

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101424\
 Data File : BF139800.D
 Acq On : 14 Oct 2024 20:50
 Operator : RC/JU
 Sample : P4364-05 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-2.0-2.5

Quant Time: Oct 15 01:13:46 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

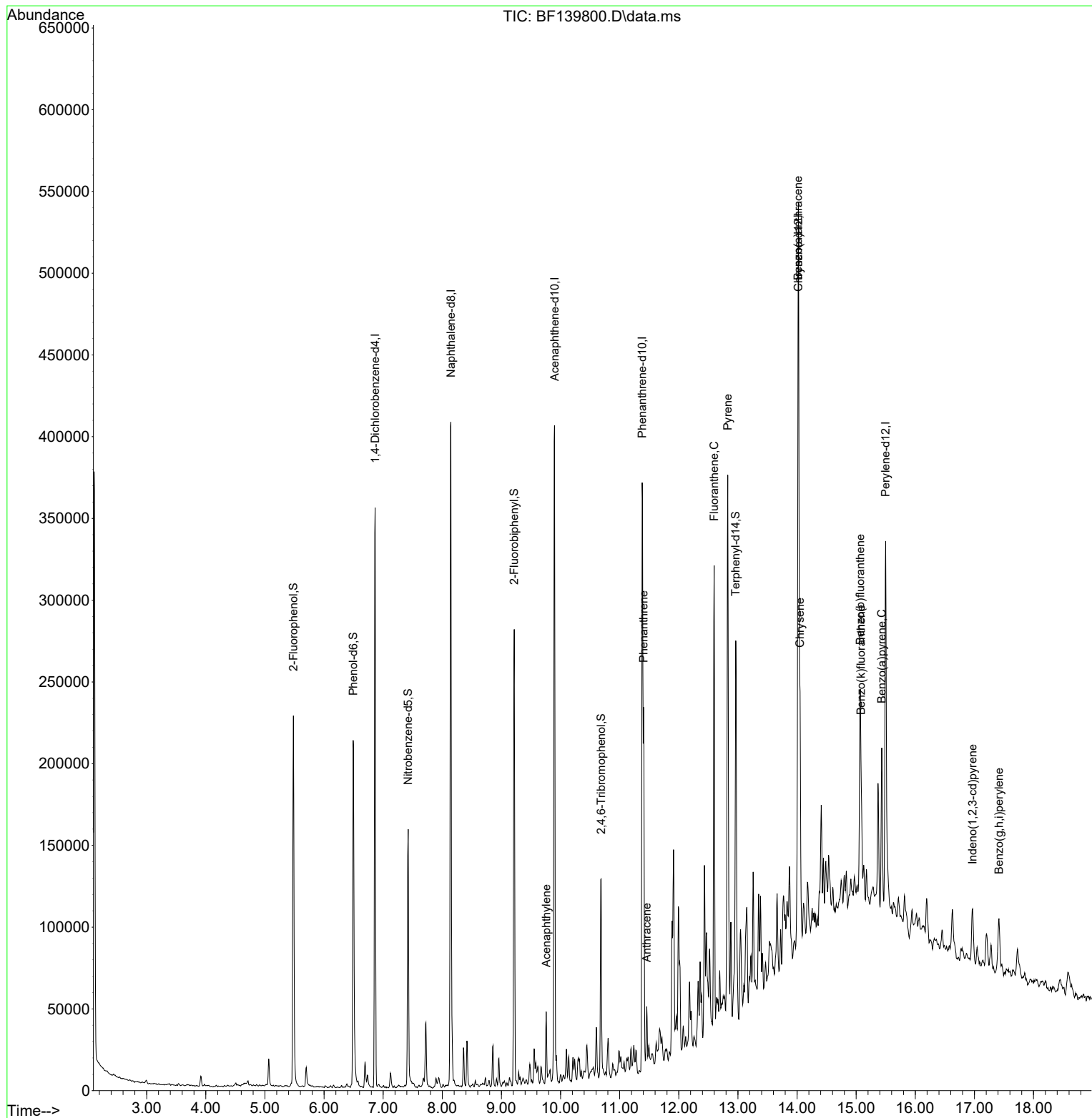
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	74317	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	253650	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	118262	20.000	ng	-0.01
64) Phenanthrene-d10	11.381	188	192952	20.000	ng	-0.01
76) Chrysene-d12	14.022	240	155448	20.000	ng	-0.01
86) Perylene-d12	15.498	264	132295	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	86935	20.275	ng	0.00
7) Phenol-d6	6.493	99	110635	19.187	ng	-0.01
23) Nitrobenzene-d5	7.422	82	67027	13.379	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	18022	15.786	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	117699	15.279	ng	-0.01
79) Terphenyl-d14	12.963	244	102503	10.820	ng	-0.02
Target Compounds						
						Qvalue
49) Acenaphthylene	9.757	152	21719	2.166	ng	98
71) Phenanthrene	11.404	178	110880	12.188	ng	99
72) Anthracene	11.457	178	21336	2.371	ng	98
75) Fluoranthene	12.598	202	152911	15.375	ng	99
78) Pyrene	12.827	202	190734	13.719	ng	98
81) Benzo(a)anthracene	14.016	228	97832m	9.572	ng	
83) Chrysene	14.051	228	80206	8.584	ng	97
87) Indeno(1,2,3-cd)pyrene	16.968	276	25485	3.273	ng	96
88) Benzo(b)fluoranthene	15.069	252	75565m	8.834	ng	
89) Benzo(k)fluoranthene	15.080	252	31718m	4.371	ng	
90) Benzo(a)pyrene	15.433	252	55692	8.257	ng	96
92) Benzo(g,h,i)perylene	17.415	276	29540	4.561	ng	97

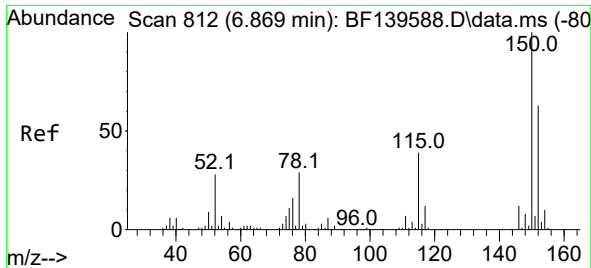
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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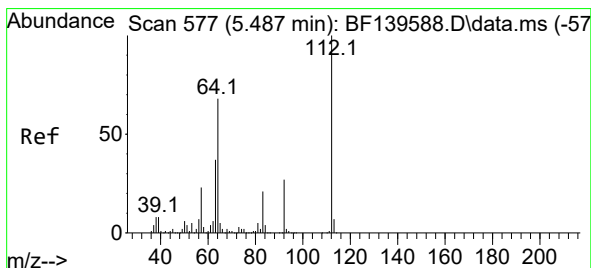
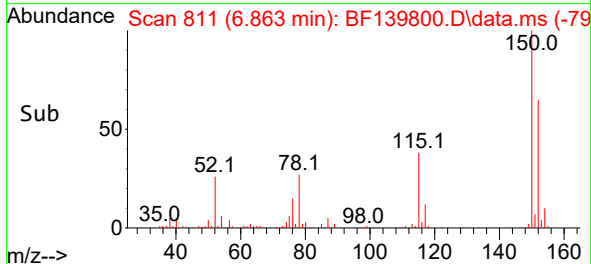
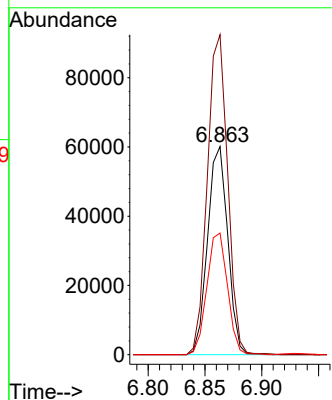
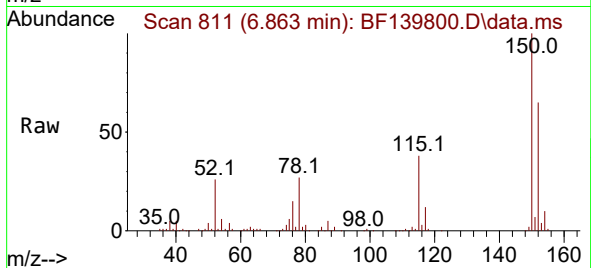




