

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092024\
 Data File : BF139504.D
 Acq On : 20 Sep 2024 16:24
 Operator : RC/JU
 Sample : P4125-01 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-09192024

Quant Time: Sep 20 16:53:35 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

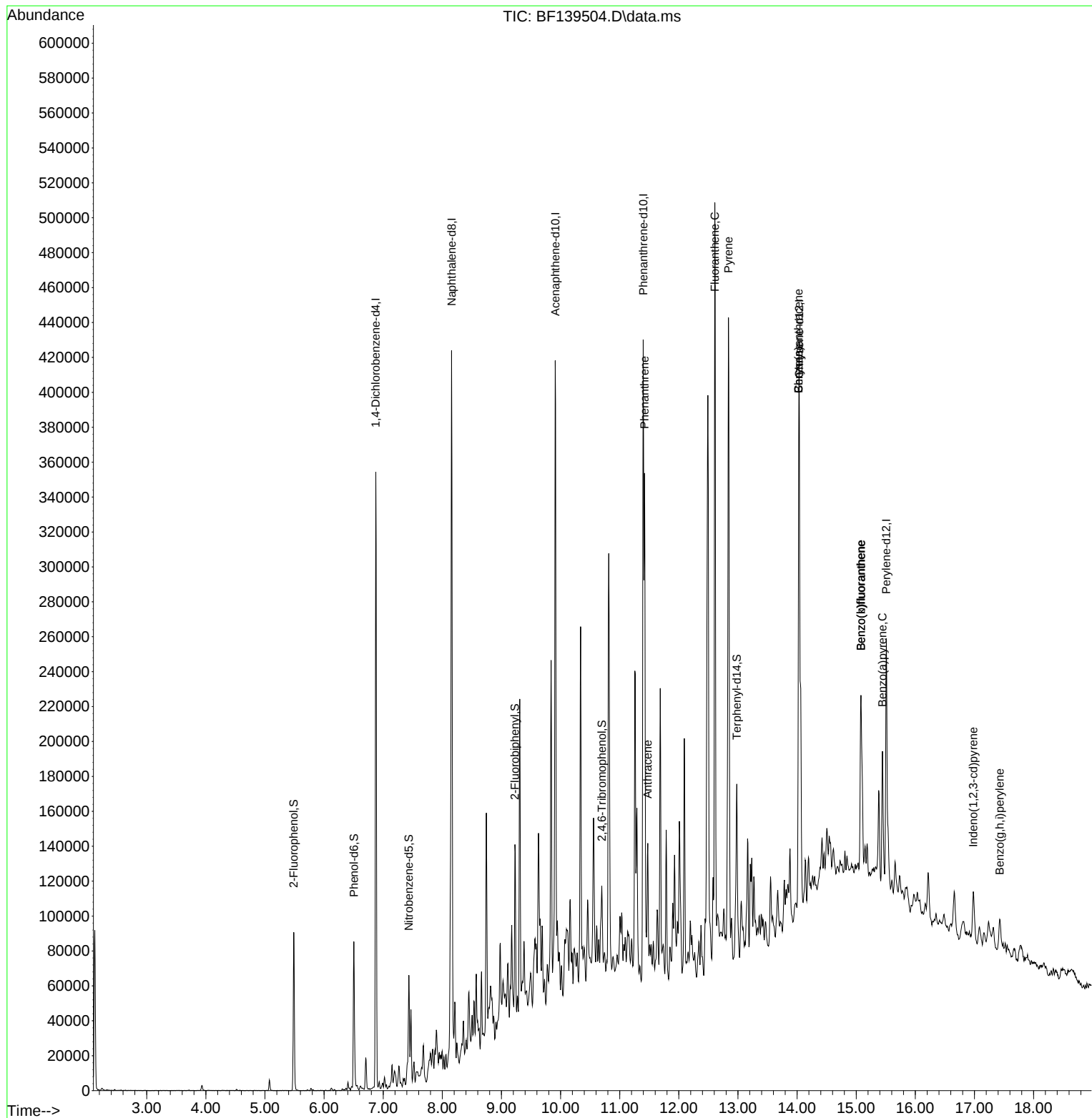
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	69085	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	227798	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	100633	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	179805	20.000	ng	0.00
76) Chrysene-d12	14.039	240	97718	20.000	ng	0.00
86) Perylene-d12	15.509	264	79171	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	30030	7.091	ng	0.00
7) Phenol-d6	6.504	99	37898	6.818	ng	0.00
23) Nitrobenzene-d5	7.434	82	24494	5.055	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	6233	5.818	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	41527	5.788	ng	0.00
79) Terphenyl-d14	12.980	244	39495	6.634	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.422	178	141909	16.359	ng	99
72) Anthracene	11.474	178	38132	4.496	ng	99
75) Fluoranthene	12.610	202	246694	26.629	ng	98
78) Pyrene	12.839	202	203204	24.219	ng	98
81) Benzo(a)anthracene	14.027	228	83941	12.968	ng	96
83) Chrysene	14.027	228	83941	14.096	ng	96
87) Indeno(1,2,3-cd)pyrene	16.980	276	20559	4.367	ng	98
88) Benzo(b)fluoranthene	15.080	252	88329	18.090	ng	# 95
89) Benzo(k)fluoranthene	15.080	252	88329	19.620	ng	# 94
90) Benzo(a)pyrene	15.445	252	46556	11.497	ng	# 94
92) Benzo(g,h,i)perylene	17.427	276	19458	5.052	ng	# 91

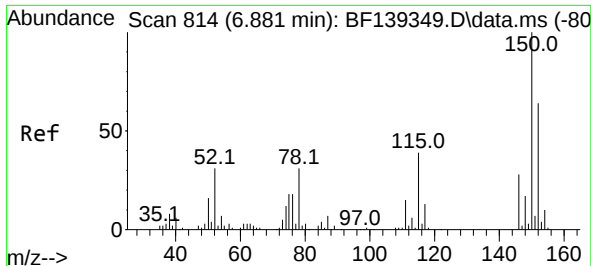
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092024\
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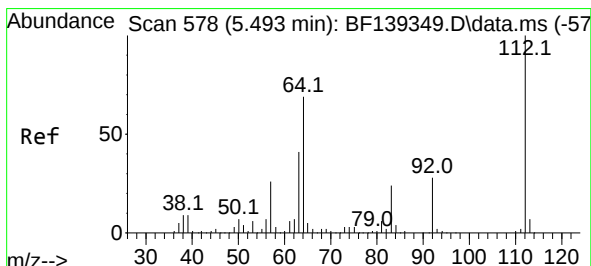
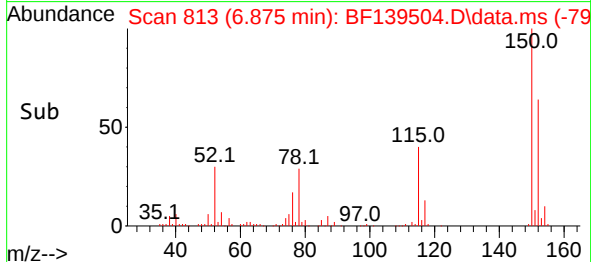
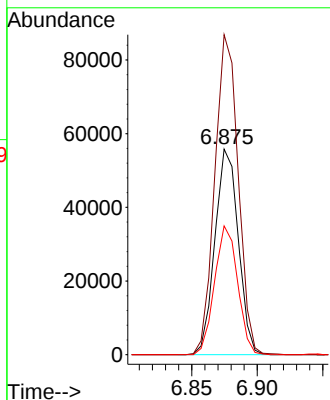
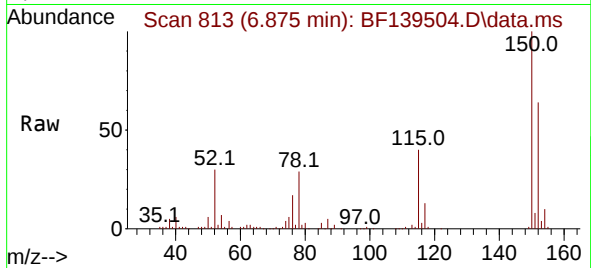




