

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082724\
 Data File : BF139197.D
 Acq On : 27 Aug 2024 20:28
 Operator : RC/JU
 Sample : P3732-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UI-1

Quant Time: Aug 28 00:50:17 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)

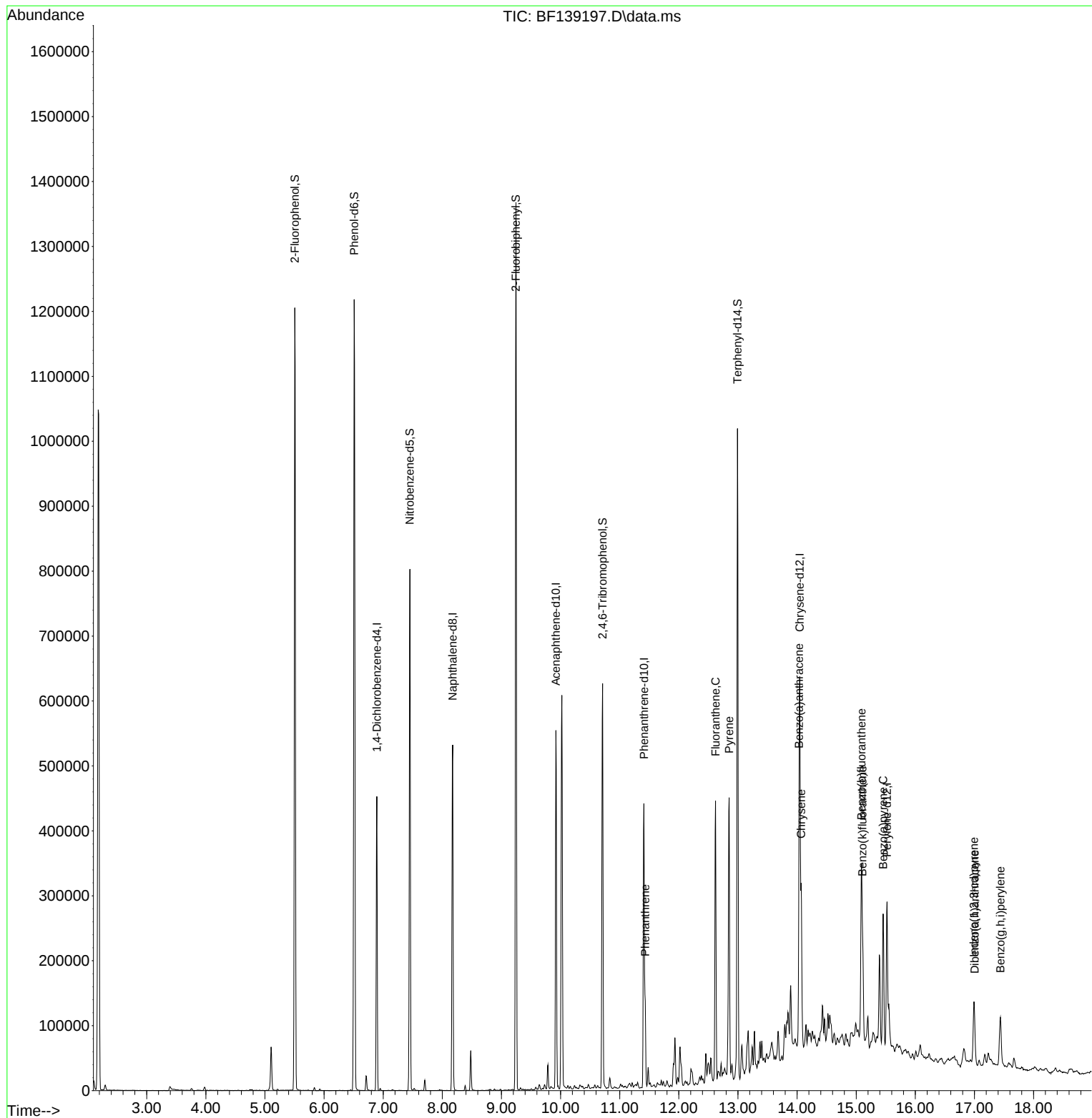
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	87110	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	309814	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	157195	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	221006	20.000	ng	0.00
76) Chrysene-d12	14.045	240	175476	20.000	ng	0.00
86) Perylene-d12	15.521	264	128947	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	408981	78.893	ng	0.00
7) Phenol-d6	6.510	99	542576	76.262	ng	-0.01
23) Nitrobenzene-d5	7.451	82	340696	60.923	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	93006	69.083	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	550789	54.427	ng	0.00
79) Terphenyl-d14	12.992	244	460474	40.945	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	68982	6.177	ng	99
75) Fluoranthene	12.621	202	230733	21.289	ng	99
78) Pyrene	12.851	202	245932	14.920	ng	100
81) Benzo(a)anthracene	14.033	228	148324m	12.757	ng	
83) Chrysene	14.068	228	133439	12.723	ng	97
87) Indeno(1,2,3-cd)pyrene	16.992	276	69602	7.894	ng	97
88) Benzo(b)fluoranthene	15.092	252	173402m	22.988	ng	
89) Benzo(k)fluoranthene	15.104	252	66465m	9.746	ng	
90) Benzo(a)pyrene	15.457	252	116627	18.216	ng	99
91) Dibenzo(a,h)anthracene	17.004	278	15594m	2.158	ng	
92) Benzo(g,h,i)perylene	17.439	276	65659	8.784	ng	98

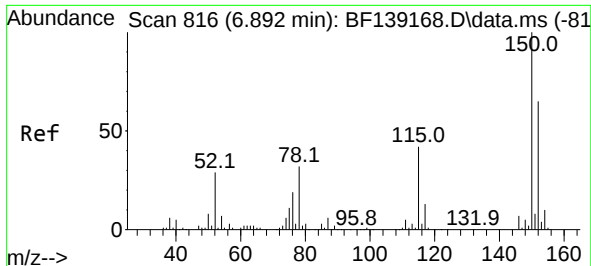
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082724\
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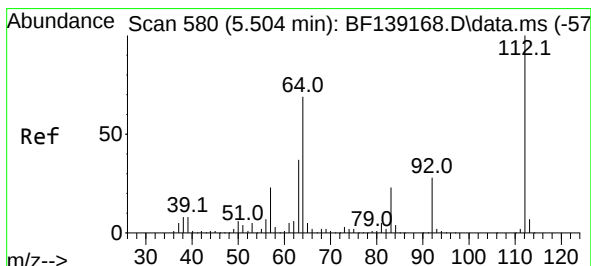
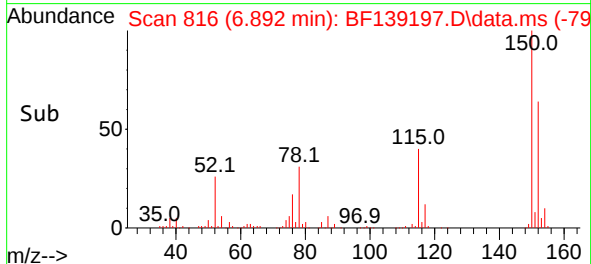
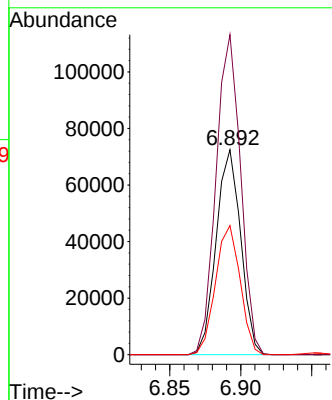
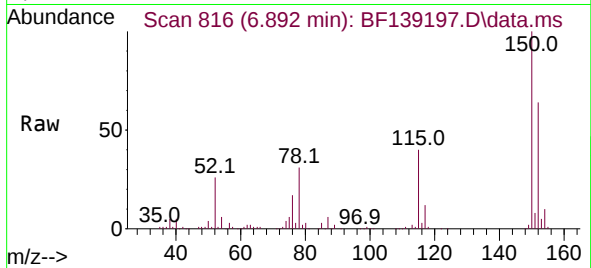




