

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011323\
 Data File : BF132070.D
 Acq On : 13 Jan 2023 21:04
 Operator : CG\JU
 Sample : 01140-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

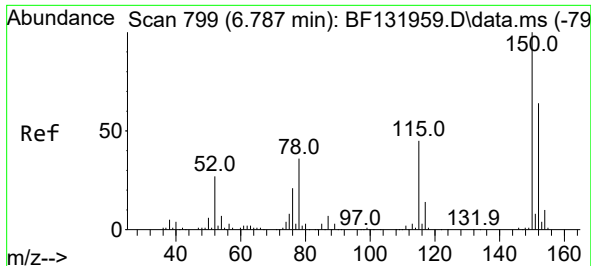
Instrument :
 BNA_F
 ClientSampleId :
 MH-5

Quant Time: Jan 16 01:19:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 12 23:59:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	79460	20.000	ng	0.00
21) Naphthalene-d8	8.057	136	291648	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	169109	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	311359	20.000	ng	0.00
76) Chrysene-d12	13.957	240	155527	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	182610	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	423597	87.842	ng	0.01
7) Phenol-d6	6.422	99	557040	87.123	ng	0.00
23) Nitrobenzene-d5	7.345	82	389151	55.379	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	141854	72.956	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	660346	52.714	ng	0.00
79) Terphenyl-d14	12.904	244	648813	59.792	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	54926	11.876	ng	# 75
25) Isophorone	7.345	82	389149	29.643	ng	# 69
51) 2,6-Dinitrotoluene	9.822	165	21833	7.875	ng	# 23
57) 2,4-Dinitrotoluene	9.822	165	21833	5.890	ng	# 14
63) Azobenzene	10.539	77	69289	5.039	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	9415	2.417	ng	# 1
77) Benzidine	12.898	184	10462	2.025	ng	# 92
92) Benzo(g,h,i)perylene	17.333	276	59	3.530	ng	# 58

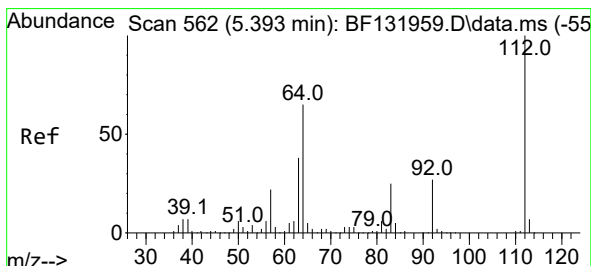
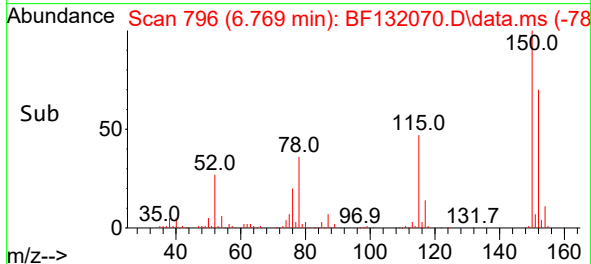
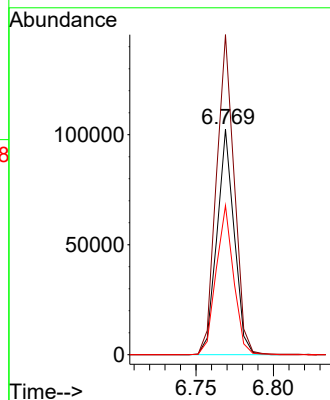
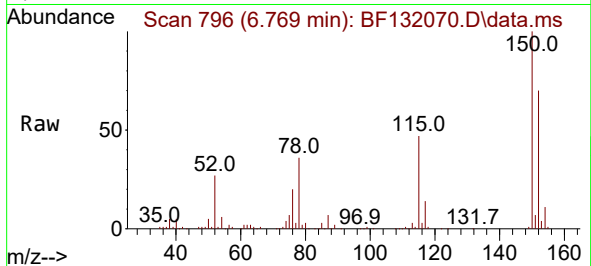
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 799
Delta R.T. -0.006 min
Lab File: BF132070.D
Acq: 13 Jan 2023 21:04

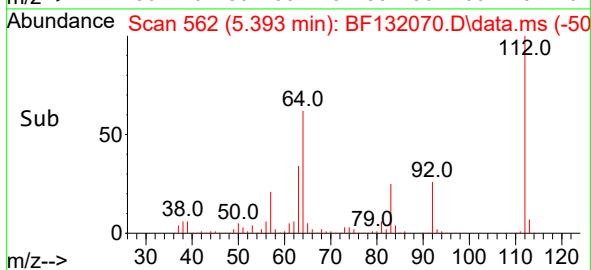
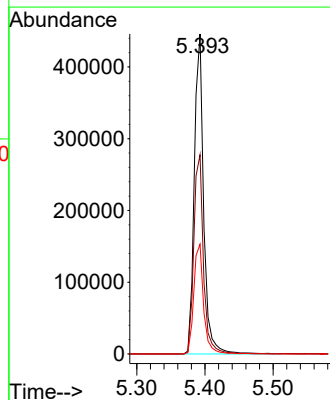
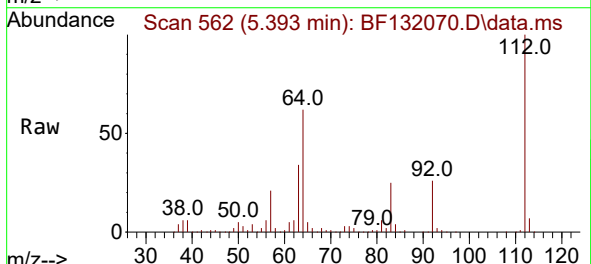
Instrument :
BNA_F
ClientSampleId :
MH-5

