

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
 Data File : BF140073.D
 Acq On : 26 Oct 2024 21:29
 Operator : RC/JU
 Sample : P4531-01 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-102424

Quant Time: Oct 28 01:11:15 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)

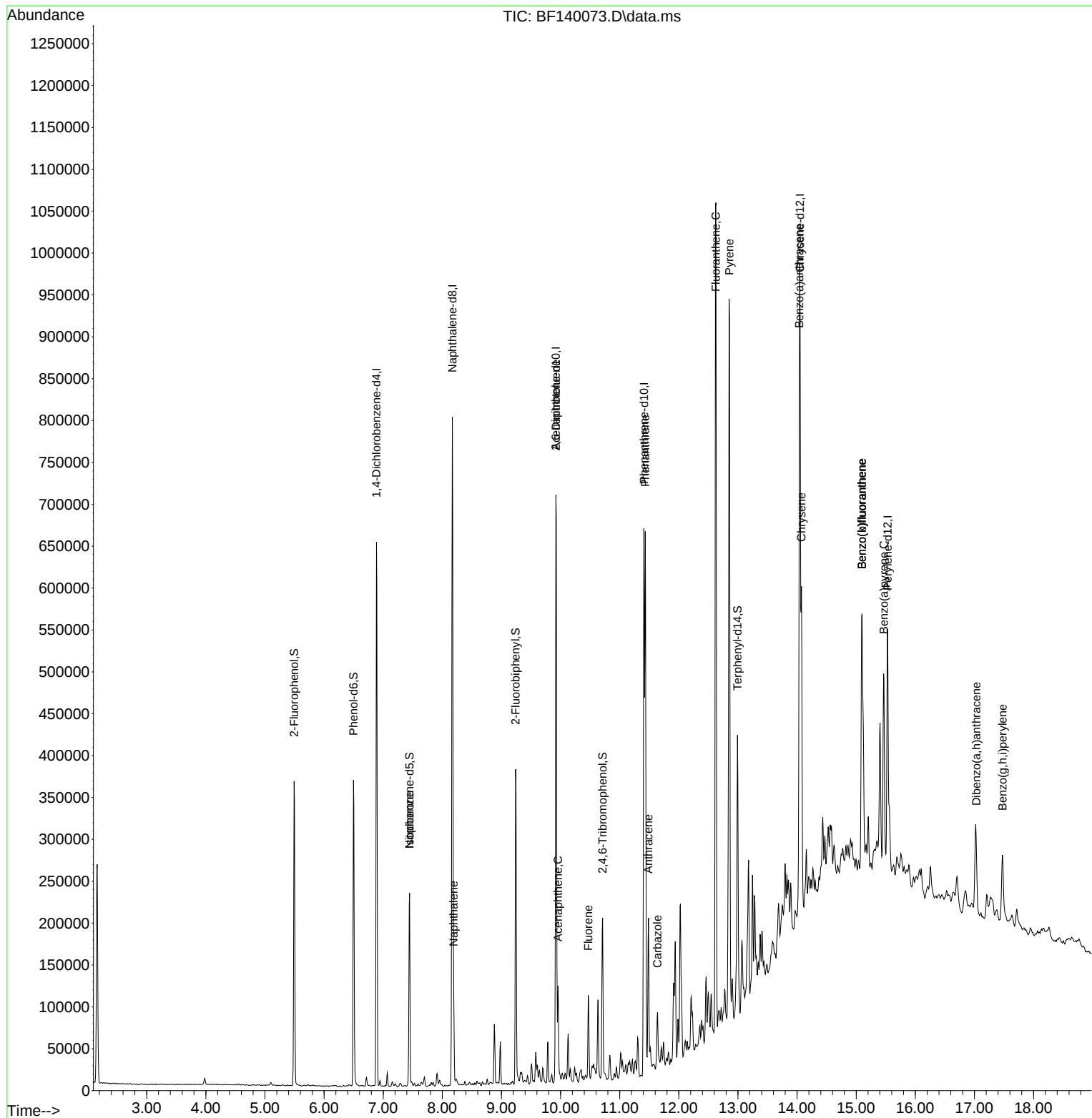
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	132962	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	469517	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	215959	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	339379	20.000	ng	0.00
76) Chrysene-d12	14.051	240	217705	20.000	ng	0.00
86) Perylene-d12	15.533	264	176277	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	131661	15.502	ng	0.00
7) Phenol-d6	6.498	99	161654	14.696	ng	-0.01
23) Nitrobenzene-d5	7.445	82	97049	11.456	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	28143	13.932	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	175705	13.446	ng	-0.01
79) Terphenyl-d14	12.992	244	153805	11.512	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.445	82	95532	5.942	ng	# 67
31) Naphthalene	8.192	128	59851	2.472	ng	99
51) 2,6-Dinitrotoluene	9.922	165	28016	9.619	ng	# 22
52) Acenaphthene	9.957	154	31396	2.772	ng	97
58) Fluorene	10.469	166	41253	3.334	ng	99
71) Phenanthrene	11.433	178	330451	20.613	ng	99
72) Anthracene	11.486	178	100908	6.451	ng	99
73) Carbazole	11.639	167	35633	2.450	ng	100
75) Fluoranthene	12.627	202	577538	35.638	ng	99
78) Pyrene	12.857	202	505383	26.520	ng	99
81) Benzo(a)anthracene	14.039	228	246099	17.365	ng	96
83) Chrysene	14.074	228	202998	15.623	ng	97
88) Benzo(b)fluoranthene	15.098	252	282976	26.353	ng	97
89) Benzo(k)fluoranthene	15.098	252	282976	30.557	ng	97
90) Benzo(a)pyrene	15.468	252	146725	16.606	ng	98
91) Dibenzo(a,h)anthracene	17.033	278	20343	2.150	ng	# 84
92) Benzo(g,h,i)perylene	17.474	276	80096	8.476	ng	99

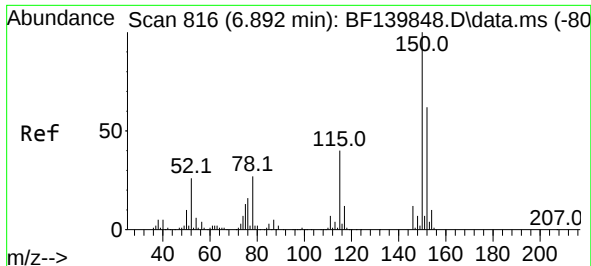
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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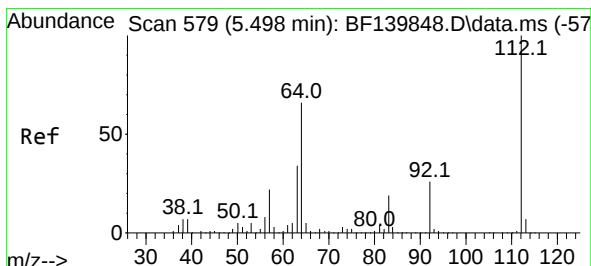
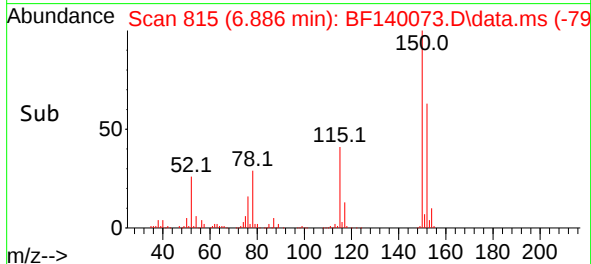
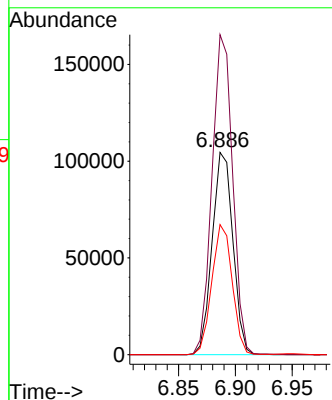
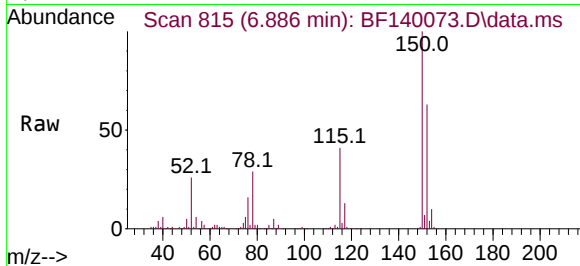




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF140073.D
Acq: 26 Oct 2024 21:29

