

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
 Data File : BF139132.D
 Acq On : 22 Aug 2024 19:50
 Operator : RC/JU
 Sample : P3663-10DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 915-J-SD-0.5-1-081624DL

Quant Time: Aug 23 00:36:20 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)

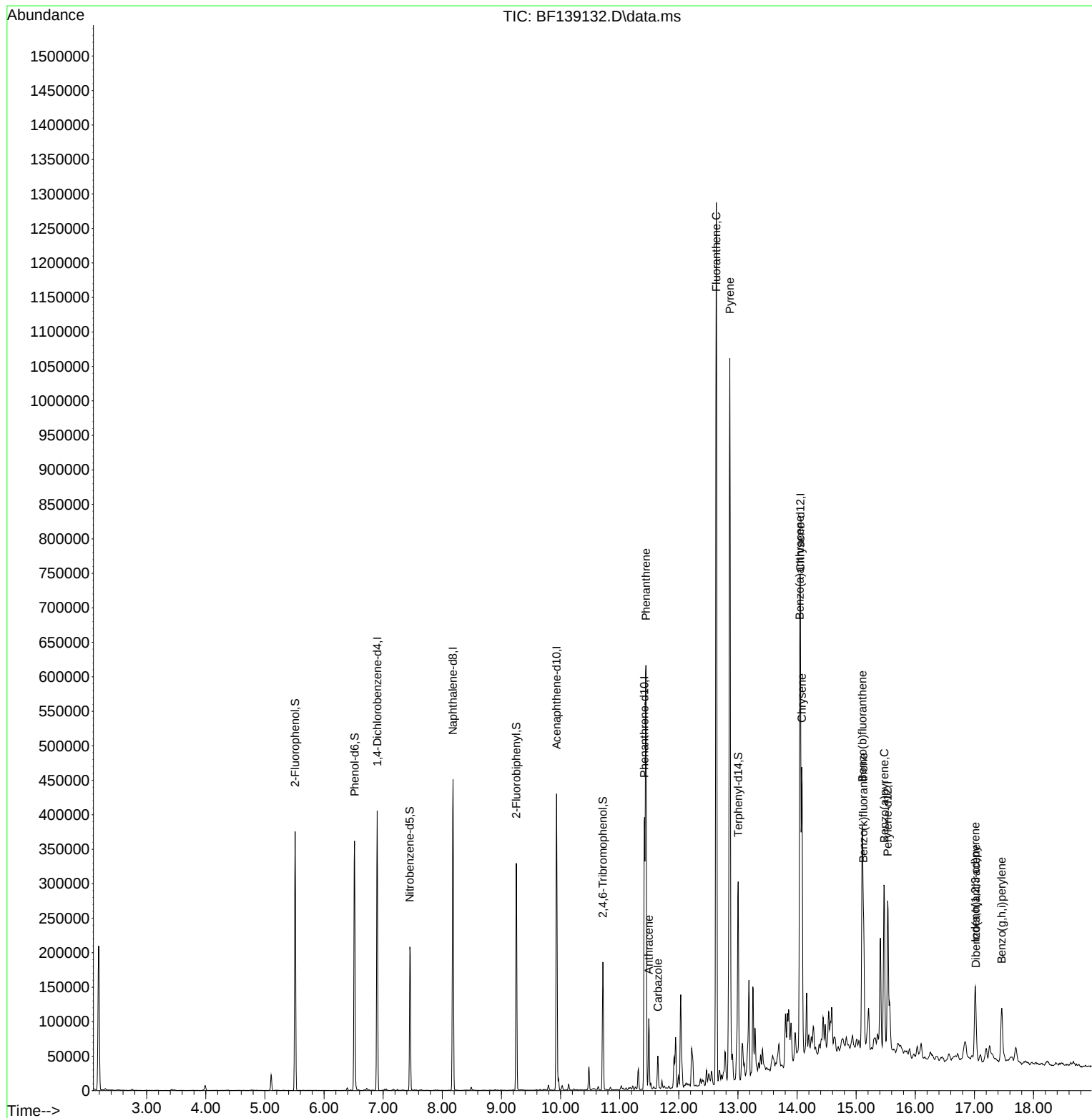
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	76169	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	254689	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	119411	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	201529	20.000	ng	0.00
76) Chrysene-d12	14.057	240	153727	20.000	ng	0.00
86) Perylene-d12	15.533	264	120705	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	120452	24.330	ng	0.00
7) Phenol-d6	6.516	99	149280	23.336	ng	0.00
23) Nitrobenzene-d5	7.451	82	88250	20.191	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	26290	24.320	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	133249	17.705	ng	0.00
79) Terphenyl-d14	13.004	244	128353	13.854	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	324082	31.638	ng	99
72) Anthracene	11.492	178	55808	5.571	ng	100
73) Carbazole	11.645	167	24323	2.600	ng	99
75) Fluoranthene	12.633	202	693628	63.444	ng	100
78) Pyrene	12.863	202	567230	44.215	ng	99
81) Benzo(a)anthracene	14.045	228	240633	23.812	ng	98
83) Chrysene	14.080	228	220054	24.024	ng	98
87) Indeno(1,2,3-cd)pyrene	17.015	276	81208	11.495	ng	96
88) Benzo(b)fluoranthene	15.104	252	227072m	28.856	ng	
89) Benzo(k)fluoranthene	15.121	252	67283m	10.266	ng	
90) Benzo(a)pyrene	15.474	252	146276	23.525	ng	98
91) Dibenzo(a,h)anthracene	17.027	278	17170	2.961	ng	92
92) Benzo(g,h,i)perylene	17.462	276	72079	13.040	ng	98

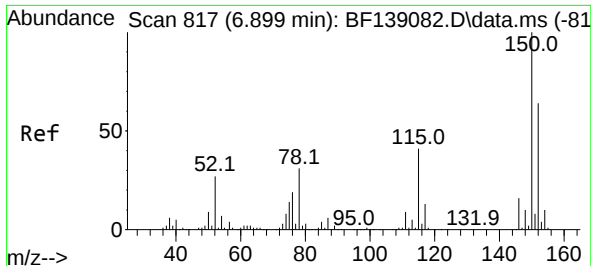
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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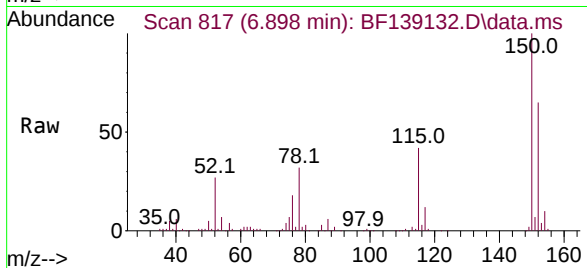
Quant Time: Aug 23 00:36:20 2024
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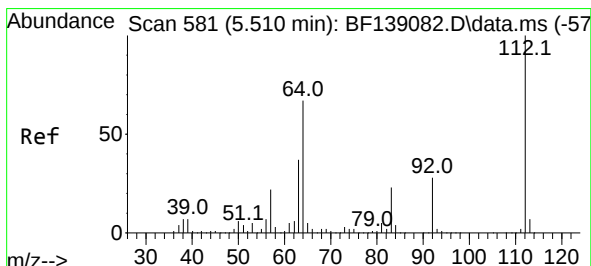
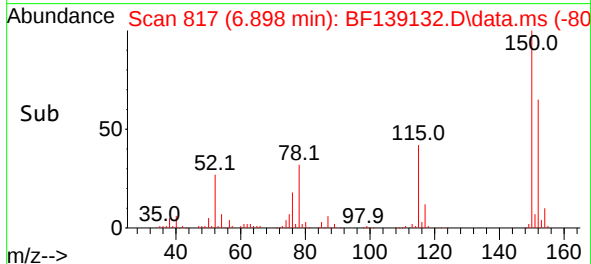
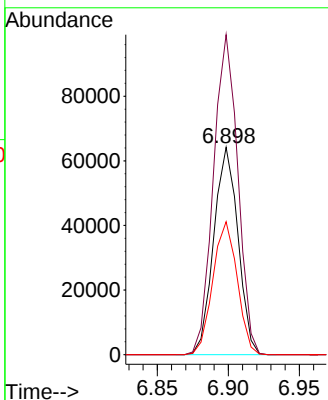