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139197.D
Acq: 27 Aug 2024 20:28

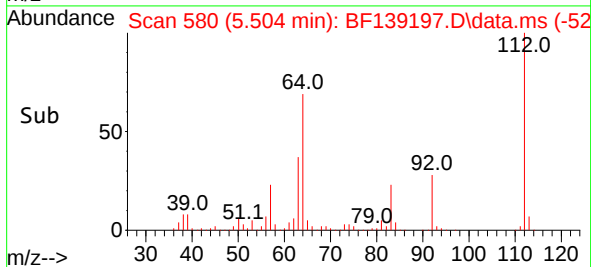
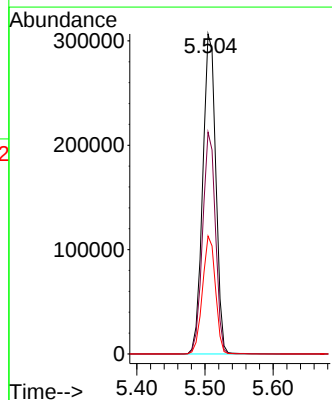
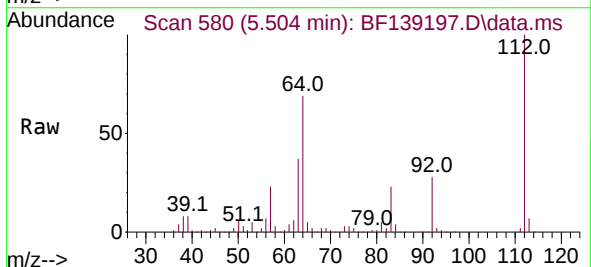
Instrument :
BNA_F
ClientSampleId :
UI-1

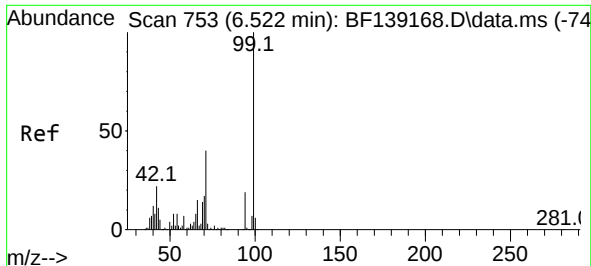
Tgt Ion:152 Resp: 87110
Ion Ratio Lower Upper
152 100
150 156.1 123.7 185.5
115 63.0 51.8 77.8



#5
2-Fluorophenol
Concen: 78.893 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.000 min
Lab File: BF139197.D
Acq: 27 Aug 2024 20:28

Tgt Ion:112 Resp: 408981
Ion Ratio Lower Upper
112 100
64 69.3 55.5 83.3
63 36.9 29.8 44.6

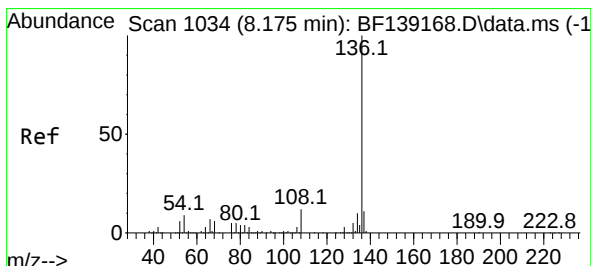
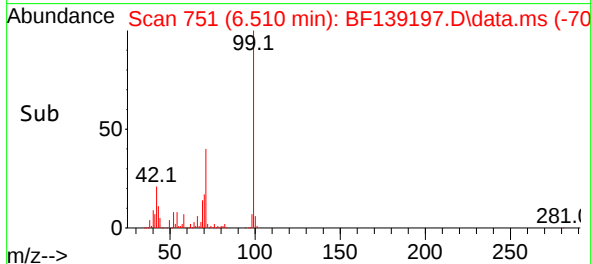
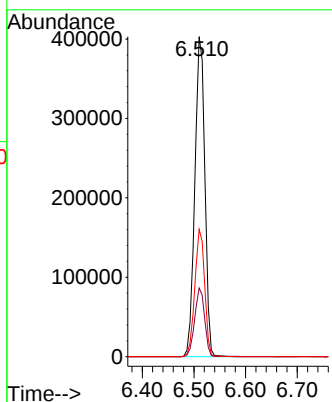
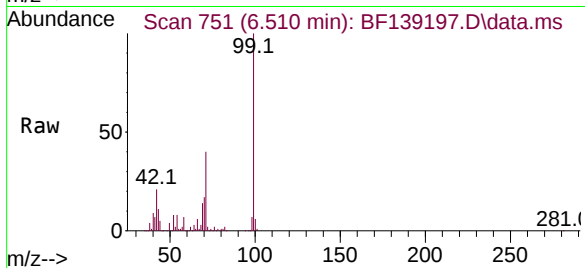




#7
Phenol-d6
Concen: 76.262 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF139197.D
Acq: 27 Aug 2024 20:28

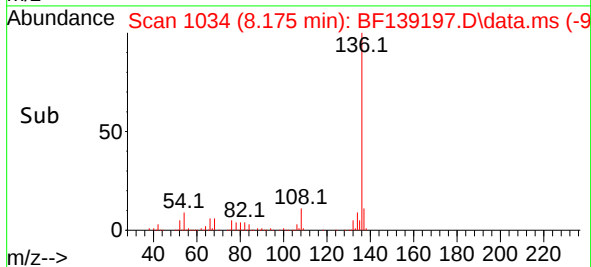
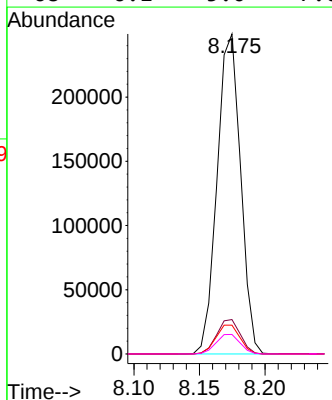
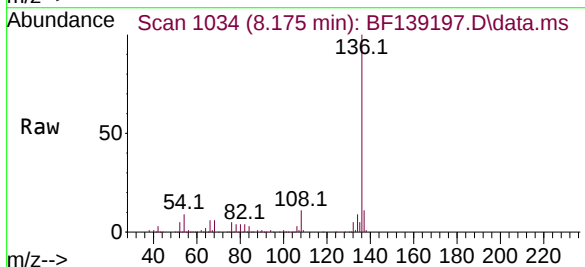
Instrument :
BNA_F
ClientSampleId :
UI-1

