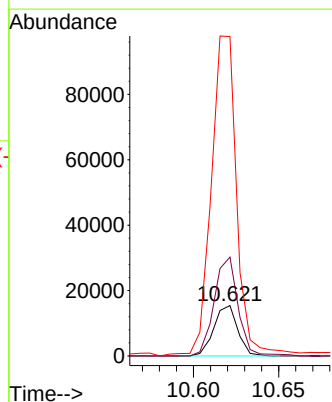
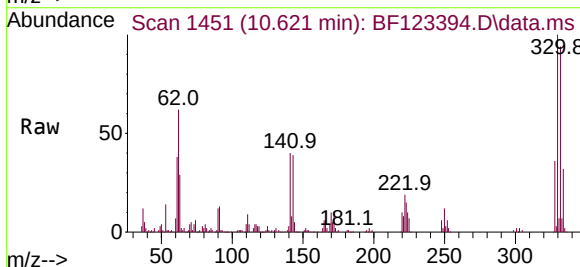
Instrument :
BNA_F
ClientSampled :
TP-6A

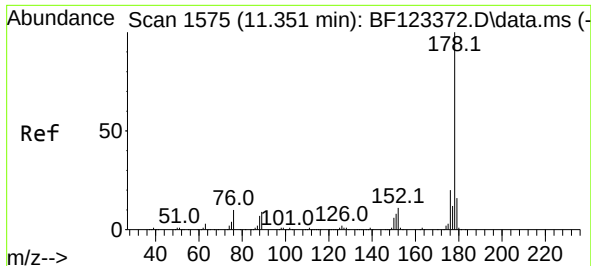
Tgt Ion:188 Resp: 546269
Ion Ratio Lower Upper
188 100
94 12.8 7.4 11.2#
80 13.1 8.2 12.4#



#67
4-Bromophenyl-phenylether
Concen: 2.88 ng
RT: 10.621 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF123394.D
Acq: 18 Mar 2021 20:59

Tgt Ion:248 Resp: 14978
Ion Ratio Lower Upper
248 100
250 195.9 76.8 115.2#
141 633.0 59.8 89.8#

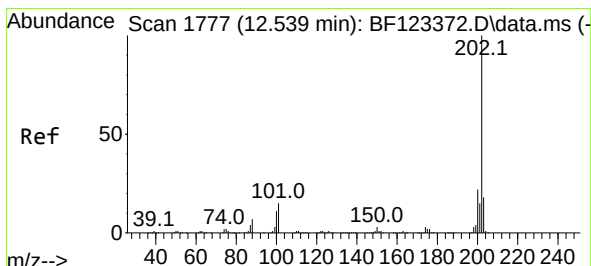
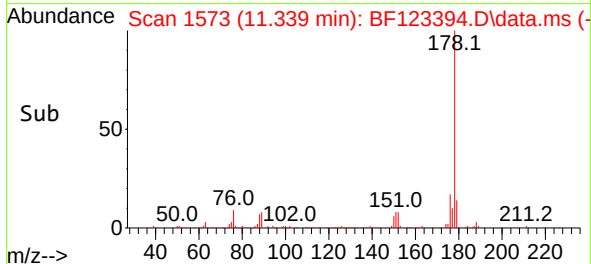
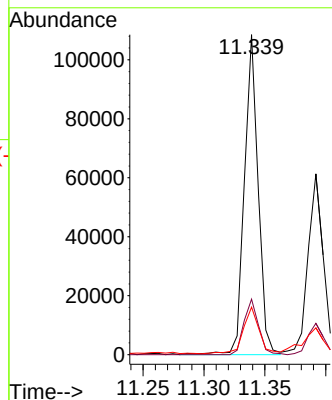
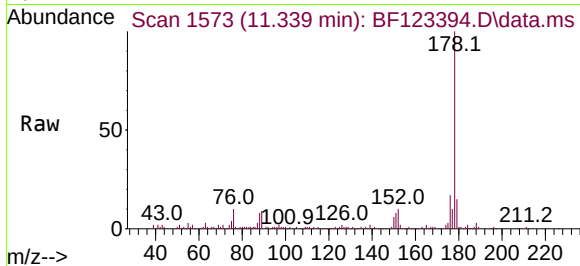




#71
Phenanthrene
Concen: 2.57 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF123394.D
Acq: 18 Mar 2021 20:59

