

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082724\
 Data File : BF139193.D
 Acq On : 27 Aug 2024 18:23
 Operator : RC/JU
 Sample : P3739-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Aug 28 00:48:57 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)

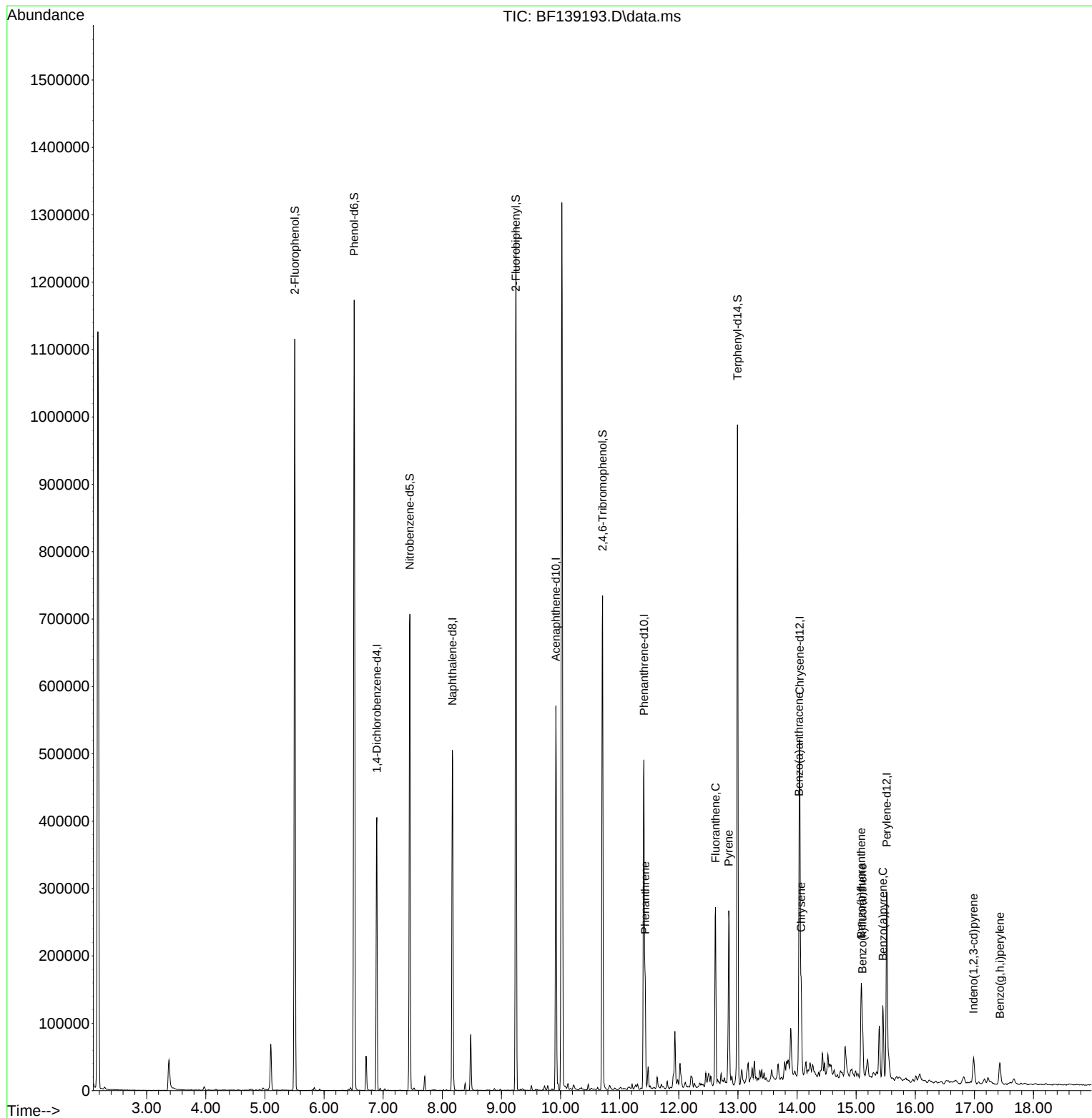
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	79119	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	295611	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	159548	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	250371	20.000	ng	0.00
76) Chrysene-d12	14.045	240	183130	20.000	ng	0.00
86) Perylene-d12	15.516	264	159035	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	370786	78.749	ng	0.00
7) Phenol-d6	6.510	99	511227	79.114	ng	-0.01
23) Nitrobenzene-d5	7.451	82	313721	58.794	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	110616	80.951	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	522632	50.883	ng	0.00
79) Terphenyl-d14	12.992	244	452421	38.548	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	82834	6.547	ng	98
75) Fluoranthene	12.622	202	147481	12.012	ng	99
78) Pyrene	12.845	202	146448	8.513	ng	99
81) Benzo(a)anthracene	14.033	228	88261	7.274	ng	96
83) Chrysene	14.069	228	72429	6.617	ng	97
87) Indeno(1,2,3-cd)pyrene	16.986	276	30542	2.809	ng	96
88) Benzo(b)fluoranthene	15.086	252	93183m	10.016	ng	
89) Benzo(k)fluoranthene	15.104	252	29312m	3.485	ng	
90) Benzo(a)pyrene	15.451	252	63115	7.993	ng	97
92) Benzo(g,h,i)perylene	17.433	276	29225	3.170	ng	97

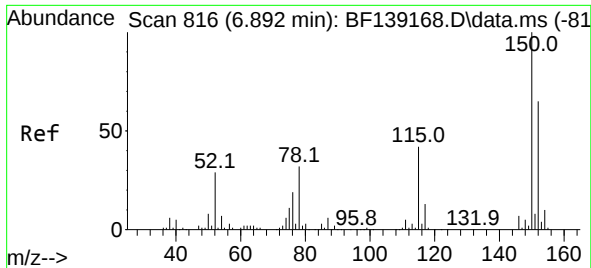
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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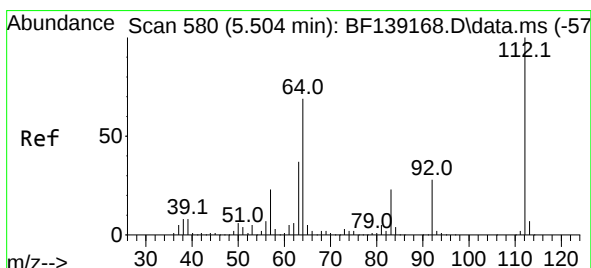
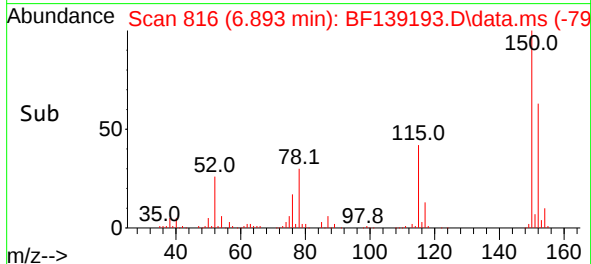
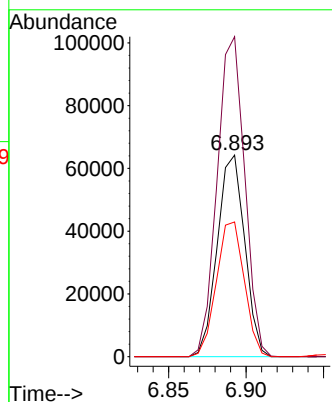
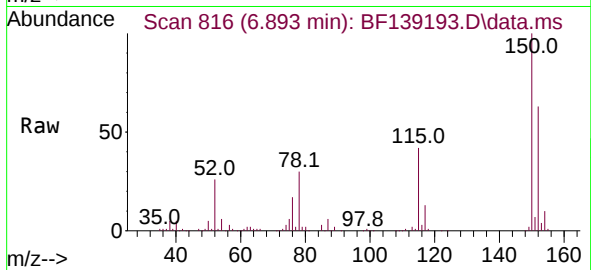




