

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092122\
 Data File : BF130359.D
 Acq On : 21 Sep 2022 13:49
 Operator : CG\JU
 Sample : N4630-12RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-17-4-3RE

Quant Time: Sep 21 16:01:17 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 19 15:06:14 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

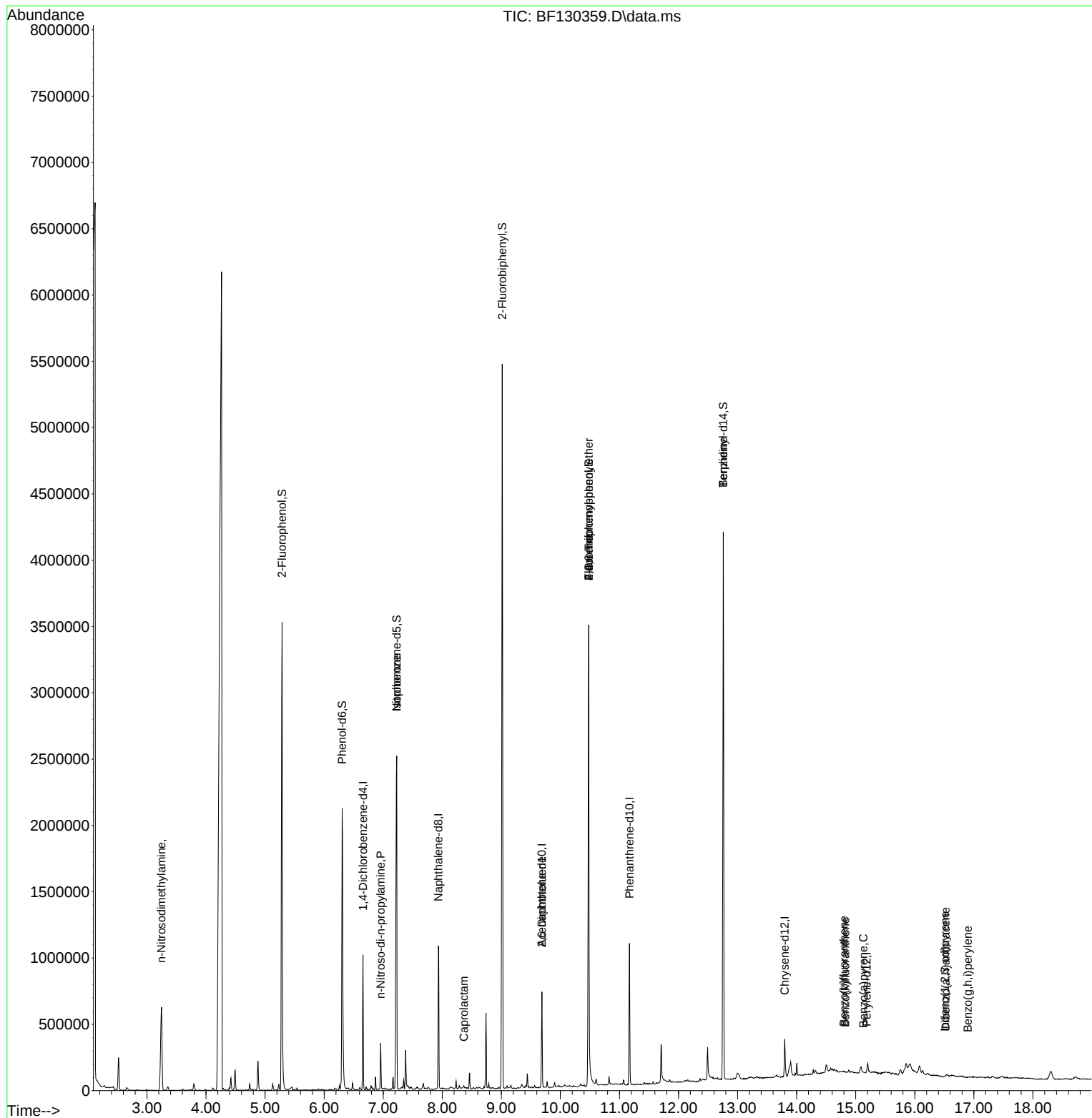
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.657	152	127366	20.000	ng	0.00
21) Naphthalene-d8	7.934	136	494350	20.000	ng	-0.01
39) Acenaphthene-d10	9.686	164	111498	20.000	ng	# 0.00
64) Phenanthrene-d10	11.169	188	299034	20.000	ng	0.00
76) Chrysene-d12	13.798	240	51206	20.000	ng	# 0.00
86) Perylene-d12	15.186	264	2006	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	1047576	142.658	ng	0.03
7) Phenol-d6	6.304	99	709226	77.190	ng	0.00
23) Nitrobenzene-d5	7.228	82	941793	97.329	ng	0.00
42) 2,4,6-Tribromophenol	10.481	330	475055	444.657	ng	0.00
45) 2-Fluorobiphenyl	9.016	172	1722727	224.992	ng	0.00
79) Terphenyl-d14	12.757	244	1121843	362.911	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.246	42	19973	4.174	ng	# 1
19) n-Nitroso-di-n-propyla...	6.957	70	15225	2.456	ng	# 56
25) Isophorone	7.228	82	940645	60.313	ng	# 66
35) Caprolactam	8.363	113	5162	2.650	ng	# 84
51) 2,6-Dinitrotoluene	9.686	165	14362	8.916	ng	# 19
58) Fluorene	10.481	166	17262	2.287	ng	# 83
67) 4-Bromophenyl-phenylether	10.481	248	29829	9.042	ng	# 1
77) Benzidine	12.757	184	19184	12.906	ng	# 79
87) Indeno(1,2,3-cd)pyrene	16.510	276	1249	8.780	ng	# 69
88) Benzo(b)fluoranthene	14.798	252	3287	25.105	ng	# 35
89) Benzo(k)fluoranthene	14.821	252	1726	13.401	ng	# 51
90) Benzo(a)pyrene	15.127	252	3028	29.192	ng	# 33
91) Dibenzo(a,h)anthracene	16.521	278	1015	8.698	ng	# 17
92) Benzo(g,h,i)perylene	16.898	276	1450	12.335	ng	# 39

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

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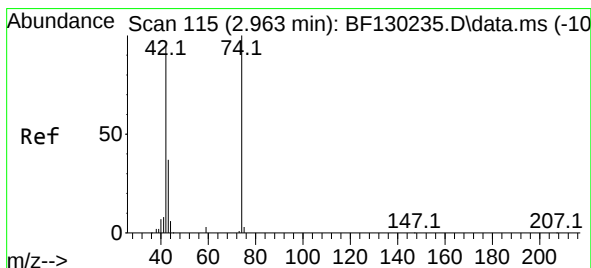
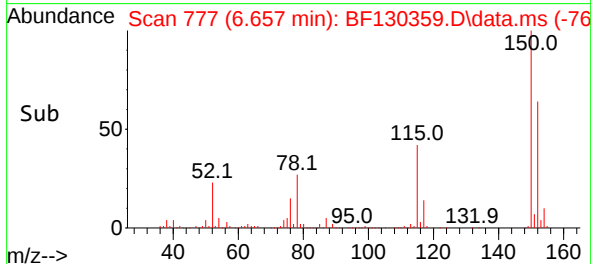
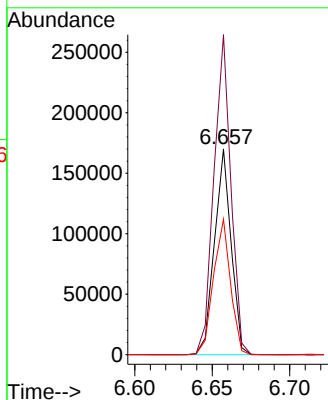
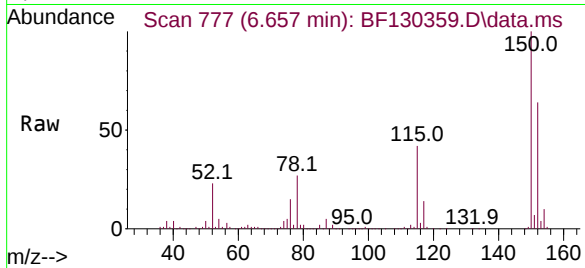




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.657 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF130359.D
 Acq: 21 Sep 2022 13:49

