

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
 Data File : BF139391.D
 Acq On : 16 Sep 2024 21:12
 Operator : RC/JU
 Sample : P3980-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-091224

Quant Time: Sep 17 01:39:53 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)

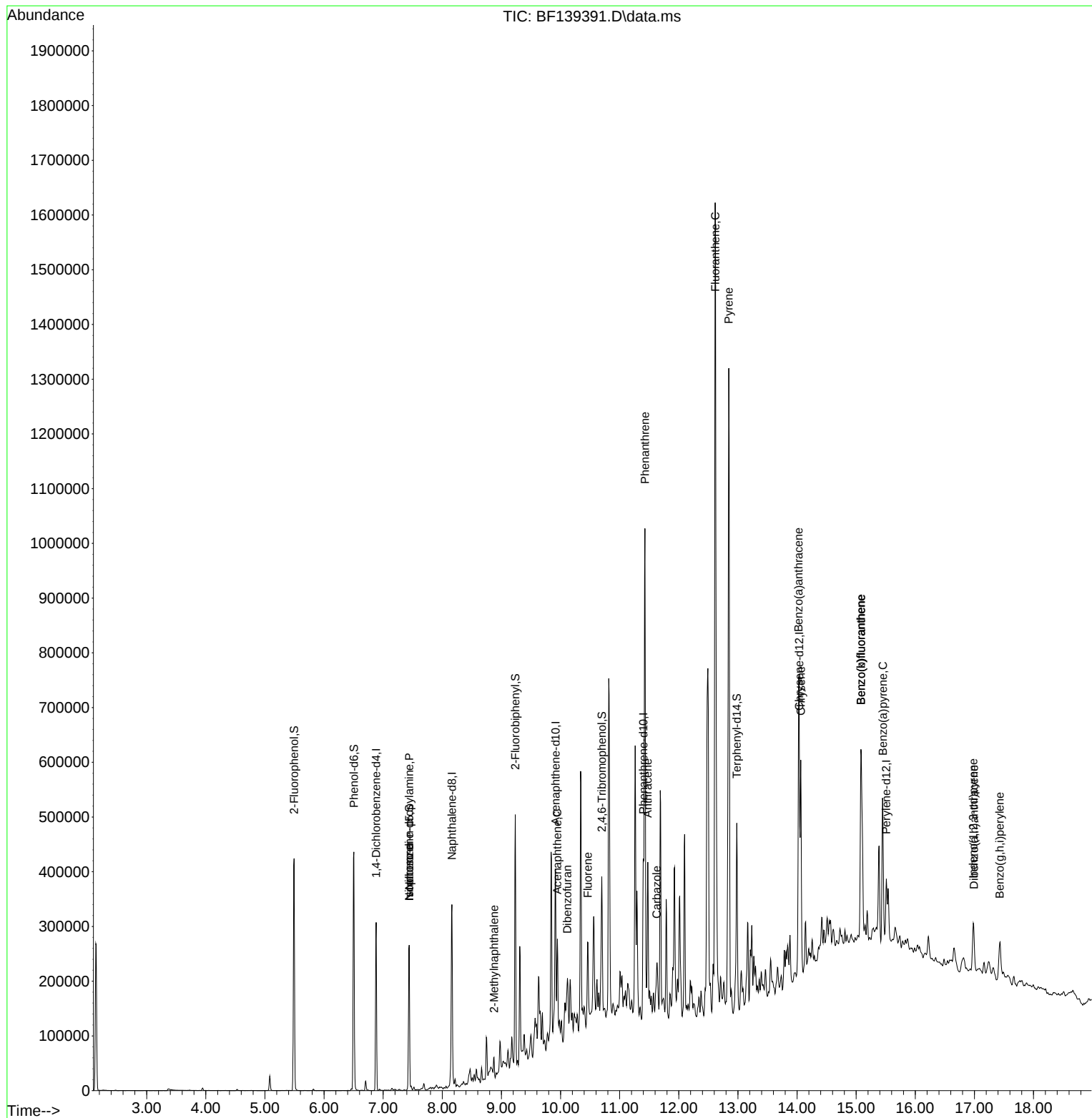
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	56046	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	187630	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	87007	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	140946	20.000	ng	0.00
76) Chrysene-d12	14.039	240	73749	20.000	ng	0.00
86) Perylene-d12	15.510	264	65180	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	133910	38.978	ng	0.00
7) Phenol-d6	6.504	99	171358	38.000	ng	0.00
23) Nitrobenzene-d5	7.439	82	106845	26.770	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	30994	33.460	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	181010	29.178	ng	0.00
79) Terphenyl-d14	12.980	244	142508	31.717	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	15200	5.688	ng	# 80
25) Isophorone	7.439	82	105927	16.782	ng	# 66
37) 2-Methylnaphthalene	8.875	142	13473	2.167	ng	98
52) Acenaphthene	9.945	154	47222	8.981	ng	95
55) Dibenzofuran	10.116	168	33311	4.545	ng	# 93
58) Fluorene	10.463	166	51046	8.537	ng	99
71) Phenanthrene	11.427	178	441961	64.994	ng	99
72) Anthracene	11.475	178	139618	21.000	ng	99
73) Carbazole	11.627	167	39541	6.214	ng	95
75) Fluoranthene	12.616	202	799701	110.123	ng	99
78) Pyrene	12.845	202	647165	102.200	ng	98
81) Benzo(a)anthracene	14.027	228	244765	50.104	ng	96
83) Chrysene	14.063	228	193931	43.150	ng	97
87) Indeno(1,2,3-cd)pyrene	16.980	276	71525	18.454	ng	95
88) Benzo(b)fluoranthene	15.080	252	305557	76.011	ng	# 96
89) Benzo(k)fluoranthene	15.080	252	305557	82.439	ng	# 95
90) Benzo(a)pyrene	15.451	252	166530	49.951	ng	98
91) Dibenzo(a,h)anthracene	16.992	278	16810	5.249	ng	# 85
92) Benzo(g,h,i)perylene	17.427	276	70006	22.077	ng	96

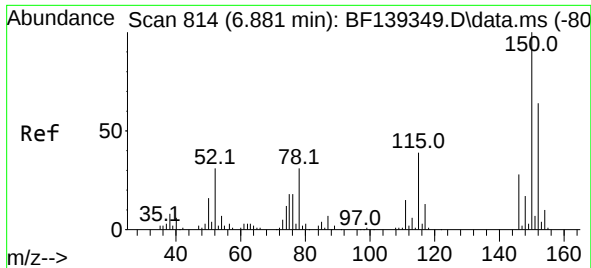
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
Data File : BF139391.D
Acq On : 16 Sep 2024 21:12
Operator : RC/JU
Sample : P3980-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-091224

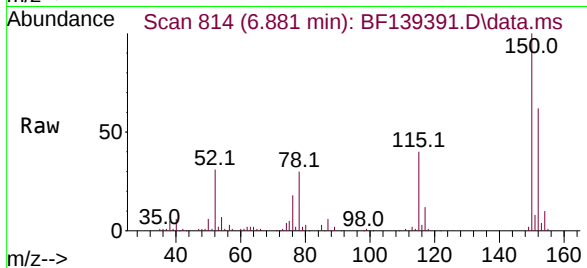
Quant Time: Sep 17 01:39:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
Response via : Initial Calibration



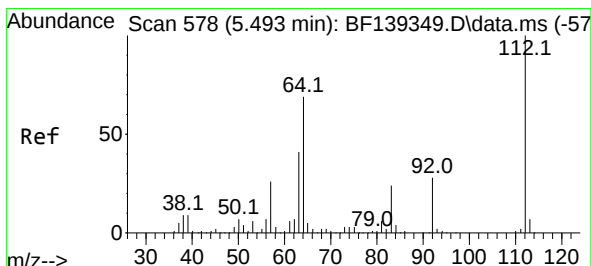
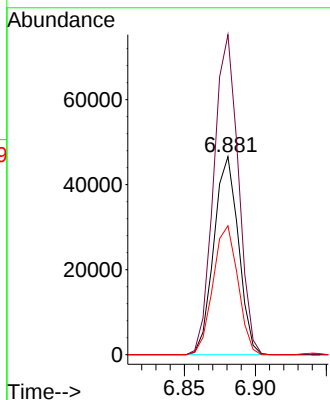
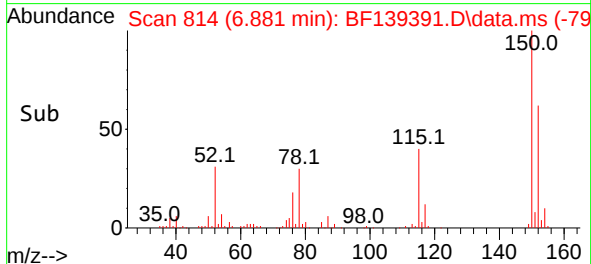


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

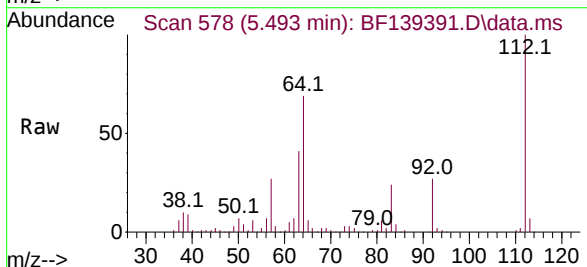
Instrument :
BNA_F
ClientSampleId :
HD-02-091224



