

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
 Data File : BF138795.D
 Acq On : 05 Aug 2024 20:24
 Operator : RC/JU
 Sample : P3448-05 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP3

Quant Time: Aug 06 00:56:36 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)

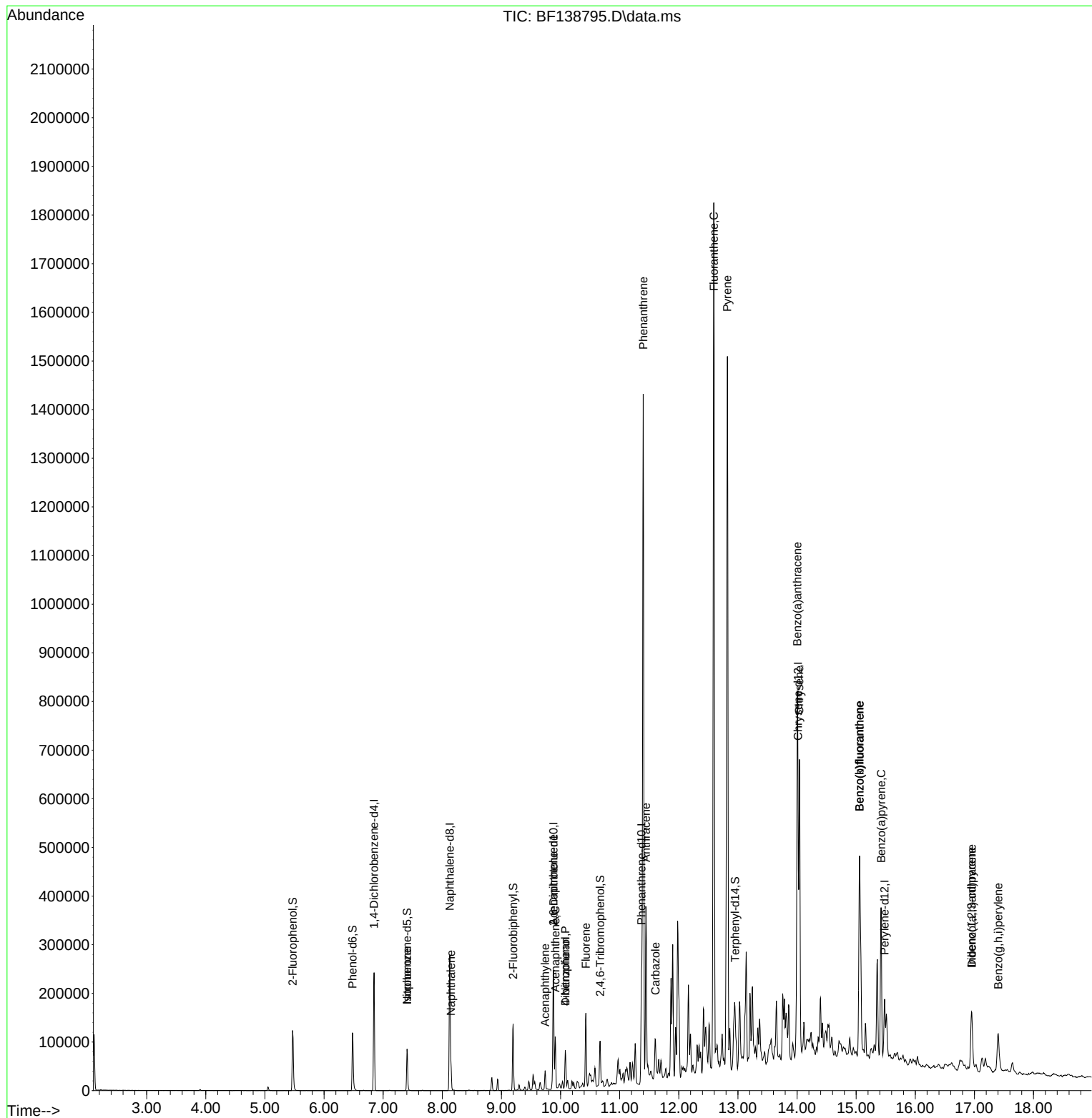
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	46814	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	167460	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	71543	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	113184	20.000	ng	0.00
76) Chrysene-d12	14.016	240	74926	20.000	ng	0.01
86) Perylene-d12	15.480	264	62786	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	45073	14.862	ng	0.00
7) Phenol-d6	6.481	99	58692	14.415	ng	0.00
23) Nitrobenzene-d5	7.404	82	36048	10.525	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	7983	13.622	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	57874	12.154	ng	0.00
79) Terphenyl-d14	12.951	244	51772	11.569	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.404	82	36048	6.164	ng	# 66
31) Naphthalene	8.145	128	30562	3.467	ng	99
49) Acenaphthylene	9.739	152	17866	3.023	ng	96
51) 2,6-Dinitrotoluene	9.881	165	10078	9.762	ng	# 19
52) Acenaphthene	9.910	154	31046	7.814	ng	99
55) Dibenzofuran	10.081	168	33340	5.945	ng	# 93
56) 4-Nitrophenol	10.081	139	15281	23.810	ng	# 3
58) Fluorene	10.428	166	54524	12.208	ng	99
71) Phenanthrene	11.398	178	775653	133.089	ng	99
72) Anthracene	11.445	178	186515	32.486	ng	100
73) Carbazole	11.604	167	39888	8.053	ng	97
75) Fluoranthene	12.592	202	1086533	199.699	ng	99
78) Pyrene	12.822	202	894236	126.761	ng	98
81) Benzo(a)anthracene	14.004	228	382508	74.136	ng	98
83) Chrysene	14.039	228	303241	65.144	ng	97
87) Indeno(1,2,3-cd)pyrene	16.951	276	85719	19.051	ng	# 91
88) Benzo(b)fluoranthene	15.057	252	347981	89.407	ng	99
89) Benzo(k)fluoranthene	15.057	252	347981	103.263	ng	99
90) Benzo(a)pyrene	15.421	252	182146	55.637	ng	97
91) Dibenzo(a,h)anthracene	16.957	278	22401	6.065	ng	94
92) Benzo(g,h,i)perylene	17.404	276	78286	20.426	ng	96

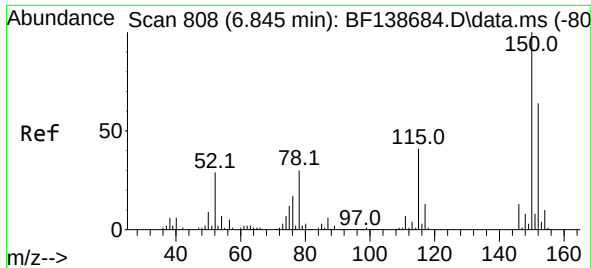
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

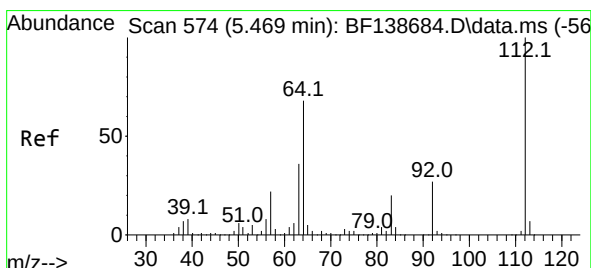
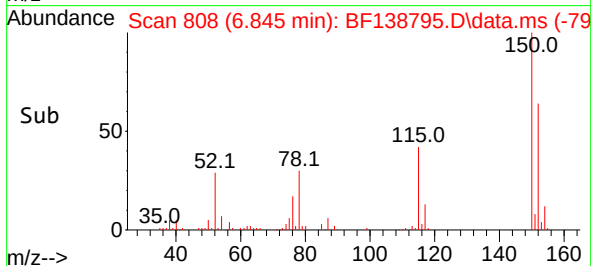
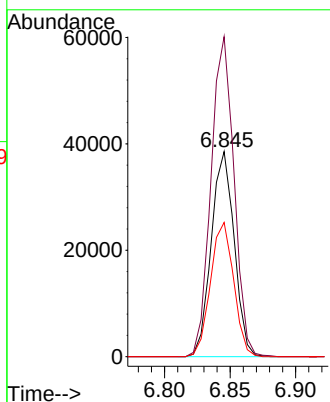
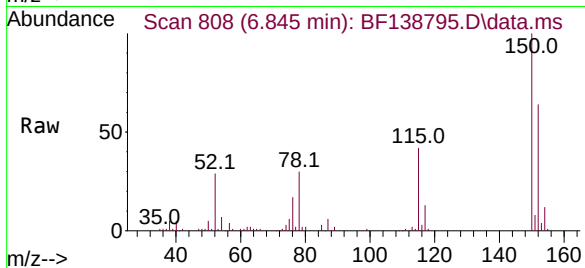




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

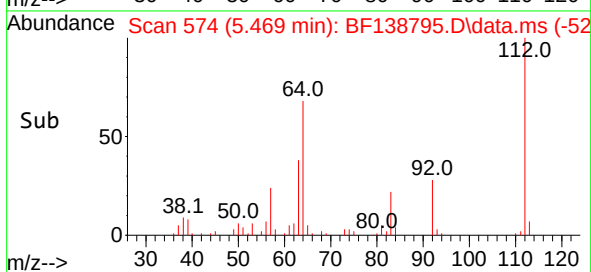
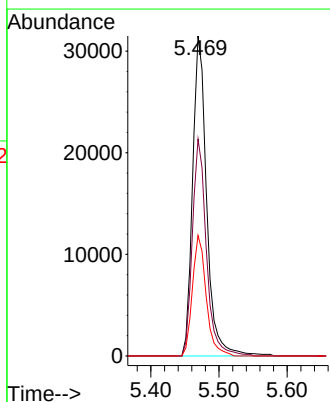
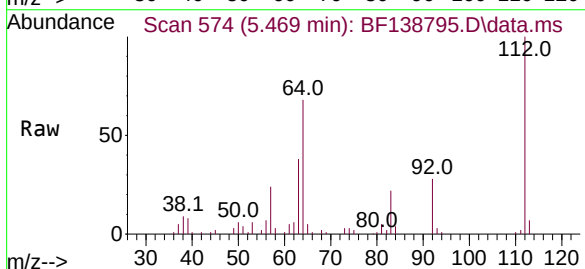
Instrument :
BNA_F
ClientSampleId :
TP3

