

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102824\
 Data File : BF140097.D
 Acq On : 28 Oct 2024 19:55
 Operator : RC/JU
 Sample : P4566-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-102524

Quant Time: Oct 29 00:55:41 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)

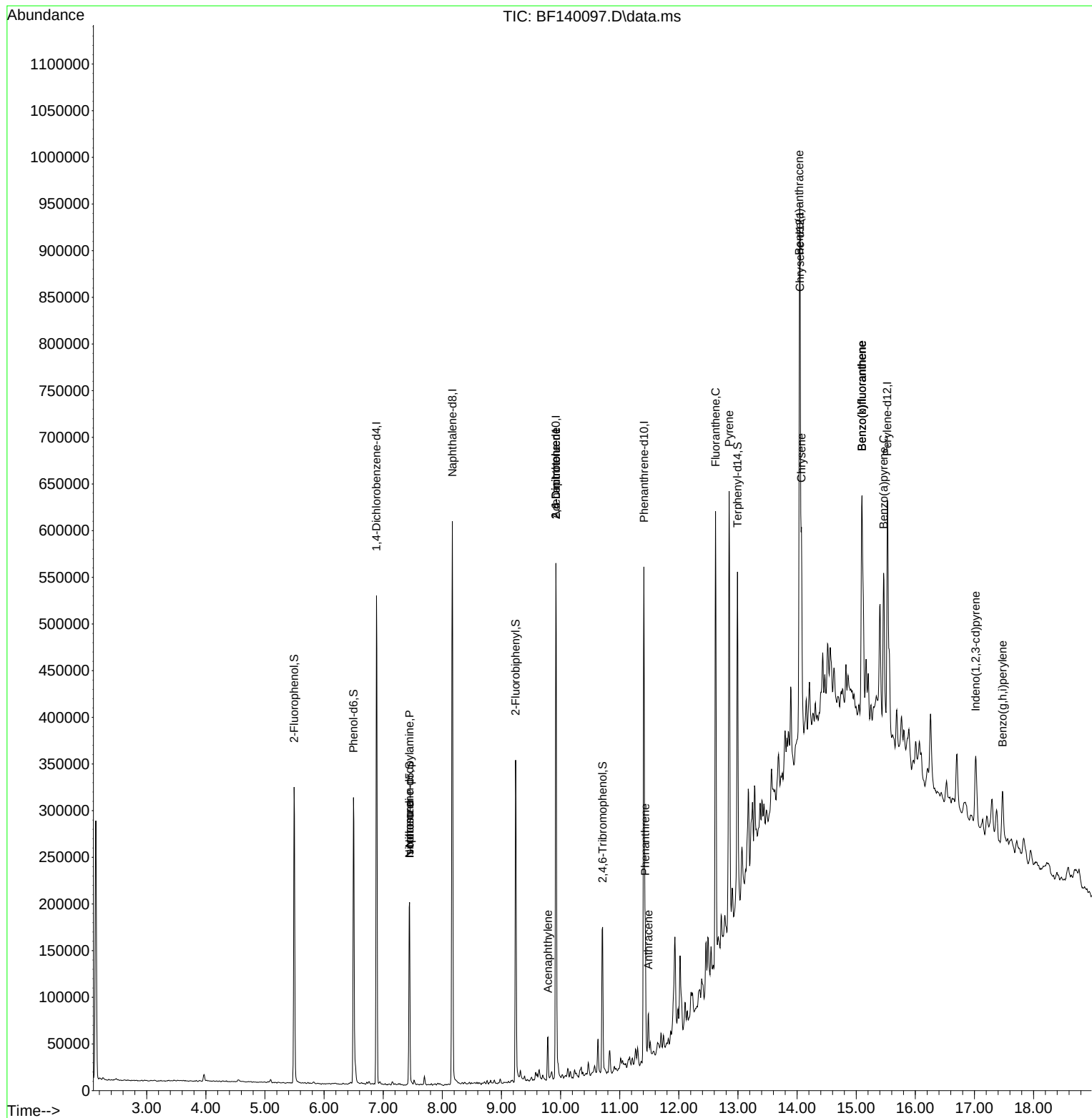
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	107808	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	365780	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	165505	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	280135	20.000	ng	0.00
76) Chrysene-d12	14.051	240	196985	20.000	ng	0.00
86) Perylene-d12	15.527	264	157680	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	116367	16.898	ng	0.00
7) Phenol-d6	6.498	99	139236	15.611	ng	-0.01
23) Nitrobenzene-d5	7.445	82	86572	13.118	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	25795	16.663	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	166173	16.594	ng	-0.01
79) Terphenyl-d14	12.992	244	169689	14.037	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	11123	2.056	ng	# 79
25) Isophorone	7.445	82	85516	6.827	ng	# 67
49) Acenaphthylene	9.786	152	27313	2.036	ng	98
51) 2,6-Dinitrotoluene	9.922	165	21825	9.778	ng	# 22
57) 2,4-Dinitrotoluene	9.922	165	22094	8.049	ng	# 21
71) Phenanthrene	11.433	178	72805	5.502	ng	98
72) Anthracene	11.486	178	28108	2.177	ng	99
75) Fluoranthene	12.621	202	272081	20.340	ng	99
78) Pyrene	12.851	202	264736	15.354	ng	99
81) Benzo(a)anthracene	14.039	228	154018	12.011	ng	95
83) Chrysene	14.074	228	119728	10.183	ng	97
87) Indeno(1,2,3-cd)pyrene	17.021	276	61546	6.067	ng	# 92
88) Benzo(b)fluoranthene	15.098	252	203738	21.211	ng	# 94
89) Benzo(k)fluoranthene	15.098	252	203738	24.595	ng	# 94
90) Benzo(a)pyrene	15.462	252	108306	13.704	ng	# 94
92) Benzo(g,h,i)perylene	17.474	276	61434	7.268	ng	97

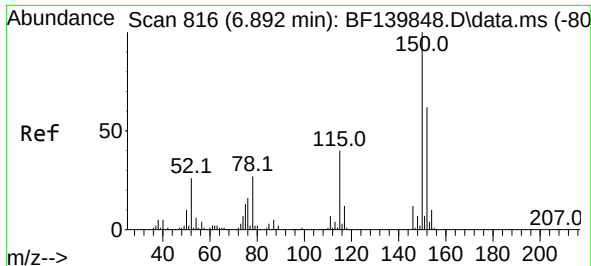
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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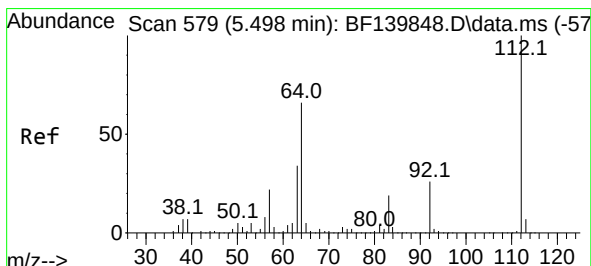
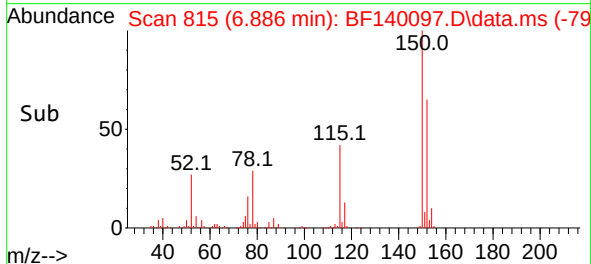
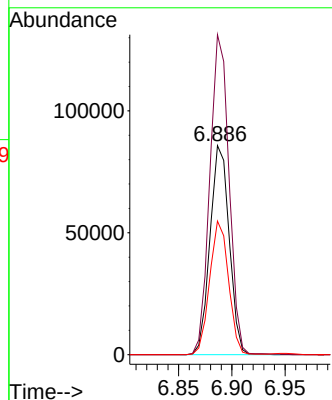
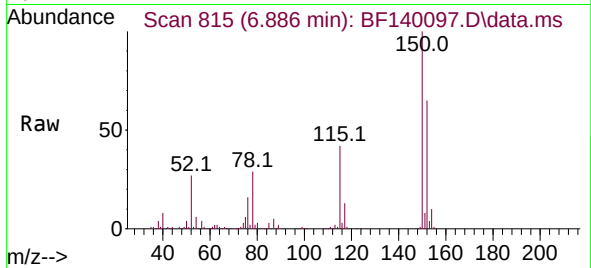




