

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
 Data File : BF139135.D
 Acq On : 22 Aug 2024 21:20
 Operator : RC/JU
 Sample : P3671-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-903-J-SO-0.5-1.0-081924

Quant Time: Aug 23 00:37:14 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)

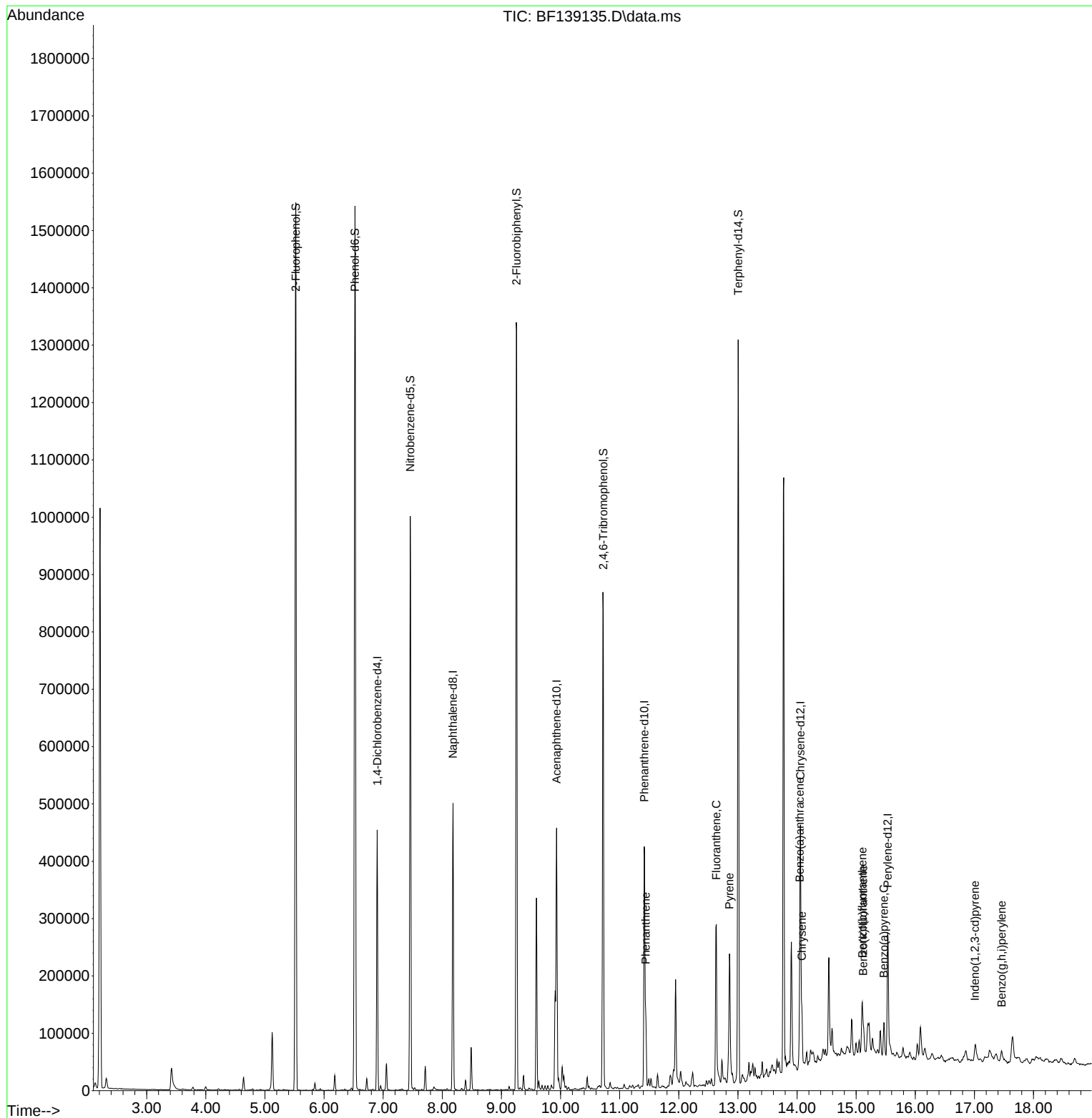
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	85247	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	279964	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	126845	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	218265	20.000	ng	0.00
76) Chrysene-d12	14.057	240	157920	20.000	ng	0.00
86) Perylene-d12	15.533	264	125372	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	540599	97.566	ng	0.01
7) Phenol-d6	6.522	99	687826	96.072	ng	0.00
23) Nitrobenzene-d5	7.457	82	437128	90.981	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	130430	113.584	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	571922	71.537	ng	0.00
79) Terphenyl-d14	13.004	244	600234	63.068	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.439	178	64466	5.811	ng	99
75) Fluoranthene	12.633	202	154930	13.084	ng	99
78) Pyrene	12.857	202	121881	9.248	ng	98
81) Benzo(a)anthracene	14.045	228	51485	4.960	ng	96
83) Chrysene	14.080	228	51238	5.445	ng	98
87) Indeno(1,2,3-cd)pyrene	17.010	276	21252	2.896	ng	97
88) Benzo(b)fluoranthene	15.104	252	52814m	6.462	ng	
89) Benzo(k)fluoranthene	15.116	252	22013m	3.234	ng	
90) Benzo(a)pyrene	15.468	252	33236	5.146	ng	96
92) Benzo(g,h,i)perylene	17.462	276	20818	5.644	ng	97

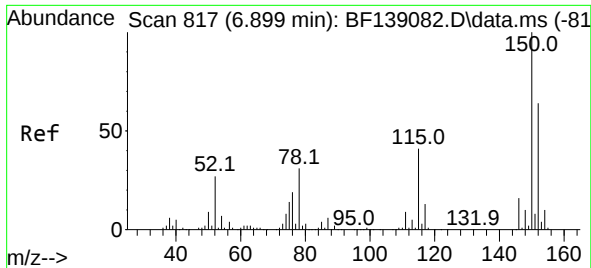
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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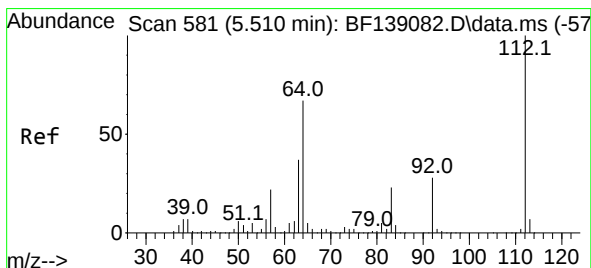
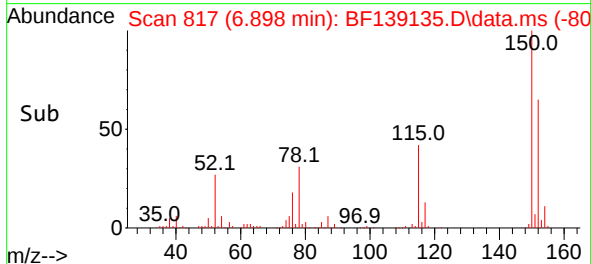
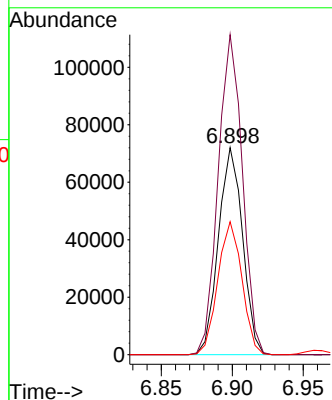
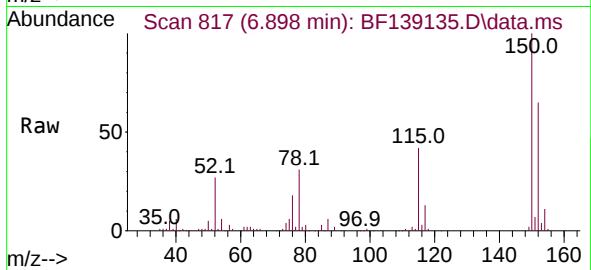