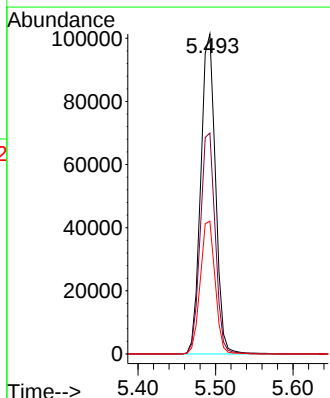
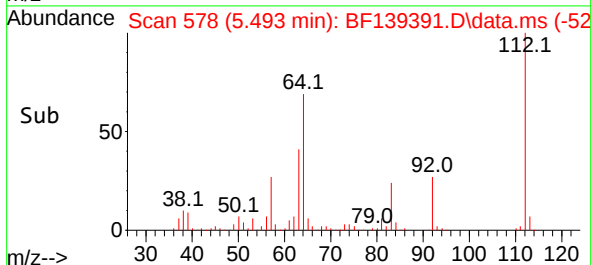
Tgt Ion:152 Resp: 56046
Ion Ratio Lower Upper
152 100
150 161.5 124.1 186.1
115 65.1 48.1 72.1

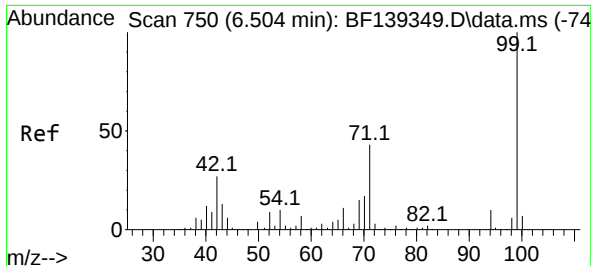


#5
2-Fluorophenol
Concen: 38.978 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12



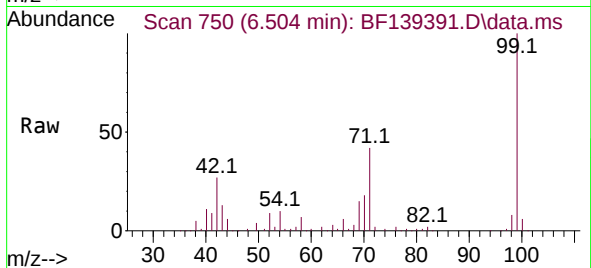
Tgt Ion:112 Resp: 133910
Ion Ratio Lower Upper
112 100
64 69.0 54.8 82.2
63 41.5 33.0 49.4



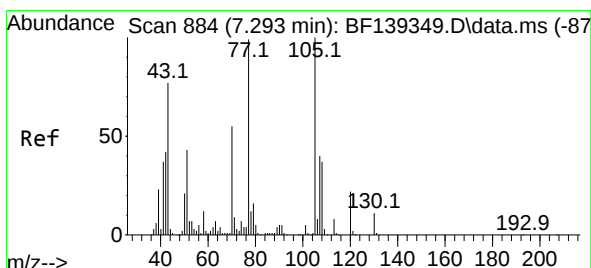
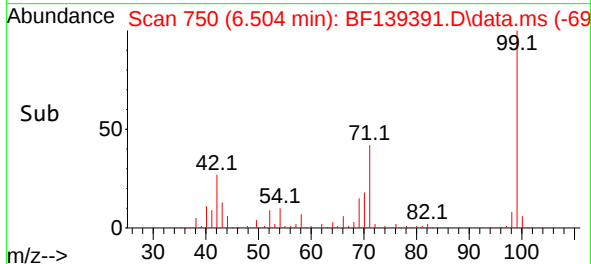
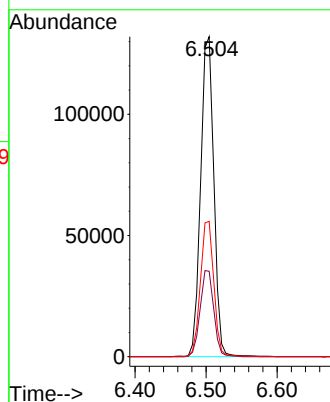


#7
Phenol-d6
Concen: 38.000 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

Instrument :
BNA_F
ClientSampleId :
HD-02-091224

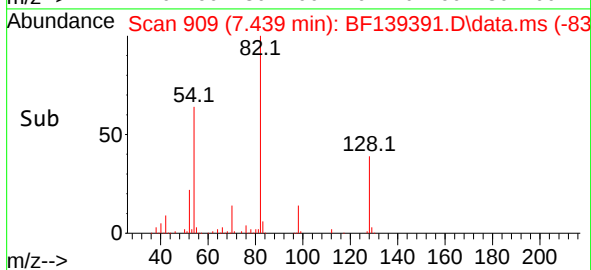
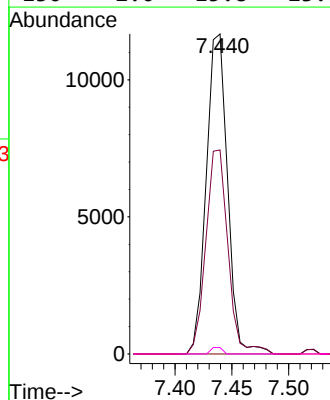
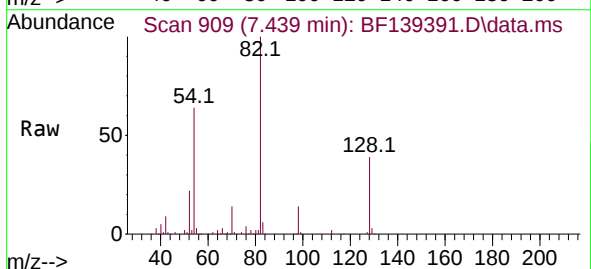


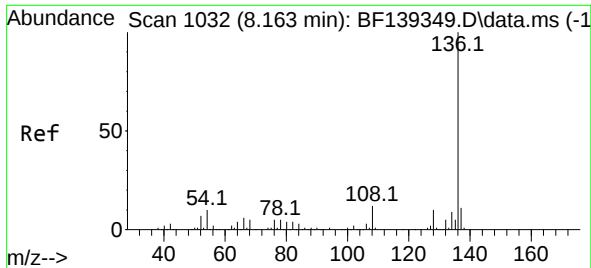
Tgt Ion	Ratio	Lower	Upper
99	100		
42	26.7	21.9	32.9
71	42.3	34.6	52.0



#19
n-Nitroso-di-n-propylamine
Concen: 5.688 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.147 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

Tgt Ion	Ratio	Lower	Upper
70	100		
42	63.8	61.2	91.8
101	0.0	7.5	11.3#
130	2.0	15.8	23.8#

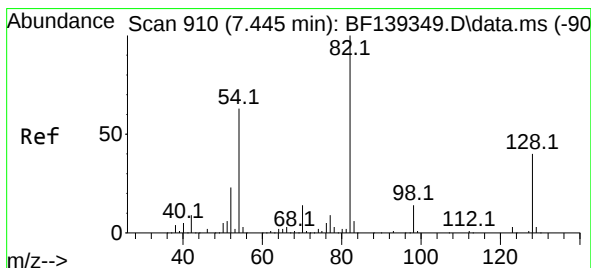
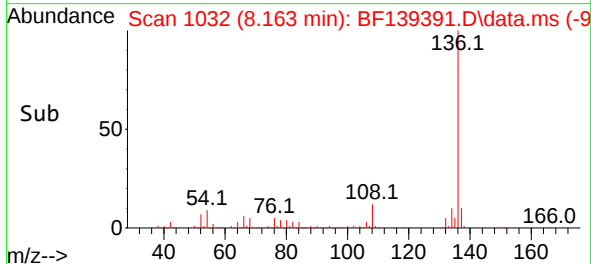
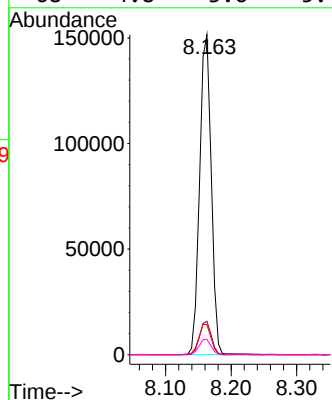
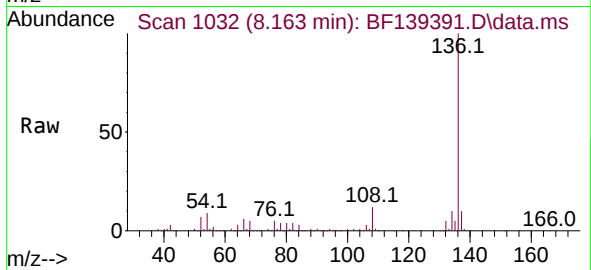




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

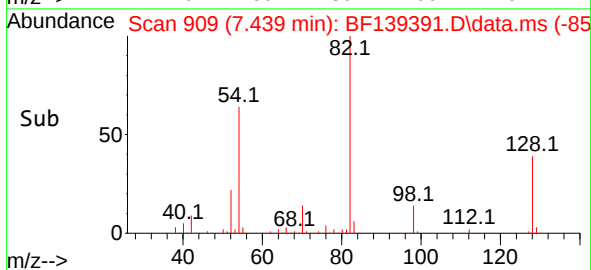
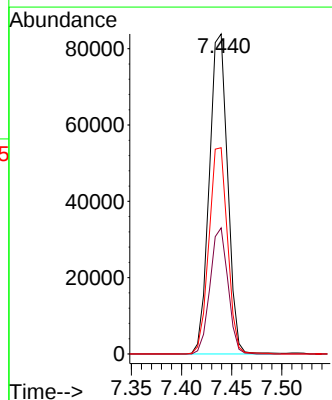
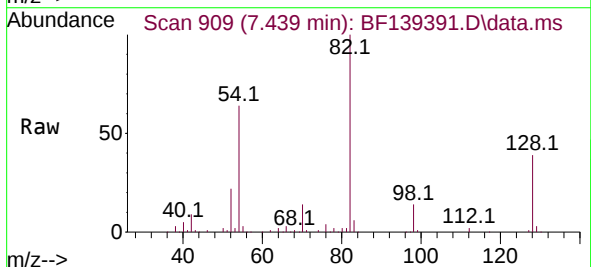
Instrument :
BNA_F
ClientSampleId :
HD-02-091224