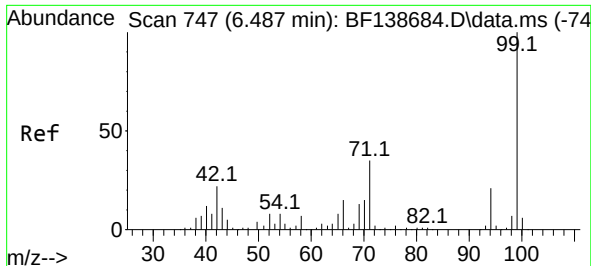
Tgt Ion:152 Resp: 46814
Ion Ratio Lower Upper
152 100
150 156.0 126.0 189.0
115 65.5 51.7 77.5



#5
2-Fluorophenol
Concen: 14.862 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

Tgt Ion:112 Resp: 45073
Ion Ratio Lower Upper
112 100
64 67.8 54.2 81.4
63 37.7 28.7 43.1





#7

Phenol-d6

Concen: 14.415 ng

RT: 6.481 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF138795.D

Acq: 05 Aug 2024 20:24

Instrument :

BNA_F

ClientSampleId :

TP3

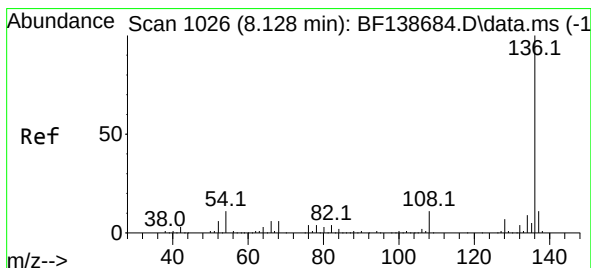
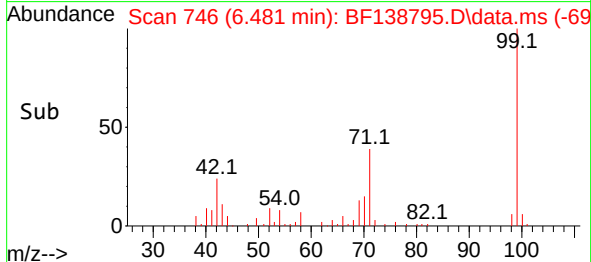
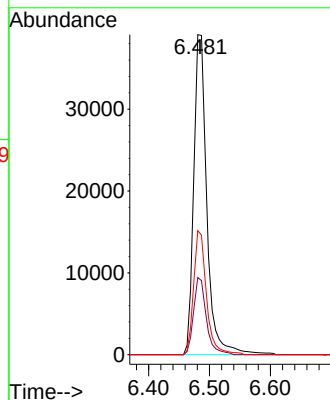
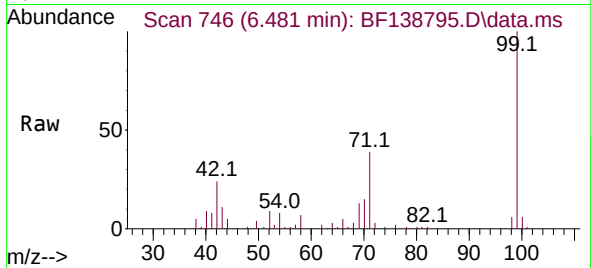
Tgt Ion: 99 Resp: 58692

Ion Ratio Lower Upper

99 100

42 24.1 17.4 26.0

71 38.7 28.1 42.1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1026

Delta R.T. -0.000 min

Lab File: BF138795.D

Acq: 05 Aug 2024 20:24

Tgt Ion: 136 Resp: 167460

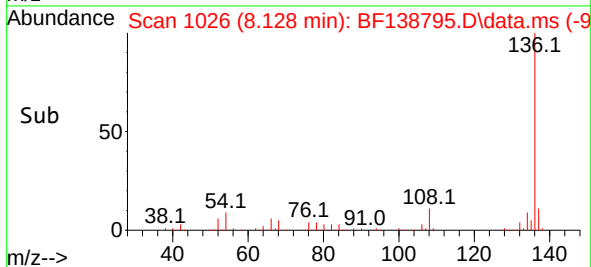
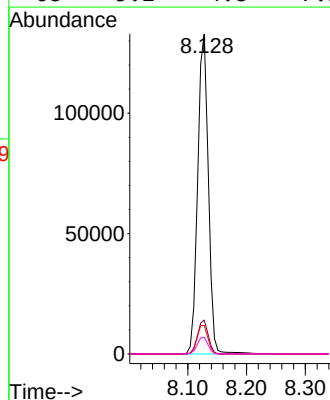
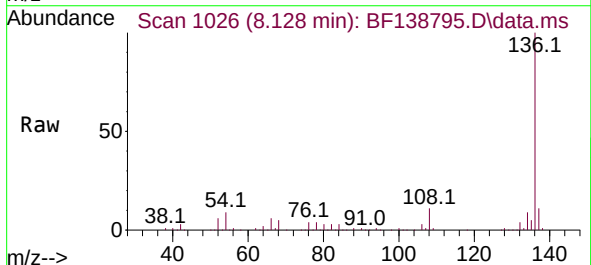
Ion Ratio Lower Upper

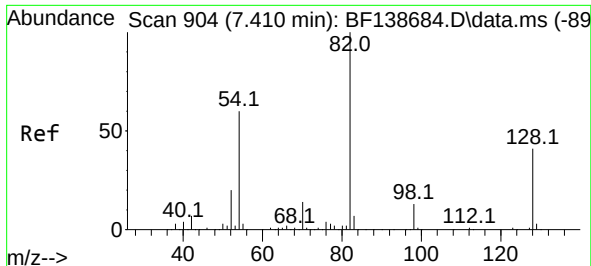
136 100

137 10.5 8.9 13.3

54 9.0 8.6 12.8

68 5.2 4.8 7.2

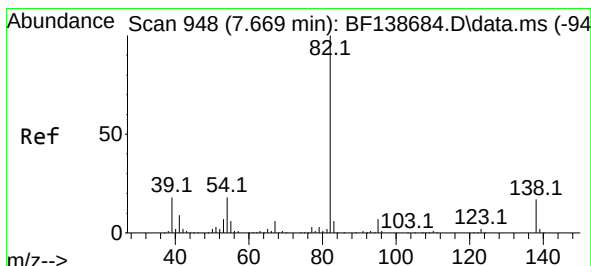
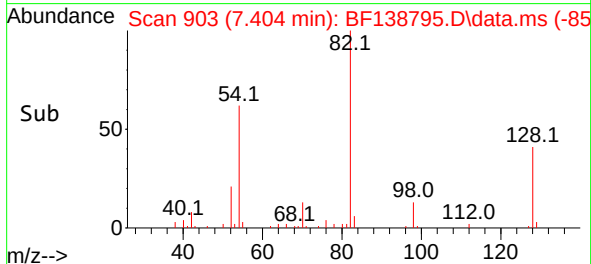
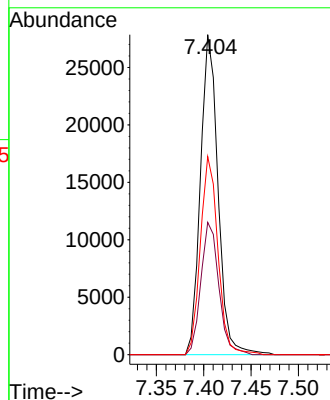
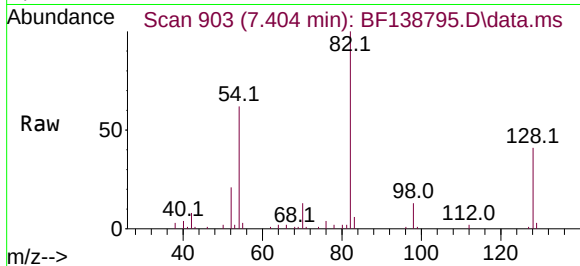




#23
Nitrobenzene-d5
Concen: 10.525 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

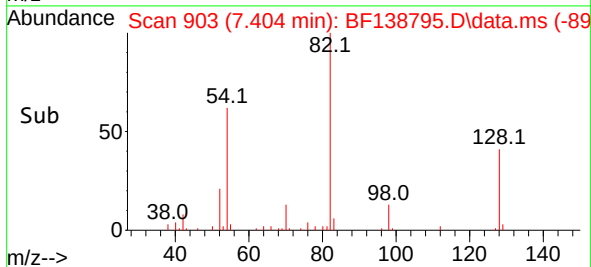
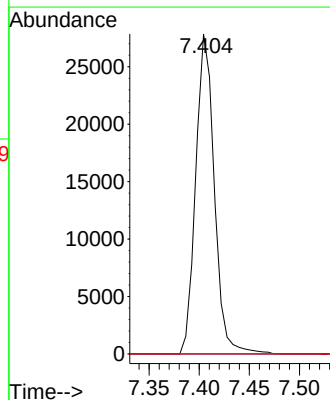
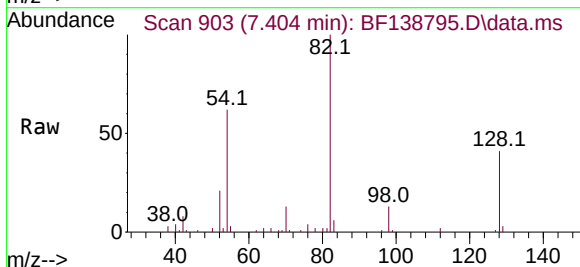
Instrument :
BNA_F
ClientSampleId :
TP3

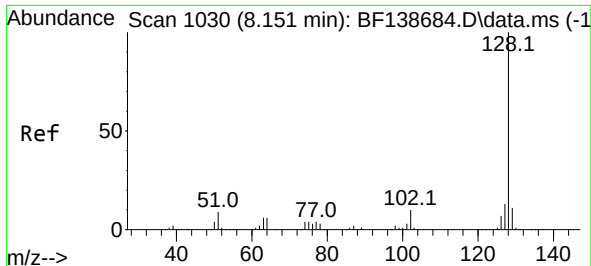
Tgt Ion: 82 Resp: 36048
Ion Ratio Lower Upper
82 100
128 41.4 32.8 49.2
54 61.9 48.3 72.5



#25
Isophorone
Concen: 6.164 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.265 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

Tgt Ion: 82 Resp: 36048
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.7 20.5#