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.001 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23

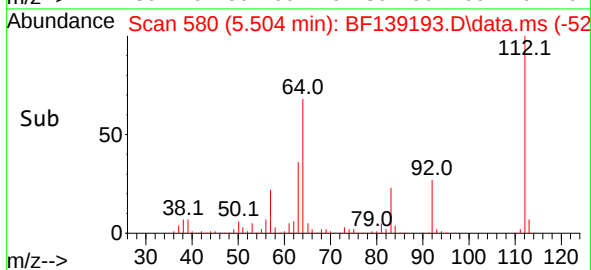
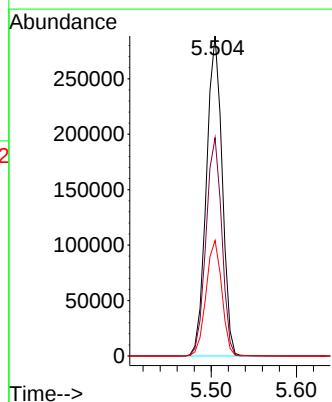
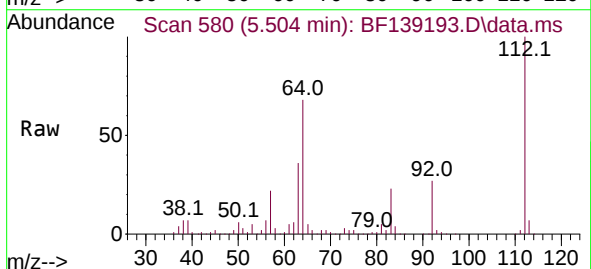
Instrument :
BNA_F
ClientSampleId :
WC-1

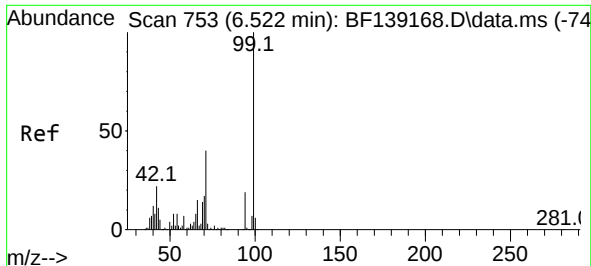
Tgt Ion:152 Resp: 79119
Ion Ratio Lower Upper
152 100
150 158.7 123.7 185.5
115 66.8 51.8 77.8



#5
2-Fluorophenol
Concen: 78.749 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.000 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23

Tgt Ion:112 Resp: 370786
Ion Ratio Lower Upper
112 100
64 68.2 55.5 83.3
63 36.1 29.8 44.6





#7
Phenol-d6
Concen: 79.114 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23

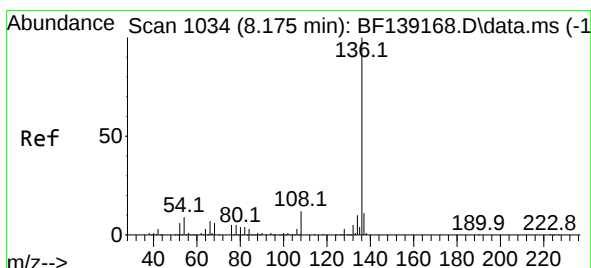
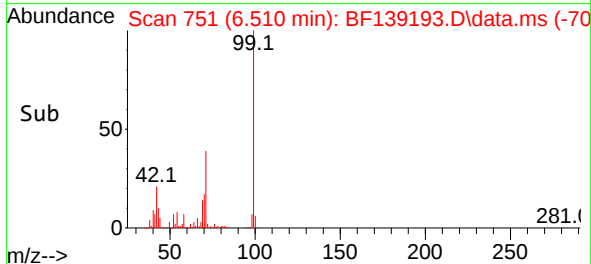
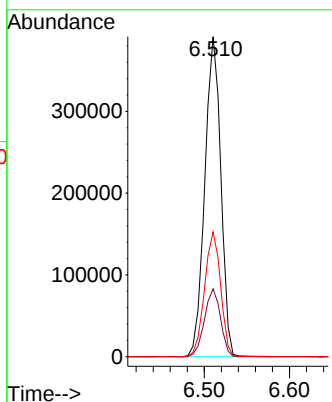
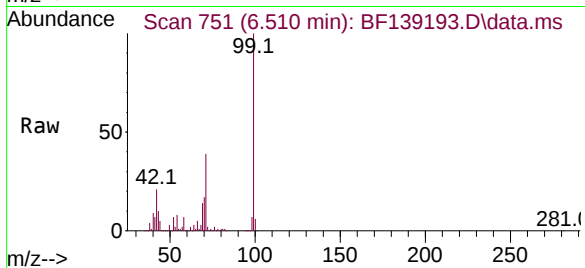
Instrument :

BNA_F

ClientSampleId :

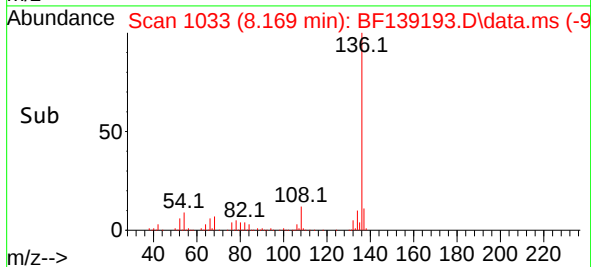
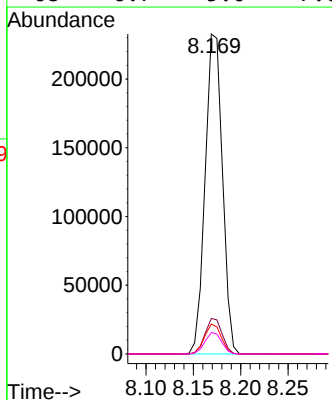
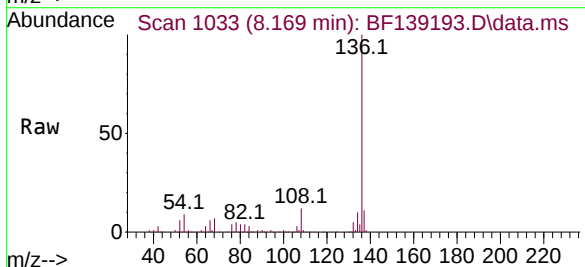
WC-1