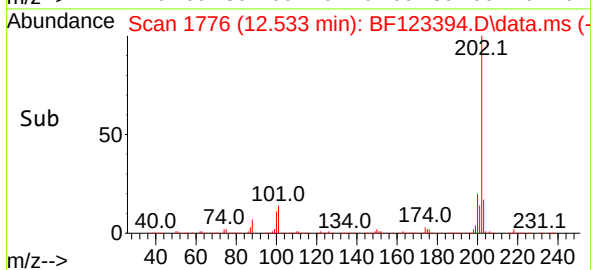
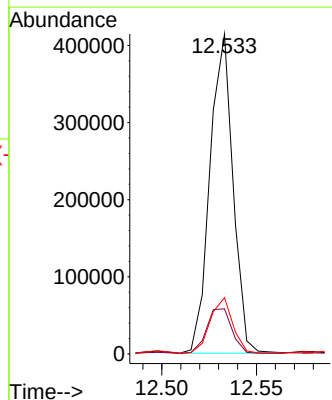
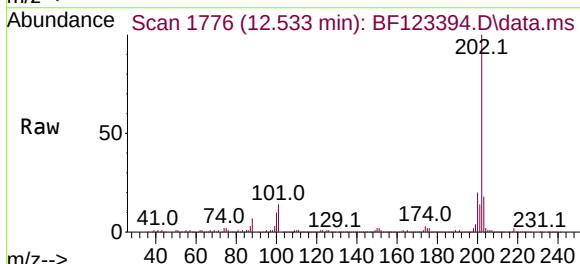
Instrument :
BNA_F
ClientSampled :
TP-6A

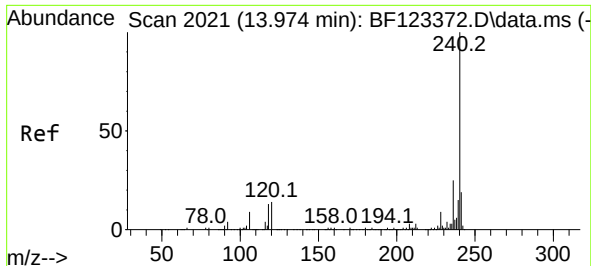
Tgt Ion:178 Resp: 85646
Ion Ratio Lower Upper
178 100
176 17.3 16.2 24.2
179 14.9 12.7 19.1



#75
Fluoranthene
Concen: 9.41 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF123394.D
Acq: 18 Mar 2021 20:59

Tgt Ion:202 Resp: 351589
Ion Ratio Lower Upper
202 100
101 14.1 0.0 32.2
203 17.6 0.0 38.1

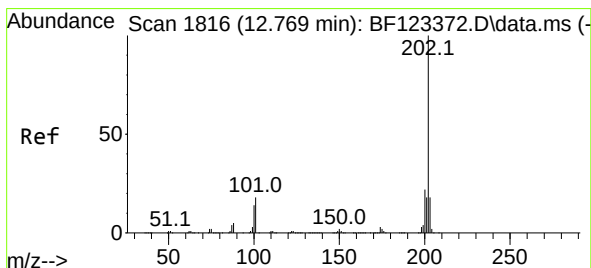
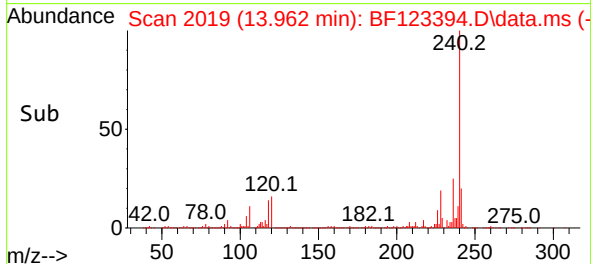
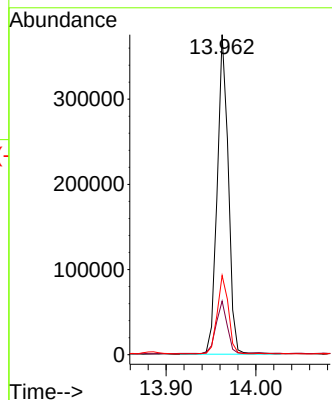
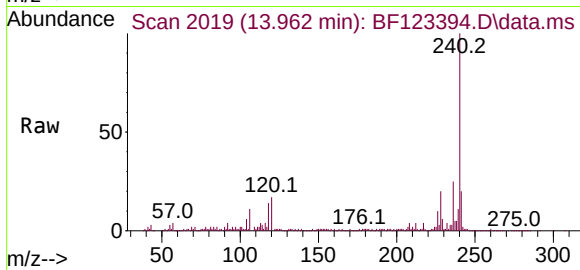




