

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092023\
 Data File : BF135355.D
 Acq On : 20 Sep 2023 13:59
 Operator : CG\JU
 Sample : 04493-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Sep 20 14:25:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

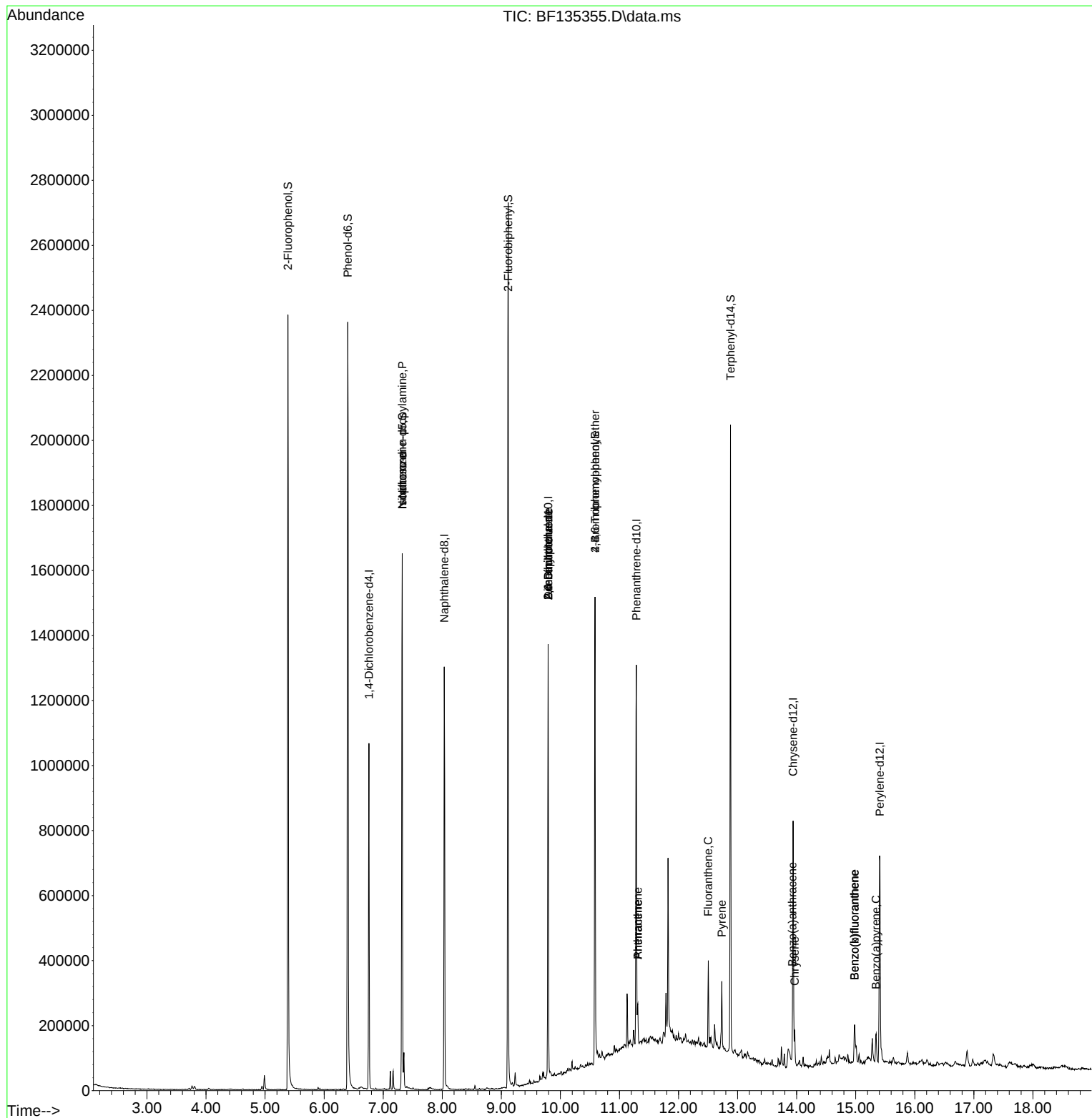
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	143779	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	546904	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	259814	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	436507	20.000	ng	0.00
76) Chrysene-d12	13.939	240	237452	20.000	ng	0.00
86) Perylene-d12	15.410	264	313365	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	646594	73.144	ng	0.00
7) Phenol-d6	6.398	99	844218	75.104	ng	0.00
23) Nitrobenzene-d5	7.322	82	507225	50.388	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	165189	63.979	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	873058	50.698	ng	-0.01
79) Terphenyl-d14	12.880	244	627299	40.953	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.322	70	65960	9.474	ng	# 80
25) Isophorone	7.322	82	507221	27.440	ng	# 65
50) Dimethylphthalate	9.792	163	50684	2.885	ng	# 1
51) 2,6-Dinitrotoluene	9.792	165	33821	8.789	ng	# 17
57) 2,4-Dinitrotoluene	9.792	165	33821	7.020	ng	# 19
67) 4-Bromophenyl-phenylether	10.586	248	10666	2.457	ng	# 1
71) Phenanthrene	11.310	178	45435	2.201	ng	99
72) Anthracene	11.310	178	45435	2.141	ng	100
75) Fluoranthene	12.504	202	106783	4.964	ng	98
78) Pyrene	12.733	202	85291	3.773	ng	97
81) Benzo(a)anthracene	13.927	228	34619	2.258	ng	98
83) Chrysene	13.969	228	44186	2.898	ng	98
88) Benzo(b)fluoranthene	14.980	252	85059	5.014	ng	# 93
89) Benzo(k)fluoranthene	14.980	252	85059	5.076	ng	# 93
90) Benzo(a)pyrene	15.345	252	41178	2.545	ng	96

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

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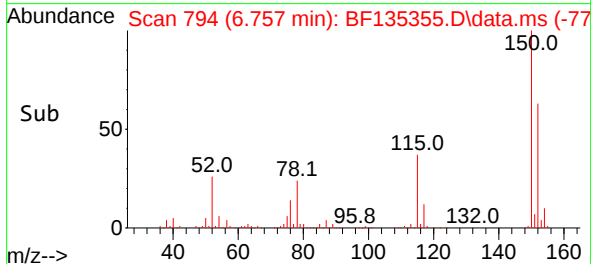
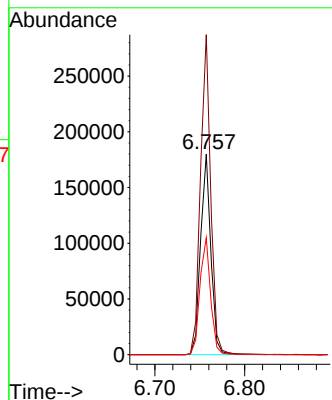
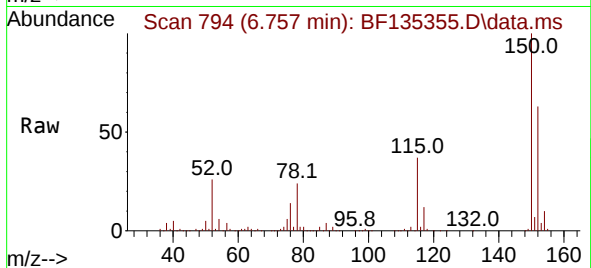




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135355.D
Acq: 20 Sep 2023 13:59

