

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100523\
 Data File : BF135603.D
 Acq On : 05 Oct 2023 17:03
 Operator : CG\JU
 Sample : 04712-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Oct 06 03:43:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 17:06:20 2023
 Response via : Initial Calibration

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

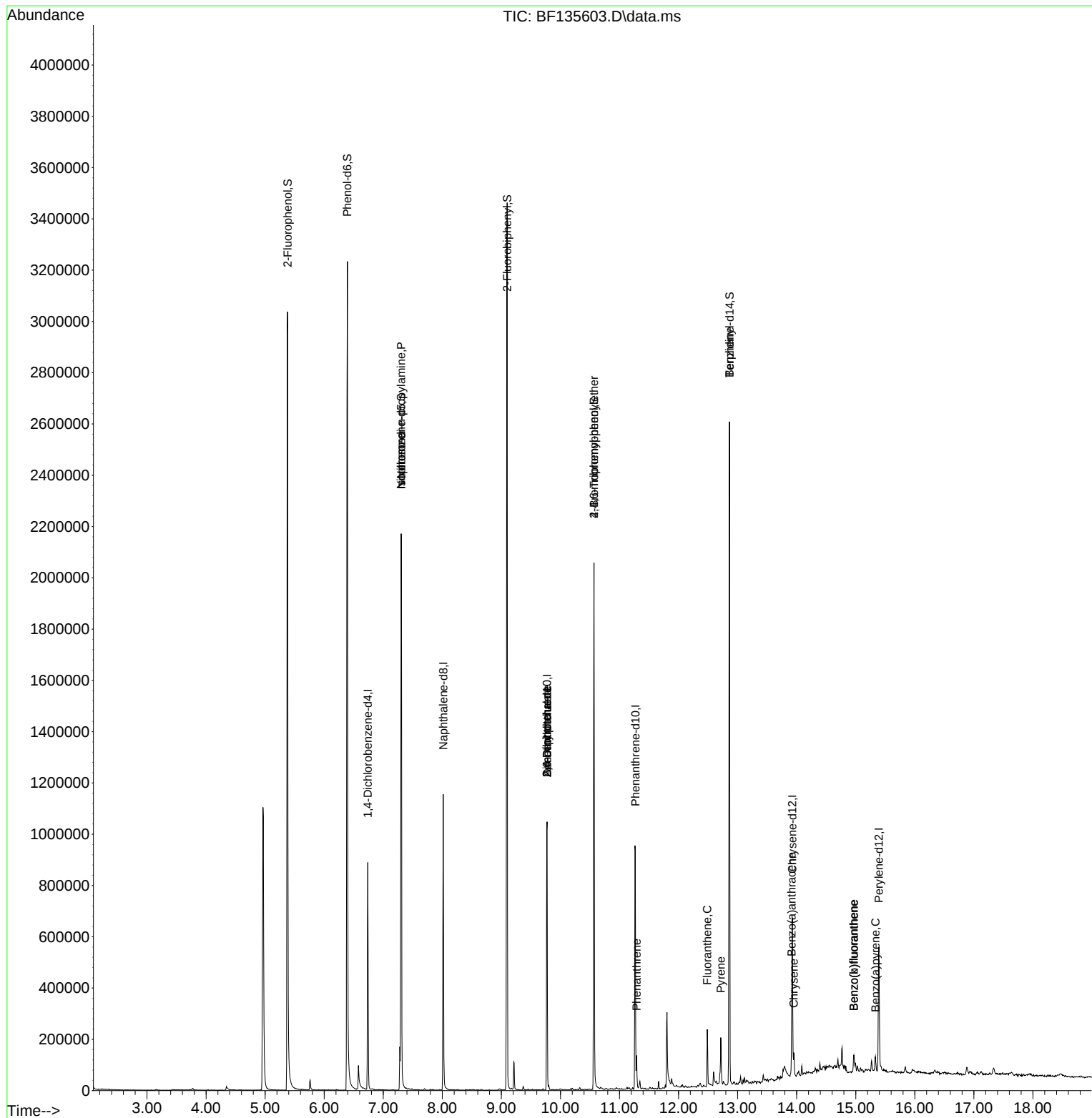
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	124406	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	465452	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	217739	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	373020	20.000	ng	0.00
76) Chrysene-d12	13.927	240	213157	20.000	ng	0.00
86) Perylene-d12	15.392	264	238650	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	913293	119.401	ng	0.01
7) Phenol-d6	6.393	99	1099455	113.042	ng	0.00
23) Nitrobenzene-d5	7.304	82	691535	80.719	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	226193	104.535	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1146052	79.410	ng	0.00
79) Terphenyl-d14	12.863	244	886003	64.435	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	91195	15.138	ng	# 82
25) Isophorone	7.304	82	691527	43.958	ng	# 65
50) Dimethylphthalate	9.775	163	44904	3.050	ng	# 1
51) 2,6-Dinitrotoluene	9.775	165	27625	8.566	ng	# 17
57) 2,4-Dinitrotoluene	9.775	165	27625	6.842	ng	# 19
67) 4-Bromophenyl-phenylether	10.569	248	14515	3.912	ng	# 1
71) Phenanthrene	11.292	178	47725	2.705	ng	99
75) Fluoranthene	12.486	202	89520	4.870	ng	98
77) Benzidine	12.863	184	11533	2.641	ng	# 95
78) Pyrene	12.716	202	72931	3.594	ng	99
81) Benzo(a)anthracene	13.916	228	39720	2.886	ng	98
83) Chrysene	13.951	228	33707	2.463	ng	99
88) Benzo(b)fluoranthene	14.968	252	50402	3.901	ng	# 96
89) Benzo(k)fluoranthene	14.968	252	50402	3.949	ng	# 96
90) Benzo(a)pyrene	15.333	252	28400	2.305	ng	96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100523\
Data File : BF135603.D
Acq On : 05 Oct 2023 17:03
Operator : CG\JU
Sample : 04712-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-1

Quant Time: Oct 06 03:43:17 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 04 17:06:20 2023
Response via : Initial Calibration

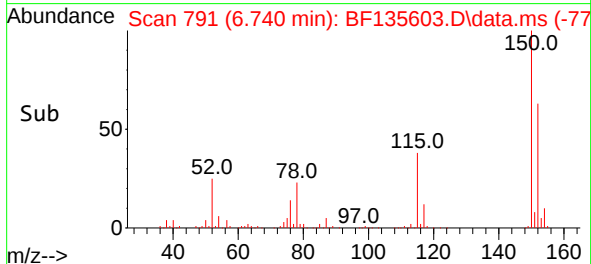
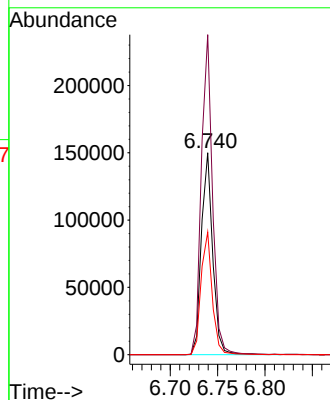
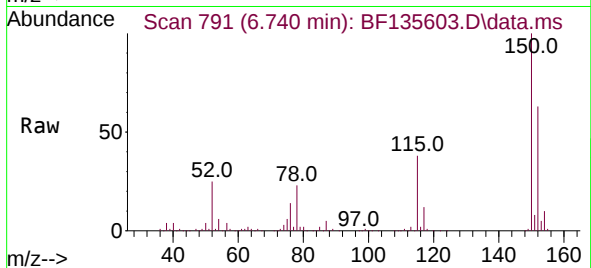




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135603.D
Acq: 05 Oct 2023 17:03