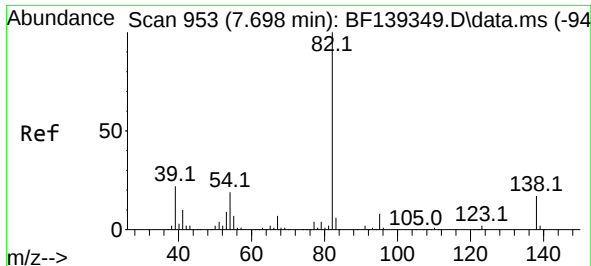
Tgt Ion:	136	Resp:	187630
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	12.8
54	9.4	7.8	11.8
68	4.8	3.6	5.4



#23
Nitrobenzene-d5
Concen: 26.770 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

Tgt Ion:	82	Resp:	106845
Ion	Ratio	Lower	Upper
82	100		
128	39.4	31.8	47.6
54	64.4	50.6	75.8

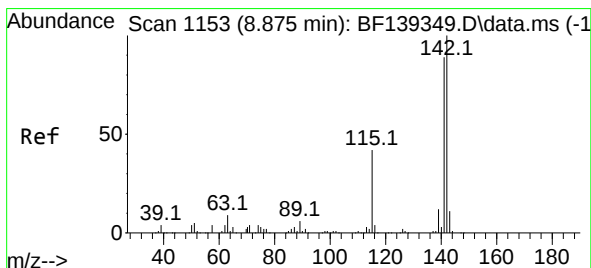
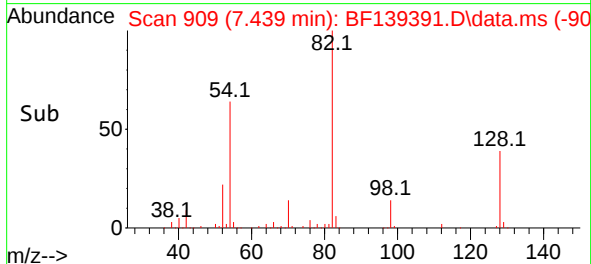
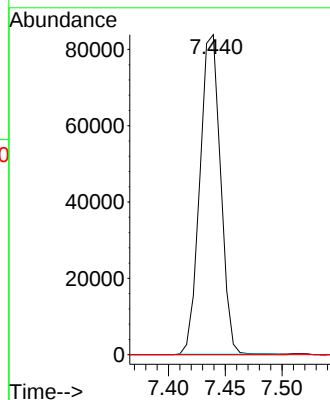
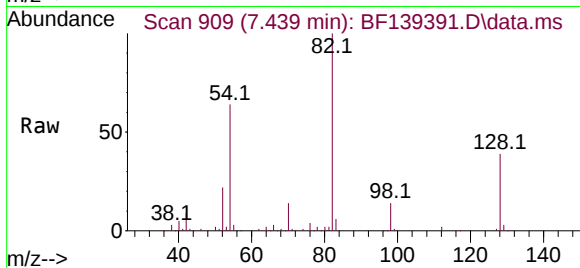




#25
Isophorone
Concen: 16.782 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.259 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

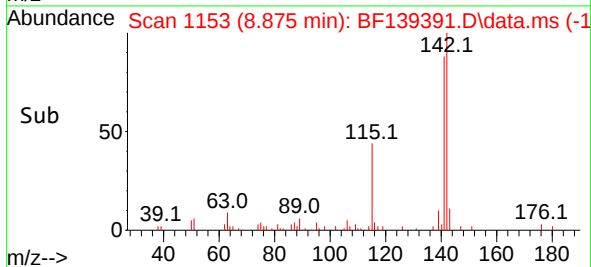
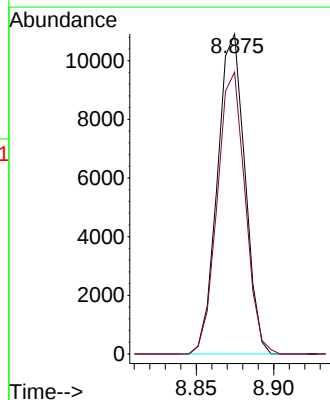
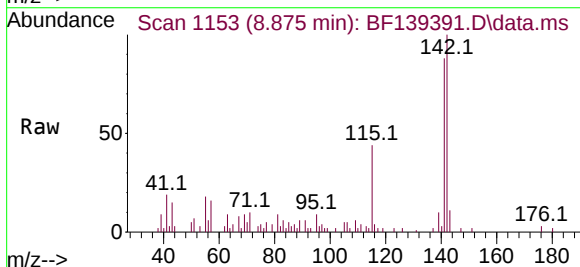
Instrument :
BNA_F
ClientSampleId :
HD-02-091224

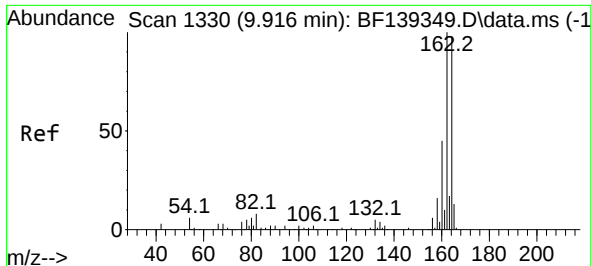
Tgt Ion: 82 Resp: 105927
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#



#37
2-Methylnaphthalene
Concen: 2.167 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.000 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

Tgt Ion: 142 Resp: 13473
Ion Ratio Lower Upper
142 100
141 88.0 71.6 107.4

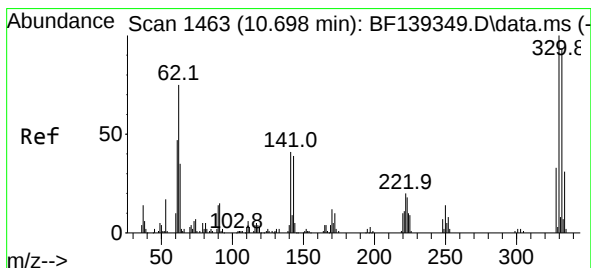
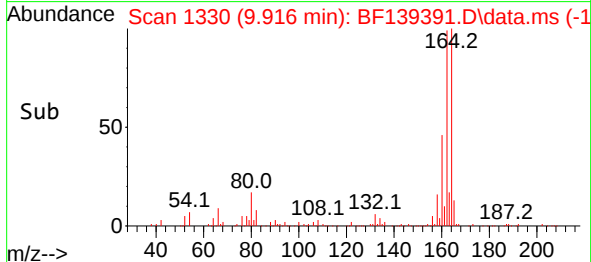
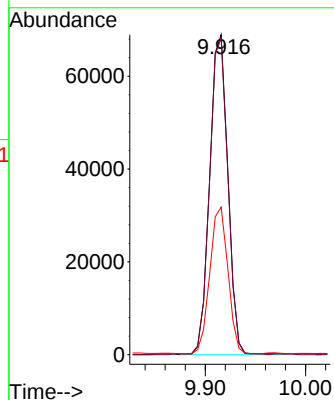
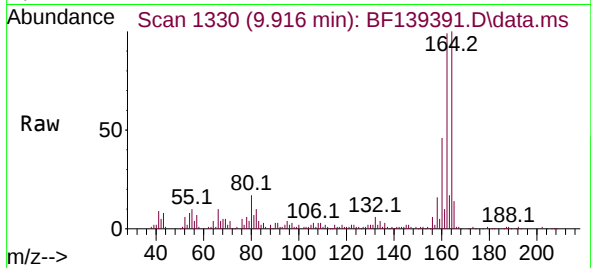




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

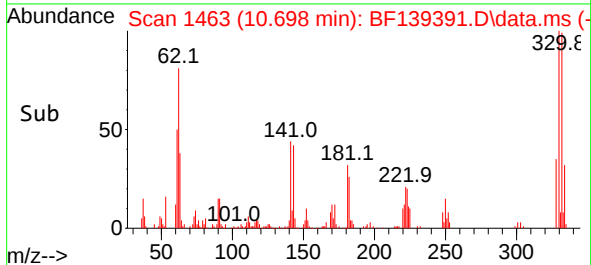
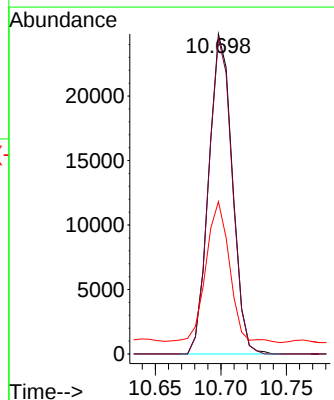
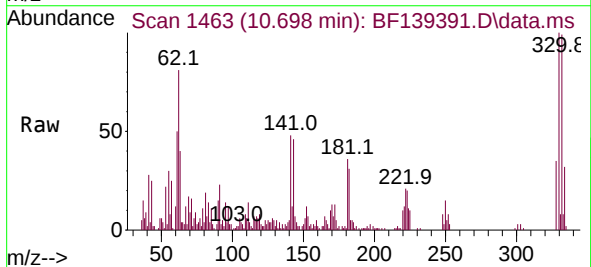
Instrument :
BNA_F
ClientSampleId :
HD-02-091224

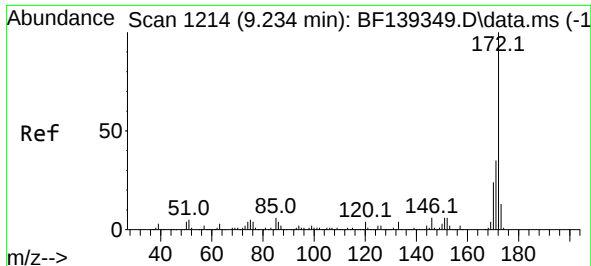
Tgt Ion:164 Resp: 87007
Ion Ratio Lower Upper
164 100
162 98.9 81.3 121.9
160 46.1 36.4 54.6



