

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102824\
 Data File : BF140096.D
 Acq On : 28 Oct 2024 19:27
 Operator : RC/JU
 Sample : P4577-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-102524

Quant Time: Oct 29 00:55:26 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)

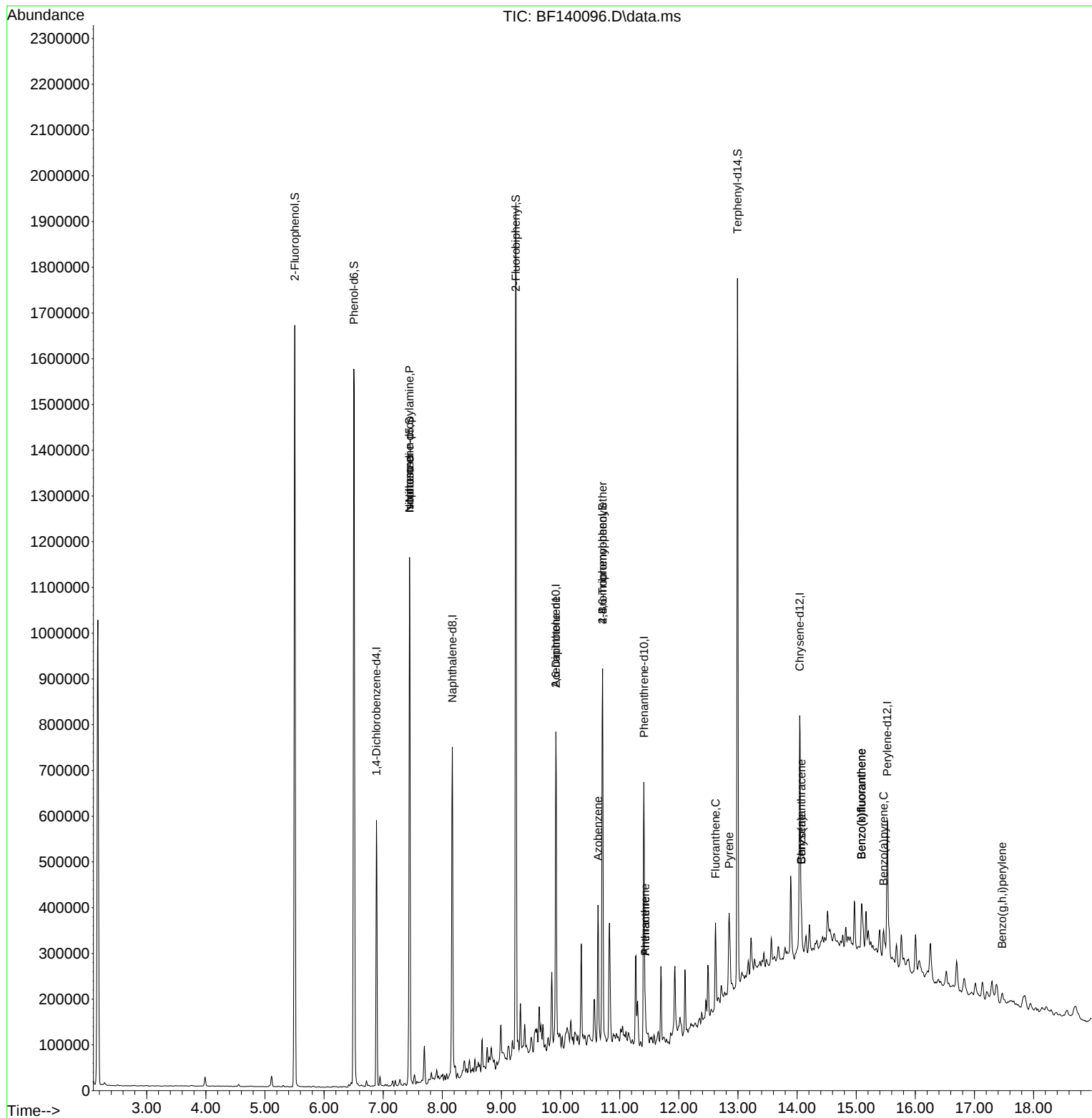
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	113960	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	424930	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	198982	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	299549	20.000	ng	0.00
76) Chrysene-d12	14.045	240	224511	20.000	ng	0.00
86) Perylene-d12	15.527	264	182388	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	605445	83.171	ng	0.00
7) Phenol-d6	6.504	99	760478	80.660	ng	0.00
23) Nitrobenzene-d5	7.445	82	504021	65.739	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	141019	75.767	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	872320	72.453	ng	0.00
79) Terphenyl-d14	12.992	244	770915	55.952	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	68986	12.064	ng	# 77
25) Isophorone	7.445	82	498902	34.284	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	28435	10.596	ng	# 23
63) Azobenzene	10.633	77	75010	5.814	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	9520	3.085	ng	# 1
71) Phenanthrene	11.433	178	42592	3.010	ng	99
72) Anthracene	11.433	178	42592	3.085	ng	99
75) Fluoranthene	12.621	202	104077	7.276	ng	99
78) Pyrene	12.851	202	98185	4.996	ng	97
81) Benzo(a)anthracene	14.074	228	49994	3.421	ng	92
83) Chrysene	14.074	228	49909	3.725	ng	# 96
88) Benzo(b)fluoranthene	15.092	252	80832	7.275	ng	# 91
89) Benzo(k)fluoranthene	15.092	252	80832	8.436	ng	# 91
90) Benzo(a)pyrene	15.462	252	36511	3.994	ng	# 89
92) Benzo(g,h,i)perylene	17.468	276	21804	2.230	ng	93

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

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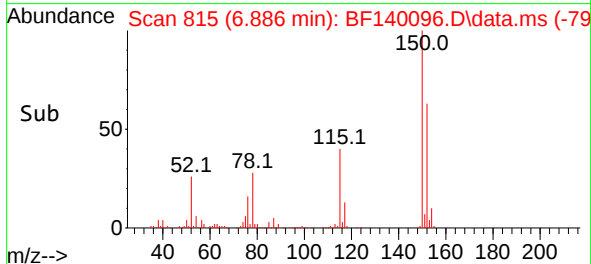
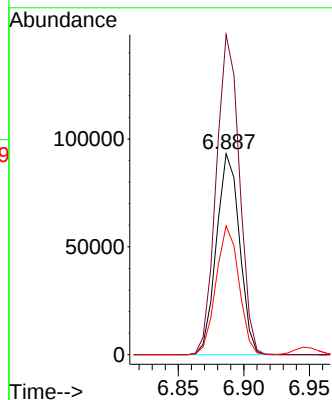
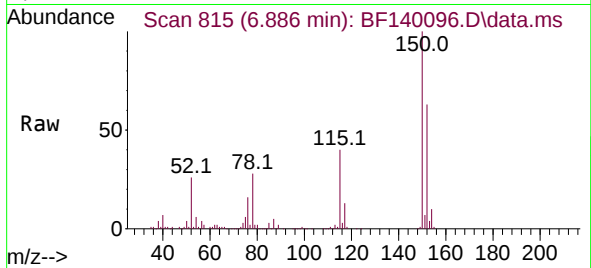




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

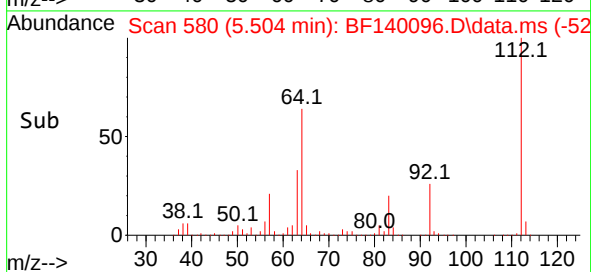
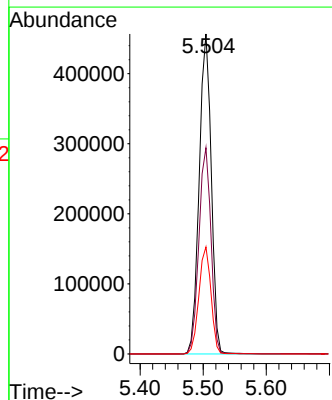
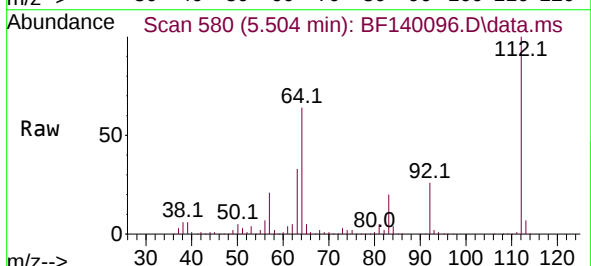
Instrument :
BNA_F
ClientSampleId :
TR-05-102524

