

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
 Data File : BF138896.D
 Acq On : 09 Aug 2024 19:06
 Operator : RC/JU
 Sample : P3509-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-080724

Quant Time: Aug 09 23:30:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

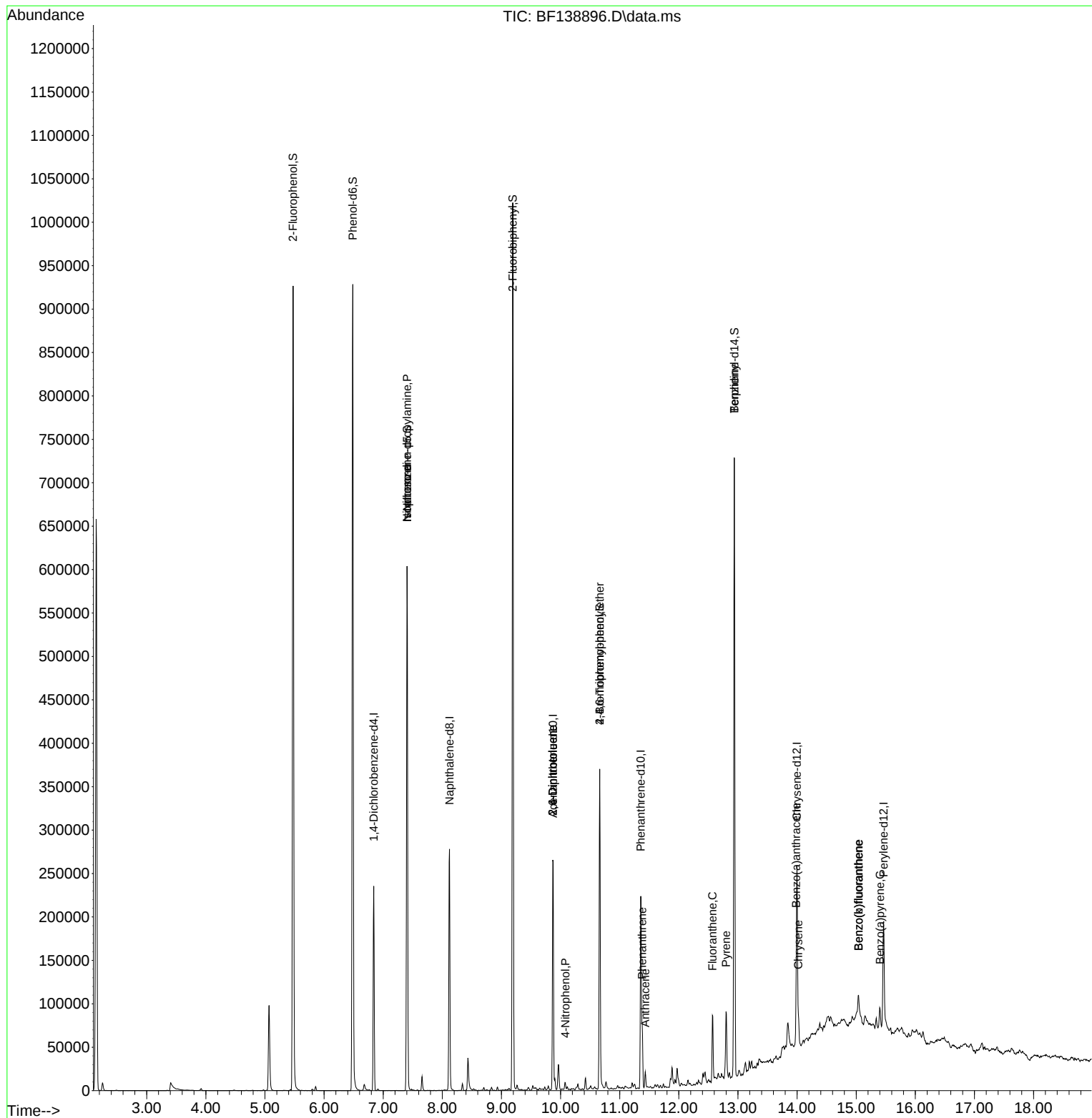
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	43663	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	164507	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	77670	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	109197	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	81740	20.000	ng	# 0.00
86) Perylene-d12	15.462	264	64065	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	305858	108.132	ng	0.00
7) Phenol-d6	6.487	99	406437	107.024	ng	0.00
23) Nitrobenzene-d5	7.404	82	257722	76.595	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	50505	79.383	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	415249	80.328	ng	-0.01
79) Terphenyl-d14	12.939	244	316045	64.735	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	35444	15.453	ng	# 78
25) Isophorone	7.404	82	255593	44.486	ng	# 66
51) 2,6-Dinitrotoluene	9.869	165	9891	8.825	ng	# 21
56) 4-Nitrophenol	10.080	139	1837	2.636	ng	# 1
57) 2,4-Dinitrotoluene	9.869	165	9891	6.917	ng	# 18
67) 4-Bromophenyl-phenylether	10.663	248	3793	3.208	ng	# 1
71) Phenanthrene	11.380	178	36466	6.485	ng	98
72) Anthracene	11.433	178	12005	2.167	ng	99
75) Fluoranthene	12.568	202	42511	8.099	ng	99
77) Benzidine	12.939	184	4821	2.466	ng	# 92
78) Pyrene	12.798	202	41529	5.396	ng	98
81) Benzo(a)anthracene	13.986	228	19751	3.509	ng	# 92
83) Chrysene	14.021	228	15108	2.975	ng	# 88
88) Benzo(b)fluoranthene	15.039	252	22222	5.596	ng	# 91
89) Benzo(k)fluoranthene	15.039	252	22222	6.463	ng	# 91
90) Benzo(a)pyrene	15.404	252	11177	3.346	ng	# 89

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

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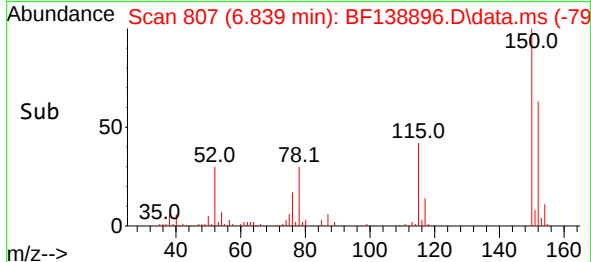
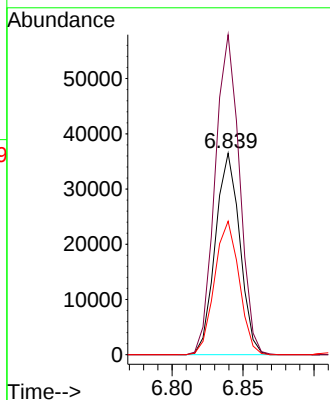
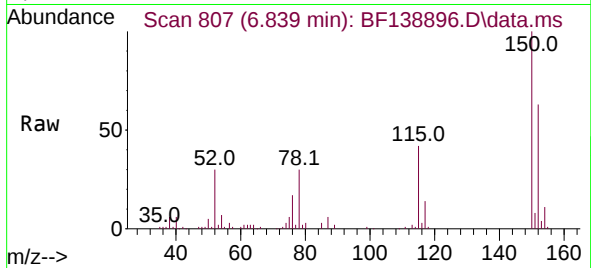




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF138896.D
Acq: 09 Aug 2024 19:06

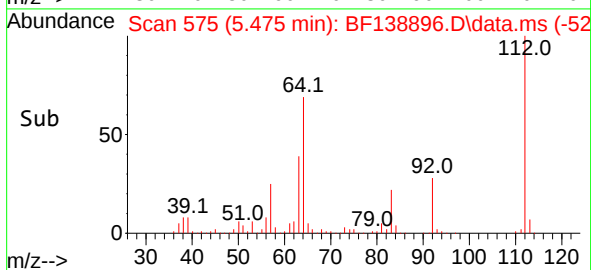
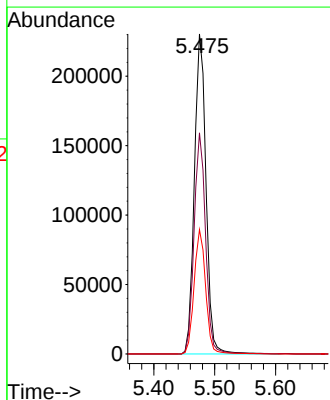
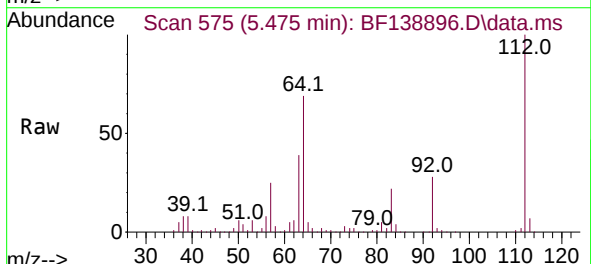
Instrument :
BNA_F
ClientSampleId :
OR-02-080724