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 817
Delta R.T. -0.001 min
Lab File: BF139132.D
Acq: 22 Aug 2024 19:50

Instrument :
BNA_F
ClientSampleId :
915-J-SD-0.5-1-081624DL

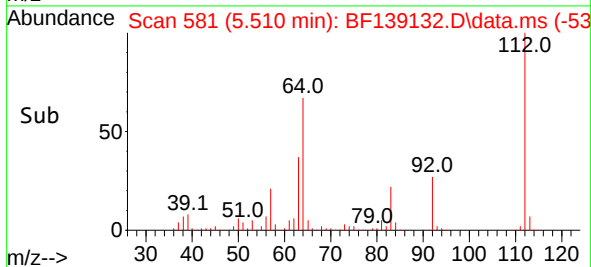
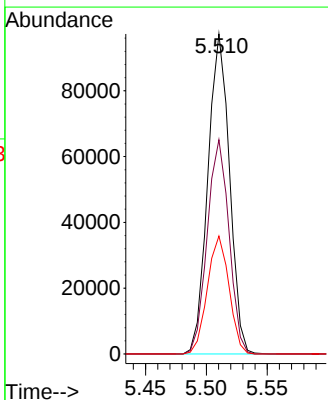
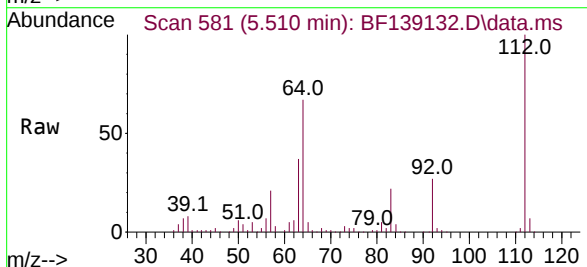


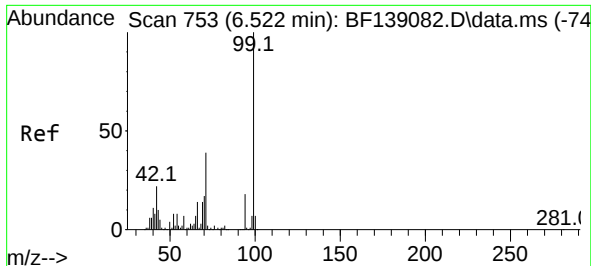
Tgt Ion:152 Resp: 76169
Ion Ratio Lower Upper
152 100
150 154.3 125.1 187.7
115 64.1 51.8 77.6



#5
2-Fluorophenol
Concen: 24.330 ng
RT: 5.510 min Scan# 581
Delta R.T. -0.000 min
Lab File: BF139132.D
Acq: 22 Aug 2024 19:50

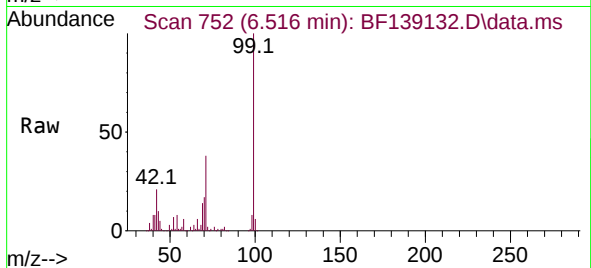
Tgt Ion:112 Resp: 120452
Ion Ratio Lower Upper
112 100
64 67.0 53.8 80.6
63 36.9 29.4 44.2



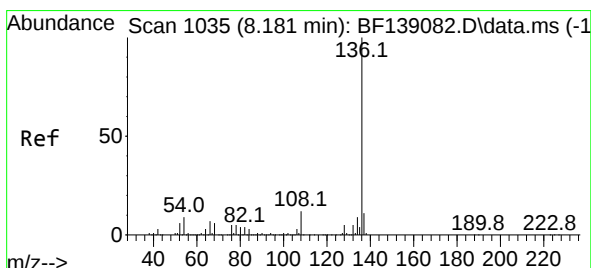
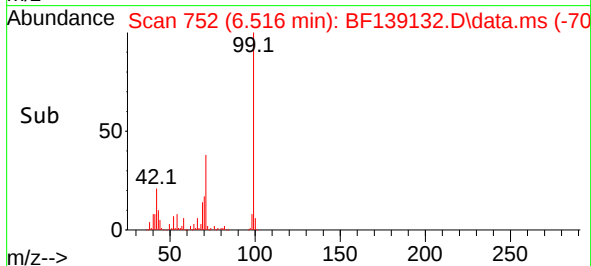
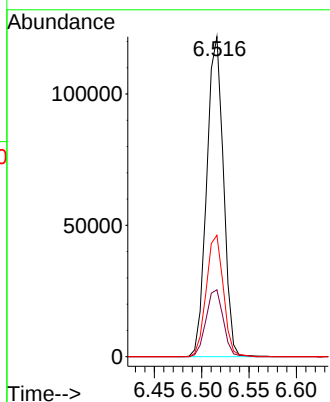


#7
Phenol-d6
Concen: 23.336 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139132.D
Acq: 22 Aug 2024 19:50

Instrument :
BNA_F
ClientSampleId :
915-J-SD-0.5-1-081624DL

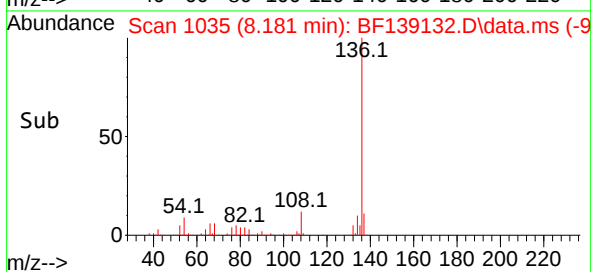
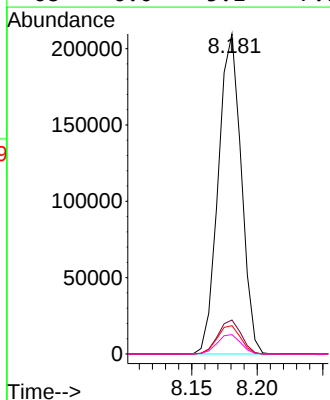
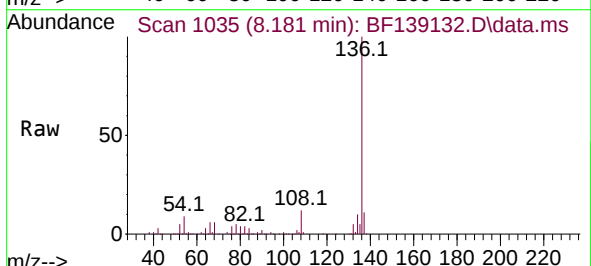


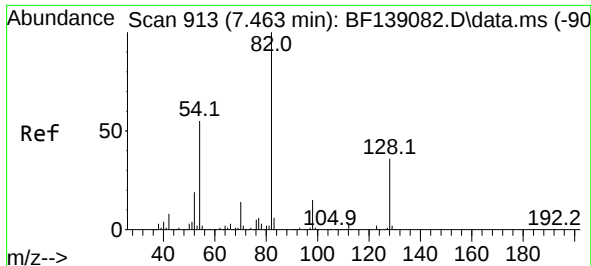
Tgt Ion: 99 Resp: 149280
Ion Ratio Lower Upper
99 100
42 20.9 17.4 26.2
71 37.9 31.2 46.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139132.D
Acq: 22 Aug 2024 19:50

Tgt Ion: 136 Resp: 254689
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 8.8 7.6 11.4
68 6.0 5.1 7.7