Tgt Ion:152 Resp: 113960
Ion Ratio Lower Upper
152 100
150 159.3 130.2 195.2
115 64.1 51.4 77.2



#5
2-Fluorophenol
Concen: 83.171 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

Tgt Ion:112 Resp: 605445
Ion Ratio Lower Upper
112 100
64 64.5 53.0 79.6
63 33.5 27.0 40.4

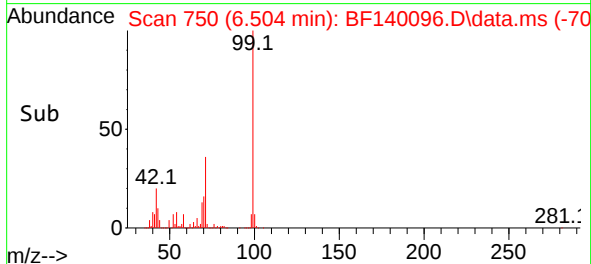
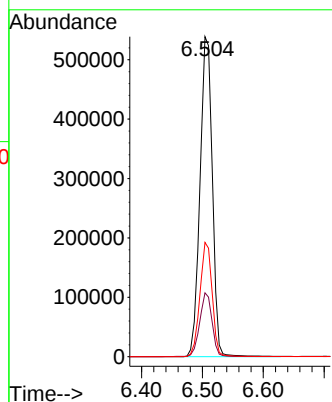
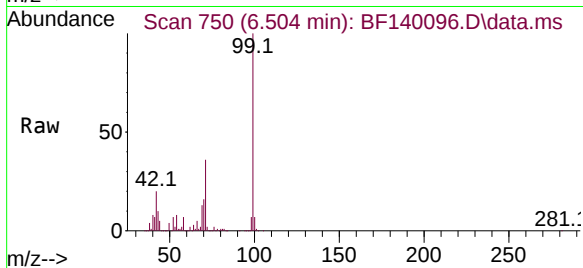




#7
Phenol-d6
Concen: 80.660 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

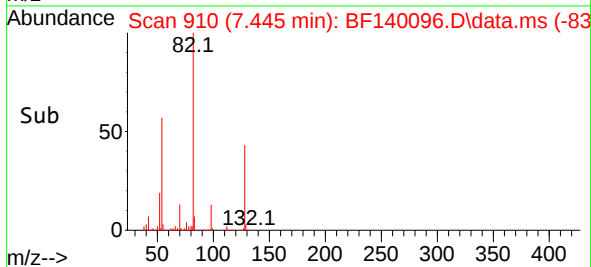
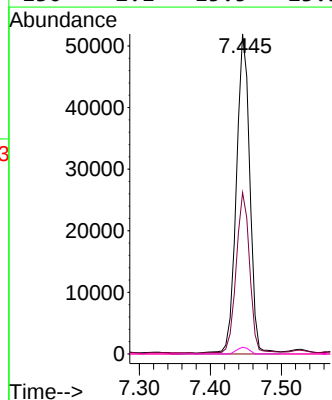
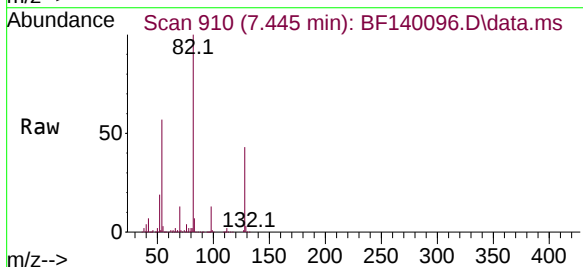
Instrument :
BNA_F
ClientSampleId :
TR-05-102524

Tgt Ion: 99 Resp: 760478
Ion Ratio Lower Upper
99 100
42 20.0 16.7 25.1
71 35.7 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 12.064 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

Tgt Ion: 70 Resp: 68986
Ion Ratio Lower Upper
70 100
42 50.4 51.5 77.3#
101 0.0 7.5 11.3#
130 2.1 15.5 23.3#



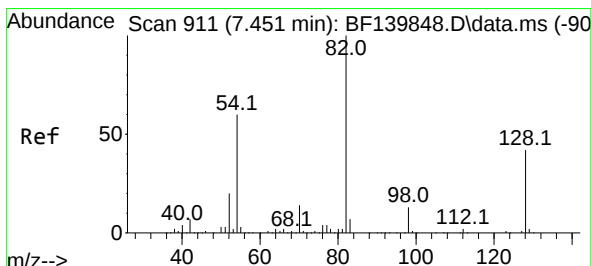
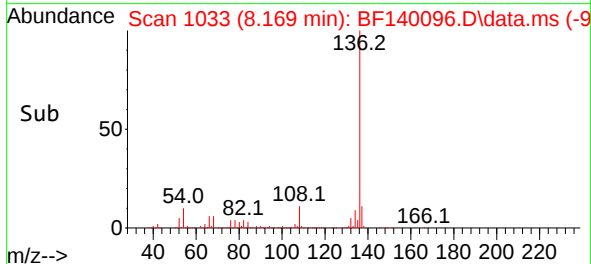
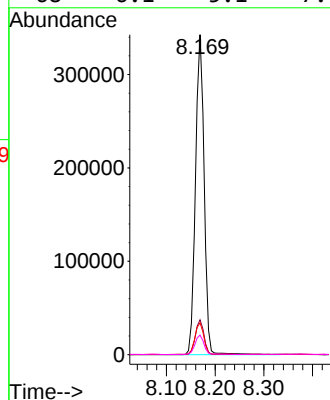
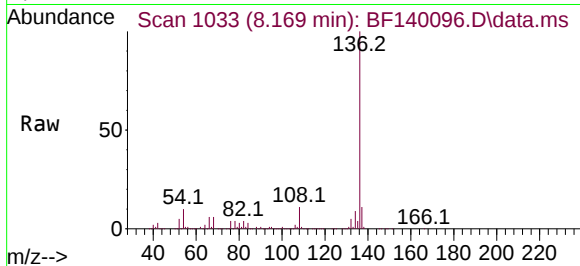


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

Instrument :
BNA_F
ClientSampleId :
TR-05-102524

Tgt Ion:136 Resp: 424930

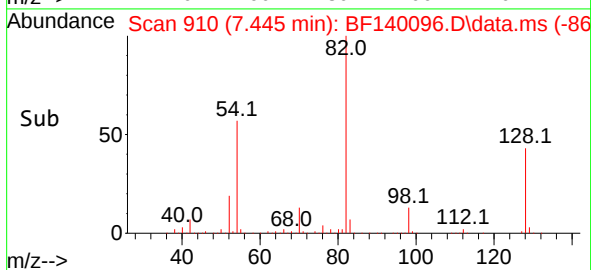
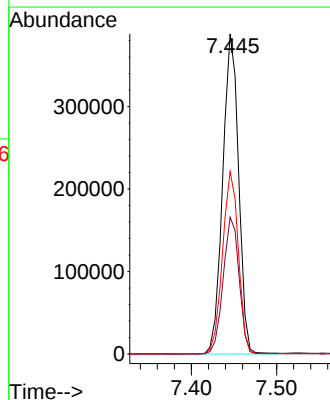
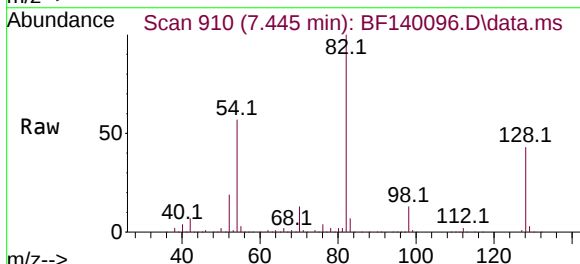
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	9.9	8.4	12.6
68	6.1	5.1	7.7