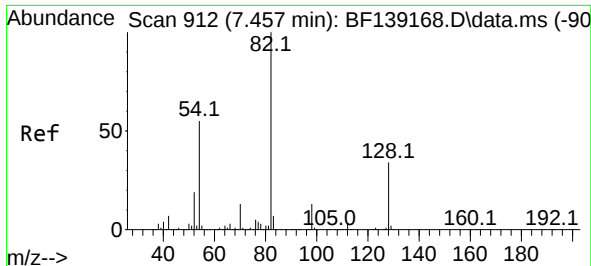
Tgt Ion: 99 Resp: 511227
Ion Ratio Lower Upper
99 100
42 21.2 17.9 26.9
71 39.0 31.7 47.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23

Tgt Ion: 136 Resp: 295611
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 9.4 7.6 11.4
68 6.7 5.0 7.6





#23

Nitrobenzene-d5

Concen: 58.794 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF139193.D

Acq: 27 Aug 2024 18:23

Instrument :

BNA_F

ClientSampleId :

WC-1

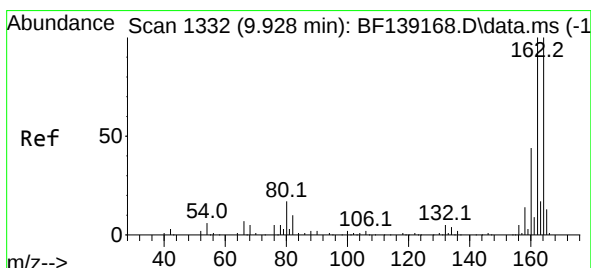
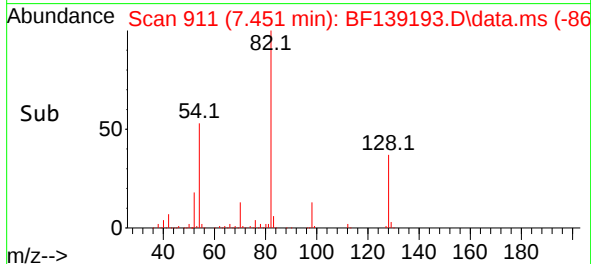
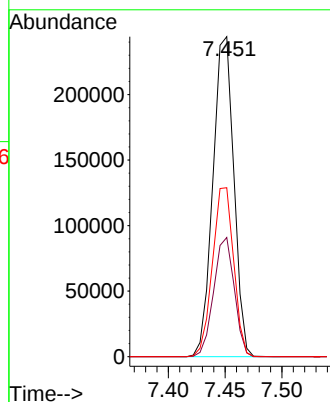
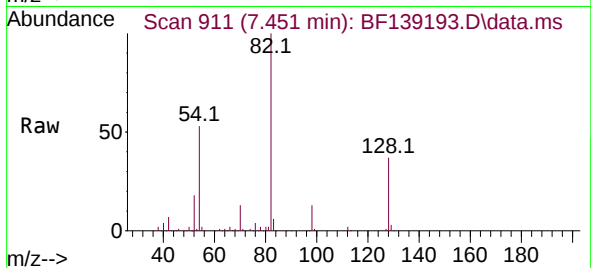
Tgt Ion: 82 Resp: 313721

Ion Ratio Lower Upper

82 100

128 37.3 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: BF139193.D

Acq: 27 Aug 2024 18:23

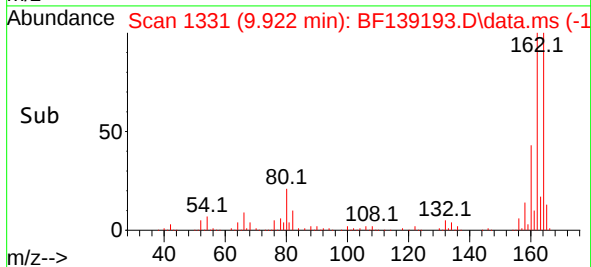
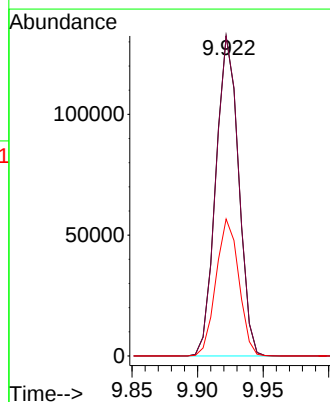
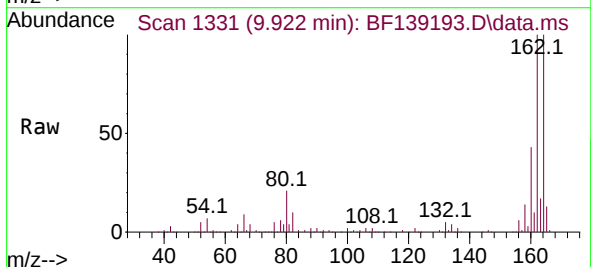
Tgt Ion:164 Resp: 159548

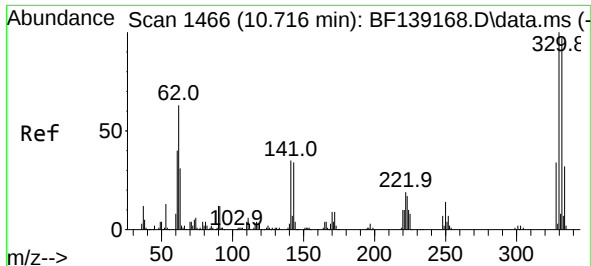
Ion Ratio Lower Upper

164 100

162 99.9 80.0 120.0

160 42.8 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 80.951 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF139193.D

Acq: 27 Aug 2024 18:23

Instrument :

BNA_F

ClientSampleId :