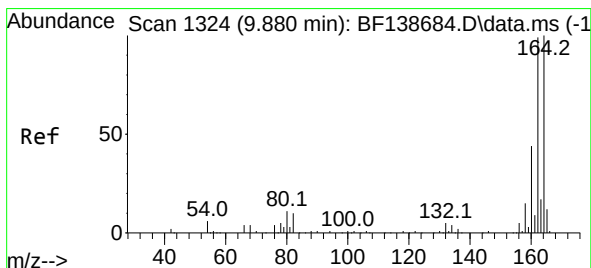
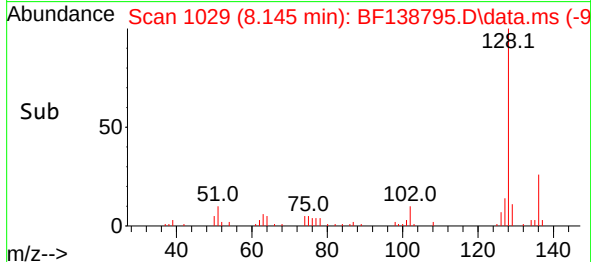
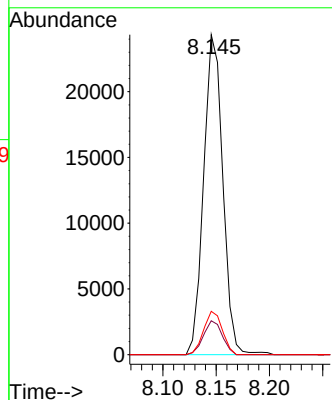
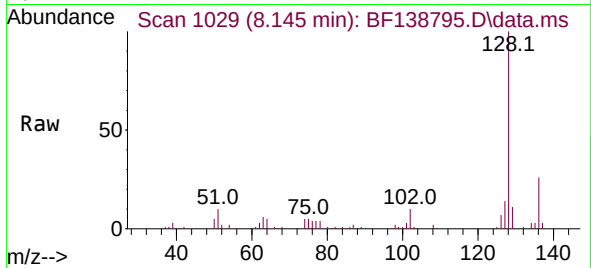




#31
Naphthalene
Concen: 3.467 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

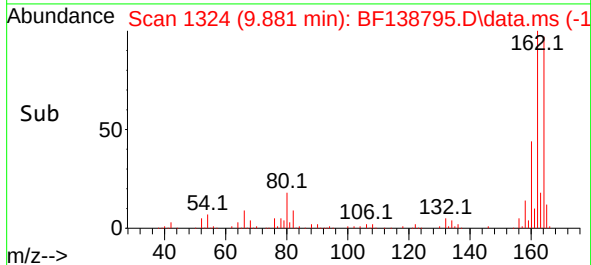
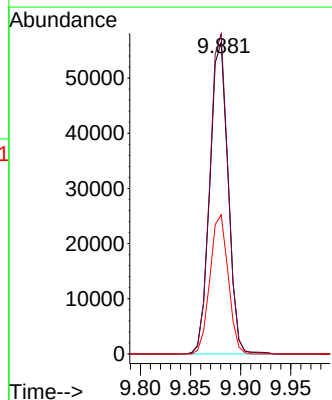
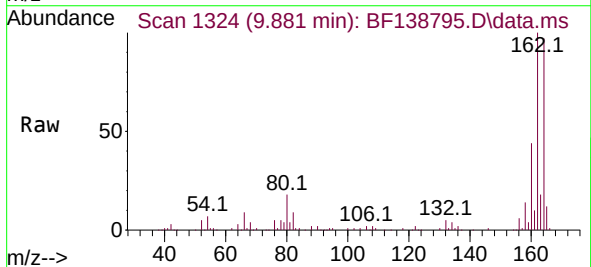
Instrument :
BNA_F
ClientSampleId :
TP3

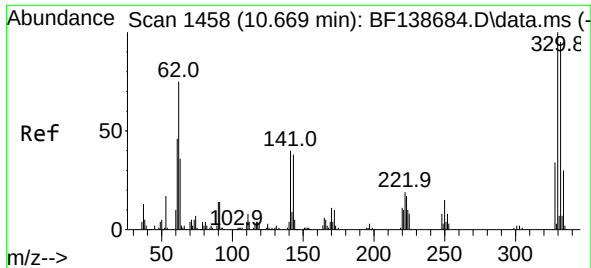
Tgt Ion:128 Resp: 30562
Ion Ratio Lower Upper
128 100
129 10.6 8.7 13.1
127 13.5 10.6 16.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1324
Delta R.T. 0.001 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

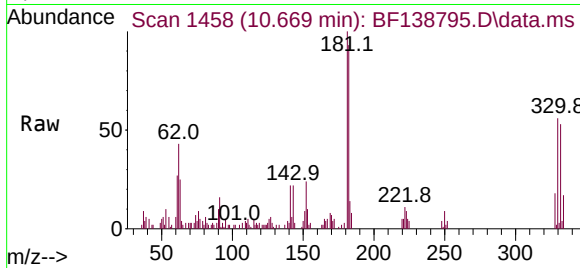
Tgt Ion:164 Resp: 71543
Ion Ratio Lower Upper
164 100
162 102.7 79.4 119.0
160 44.7 35.1 52.7



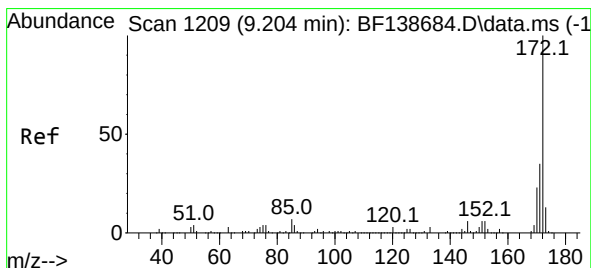
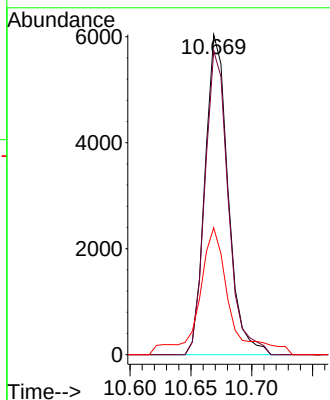
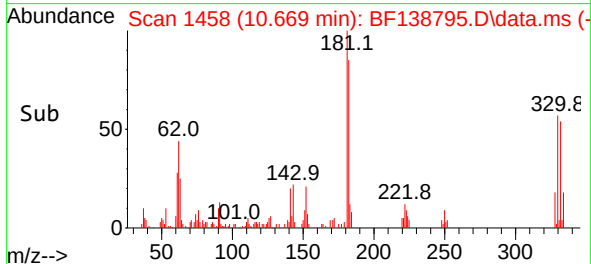


#42
2,4,6-Tribromophenol
Concen: 13.622 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

Instrument :
BNA_F
ClientSampleId :
TP3

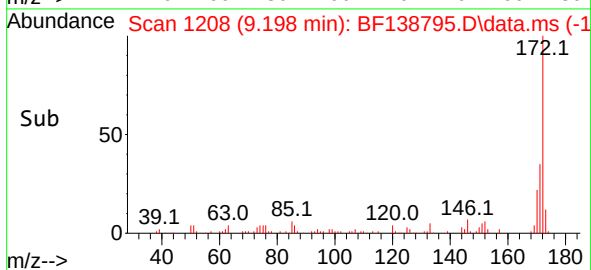
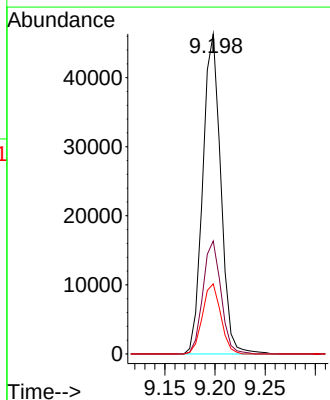
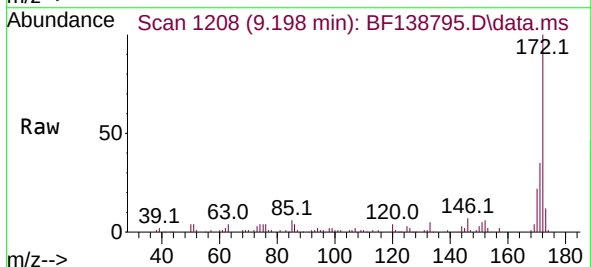


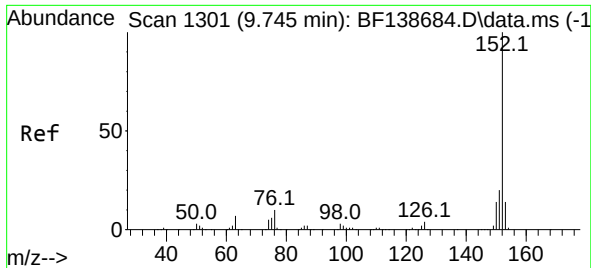
Tgt Ion:330 Resp: 7983
Ion Ratio Lower Upper
330 100
332 96.1 76.4 114.6
141 51.7 31.1 46.7#



#45
2-Fluorobiphenyl
Concen: 12.154 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

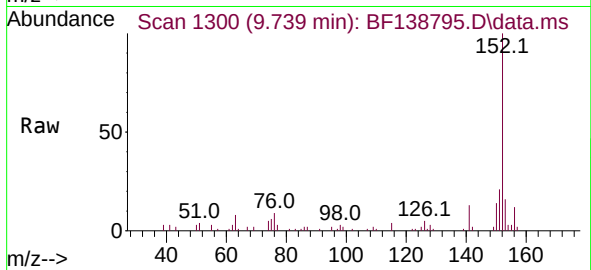
Tgt Ion:172 Resp: 57874
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 21.9 18.8 28.2



