

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082724\
 Data File : BF139195.D
 Acq On : 27 Aug 2024 19:26
 Operator : RC/JU
 Sample : P3735-13
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-16

Quant Time: Aug 28 00:49:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 27 02:51:47 2024
 Response via : Initial Calibration

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

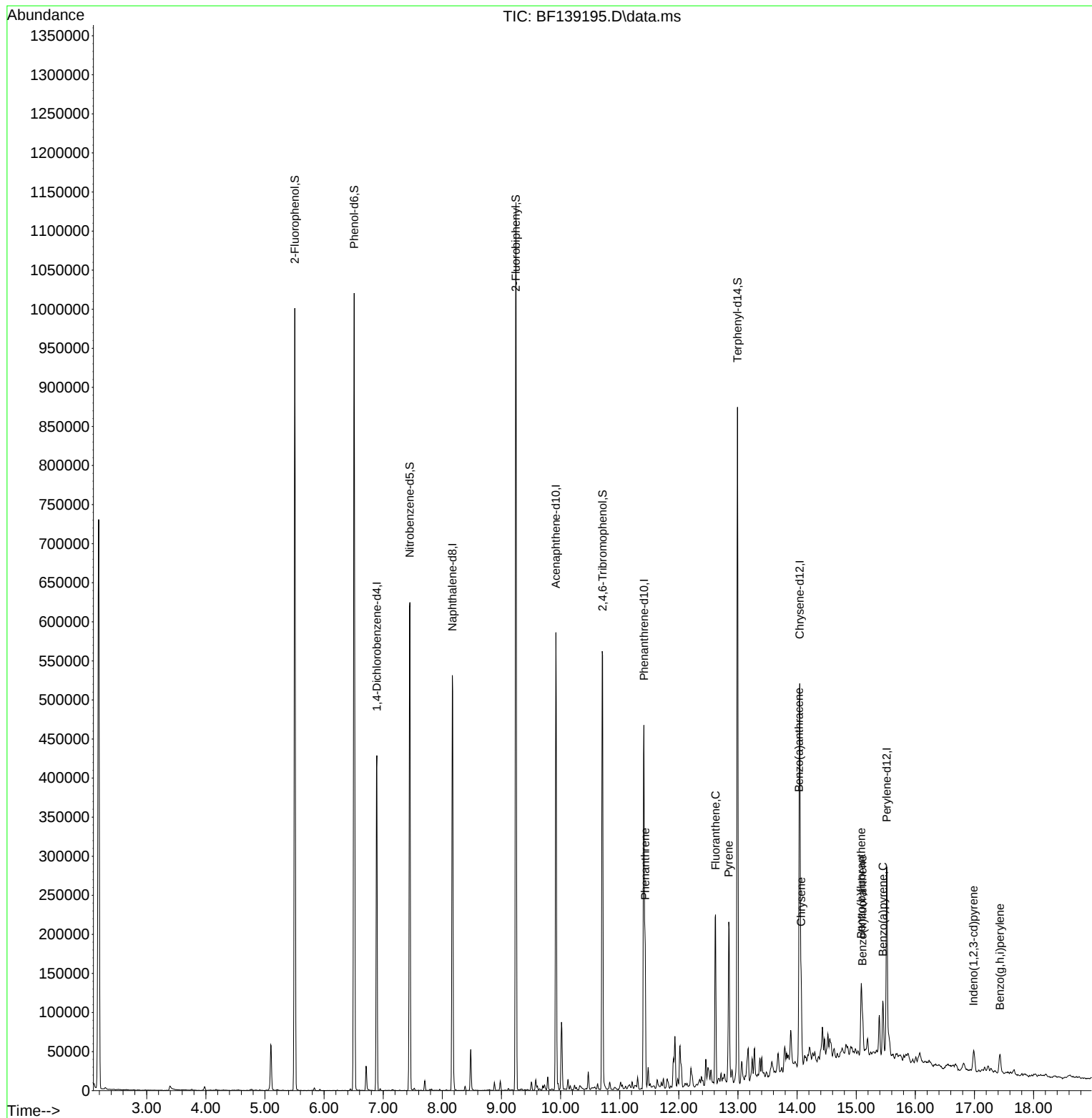
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	86699	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	306372	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	164667	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	236901	20.000	ng	0.00
76) Chrysene-d12	14.045	240	180550	20.000	ng	0.00
86) Perylene-d12	15.515	264	134580	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	331429	64.236	ng	0.00
7) Phenol-d6	6.510	99	443233	62.594	ng	-0.01
23) Nitrobenzene-d5	7.451	82	276361	49.973	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	83828	59.440	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	464539	43.821	ng	0.00
79) Terphenyl-d14	12.992	244	397154	34.322	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	97937	8.181	ng	99
75) Fluoranthene	12.621	202	122022	10.503	ng	99
78) Pyrene	12.845	202	116571	6.873	ng	99
81) Benzo(a)anthracene	14.033	228	70193	5.868	ng	93
83) Chrysene	14.068	228	59329	5.498	ng	98
87) Indeno(1,2,3-cd)pyrene	16.986	276	19309	2.098	ng	# 91
88) Benzo(b)fluoranthene	15.086	252	59032m	7.498	ng	
89) Benzo(k)fluoranthene	15.104	252	18612m	2.615	ng	
90) Benzo(a)pyrene	15.451	252	41403	6.196	ng	99
92) Benzo(g,h,i)perylene	17.433	276	22941	2.941	ng	99

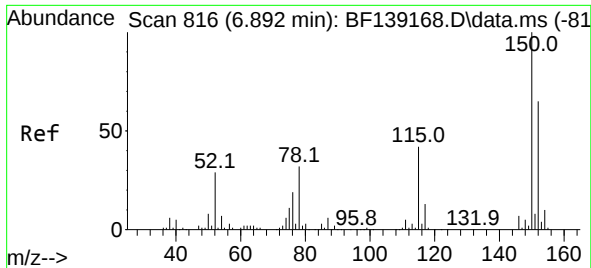
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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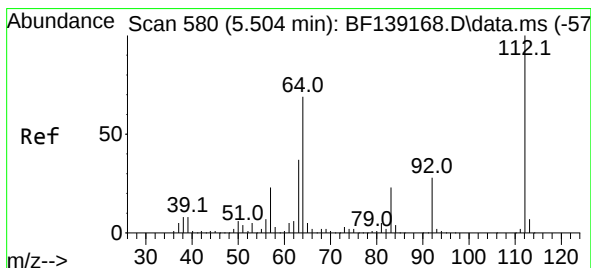
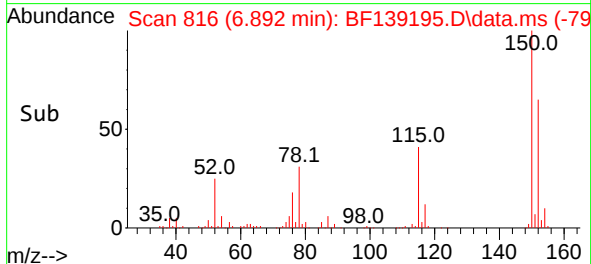
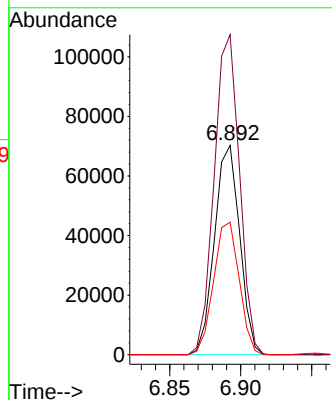
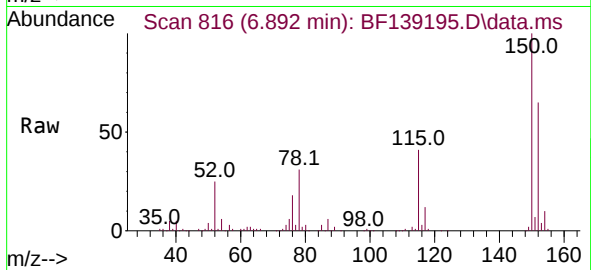