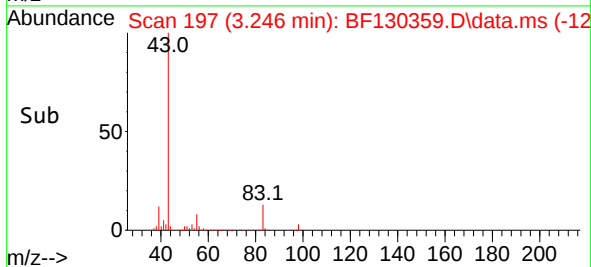
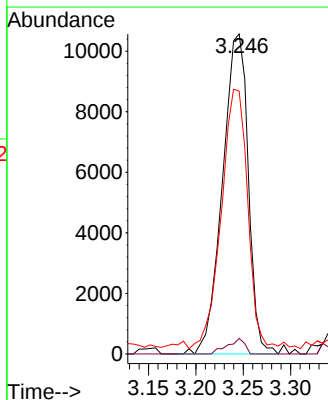
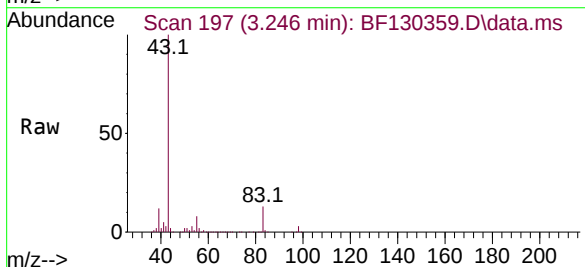
Instrument :
 BNA_F
 ClientSampleId :
 WC-17-4-3RE

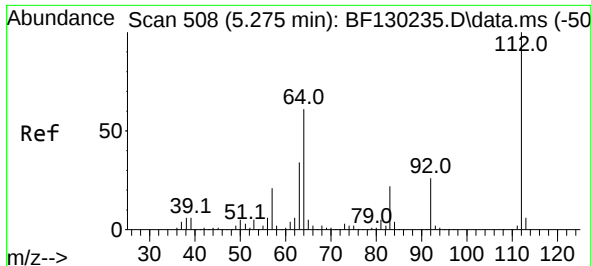
Tgt Ion:152 Resp: 127366
 Ion Ratio Lower Upper
 152 100
 150 155.5 122.8 184.2
 115 65.8 53.8 80.8



#4
 n-Nitrosodimethylamine
 Concen: 4.174 ng
 RT: 3.246 min Scan# 197
 Delta R.T. 0.306 min
 Lab File: BF130359.D
 Acq: 21 Sep 2022 13:49

Tgt Ion: 42 Resp: 19973
 Ion Ratio Lower Upper
 42 100
 74 4.8 88.4 132.6#
 44 82.2 5.0 7.4#

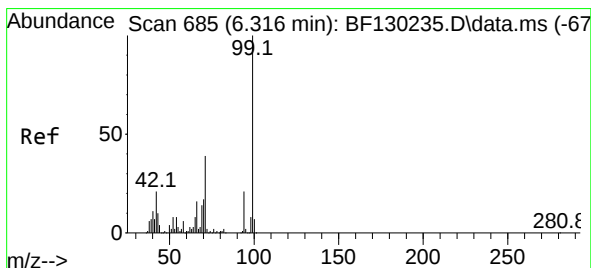
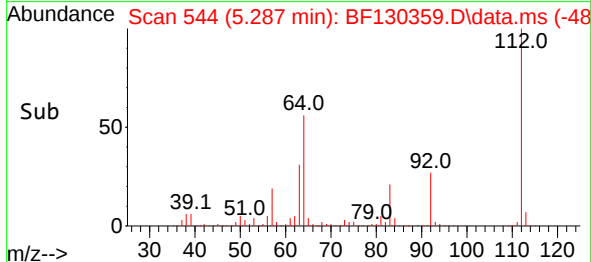
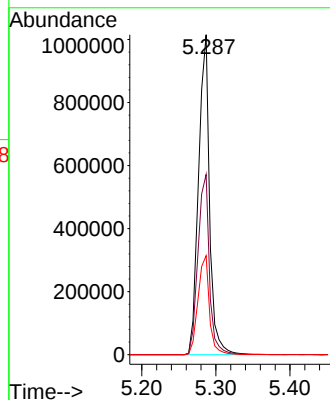
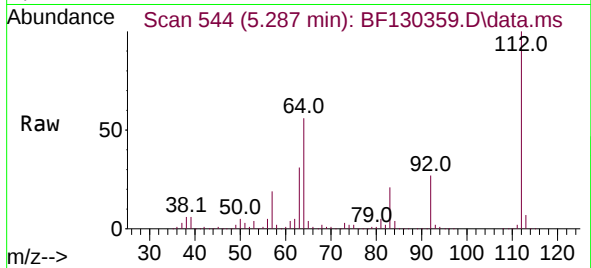




#5
2-Fluorophenol
Concen: 142.658 ng
RT: 5.287 min Scan# 54
Delta R.T. 0.030 min
Lab File: BF130359.D
Acq: 21 Sep 2022 13:49

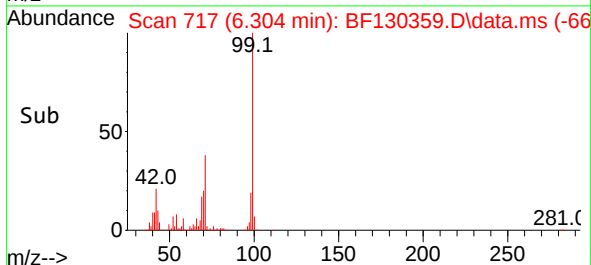
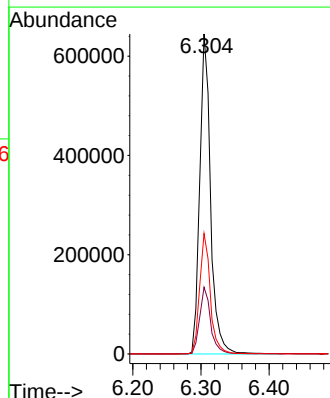
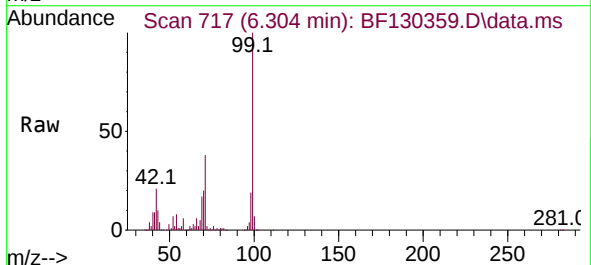
Instrument :
BNA_F
ClientSampleId :
WC-17-4-3RE

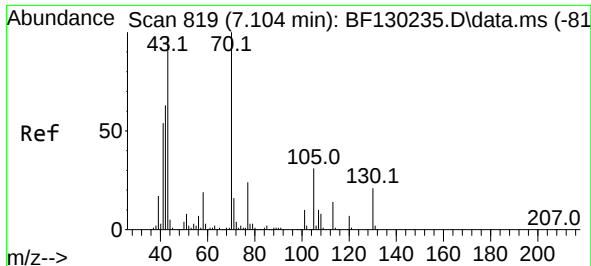
Tgt Ion:112 Resp: 1047576
Ion Ratio Lower Upper
112 100
64 56.3 51.4 77.0
63 30.9 28.8 43.2



#7
Phenol-d6
Concen: 77.190 ng
RT: 6.304 min Scan# 717
Delta R.T. 0.006 min
Lab File: BF130359.D
Acq: 21 Sep 2022 13:49

Tgt Ion: 99 Resp: 709226
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.6
71 37.7 32.3 48.5