WC-1

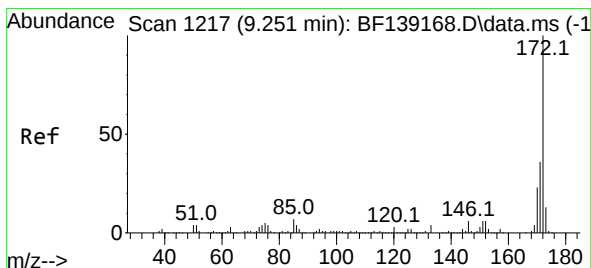
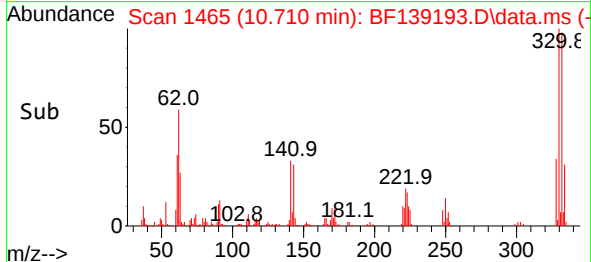
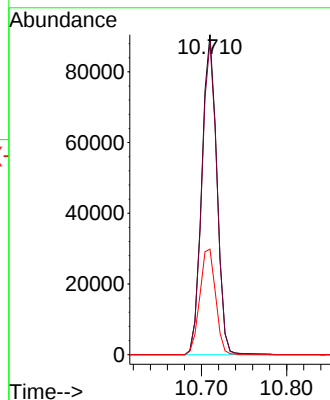
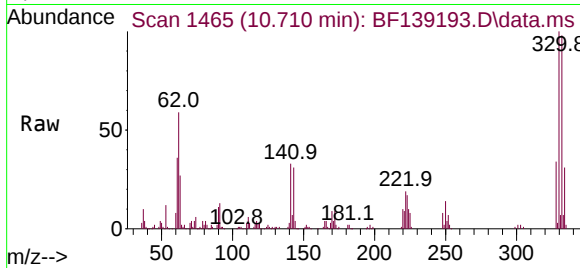
Tgt Ion:330 Resp: 110616

Ion Ratio Lower Upper

330 100

332 97.9 77.3 115.9

141 34.7 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 50.883 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139193.D

Acq: 27 Aug 2024 18:23

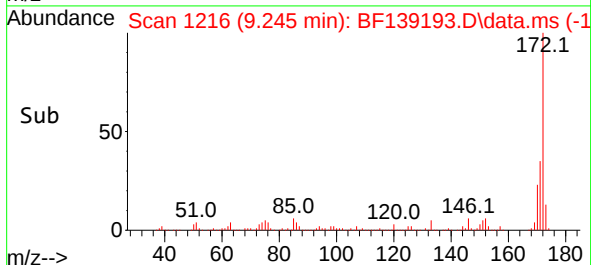
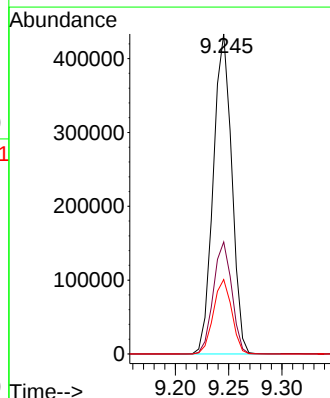
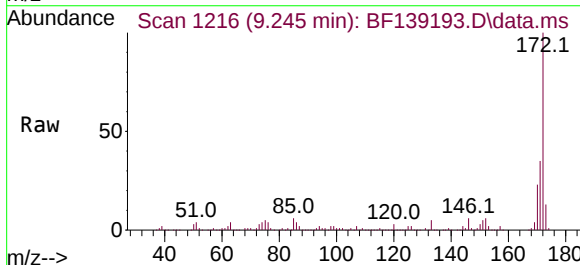
Tgt Ion:172 Resp: 522632

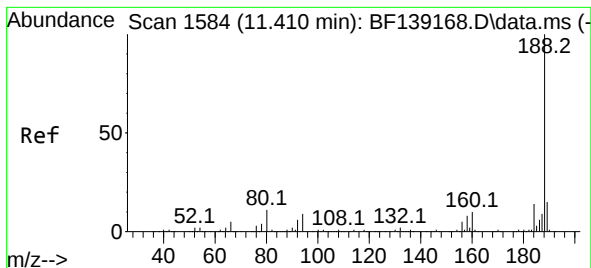
Ion Ratio Lower Upper

172 100

171 35.0 28.6 42.8

170 23.3 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139193.D

Acq: 27 Aug 2024 18:23

Instrument :

BNA_F

ClientSampleId :

WC-1

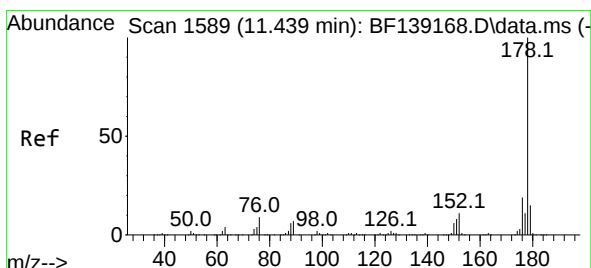
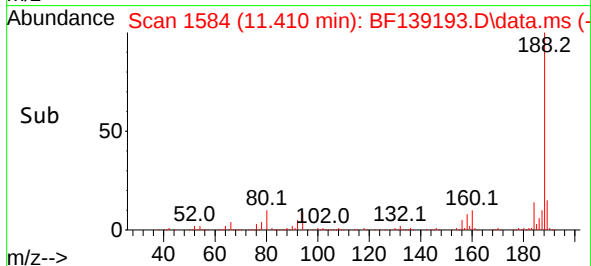
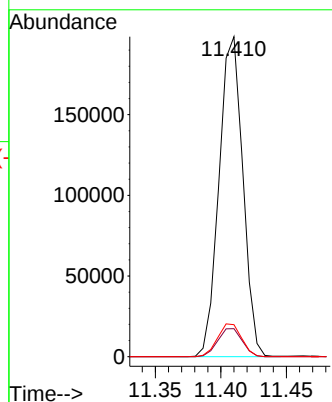
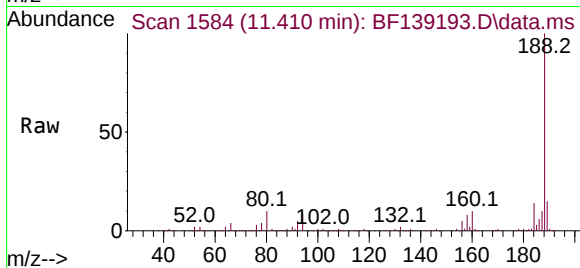
Tgt Ion:188 Resp: 250371

Ion Ratio Lower Upper

188 100

94 8.7 7.4 11.2

80 10.0 8.9 13.3



#71

Phenanthrene

Concen: 6.547 ng

RT: 11.433 min Scan# 1588

Delta R.T. -0.006 min

Lab File: BF139193.D

Acq: 27 Aug 2024 18:23

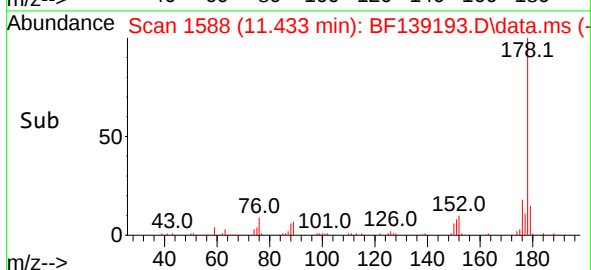
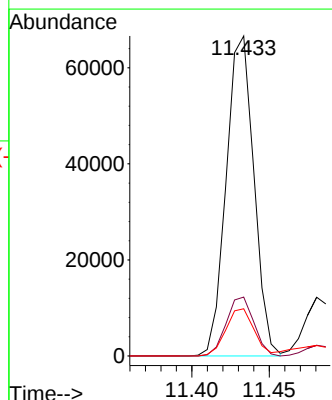
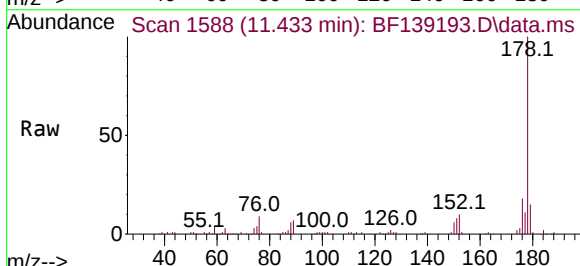
Tgt Ion:178 Resp: 82834