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139195.D
Acq: 27 Aug 2024 19:26

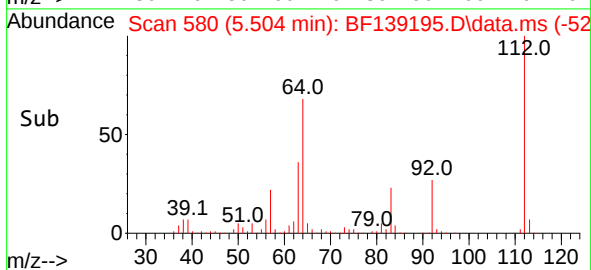
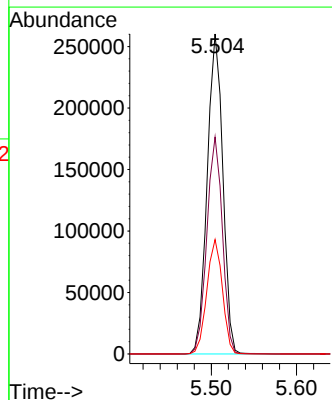
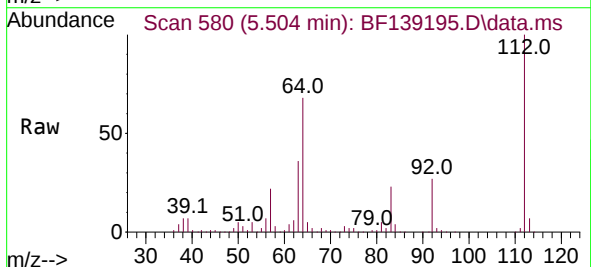
Instrument :
BNA_F
ClientSampleId :
WC-16

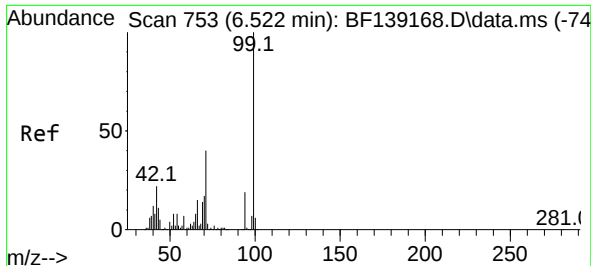
Tgt Ion:152 Resp: 86699
Ion Ratio Lower Upper
152 100
150 152.9 123.7 185.5
115 63.3 51.8 77.8



#5
2-Fluorophenol
Concen: 64.236 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.000 min
Lab File: BF139195.D
Acq: 27 Aug 2024 19:26

Tgt Ion:112 Resp: 331429
Ion Ratio Lower Upper
112 100
64 67.8 55.5 83.3
63 35.8 29.8 44.6

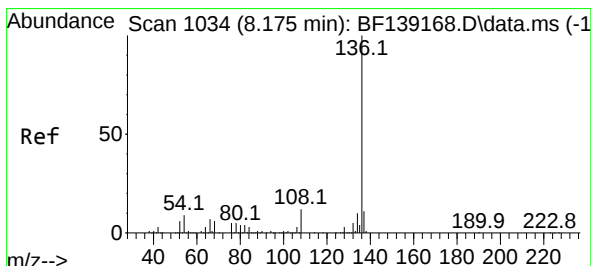
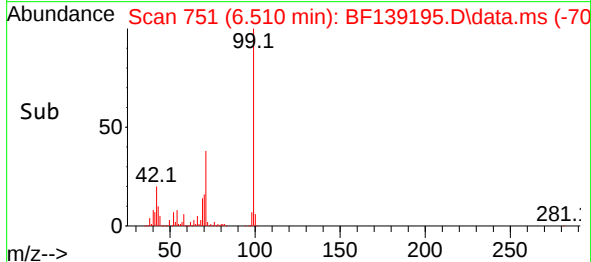
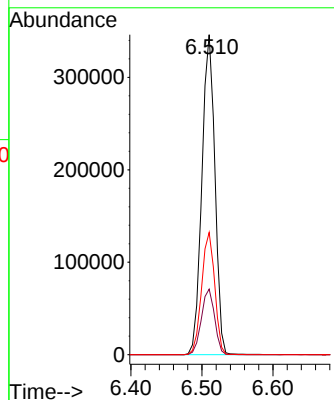
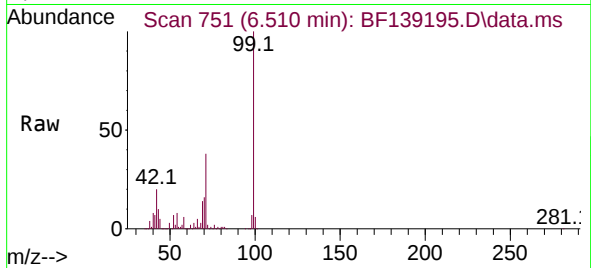




#7
Phenol-d6
Concen: 62.594 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF139195.D
Acq: 27 Aug 2024 19:26

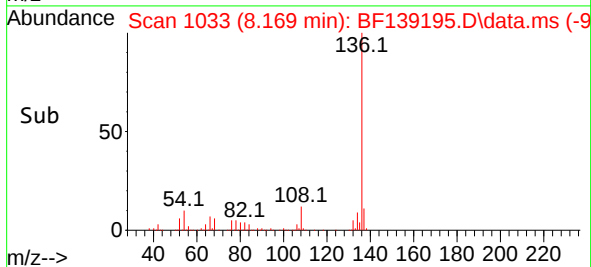
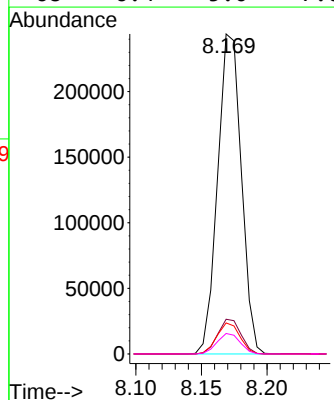
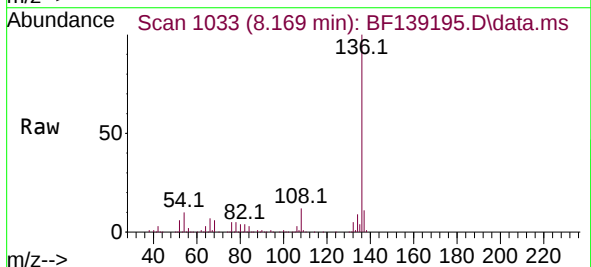
Instrument :
BNA_F
ClientSampleId :
WC-16

