

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
 Data File : BF139127.D
 Acq On : 22 Aug 2024 17:21
 Operator : RC/JU
 Sample : P3663-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 919-J-SD-0-0.5-1-081624

Quant Time: Aug 22 17:51:59 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)

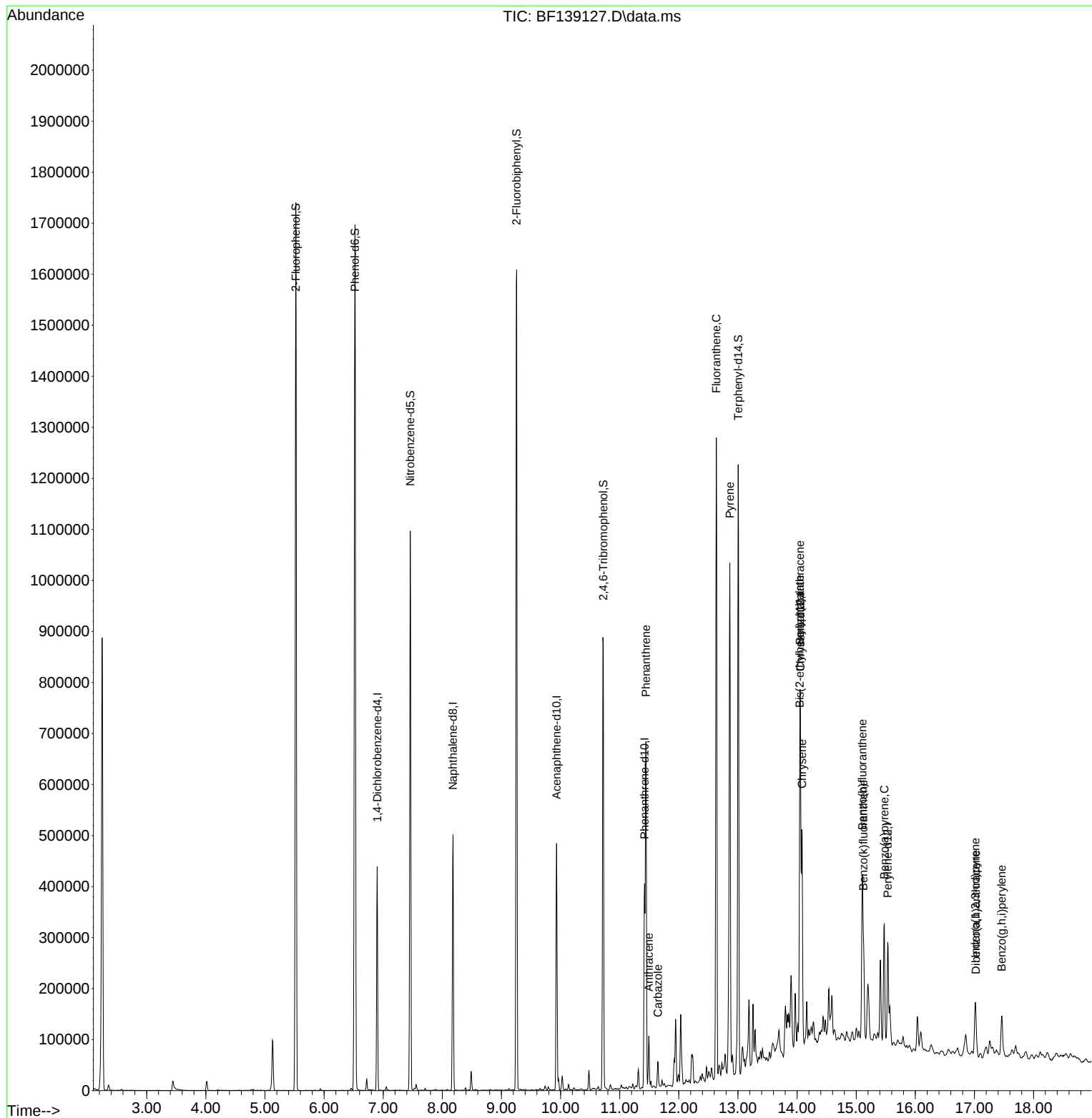
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	81256	20.000	ng	0.00
21) Naphthalene-d8	8.180	136	286743	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	137735	20.000	ng	0.00
64) Phenanthrene-d10	11.421	188	199428	20.000	ng	0.00
76) Chrysene-d12	14.057	240	145183	20.000	ng	0.00
86) Perylene-d12	15.533	264	113682	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	594976	112.654	ng	0.01
7) Phenol-d6	6.522	99	762322	111.707	ng	0.00
23) Nitrobenzene-d5	7.457	82	488567	99.283	ng	0.00
42) 2,4,6-Tribromophenol	10.721	330	137125	109.973	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	684128	78.807	ng	0.00
79) Terphenyl-d14	13.004	244	547627	62.588	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	348849	34.415	ng	100
72) Anthracene	11.492	178	54348	5.482	ng	99
73) Carbazole	11.645	167	25801	2.787	ng	98
75) Fluoranthene	12.633	202	693934	64.140	ng	99
78) Pyrene	12.863	202	555291	45.832	ng	99
81) Benzo(a)anthracene	14.051	228	256376	26.863	ng	100
83) Chrysene	14.086	228	205064	23.705	ng	98
84) Bis(2-ethylhexyl)phtha...	14.045	149	22112	3.979	ng	97
87) Indeno(1,2,3-cd)pyrene	17.015	276	79463m	11.943	ng	
88) Benzo(b)fluoranthene	15.104	252	223065m	30.098	ng	
89) Benzo(k)fluoranthene	15.121	252	68536m	11.103	ng	
90) Benzo(a)pyrene	15.474	252	144744	24.716	ng	99
91) Dibenzo(a,h)anthracene	17.027	278	17521m	3.208	ng	
92) Benzo(g,h,i)perylene	17.462	276	72838	13.788	ng	98

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

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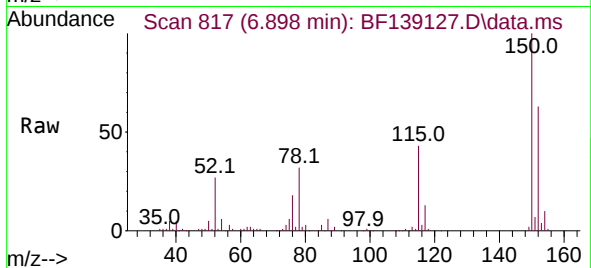
Quant Time: Aug 22 17:51:59 2024
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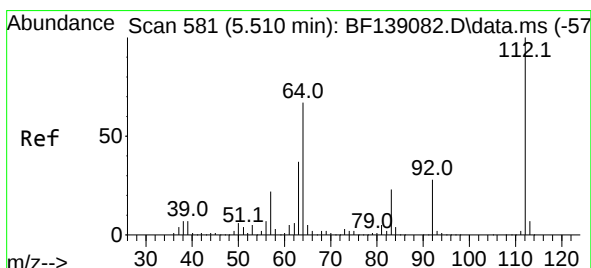
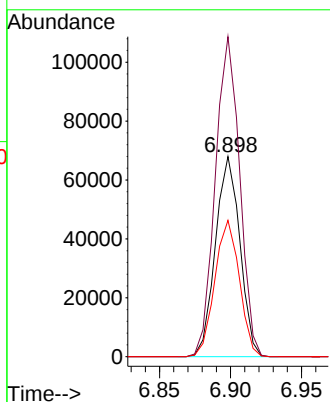
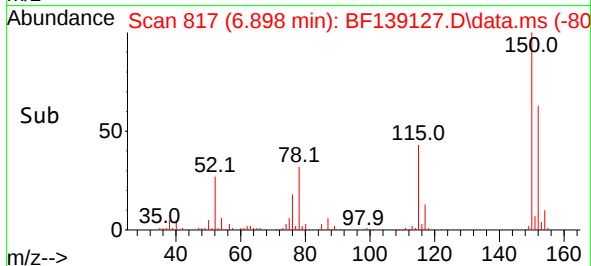