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF123394.D
Acq: 18 Mar 2021 20:59

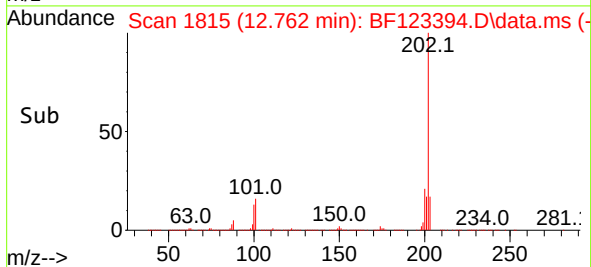
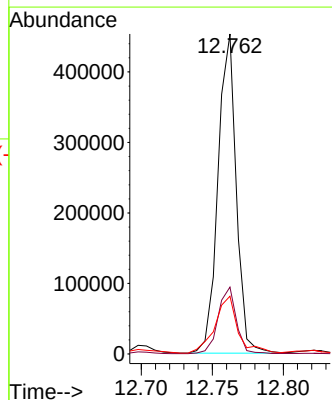
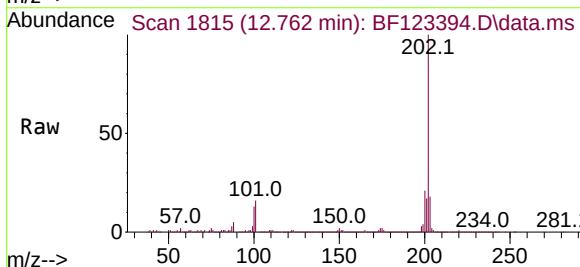
Instrument :
BNA_F
ClientSampled :
TP-6A

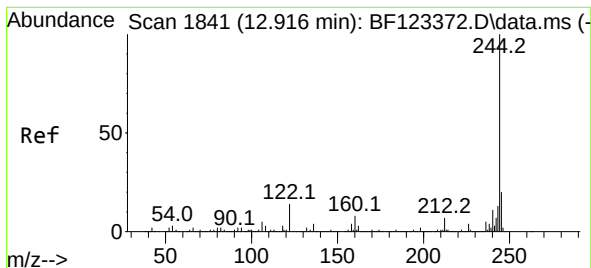
Tgt Ion:240 Resp: 321775
Ion Ratio Lower Upper
240 100
120 16.7 8.6 12.8#
236 24.8 20.3 30.5



#78
Pyrene
Concen: 13.73 ng
RT: 12.762 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF123394.D
Acq: 18 Mar 2021 20:59

Tgt Ion:202 Resp: 405375
Ion Ratio Lower Upper
202 100
200 20.9 17.6 26.4
203 18.0 14.6 21.8