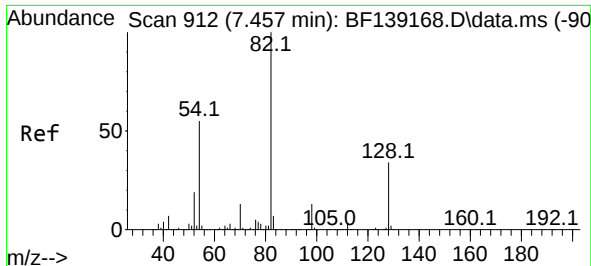
Tgt Ion: 99 Resp: 443233
Ion Ratio Lower Upper
99 100
42 20.5 17.9 26.9
71 38.2 31.7 47.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139195.D
Acq: 27 Aug 2024 19:26

Tgt Ion: 136 Resp: 306372
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 9.7 7.6 11.4
68 6.4 5.0 7.6





#23

Nitrobenzene-d5

Concen: 49.973 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF139195.D

Acq: 27 Aug 2024 19:26

Instrument :

BNA_F

ClientSampleId :

WC-16

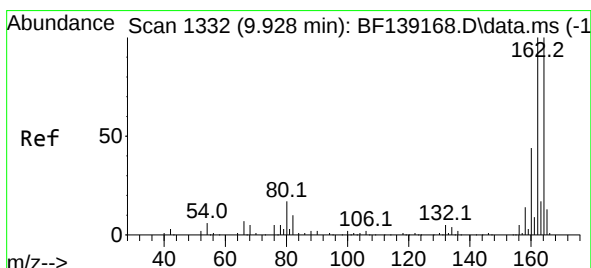
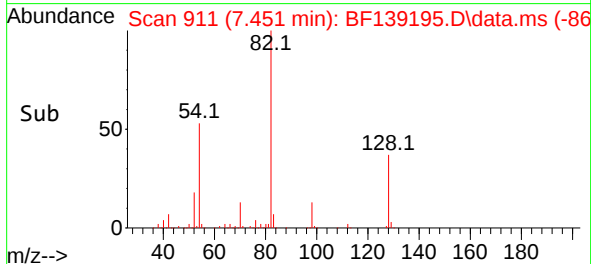
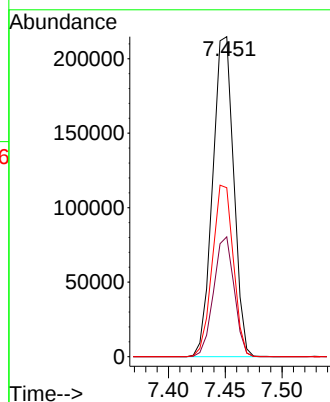
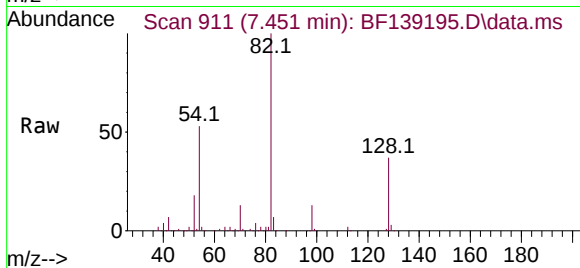
Tgt Ion: 82 Resp: 276361

Ion Ratio Lower Upper

82 100

128 37.5 27.1 40.7

54 52.8 44.2 66.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.006 min

Lab File: BF139195.D

Acq: 27 Aug 2024 19:26

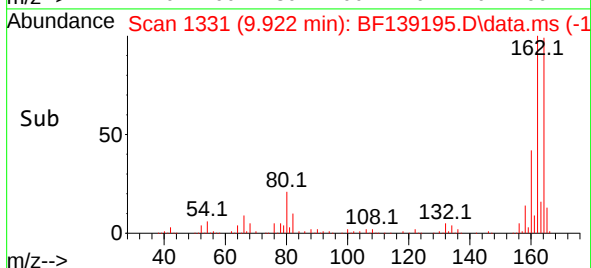
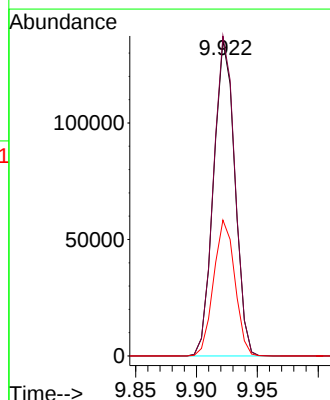
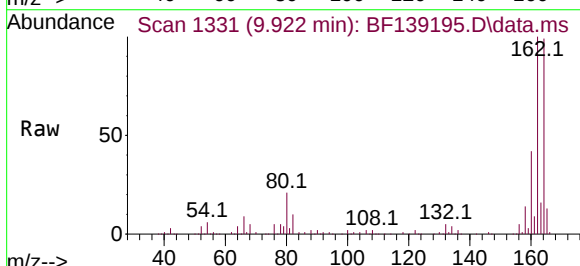
Tgt Ion:164 Resp: 164667