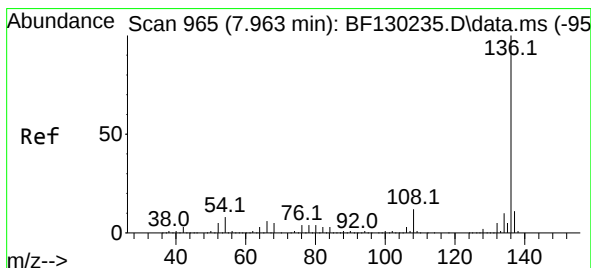
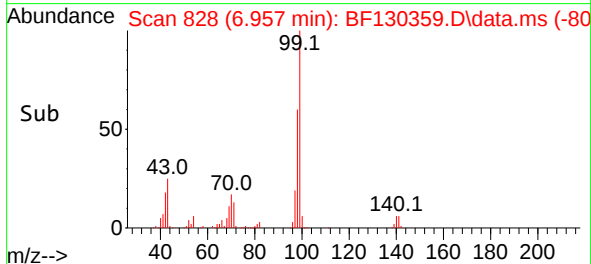
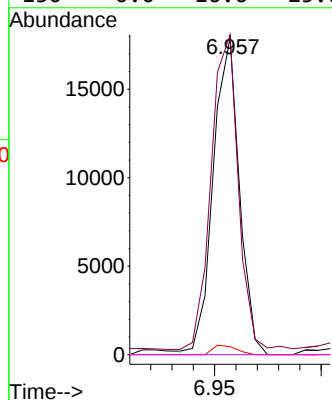
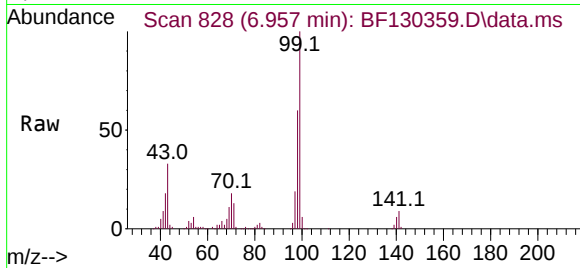




#19
n-Nitroso-di-n-propylamine
Concen: 2.456 ng
RT: 6.957 min Scan# 819
Delta R.T. -0.135 min
Lab File: BF130359.D
Acq: 21 Sep 2022 13:49

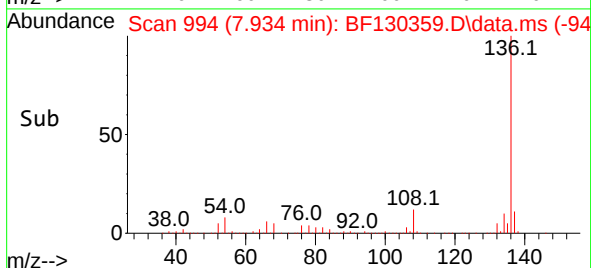
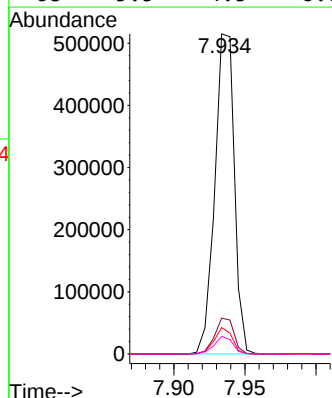
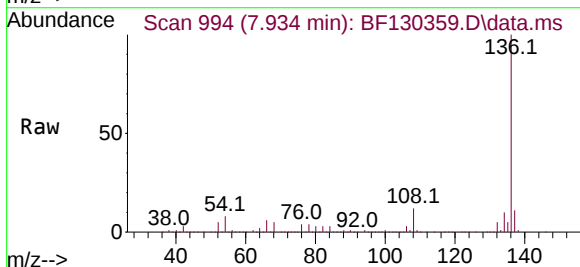
Instrument :
BNA_F
ClientSampleId :
WC-17-4-3RE

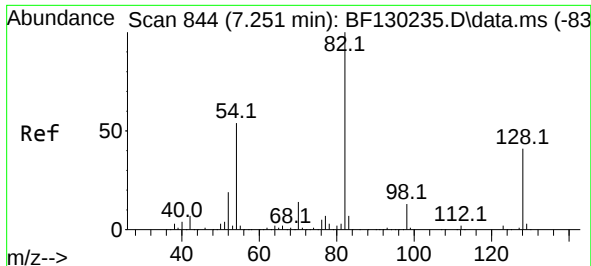
Tgt Ion:	70	Resp:	15225
Ion	Ratio	Lower	Upper
70	100		
42	101.0	50.8	76.2#
101	2.5	8.2	12.4#
130	0.0	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.934 min Scan# 994
Delta R.T. -0.012 min
Lab File: BF130359.D
Acq: 21 Sep 2022 13:49

Tgt Ion:	136	Resp:	494350
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	8.3	7.1	10.7
68	5.5	4.5	6.7

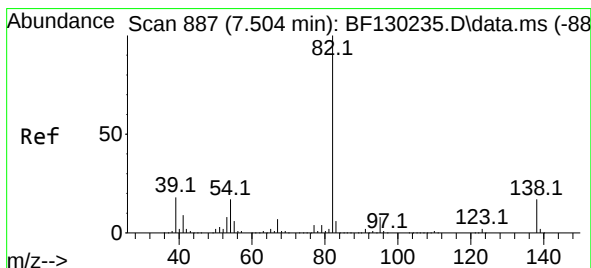
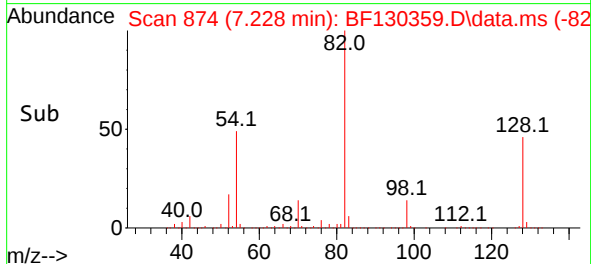
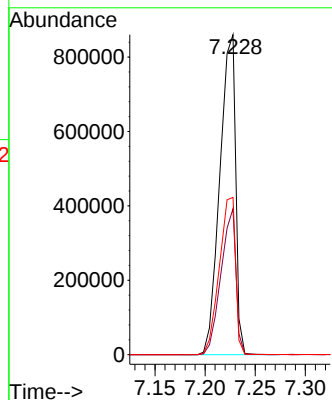
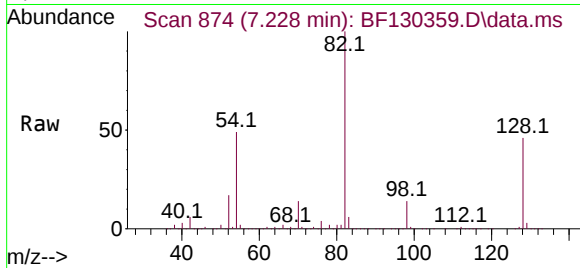




#23
Nitrobenzene-d5
Concen: 97.329 ng
RT: 7.228 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130359.D
Acq: 21 Sep 2022 13:49

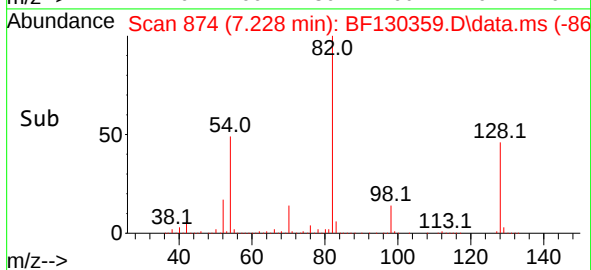
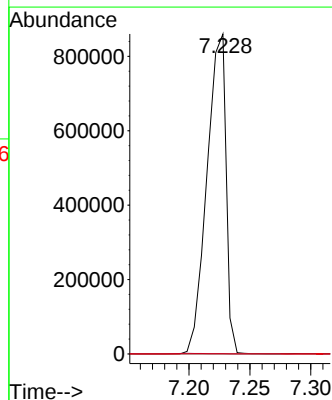
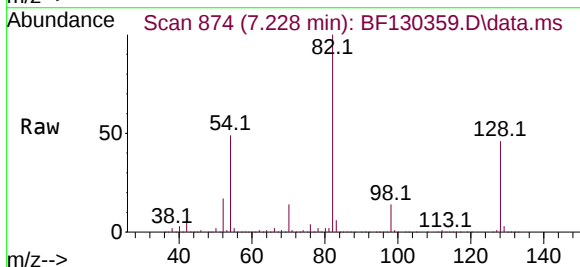
Instrument :
BNA_F
ClientSampleId :
WC-17-4-3RE

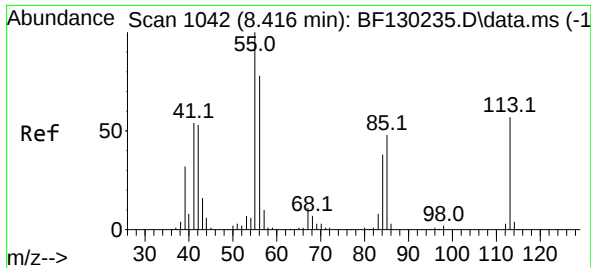
Tgt Ion: 82 Resp: 941793
Ion Ratio Lower Upper
82 100
128 45.6 32.6 49.0
54 49.1 43.8 65.6