#42
2,4,6-Tribromophenol
Concen: 33.460 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

Tgt Ion:330 Resp: 30994
Ion Ratio Lower Upper
330 100
332 98.5 75.2 112.8
141 44.7 31.2 46.8





#45

2-Fluorobiphenyl

Concen: 29.178 ng

RT: 9.233 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139391.D

Acq: 16 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

HD-02-091224

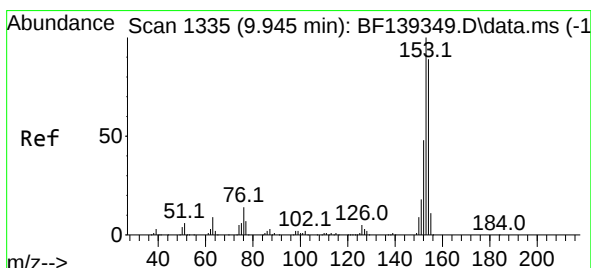
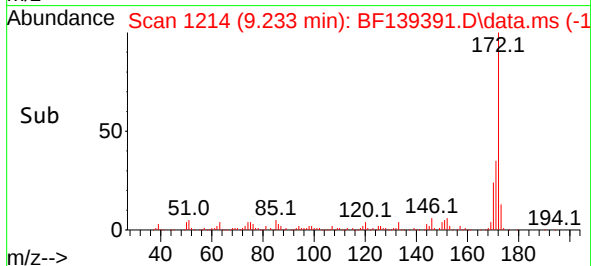
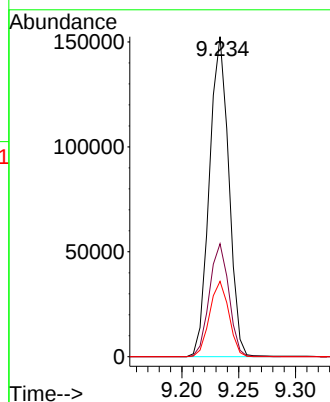
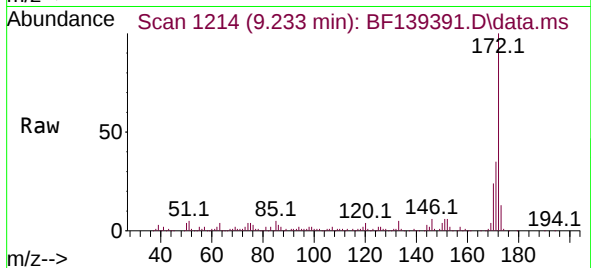
Tgt Ion:172 Resp: 181010

Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

170 23.5 19.0 28.6



#52

Acenaphthene

Concen: 8.981 ng

RT: 9.945 min Scan# 1335

Delta R.T. -0.000 min

Lab File: BF139391.D

Acq: 16 Sep 2024 21:12

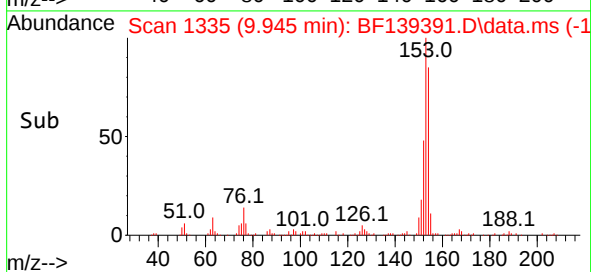
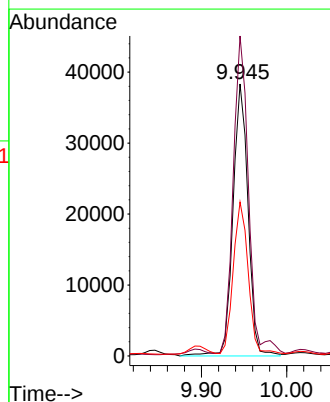
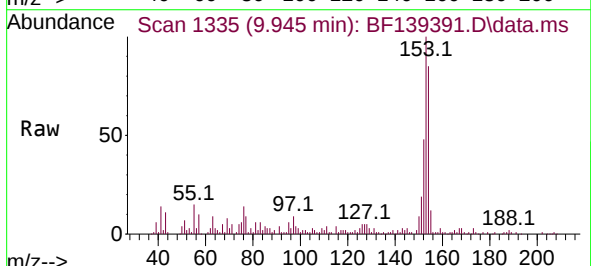
Tgt Ion:154 Resp: 47222

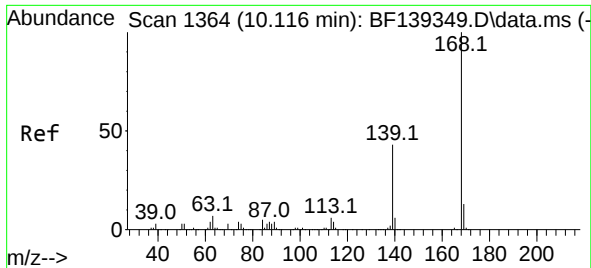
Ion Ratio Lower Upper

154 100

153 117.6 89.5 134.3

152 56.6 42.6 64.0

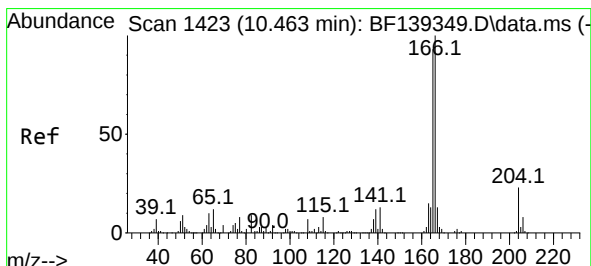
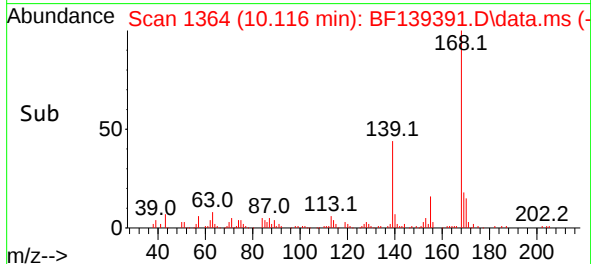
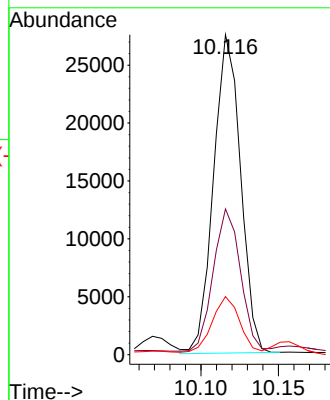
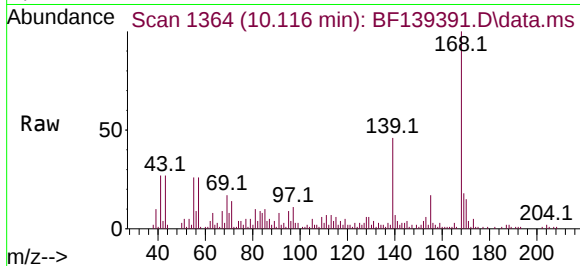




#55
Dibenzenofuran
Concen: 4.545 ng
RT: 10.116 min Scan# 1364
Delta R.T. -0.000 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

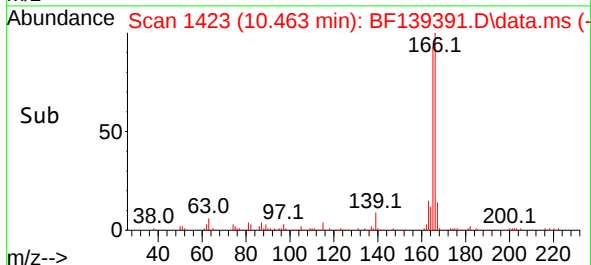
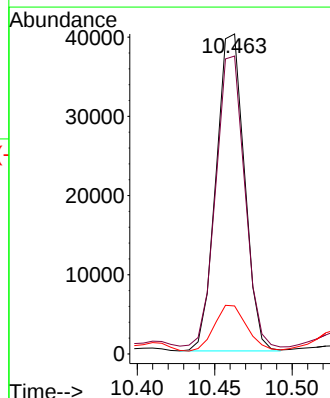
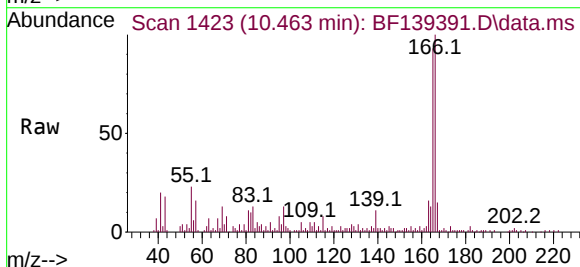
Instrument :
BNA_F
ClientSampleId :
HD-02-091224

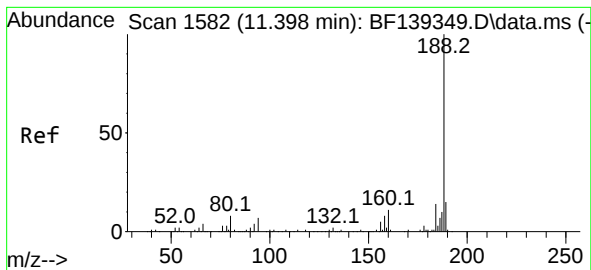
Tgt Ion:168 Resp: 33311
Ion Ratio Lower Upper
168 100
139 45.5 34.1 51.1
169 18.1 10.5 15.7#