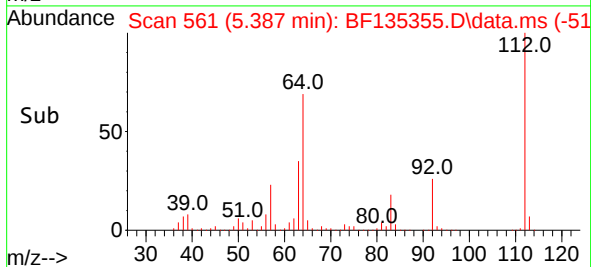
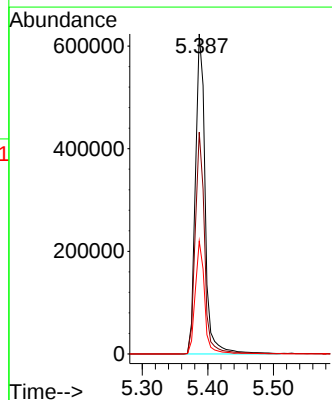
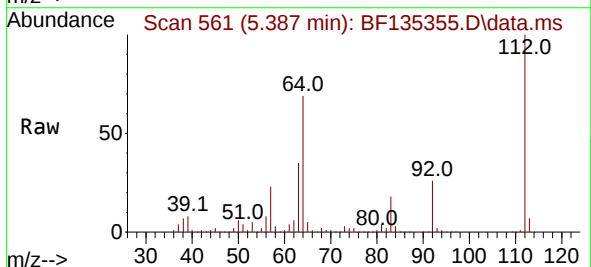
Instrument :
BNA_F
ClientSampleId :
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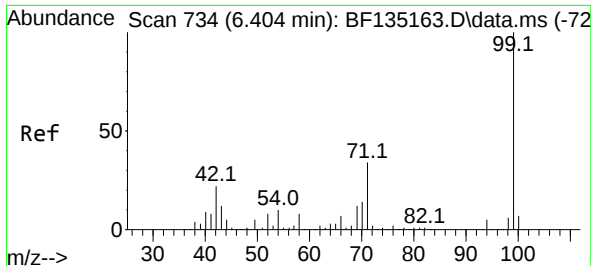
Tgt Ion:152 Resp: 143779
Ion Ratio Lower Upper
152 100
150 159.6 127.8 191.6
115 58.3 49.8 74.8



#5
2-Fluorophenol
Concen: 73.144 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF135355.D
Acq: 20 Sep 2023 13:59

Tgt Ion:112 Resp: 646594
Ion Ratio Lower Upper
112 100
64 69.3 55.9 83.9
63 35.2 29.0 43.6

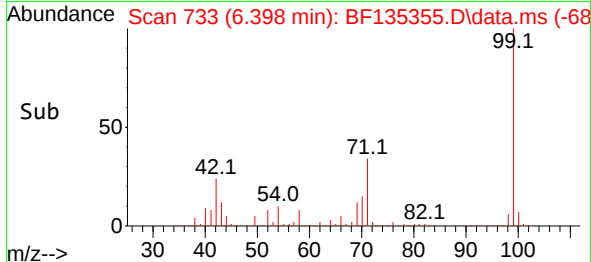
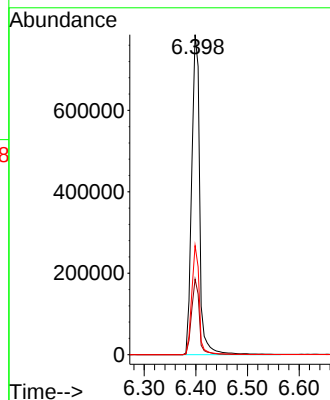
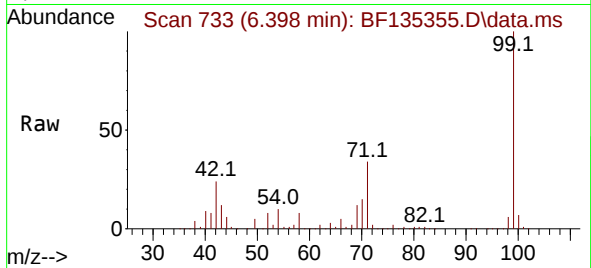




#7
Phenol-d6
Concen: 75.104 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135355.D
Acq: 20 Sep 2023 13:59

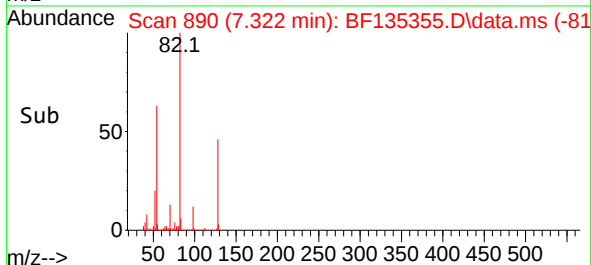
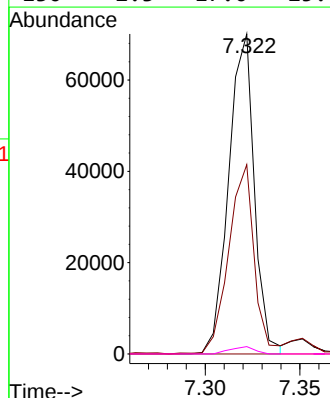
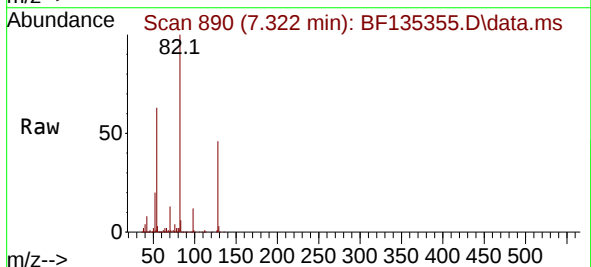
Instrument :
BNA_F
ClientSampleId :
WC-1

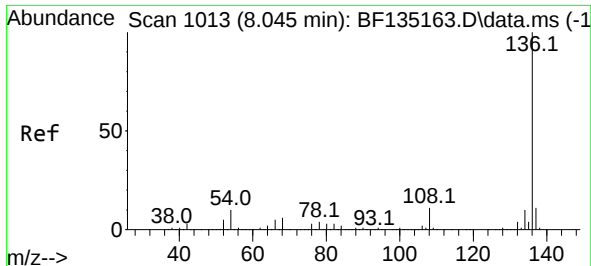
Tgt Ion: 99 Resp: 844218
Ion Ratio Lower Upper
99 100
42 23.6 17.9 26.9
71 34.1 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 9.474 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.136 min
Lab File: BF135355.D
Acq: 20 Sep 2023 13:59

Tgt Ion: 70 Resp: 65960
Ion Ratio Lower Upper
70 100
42 59.2 55.4 83.0
101 0.0 7.7 11.5#
130 2.3 17.0 25.6#

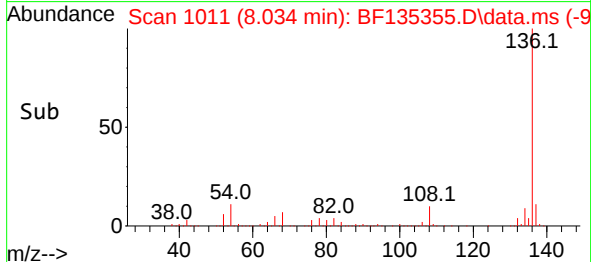
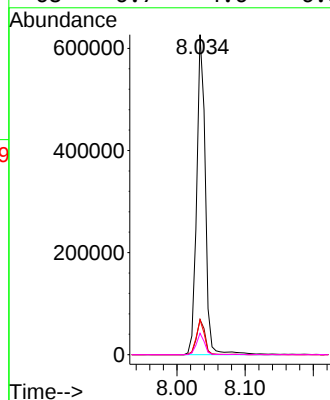
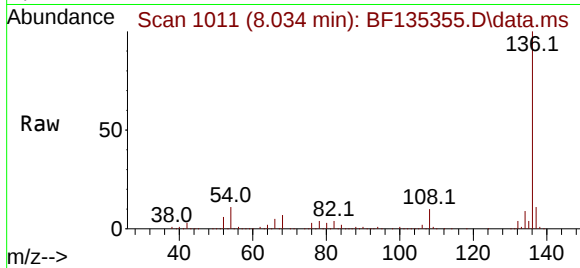




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BF135355.D
Acq: 20 Sep 2023 13:59