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139504.D
Acq: 20 Sep 2024 16:24

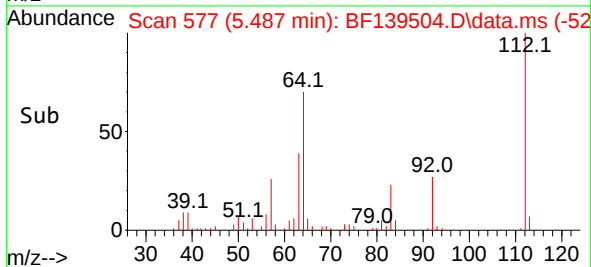
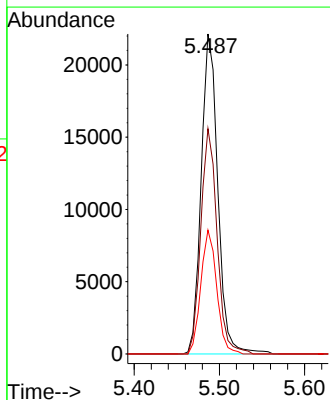
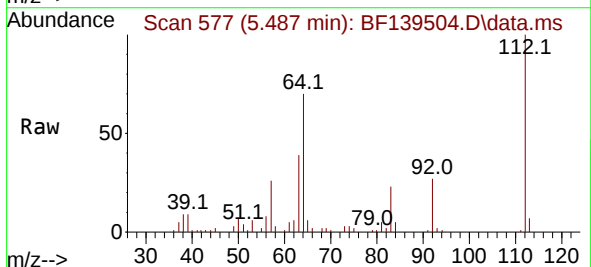
Instrument :
BNA_F
ClientSampleId :
PL-01-09192024

Tgt Ion:152 Resp: 69085
Ion Ratio Lower Upper
152 100
150 155.7 124.1 186.1
115 62.7 48.1 72.1



#5
2-Fluorophenol
Concen: 7.091 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF139504.D
Acq: 20 Sep 2024 16:24

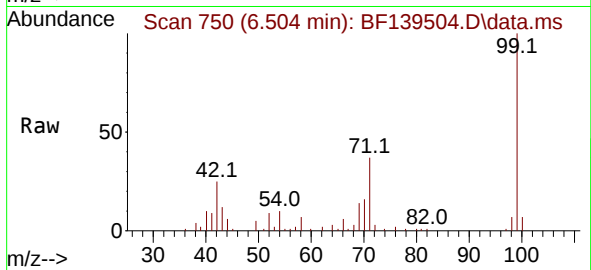
Tgt Ion:112 Resp: 30030
Ion Ratio Lower Upper
112 100
64 70.4 54.8 82.2
63 38.7 33.0 49.4



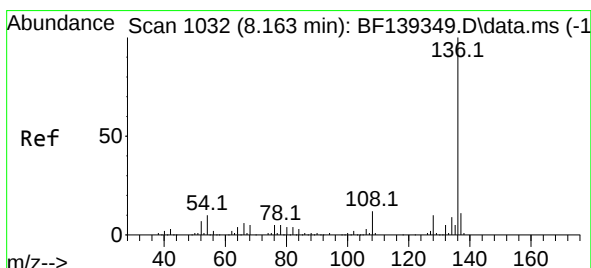
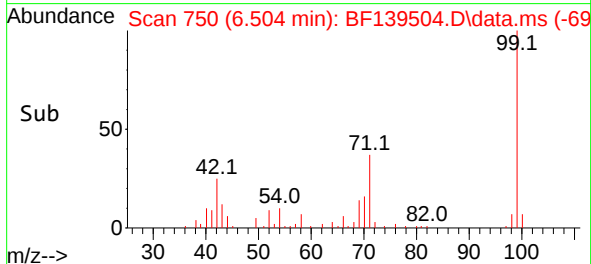
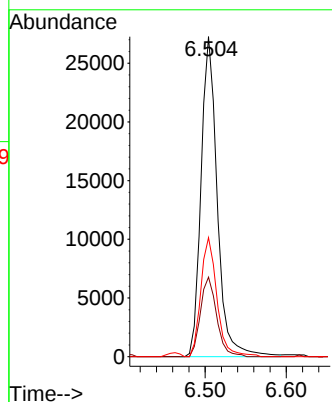


#7
Phenol-d6
Concen: 6.818 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139504.D
Acq: 20 Sep 2024 16:24

Instrument :
BNA_F
ClientSampleId :
PL-01-09192024

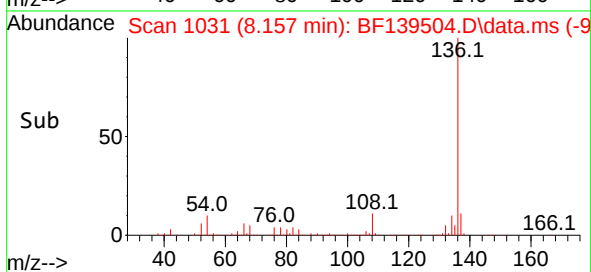
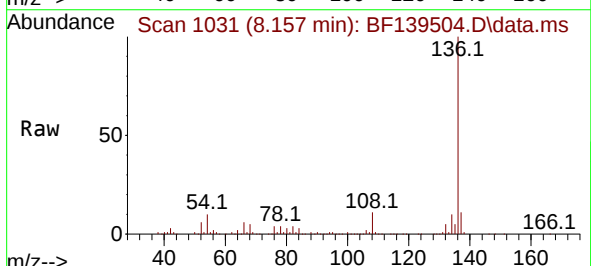
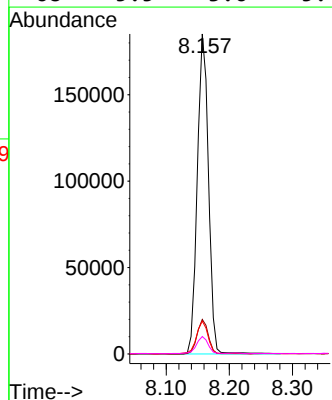


Tgt Ion	Ratio	Lower	Upper
99	100		
42	24.9	21.9	32.9
71	37.2	34.6	52.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139504.D
Acq: 20 Sep 2024 16:24

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	10.3	7.8	11.8
68	5.5	3.6	5.4





#23

Nitrobenzene-d5

Concen: 5.055 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF139504.D

Acq: 20 Sep 2024 16:24

Instrument :

BNA_F

ClientSampleId :