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21

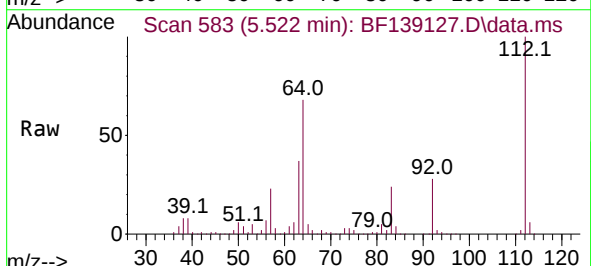
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-0.5-1-081624



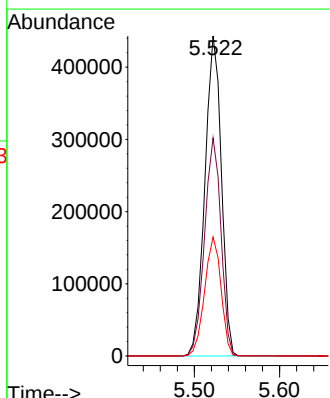
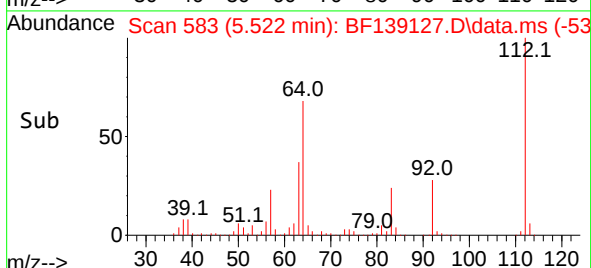
Tgt Ion:152 Resp: 81256
Ion Ratio Lower Upper
152 100
150 159.9 125.1 187.7
115 68.1 51.8 77.6



#5
2-Fluorophenol
Concen: 112.654 ng
RT: 5.522 min Scan# 583
Delta R.T. 0.011 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21



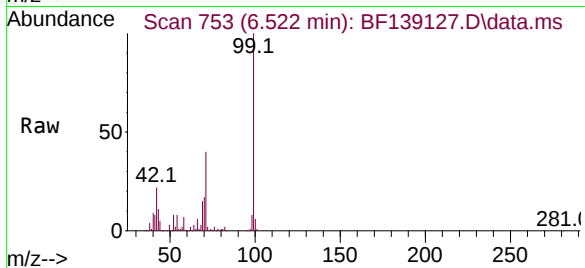
Tgt Ion:112 Resp: 594976
Ion Ratio Lower Upper
112 100
64 68.2 53.8 80.6
63 37.2 29.4 44.2



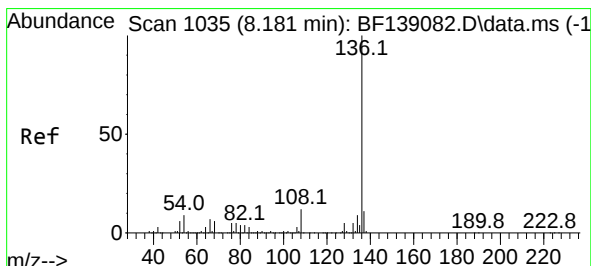
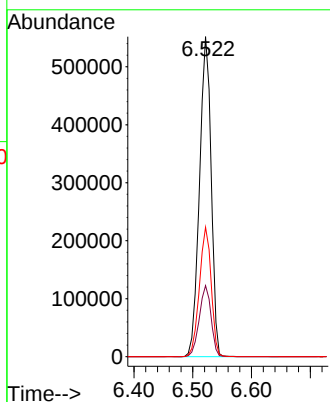
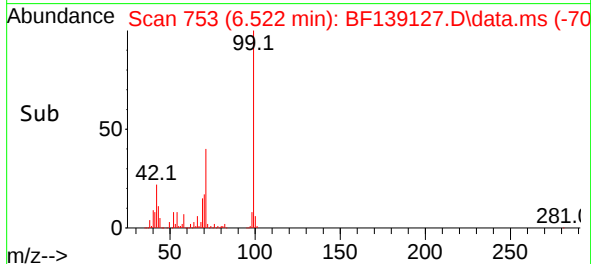


#7
Phenol-d6
Concen: 111.707 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21

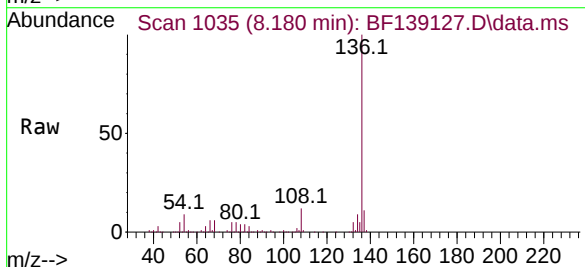
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-0.5-1-081624



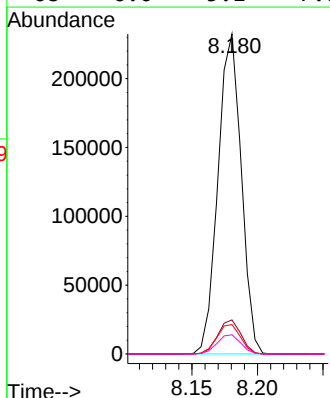
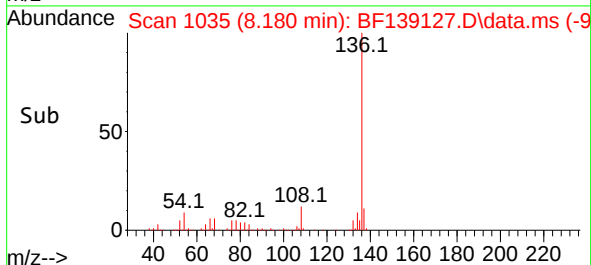
Tgt Ion:	99	Resp:	762322
Ion	Ratio	Lower	Upper
99	100		
42	22.2	17.4	26.2
71	40.5	31.2	46.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.180 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21



Tgt Ion:	136	Resp:	286743
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	9.2	7.6	11.4
68	6.0	5.1	7.7





#23

Nitrobenzene-d5

Concen: 99.283 ng

RT: 7.457 min Scan# 913

Delta R.T. -0.006 min

Lab File: BF139127.D

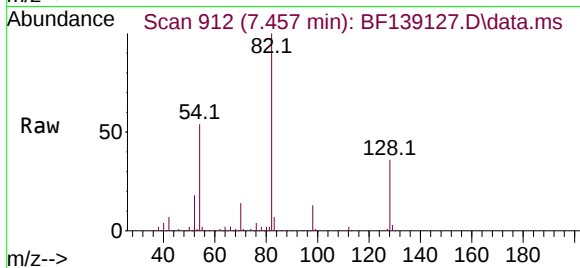
Acq: 22 Aug 2024 17:21

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-0.5-1-081624



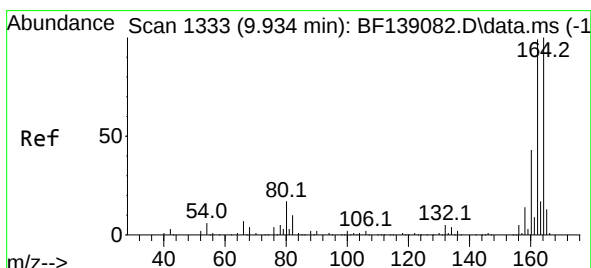
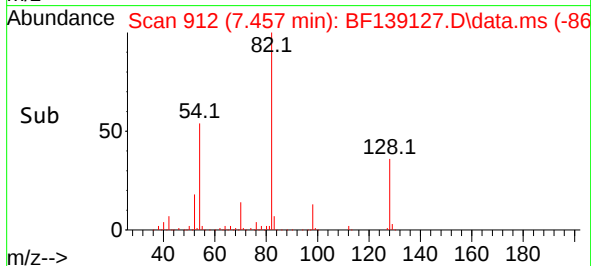
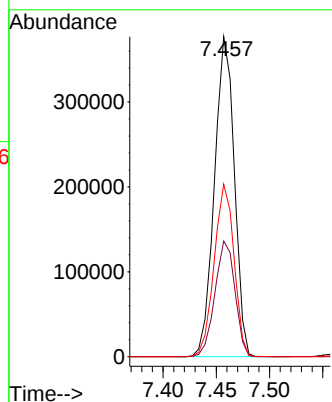
Tgt Ion: 82 Resp: 488567