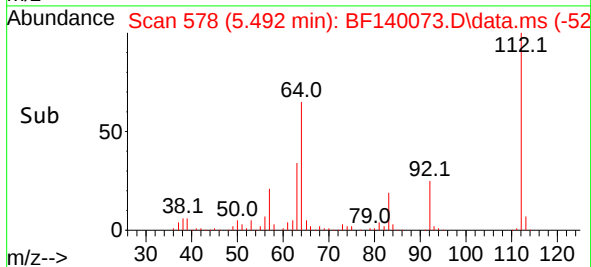
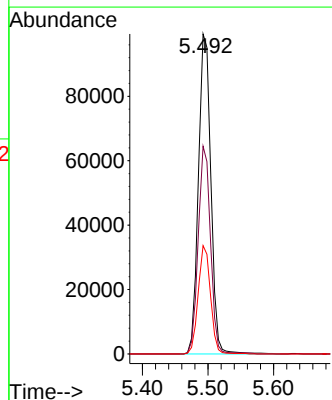
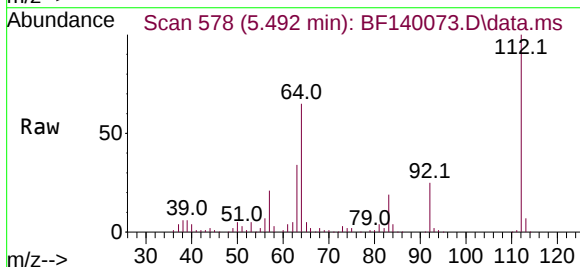
Instrument :
BNA_F
ClientSampleId :
OR-03-102424

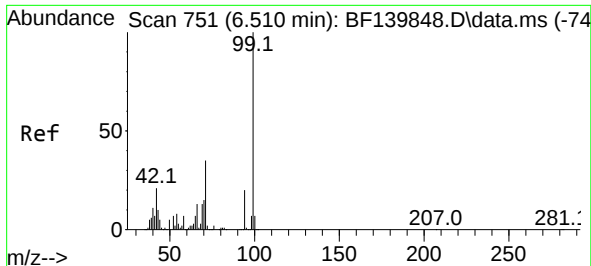
Tgt Ion:152 Resp: 132962
Ion Ratio Lower Upper
152 100
150 158.2 130.2 195.2
115 64.3 51.4 77.2



#5
2-Fluorophenol
Concen: 15.502 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140073.D
Acq: 26 Oct 2024 21:29

Tgt Ion:112 Resp: 131661
Ion Ratio Lower Upper
112 100
64 64.9 53.0 79.6
63 33.8 27.0 40.4

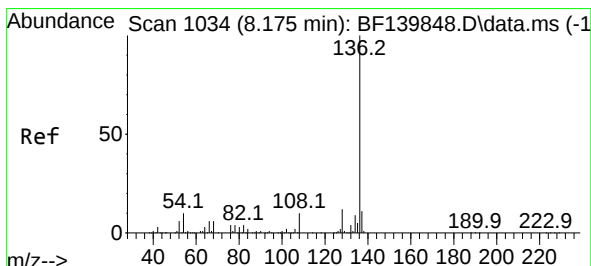
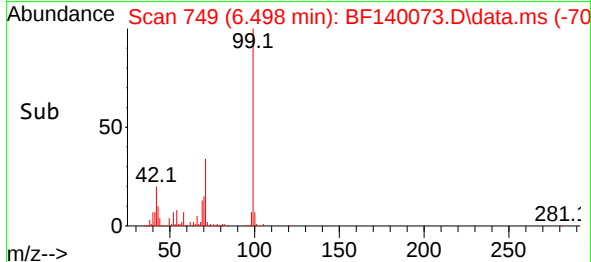
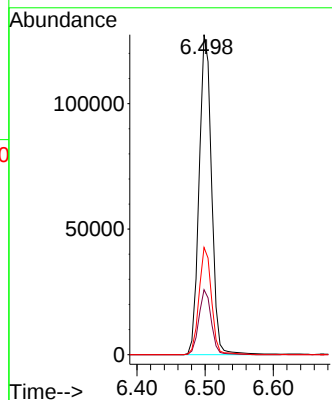
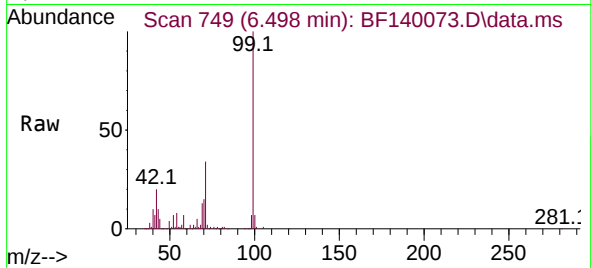




#7
Phenol-d6
Concen: 14.696 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF140073.D
Acq: 26 Oct 2024 21:29

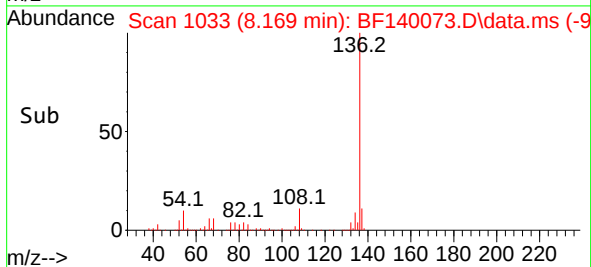
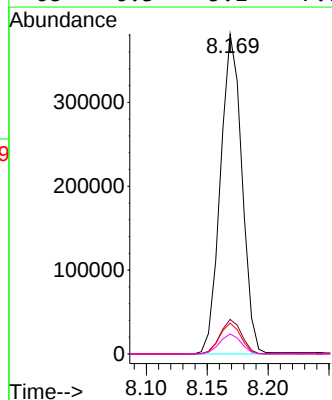
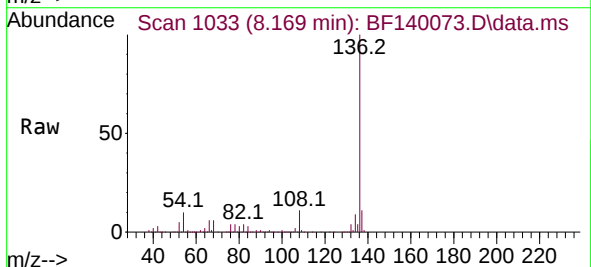
Instrument :
BNA_F
ClientSampleId :
OR-03-102424

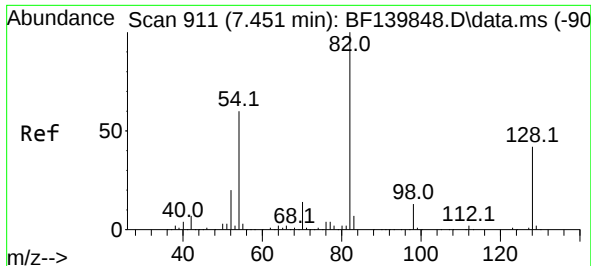
Tgt Ion: 99 Resp: 161654
Ion Ratio Lower Upper
99 100
42 20.3 16.7 25.1
71 33.5 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF140073.D
Acq: 26 Oct 2024 21:29

Tgt Ion: 136 Resp: 469517
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 9.6 8.4 12.6
68 6.3 5.1 7.7

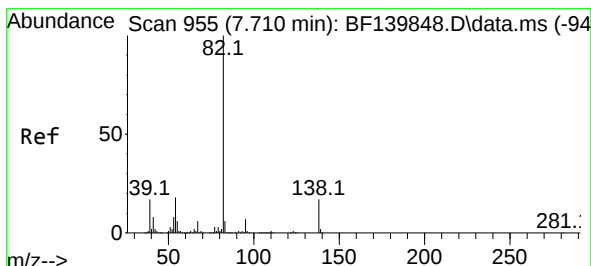
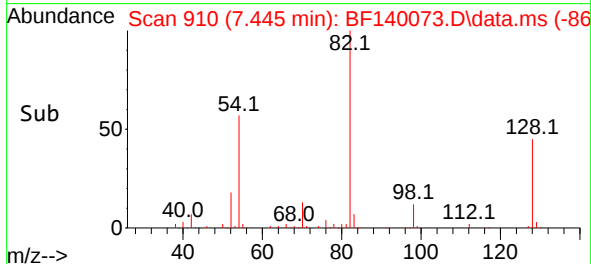
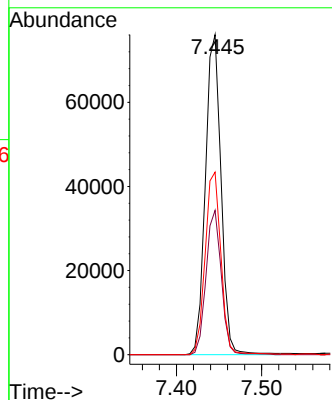
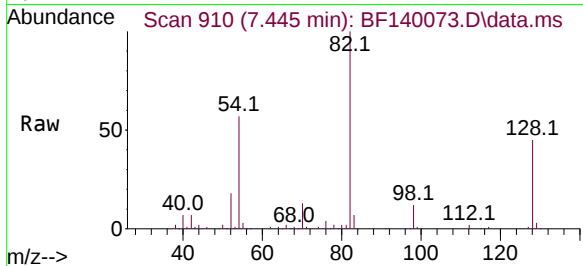




#23
Nitrobenzene-d5
Concen: 11.456 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140073.D
Acq: 26 Oct 2024 21:29