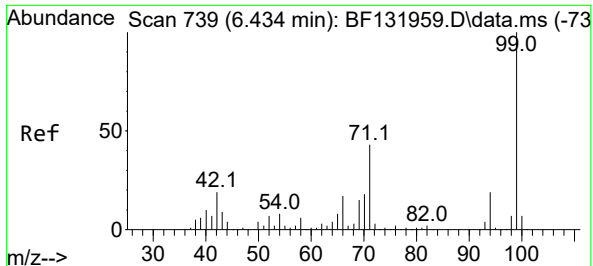
Tgt Ion:152 Resp: 79460
Ion Ratio Lower Upper
152 100
150 141.9 124.6 186.8
115 66.2 55.6 83.4



#5
2-Fluorophenol
Concen: 87.842 ng
RT: 5.393 min Scan# 562
Delta R.T. 0.012 min
Lab File: BF132070.D
Acq: 13 Jan 2023 21:04

Tgt Ion:112 Resp: 423597
Ion Ratio Lower Upper
112 100
64 62.3 51.9 77.9
63 34.3 30.2 45.2

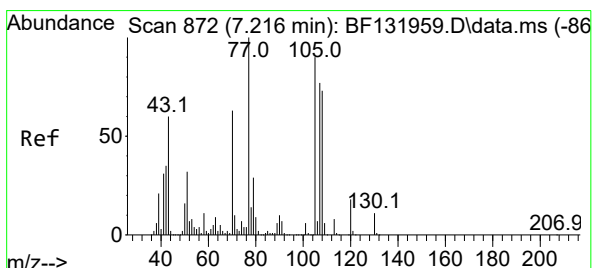
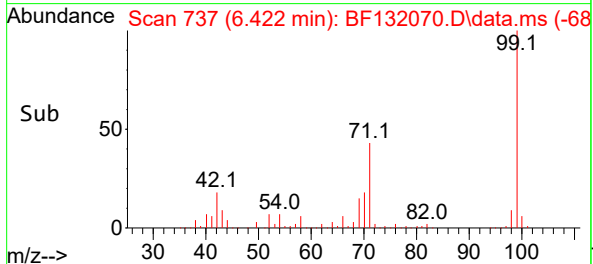
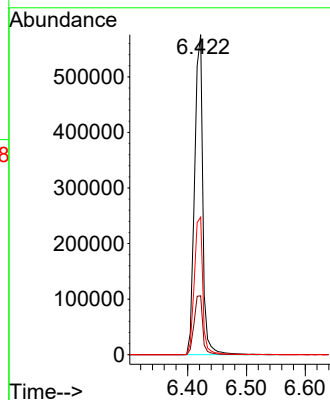
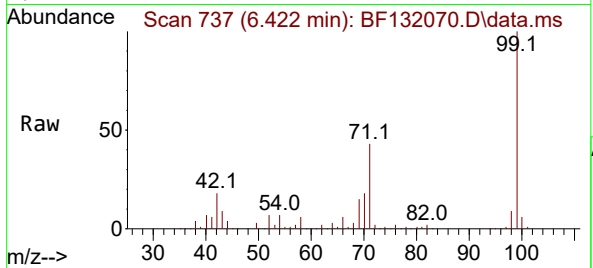




#7
Phenol-d6
Concen: 87.123 ng
RT: 6.422 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF132070.D
Acq: 13 Jan 2023 21:04

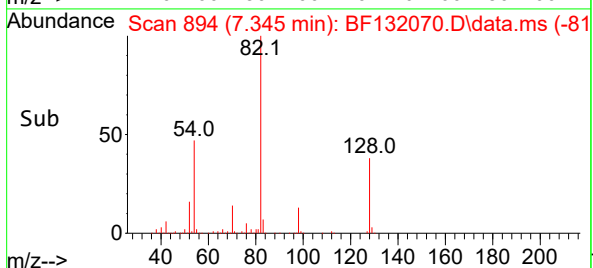
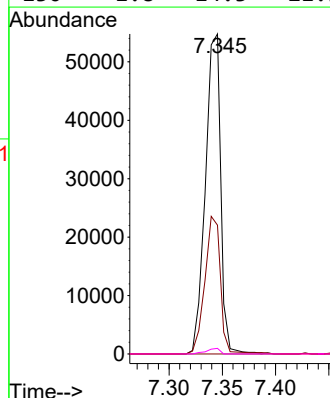
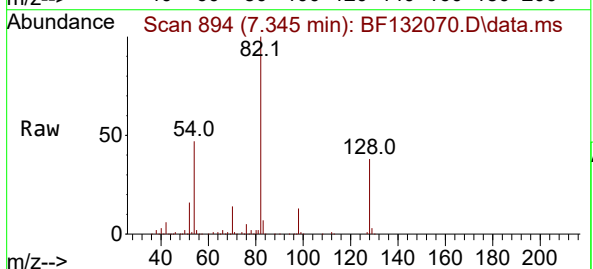
Instrument :
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ClientSampleId :
MH-5

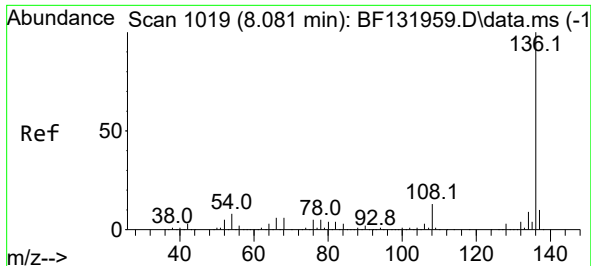
Tgt Ion: 99 Resp: 557040
Ion Ratio Lower Upper
99 100
42 18.4 15.4 23.2
71 43.0 34.6 51.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.876 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.147 min
Lab File: BF132070.D
Acq: 13 Jan 2023 21:04

Tgt Ion: 70 Resp: 54926
Ion Ratio Lower Upper
70 100
42 40.2 44.3 66.5#
101 0.0 7.5 11.3#
130 1.8 14.3 21.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.057 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BF132070.D

Acq: 13 Jan 2023 21:04

Instrument :

BNA_F

ClientSampleId :

