

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120524\
 Data File : BF140756.D
 Acq On : 05 Dec 2024 18:37
 Operator : RC/JU
 Sample : P5105-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CTWK-COMP-1

Quant Time: Dec 06 00:07:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

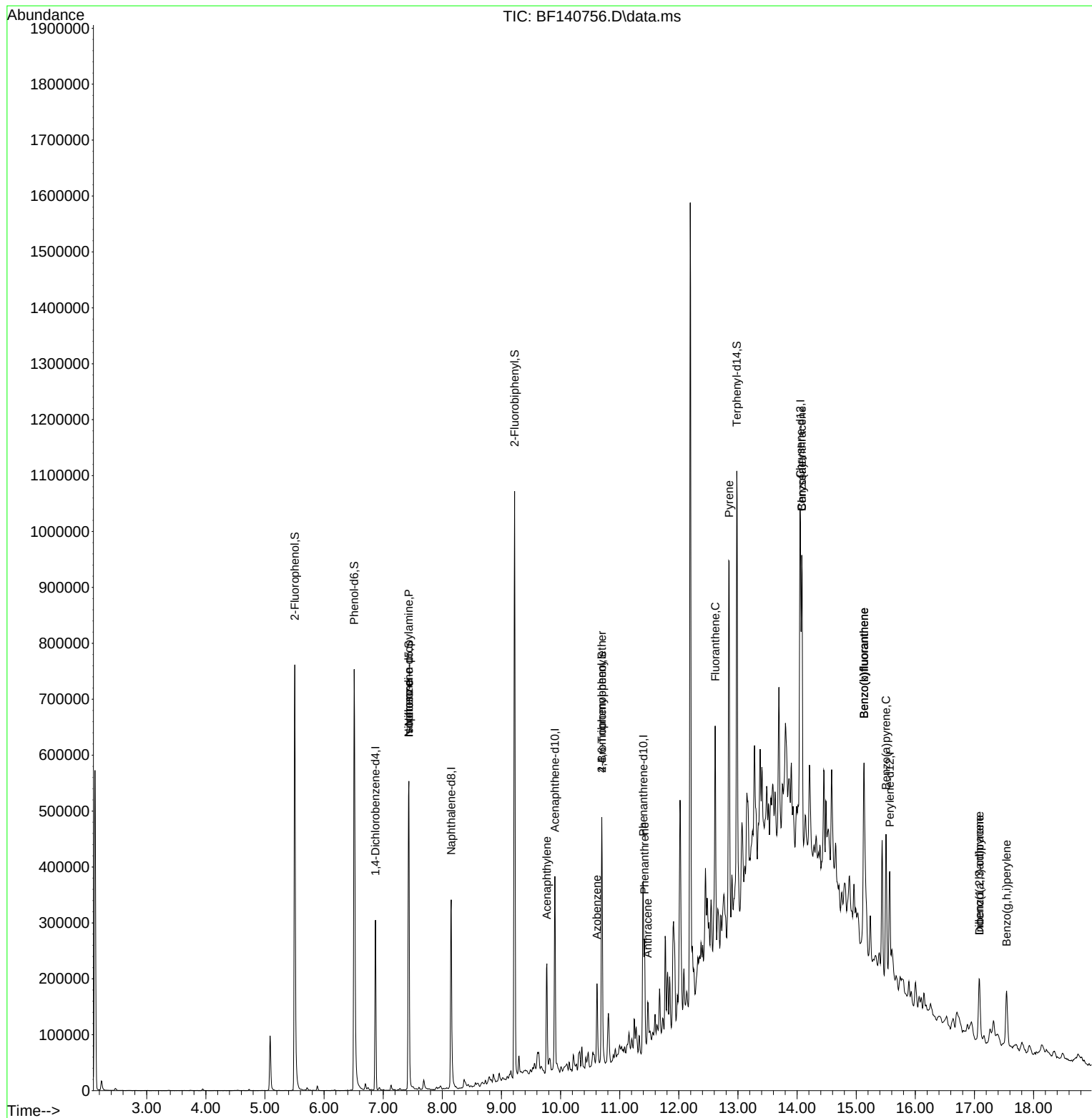
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	64491	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	226256	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	105193	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	153445	20.000	ng	0.00
76) Chrysene-d12	14.057	240	132597	20.000	ng	0.00
86) Perylene-d12	15.568	264	122214	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	314953	83.326	ng	0.00
7) Phenol-d6	6.510	99	405768	81.203	ng	0.00
23) Nitrobenzene-d5	7.433	82	266129	60.164	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	77217	68.634	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	462966	65.574	ng	-0.01
79) Terphenyl-d14	12.980	244	369626	43.406	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.433	70	36182	12.252	ng	# 75
25) Isophorone	7.433	82	262421	35.569	ng	# 66
49) Acenaphthylene	9.769	152	119387	13.278	ng	99
63) Azobenzene	10.616	77	36443	5.467	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	4657	2.947	ng	# 1
71) Phenanthrene	11.421	178	89241	12.099	ng	99
72) Anthracene	11.474	178	42452	5.884	ng	97
75) Fluoranthene	12.615	202	211514	26.412	ng	97
78) Pyrene	12.851	202	376869	30.739	ng	97
81) Benzo(a)anthracene	14.080	228	273400	31.148	ng	94
83) Chrysene	14.080	228	273400	34.065	ng	97
87) Indeno(1,2,3-cd)pyrene	17.086	276	78066	9.802	ng	96
88) Benzo(b)fluoranthene	15.133	252	277416	36.139	ng	# 97
89) Benzo(k)fluoranthene	15.133	252	277416	41.297	ng	# 98
90) Benzo(a)pyrene	15.504	252	141270	22.634	ng	97
91) Dibenzo(a,h)anthracene	17.086	278	26580	4.075	ng	# 88
92) Benzo(g,h,i)perylene	17.545	276	92188	13.850	ng	99

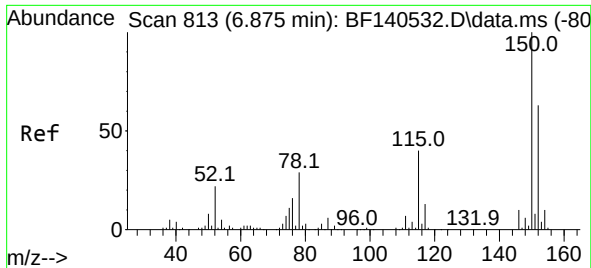
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120524\
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Quant Time: Dec 06 00:07:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

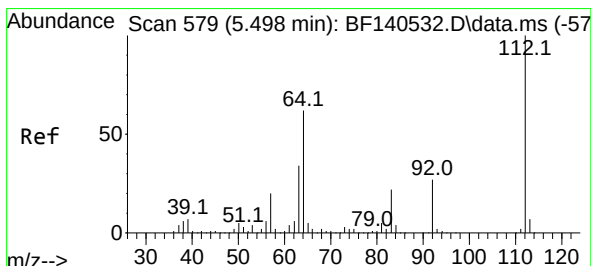
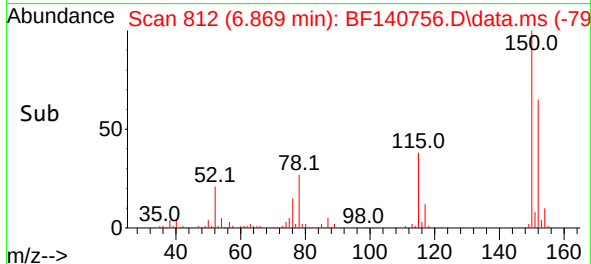
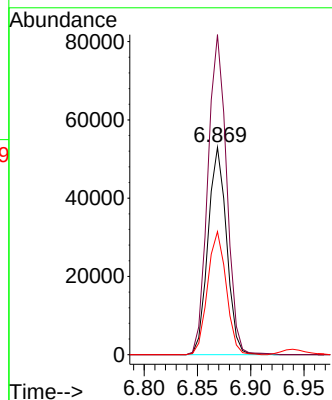
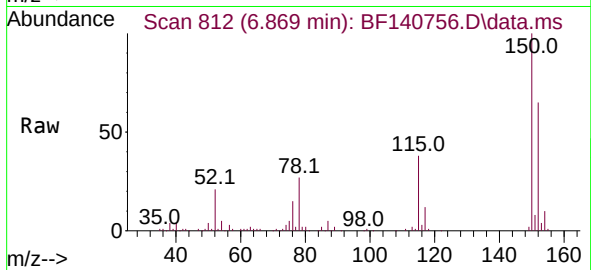




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF140756.D
 Acq: 05 Dec 2024 18:37