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

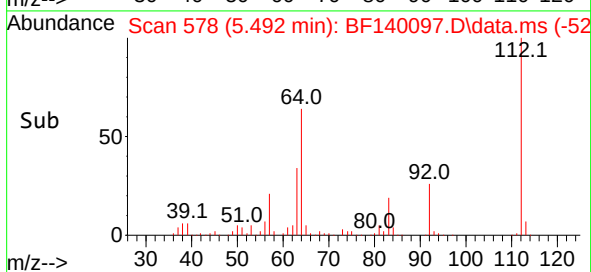
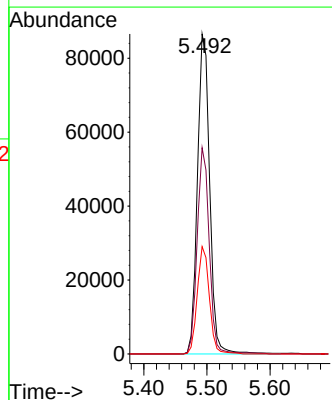
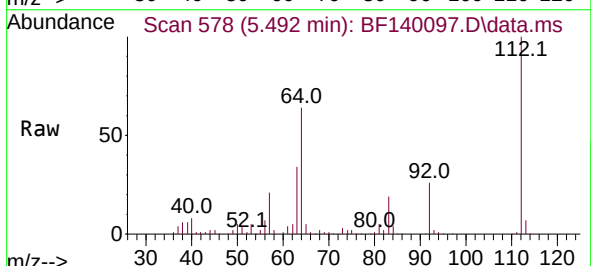
Instrument :
BNA_F
ClientSampleId :
HD-01-102524

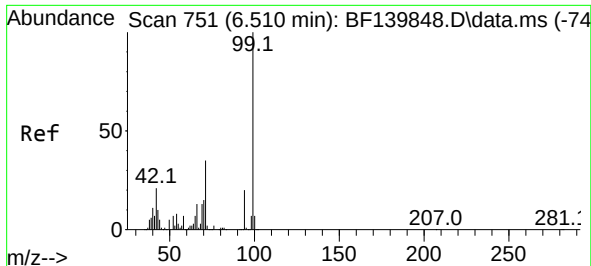
Tgt Ion:152 Resp: 107808
Ion Ratio Lower Upper
152 100
150 153.1 130.2 195.2
115 63.9 51.4 77.2



#5
2-Fluorophenol
Concen: 16.898 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

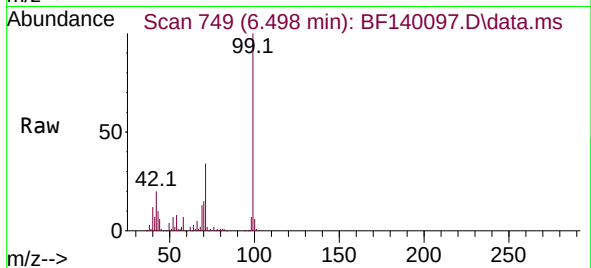
Tgt Ion:112 Resp: 116367
Ion Ratio Lower Upper
112 100
64 64.4 53.0 79.6
63 33.5 27.0 40.4



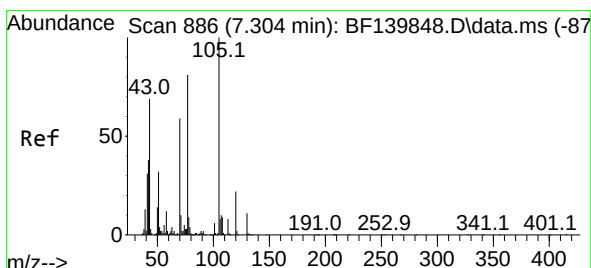
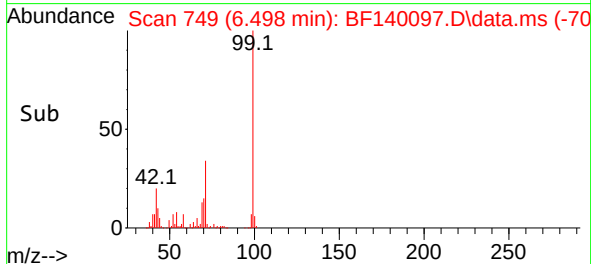
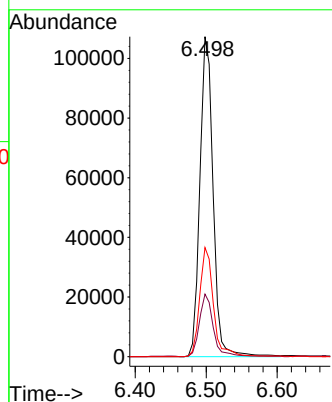


#7
Phenol-d6
Concen: 15.611 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

Instrument :
BNA_F
ClientSampleId :
HD-01-102524

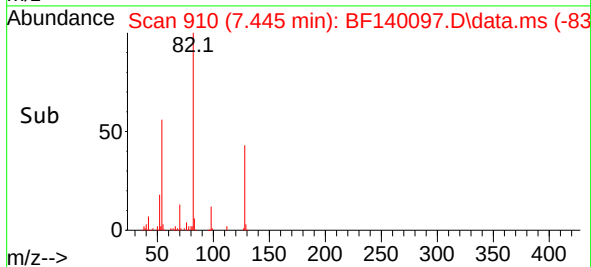
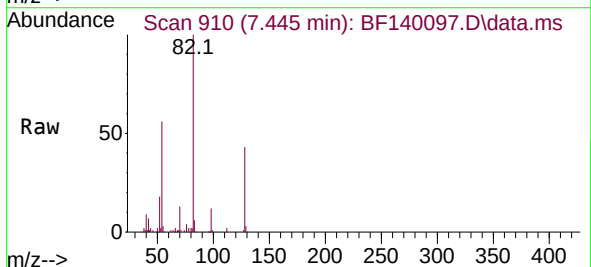
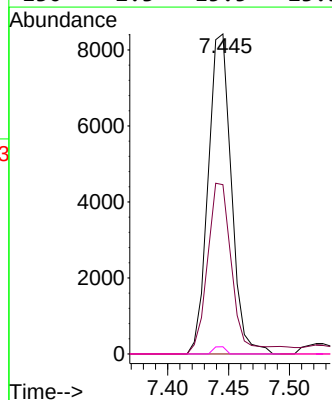


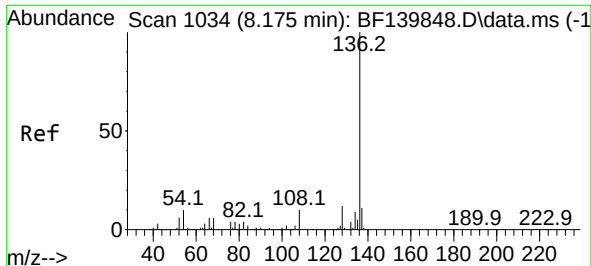
Tgt Ion:	99	Resp:	139236
Ion	Ratio	Lower	Upper
99	100		
42	19.6	16.7	25.1
71	34.1	27.7	41.5



#19
n-Nitroso-di-n-propylamine
Concen: 2.056 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

Tgt Ion:	70	Resp:	11123
Ion	Ratio	Lower	Upper
70	100		
42	52.9	51.5	77.3
101	0.0	7.5	11.3#
130	2.3	15.5	23.3#



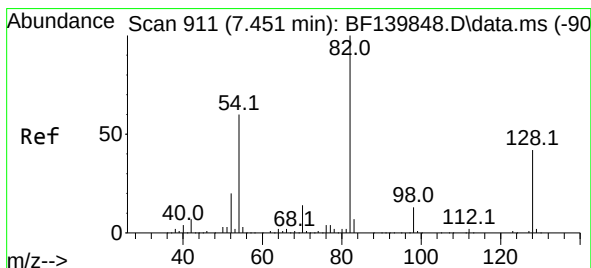
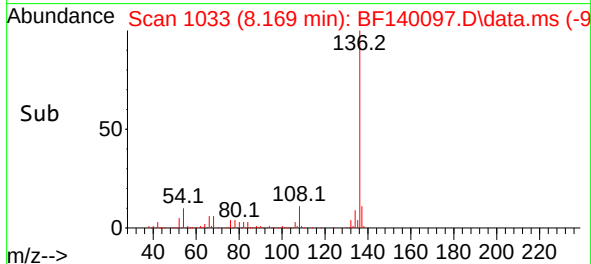
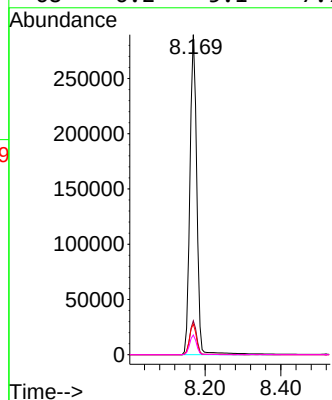
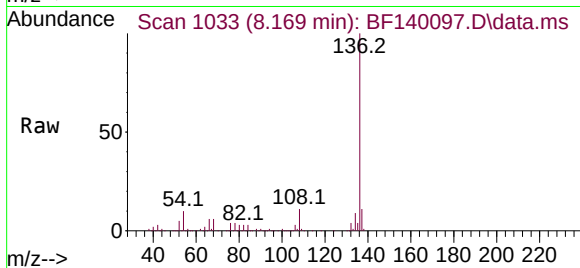