#25
Isophorone
Concen: 60.313 ng
RT: 7.228 min Scan# 874
Delta R.T. -0.265 min
Lab File: BF130359.D
Acq: 21 Sep 2022 13:49

Tgt Ion: 82 Resp: 940645
Ion Ratio Lower Upper
82 100
95 0.1 6.4 9.6#
138 0.0 13.8 20.6#

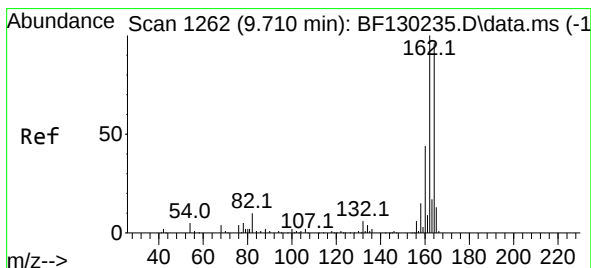
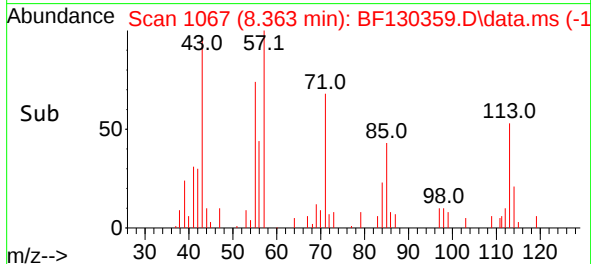
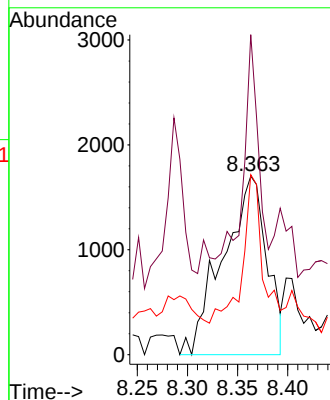
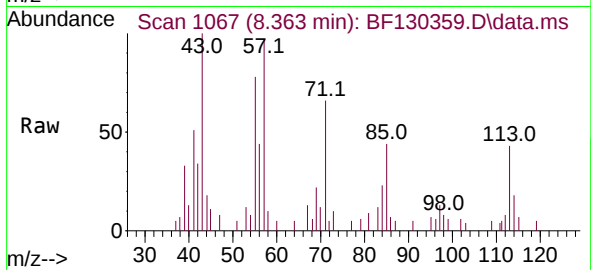




#35
 Caprolactam
 Concen: 2.650 ng
 RT: 8.363 min Scan# 1067
 Delta R.T. -0.041 min
 Lab File: BF130359.D
 Acq: 21 Sep 2022 13:49

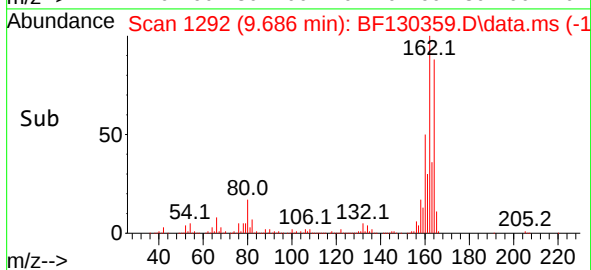
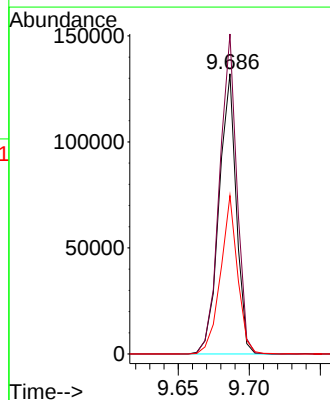
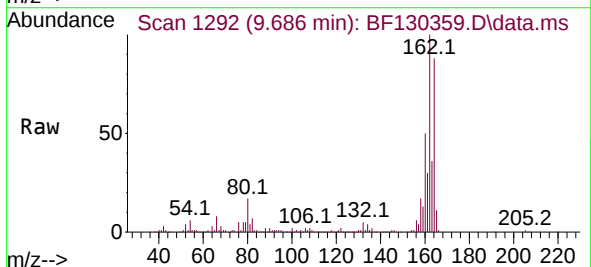
Instrument :
 BNA_F
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 WC-17-4-3RE

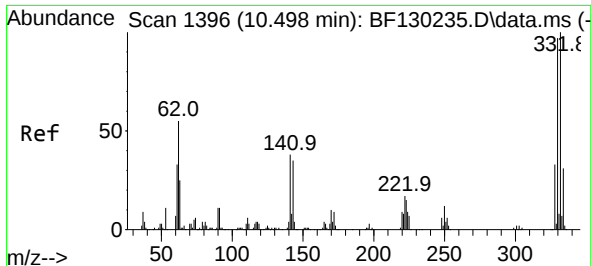
Tgt Ion:113 Resp: 5162
 Ion Ratio Lower Upper
 113 100
 55 179.3 155.4 195.4
 56 100.8 120.4 160.4#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.686 min Scan# 1292
 Delta R.T. -0.006 min
 Lab File: BF130359.D
 Acq: 21 Sep 2022 13:49

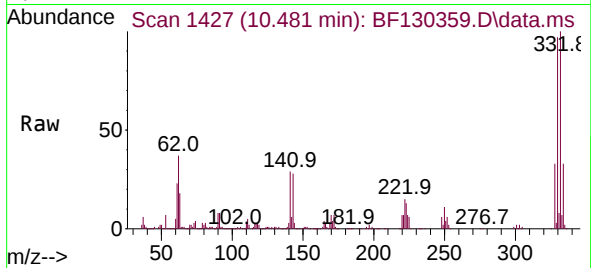
Tgt Ion:164 Resp: 111498
 Ion Ratio Lower Upper
 164 100
 162 114.2 81.4 122.0
 160 56.6 36.2 54.4#



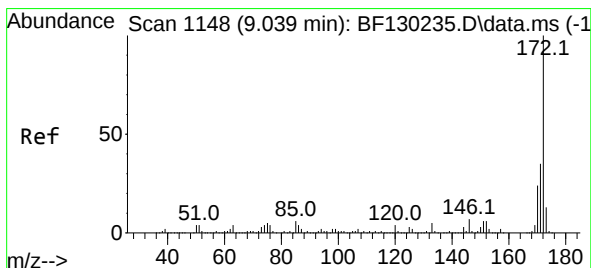
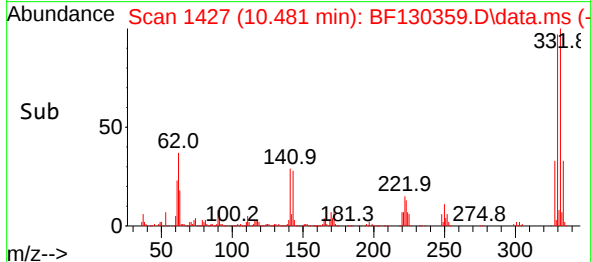
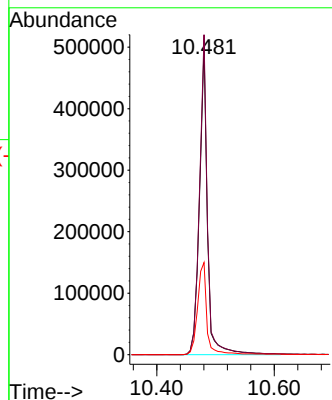


#42
2,4,6-Tribromophenol
Concen: 444.657 ng
RT: 10.481 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF130359.D
Acq: 21 Sep 2022 13:49

Instrument :
BNA_F
ClientSampleId :
WC-17-4-3RE

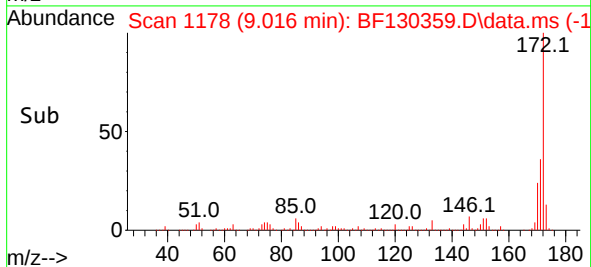
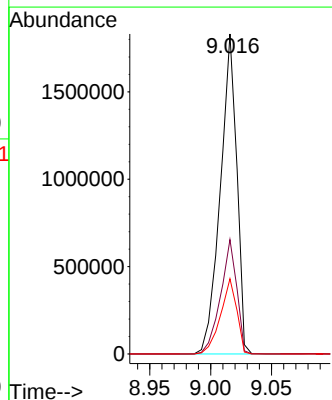
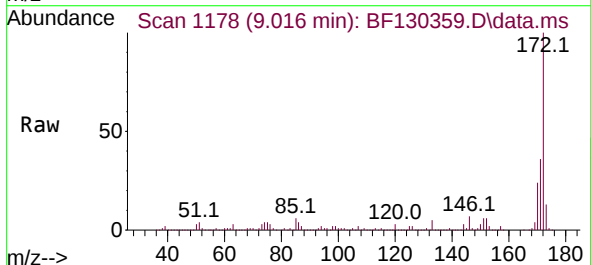