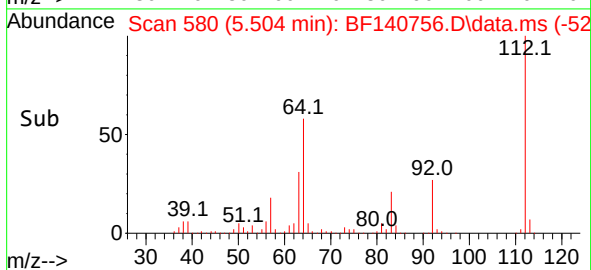
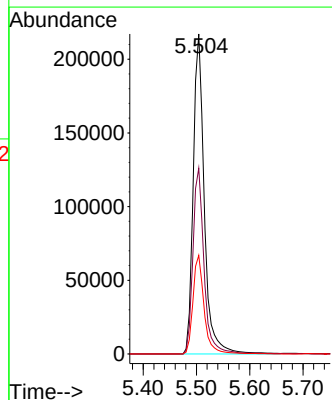
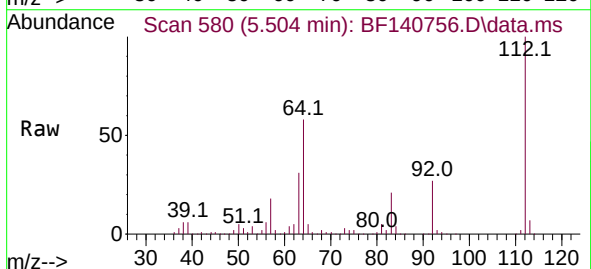
Instrument :
 BNA_F
 ClientSampleId :
 CTWK-COMP-1

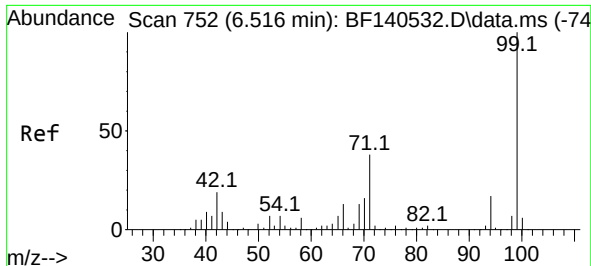
Tgt Ion:152 Resp: 64491
 Ion Ratio Lower Upper
 152 100
 150 154.3 128.5 192.7
 115 59.4 50.2 75.4



#5
 2-Fluorophenol
 Concen: 83.326 ng
 RT: 5.504 min Scan# 580
 Delta R.T. 0.006 min
 Lab File: BF140756.D
 Acq: 05 Dec 2024 18:37

Tgt Ion:112 Resp: 314953
 Ion Ratio Lower Upper
 112 100
 64 58.0 49.2 73.8
 63 30.8 27.0 40.4

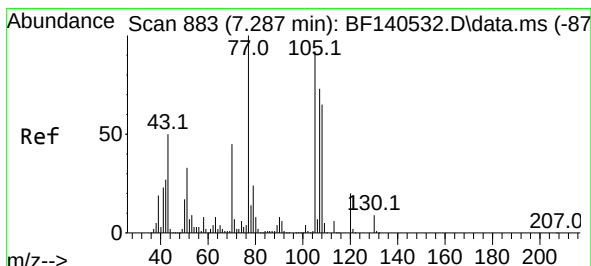
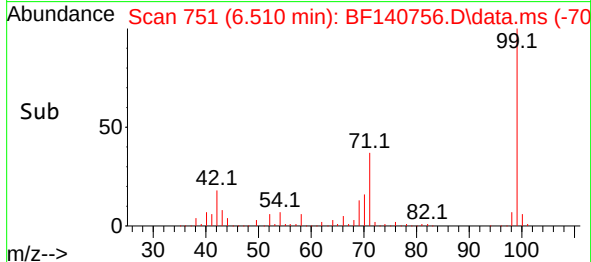
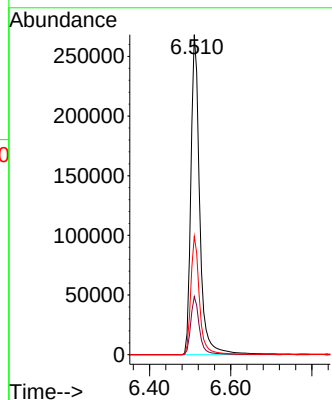
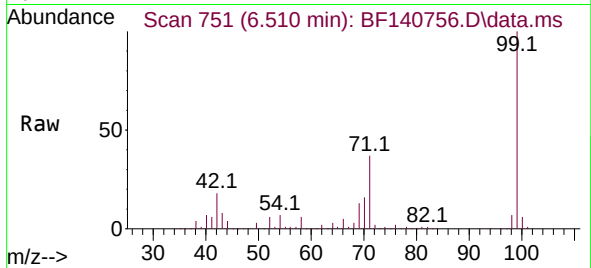




#7
Phenol-d6
Concen: 81.203 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

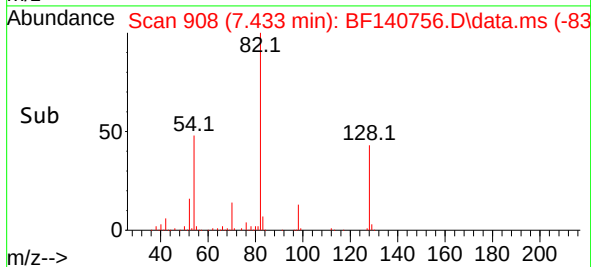
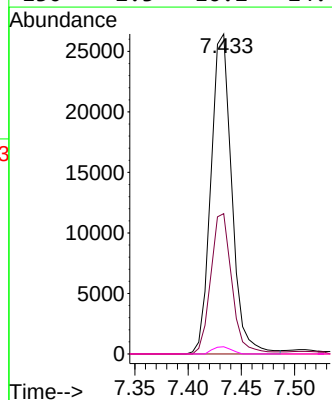
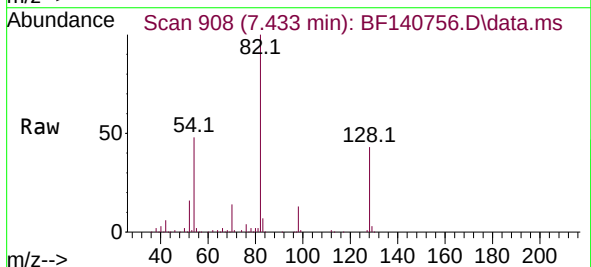
Instrument :
BNA_F
ClientSampleId :
CTWK-COMP-1

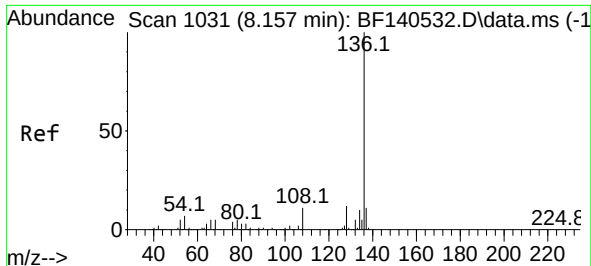
Tgt Ion: 99 Resp: 405768
Ion Ratio Lower Upper
99 100
42 18.1 15.4 23.0
71 37.0 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 12.252 ng
RT: 7.433 min Scan# 908
Delta R.T. 0.147 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

Tgt Ion: 70 Resp: 36182
Ion Ratio Lower Upper
70 100
42 43.8 47.6 71.4#
101 0.0 7.6 11.4#
130 2.3 16.2 24.4#



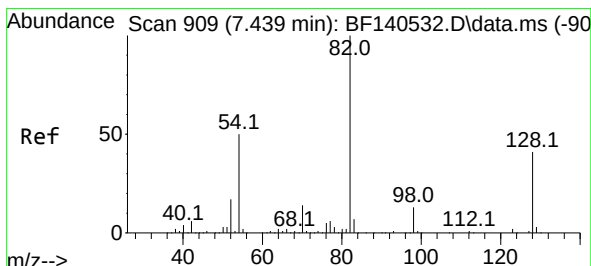
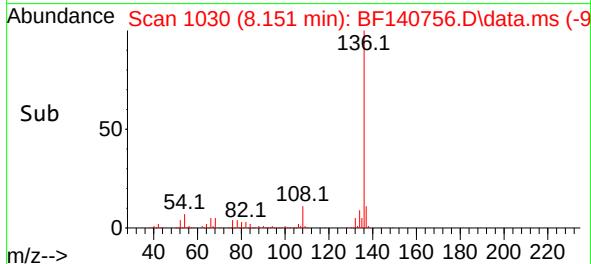
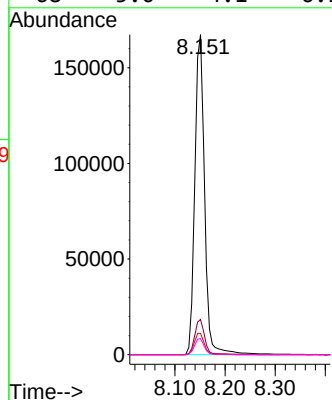
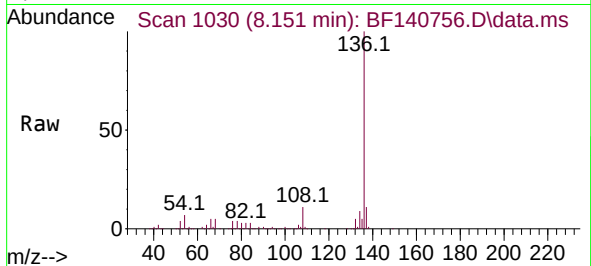