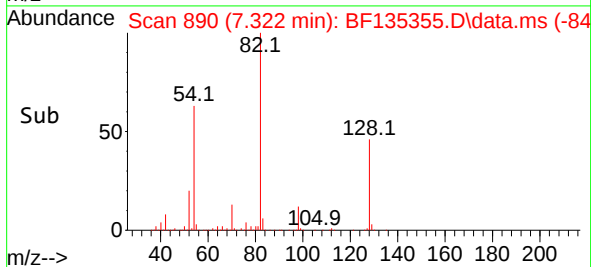
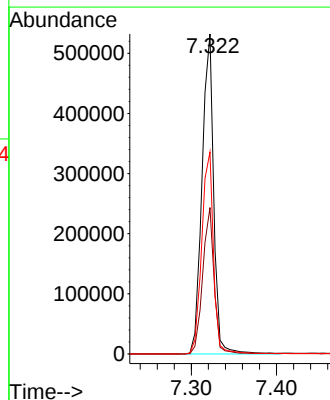
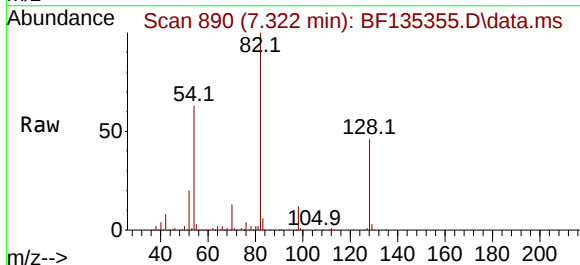
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:136	Resp: 546904
Ion Ratio	Lower Upper
136	100
137	11.0 8.8 13.2
54	10.9 7.7 11.5
68	6.7 4.6 6.8



#23
Nitrobenzene-d5
Concen: 50.388 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF135355.D
Acq: 20 Sep 2023 13:59

Tgt Ion: 82	Resp: 507225
Ion Ratio	Lower Upper
82	100
128	45.7 35.8 53.6
54	63.1 50.6 76.0

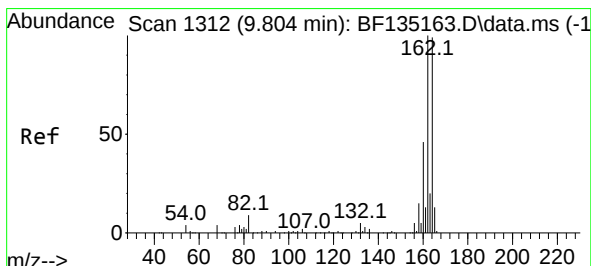
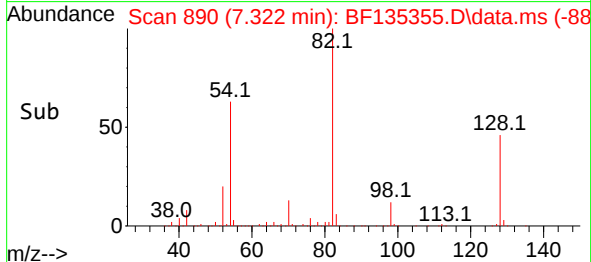
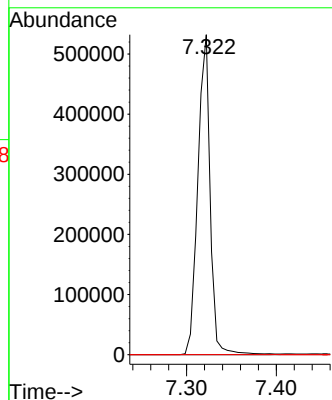
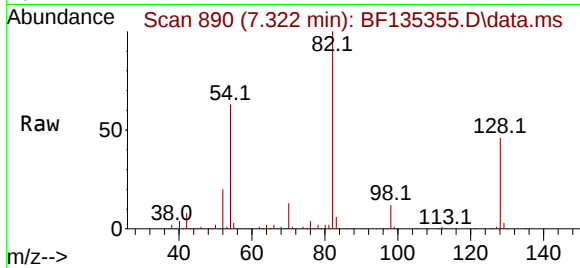




#25
Isophorone
Concen: 27.440 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF135355.D
Acq: 20 Sep 2023 13:59

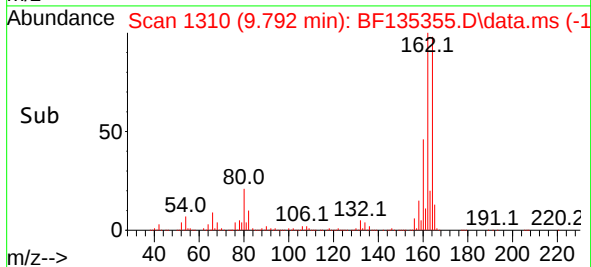
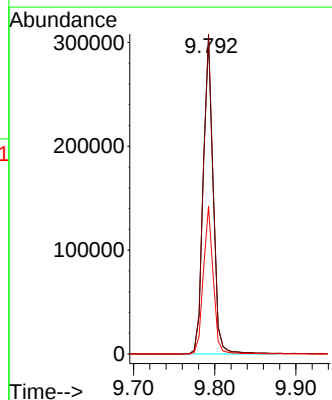
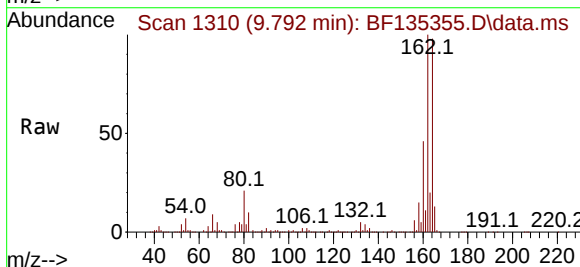
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion: 82 Resp: 507221
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.011 min
Lab File: BF135355.D
Acq: 20 Sep 2023 13:59

Tgt Ion:164 Resp: 259814
Ion Ratio Lower Upper
164 100
162 101.7 81.0 121.4
160 46.9 37.0 55.4

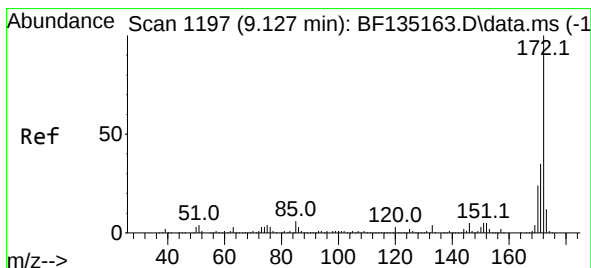
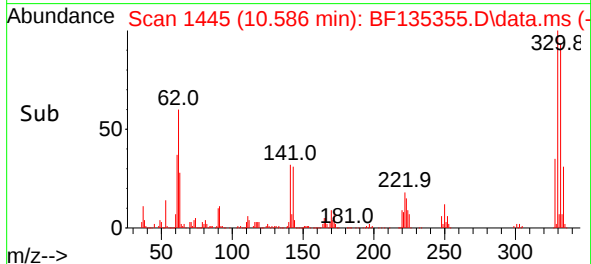
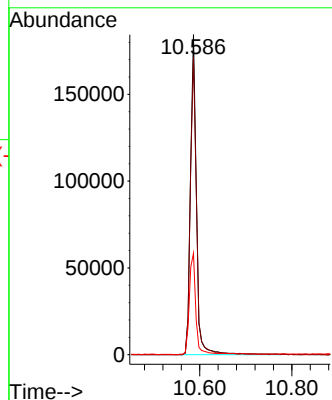
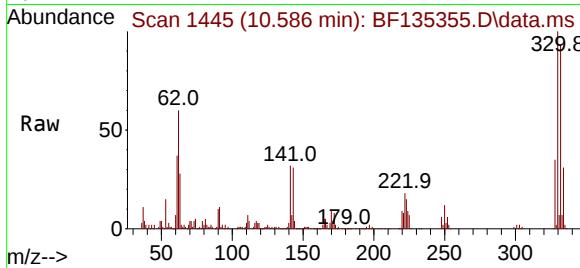




#42
2,4,6-Tribromophenol
Concen: 63.979 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.011 min
Lab File: BF135355.D
Acq: 20 Sep 2023 13:59