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139800.D
Acq: 14 Oct 2024 20:50

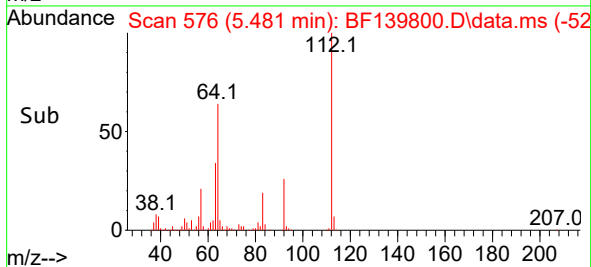
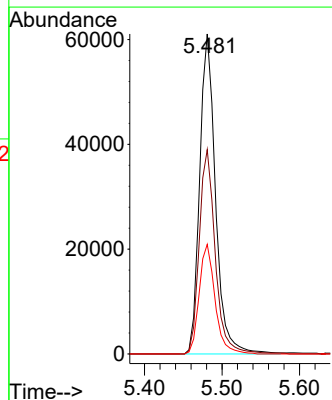
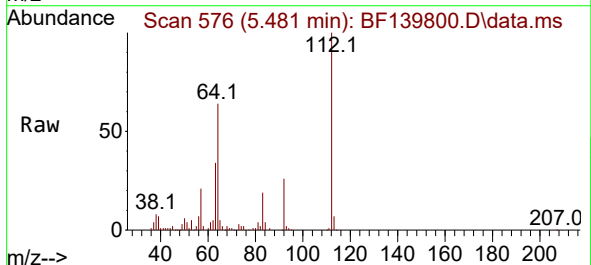
Instrument :
BNA_F
ClientSampleId :
SB-02-2.0-2.5

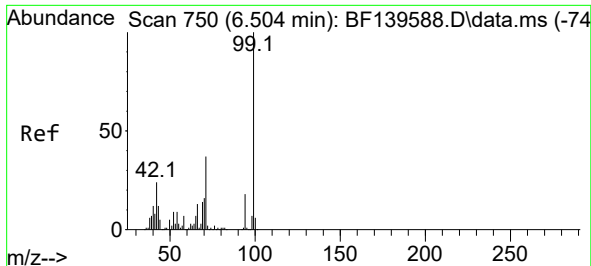
Tgt Ion:152 Resp: 74317
Ion Ratio Lower Upper
152 100
150 153.7 127.2 190.8
115 58.5 49.0 73.4



#5
2-Fluorophenol
Concen: 20.275 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF139800.D
Acq: 14 Oct 2024 20:50

Tgt Ion:112 Resp: 86935
Ion Ratio Lower Upper
112 100
64 63.9 54.2 81.4
63 34.2 29.4 44.2

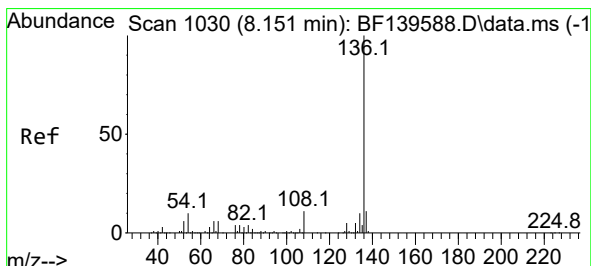
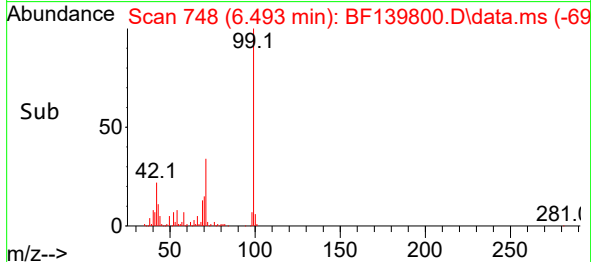
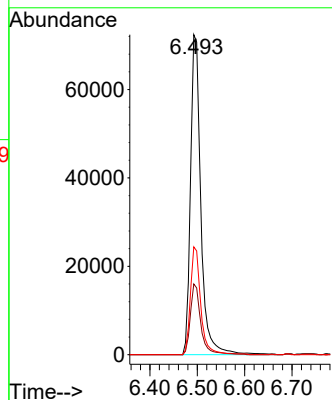
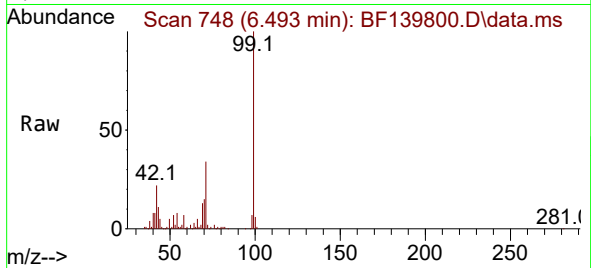




#7
Phenol-d6
Concen: 19.187 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139800.D
Acq: 14 Oct 2024 20:50

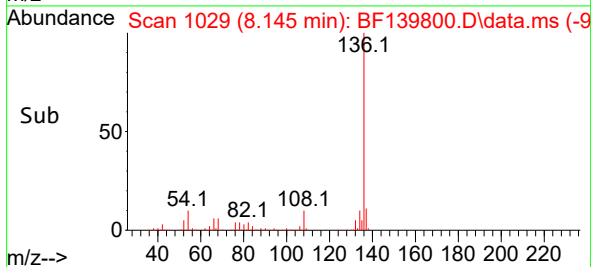
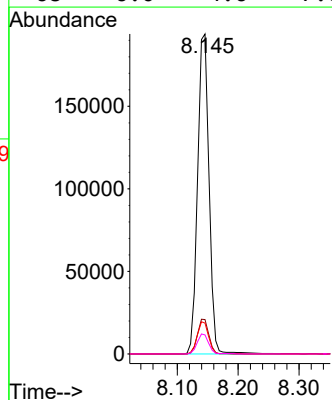
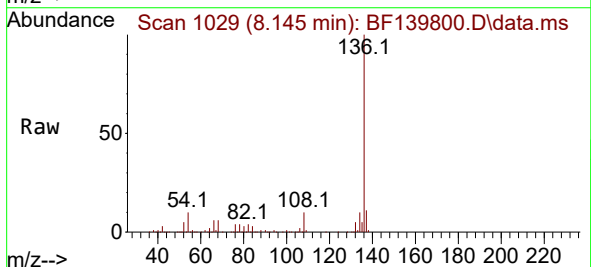
Instrument :
BNA_F
ClientSampleId :
SB-02-2.0-2.5

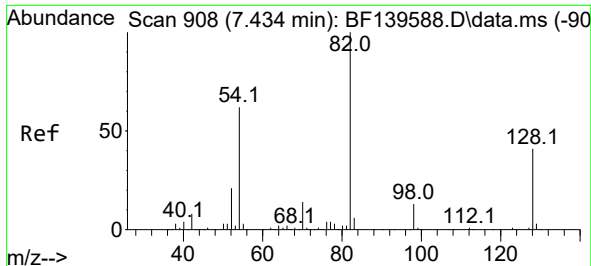
Tgt Ion: 99 Resp: 110635
Ion Ratio Lower Upper
99 100
42 22.1 19.1 28.7
71 33.7 29.7 44.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139800.D
Acq: 14 Oct 2024 20:50

