

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
 Data File : BF140072.D
 Acq On : 26 Oct 2024 21:01
 Operator : RC/JU
 Sample : P4509-01 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-10232024

Quant Time: Oct 28 01:10:58 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

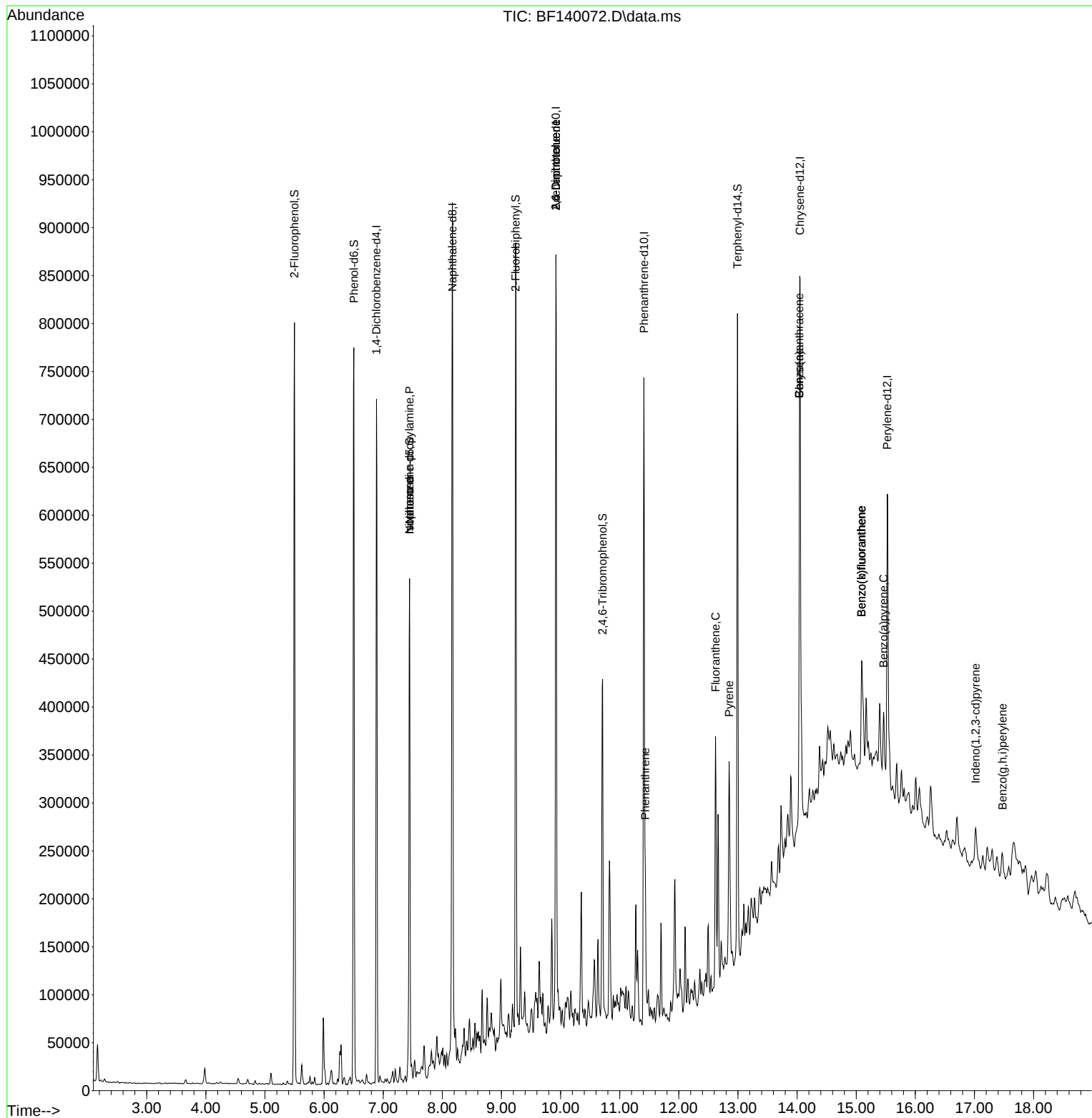
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	144889	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	516739	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	237294	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	355263	20.000	ng	0.00
76) Chrysene-d12	14.051	240	240852	20.000	ng	0.00
86) Perylene-d12	15.527	264	186217	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	283487	30.630	ng	0.00
7) Phenol-d6	6.504	99	346369	28.895	ng	0.00
23) Nitrobenzene-d5	7.445	82	220921	23.695	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	61755	27.823	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	389486	27.127	ng	-0.01
79) Terphenyl-d14	12.992	244	324385	21.946	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.445	70	30430	4.186	ng	# 78
25) Isophorone	7.445	82	217549	12.294	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	31376	9.804	ng	# 22
57) 2,4-Dinitrotoluene	9.922	165	31465	7.995	ng	# 22
71) Phenanthrene	11.433	178	76239	4.543	ng	99
75) Fluoranthene	12.621	202	136854	8.067	ng	98
78) Pyrene	12.851	202	121595	5.768	ng	99
81) Benzo(a)anthracene	14.039	228	69279	4.419	ng	93
83) Chrysene	14.039	228	69279	4.819	ng	96
87) Indeno(1,2,3-cd)pyrene	17.021	276	27296	2.278	ng	# 92
88) Benzo(b)fluoranthene	15.092	252	92798	8.181	ng	# 91
89) Benzo(k)fluoranthene	15.092	252	92798	9.486	ng	# 91
90) Benzo(a)pyrene	15.462	252	42272	4.529	ng	# 87
92) Benzo(g,h,i)perylene	17.474	276	27333	2.738	ng	# 90

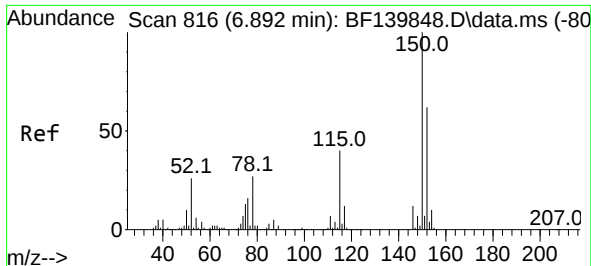
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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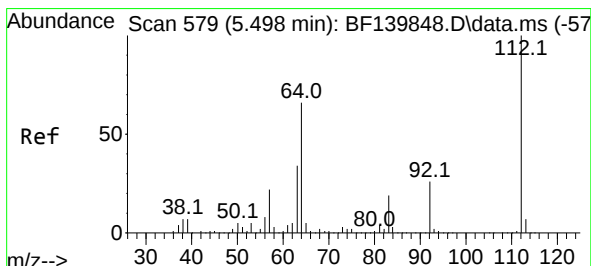
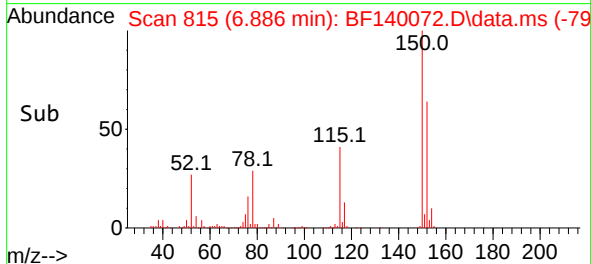
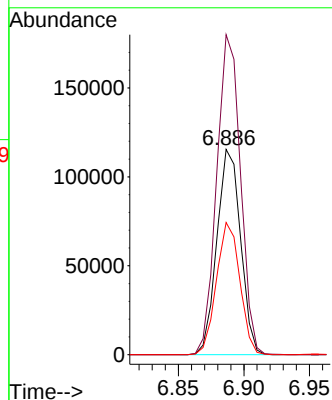
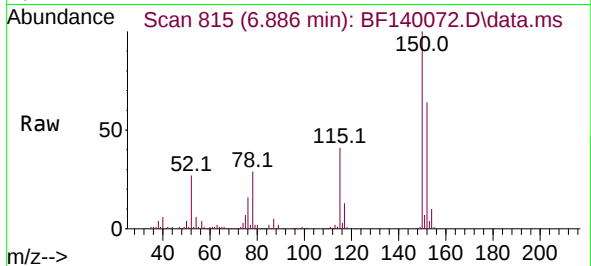