#79

Terphenyl-d14

Concen: 57.34 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF123394.D

Acq: 18 Mar 2021 20:59

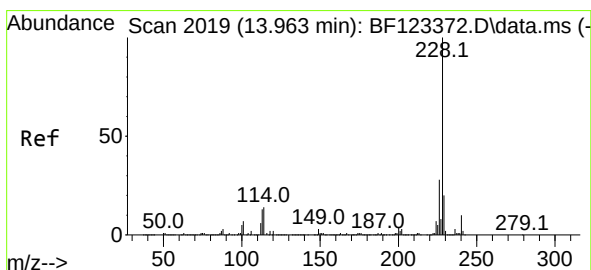
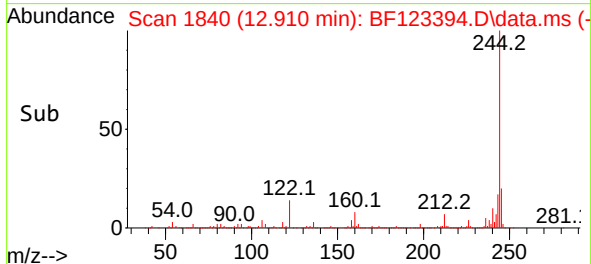
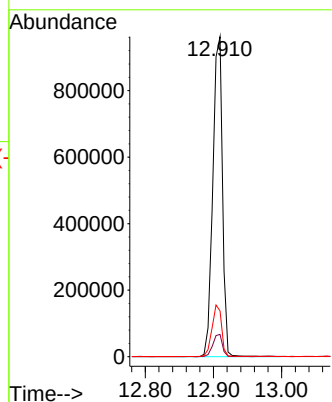
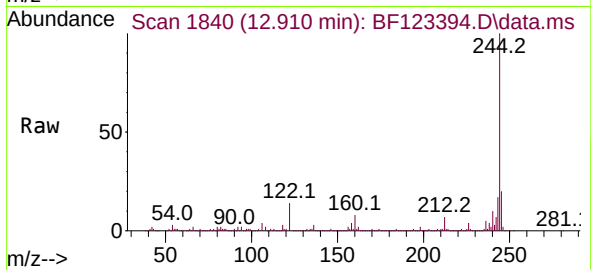
Tgt Ion:244 Resp: 947513

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 14.3 8.3 12.5#



#81

Benzo(a)anthracene

Concen: 12.45 ng

RT: 13.951 min Scan# 2017

Delta R.T. -0.012 min

Lab File: BF123394.D

Acq: 18 Mar 2021 20:59

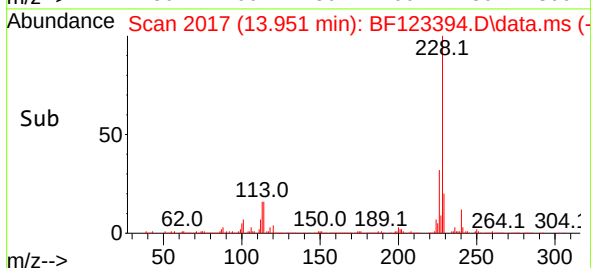
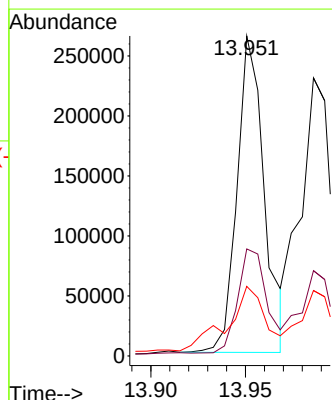
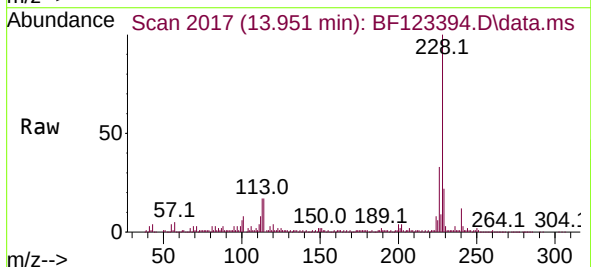
Tgt Ion:228 Resp: 264081