#23
Nitrobenzene-d5
Concen: 65.739 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

Tgt Ion: 82 Resp: 504021

Ion	Ratio	Lower	Upper
82	100		
128	42.7	33.4	50.0
54	57.0	47.8	71.8

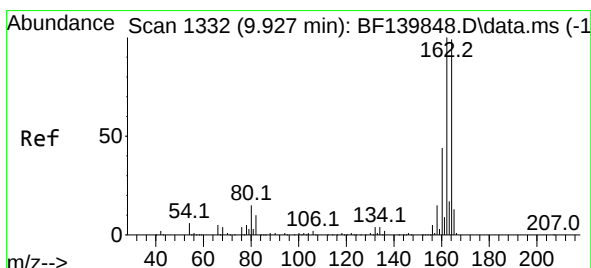
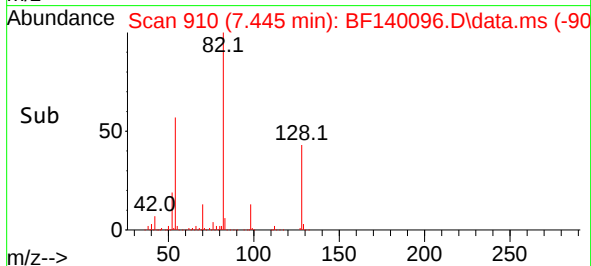
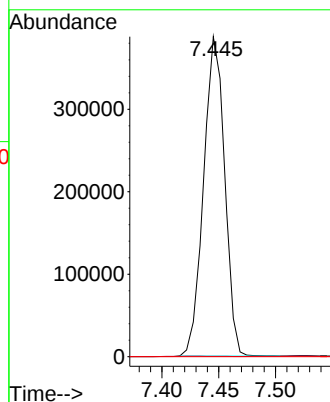
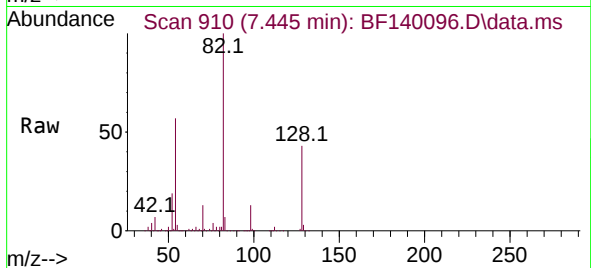




#25
Isophorone
Concen: 34.284 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

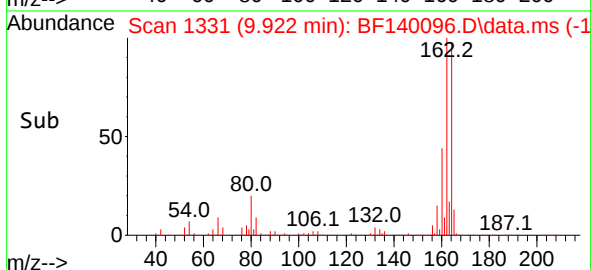
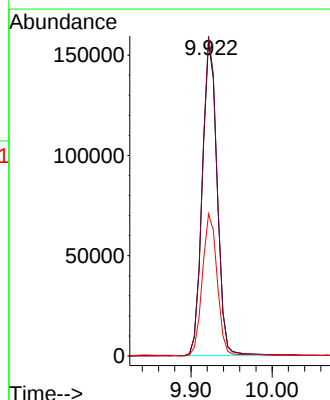
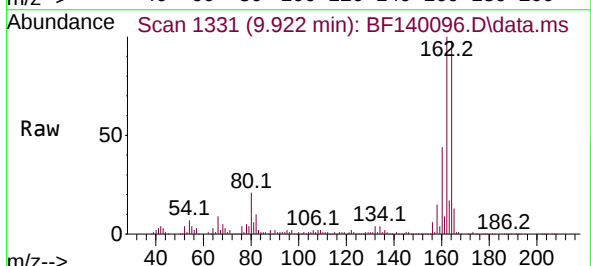
Instrument :
BNA_F
ClientSampleId :
TR-05-102524

Tgt Ion: 82 Resp: 498902
Ion Ratio Lower Upper
82 100
95 0.1 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: BF140096.D
Acq: 28 Oct 2024 19:27

Tgt Ion: 164 Resp: 198982
Ion Ratio Lower Upper
164 100
162 101.8 81.0 121.4
160 45.2 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 75.767 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF140096.D

Acq: 28 Oct 2024 19:27

Instrument :

BNA_F

ClientSampleId :

TR-05-102524

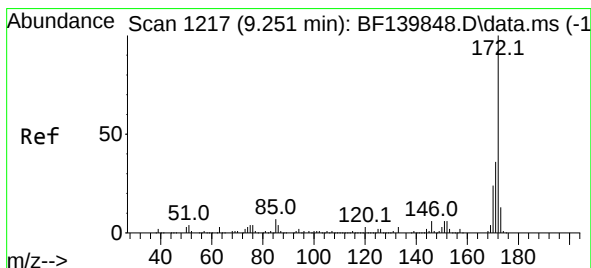
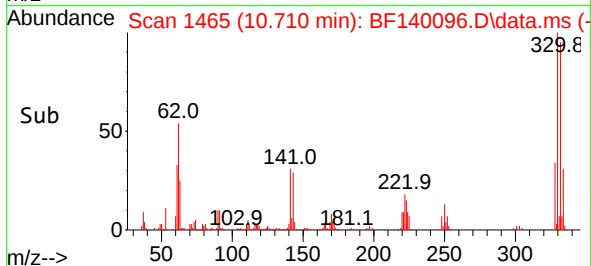
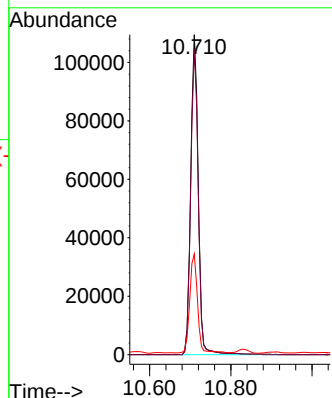
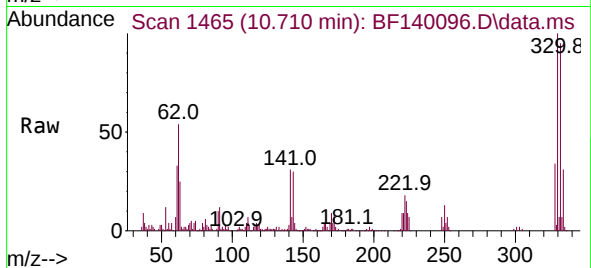
Tgt Ion:330 Resp: 141019

Ion Ratio Lower Upper

330 100

332 94.8 78.1 117.1

141 31.6 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 72.453 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF140096.D

Acq: 28 Oct 2024 19:27

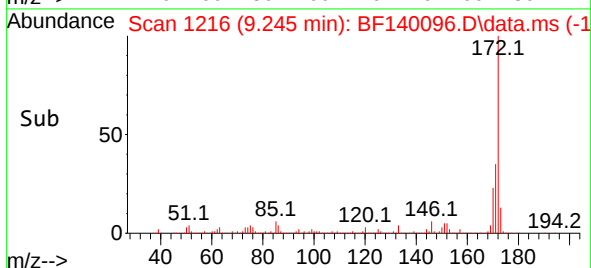
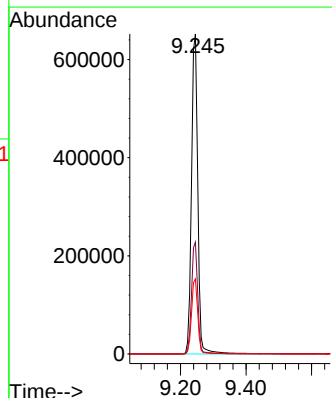
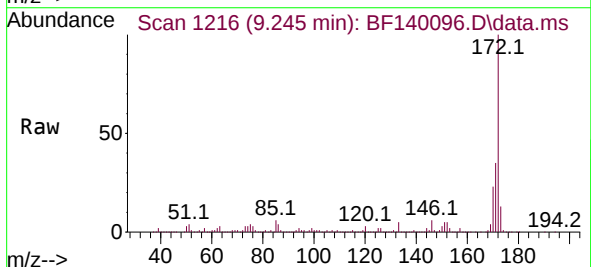
Tgt Ion:172 Resp: 872320