#58
Fluorene
Concen: 8.537 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

Tgt Ion:166 Resp: 51046
Ion Ratio Lower Upper
166 100
165 93.1 74.5 111.7
167 15.0 10.6 16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.000 min

Lab File: BF139391.D

Acq: 16 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

HD-02-091224

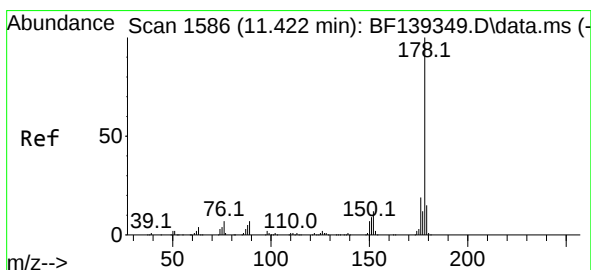
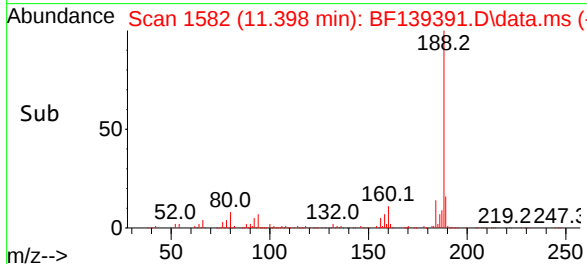
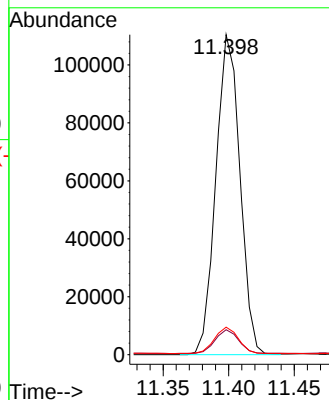
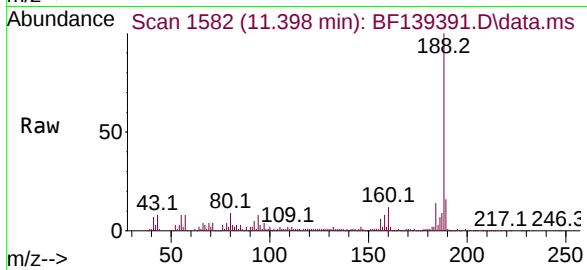
Tgt Ion:188 Resp: 140946

Ion Ratio Lower Upper

188 100

94 7.8 5.5 8.3

80 8.6 6.6 9.8



#71

Phenanthrene

Concen: 64.994 ng

RT: 11.427 min Scan# 1587

Delta R.T. 0.006 min

Lab File: BF139391.D

Acq: 16 Sep 2024 21:12

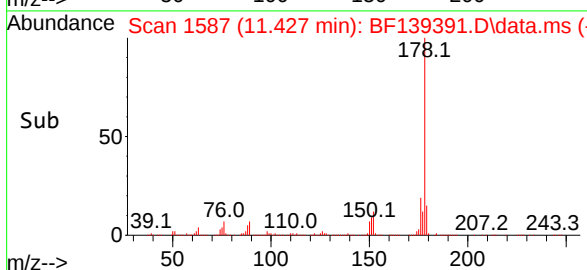
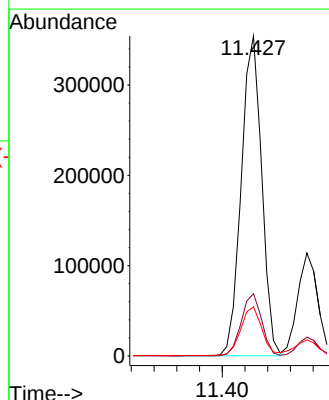
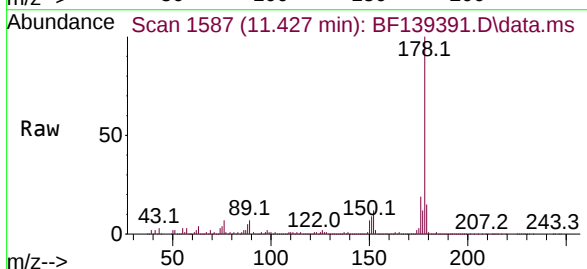
Tgt Ion:178 Resp: 441961

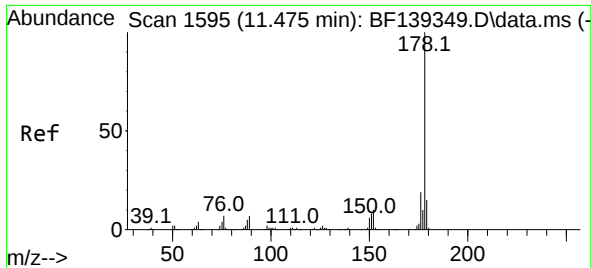
Ion Ratio Lower Upper

178 100

176 19.5 15.2 22.8

179 15.3 12.2 18.4

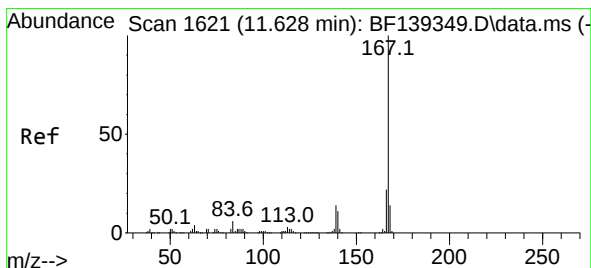
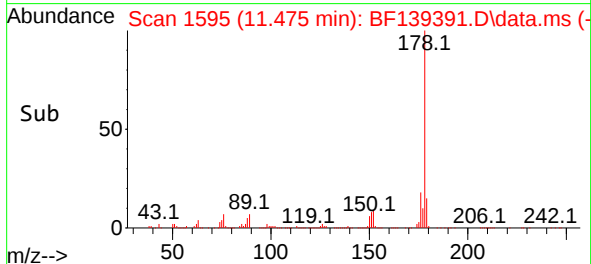
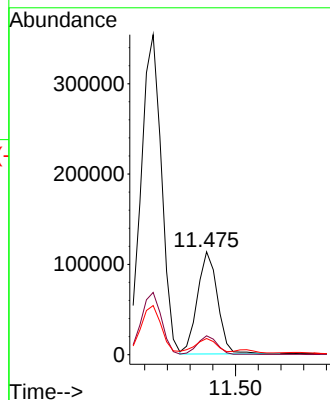
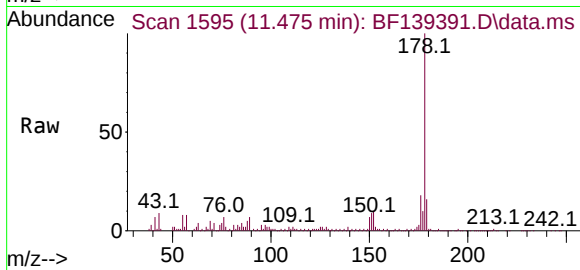




#72
 Anthracene
 Concen: 21.000 ng
 RT: 11.475 min Scan# 1595
 Delta R.T. -0.000 min
 Lab File: BF139391.D
 Acq: 16 Sep 2024 21:12

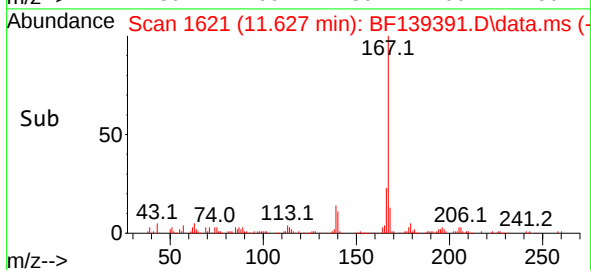
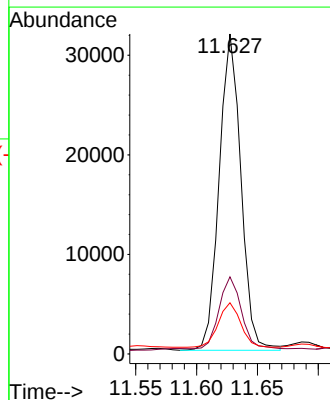
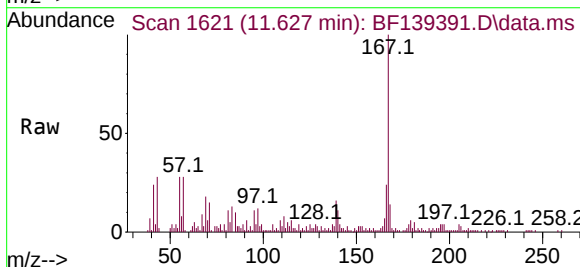
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-091224

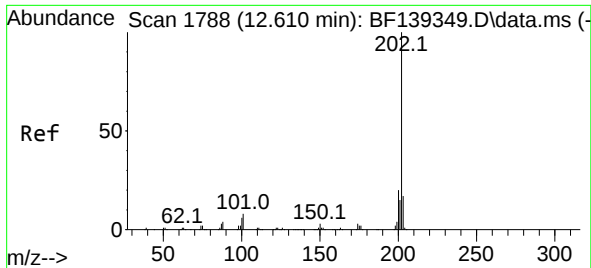
Tgt Ion:	178	Resp:	139618
Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.6
179	15.7	12.0	18.0



#73
 Carbazole
 Concen: 6.214 ng
 RT: 11.627 min Scan# 1621
 Delta R.T. -0.000 min
 Lab File: BF139391.D
 Acq: 16 Sep 2024 21:12

Tgt Ion:	167	Resp:	39541
Ion	Ratio	Lower	Upper
167	100		
166	24.1	17.5	26.3
139	16.0	10.9	16.3