PL-01-09192024

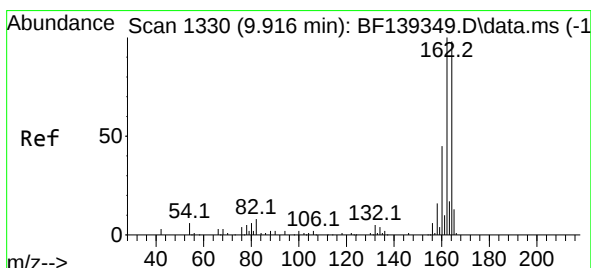
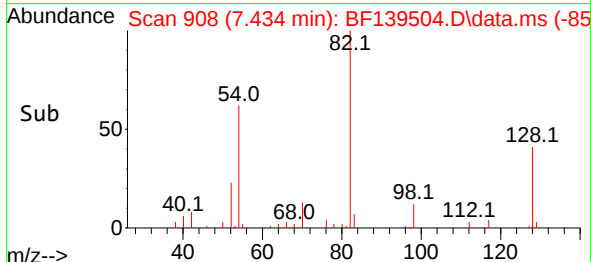
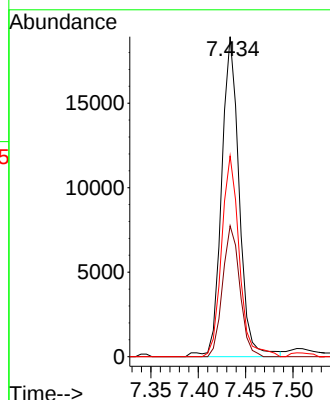
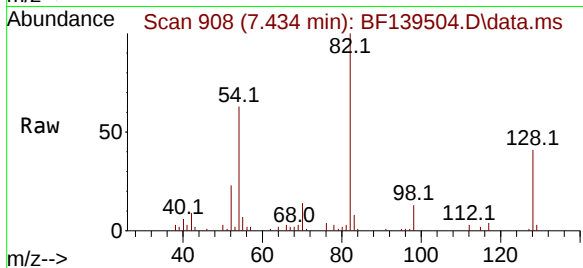
Tgt Ion: 82 Resp: 24494

Ion Ratio Lower Upper

82 100

128 40.9 31.8 47.6

54 62.7 50.6 75.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF139504.D

Acq: 20 Sep 2024 16:24

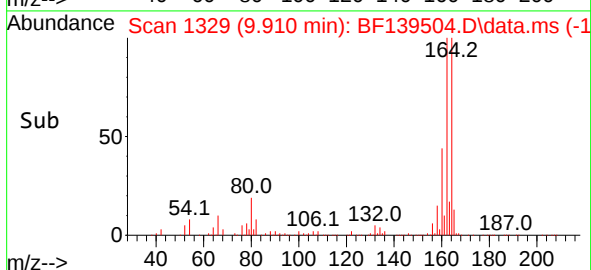
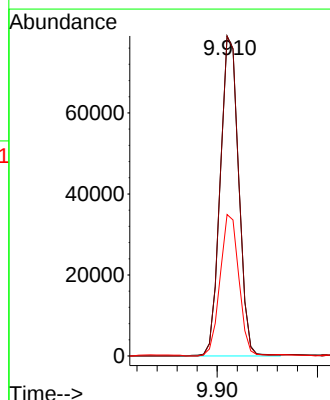
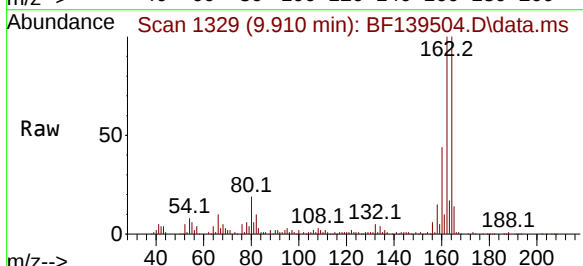
Tgt Ion:164 Resp: 100633

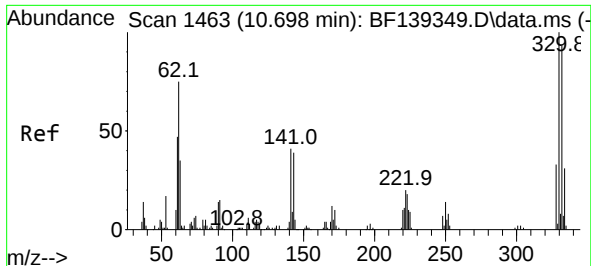
Ion Ratio Lower Upper

164 100

162 99.9 81.3 121.9

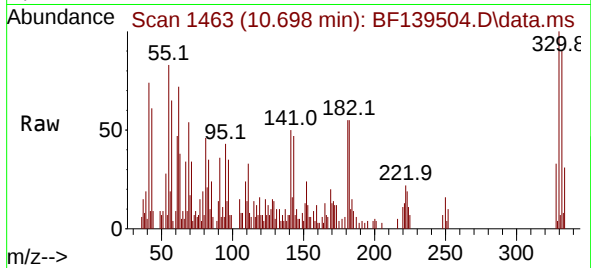
160 44.2 36.4 54.6



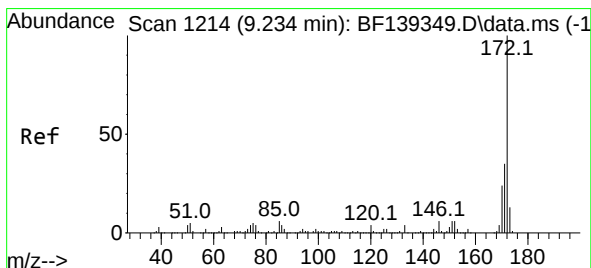
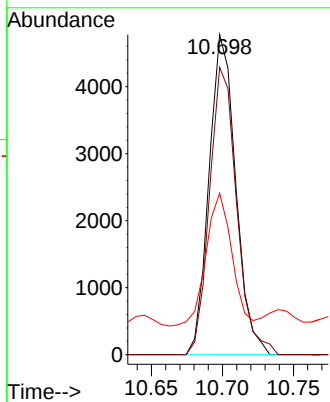
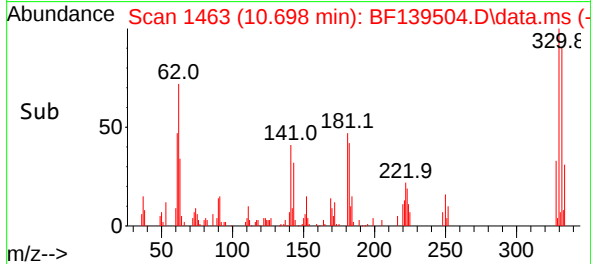


#42
2,4,6-Tribromophenol
Concen: 5.818 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139504.D
Acq: 20 Sep 2024 16:24