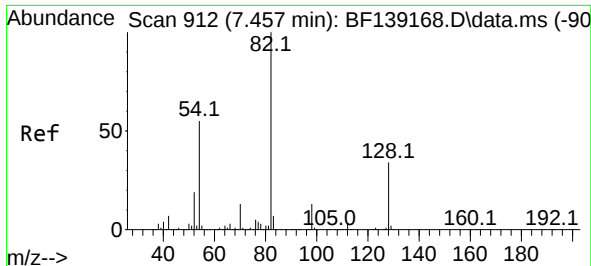
Tgt Ion: 99 Resp: 542576
Ion Ratio Lower Upper
99 100
42 21.5 17.9 26.9
71 39.8 31.7 47.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF139197.D
Acq: 27 Aug 2024 20:28

Tgt Ion: 136 Resp: 309814
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 9.0 7.6 11.4
68 6.1 5.0 7.6





#23

Nitrobenzene-d5

Concen: 60.923 ng

RT: 7.451 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF139197.D

Acq: 27 Aug 2024 20:28

Instrument :

BNA_F

ClientSampleId :

UI-1

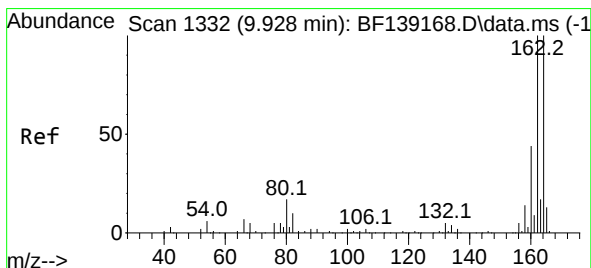
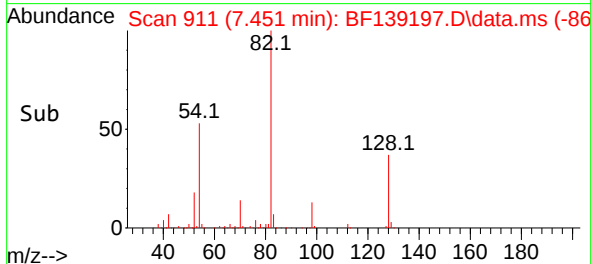
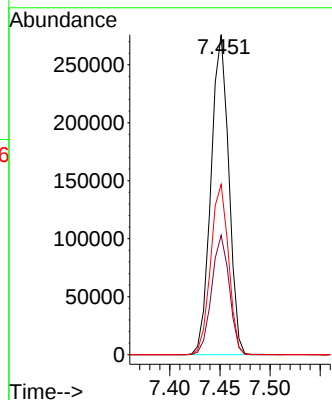
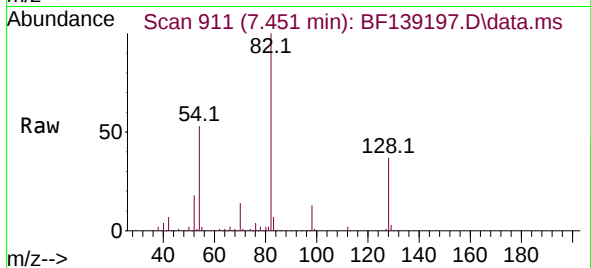
Tgt Ion: 82 Resp: 340696

Ion Ratio Lower Upper

82 100

128 37.3 27.1 40.7

54 53.2 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: BF139197.D

Acq: 27 Aug 2024 20:28

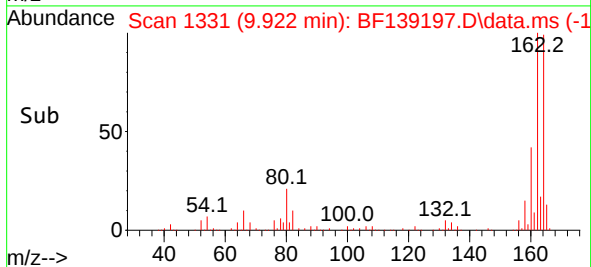
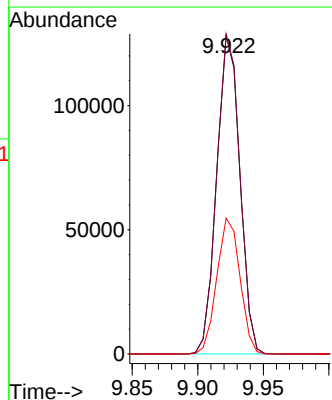
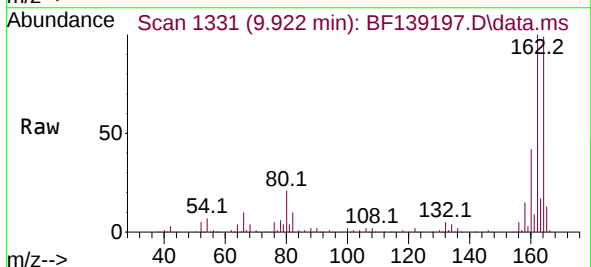
Tgt Ion:164 Resp: 157195

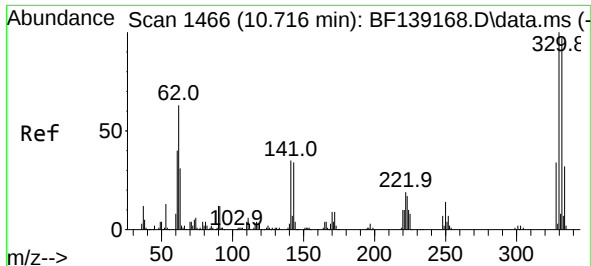
Ion Ratio Lower Upper

164 100

162 100.6 80.0 120.0

160 42.7 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 69.083 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF139197.D

Acq: 27 Aug 2024 20:28

Instrument :

BNA_F

ClientSampleId :

UI-1

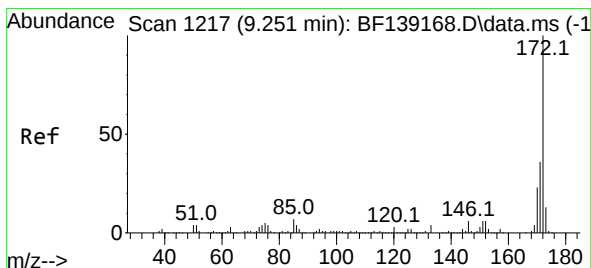
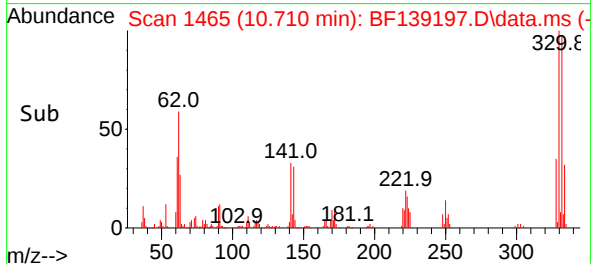
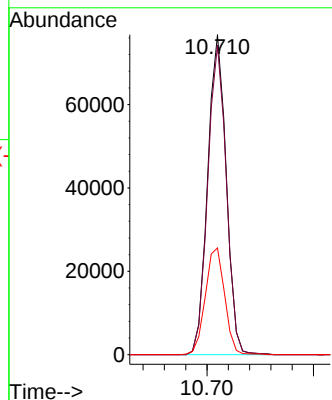
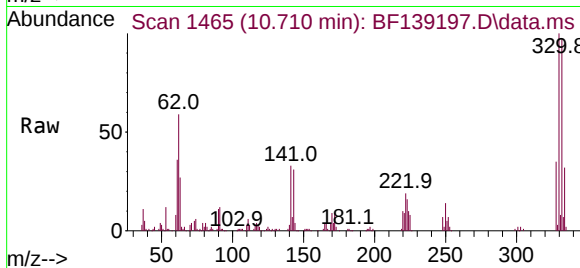
Tgt Ion:330 Resp: 93006