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

Instrument :
BNA_F
ClientSampleId :
CTWK-COMP-1

Tgt Ion:136 Resp: 226256

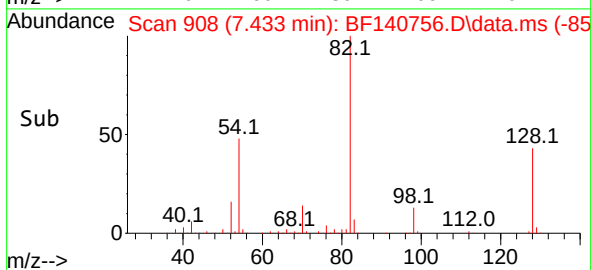
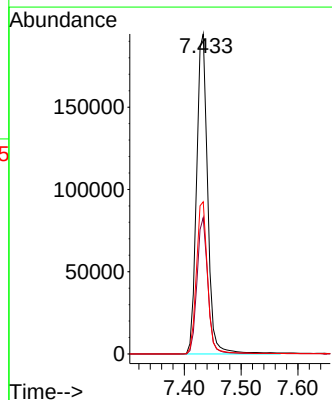
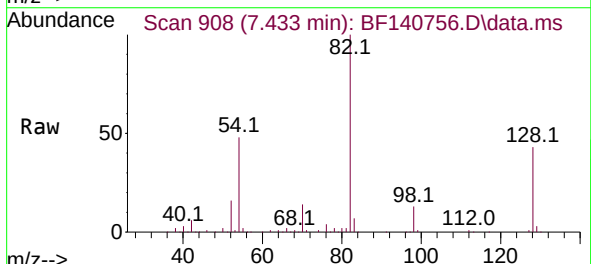
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	6.6	5.8	8.8
68	5.0	4.1	6.1

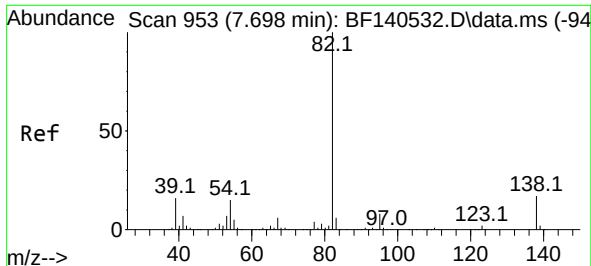


#23
Nitrobenzene-d5
Concen: 60.164 ng
RT: 7.433 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

Tgt Ion: 82 Resp: 266129

Ion	Ratio	Lower	Upper
82	100		
128	42.6	33.0	49.4
54	47.5	39.5	59.3

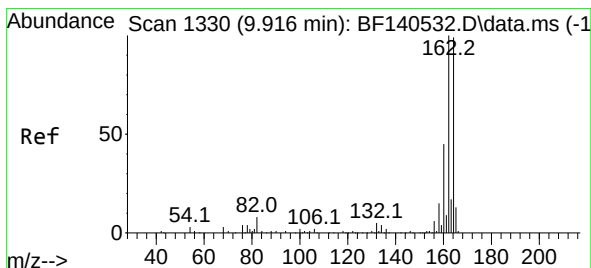
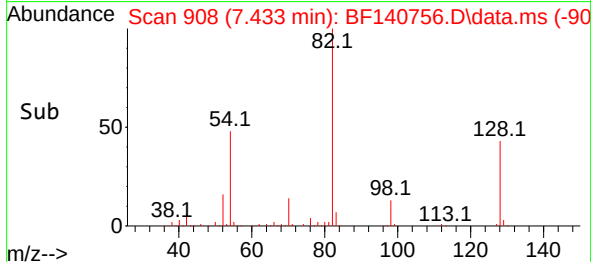
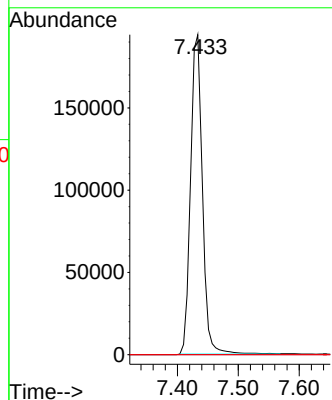
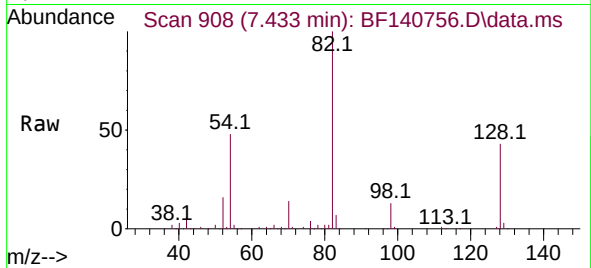




#25
Isophorone
Concen: 35.569 ng
RT: 7.433 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

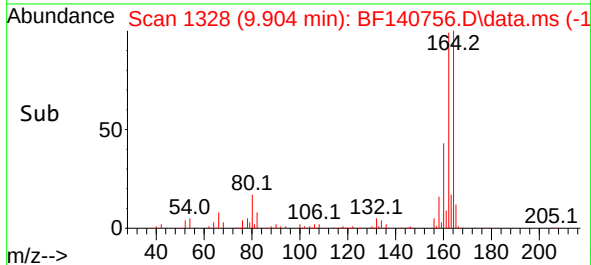
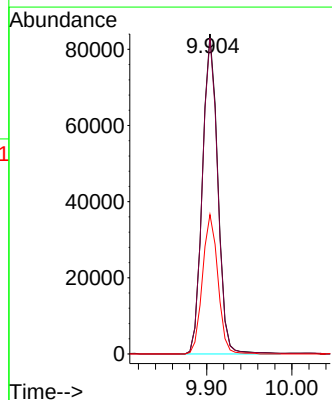
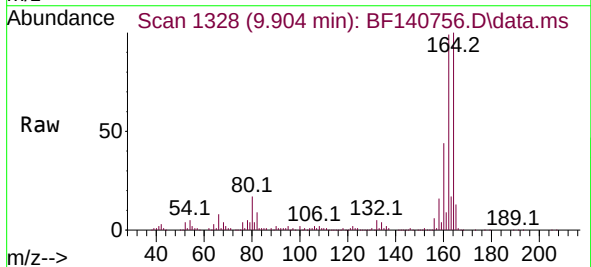
Instrument :
BNA_F
ClientSampleId :
CTWK-COMP-1

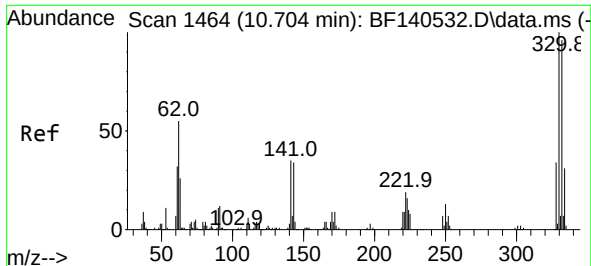
Tgt Ion: 82 Resp: 262421
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

Tgt Ion:164 Resp: 105193
Ion Ratio Lower Upper
164 100
162 98.7 80.6 120.8
160 43.6 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 68.634 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140756.D

Acq: 05 Dec 2024 18:37

Instrument :

BNA_F

ClientSampleId :

CTWK-COMP-1

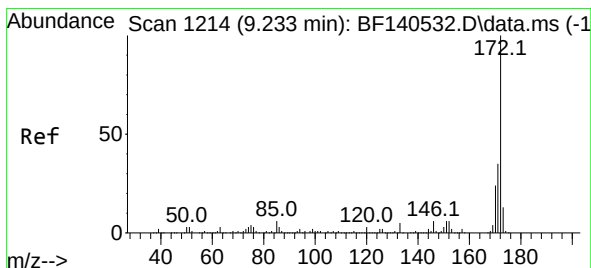
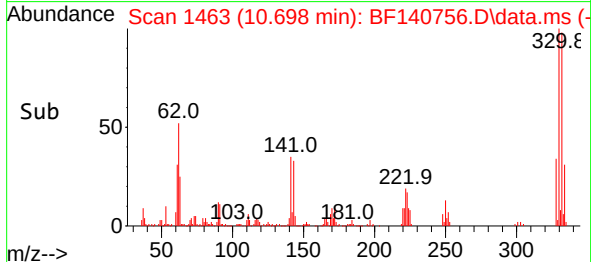
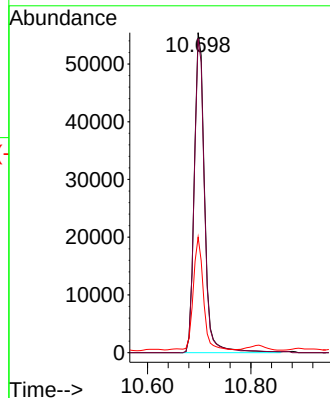
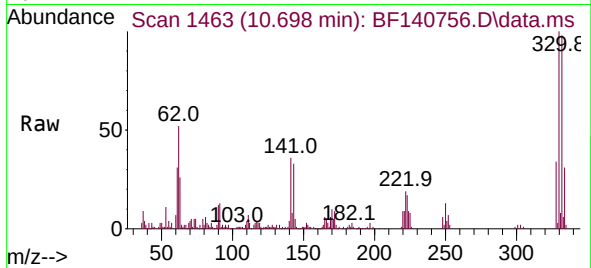
Tgt Ion:330 Resp: 77217

