

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101222\
 Data File : BF130634.D
 Acq On : 12 Oct 2022 17:27
 Operator : CG\JU
 Sample : N5066-17
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C6(5-6)

Quant Time: Oct 13 05:45:59 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 12 06:52:52 2022
 Response via : Initial Calibration

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

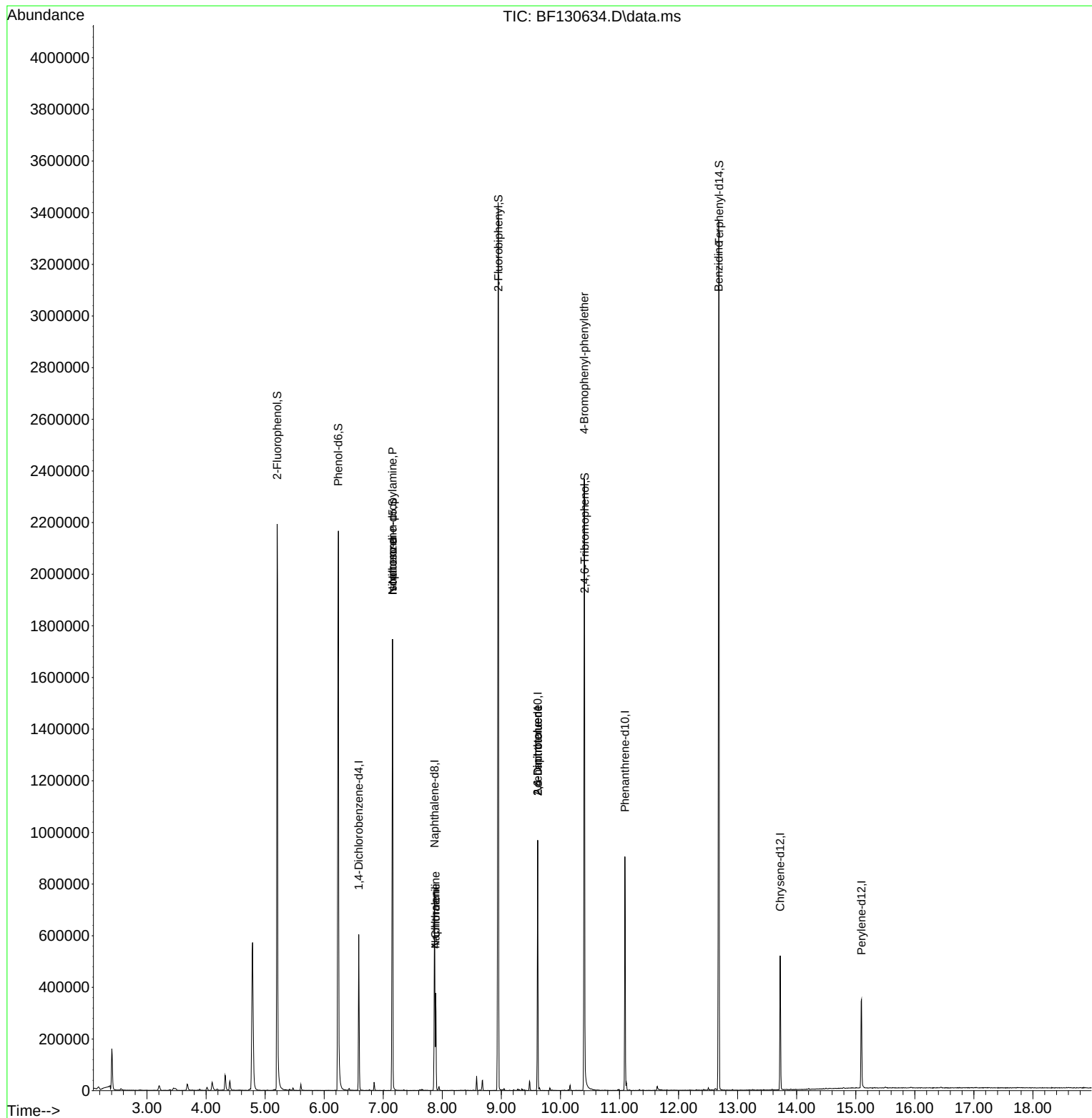
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.586	152	82151	20.000	ng	0.00
21) Naphthalene-d8	7.869	136	318843	20.000	ng	0.00
39) Acenaphthene-d10	9.616	164	175387	20.000	ng	0.00
64) Phenanthrene-d10	11.092	188	299030	20.000	ng	0.00
76) Chrysene-d12	13.721	240	157999	20.000	ng	0.00
86) Perylene-d12	15.098	264	146727	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.204	112	698472	153.258	ng	0.02
7) Phenol-d6	6.239	99	765911	133.666	ng	0.00
23) Nitrobenzene-d5	7.157	82	596385	102.110	ng	0.00
42) 2,4,6-Tribromophenol	10.410	330	308316	179.655	ng	0.00
45) 2-Fluorobiphenyl	8.951	172	1191499	102.905	ng	0.00
79) Terphenyl-d14	12.686	244	1241098	130.373	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.157	70	80348	21.734	ng	# 76
25) Isophorone	7.157	82	596379	61.351	ng	# 64
31) Naphthalene	7.886	128	160320	9.714	ng	# 99
33) 4-Chloroaniline	7.886	127	21092	3.299	ng	# 35
51) 2,6-Dinitrotoluene	9.616	165	22132	8.310	ng	# 24
57) 2,4-Dinitrotoluene	9.616	165	22132	6.466	ng	# 14
67) 4-Bromophenyl-phenylether	10.404	248	18293	5.407	ng	# 1
77) Benzidine	12.680	184	17001	4.257	ng	# 93

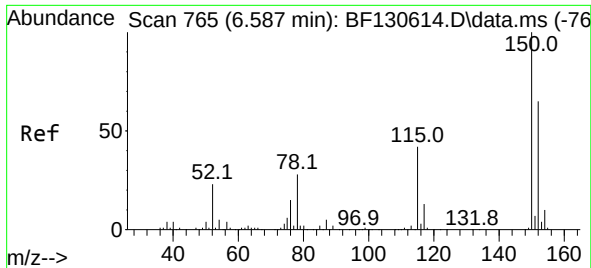
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 06:52:52 2022
Response via : Initial Calibration