Instrument :
BNA_F
ClientSampleId :
PL-01-09192024

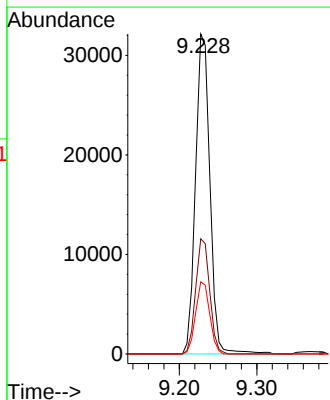
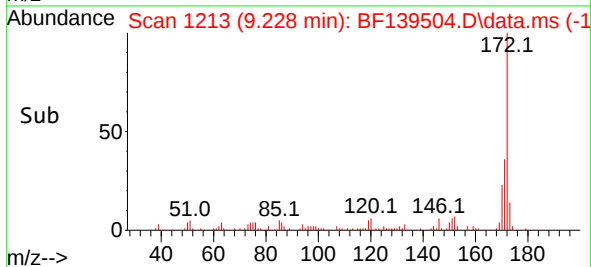
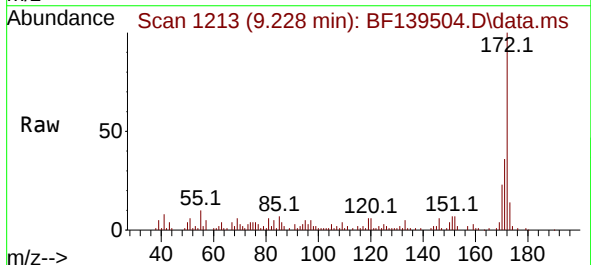


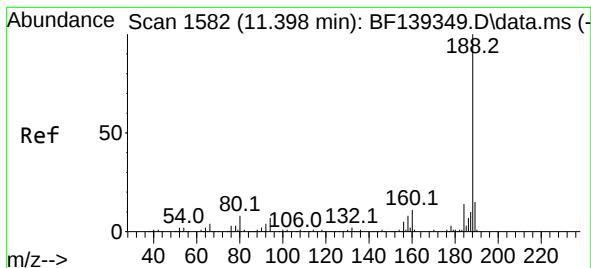
Tgt Ion:330 Resp: 6233
Ion Ratio Lower Upper
330 100
332 91.4 75.2 112.8
141 40.1 31.2 46.8



#45
2-Fluorobiphenyl
Concen: 5.788 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF139504.D
Acq: 20 Sep 2024 16:24

Tgt Ion:172 Resp: 41527
Ion Ratio Lower Upper
172 100
171 36.0 28.3 42.5
170 22.5 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139504.D

Acq: 20 Sep 2024 16:24

Instrument :

BNA_F

ClientSampleId :

PL-01-09192024

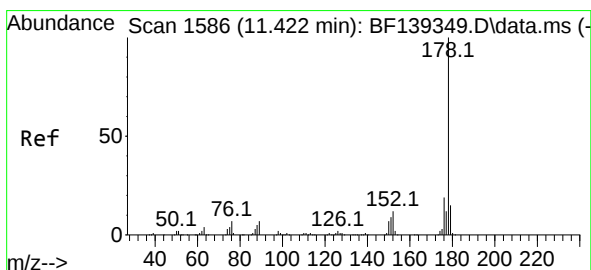
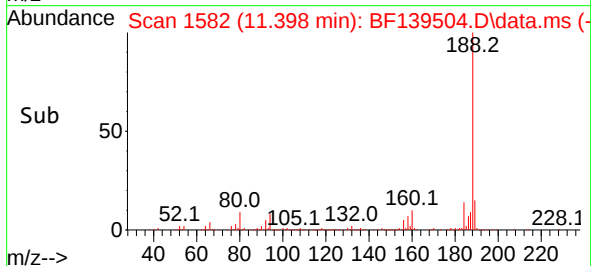
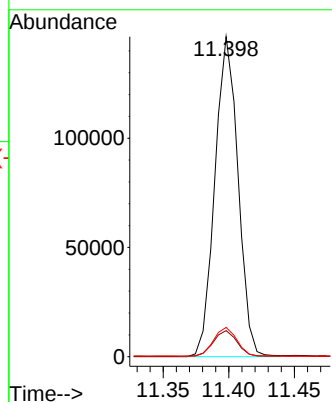
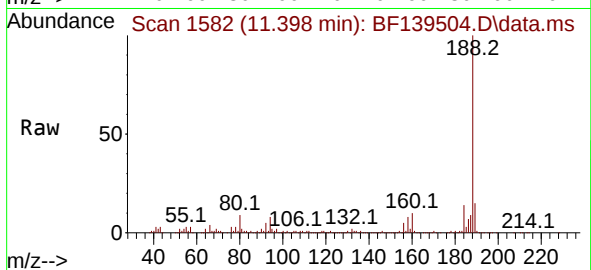
Tgt Ion:188 Resp: 179805

Ion Ratio Lower Upper

188 100

94 8.1 5.5 8.3

80 9.2 6.6 9.8



#71

Phenanthrene

Concen: 16.359 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.000 min

Lab File: BF139504.D

Acq: 20 Sep 2024 16:24

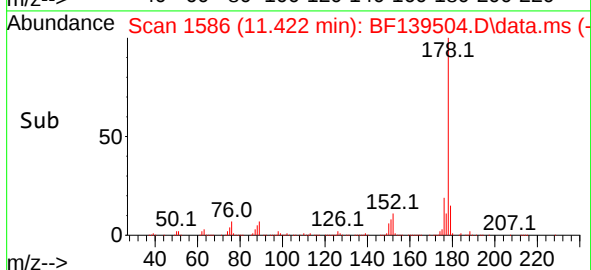
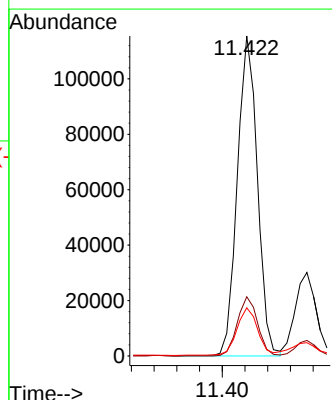
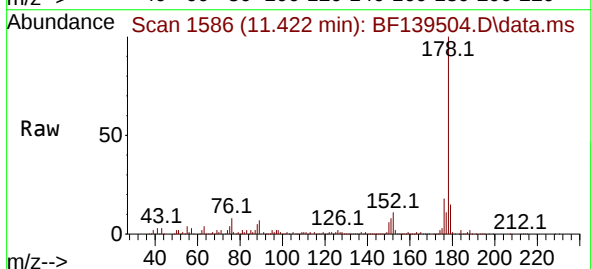
Tgt Ion:178 Resp: 141909

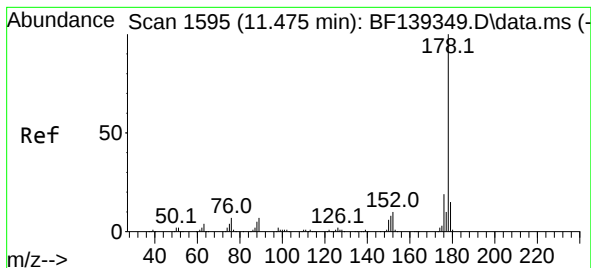
Ion Ratio Lower Upper

178 100

176 18.5 15.2 22.8

179 15.1 12.2 18.4





#72

Anthracene

Concen: 4.496 ng

RT: 11.474 min Scan# 1595

Delta R.T. -0.000 min

Lab File: BF139504.D

Acq: 20 Sep 2024 16:24

Instrument :

BNA_F

ClientSampleId :