Ion Ratio Lower Upper

330 100

332 96.2 76.9 115.3

141 35.3 26.7 40.1



#45

2-Fluorobiphenyl

Concen: 65.574 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.012 min

Lab File: BF140756.D

Acq: 05 Dec 2024 18:37

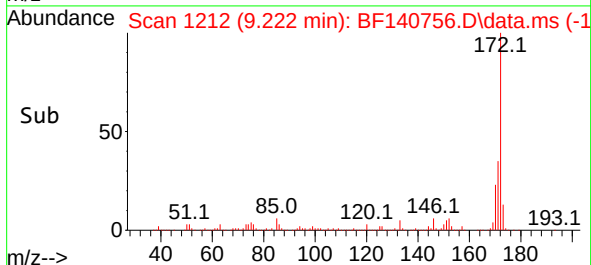
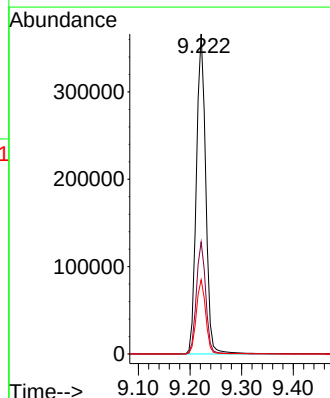
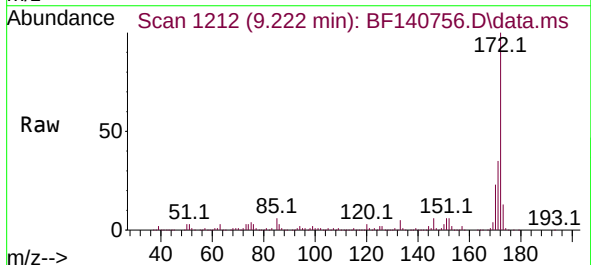
Tgt Ion:172 Resp: 462966

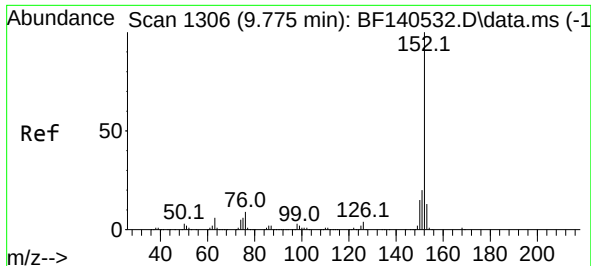
Ion Ratio Lower Upper

172 100

171 35.0 28.4 42.6

170 23.2 19.0 28.6

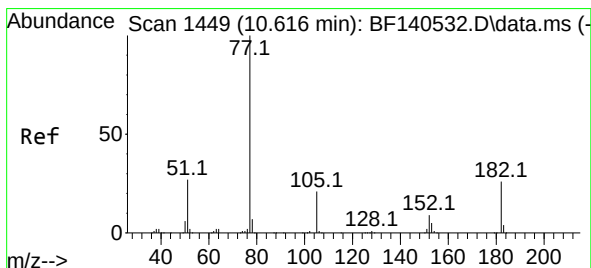
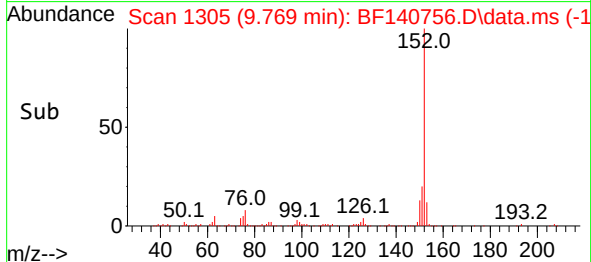
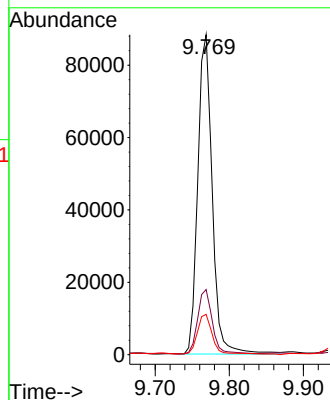
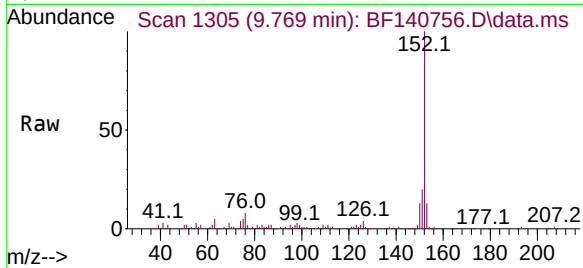




#49
Acenaphthylene
Concen: 13.278 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

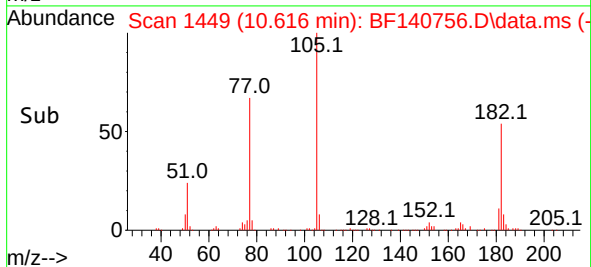
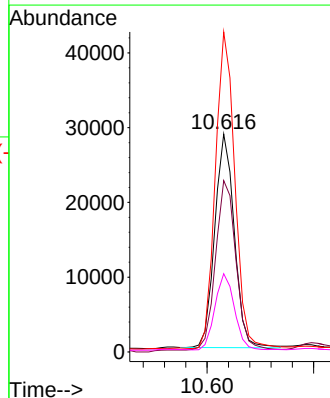
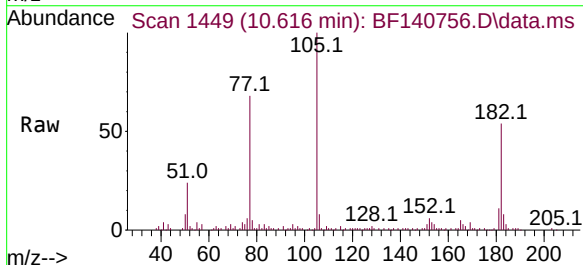
Instrument :
BNA_F
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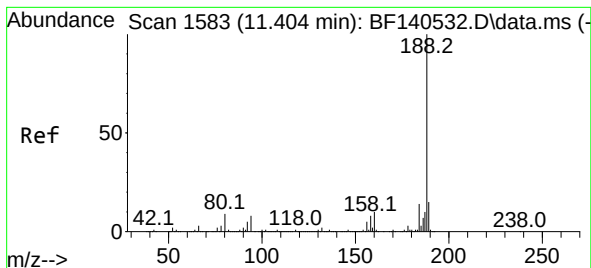
Tgt Ion:152 Resp: 119387
Ion Ratio Lower Upper
152 100
151 20.4 15.9 23.9
153 12.6 10.6 16.0



#63
Azobenzene
Concen: 5.467 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

Tgt Ion: 77 Resp: 36443
Ion Ratio Lower Upper
77 100
182 78.6 5.3 45.3#
105 146.9 0.3 40.3#
51 35.9 9.4 49.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140756.D

Acq: 05 Dec 2024 18:37

Instrument :

BNA_F

ClientSampleId :

CTWK-COMP-1

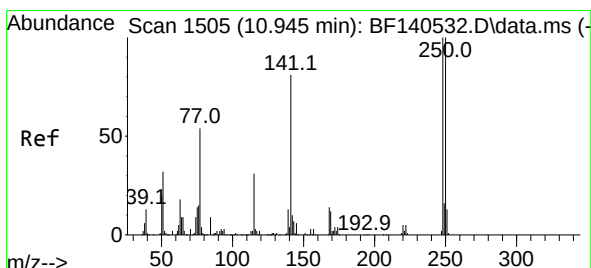
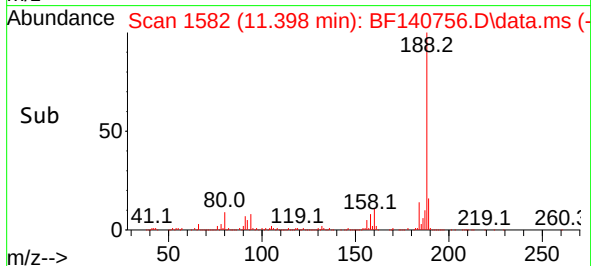
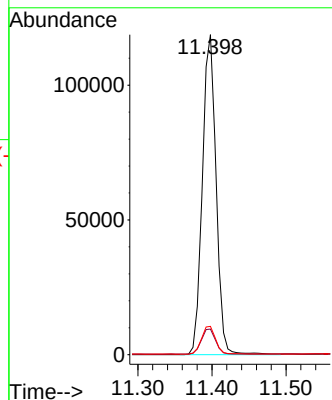
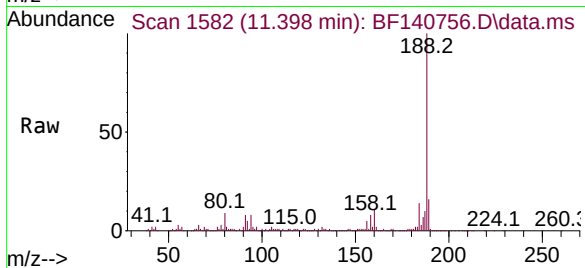
Tgt Ion:188 Resp: 153445