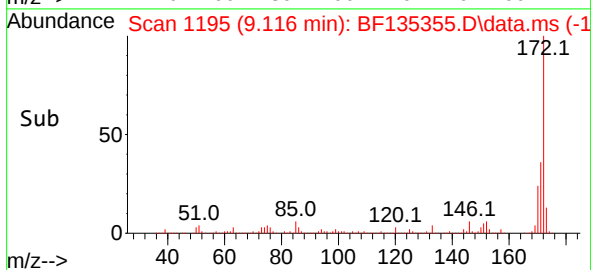
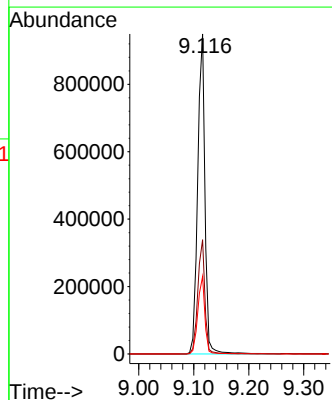
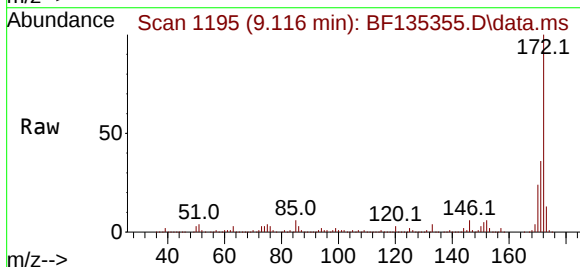
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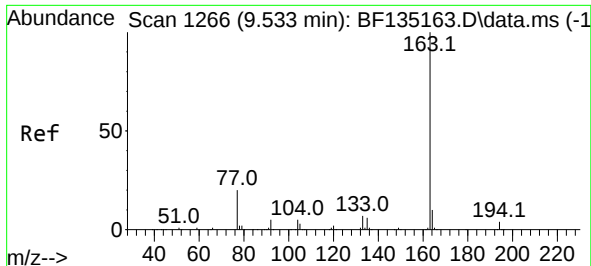
Tgt Ion:330 Resp: 165189
Ion Ratio Lower Upper
330 100
332 95.3 77.3 115.9
141 34.3 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 50.698 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135355.D
Acq: 20 Sep 2023 13:59

Tgt Ion:172 Resp: 873058
Ion Ratio Lower Upper
172 100
171 35.7 28.4 42.6
170 24.2 19.0 28.4

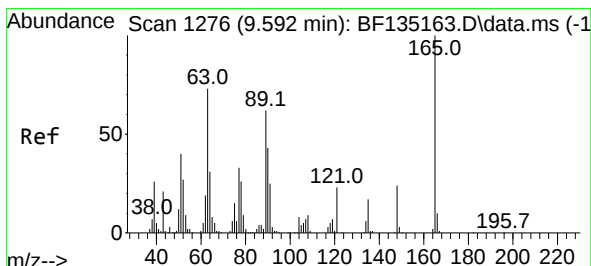
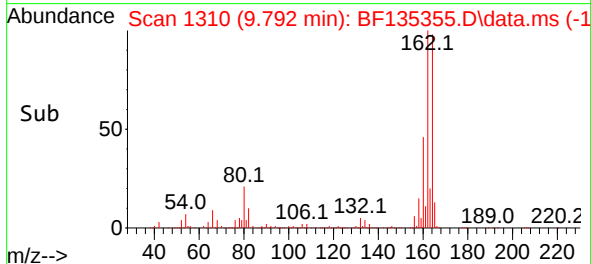
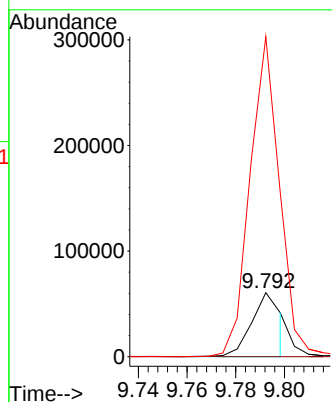
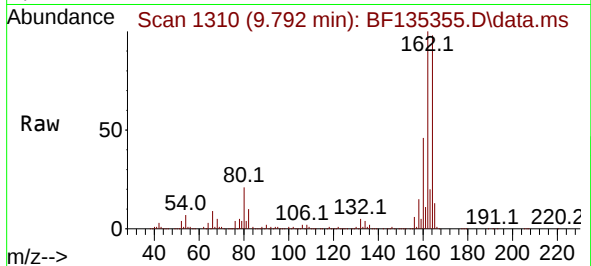




#50
Dimethylphthalate
Concen: 2.885 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.259 min
Lab File: BF135355.D
Acq: 20 Sep 2023 13:59

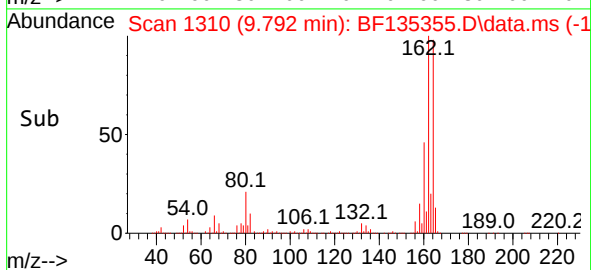
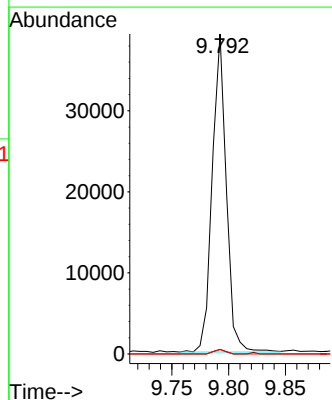
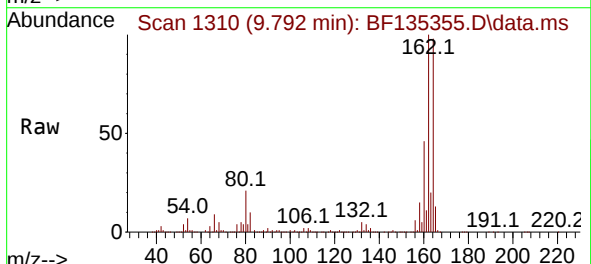
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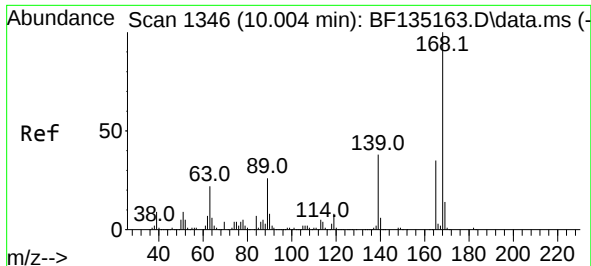
Tgt Ion:163 Resp: 50684
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 499.4 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.789 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.200 min
Lab File: BF135355.D
Acq: 20 Sep 2023 13:59

Tgt Ion:165 Resp: 33821
Ion Ratio Lower Upper
165 100
63 1.5 59.4 89.2#
89 1.4 49.8 74.8#

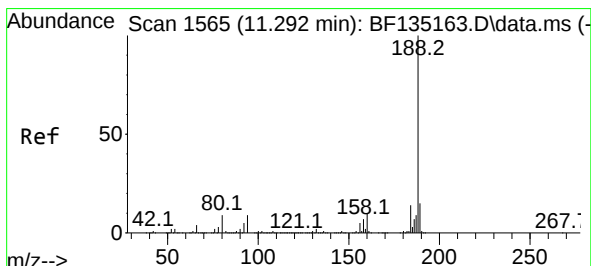
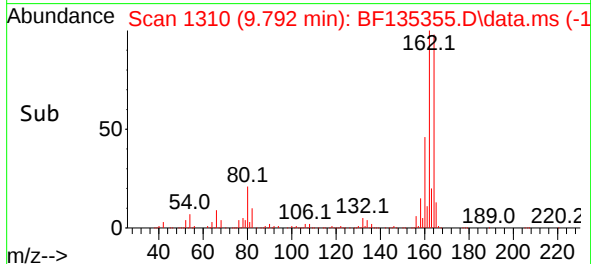
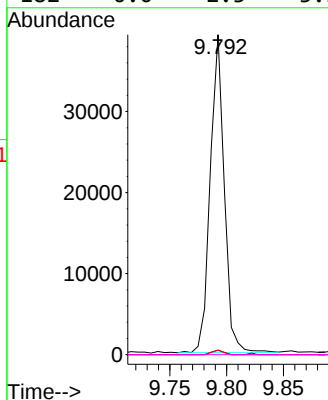
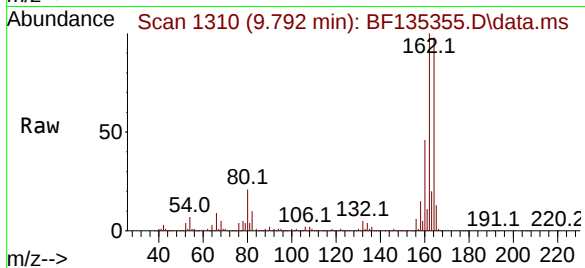