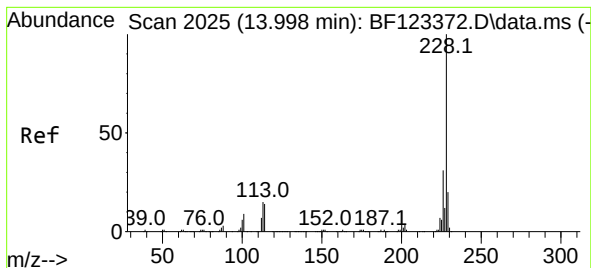
Ion Ratio Lower Upper

228 100

226 33.5 23.0 34.4

229 21.7 16.6 24.8





#83

Chrysene

Concen: 11.71 ng

RT: 13.986 min Scan# 2023

Delta R.T. -0.012 min

Lab File: BF123394.D

Acq: 18 Mar 2021 20:59

Tgt Ion:228 Resp: 256582

Ion Ratio Lower Upper

228 100

226 30.7 24.6 36.8

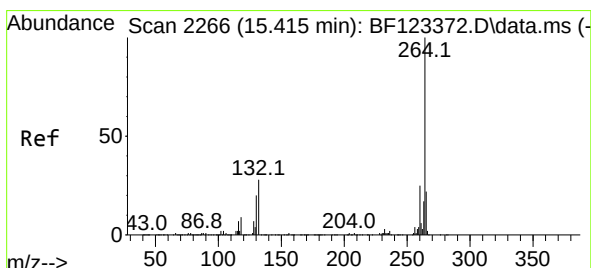
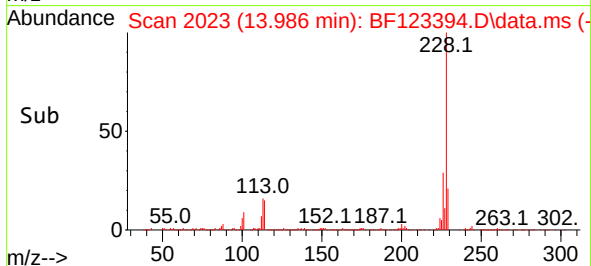
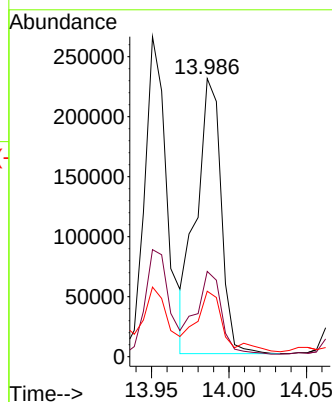
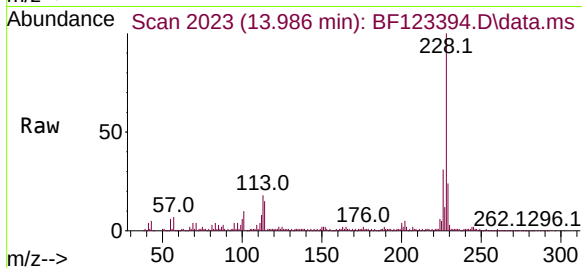
229 23.6 15.8 23.6

Instrument :

BNA_F

ClientSampleId :

TP-6A



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.415 min Scan# 2266

Delta R.T. -0.000 min

Lab File: BF123394.D

Acq: 18 Mar 2021 20:59

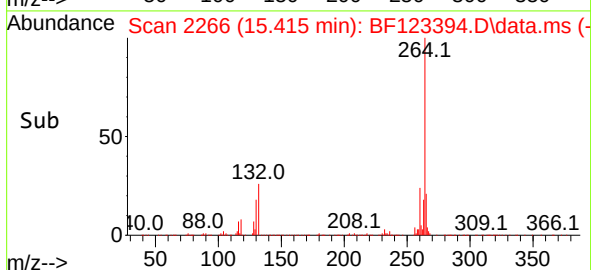
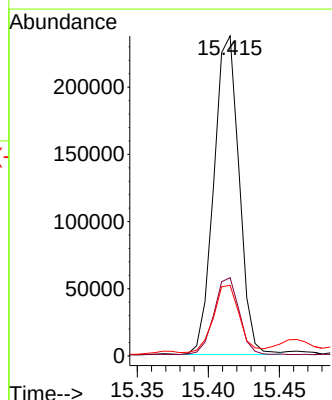
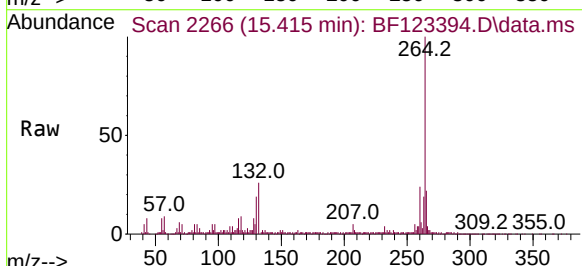
Tgt Ion:264 Resp: 293452