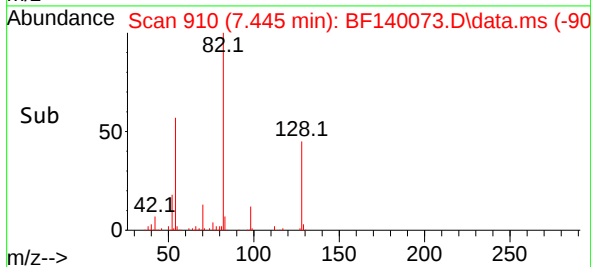
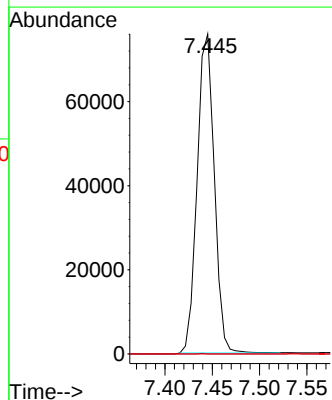
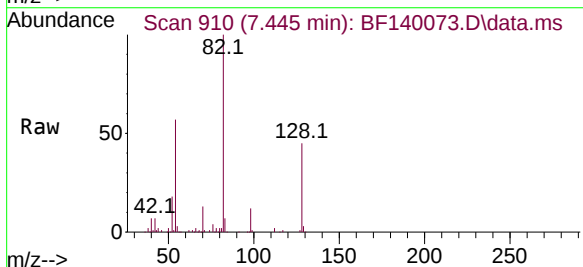
Instrument :
BNA_F
ClientSampleId :
OR-03-102424

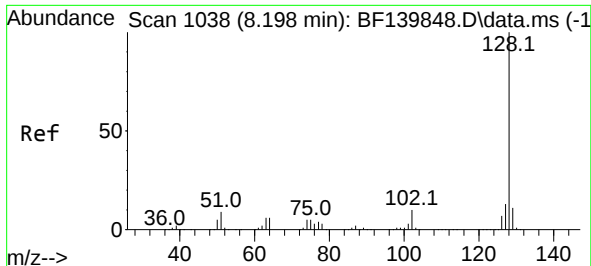
Tgt Ion: 82 Resp: 97049
Ion Ratio Lower Upper
82 100
128 45.1 33.4 50.0
54 57.0 47.8 71.8



#25
Isophorone
Concen: 5.942 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF140073.D
Acq: 26 Oct 2024 21:29

Tgt Ion: 82 Resp: 95532
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#

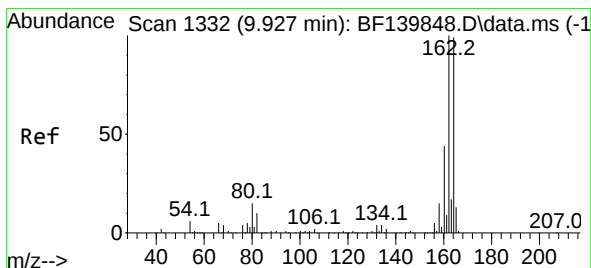
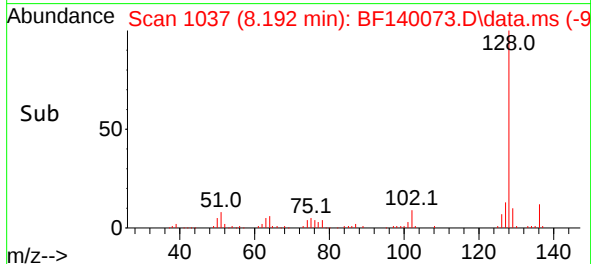
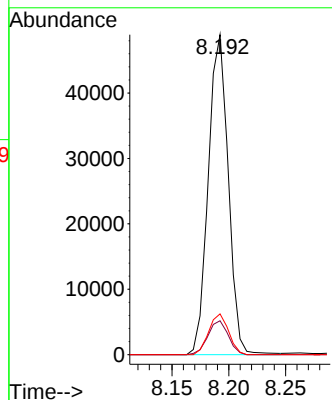
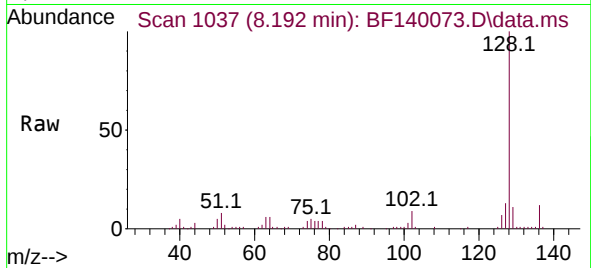




#31
Naphthalene
Concen: 2.472 ng
RT: 8.192 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140073.D
Acq: 26 Oct 2024 21:29

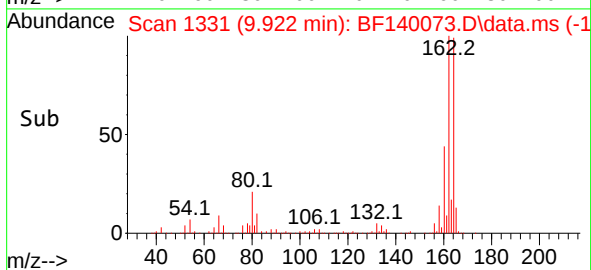
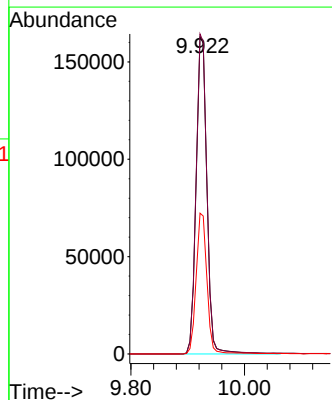
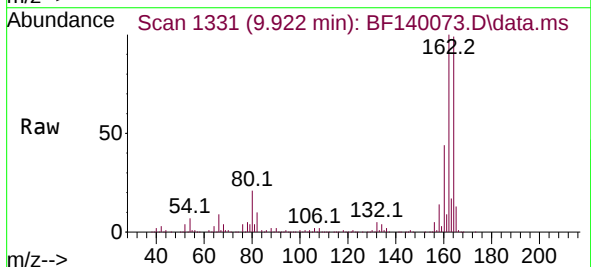
Instrument :
BNA_F
ClientSampleId :
OR-03-102424

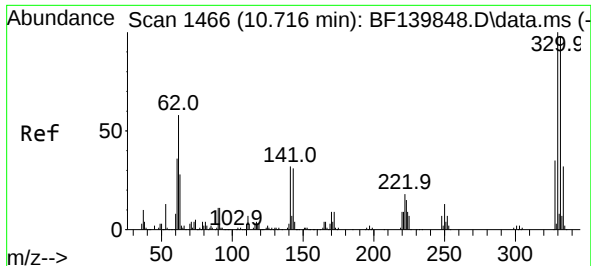
Tgt Ion:128 Resp: 59851
Ion Ratio Lower Upper
128 100
129 10.6 8.9 13.3
127 12.8 10.6 16.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140073.D
Acq: 26 Oct 2024 21:29

Tgt Ion:164 Resp: 215959
Ion Ratio Lower Upper
164 100
162 100.9 81.0 121.4
160 44.4 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 13.932 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF140073.D

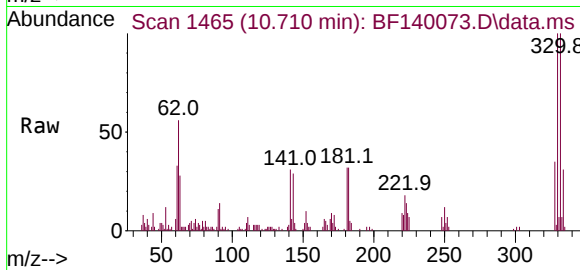
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Instrument :

BNA_F

ClientSampleId :

OR-03-102424



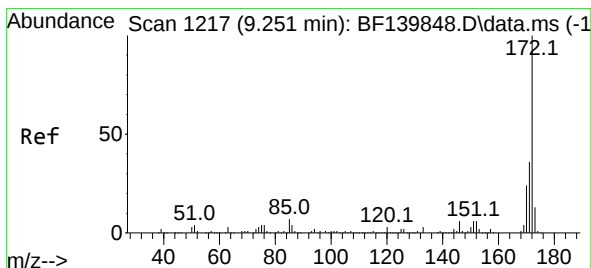
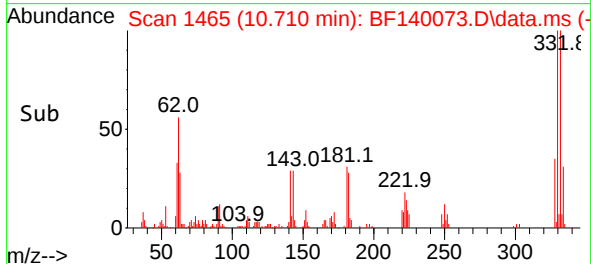
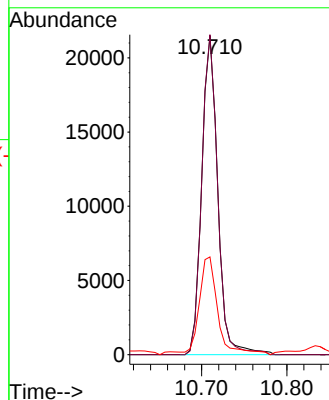
Tgt Ion:330 Resp: 28143

Ion Ratio Lower Upper

330 100

332 99.1 78.1 117.1

141 35.1 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 13.446 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.012 min