Ion Ratio Lower Upper

330 100

332 97.0 77.3 115.9

141 34.8 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 54.427 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139197.D

Acq: 27 Aug 2024 20:28

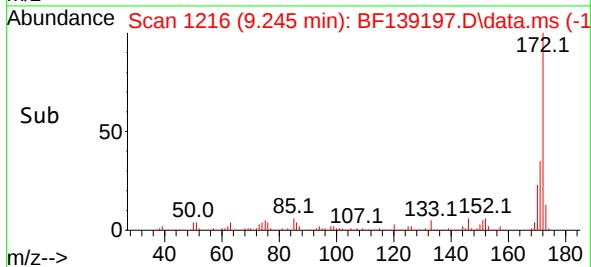
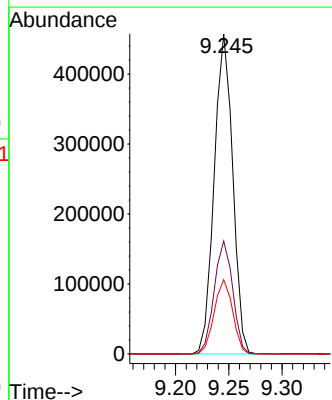
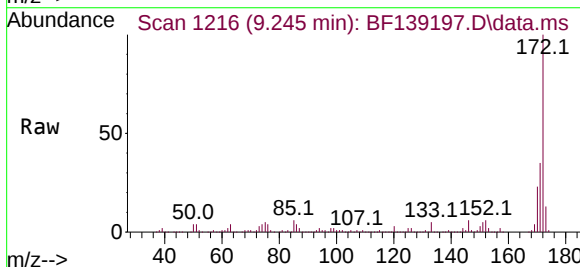
Tgt Ion:172 Resp: 550789

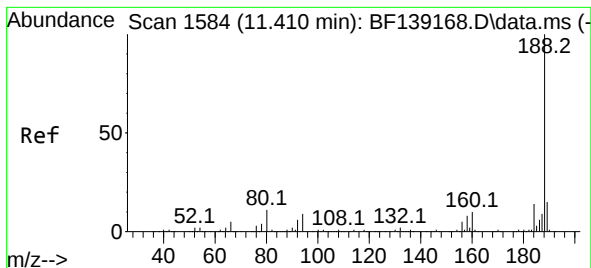
Ion Ratio Lower Upper

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: BF139197.D

Acq: 27 Aug 2024 20:28

Instrument :

BNA_F

ClientSampleId :

UI-1

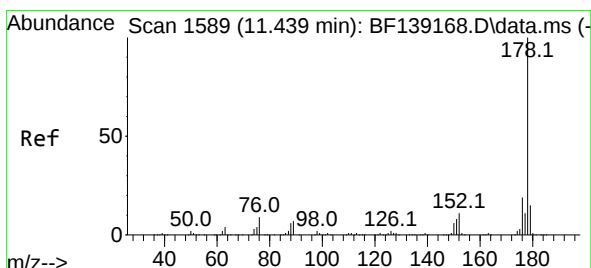
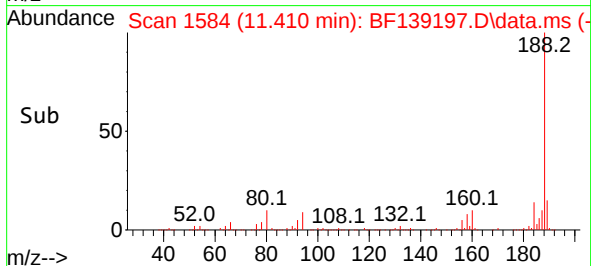
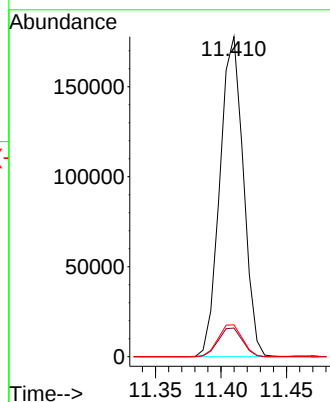
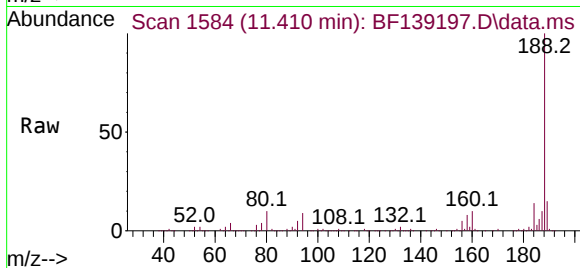
Tgt Ion:188 Resp: 221006

Ion Ratio Lower Upper

188 100

94 8.9 7.4 11.2

80 10.0 8.9 13.3



#71

Phenanthrene

Concen: 6.177 ng

RT: 11.433 min Scan# 1588

Delta R.T. -0.006 min

Lab File: BF139197.D

Acq: 27 Aug 2024 20:28

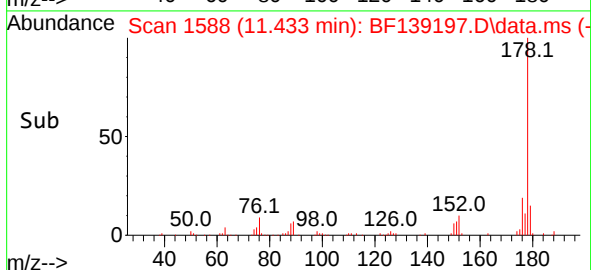
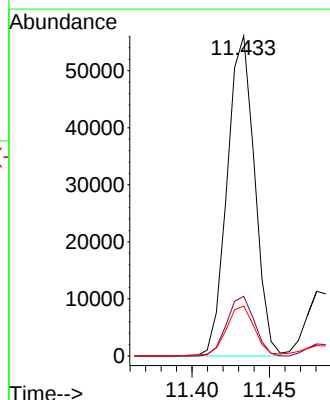
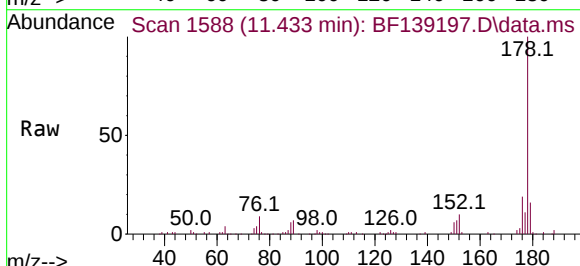
Tgt Ion:178 Resp: 68982

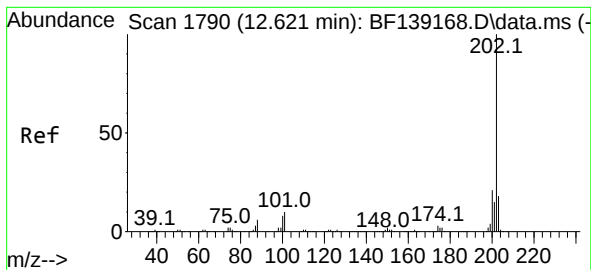
Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.0