Ion Ratio Lower Upper

82 100

128 36.2 29.0 43.4

54 53.9 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: BF139127.D

Acq: 22 Aug 2024 17:21

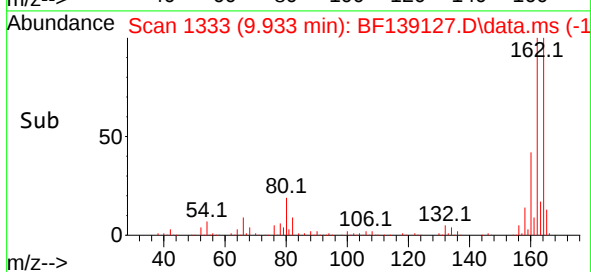
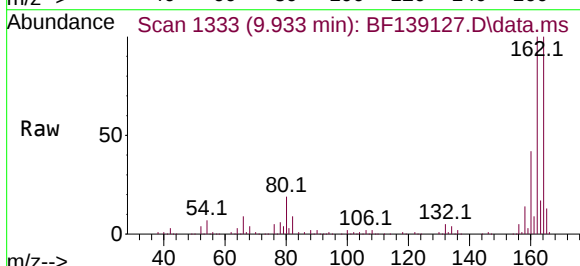
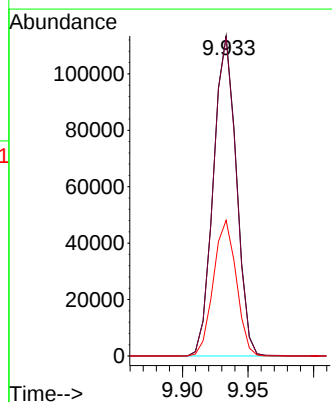
Tgt Ion: 164 Resp: 137735

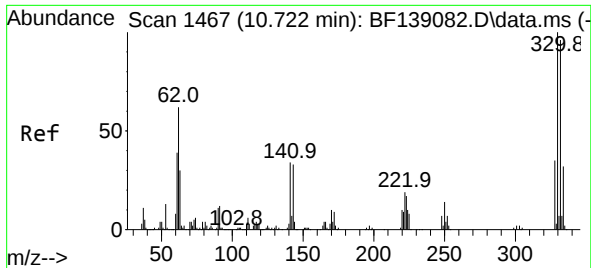
Ion Ratio Lower Upper

164 100

162 99.5 79.5 119.3

160 42.4 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 109.973 ng

RT: 10.721 min Scan# 1467

Delta R.T. -0.000 min

Lab File: BF139127.D

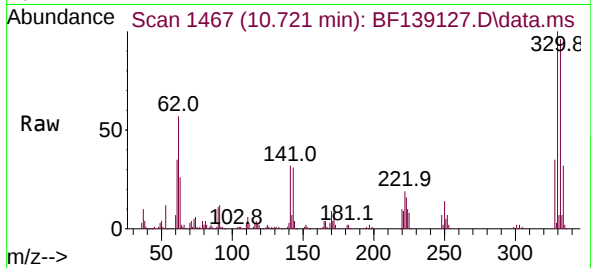
Acq: 22 Aug 2024 17:21

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-0.5-1-081624



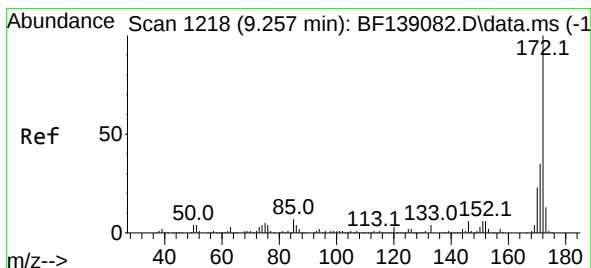
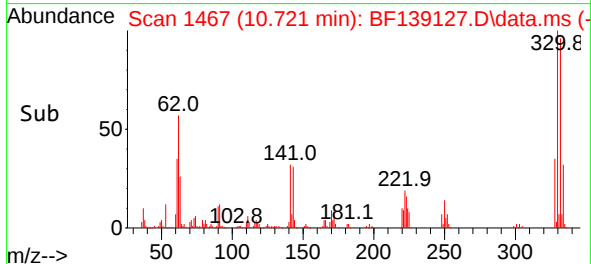
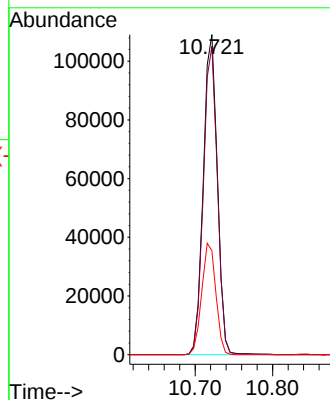
Tgt Ion:330 Resp: 137125

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

141 35.0 27.5 41.3



#45

2-Fluorobiphenyl

Concen: 78.807 ng

RT: 9.257 min Scan# 1218

Delta R.T. -0.000 min

Lab File: BF139127.D

Acq: 22 Aug 2024 17:21

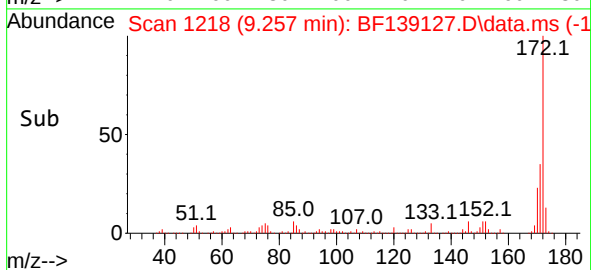
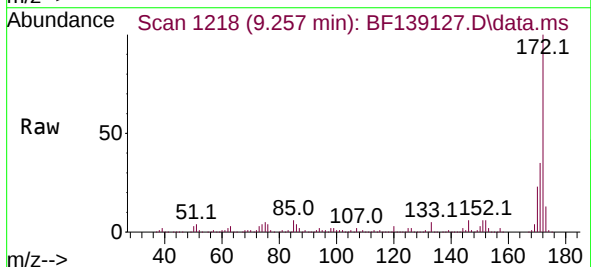
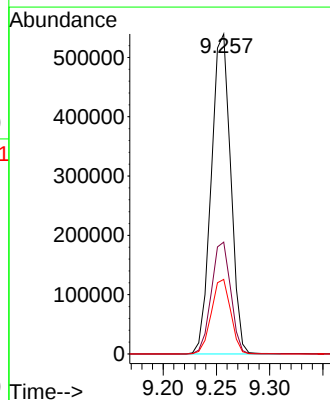
Tgt Ion:172 Resp: 684128