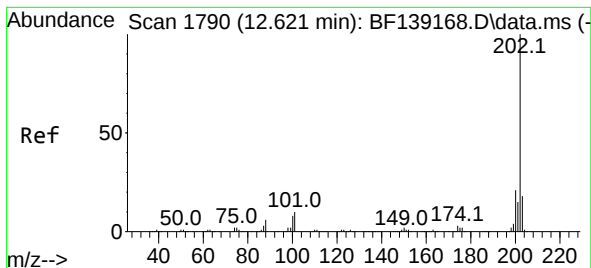
Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.0

179 14.7 12.2 18.4





#75

Fluoranthene

Concen: 12.012 ng

RT: 12.622 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139193.D

Acq: 27 Aug 2024 18:23

Instrument :

BNA_F

ClientSampleId :

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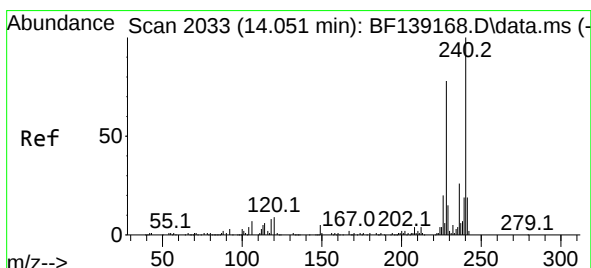
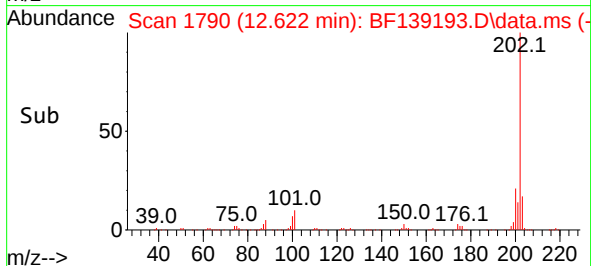
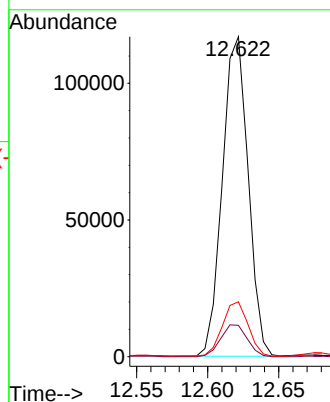
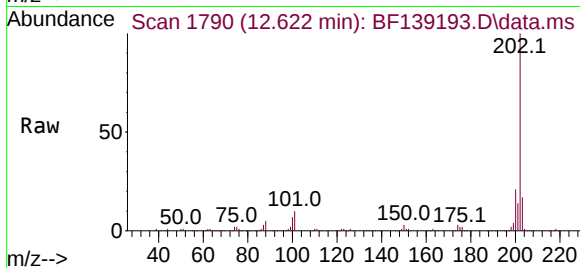
Tgt Ion:202 Resp: 147481

Ion Ratio Lower Upper

202 100

101 9.8 0.0 30.1

203 17.2 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: BF139193.D

Acq: 27 Aug 2024 18:23

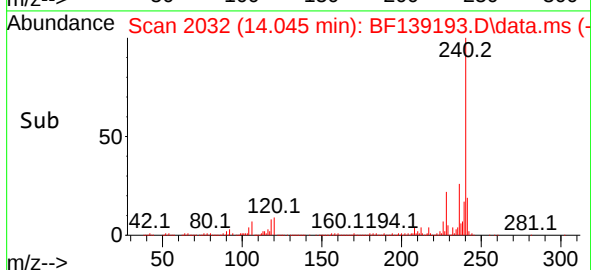
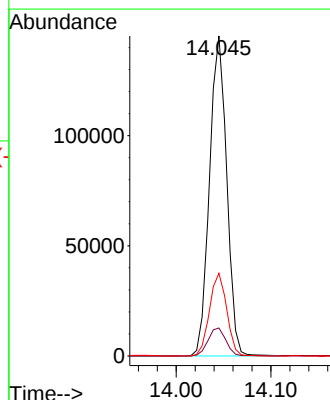
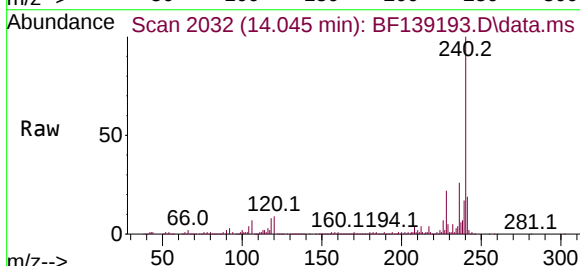
Tgt Ion:240 Resp: 183130