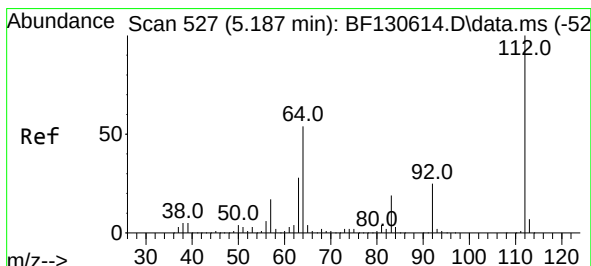
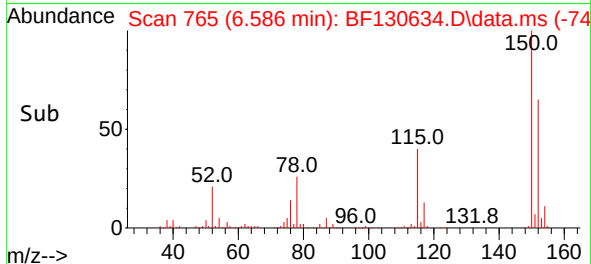
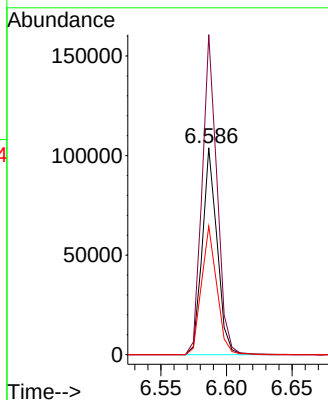
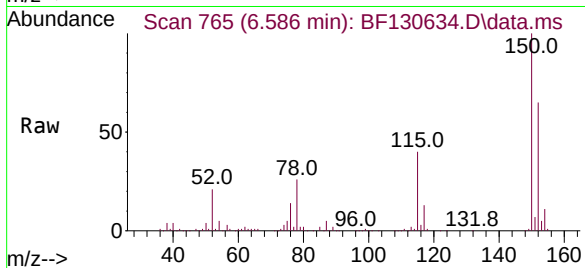




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.586 min Scan# 765
Delta R.T. -0.001 min
Lab File: BF130634.D
Acq: 12 Oct 2022 17:27

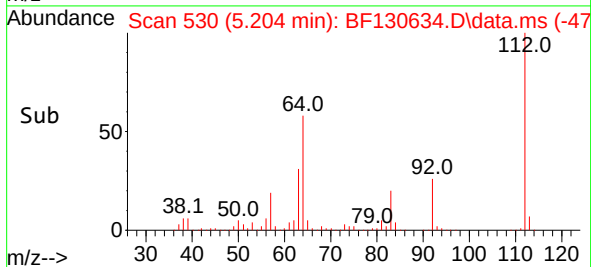
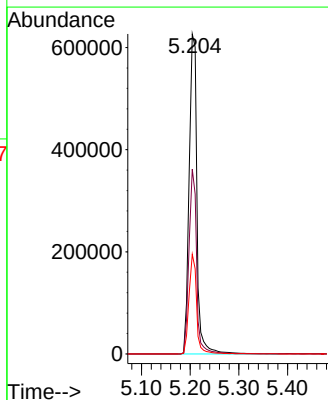
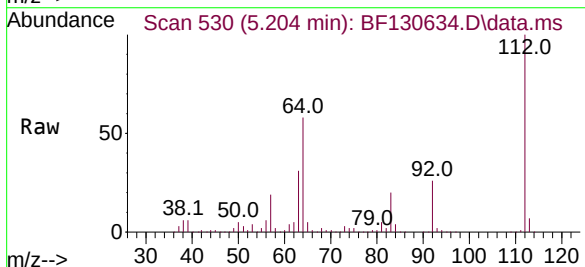
Instrument :
BNA_F
ClientSampleId :
C6(5-6)

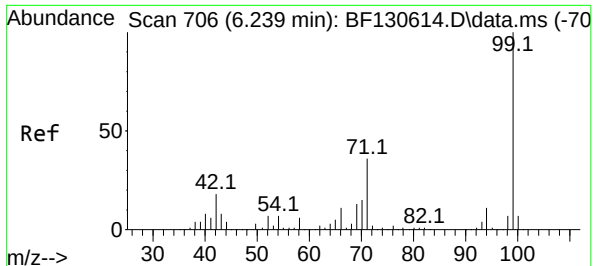
Tgt Ion:152 Resp: 82151
Ion Ratio Lower Upper
152 100
150 154.6 123.8 185.6
115 62.1 52.2 78.4



#5
2-Fluorophenol
Concen: 153.258 ng
RT: 5.204 min Scan# 530
Delta R.T. 0.018 min
Lab File: BF130634.D
Acq: 12 Oct 2022 17:27

Tgt Ion:112 Resp: 698472
Ion Ratio Lower Upper
112 100
64 57.7 43.5 65.3
63 31.2 22.6 34.0

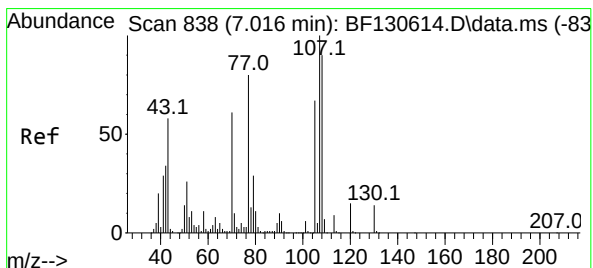
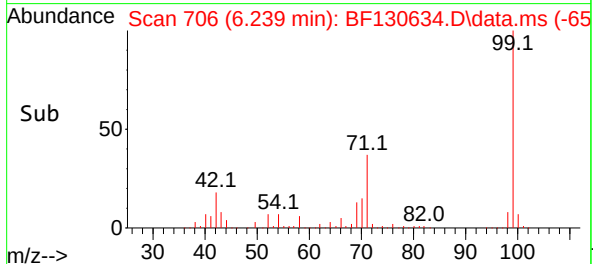
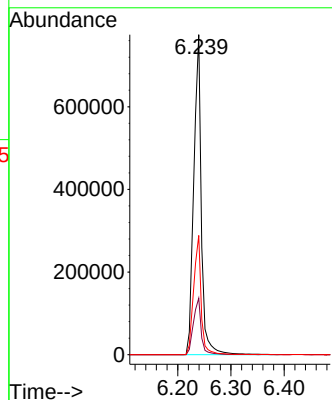
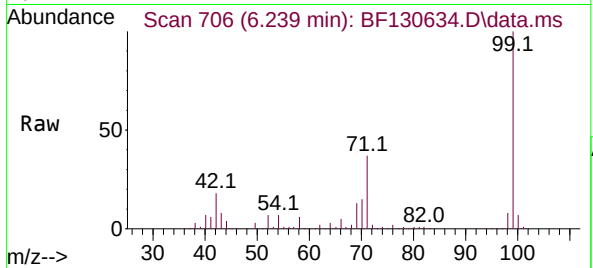