Tgt Ion:152 Resp: 43663
Ion Ratio Lower Upper
152 100
150 158.8 126.0 189.0
115 66.3 51.7 77.5



#5
2-Fluorophenol
Concen: 108.132 ng
RT: 5.475 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF138896.D
Acq: 09 Aug 2024 19:06

Tgt Ion:112 Resp: 305858
Ion Ratio Lower Upper
112 100
64 69.1 54.2 81.4
63 38.8 28.7 43.1

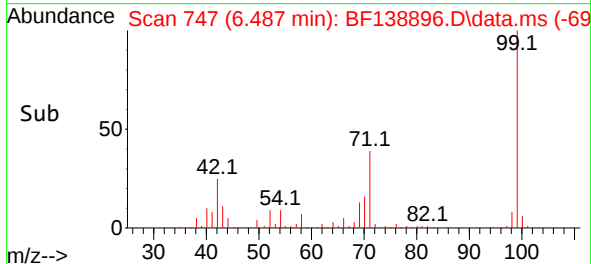
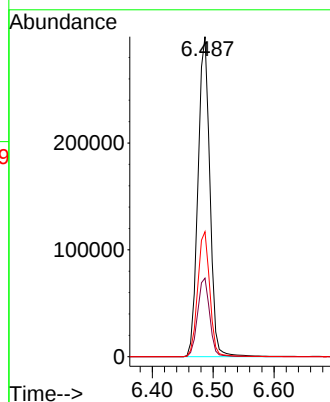
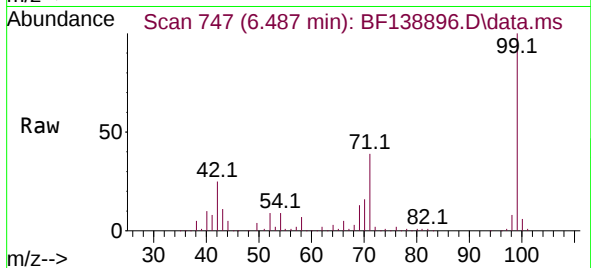




#7
Phenol-d6
Concen: 107.024 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF138896.D
Acq: 09 Aug 2024 19:06

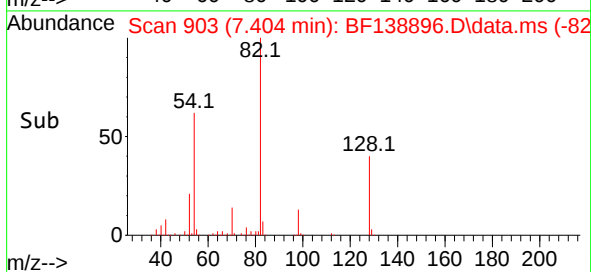
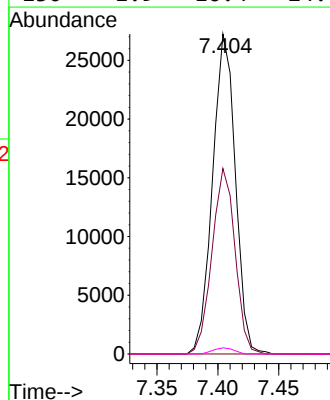
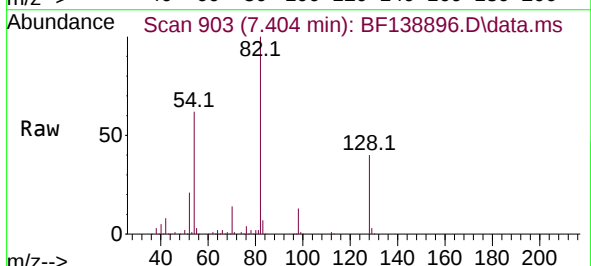
Instrument :
BNA_F
ClientSampleId :
OR-02-080724

Tgt Ion: 99 Resp: 406437
Ion Ratio Lower Upper
99 100
42 24.6 17.4 26.0
71 39.0 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 15.453 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.147 min
Lab File: BF138896.D
Acq: 09 Aug 2024 19:06

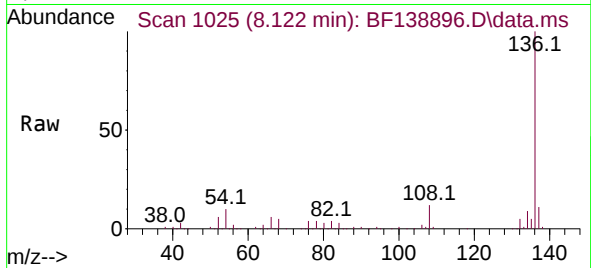
Tgt Ion: 70 Resp: 35444
Ion Ratio Lower Upper
70 100
42 57.9 57.4 86.0
101 0.0 7.5 11.3#
130 1.9 16.4 24.6#





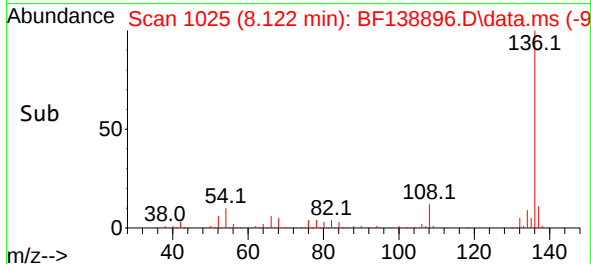
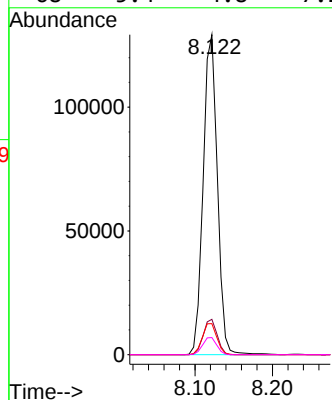
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138896.D
Acq: 09 Aug 2024 19:06

Instrument :
BNA_F
ClientSampleId :
OR-02-080724



Tgt Ion:136 Resp: 164507

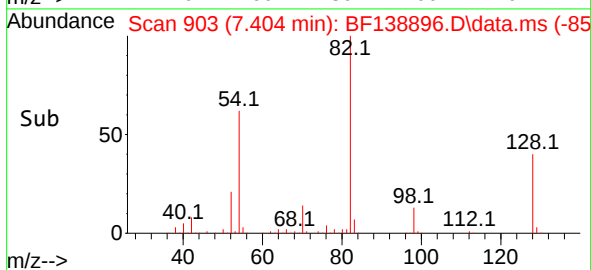
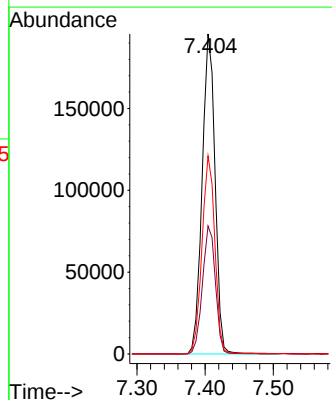
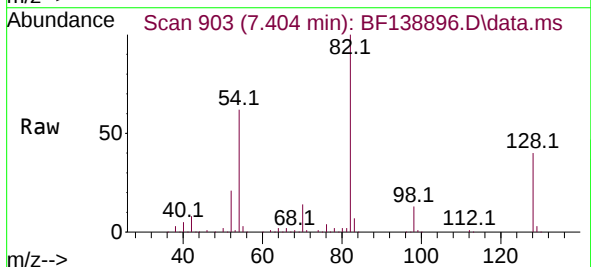
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.7	8.6	12.8
68	5.4	4.8	7.2