MH-5

Tgt Ion:136 Resp: 291648

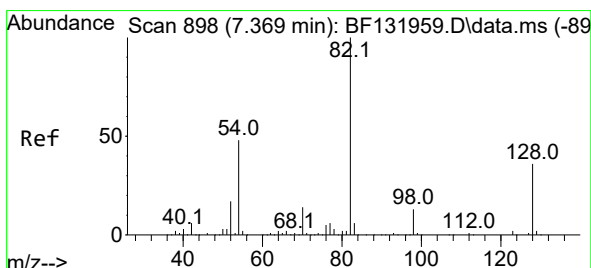
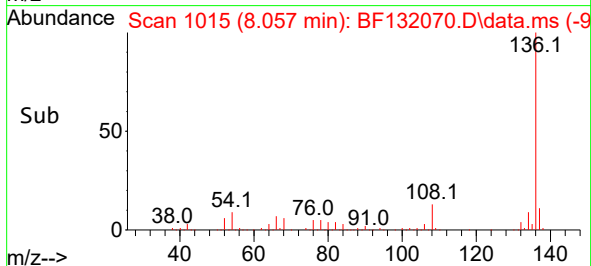
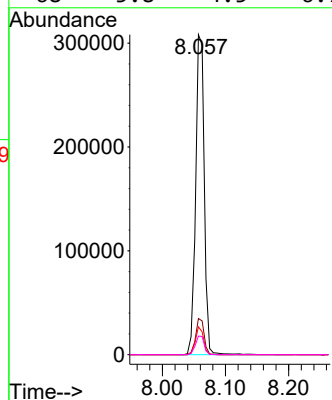
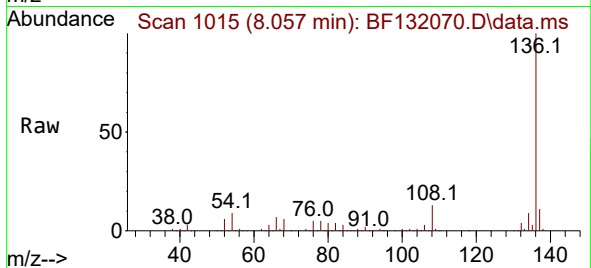
Ion Ratio Lower Upper

136 100

137 11.3 8.2 12.2

54 8.7 6.6 9.8

68 5.8 4.5 6.7



#23

Nitrobenzene-d5

Concen: 55.379 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF132070.D

Acq: 13 Jan 2023 21:04

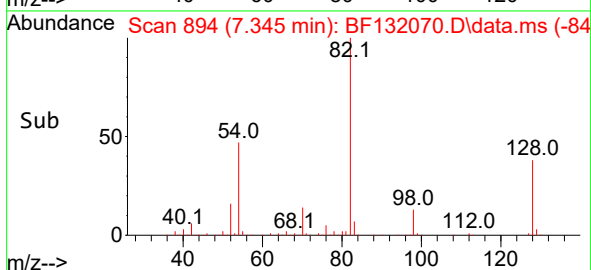
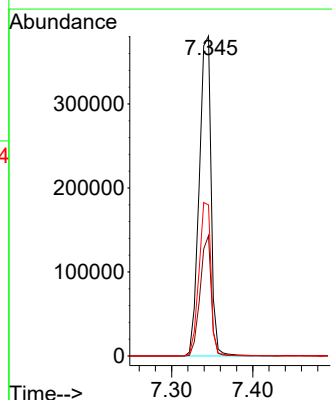
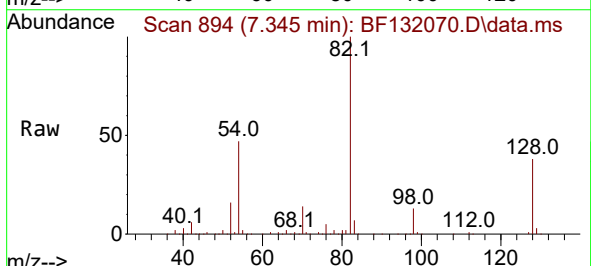
Tgt Ion: 82 Resp: 389151

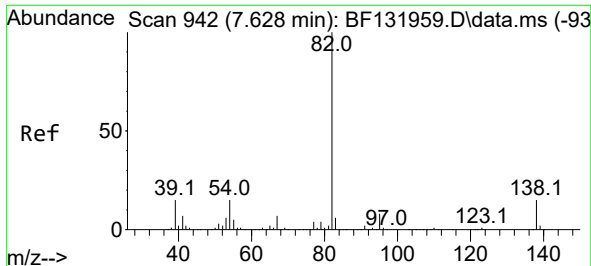
Ion Ratio Lower Upper

82 100

128 37.6 28.7 43.1

54 47.2 38.1 57.1

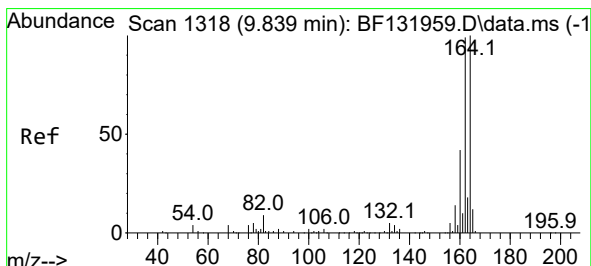
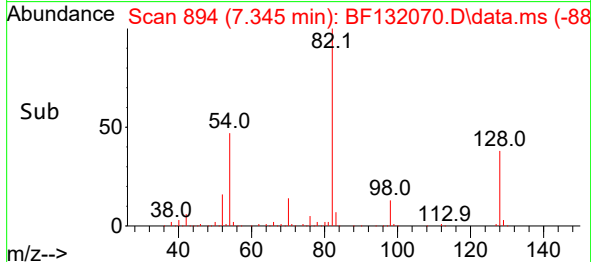
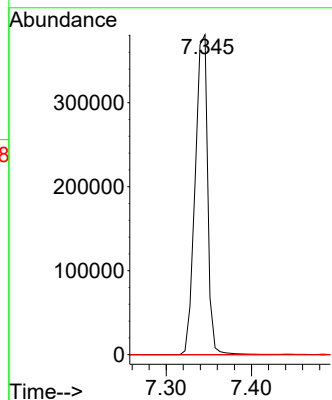
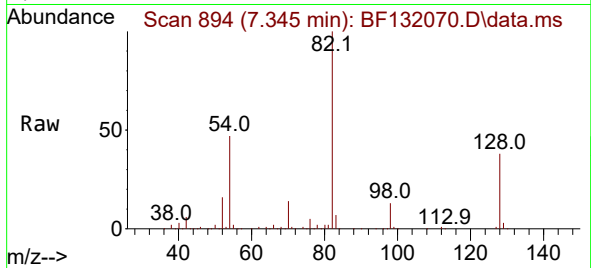




