

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
 Data File : BF139130.D
 Acq On : 22 Aug 2024 18:50
 Operator : RC/JU
 Sample : P3660-03DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-902-J-0-0.5-081624DL

Quant Time: Aug 23 00:35:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 21 01:25:05 2024
 Response via : Initial Calibration

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

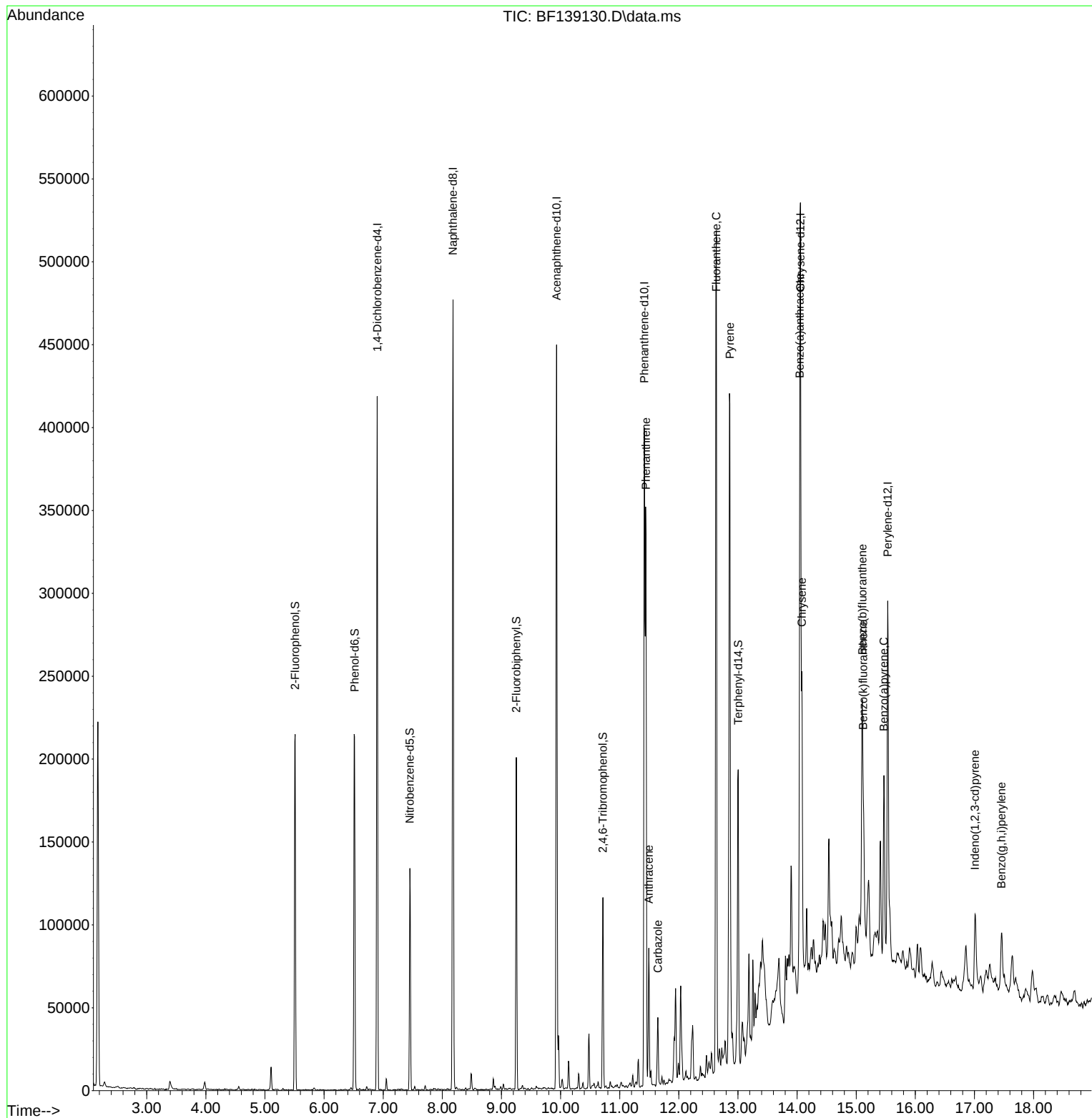
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	79112	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	266147	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	127618	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	202035	20.000	ng	0.00
76) Chrysene-d12	14.057	240	153592	20.000	ng	0.00
86) Perylene-d12	15.533	264	120624	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	70618	13.733	ng	0.00
7) Phenol-d6	6.516	99	89977	13.542	ng	0.00
23) Nitrobenzene-d5	7.451	82	55015	12.045	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	15668	13.562	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	79760	9.916	ng	0.00
79) Terphenyl-d14	13.004	244	79317	8.569	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.445	178	181347	17.660	ng	99
72) Anthracene	11.492	178	45437	4.524	ng	99
73) Carbazole	11.645	167	21136	2.254	ng	97
75) Fluoranthene	12.633	202	282521	25.776	ng	98
78) Pyrene	12.863	202	225314	17.579	ng	99
81) Benzo(a)anthracene	14.045	228	103430	10.244	ng	97
83) Chrysene	14.080	228	90616	9.902	ng	97
87) Indeno(1,2,3-cd)pyrene	17.009	276	35514	5.031	ng	94
88) Benzo(b)fluoranthene	15.104	252	86734m	11.029	ng	
89) Benzo(k)fluoranthene	15.115	252	35200m	5.374	ng	
90) Benzo(a)pyrene	15.468	252	61283	9.862	ng	97
92) Benzo(g,h,i)perylene	17.456	276	33784	7.600	ng	98

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

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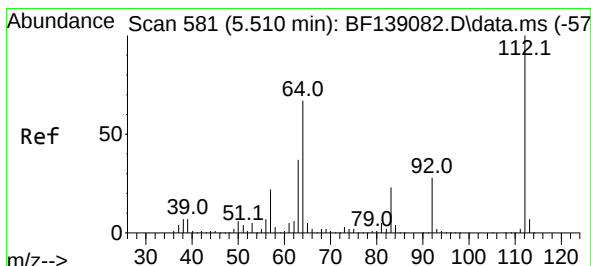
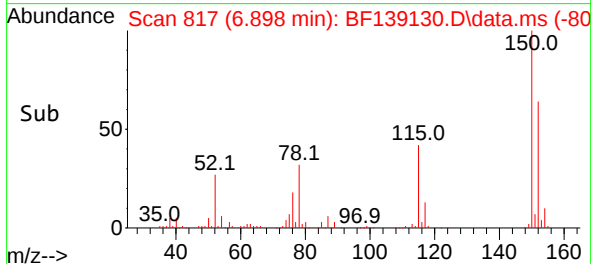
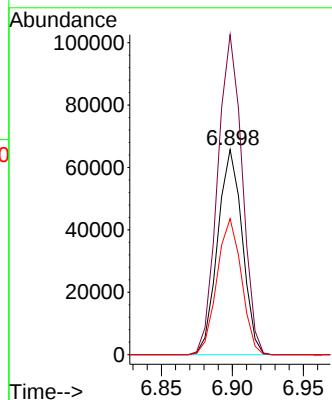
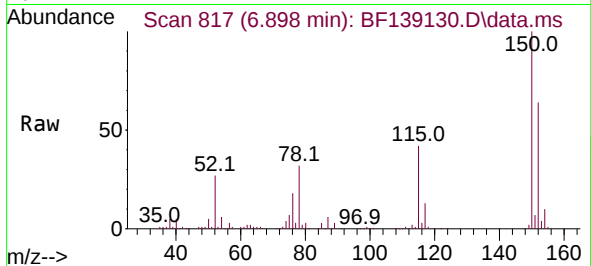