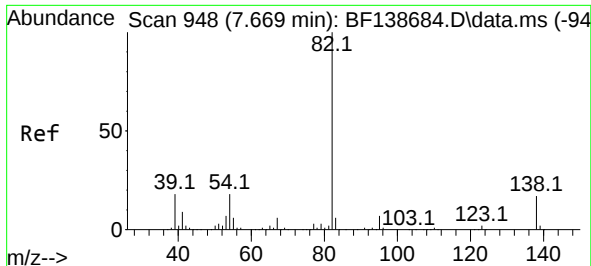


#23
Nitrobenzene-d5
Concen: 76.595 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF138896.D
Acq: 09 Aug 2024 19:06

Tgt Ion: 82 Resp: 257722

Ion	Ratio	Lower	Upper
82	100		
128	40.0	32.8	49.2
54	61.9	48.3	72.5

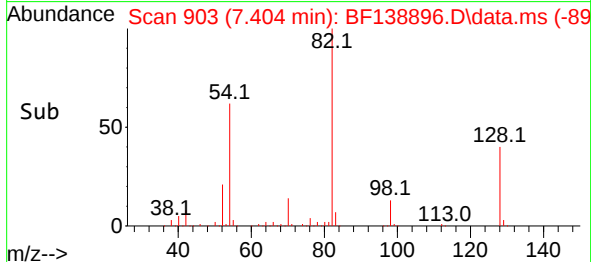
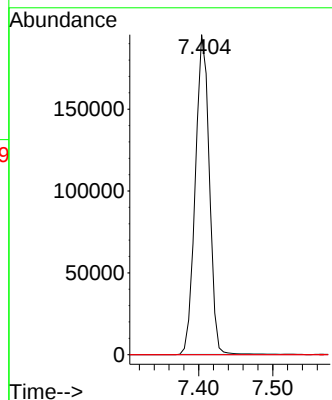
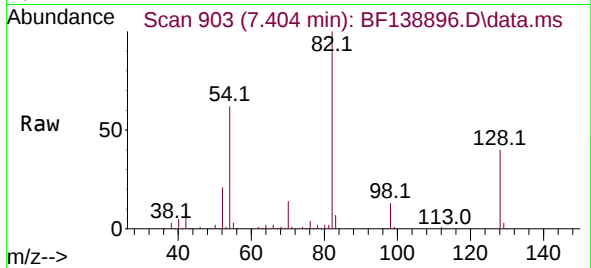




#25
Isophorone
Concen: 44.486 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF138896.D
Acq: 09 Aug 2024 19:06

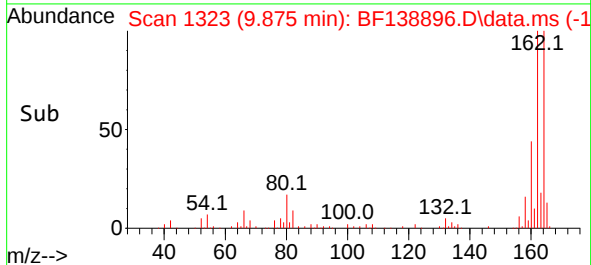
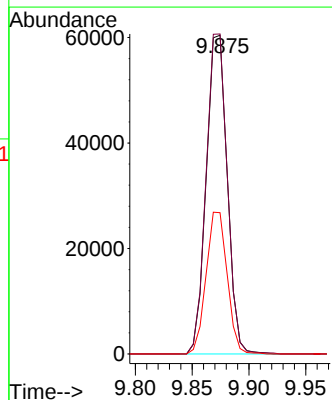
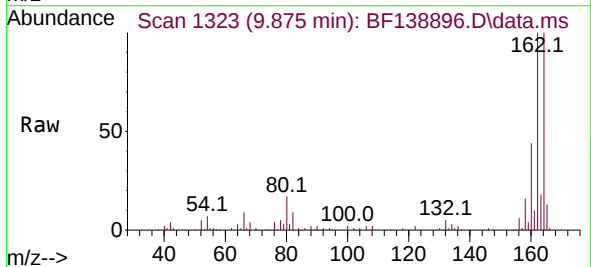
Instrument :
BNA_F
ClientSampleId :
OR-02-080724

Tgt Ion: 82 Resp: 255593
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.005 min
Lab File: BF138896.D
Acq: 09 Aug 2024 19:06

Tgt Ion:164 Resp: 77670
Ion Ratio Lower Upper
164 100
162 100.4 79.4 119.0
160 44.4 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 79.383 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.006 min

Lab File: BF138896.D

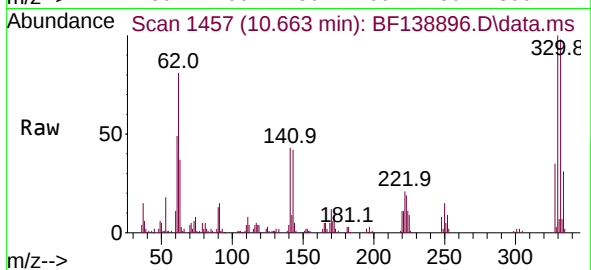
Acq: 09 Aug 2024 19:06

Instrument :

BNA_F

ClientSampleId :

OR-02-080724



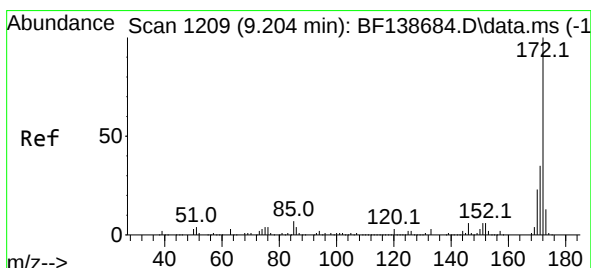
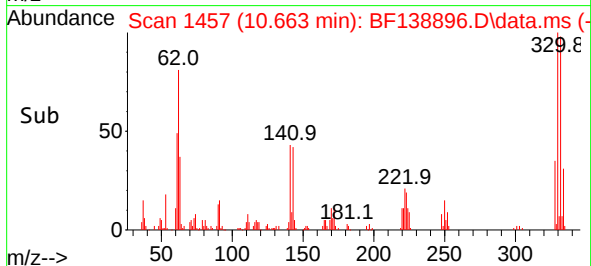
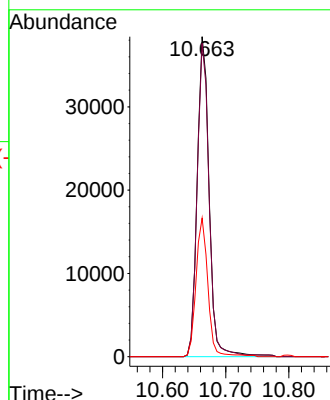
Tgt Ion:330 Resp: 50505

Ion Ratio Lower Upper

330 100

332 97.2 76.4 114.6

141 43.1 31.1 46.7



#45

2-Fluorobiphenyl

Concen: 80.328 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.012 min

Lab File: BF138896.D

Acq: 09 Aug 2024 19:06

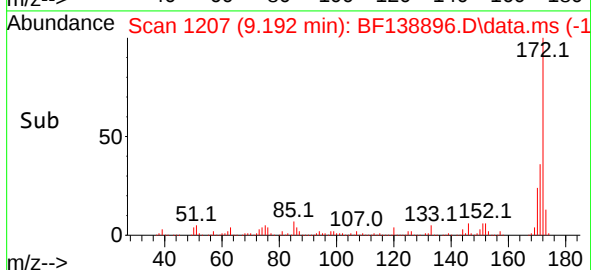
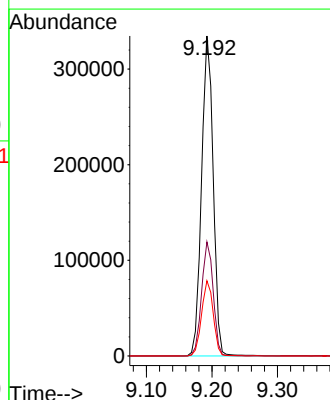
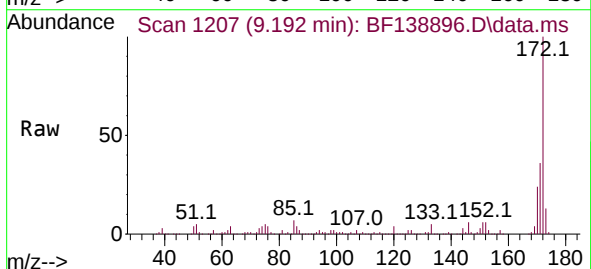
Tgt Ion:172 Resp: 415249