#25
Isophorone
Concen: 29.643 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.265 min
Lab File: BF132070.D
Acq: 13 Jan 2023 21:04

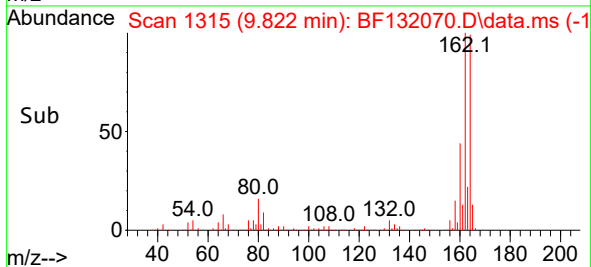
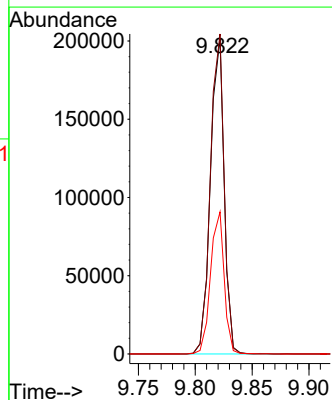
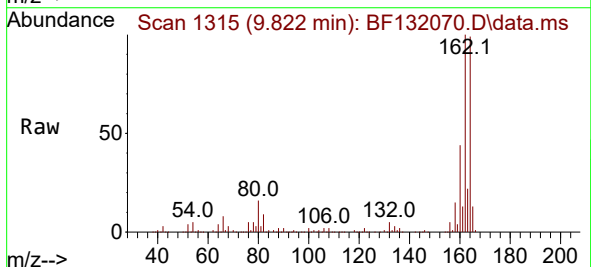
Instrument :
BNA_F
ClientSampleId :
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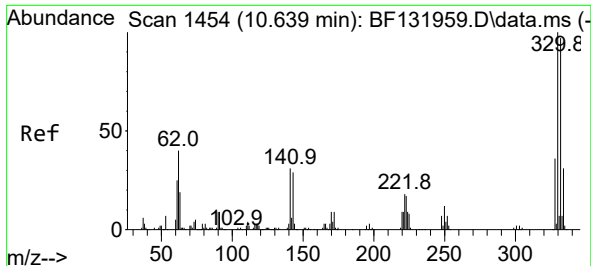
Tgt Ion: 82 Resp: 389149
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 11.9 17.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF132070.D
Acq: 13 Jan 2023 21:04

Tgt Ion:164 Resp: 169109
Ion Ratio Lower Upper
164 100
162 101.3 79.4 119.0
160 45.0 33.9 50.9





#42

2,4,6-Tribromophenol

Concen: 72.956 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF132070.D

Acq: 13 Jan 2023 21:04

Instrument :

BNA_F

ClientSampleId :

MH-5

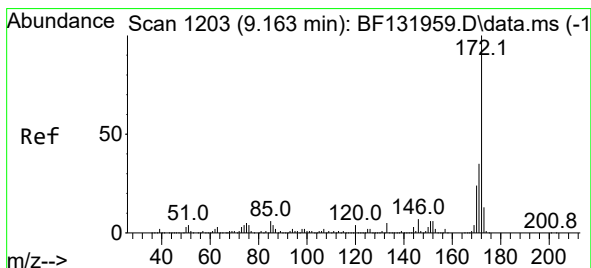
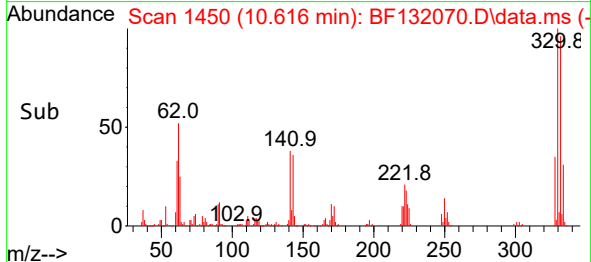
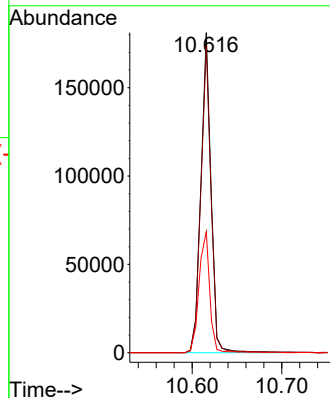
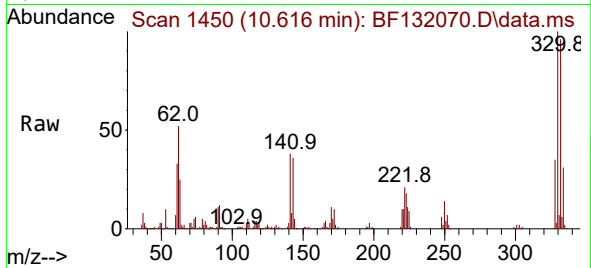
Tgt Ion:330 Resp: 141854