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 817
Delta R.T. -0.001 min
Lab File: BF139130.D
Acq: 22 Aug 2024 18:50

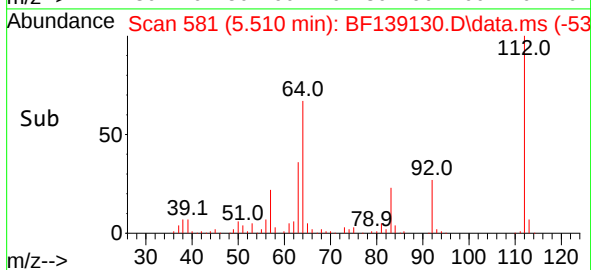
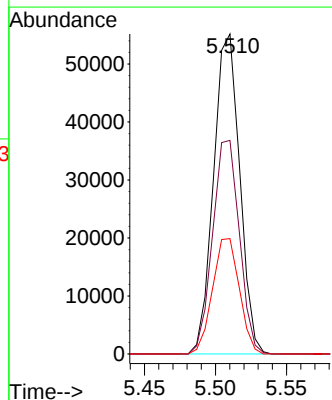
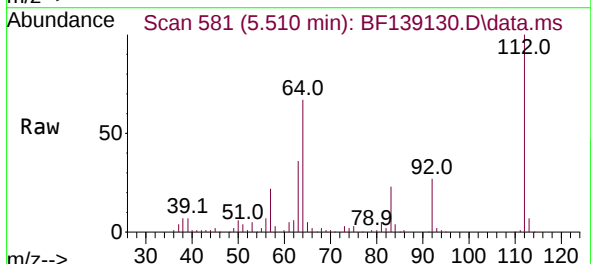
Instrument :
BNA_F
ClientSampleId :
S-902-J-0-0.5-081624DL

Tgt Ion:152 Resp: 79112
Ion Ratio Lower Upper
152 100
150 156.0 125.1 187.7
115 66.3 51.8 77.6



#5
2-Fluorophenol
Concen: 13.733 ng
RT: 5.510 min Scan# 581
Delta R.T. -0.000 min
Lab File: BF139130.D
Acq: 22 Aug 2024 18:50

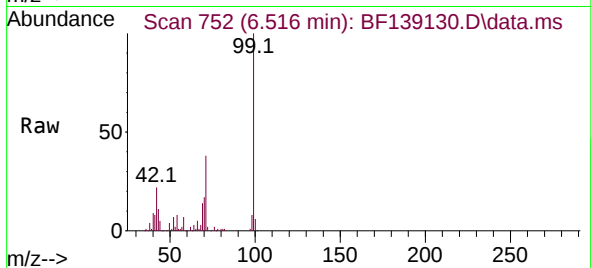
Tgt Ion:112 Resp: 70618
Ion Ratio Lower Upper
112 100
64 66.7 53.8 80.6
63 36.0 29.4 44.2



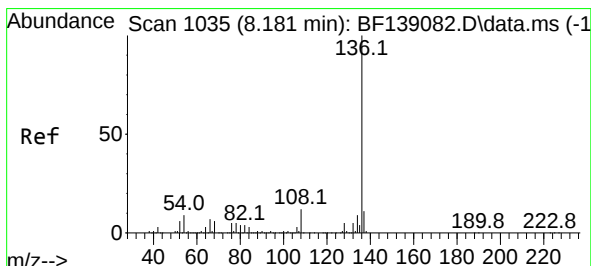
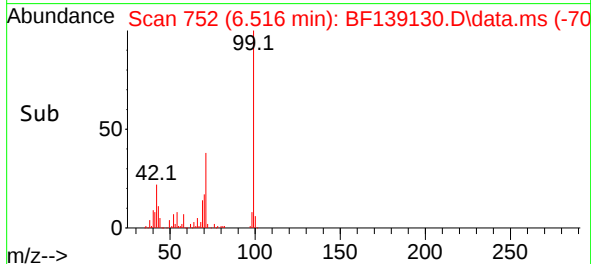
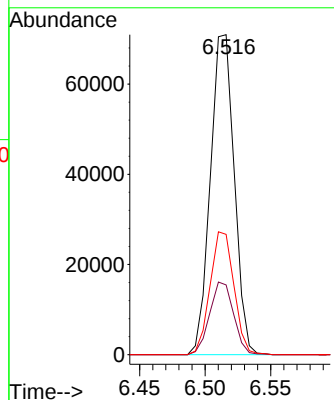


#7
Phenol-d6
Concen: 13.542 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139130.D
Acq: 22 Aug 2024 18:50

Instrument :
BNA_F
ClientSampleId :
S-902-J-0-0.5-081624DL

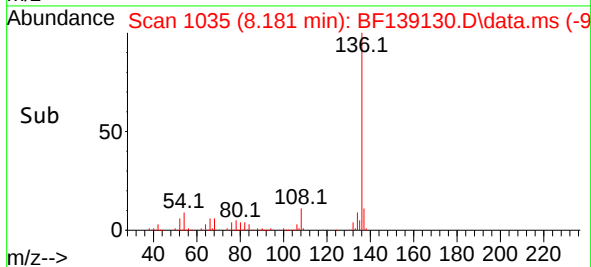
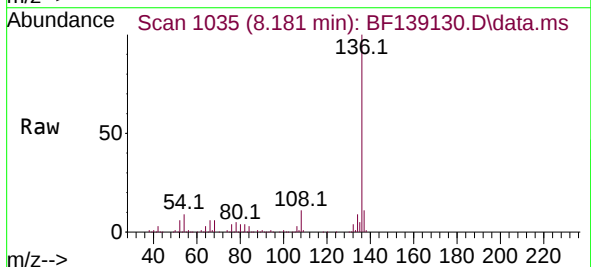
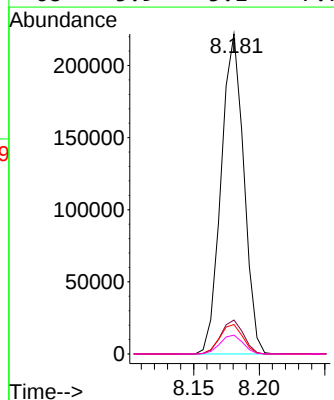


Tgt Ion: 99 Resp: 89977
Ion Ratio Lower Upper
99 100
42 21.8 17.4 26.2
71 37.6 31.2 46.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139130.D
Acq: 22 Aug 2024 18:50

Tgt Ion: 136 Resp: 266147
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 9.2 7.6 11.4
68 5.9 5.1 7.7





#23

Nitrobenzene-d5

Concen: 12.045 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.012 min

Lab File: BF139130.D

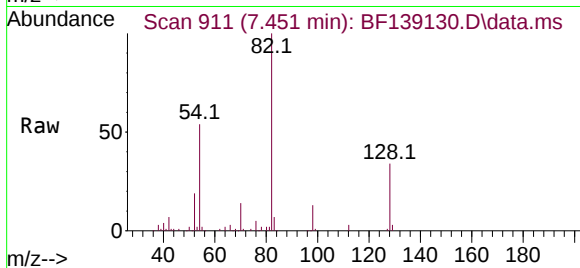
Acq: 22 Aug 2024 18:50

Instrument :