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

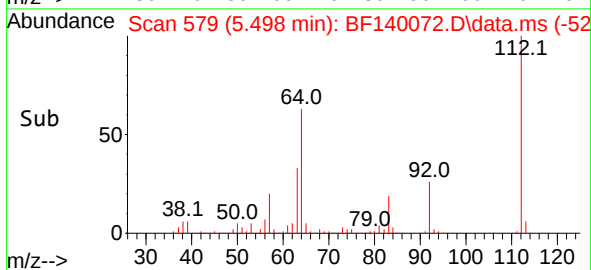
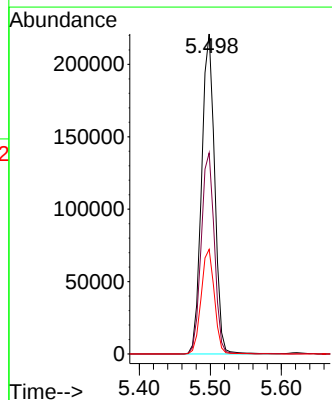
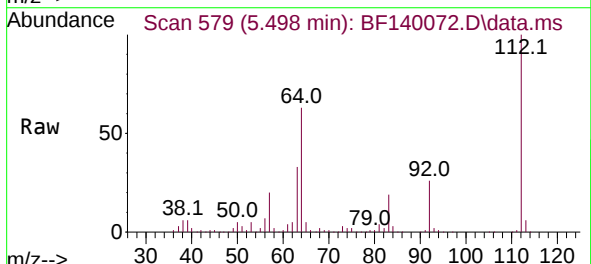
Instrument :
BNA_F
ClientSampleId :
AU-06-10232024

Tgt Ion:152 Resp: 144889
Ion Ratio Lower Upper
152 100
150 155.9 130.2 195.2
115 64.4 51.4 77.2



#5
2-Fluorophenol
Concen: 30.630 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

Tgt Ion:112 Resp: 283487
Ion Ratio Lower Upper
112 100
64 62.9 53.0 79.6
63 32.7 27.0 40.4

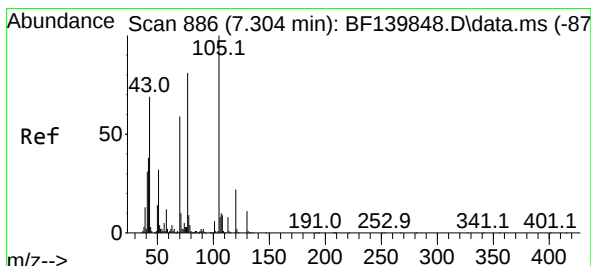
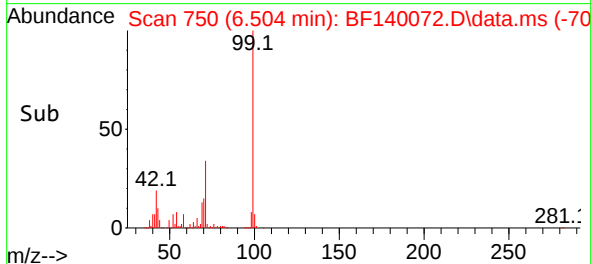
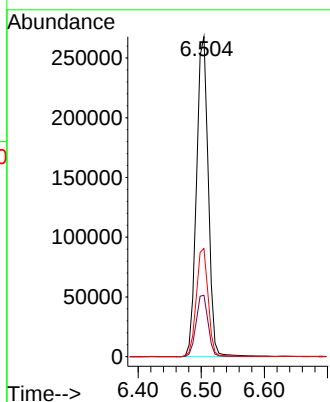
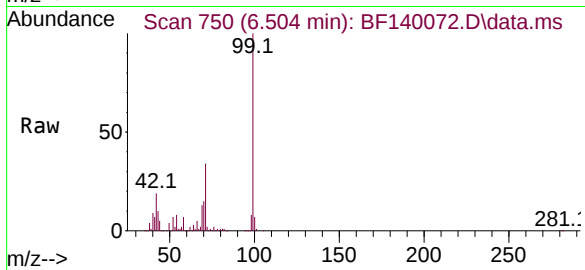




#7
Phenol-d6
Concen: 28.895 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

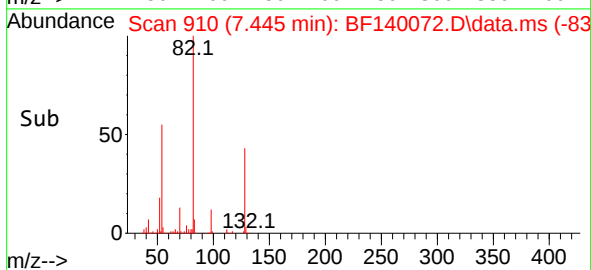
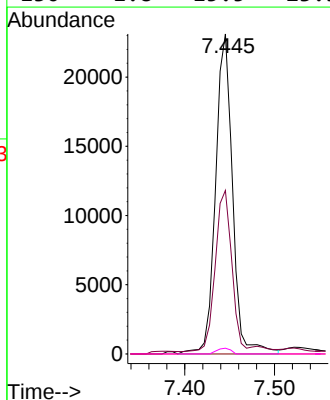
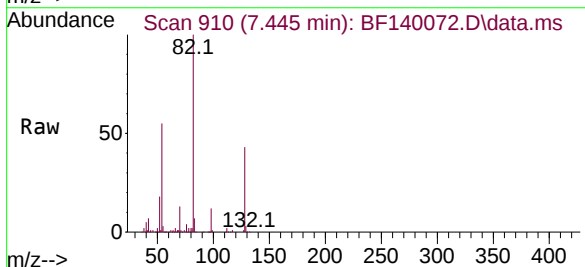
Instrument :
BNA_F
ClientSampleId :
AU-06-10232024

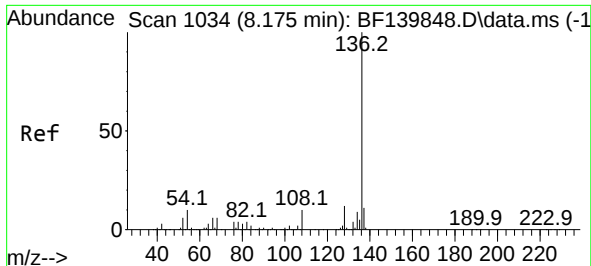
Tgt Ion: 99 Resp: 346369
Ion Ratio Lower Upper
99 100
42 19.2 16.7 25.1
71 33.8 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 4.186 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

Tgt Ion: 70 Resp: 30430
Ion Ratio Lower Upper
70 100
42 51.1 51.5 77.3#
101 0.0 7.5 11.3#
130 1.8 15.5 23.3#



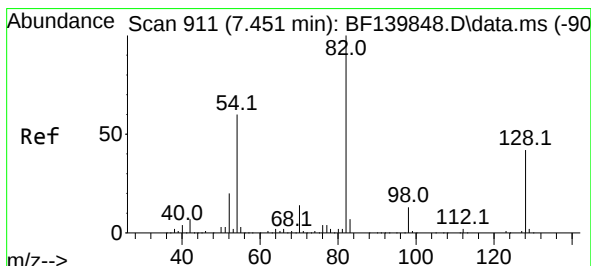
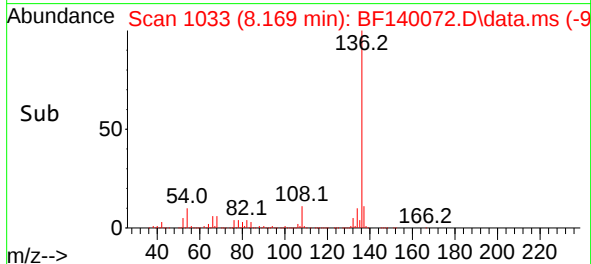
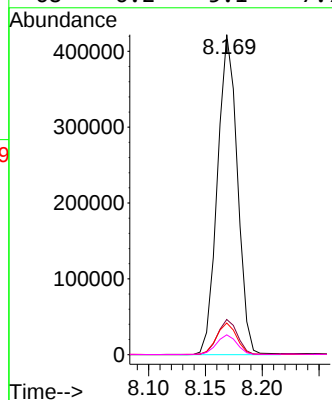
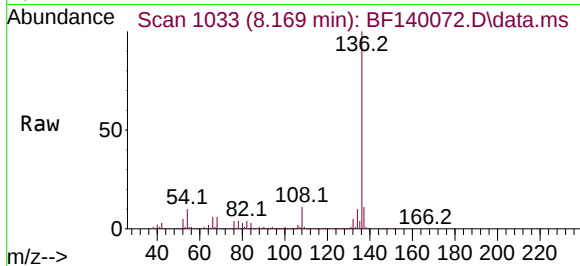