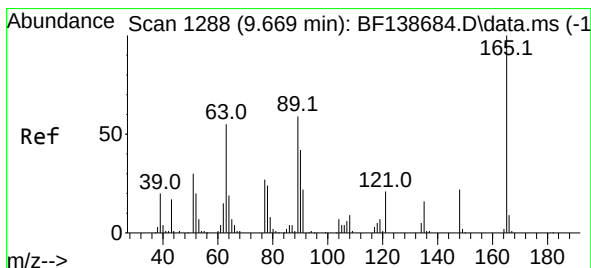
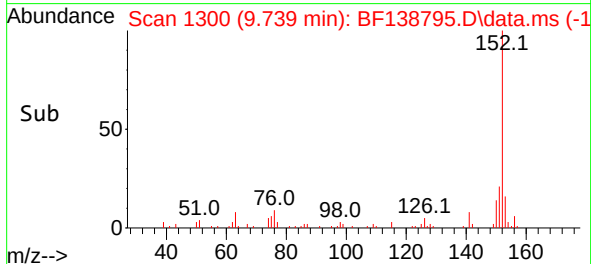
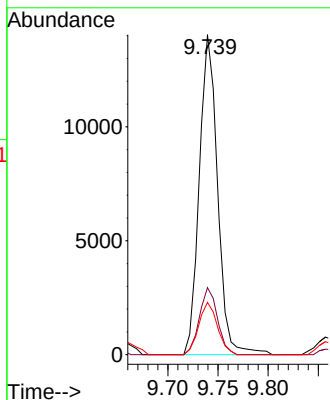


#49
Acenaphthylene
Concen: 3.023 ng
RT: 9.739 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

Instrument :
BNA_F
ClientSampleId :
TP3

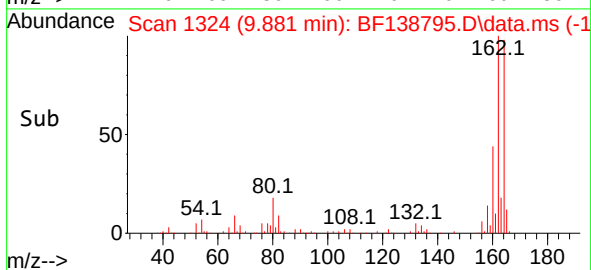
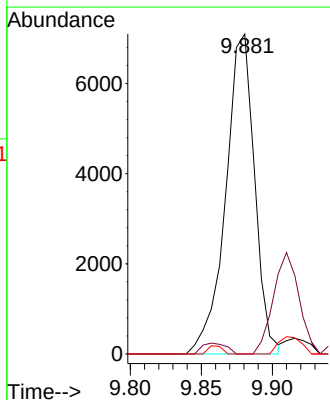
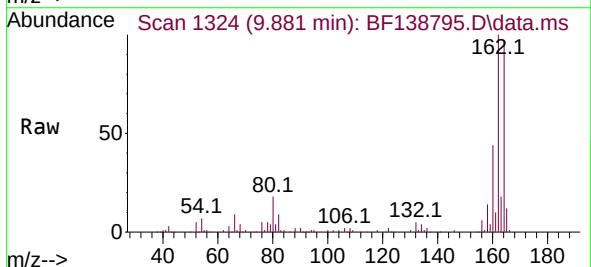


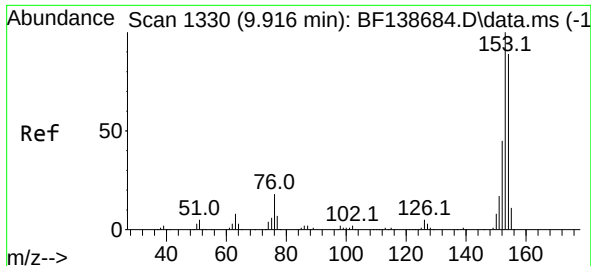
Tgt Ion:152 Resp: 17866
Ion Ratio Lower Upper
152 100
151 21.0 16.0 24.0
153 16.3 11.0 16.4



#51
2,6-Dinitrotoluene
Concen: 9.762 ng
RT: 9.881 min Scan# 1324
Delta R.T. 0.212 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

Tgt Ion:165 Resp: 10078
Ion Ratio Lower Upper
165 100
63 0.0 52.0 78.0#
89 0.0 47.0 70.6#

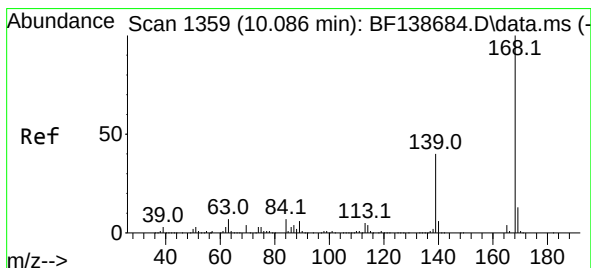
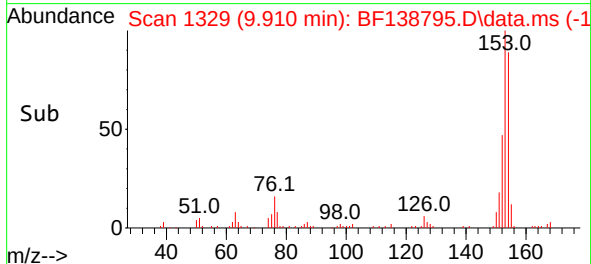
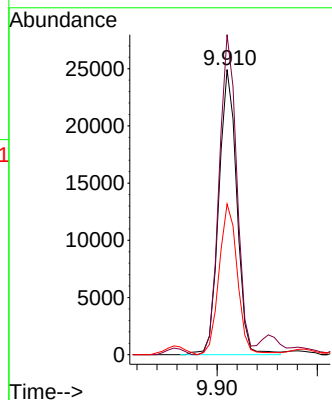
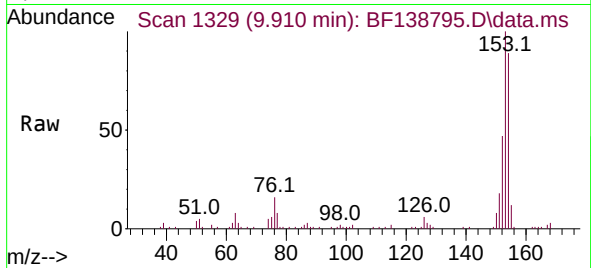




#52
Acenaphthene
Concen: 7.814 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

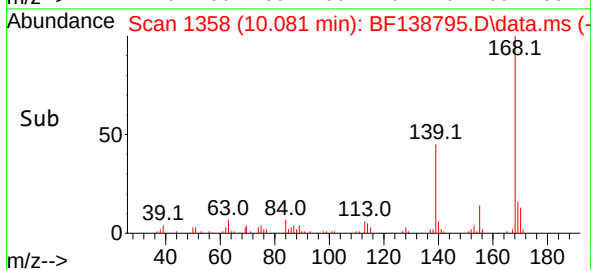
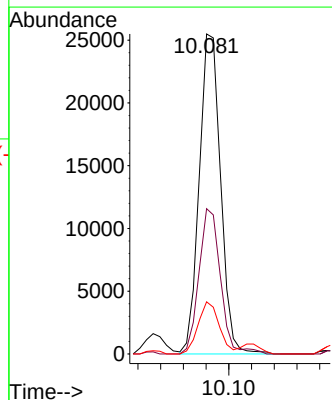
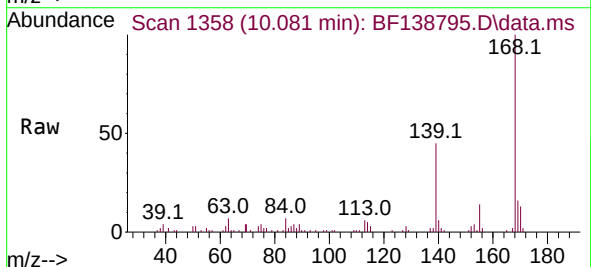
Instrument :
BNA_F
ClientSampleId :
TP3

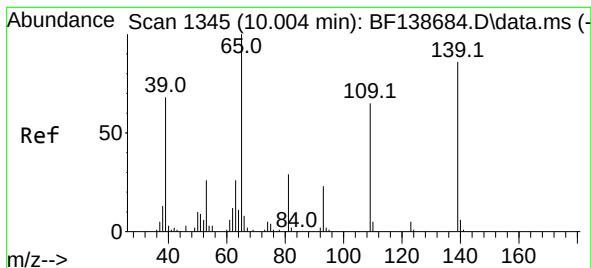
Tgt Ion:154 Resp: 31046
Ion Ratio Lower Upper
154 100
153 112.2 89.9 134.9
152 52.9 40.6 60.8



#55
Dibenzofuran
Concen: 5.945 ng
RT: 10.081 min Scan# 1358
Delta R.T. -0.006 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

Tgt Ion:168 Resp: 33340
Ion Ratio Lower Upper
168 100
139 45.4 32.6 49.0
169 16.3 10.7 16.1#

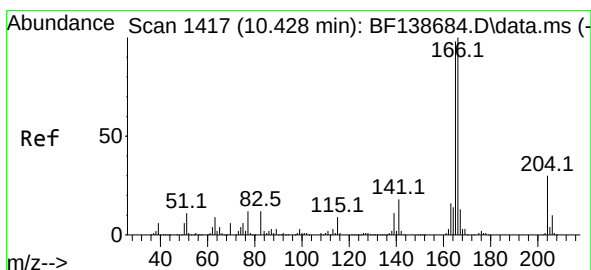
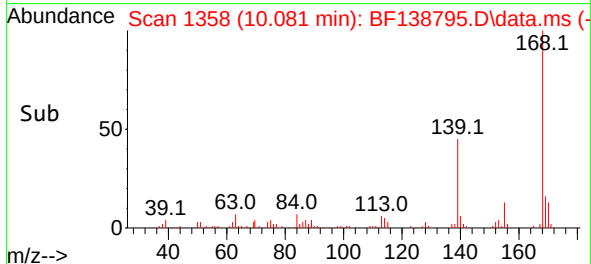
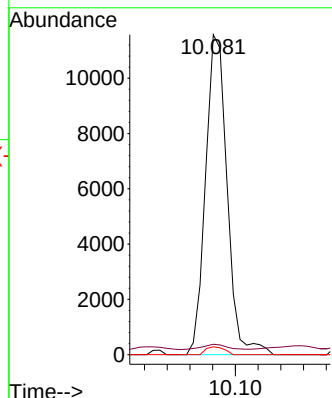
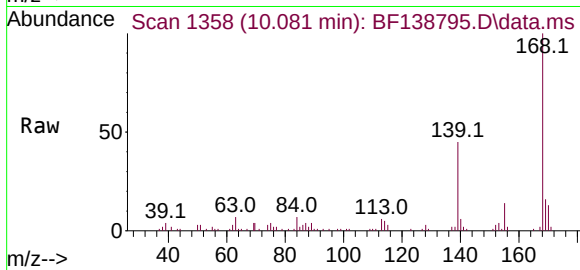