Ion Ratio Lower Upper

172 100

171 35.6 28.3 42.5

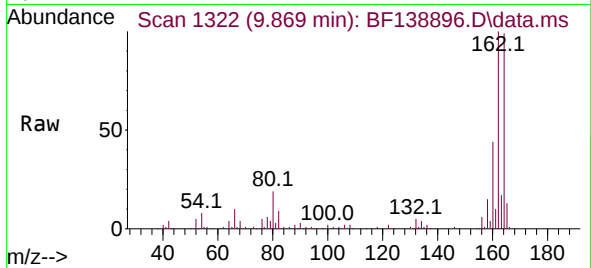
170 23.5 18.8 28.2



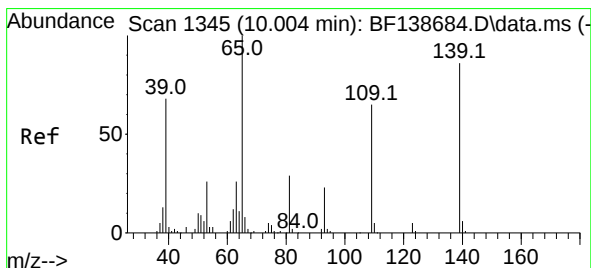
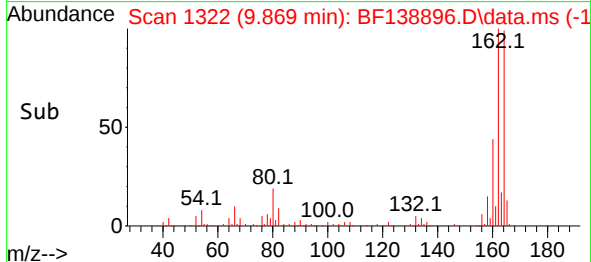
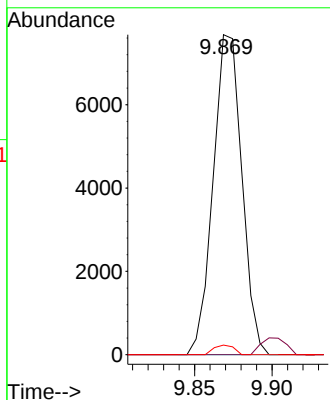


#51
2,6-Dinitrotoluene
Concen: 8.825 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF138896.D
Acq: 09 Aug 2024 19:06

Instrument :
BNA_F
ClientSampleId :
OR-02-080724

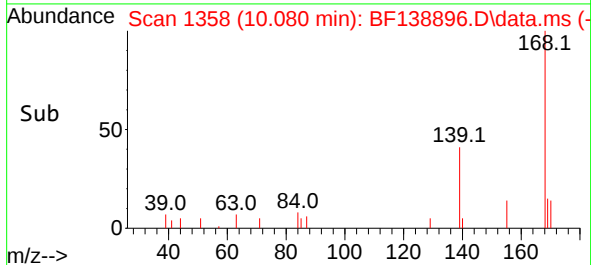
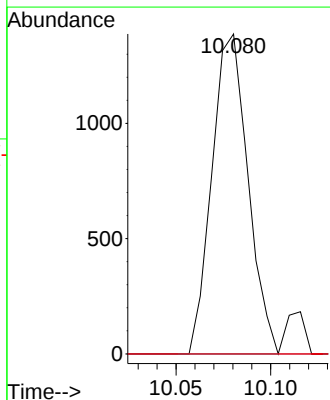
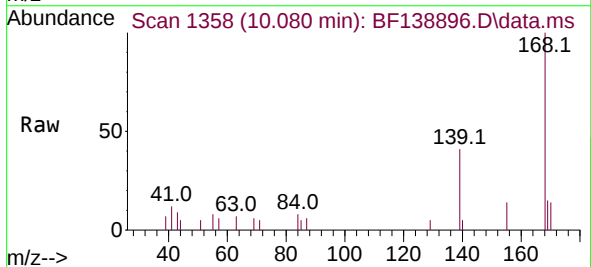


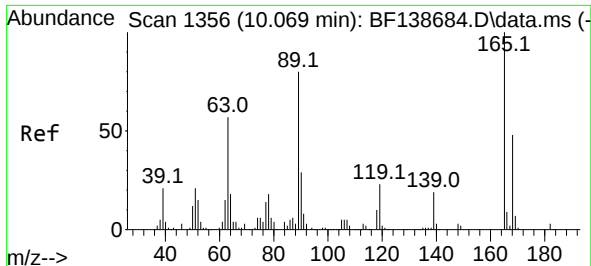
Tgt Ion:165 Resp: 9891
Ion Ratio Lower Upper
165 100
63 0.0 52.0 78.0#
89 3.0 47.0 70.6#



#56
4-Nitrophenol
Concen: 2.636 ng
RT: 10.080 min Scan# 1358
Delta R.T. 0.076 min
Lab File: BF138896.D
Acq: 09 Aug 2024 19:06

Tgt Ion:139 Resp: 1837
Ion Ratio Lower Upper
139 100
109 0.0 55.5 95.5#
65 0.0 96.7 136.7#

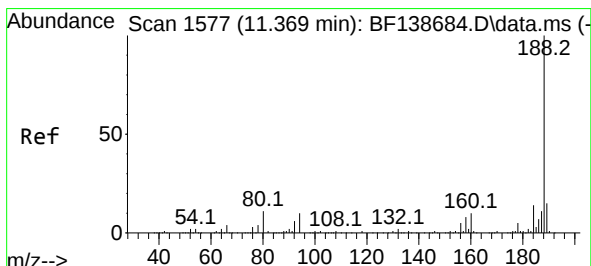
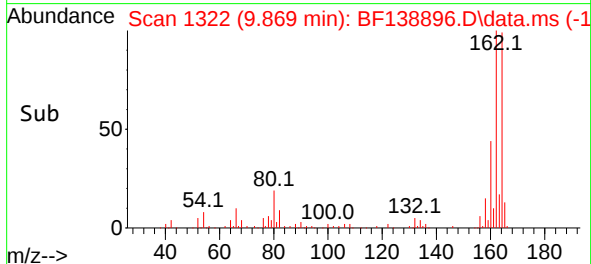
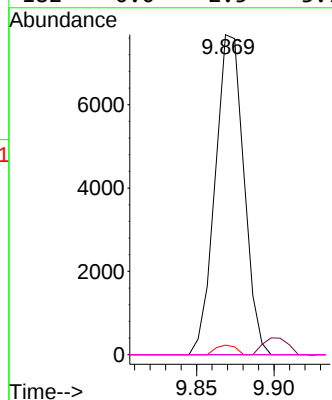
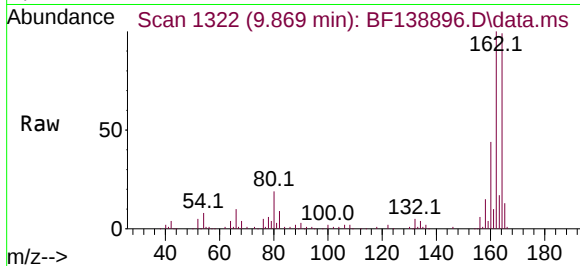




#57
2,4-Dinitrotoluene
Concen: 6.917 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF138896.D
Acq: 09 Aug 2024 19:06