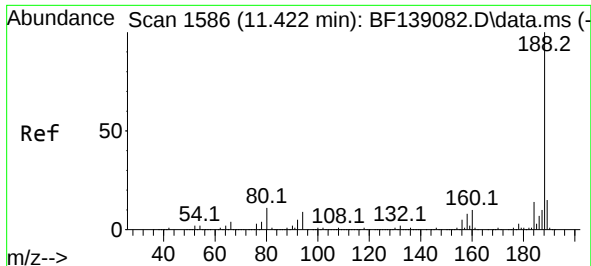
Ion Ratio Lower Upper

172 100

171 35.0 28.4 42.6

170 23.3 18.8 28.2

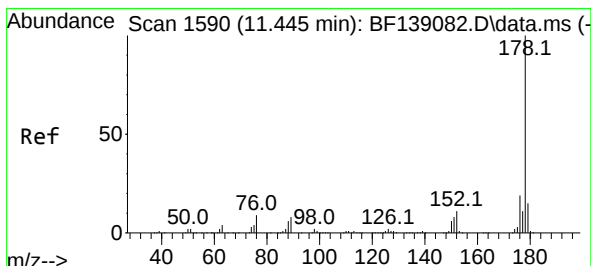
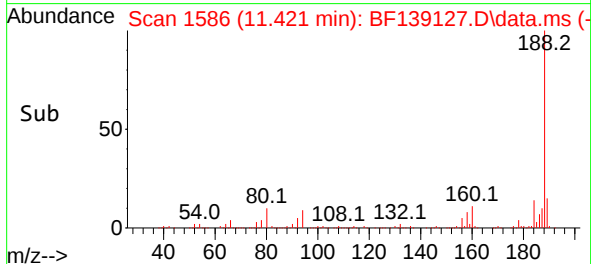
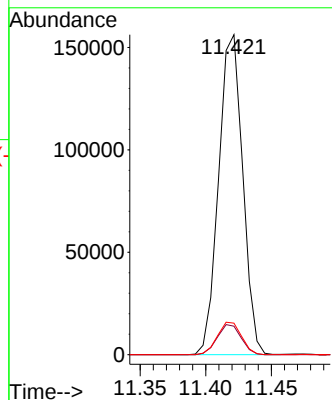
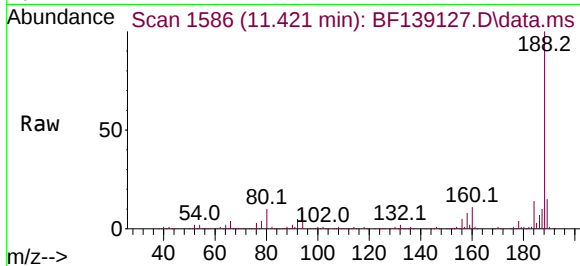




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21

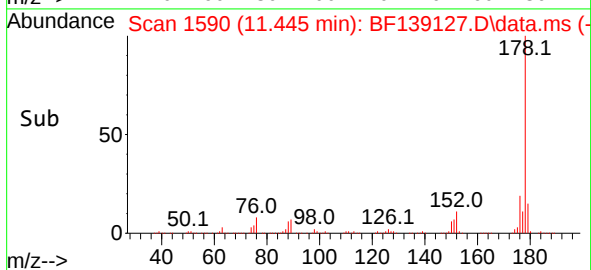
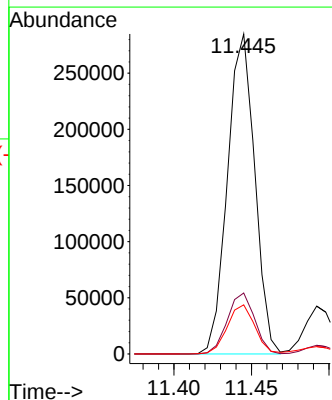
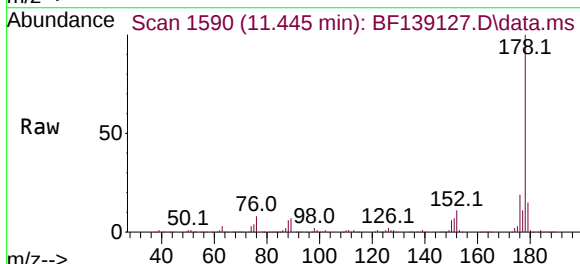
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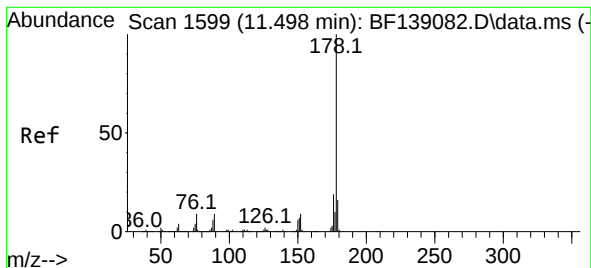
Tgt Ion:188 Resp: 199428
Ion Ratio Lower Upper
188 100
94 8.9 7.2 10.8
80 9.9 8.5 12.7



#71
Phenanthrene
Concen: 34.415 ng
RT: 11.445 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21

Tgt Ion:178 Resp: 348849
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.4 12.3 18.5





#72

Anthracene

Concen: 5.482 ng

RT: 11.492 min Scan# 1599

Delta R.T. -0.006 min

Lab File: BF139127.D

Acq: 22 Aug 2024 17:21

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-0.5-1-081624

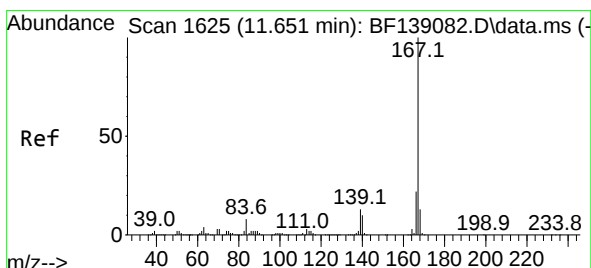
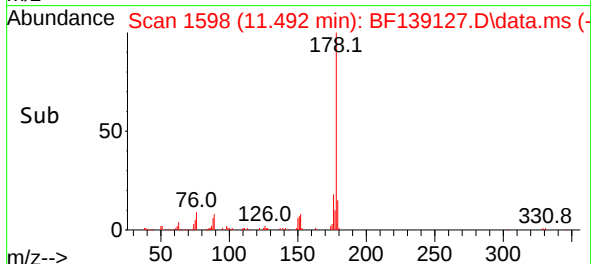
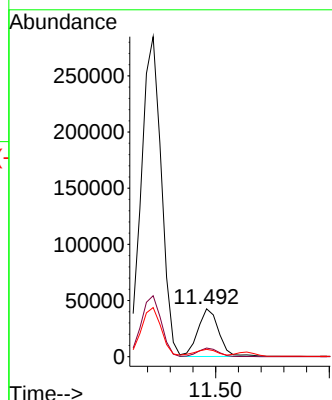
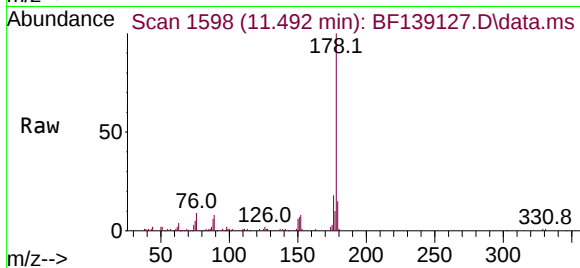
Tgt Ion:178 Resp: 54348

Ion Ratio Lower Upper

178 100

176 18.0 15.0 22.4

179 15.4 12.4 18.6



#73

Carbazole

Concen: 2.787 ng

RT: 11.645 min Scan# 1624

Delta R.T. -0.006 min

Lab File: BF139127.D

Acq: 22 Aug 2024 17:21

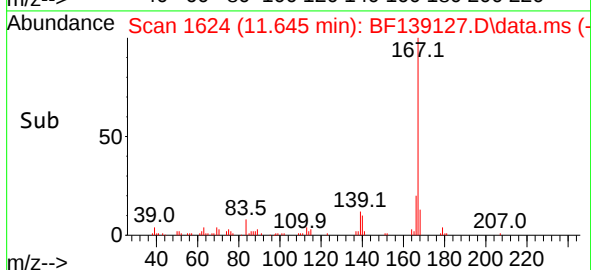
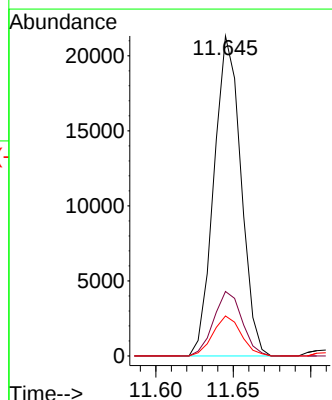
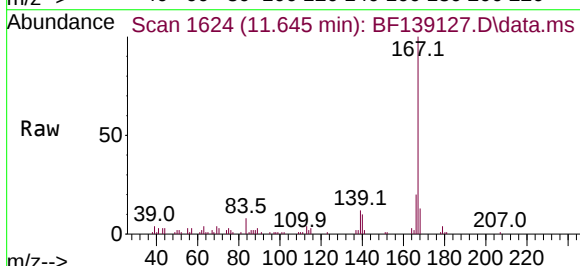
Tgt Ion:167 Resp: 25801