179 15.6 12.2 18.4





#75

Fluoranthene

Concen: 21.289 ng

RT: 12.621 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139197.D

Acq: 27 Aug 2024 20:28

Instrument :

BNA_F

ClientSampleId :

UI-1

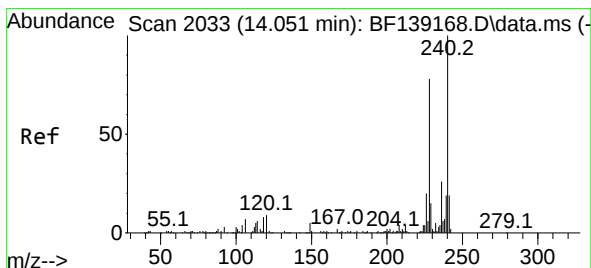
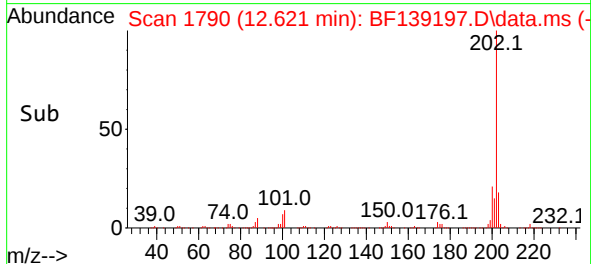
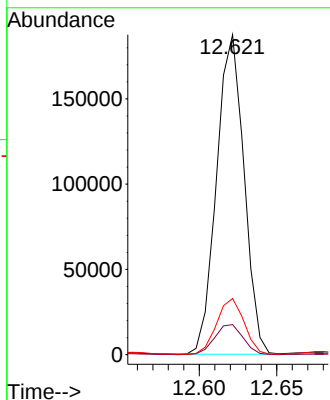
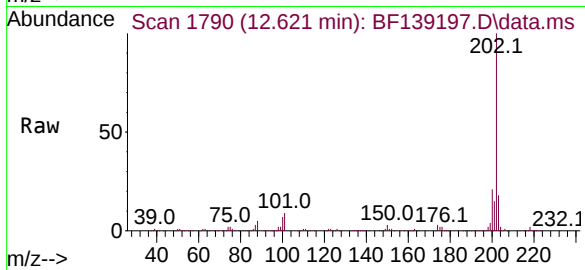
Tgt Ion:202 Resp: 230733

Ion Ratio Lower Upper

202 100

101 9.4 0.0 30.1

203 17.6 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: BF139197.D

Acq: 27 Aug 2024 20:28

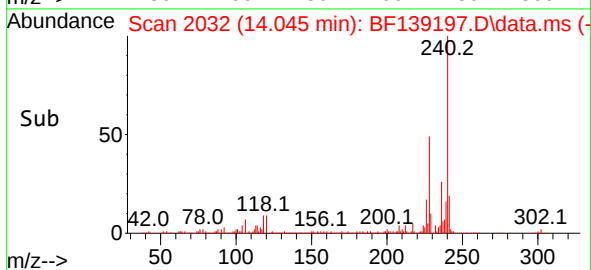
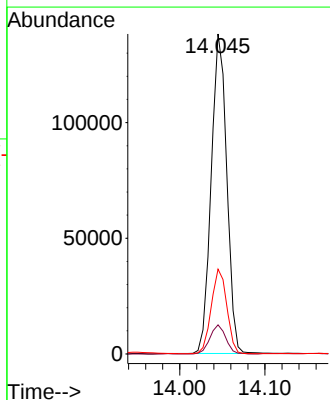
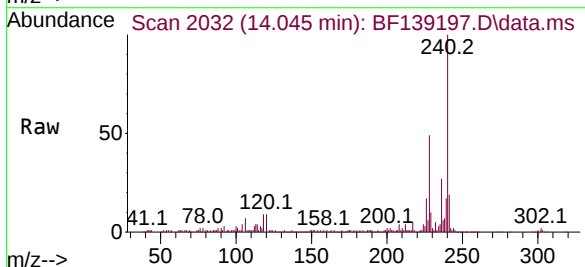
Tgt Ion:240 Resp: 175476

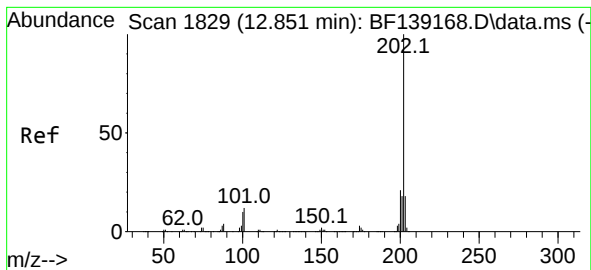
Ion Ratio Lower Upper

240 100

120 9.1 6.9 10.3

236 26.5 20.9 31.3





#78

Pyrene

Concen: 14.920 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.000 min

Lab File: BF139197.D

Acq: 27 Aug 2024 20:28

Instrument :

BNA_F

ClientSampleId :

UI-1

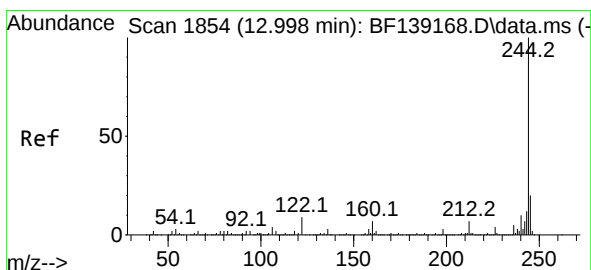
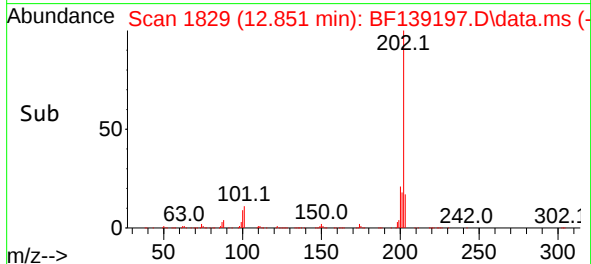
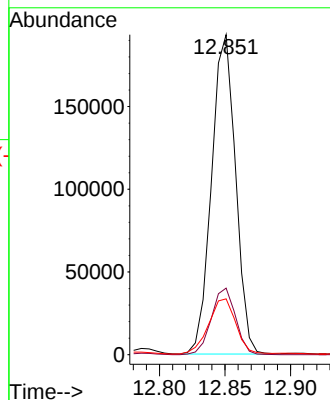
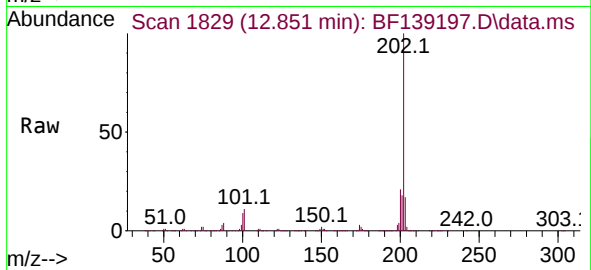
Tgt Ion:202 Resp: 245932

Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

203 17.4 14.1 21.1



#79

Terphenyl-d14

Concen: 40.945 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF139197.D

Acq: 27 Aug 2024 20:28

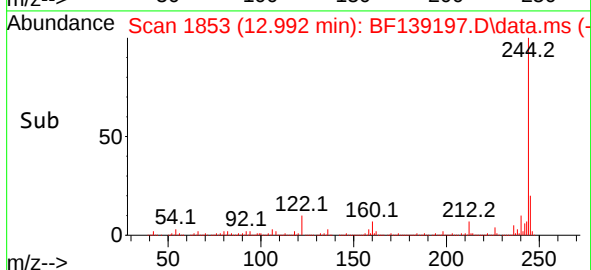
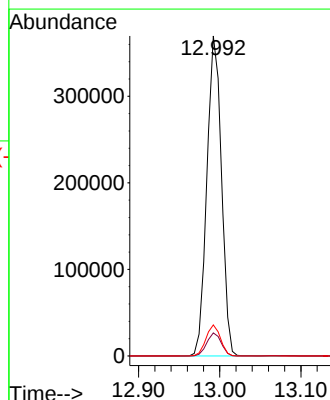
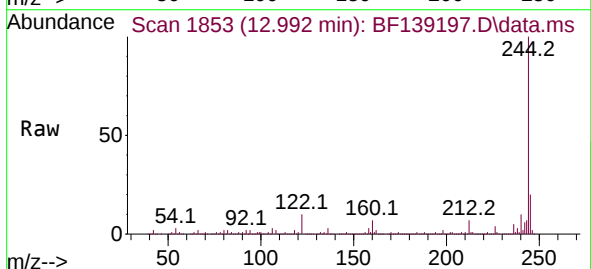
Tgt Ion:244 Resp: 460474

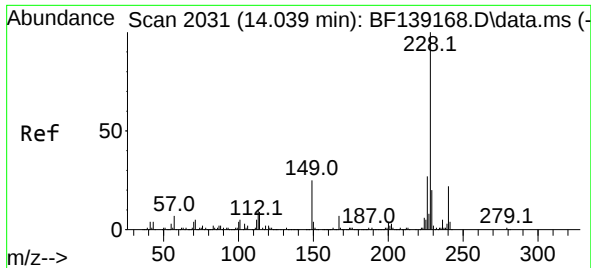
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 9.7 7.6 11.4





#81

Benzo(a)anthracene

Concen: 12.757 ng m

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF139197.D

Acq: 27 Aug 2024 20:28

Instrument :

BNA_F

ClientSampleId :

UI-1

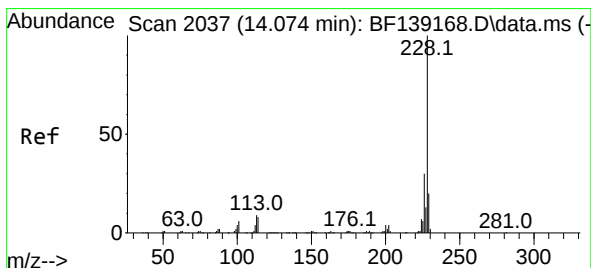
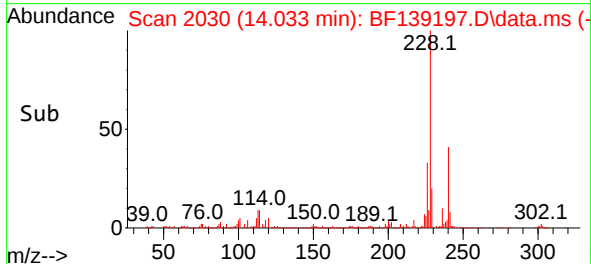
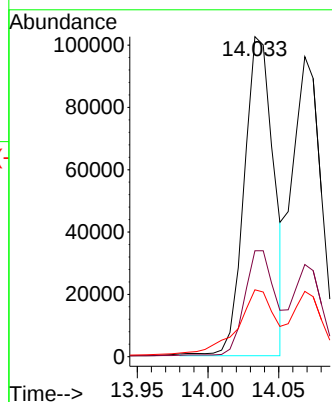
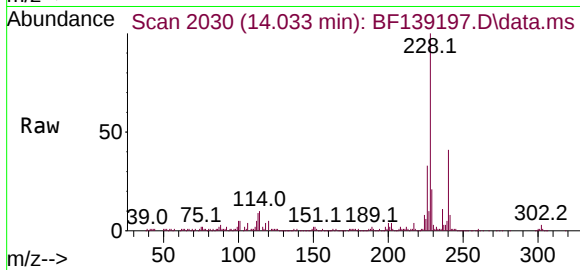
Tgt Ion:228 Resp: 148324

Ion Ratio Lower Upper

228 100

226 33.1 21.4 32.2#

229 20.9 15.7 23.5



#83

Chrysene

Concen: 12.723 ng

RT: 14.068 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF139197.D

Acq: 27 Aug 2024 20:28

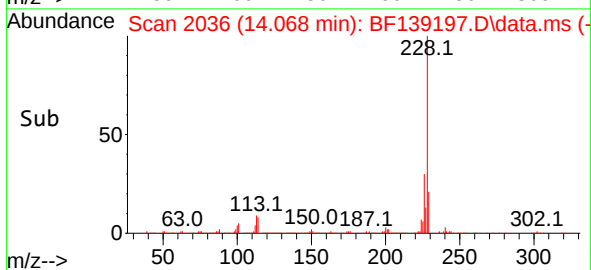
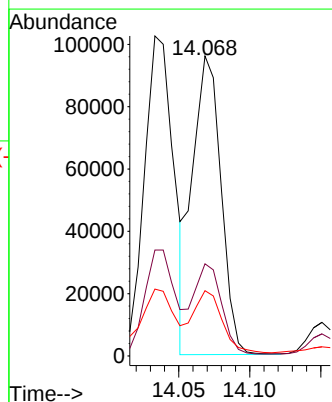
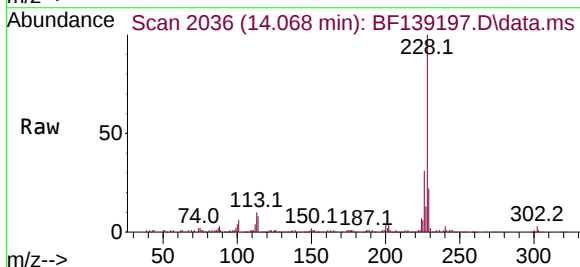
Tgt Ion:228 Resp: 133439

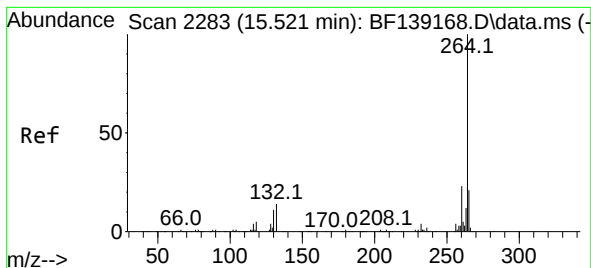
Ion Ratio Lower Upper

228 100

226 30.7 23.8 35.6

229 21.7 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139197.D

Acq: 27 Aug 2024 20:28

Instrument :

BNA_F

ClientSampleId :