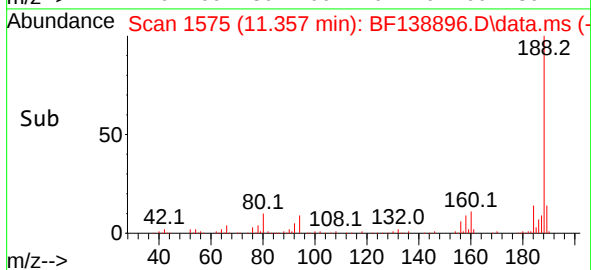
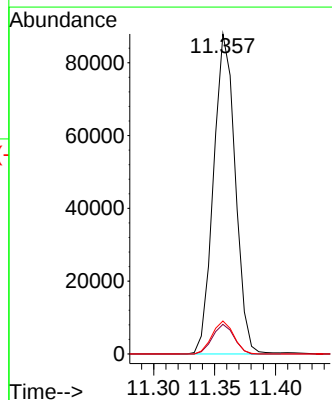
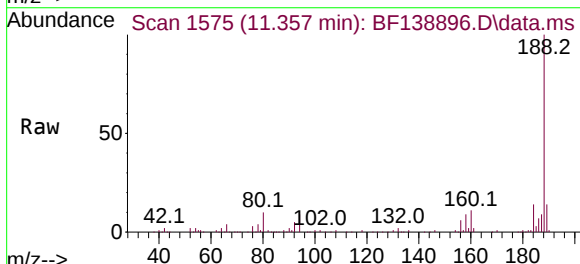
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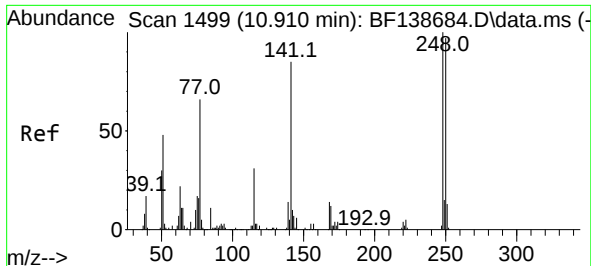
Tgt Ion:165 Resp: 9891
Ion Ratio Lower Upper
165 100
63 0.0 46.3 69.5#
89 3.0 64.2 96.4#
182 0.0 2.5 3.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF138896.D
Acq: 09 Aug 2024 19:06

Tgt Ion:188 Resp: 109197
Ion Ratio Lower Upper
188 100
94 9.3 7.6 11.4
80 10.3 8.6 12.8

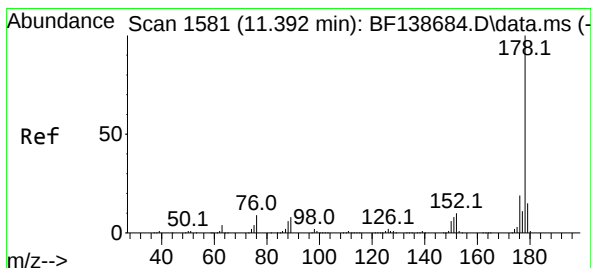
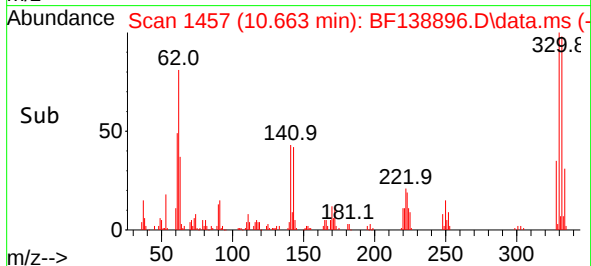
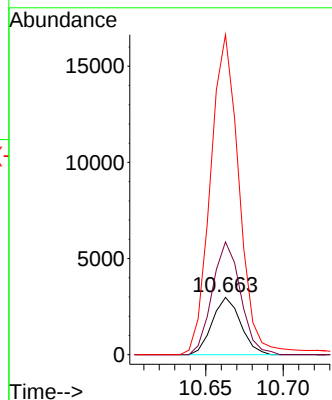
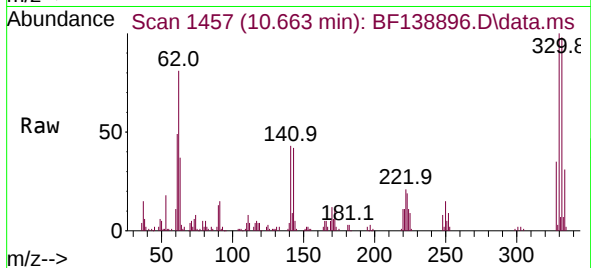




#67
4-Bromophenyl-phenylether
Concen: 3.208 ng
RT: 10.663 min Scan# 1499
Delta R.T. -0.247 min
Lab File: BF138896.D
Acq: 09 Aug 2024 19:06

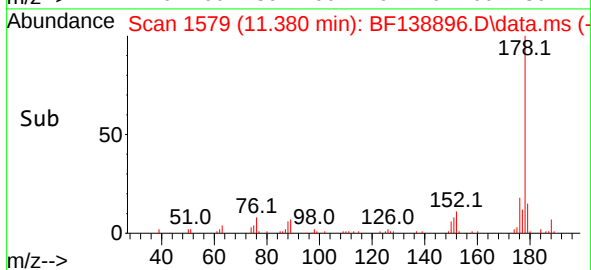
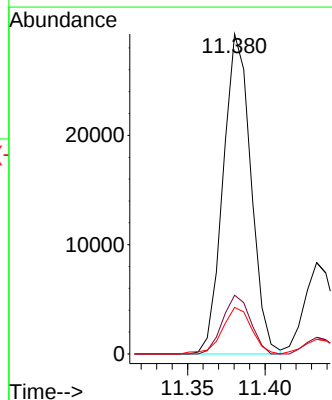
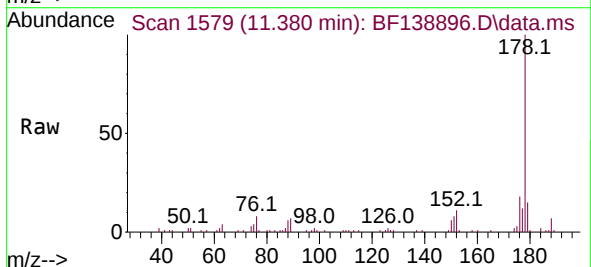
Instrument :
BNA_F
ClientSampleId :
OR-02-080724

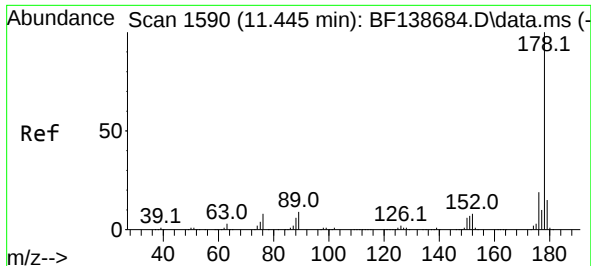
Tgt Ion:248 Resp: 3793
Ion Ratio Lower Upper
248 100
250 196.7 77.7 116.5#
141 558.0 68.0 102.0#



#71
Phenanthrene
Concen: 6.485 ng
RT: 11.380 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF138896.D
Acq: 09 Aug 2024 19:06

Tgt Ion:178 Resp: 36466
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 14.6 12.2 18.2

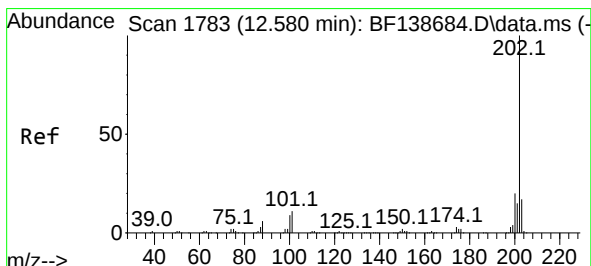
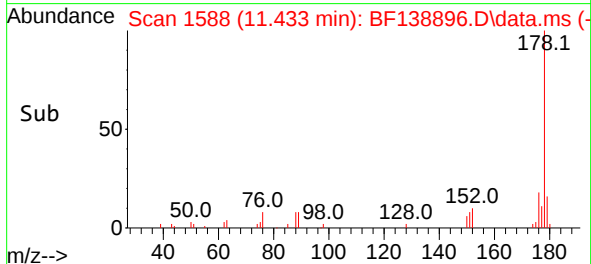
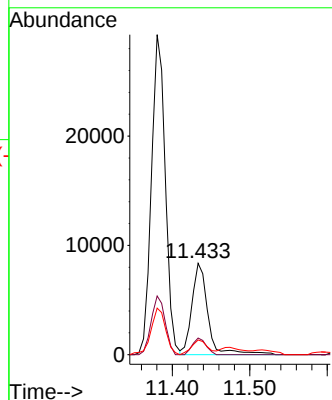
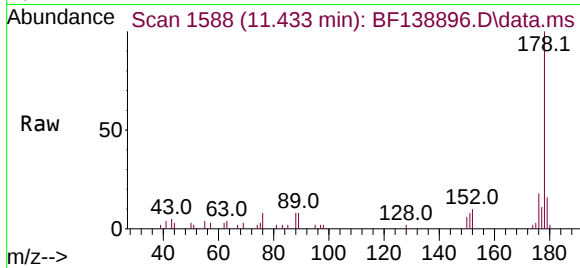