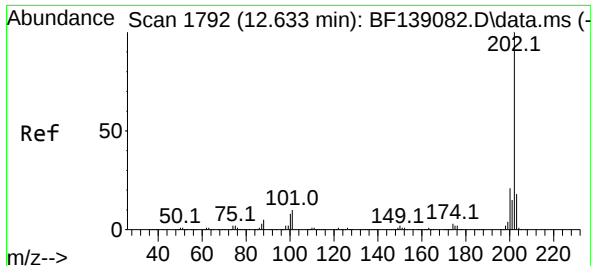
Ion Ratio Lower Upper

167 100

166 20.2 17.3 25.9

139 12.5 10.5 15.7

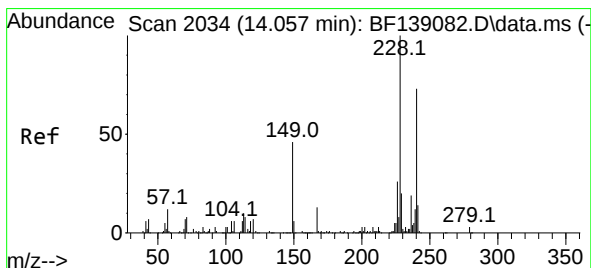
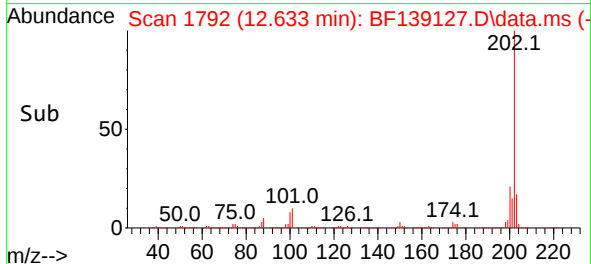
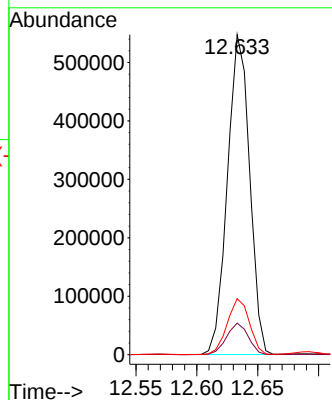
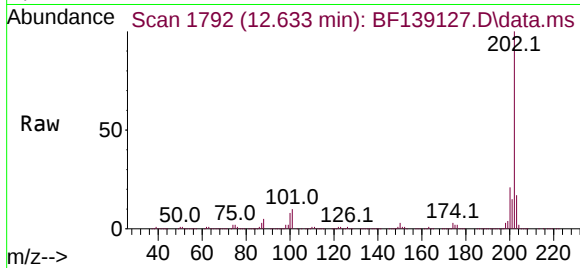




#75
Fluoranthene
Concen: 64.140 ng
RT: 12.633 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21

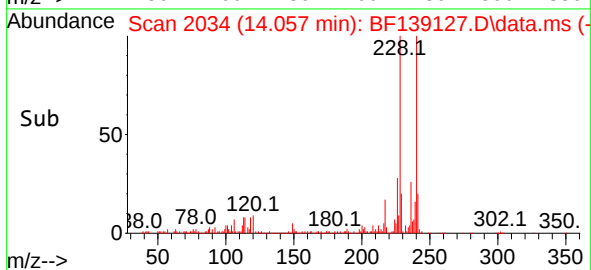
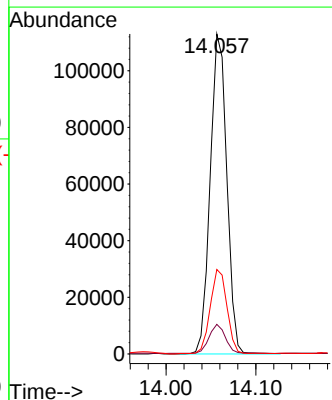
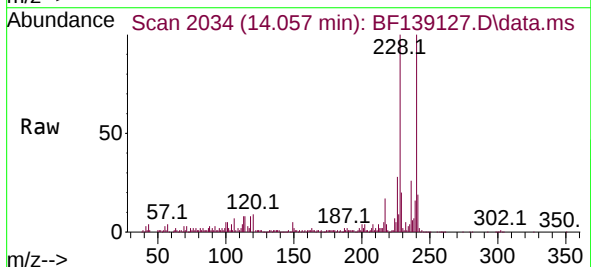
Instrument :
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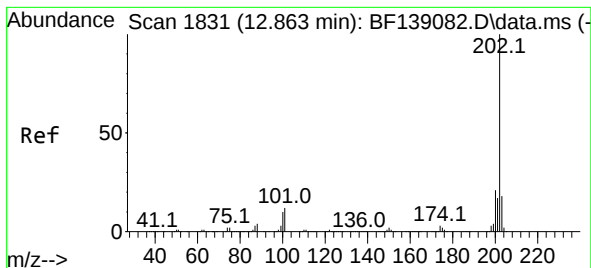
Tgt Ion:202 Resp: 693934
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.2
203 17.5 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21

Tgt Ion:240 Resp: 145183
Ion Ratio Lower Upper
240 100
120 9.3 7.8 11.6
236 26.4 20.9 31.3





#78

Pyrene

Concen: 45.832 ng

RT: 12.863 min Scan# 1831

Delta R.T. -0.000 min

Lab File: BF139127.D

Acq: 22 Aug 2024 17:21

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-0.5-1-081624

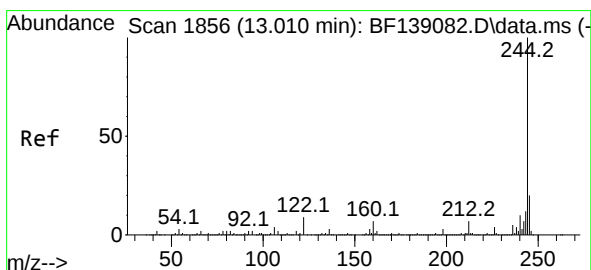
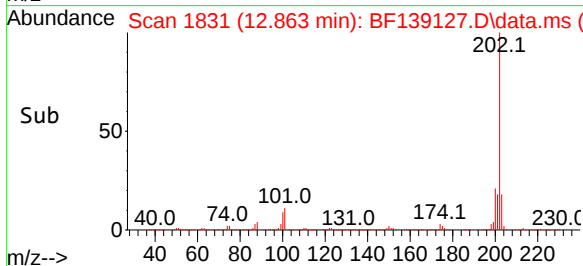
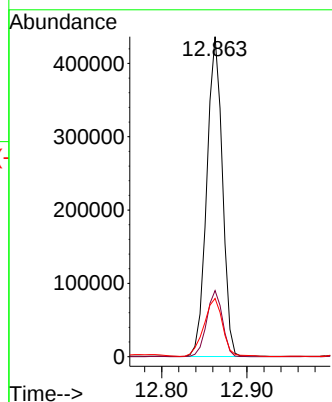
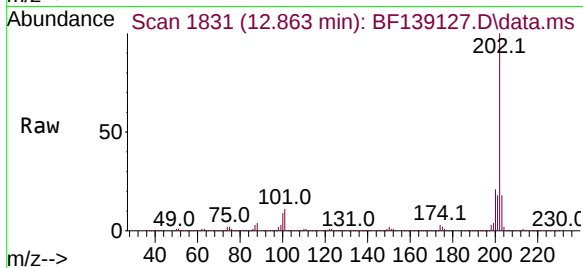
Tgt Ion:202 Resp: 555291

Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.6

203 18.2 14.1 21.1



#79

Terphenyl-d14

Concen: 62.588 ng

RT: 13.004 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BF139127.D

Acq: 22 Aug 2024 17:21

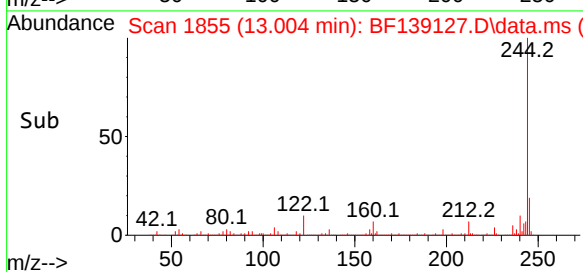
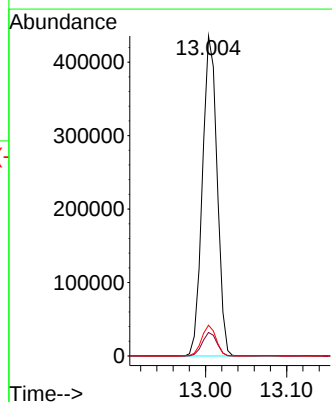
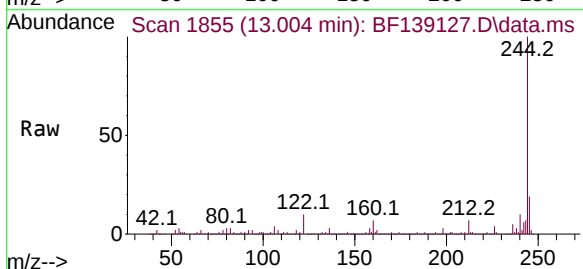
Tgt Ion:244 Resp: 547627

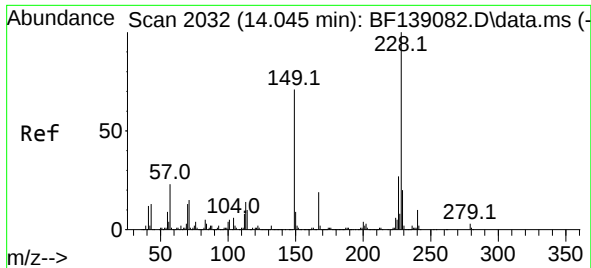
Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

122 9.6 7.6 11.4

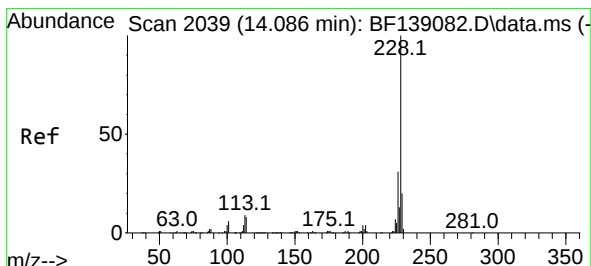
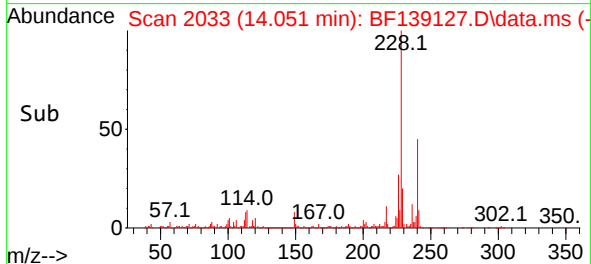
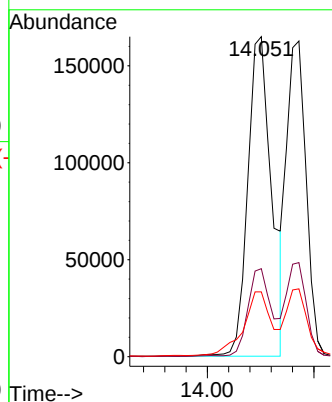
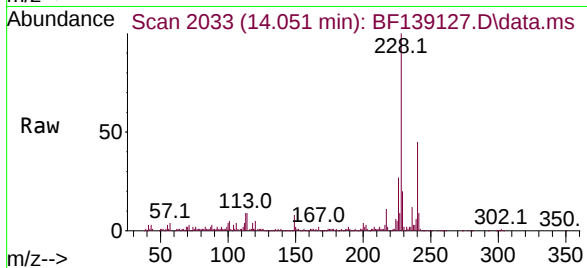




#81
Benzo(a)anthracene
Concen: 26.863 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.006 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21

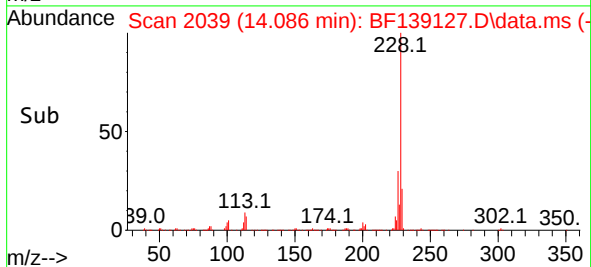
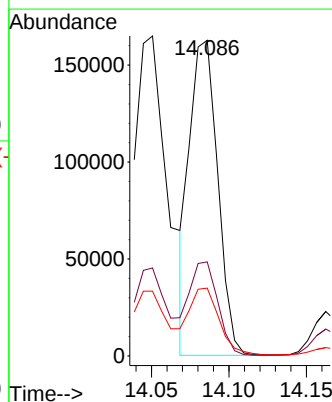
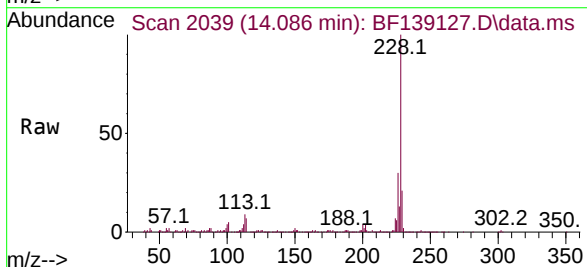
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-0.5-1-081624

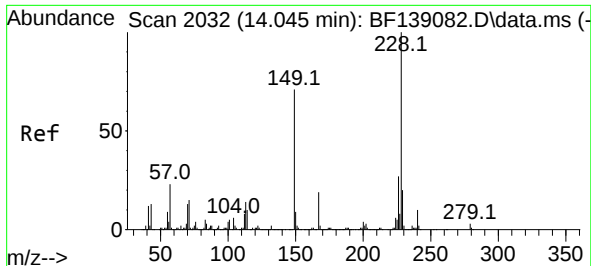
Tgt Ion:228 Resp: 256376
Ion Ratio Lower Upper
228 100
226 27.5 21.9 32.9
229 20.2 16.1 24.1



#83
Chrysene
Concen: 23.705 ng
RT: 14.086 min Scan# 2039
Delta R.T. -0.000 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21

Tgt Ion:228 Resp: 205064
Ion Ratio Lower Upper
228 100
226 29.8 24.3 36.5
229 21.5 15.8 23.8

