

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
 Data File : BF138790.D
 Acq On : 05 Aug 2024 17:35
 Operator : RC/JU
 Sample : P3441-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-08012024

Quant Time: Aug 05 17:59:09 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)

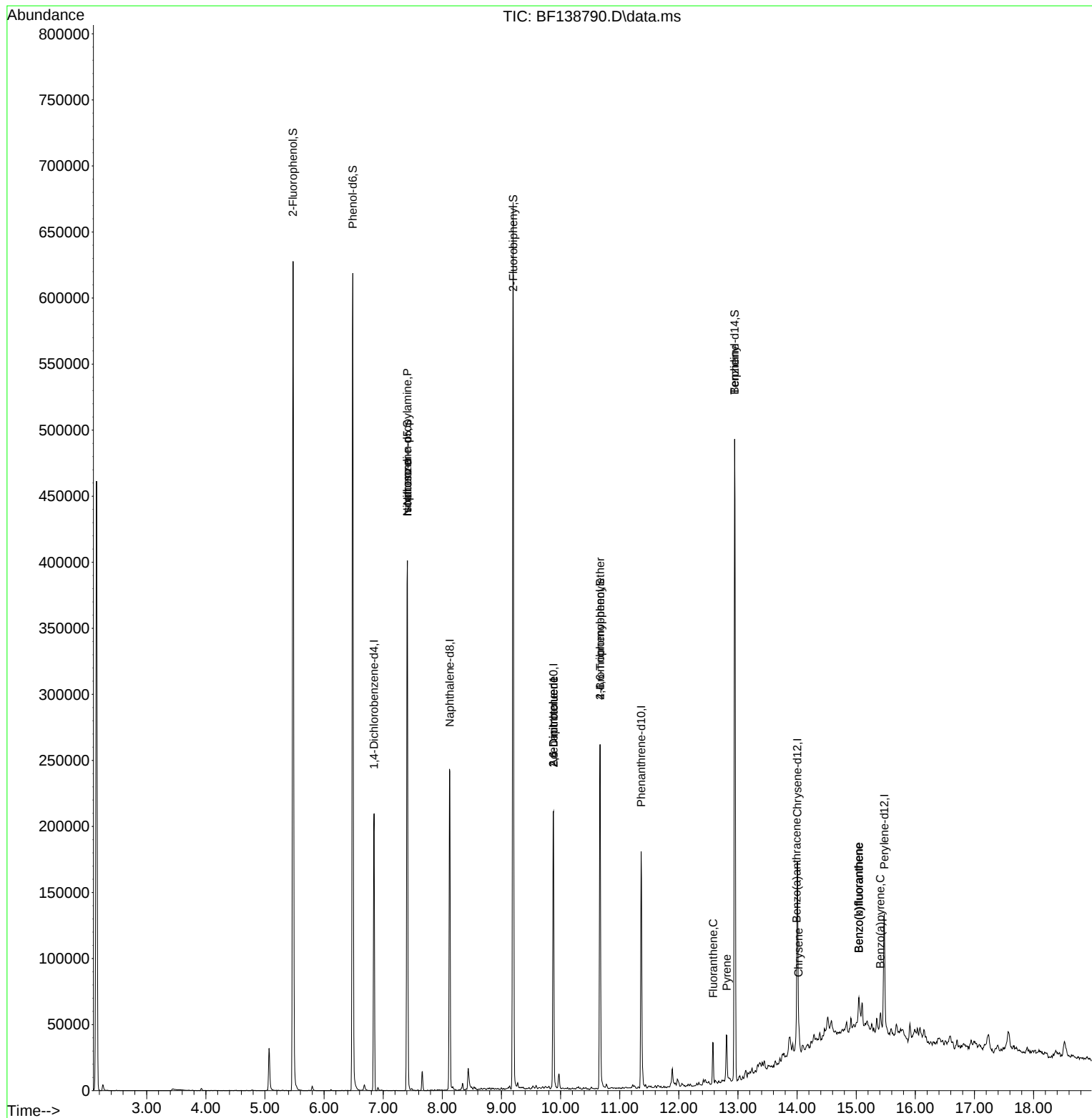
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	41049	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	149415	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	64127	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	91322	20.000	ng	0.00
76) Chrysene-d12	14.004	240	57572	20.000	ng	0.00
86) Perylene-d12	15.474	264	46847	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	215381	80.994	ng	0.00
7) Phenol-d6	6.487	99	271455	76.032	ng	0.00
23) Nitrobenzene-d5	7.410	82	170042	55.641	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	39089	74.415	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	278468	65.245	ng	0.00
79) Terphenyl-d14	12.945	244	224020	65.148	ng	0.00
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.410	70	23888	11.078	ng	# 76
25) Isophorone	7.410	82	168459	32.282	ng	# 66
51) 2,6-Dinitrotoluene	9.880	165	8235	8.899	ng	# 19
57) 2,4-Dinitrotoluene	9.880	165	8235	6.975	ng	# 16
67) 4-Bromophenyl-phenylether	10.669	248	2701	2.732	ng	# 1
75) Fluoranthene	12.580	202	18437	4.200	ng	98
77) Benzidine	12.945	184	3105	2.255	ng	# 90
78) Pyrene	12.810	202	20431	3.769	ng	98
81) Benzo(a)anthracene	13.992	228	9480	2.391	ng	# 95
83) Chrysene	14.027	228	9450	2.642	ng	# 89
88) Benzo(b)fluoranthene	15.045	252	13074	4.502	ng	# 83
89) Benzo(k)fluoranthene	15.045	252	13074	5.200	ng	# 82
90) Benzo(a)pyrene	15.410	252	6404	2.622	ng	# 84

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

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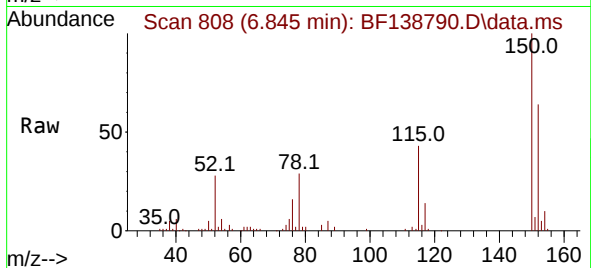
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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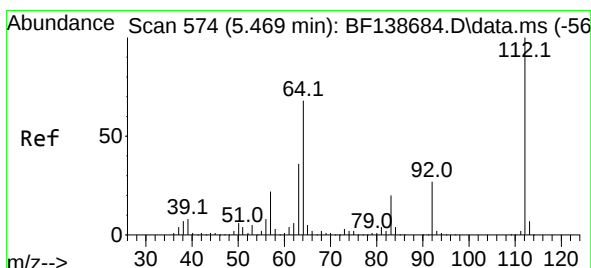
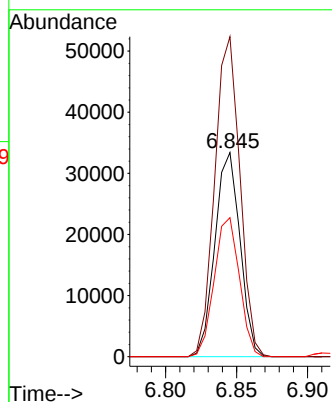
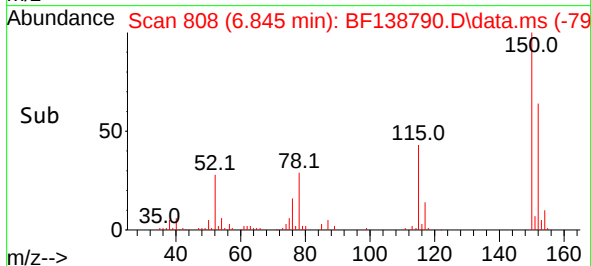