#56
4-Nitrophenol
Concen: 23.810 ng
RT: 10.081 min Scan# 11
Delta R.T. 0.077 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

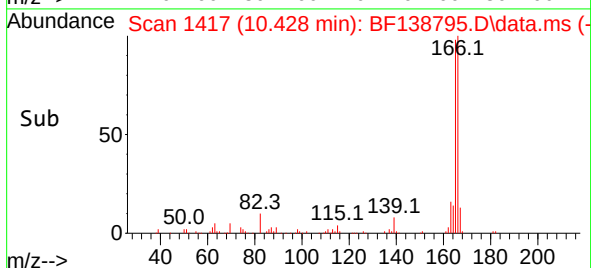
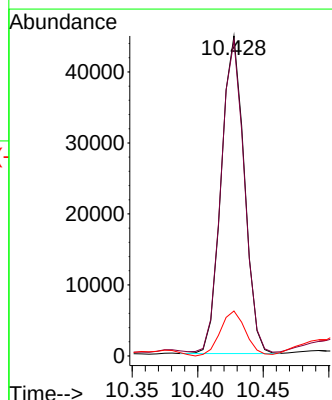
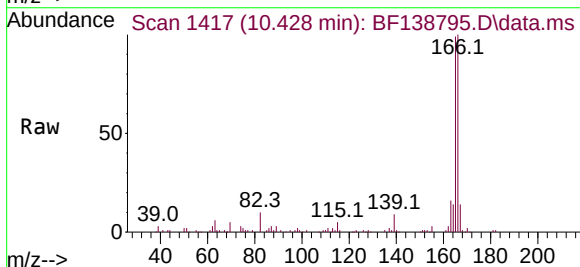
Instrument :
BNA_F
ClientSampleId :
TP3

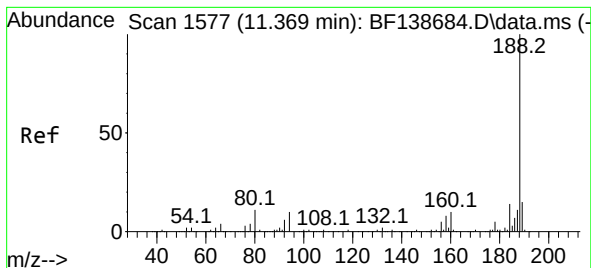
Tgt Ion:139 Resp: 15281
Ion Ratio Lower Upper
139 100
109 3.3 55.5 95.5#
65 2.4 96.7 136.7#



#58
Fluorene
Concen: 12.208 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

Tgt Ion:166 Resp: 54524
Ion Ratio Lower Upper
166 100
165 98.6 78.4 117.6
167 14.1 10.6 16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138795.D

Acq: 05 Aug 2024 20:24

Instrument :

BNA_F

ClientSampleId :

TP3

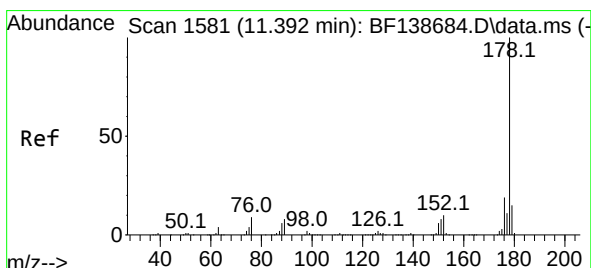
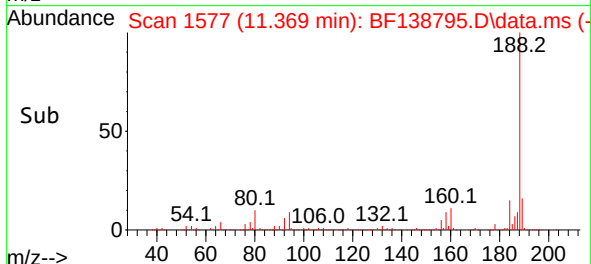
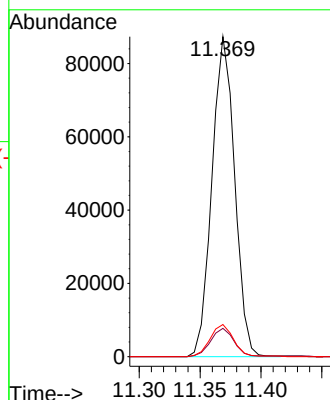
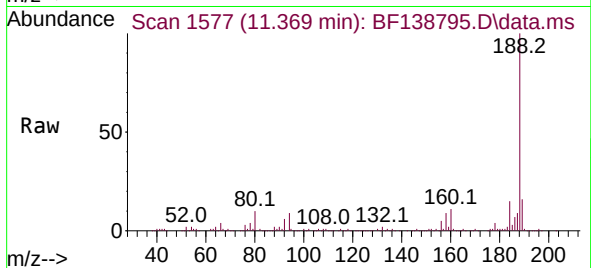
Tgt Ion:188 Resp: 113184

Ion Ratio Lower Upper

188 100

94 8.9 7.6 11.4

80 10.0 8.6 12.8



#71

Phenanthrene

Concen: 133.089 ng

RT: 11.398 min Scan# 1582

Delta R.T. 0.006 min

Lab File: BF138795.D

Acq: 05 Aug 2024 20:24

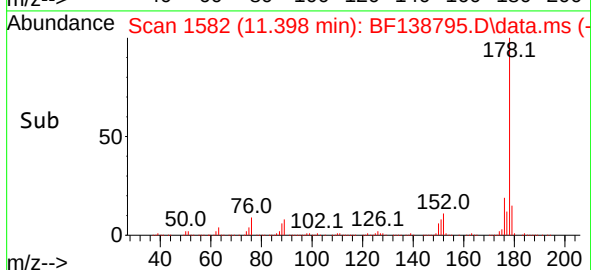
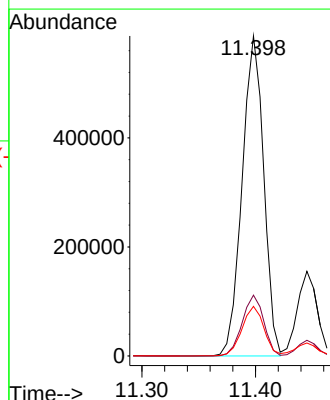
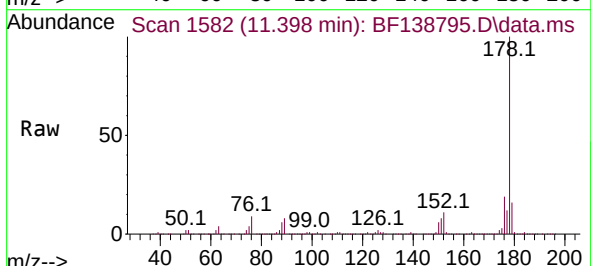
Tgt Ion:178 Resp: 775653

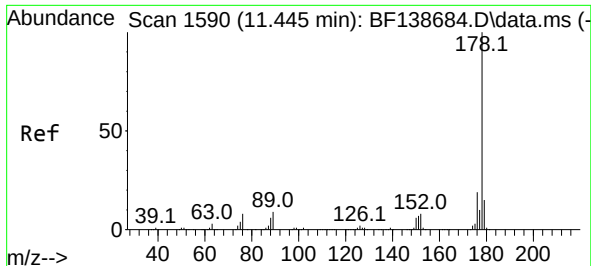
Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

179 15.5 12.2 18.2

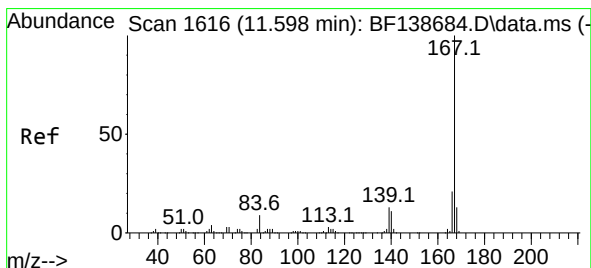
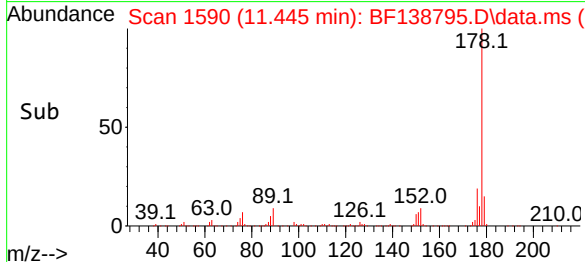
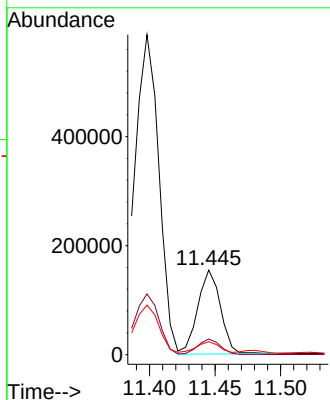
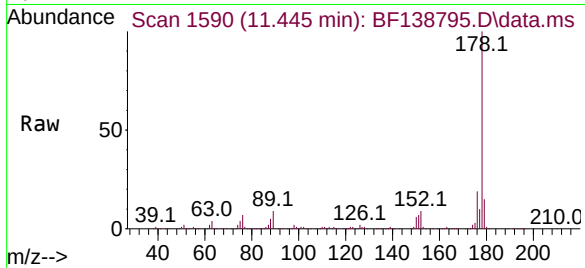




#72
 Anthracene
 Concen: 32.486 ng
 RT: 11.445 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF138795.D
 Acq: 05 Aug 2024 20:24