PL-01-09192024

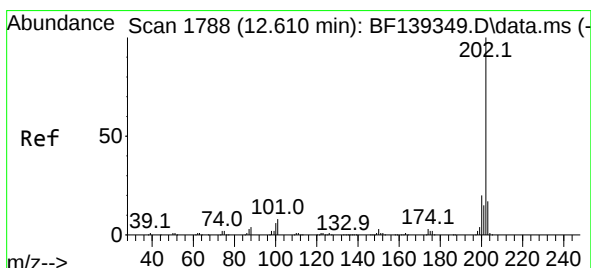
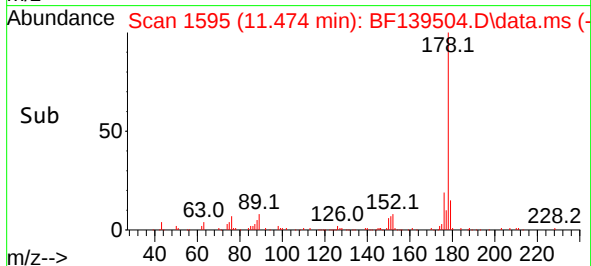
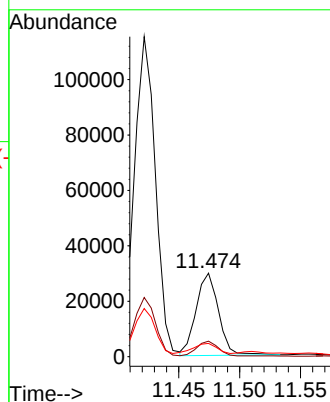
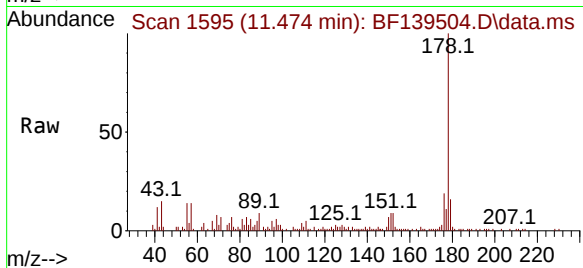
Tgt Ion:178 Resp: 38132

Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.6

179 15.8 12.0 18.0



#75

Fluoranthene

Concen: 26.629 ng

RT: 12.610 min Scan# 1788

Delta R.T. -0.000 min

Lab File: BF139504.D

Acq: 20 Sep 2024 16:24

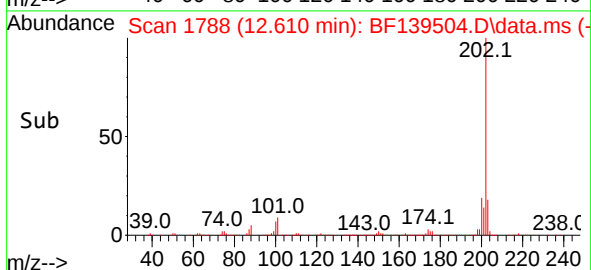
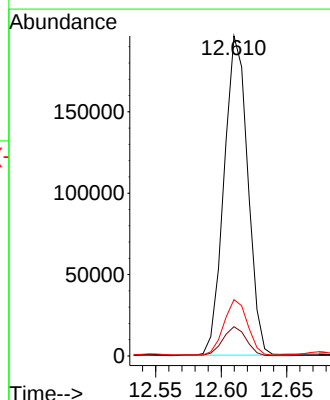
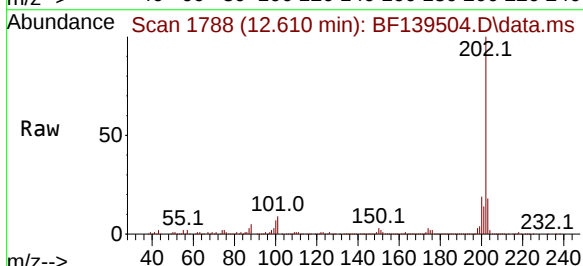
Tgt Ion:202 Resp: 246694

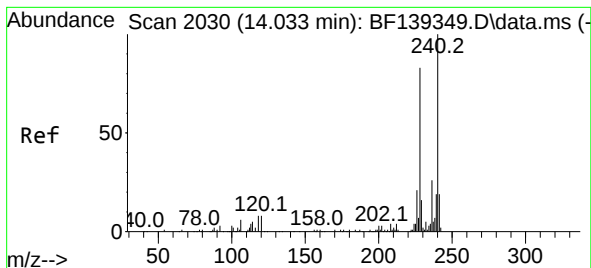
Ion Ratio Lower Upper

202 100

101 9.2 0.0 27.7

203 17.6 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2030

Delta R.T. 0.006 min

Lab File: BF139504.D

Acq: 20 Sep 2024 16:24

Instrument :

BNA_F

ClientSampleId :

PL-01-09192024

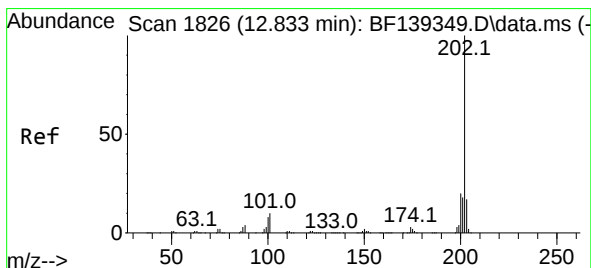
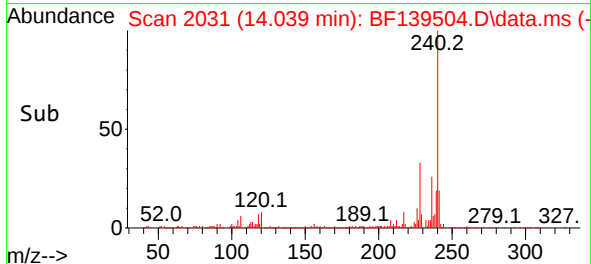
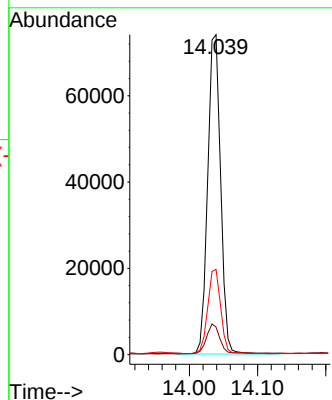
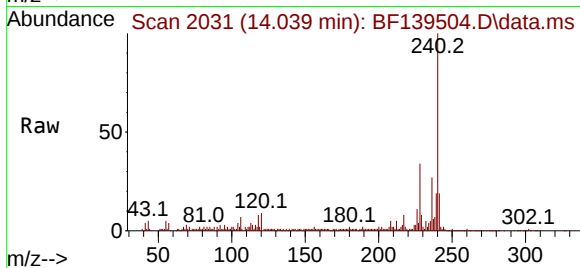
Tgt Ion:240 Resp: 97718