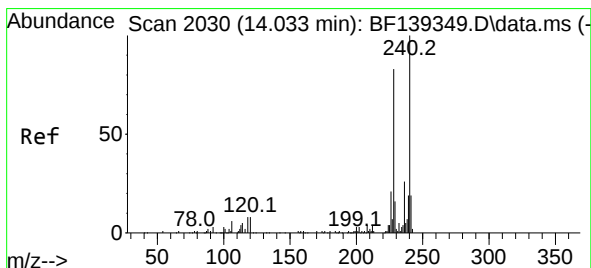
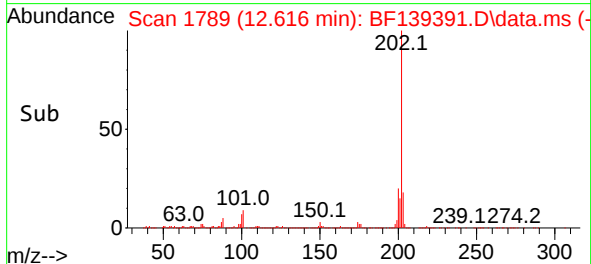
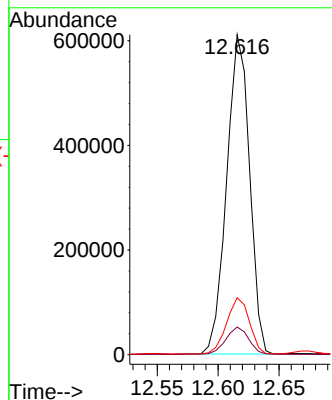
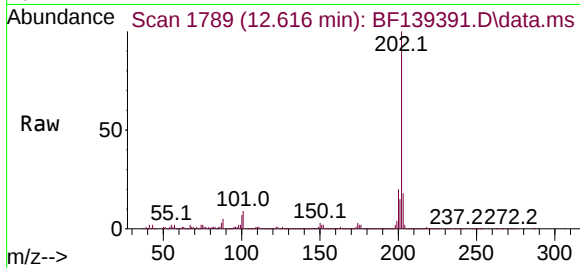




#75
Fluoranthene
Concen: 110.123 ng
RT: 12.616 min Scan# 1788
Delta R.T. 0.006 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

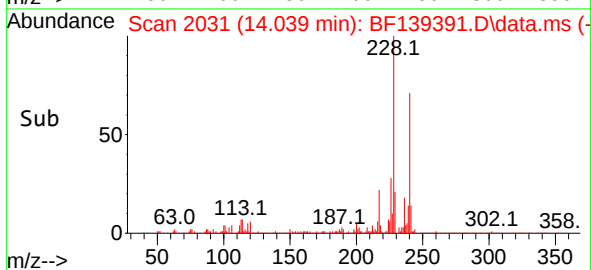
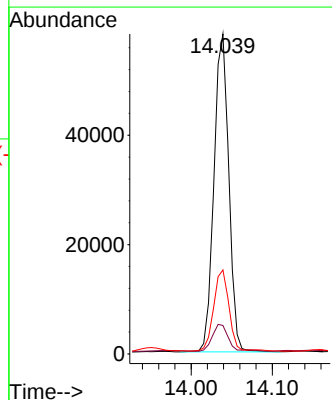
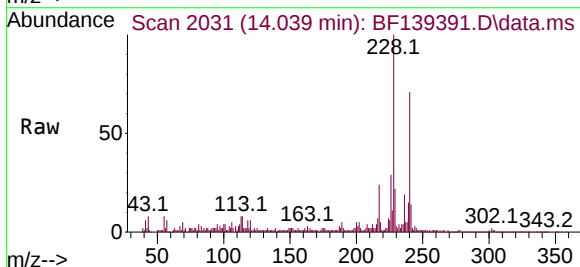
Instrument :
BNA_F
ClientSampleId :
HD-02-091224

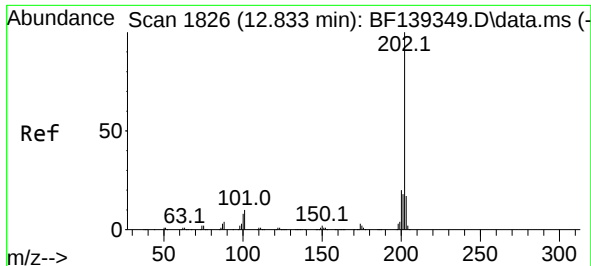
Tgt Ion:202 Resp: 799701
Ion Ratio Lower Upper
202 100
101 8.7 0.0 27.7
203 17.8 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

Tgt Ion:240 Resp: 73749
Ion Ratio Lower Upper
240 100
120 8.9 6.2 9.2
236 26.3 20.9 31.3

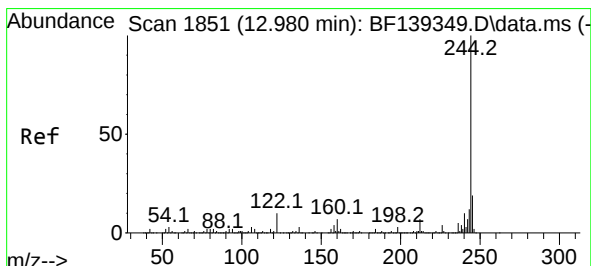
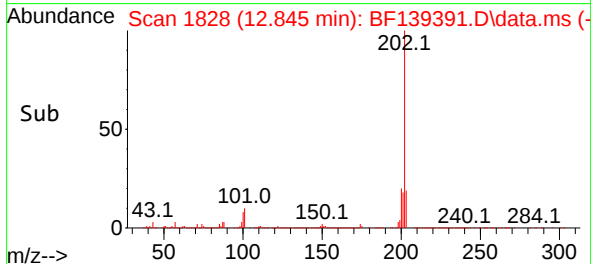
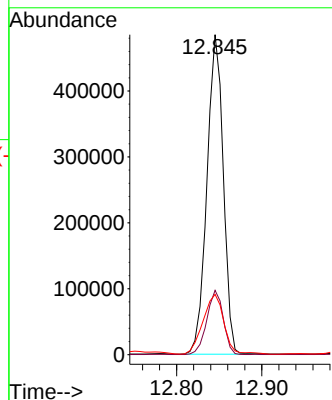
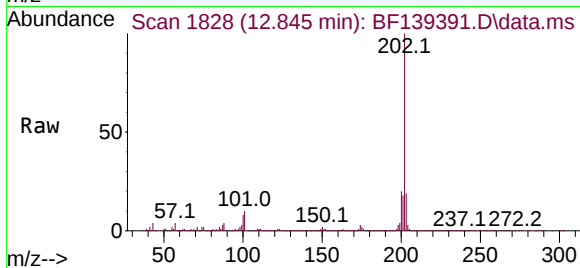




#78
 Pyrene
 Concen: 102.200 ng
 RT: 12.845 min Scan# 1828
 Delta R.T. 0.012 min
 Lab File: BF139391.D
 Acq: 16 Sep 2024 21:12

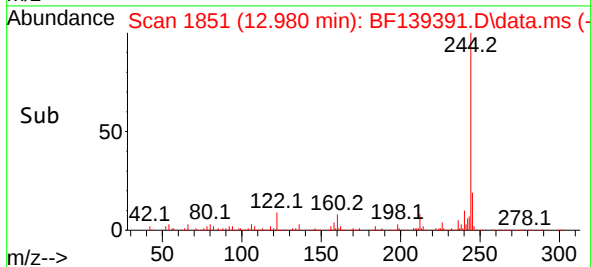
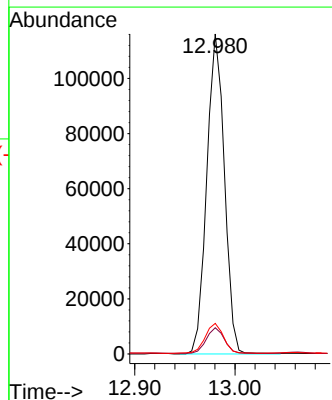
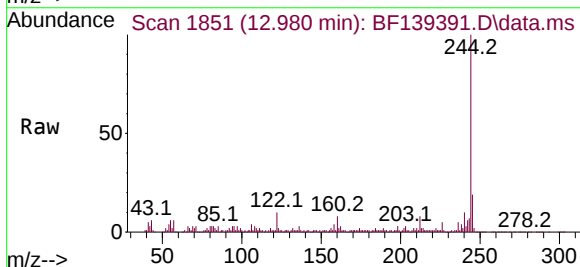
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-091224

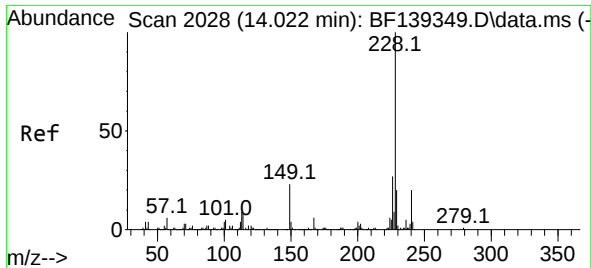
Tgt Ion:202 Resp: 647165
 Ion Ratio Lower Upper
 202 100
 200 20.1 16.2 24.2
 203 18.9 13.9 20.9



#79
 Terphenyl-d14
 Concen: 31.717 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.000 min
 Lab File: BF139391.D
 Acq: 16 Sep 2024 21:12

Tgt Ion:244 Resp: 142508
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.0 9.0
 122 9.6 7.6 11.4