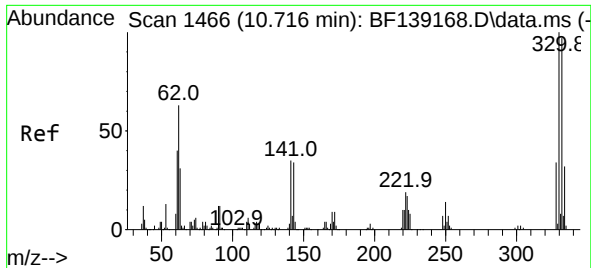
Ion Ratio Lower Upper

164 100

162 101.4 80.0 120.0

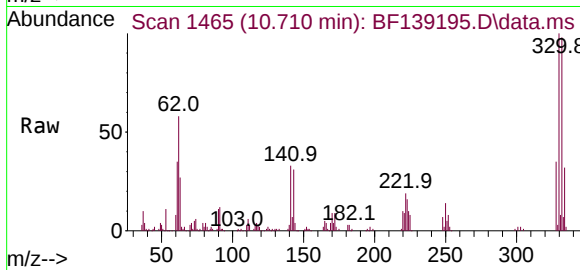
160 43.0 35.0 52.6



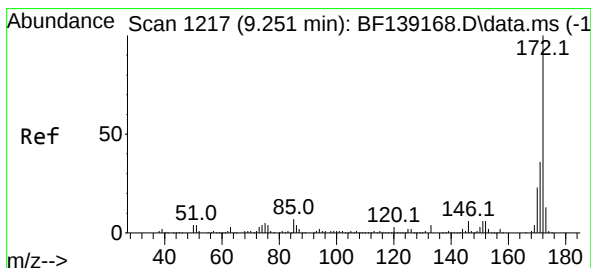
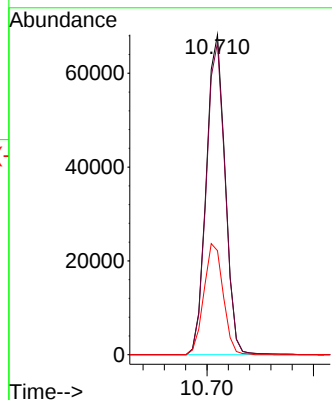
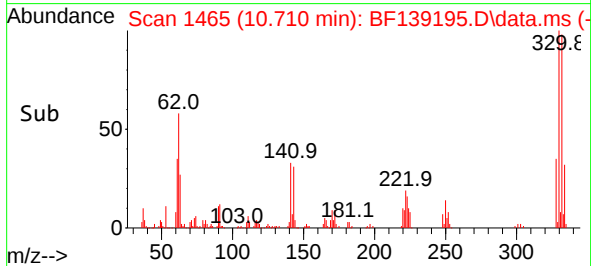


#42
2,4,6-Tribromophenol
Concen: 59.440 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139195.D
Acq: 27 Aug 2024 19:26

Instrument :
BNA_F
ClientSampleId :
WC-16

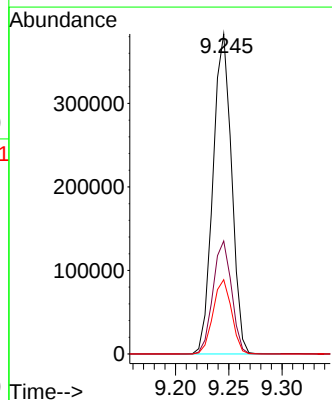
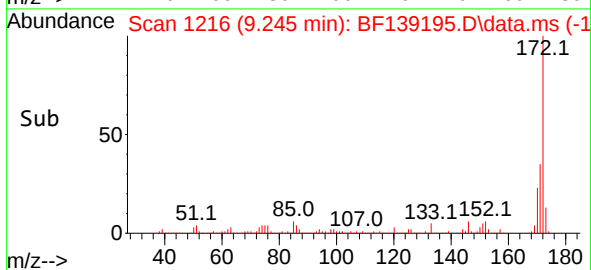
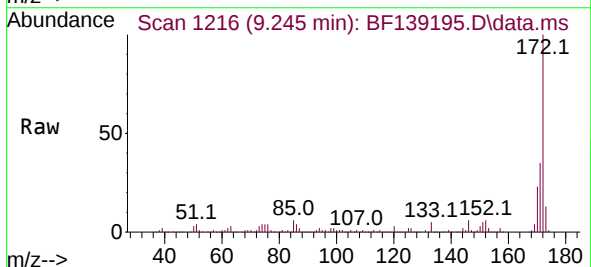


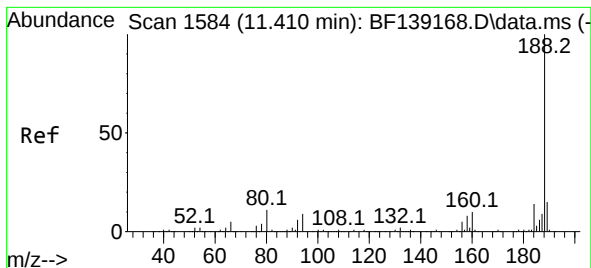
Tgt Ion:330 Resp: 83828
Ion Ratio Lower Upper
330 100
332 97.8 77.3 115.9
141 35.5 28.8 43.2



#45
2-Fluorobiphenyl
Concen: 43.821 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139195.D
Acq: 27 Aug 2024 19:26

Tgt Ion:172 Resp: 464539
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.2 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139195.D

Acq: 27 Aug 2024 19:26

Instrument :

BNA_F

ClientSampleId :

WC-16

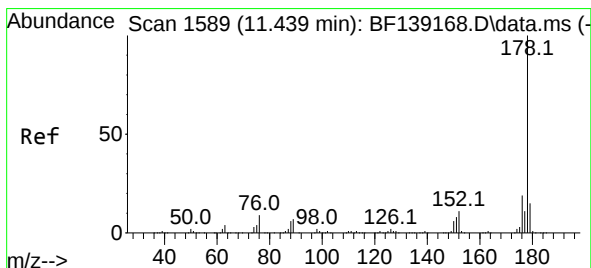
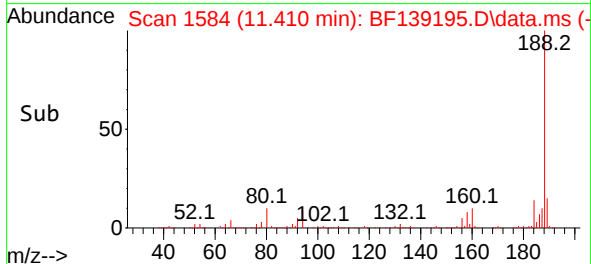
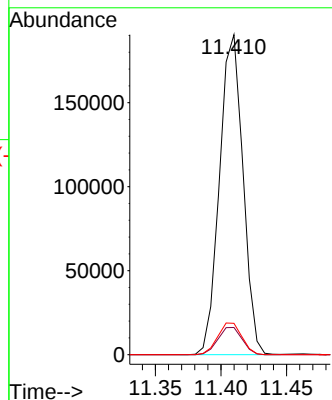
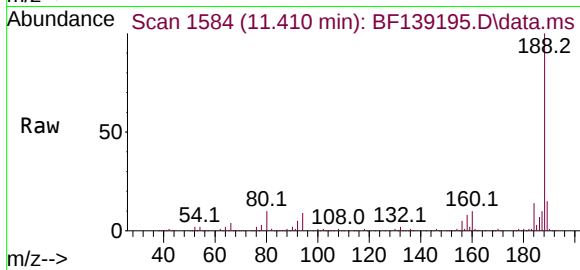
Tgt Ion:188 Resp: 236901