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

Instrument :
BNA_F
ClientSampleId :
AU-06-10232024

Tgt Ion:136 Resp: 516739

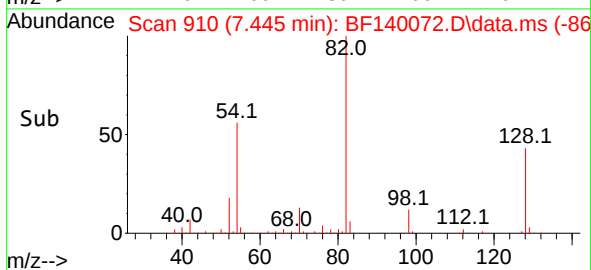
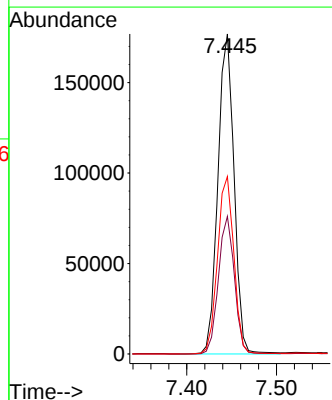
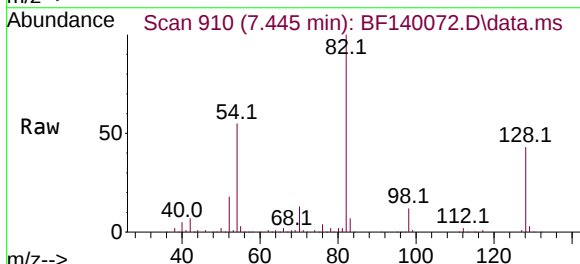
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	9.9	8.4	12.6
68	6.2	5.1	7.7

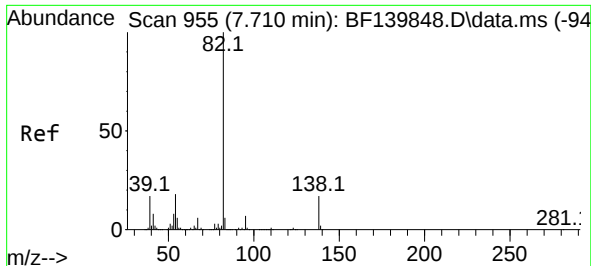


#23
Nitrobenzene-d5
Concen: 23.695 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

Tgt Ion: 82 Resp: 220921

Ion	Ratio	Lower	Upper
82	100		
128	43.0	33.4	50.0
54	55.5	47.8	71.8

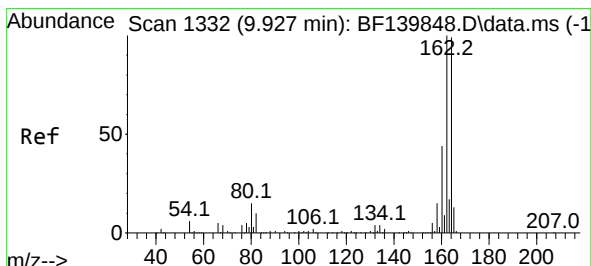
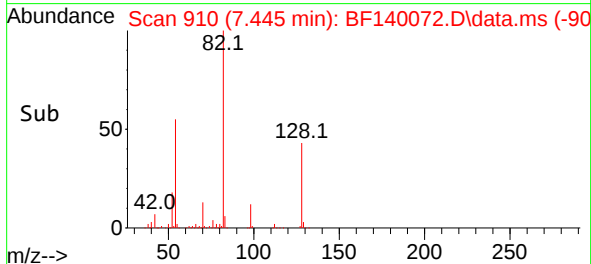
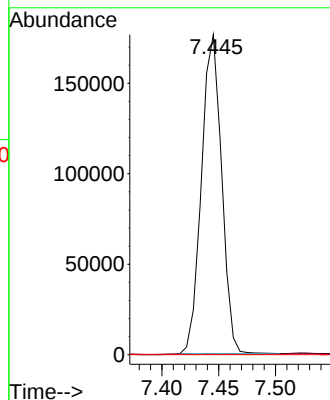
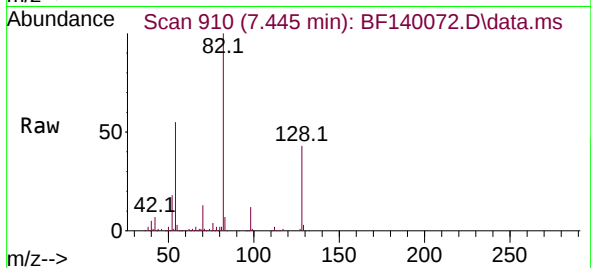




#25
Isophorone
Concen: 12.294 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

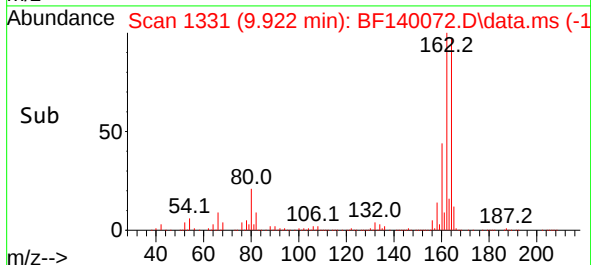
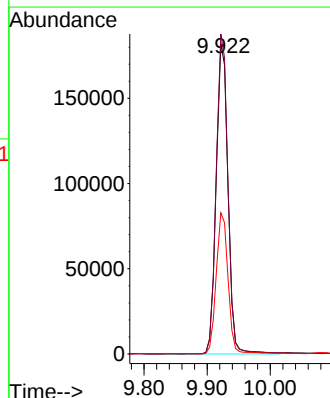
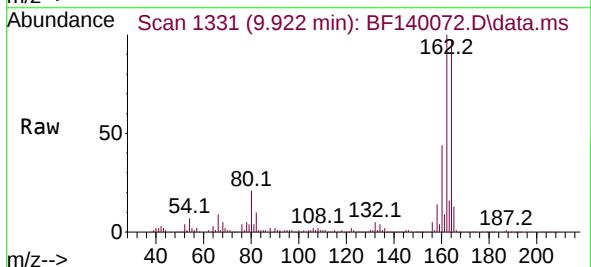
Instrument :
BNA_F
ClientSampleId :
AU-06-10232024

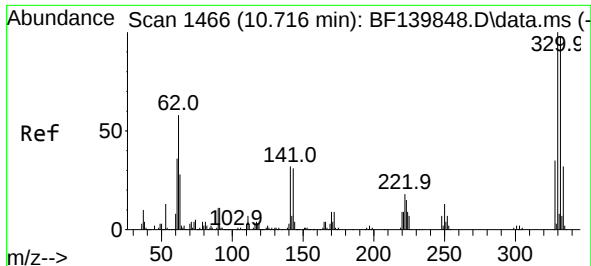
Tgt Ion: 82 Resp: 217549
Ion Ratio Lower Upper
82 100
95 0.2 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