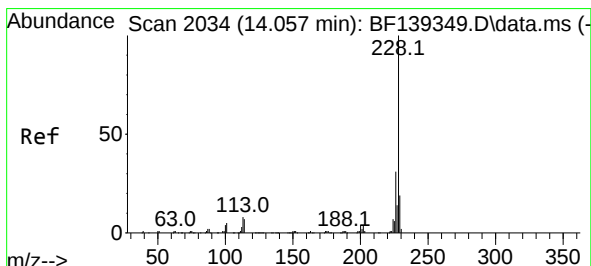
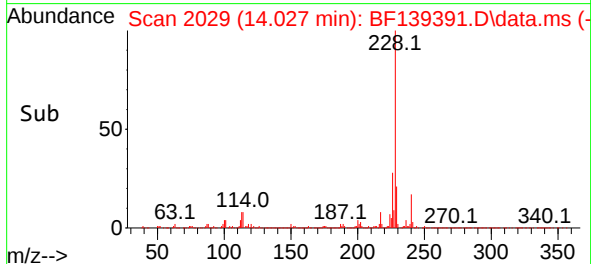
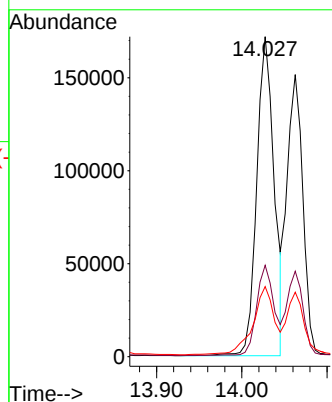
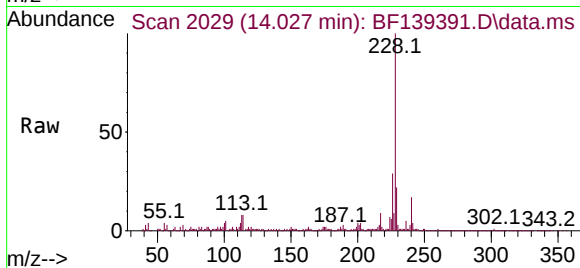




#81
Benzo(a)anthracene
Concen: 50.104 ng
RT: 14.027 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

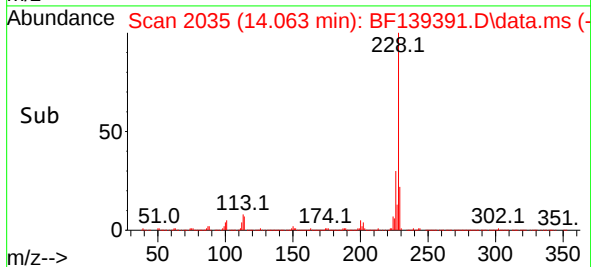
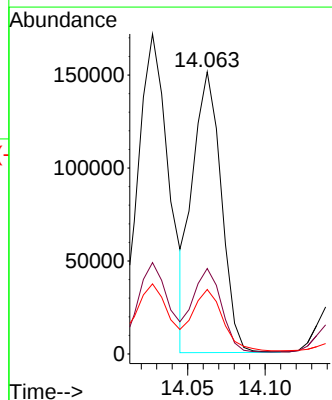
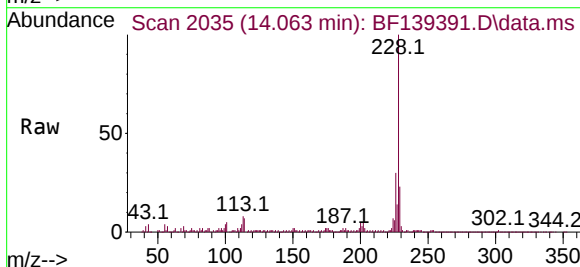
Instrument :
BNA_F
ClientSampleId :
HD-02-091224

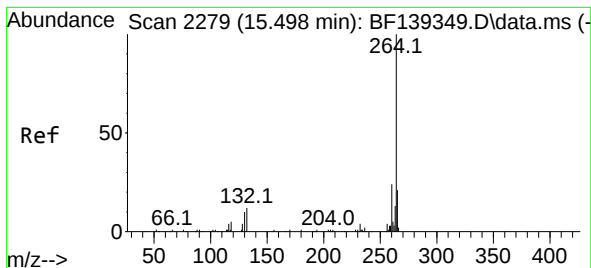
Tgt Ion:228 Resp: 244765
Ion Ratio Lower Upper
228 100
226 28.5 21.6 32.4
229 21.9 15.7 23.5



#83
Chrysene
Concen: 43.150 ng
RT: 14.063 min Scan# 2035
Delta R.T. 0.006 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

Tgt Ion:228 Resp: 193931
Ion Ratio Lower Upper
228 100
226 30.3 24.1 36.1
229 22.9 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139391.D

Acq: 16 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

HD-02-091224

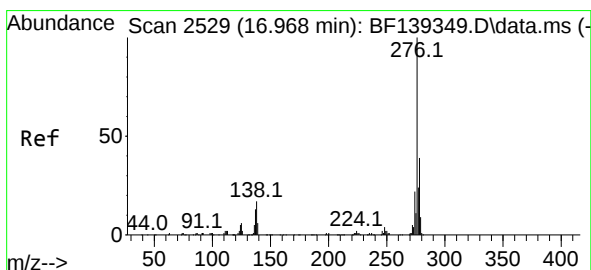
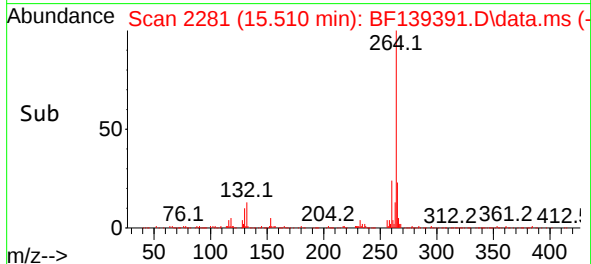
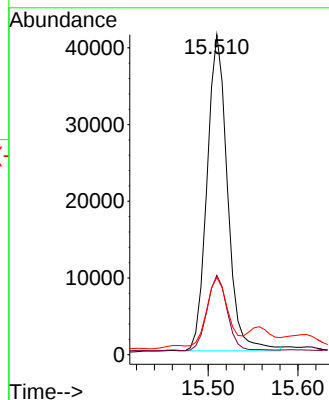
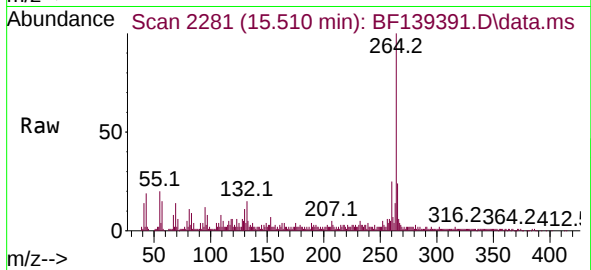
Tgt Ion:264 Resp: 65180

Ion Ratio Lower Upper

264 100

260 24.8 19.5 29.3

265 24.2 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 18.454 ng

RT: 16.980 min Scan# 2531

Delta R.T. 0.012 min

Lab File: BF139391.D

Acq: 16 Sep 2024 21:12

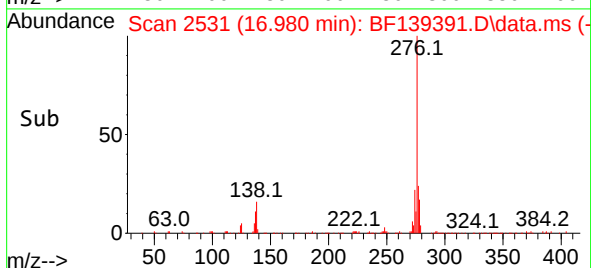
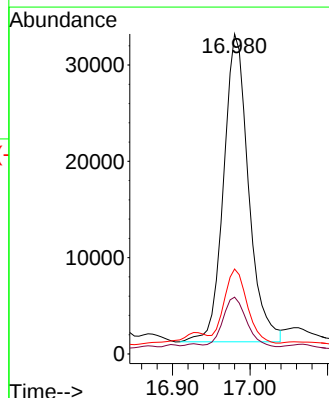
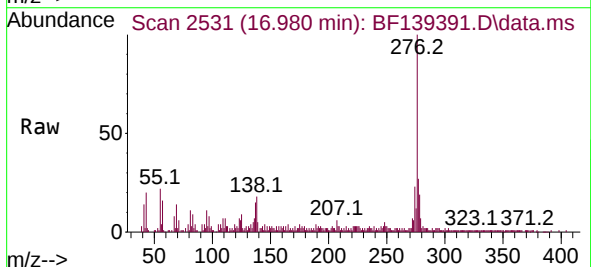
Tgt Ion:276 Resp: 71525