Ion Ratio Lower Upper

188 100

94 8.5 7.4 11.2

80 9.8 8.9 13.3



#71

Phenanthrene

Concen: 8.181 ng

RT: 11.433 min Scan# 1588

Delta R.T. -0.006 min

Lab File: BF139195.D

Acq: 27 Aug 2024 19:26

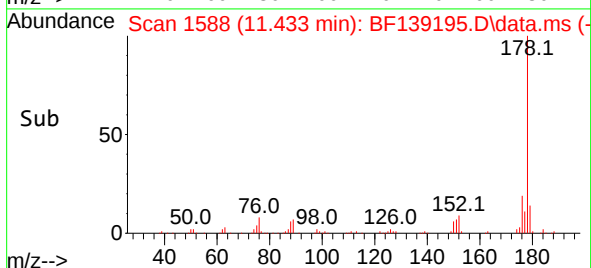
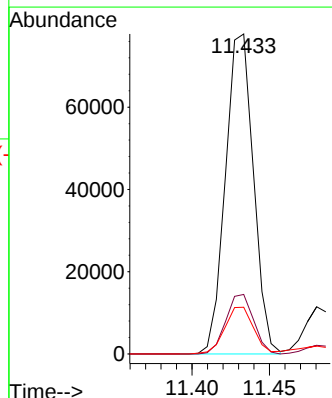
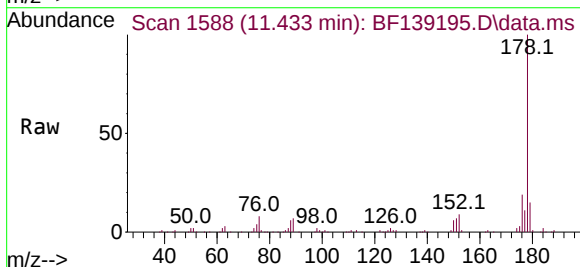
Tgt Ion:178 Resp: 97937

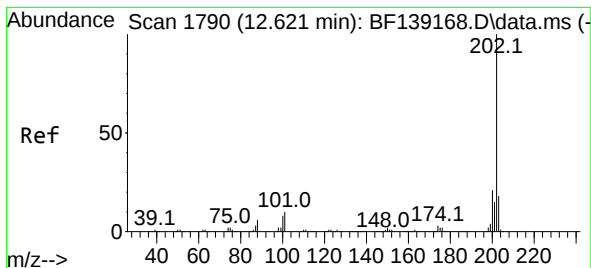
Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.0

179 14.6 12.2 18.4





#75

Fluoranthene

Concen: 10.503 ng

RT: 12.621 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139195.D

Acq: 27 Aug 2024 19:26

Instrument :

BNA_F

ClientSampleId :

WC-16

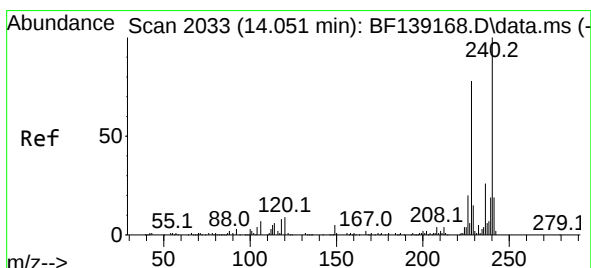
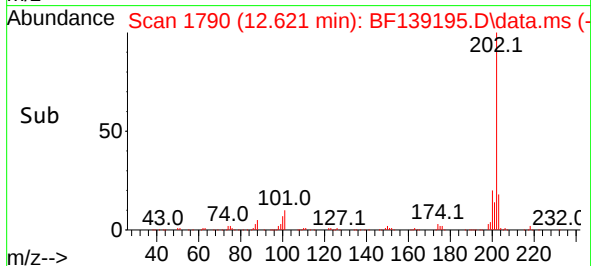
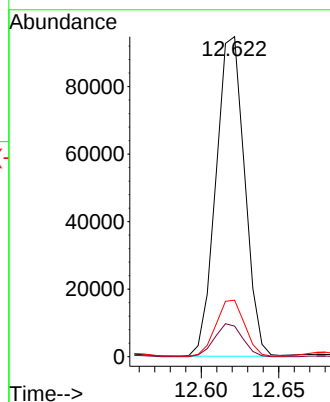
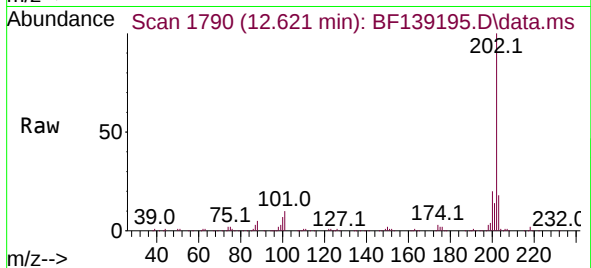
Tgt Ion:202 Resp: 122022

Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.1

203 17.7 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF139195.D

Acq: 27 Aug 2024 19:26

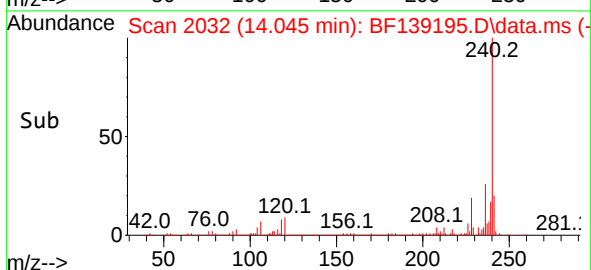
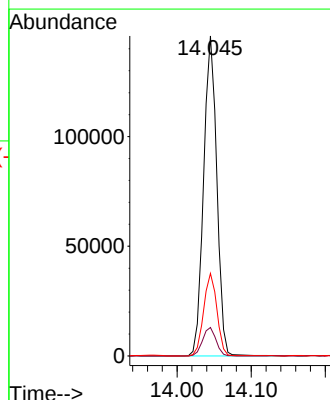
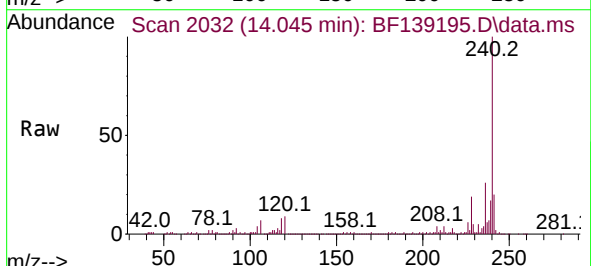
Tgt Ion:240 Resp: 180550

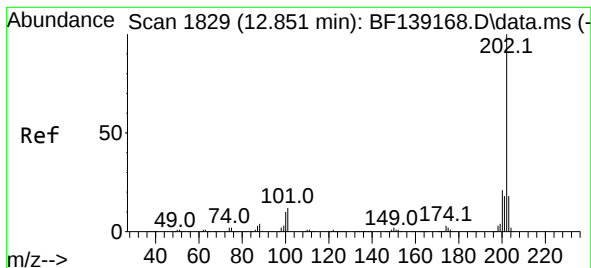
Ion Ratio Lower Upper

240 100

120 8.9 6.9 10.3

236 25.8 20.9 31.3





#78

Pyrene

Concen: 6.873 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF139195.D

Acq: 27 Aug 2024 19:26

Instrument :

BNA_F

ClientSampleId :