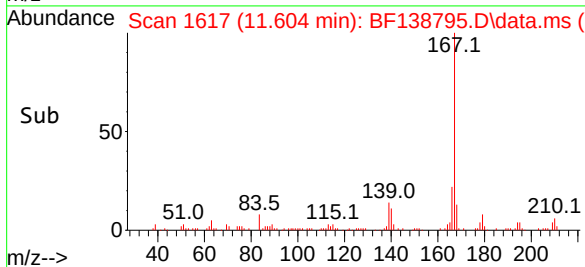
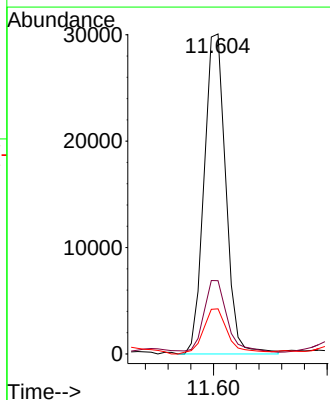
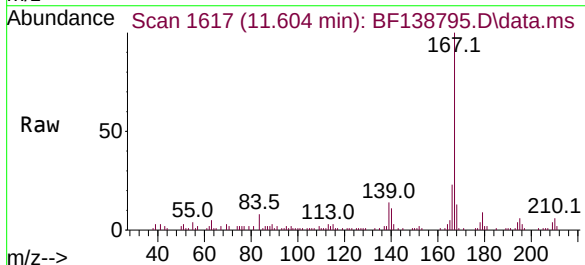
Instrument :
 BNA_F
 ClientSampleId :
 TP3

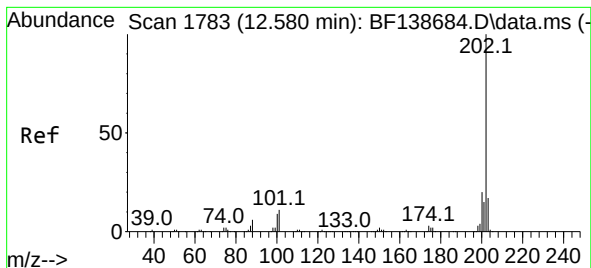
Tgt Ion:178 Resp: 186515
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.9 22.3
 179 15.4 12.4 18.6



#73
 Carbazole
 Concen: 8.053 ng
 RT: 11.604 min Scan# 1617
 Delta R.T. 0.006 min
 Lab File: BF138795.D
 Acq: 05 Aug 2024 20:24

Tgt Ion:167 Resp: 39888
 Ion Ratio Lower Upper
 167 100
 166 22.9 17.2 25.8
 139 14.1 10.6 16.0





#75

Fluoranthene

Concen: 199.699 ng

RT: 12.592 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF138795.D

Acq: 05 Aug 2024 20:24

Instrument :

BNA_F

ClientSampleId :

TP3

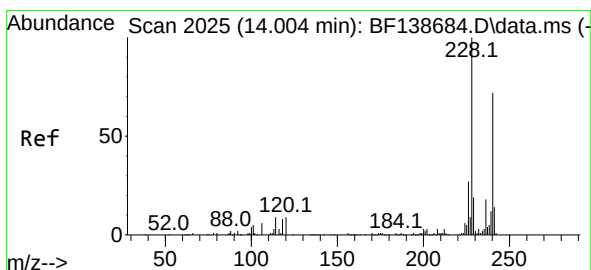
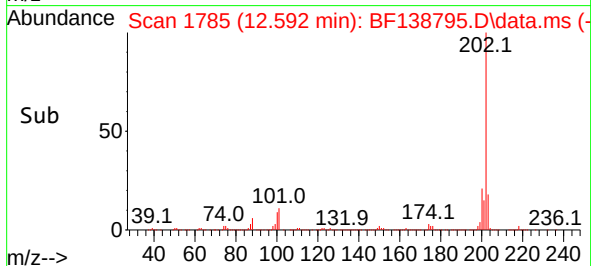
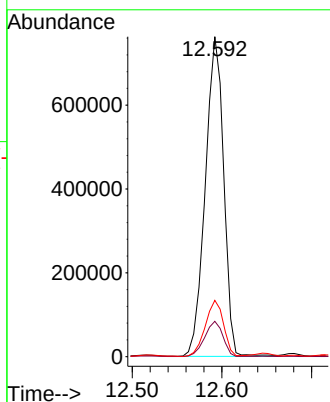
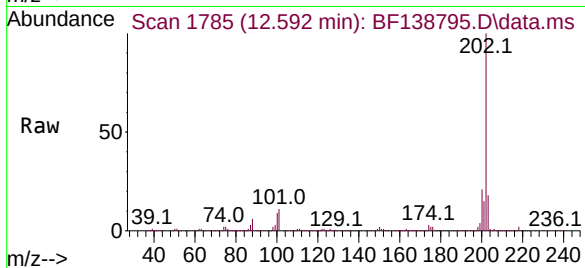
Tgt Ion:202 Resp: 1086533

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.2

203 17.6 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.016 min Scan# 2027

Delta R.T. 0.012 min

Lab File: BF138795.D

Acq: 05 Aug 2024 20:24

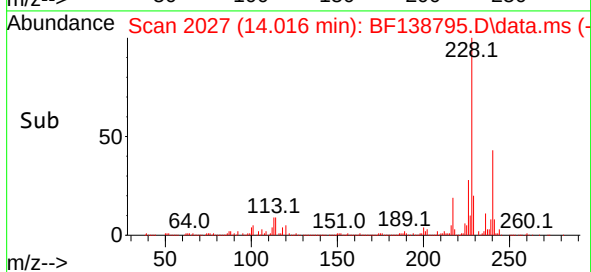
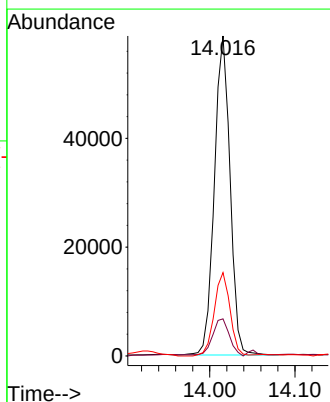
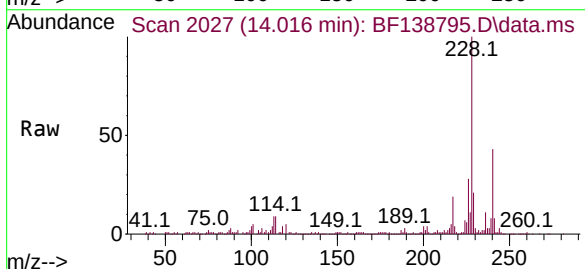
Tgt Ion:240 Resp: 74926

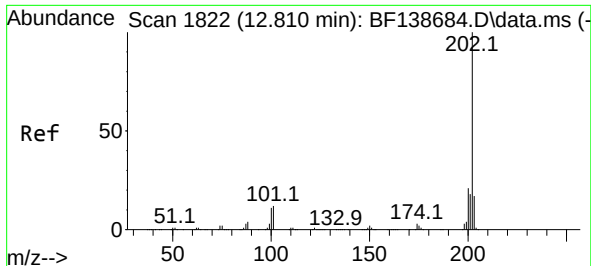
Ion Ratio Lower Upper

240 100

120 11.6 10.2 15.4

236 26.1 19.8 29.8

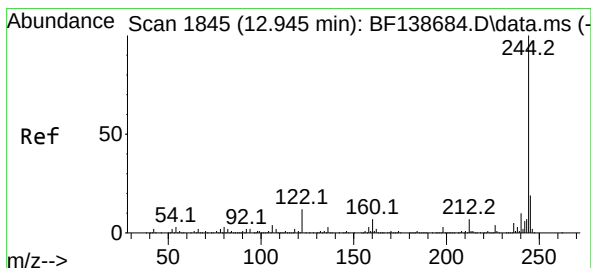
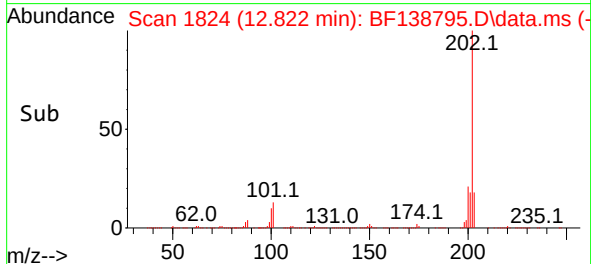
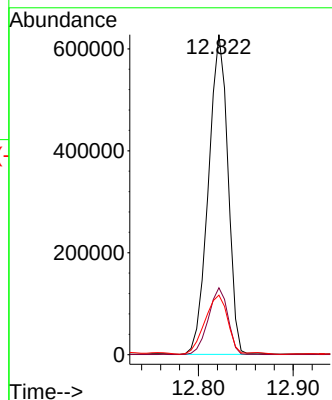
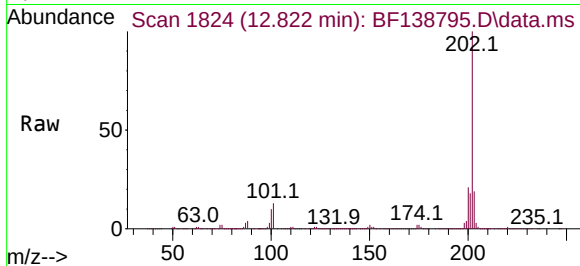




#78
Pyrene
Concen: 126.761 ng
RT: 12.822 min Scan# 1824
Delta R.T. 0.012 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

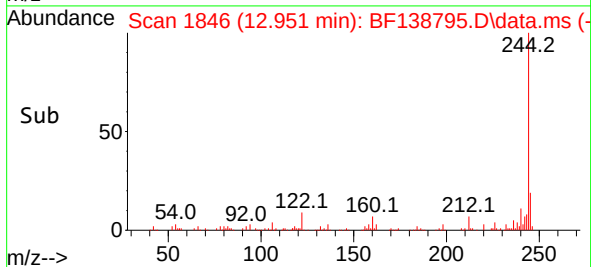
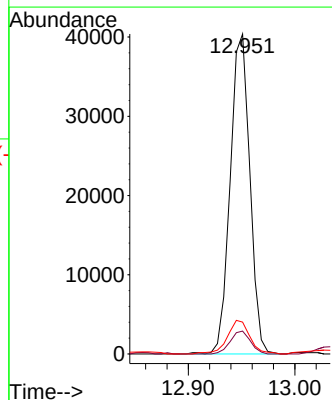
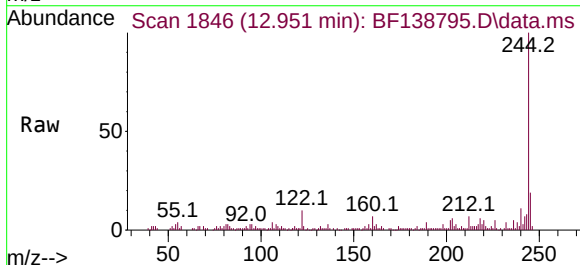
Instrument :
BNA_F
ClientSampleId :
TP3