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

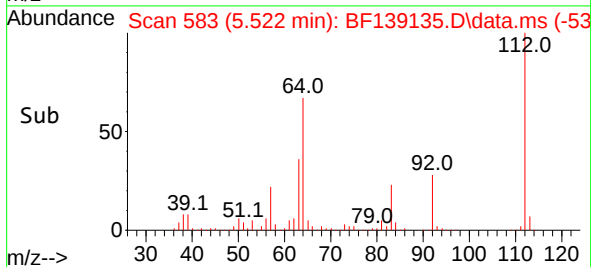
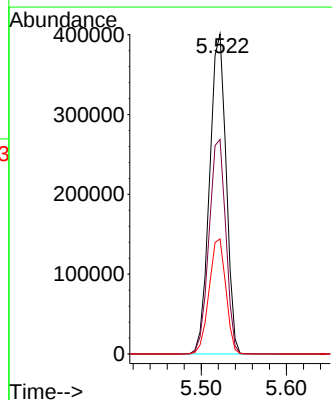
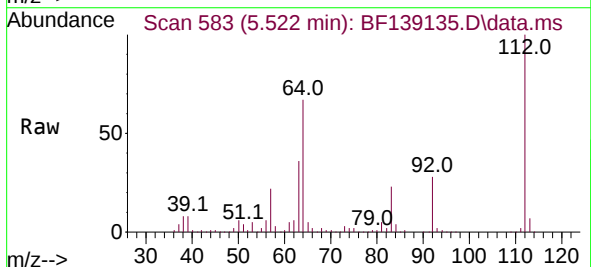
Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

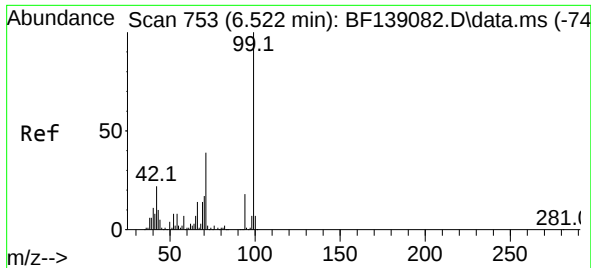
Tgt Ion:152 Resp: 85247
Ion Ratio Lower Upper
152 100
150 154.6 125.1 187.7
115 64.2 51.8 77.6



#5
2-Fluorophenol
Concen: 97.566 ng
RT: 5.522 min Scan# 583
Delta R.T. 0.012 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

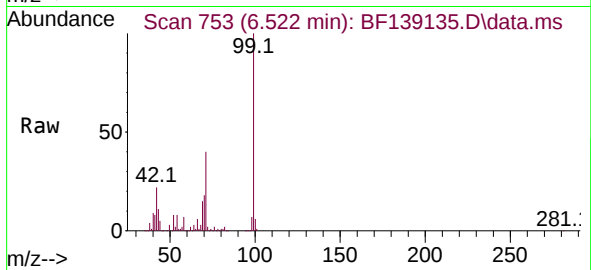
Tgt Ion:112 Resp: 540599
Ion Ratio Lower Upper
112 100
64 67.0 53.8 80.6
63 35.9 29.4 44.2



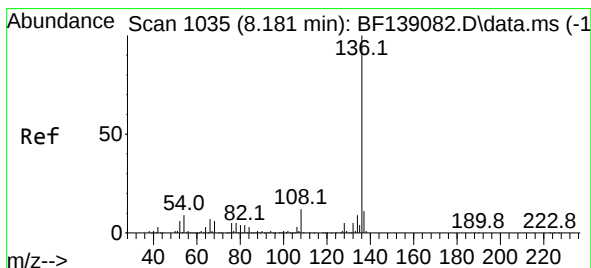
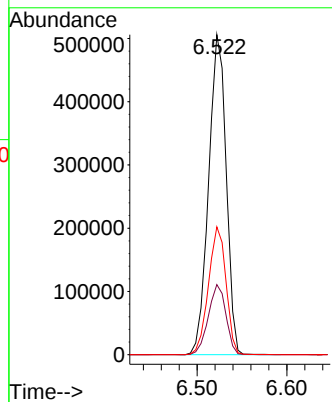
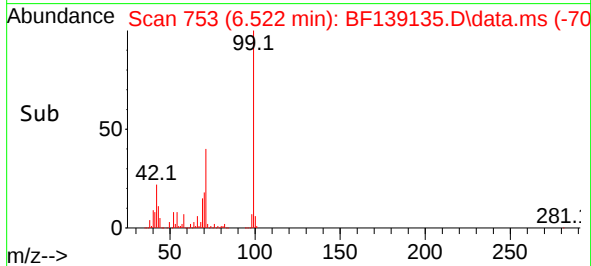


#7
Phenol-d6
Concen: 96.072 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

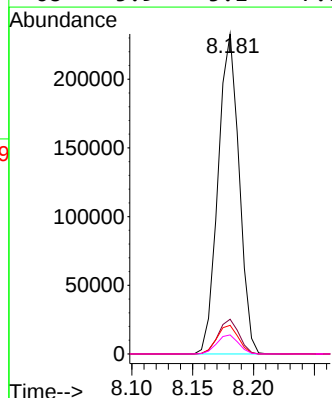
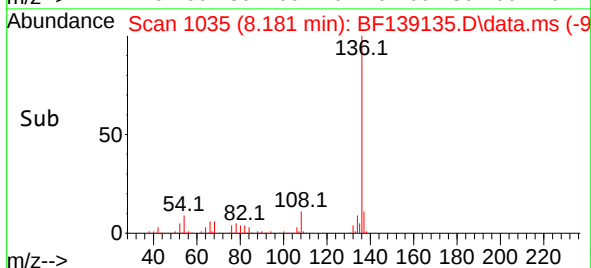
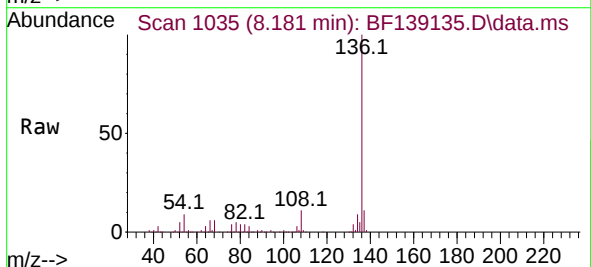