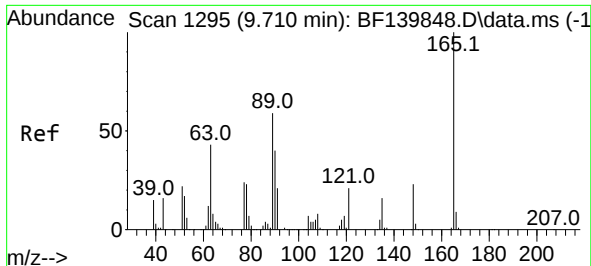
Ion Ratio Lower Upper

172 100

171 34.9 28.6 43.0

170 23.5 19.1 28.7

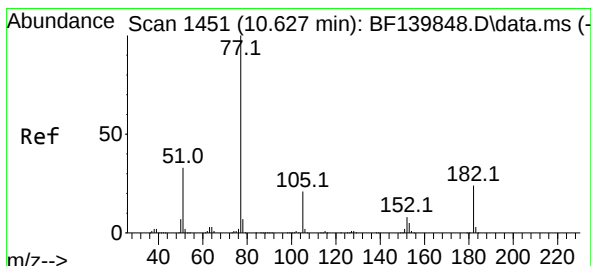
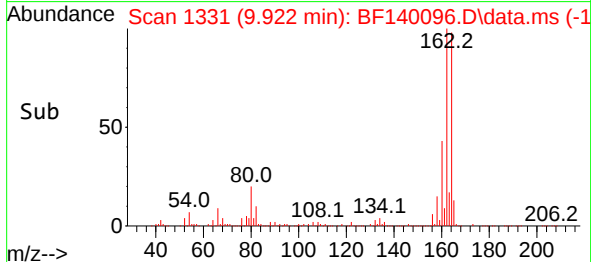
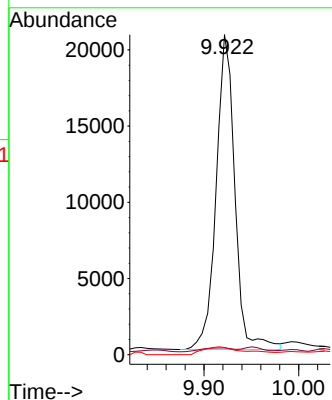
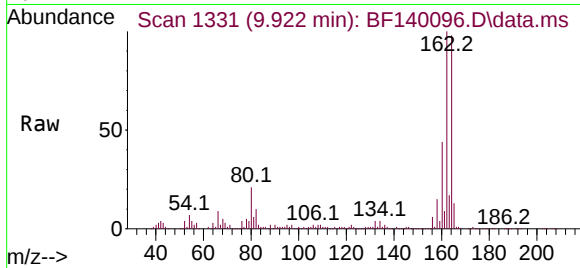




#51
2,6-Dinitrotoluene
Concen: 10.596 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

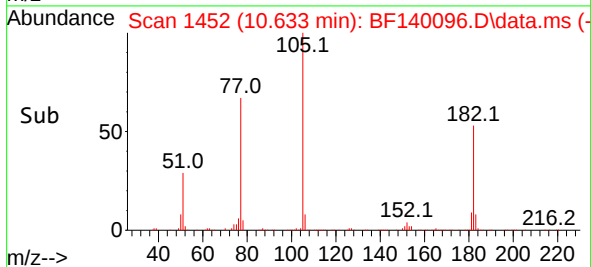
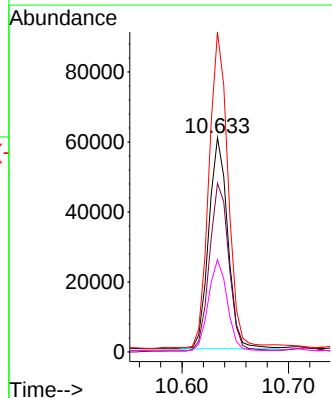
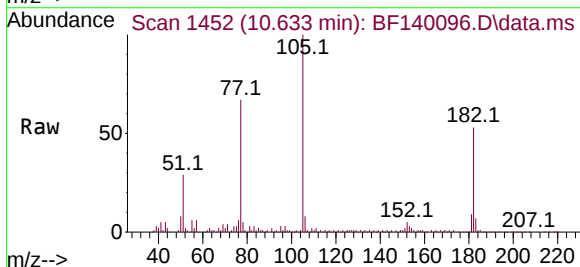
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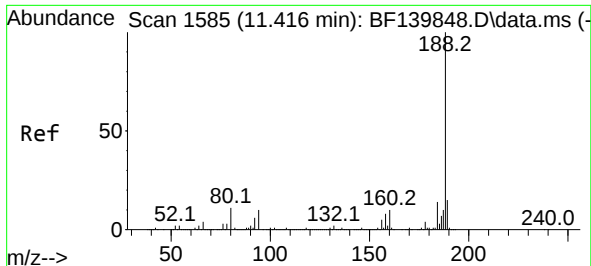
Tgt Ion:165 Resp: 28435
Ion Ratio Lower Upper
165 100
63 2.1 50.6 75.8#
89 2.3 47.5 71.3#



#63
Azobenzene
Concen: 5.814 ng
RT: 10.633 min Scan# 1452
Delta R.T. 0.006 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

Tgt Ion: 77 Resp: 75010
Ion Ratio Lower Upper
77 100
182 78.6 3.3 43.3#
105 149.2 1.2 41.2#
51 43.1 13.3 53.3

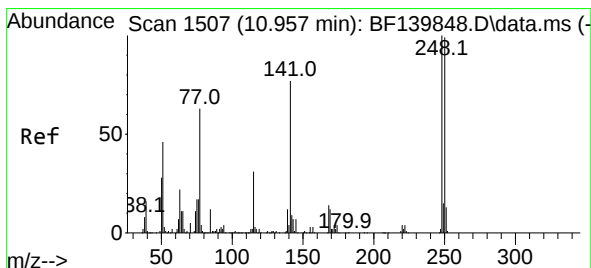
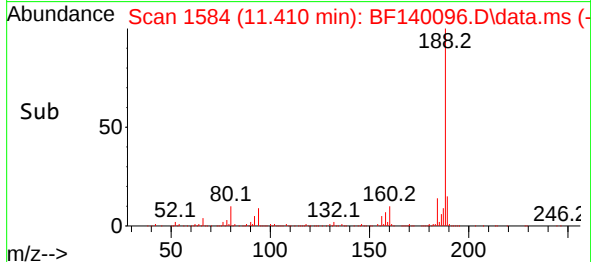
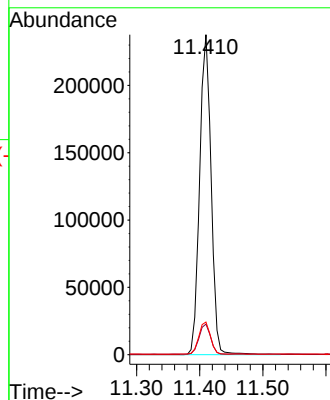
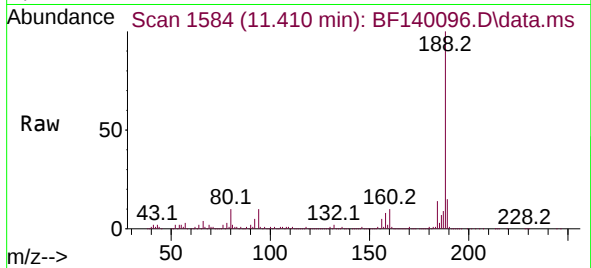