#23

Nitrobenzene-d5

Concen: 20.191 ng

RT: 7.451 min Scan# 913

Delta R.T. -0.012 min

Lab File: BF139132.D

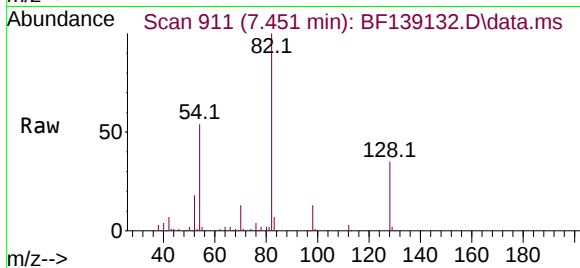
Acq: 22 Aug 2024 19:50

Instrument :

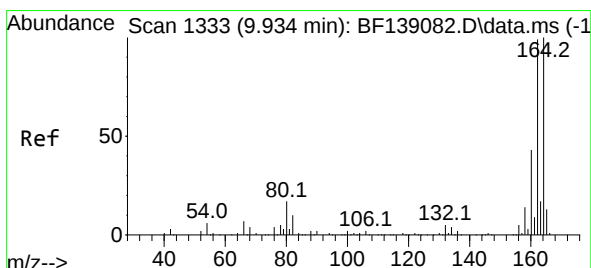
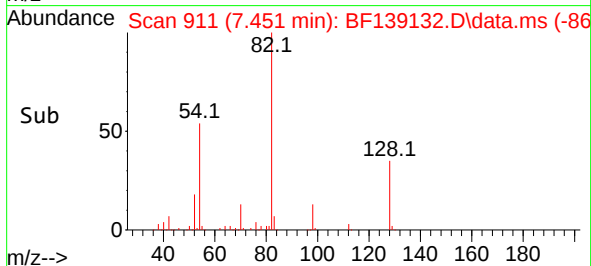
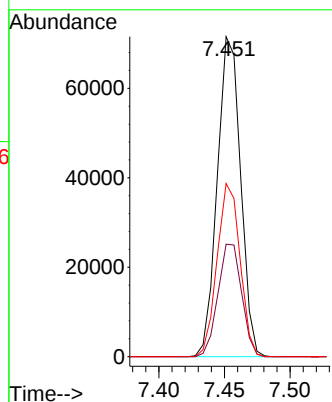
BNA_F

ClientSampleId :

915-J-SD-0.5-1-081624DL



Tgt Ion:	82	Resp:	88250
Ion	Ratio	Lower	Upper
82	100		
128	35.2	29.0	43.4
54	54.1	43.4	65.2



#39

Acenaphthene-d10

Concen: 20.000 ng

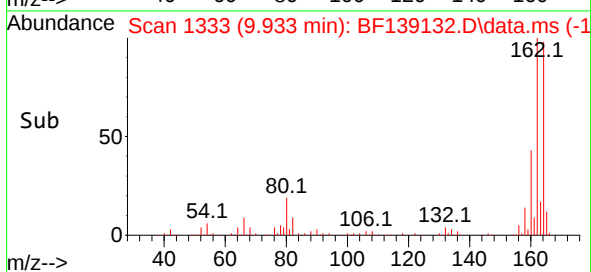
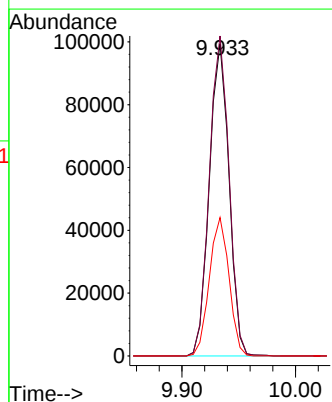
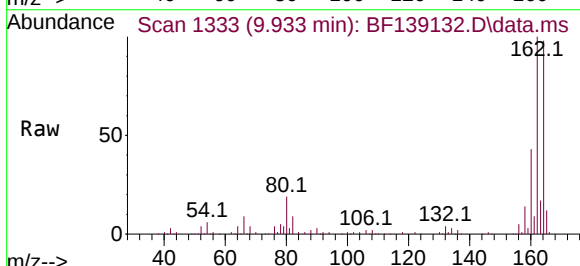
RT: 9.933 min Scan# 1333

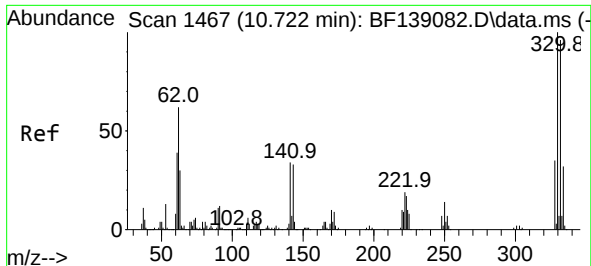
Delta R.T. -0.001 min

Lab File: BF139132.D

Acq: 22 Aug 2024 19:50

Tgt Ion:	164	Resp:	119411
Ion	Ratio	Lower	Upper
164	100		
162	102.5	79.5	119.3
160	44.3	34.5	51.7





#42

2,4,6-Tribromophenol

Concen: 24.320 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF139132.D

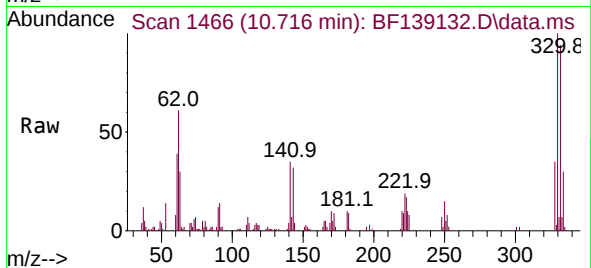
Acq: 22 Aug 2024 19:50

Instrument :

BNA_F

ClientSampleId :

915-J-SD-0.5-1-081624DL



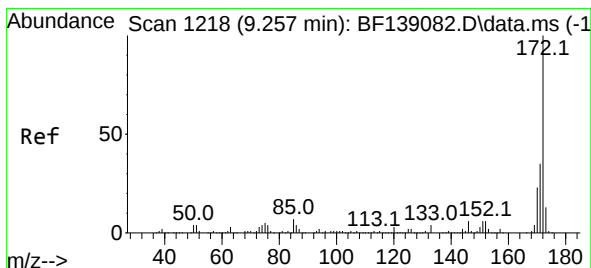
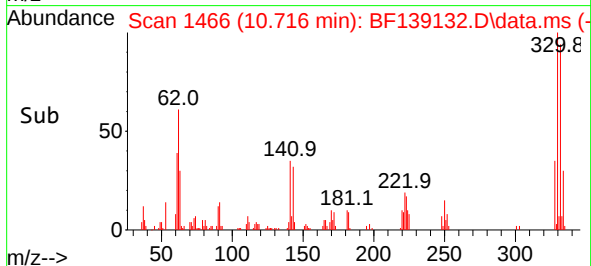
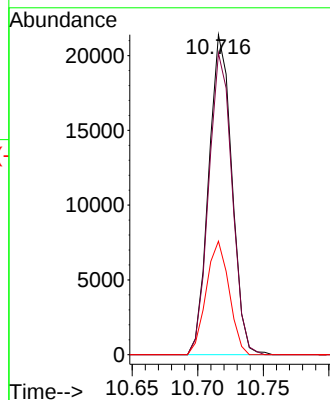
Tgt Ion:330 Resp: 26290

Ion Ratio Lower Upper

330 100

332 94.8 77.0 115.6

141 35.0 27.5 41.3



#45

2-Fluorobiphenyl

Concen: 17.705 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF139132.D

Acq: 22 Aug 2024 19:50

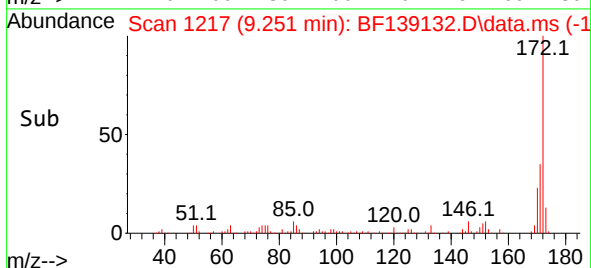
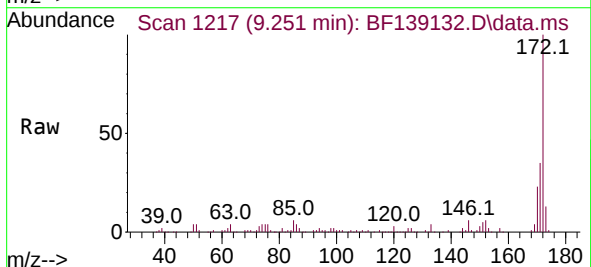
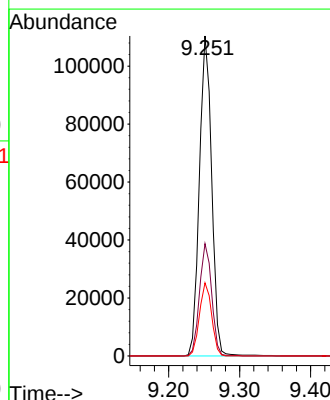
Tgt Ion:172 Resp: 133249