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF138790.D
Acq: 05 Aug 2024 17:35

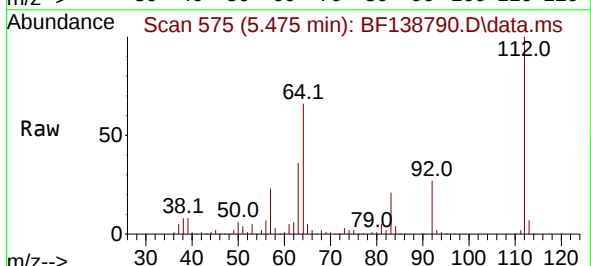
Instrument :
BNA_F
ClientSampleId :
BU-02-08012024



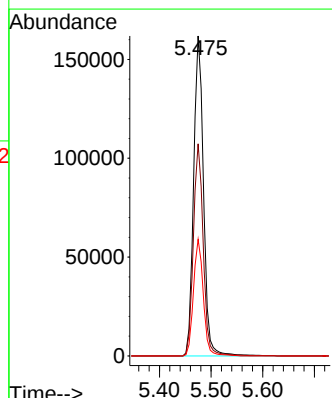
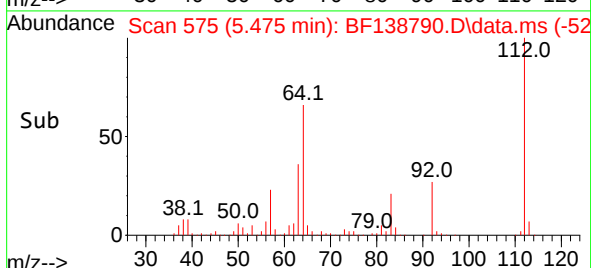
Tgt Ion:152 Resp: 41049
Ion Ratio Lower Upper
152 100
150 156.7 126.0 189.0
115 68.1 51.7 77.5



#5
2-Fluorophenol
Concen: 80.994 ng
RT: 5.475 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF138790.D
Acq: 05 Aug 2024 17:35



Tgt Ion:112 Resp: 215381
Ion Ratio Lower Upper
112 100
64 66.3 54.2 81.4
63 36.4 28.7 43.1

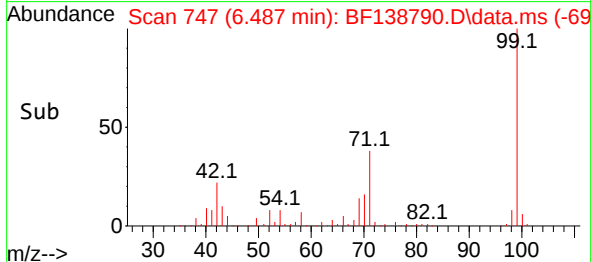
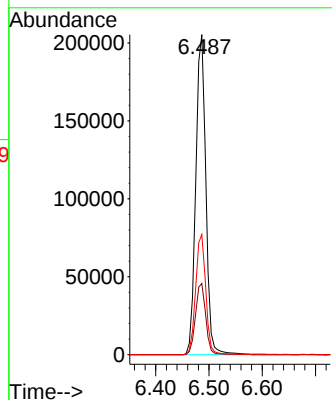
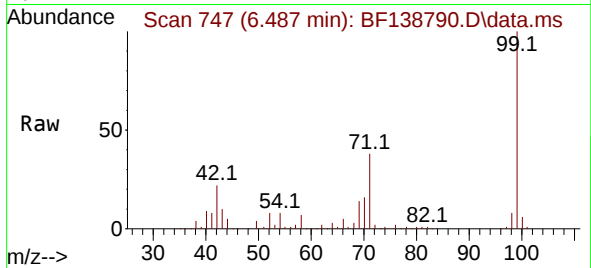




#7
Phenol-d6
Concen: 76.032 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF138790.D
Acq: 05 Aug 2024 17:35

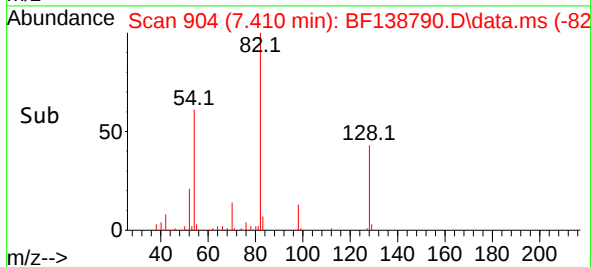
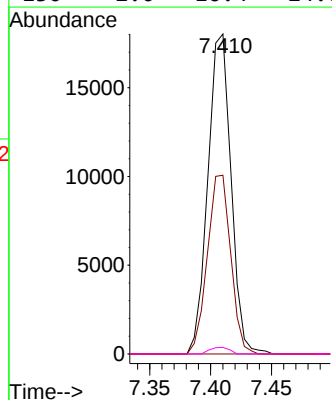
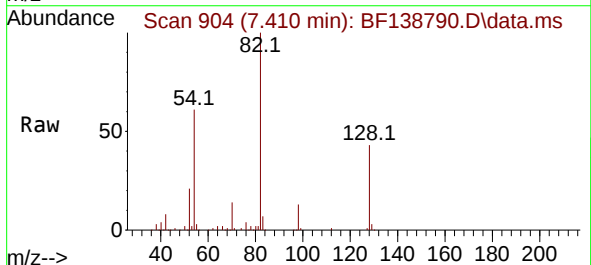
Instrument :
BNA_F
ClientSampleId :
BU-02-08012024

Tgt Ion: 99 Resp: 271455
Ion Ratio Lower Upper
99 100
42 22.2 17.4 26.0
71 37.5 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 11.078 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.153 min
Lab File: BF138790.D
Acq: 05 Aug 2024 17:35

Tgt Ion: 70 Resp: 23888
Ion Ratio Lower Upper
70 100
42 55.9 57.4 86.0#
101 0.0 7.5 11.3#
130 2.0 16.4 24.6#

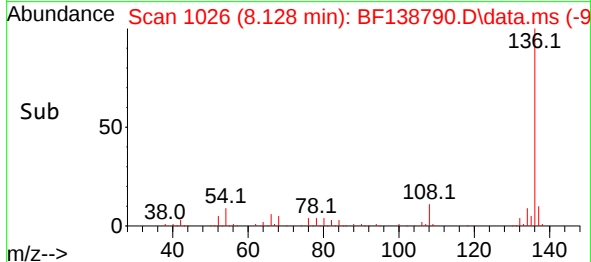
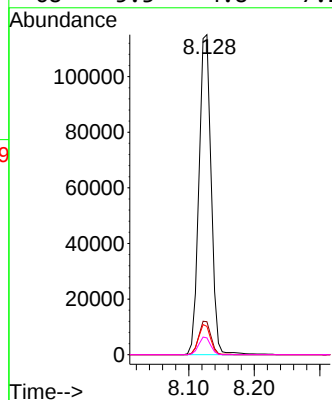
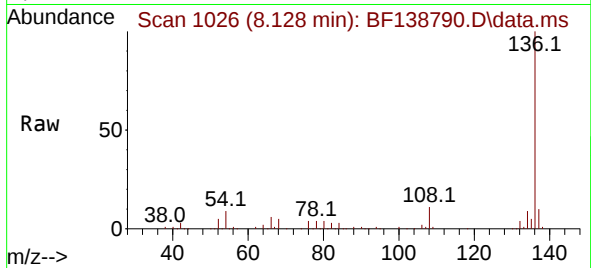