#57
2,4-Dinitrotoluene
Concen: 7.020 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.211 min
Lab File: BF135355.D
Acq: 20 Sep 2023 13:59

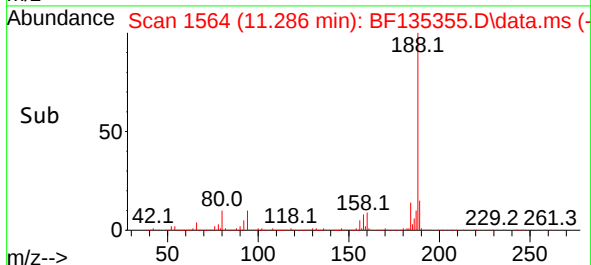
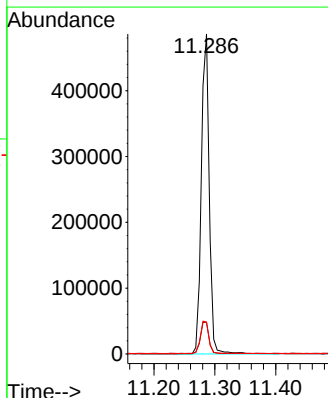
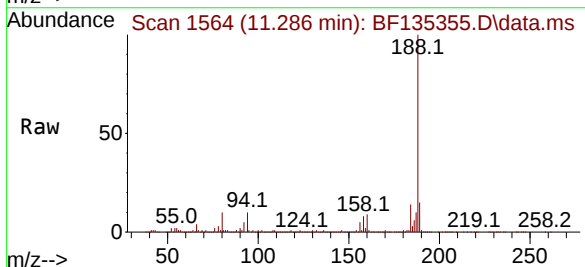
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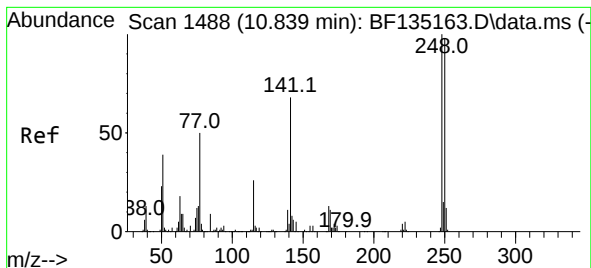
Tgt Ion:165 Resp: 33821
Ion Ratio Lower Upper
165 100
63 1.5 50.1 75.1#
89 1.4 59.3 88.9#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135355.D
Acq: 20 Sep 2023 13:59

Tgt Ion:188 Resp: 436507
Ion Ratio Lower Upper
188 100
94 9.9 7.0 10.6
80 10.0 7.5 11.3

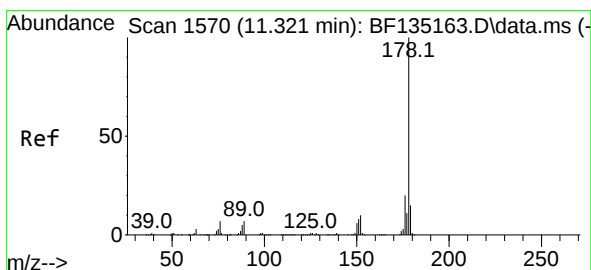
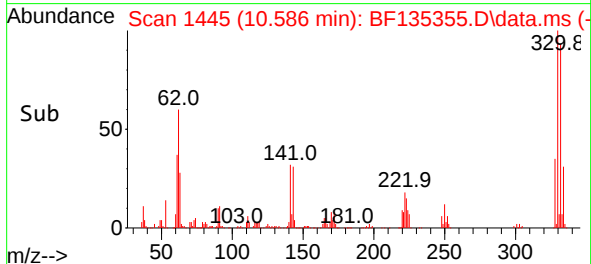
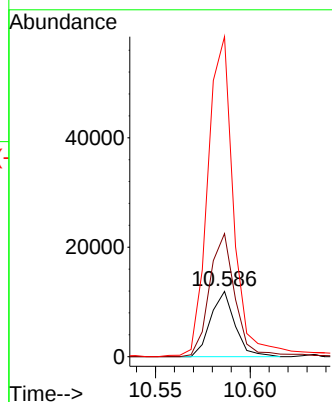
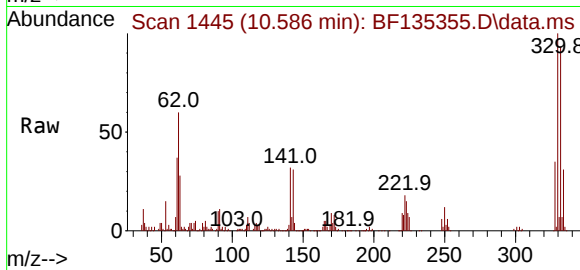




#67
4-Bromophenyl-phenylether
Concen: 2.457 ng
RT: 10.586 min Scan# 1488
Delta R.T. -0.253 min
Lab File: BF135355.D
Acq: 20 Sep 2023 13:59

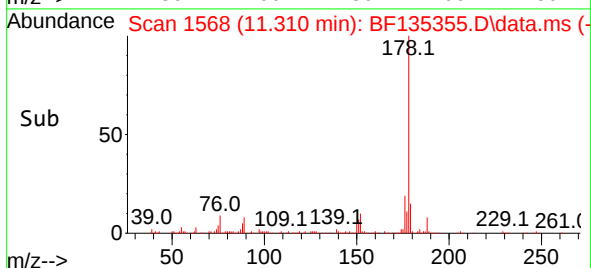
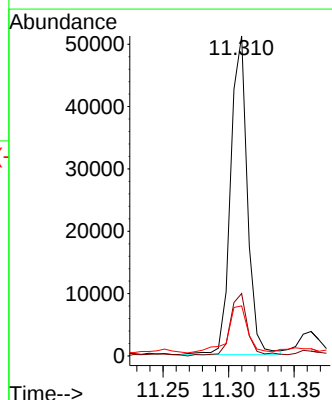
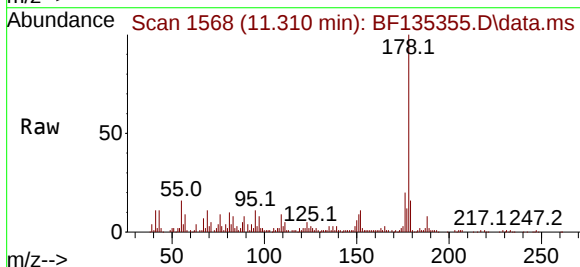
Instrument :
BNA_F
ClientSampleId :
WC-1

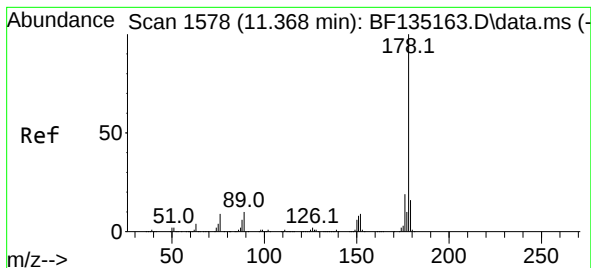
Tgt Ion:248 Resp: 10666
Ion Ratio Lower Upper
248 100
250 188.4 78.6 117.8#
141 489.8 54.2 81.2#



#71
Phenanthrene
Concen: 2.201 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BF135355.D
Acq: 20 Sep 2023 13:59

Tgt Ion:178 Resp: 45435
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.6 12.0 18.0





#72

Anthracene

Concen: 2.141 ng

RT: 11.310 min Scan# 1568

Delta R.T. -0.059 min

Lab File: BF135355.D

Acq: 20 Sep 2023 13:59

Instrument :

BNA_F

ClientSampleId :