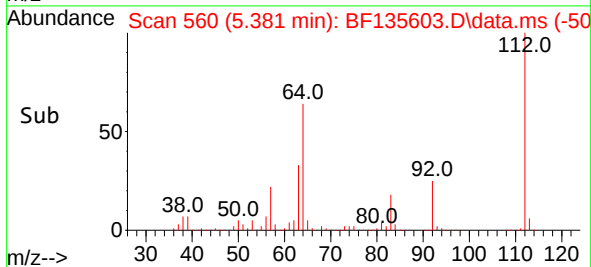
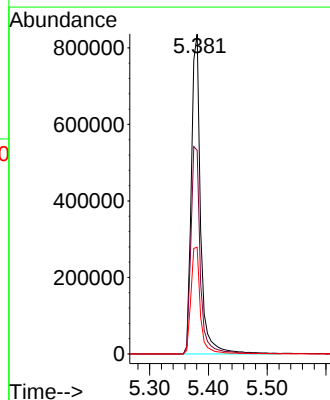
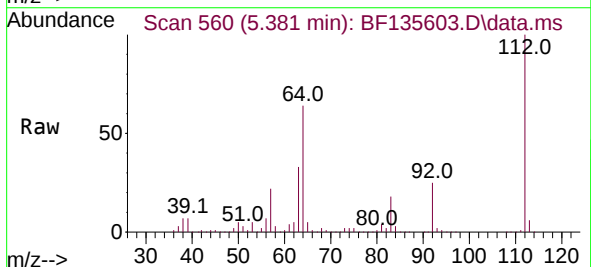
Instrument :
BNA_F
ClientSampleId :
WC-1

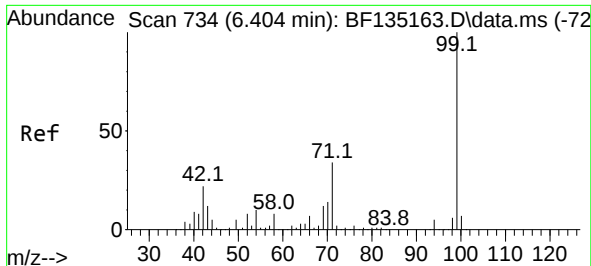
Tgt Ion:152 Resp: 124406
Ion Ratio Lower Upper
152 100
150 158.5 127.8 191.6
115 60.7 49.8 74.8



#5
2-Fluorophenol
Concen: 119.401 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.012 min
Lab File: BF135603.D
Acq: 05 Oct 2023 17:03

Tgt Ion:112 Resp: 913293
Ion Ratio Lower Upper
112 100
64 63.6 55.9 83.9
63 33.4 29.0 43.6

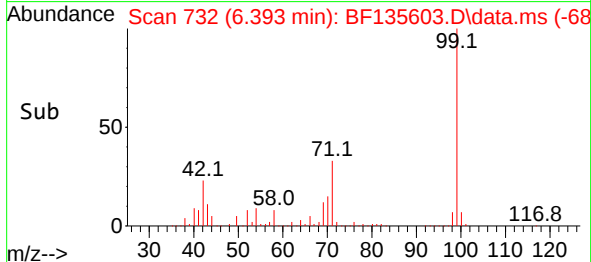
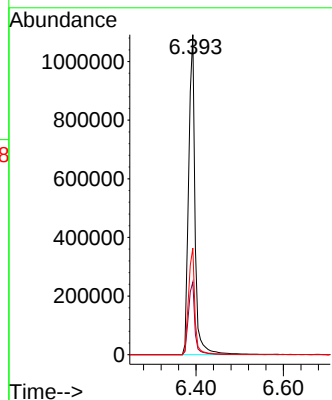
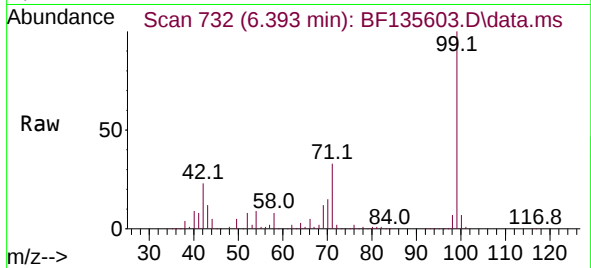




#7
Phenol-d6
Concen: 113.042 ng
RT: 6.393 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF135603.D
Acq: 05 Oct 2023 17:03

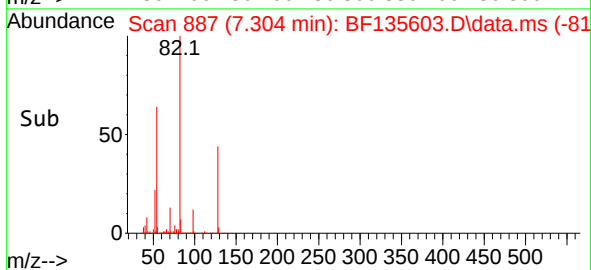
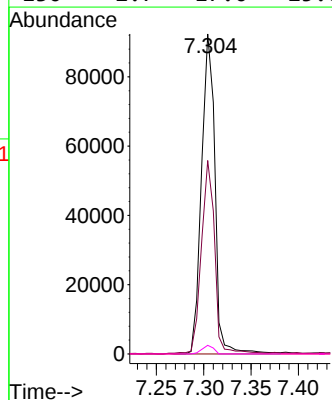
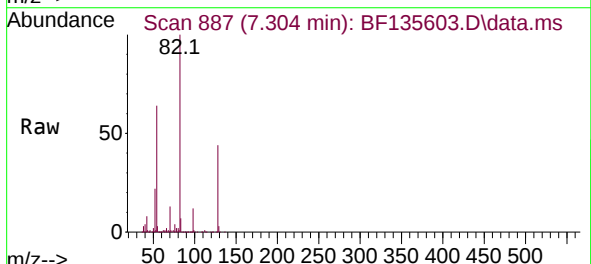
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion: 99 Resp: 1099455
Ion Ratio Lower Upper
99 100
42 22.7 17.9 26.9
71 33.3 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 15.138 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135603.D
Acq: 05 Oct 2023 17:03

Tgt Ion: 70 Resp: 91195
Ion Ratio Lower Upper
70 100
42 60.4 55.4 83.0
101 0.0 7.7 11.5#
130 2.7 17.0 25.6#



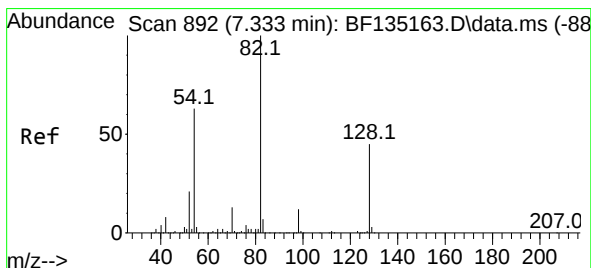
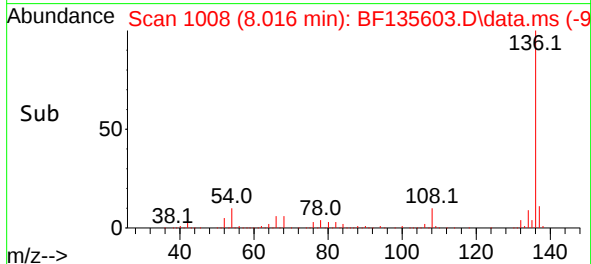
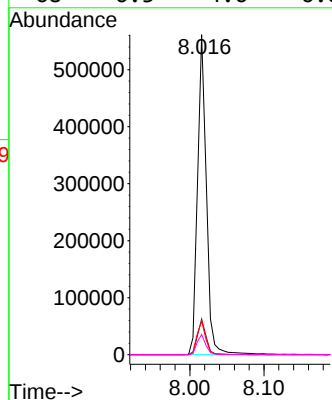
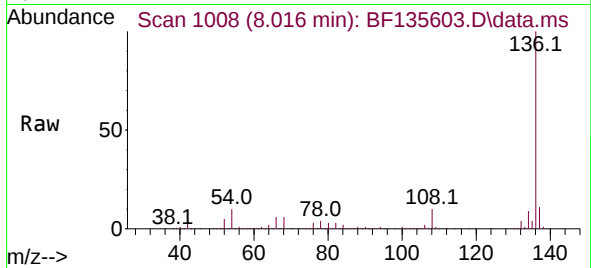


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF135603.D
Acq: 05 Oct 2023 17:03