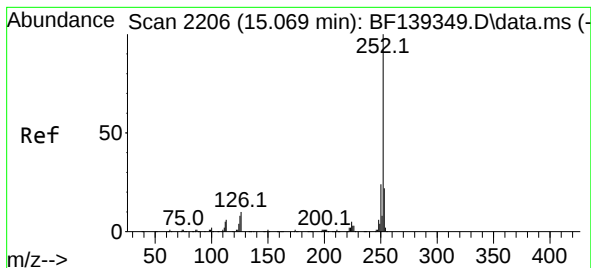
Ion Ratio Lower Upper

276 100

138 16.2 15.4 23.2

277 23.3 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 76.011 ng

RT: 15.080 min Scan# 2208

Delta R.T. 0.012 min

Lab File: BF139391.D

Acq: 16 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

HD-02-091224

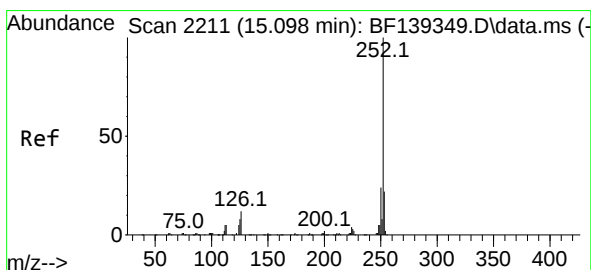
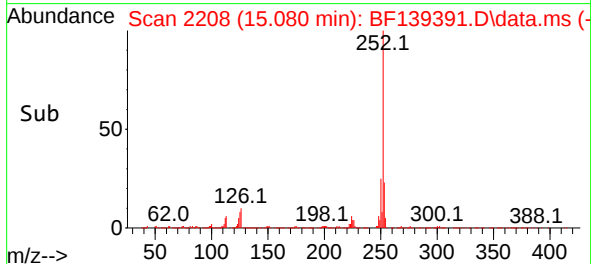
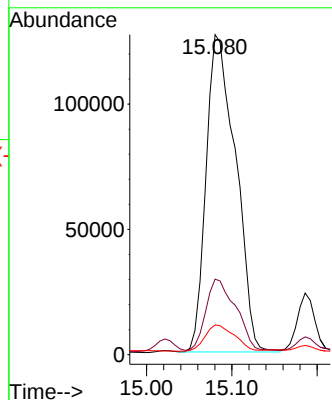
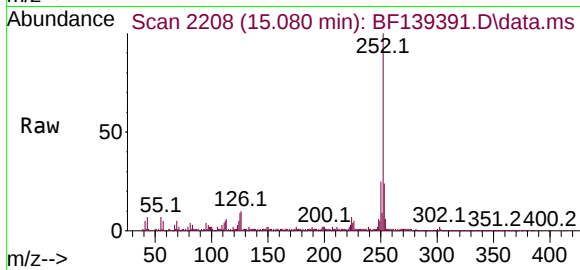
Tgt Ion:252 Resp: 305557

Ion Ratio Lower Upper

252 100

253 23.6 17.6 26.4

125 9.3 6.2 9.2#



#89

Benzo(k)fluoranthene

Concen: 82.439 ng

RT: 15.080 min Scan# 2208

Delta R.T. -0.018 min

Lab File: BF139391.D

Acq: 16 Sep 2024 21:12

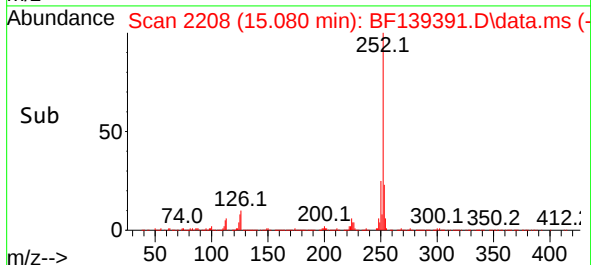
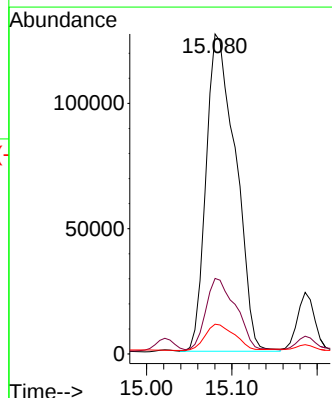
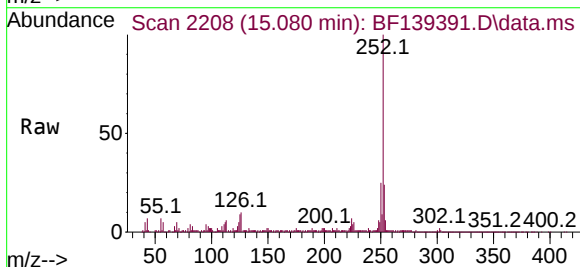
Tgt Ion:252 Resp: 305557

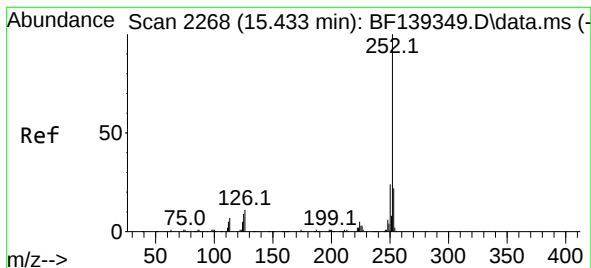
Ion Ratio Lower Upper

252 100

253 23.6 17.3 25.9

125 9.3 5.9 8.9#





#90

Benzo(a)pyrene

Concen: 49.951 ng

RT: 15.451 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF139391.D

Acq: 16 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

HD-02-091224

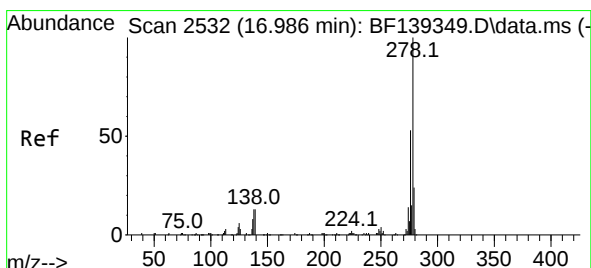
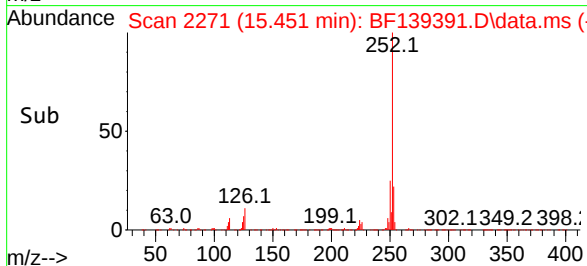
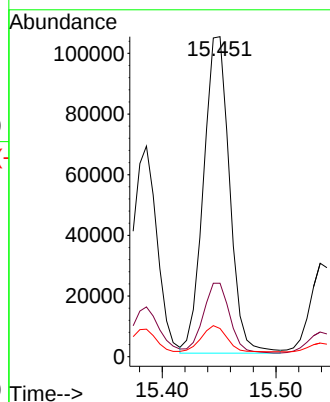
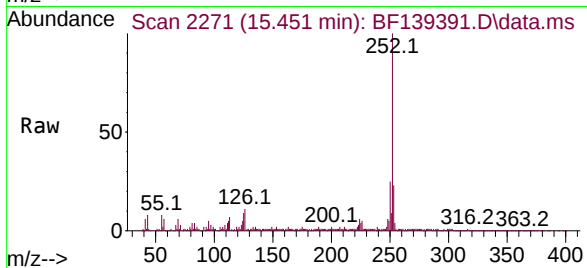
Tgt Ion:252 Resp: 166530

Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

125 8.8 6.8 10.2



#91

Dibenzo(a,h)anthracene

Concen: 5.249 ng

RT: 16.992 min Scan# 2533

Delta R.T. 0.006 min

Lab File: BF139391.D

Acq: 16 Sep 2024 21:12

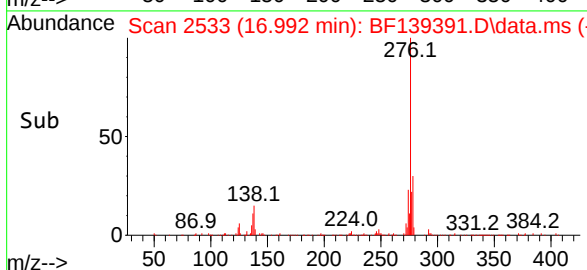
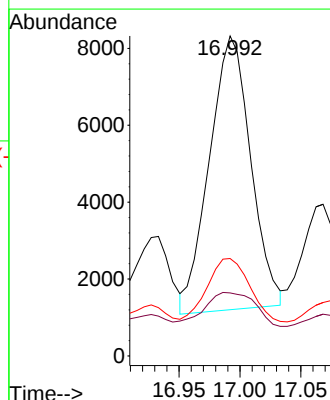
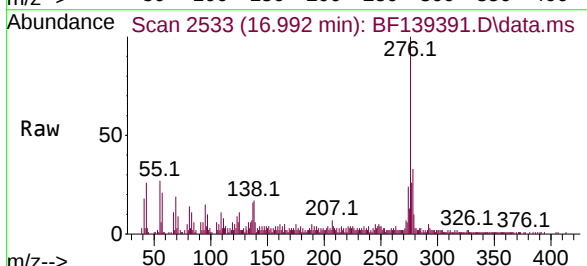
Tgt Ion:278 Resp: 16810

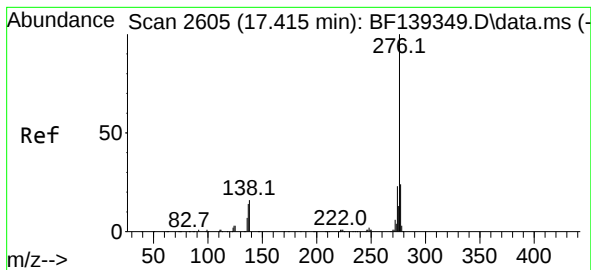
Ion Ratio Lower Upper

278 100

139 19.7 10.2 15.2#

279 30.5 18.9 28.3#





#92

Benzo(g,h,i)perylene

Concen: 22.077 ng

RT: 17.427 min Scan# 2

Delta R.T. 0.012 min

Lab File: BF139391.D

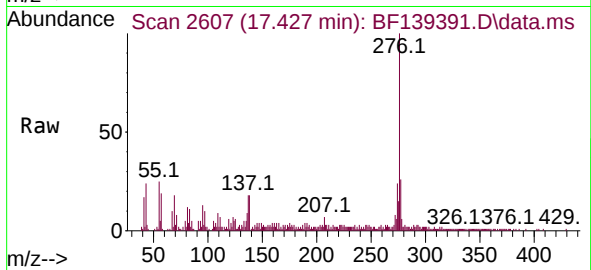
Acq: 16 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

HD-02-091224



Tgt Ion:276 Resp: 70006

Ion Ratio Lower Upper

276 100

277 26.3 18.9 28.3

138 17.5 13.0 19.6