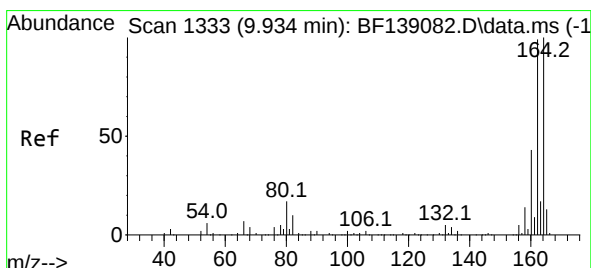
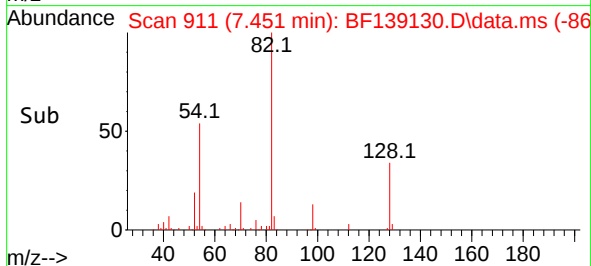
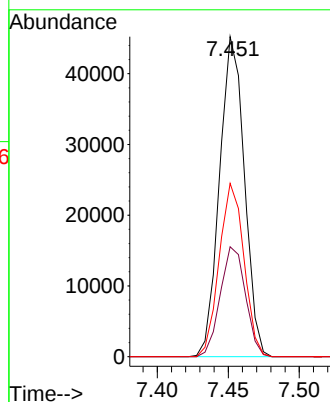
BNA_F

ClientSampleId :

S-902-J-0-0.5-081624DL



Tgt Ion:	82	Resp:	55015
Ion	Ratio	Lower	Upper
82	100		
128	34.4	29.0	43.4
54	54.2	43.4	65.2



#39

Acenaphthene-d10

Concen: 20.000 ng

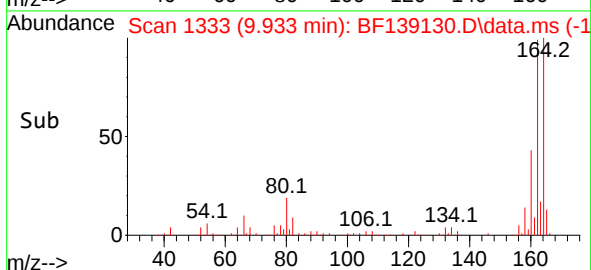
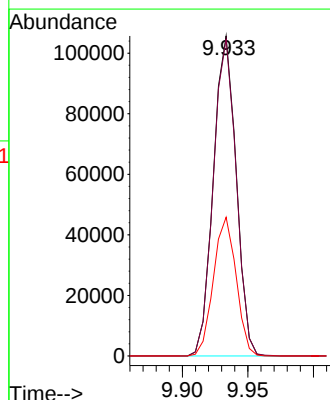
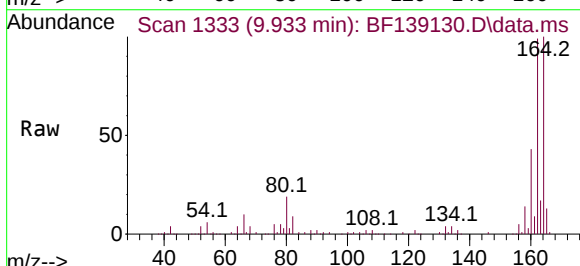
RT: 9.933 min Scan# 1333

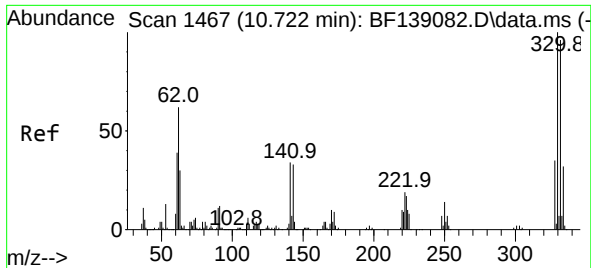
Delta R.T. -0.001 min

Lab File: BF139130.D

Acq: 22 Aug 2024 18:50

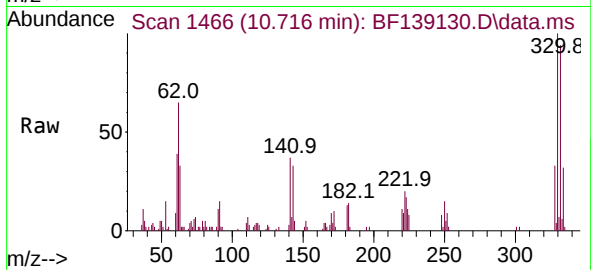
Tgt Ion:	164	Resp:	127618
Ion	Ratio	Lower	Upper
164	100		
162	99.0	79.5	119.3
160	43.4	34.5	51.7



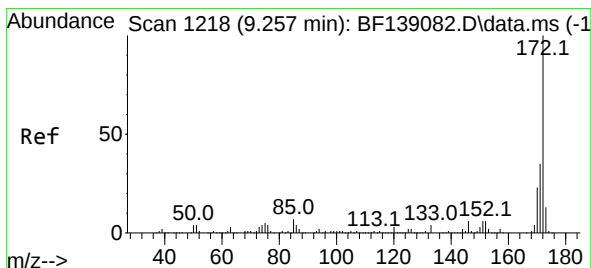
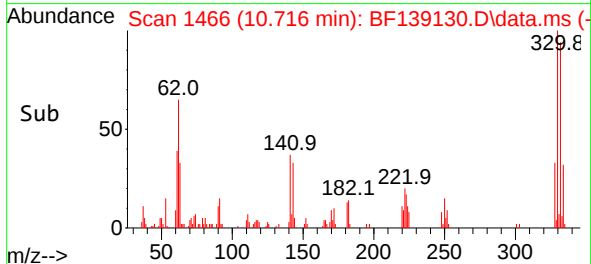
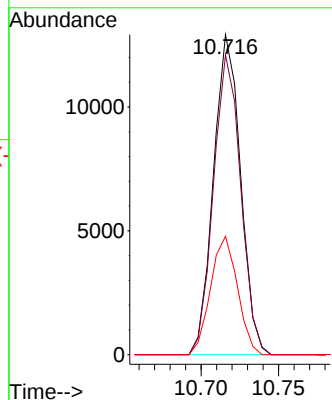


#42
2,4,6-Tribromophenol
Concen: 13.562 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139130.D
Acq: 22 Aug 2024 18:50

Instrument :
BNA_F
ClientSampleId :
S-902-J-0-0.5-081624DL

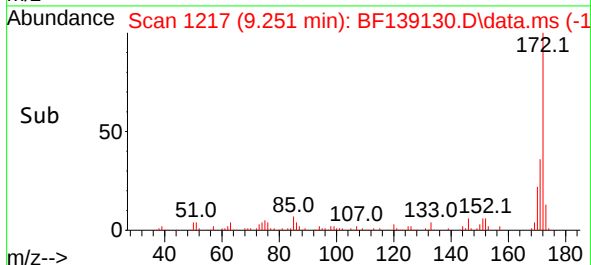
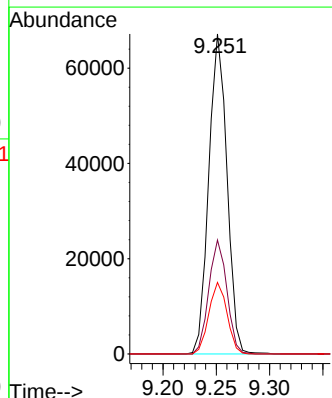
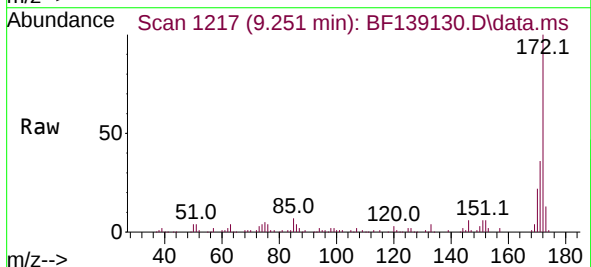