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF138790.D
Acq: 05 Aug 2024 17:35

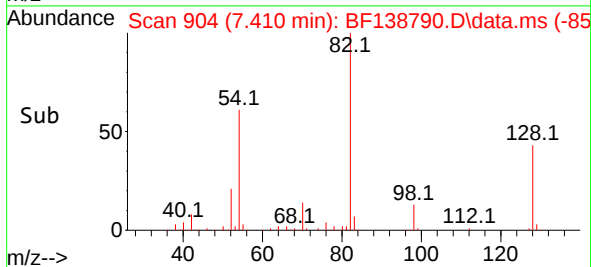
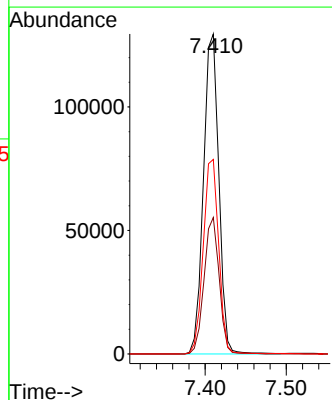
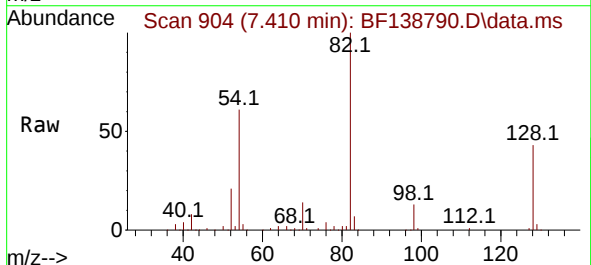
Instrument :
BNA_F
ClientSampleId :
BU-02-08012024

Tgt Ion:	136	Resp:	149415
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.9	13.3
54	8.9	8.6	12.8
68	5.3	4.8	7.2



#23
Nitrobenzene-d5
Concen: 55.641 ng
RT: 7.410 min Scan# 904
Delta R.T. -0.000 min
Lab File: BF138790.D
Acq: 05 Aug 2024 17:35

Tgt Ion:	82	Resp:	170042
Ion	Ratio	Lower	Upper
82	100		
128	42.6	32.8	49.2
54	60.8	48.3	72.5

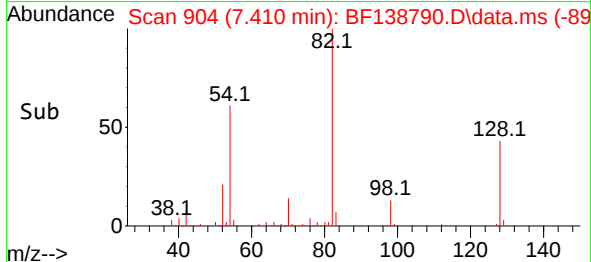
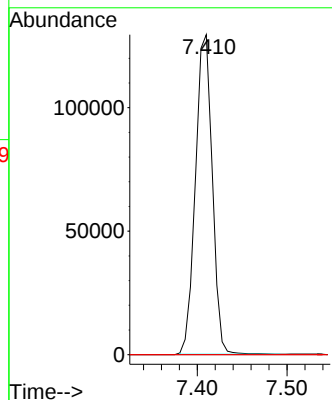
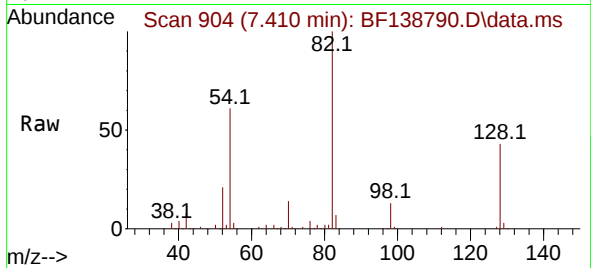




#25
Isophorone
Concen: 32.282 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF138790.D
Acq: 05 Aug 2024 17:35

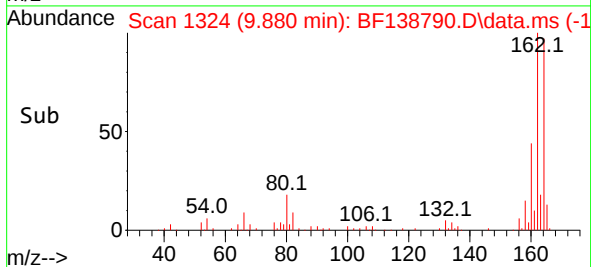
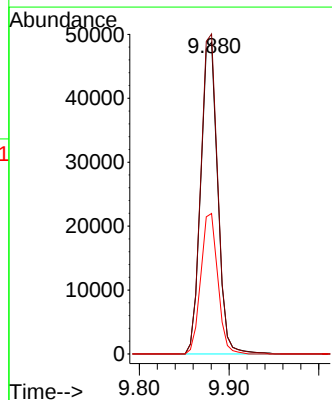
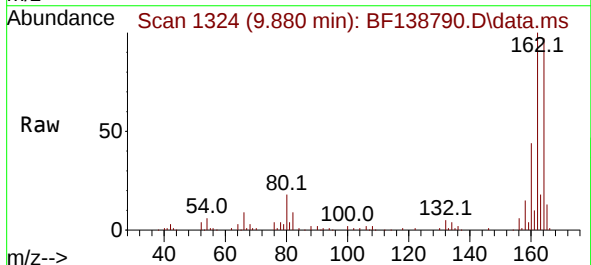
Instrument :
BNA_F
ClientSampleId :
BU-02-08012024

Tgt Ion: 82 Resp: 168459
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: 9.880 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF138790.D
Acq: 05 Aug 2024 17:35

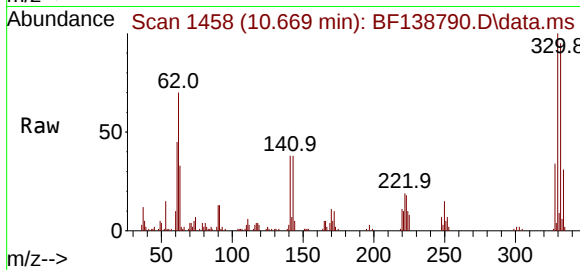
Tgt Ion: 164 Resp: 64127
Ion Ratio Lower Upper
164 100
162 102.7 79.4 119.0
160 45.1 35.1 52.7