UI-1

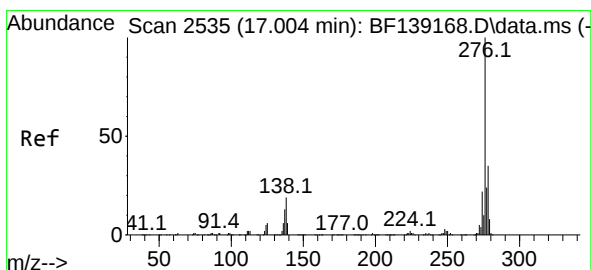
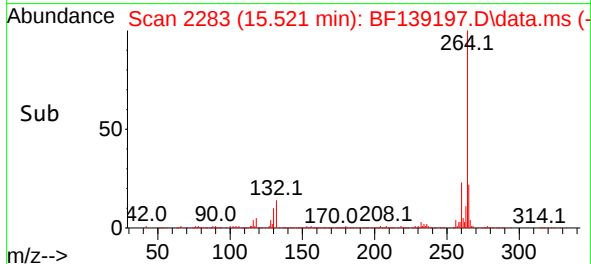
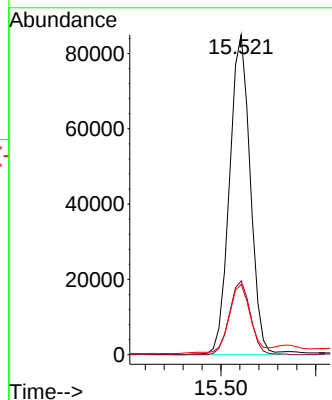
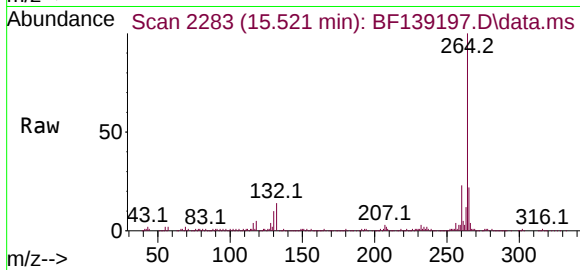
Tgt Ion:264 Resp: 128947

Ion Ratio Lower Upper

264 100

260 23.0 18.3 27.5

265 22.0 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.894 ng

RT: 16.992 min Scan# 2533

Delta R.T. -0.012 min

Lab File: BF139197.D

Acq: 27 Aug 2024 20:28

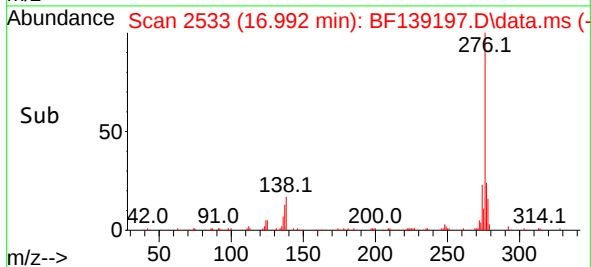
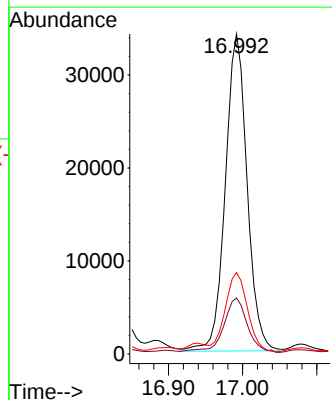
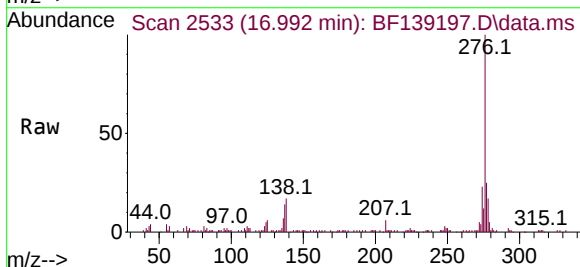
Tgt Ion:276 Resp: 69602

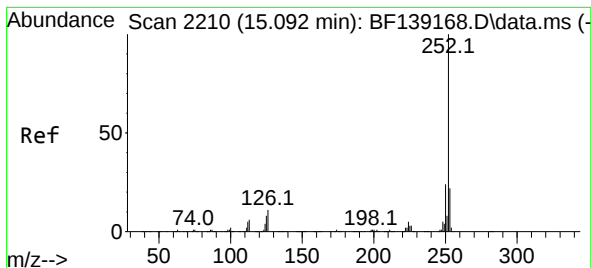
Ion Ratio Lower Upper

276 100

138 18.7 17.4 26.2

277 25.6 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 22.988 ng m

RT: 15.092 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139197.D

Acq: 27 Aug 2024 20:28

Instrument :

BNA_F

ClientSampleId :

UI-1

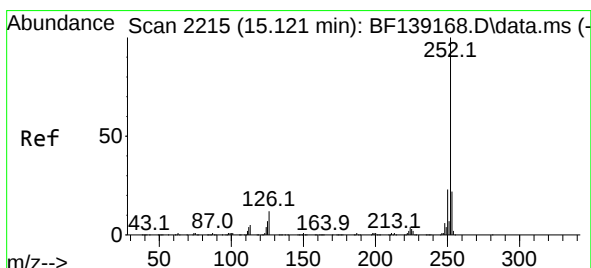
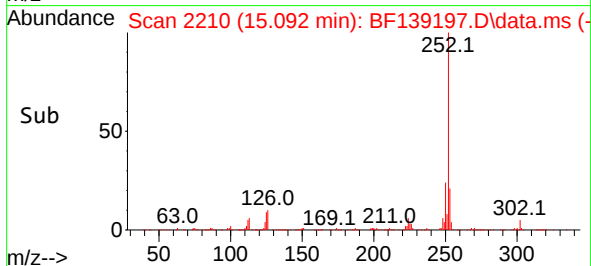
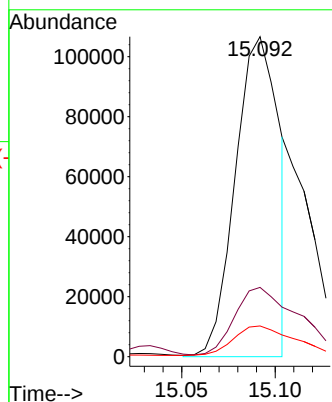
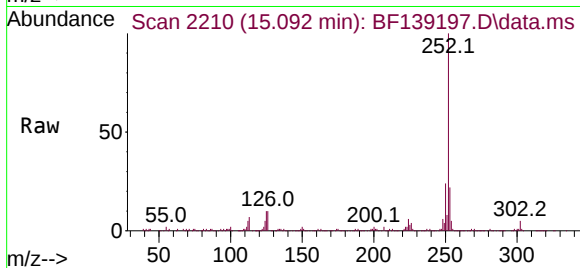
Tgt Ion:252 Resp: 173402