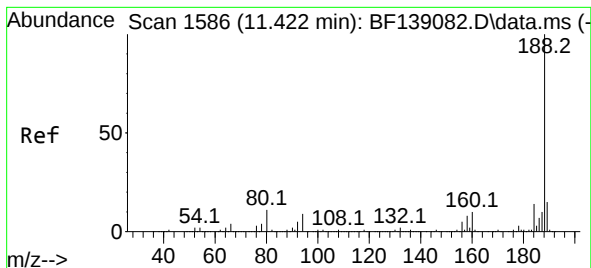
Tgt Ion:330 Resp: 15668
Ion Ratio Lower Upper
330 100
332 94.3 77.0 115.6
141 36.9 27.5 41.3



#45
2-Fluorobiphenyl
Concen: 9.916 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF139130.D
Acq: 22 Aug 2024 18:50

Tgt Ion:172 Resp: 79760
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 22.3 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139130.D

Acq: 22 Aug 2024 18:50

Instrument :

BNA_F

ClientSampleId :

S-902-J-0-0.5-081624DL

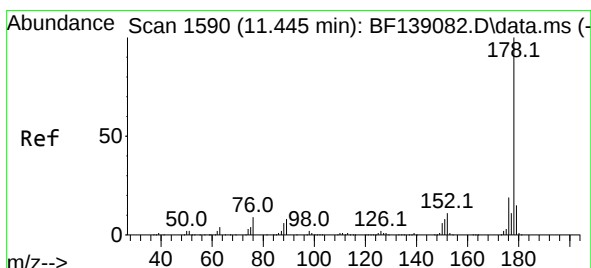
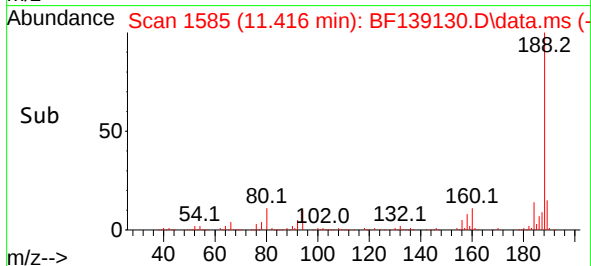
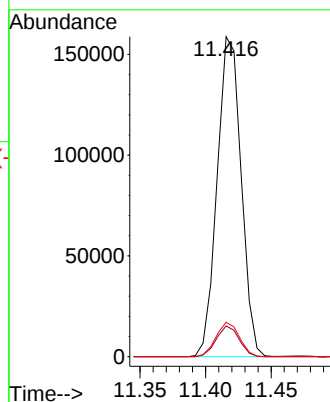
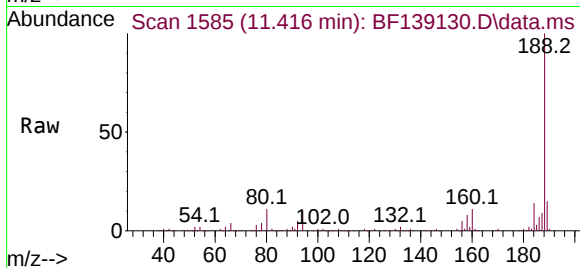
Tgt Ion:188 Resp: 202035

Ion Ratio Lower Upper

188 100

94 9.6 7.2 10.8

80 10.7 8.5 12.7



#71

Phenanthrene

Concen: 17.660 ng

RT: 11.445 min Scan# 1590

Delta R.T. -0.000 min

Lab File: BF139130.D

Acq: 22 Aug 2024 18:50

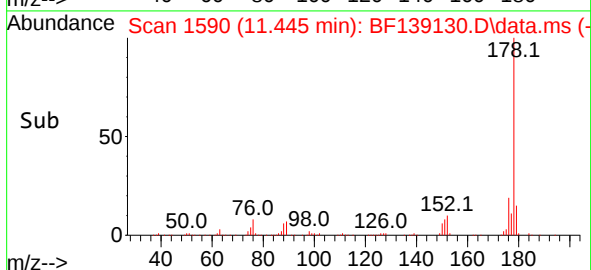
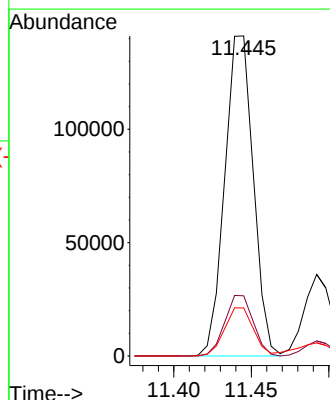
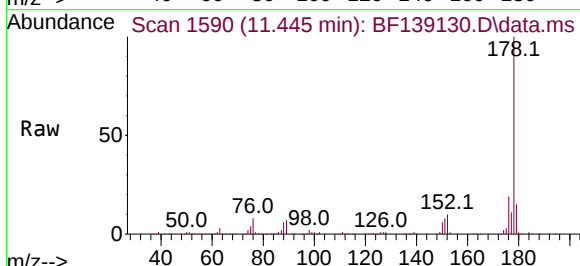
Tgt Ion:178 Resp: 181347

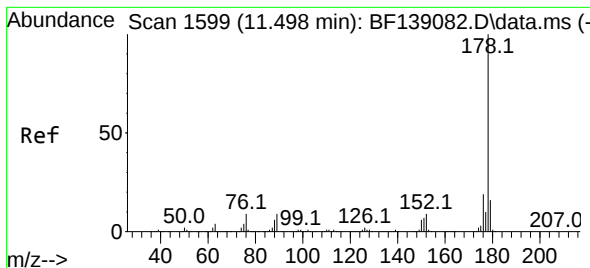
Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

179 15.0 12.3 18.5





#72

Anthracene

Concen: 4.524 ng

RT: 11.492 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139130.D

Acq: 22 Aug 2024 18:50

Instrument :

BNA_F

ClientSampleId :

S-902-J-0-0.5-081624DL

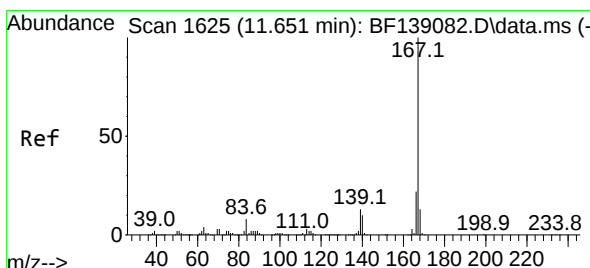
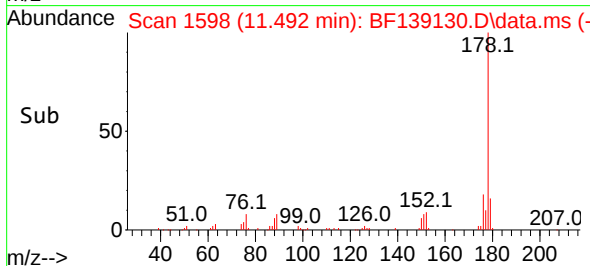
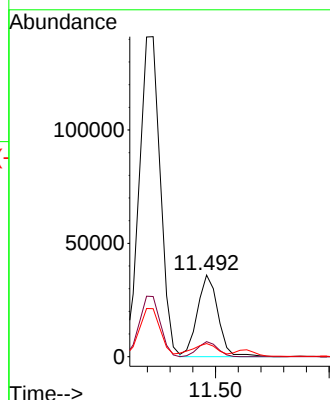
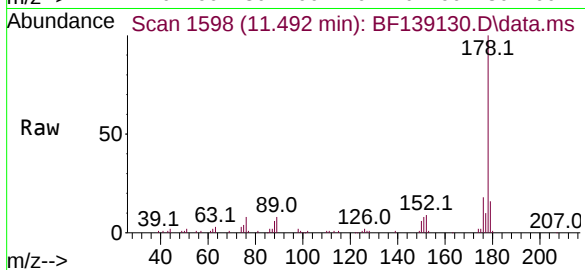
Tgt Ion:178 Resp: 45437

Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.4

179 16.1 12.4 18.6



#73

Carbazole

Concen: 2.254 ng

RT: 11.645 min Scan# 1624

Delta R.T. -0.006 min

Lab File: BF139130.D

Acq: 22 Aug 2024 18:50

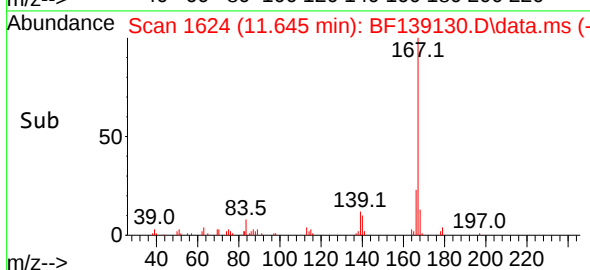
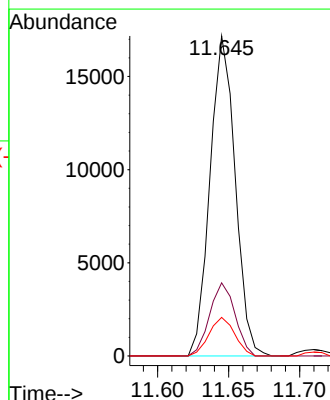
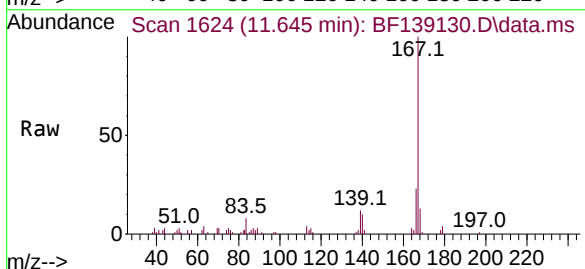
Tgt Ion:167 Resp: 21136

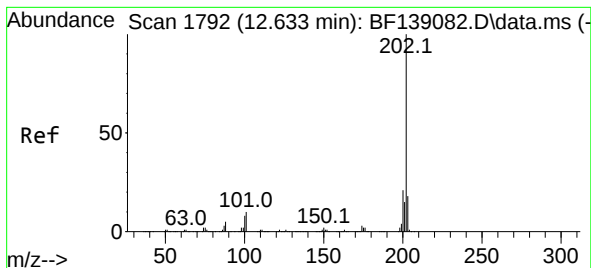
Ion Ratio Lower Upper

167 100

166 22.8 17.3 25.9

139 12.0 10.5 15.7





#75

Fluoranthene

Concen: 25.776 ng

RT: 12.633 min Scan# 1792

Delta R.T. -0.000 min

Lab File: BF139130.D

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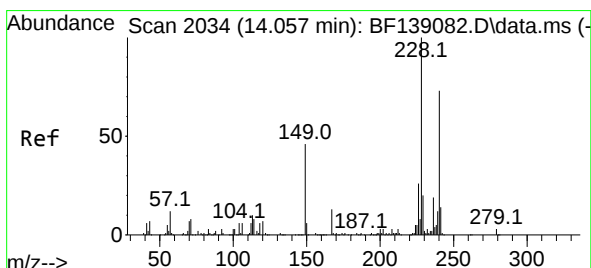
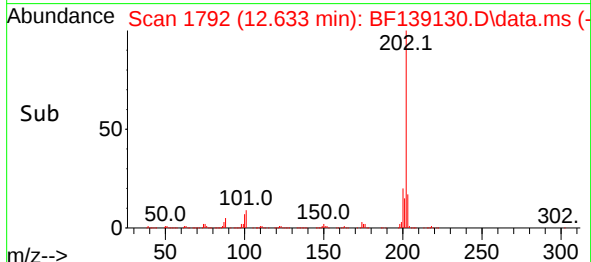
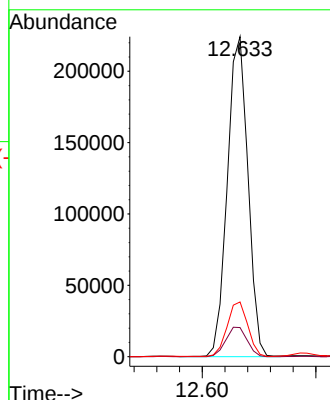
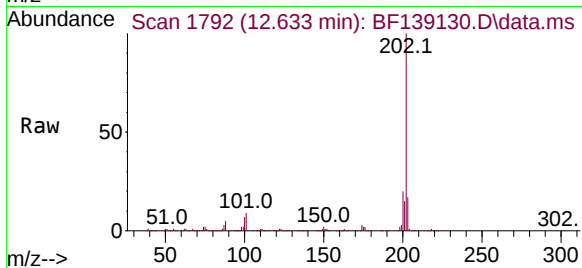
Tgt Ion:202 Resp: 282521

Ion Ratio Lower Upper

202 100

101 9.1 0.0 30.2

203 17.1 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF139130.D

Acq: 22 Aug 2024 18:50

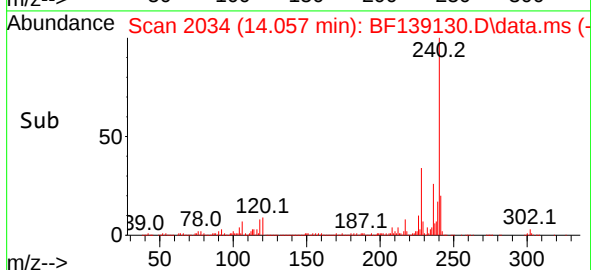
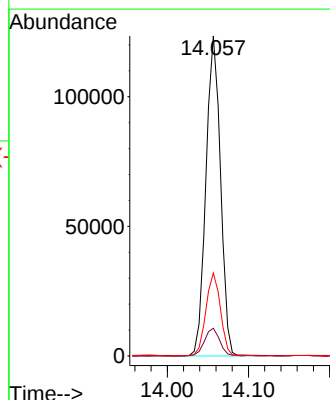
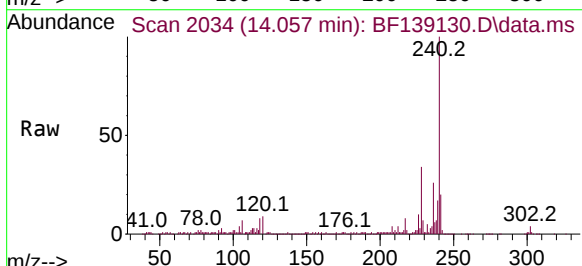
Tgt Ion:240 Resp: 153592