Lab File: BF140073.D

Acq: 26 Oct 2024 21:29

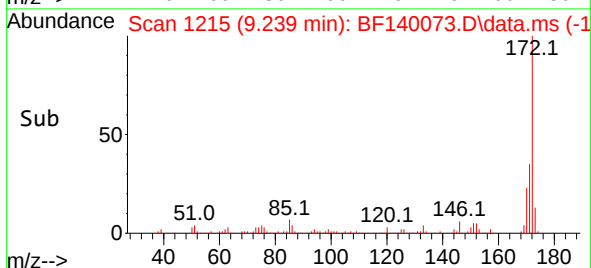
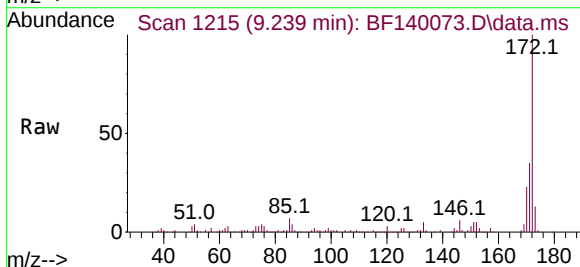
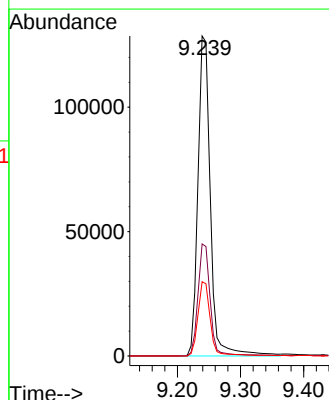
Tgt Ion:172 Resp: 175705

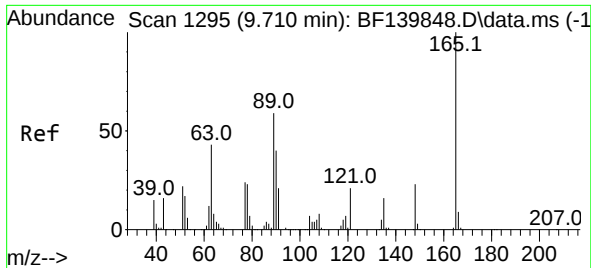
Ion Ratio Lower Upper

172 100

171 35.0 28.6 43.0

170 23.2 19.1 28.7

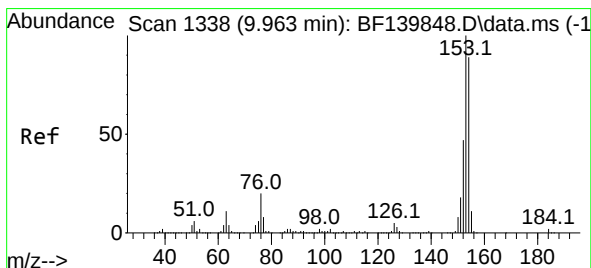
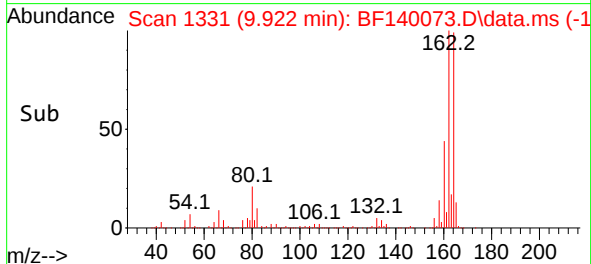
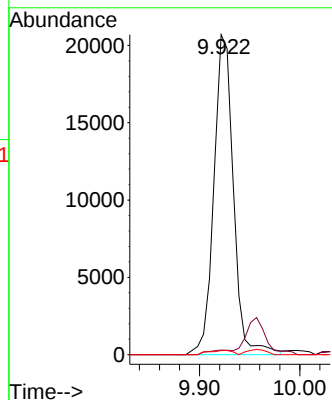
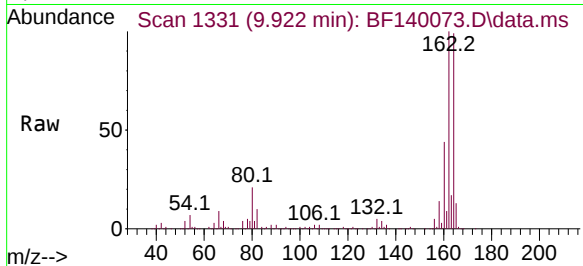




#51
2,6-Dinitrotoluene
Concen: 9.619 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF140073.D
Acq: 26 Oct 2024 21:29

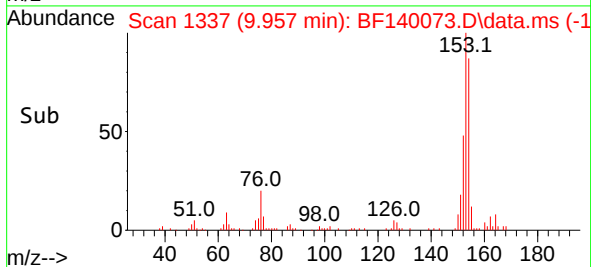
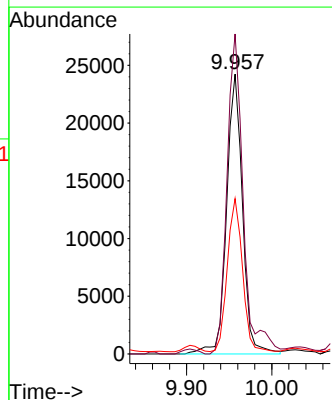
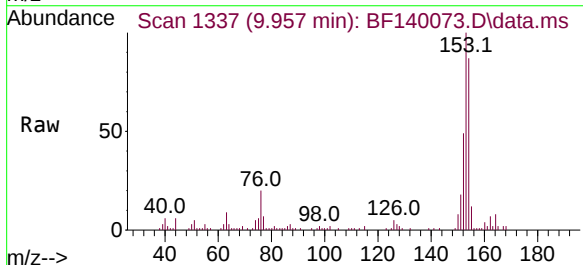
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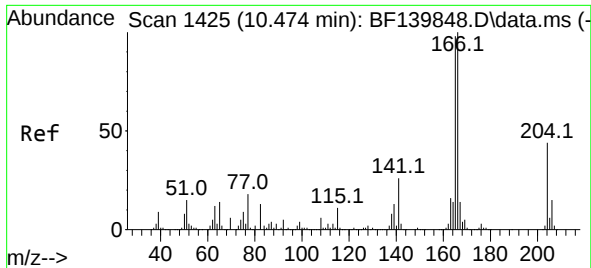
Tgt Ion:165 Resp: 28016
Ion Ratio Lower Upper
165 100
63 1.5 50.6 75.8#
89 1.3 47.5 71.3#



#52
Acenaphthene
Concen: 2.772 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF140073.D
Acq: 26 Oct 2024 21:29

Tgt Ion:154 Resp: 31396
Ion Ratio Lower Upper
154 100
153 114.4 89.8 134.6
152 55.5 42.4 63.6

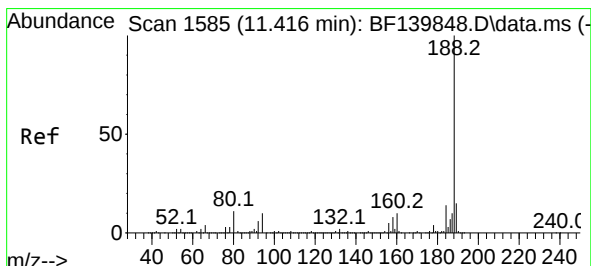
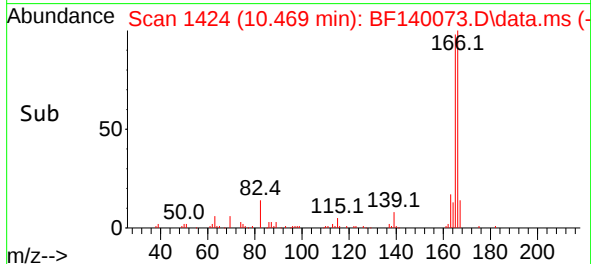
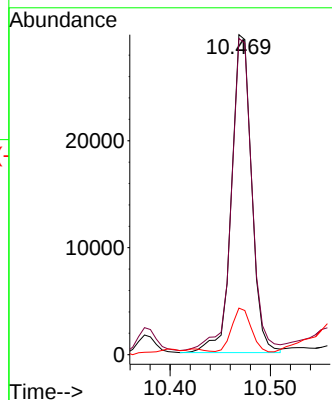
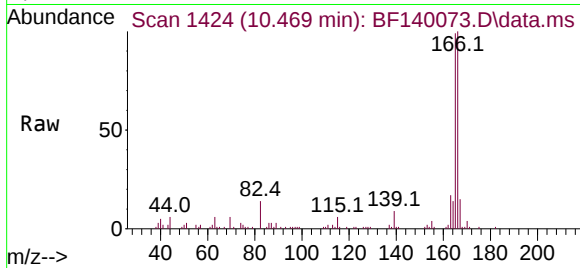