#7
Phenol-d6
Concen: 133.666 ng
RT: 6.239 min Scan# 706
Delta R.T. -0.000 min
Lab File: BF130634.D
Acq: 12 Oct 2022 17:27

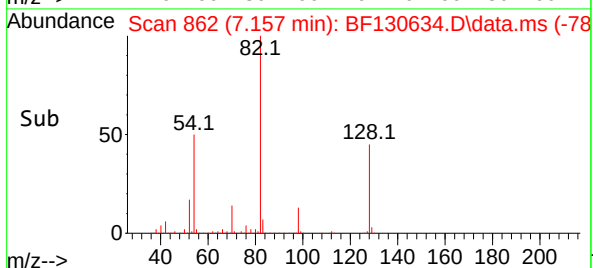
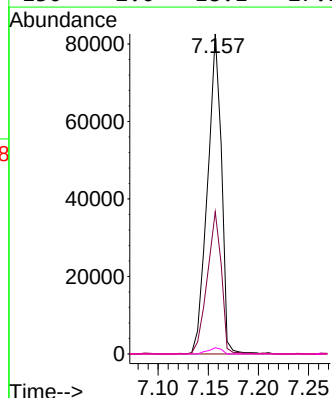
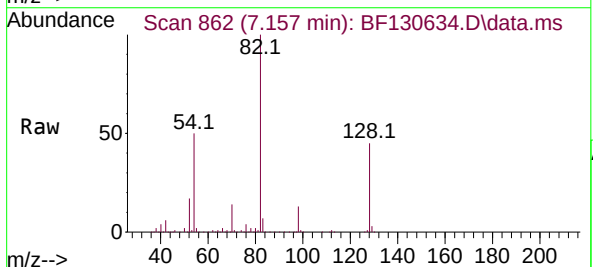
Instrument :
BNA_F
ClientSampleId :
C6(5-6)

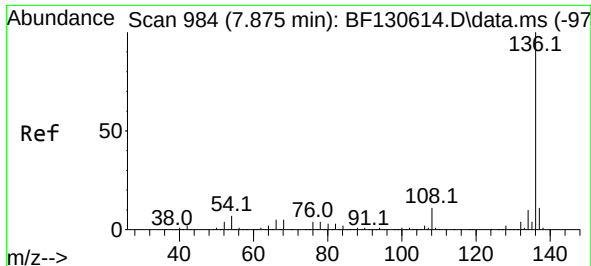
Tgt Ion: 99 Resp: 765911
Ion Ratio Lower Upper
99 100
42 17.7 14.0 21.0
71 37.3 28.8 43.2



#19
n-Nitroso-di-n-propylamine
Concen: 21.734 ng
RT: 7.157 min Scan# 862
Delta R.T. 0.141 min
Lab File: BF130634.D
Acq: 12 Oct 2022 17:27

Tgt Ion: 70 Resp: 80348
Ion Ratio Lower Upper
70 100
42 44.5 44.3 66.5
101 0.0 7.9 11.9#
130 2.0 18.1 27.1#

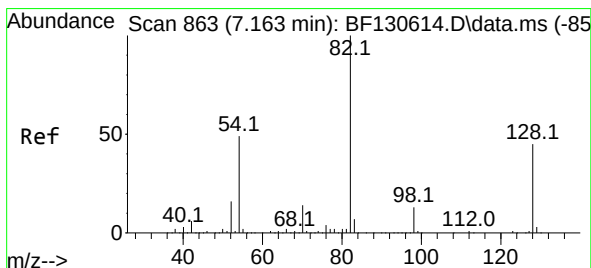
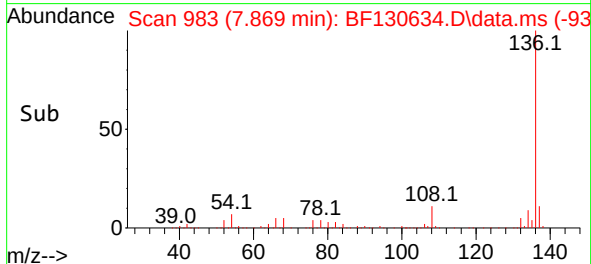
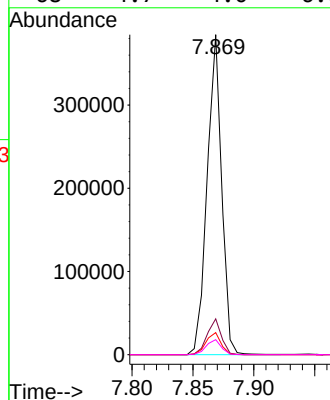
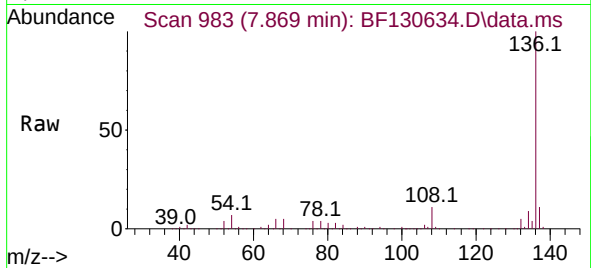




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.869 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF130634.D
Acq: 12 Oct 2022 17:27

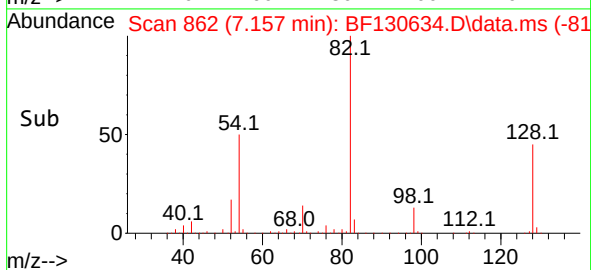
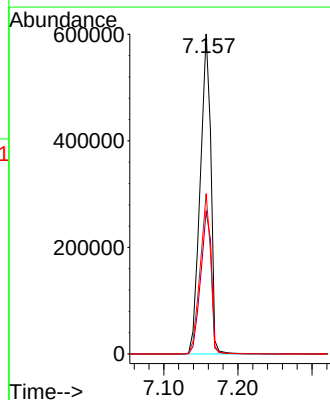
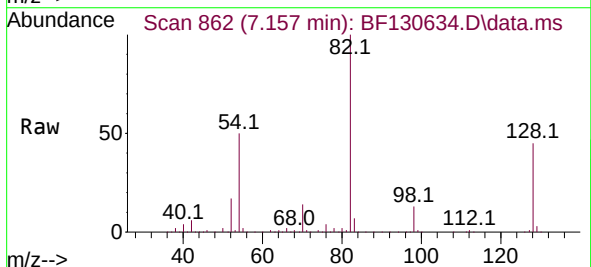
Instrument :
BNA_F
ClientSampleId :
C6(5-6)