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

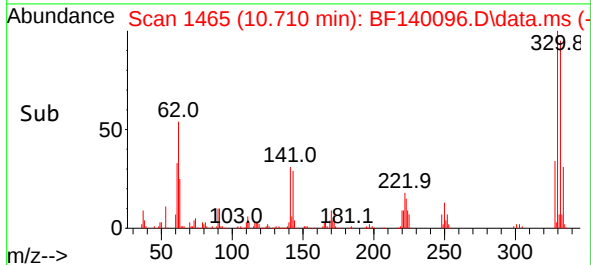
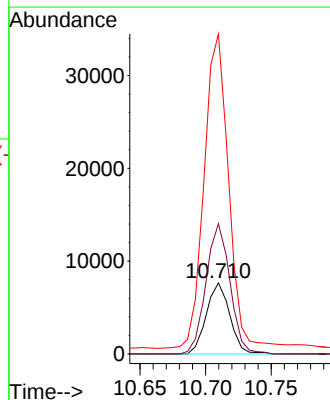
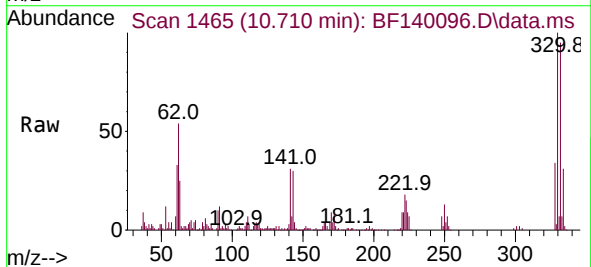
Instrument :
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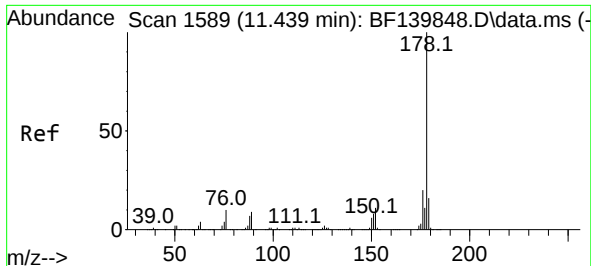
Tgt Ion:188 Resp: 299549
Ion Ratio Lower Upper
188 100
94 9.5 7.9 11.9
80 10.2 9.0 13.4



#67
4-Bromophenyl-phenylether
Concen: 3.085 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.247 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

Tgt Ion:248 Resp: 9520
Ion Ratio Lower Upper
248 100
250 183.4 79.0 118.6#
141 450.6 61.7 92.5#

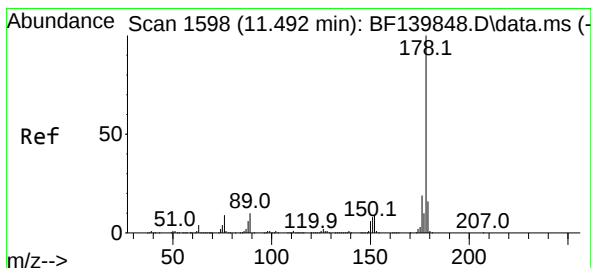
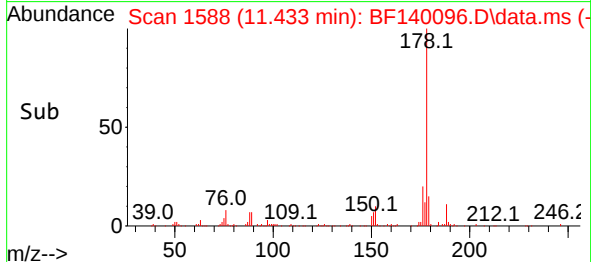
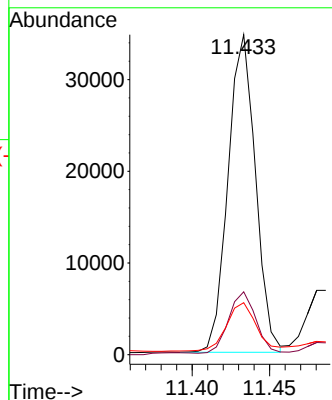
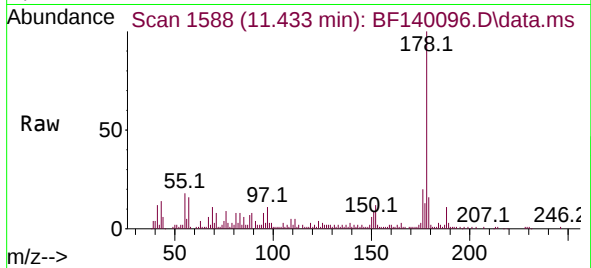




#71
Phenanthrene
Concen: 3.010 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

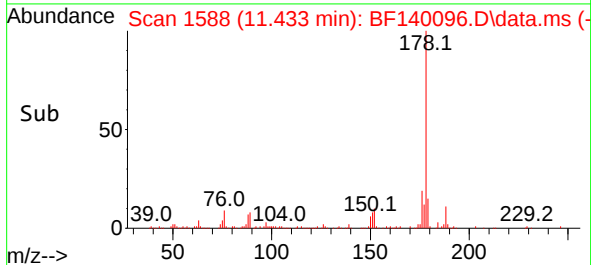
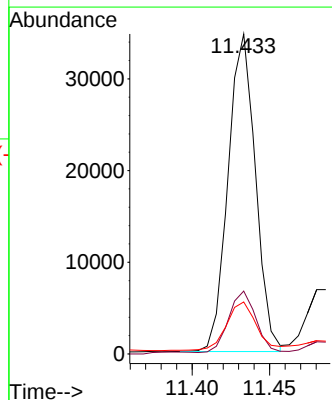
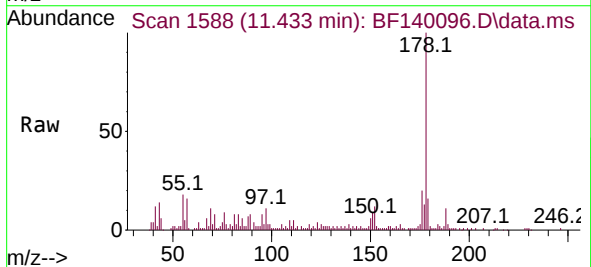
Instrument :
BNA_F
ClientSampleId :
TR-05-102524

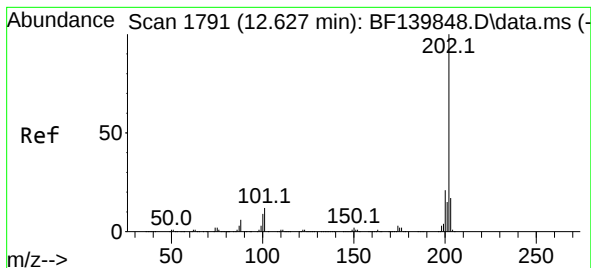
Tgt Ion:178 Resp: 42592
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.6
179 16.3 12.6 18.8



#72
Anthracene
Concen: 3.085 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.059 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

Tgt Ion:178 Resp: 42592
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 16.3 12.4 18.6





#75

Fluoranthene

Concen: 7.276 ng

RT: 12.621 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140096.D

Acq: 28 Oct 2024 19:27

Instrument :

BNA_F

ClientSampleId :