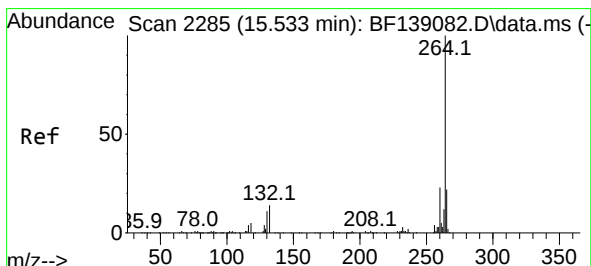
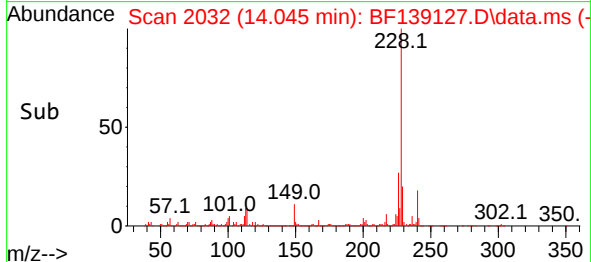
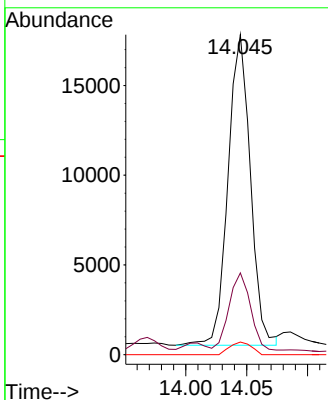
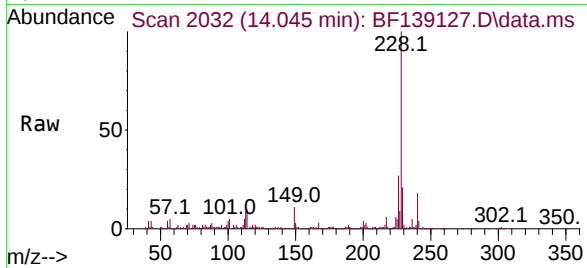




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.979 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21

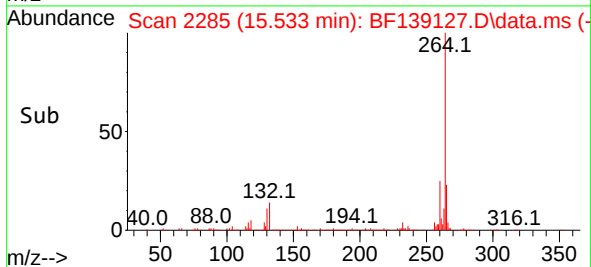
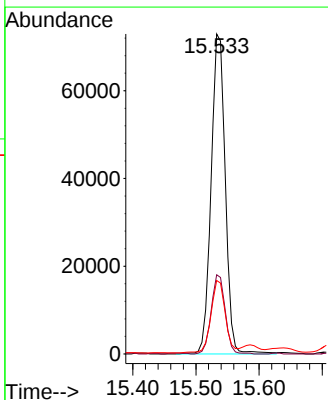
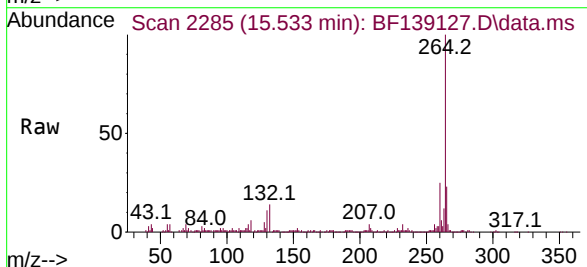
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-0.5-1-081624

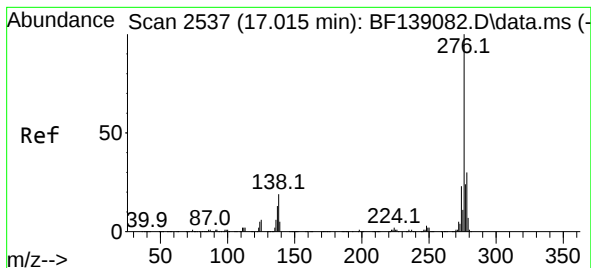
Tgt Ion:149	Resp:	22112
Ion Ratio	Lower	Upper
149	100	
167	25.5	21.8 32.6
279	4.0	3.5 5.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.000 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21

Tgt Ion:264	Resp:	113682
Ion Ratio	Lower	Upper
264	100	
260	24.7	18.6 27.8
265	23.0	17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.943 ng m

RT: 17.015 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139127.D

Acq: 22 Aug 2024 17:21

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-0.5-1-081624

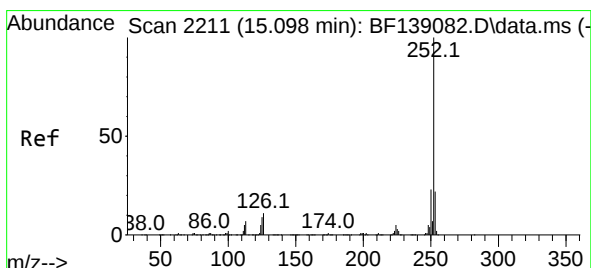
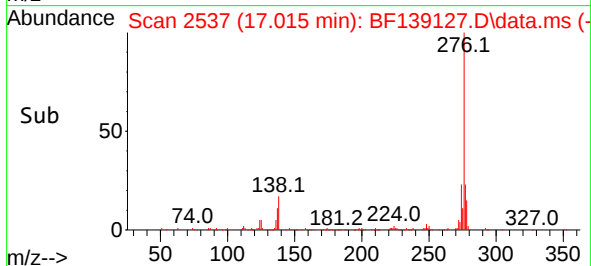
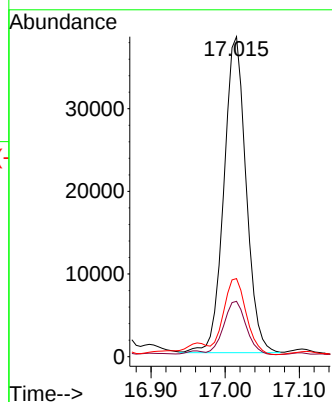
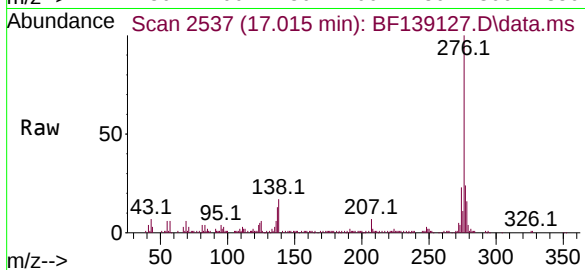
Tgt Ion:276 Resp: 79463

Ion Ratio Lower Upper

276 100

138 3.3 17.3 25.9#

277 4.2 20.2 30.4#



#88

Benzo(b)fluoranthene

Concen: 30.098 ng m

RT: 15.104 min Scan# 2212

Delta R.T. 0.006 min

Lab File: BF139127.D

Acq: 22 Aug 2024 17:21

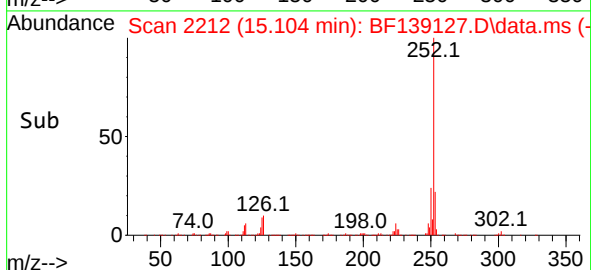
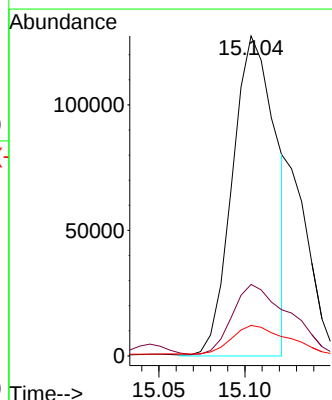
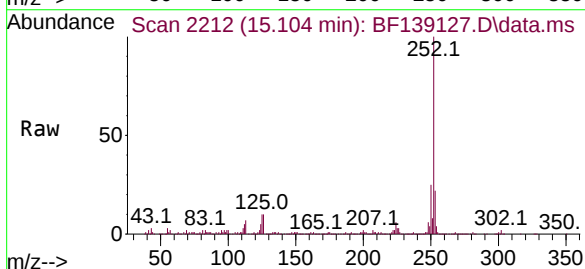
Tgt Ion:252 Resp: 223065