WC-1

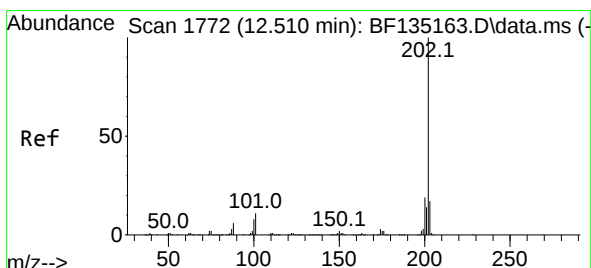
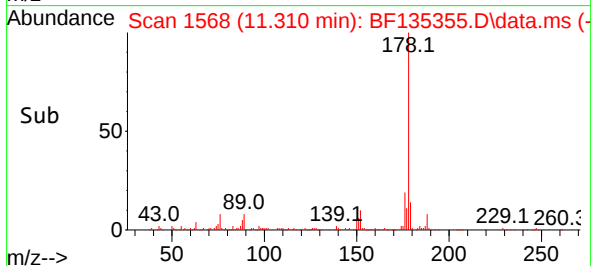
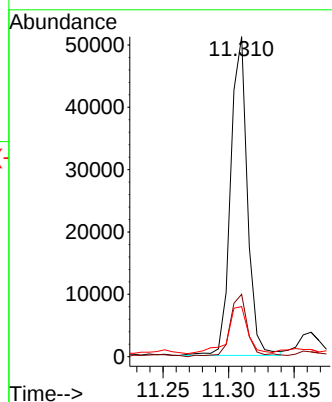
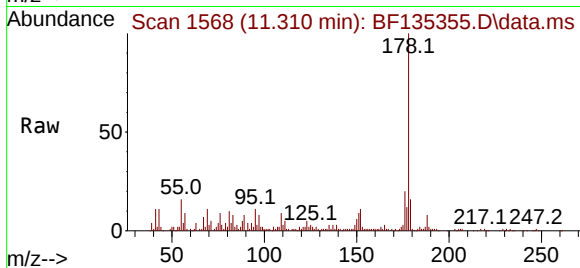
Tgt Ion:178 Resp: 45435

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

179 15.6 12.6 19.0



#75

Fluoranthene

Concen: 4.964 ng

RT: 12.504 min Scan# 1771

Delta R.T. -0.006 min

Lab File: BF135355.D

Acq: 20 Sep 2023 13:59

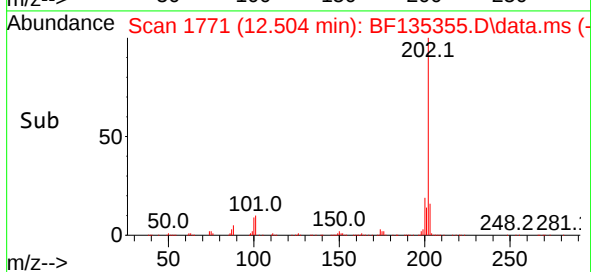
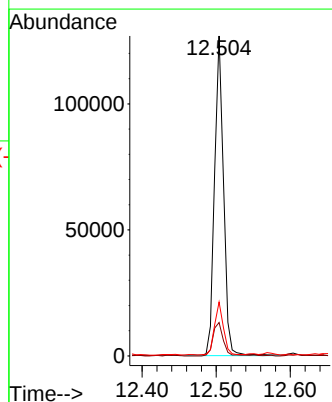
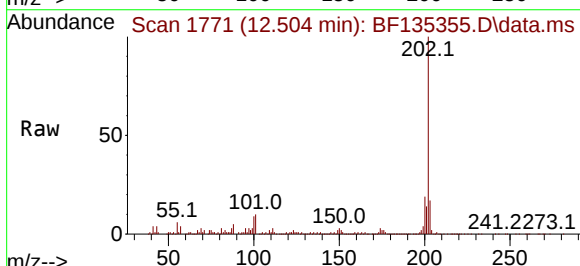
Tgt Ion:202 Resp: 106783

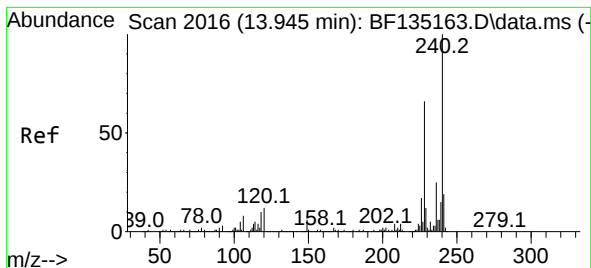
Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.3

203 16.9 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF135355.D

Acq: 20 Sep 2023 13:59

Instrument :

BNA_F

ClientSampleId :

WC-1

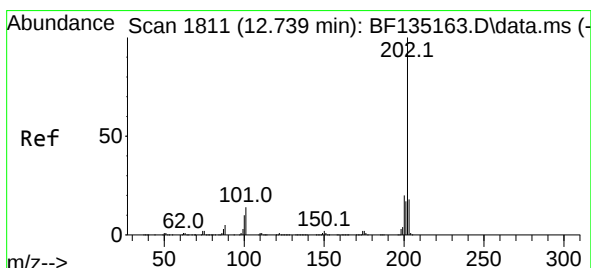
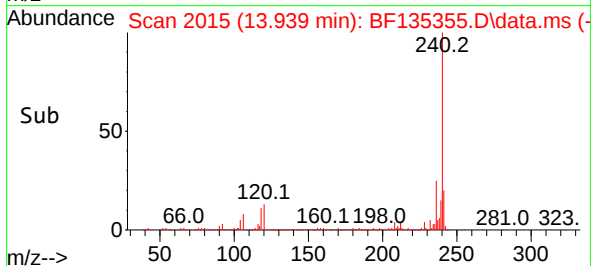
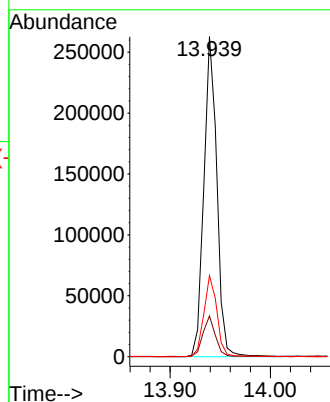
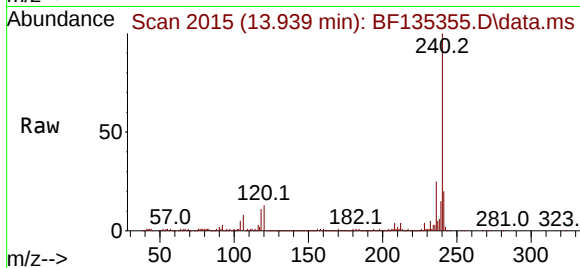
Tgt Ion:240 Resp: 237452

Ion Ratio Lower Upper

240 100

120 12.7 9.4 14.2

236 25.3 19.8 29.8



#78

Pyrene

Concen: 3.773 ng

RT: 12.733 min Scan# 1810

Delta R.T. -0.006 min

Lab File: BF135355.D

Acq: 20 Sep 2023 13:59

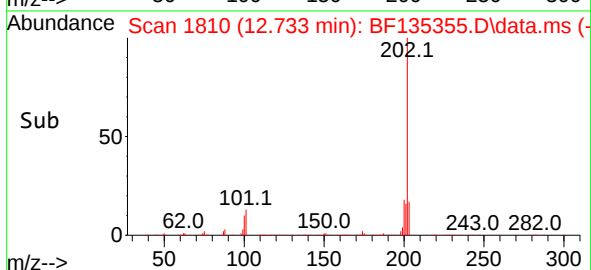
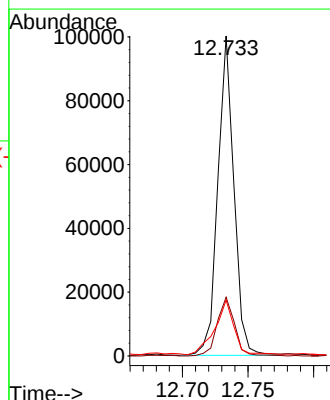
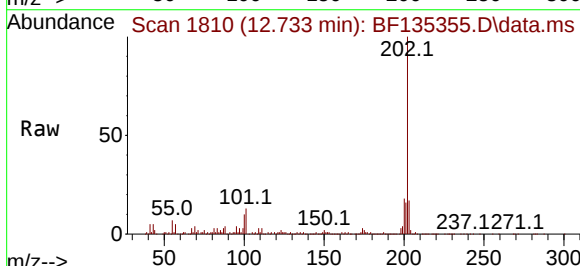
Tgt Ion:202 Resp: 85291