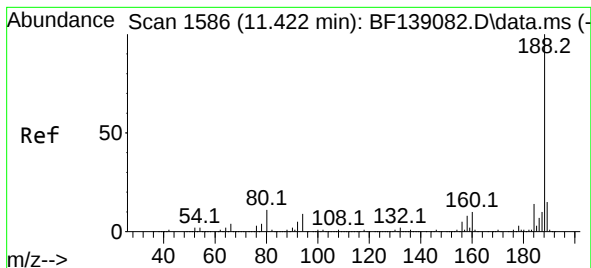
Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

170 22.9 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: BF139132.D

Acq: 22 Aug 2024 19:50

Instrument :

BNA_F

ClientSampleId :

915-J-SD-0.5-1-081624DL

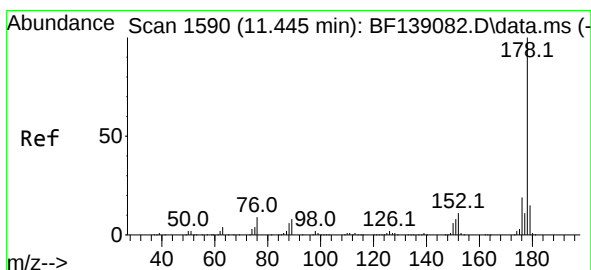
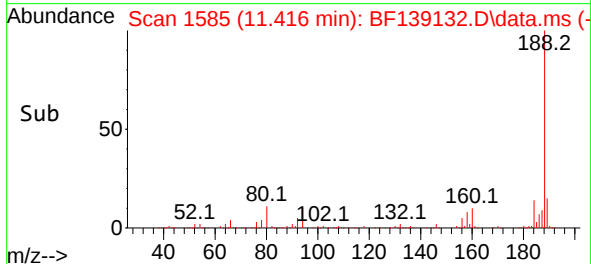
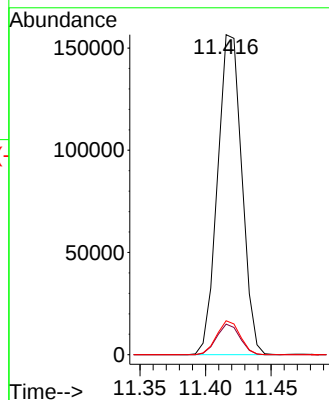
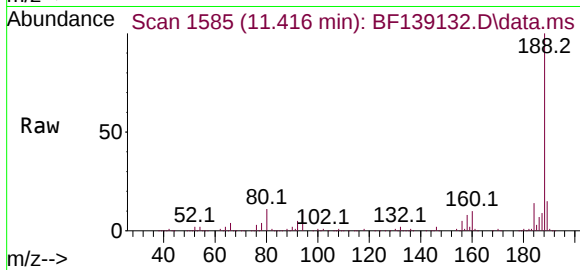
Tgt Ion:188 Resp: 201529

Ion Ratio Lower Upper

188 100

94 9.5 7.2 10.8

80 10.6 8.5 12.7



#71

Phenanthrene

Concen: 31.638 ng

RT: 11.445 min Scan# 1590

Delta R.T. -0.000 min

Lab File: BF139132.D

Acq: 22 Aug 2024 19:50

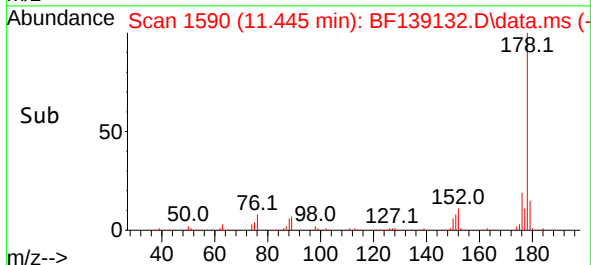
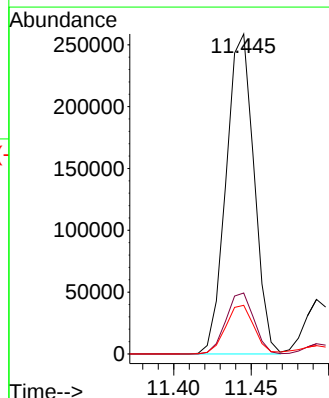
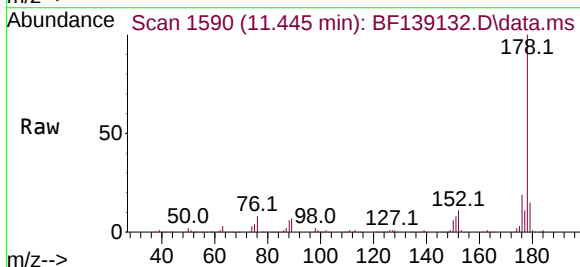
Tgt Ion:178 Resp: 324082

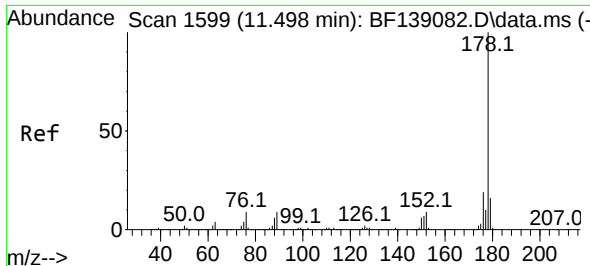
Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.2 12.3 18.5

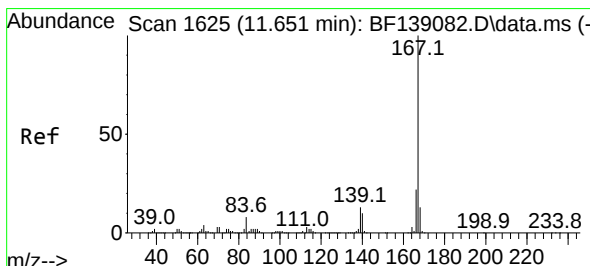
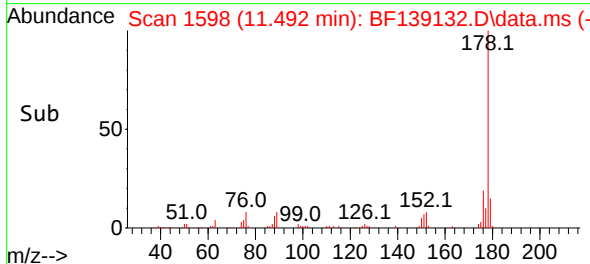
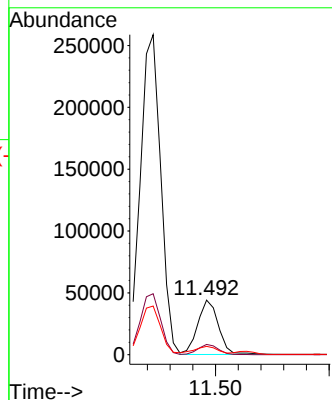
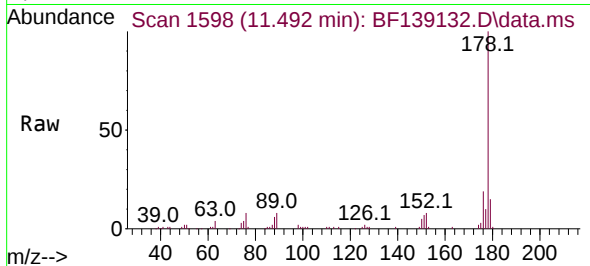