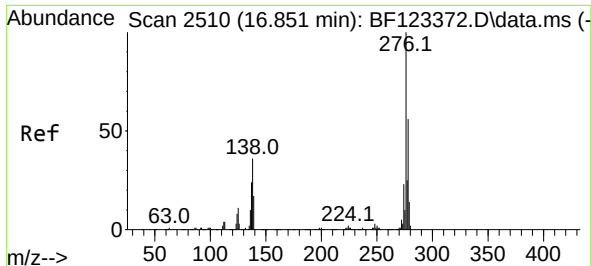
Ion Ratio Lower Upper

264 100

260 24.5 18.6 28.0

265 22.1 17.0 25.6

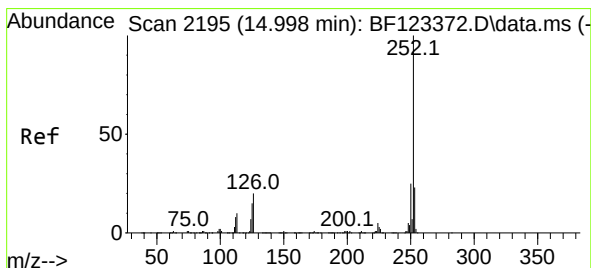
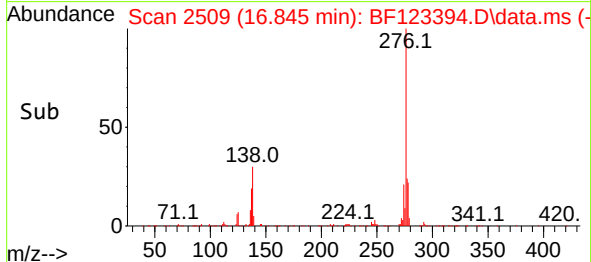
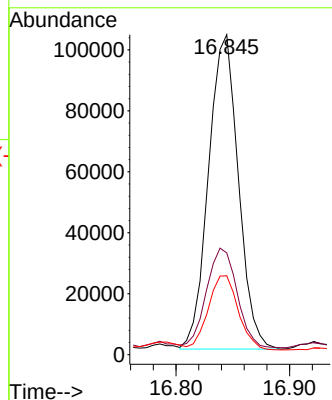
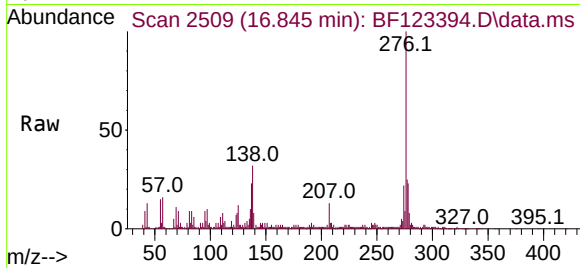




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.58 ng
RT: 16.845 min Scan# 2509
Delta R.T. -0.006 min
Lab File: BF123394.D
Acq: 18 Mar 2021 20:59

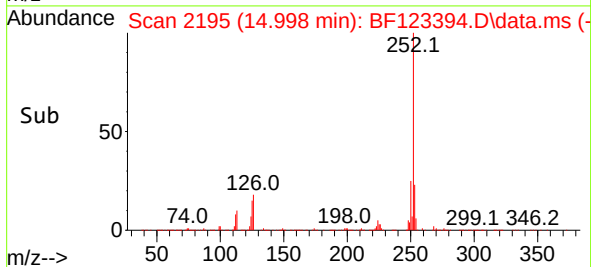
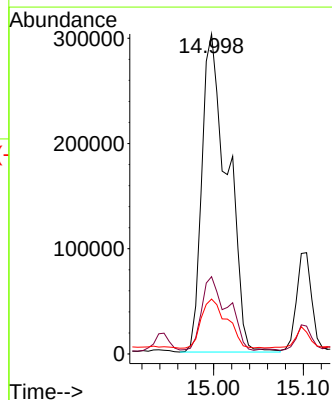
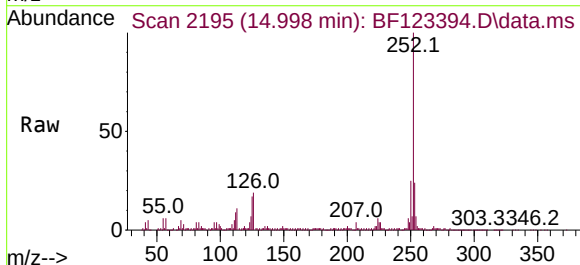
Instrument :
BNA_F
ClientSampled :
TP-6A