Tgt Ion: 164 Resp: 237294
Ion Ratio Lower Upper
164 100
162 103.1 81.0 121.4
160 45.4 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 27.823 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF140072.D

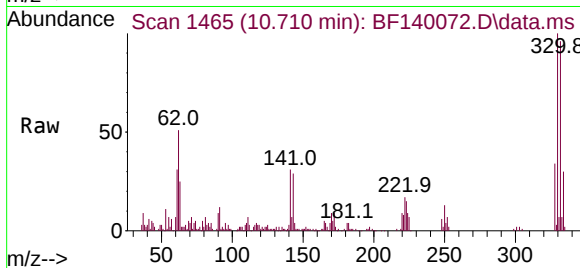
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Instrument :

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ClientSampleId :

AU-06-10232024



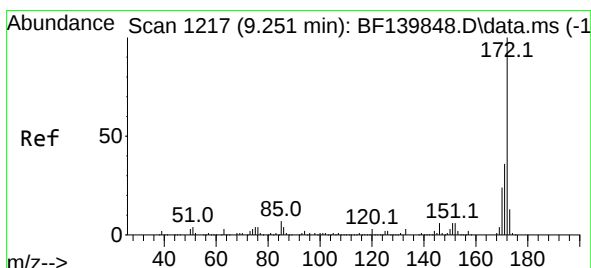
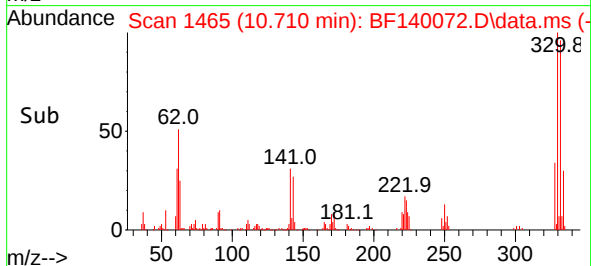
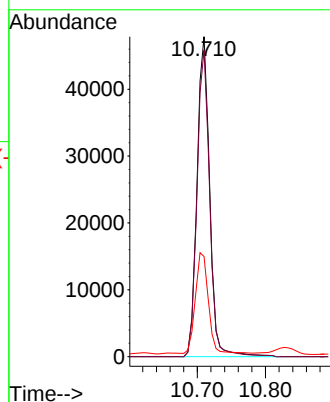
Tgt Ion:330 Resp: 61755

Ion Ratio Lower Upper

330 100

332 95.6 78.1 117.1

141 32.3 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 27.127 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.012 min

Lab File: BF140072.D

Acq: 26 Oct 2024 21:01

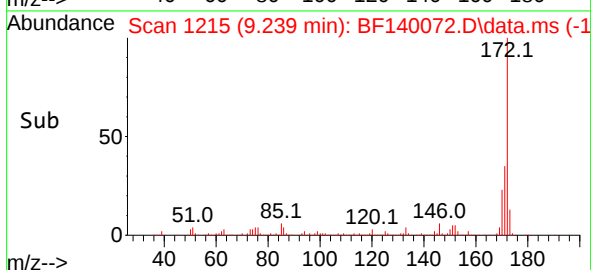
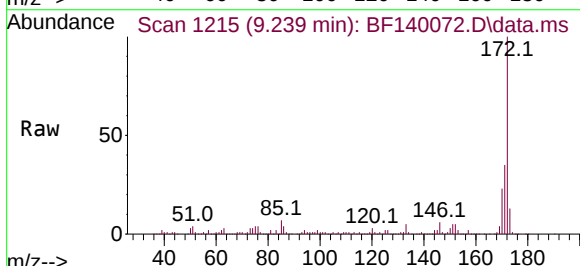
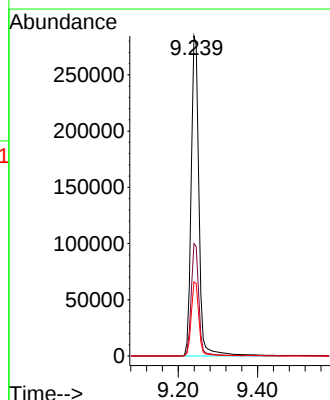
Tgt Ion:172 Resp: 389486

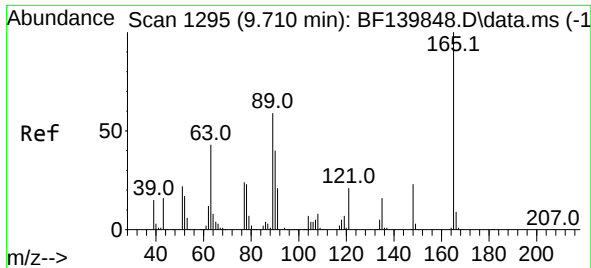
Ion Ratio Lower Upper

172 100

171 35.1 28.6 43.0

170 23.2 19.1 28.7

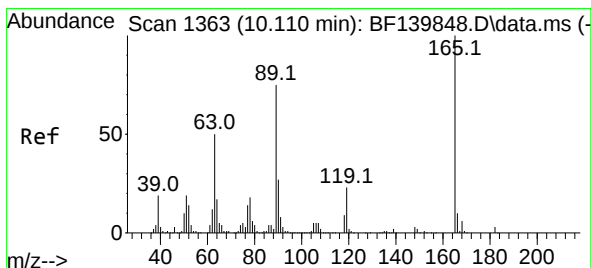
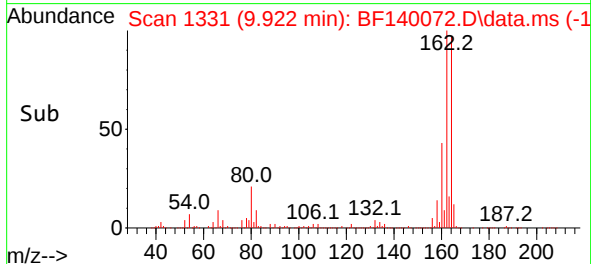
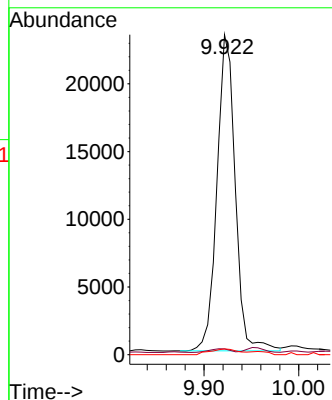
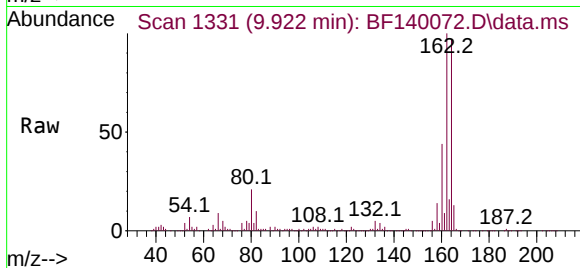




#51
2,6-Dinitrotoluene
Concen: 9.804 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

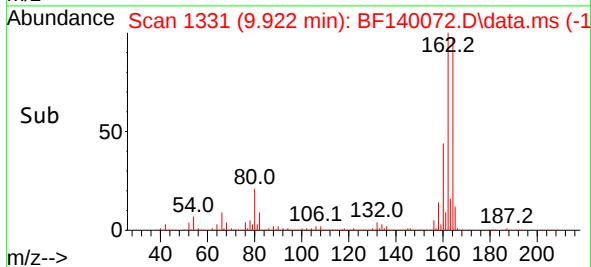
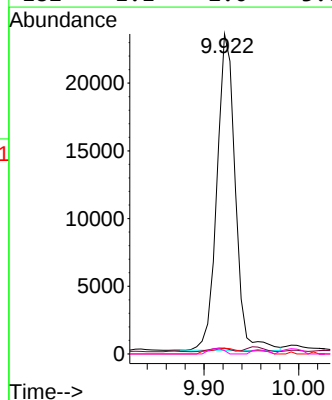
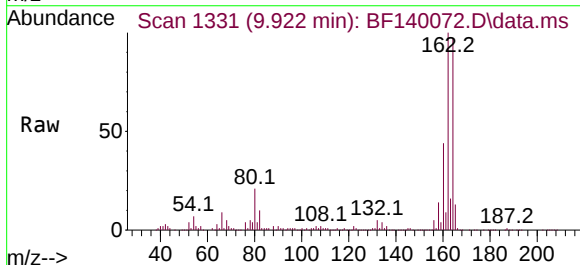
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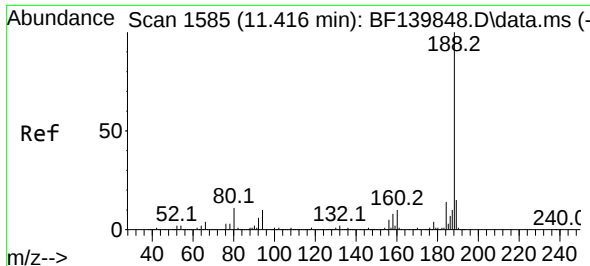
Tgt Ion:165 Resp: 31376
Ion Ratio Lower Upper
165 100
63 1.8 50.6 75.8#
89 1.8 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.995 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