Ion Ratio Lower Upper

240 100

120 8.6 6.2 9.2

236 26.7 20.9 31.3



#78

Pyrene

Concen: 24.219 ng

RT: 12.839 min Scan# 1827

Delta R.T. 0.006 min

Lab File: BF139504.D

Acq: 20 Sep 2024 16:24

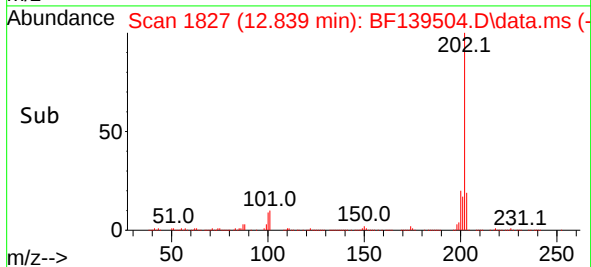
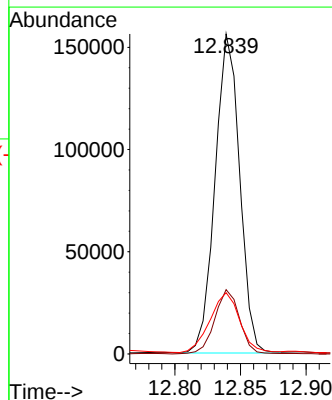
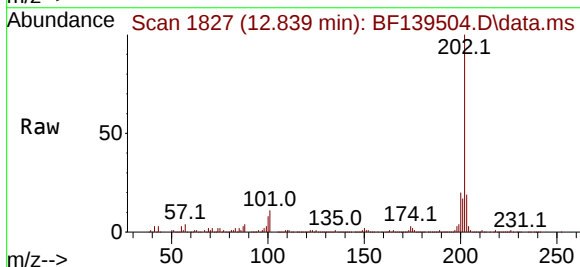
Tgt Ion:202 Resp: 203204

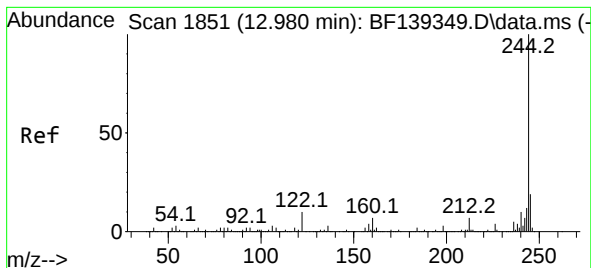
Ion Ratio Lower Upper

202 100

200 20.1 16.2 24.2

203 19.1 13.9 20.9





#79

Terphenyl-d14

Concen: 6.634 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF139504.D

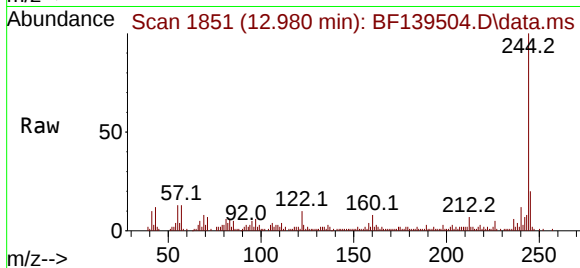
Acq: 20 Sep 2024 16:24

Instrument :

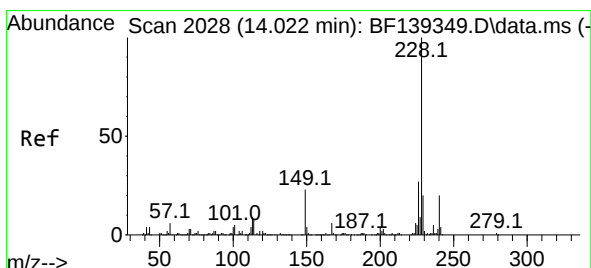
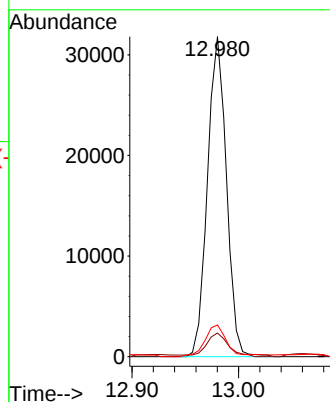
BNA_F

ClientSampleId :

PL-01-09192024



Tgt Ion:	244	Resp:	39495
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.0	9.0
122	9.9	7.6	11.4



#81

Benzo(a)anthracene

Concen: 12.968 ng

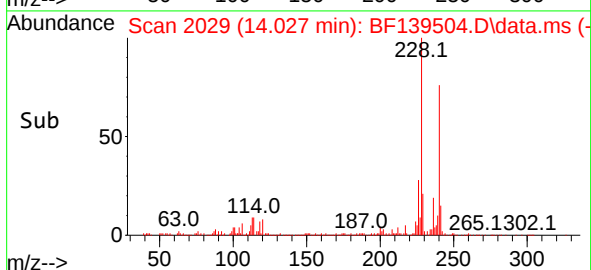
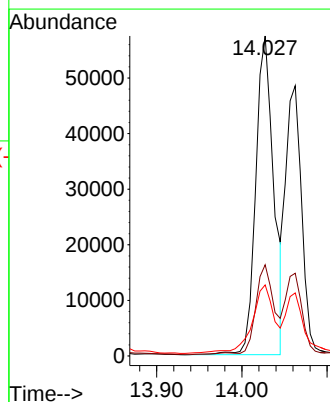
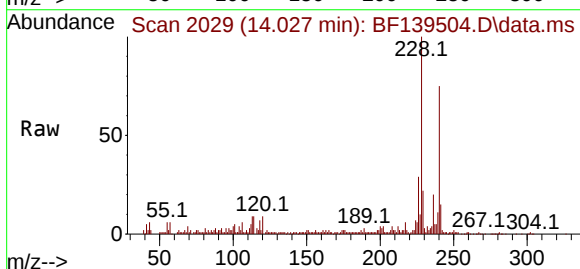
RT: 14.027 min Scan# 2029

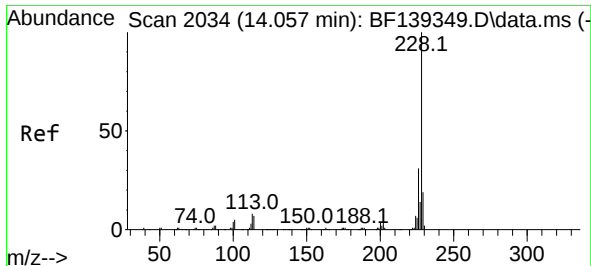
Delta R.T. 0.006 min

Lab File: BF139504.D

Acq: 20 Sep 2024 16:24

Tgt Ion:	228	Resp:	83941
Ion Ratio	Lower	Upper	
228	100		
226	28.5	21.6	32.4
229	22.2	15.7	23.5