Ion Ratio Lower Upper

330 100

332 95.9 76.9 115.3

141 40.2 31.3 46.9



#45

2-Fluorobiphenyl

Concen: 52.714 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF132070.D

Acq: 13 Jan 2023 21:04

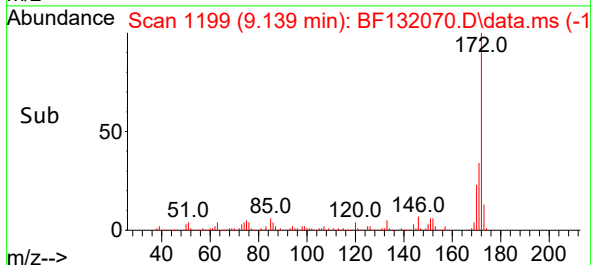
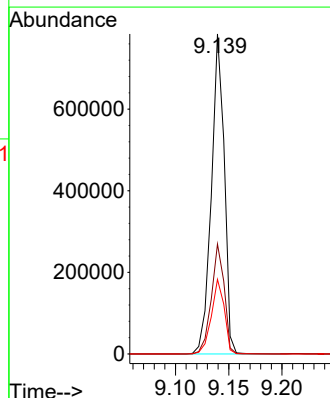
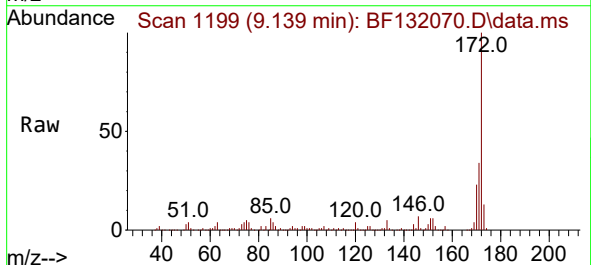
Tgt Ion:172 Resp: 660346

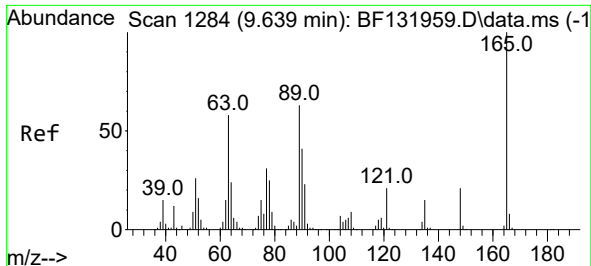
Ion Ratio Lower Upper

172 100

171 34.4 28.0 42.0

170 23.3 18.9 28.3

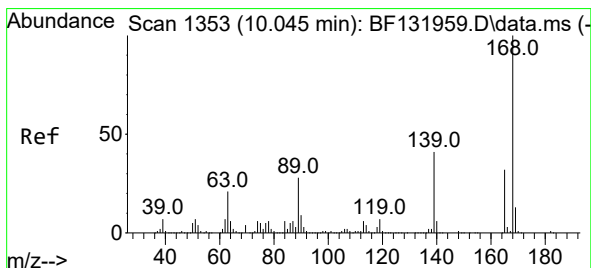
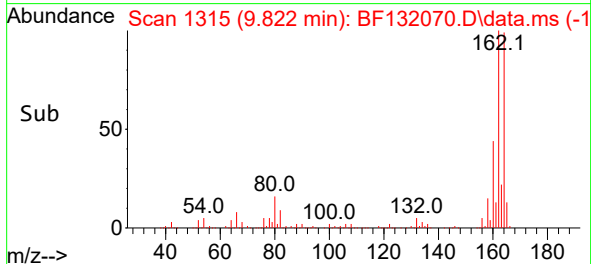
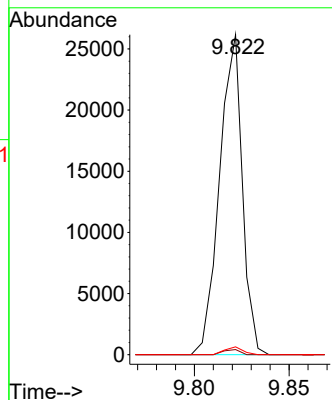
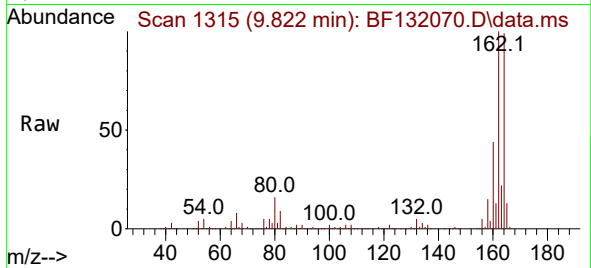




#51
2,6-Dinitrotoluene
Concen: 7.875 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF132070.D
Acq: 13 Jan 2023 21:04

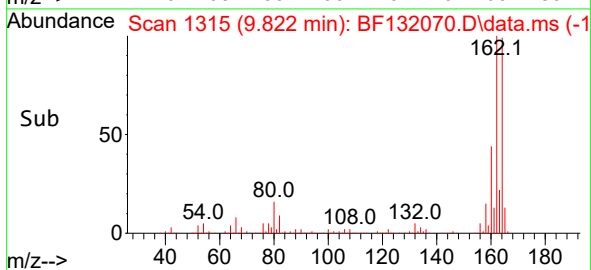
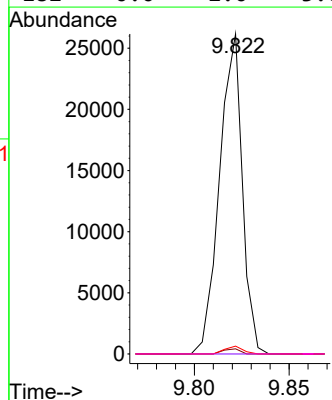
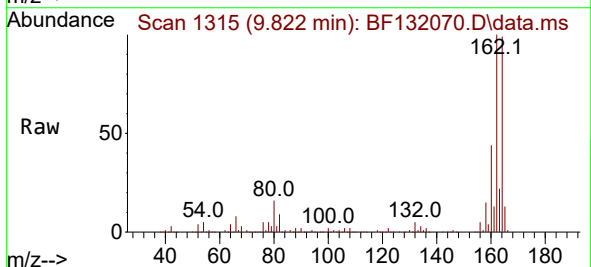
Instrument :
BNA_F
ClientSampleId :
MH-5

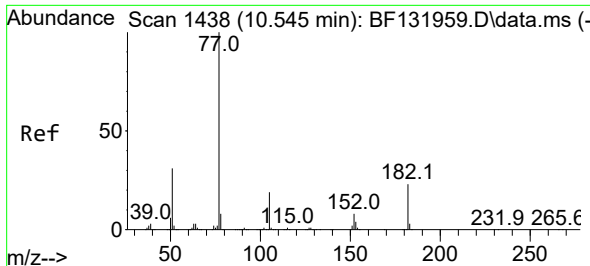
Tgt Ion:165 Resp: 21833
Ion Ratio Lower Upper
165 100
63 1.6 47.4 71.0#
89 2.4 50.2 75.2#