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

Instrument :
BNA_F
ClientSampleId :
HD-01-102524

Tgt Ion:136 Resp: 365780

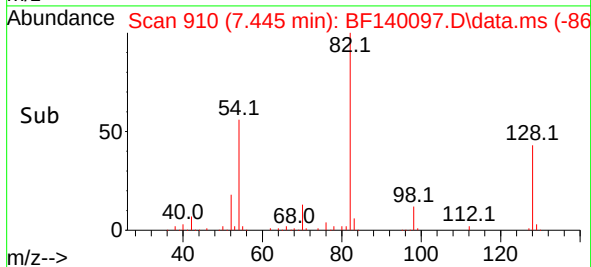
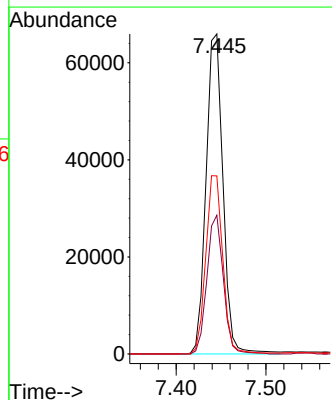
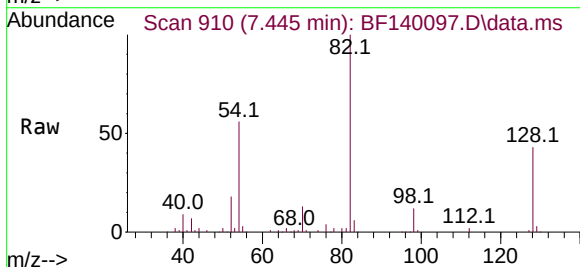
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	12.8
54	9.6	8.4	12.6
68	6.2	5.1	7.7

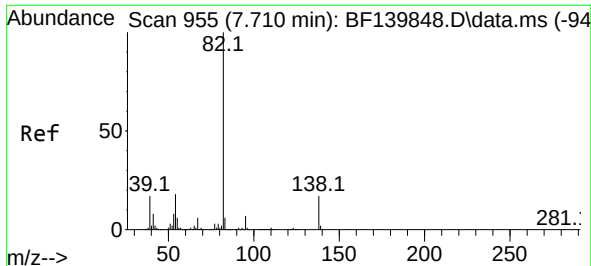


#23
Nitrobenzene-d5
Concen: 13.118 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

Tgt Ion: 82 Resp: 86572

Ion	Ratio	Lower	Upper
82	100		
128	43.4	33.4	50.0
54	55.7	47.8	71.8

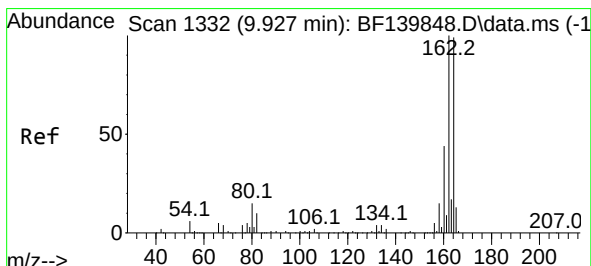
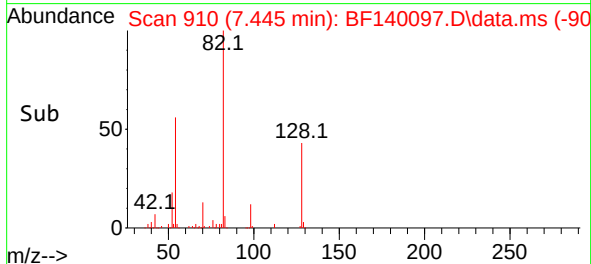
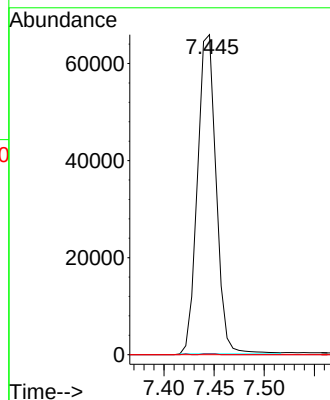
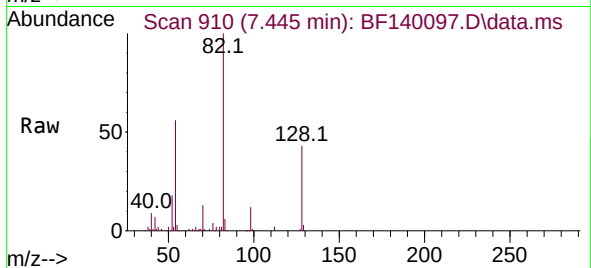




#25
Isophorone
Concen: 6.827 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

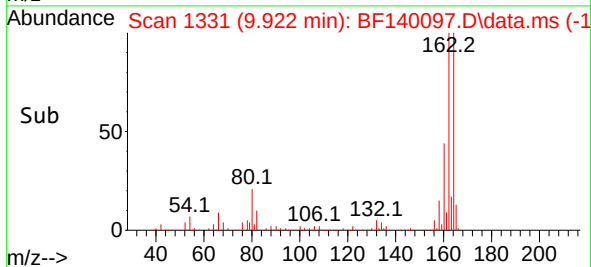
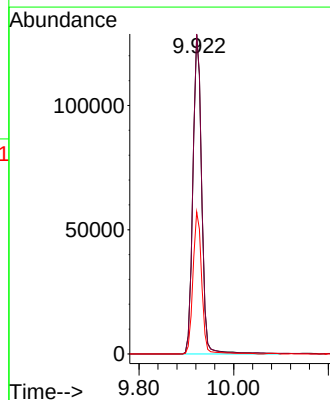
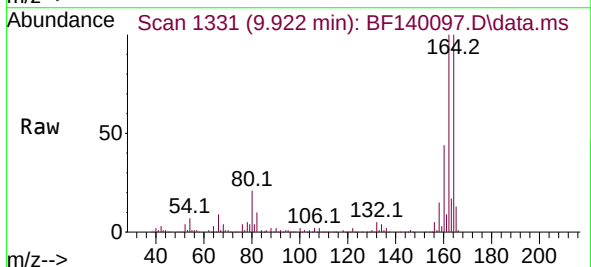
Instrument :
BNA_F
ClientSampleId :
HD-01-102524

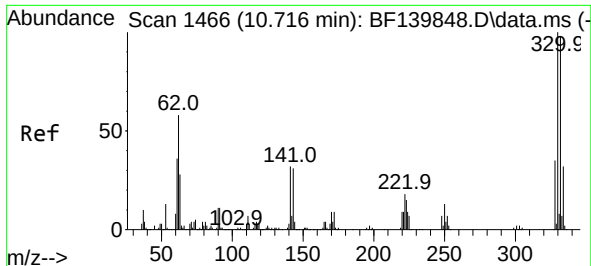
Tgt Ion: 82 Resp: 85516
Ion Ratio Lower Upper
82 100
95 0.2 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

Tgt Ion: 164 Resp: 165505
Ion Ratio Lower Upper
164 100
162 100.2 81.0 121.4
160 44.5 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 16.663 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF140097.D

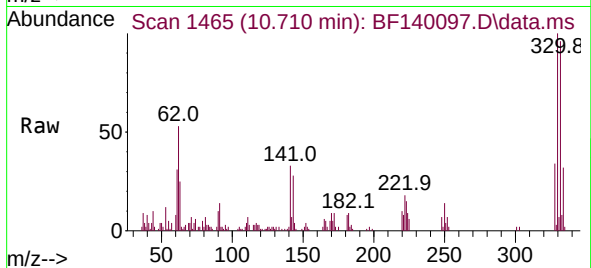
Acq: 28 Oct 2024 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-102524