Ion Ratio Lower Upper

188 100

94 8.0 6.4 9.6

80 8.9 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 2.947 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF140756.D

Acq: 05 Dec 2024 18:37

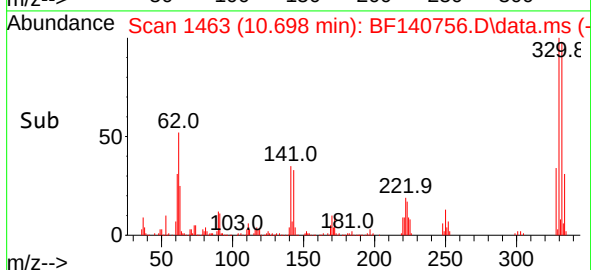
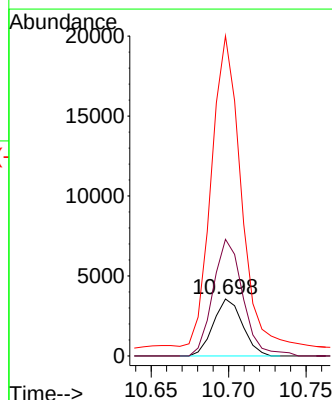
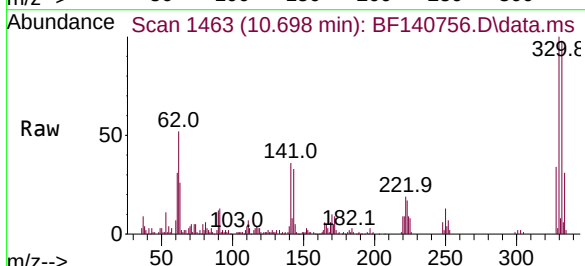
Tgt Ion:248 Resp: 4657

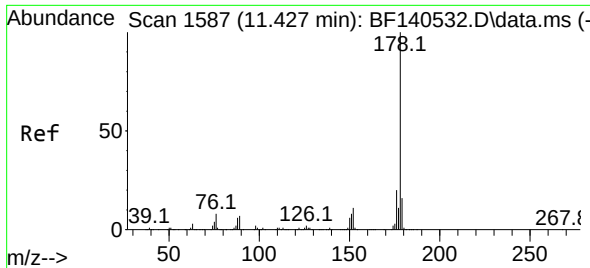
Ion Ratio Lower Upper

248 100

250 204.9 79.8 119.8#

141 562.5 64.7 97.1#

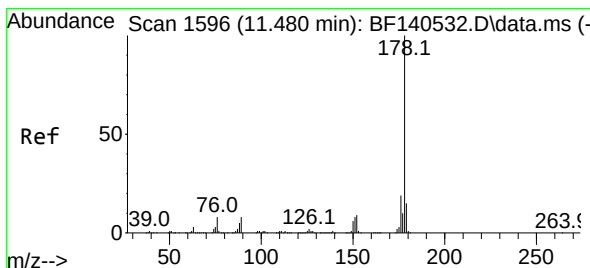
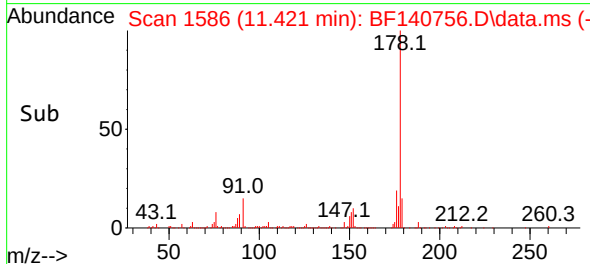
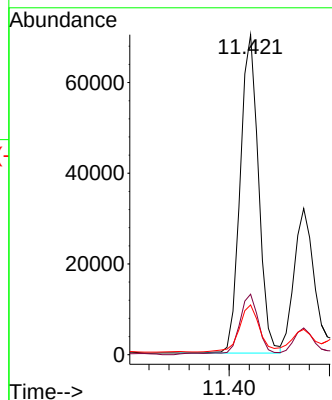
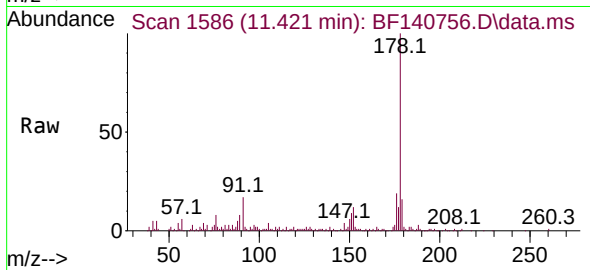




#71
Phenanthrene
Concen: 12.099 ng
RT: 11.421 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

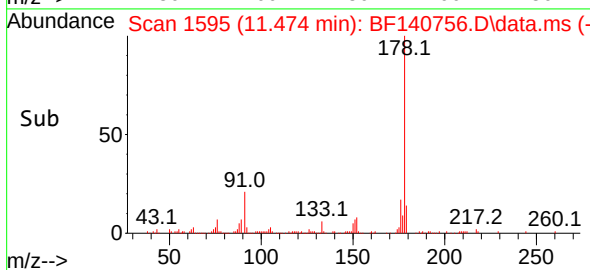
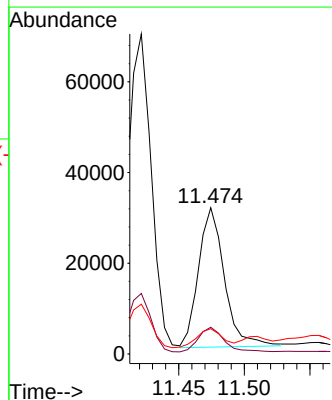
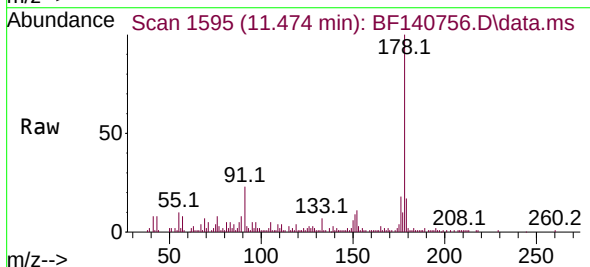
Instrument :
BNA_F
ClientSampleId :
CTWK-COMP-1

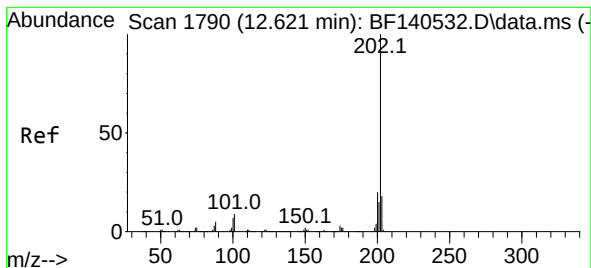
Tgt Ion:178 Resp: 89241
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 15.6 12.4 18.6



#72
Anthracene
Concen: 5.884 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

Tgt Ion:178 Resp: 42452
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.4
179 17.3 12.2 18.4





#75

Fluoranthene

Concen: 26.412 ng

RT: 12.615 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140756.D

Acq: 05 Dec 2024 18:37

Instrument :

BNA_F

ClientSampleId :

CTWK-COMP-1

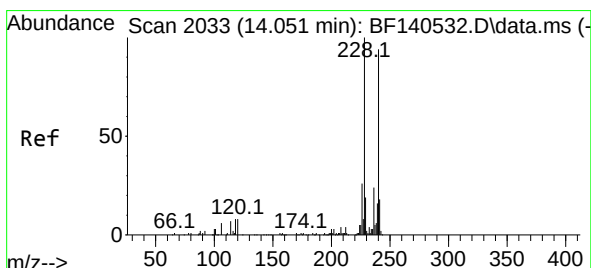
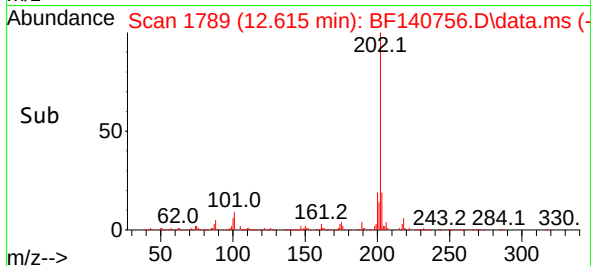
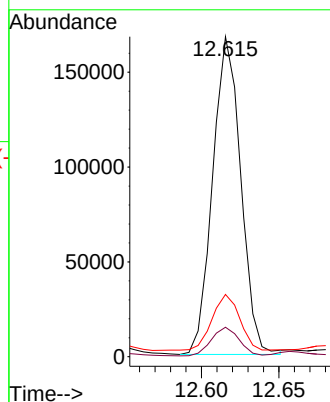
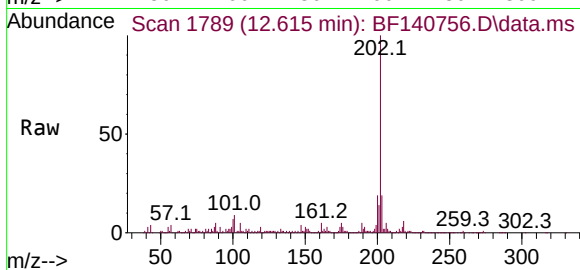
Tgt Ion:202 Resp: 211514