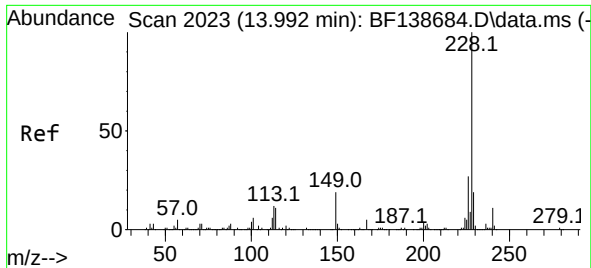
Tgt Ion:202 Resp: 894236
Ion Ratio Lower Upper
202 100
200 20.9 16.8 25.2
203 18.6 13.8 20.6



#79
Terphenyl-d14
Concen: 11.569 ng
RT: 12.951 min Scan# 1846
Delta R.T. 0.006 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

Tgt Ion:244 Resp: 51772
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.2
122 10.0 9.6 14.4

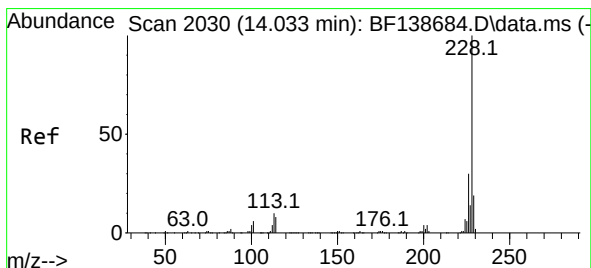
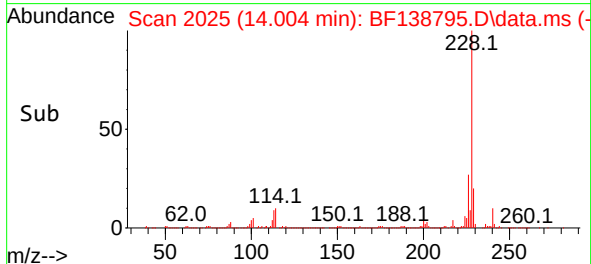
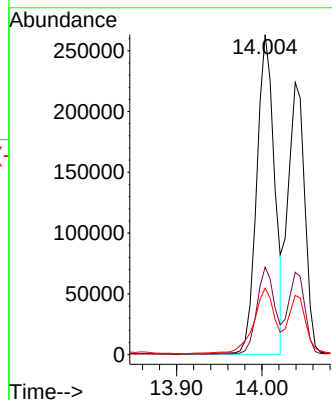
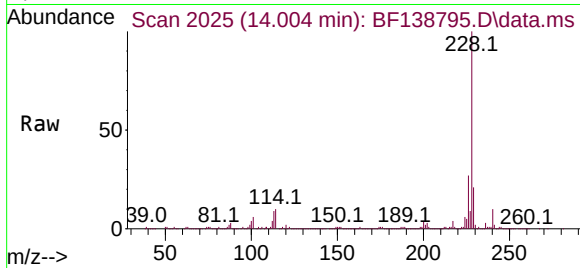




#81
Benzo(a)anthracene
Concen: 74.136 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.012 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

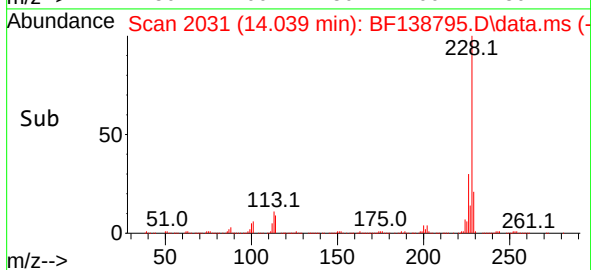
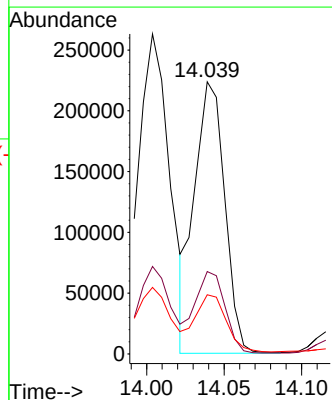
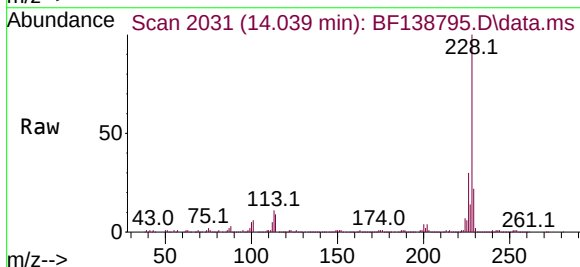
Instrument :
BNA_F
ClientSampleId :
TP3

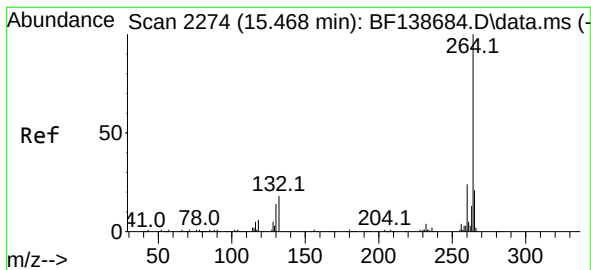
Tgt Ion:228 Resp: 382508
Ion Ratio Lower Upper
228 100
226 27.3 22.1 33.1
229 20.8 15.4 23.0



#83
Chrysene
Concen: 65.144 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

Tgt Ion:228 Resp: 303241
Ion Ratio Lower Upper
228 100
226 30.3 23.7 35.5
229 21.7 15.0 22.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF138795.D

Acq: 05 Aug 2024 20:24

Instrument :

BNA_F

ClientSampleId :

TP3

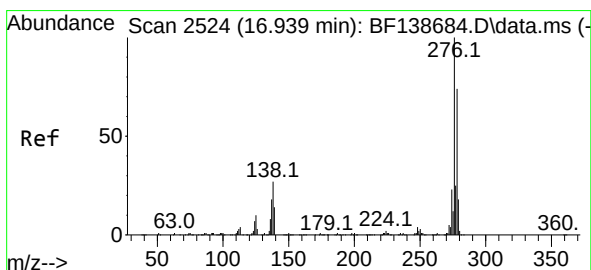
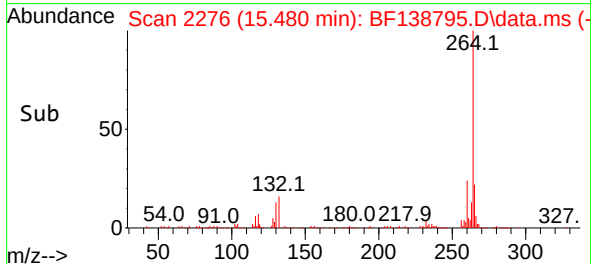
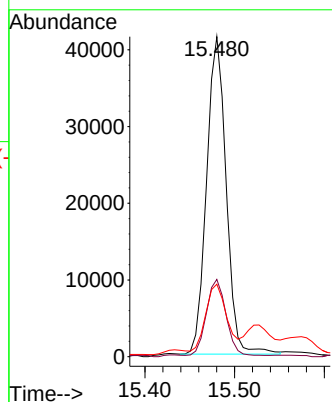
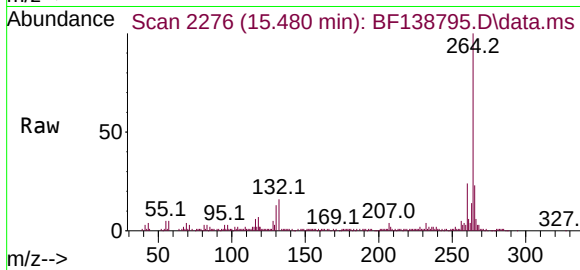
Tgt Ion:264 Resp: 62786

Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.6

265 22.6 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 19.051 ng

RT: 16.951 min Scan# 2526

Delta R.T. 0.012 min

Lab File: BF138795.D

Acq: 05 Aug 2024 20:24

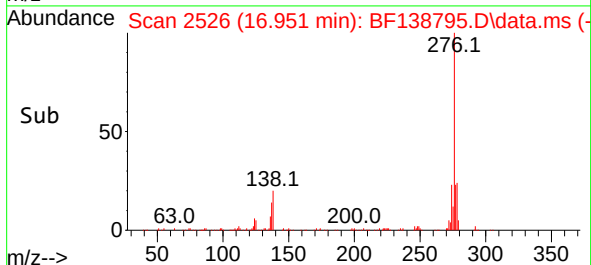
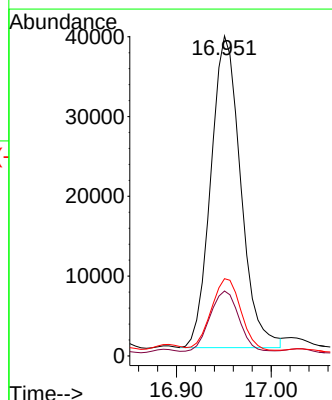
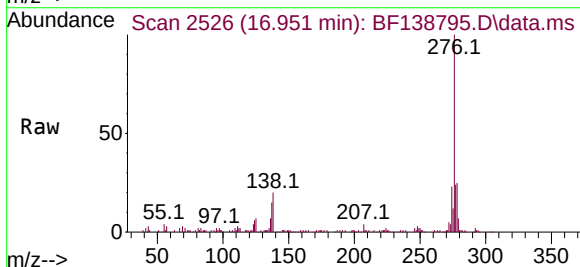
Tgt Ion:276 Resp: 85719

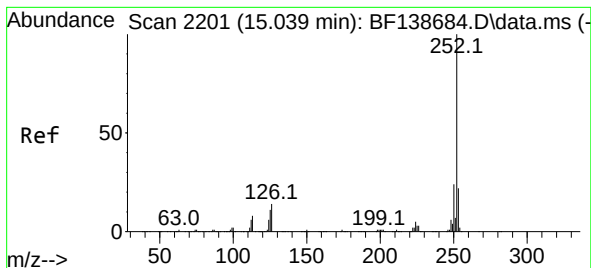
Ion Ratio Lower Upper

276 100

138 20.5 21.8 32.8#

277 23.1 20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 89.407 ng

RT: 15.057 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF138795.D

Acq: 05 Aug 2024 20:24

Instrument :