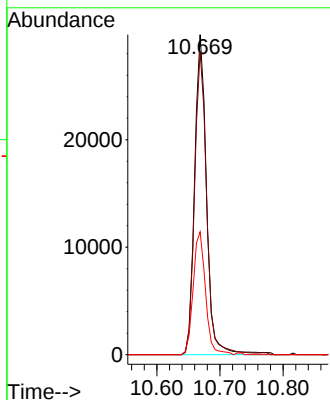
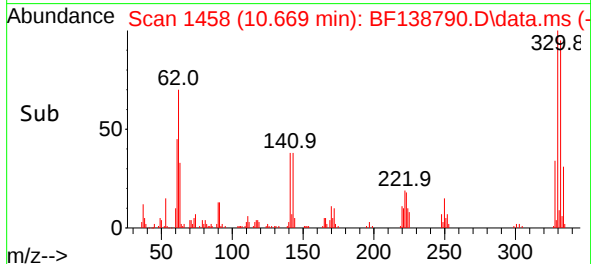


#42
2,4,6-Tribromophenol
Concen: 74.415 ng
RT: 10.669 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BF138790.D
Acq: 05 Aug 2024 17:35

Instrument :
BNA_F
ClientSampleId :
BU-02-08012024

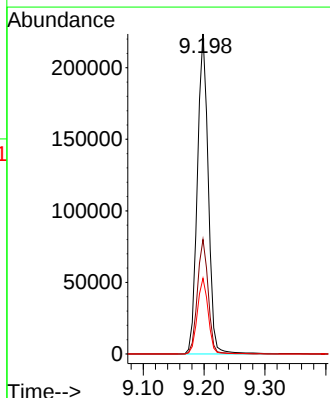
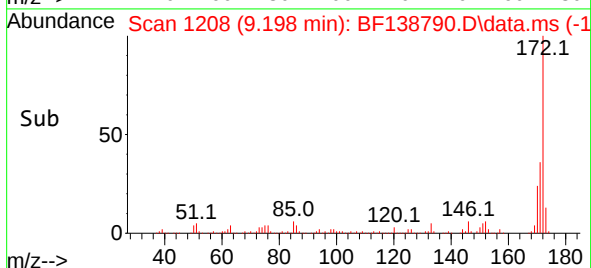
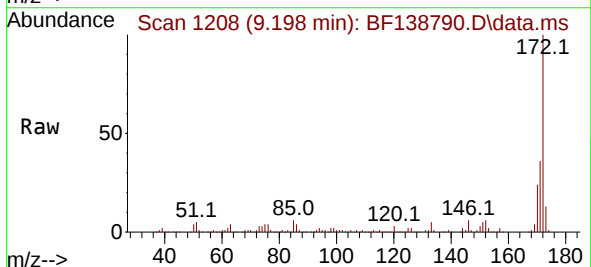


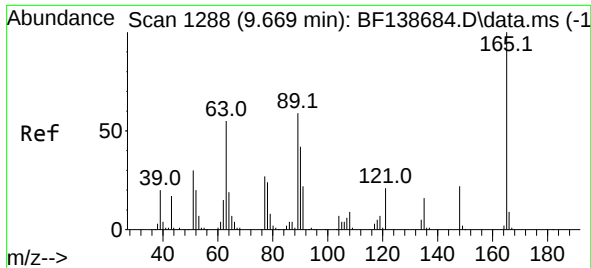
Tgt Ion: 330 Resp: 39089
Ion Ratio Lower Upper
330 100
332 95.5 76.4 114.6
141 39.4 31.1 46.7



#45
2-Fluorobiphenyl
Concen: 65.245 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF138790.D
Acq: 05 Aug 2024 17:35

Tgt Ion: 172 Resp: 278468
Ion Ratio Lower Upper
172 100
171 35.8 28.3 42.5
170 23.6 18.8 28.2

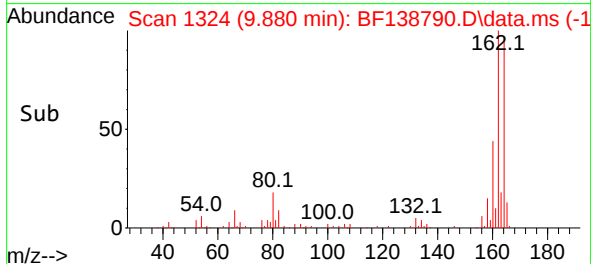
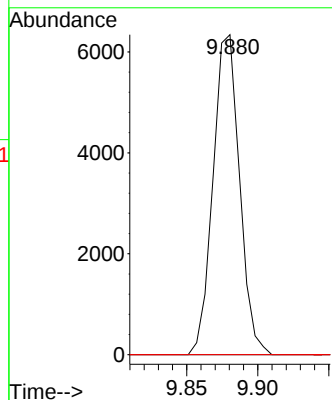
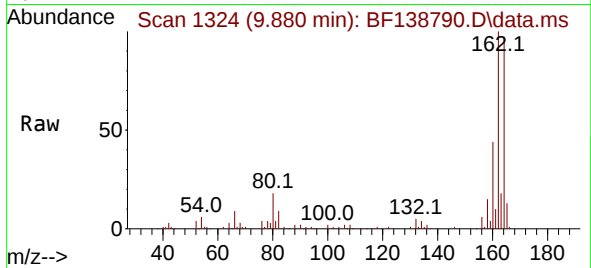




#51
2,6-Dinitrotoluene
Concen: 8.899 ng
RT: 9.880 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF138790.D
Acq: 05 Aug 2024 17:35

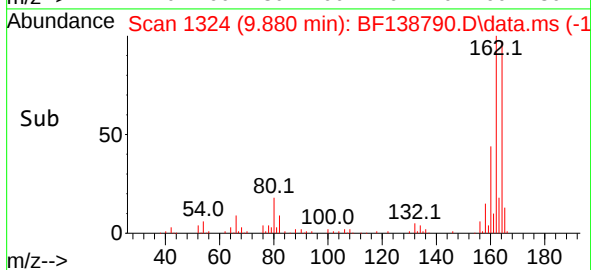
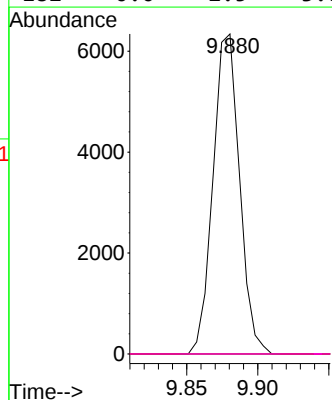
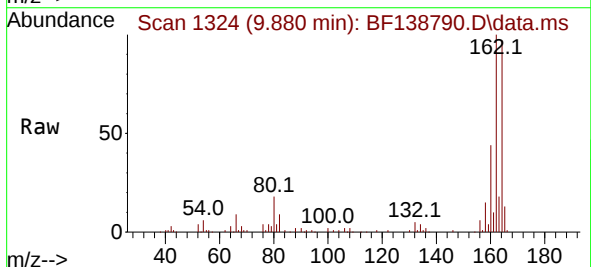
Instrument :
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Tgt Ion:165 Resp: 8235
Ion Ratio Lower Upper
165 100
63 0.0 52.0 78.0#
89 0.0 47.0 70.6#



#57
2,4-Dinitrotoluene
Concen: 6.975 ng
RT: 9.880 min Scan# 1324
Delta R.T. -0.188 min
Lab File: BF138790.D
Acq: 05 Aug 2024 17:35

Tgt Ion:165 Resp: 8235
Ion Ratio Lower Upper
165 100
63 0.0 46.3 69.5#
89 0.0 64.2 96.4#
182 0.0 2.5 3.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138790.D

Acq: 05 Aug 2024 17:35

Instrument :