#57
2,4-Dinitrotoluene
Concen: 5.890 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.206 min
Lab File: BF132070.D
Acq: 13 Jan 2023 21:04

Tgt Ion:165 Resp: 21833
Ion Ratio Lower Upper
165 100
63 1.6 53.2 79.8#
89 2.4 71.2 106.8#
182 0.0 2.0 3.0#

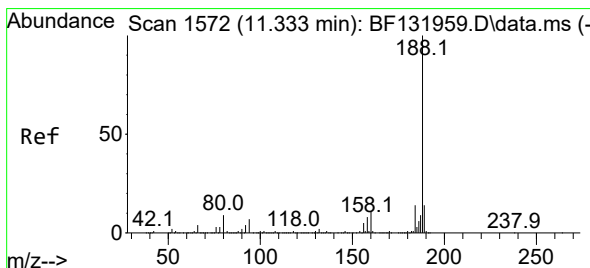
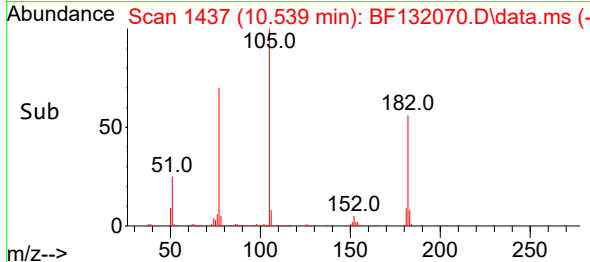
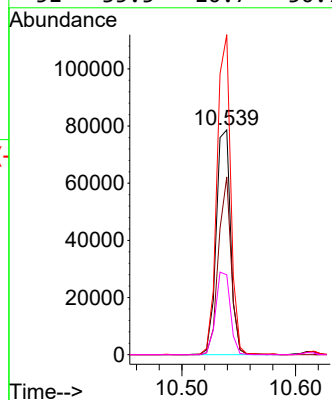
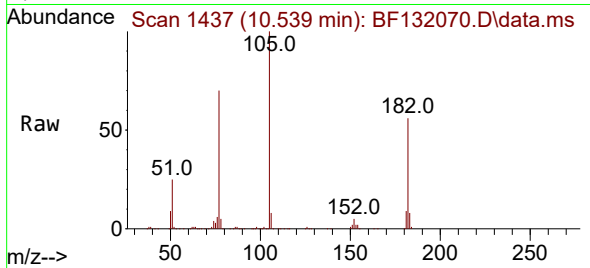




#63
Azobenzene
Concen: 5.039 ng
RT: 10.539 min Scan# 1438
Delta R.T. 0.012 min
Lab File: BF132070.D
Acq: 13 Jan 2023 21:04

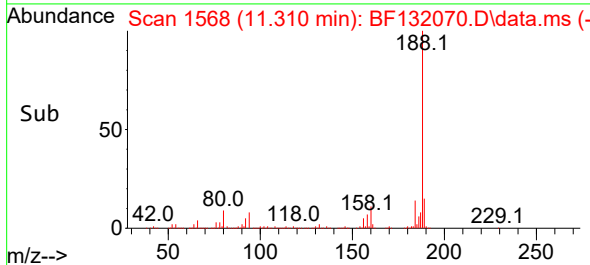
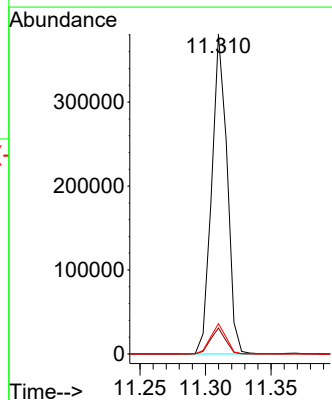
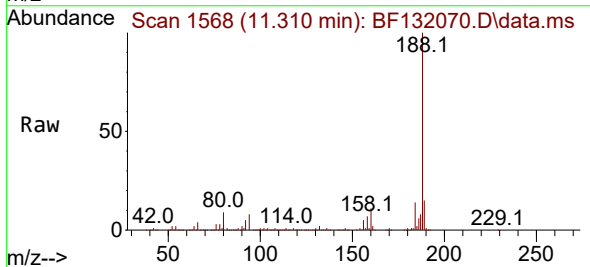
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BNA_F
ClientSampleId :
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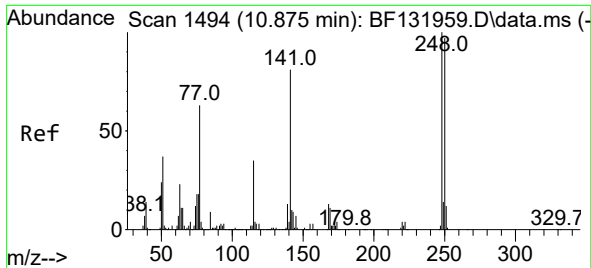
Tgt Ion: 77	Resp: 69289
Ion Ratio	Lower Upper
77 100	
182 79.1	2.9 42.9#
105 142.4	0.0 39.3#
51 35.5	10.7 50.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF132070.D
Acq: 13 Jan 2023 21:04

Tgt Ion: 188	Resp: 311359
Ion Ratio	Lower Upper
188 100	
94 8.1	5.8 8.6
80 9.5	7.4 11.0