#72
 Anthracene
 Concen: 5.571 ng
 RT: 11.492 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF139132.D
 Acq: 22 Aug 2024 19:50

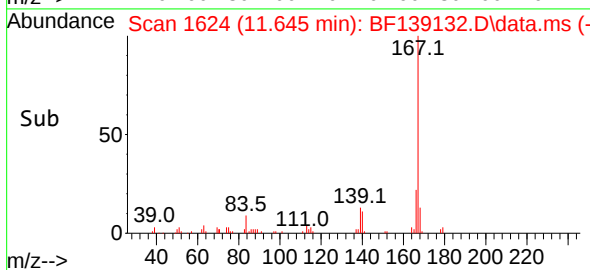
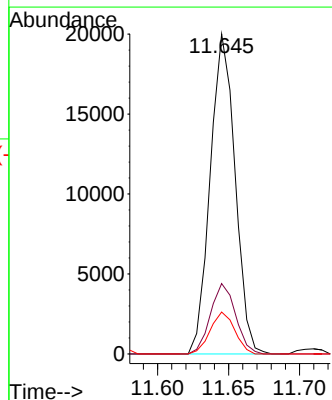
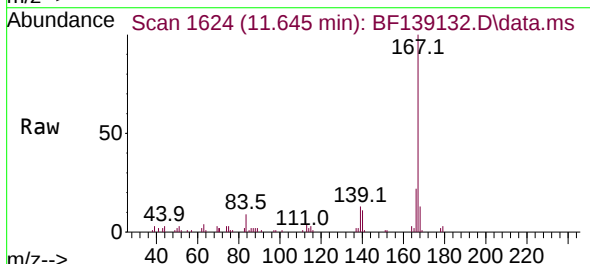
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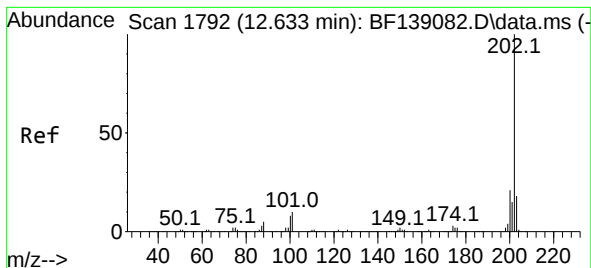
Tgt Ion:178 Resp: 55808
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.0 22.4
 179 15.2 12.4 18.6



#73
 Carbazole
 Concen: 2.600 ng
 RT: 11.645 min Scan# 1624
 Delta R.T. -0.006 min
 Lab File: BF139132.D
 Acq: 22 Aug 2024 19:50

Tgt Ion:167 Resp: 24323
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.3 25.9
 139 13.1 10.5 15.7





#75

Fluoranthene

Concen: 63.444 ng

RT: 12.633 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF139132.D

Acq: 22 Aug 2024 19:50

Instrument :

BNA_F

ClientSampleId :

915-J-SD-0.5-1-081624DL

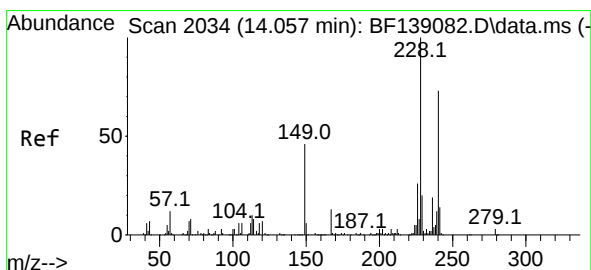
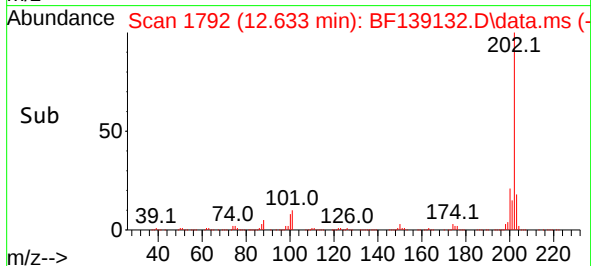
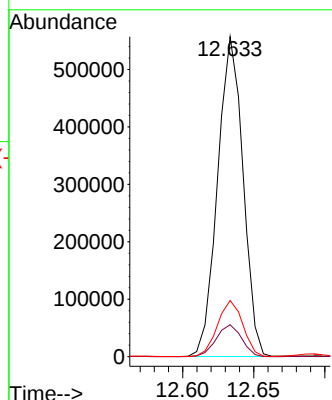
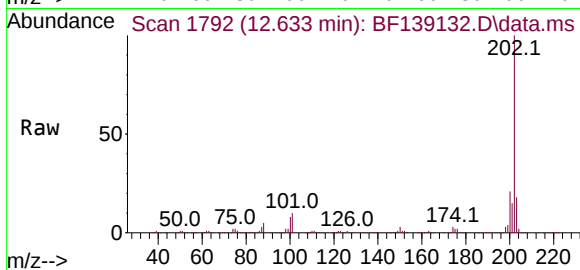
Tgt Ion:202 Resp: 693628

Ion Ratio Lower Upper

202 100

101 10.0 0.0 30.2

203 17.6 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: BF139132.D

Acq: 22 Aug 2024 19:50

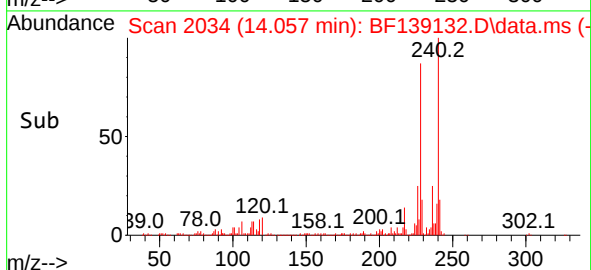
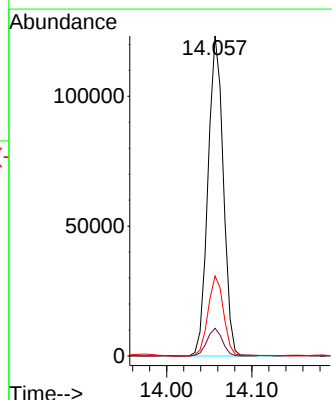
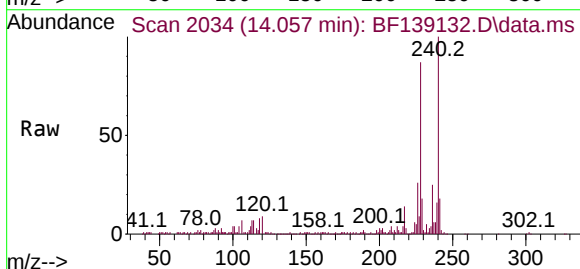
Tgt Ion:240 Resp: 153727

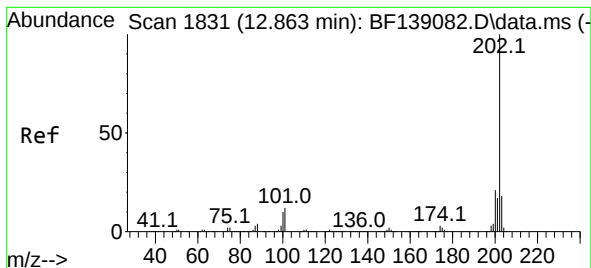
Ion Ratio Lower Upper

240 100

120 8.6 7.8 11.6

236 25.0 20.9 31.3





#78

Pyrene

Concen: 44.215 ng

RT: 12.863 min Scan# 1831

Delta R.T. -0.000 min

Lab File: BF139132.D

Acq: 22 Aug 2024 19:50

Instrument :

BNA_F

ClientSampleId :