#58
Fluorene
Concen: 3.334 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF140073.D
Acq: 26 Oct 2024 21:29

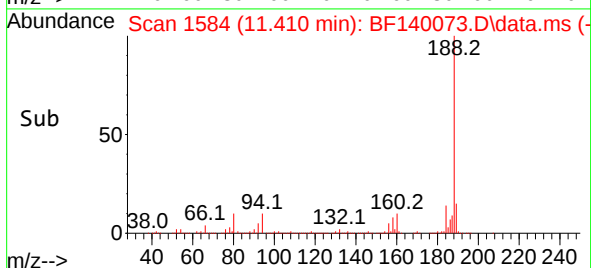
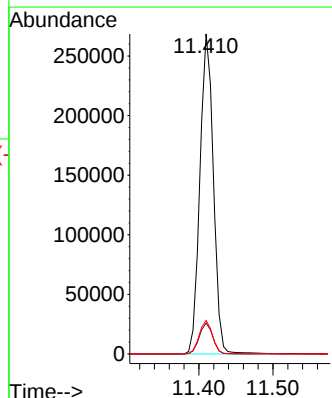
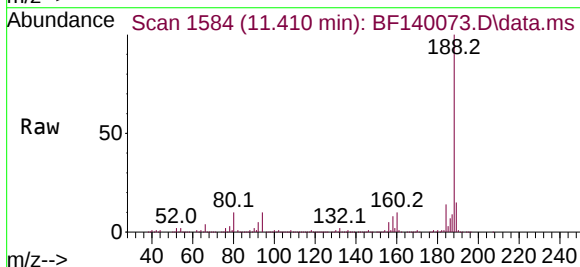
Instrument :
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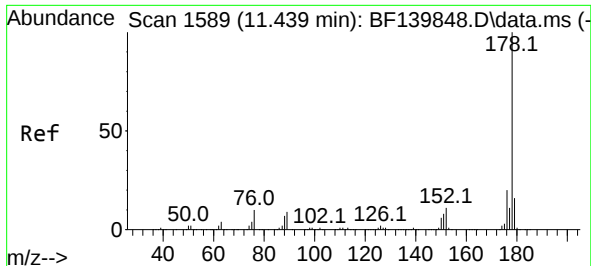
Tgt Ion:166 Resp: 41253
Ion Ratio Lower Upper
166 100
165 98.8 78.5 117.7
167 14.5 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF140073.D
Acq: 26 Oct 2024 21:29

Tgt Ion:188 Resp: 339379
Ion Ratio Lower Upper
188 100
94 9.7 7.9 11.9
80 10.4 9.0 13.4

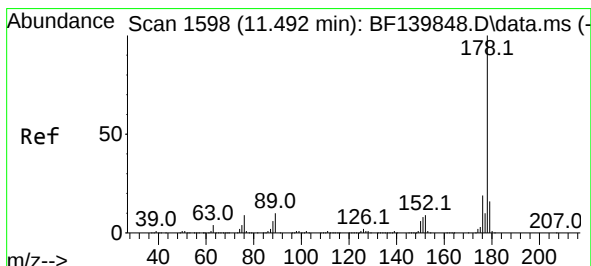
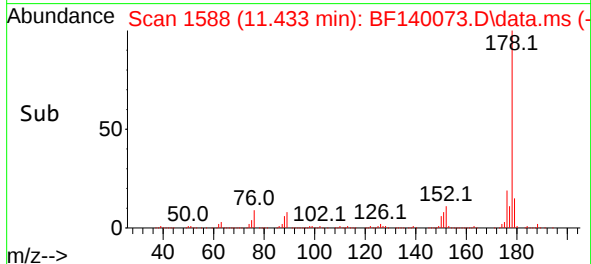
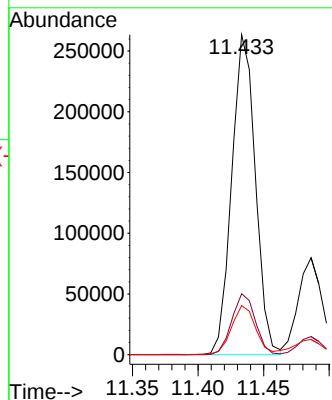
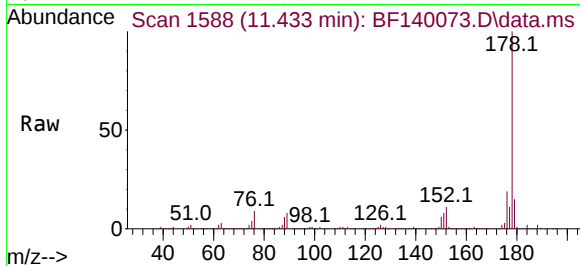




#71
Phenanthrene
Concen: 20.613 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF140073.D
Acq: 26 Oct 2024 21:29

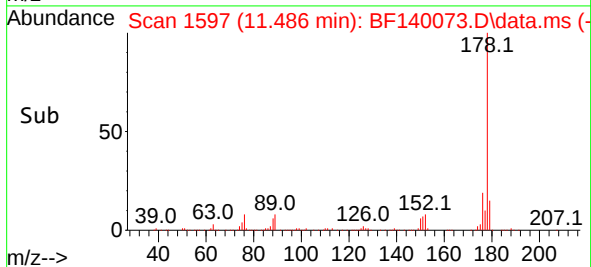
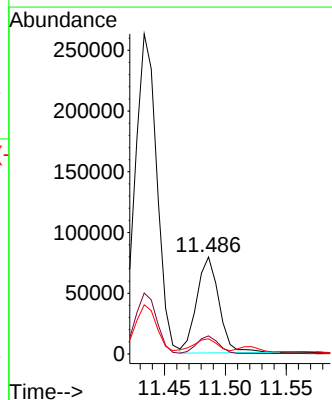
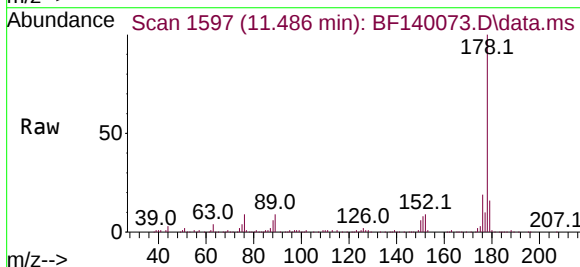
Instrument :
BNA_F
ClientSampleId :
OR-03-102424

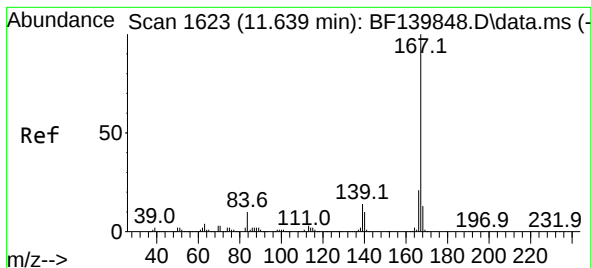
Tgt Ion:178 Resp: 330451
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.6
179 15.4 12.6 18.8



#72
Anthracene
Concen: 6.451 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF140073.D
Acq: 26 Oct 2024 21:29

Tgt Ion:178 Resp: 100908
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.7 12.4 18.6





#73

Carbazole

Concen: 2.450 ng

RT: 11.639 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140073.D

Acq: 26 Oct 2024 21:29

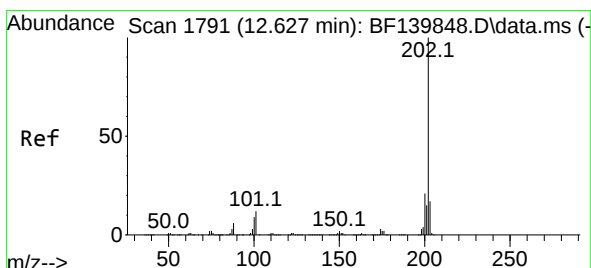
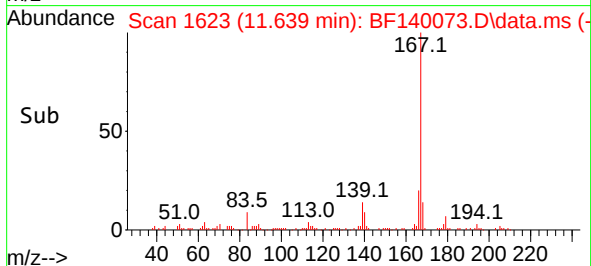
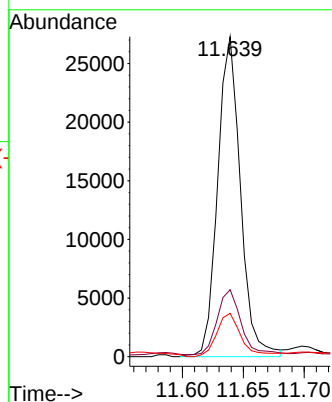
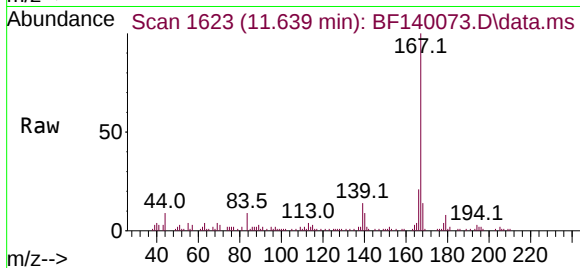
Instrument :