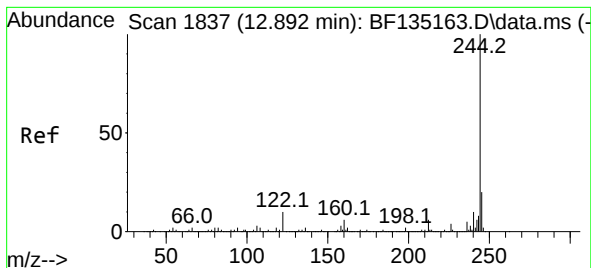
Ion Ratio Lower Upper

202 100

200 18.3 16.2 24.2

203 17.4 14.2 21.4





#79

Terphenyl-d14

Concen: 40.953 ng

RT: 12.880 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135355.D

Acq: 20 Sep 2023 13:59

Instrument :

BNA_F

ClientSampleId :

WC-1

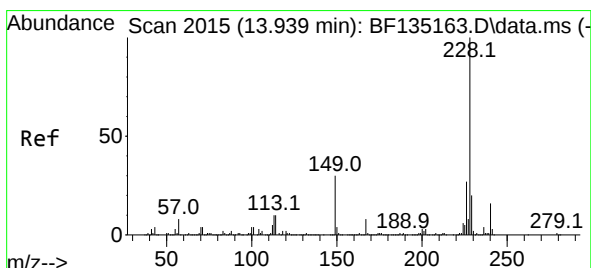
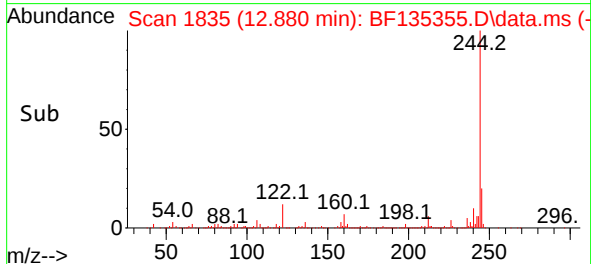
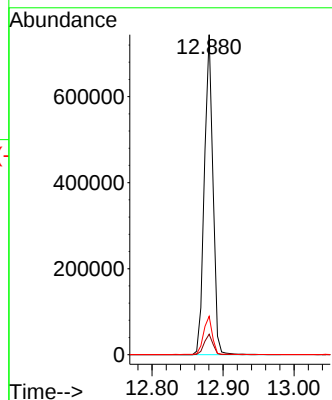
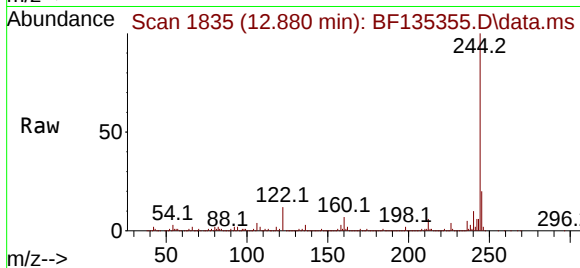
Tgt Ion:244 Resp: 627299

Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 12.0 7.9 11.9#



#81

Benzo(a)anthracene

Concen: 2.258 ng

RT: 13.927 min Scan# 2013

Delta R.T. -0.012 min

Lab File: BF135355.D

Acq: 20 Sep 2023 13:59

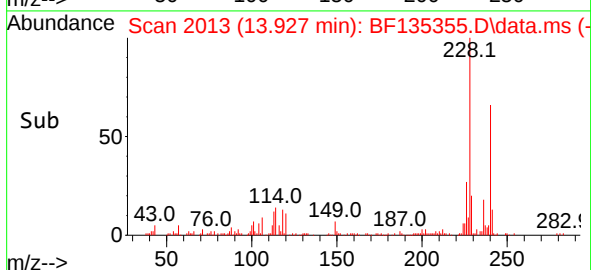
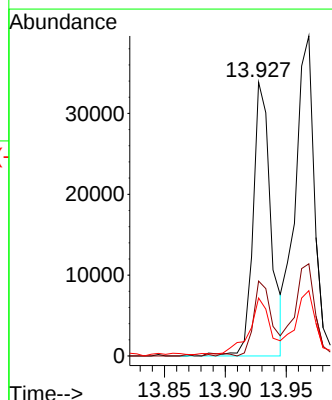
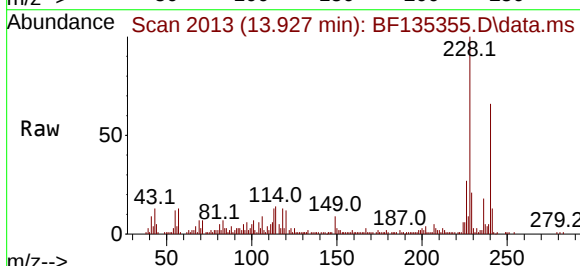
Tgt Ion:228 Resp: 34619

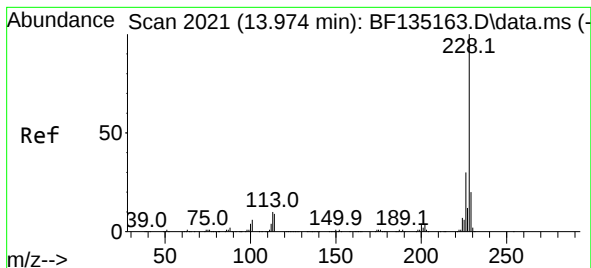
Ion Ratio Lower Upper

228 100

226 27.3 21.7 32.5

229 21.2 15.8 23.8





#83

Chrysene

Concen: 2.898 ng

RT: 13.969 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135355.D

Acq: 20 Sep 2023 13:59

Instrument :

BNA_F

ClientSampleId :

WC-1

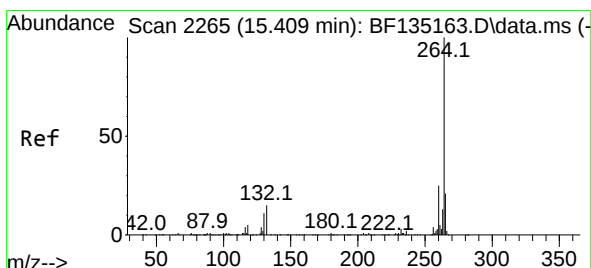
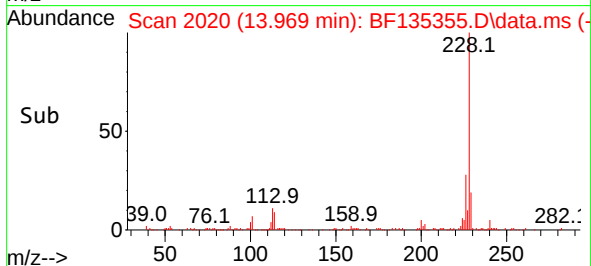
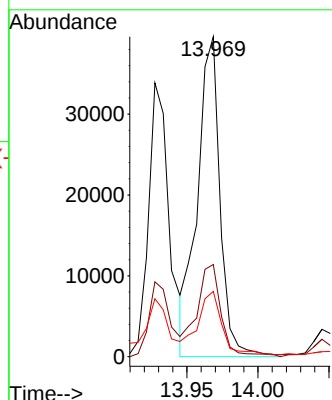
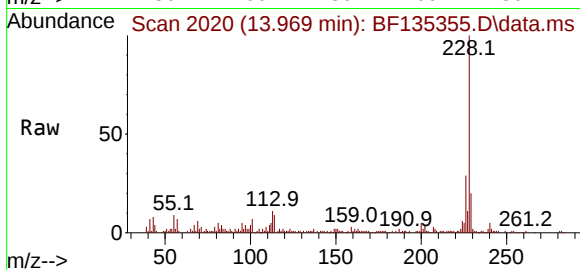
Tgt Ion:228 Resp: 44186