BNA_F

ClientSampleId :

BU-02-08012024

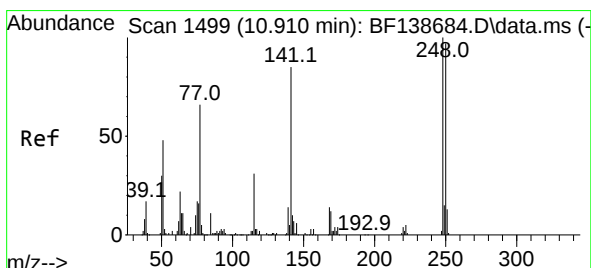
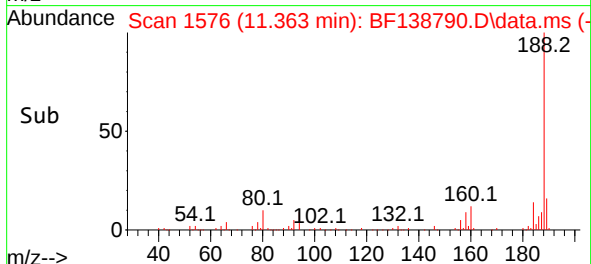
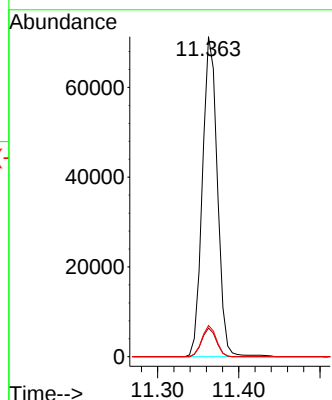
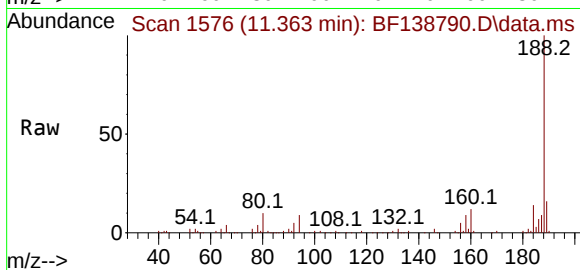
Tgt Ion:188 Resp: 91322

Ion Ratio Lower Upper

188 100

94 9.0 7.6 11.4

80 9.7 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 2.732 ng

RT: 10.669 min Scan# 1458

Delta R.T. -0.241 min

Lab File: BF138790.D

Acq: 05 Aug 2024 17:35

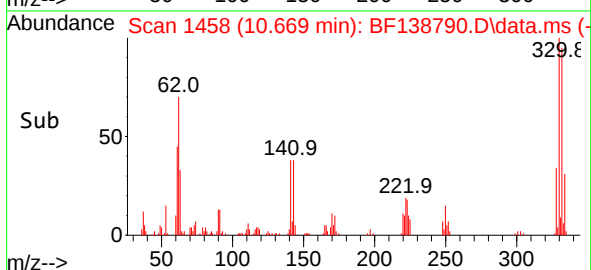
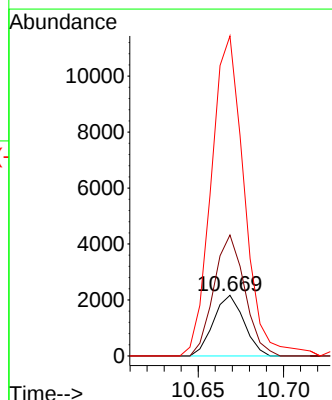
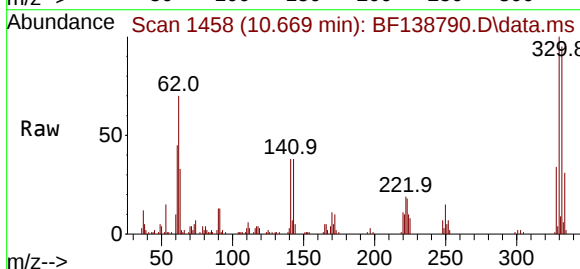
Tgt Ion:248 Resp: 2701

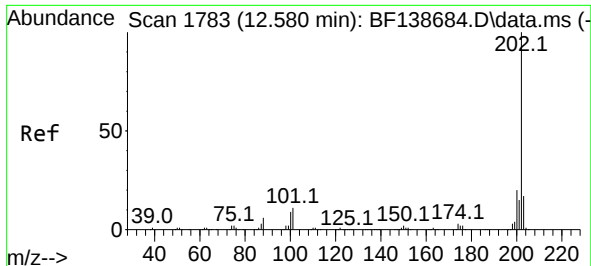
Ion Ratio Lower Upper

248 100

250 199.7 77.7 116.5#

141 528.2 68.0 102.0#

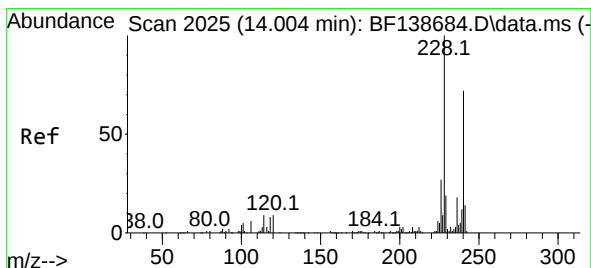
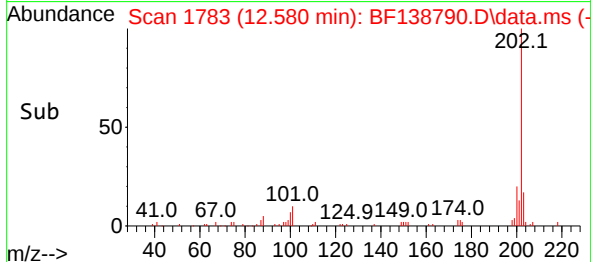
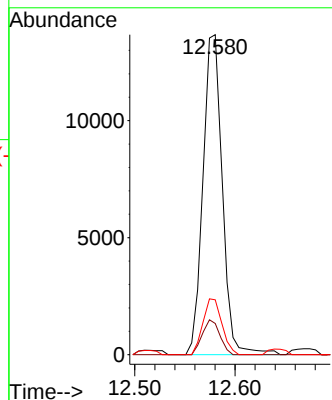
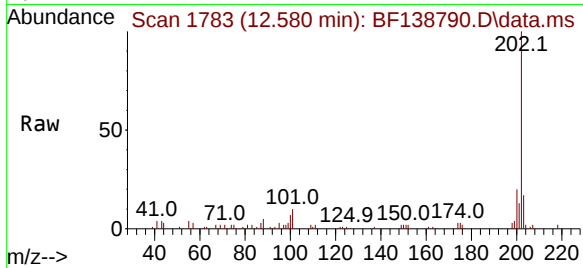




#75
Fluoranthene
Concen: 4.200 ng
RT: 12.580 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF138790.D
Acq: 05 Aug 2024 17:35