Ion Ratio Lower Upper

252 100

253 21.7 18.0 27.0

125 9.6 6.7 10.1



#89

Benzo(k)fluoranthene

Concen: 9.746 ng m

RT: 15.104 min Scan# 2212

Delta R.T. -0.018 min

Lab File: BF139197.D

Acq: 27 Aug 2024 20:28

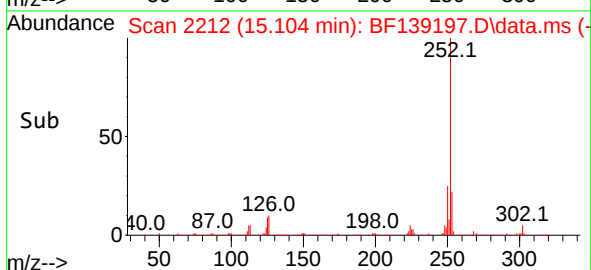
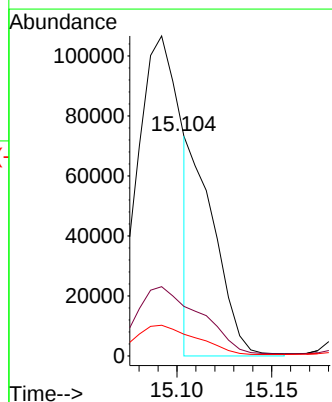
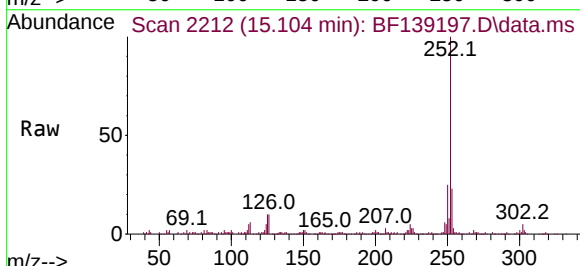
Tgt Ion:252 Resp: 66465

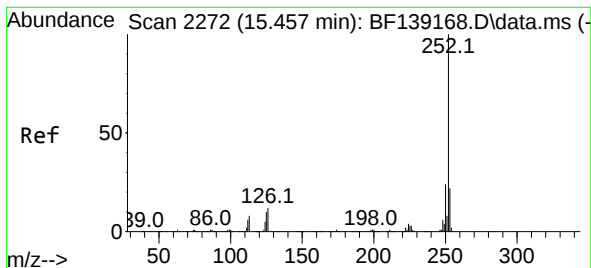
Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

125 9.9 6.5 9.7#





#90

Benzo(a)pyrene

Concen: 18.216 ng

RT: 15.457 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139197.D

Acq: 27 Aug 2024 20:28

Instrument :

BNA_F

ClientSampleId :

UI-1

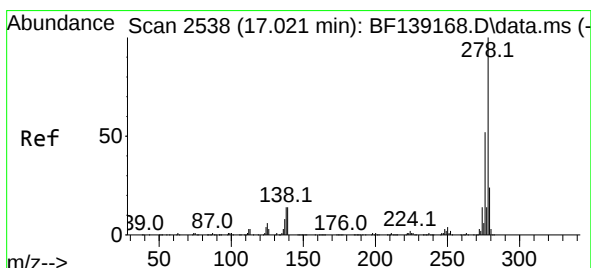
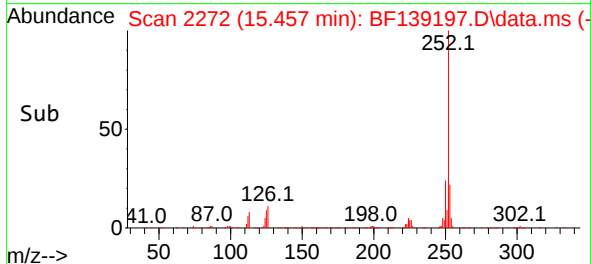
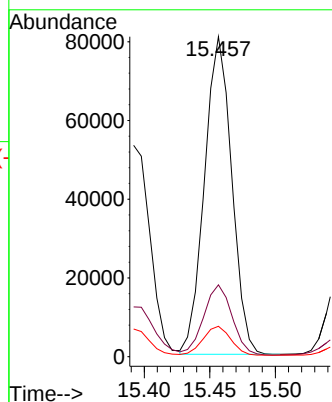
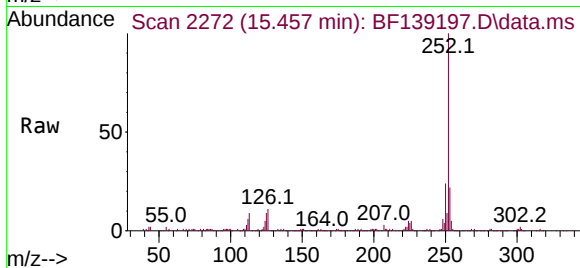
Tgt Ion:252 Resp: 116627

Ion Ratio Lower Upper

252 100

253 22.4 17.3 25.9

125 9.5 7.8 11.6



#91

Dibenzo(a,h)anthracene

Concen: 2.158 ng m

RT: 17.004 min Scan# 2535

Delta R.T. -0.018 min

Lab File: BF139197.D

Acq: 27 Aug 2024 20:28

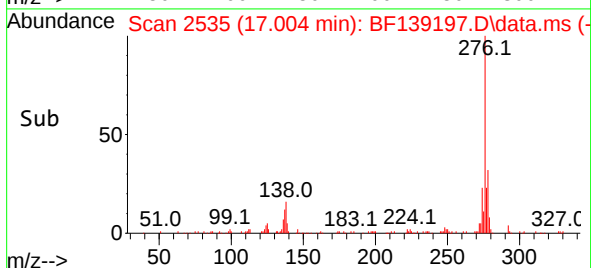
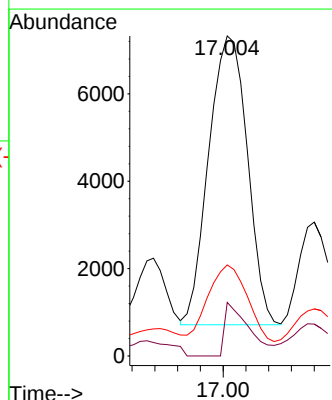
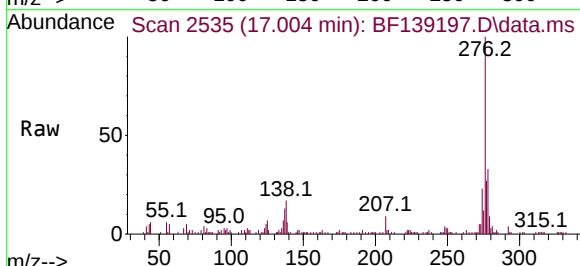
Tgt Ion:278 Resp: 15594

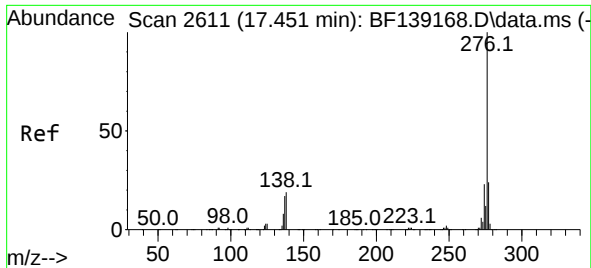
Ion Ratio Lower Upper

278 100

139 16.7 11.2 16.8

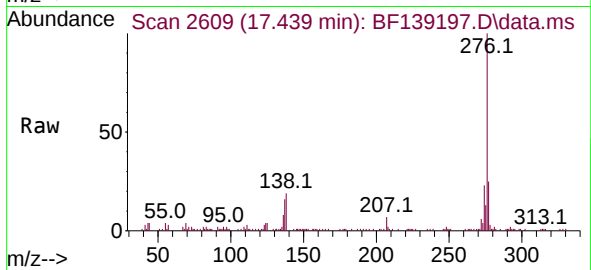
279 28.5 19.4 29.2





#92
Benzo(g,h,i)perylene
Concen: 8.784 ng
RT: 17.439 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF139197.D
Acq: 27 Aug 2024 20:28

Instrument :
BNA_F
ClientSampleId :
UI-1



Tgt Ion:	276	Resp:	65659
Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.0	28.6
138	18.9	15.0	22.6