Ion Ratio Lower Upper

228 100

226 28.8 24.3 36.5

229 20.4 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 2265

Delta R.T. 0.000 min

Lab File: BF135355.D

Acq: 20 Sep 2023 13:59

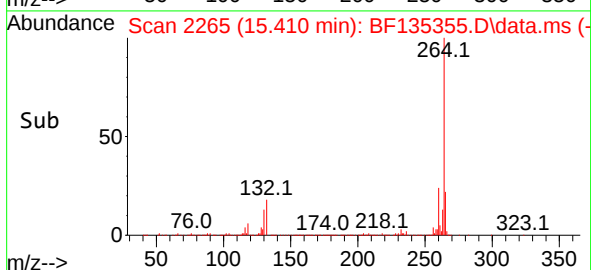
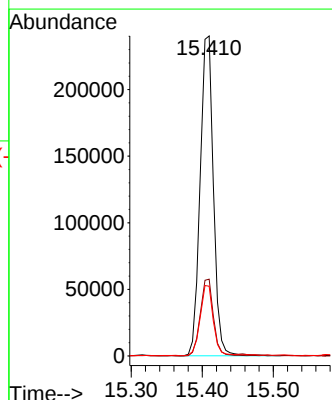
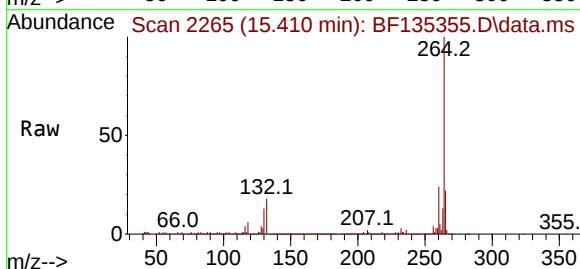
Tgt Ion:264 Resp: 313365

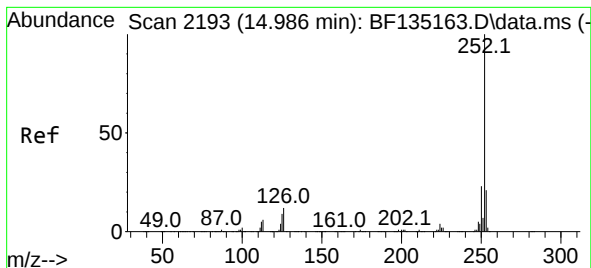
Ion Ratio Lower Upper

264 100

260 24.0 19.8 29.6

265 21.8 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 5.014 ng

RT: 14.980 min Scan# 2192

Delta R.T. -0.006 min

Lab File: BF135355.D

Acq: 20 Sep 2023 13:59

Instrument :

BNA_F

ClientSampleId :

WC-1

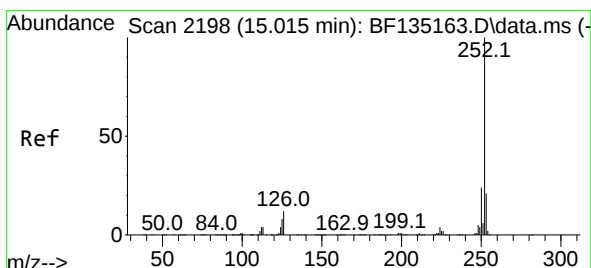
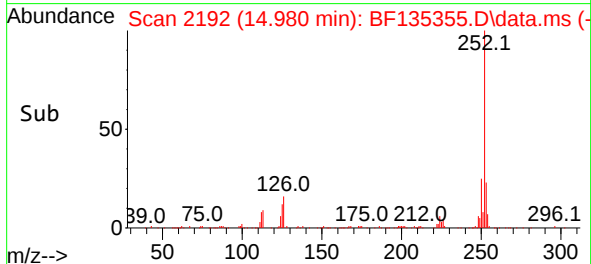
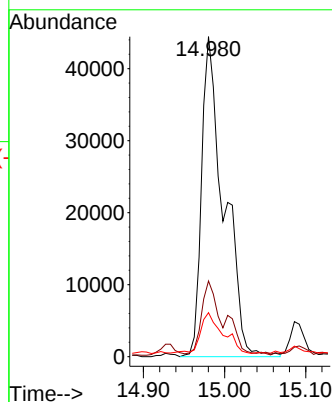
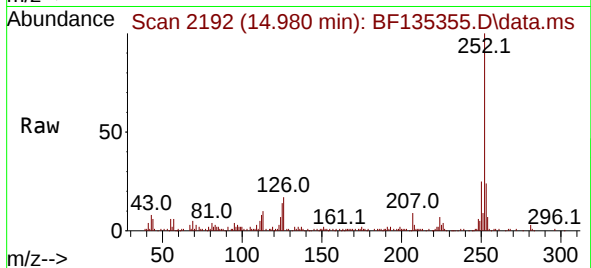
Tgt Ion:252 Resp: 85059

Ion Ratio Lower Upper

252 100

253 23.7 17.2 25.8

125 13.7 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 5.076 ng

RT: 14.980 min Scan# 2192

Delta R.T. -0.035 min

Lab File: BF135355.D

Acq: 20 Sep 2023 13:59

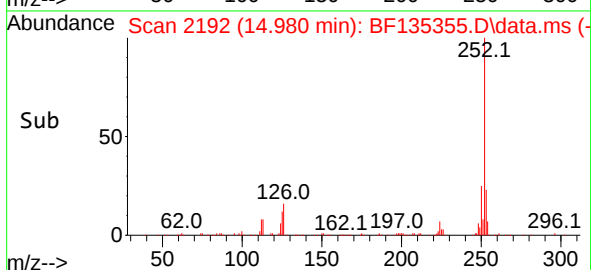
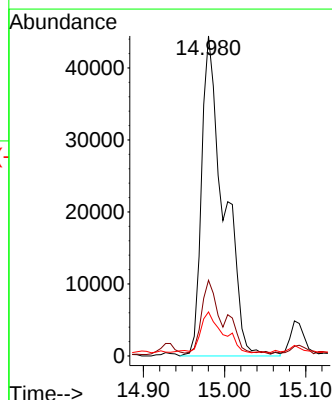
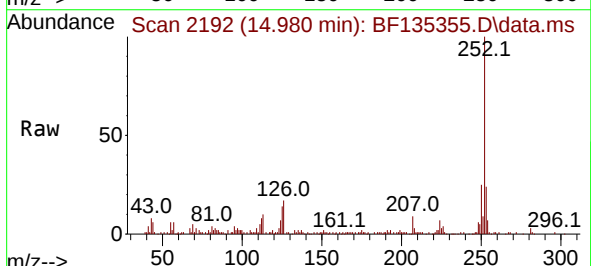
Tgt Ion:252 Resp: 85059

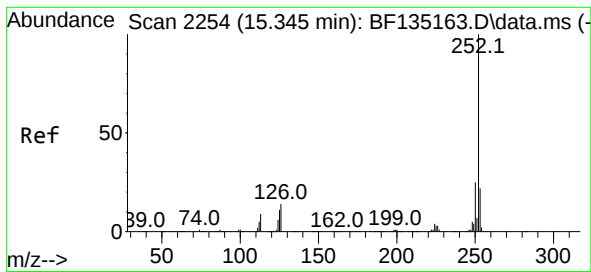
Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.0

125 13.7 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 2.545 ng

RT: 15.345 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135355.D

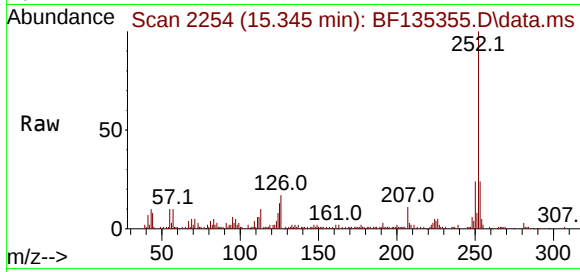
Acq: 20 Sep 2023 13:59

Instrument :

BNA_F

ClientSampleId :

WC-1



Tgt Ion:252 Resp: 41178

Ion Ratio Lower Upper

252 100

253 24.3 17.5 26.3

125 12.8 9.2 13.8