Tgt Ion: 136 Resp: 253650
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.7 8.3 12.5
68 6.0 4.6 7.0





#23

Nitrobenzene-d5

Concen: 13.379 ng

RT: 7.422 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF139800.D

Acq: 14 Oct 2024 20:50

Instrument :

BNA_F

ClientSampleId :

SB-02-2.0-2.5

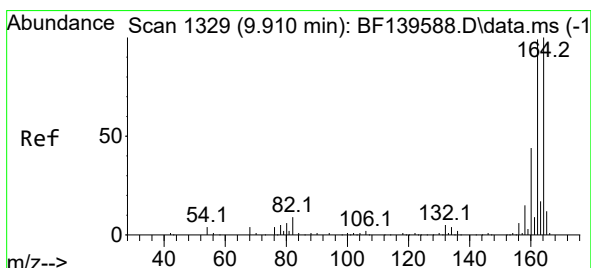
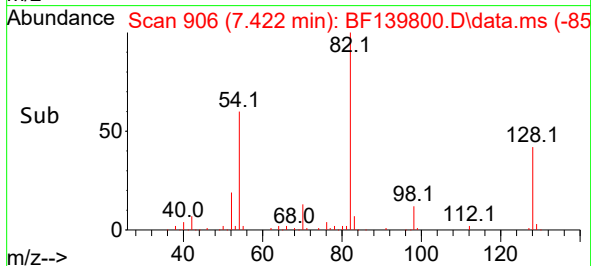
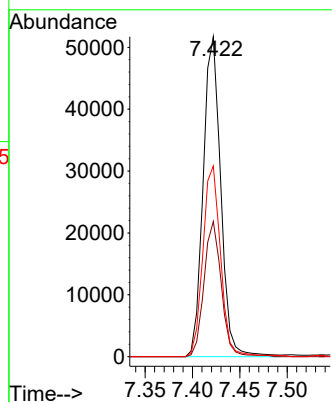
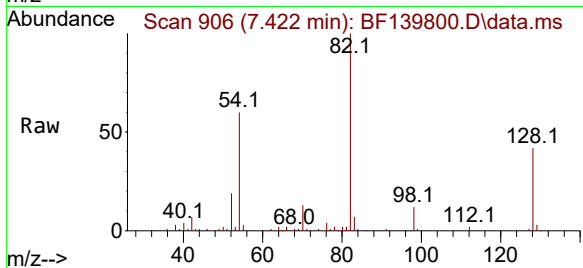
Tgt Ion: 82 Resp: 67027

Ion Ratio Lower Upper

82 100

128 42.2 32.4 48.6

54 59.6 49.1 73.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1327

Delta R.T. -0.012 min

Lab File: BF139800.D

Acq: 14 Oct 2024 20:50

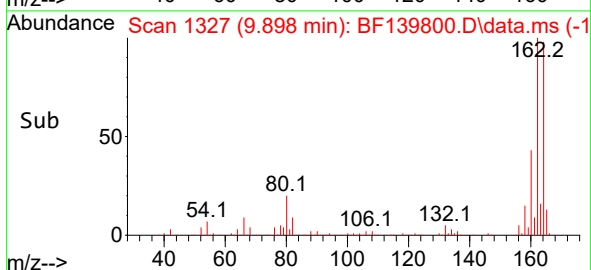
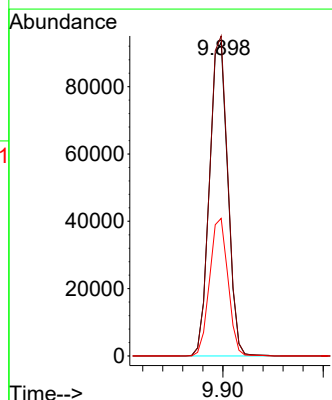
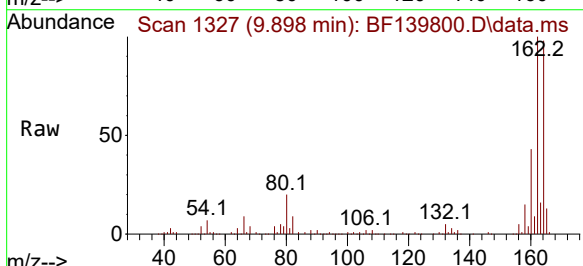
Tgt Ion:164 Resp: 118262

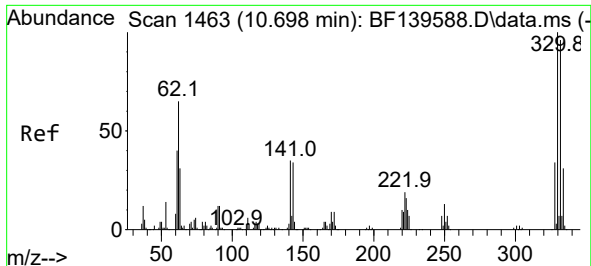
Ion Ratio Lower Upper

164 100

162 102.1 79.4 119.0

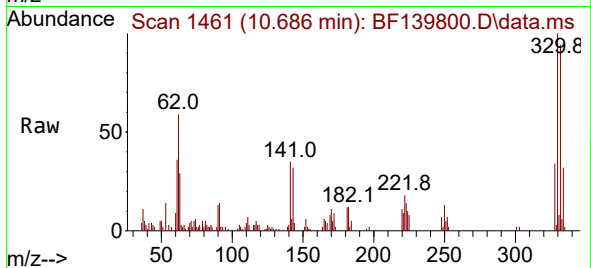
160 43.9 35.1 52.7



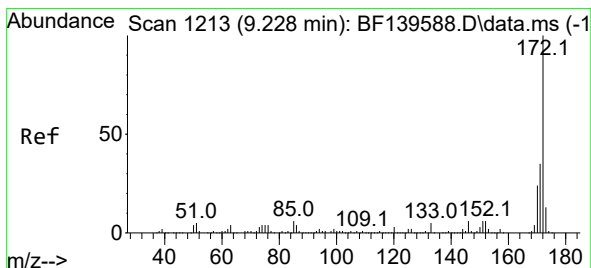
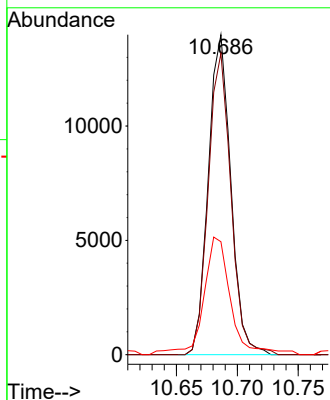
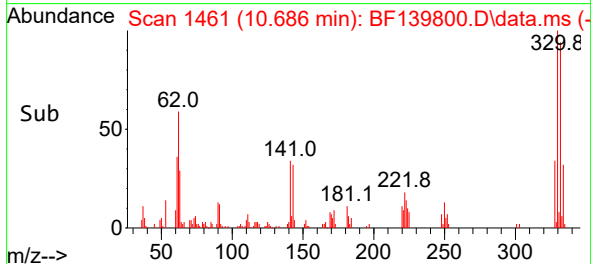


#42
2,4,6-Tribromophenol
Concen: 15.786 ng
RT: 10.686 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF139800.D
Acq: 14 Oct 2024 20:50