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:136 Resp: 465452

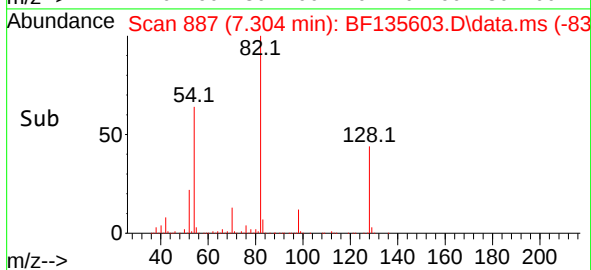
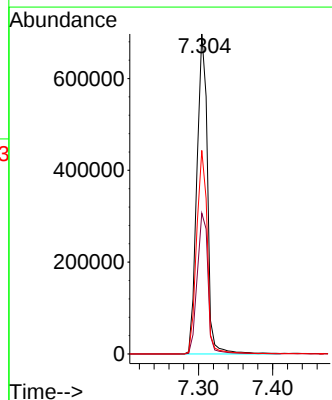
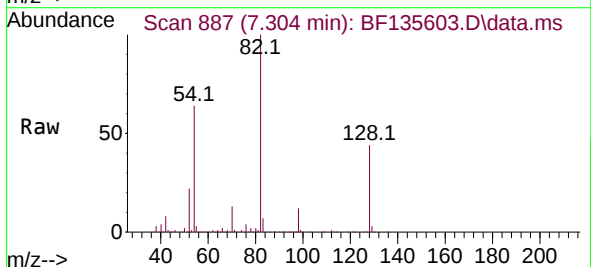
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	10.5	7.7	11.5
68	6.3	4.6	6.8



#23
Nitrobenzene-d5
Concen: 80.719 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135603.D
Acq: 05 Oct 2023 17:03

Tgt Ion: 82 Resp: 691535

Ion	Ratio	Lower	Upper
82	100		
128	44.0	35.8	53.6
54	63.6	50.6	76.0

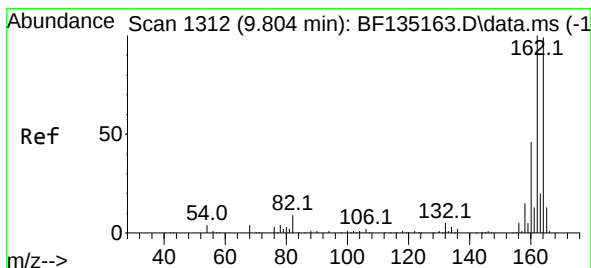
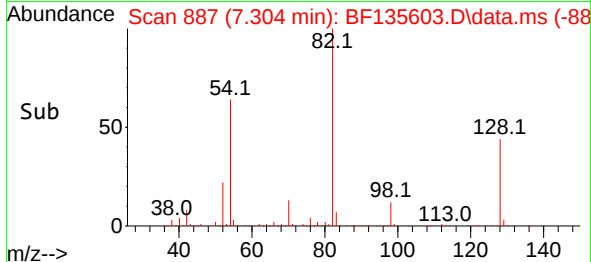
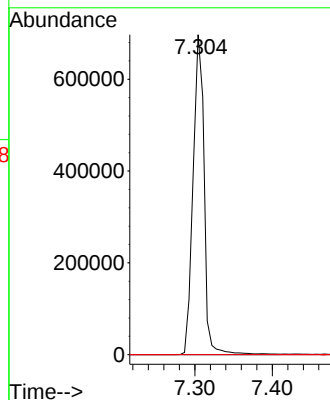
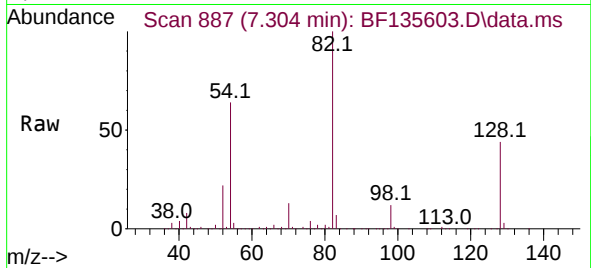




#25
Isophorone
Concen: 43.958 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135603.D
Acq: 05 Oct 2023 17:03

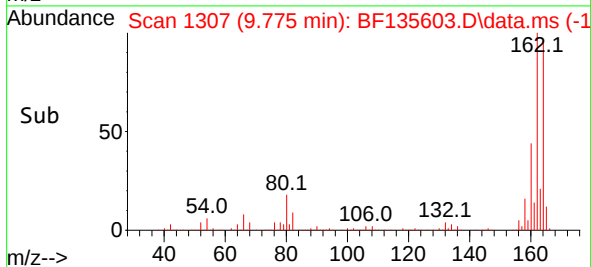
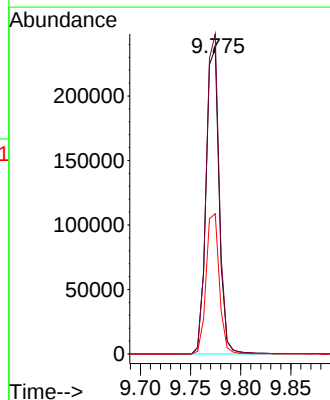
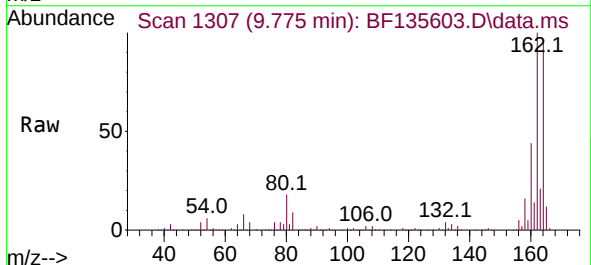
Instrument :
BNA_F
ClientSampleId :
WC-1

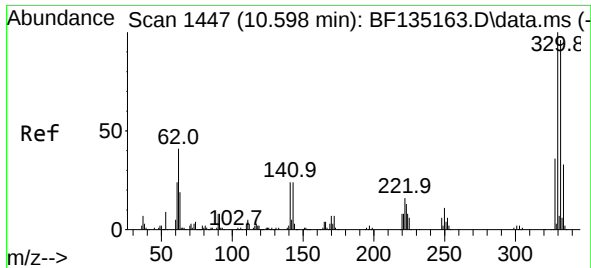
Tgt Ion: 82 Resp: 691527
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.000 min
Lab File: BF135603.D
Acq: 05 Oct 2023 17:03

Tgt Ion:164 Resp: 217739
Ion Ratio Lower Upper
164 100
162 104.7 81.0 121.4
160 45.9 37.0 55.4

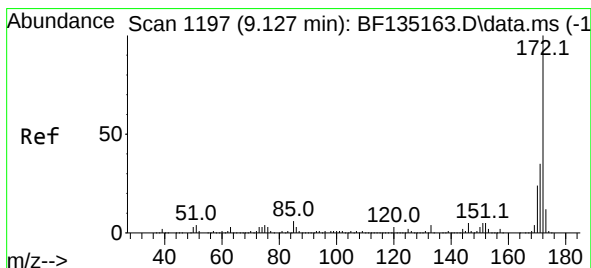
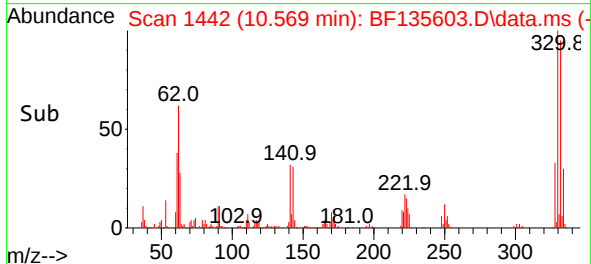
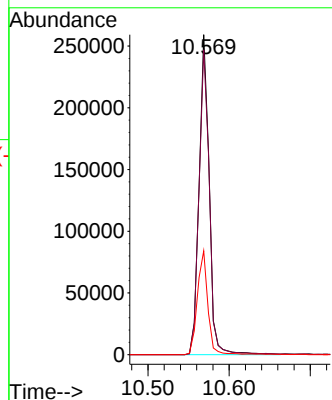
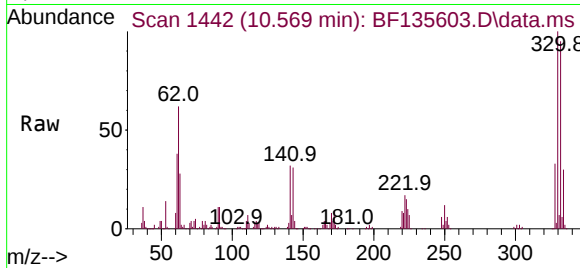