Tgt Ion:	99	Resp:	687826
Ion	Ratio	Lower	Upper
99	100		
42	21.9	17.4	26.2
71	40.0	31.2	46.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Tgt Ion:	136	Resp:	279964
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	9.0	7.6	11.4
68	5.9	5.1	7.7





#23

Nitrobenzene-d5

Concen: 90.981 ng

RT: 7.457 min Scan# 913

Delta R.T. -0.006 min

Lab File: BF139135.D

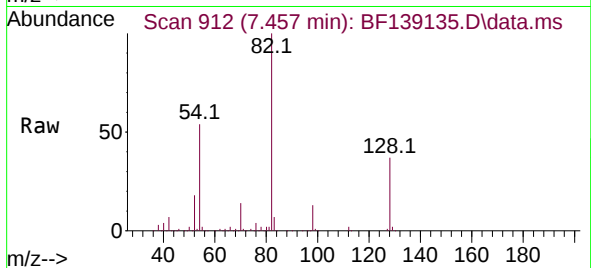
Acq: 22 Aug 2024 21:20

Instrument :

BNA_F

ClientSampleId :

S-903-J-SO-0.5-1.0-081924



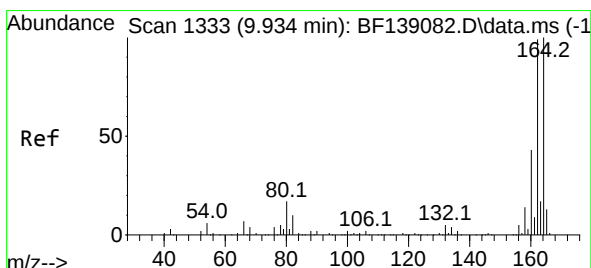
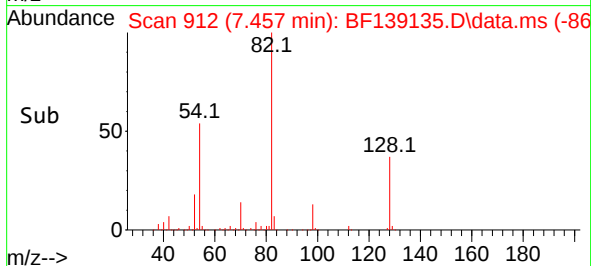
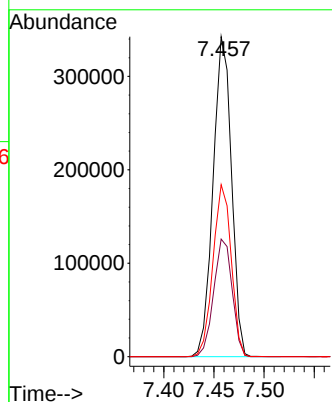
Tgt Ion: 82 Resp: 437128

Ion Ratio Lower Upper

82 100

128 36.7 29.0 43.4

54 53.8 43.4 65.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.934 min Scan# 1333

Delta R.T. -0.000 min

Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

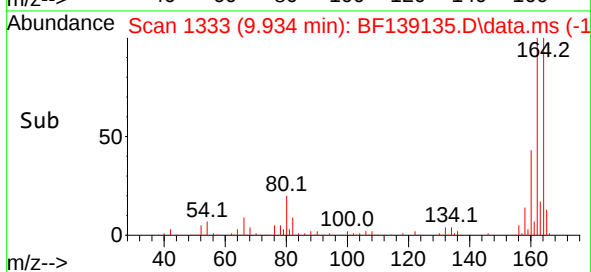
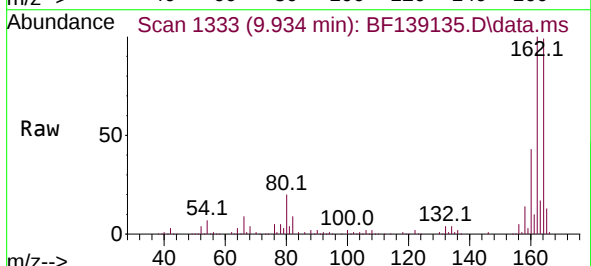
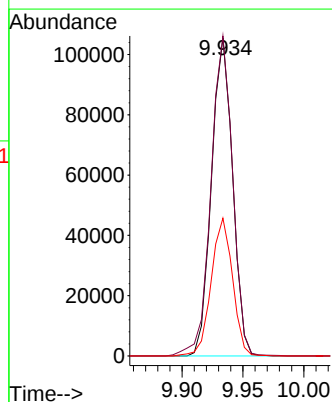
Tgt Ion: 164 Resp: 126845

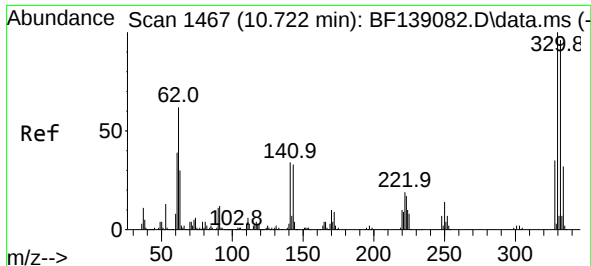
Ion Ratio Lower Upper

164 100

162 100.6 79.5 119.3

160 43.3 34.5 51.7

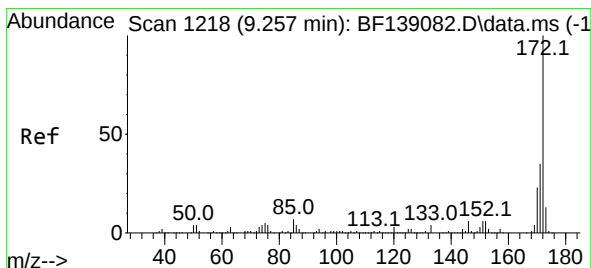
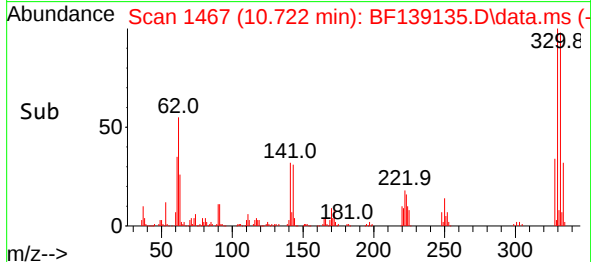
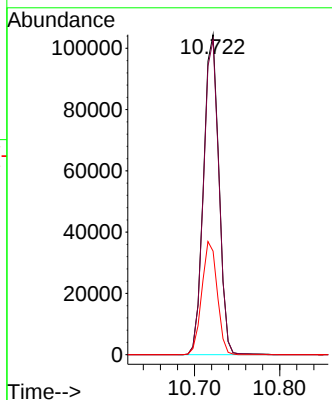
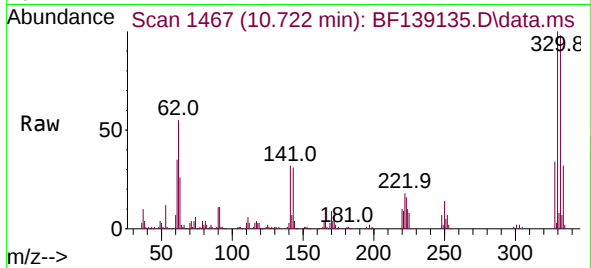