Instrument :
BNA_F
ClientSampleId :
SB-02-2.0-2.5

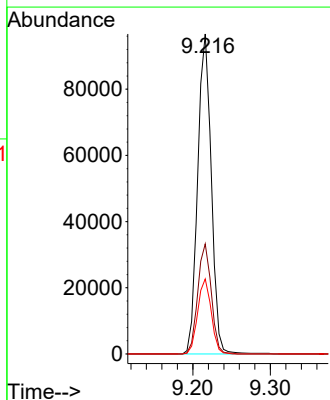
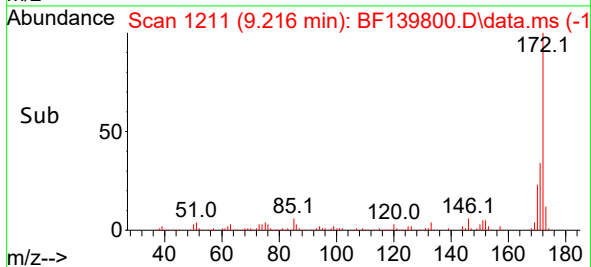
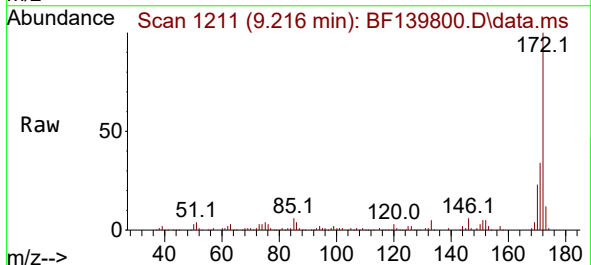


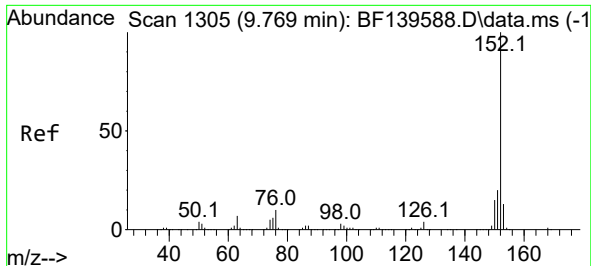
Tgt Ion:330 Resp: 18022
Ion Ratio Lower Upper
330 100
332 95.0 76.5 114.7
141 44.0 29.3 43.9#



#45
2-Fluorobiphenyl
Concen: 15.279 ng
RT: 9.216 min Scan# 1211
Delta R.T. -0.012 min
Lab File: BF139800.D
Acq: 14 Oct 2024 20:50

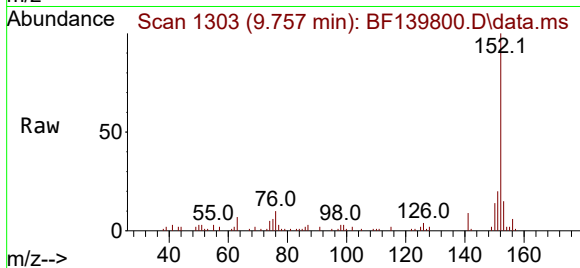
Tgt Ion:172 Resp: 117699
Ion Ratio Lower Upper
172 100
171 34.4 28.2 42.4
170 23.5 18.8 28.2



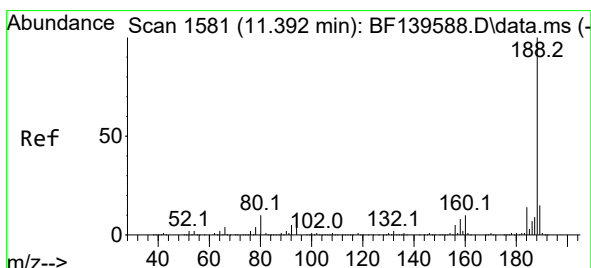
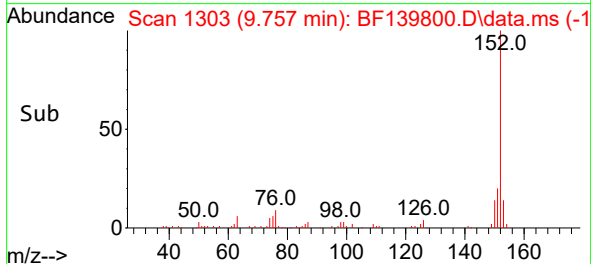
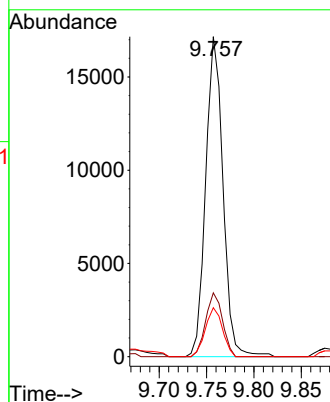


#49
Acenaphthylene
Concen: 2.166 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139800.D
Acq: 14 Oct 2024 20:50

Instrument :
BNA_F
ClientSampleId :
SB-02-2.0-2.5

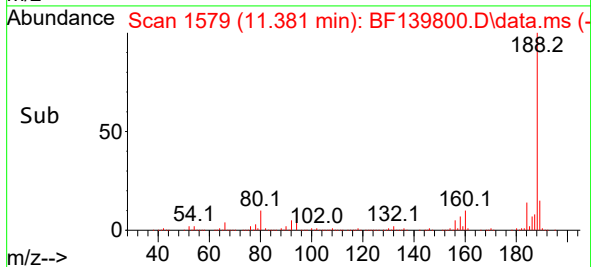
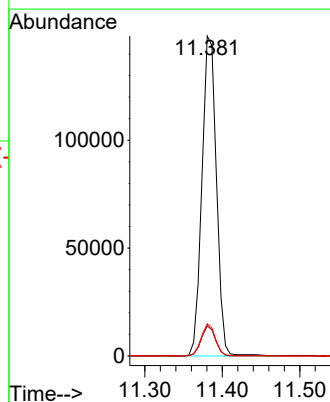
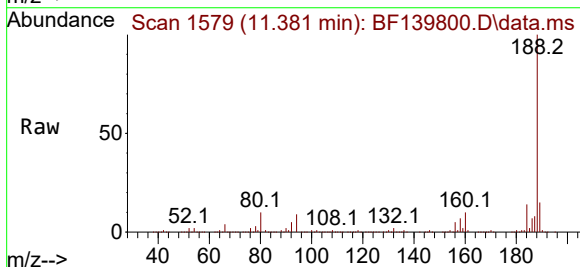


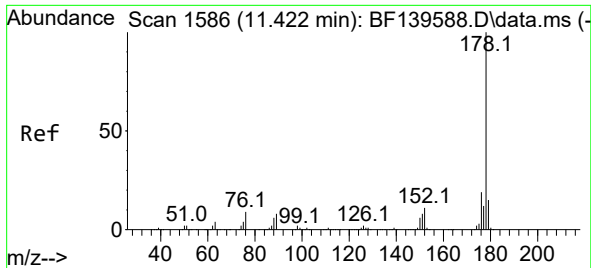
Tgt Ion:152 Resp: 21719
Ion Ratio Lower Upper
152 100
151 20.0 16.0 24.0
153 15.3 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.381 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF139800.D
Acq: 14 Oct 2024 20:50

Tgt Ion:188 Resp: 192952
Ion Ratio Lower Upper
188 100
94 9.4 7.4 11.2
80 10.1 8.2 12.2