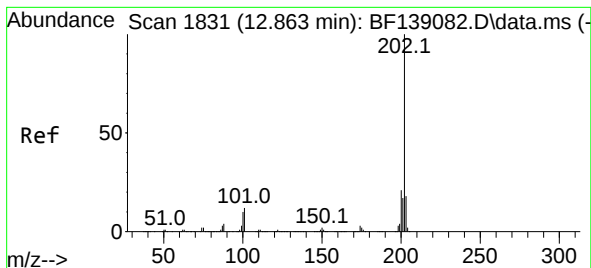
Ion Ratio Lower Upper

240 100

120 8.6 7.8 11.6

236 25.9 20.9 31.3





#78

Pyrene

Concen: 17.579 ng

RT: 12.863 min Scan# 1831

Delta R.T. -0.000 min

Lab File: BF139130.D

Acq: 22 Aug 2024 18:50

Instrument :

BNA_F

ClientSampleId :

S-902-J-0-0.5-081624DL

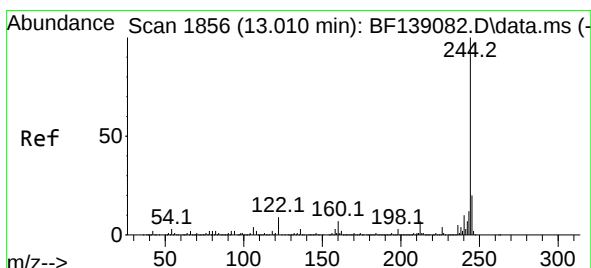
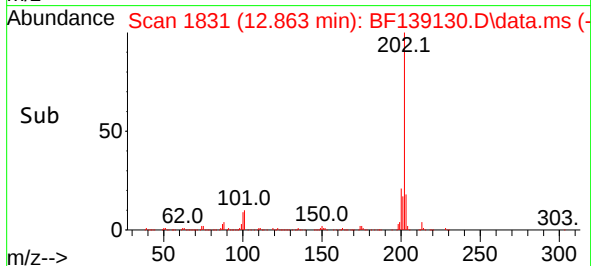
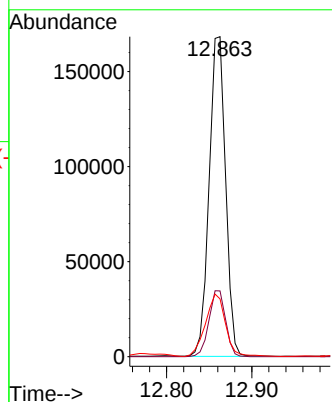
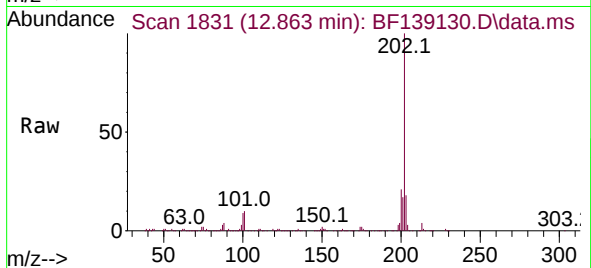
Tgt Ion:202 Resp: 225314

Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.6

203 18.0 14.1 21.1



#79

Terphenyl-d14

Concen: 8.569 ng

RT: 13.004 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BF139130.D

Acq: 22 Aug 2024 18:50

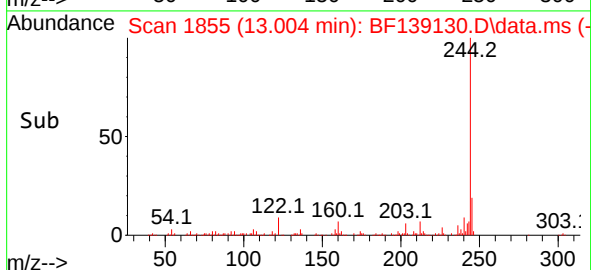
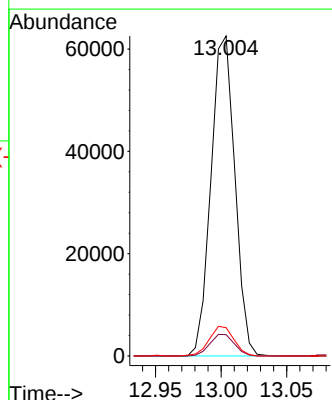
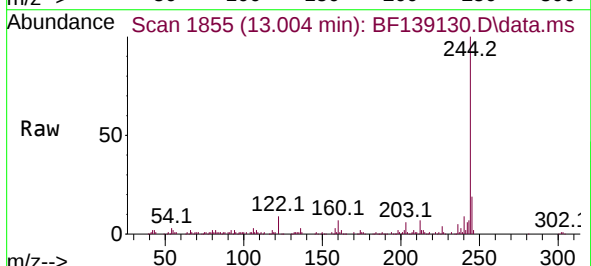
Tgt Ion:244 Resp: 79317

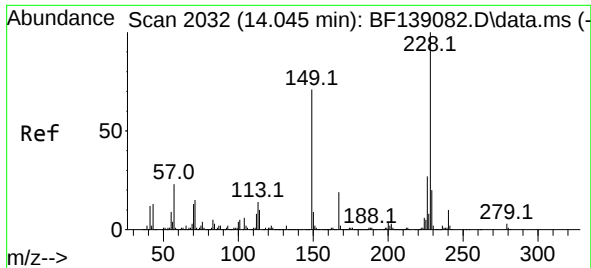
Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.6

122 8.9 7.6 11.4

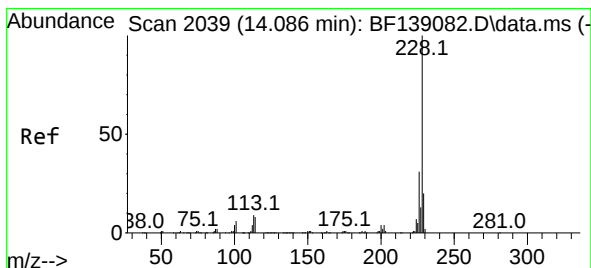
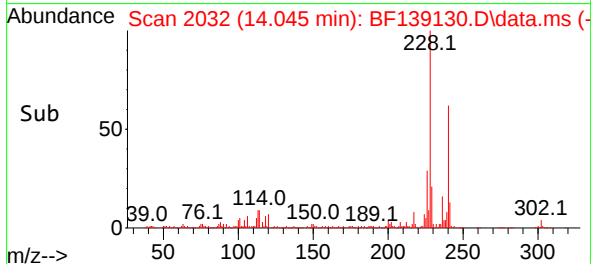
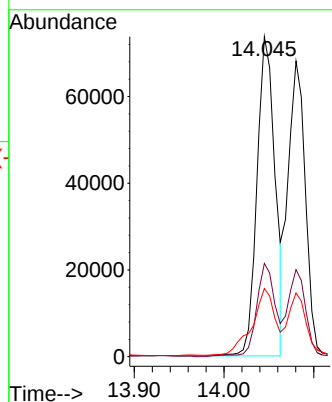
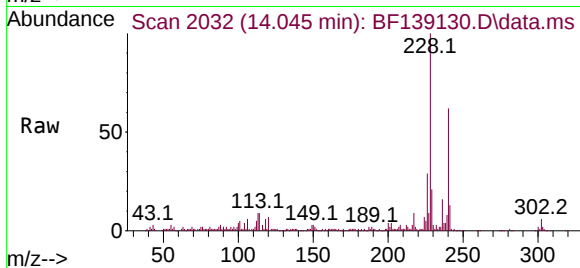




#81
Benzo(a)anthracene
Concen: 10.244 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139130.D
Acq: 22 Aug 2024 18:50