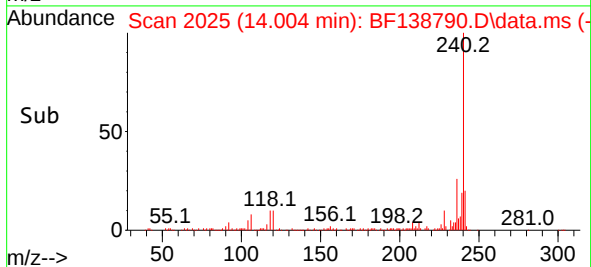
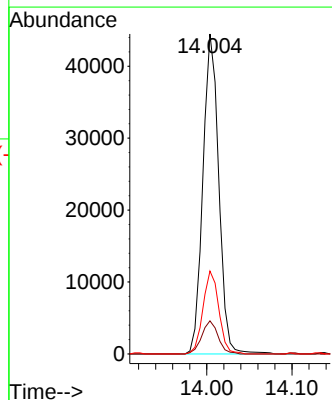
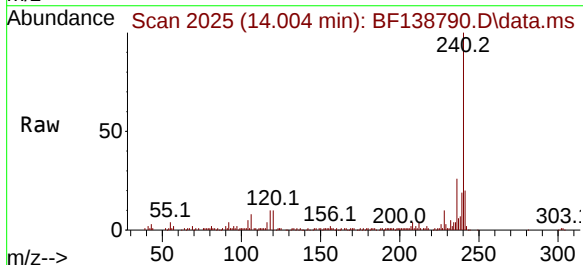
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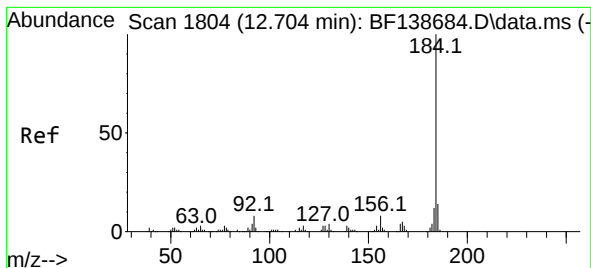
Tgt Ion:202 Resp: 18437
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.2
203 17.2 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF138790.D
Acq: 05 Aug 2024 17:35

Tgt Ion:240 Resp: 57572
Ion Ratio Lower Upper
240 100
120 10.4 10.2 15.4
236 25.9 19.8 29.8





#77

Benzidine

Concen: 2.255 ng

RT: 12.945 min Scan# 1845

Delta R.T. 0.241 min

Lab File: BF138790.D

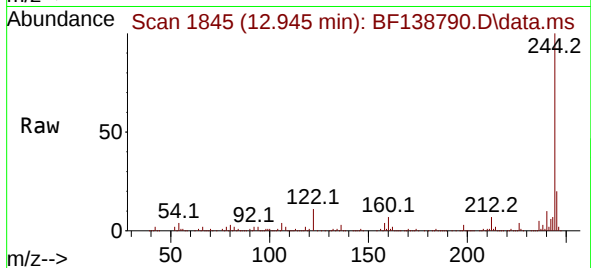
Acq: 05 Aug 2024 17:35

Instrument :

BNA_F

ClientSampleId :

BU-02-08012024



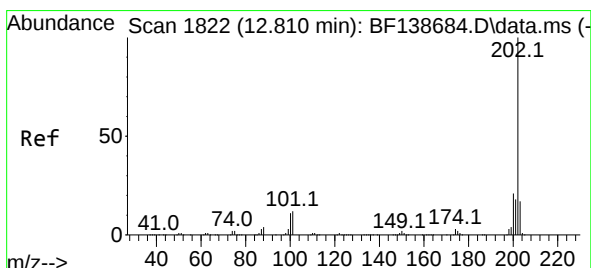
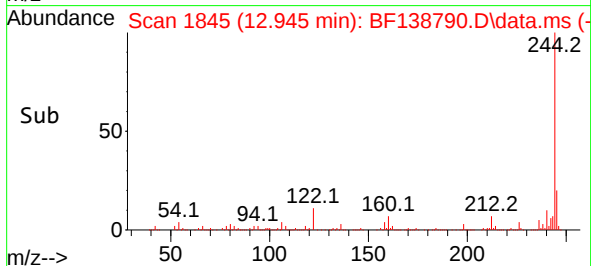
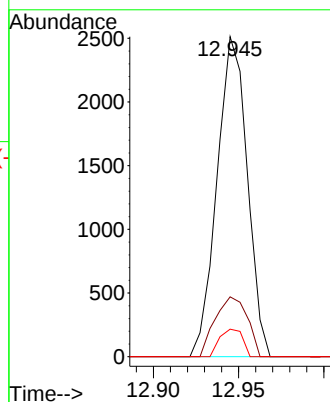
Tgt Ion:184 Resp: 3105

Ion Ratio Lower Upper

184 100

185 18.7 11.1 16.7#

183 8.6 9.6 14.4#



#78

Pyrene

Concen: 3.769 ng

RT: 12.810 min Scan# 1822

Delta R.T. -0.000 min

Lab File: BF138790.D

Acq: 05 Aug 2024 17:35

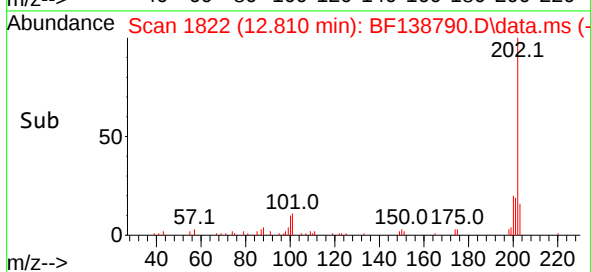
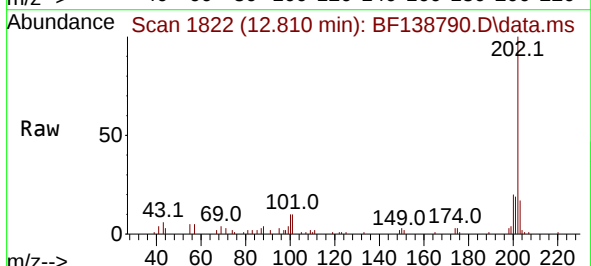
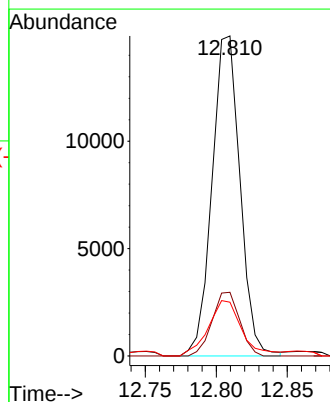
Tgt Ion:202 Resp: 20431

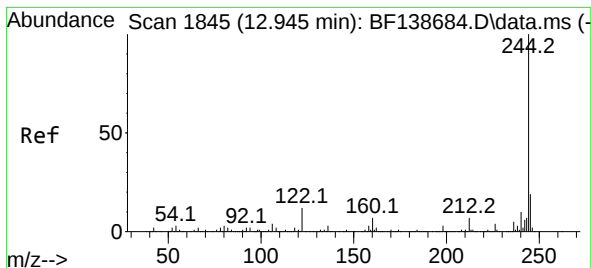
Ion Ratio Lower Upper

202 100

200 19.9 16.8 25.2

203 16.8 13.8 20.6





#79

Terphenyl-d14

Concen: 65.148 ng

RT: 12.945 min Scan# 1845

Delta R.T. -0.000 min

Lab File: BF138790.D

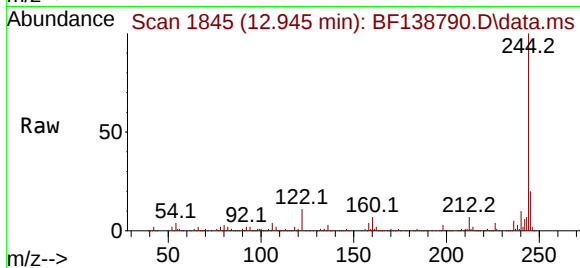
Acq: 05 Aug 2024 17:35

Instrument :