#42
2,4,6-Tribromophenol
Concen: 113.584 ng
RT: 10.722 min Scan# 1467
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

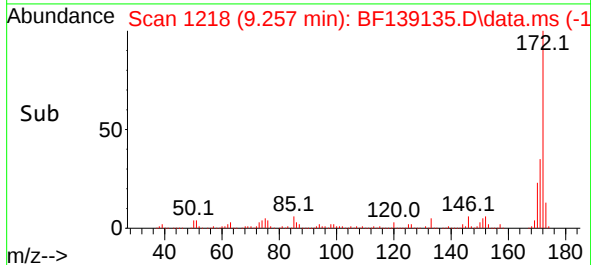
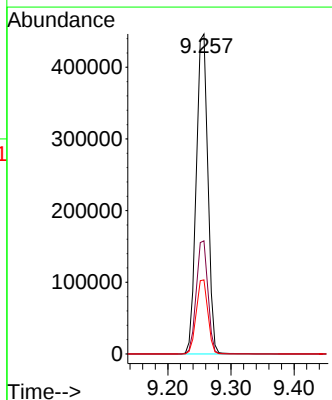
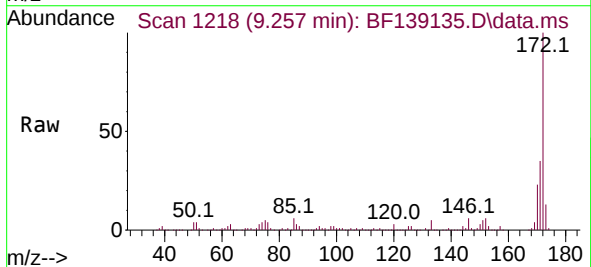
Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

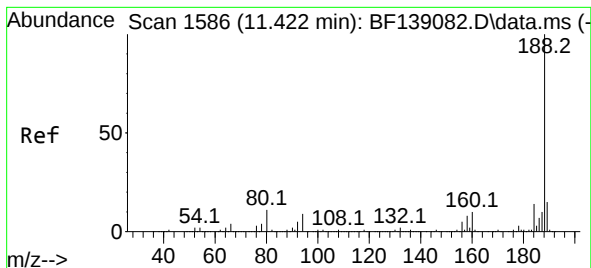
Tgt Ion:330 Resp: 130430
Ion Ratio Lower Upper
330 100
332 98.5 77.0 115.6
141 35.4 27.5 41.3



#45
2-Fluorobiphenyl
Concen: 71.537 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Tgt Ion:172 Resp: 571922
Ion Ratio Lower Upper
172 100
171 35.3 28.4 42.6
170 23.1 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

Instrument :

BNA_F

ClientSampleId :

S-903-J-SO-0.5-1.0-081924

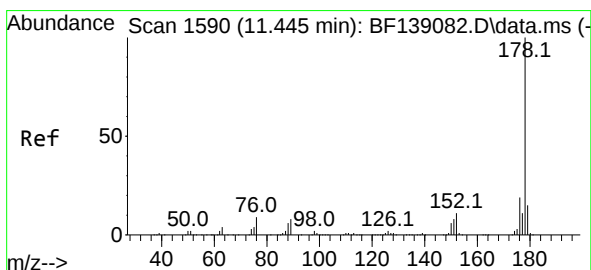
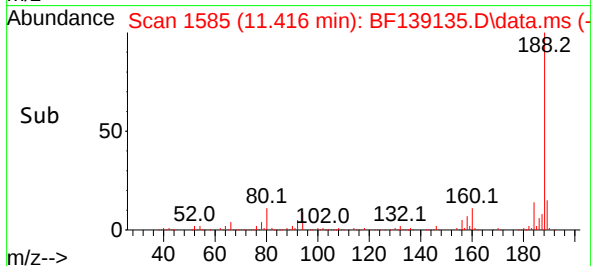
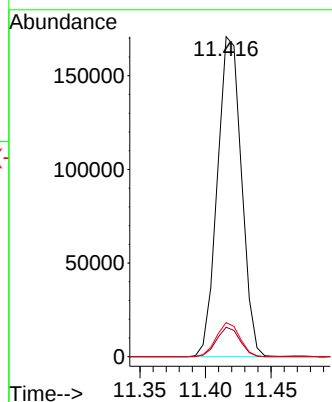
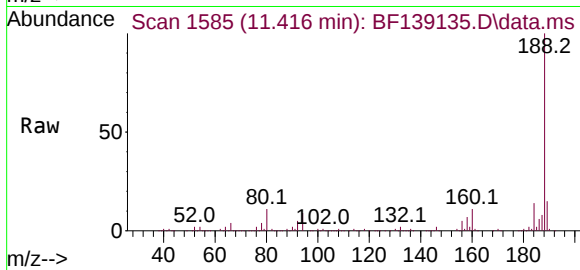
Tgt Ion:188 Resp: 218265

Ion Ratio Lower Upper

188 100

94 9.2 7.2 10.8

80 10.7 8.5 12.7



#71

Phenanthrene

Concen: 5.811 ng

RT: 11.439 min Scan# 1589

Delta R.T. -0.006 min

Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

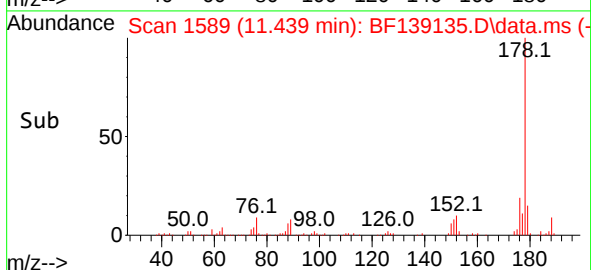
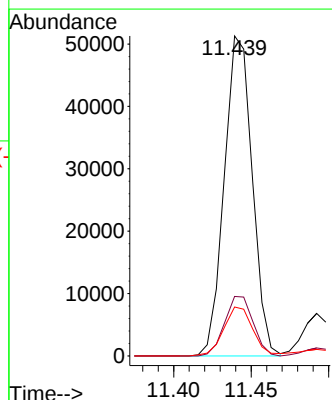
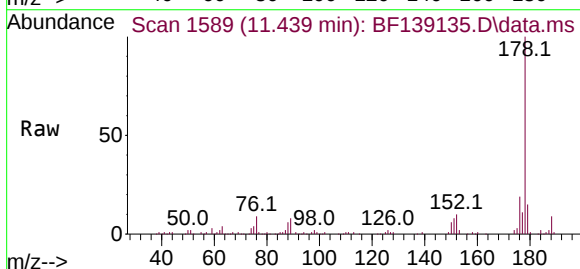
Tgt Ion:178 Resp: 64466