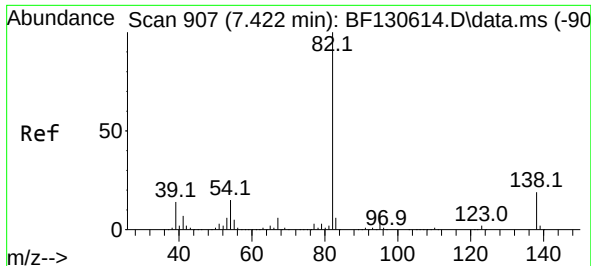
Tgt Ion:136 Resp: 318843
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 6.9 5.5 8.3
68 4.7 4.0 6.0



#23
Nitrobenzene-d5
Concen: 102.110 ng
RT: 7.157 min Scan# 862
Delta R.T. -0.006 min
Lab File: BF130634.D
Acq: 12 Oct 2022 17:27

Tgt Ion: 82 Resp: 596385
Ion Ratio Lower Upper
82 100
128 44.5 35.8 53.6
54 50.1 39.3 58.9

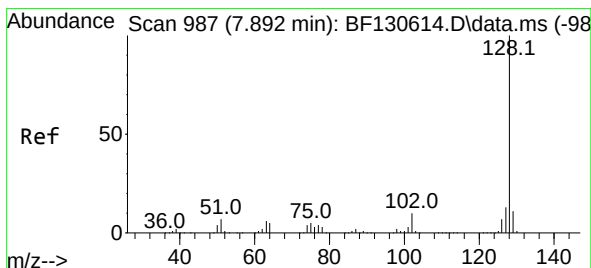
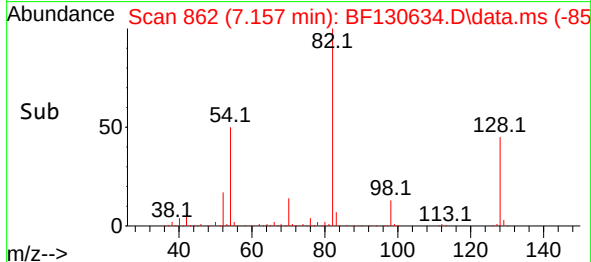
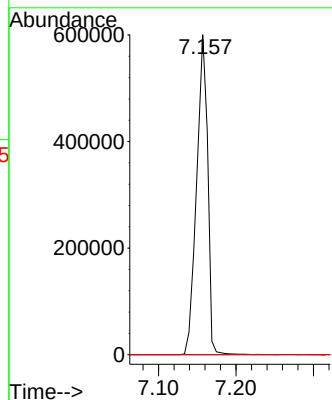
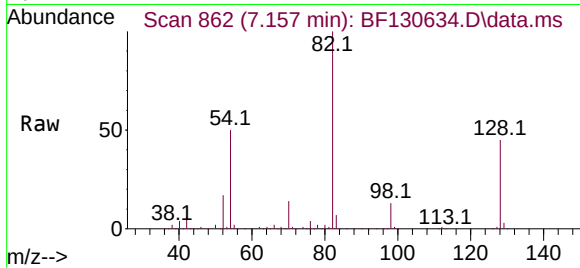




#25
Isophorone
Concen: 61.351 ng
RT: 7.157 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF130634.D
Acq: 12 Oct 2022 17:27

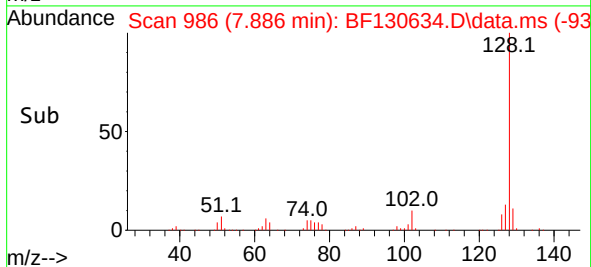
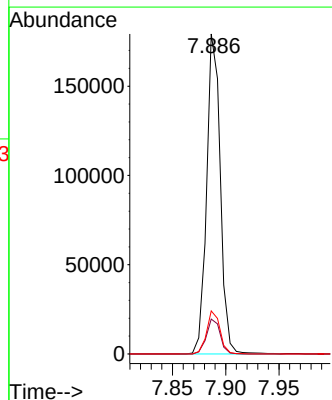
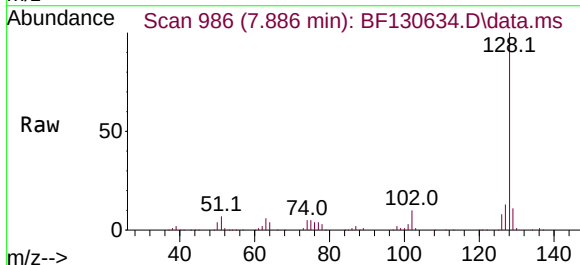
Instrument :
BNA_F
ClientSampleId :
C6(5-6)

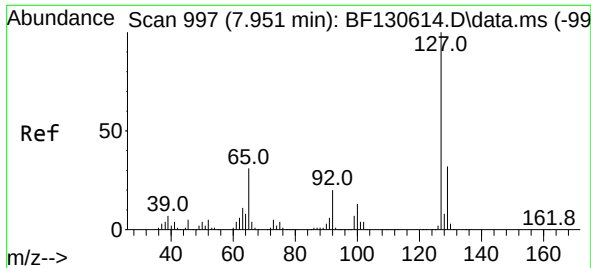
Tgt Ion: 82 Resp: 596379
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 14.9 22.3#



#31
Naphthalene
Concen: 9.714 ng
RT: 7.886 min Scan# 986
Delta R.T. -0.006 min
Lab File: BF130634.D
Acq: 12 Oct 2022 17:27

Tgt Ion:128 Resp: 160320
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.4
127 13.5 10.3 15.5