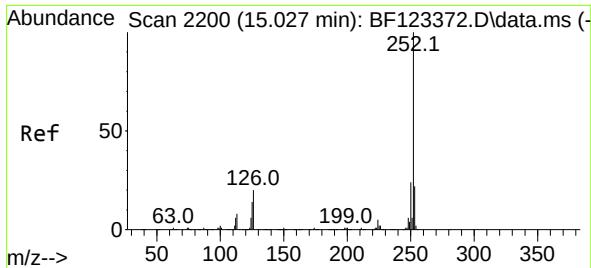
Tgt Ion:276 Resp: 188449
Ion Ratio Lower Upper
276 100
138 32.6 18.7 28.1#
277 23.8 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 28.39 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.000 min
Lab File: BF123394.D
Acq: 18 Mar 2021 20:59

Tgt Ion:252 Resp: 598798
Ion Ratio Lower Upper
252 100
253 24.1 18.3 27.5
125 17.2 8.1 12.1#

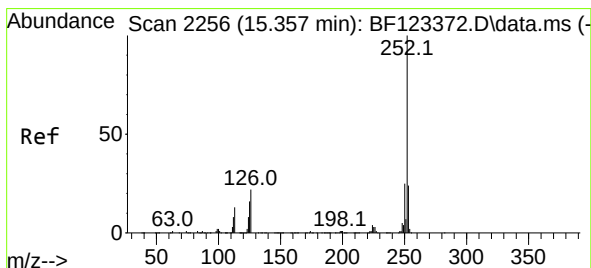
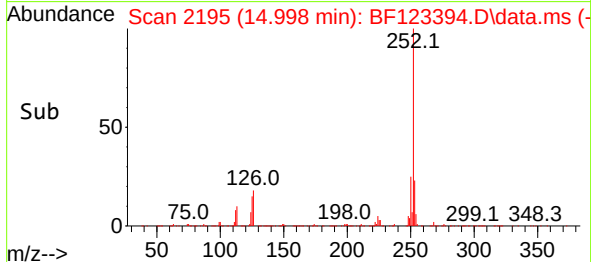
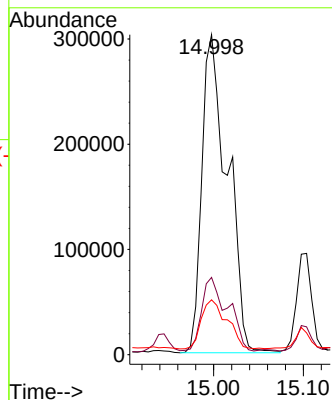
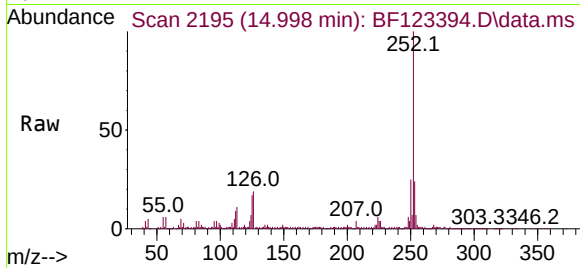




#89
Benzo(k)fluoranthene
Concen: 31.70 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.030 min
Lab File: BF123394.D
Acq: 18 Mar 2021 20:59

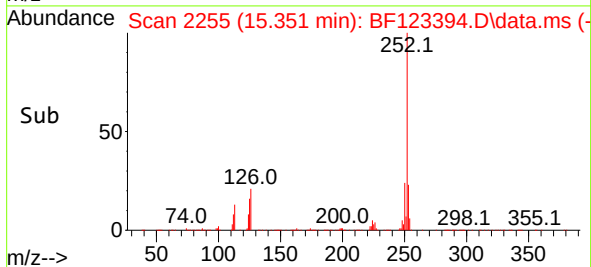
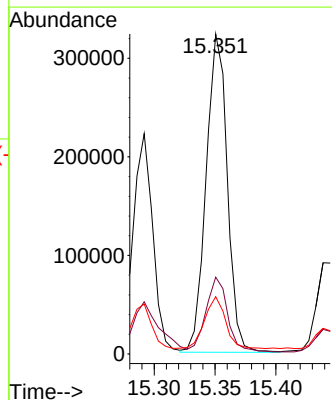
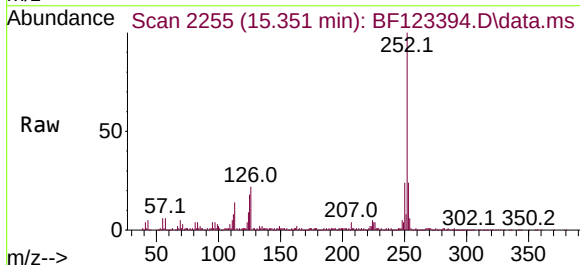
Instrument :
BNA_F
ClientSampled :
TP-6A