TR-05-102524

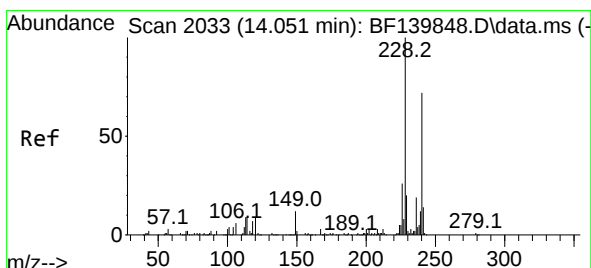
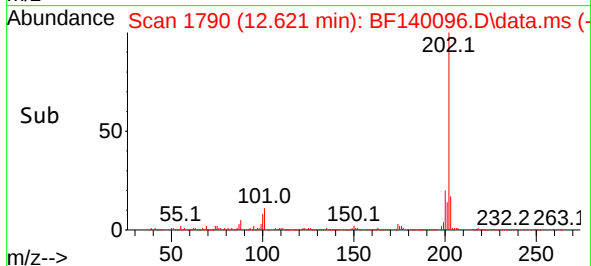
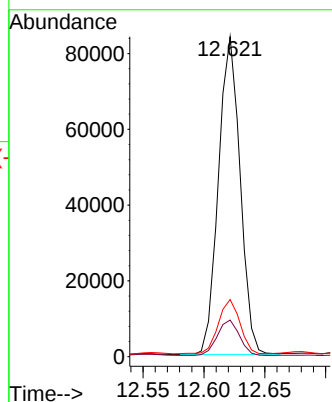
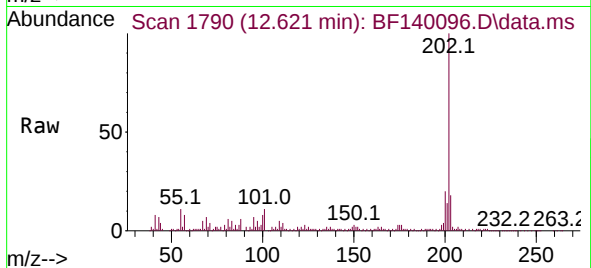
Tgt Ion:202 Resp: 104077

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.9

203 17.9 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140096.D

Acq: 28 Oct 2024 19:27

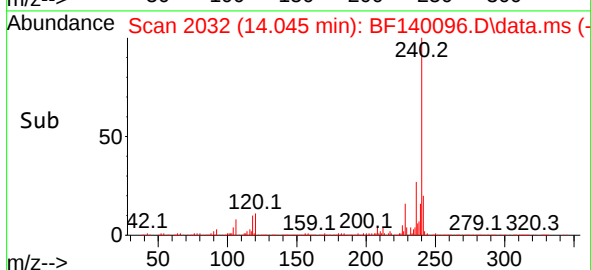
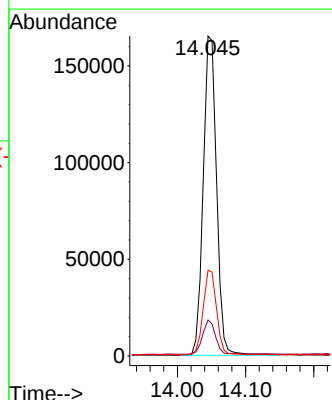
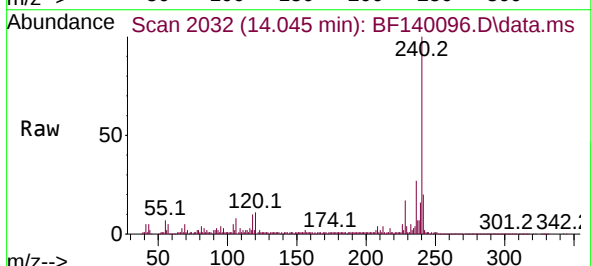
Tgt Ion:240 Resp: 224511

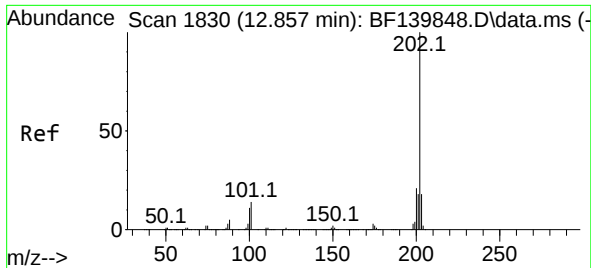
Ion Ratio Lower Upper

240 100

120 11.2 9.4 14.2

236 26.8 20.9 31.3





#78

Pyrene

Concen: 4.996 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF140096.D

Acq: 28 Oct 2024 19:27

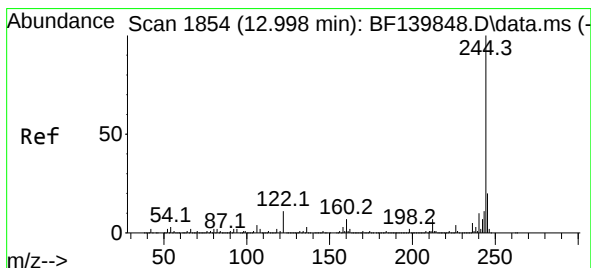
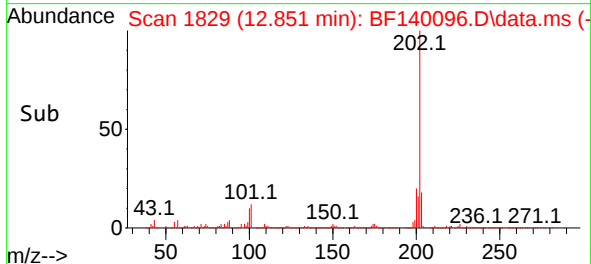
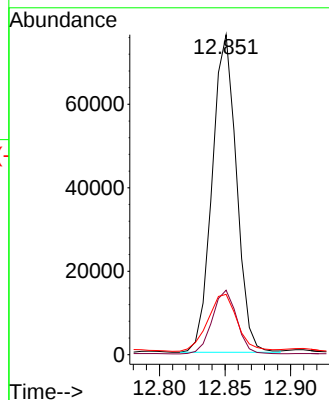
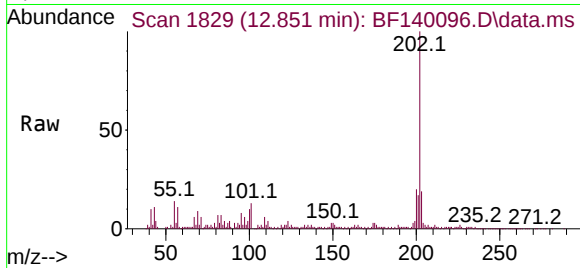
Instrument :

BNA_F

ClientSampleId :

TR-05-102524

Tgt Ion:	202	Resp:	98185
Ion Ratio	Lower	Upper	
202	100		
200	20.1	17.2	25.8
203	18.9	14.2	21.4



#79

Terphenyl-d14

Concen: 55.952 ng

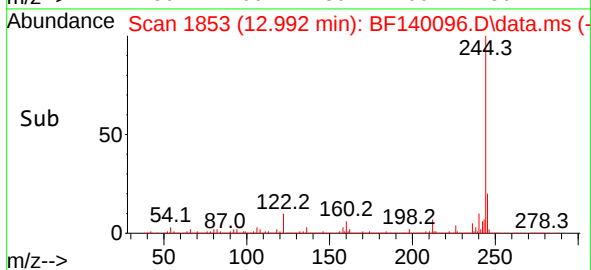
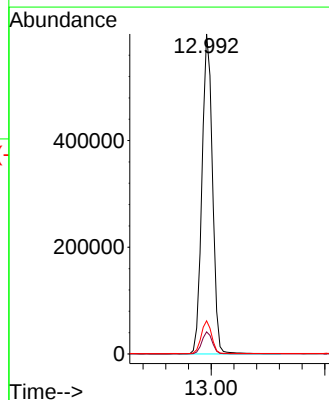
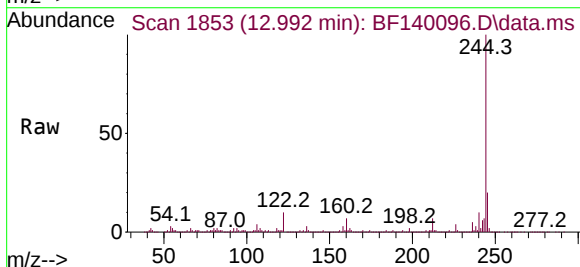
RT: 12.992 min Scan# 1853