915-J-SD-0.5-1-081624DL

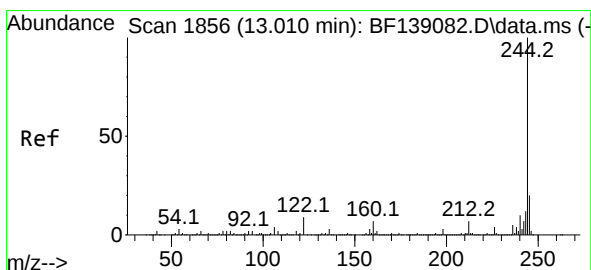
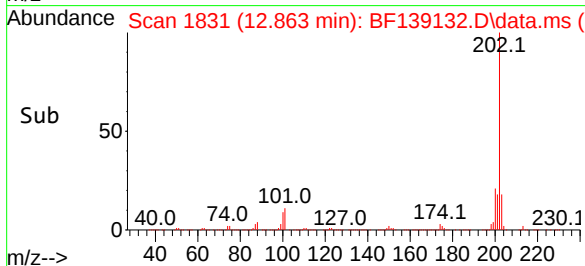
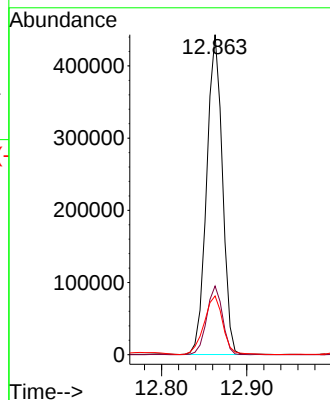
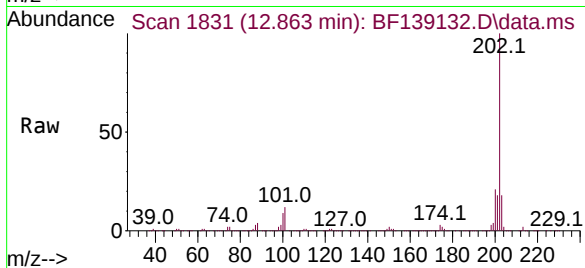
Tgt Ion:202 Resp: 567230

Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.6

203 18.4 14.1 21.1



#79

Terphenyl-d14

Concen: 13.854 ng

RT: 13.004 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BF139132.D

Acq: 22 Aug 2024 19:50

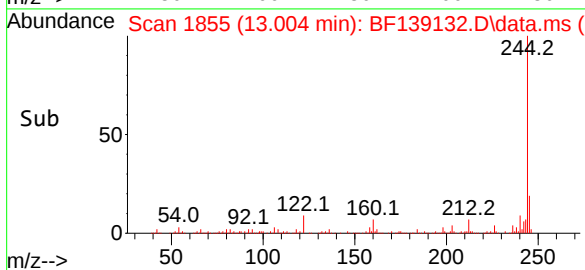
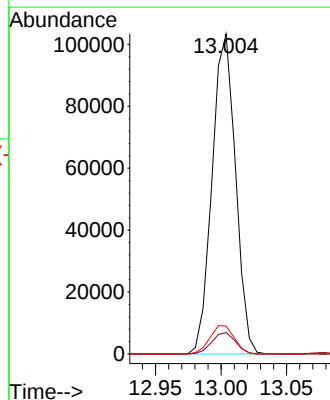
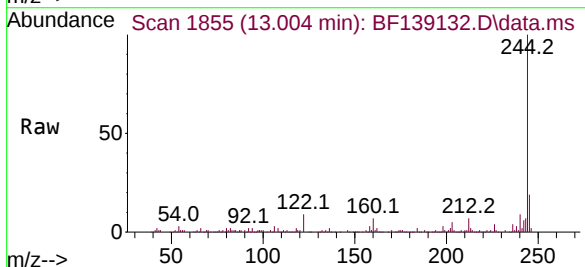
Tgt Ion:244 Resp: 128353

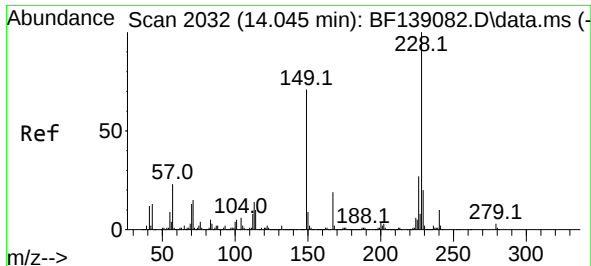
Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

122 8.8 7.6 11.4

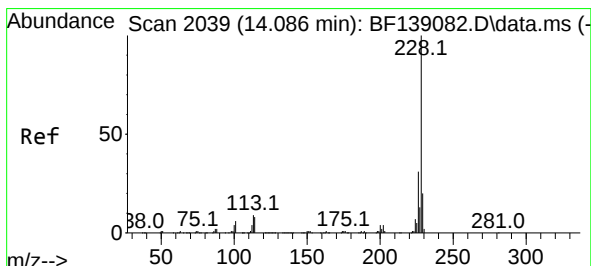
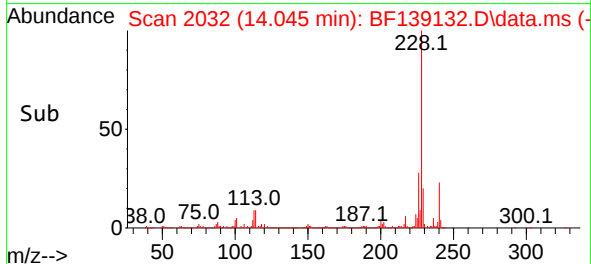
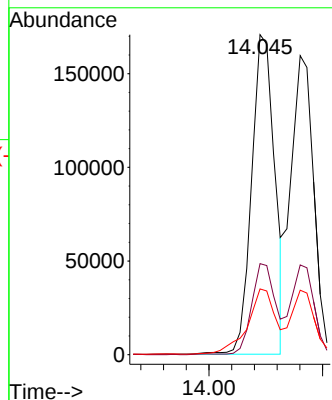
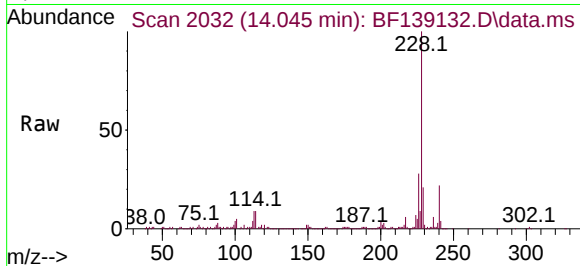




#81
Benzo(a)anthracene
Concen: 23.812 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139132.D
Acq: 22 Aug 2024 19:50

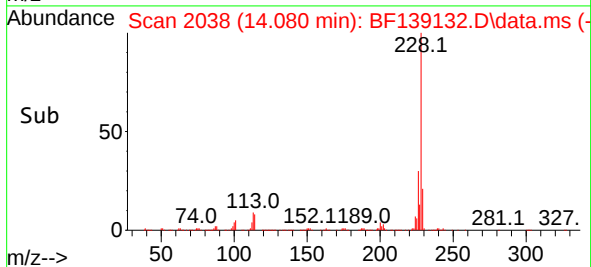
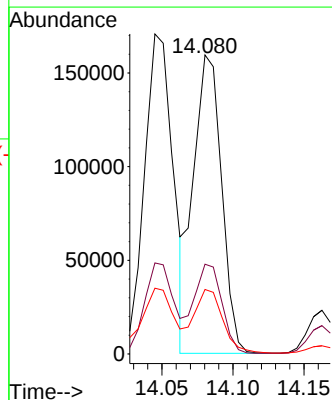
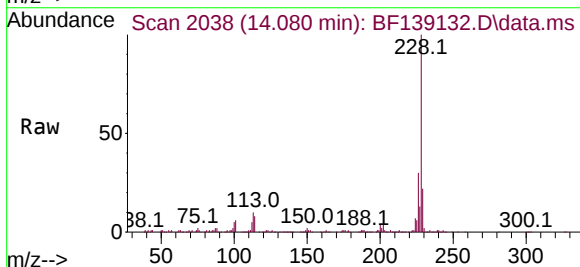
Instrument :
BNA_F
ClientSampleId :
915-J-SD-0.5-1-081624DL