#42
2,4,6-Tribromophenol
Concen: 104.535 ng
RT: 10.569 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF135603.D
Acq: 05 Oct 2023 17:03

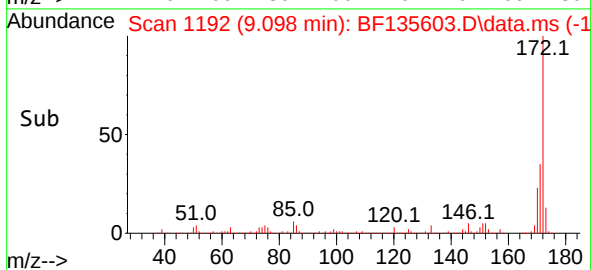
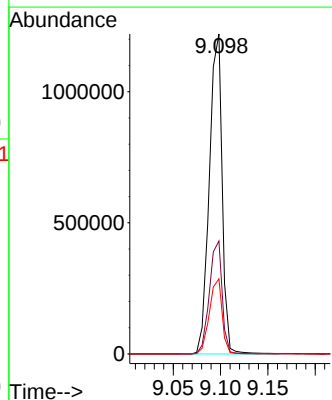
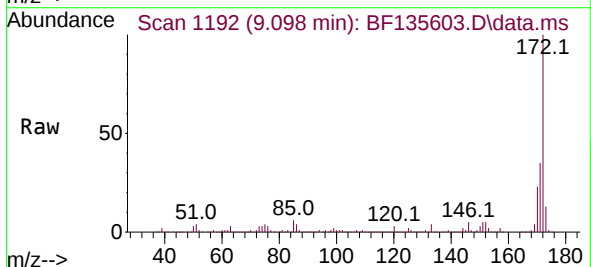
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:330 Resp: 226193
Ion Ratio Lower Upper
330 100
332 97.7 77.3 115.9
141 33.8 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 79.410 ng
RT: 9.098 min Scan# 1192
Delta R.T. 0.000 min
Lab File: BF135603.D
Acq: 05 Oct 2023 17:03

Tgt Ion:172 Resp: 1146052
Ion Ratio Lower Upper
172 100
171 35.3 28.4 42.6
170 23.5 19.0 28.4

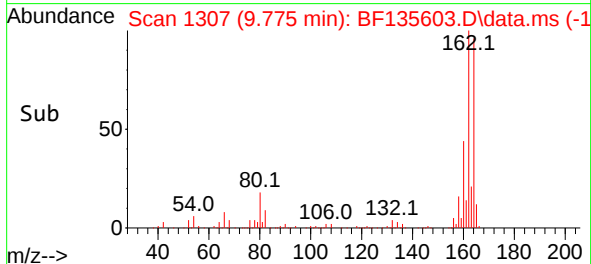
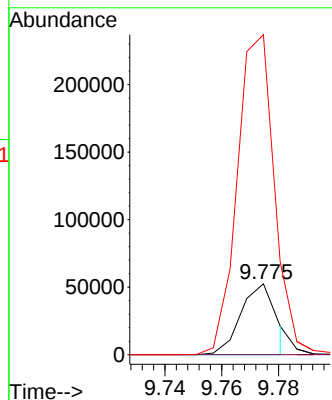
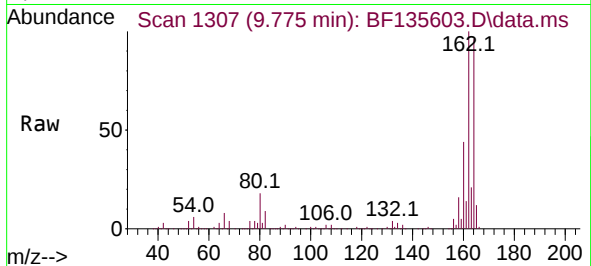




#50
Dimethylphthalate
Concen: 3.050 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.271 min
Lab File: BF135603.D
Acq: 05 Oct 2023 17:03

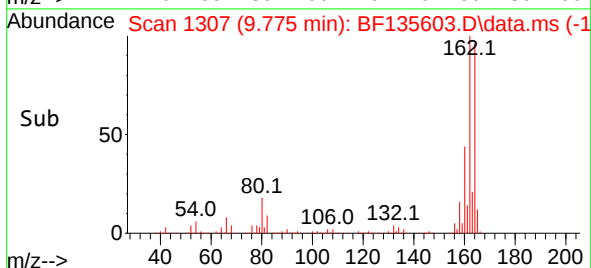
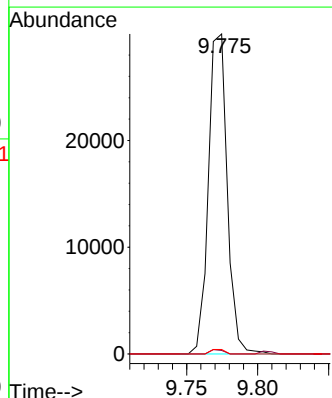
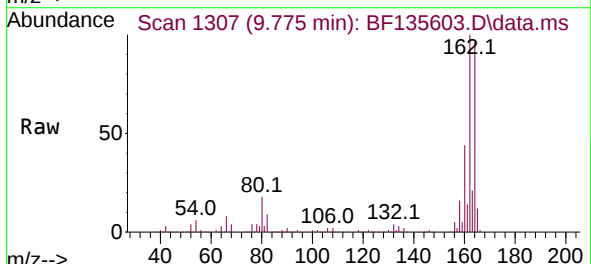
Instrument :
BNA_F
ClientSampleId :
WC-1

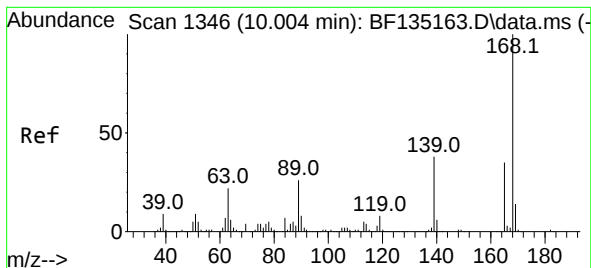
Tgt Ion:163 Resp: 44904
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 451.5 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.566 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.200 min
Lab File: BF135603.D
Acq: 05 Oct 2023 17:03

Tgt Ion:165 Resp: 27625
Ion Ratio Lower Upper
165 100
63 1.1 59.4 89.2#
89 1.4 49.8 74.8#

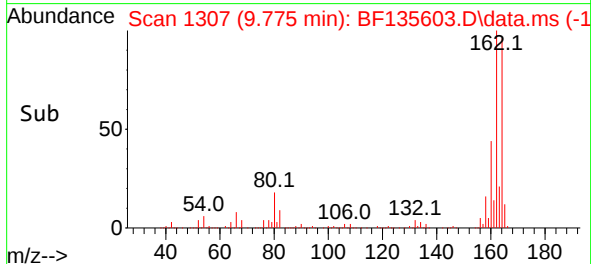
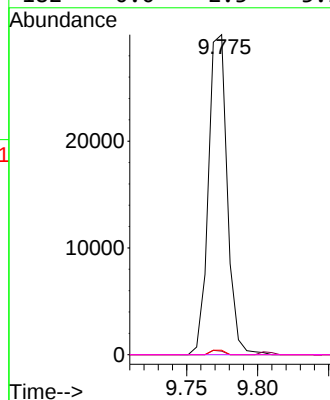
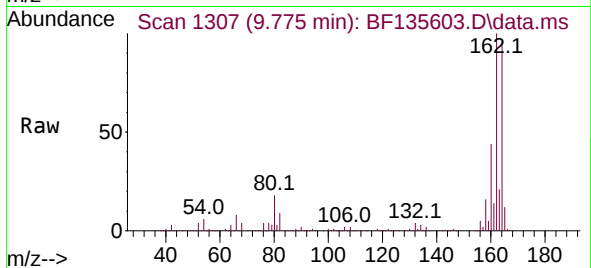