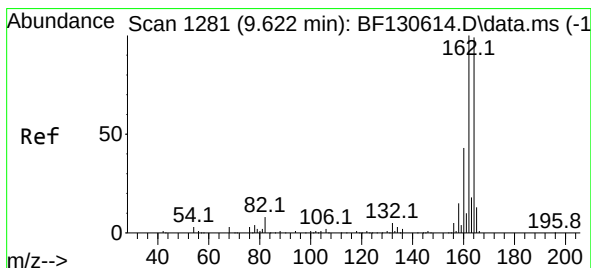
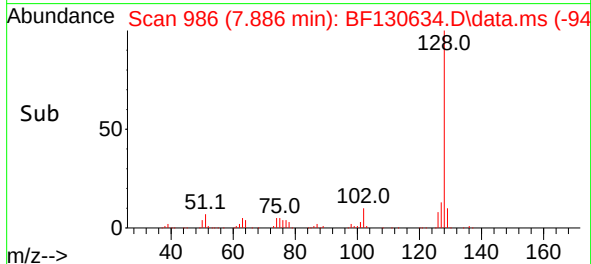
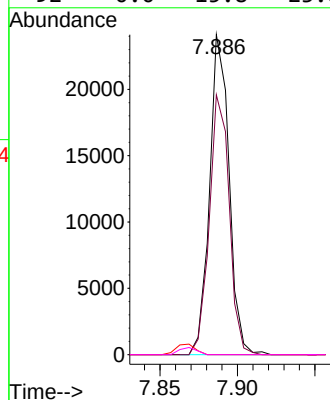
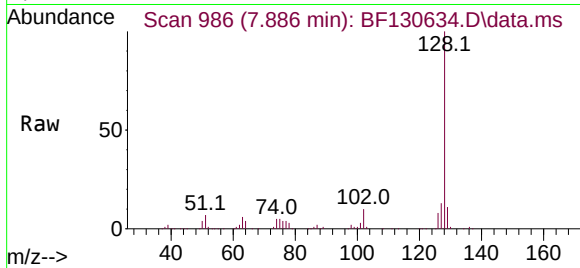




#33
4-Chloroaniline
Concen: 3.299 ng
RT: 7.886 min Scan# 91
Delta R.T. -0.065 min
Lab File: BF130634.D
Acq: 12 Oct 2022 17:27

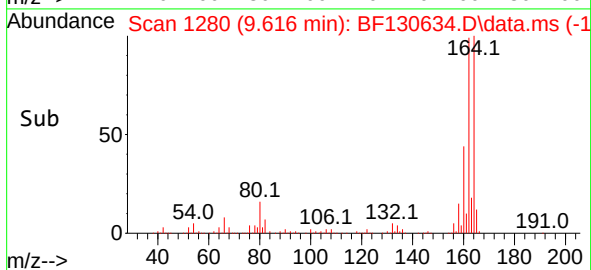
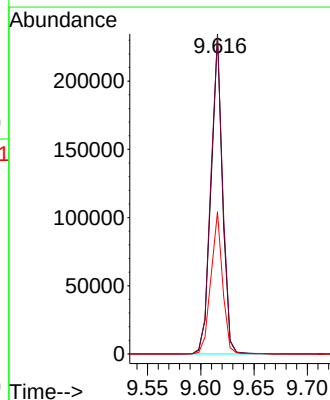
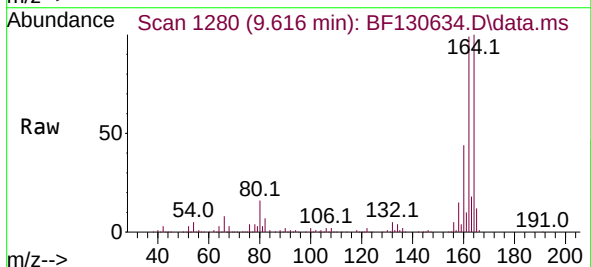
Instrument :
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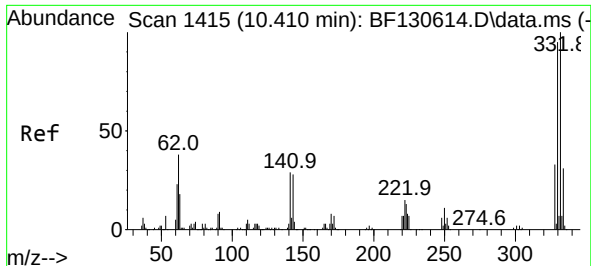
Tgt Ion:127	Resp:	21092
Ion Ratio	Lower	Upper
127	100	
129	81.2	25.7 38.5#
65	0.0	24.7 37.1#
92	0.0	15.8 23.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BF130634.D
Acq: 12 Oct 2022 17:27

Tgt Ion:164	Resp:	175387
Ion Ratio	Lower	Upper
164	100	
162	99.5	81.0 121.4
160	44.5	34.5 51.7

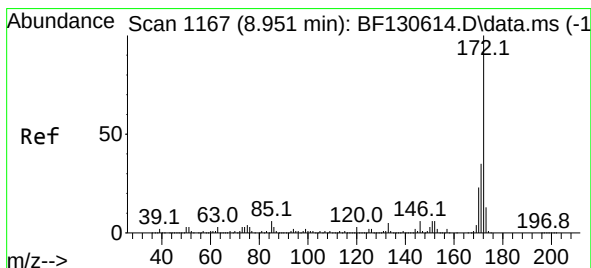
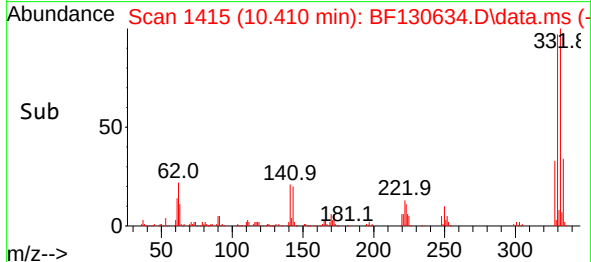
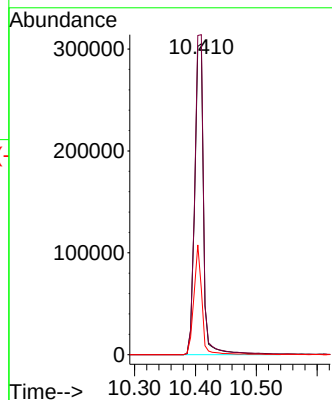
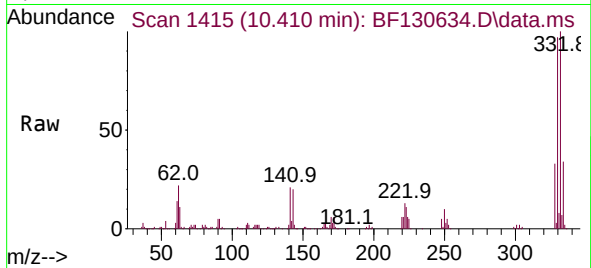




#42
2,4,6-Tribromophenol
Concen: 179.655 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.000 min
Lab File: BF130634.D
Acq: 12 Oct 2022 17:27