#72
 Anthracene
 Concen: 2.167 ng
 RT: 11.433 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF138896.D
 Acq: 09 Aug 2024 19:06

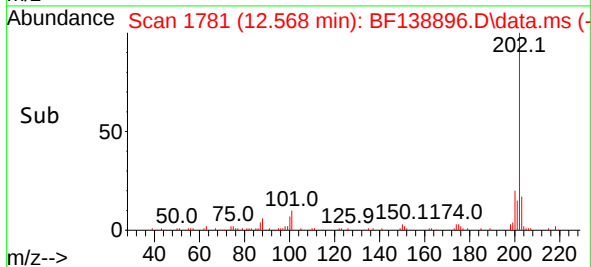
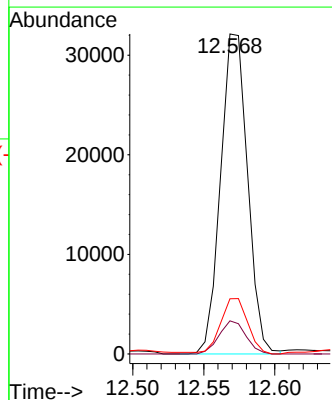
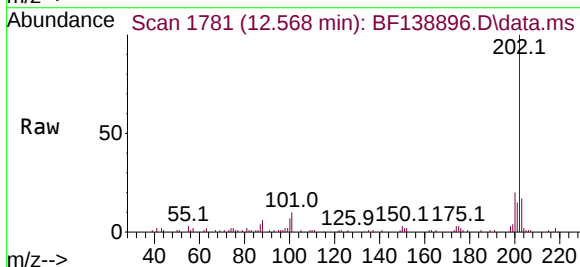
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-080724

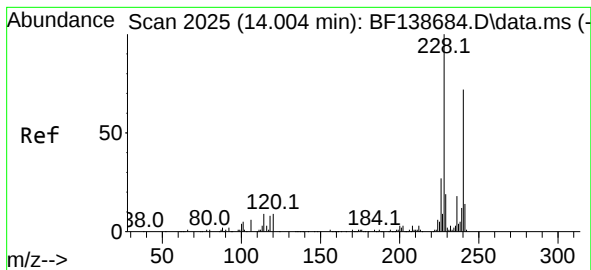
Tgt Ion:178 Resp: 12005
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.9 22.3
 179 16.1 12.4 18.6



#75
 Fluoranthene
 Concen: 8.099 ng
 RT: 12.568 min Scan# 1781
 Delta R.T. -0.012 min
 Lab File: BF138896.D
 Acq: 09 Aug 2024 19:06

Tgt Ion:202 Resp: 42511
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 31.2
 203 17.3 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF138896.D

Acq: 09 Aug 2024 19:06

Instrument :

BNA_F

ClientSampleId :

OR-02-080724

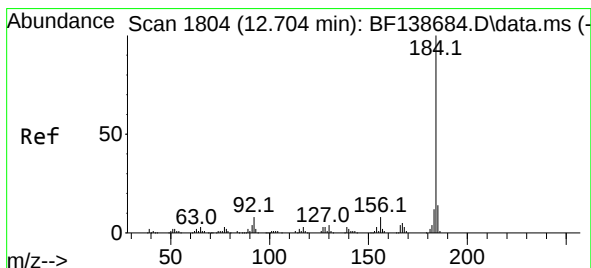
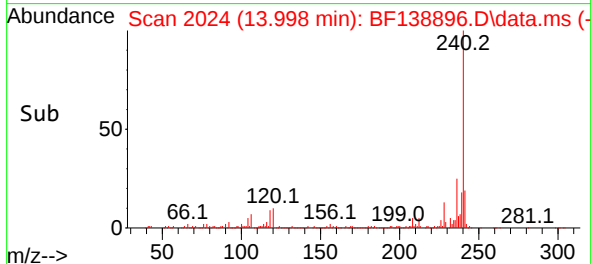
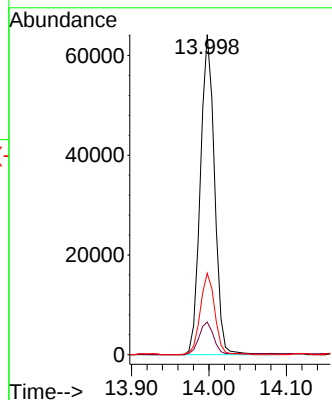
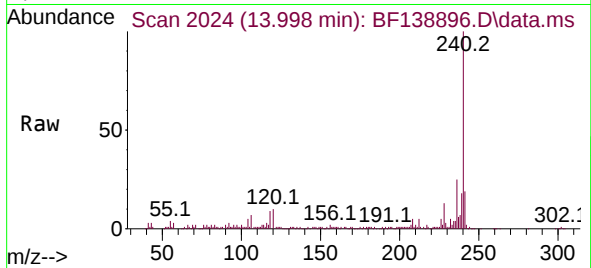
Tgt Ion:240 Resp: 81740

Ion Ratio Lower Upper

240 100

120 10.2 10.2 15.4#

236 25.5 19.8 29.8



#77

Benzidine

Concen: 2.466 ng

RT: 12.939 min Scan# 1844

Delta R.T. 0.235 min

Lab File: BF138896.D

Acq: 09 Aug 2024 19:06

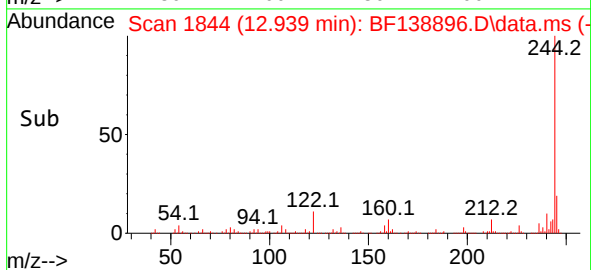
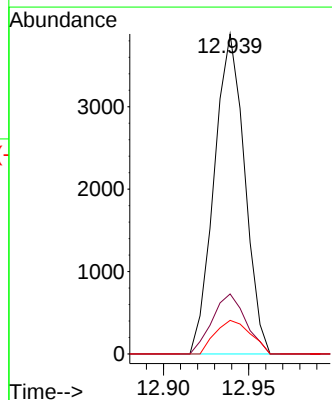
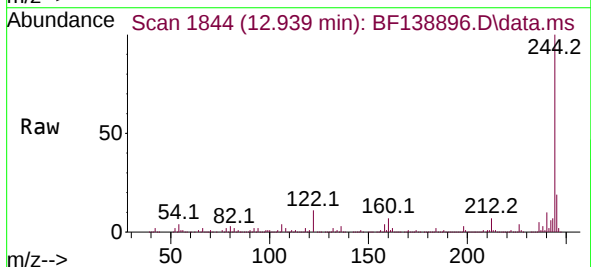
Tgt Ion:184 Resp: 4821

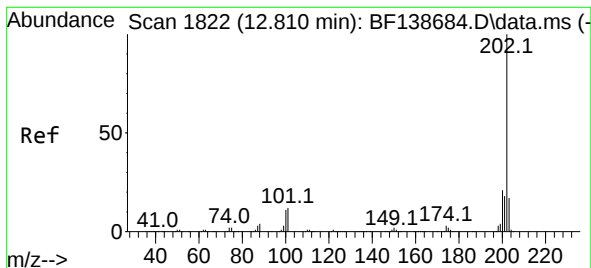
Ion Ratio Lower Upper

184 100

185 18.7 11.1 16.7#

183 10.5 9.6 14.4





#78

Pyrene

Concen: 5.396 ng

RT: 12.798 min Scan# 1820

Delta R.T. -0.012 min

Lab File: BF138896.D

Acq: 09 Aug 2024 19:06

Instrument :

BNA_F

ClientSampleId :