#57
2,4-Dinitrotoluene
Concen: 6.842 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF135603.D
Acq: 05 Oct 2023 17:03

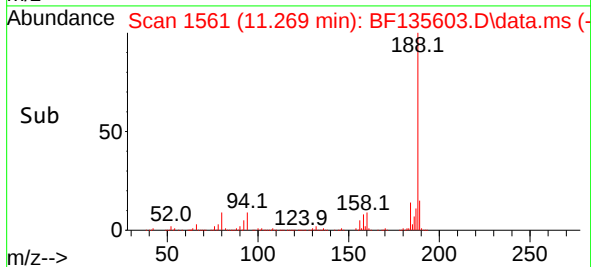
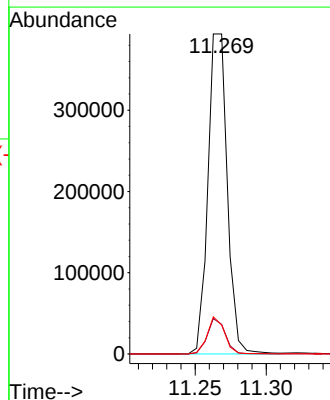
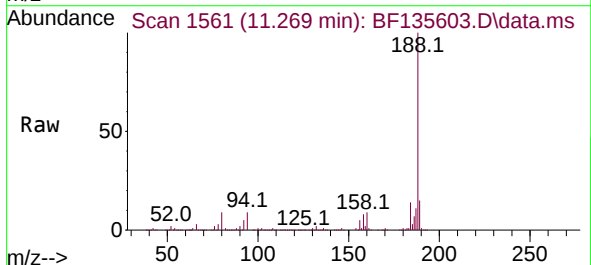
Instrument :
BNA_F
ClientSampleId :
WC-1

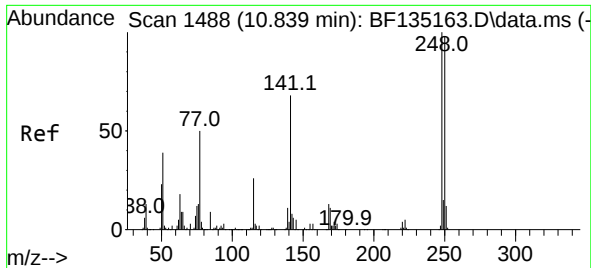
Tgt Ion:165 Resp: 27625
Ion Ratio Lower Upper
165 100
63 1.1 50.1 75.1#
89 1.4 59.3 88.9#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BF135603.D
Acq: 05 Oct 2023 17:03

Tgt Ion:188 Resp: 373020
Ion Ratio Lower Upper
188 100
94 9.2 7.0 10.6
80 9.0 7.5 11.3

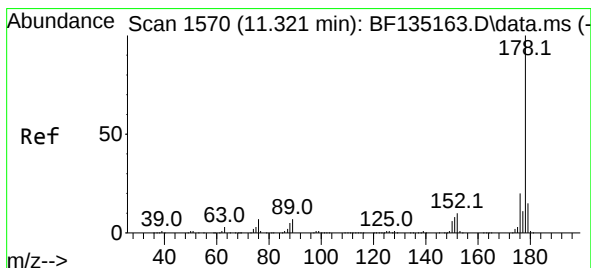
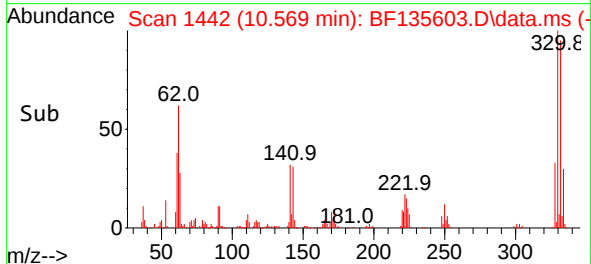
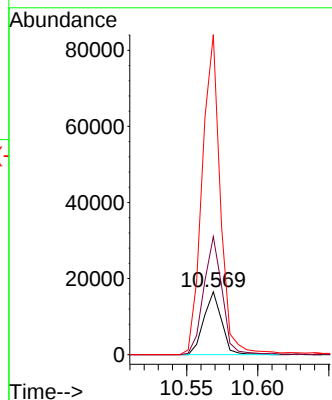
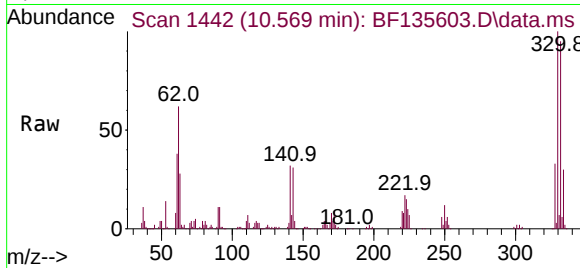




#67
4-Bromophenyl-phenylether
Concen: 3.912 ng
RT: 10.569 min Scan# 1488
Delta R.T. -0.241 min
Lab File: BF135603.D
Acq: 05 Oct 2023 17:03

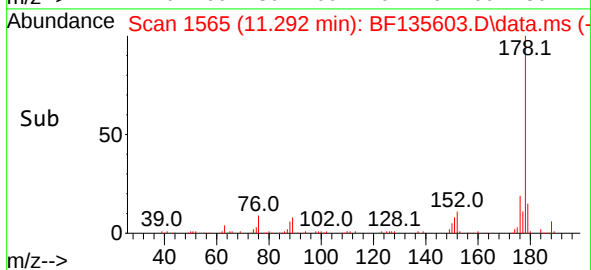
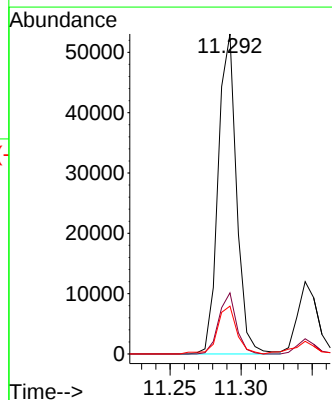
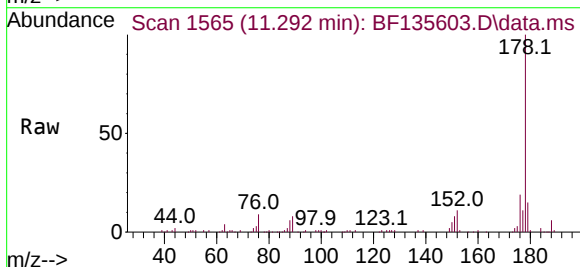
Instrument :
BNA_F
ClientSampleId :
WC-1

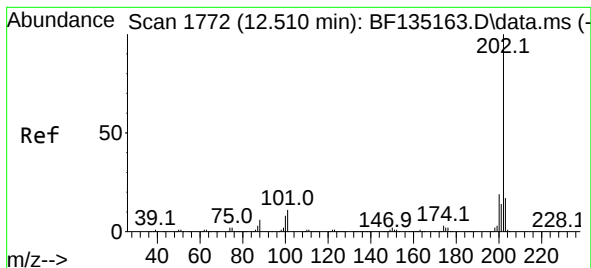
Tgt Ion:248 Resp: 14515
Ion Ratio Lower Upper
248 100
250 187.7 78.6 117.8#
141 508.4 54.2 81.2#



#71
Phenanthrene
Concen: 2.705 ng
RT: 11.292 min Scan# 1565
Delta R.T. 0.000 min
Lab File: BF135603.D
Acq: 05 Oct 2023 17:03

Tgt Ion:178 Resp: 47725
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 14.9 12.0 18.0





#75

Fluoranthene

Concen: 4.870 ng

RT: 12.486 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135603.D

Acq: 05 Oct 2023 17:03

Instrument :

BNA_F

ClientSampleId :