BNA_F

ClientSampleId :

BU-02-08012024



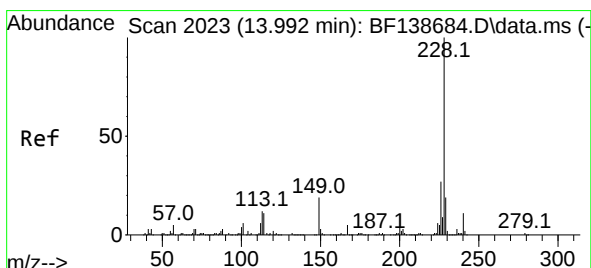
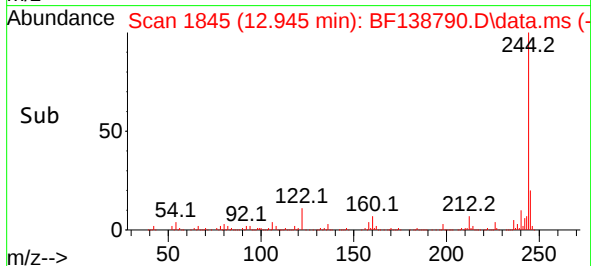
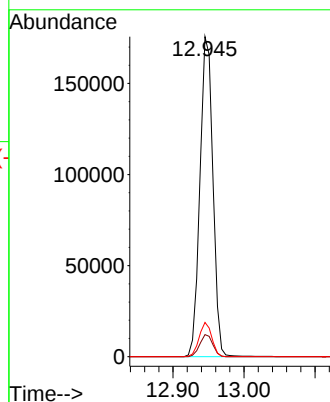
Tgt Ion:244 Resp: 224020

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

122 10.7 9.6 14.4



#81

Benzo(a)anthracene

Concen: 2.391 ng

RT: 13.992 min Scan# 2023

Delta R.T. -0.000 min

Lab File: BF138790.D

Acq: 05 Aug 2024 17:35

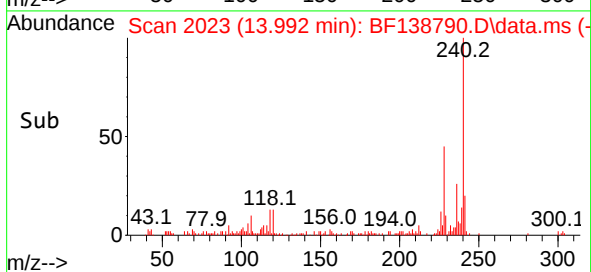
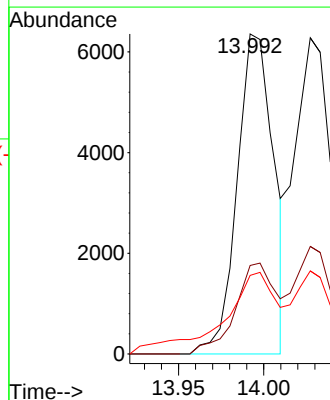
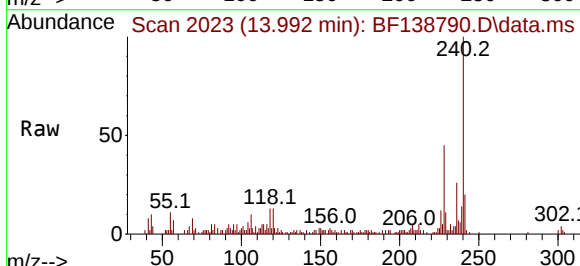
Tgt Ion:228 Resp: 9480

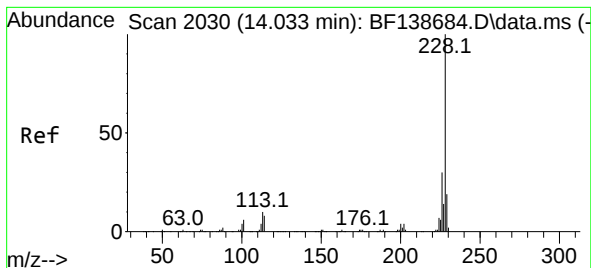
Ion Ratio Lower Upper

228 100

226 27.7 22.1 33.1

229 24.5 15.4 23.0#





#83

Chrysene

Concen: 2.642 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF138790.D

Acq: 05 Aug 2024 17:35

Instrument :

BNA_F

ClientSampleId :

BU-02-08012024

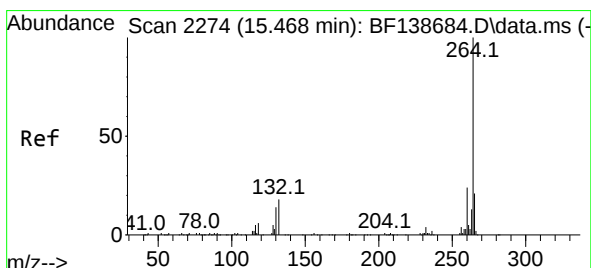
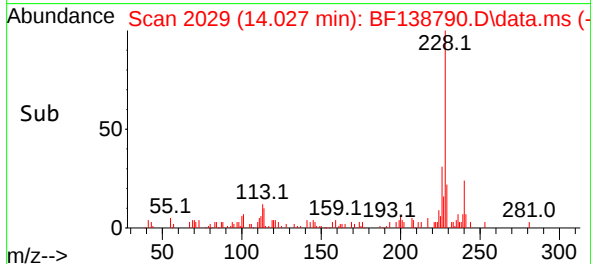
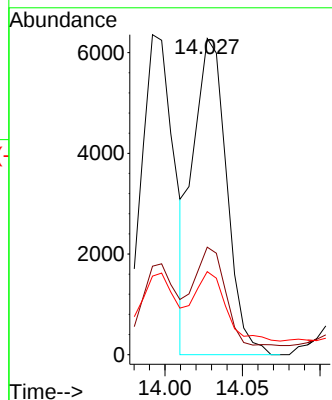
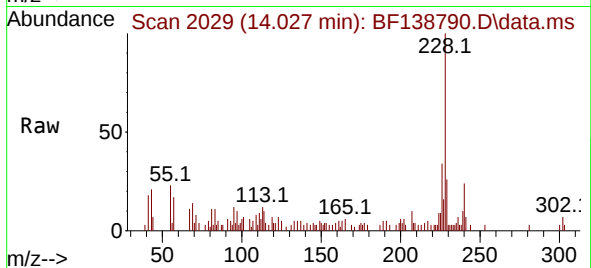
Tgt Ion:228 Resp: 9450