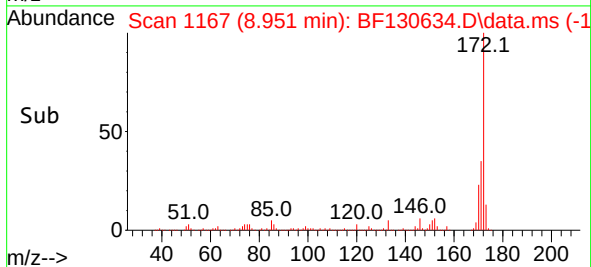
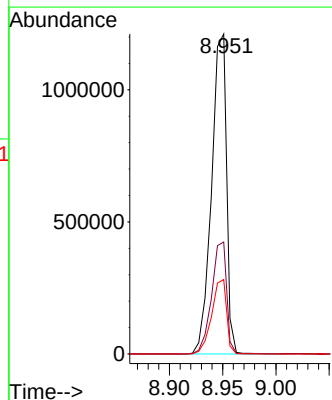
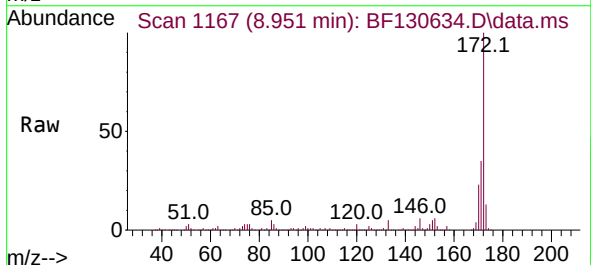
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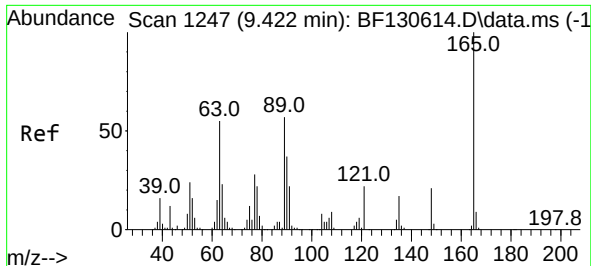
Tgt Ion:330 Resp: 308316
Ion Ratio Lower Upper
330 100
332 103.4 84.2 126.4
141 32.1 26.8 40.2



#45
2-Fluorobiphenyl
Concen: 102.905 ng
RT: 8.951 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF130634.D
Acq: 12 Oct 2022 17:27

Tgt Ion:172 Resp: 1191499
Ion Ratio Lower Upper
172 100
171 35.0 27.8 41.8
170 23.3 18.6 27.8





#51

2,6-Dinitrotoluene

Concen: 8.310 ng

RT: 9.616 min Scan# 11

Delta R.T. 0.194 min

Lab File: BF130634.D

Acq: 12 Oct 2022 17:27

Instrument :

BNA_F

ClientSampleId :

C6(5-6)

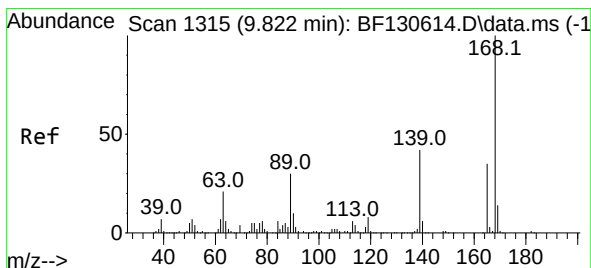
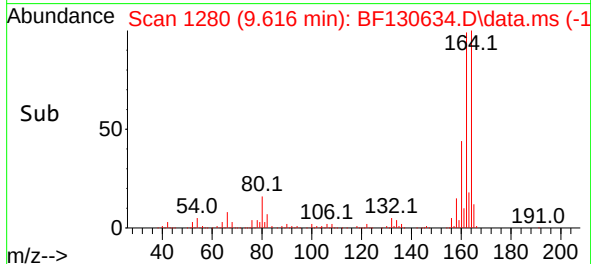
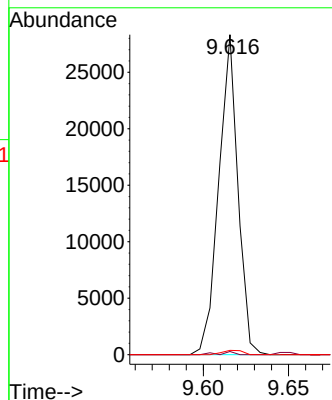
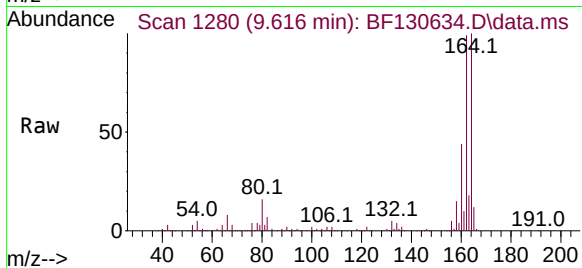
Tgt Ion:165 Resp: 22132

Ion Ratio Lower Upper

165 100

63 1.0 45.3 67.9#

89 1.3 45.6 68.4#



#57

2,4-Dinitrotoluene

Concen: 6.466 ng

RT: 9.616 min Scan# 1280

Delta R.T. -0.206 min

Lab File: BF130634.D

Acq: 12 Oct 2022 17:27

Tgt Ion:165 Resp: 22132

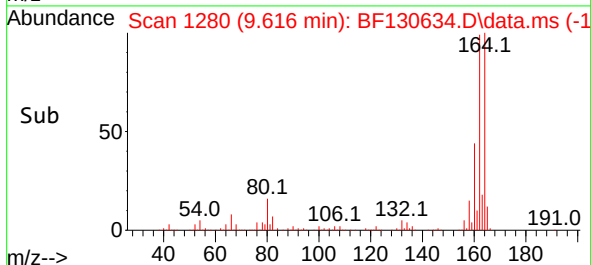
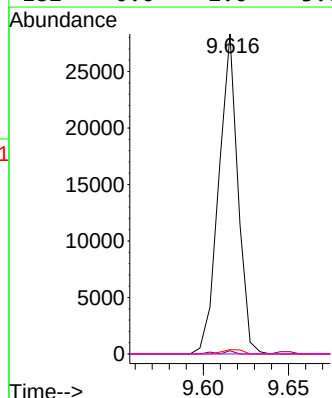
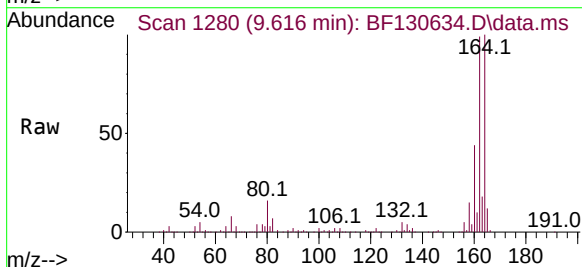
Ion Ratio Lower Upper