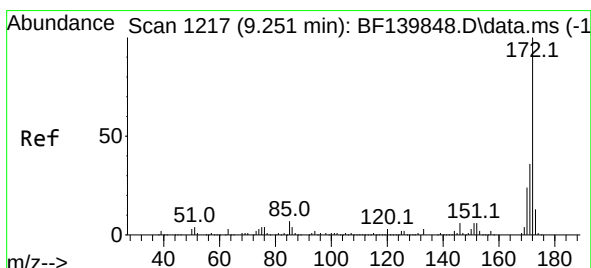
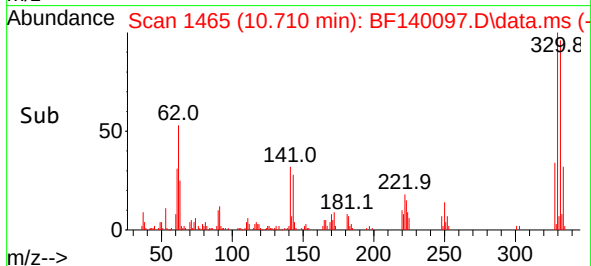
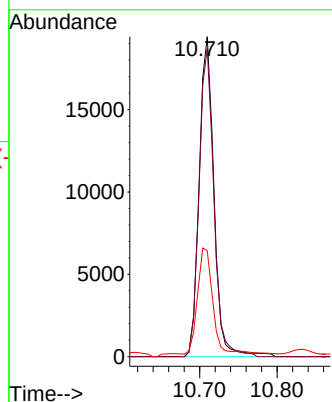
Tgt Ion:330 Resp: 25795

Ion Ratio Lower Upper

330 100

332 95.9 78.1 117.1

141 35.7 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 16.594 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.012 min

Lab File: BF140097.D

Acq: 28 Oct 2024 19:55

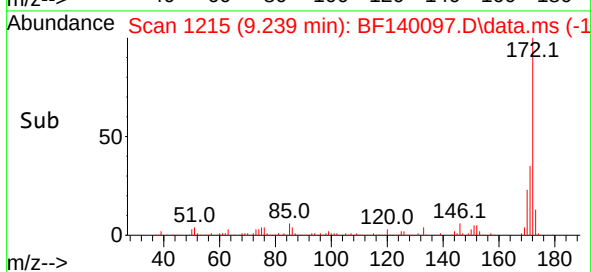
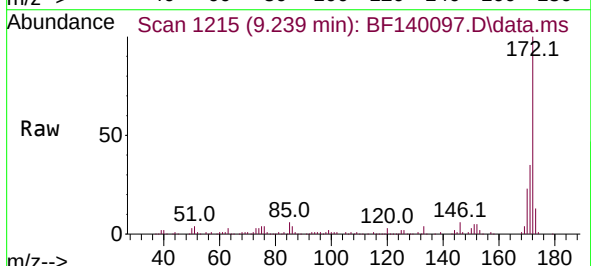
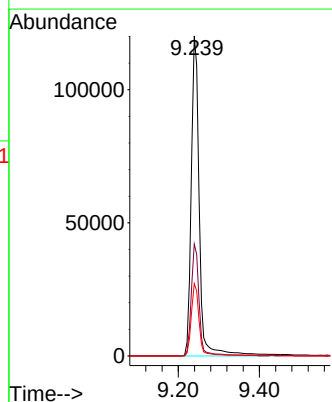
Tgt Ion:172 Resp: 166173

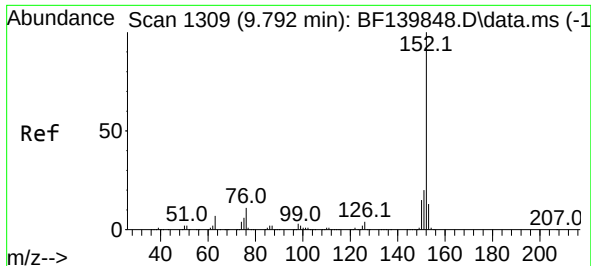
Ion Ratio Lower Upper

172 100

171 35.0 28.6 43.0

170 22.6 19.1 28.7





#49

Acenaphthylene

Concen: 2.036 ng

RT: 9.786 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140097.D

Acq: 28 Oct 2024 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-102524

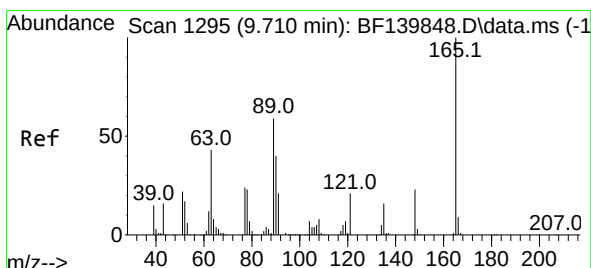
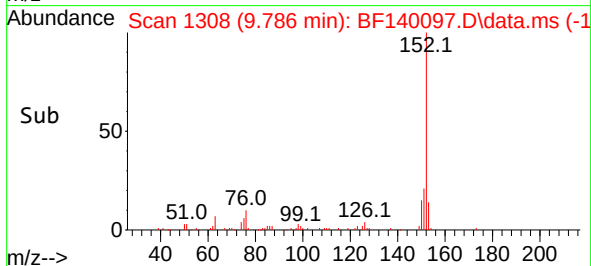
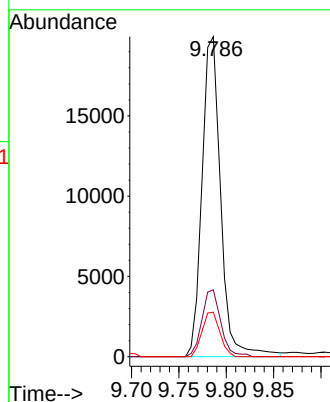
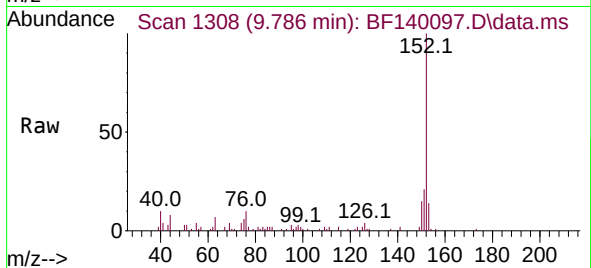
Tgt Ion:152 Resp: 27313

Ion Ratio Lower Upper

152 100

151 20.9 15.9 23.9

153 13.9 10.7 16.1



#51

2,6-Dinitrotoluene

Concen: 9.778 ng

RT: 9.922 min Scan# 1331

Delta R.T. 0.212 min

Lab File: BF140097.D

Acq: 28 Oct 2024 19:55

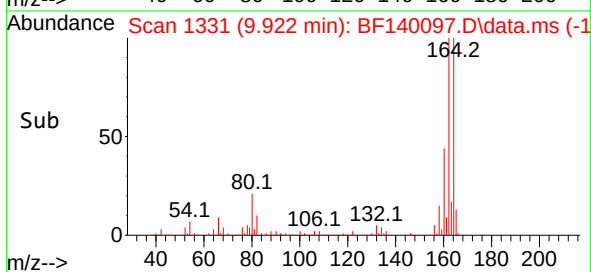
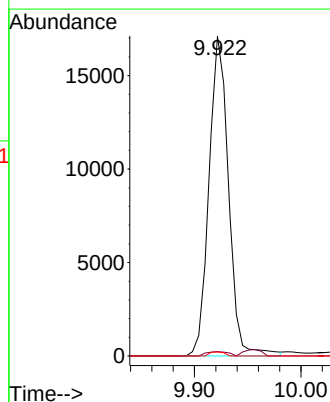
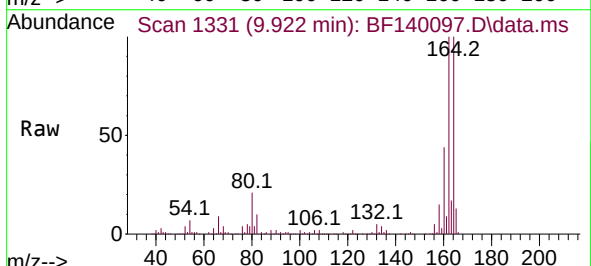
Tgt Ion:165 Resp: 21825