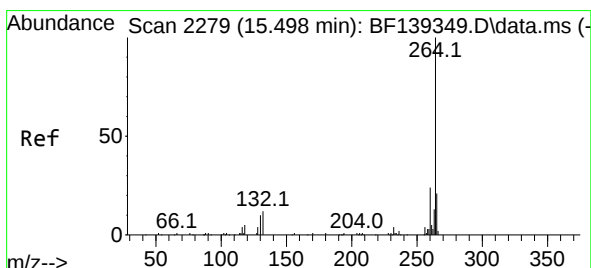
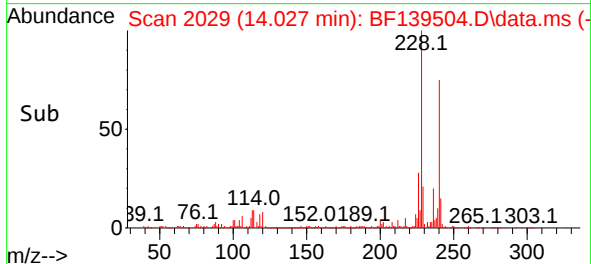
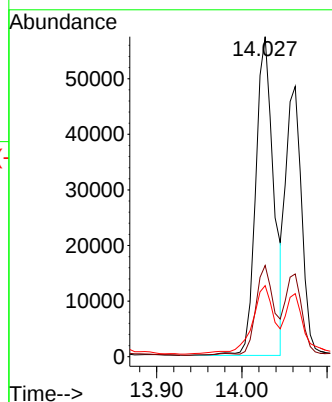
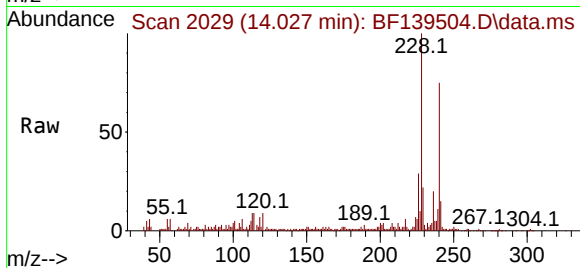




#83
Chrysene
Concen: 14.096 ng
RT: 14.027 min Scan# 2034
Delta R.T. -0.030 min
Lab File: BF139504.D
Acq: 20 Sep 2024 16:24

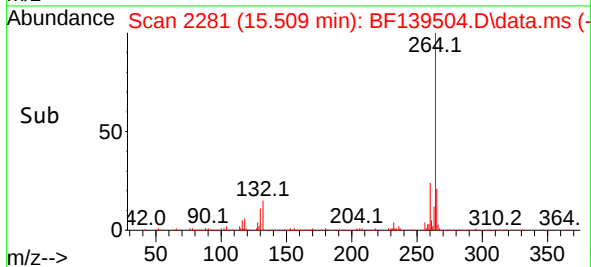
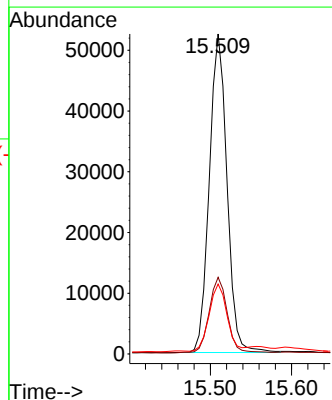
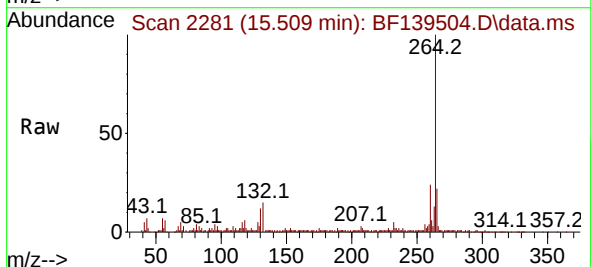
Instrument :
BNA_F
ClientSampleId :
PL-01-09192024

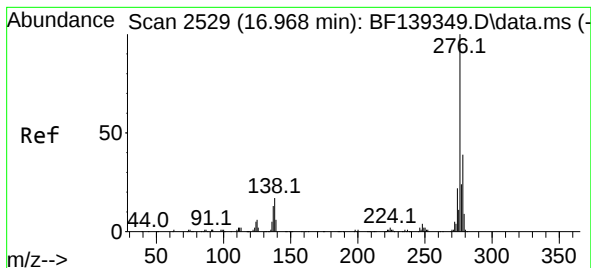
Tgt Ion:228 Resp: 83941
Ion Ratio Lower Upper
228 100
226 28.5 24.1 36.1
229 22.2 15.4 23.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. 0.012 min
Lab File: BF139504.D
Acq: 20 Sep 2024 16:24

Tgt Ion:264 Resp: 79171
Ion Ratio Lower Upper
264 100
260 23.9 19.5 29.3
265 21.9 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.367 ng

RT: 16.980 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139504.D

Acq: 20 Sep 2024 16:24

Instrument :

BNA_F

ClientSampleId :

PL-01-09192024

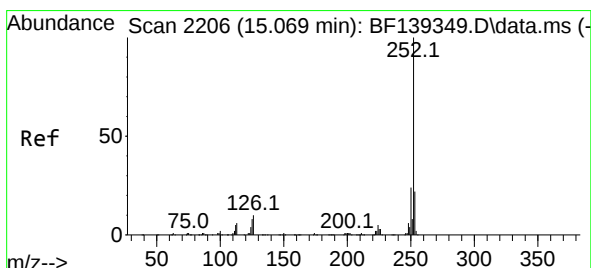
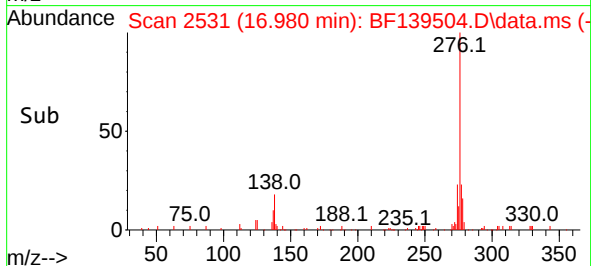
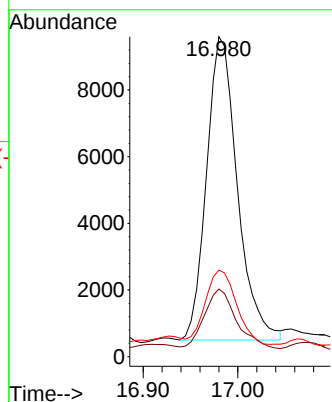
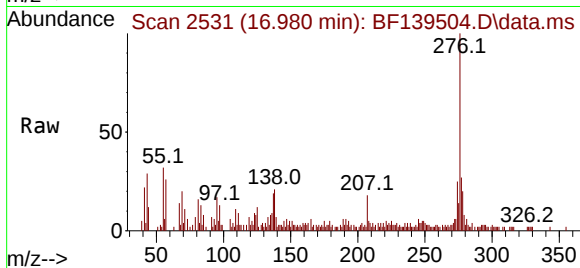
Tgt Ion:276 Resp: 20559

Ion Ratio Lower Upper

276 100

138 21.1 15.4 23.2

277 26.0 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 18.090 ng

RT: 15.080 min Scan# 2208

Delta R.T. 0.012 min

Lab File: BF139504.D

Acq: 20 Sep 2024 16:24

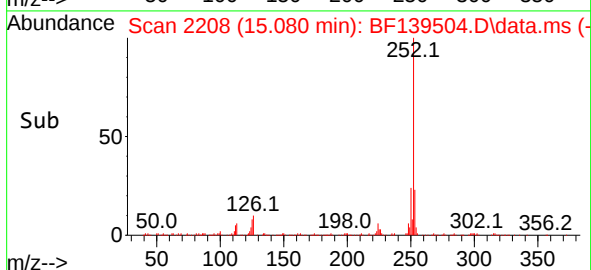
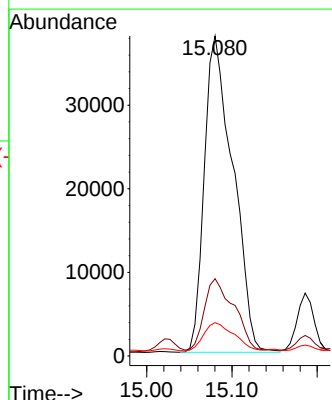
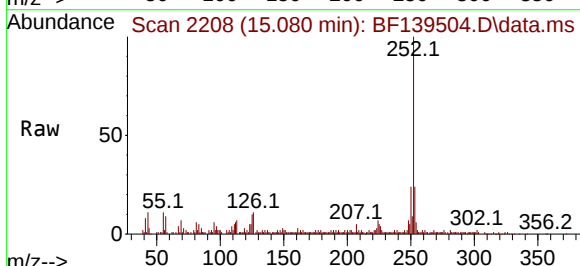
Tgt Ion:252 Resp: 88329