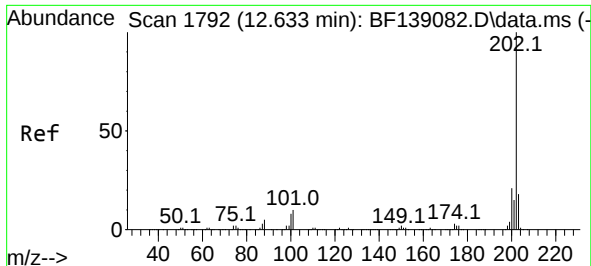
Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

179 15.3 12.3 18.5

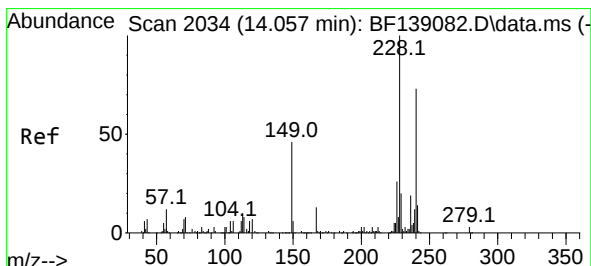
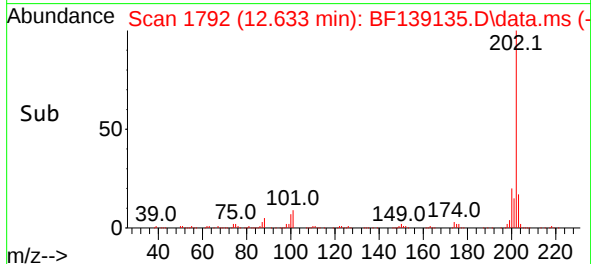
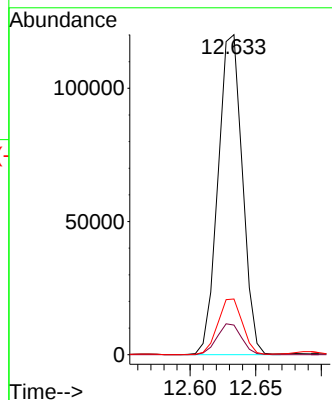
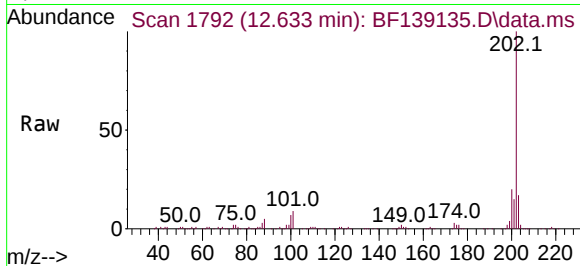




#75
Fluoranthene
Concen: 13.084 ng
RT: 12.633 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

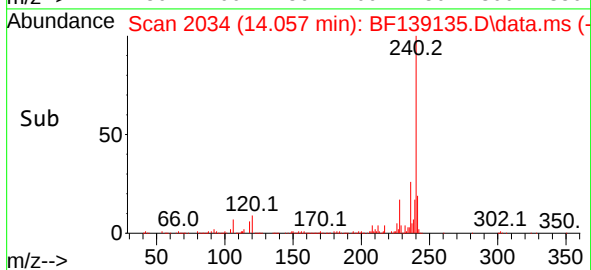
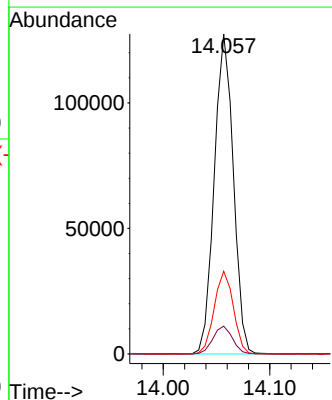
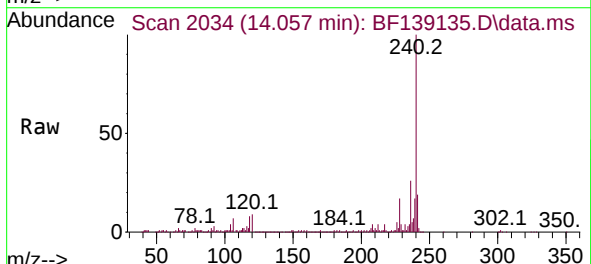
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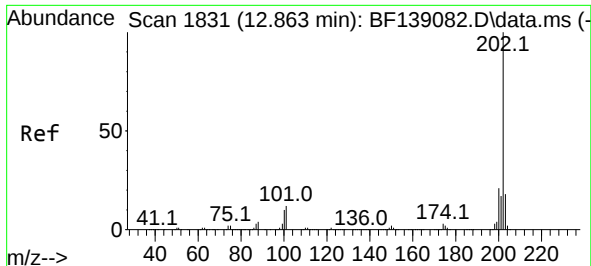
Tgt Ion:202 Resp: 154930
Ion Ratio Lower Upper
202 100
101 9.2 0.0 30.2
203 17.4 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Tgt Ion:240 Resp: 157920
Ion Ratio Lower Upper
240 100
120 8.7 7.8 11.6
236 25.9 20.9 31.3