Ion Ratio Lower Upper

228 100

226 34.0 23.7 35.5

229 26.3 15.0 22.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 2275

Delta R.T. 0.006 min

Lab File: BF138790.D

Acq: 05 Aug 2024 17:35

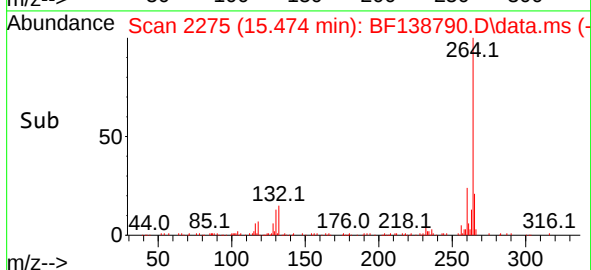
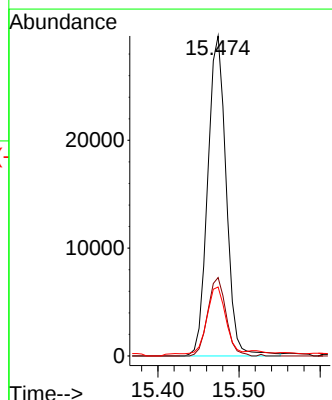
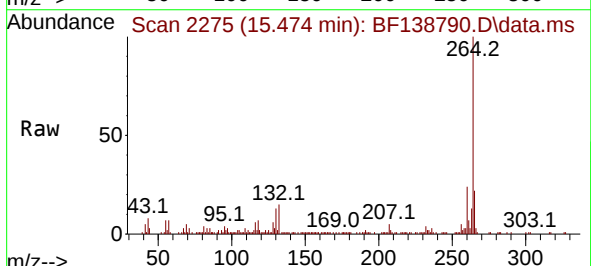
Tgt Ion:264 Resp: 46847

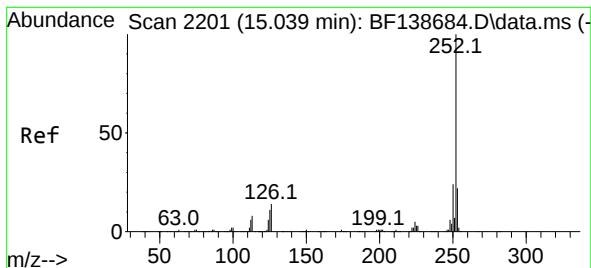
Ion Ratio Lower Upper

264 100

260 24.5 19.0 28.6

265 21.5 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 4.502 ng

RT: 15.045 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138790.D

Acq: 05 Aug 2024 17:35

Instrument :

BNA_F

ClientSampleId :

BU-02-08012024

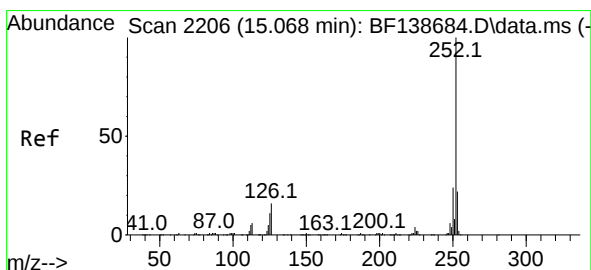
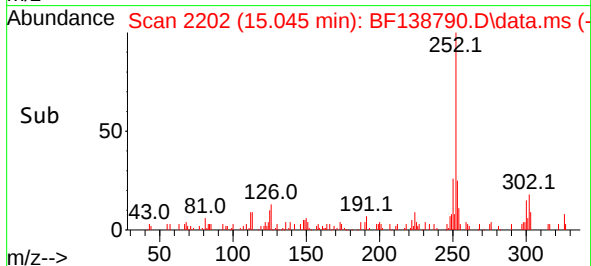
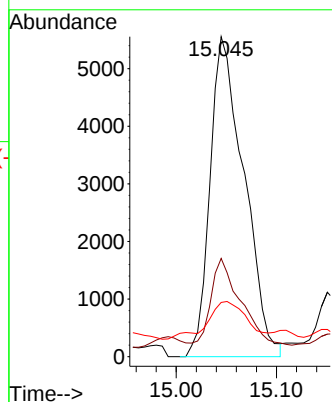
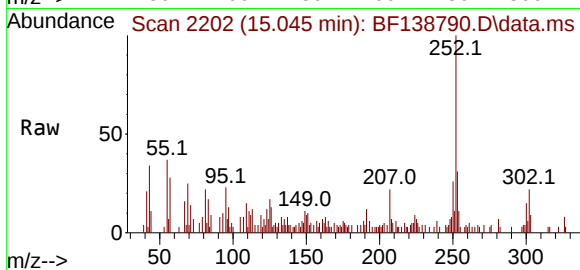
Tgt Ion:252 Resp: 13074

Ion Ratio Lower Upper

252 100

253 30.7 17.5 26.3#

125 17.0 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 5.200 ng

RT: 15.045 min Scan# 2202

Delta R.T. -0.024 min

Lab File: BF138790.D

Acq: 05 Aug 2024 17:35

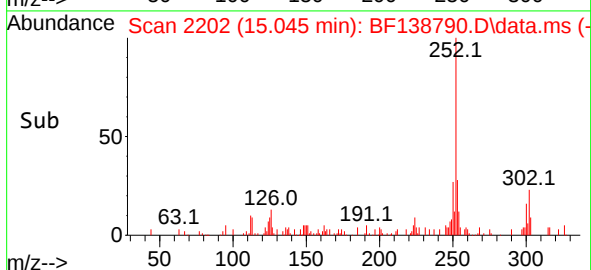
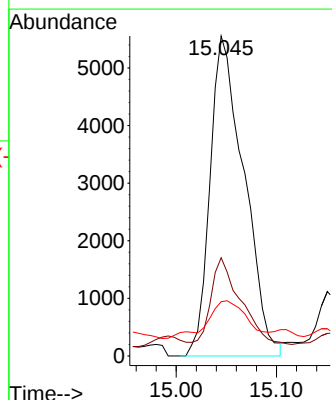
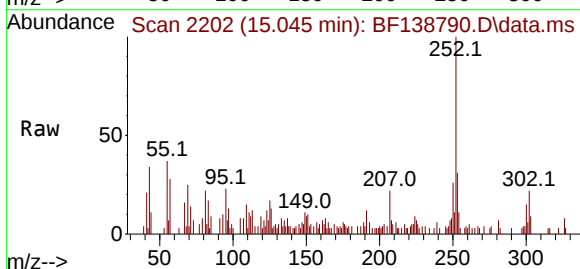
Tgt Ion:252 Resp: 13074

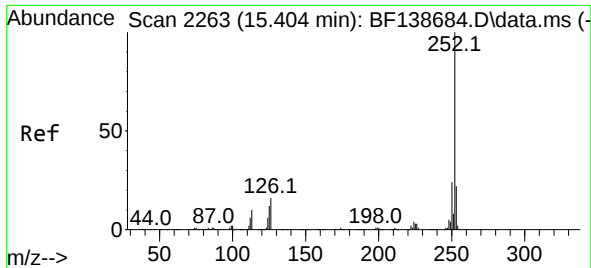
Ion Ratio Lower Upper

252 100

253 30.7 17.4 26.0#

125 17.0 8.6 13.0#





#90
Benzo(a)pyrene
Concen: 2.622 ng
RT: 15.410 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF138790.D
Acq: 05 Aug 2024 17:35

Instrument :
BNA_F
ClientSampleId :
BU-02-08012024

Tgt Ion:252 Resp: 6404
Ion Ratio Lower Upper
252 100
253 27.8 17.3 25.9#
125 19.9 9.5 14.3#