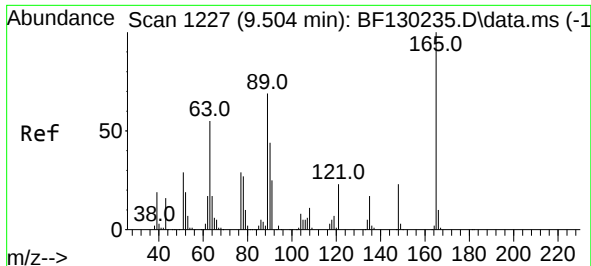
Tgt Ion:330 Resp: 475055
Ion Ratio Lower Upper
330 100
332 103.7 83.4 125.2
141 35.0 34.0 51.0



#45
2-Fluorobiphenyl
Concen: 224.992 ng
RT: 9.016 min Scan# 1178
Delta R.T. -0.006 min
Lab File: BF130359.D
Acq: 21 Sep 2022 13:49

Tgt Ion:172 Resp: 1722727
Ion Ratio Lower Upper
172 100
171 35.8 28.3 42.5
170 23.5 18.7 28.1

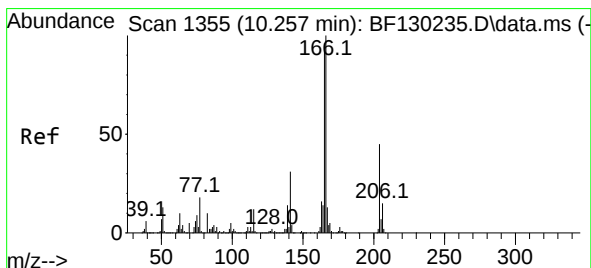
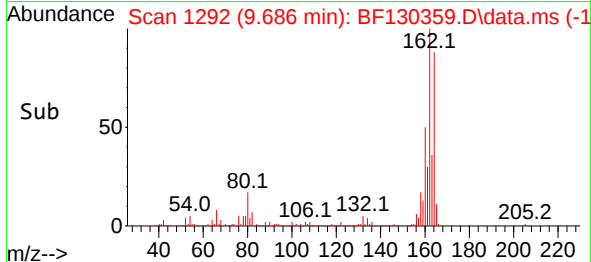
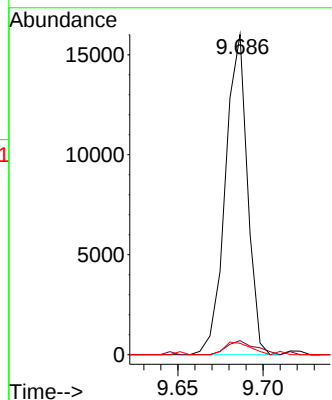
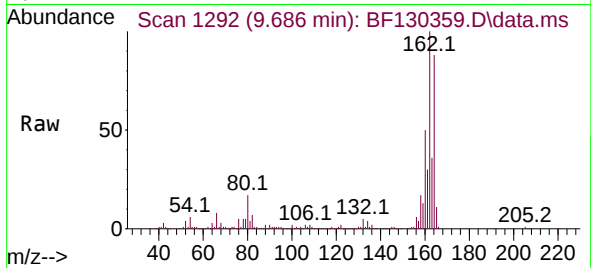




#51
2,6-Dinitrotoluene
Concen: 8.916 ng
RT: 9.686 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF130359.D
Acq: 21 Sep 2022 13:49

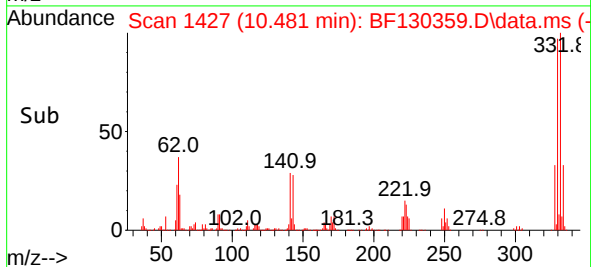
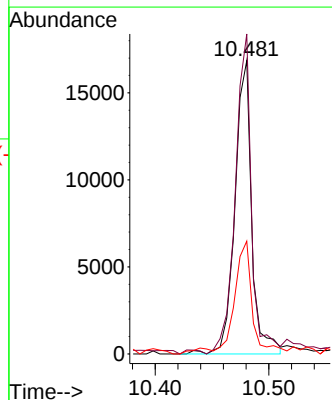
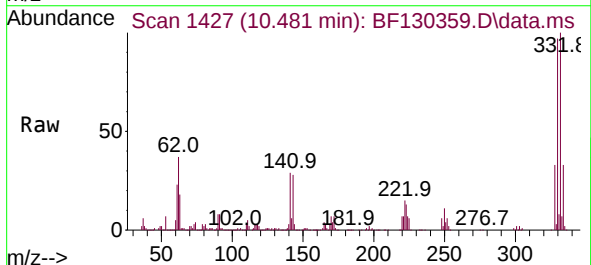
Instrument :
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ClientSampleId :
WC-17-4-3RE

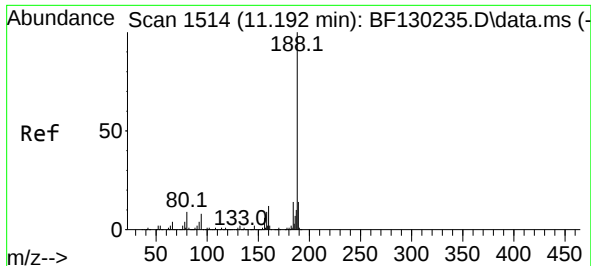
Tgt Ion:165 Resp: 14362
Ion Ratio Lower Upper
165 100
63 4.4 58.8 88.2#
89 3.5 54.5 81.7#



#58
Fluorene
Concen: 2.287 ng
RT: 10.481 min Scan# 1427
Delta R.T. 0.241 min
Lab File: BF130359.D
Acq: 21 Sep 2022 13:49

Tgt Ion:166 Resp: 17262
Ion Ratio Lower Upper
166 100
165 109.1 78.8 118.2
167 38.4 10.6 15.8#

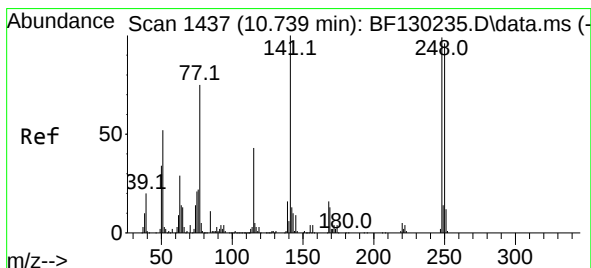
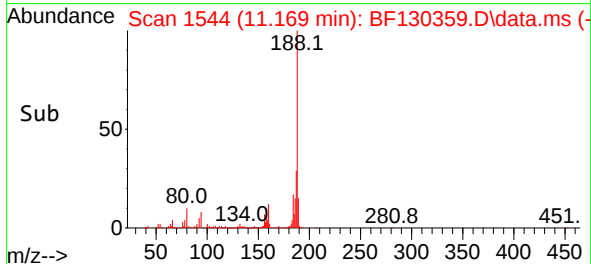
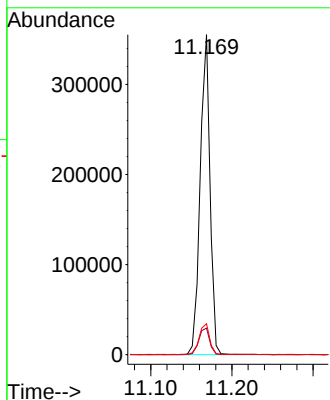
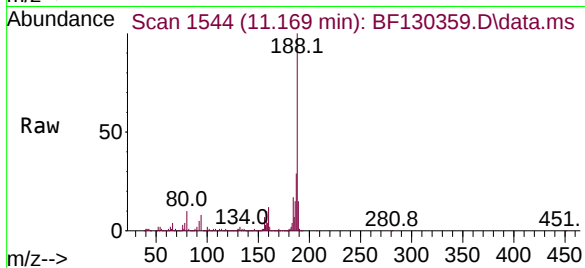