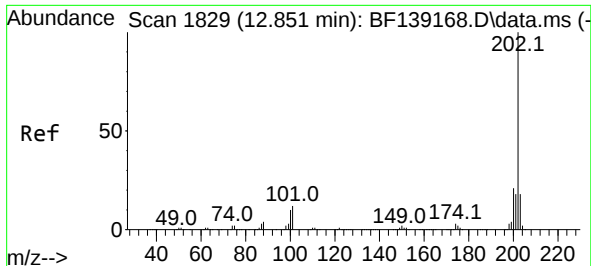
Ion Ratio Lower Upper

240 100

120 8.8 6.9 10.3

236 25.8 20.9 31.3

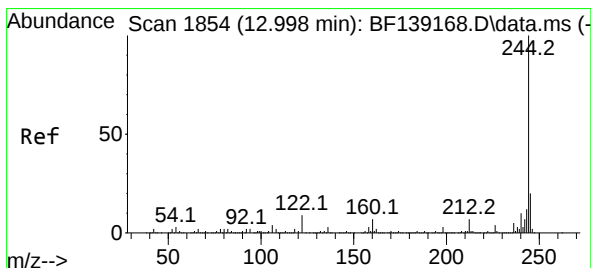
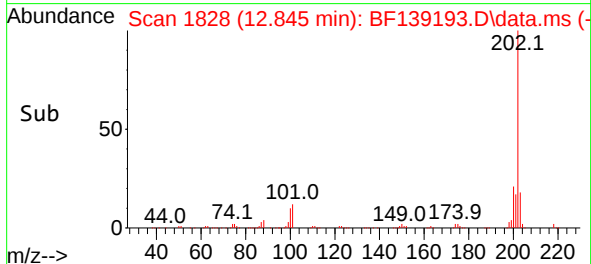
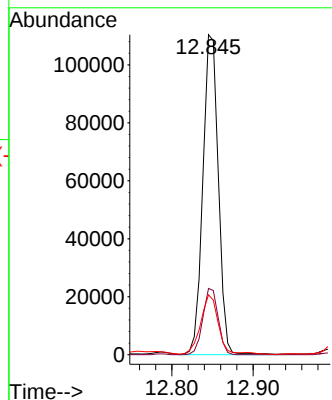
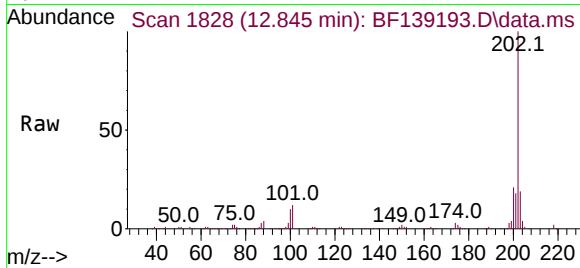




#78
Pyrene
Concen: 8.513 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23

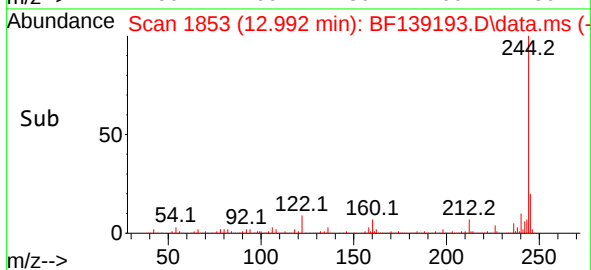
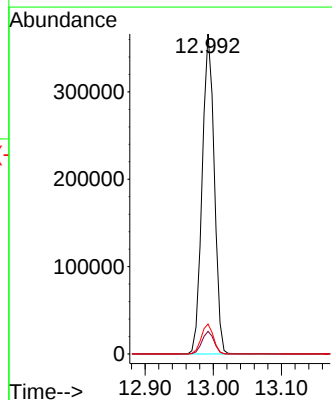
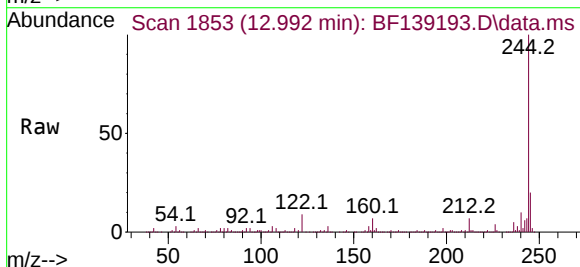
Instrument :
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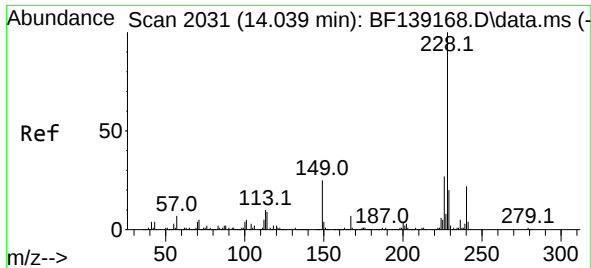
Tgt Ion:202 Resp: 146448
Ion Ratio Lower Upper
202 100
200 20.7 16.7 25.1
203 18.7 14.1 21.1



#79
Terphenyl-d14
Concen: 38.548 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23

Tgt Ion:244 Resp: 452421
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.6
122 9.4 7.6 11.4

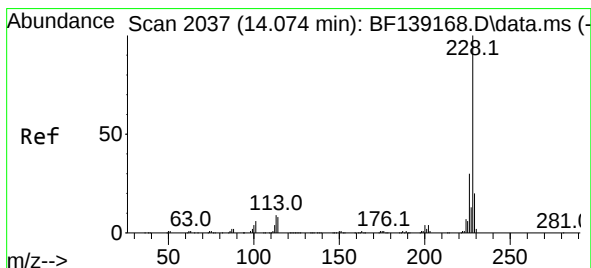
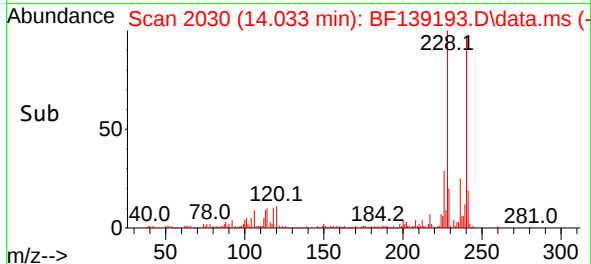
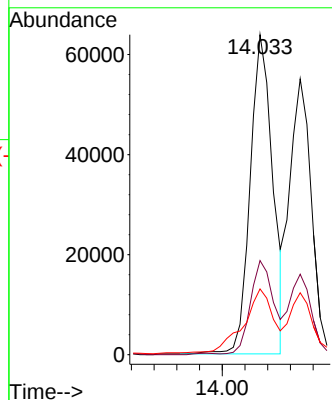
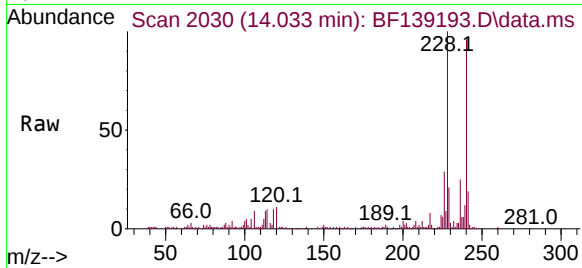




#81
Benzo(a)anthracene
Concen: 7.274 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23

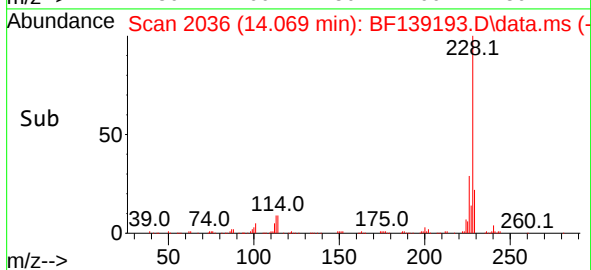
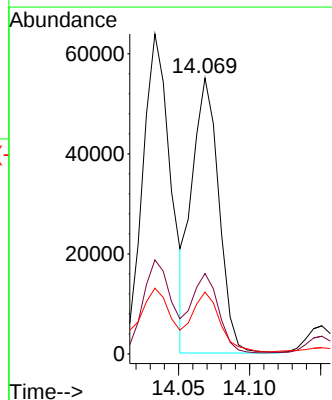
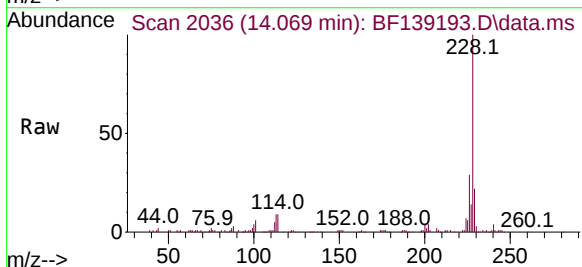
Instrument :
BNA_F
ClientSampleId :
WC-1