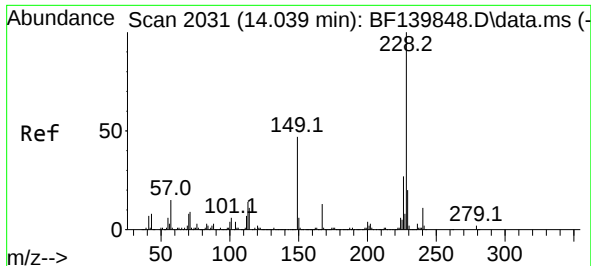
Delta R.T. -0.006 min

Lab File: BF140096.D

Acq: 28 Oct 2024 19:27

Tgt Ion:	244	Resp:	770915
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.7	8.5
122	10.4	8.6	13.0

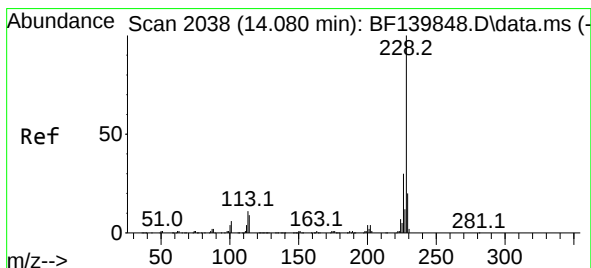
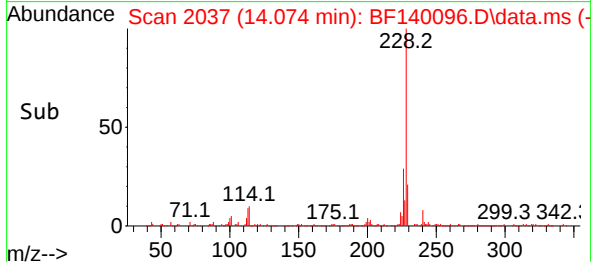
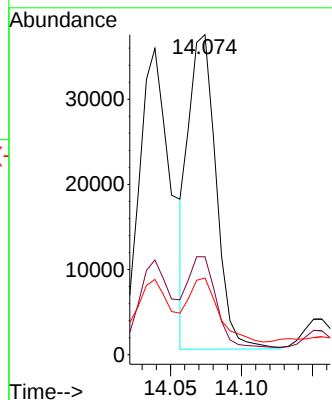
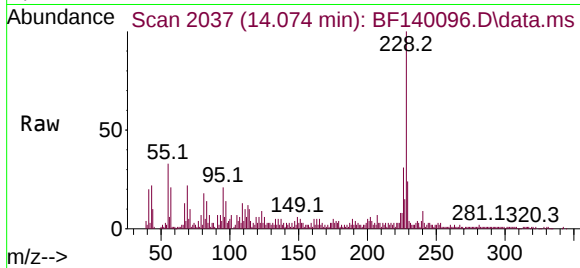




#81
Benzo(a)anthracene
Concen: 3.421 ng
RT: 14.074 min Scan# 2037
Delta R.T. 0.035 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

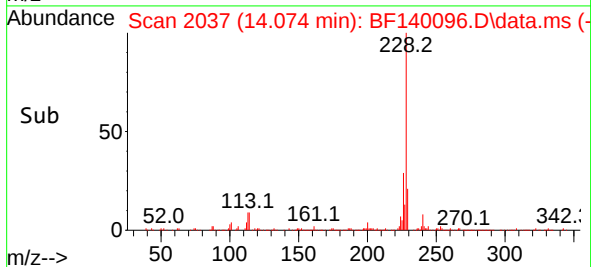
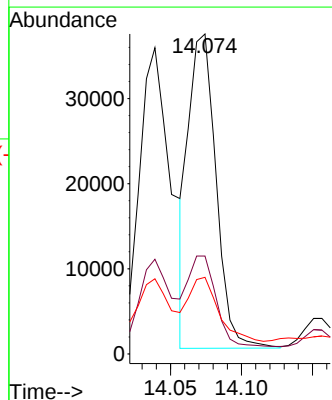
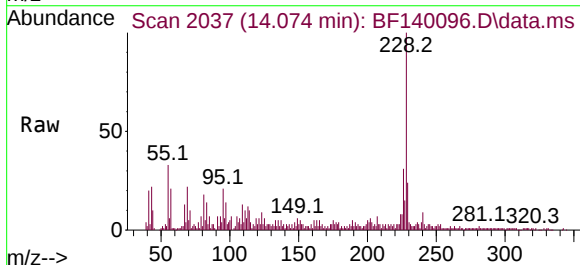
Instrument :
BNA_F
ClientSampleId :
TR-05-102524

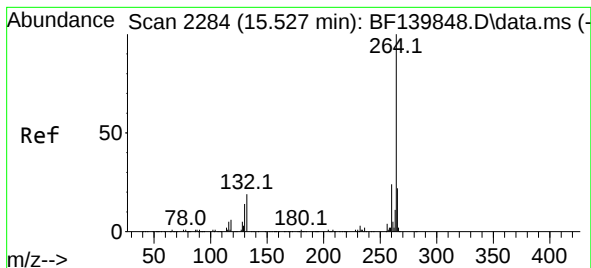
Tgt Ion:228 Resp: 49994
Ion Ratio Lower Upper
228 100
226 30.6 21.6 32.4
229 23.9 16.1 24.1



#83
Chrysene
Concen: 3.725 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF140096.D
Acq: 28 Oct 2024 19:27

Tgt Ion:228 Resp: 49909
Ion Ratio Lower Upper
228 100
226 30.6 24.1 36.1
229 23.9 15.8 23.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2110

Delta R.T. 0.000 min

Lab File: BF140096.D

Acq: 28 Oct 2024 19:27

Instrument :

BNA_F

ClientSampleId :

TR-05-102524

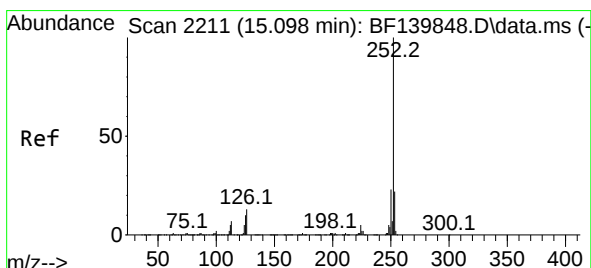
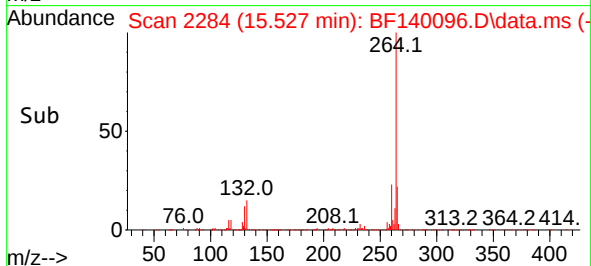
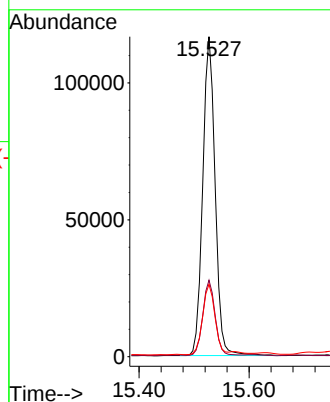
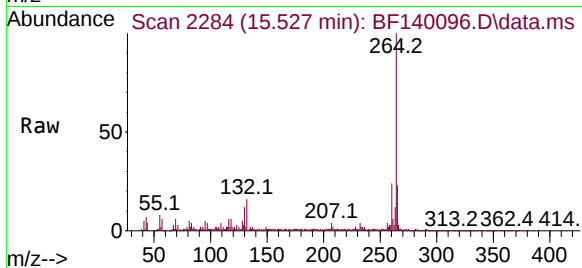
Tgt Ion:264 Resp: 182388

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

265 22.6 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 7.275 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF140096.D