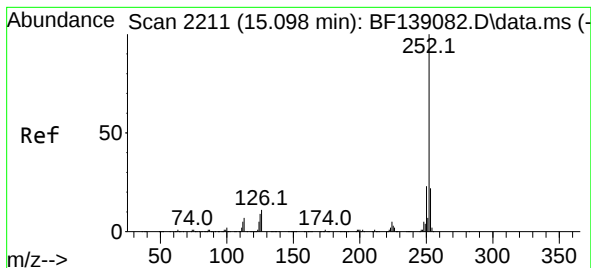
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

125 9.5 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 11.103 ng m

RT: 15.121 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF139127.D

Acq: 22 Aug 2024 17:21

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-0.5-1-081624

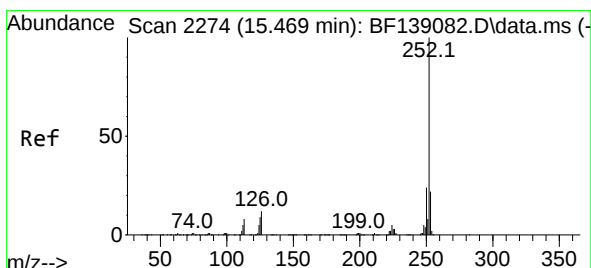
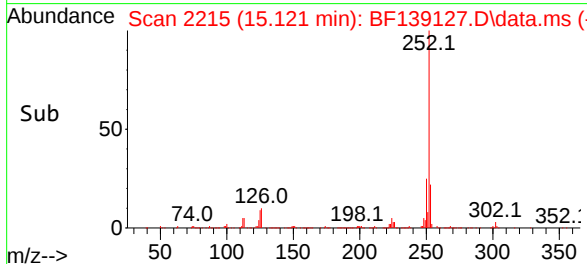
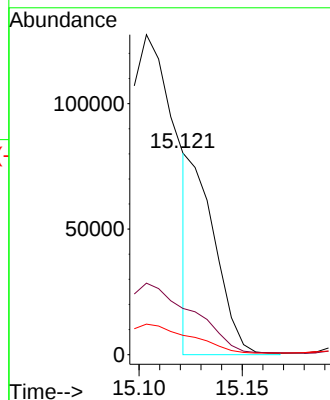
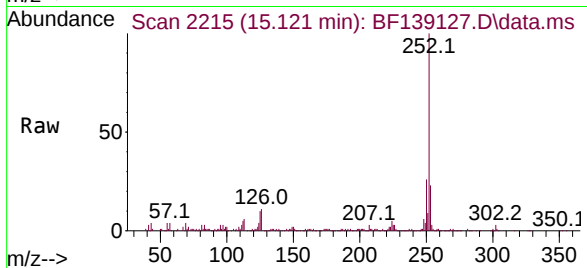
Tgt Ion:252 Resp: 68536

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.2

125 9.6 7.0 10.6



#90

Benzo(a)pyrene

Concen: 24.716 ng

RT: 15.474 min Scan# 2275

Delta R.T. 0.006 min

Lab File: BF139127.D

Acq: 22 Aug 2024 17:21

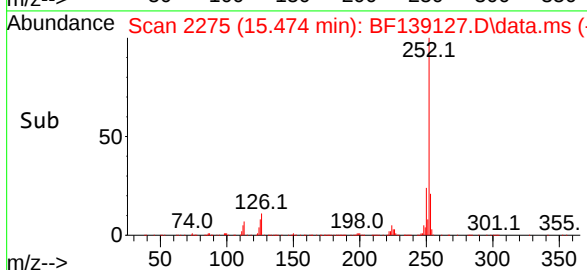
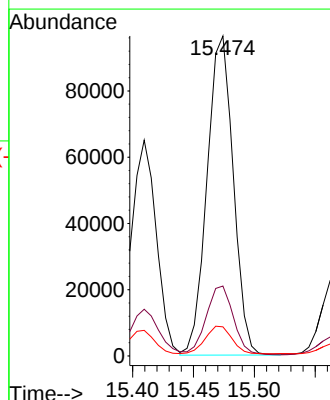
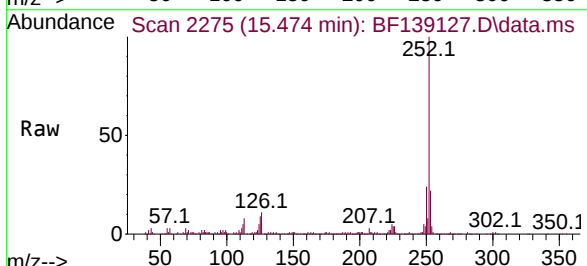
Tgt Ion:252 Resp: 144744

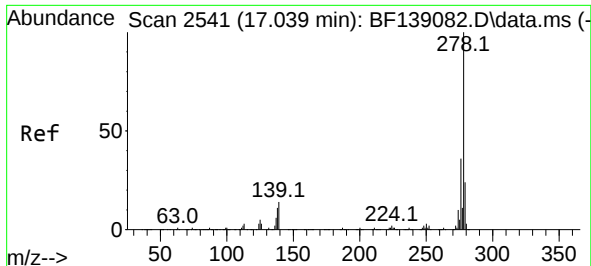
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 9.1 7.4 11.2

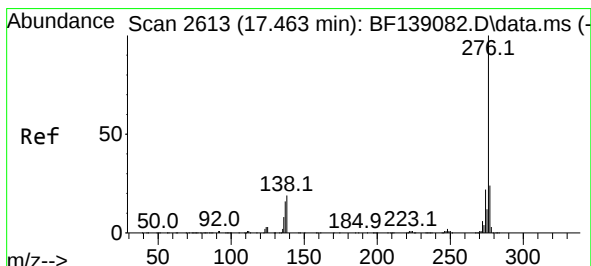
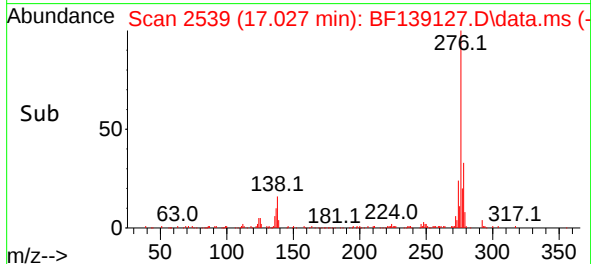
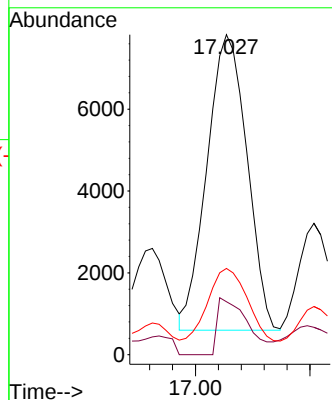
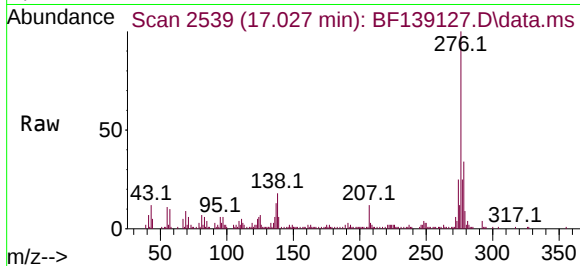




#91
Dibenzo(a,h)anthracene
Concen: 3.208 ng m
RT: 17.027 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21

Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-0.5-1-081624

Tgt Ion:278 Resp: 17521
Ion Ratio Lower Upper
278 100
139 16.5 10.8 16.2#
279 27.0 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 13.788 ng
RT: 17.462 min Scan# 2613
Delta R.T. -0.001 min
Lab File: BF139127.D
Acq: 22 Aug 2024 17:21

Tgt Ion:276 Resp: 72838
Ion Ratio Lower Upper
276 100
277 24.0 18.8 28.2
138 17.5 15.0 22.4