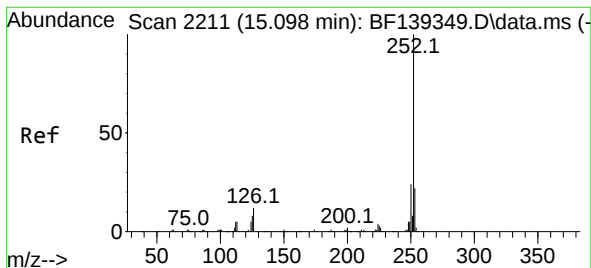
Ion Ratio Lower Upper

252 100

253 24.2 17.6 26.4

125 10.4 6.2 9.2#





#89

Benzo(k)fluoranthene

Concen: 19.620 ng

RT: 15.080 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF139504.D

Acq: 20 Sep 2024 16:24

Instrument :

BNA_F

ClientSampleId :

PL-01-09192024

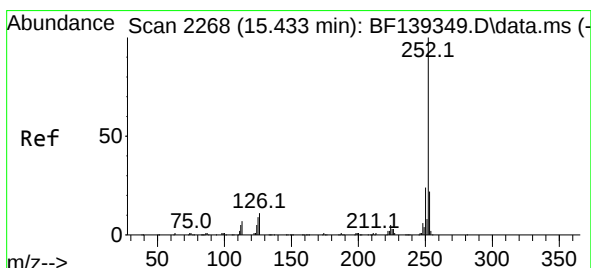
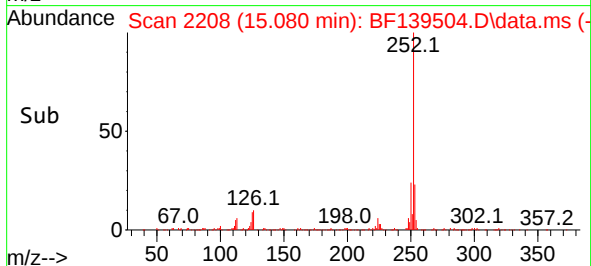
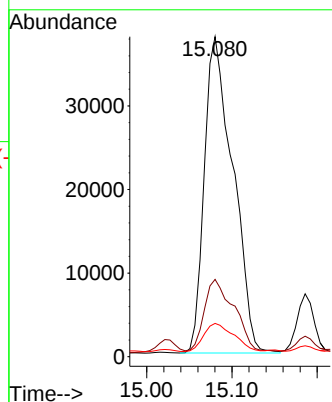
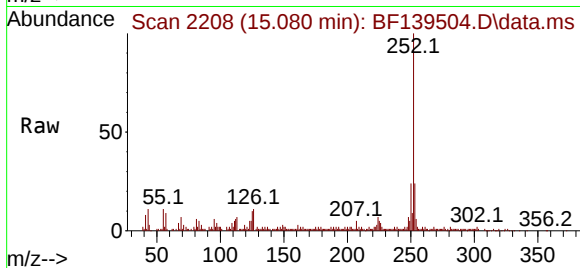
Tgt Ion:252 Resp: 88329

Ion Ratio Lower Upper

252 100

253 24.2 17.3 25.9

125 10.4 5.9 8.9#



#90

Benzo(a)pyrene

Concen: 11.497 ng

RT: 15.445 min Scan# 2270

Delta R.T. 0.012 min

Lab File: BF139504.D

Acq: 20 Sep 2024 16:24

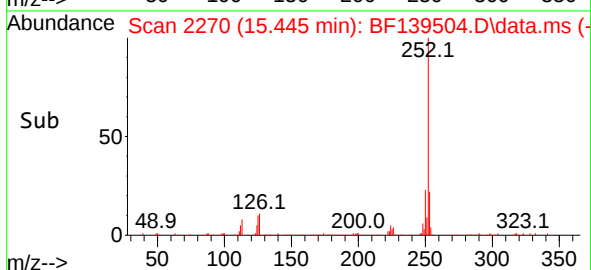
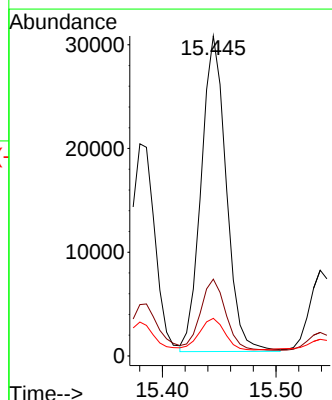
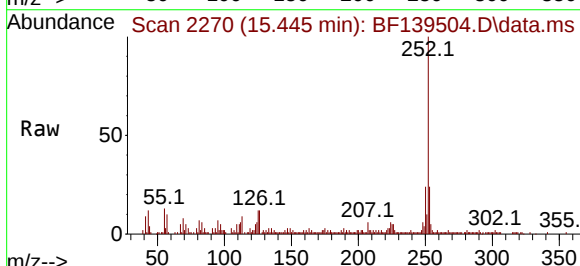
Tgt Ion:252 Resp: 46556

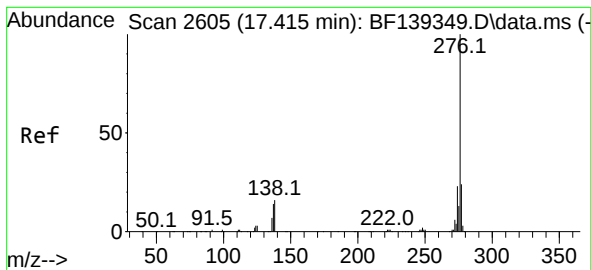
Ion Ratio Lower Upper

252 100

253 24.0 17.3 25.9

125 11.8 6.8 10.2#





#92

Benzo(g,h,i)perylene

Concen: 5.052 ng

RT: 17.427 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF139504.D

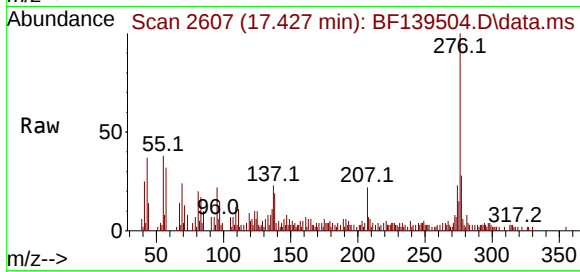
Acq: 20 Sep 2024 16:24

Instrument :

BNA_F

ClientSampleId :

PL-01-09192024



Tgt Ion:276 Resp: 19458

Ion Ratio Lower Upper

276 100

277 28.5 18.9 28.3#

138 19.3 13.0 19.6