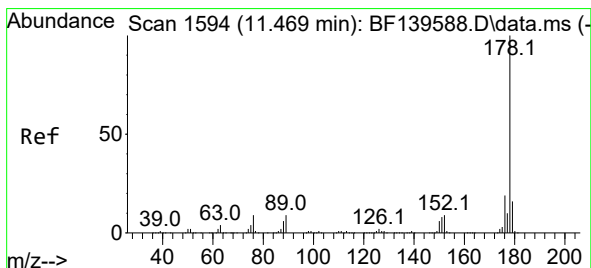
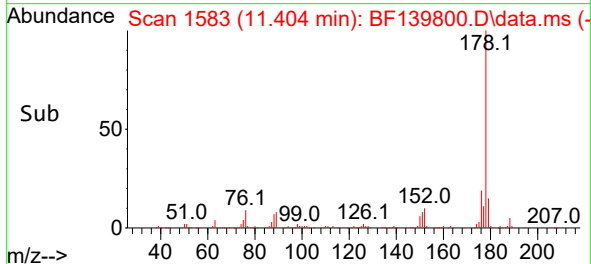
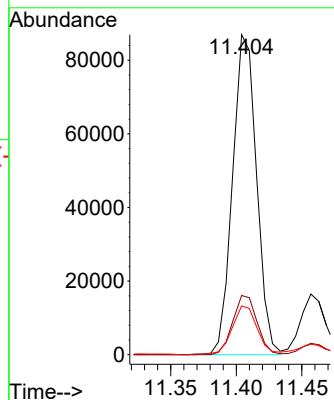
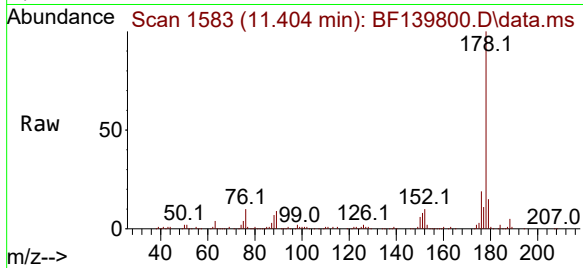




#71
Phenanthrene
Concen: 12.188 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.018 min
Lab File: BF139800.D
Acq: 14 Oct 2024 20:50

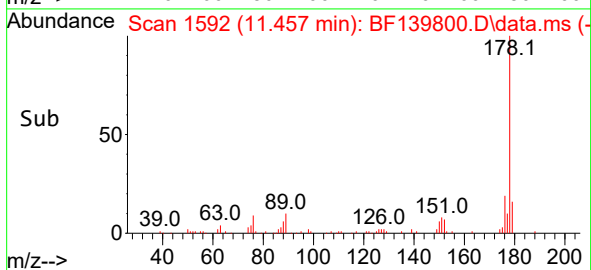
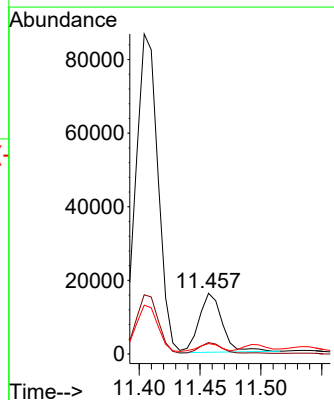
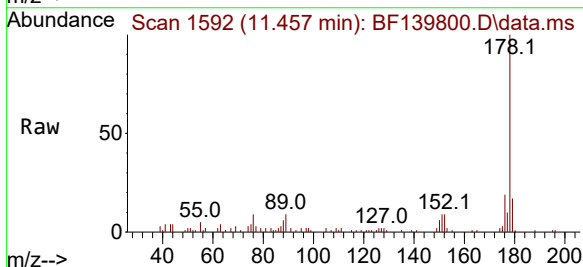
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SB-02-2.0-2.5

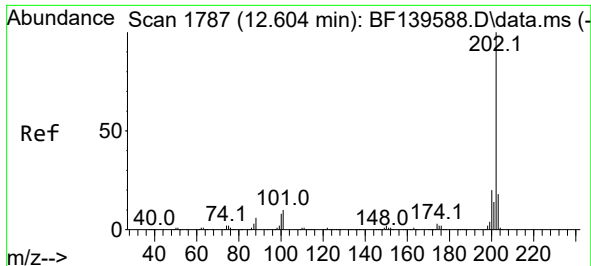
Tgt Ion:178 Resp: 110880
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.2 12.3 18.5



#72
Anthracene
Concen: 2.371 ng
RT: 11.457 min Scan# 1592
Delta R.T. -0.012 min
Lab File: BF139800.D
Acq: 14 Oct 2024 20:50

Tgt Ion:178 Resp: 21336
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 17.3 12.5 18.7

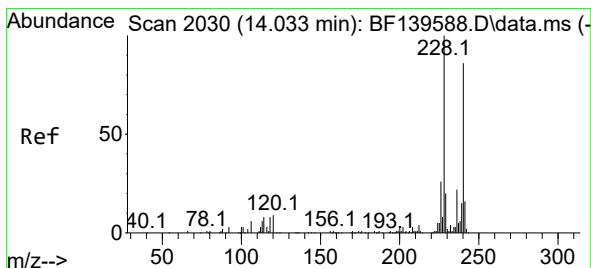
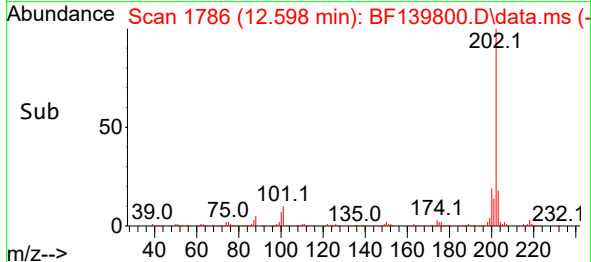
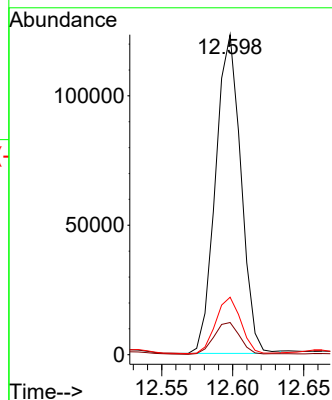
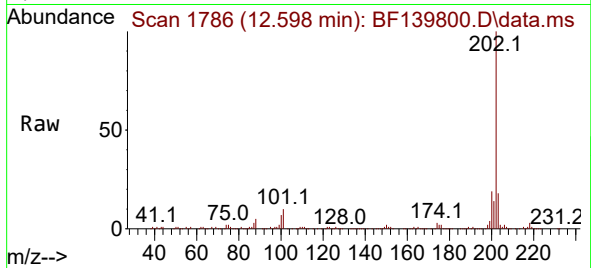




#75
Fluoranthene
Concen: 15.375 ng
RT: 12.598 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139800.D
Acq: 14 Oct 2024 20:50

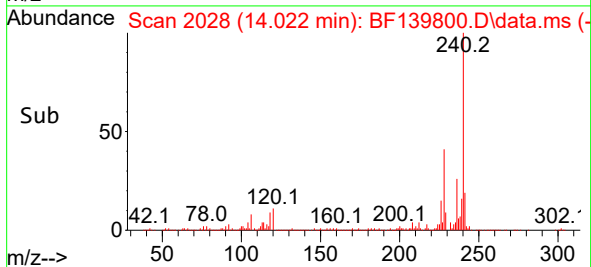
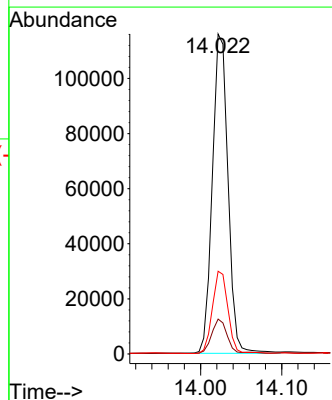
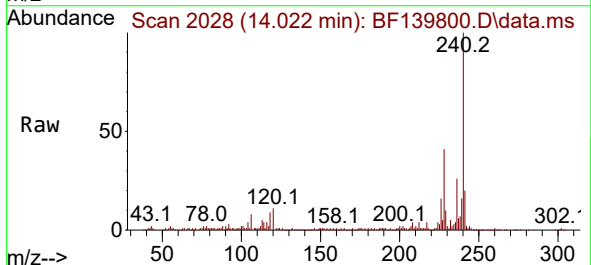
Instrument :
BNA_F
ClientSampleId :
SB-02-2.0-2.5