OR-02-080724

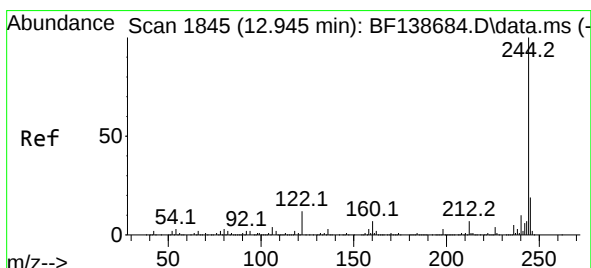
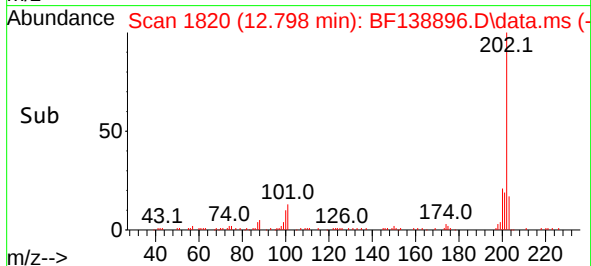
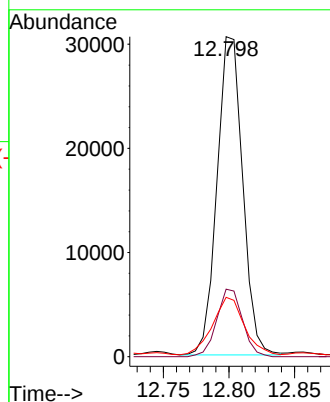
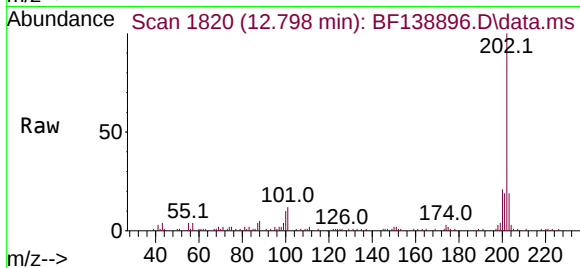
Tgt Ion:202 Resp: 41529

Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

203 18.5 13.8 20.6



#79

Terphenyl-d14

Concen: 64.735 ng

RT: 12.939 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF138896.D

Acq: 09 Aug 2024 19:06

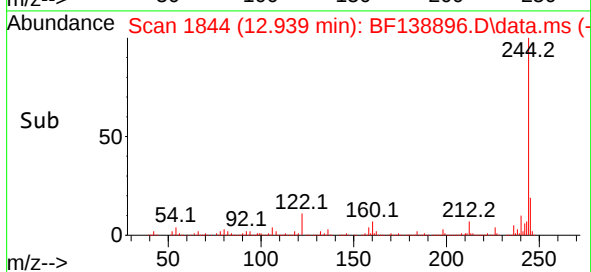
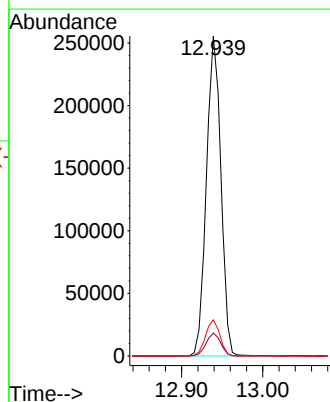
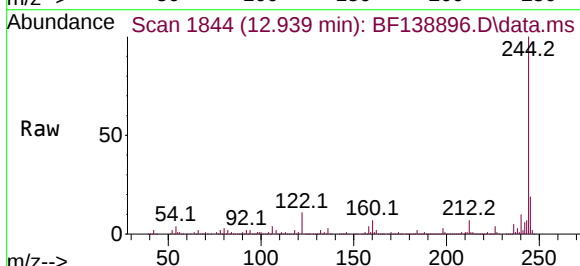
Tgt Ion:244 Resp: 316045

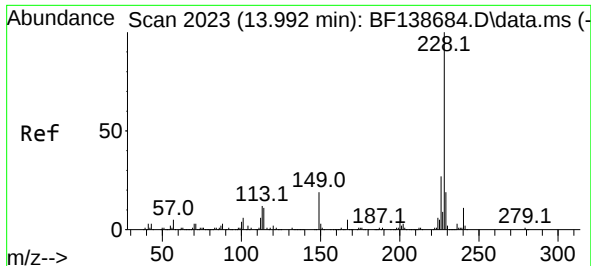
Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.2

122 11.3 9.6 14.4

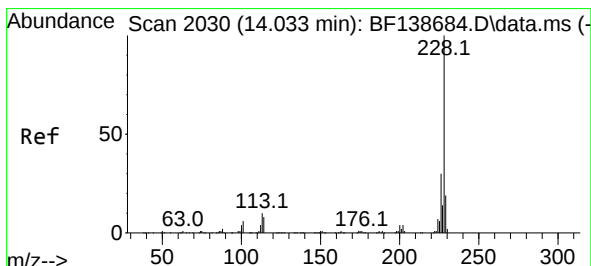
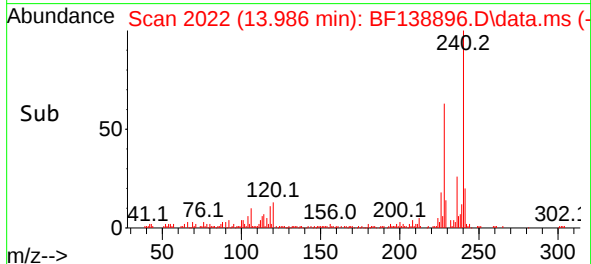
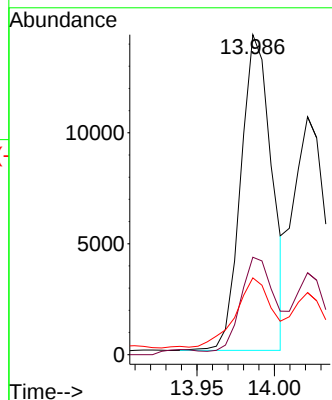
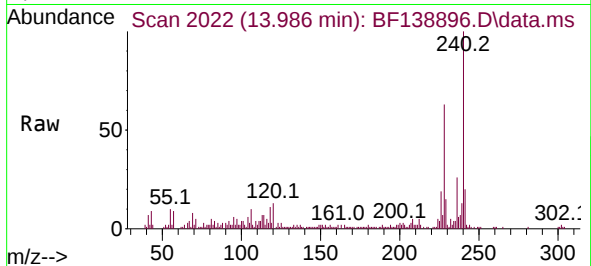




#81
Benzo(a)anthracene
Concen: 3.509 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF138896.D
Acq: 09 Aug 2024 19:06

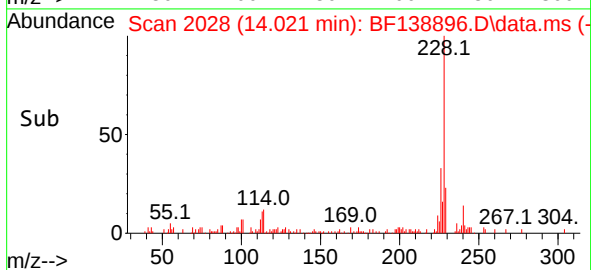
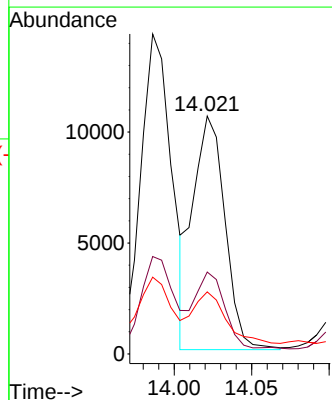
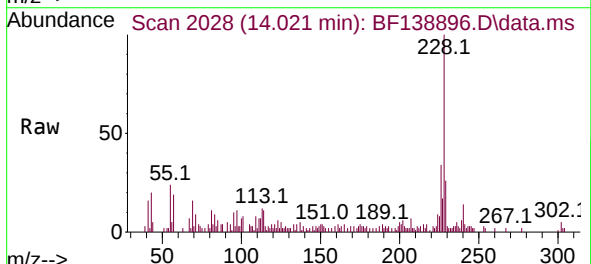
Instrument :
BNA_F
ClientSampleId :
OR-02-080724