BNA_F

ClientSampleId :

OR-03-102424

Tgt Ion:167	Resp:	35633
Ion Ratio	Lower	Upper
167	100	
166	21.0	17.0 25.6
139	13.5	10.8 16.2



#75

Fluoranthene

Concen: 35.638 ng

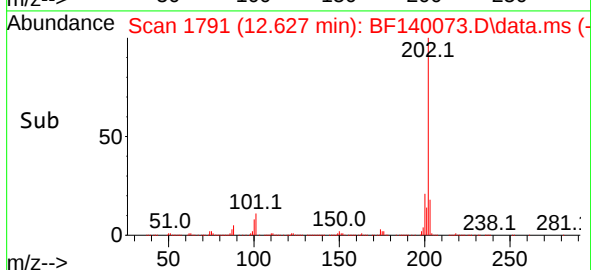
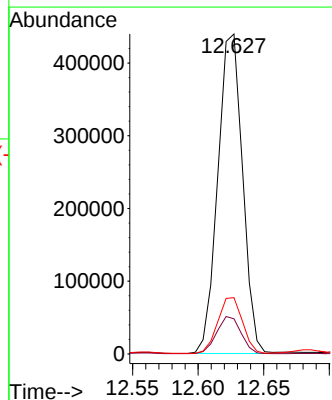
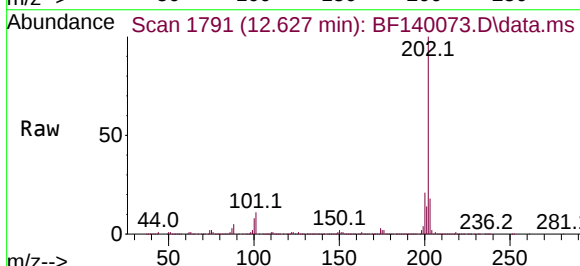
RT: 12.627 min Scan# 1791

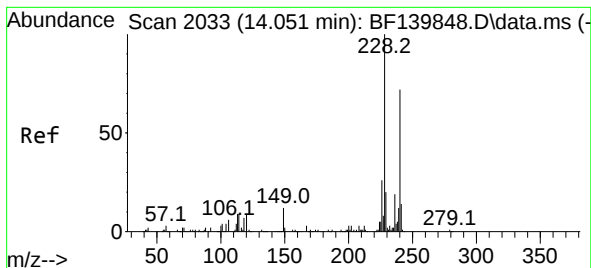
Delta R.T. -0.000 min

Lab File: BF140073.D

Acq: 26 Oct 2024 21:29

Tgt Ion:202	Resp:	577538
Ion Ratio	Lower	Upper
202	100	
101	11.0	0.0 31.9
203	17.6	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: BF140073.D

Acq: 26 Oct 2024 21:29

Instrument :

BNA_F

ClientSampleId :

OR-03-102424

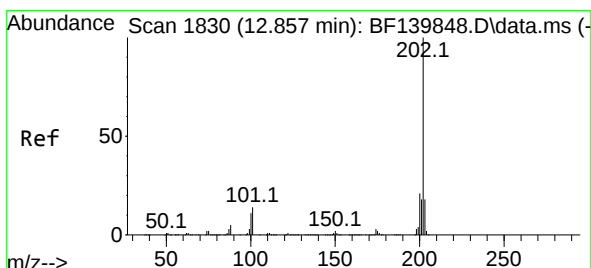
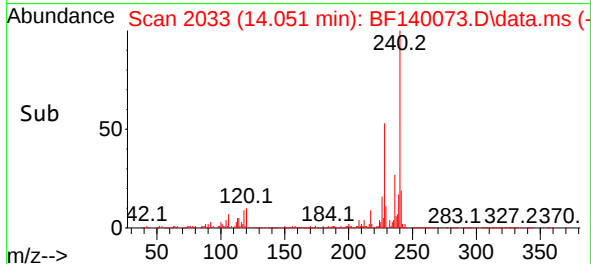
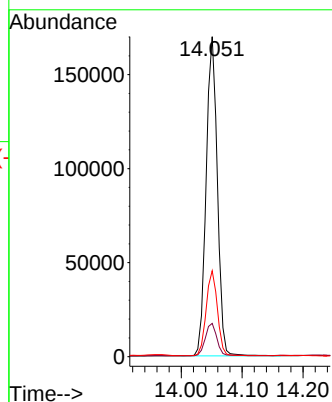
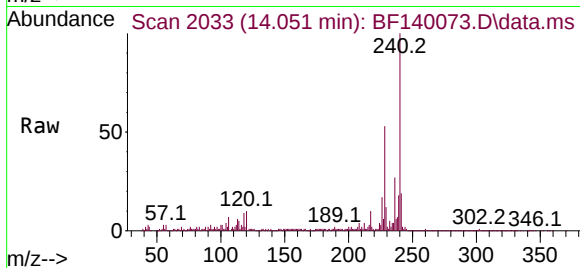
Tgt Ion:240 Resp: 217705

Ion Ratio Lower Upper

240 100

120 10.4 9.4 14.2

236 26.8 20.9 31.3



#78

Pyrene

Concen: 26.520 ng

RT: 12.857 min Scan# 1830

Delta R.T. -0.000 min

Lab File: BF140073.D

Acq: 26 Oct 2024 21:29

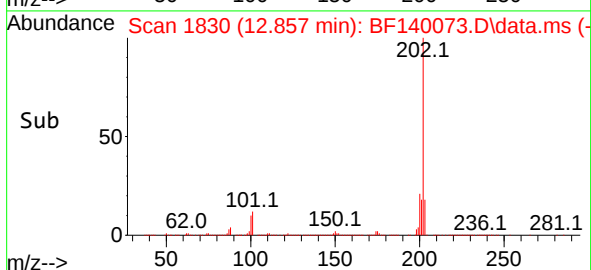
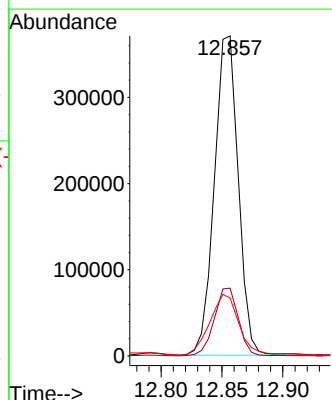
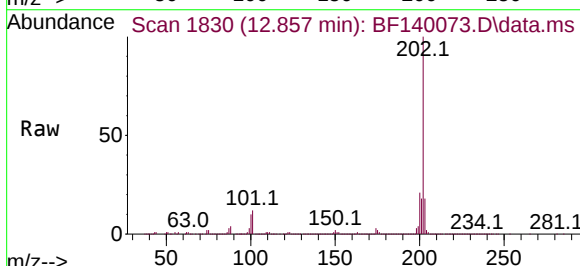
Tgt Ion:202 Resp: 505383

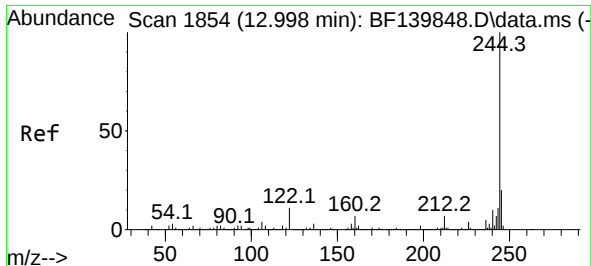
Ion Ratio Lower Upper

202 100

200 21.2 17.2 25.8

203 18.1 14.2 21.4

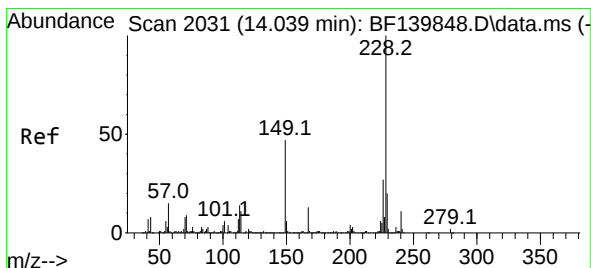
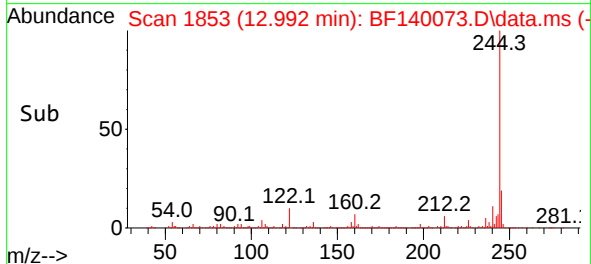
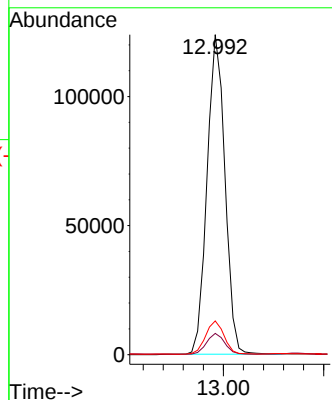
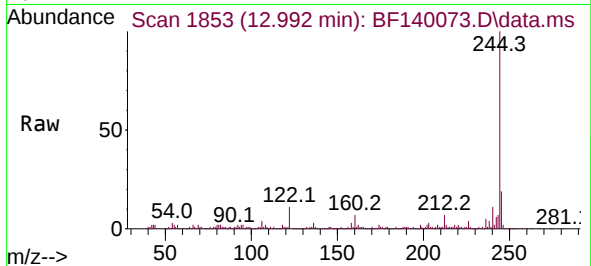