Tgt Ion:165 Resp: 31465
Ion Ratio Lower Upper
165 100
63 1.8 40.1 60.1#
89 1.8 60.4 90.6#
182 1.1 2.0 3.0#

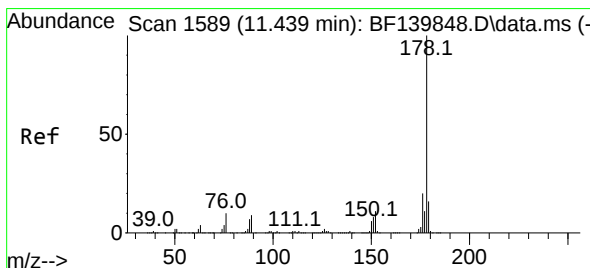
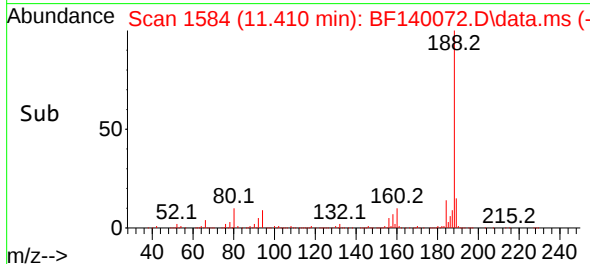
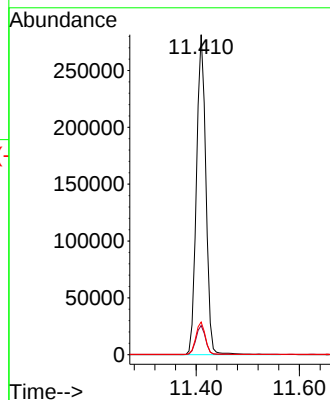
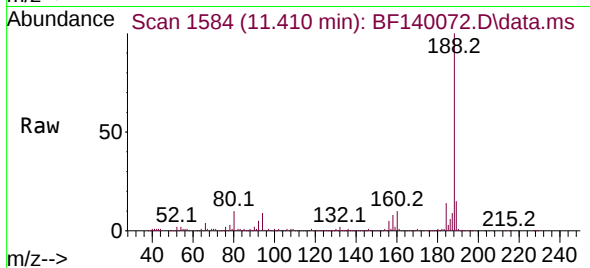




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

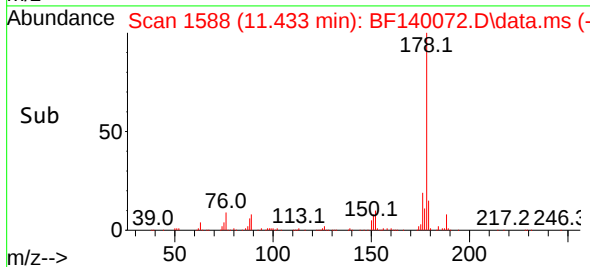
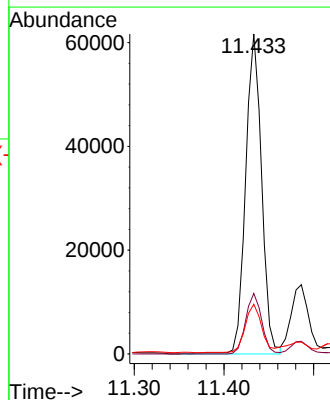
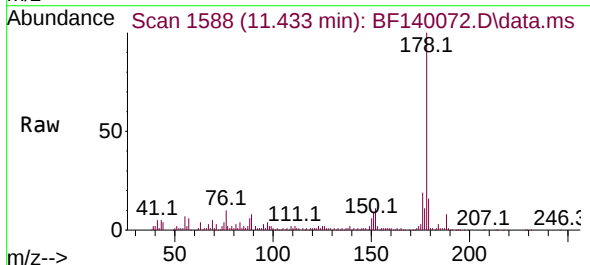
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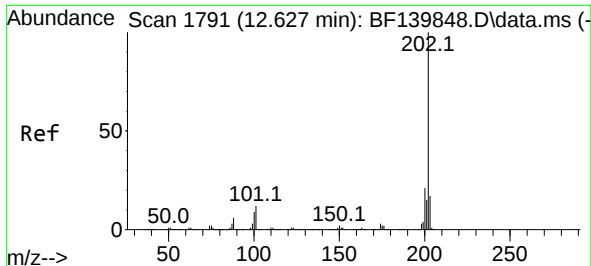
Tgt Ion:188 Resp: 355263
Ion Ratio Lower Upper
188 100
94 9.1 7.9 11.9
80 10.2 9.0 13.4



#71
Phenanthrene
Concen: 4.543 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

Tgt Ion:178 Resp: 76239
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 15.6 12.6 18.8

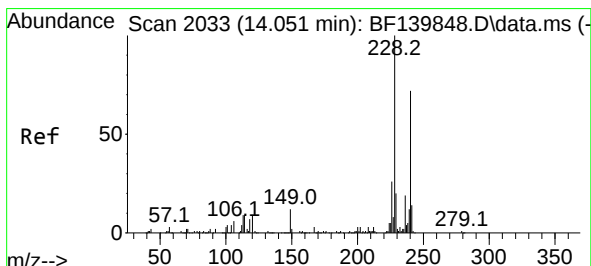
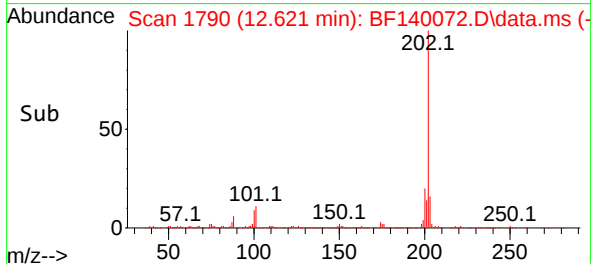
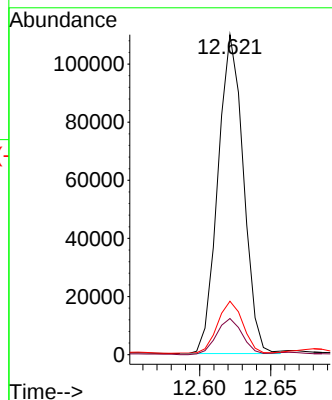
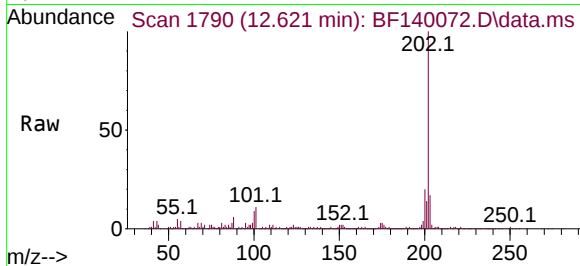




#75
Fluoranthene
Concen: 8.067 ng
RT: 12.621 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