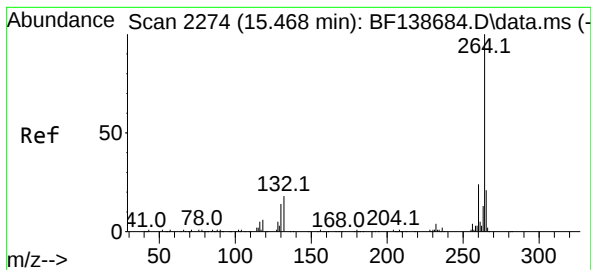
Tgt Ion:228 Resp: 19751
Ion Ratio Lower Upper
228 100
226 30.4 22.1 33.1
229 24.0 15.4 23.0#



#83
Chrysene
Concen: 2.975 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF138896.D
Acq: 09 Aug 2024 19:06

Tgt Ion:228 Resp: 15108
Ion Ratio Lower Upper
228 100
226 34.4 23.7 35.5
229 26.1 15.0 22.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138896.D

Acq: 09 Aug 2024 19:06

Instrument :

BNA_F

ClientSampleId :

OR-02-080724

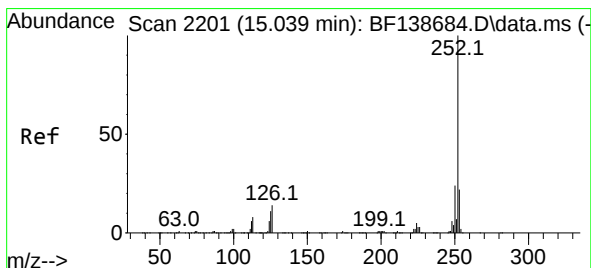
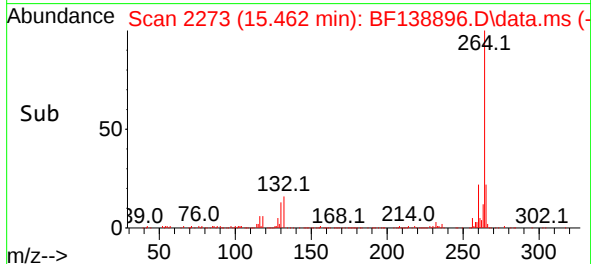
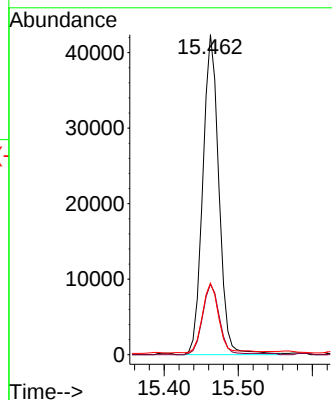
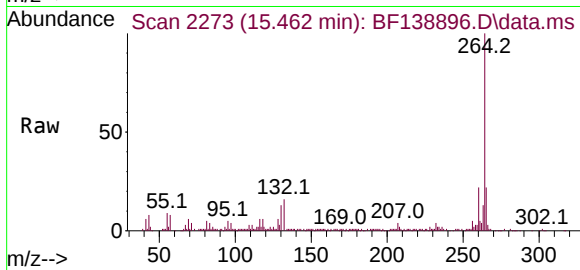
Tgt Ion:264 Resp: 64065

Ion Ratio Lower Upper

264 100

260 22.1 19.0 28.6

265 22.3 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 5.596 ng

RT: 15.039 min Scan# 2201

Delta R.T. -0.000 min

Lab File: BF138896.D

Acq: 09 Aug 2024 19:06

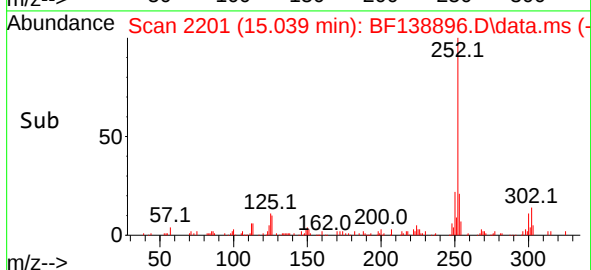
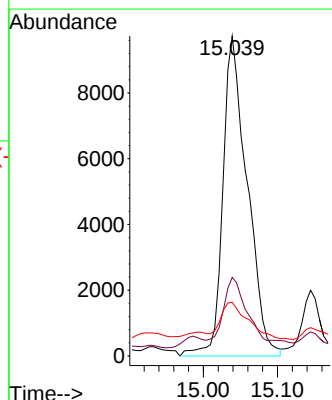
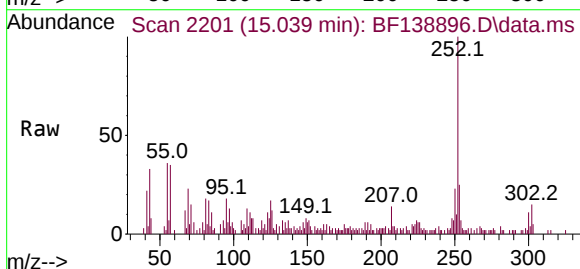
Tgt Ion:252 Resp: 22222

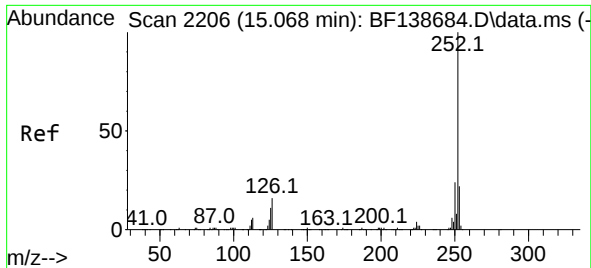
Ion Ratio Lower Upper

252 100

253 24.6 17.5 26.3

125 16.8 8.9 13.3#

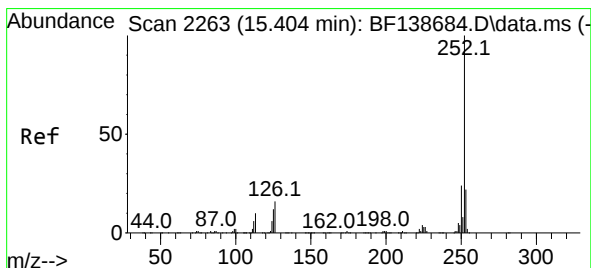
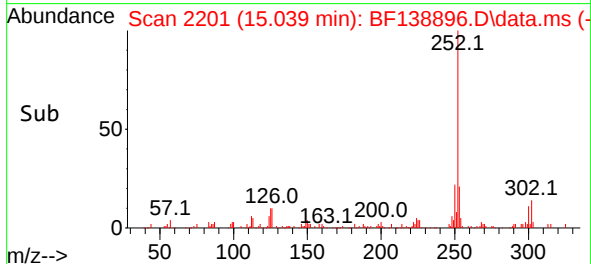
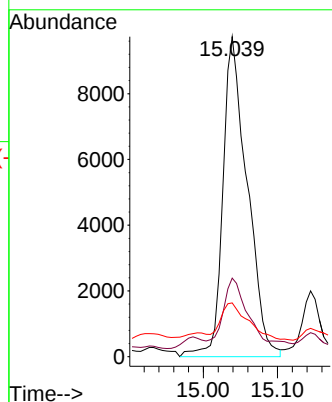
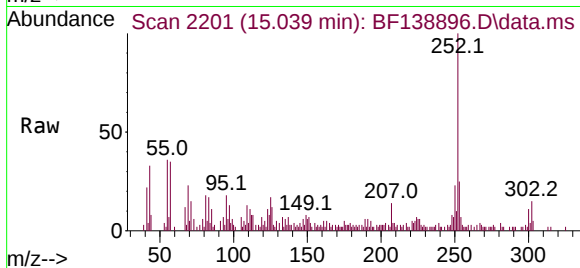




#89
Benzo(k)fluoranthene
Concen: 6.463 ng
RT: 15.039 min Scan# 21
Delta R.T. -0.030 min
Lab File: BF138896.D
Acq: 09 Aug 2024 19:06

Instrument :
BNA_F
ClientSampleId :
OR-02-080724

Tgt Ion:252 Resp: 22222
Ion Ratio Lower Upper
252 100
253 24.6 17.4 26.0
125 16.8 8.6 13.0#



#90
Benzo(a)pyrene
Concen: 3.346 ng
RT: 15.404 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BF138896.D
Acq: 09 Aug 2024 19:06

Tgt Ion:252 Resp: 11177
Ion Ratio Lower Upper
252 100
253 24.8 17.3 25.9
125 18.8 9.5 14.3#