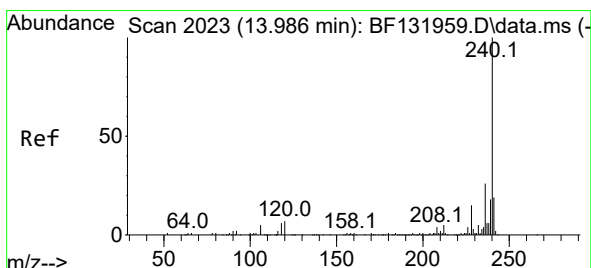
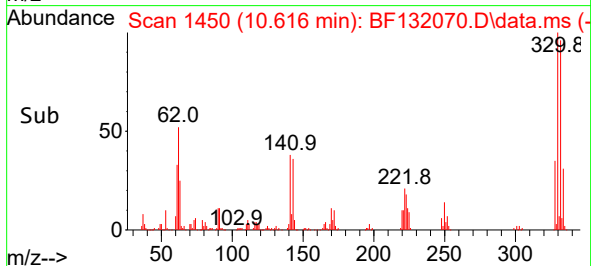
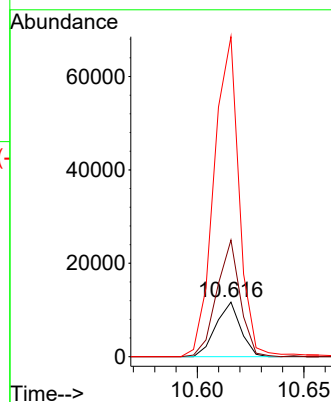
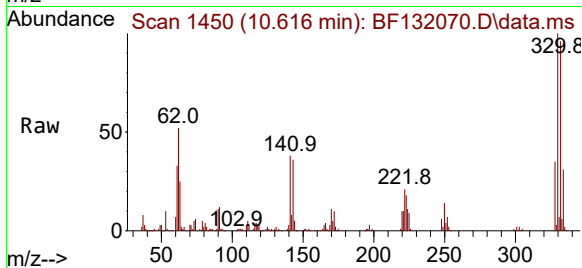




#67
4-Bromophenyl-phenylether
Concen: 2.417 ng
RT: 10.616 min Scan# 1494
Delta R.T. -0.241 min
Lab File: BF132070.D
Acq: 13 Jan 2023 21:04

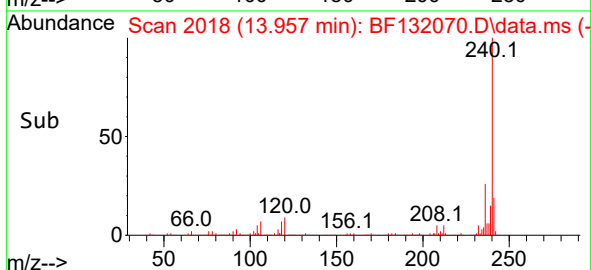
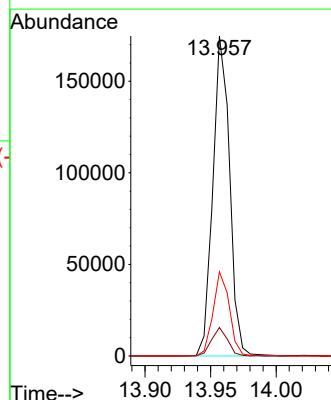
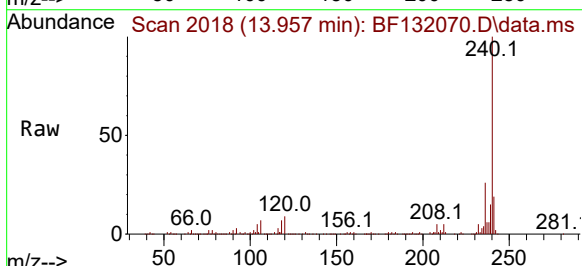
Instrument :
BNA_F
ClientSampleId :
MH-5

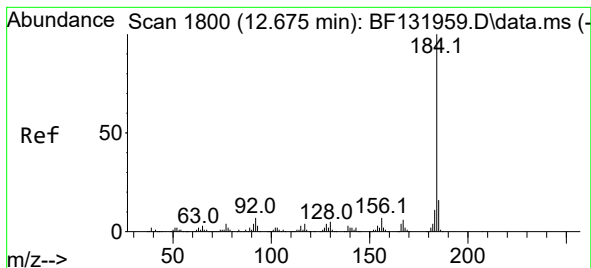
Tgt Ion:248 Resp: 9415
Ion Ratio Lower Upper
248 100
250 214.0 77.4 116.2#
141 587.3 65.0 97.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF132070.D
Acq: 13 Jan 2023 21:04

Tgt Ion:240 Resp: 155527
Ion Ratio Lower Upper
240 100
120 8.9 5.4 8.0#
236 26.3 21.1 31.7





#77

Benzidine

Concen: 2.025 ng

RT: 12.898 min Scan# 1838

Delta R.T. 0.241 min

Lab File: BF132070.D

Acq: 13 Jan 2023 21:04

Instrument :

BNA_F

ClientSampleId :

MH-5

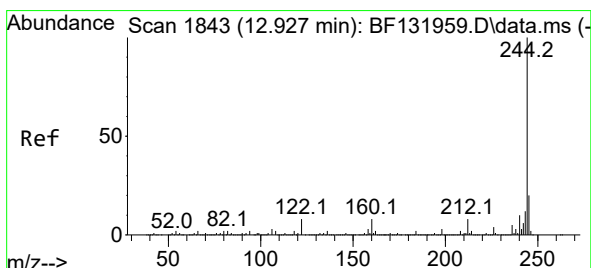
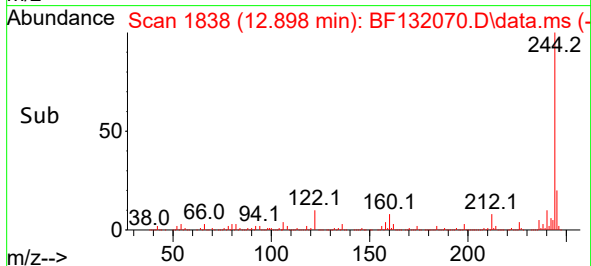
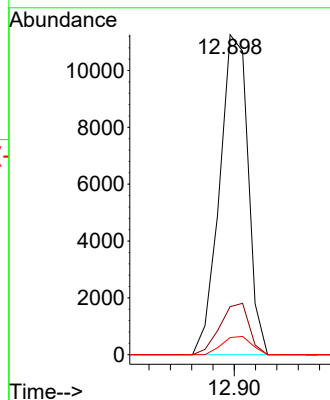
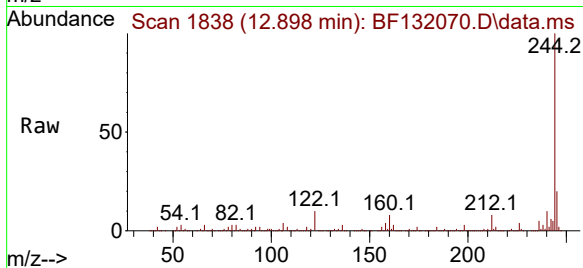
Tgt Ion:184 Resp: 10462