WC-16

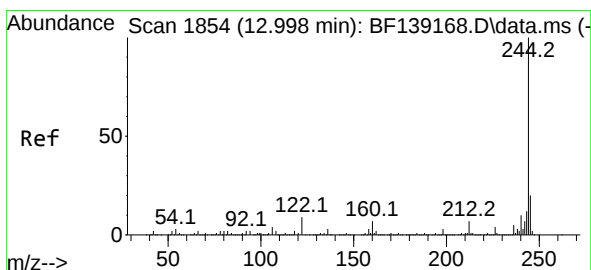
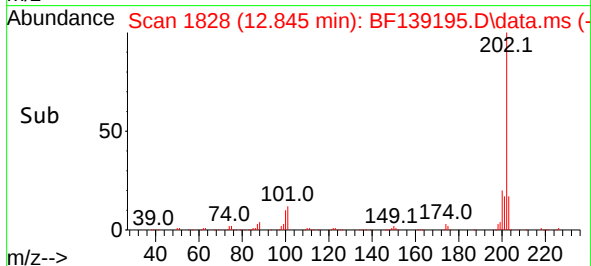
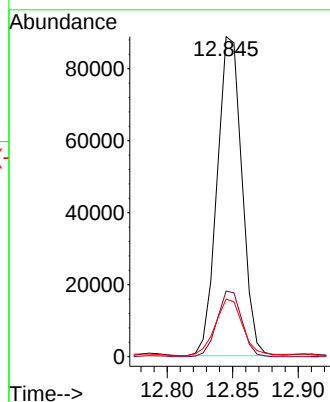
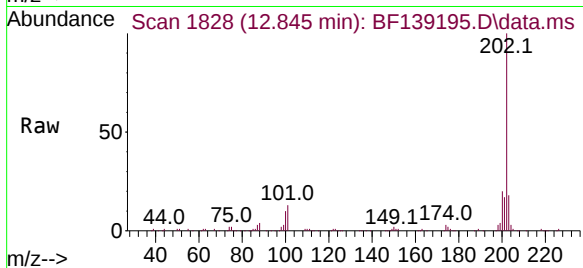
Tgt Ion:202 Resp: 116571

Ion Ratio Lower Upper

202 100

200 20.5 16.7 25.1

203 18.0 14.1 21.1



#79

Terphenyl-d14

Concen: 34.322 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF139195.D

Acq: 27 Aug 2024 19:26

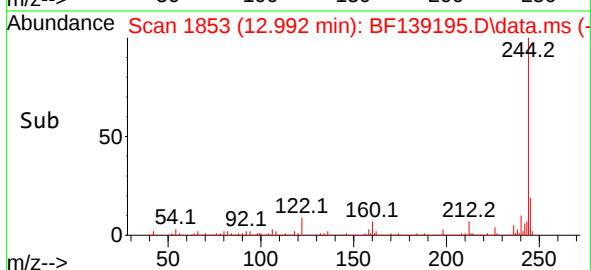
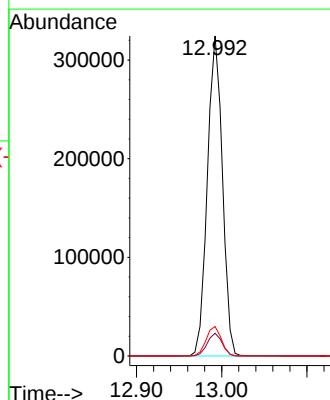
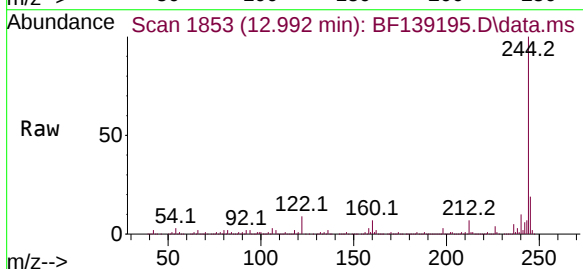
Tgt Ion:244 Resp: 397154

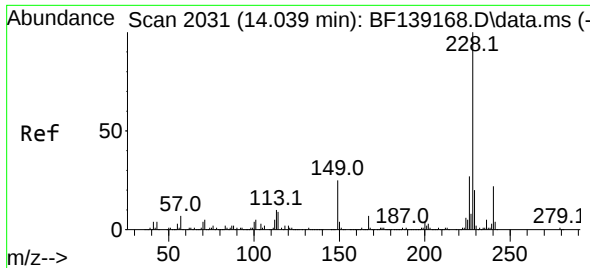
Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 9.2 7.6 11.4

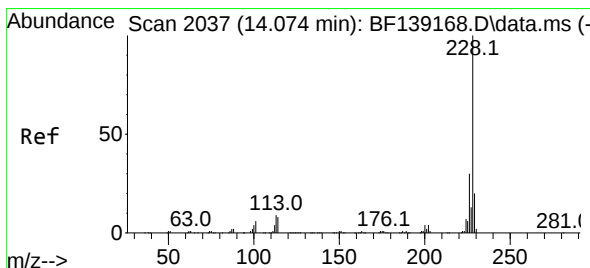
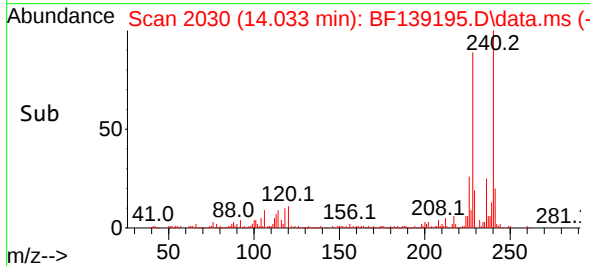
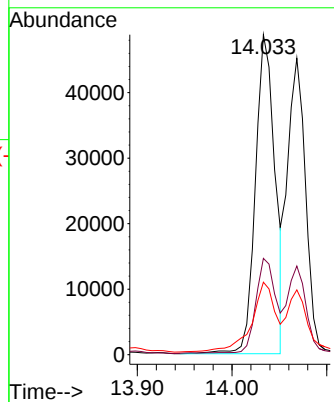
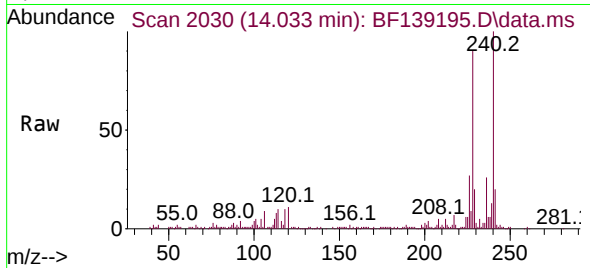




#81
Benzo(a)anthracene
Concen: 5.868 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF139195.D
Acq: 27 Aug 2024 19:26

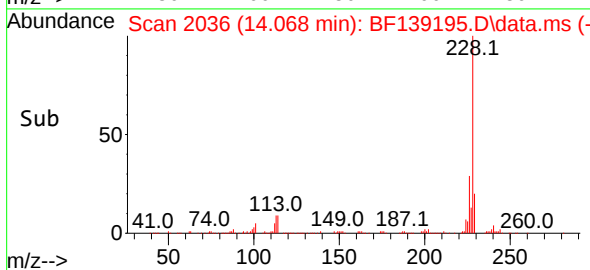
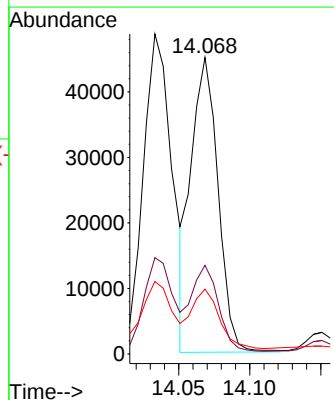
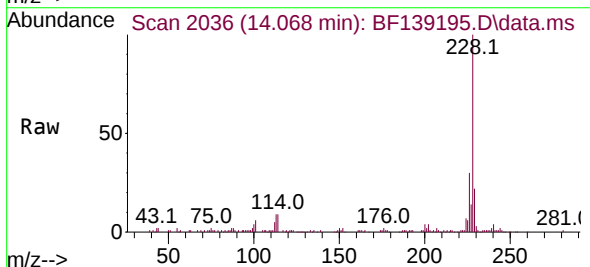
Instrument :
BNA_F
ClientSampleId :
WC-16