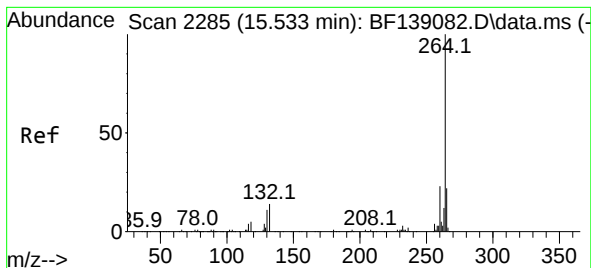
Tgt Ion:228 Resp: 240633
Ion Ratio Lower Upper
228 100
226 28.5 21.9 32.9
229 20.6 16.1 24.1



#83
Chrysene
Concen: 24.024 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF139132.D
Acq: 22 Aug 2024 19:50

Tgt Ion:228 Resp: 220054
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 21.5 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: BF139132.D

Acq: 22 Aug 2024 19:50

Instrument :

BNA_F

ClientSampleId :

915-J-SD-0.5-1-081624DL

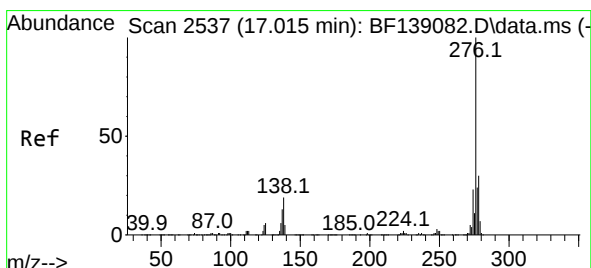
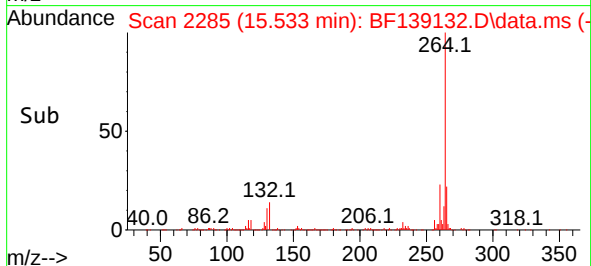
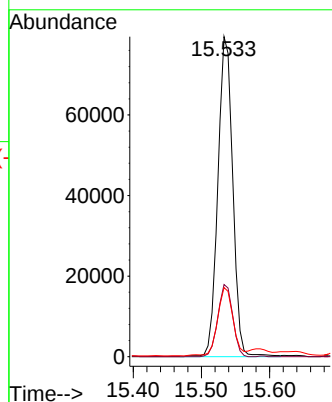
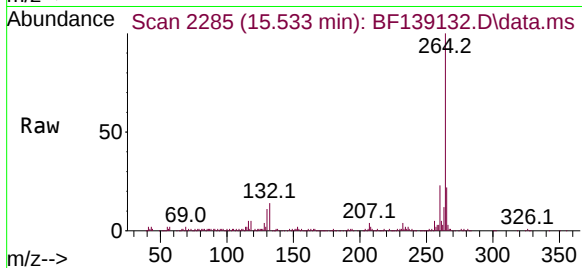
Tgt Ion:264 Resp: 120705

Ion Ratio Lower Upper

264 100

260 22.6 18.6 27.8

265 21.6 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.495 ng

RT: 17.015 min Scan# 2537

Delta R.T. -0.000 min

Lab File: BF139132.D

Acq: 22 Aug 2024 19:50

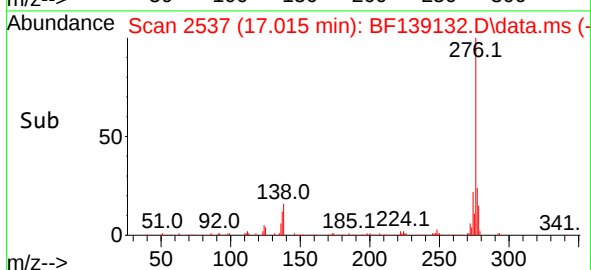
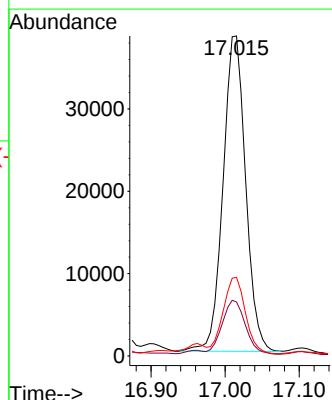
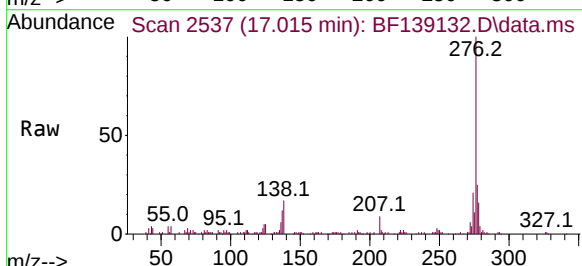
Tgt Ion:276 Resp: 81208

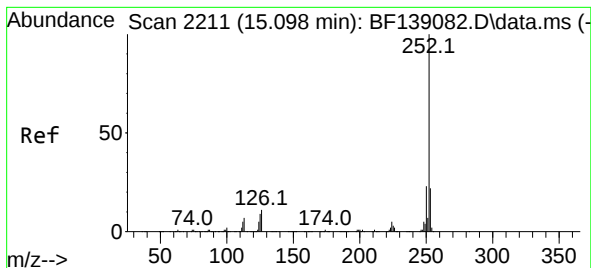
Ion Ratio Lower Upper

276 100

138 19.0 17.3 25.9

277 23.9 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 28.856 ng m

RT: 15.104 min Scan# 2212

Delta R.T. 0.006 min

Lab File: BF139132.D

Acq: 22 Aug 2024 19:50

Instrument :

BNA_F

ClientSampleId :

915-J-SD-0.5-1-081624DL

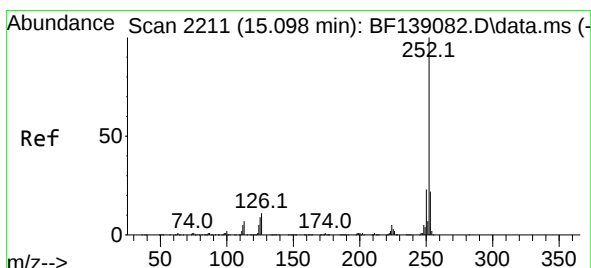
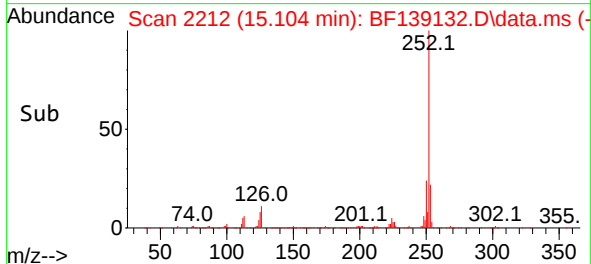
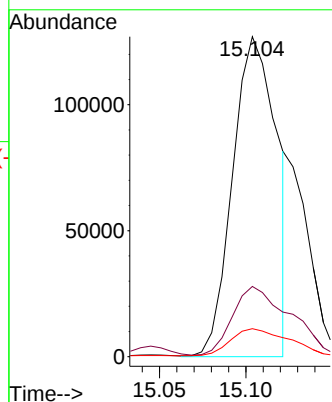
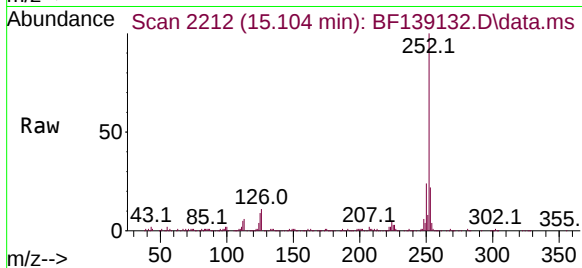
Tgt Ion:252 Resp: 227072