Ion Ratio Lower Upper

184 100

185 15.0 12.8 19.2

183 5.4 9.0 13.4#



#79

Terphenyl-d14

Concen: 59.792 ng

RT: 12.904 min Scan# 1839

Delta R.T. 0.000 min

Lab File: BF132070.D

Acq: 13 Jan 2023 21:04

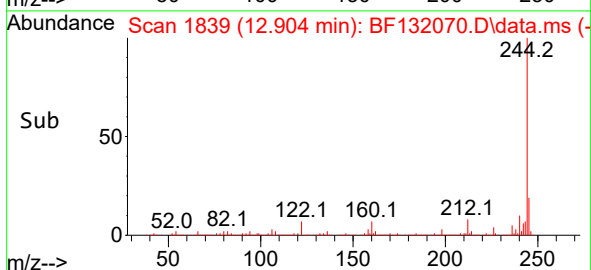
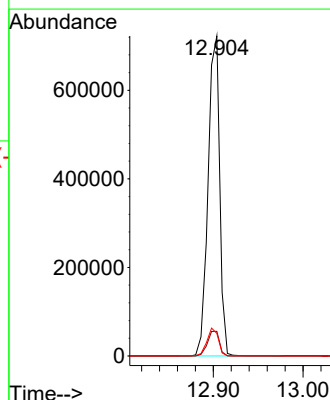
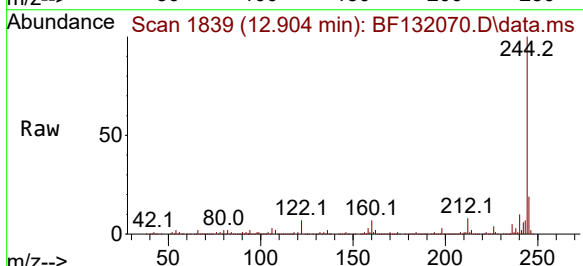
Tgt Ion:244 Resp: 648813

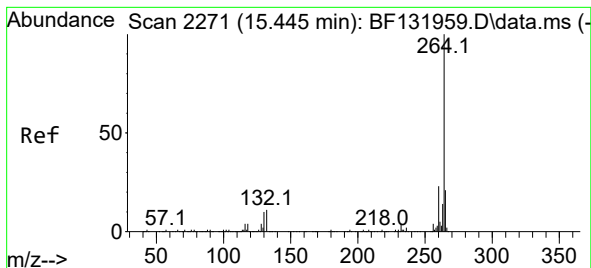
Ion Ratio Lower Upper

244 100

212 7.7 6.3 9.5

122 7.0 6.8 10.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF132070.D

Acq: 13 Jan 2023 21:04

Instrument :

BNA_F

ClientSampleId :

MH-5

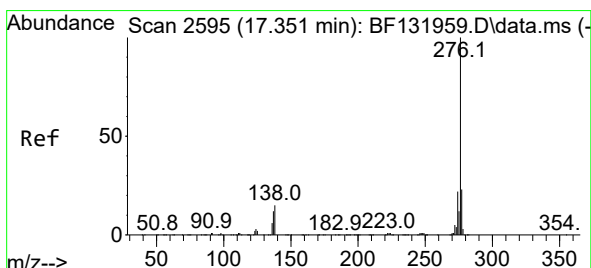
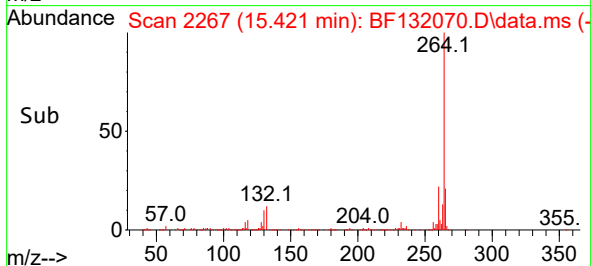
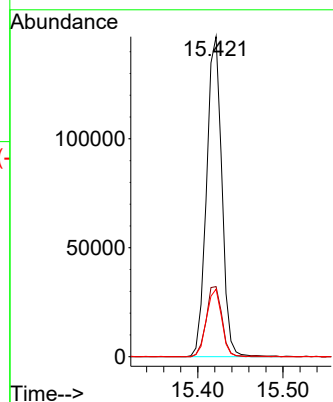
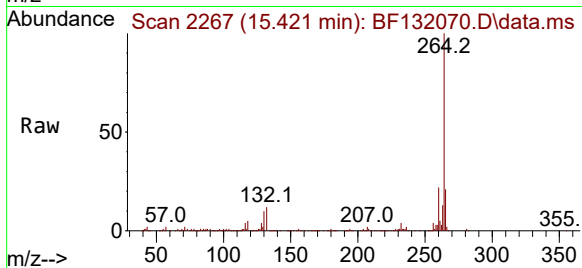
Tgt Ion:264 Resp: 182610

Ion Ratio Lower Upper

264 100

260 21.9 18.3 27.5

265 21.1 16.9 25.3



#92

Benzo(g,h,i)perylene

Concen: 3.530 ng

RT: 17.333 min Scan# 2592

Delta R.T. 0.018 min

Lab File: BF132070.D

Acq: 13 Jan 2023 21:04

Tgt Ion:276 Resp: 59

Ion Ratio Lower Upper

276 100

277 0.0 18.2 27.2#

138 0.0 11.7 17.5#