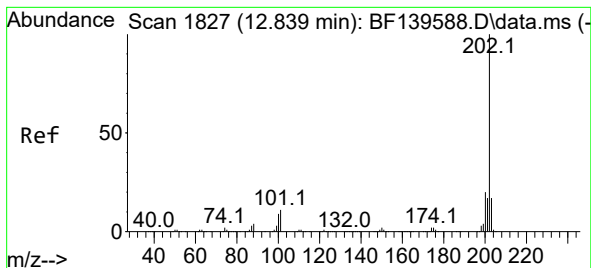
Tgt Ion:202 Resp: 152911
Ion Ratio Lower Upper
202 100
101 10.1 0.0 30.2
203 18.0 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.022 min Scan# 2028
Delta R.T. -0.011 min
Lab File: BF139800.D
Acq: 14 Oct 2024 20:50

Tgt Ion:240 Resp: 155448
Ion Ratio Lower Upper
240 100
120 10.9 8.4 12.6
236 25.8 20.3 30.5





#78

Pyrene

Concen: 13.719 ng

RT: 12.827 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF139800.D

Acq: 14 Oct 2024 20:50

Instrument :

BNA_F

ClientSampleId :

SB-02-2.0-2.5

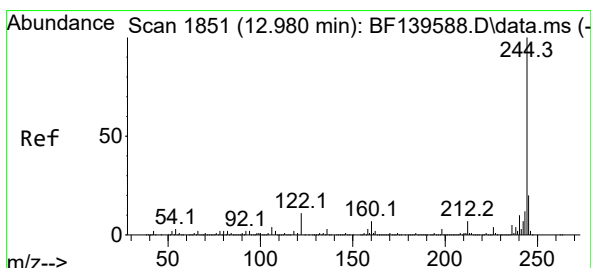
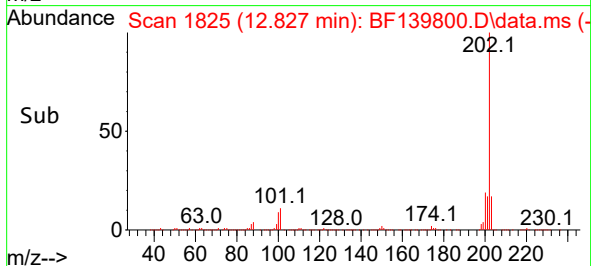
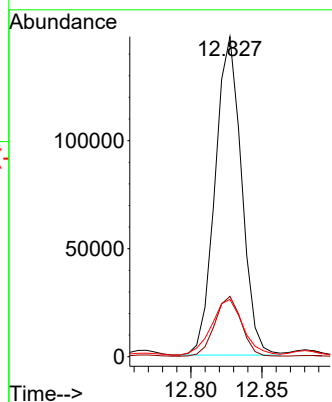
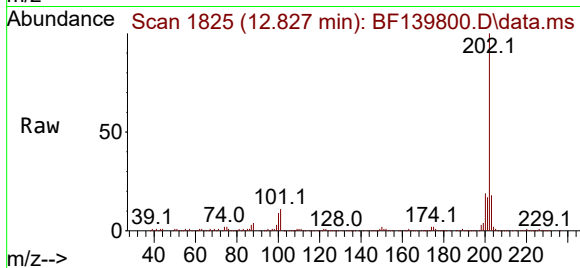
Tgt Ion:202 Resp: 190734

Ion Ratio Lower Upper

202 100

200 18.8 15.8 23.6

203 17.9 13.8 20.8



#79

Terphenyl-d14

Concen: 10.820 ng

RT: 12.963 min Scan# 1848

Delta R.T. -0.017 min

Lab File: BF139800.D

Acq: 14 Oct 2024 20:50

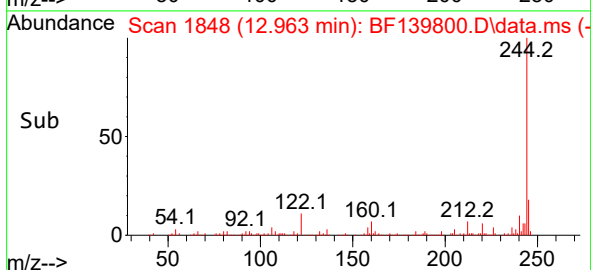
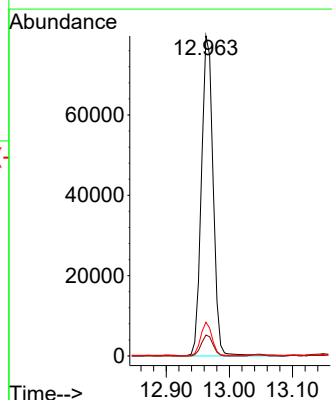
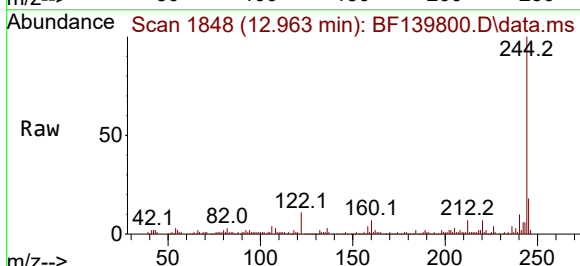
Tgt Ion:244 Resp: 102503

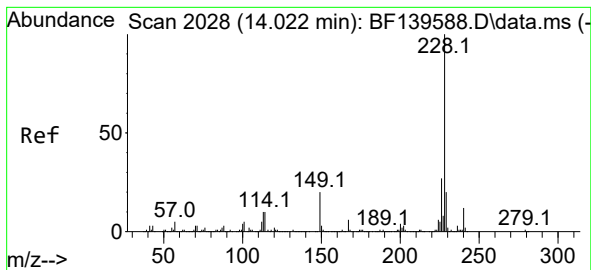
Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.6

122 10.5 8.6 12.8





#81

Benzo(a)anthracene

Concen: 9.572 ng m

RT: 14.016 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF139800.D

Acq: 14 Oct 2024 20:50

Instrument :

BNA_F

ClientSampleId :

SB-02-2.0-2.5

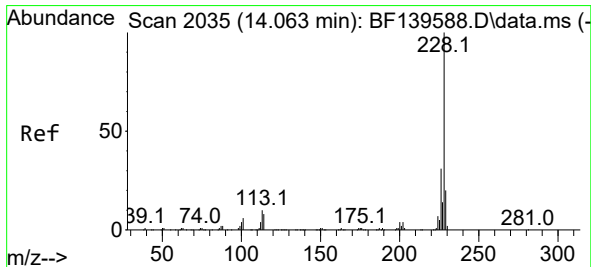
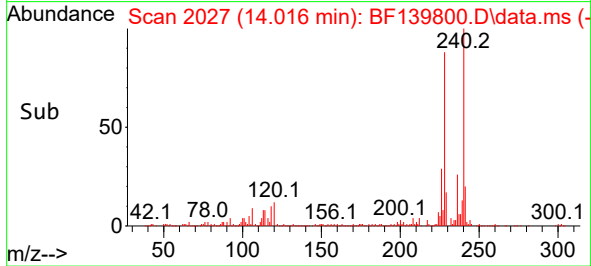
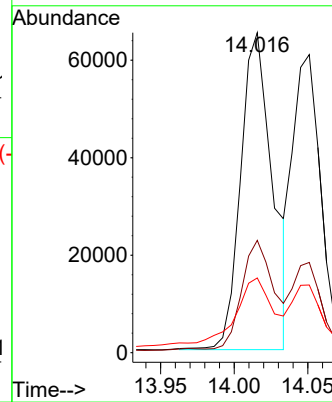
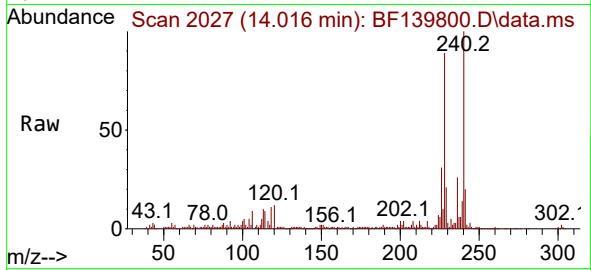
Tgt Ion:228 Resp: 97832