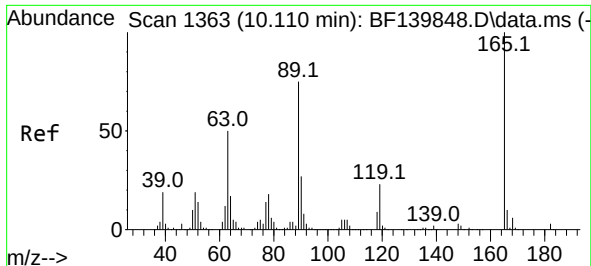
Ion Ratio Lower Upper

165 100

63 1.4 50.6 75.8#

89 1.3 47.5 71.3#

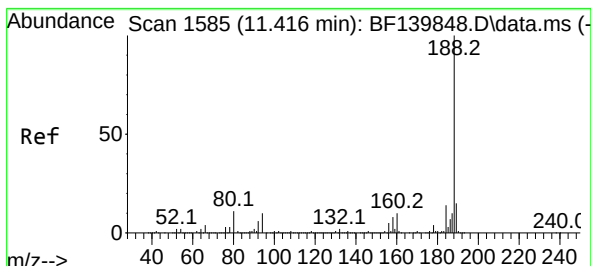
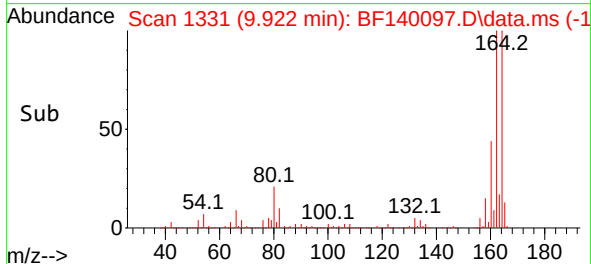
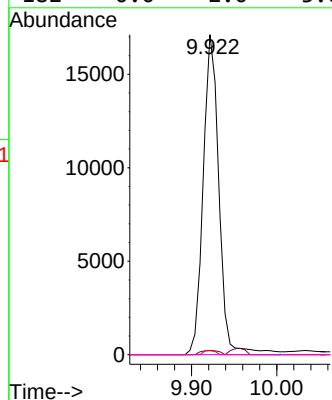
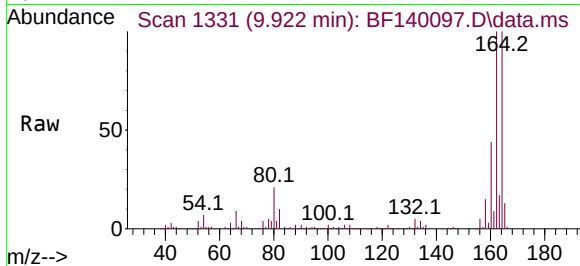




#57
2,4-Dinitrotoluene
Concen: 8.049 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

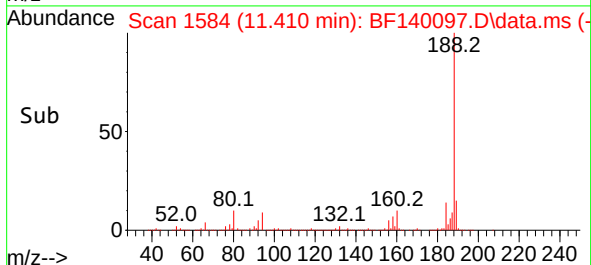
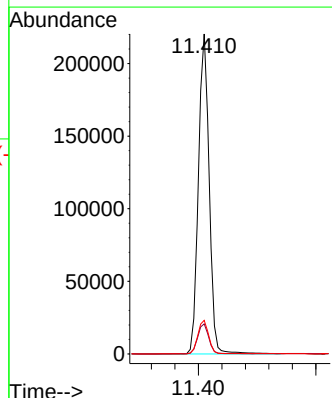
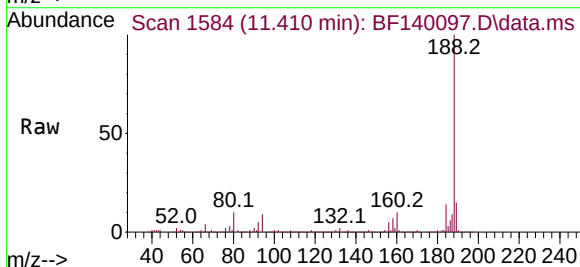
Instrument :
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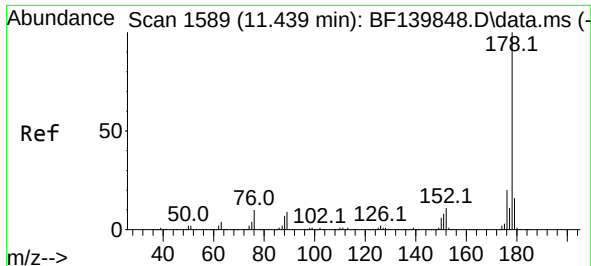
Tgt Ion:165	Resp:	22094
Ion Ratio	Lower	Upper
165	100	
63	1.4	40.1 60.1#
89	1.3	60.4 90.6#
182	0.0	2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

Tgt Ion:188	Resp:	280135
Ion Ratio	Lower	Upper
188	100	
94	9.4	7.9 11.9
80	10.5	9.0 13.4

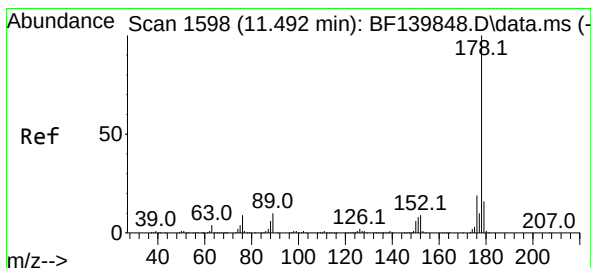
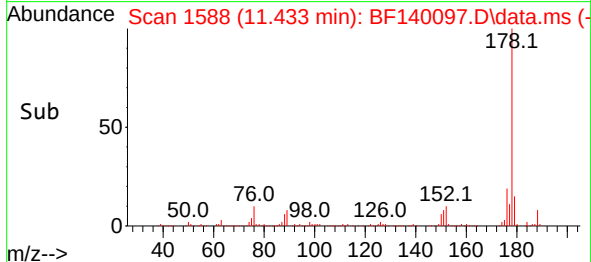
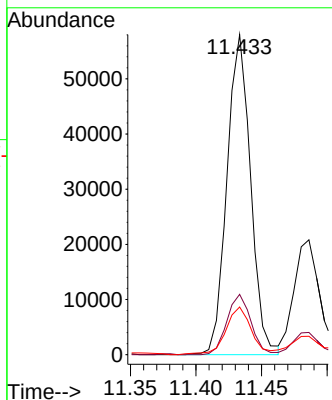
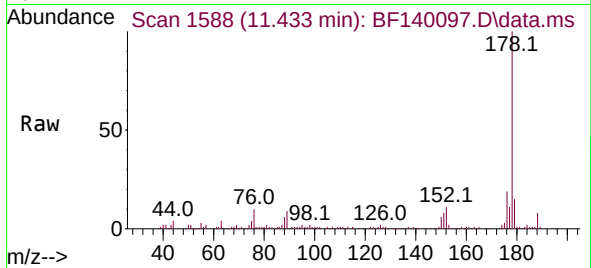




#71
Phenanthrene
Concen: 5.502 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

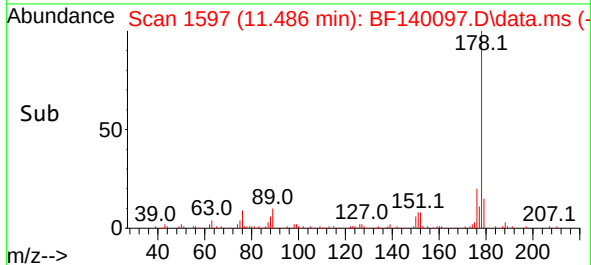
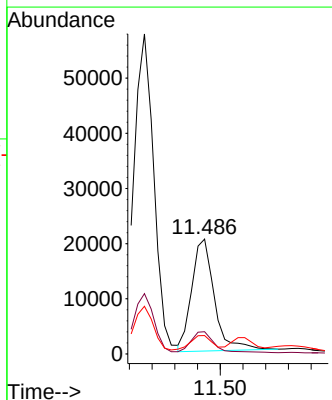
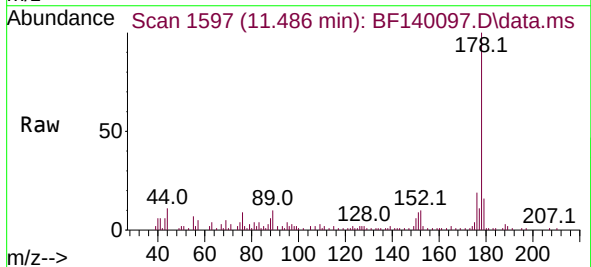
Instrument :
BNA_F
ClientSampleId :
HD-01-102524

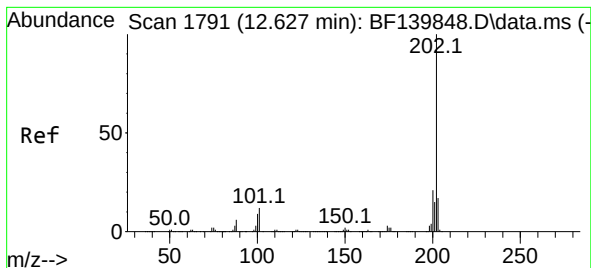
Tgt Ion:178 Resp: 72805
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 14.9 12.6 18.8