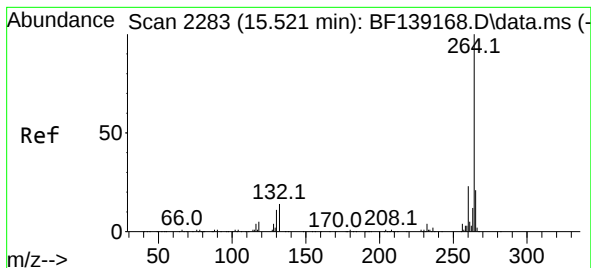
Tgt Ion:228 Resp: 70193
Ion Ratio Lower Upper
228 100
226 30.1 21.4 32.2
229 22.7 15.7 23.5



#83
Chrysene
Concen: 5.498 ng
RT: 14.068 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF139195.D
Acq: 27 Aug 2024 19:26

Tgt Ion:228 Resp: 59329
Ion Ratio Lower Upper
228 100
226 29.9 23.8 35.6
229 21.9 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139195.D

Acq: 27 Aug 2024 19:26

Instrument :

BNA_F

ClientSampleId :

WC-16

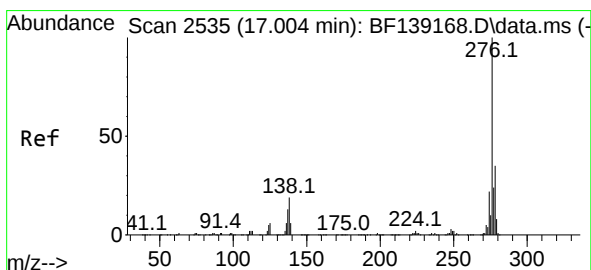
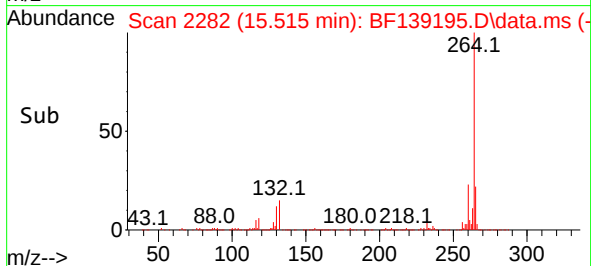
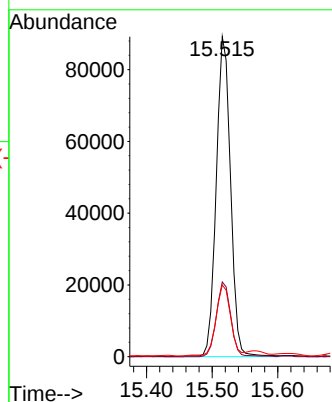
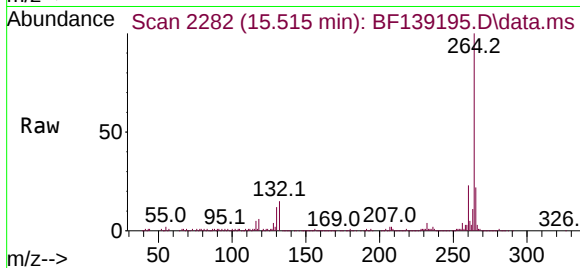
Tgt Ion:264 Resp: 134580

Ion Ratio Lower Upper

264 100

260 23.4 18.3 27.5

265 22.4 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.098 ng

RT: 16.986 min Scan# 2532

Delta R.T. -0.018 min

Lab File: BF139195.D

Acq: 27 Aug 2024 19:26

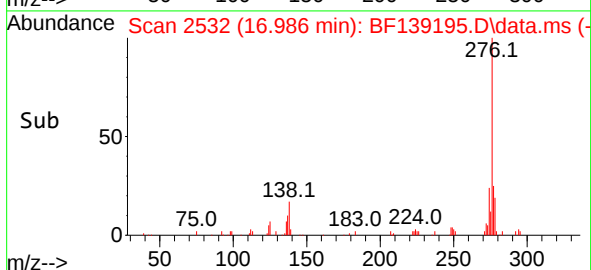
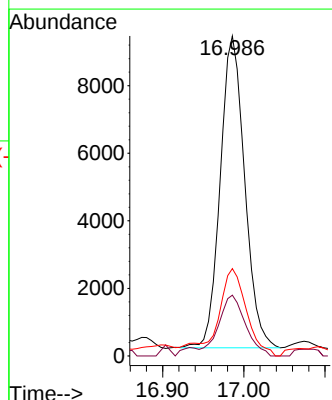
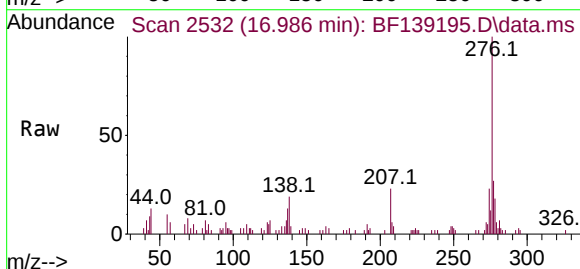
Tgt Ion:276 Resp: 19309