Ion Ratio Lower Upper

228 100

226 35.1 21.8 32.8#

229 23.4 15.8 23.8



#83

Chrysene

Concen: 8.584 ng

RT: 14.051 min Scan# 2033

Delta R.T. -0.012 min

Lab File: BF139800.D

Acq: 14 Oct 2024 20:50

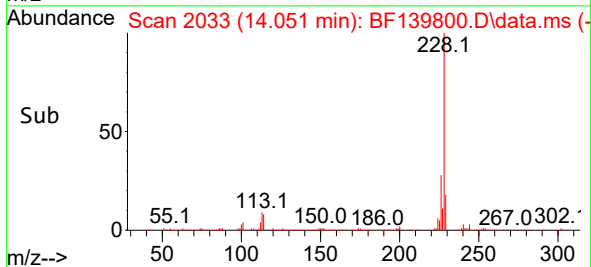
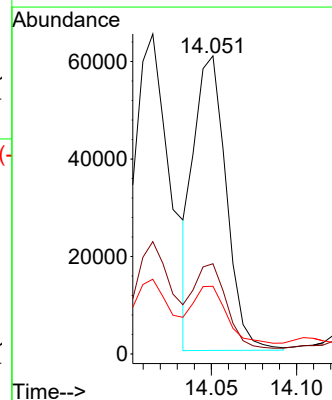
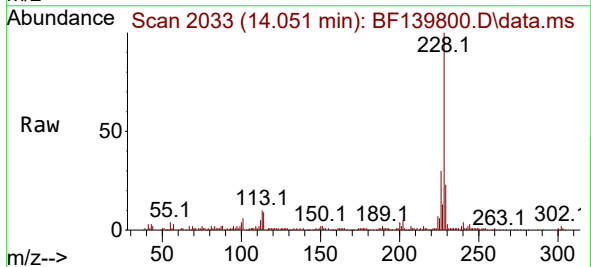
Tgt Ion:228 Resp: 80206

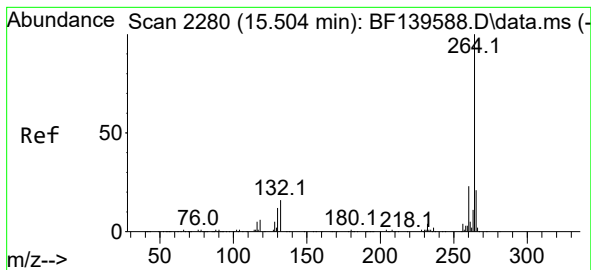
Ion Ratio Lower Upper

228 100

226 30.3 24.3 36.5

229 22.7 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139800.D

Acq: 14 Oct 2024 20:50

Instrument :

BNA_F

ClientSampleId :

SB-02-2.0-2.5

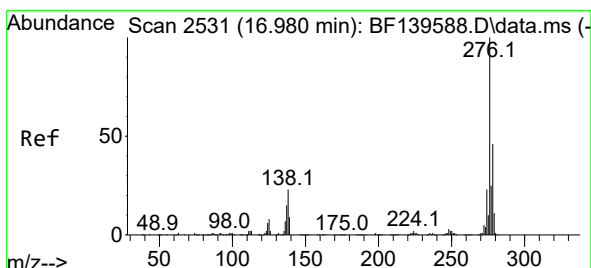
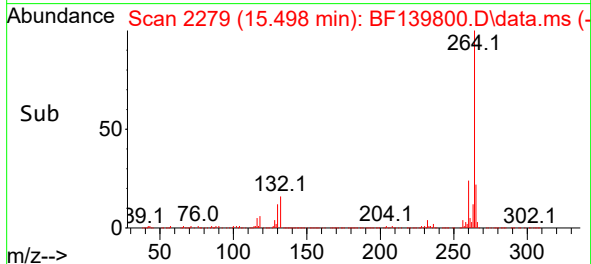
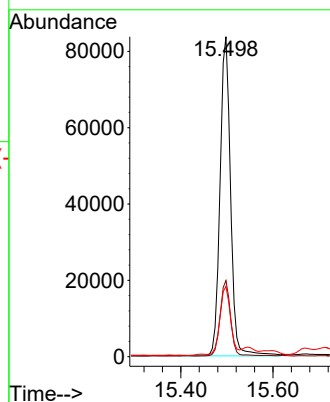
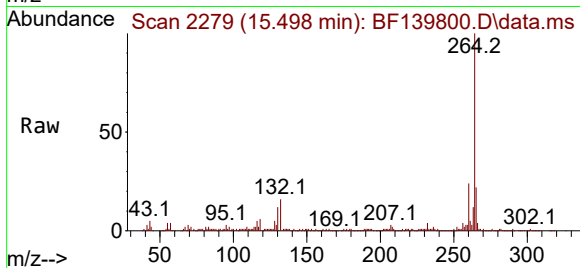
Tgt Ion:264 Resp: 132295

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

265 22.0 16.9 25.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.273 ng

RT: 16.968 min Scan# 2529

Delta R.T. -0.012 min

Lab File: BF139800.D

Acq: 14 Oct 2024 20:50

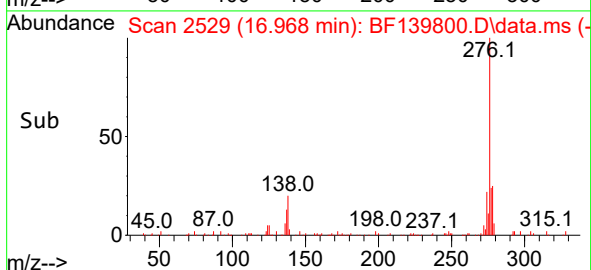
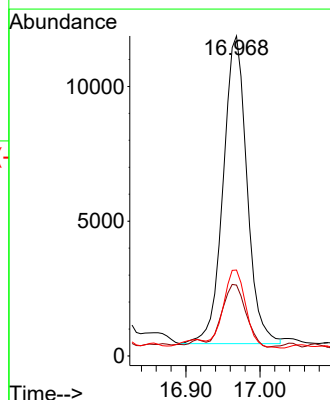
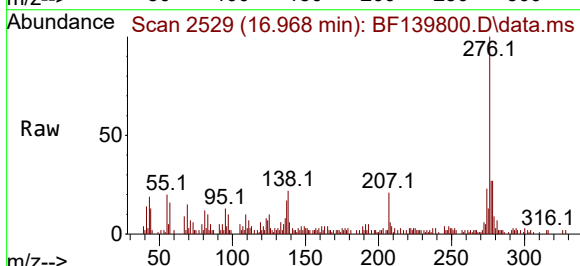
Tgt Ion:276 Resp: 25485

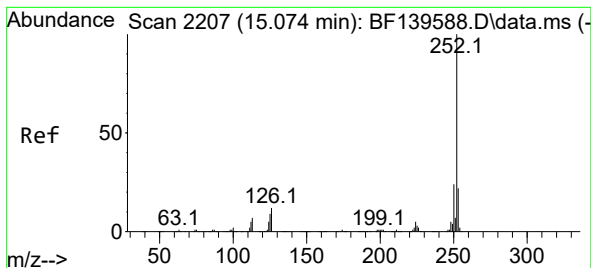
Ion Ratio Lower Upper

276 100

138 21.6 19.4 29.0

277 24.0 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 8.834 ng m

RT: 15.069 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139800.D

Acq: 14 Oct 2024 20:50

Instrument :