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 8.7 7.0 10.6



#89

Benzo(k)fluoranthene

Concen: 10.266 ng m

RT: 15.121 min Scan# 2215

Delta R.T. -0.012 min

Lab File: BF139132.D

Acq: 22 Aug 2024 19:50

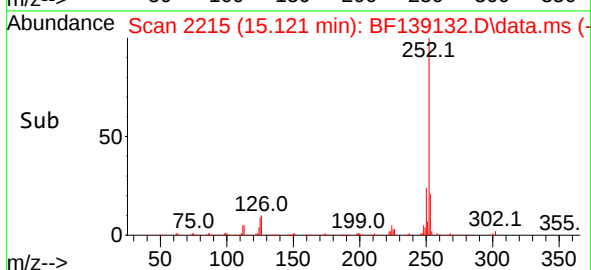
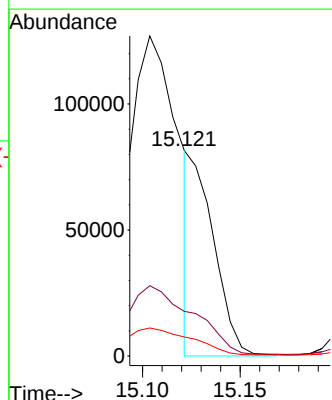
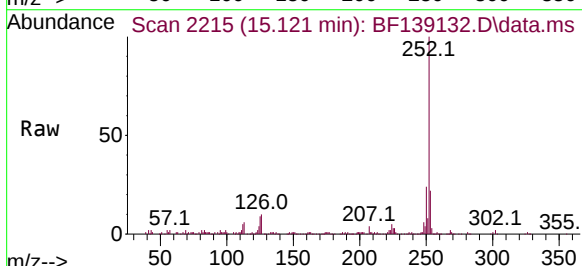
Tgt Ion:252 Resp: 67283

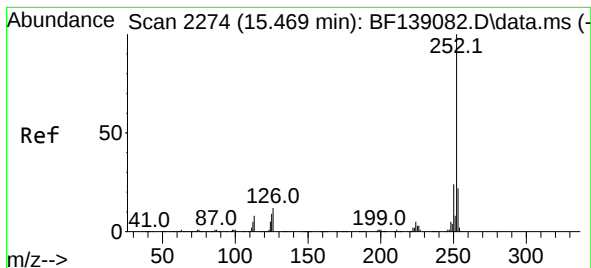
Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

125 9.2 7.0 10.6





#90

Benzo(a)pyrene

Concen: 23.525 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139132.D

Acq: 22 Aug 2024 19:50

Instrument :

BNA_F

ClientSampleId :

915-J-SD-0.5-1-081624DL

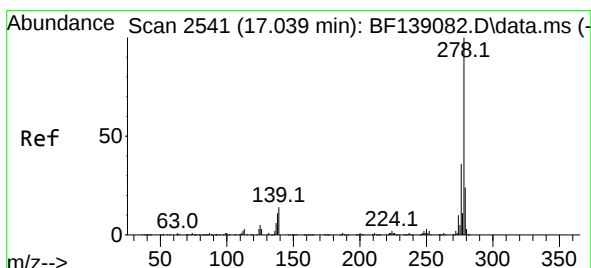
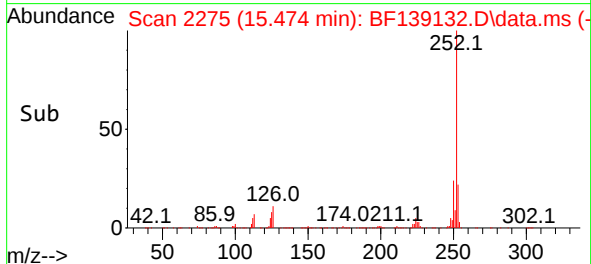
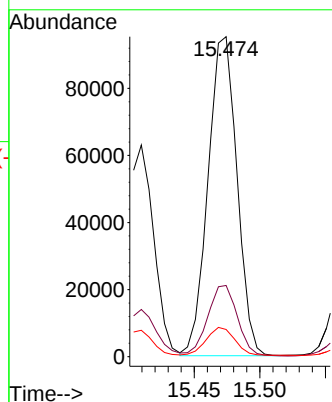
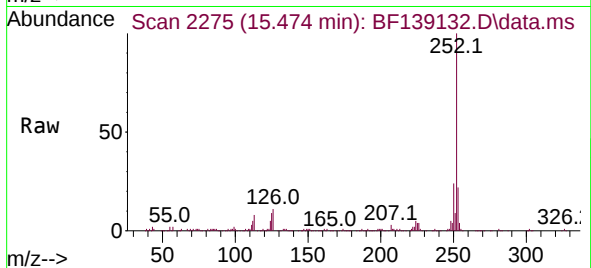
Tgt Ion:252 Resp: 146276

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 8.5 7.4 11.2



#91

Dibenzo(a,h)anthracene

Concen: 2.961 ng

RT: 17.027 min Scan# 2539

Delta R.T. -0.012 min

Lab File: BF139132.D

Acq: 22 Aug 2024 19:50

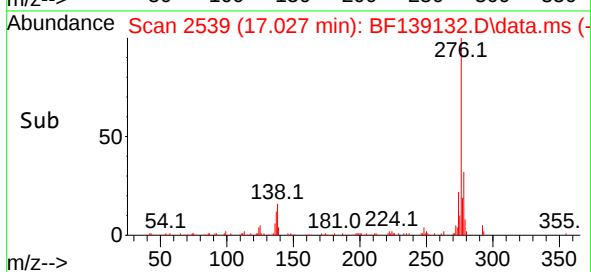
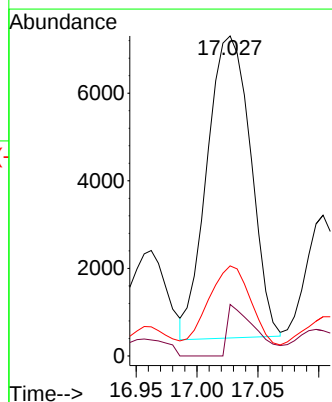
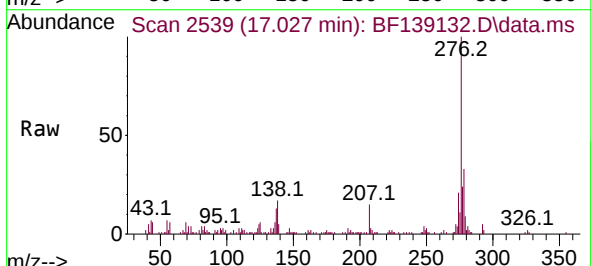
Tgt Ion:278 Resp: 17170

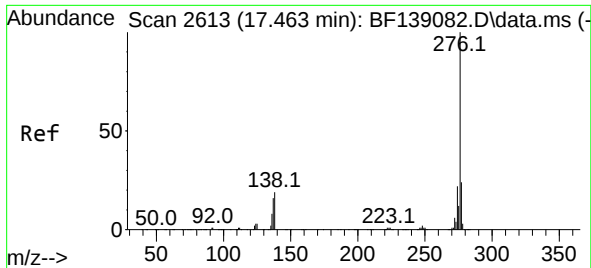
Ion Ratio Lower Upper

278 100

139 16.1 10.8 16.2

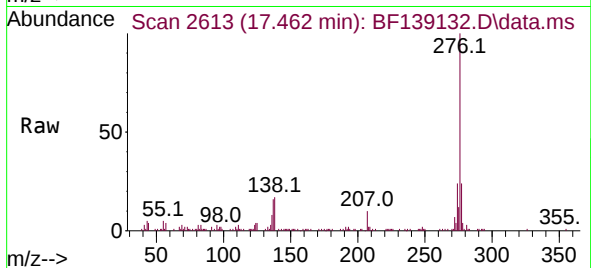
279 28.2 19.2 28.8





#92
 Benzo(g,h,i)perylene
 Concen: 13.040 ng
 RT: 17.462 min Scan# 20
 Delta R.T. -0.001 min
 Lab File: BF139132.D
 Acq: 22 Aug 2024 19:50

Instrument :
 BNA_F
 ClientSampleId :
 915-J-SD-0.5-1-081624DL



Tgt Ion:	276	Resp:	72079
Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.8	28.2
138	17.2	15.0	22.4