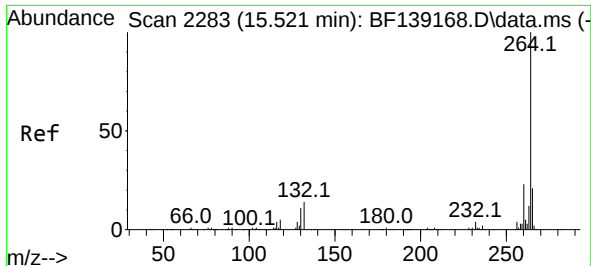
Tgt Ion:228 Resp: 88261
Ion Ratio Lower Upper
228 100
226 29.4 21.4 32.2
229 20.5 15.7 23.5



#83
Chrysene
Concen: 6.617 ng
RT: 14.069 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23

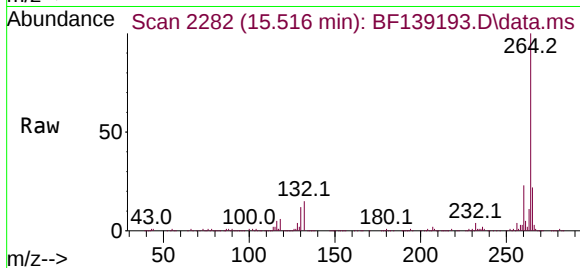
Tgt Ion:228 Resp: 72429
Ion Ratio Lower Upper
228 100
226 29.2 23.8 35.6
229 22.5 15.8 23.6



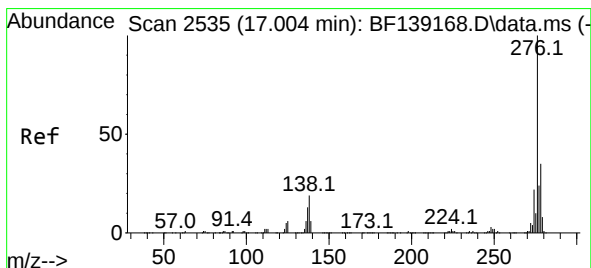
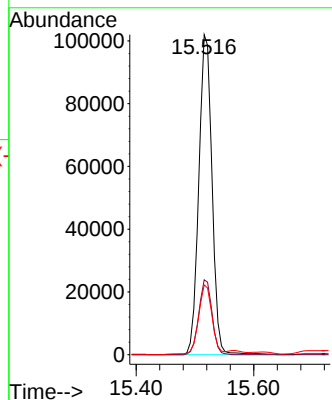
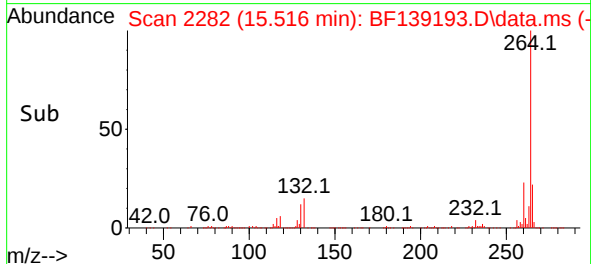


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.516 min Scan# 21
Delta R.T. -0.005 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23

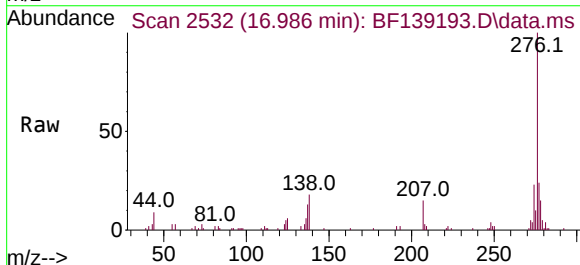
Instrument :
BNA_F
ClientSampleId :
WC-1



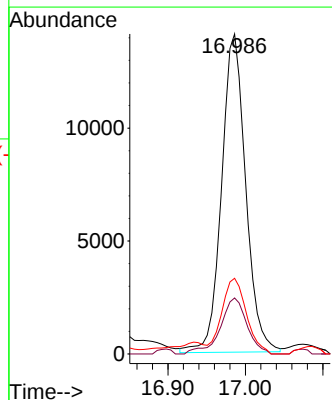
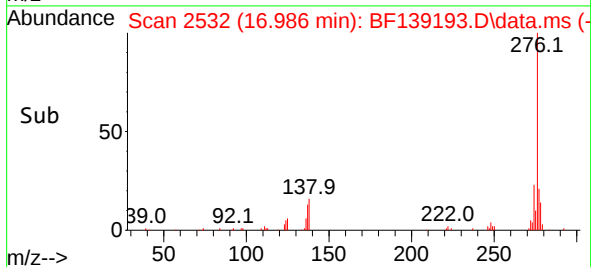
Tgt Ion:264 Resp: 159035
Ion Ratio Lower Upper
264 100
260 23.4 18.3 27.5
265 21.8 17.0 25.6

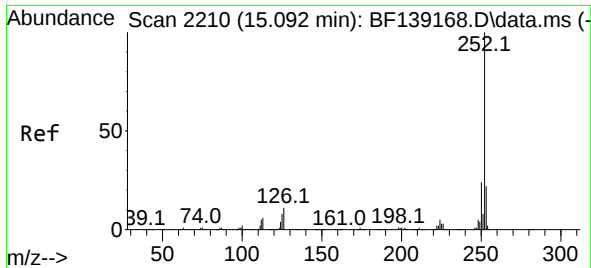


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.809 ng
RT: 16.986 min Scan# 2532
Delta R.T. -0.017 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23



Tgt Ion:276 Resp: 30542
Ion Ratio Lower Upper
276 100
138 19.4 17.4 26.2
277 24.3 20.3 30.5