#72
Anthracene
Concen: 2.177 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

Tgt Ion:178 Resp: 28108
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 16.0 12.4 18.6

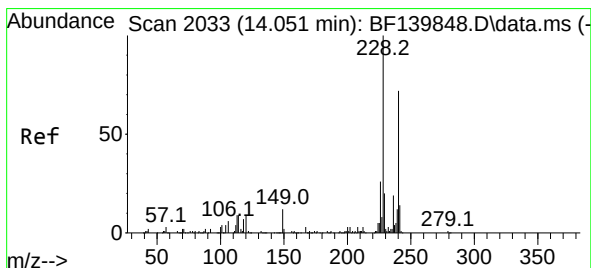
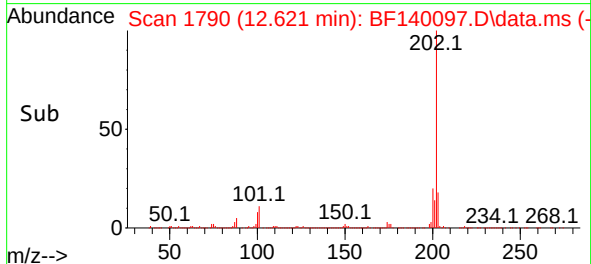
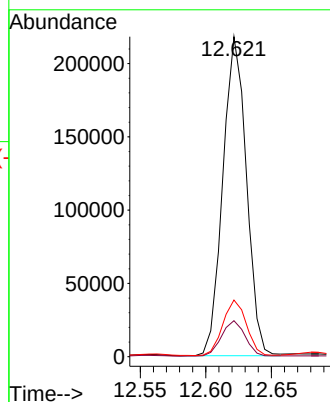
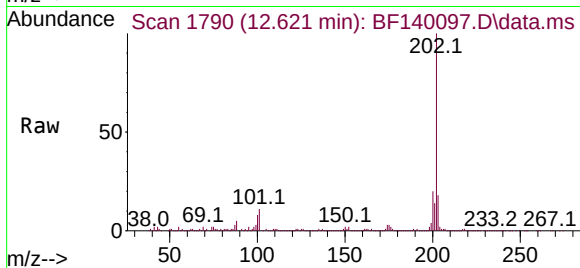




#75
Fluoranthene
Concen: 20.340 ng
RT: 12.621 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

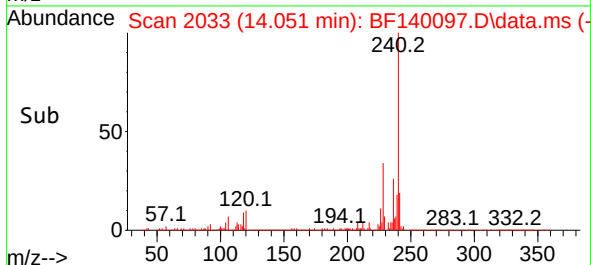
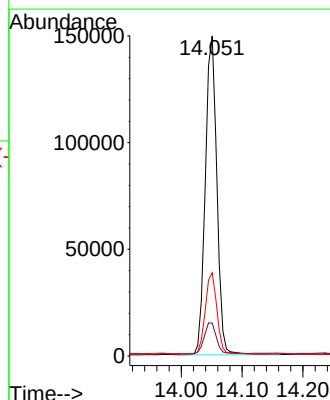
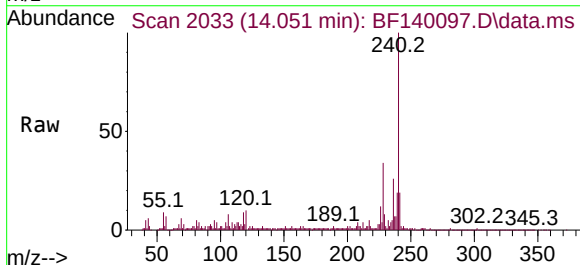
Instrument :
BNA_F
ClientSampleId :
HD-01-102524

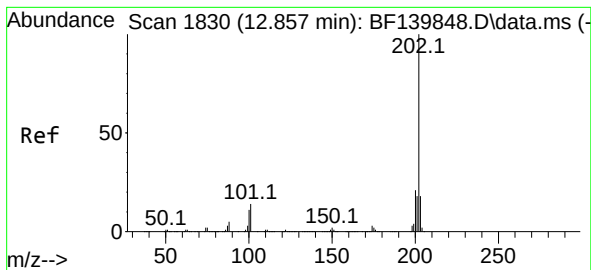
Tgt Ion:202 Resp: 272081
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.9
203 17.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

Tgt Ion:240 Resp: 196985
Ion Ratio Lower Upper
240 100
120 10.2 9.4 14.2
236 26.0 20.9 31.3





#78

Pyrene

Concen: 15.354 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF140097.D

Acq: 28 Oct 2024 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-102524

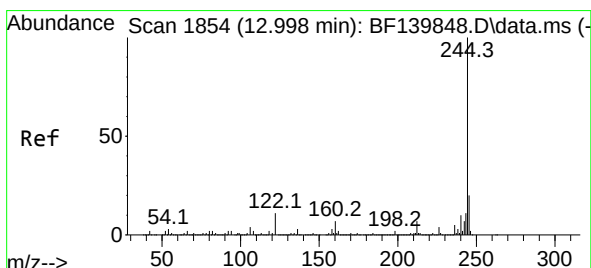
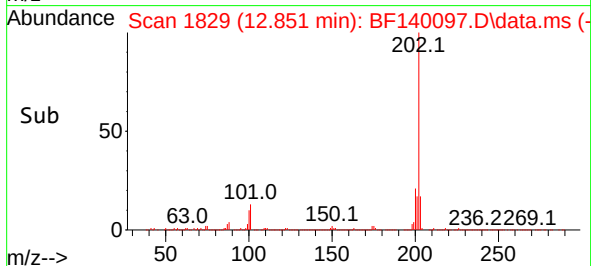
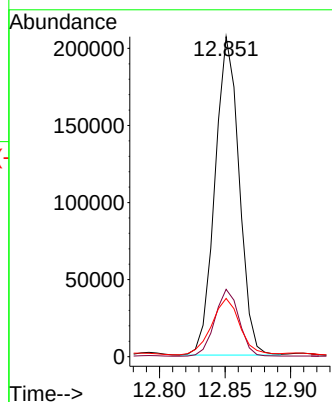
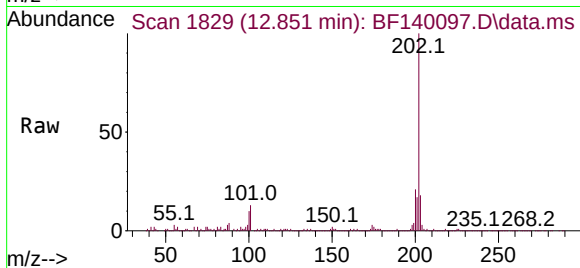
Tgt Ion:202 Resp: 264736

Ion Ratio Lower Upper

202 100

200 21.0 17.2 25.8

203 18.2 14.2 21.4



#79

Terphenyl-d14

Concen: 14.037 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF140097.D

Acq: 28 Oct 2024 19:55

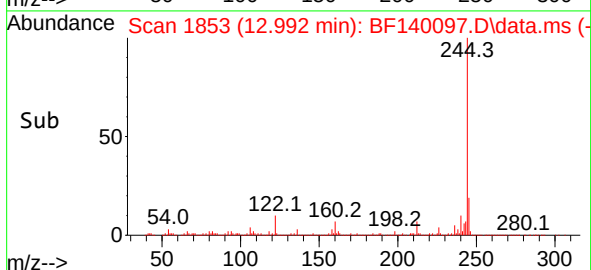
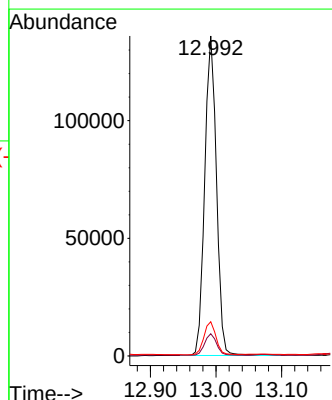
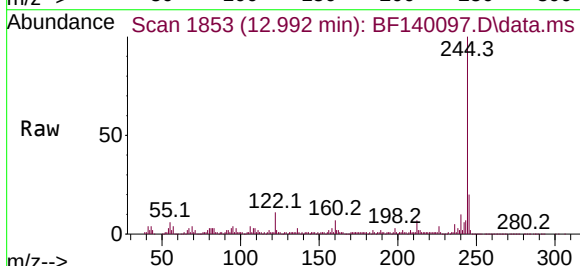
Tgt Ion:244 Resp: 169689