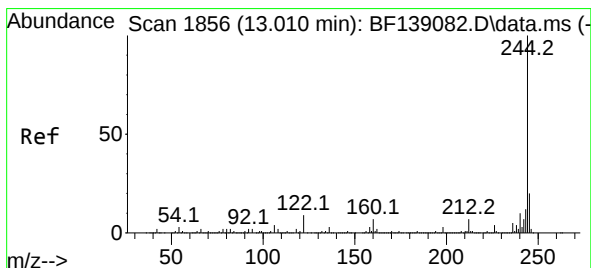
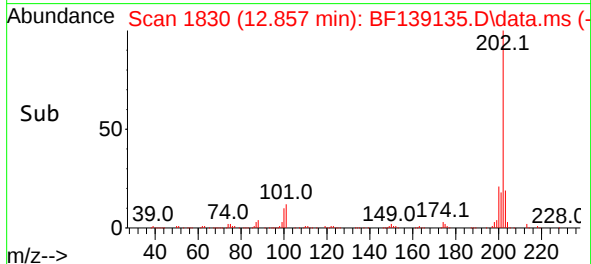
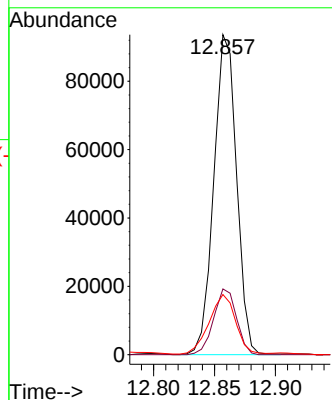
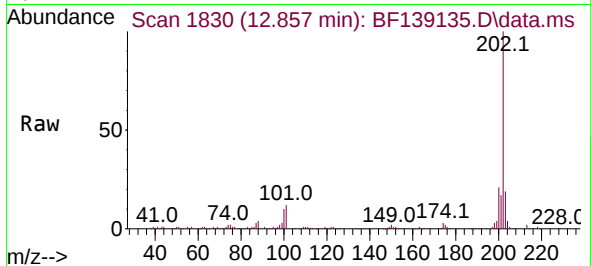




#78
Pyrene
Concen: 9.248 ng
RT: 12.857 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

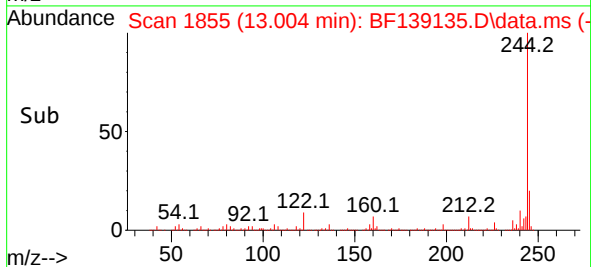
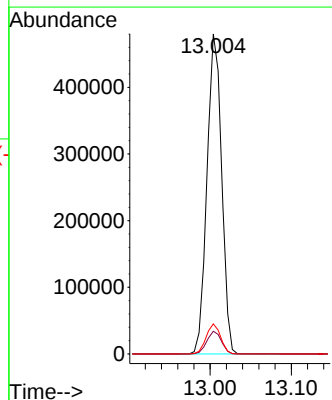
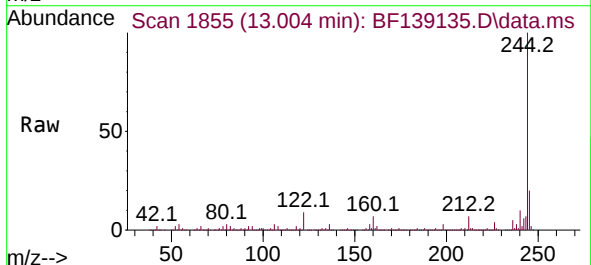
Instrument :
BNA_F
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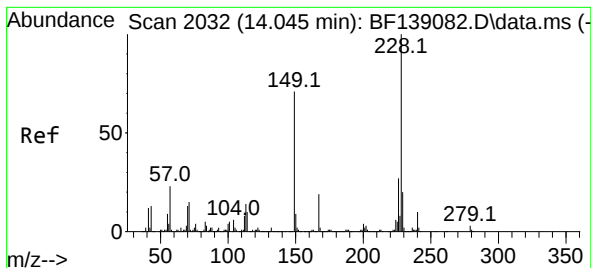
Tgt Ion:202 Resp: 121881
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.6
203 18.8 14.1 21.1



#79
Terphenyl-d14
Concen: 63.068 ng
RT: 13.004 min Scan# 1855
Delta R.T. -0.006 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Tgt Ion:244 Resp: 600234
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.6
122 9.4 7.6 11.4





#81

Benzo(a)anthracene

Concen: 4.960 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

Instrument :

BNA_F

ClientSampleId :

S-903-J-SO-0.5-1.0-081924

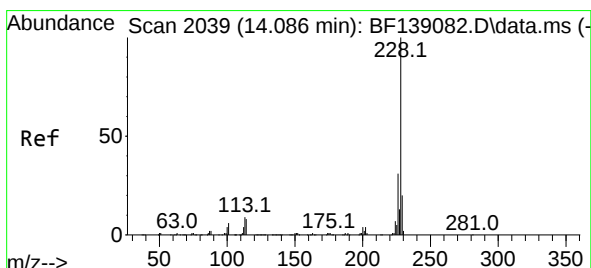
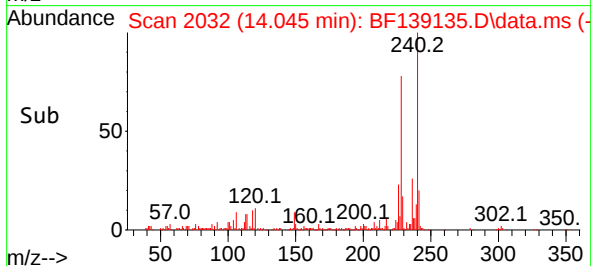
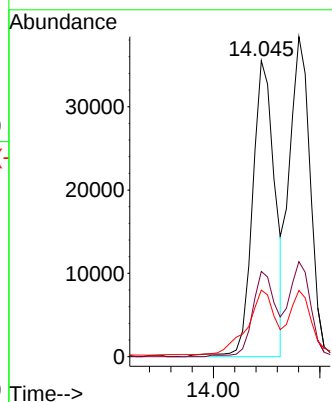
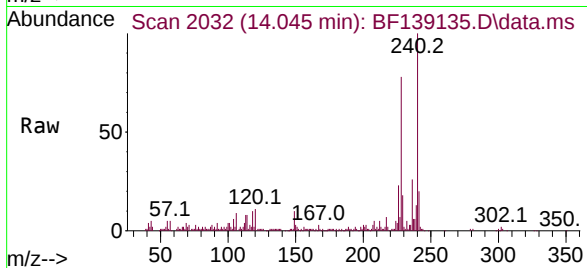
Tgt Ion:228 Resp: 51485