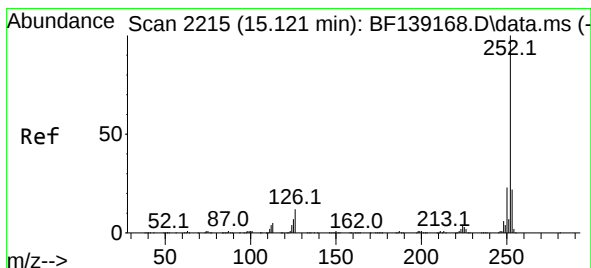
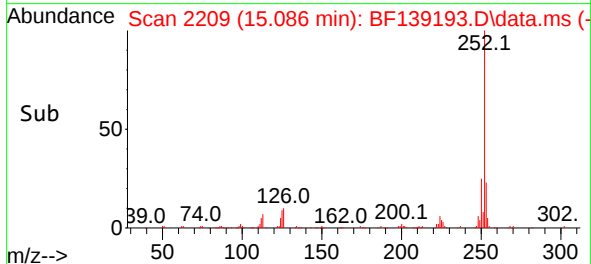
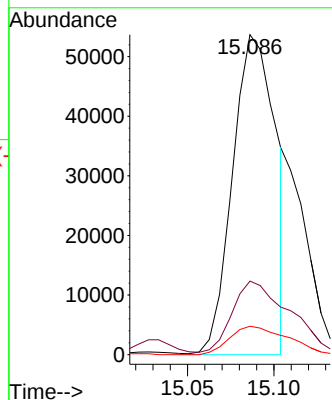
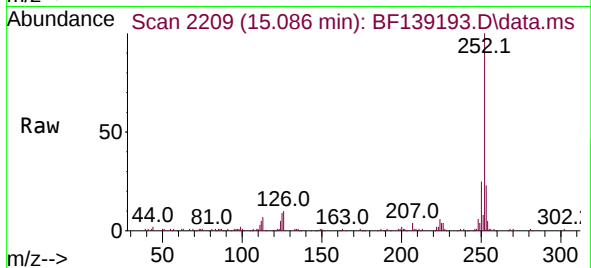




#88
Benzo(b)fluoranthene
Concen: 10.016 ng m
RT: 15.086 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23

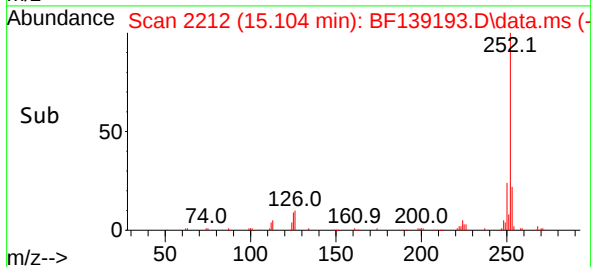
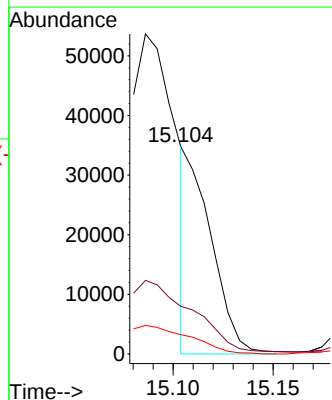
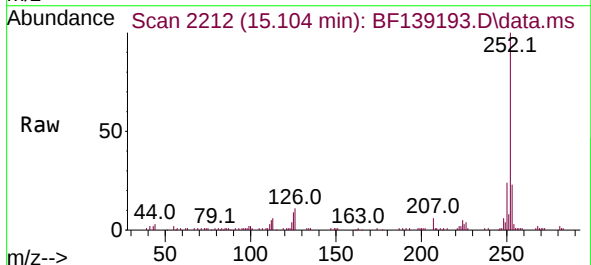
Instrument :
BNA_F
ClientSampleId :
WC-1

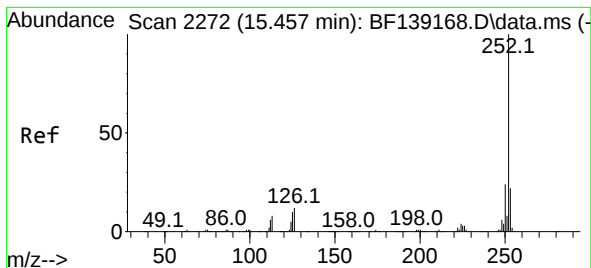
Tgt Ion:252 Resp: 93183
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 8.9 6.7 10.1



#89
Benzo(k)fluoranthene
Concen: 3.485 ng m
RT: 15.104 min Scan# 2212
Delta R.T. -0.017 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23

Tgt Ion:252 Resp: 29312
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.6
125 9.3 6.5 9.7





#90

Benzo(a)pyrene

Concen: 7.993 ng

RT: 15.451 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139193.D

Acq: 27 Aug 2024 18:23

Instrument :

BNA_F

ClientSampleId :

WC-1

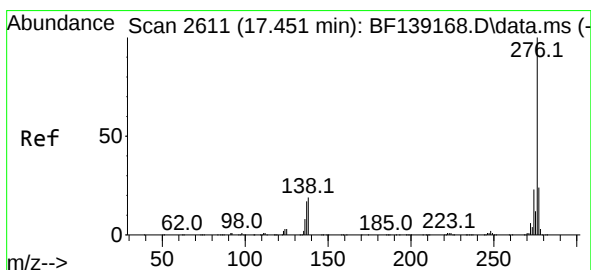
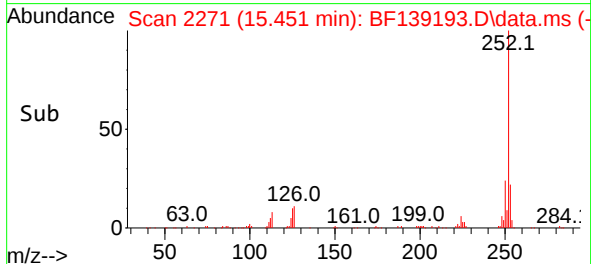
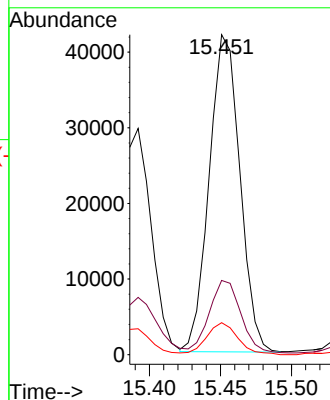
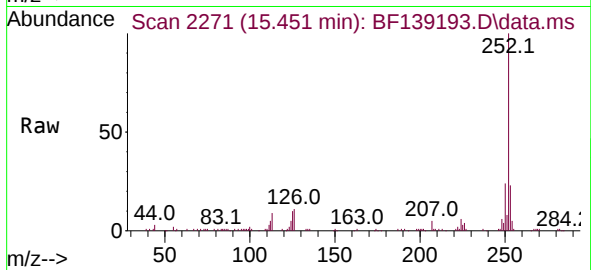
Tgt Ion:252 Resp: 63115

Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

125 10.0 7.8 11.6



#92

Benzo(g,h,i)perylene

Concen: 3.170 ng

RT: 17.433 min Scan# 2608

Delta R.T. -0.017 min

Lab File: BF139193.D

Acq: 27 Aug 2024 18:23

Tgt Ion:276 Resp: 29225

Ion Ratio Lower Upper

276 100

277 25.2 19.0 28.6

138 17.9 15.0 22.6