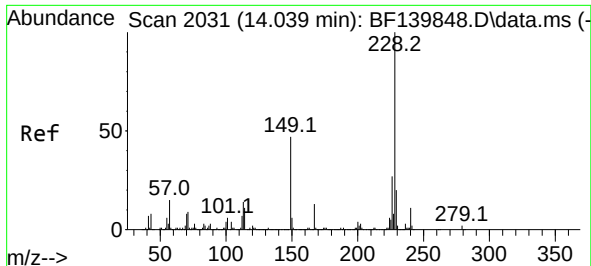
Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 10.7 8.6 13.0

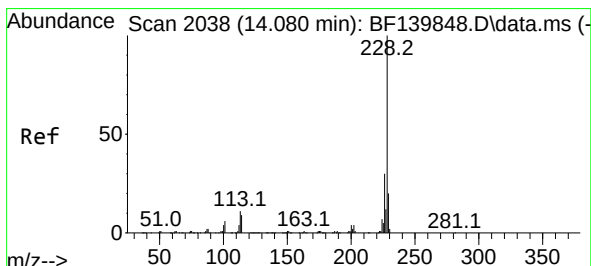
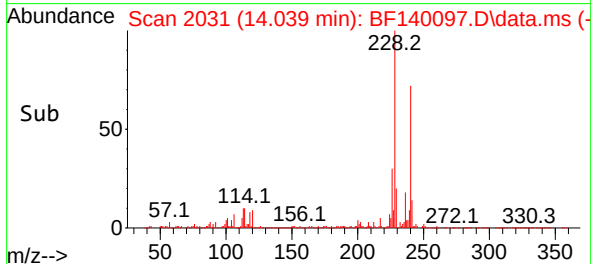
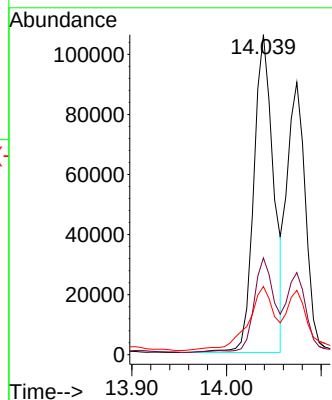
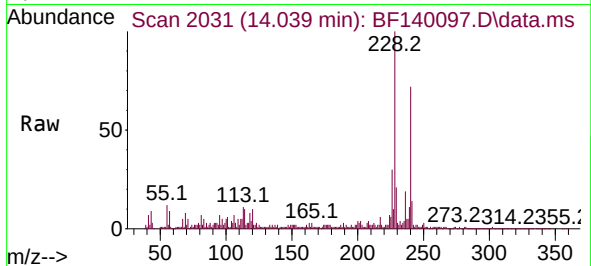




#81
Benzo(a)anthracene
Concen: 12.011 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

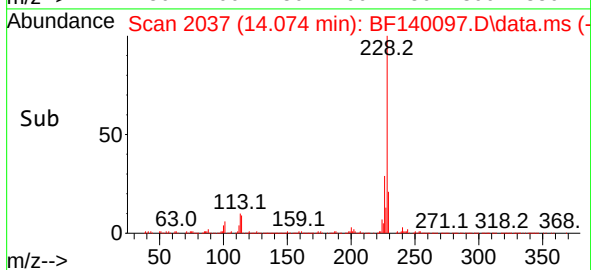
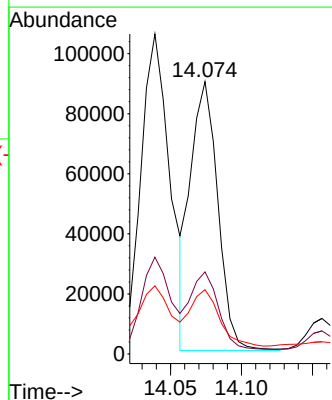
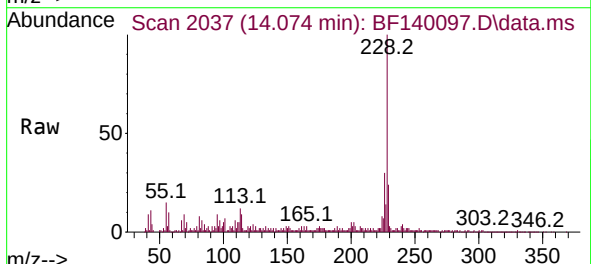
Instrument :
BNA_F
ClientSampleId :
HD-01-102524

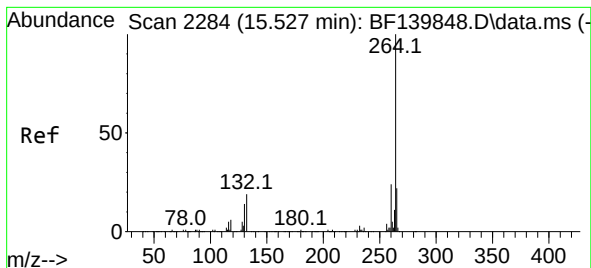
Tgt Ion:228 Resp: 154018
Ion Ratio Lower Upper
228 100
226 30.3 21.6 32.4
229 21.3 16.1 24.1



#83
Chrysene
Concen: 10.183 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

Tgt Ion:228 Resp: 119728
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 23.6 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: BF140097.D

Acq: 28 Oct 2024 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-102524

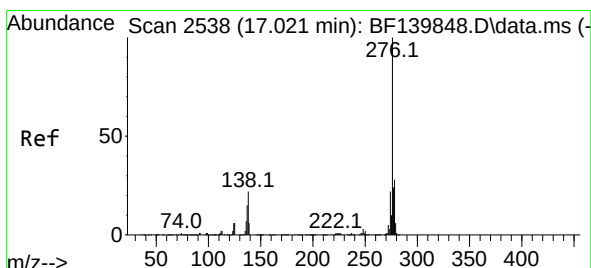
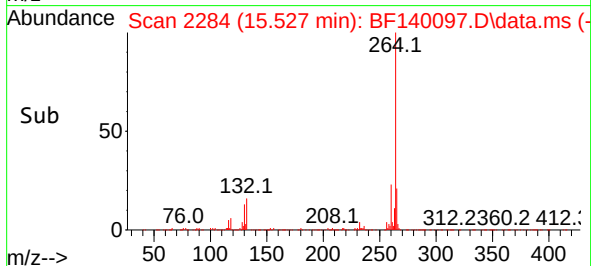
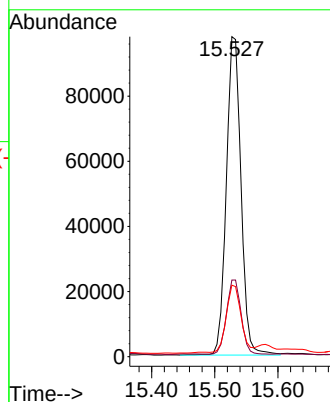
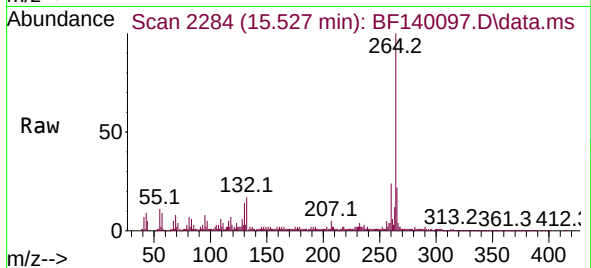
Tgt Ion:264 Resp: 157680

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

265 22.4 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.067 ng

RT: 17.021 min Scan# 2538

Delta R.T. 0.000 min

Lab File: BF140097.D

Acq: 28 Oct 2024 19:55

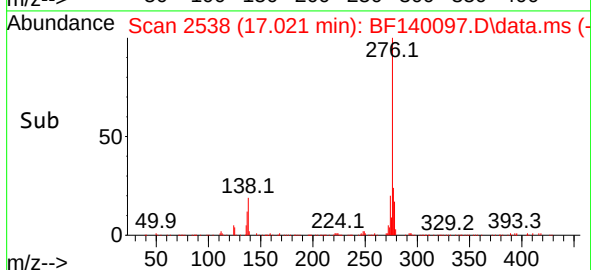
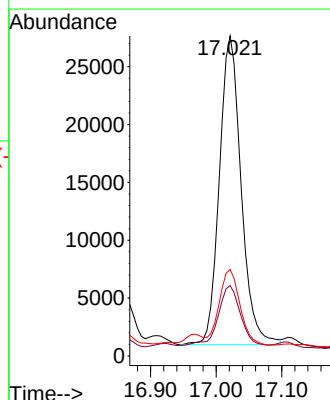
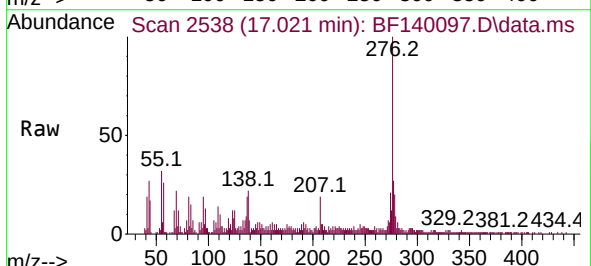
Tgt Ion:276 Resp: 61546