Ion Ratio Lower Upper

202 100

101 9.2 0.0 28.9

203 19.4 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2034

Delta R.T. 0.006 min

Lab File: BF140756.D

Acq: 05 Dec 2024 18:37

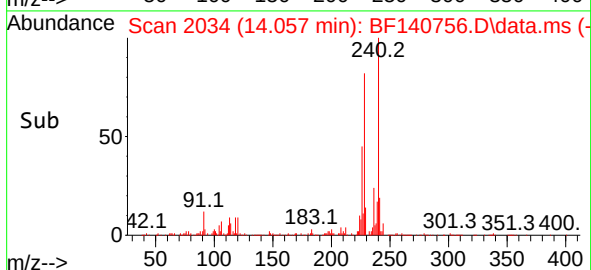
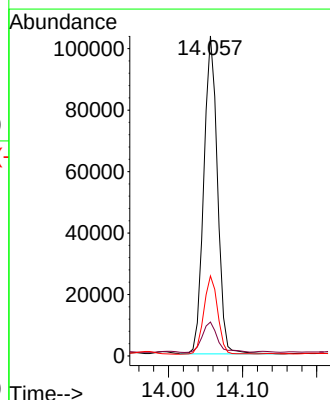
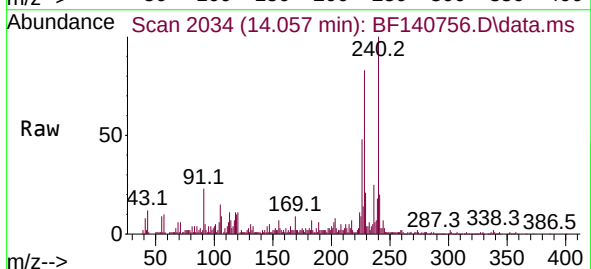
Tgt Ion:240 Resp: 132597

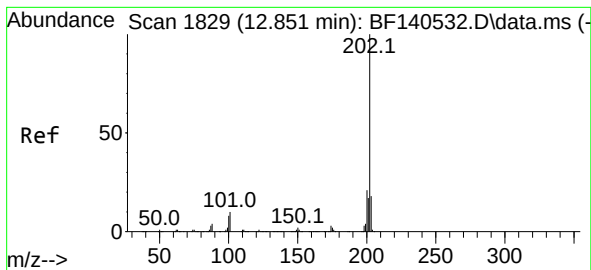
Ion Ratio Lower Upper

240 100

120 10.6 7.3 10.9

236 25.0 20.6 31.0





#78

Pyrene

Concen: 30.739 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.000 min

Lab File: BF140756.D

Acq: 05 Dec 2024 18:37

Instrument :

BNA_F

ClientSampleId :

CTWK-COMP-1

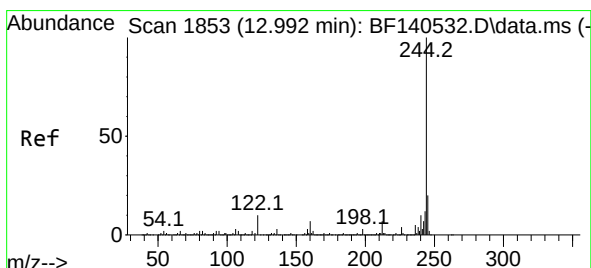
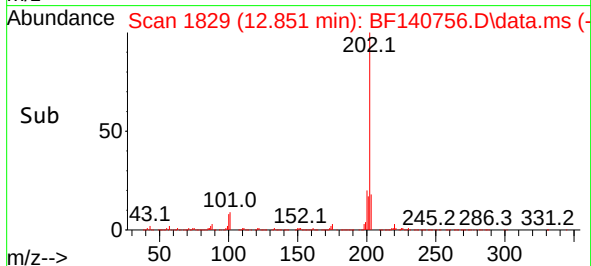
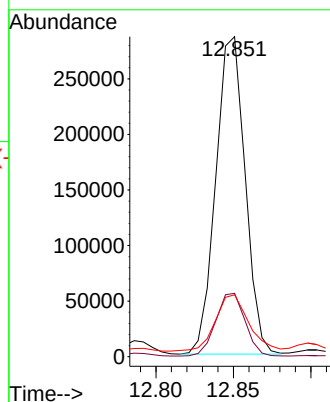
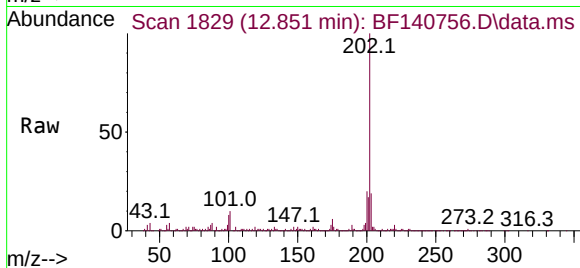
Tgt Ion:202 Resp: 376869

Ion Ratio Lower Upper

202 100

200 19.8 16.5 24.7

203 19.3 14.2 21.4



#79

Terphenyl-d14

Concen: 43.406 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.012 min

Lab File: BF140756.D

Acq: 05 Dec 2024 18:37

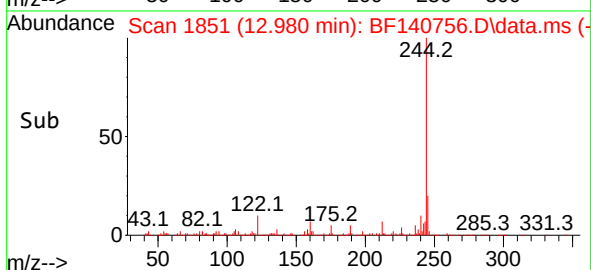
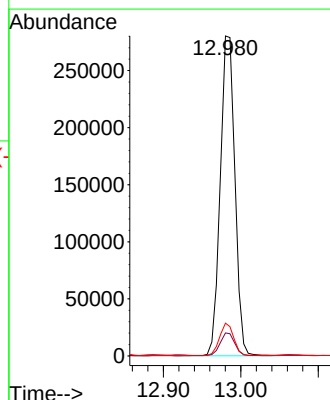
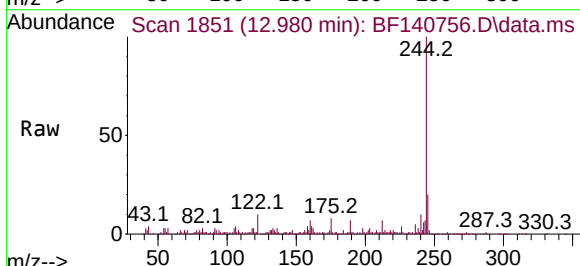
Tgt Ion:244 Resp: 369626

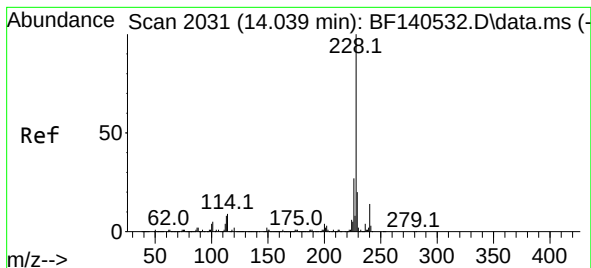
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 10.3 8.0 12.0





#81

Benzo(a)anthracene

Concen: 31.148 ng

RT: 14.080 min Scan# 2031

Delta R.T. 0.041 min

Lab File: BF140756.D

Acq: 05 Dec 2024 18:37

Instrument :

BNA_F

ClientSampleId :

CTWK-COMP-1

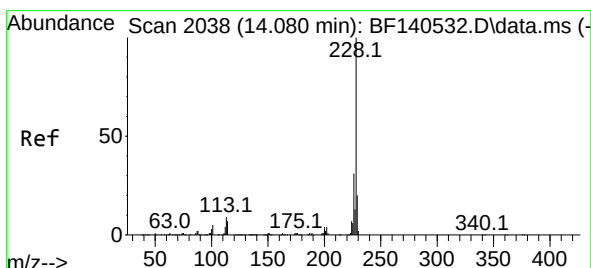
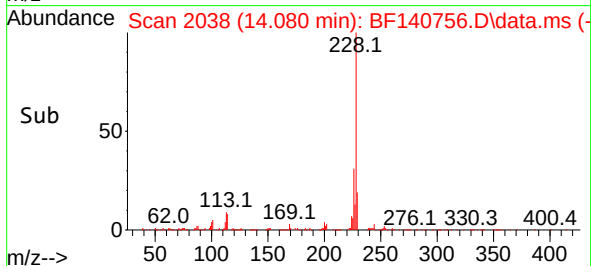
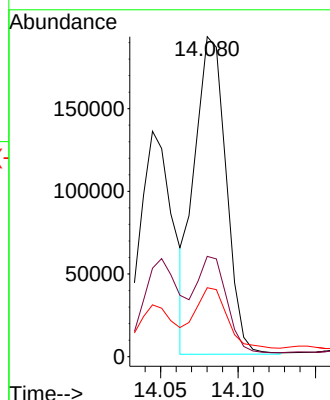
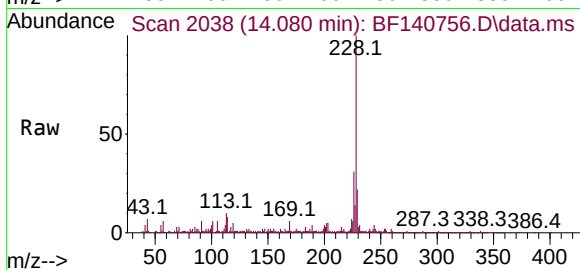
Tgt Ion:228 Resp: 273400