WC-1

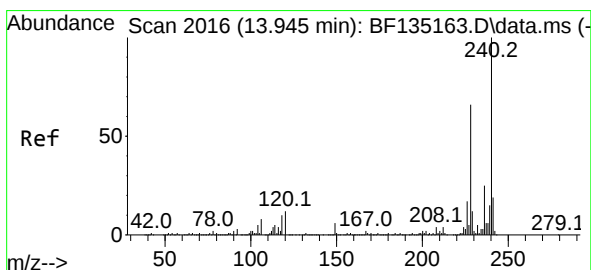
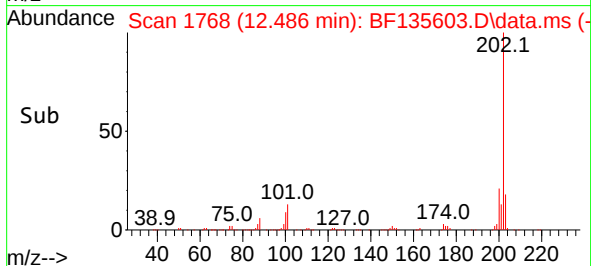
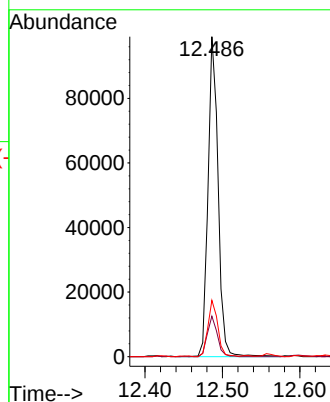
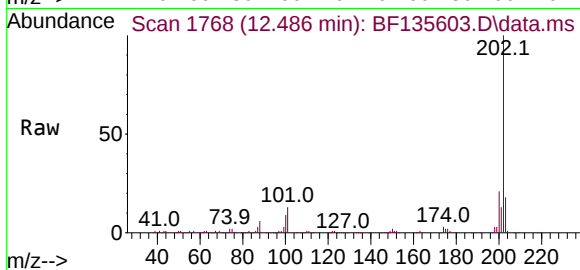
Tgt Ion:202 Resp: 89520

Ion Ratio Lower Upper

202 100

101 12.7 0.0 31.3

203 17.6 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.927 min Scan# 2013

Delta R.T. 0.000 min

Lab File: BF135603.D

Acq: 05 Oct 2023 17:03

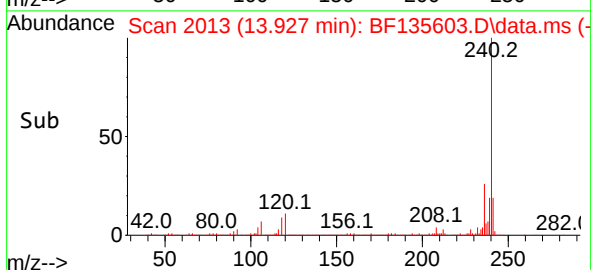
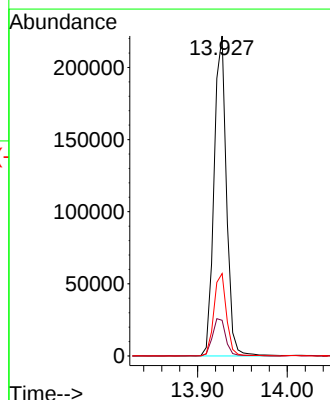
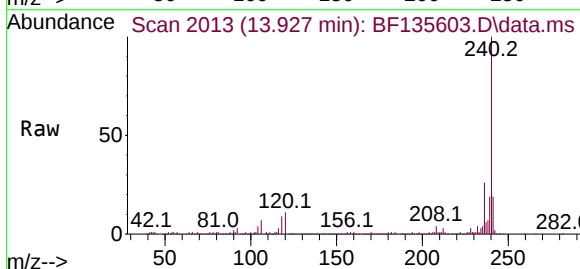
Tgt Ion:240 Resp: 213157

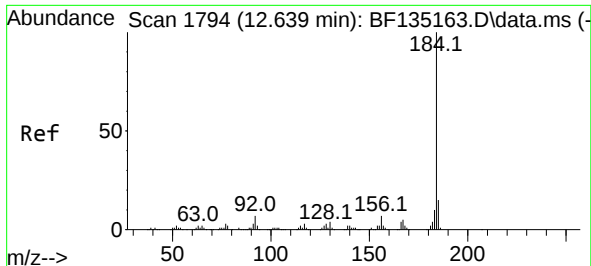
Ion Ratio Lower Upper

240 100

120 11.2 9.4 14.2

236 25.7 19.8 29.8

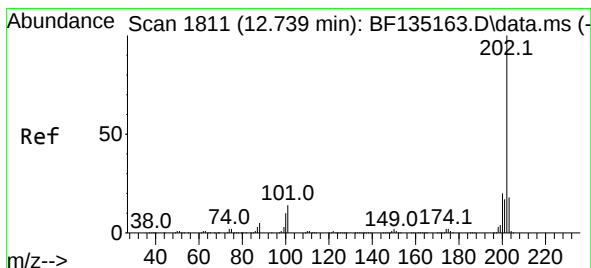
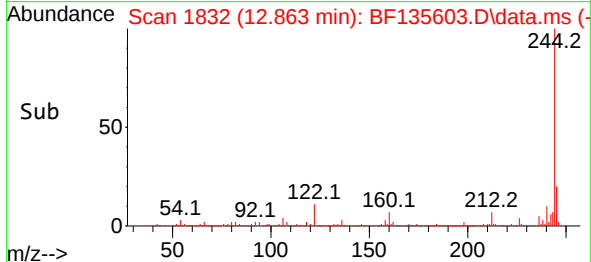
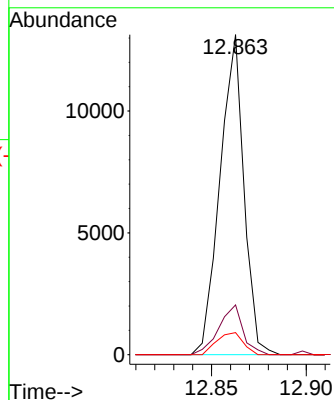
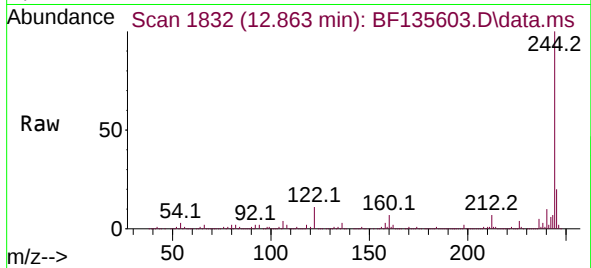




#77
Benzidine
Concen: 2.641 ng
RT: 12.863 min Scan# 11
Delta R.T. 0.247 min
Lab File: BF135603.D
Acq: 05 Oct 2023 17:03

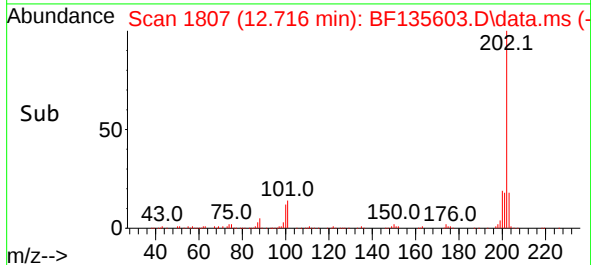
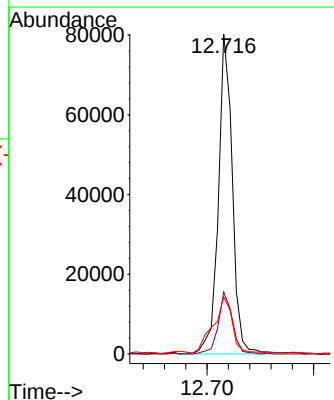
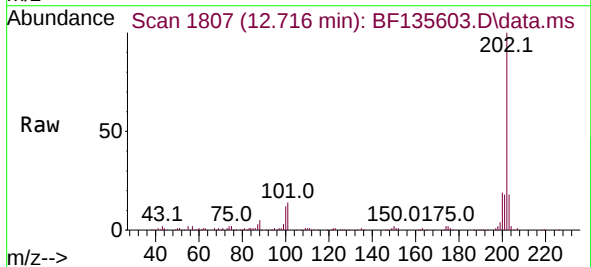
Instrument :
BNA_F
ClientSampleId :
WC-1