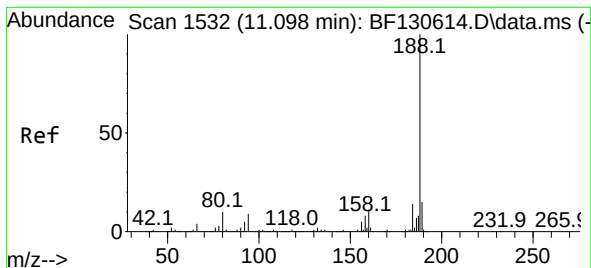
165 100

63 1.0 50.6 76.0#

89 1.3 68.6 102.8#

182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.092 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130634.D

Acq: 12 Oct 2022 17:27

Instrument :

BNA_F

ClientSampleId :

C6(5-6)

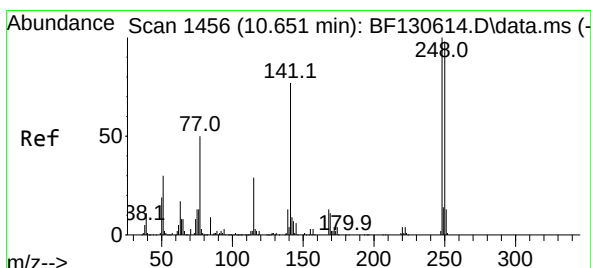
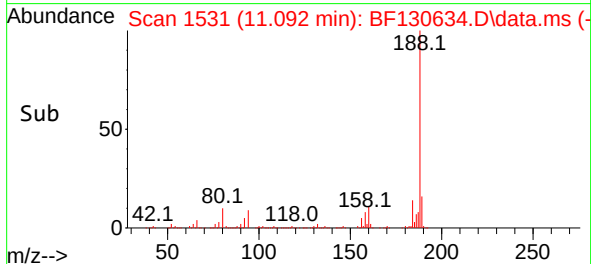
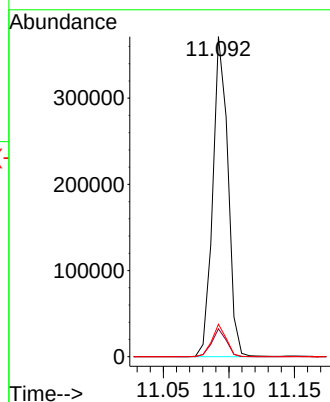
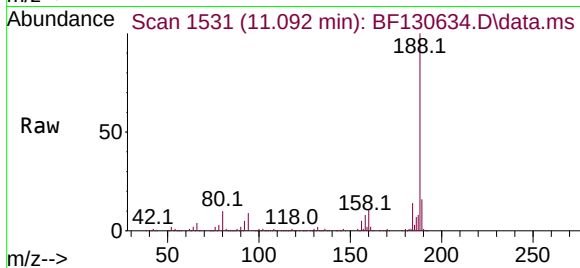
Tgt Ion:188 Resp: 299030

Ion Ratio Lower Upper

188 100

94 8.7 7.4 11.2

80 10.2 8.0 12.0



#67

4-Bromophenyl-phenylether

Concen: 5.407 ng

RT: 10.404 min Scan# 1414

Delta R.T. -0.247 min

Lab File: BF130634.D

Acq: 12 Oct 2022 17:27

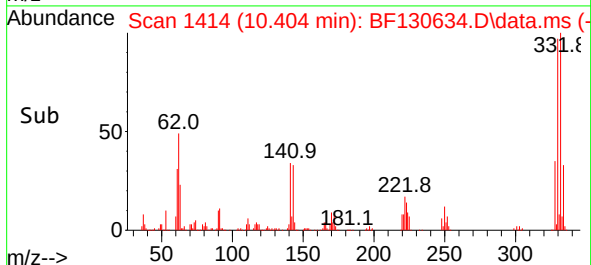
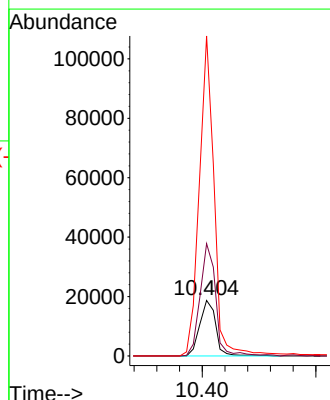
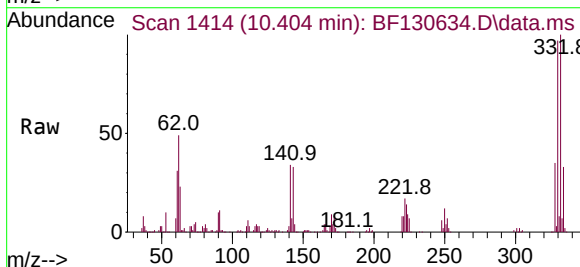
Tgt Ion:248 Resp: 18293

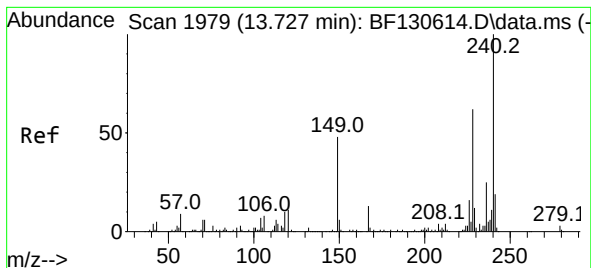
Ion Ratio Lower Upper

248 100

250 202.1 78.7 118.1#

141 576.1 61.6 92.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.721 min Scan# 1979

Delta R.T. -0.006 min

Lab File: BF130634.D

Acq: 12 Oct 2022 17:27

Instrument :

BNA_F

ClientSampleId :

C6(5-6)