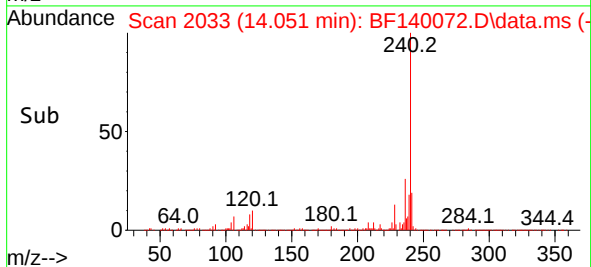
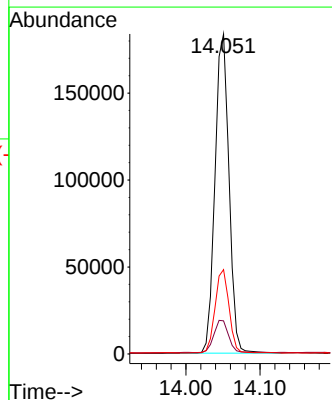
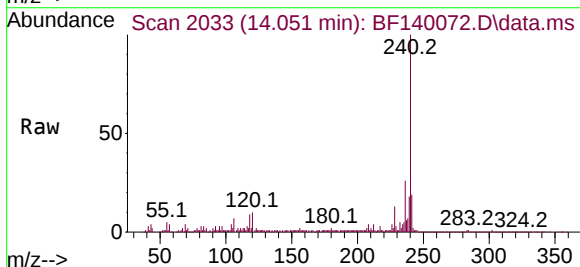
Instrument :
BNA_F
ClientSampleId :
AU-06-10232024

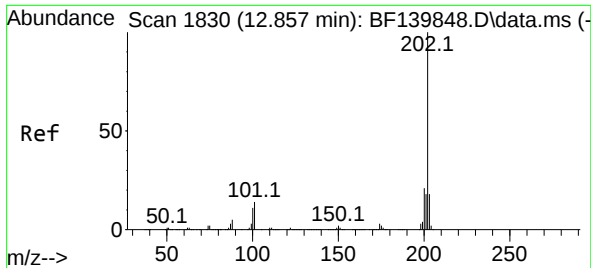
Tgt Ion:202 Resp: 136854
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.9
203 16.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

Tgt Ion:240 Resp: 240852
Ion Ratio Lower Upper
240 100
120 10.3 9.4 14.2
236 26.4 20.9 31.3

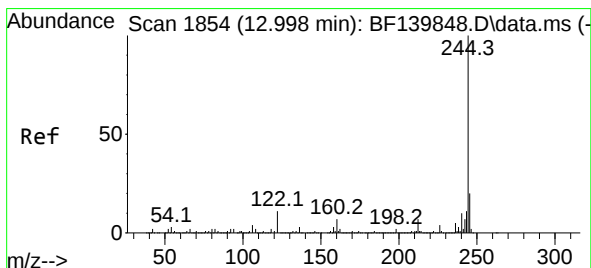
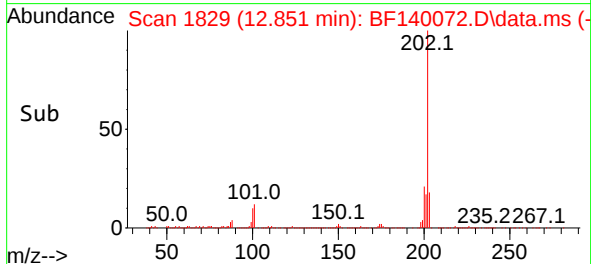
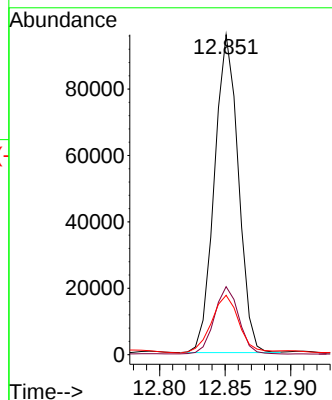
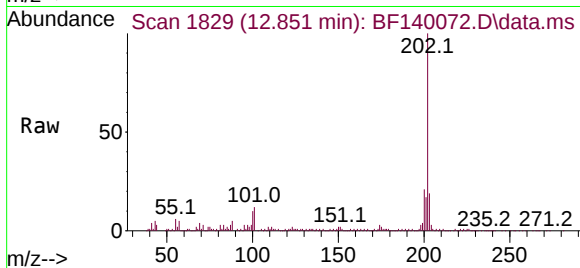




#78
Pyrene
Concen: 5.768 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

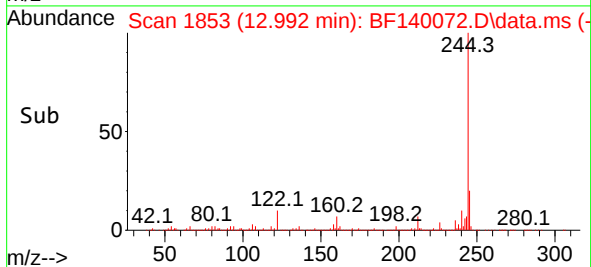
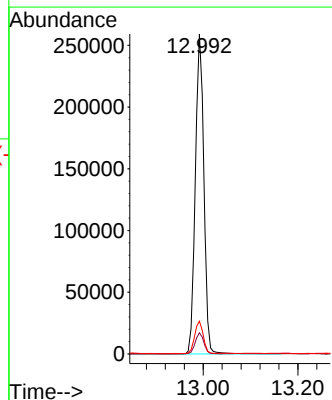
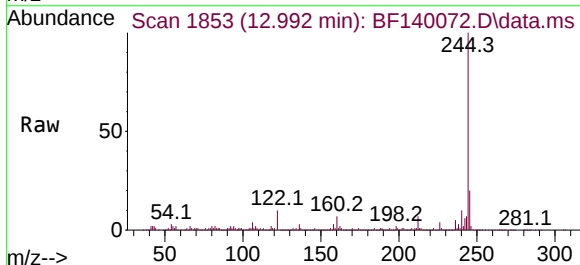
Instrument :
BNA_F
ClientSampleId :
AU-06-10232024

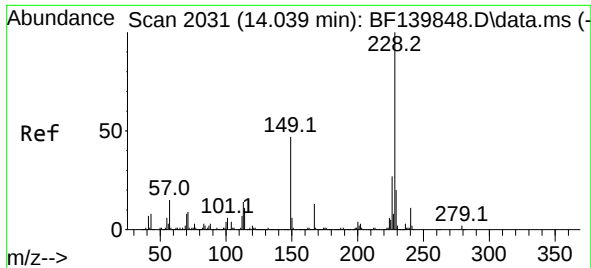
Tgt Ion:202 Resp: 121595
Ion Ratio Lower Upper
202 100
200 21.3 17.2 25.8
203 18.5 14.2 21.4



#79
Terphenyl-d14
Concen: 21.946 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

Tgt Ion:244 Resp: 324385
Ion Ratio Lower Upper
244 100
212 6.6 5.7 8.5
122 10.3 8.6 13.0