Ion Ratio Lower Upper

228 100

226 28.8 21.9 32.9

229 22.5 16.1 24.1



#83

Chrysene

Concen: 5.445 ng

RT: 14.080 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

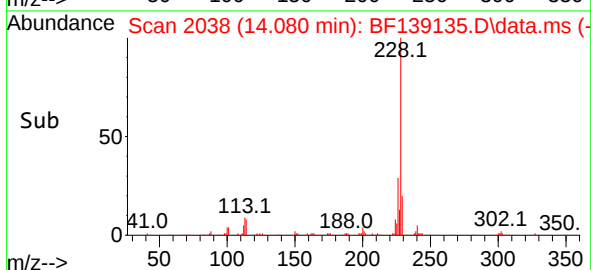
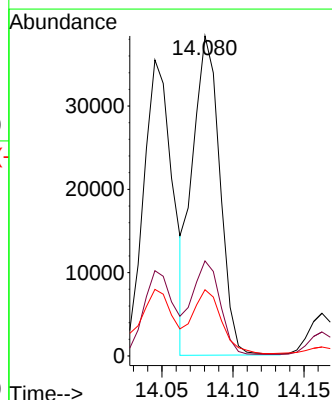
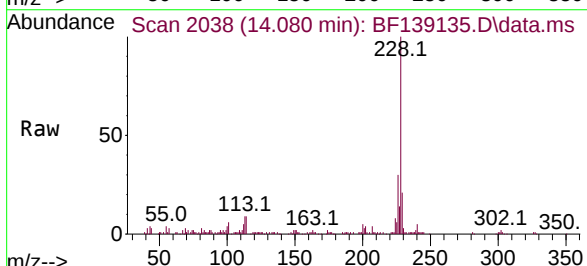
Tgt Ion:228 Resp: 51238

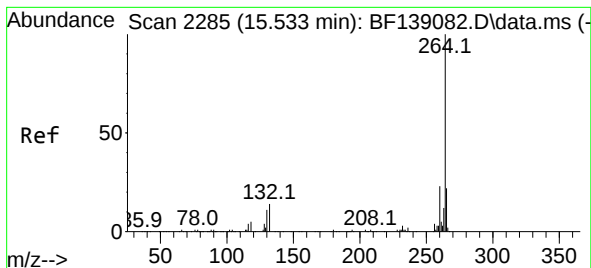
Ion Ratio Lower Upper

228 100

226 29.7 24.3 36.5

229 20.7 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: BF139135.D

Acq: 22 Aug 2024 21:20

Instrument :

BNA_F

ClientSampleId :

S-903-J-SO-0.5-1.0-081924

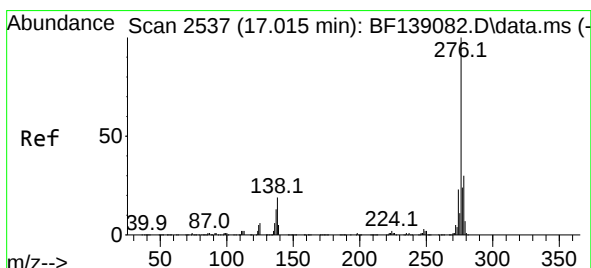
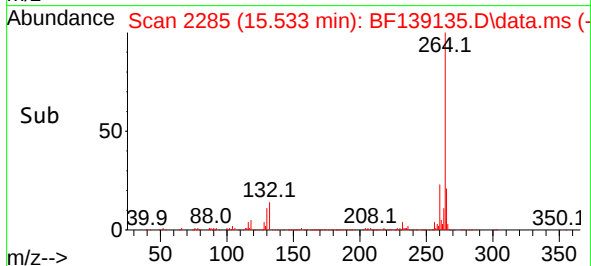
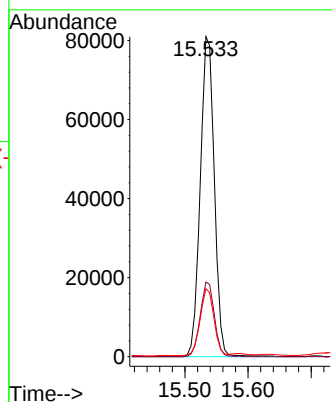
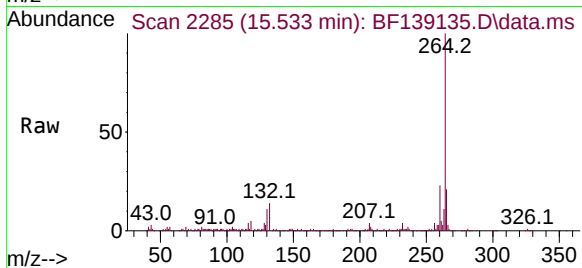
Tgt Ion:264 Resp: 125372

Ion Ratio Lower Upper

264 100

260 23.4 18.6 27.8

265 21.2 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.896 ng

RT: 17.010 min Scan# 2536

Delta R.T. -0.006 min

Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

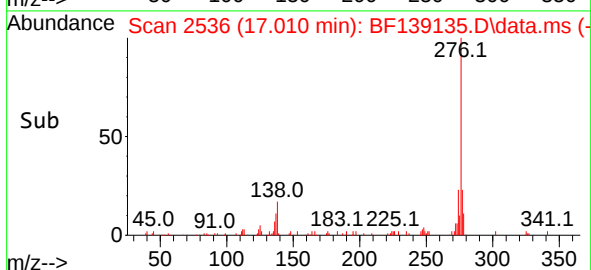
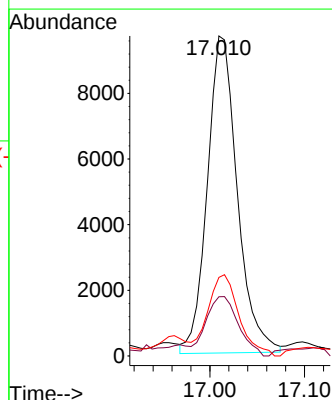
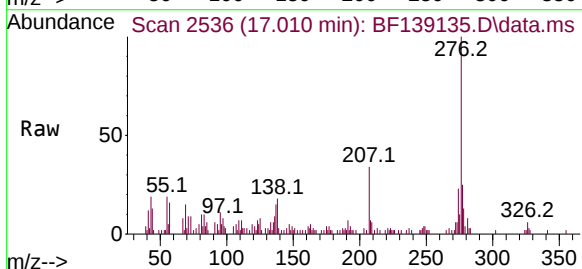
Tgt Ion:276 Resp: 21252