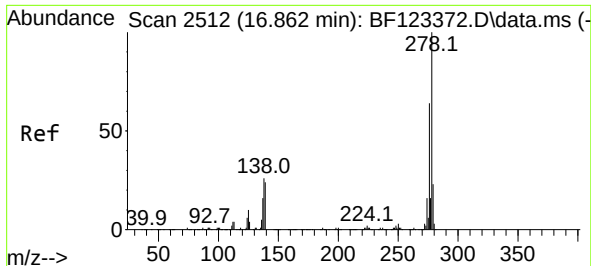
Tgt Ion:252 Resp: 598798
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.8
125 17.2 8.4 12.6#



#90
Benzo(a)pyrene
Concen: 21.05 ng
RT: 15.351 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF123394.D
Acq: 18 Mar 2021 20:59

Tgt Ion:252 Resp: 391587
Ion Ratio Lower Upper
252 100
253 24.0 17.5 26.3
125 17.9 8.6 12.8#

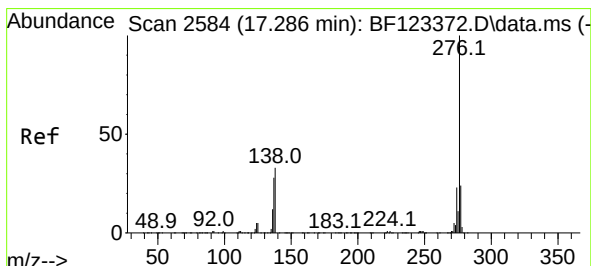
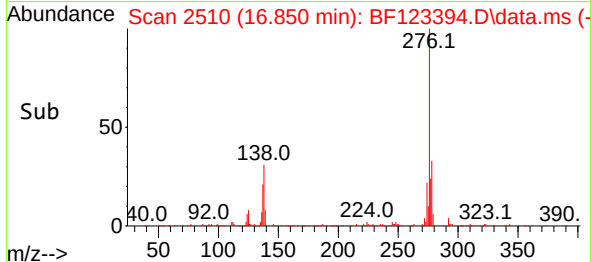
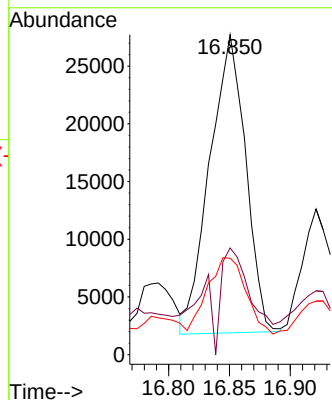
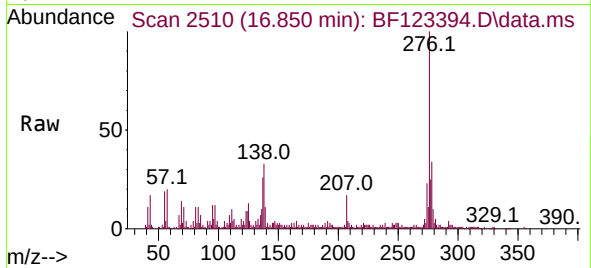




#91
Dibenzo(a,h)anthracene
Concen: 3.27 ng
RT: 16.850 min Scan# 2510
Delta R.T. -0.012 min
Lab File: BF123394.D
Acq: 18 Mar 2021 20:59

Instrument :
BNA_F
ClientSampled :
TP-6A

Tgt Ion:278 Resp: 53039
Ion Ratio Lower Upper
278 100
139 33.3 12.0 18.0#
279 30.1 19.4 29.2#



#92
Benzo(g,h,i)perylene
Concen: 9.13 ng
RT: 17.274 min Scan# 2582
Delta R.T. -0.012 min
Lab File: BF123394.D
Acq: 18 Mar 2021 20:59

Tgt Ion:276 Resp: 157644
Ion Ratio Lower Upper
276 100
277 24.3 19.3 28.9
138 33.1 16.6 24.8#