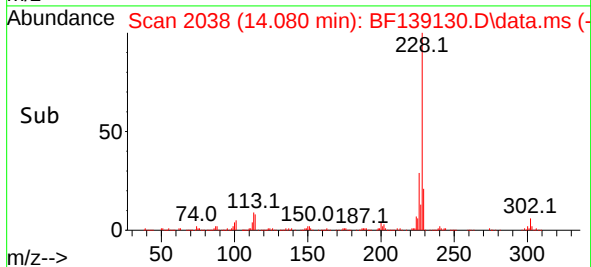
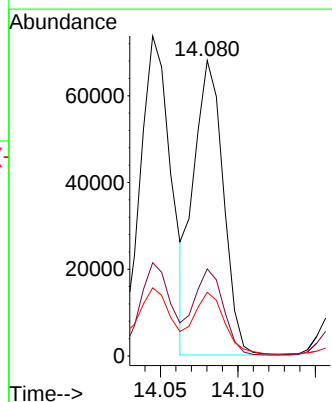
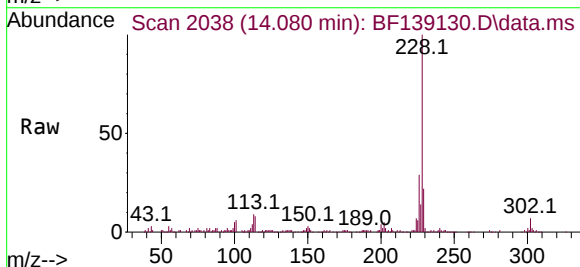
Instrument :
BNA_F
ClientSampleId :
S-902-J-0-0.5-081624DL

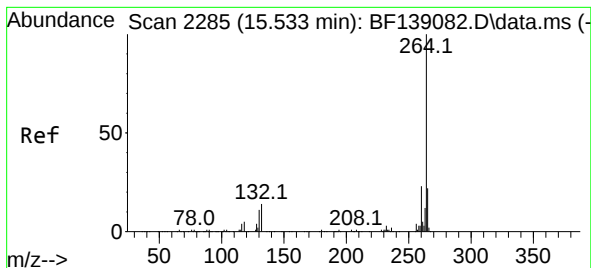
Tgt Ion:228 Resp: 103430
Ion Ratio Lower Upper
228 100
226 29.2 21.9 32.9
229 21.3 16.1 24.1



#83
Chrysene
Concen: 9.902 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF139130.D
Acq: 22 Aug 2024 18:50

Tgt Ion:228 Resp: 90616
Ion Ratio Lower Upper
228 100
226 29.5 24.3 36.5
229 21.6 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139130.D

Acq: 22 Aug 2024 18:50

Instrument :

BNA_F

ClientSampleId :

S-902-J-0-0.5-081624DL

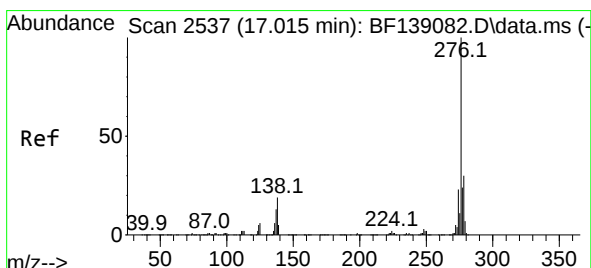
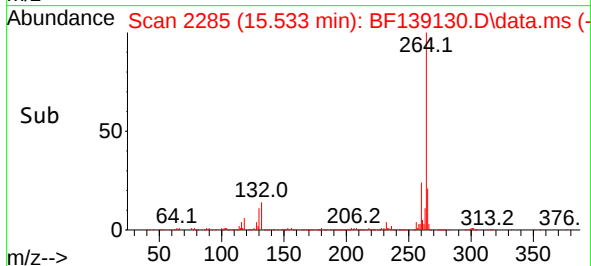
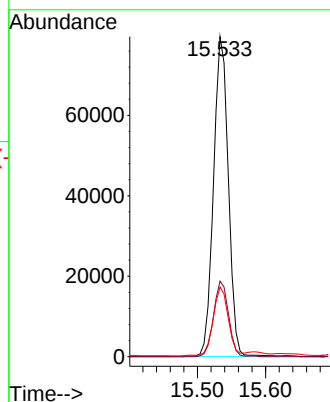
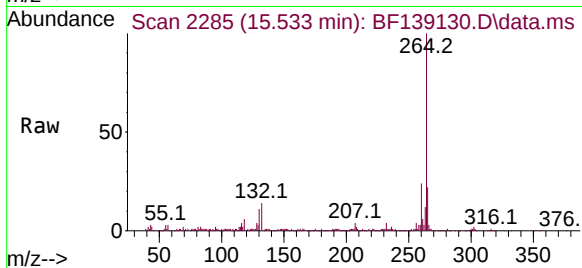
Tgt Ion:264 Resp: 120624

Ion Ratio Lower Upper

264 100

260 23.6 18.6 27.8

265 21.8 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.031 ng

RT: 17.009 min Scan# 2536

Delta R.T. -0.006 min

Lab File: BF139130.D

Acq: 22 Aug 2024 18:50

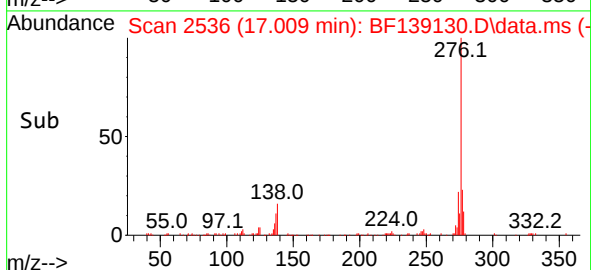
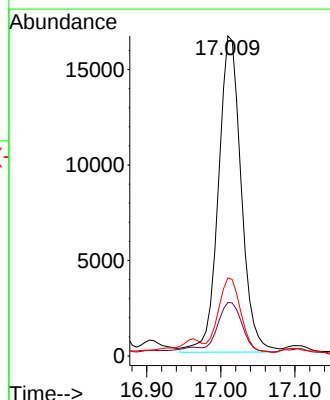
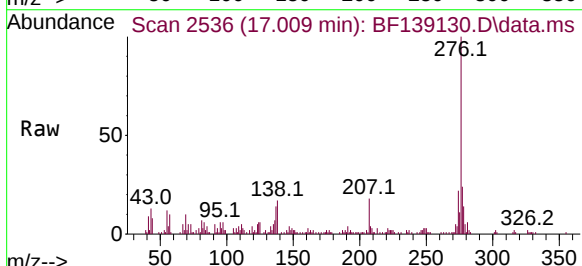
Tgt Ion:276 Resp: 35514

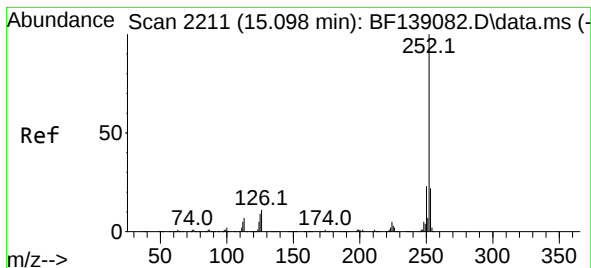
Ion Ratio Lower Upper

276 100

138 17.4 17.3 25.9

277 23.2 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 11.029 ng m

RT: 15.104 min Scan# 2212

Delta R.T. 0.006 min

Lab File: BF139130.D

Acq: 22 Aug 2024 18:50

Instrument :