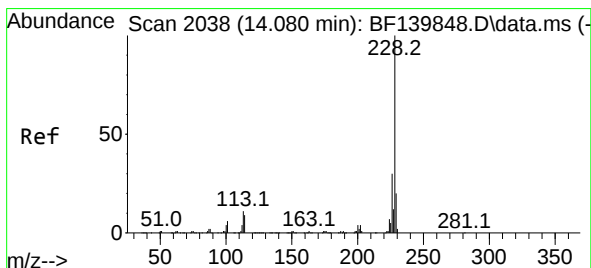
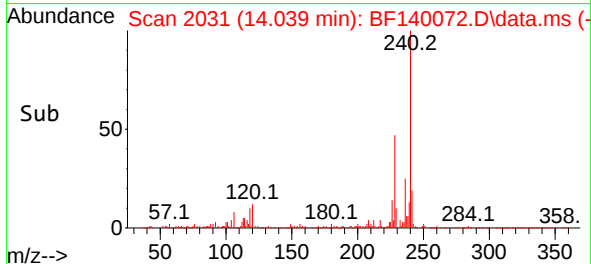
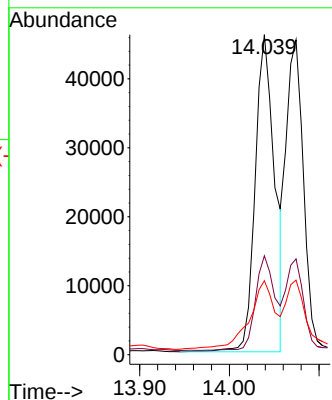
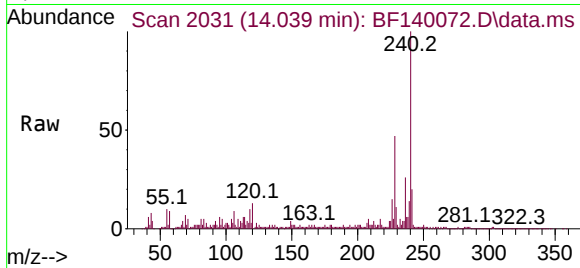




#81
Benzo(a)anthracene
Concen: 4.419 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

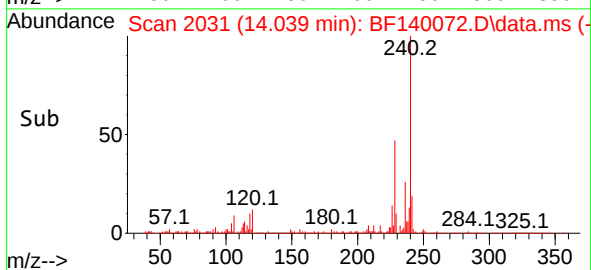
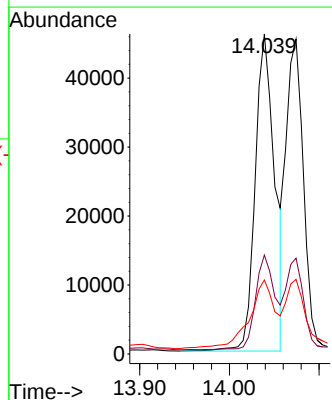
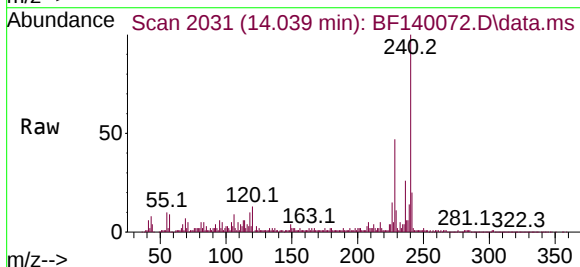
Instrument :
BNA_F
ClientSampleId :
AU-06-10232024

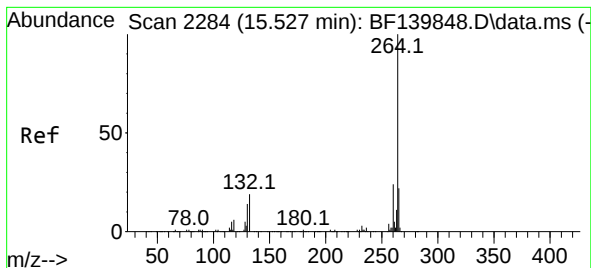
Tgt Ion:228 Resp: 69279
Ion Ratio Lower Upper
228 100
226 30.9 21.6 32.4
229 23.1 16.1 24.1



#83
Chrysene
Concen: 4.819 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.041 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

Tgt Ion:228 Resp: 69279
Ion Ratio Lower Upper
228 100
226 30.9 24.1 36.1
229 23.1 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140072.D

Acq: 26 Oct 2024 21:01

Instrument :

BNA_F

ClientSampleId :

AU-06-10232024

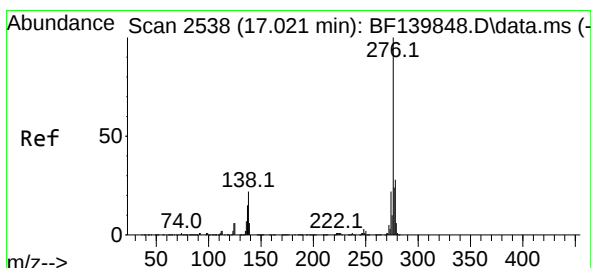
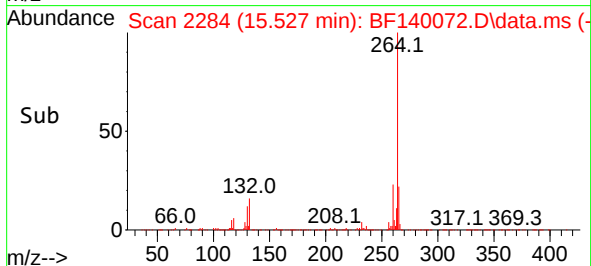
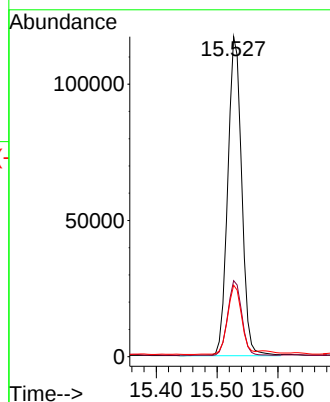
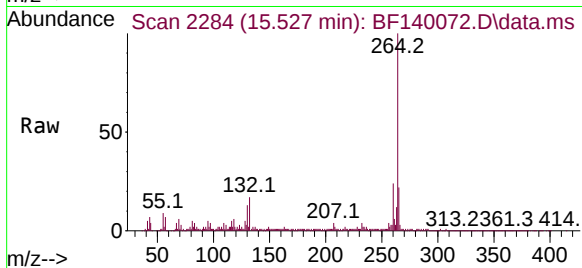
Tgt Ion:264 Resp: 186217

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.2

265 22.4 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.278 ng

RT: 17.021 min Scan# 2538

Delta R.T. -0.000 min

Lab File: BF140072.D

Acq: 26 Oct 2024 21:01

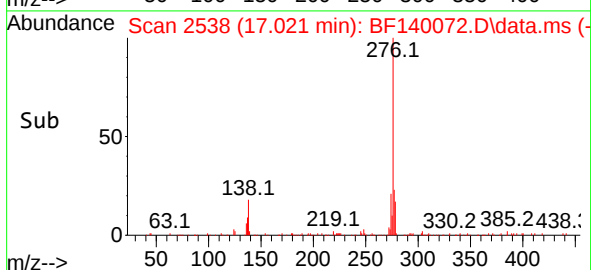
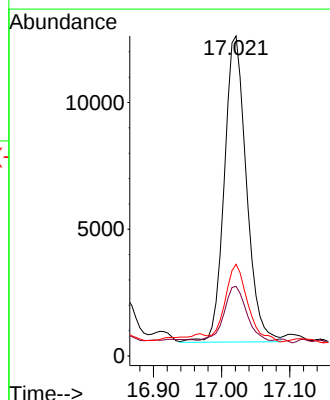
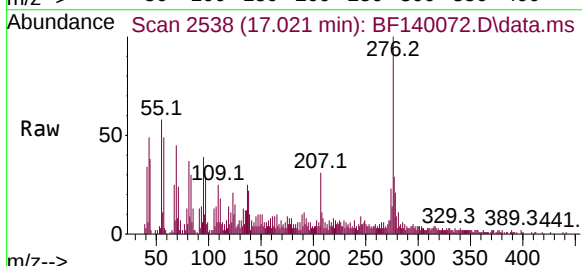
Tgt Ion:276 Resp: 27296