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130359.D
Acq: 21 Sep 2022 13:49

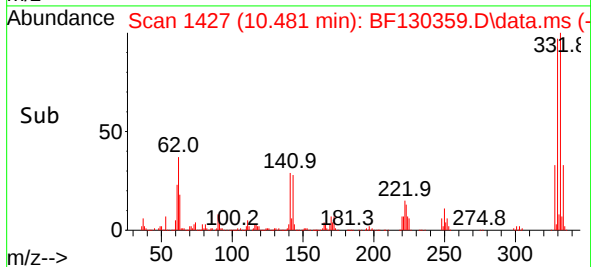
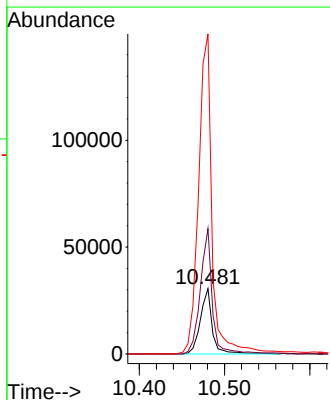
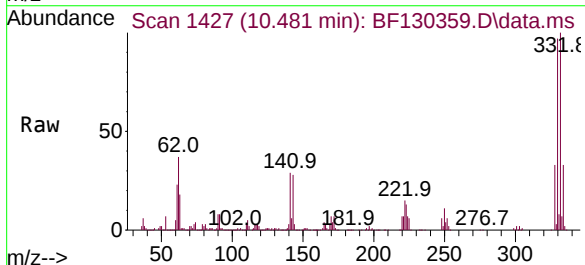
Instrument :
BNA_F
ClientSampleId :
WC-17-4-3RE

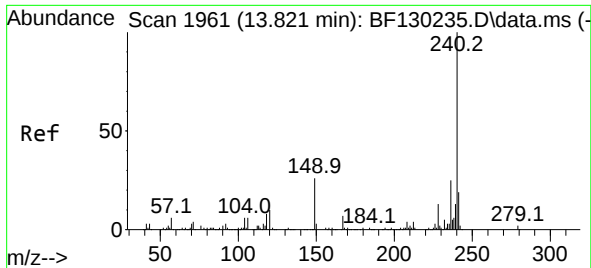
Tgt Ion:188 Resp: 299034
Ion Ratio Lower Upper
188 100
94 8.3 7.4 11.2
80 9.7 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 9.042 ng
RT: 10.481 min Scan# 1427
Delta R.T. -0.241 min
Lab File: BF130359.D
Acq: 21 Sep 2022 13:49

Tgt Ion:248 Resp: 29829
Ion Ratio Lower Upper
248 100
250 191.9 80.0 120.0#
141 489.9 68.5 102.7#

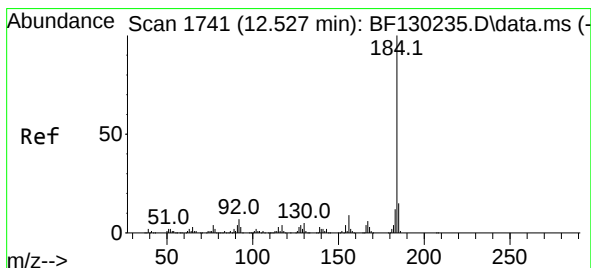
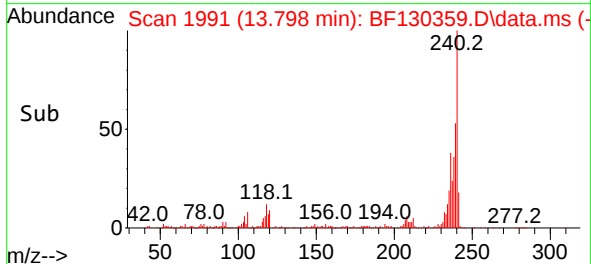
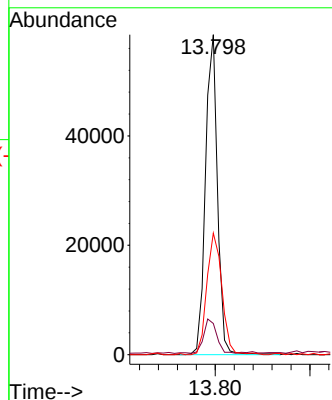
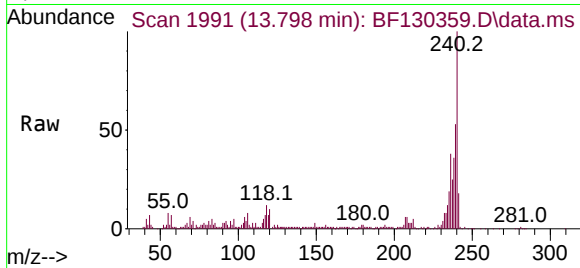




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.798 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF130359.D
Acq: 21 Sep 2022 13:49

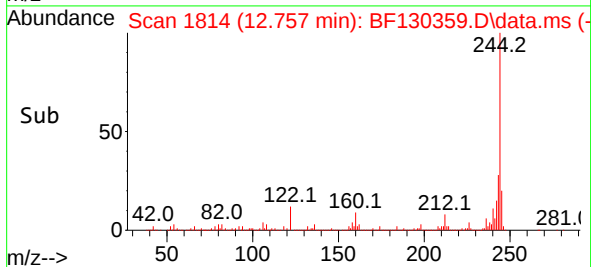
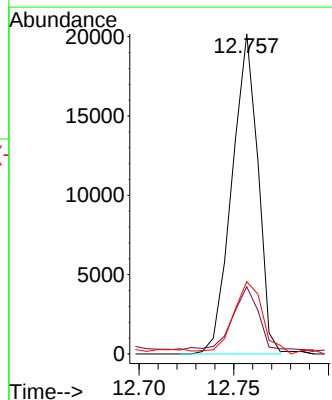
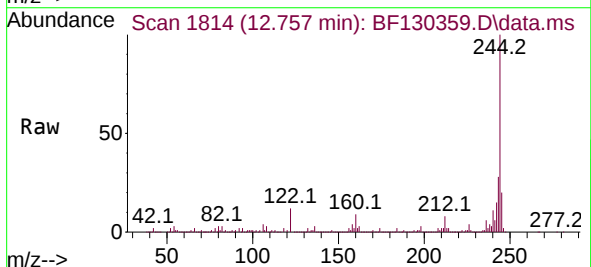
Instrument :
BNA_F
ClientSampleId :
WC-17-4-3RE

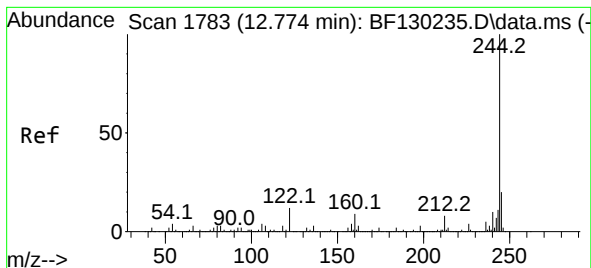
Tgt Ion:240 Resp: 51206
Ion Ratio Lower Upper
240 100
120 9.7 8.7 13.1
236 38.0 20.9 31.3#



#77
Benzidine
Concen: 12.906 ng
RT: 12.757 min Scan# 1814
Delta R.T. 0.247 min
Lab File: BF130359.D
Acq: 21 Sep 2022 13:49

Tgt Ion:184 Resp: 19184
Ion Ratio Lower Upper
184 100
185 21.0 11.8 17.6#
183 22.6 9.1 13.7#





#79

Terphenyl-d14

Concen: 362.911 ng

RT: 12.757 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF130359.D

Acq: 21 Sep 2022 13:49

Instrument :

BNA_F

ClientSampleId :