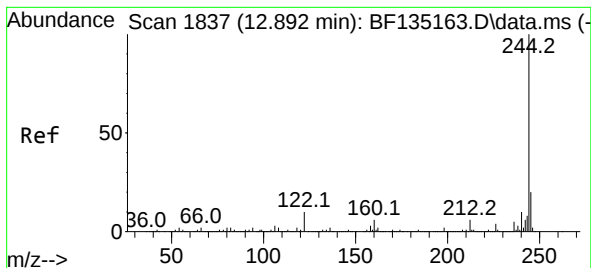
Tgt Ion:184 Resp: 11533
Ion Ratio Lower Upper
184 100
185 15.6 11.7 17.5
183 6.9 8.2 12.4#



#78
Pyrene
Concen: 3.594 ng
RT: 12.716 min Scan# 1807
Delta R.T. 0.000 min
Lab File: BF135603.D
Acq: 05 Oct 2023 17:03

Tgt Ion:202 Resp: 72931
Ion Ratio Lower Upper
202 100
200 19.3 16.2 24.2
203 17.8 14.2 21.4





#79

Terphenyl-d14

Concen: 64.435 ng

RT: 12.863 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135603.D

Acq: 05 Oct 2023 17:03

Instrument :

BNA_F

ClientSampleId :

WC-1

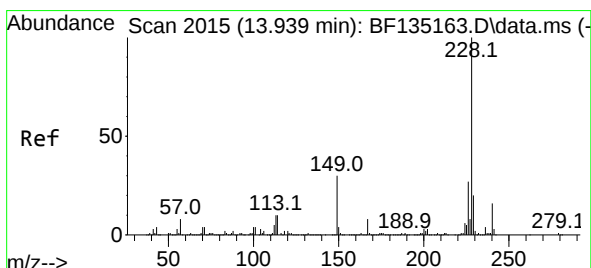
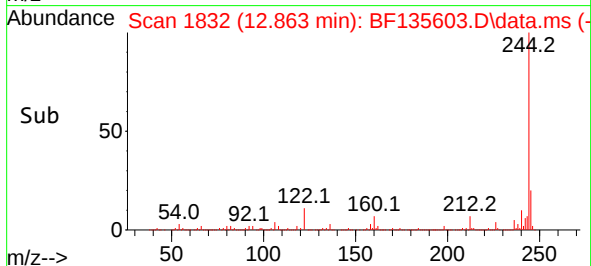
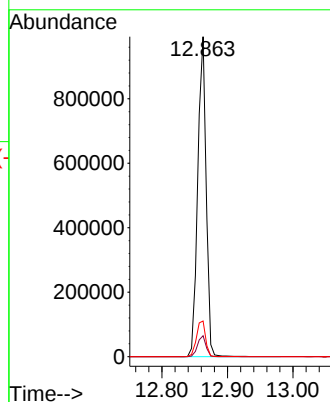
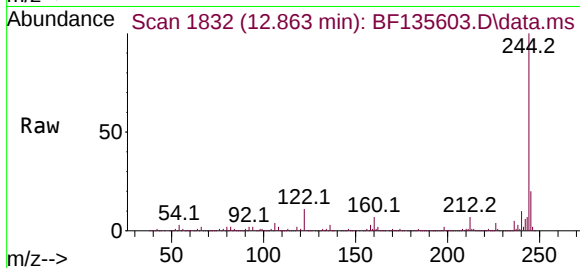
Tgt Ion:244 Resp: 886003

Ion Ratio Lower Upper

244 100

212 6.6 5.1 7.7

122 11.2 7.9 11.9



#81

Benzo(a)anthracene

Concen: 2.886 ng

RT: 13.916 min Scan# 2011

Delta R.T. 0.000 min

Lab File: BF135603.D

Acq: 05 Oct 2023 17:03

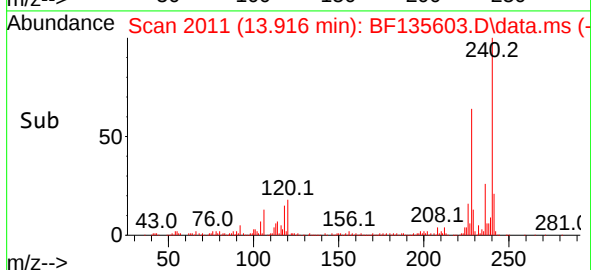
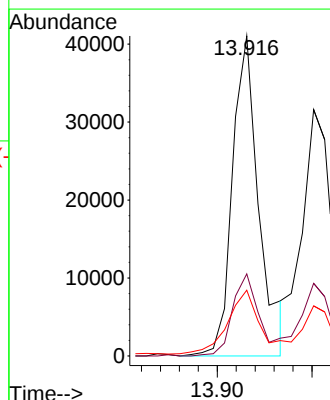
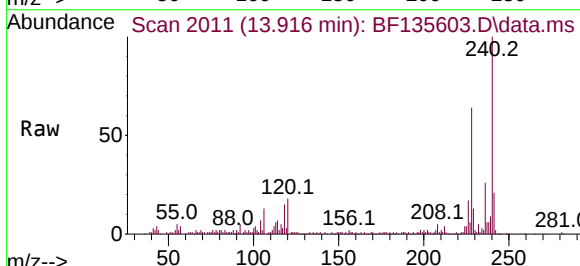
Tgt Ion:228 Resp: 39720

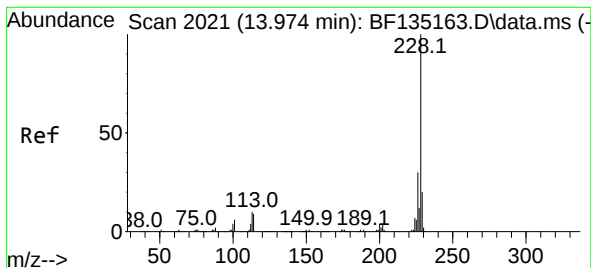
Ion Ratio Lower Upper

228 100

226 25.7 21.7 32.5

229 20.6 15.8 23.8





#83

Chrysene

Concen: 2.463 ng

RT: 13.951 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF135603.D

Acq: 05 Oct 2023 17:03

Instrument :

BNA_F

ClientSampleId :

WC-1

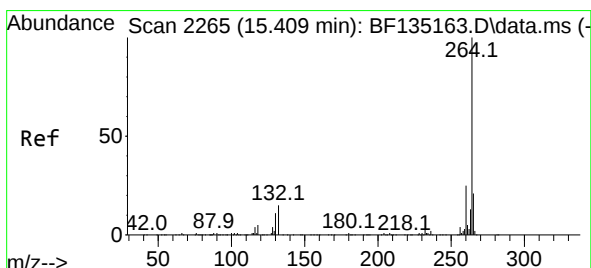
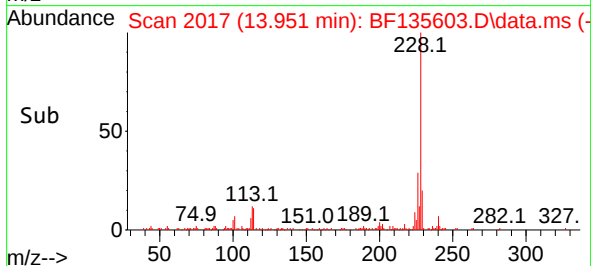
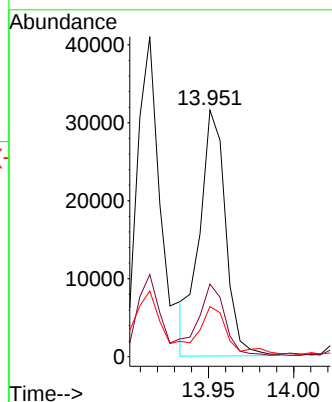
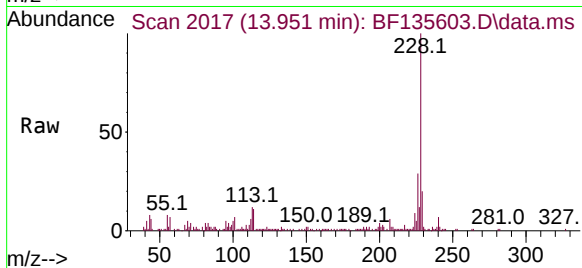
Tgt Ion:228 Resp: 33707