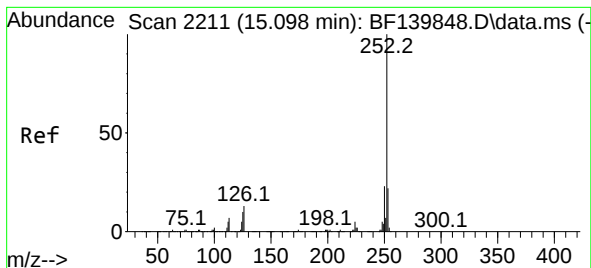
Ion Ratio Lower Upper

276 100

138 18.4 20.4 30.6#

277 25.9 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 8.181 ng

RT: 15.092 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140072.D

Acq: 26 Oct 2024 21:01

Instrument :

BNA_F

ClientSampleId :

AU-06-10232024

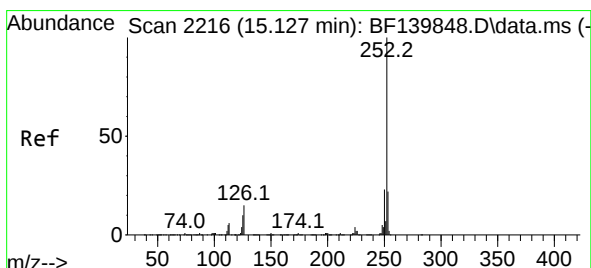
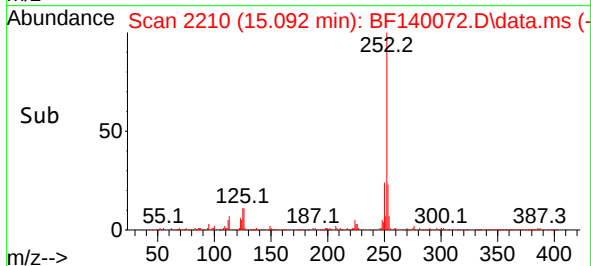
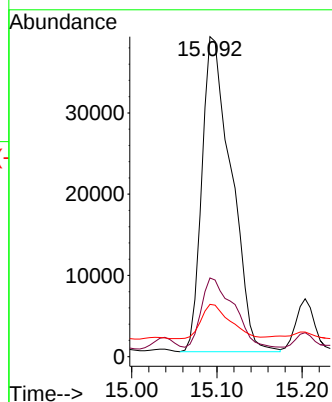
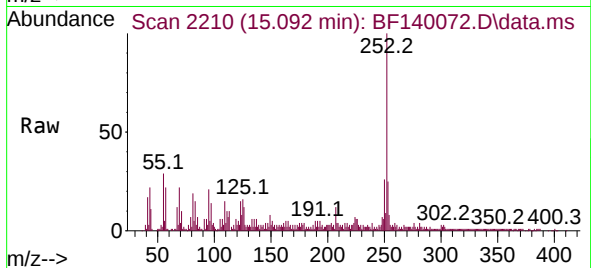
Tgt Ion:252 Resp: 92798

Ion Ratio Lower Upper

252 100

253 24.6 17.6 26.4

125 16.4 7.9 11.9#



#89

Benzo(k)fluoranthene

Concen: 9.486 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.035 min

Lab File: BF140072.D

Acq: 26 Oct 2024 21:01

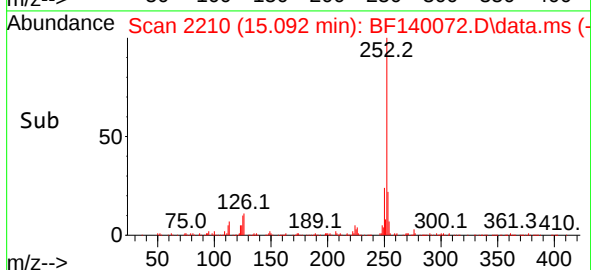
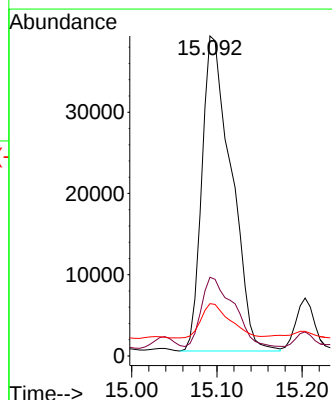
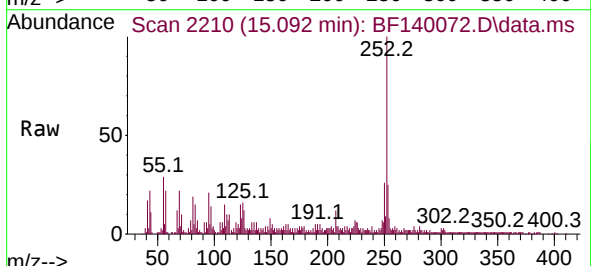
Tgt Ion:252 Resp: 92798

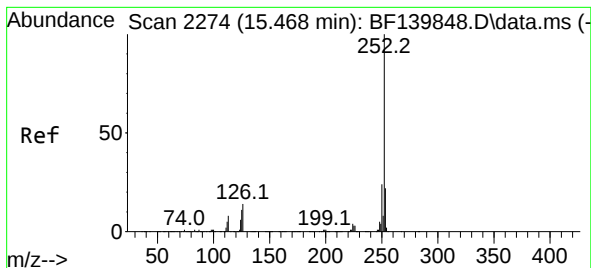
Ion Ratio Lower Upper

252 100

253 24.6 17.6 26.4

125 16.4 7.9 11.9#





#90

Benzo(a)pyrene

Concen: 4.529 ng

RT: 15.462 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140072.D

Acq: 26 Oct 2024 21:01

Instrument :

BNA_F

ClientSampleId :

AU-06-10232024

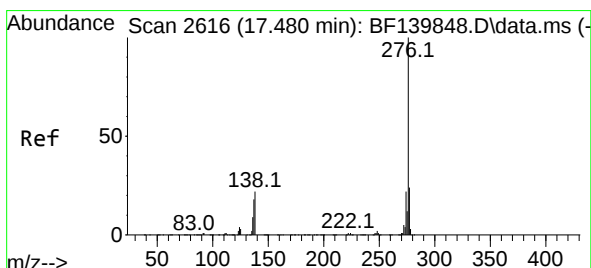
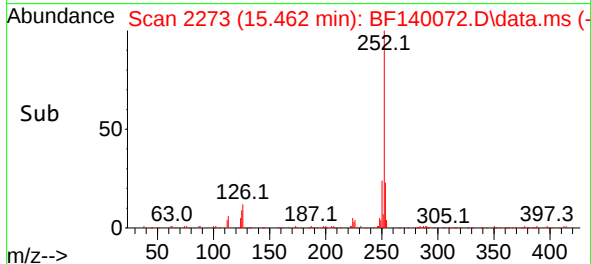
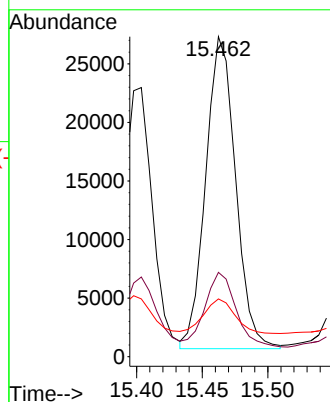
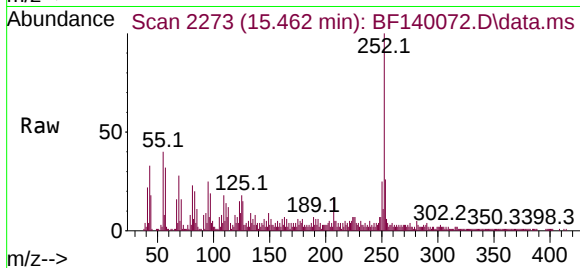
Tgt Ion:252 Resp: 42272

Ion Ratio Lower Upper

252 100

253 26.4 17.3 25.9#

125 18.1 8.7 13.1#



#92

Benzo(g,h,i)perylene

Concen: 2.738 ng

RT: 17.474 min Scan# 2615

Delta R.T. -0.006 min

Lab File: BF140072.D

Acq: 26 Oct 2024 21:01

Tgt Ion:276 Resp: 27333

Ion Ratio Lower Upper

276 100

277 28.6 19.0 28.6#

138 26.7 17.4 26.0#