#79
 Terphenyl-d14
 Concen: 11.512 ng
 RT: 12.992 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: BF140073.D
 Acq: 26 Oct 2024 21:29

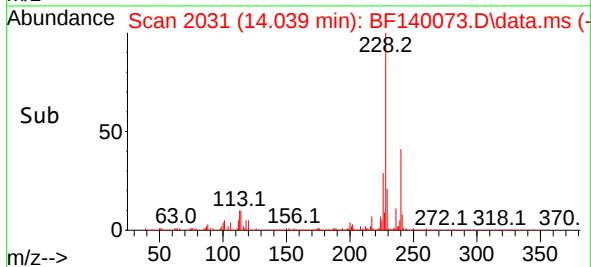
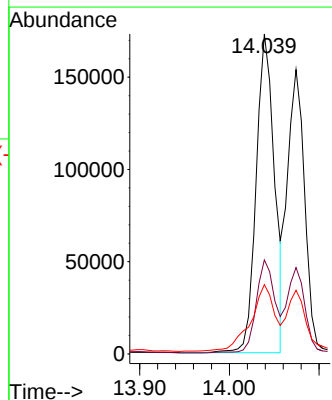
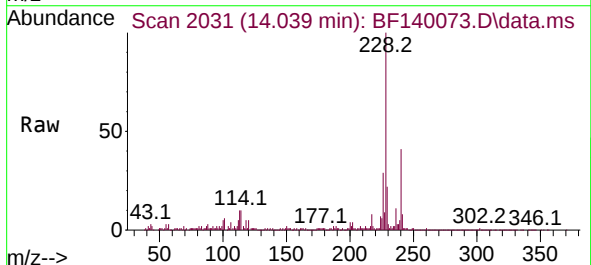
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-102424

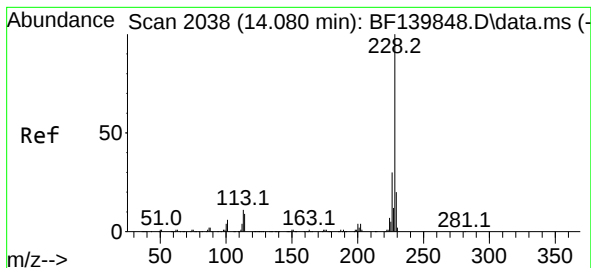
Tgt Ion:244 Resp: 153805
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.7 8.5
 122 10.6 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 17.365 ng
 RT: 14.039 min Scan# 2031
 Delta R.T. -0.000 min
 Lab File: BF140073.D
 Acq: 26 Oct 2024 21:29

Tgt Ion:228 Resp: 246099
 Ion Ratio Lower Upper
 228 100
 226 29.4 21.6 32.4
 229 21.6 16.1 24.1





#83

Chrysene

Concen: 15.623 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF140073.D

Acq: 26 Oct 2024 21:29

Instrument :

BNA_F

ClientSampleId :

OR-03-102424

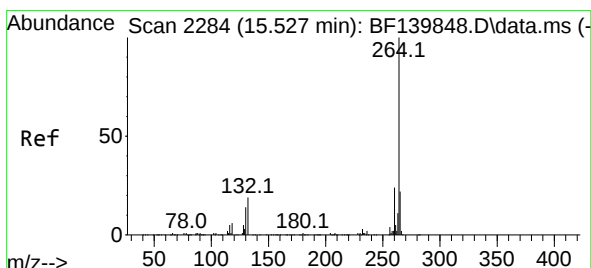
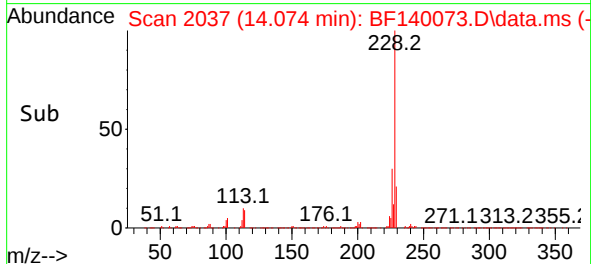
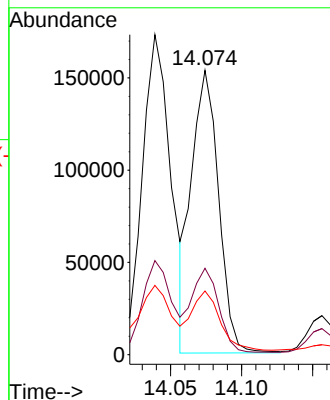
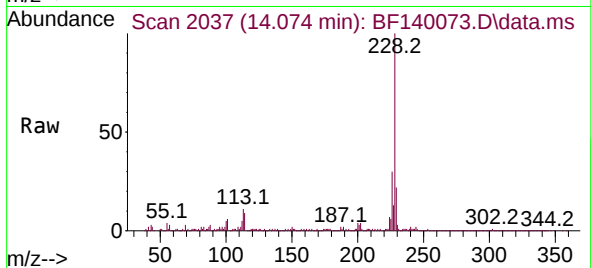
Tgt Ion:228 Resp: 202998

Ion Ratio Lower Upper

228 100

226 30.4 24.1 36.1

229 22.4 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2285

Delta R.T. 0.006 min

Lab File: BF140073.D

Acq: 26 Oct 2024 21:29

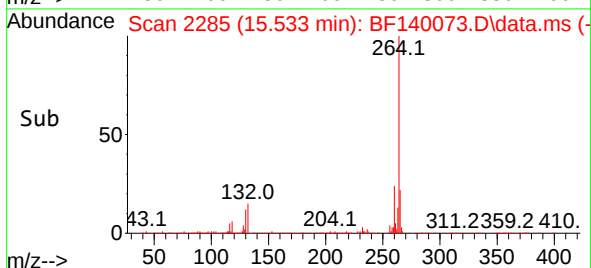
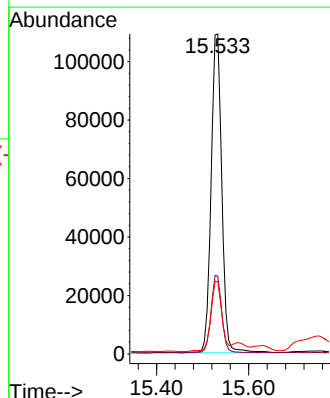
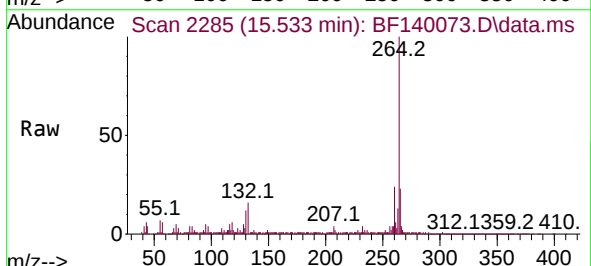
Tgt Ion:264 Resp: 176277

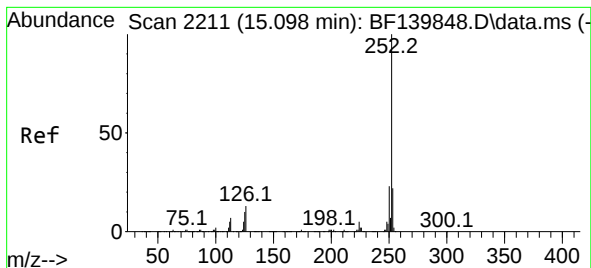
Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.2

265 22.6 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 26.353 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.000 min

Lab File: BF140073.D

Acq: 26 Oct 2024 21:29

Instrument :

BNA_F

ClientSampleId :