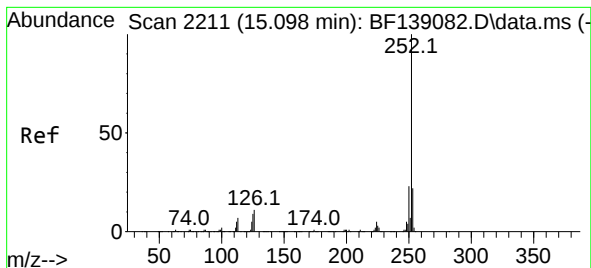
Ion Ratio Lower Upper

276 100

138 20.1 17.3 25.9

277 26.5 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 6.462 ng m

RT: 15.104 min Scan# 2212

Delta R.T. 0.006 min

Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

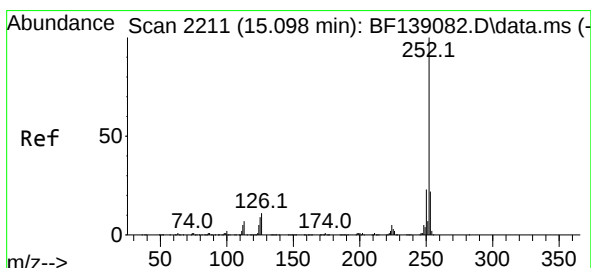
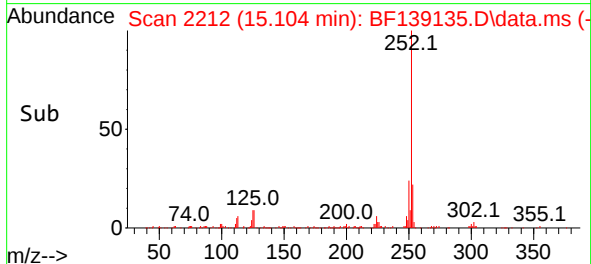
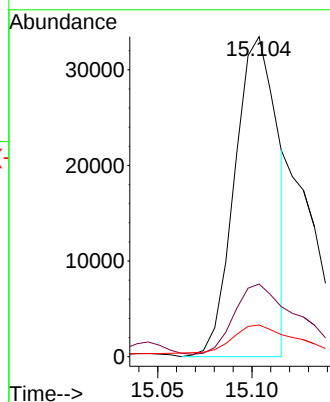
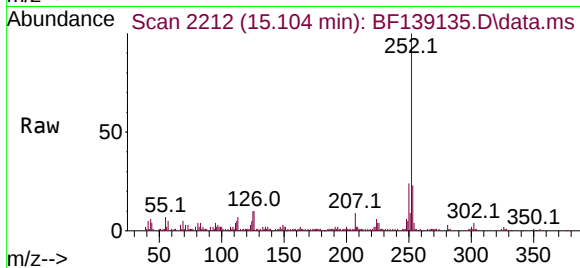
Instrument :

BNA_F

ClientSampleId :

S-903-J-SO-0.5-1.0-081924

Tgt Ion:	252	Resp:	52814
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.4	26.2
125	9.9	7.0	10.6



#89

Benzo(k)fluoranthene

Concen: 3.234 ng m

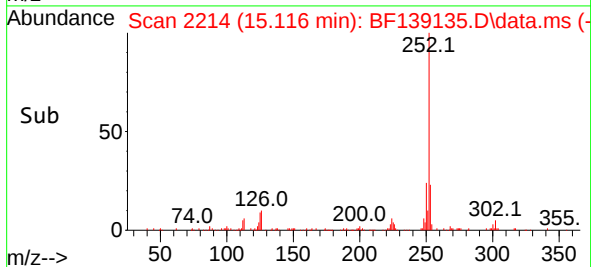
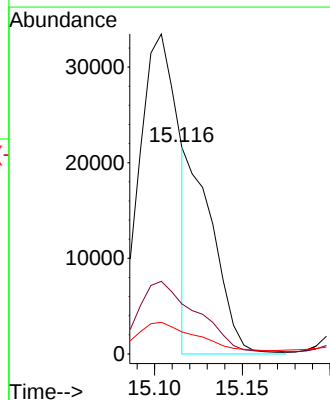
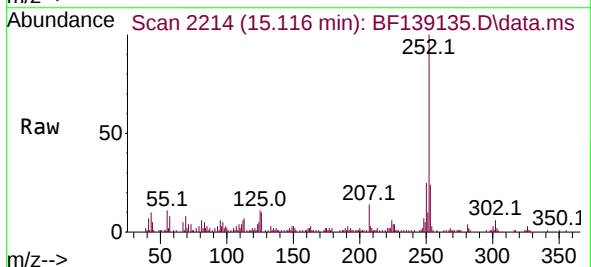
RT: 15.116 min Scan# 2214

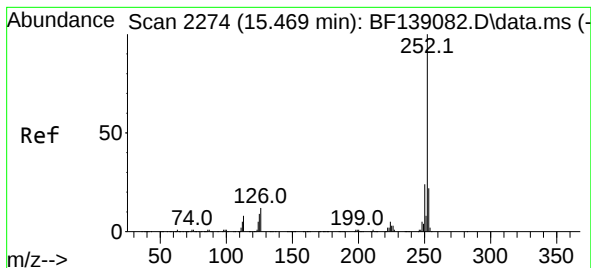
Delta R.T. -0.018 min

Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

Tgt Ion:	252	Resp:	22013
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.4	26.2
125	10.6	7.0	10.6





#90

Benzo(a)pyrene

Concen: 5.146 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

Instrument :

BNA_F

ClientSampleId :

S-903-J-SO-0.5-1.0-081924

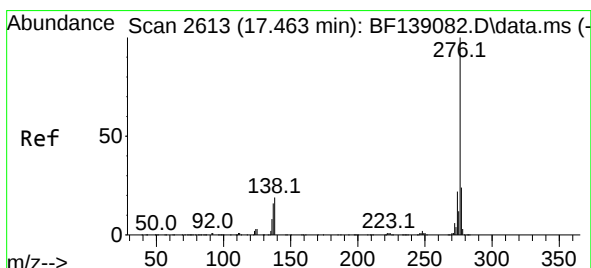
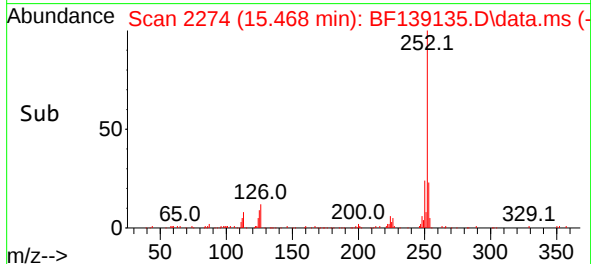
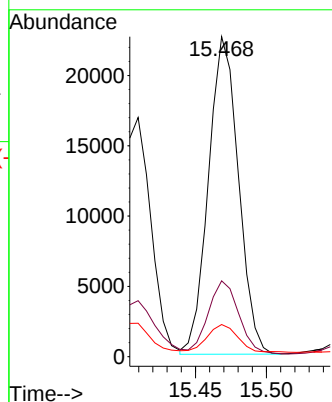
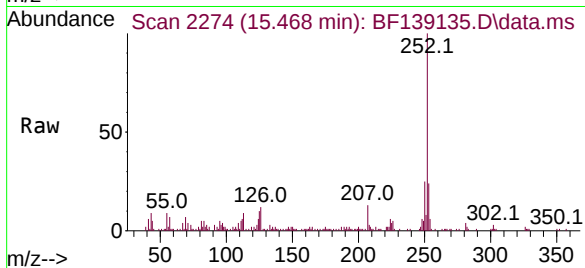
Tgt Ion:252 Resp: 33236

Ion Ratio Lower Upper

252 100

253 23.7 17.3 25.9

125 10.1 7.4 11.2



#92

Benzo(g,h,i)perylene

Concen: 5.644 ng

RT: 17.462 min Scan# 2613

Delta R.T. -0.001 min

Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

Tgt Ion:276 Resp: 20818

Ion Ratio Lower Upper

276 100

277 26.5 18.8 28.2

138 18.7 15.0 22.4