BNA_F

ClientSampleId :

S-902-J-0-0.5-081624DL

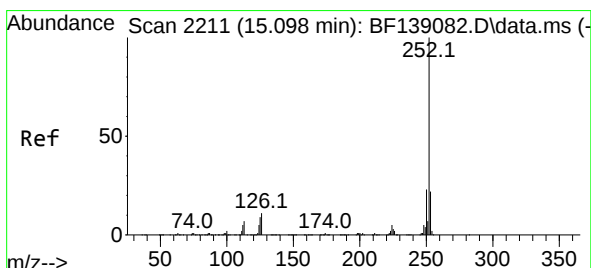
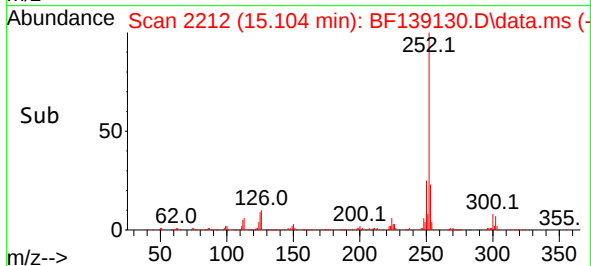
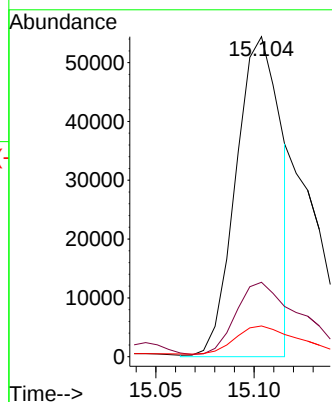
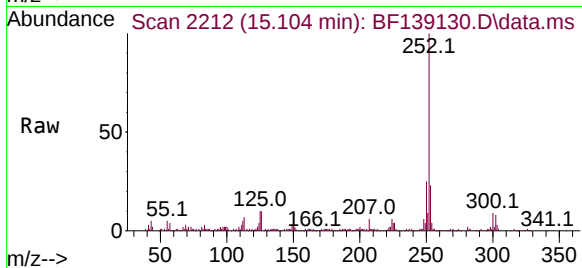
Tgt Ion:252 Resp: 86734

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.2

125 9.6 7.0 10.6



#89

Benzo(k)fluoranthene

Concen: 5.374 ng m

RT: 15.115 min Scan# 2214

Delta R.T. -0.018 min

Lab File: BF139130.D

Acq: 22 Aug 2024 18:50

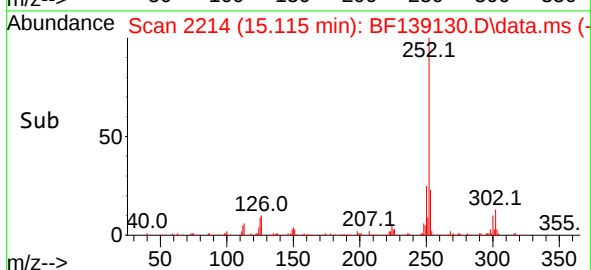
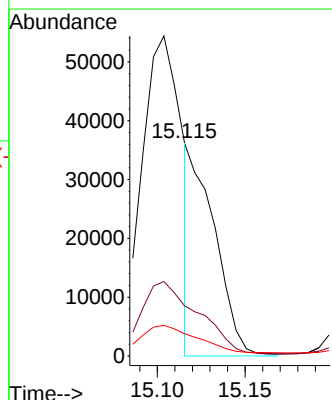
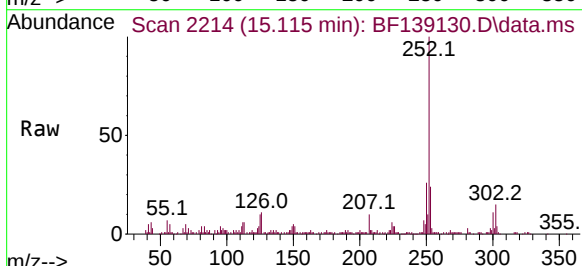
Tgt Ion:252 Resp: 35200

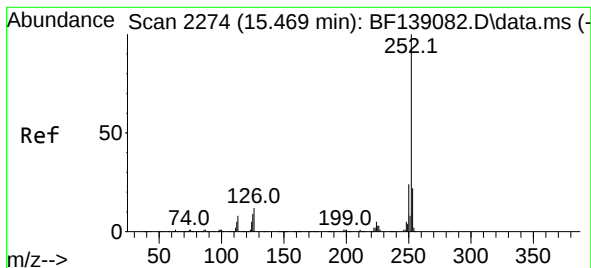
Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.2

125 10.5 7.0 10.6





#90

Benzo(a)pyrene

Concen: 9.862 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139130.D

Acq: 22 Aug 2024 18:50

Instrument :

BNA_F

ClientSampleId :

S-902-J-0-0.5-081624DL

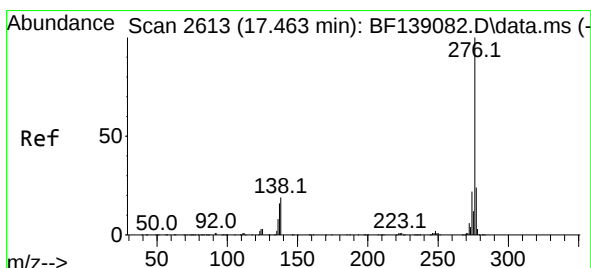
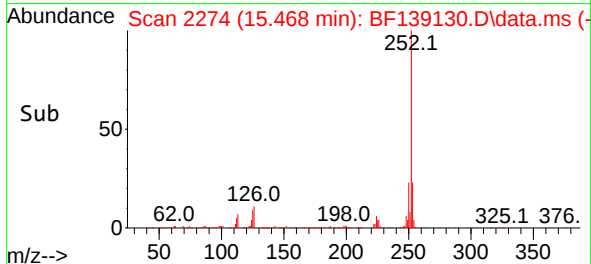
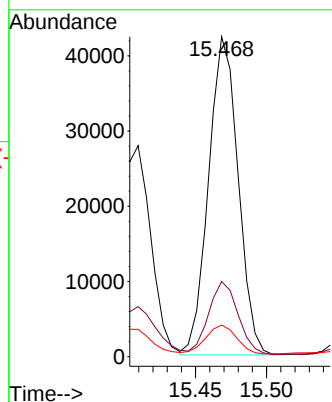
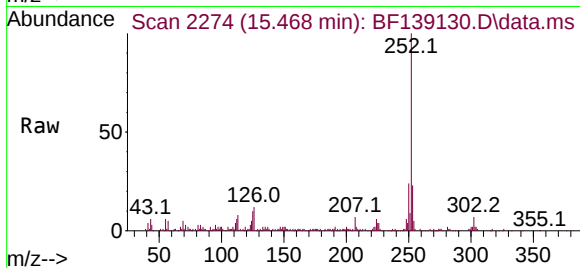
Tgt Ion:252 Resp: 61283

Ion Ratio Lower Upper

252 100

253 23.5 17.3 25.9

125 9.9 7.4 11.2



#92

Benzo(g,h,i)perylene

Concen: 7.600 ng

RT: 17.456 min Scan# 2612

Delta R.T. -0.007 min

Lab File: BF139130.D

Acq: 22 Aug 2024 18:50

Tgt Ion:276 Resp: 33784

Ion Ratio Lower Upper

276 100

277 23.0 18.8 28.2

138 16.7 15.0 22.4