Acq: 28 Oct 2024 19:27

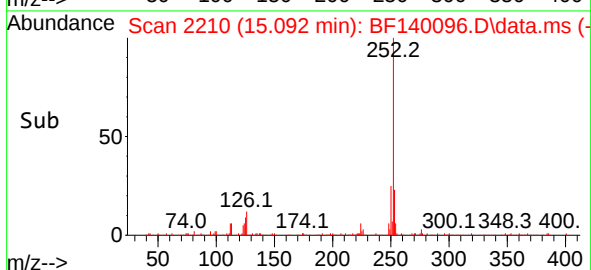
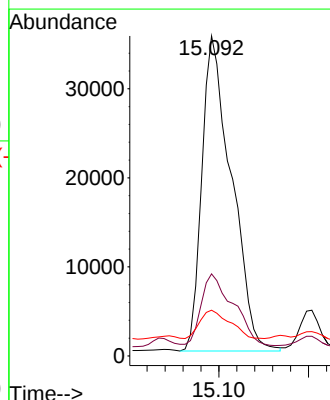
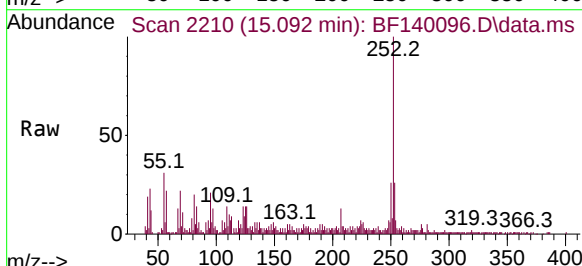
Tgt Ion:252 Resp: 80832

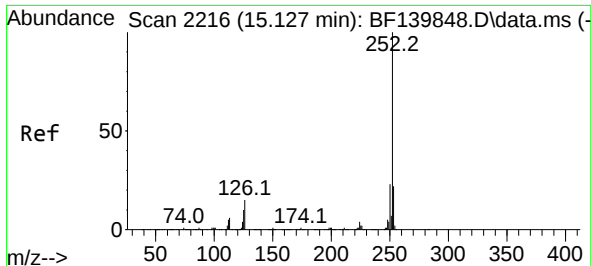
Ion Ratio Lower Upper

252 100

253 25.7 17.6 26.4

125 14.3 7.9 11.9#





#89

Benzo(k)fluoranthene

Concen: 8.436 ng

RT: 15.092 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF140096.D

Acq: 28 Oct 2024 19:27

Instrument :

BNA_F

ClientSampleId :

TR-05-102524

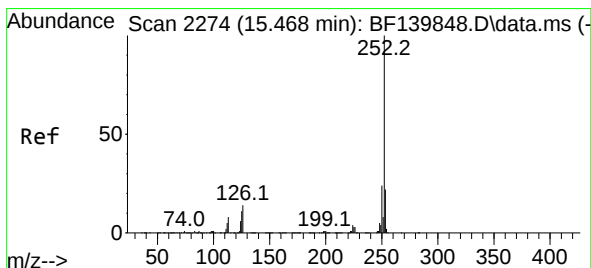
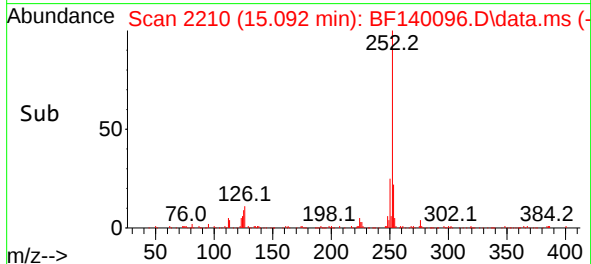
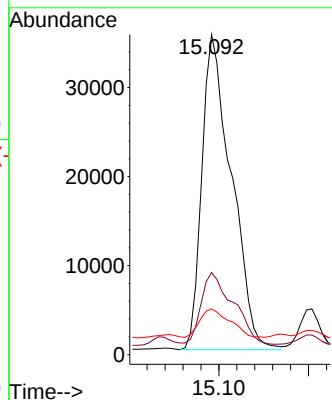
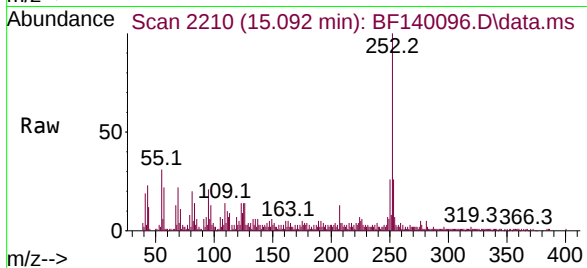
Tgt Ion:252 Resp: 80832

Ion Ratio Lower Upper

252 100

253 25.7 17.6 26.4

125 14.3 7.9 11.9#



#90

Benzo(a)pyrene

Concen: 3.994 ng

RT: 15.462 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF140096.D

Acq: 28 Oct 2024 19:27

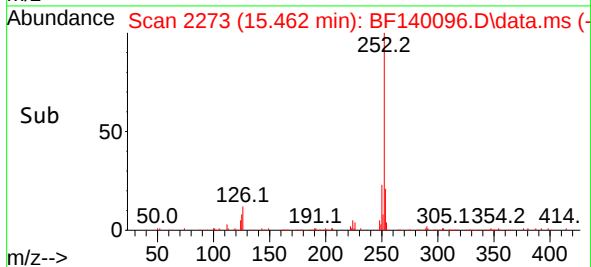
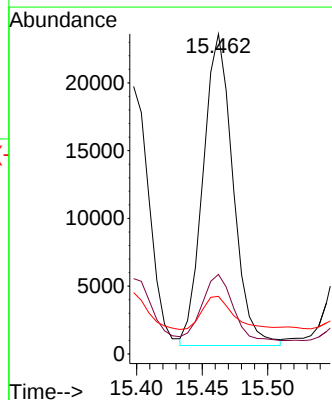
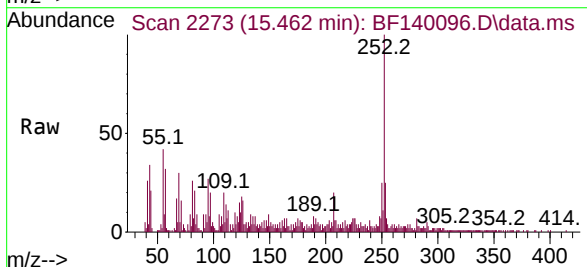
Tgt Ion:252 Resp: 36511

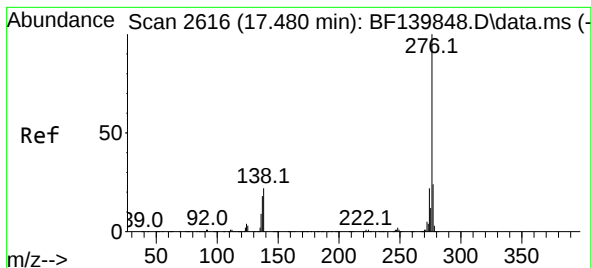
Ion Ratio Lower Upper

252 100

253 24.8 17.3 25.9

125 18.0 8.7 13.1#





#92

Benzo(g,h,i)perylene

Concen: 2.230 ng

RT: 17.468 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF140096.D

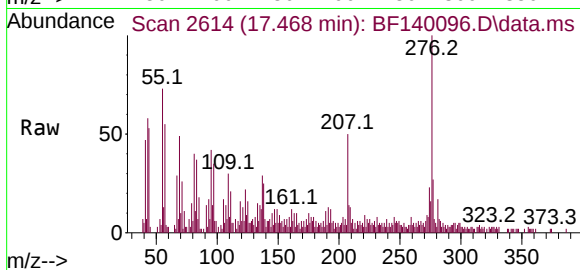
Acq: 28 Oct 2024 19:27

Instrument :

BNA_F

ClientSampleId :

TR-05-102524



Tgt Ion:276 Resp: 21804

Ion Ratio Lower Upper

276 100

277 27.4 19.0 28.6

138 25.1 17.4 26.0