BNA_F

ClientSampleId :

TP3

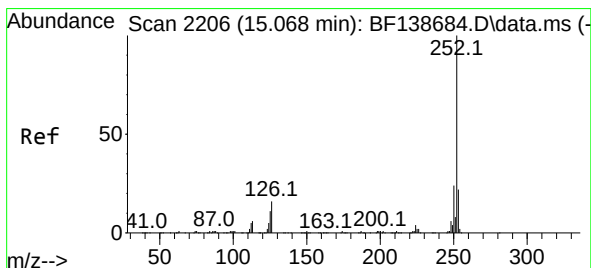
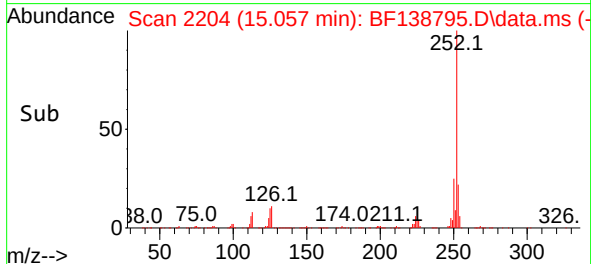
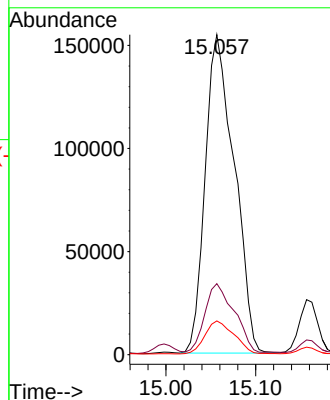
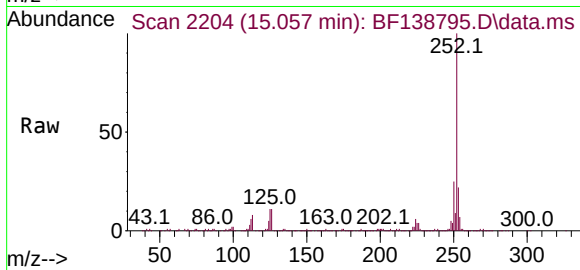
Tgt Ion:252 Resp: 347981

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 10.5 8.9 13.3



#89

Benzo(k)fluoranthene

Concen: 103.263 ng

RT: 15.057 min Scan# 2204

Delta R.T. -0.012 min

Lab File: BF138795.D

Acq: 05 Aug 2024 20:24

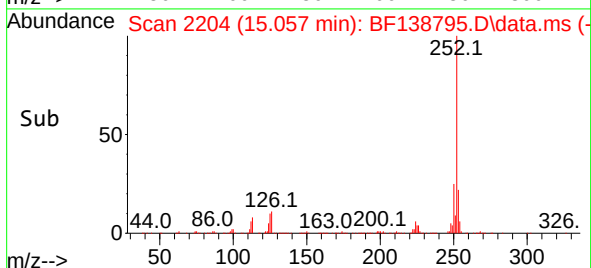
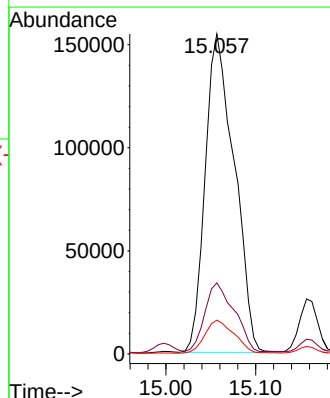
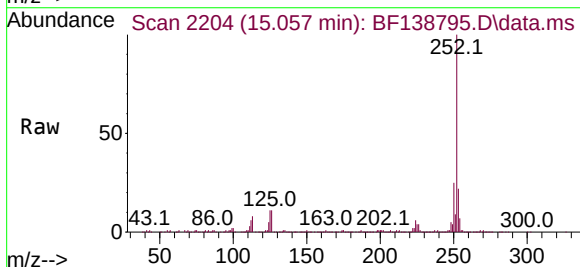
Tgt Ion:252 Resp: 347981

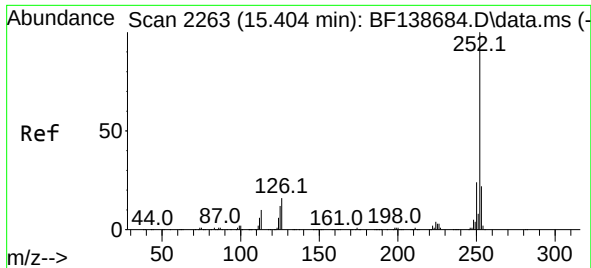
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

125 10.5 8.6 13.0

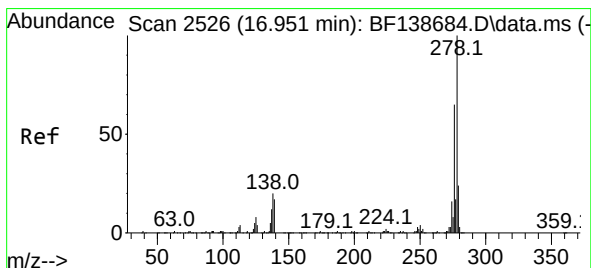
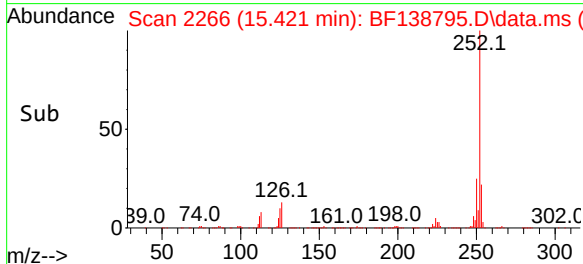
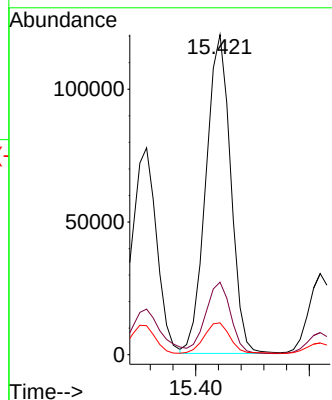
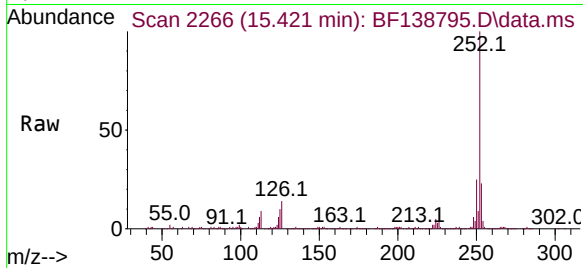




#90
Benzo(a)pyrene
Concen: 55.637 ng
RT: 15.421 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

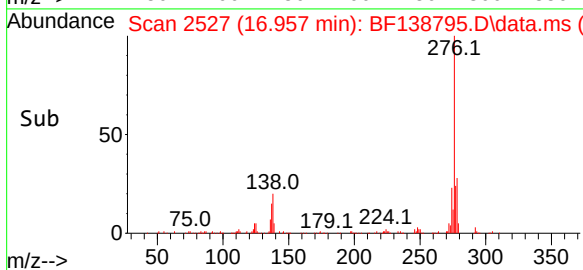
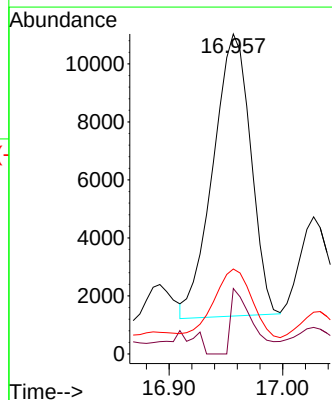
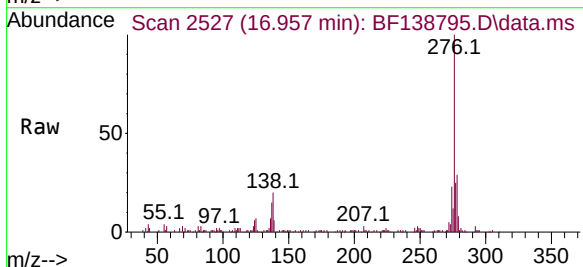
Instrument :
BNA_F
ClientSampleId :
TP3

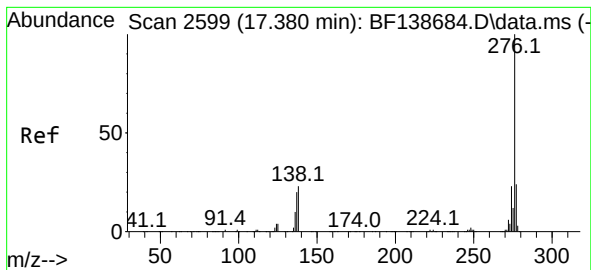
Tgt Ion:252 Resp: 182146
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 10.0 9.5 14.3



#91
Dibenzo(a,h)anthracene
Concen: 6.065 ng
RT: 16.957 min Scan# 2527
Delta R.T. 0.006 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

Tgt Ion:278 Resp: 22401
Ion Ratio Lower Upper
278 100
139 20.5 14.0 21.0
279 26.6 19.0 28.4





#92

Benzo(g,h,i)perylene

Concen: 20.426 ng

RT: 17.404 min Scan# 20

Delta R.T. 0.024 min

Lab File: BF138795.D

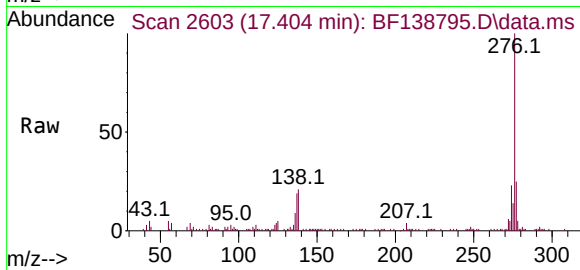
Acq: 05 Aug 2024 20:24

Instrument :

BNA_F

ClientSampleId :

TP3



Tgt Ion:276 Resp: 78286

Ion	Ratio	Lower	Upper
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276	100		
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277	25.4	19.0	28.4
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138	21.1	18.5	27.7
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