Ion Ratio Lower Upper

228 100

226 31.3 21.8 32.8

229 21.6 15.8 23.6



#83

Chrysene

Concen: 34.065 ng

RT: 14.080 min Scan# 2038

Delta R.T. -0.000 min

Lab File: BF140756.D

Acq: 05 Dec 2024 18:37

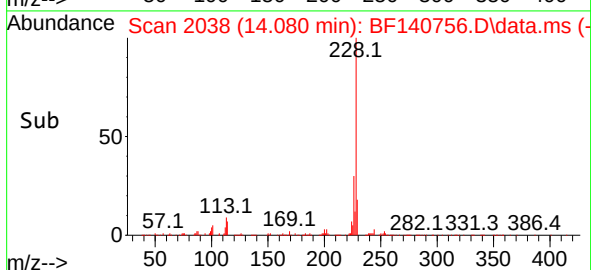
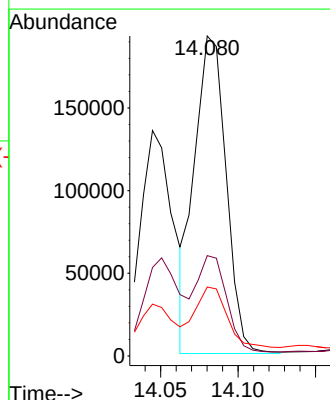
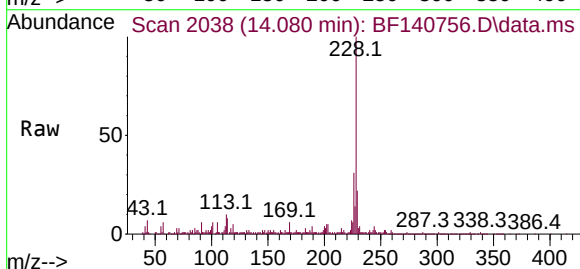
Tgt Ion:228 Resp: 273400

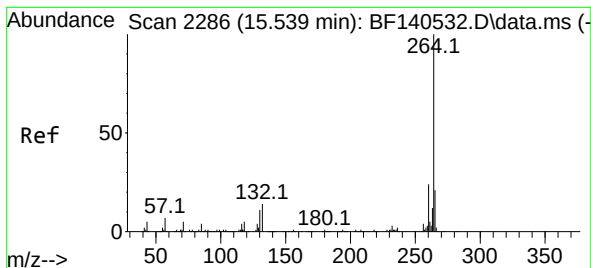
Ion Ratio Lower Upper

228 100

226 31.3 24.4 36.6

229 21.6 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF140756.D

Acq: 05 Dec 2024 18:37

Instrument :

BNA_F

ClientSampleId :

CTWK-COMP-1

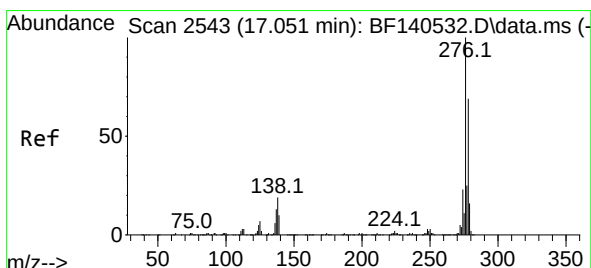
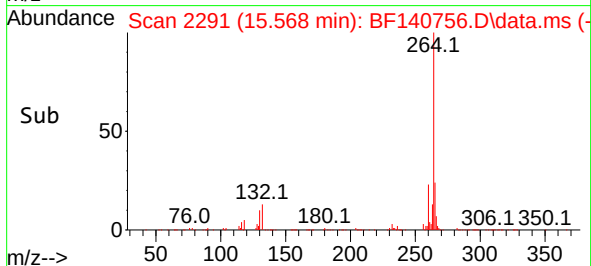
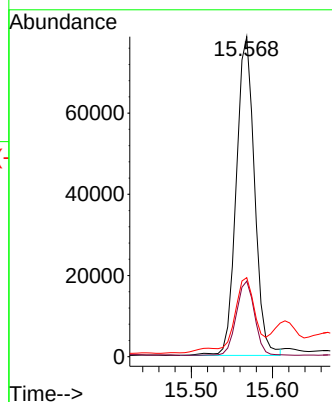
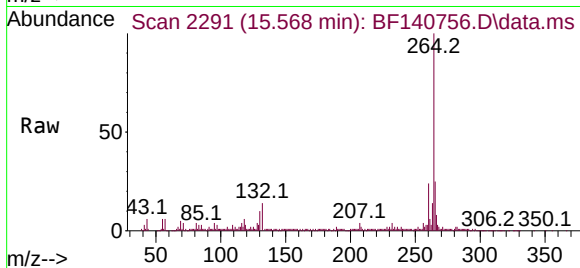
Tgt Ion:264 Resp: 122214

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.6

265 24.7 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.802 ng

RT: 17.086 min Scan# 2549

Delta R.T. 0.035 min

Lab File: BF140756.D

Acq: 05 Dec 2024 18:37

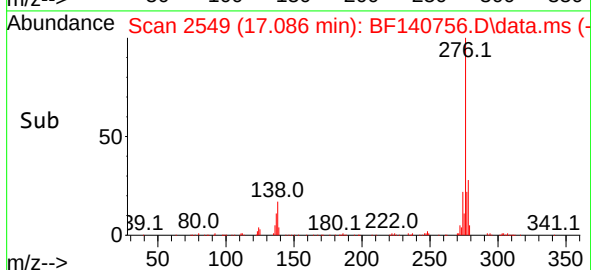
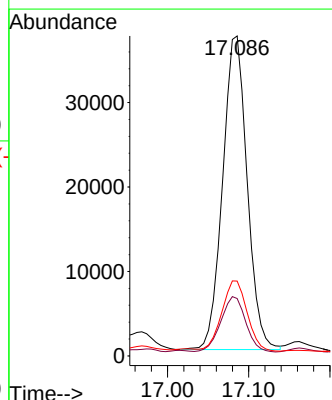
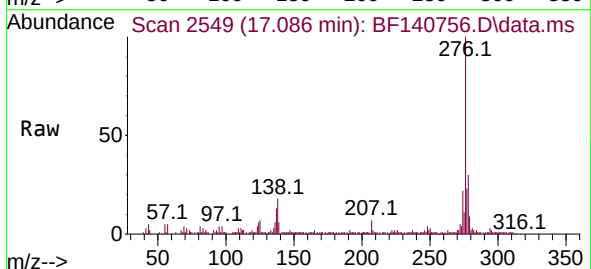
Tgt Ion:276 Resp: 78066

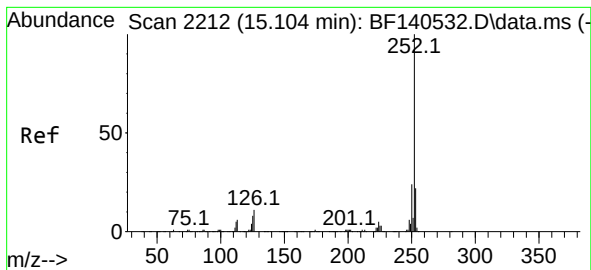
Ion Ratio Lower Upper

276 100

138 17.9 15.5 23.3

277 23.2 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 36.139 ng

RT: 15.133 min Scan# 2217

Delta R.T. 0.029 min

Lab File: BF140756.D

Acq: 05 Dec 2024 18:37

Instrument :

BNA_F

ClientSampleId :

CTWK-COMP-1

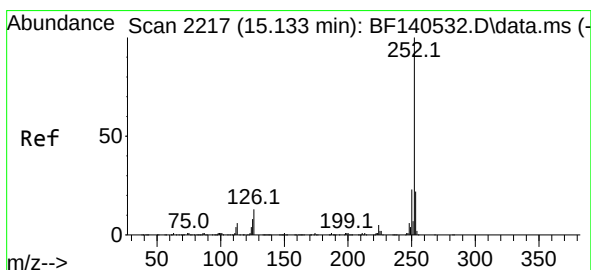
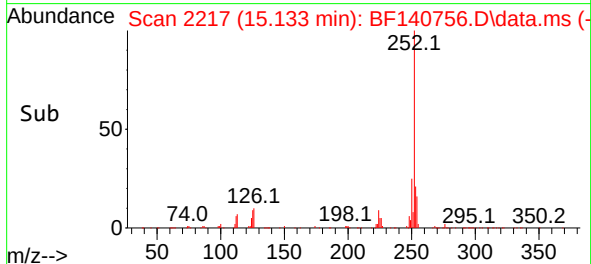
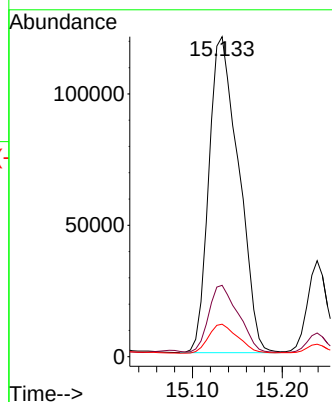
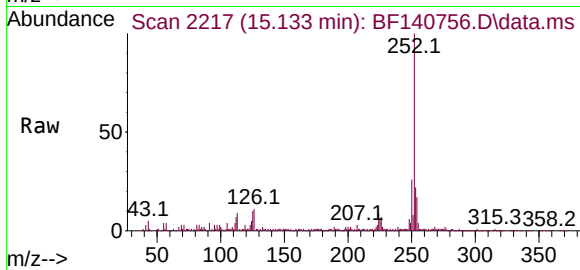
Tgt Ion:252 Resp: 277416

Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

125 10.1 6.7 10.1#



#89

Benzo(k)fluoranthene

Concen: 41.297 ng

RT: 15.133 min Scan# 2217

Delta R.T. -0.000 min

Lab File: BF140756.D

Acq: 05 Dec 2024 18:37

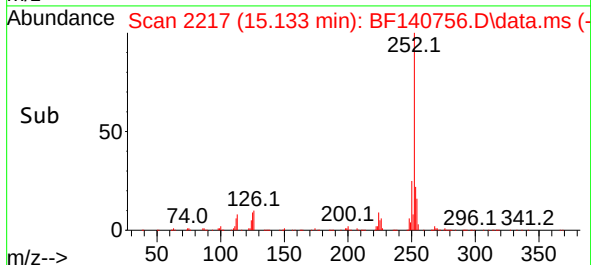
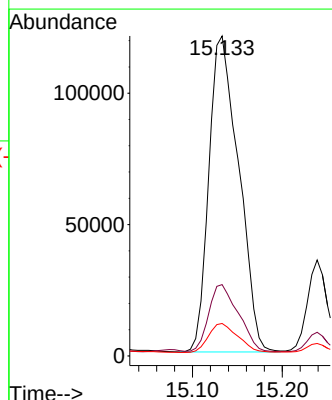
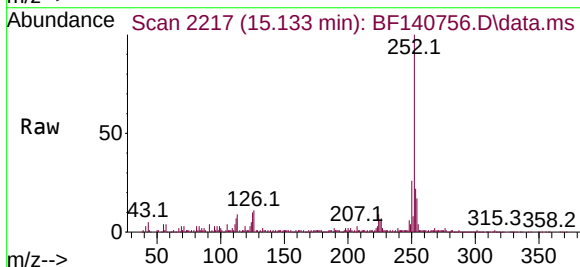
Tgt Ion:252 Resp: 277416

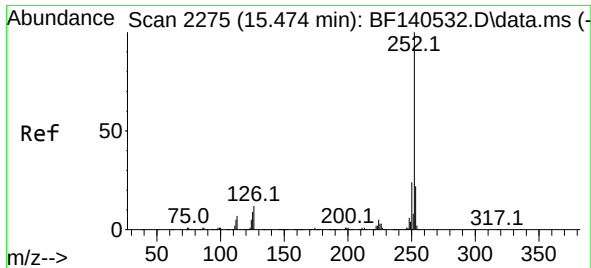
Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

125 10.1 6.5 9.7#

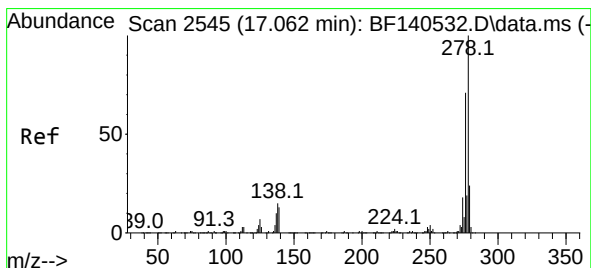
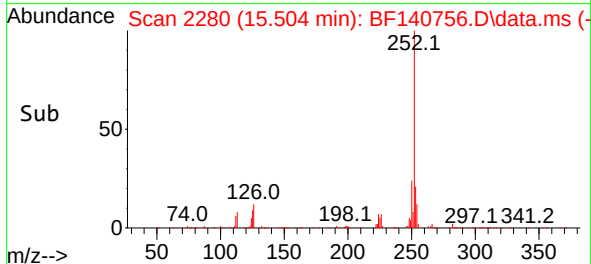
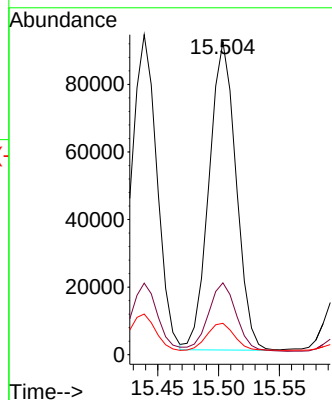
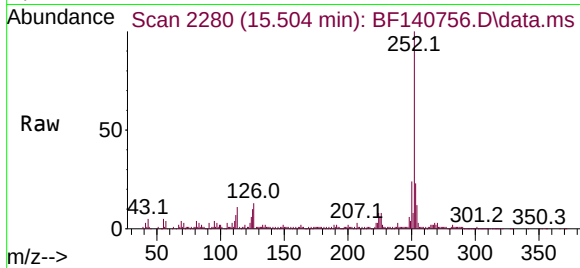




#90
Benzo(a)pyrene
Concen: 22.634 ng
RT: 15.504 min Scan# 21
Delta R.T. 0.029 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

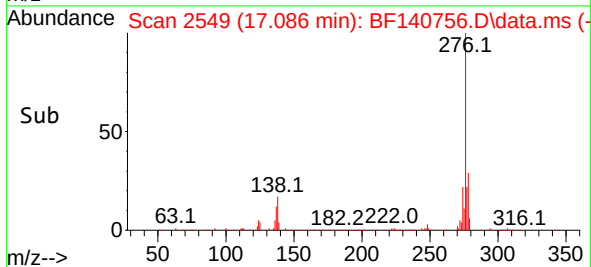
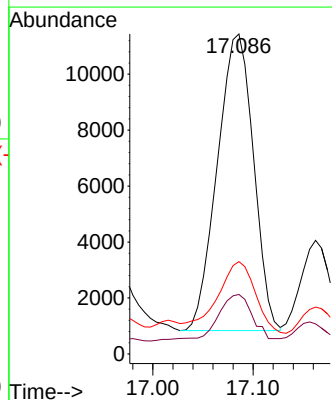
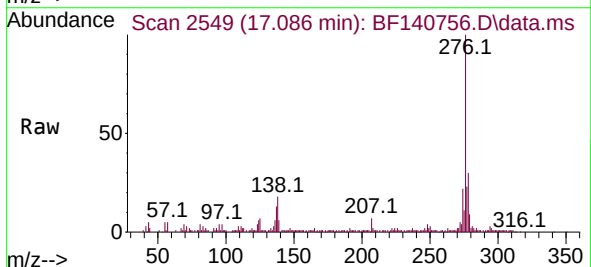
Instrument :
BNA_F
ClientSampleId :
CTWK-COMP-1

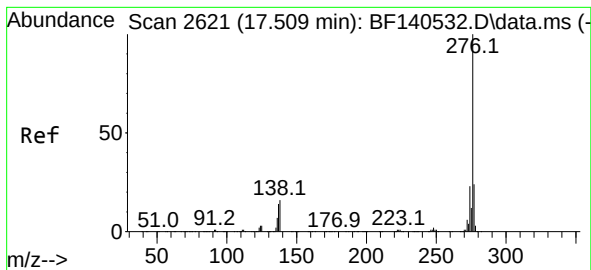
Tgt Ion:252 Resp: 141270
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 10.0 7.0 10.6



#91
Dibenzo(a,h)anthracene
Concen: 4.075 ng
RT: 17.086 min Scan# 2549
Delta R.T. 0.023 min
Lab File: BF140756.D
Acq: 05 Dec 2024 18:37

Tgt Ion:278 Resp: 26580
Ion Ratio Lower Upper
278 100
139 18.6 10.2 15.4#
279 28.8 18.9 28.3#





#92

Benzo(g,h,i)perylene

Concen: 13.850 ng

RT: 17.545 min Scan# 20

Delta R.T. 0.035 min

Lab File: BF140756.D

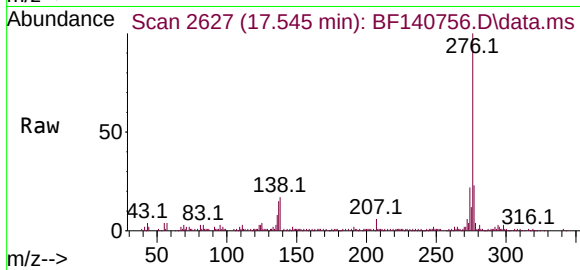
Acq: 05 Dec 2024 18:37

Instrument :

BNA_F

ClientSampleId :

CTWK-COMP-1



Tgt Ion:276 Resp: 92188

Ion Ratio Lower Upper

276 100

277 23.1 18.9 28.3

138 16.7 13.2 19.8