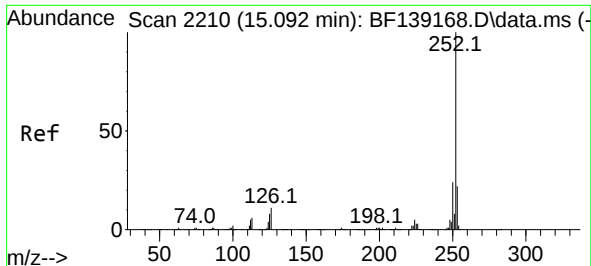
Ion Ratio Lower Upper

276 100

138 21.3 17.4 26.2

277 33.7 20.3 30.5#

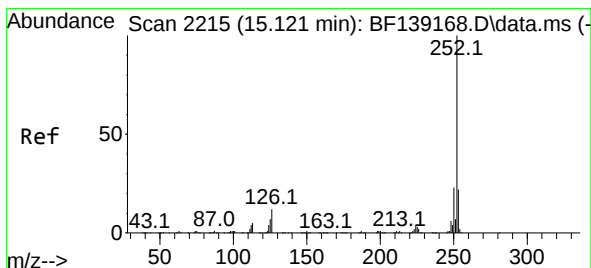
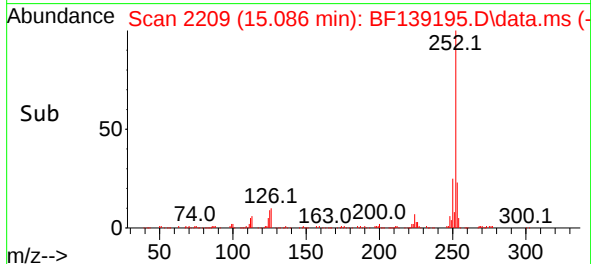
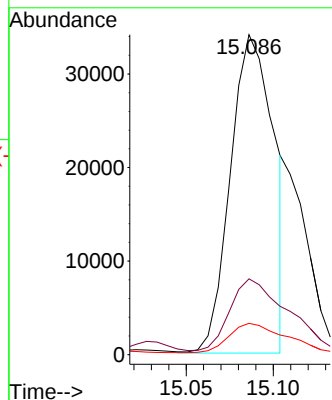
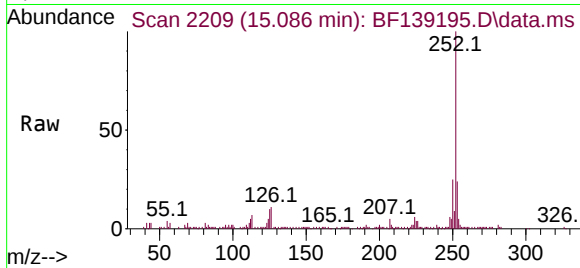




#88
Benzo(b)fluoranthene
Concen: 7.498 ng m
RT: 15.086 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BF139195.D
Acq: 27 Aug 2024 19:26

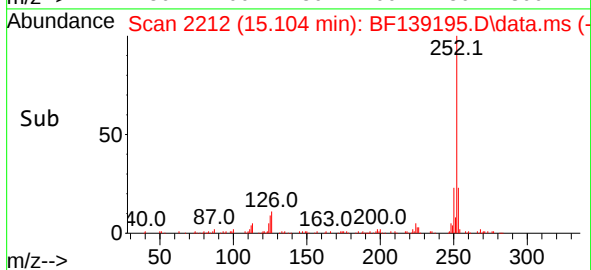
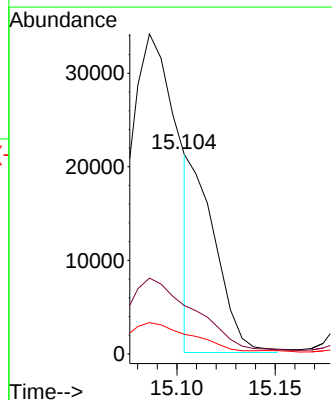
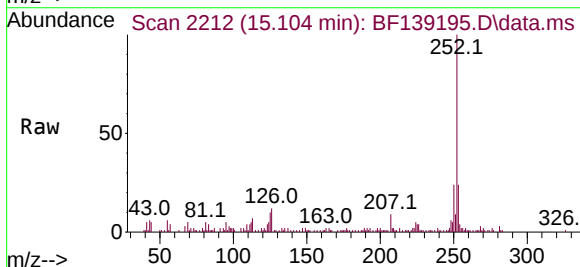
Instrument :
BNA_F
ClientSampleId :
WC-16

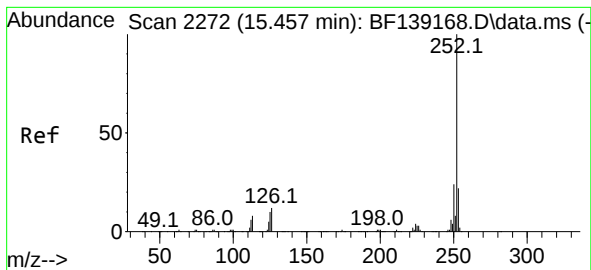
Tgt Ion:252 Resp: 59032
Ion Ratio Lower Upper
252 100
253 23.7 18.0 27.0
125 9.8 6.7 10.1



#89
Benzo(k)fluoranthene
Concen: 2.615 ng m
RT: 15.104 min Scan# 2212
Delta R.T. -0.018 min
Lab File: BF139195.D
Acq: 27 Aug 2024 19:26

Tgt Ion:252 Resp: 18612
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.6
125 9.8 6.5 9.7#





#90

Benzo(a)pyrene

Concen: 6.196 ng

RT: 15.451 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139195.D

Acq: 27 Aug 2024 19:26

Instrument :

BNA_F

ClientSampleId :

WC-16

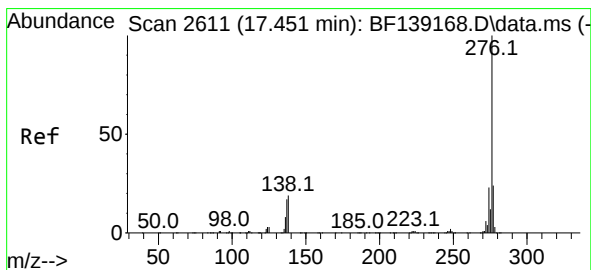
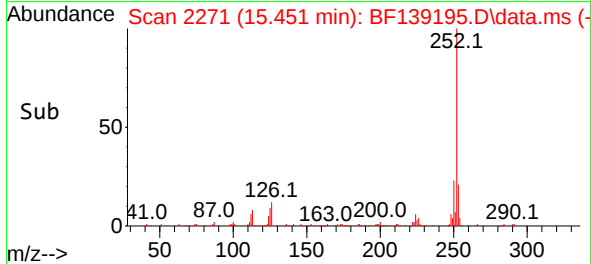
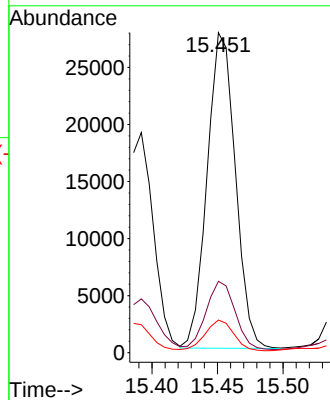
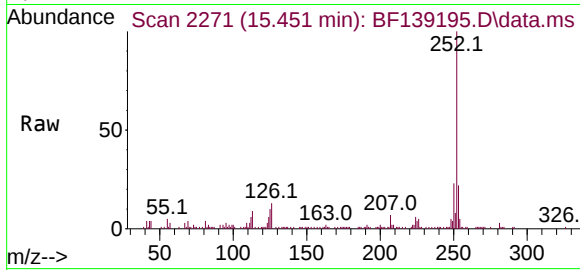
Tgt Ion:252 Resp: 41403

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 10.2 7.8 11.6



#92

Benzo(g,h,i)perylene

Concen: 2.941 ng

RT: 17.433 min Scan# 2608

Delta R.T. -0.018 min

Lab File: BF139195.D

Acq: 27 Aug 2024 19:26

Tgt Ion:276 Resp: 22941

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.6

138 17.4 15.0 22.6