OR-03-102424

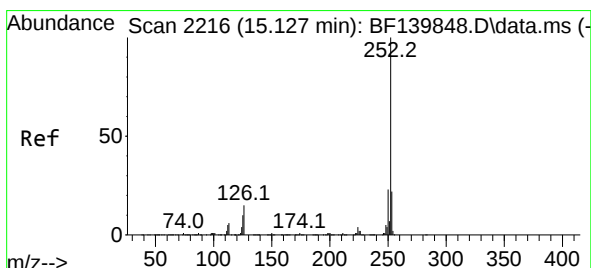
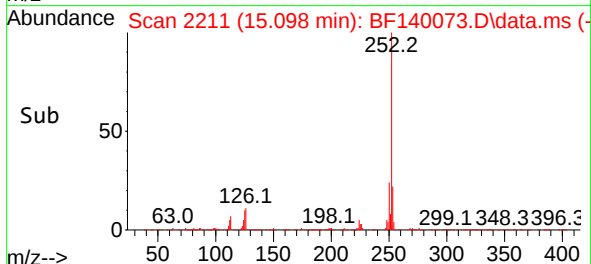
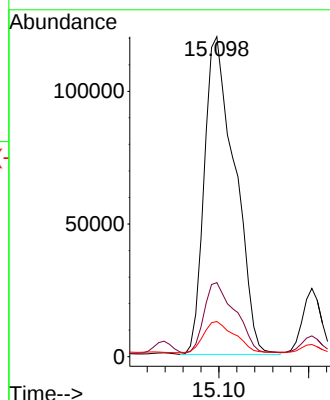
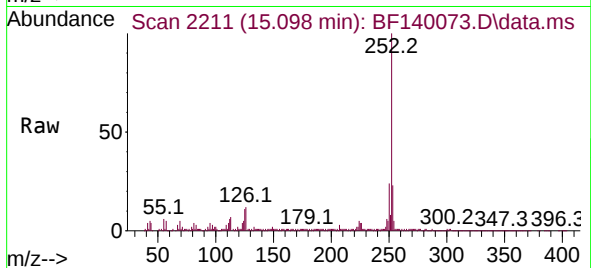
Tgt Ion:252 Resp: 282976

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 11.0 7.9 11.9



#89

Benzo(k)fluoranthene

Concen: 30.557 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.029 min

Lab File: BF140073.D

Acq: 26 Oct 2024 21:29

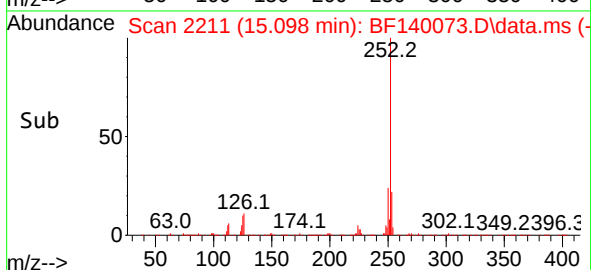
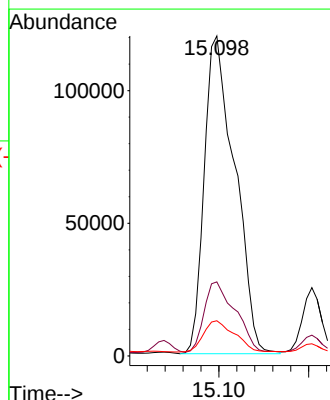
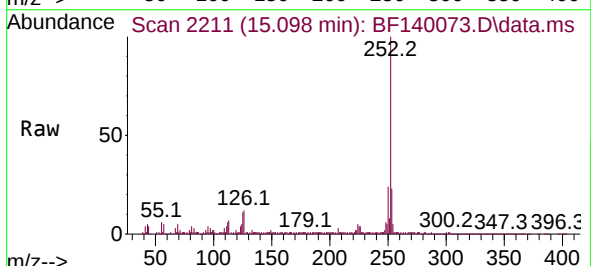
Tgt Ion:252 Resp: 282976

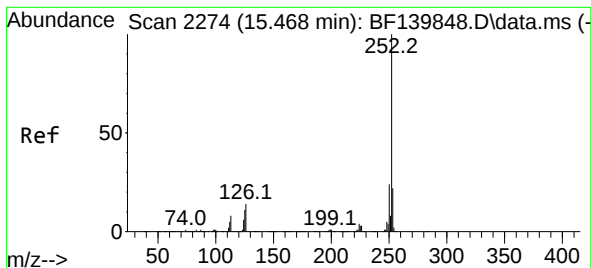
Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 11.0 7.9 11.9





#90

Benzo(a)pyrene

Concen: 16.606 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF140073.D

Acq: 26 Oct 2024 21:29

Instrument :

BNA_F

ClientSampleId :

OR-03-102424

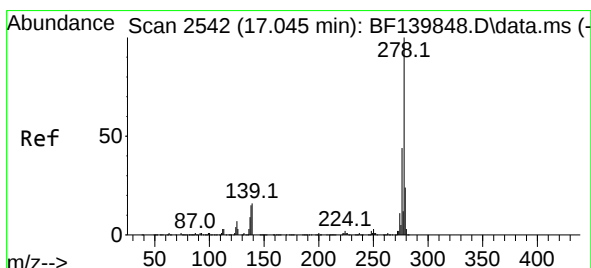
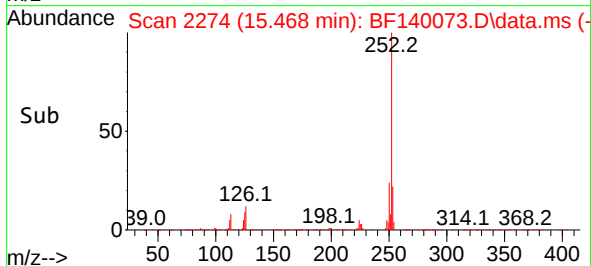
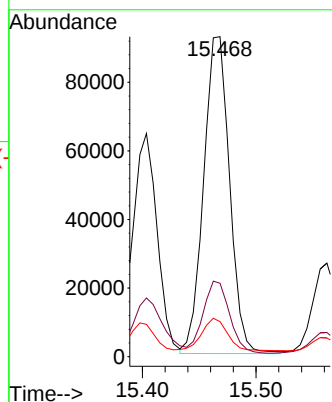
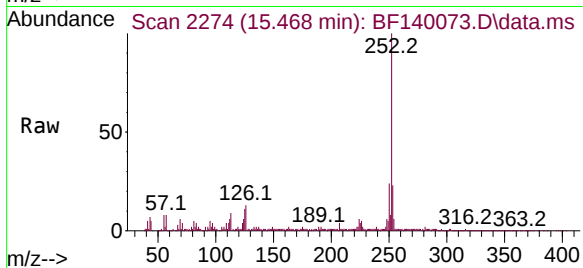
Tgt Ion:252 Resp: 146725

Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

125 11.0 8.7 13.1



#91

Dibenzo(a,h)anthracene

Concen: 2.150 ng

RT: 17.033 min Scan# 2540

Delta R.T. -0.012 min

Lab File: BF140073.D

Acq: 26 Oct 2024 21:29

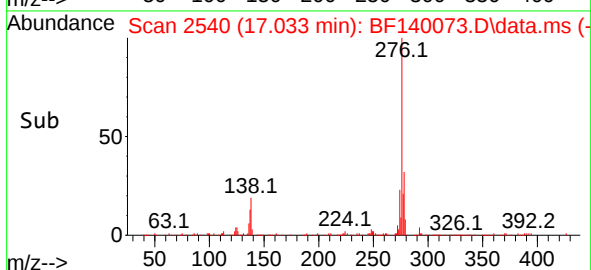
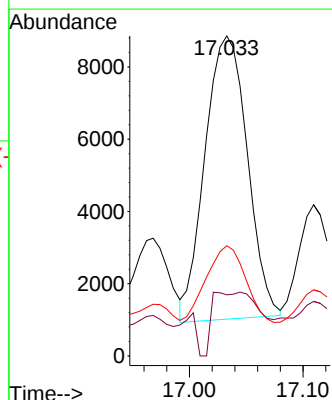
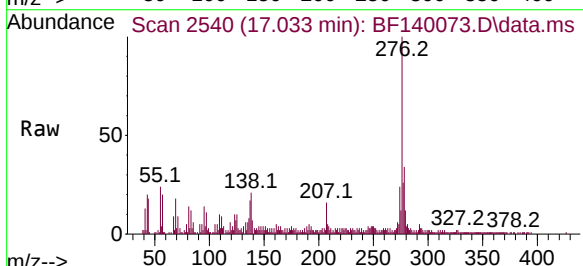
Tgt Ion:278 Resp: 20343

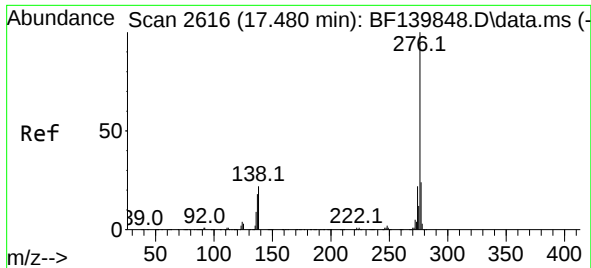
Ion Ratio Lower Upper

278 100

139 19.1 13.1 19.7

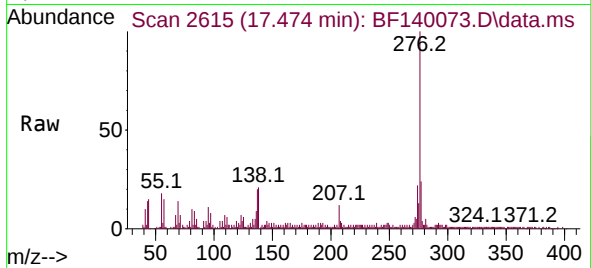
279 34.5 19.0 28.4#





#92
 Benzo(g,h,i)perylene
 Concen: 8.476 ng
 RT: 17.474 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF140073.D
 Acq: 26 Oct 2024 21:29

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-102424



Tgt Ion:	276	Resp:	80096
Ion Ratio	Lower	Upper	
276	100		
277	23.8	19.0	28.6
138	21.1	17.4	26.0