Ion Ratio Lower Upper

228 100

226 29.5 24.3 36.5

229 20.3 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.392 min Scan# 2262

Delta R.T. 0.006 min

Lab File: BF135603.D

Acq: 05 Oct 2023 17:03

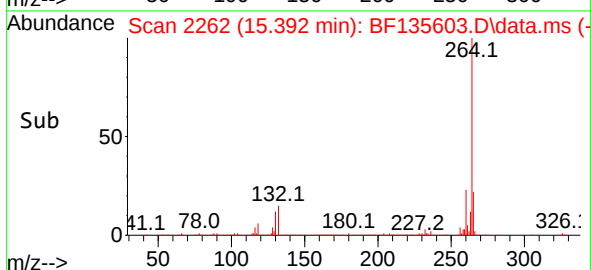
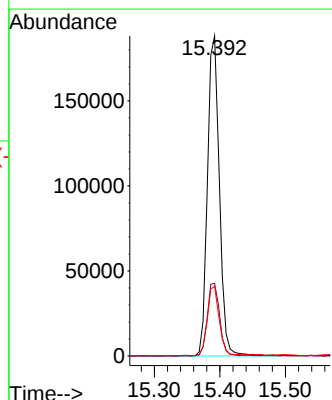
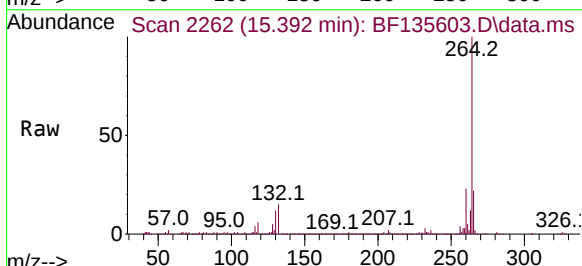
Tgt Ion:264 Resp: 238650

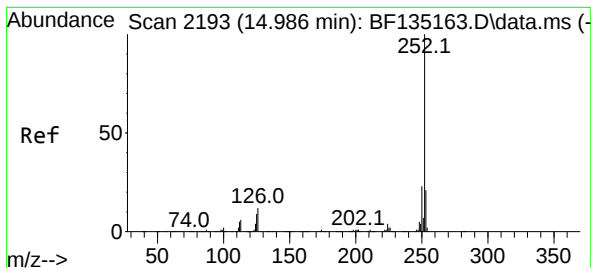
Ion Ratio Lower Upper

264 100

260 22.7 19.8 29.6

265 21.8 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 3.901 ng

RT: 14.968 min Scan# 2190

Delta R.T. 0.006 min

Lab File: BF135603.D

Acq: 05 Oct 2023 17:03

Instrument :

BNA_F

ClientSampleId :

WC-1

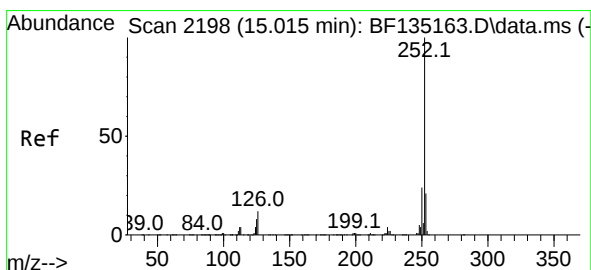
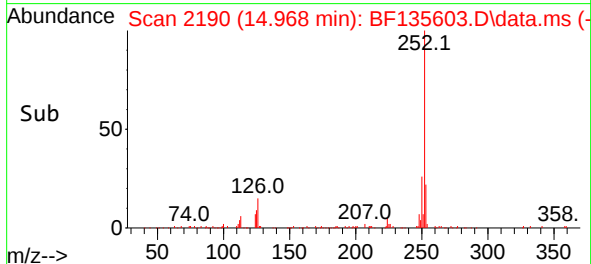
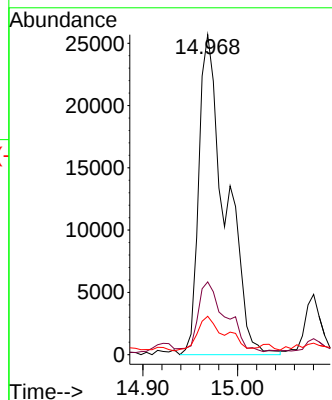
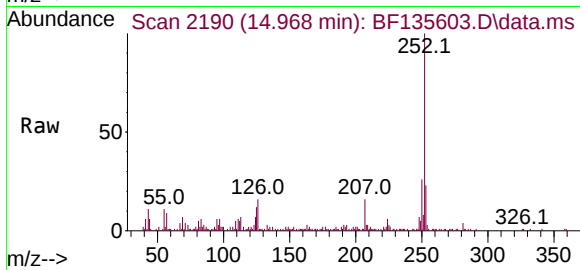
Tgt Ion:252 Resp: 50402

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

125 12.0 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 3.949 ng

RT: 14.968 min Scan# 2190

Delta R.T. -0.023 min

Lab File: BF135603.D

Acq: 05 Oct 2023 17:03

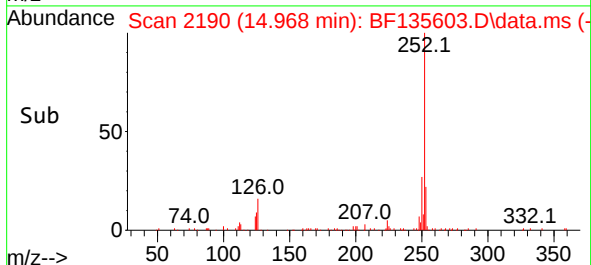
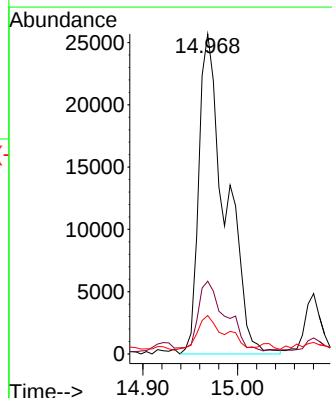
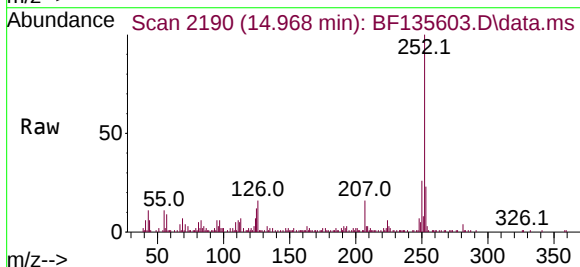
Tgt Ion:252 Resp: 50402

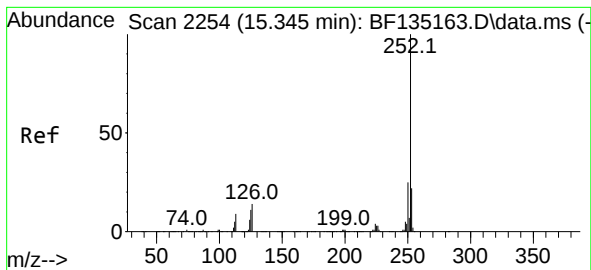
Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 12.0 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 2.305 ng

RT: 15.333 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135603.D

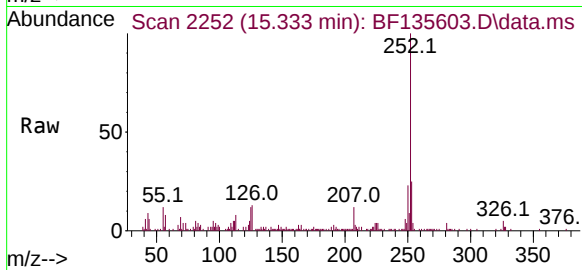
Acq: 05 Oct 2023 17:03

Instrument :

BNA_F

ClientSampleId :

WC-1



Tgt Ion:252 Resp: 28400

Ion Ratio Lower Upper

252 100

253 24.8 17.5 26.3

125 12.0 9.2 13.8