WC-17-4-3RE

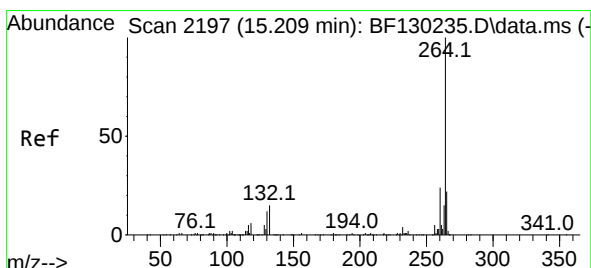
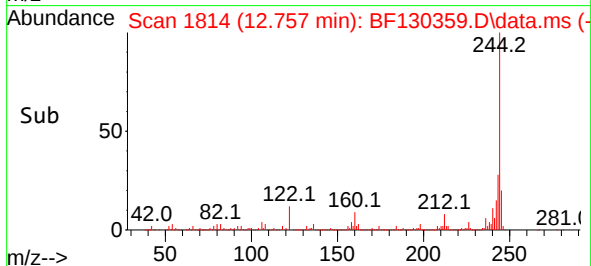
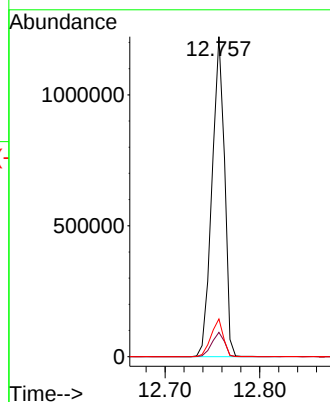
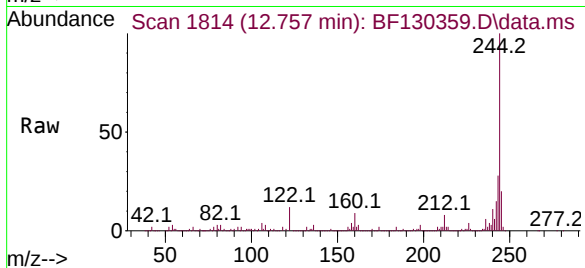
Tgt Ion:244 Resp: 1121843

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

122 11.8 8.5 12.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.186 min Scan# 2227

Delta R.T. 0.000 min

Lab File: BF130359.D

Acq: 21 Sep 2022 13:49

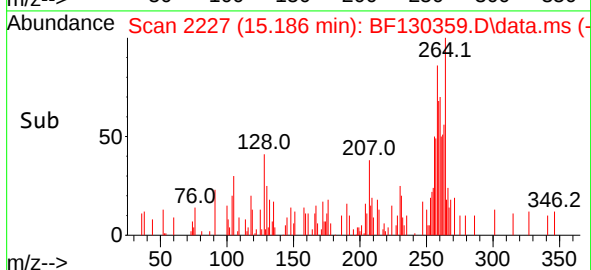
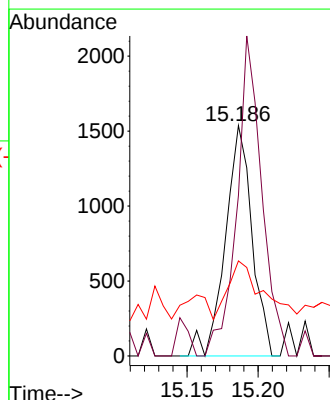
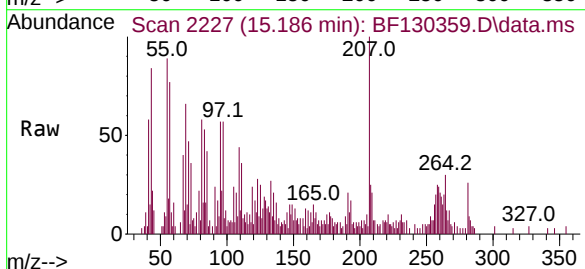
Tgt Ion:264 Resp: 2006

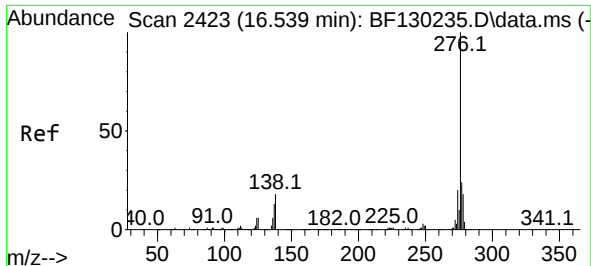
Ion Ratio Lower Upper

264 100

260 69.7 19.3 28.9#

265 41.2 17.0 25.4#

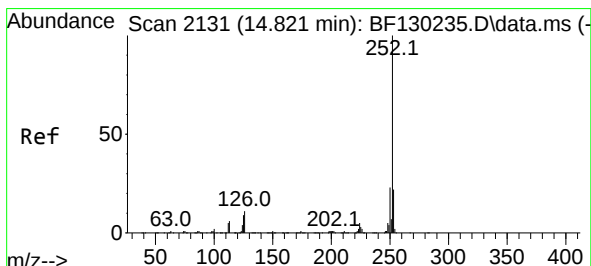
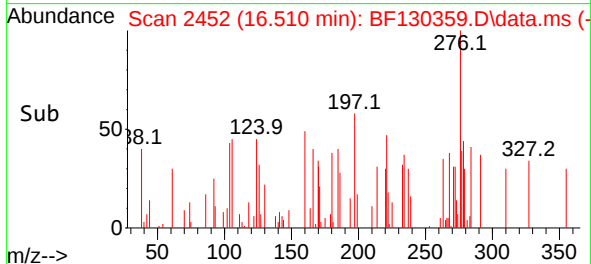
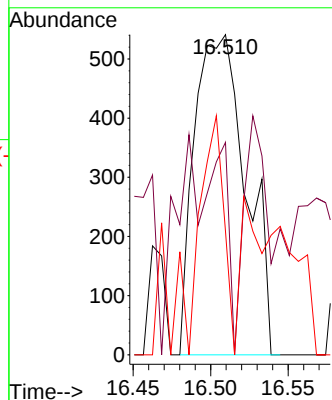
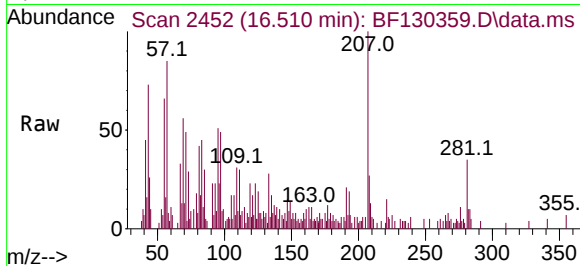




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.780 ng
 RT: 16.510 min Scan# 2423
 Delta R.T. 0.000 min
 Lab File: BF130359.D
 Acq: 21 Sep 2022 13:49

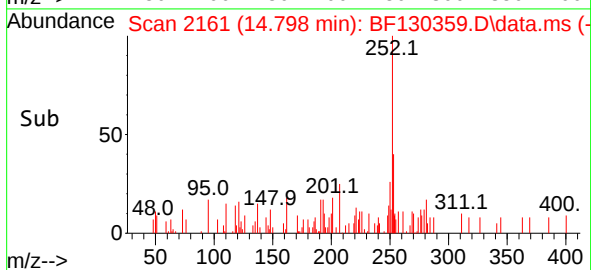
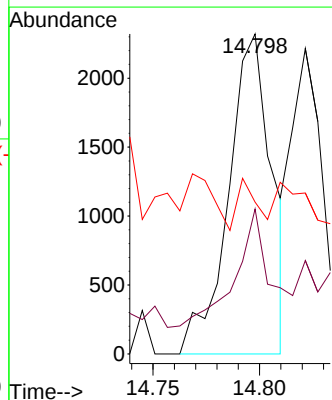
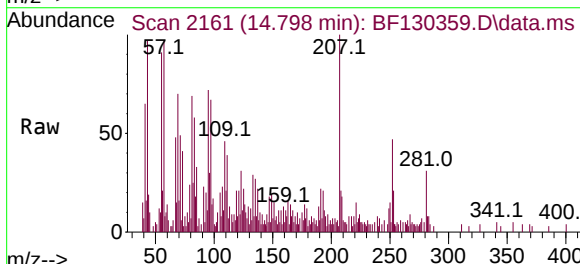
Instrument :
 BNA_F
 ClientSampleId :
 WC-17-4-3RE

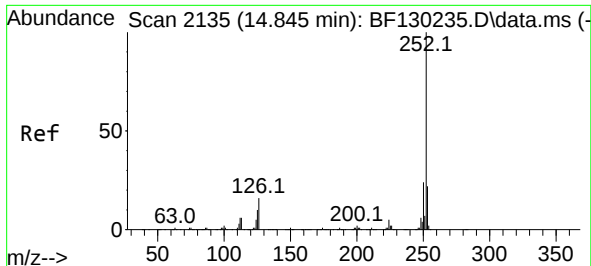
Tgt Ion:276 Resp: 1249
 Ion Ratio Lower Upper
 276 100
 138 0.0 18.5 27.7#
 277 33.2 20.2 30.4#