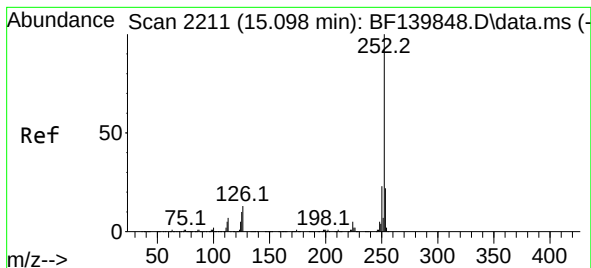
Ion Ratio Lower Upper

276 100

138 20.1 20.4 30.6#

277 23.1 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 21.211 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF140097.D

Acq: 28 Oct 2024 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-102524

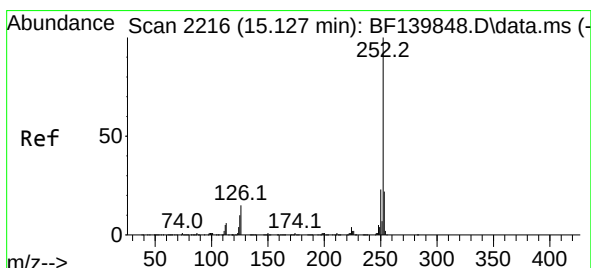
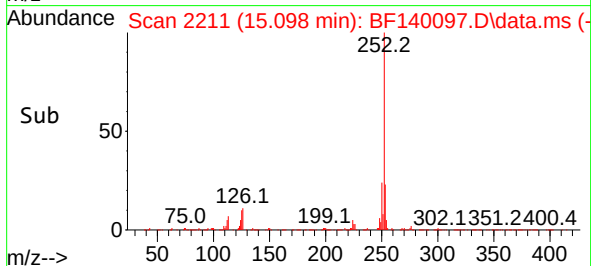
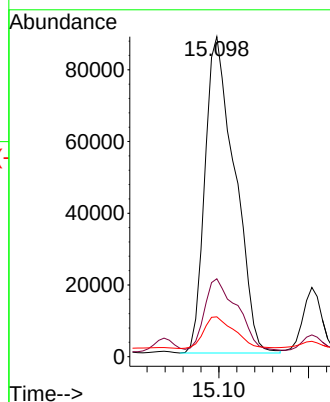
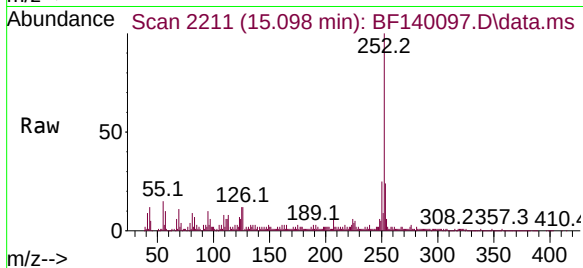
Tgt Ion:252 Resp: 203738

Ion Ratio Lower Upper

252 100

253 24.4 17.6 26.4

125 12.5 7.9 11.9#



#89

Benzo(k)fluoranthene

Concen: 24.595 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.029 min

Lab File: BF140097.D

Acq: 28 Oct 2024 19:55

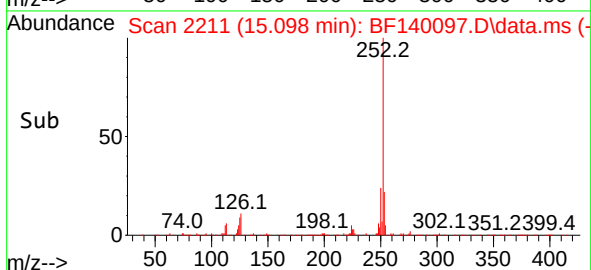
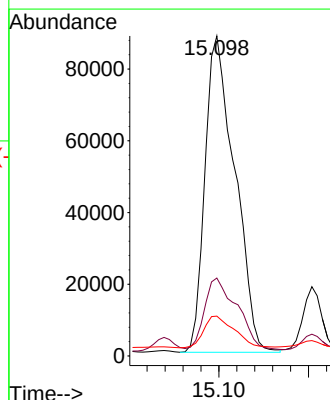
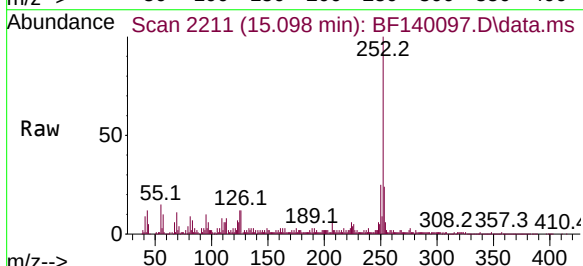
Tgt Ion:252 Resp: 203738

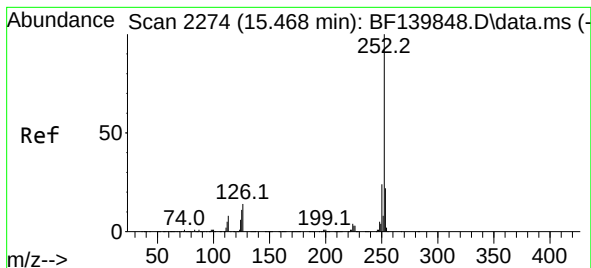
Ion Ratio Lower Upper

252 100

253 24.4 17.6 26.4

125 12.5 7.9 11.9#





#90

Benzo(a)pyrene

Concen: 13.704 ng

RT: 15.462 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140097.D

Acq: 28 Oct 2024 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-102524

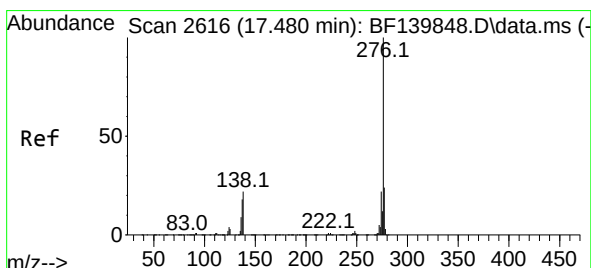
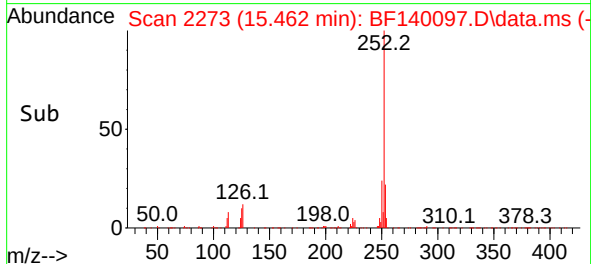
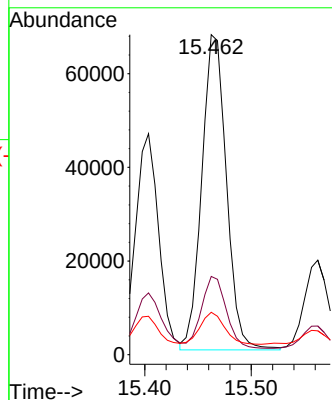
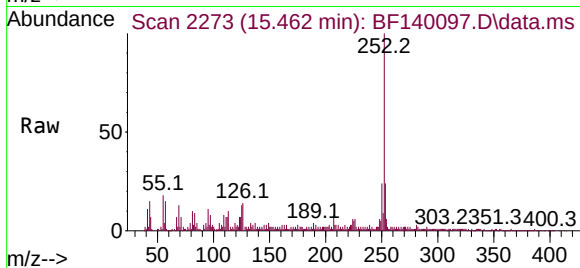
Tgt Ion:252 Resp: 108306

Ion Ratio Lower Upper

252 100

253 24.5 17.3 25.9

125 13.3 8.7 13.1#



#92

Benzo(g,h,i)perylene

Concen: 7.268 ng

RT: 17.474 min Scan# 2615

Delta R.T. -0.006 min

Lab File: BF140097.D

Acq: 28 Oct 2024 19:55

Tgt Ion:276 Resp: 61434

Ion Ratio Lower Upper

276 100

277 26.0 19.0 28.6

138 22.4 17.4 26.0