BNA_F

ClientSampleId :

SB-02-2.0-2.5

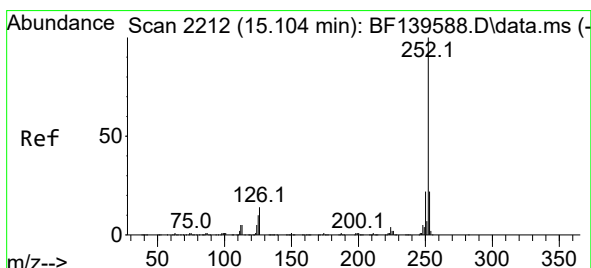
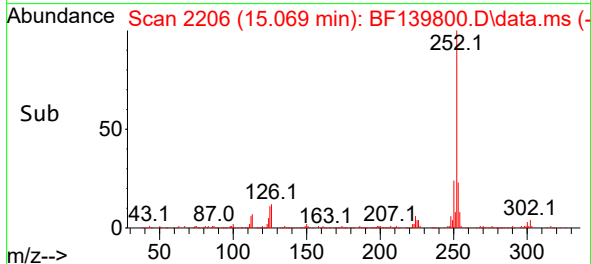
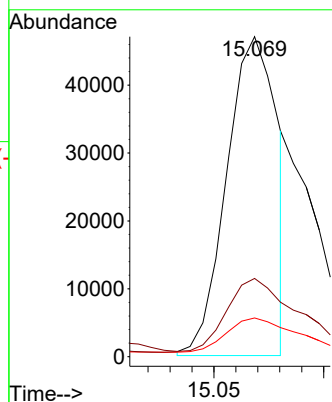
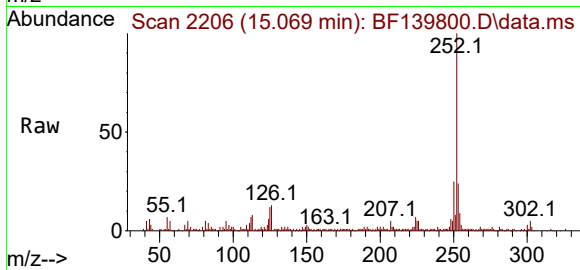
Tgt Ion:252 Resp: 75565

Ion Ratio Lower Upper

252 100

253 24.4 17.4 26.0

125 12.1 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 4.371 ng m

RT: 15.080 min Scan# 2208

Delta R.T. -0.023 min

Lab File: BF139800.D

Acq: 14 Oct 2024 20:50

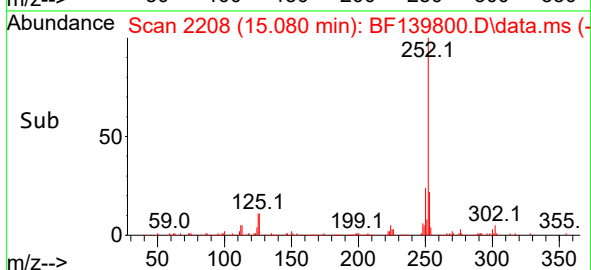
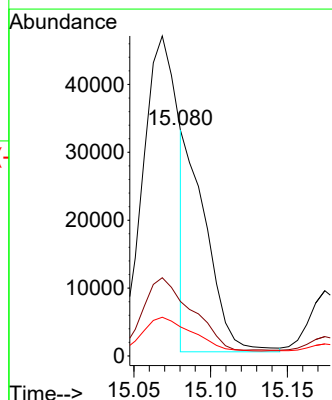
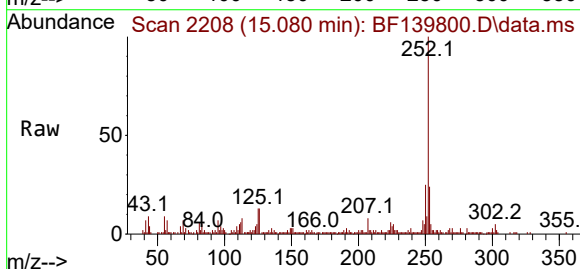
Tgt Ion:252 Resp: 31718

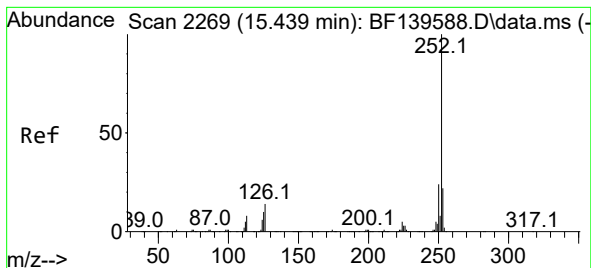
Ion Ratio Lower Upper

252 100

253 24.2 17.5 26.3

125 12.9 7.6 11.4#





#90

Benzo(a)pyrene

Concen: 8.257 ng

RT: 15.433 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139800.D

Acq: 14 Oct 2024 20:50

Instrument :

BNA_F

ClientSampleId :

SB-02-2.0-2.5

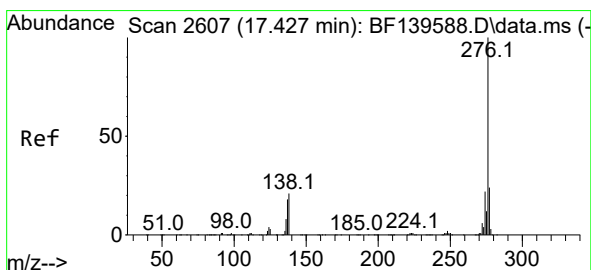
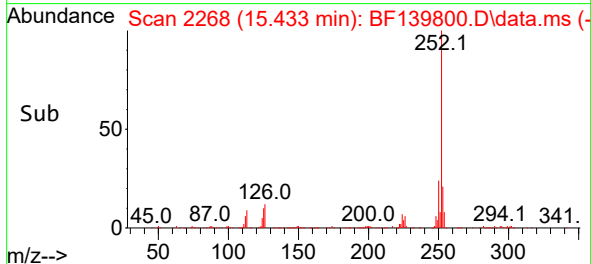
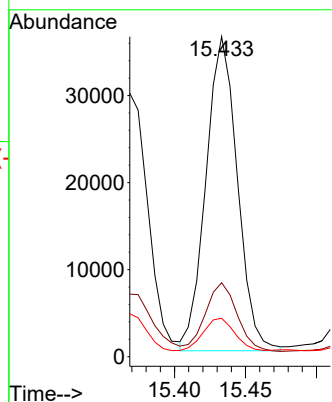
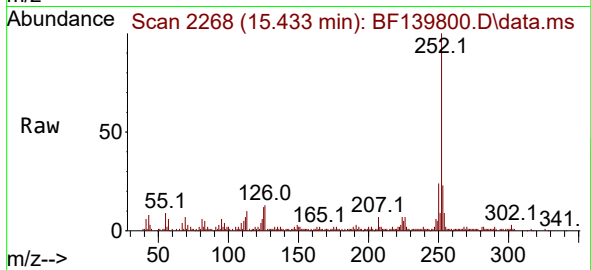
Tgt Ion:252 Resp: 55692

Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

125 12.0 8.3 12.5



#92

Benzo(g,h,i)perylene

Concen: 4.561 ng

RT: 17.415 min Scan# 2605

Delta R.T. -0.012 min

Lab File: BF139800.D

Acq: 14 Oct 2024 20:50

Tgt Ion:276 Resp: 29540

Ion Ratio Lower Upper

276 100

277 26.3 19.0 28.6

138 22.1 17.0 25.6