#88
 Benzo(b)fluoranthene
 Concen: 25.105 ng
 RT: 14.798 min Scan# 2161
 Delta R.T. 0.000 min
 Lab File: BF130359.D
 Acq: 21 Sep 2022 13:49

Tgt Ion:252 Resp: 3287
 Ion Ratio Lower Upper
 252 100
 253 45.3 17.7 26.5#
 125 47.4 8.1 12.1#





#89

Benzo(k)fluoranthene

Concen: 13.401 ng

RT: 14.821 min Scan# 2135

Delta R.T. -0.006 min

Lab File: BF130359.D

Acq: 21 Sep 2022 13:49

Instrument :

BNA_F

ClientSampleId :

WC-17-4-3RE

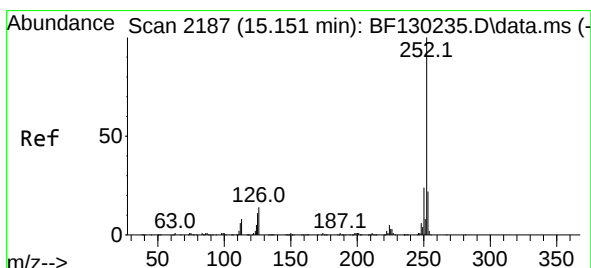
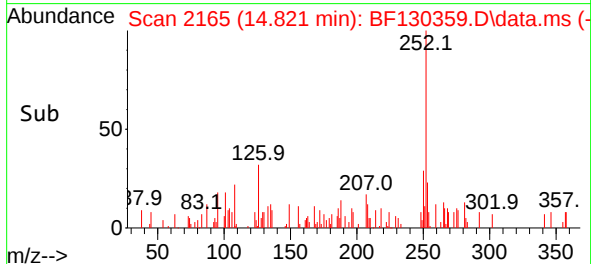
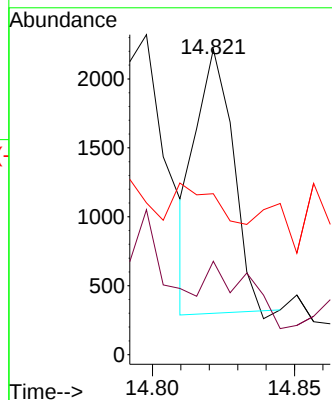
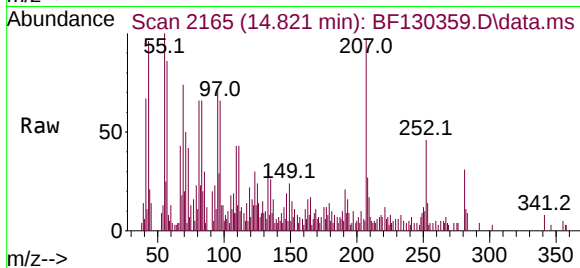
Tgt Ion:252 Resp: 1726

Ion Ratio Lower Upper

252 100

253 30.6 17.4 26.2#

125 52.7 7.9 11.9#



#90

Benzo(a)pyrene

Concen: 29.192 ng

RT: 15.127 min Scan# 2217

Delta R.T. -0.006 min

Lab File: BF130359.D

Acq: 21 Sep 2022 13:49

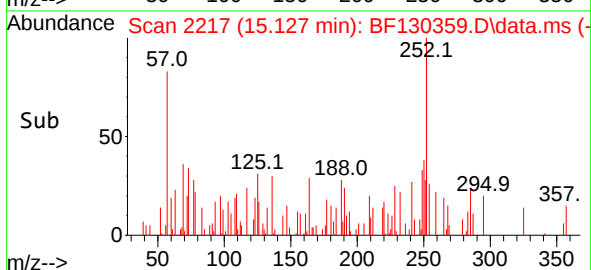
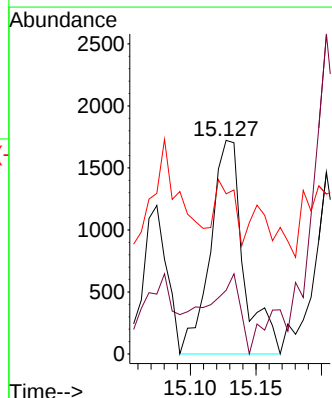
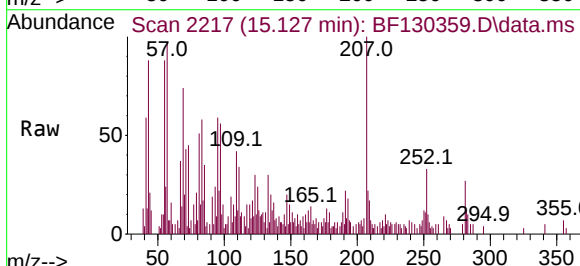
Tgt Ion:252 Resp: 3028

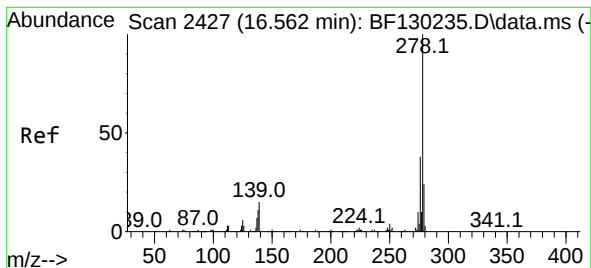
Ion Ratio Lower Upper

252 100

253 29.8 17.8 26.6#

125 75.0 9.0 13.6#





#91

Dibenzo(a,h)anthracene

Concen: 8.698 ng

RT: 16.521 min Scan# 2427

Delta R.T. -0.006 min

Lab File: BF130359.D

Acq: 21 Sep 2022 13:49

Instrument :

BNA_F

ClientSampleId :

WC-17-4-3RE

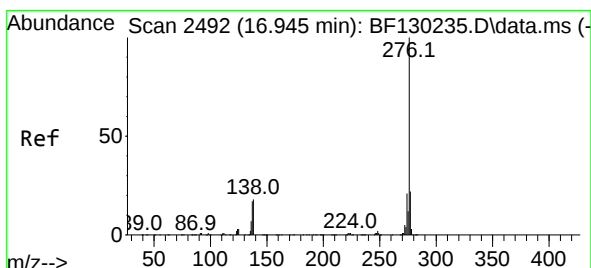
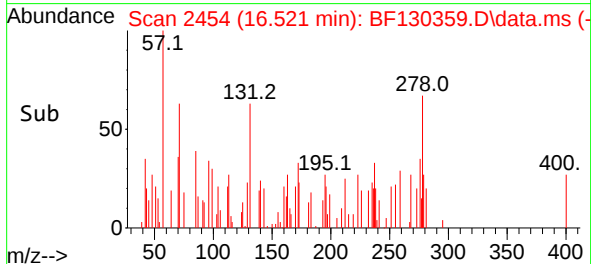
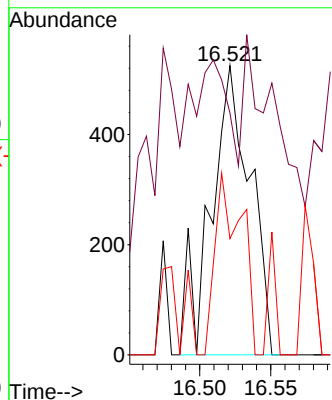
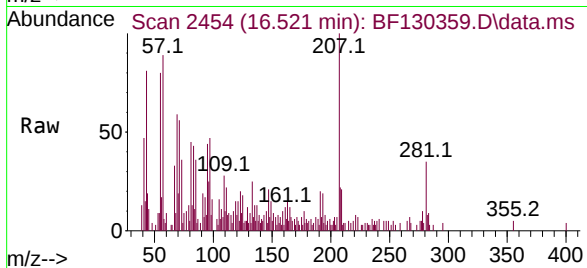
Tgt Ion:278 Resp: 1015

Ion Ratio Lower Upper

278 100

139 83.6 11.8 17.8#

279 40.2 19.4 29.0#



#92

Benzo(g,h,i)perylene

Concen: 12.335 ng

RT: 16.898 min Scan# 2518

Delta R.T. -0.012 min

Lab File: BF130359.D

Acq: 21 Sep 2022 13:49

Tgt Ion:276 Resp: 1450

Ion Ratio Lower Upper

276 100

277 0.0 18.6 27.8#

138 53.3 14.6 21.8#