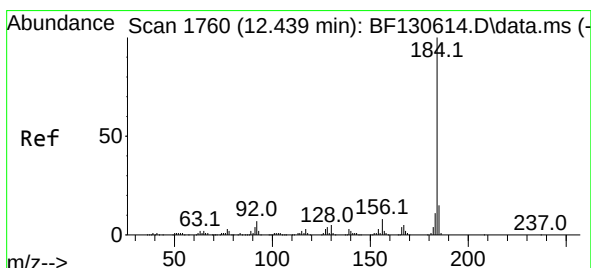
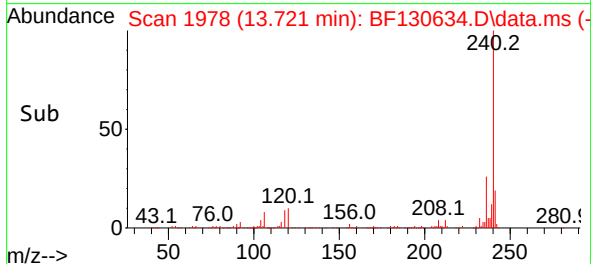
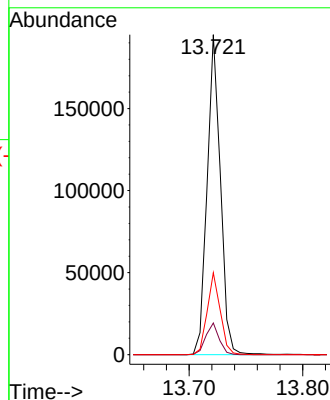
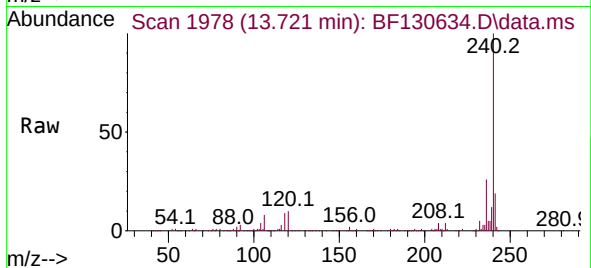
Tgt Ion:240 Resp: 157999

Ion Ratio Lower Upper

240 100

120 9.9 8.6 13.0

236 25.6 20.2 30.4



#77

Benzidine

Concen: 4.257 ng

RT: 12.680 min Scan# 1801

Delta R.T. 0.241 min

Lab File: BF130634.D

Acq: 12 Oct 2022 17:27

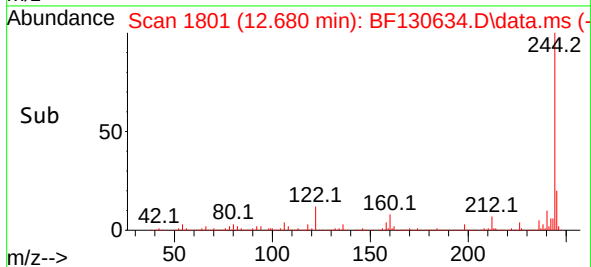
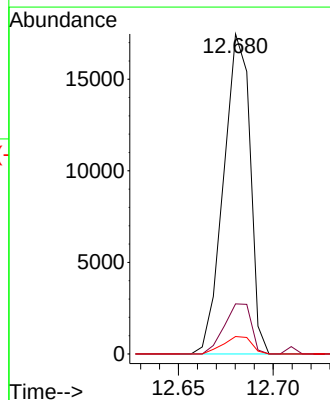
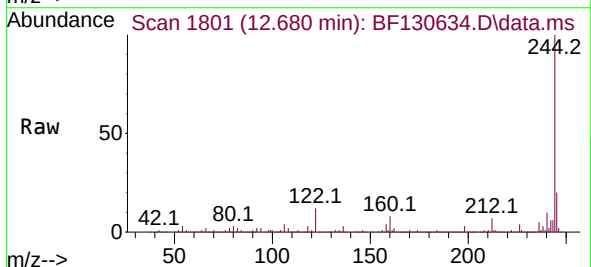
Tgt Ion:184 Resp: 17001

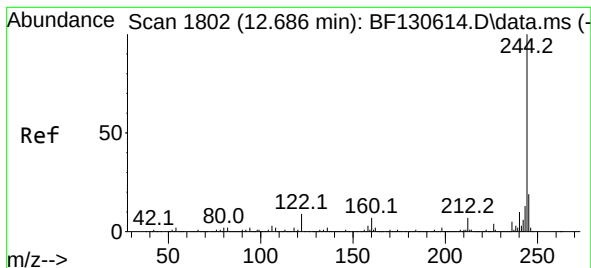
Ion Ratio Lower Upper

184 100

185 15.7 12.0 18.0

183 5.4 9.0 13.4#





#79

Terphenyl-d14

Concen: 130.373 ng

RT: 12.686 min Scan# 1802

Delta R.T. -0.000 min

Lab File: BF130634.D

Acq: 12 Oct 2022 17:27

Instrument :

BNA_F

ClientSampleId :

C6(5-6)

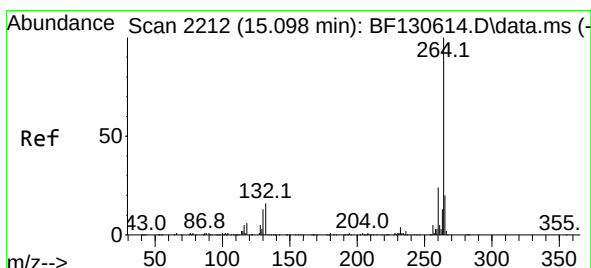
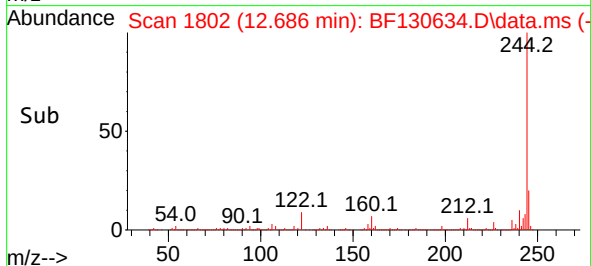
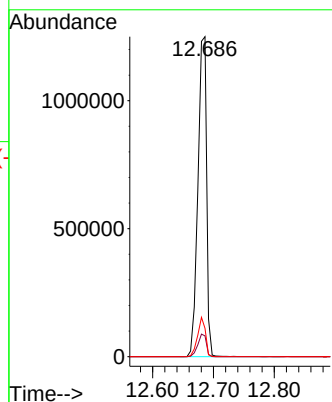
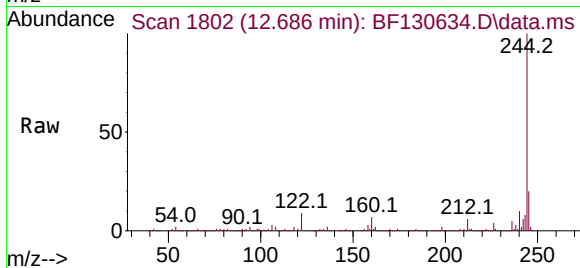
Tgt Ion:244 Resp: 1241098

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 8.9 7.5 11.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.098 min Scan# 2212

Delta R.T. -0.000 min

Lab File: BF130634.D

Acq: 12 Oct 2022 17:27

Tgt Ion:264 Resp: 146727

Ion Ratio Lower Upper

264 100

260 23.5 19.1 28.7

265 20.9 16.4 24.6

