

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100423\
 Data File : BF135592.D
 Acq On : 05 Oct 2023 03:04
 Operator : CG\JU
 Sample : 04686-01DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-3-092923

Quant Time: Oct 05 06:51:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 17:06:20 2023
 Response via : Initial Calibration

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

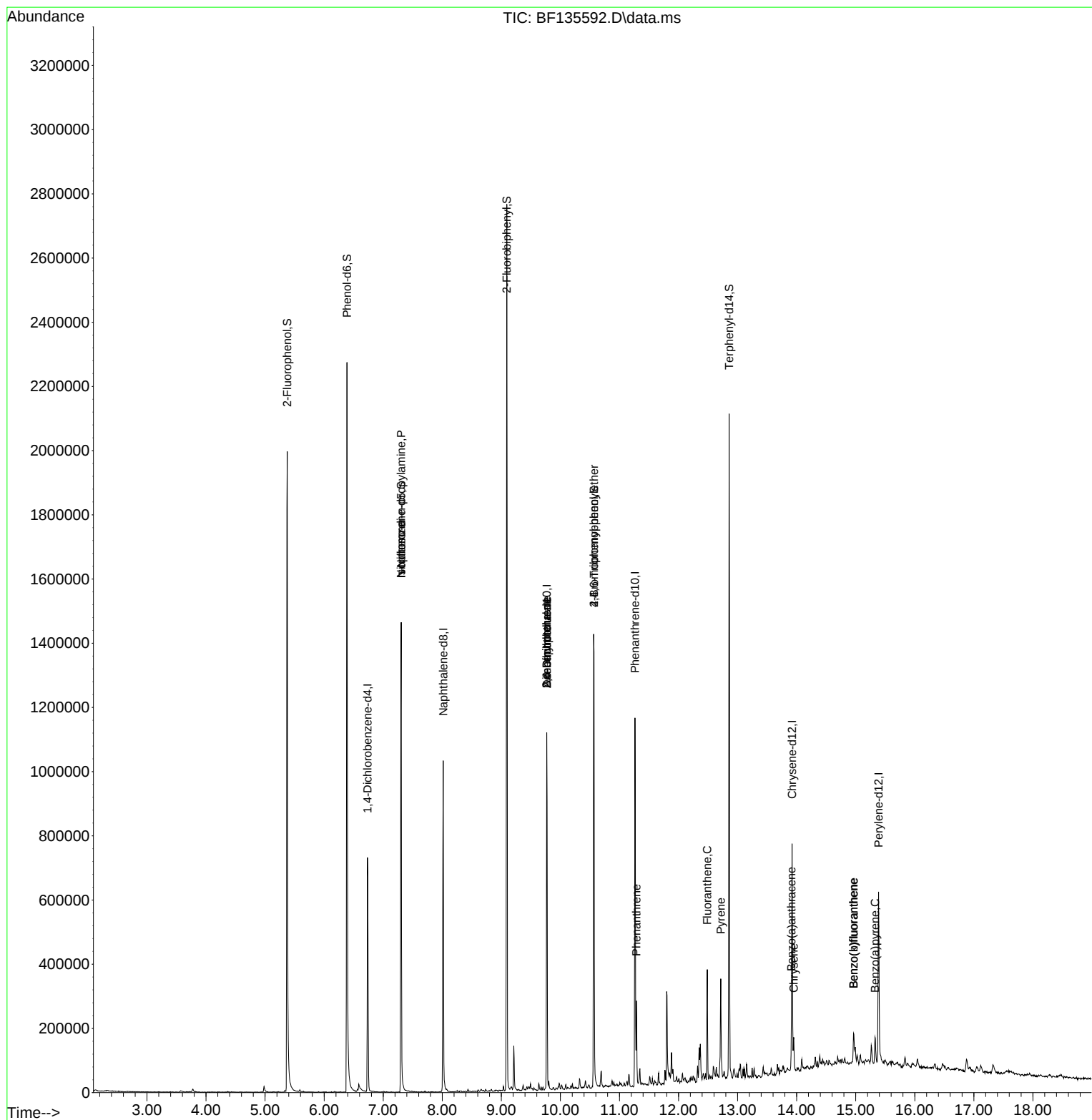
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	112853	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	438338	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	220165	20.000	ng	0.00
64) Phenanthrene-d10	11.263	188	408187	20.000	ng	0.00
76) Chrysene-d12	13.922	240	203626	20.000	ng	0.00
86) Perylene-d12	15.386	264	248317	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	576354	83.065	ng	0.00
7) Phenol-d6	6.387	99	714047	80.931	ng	0.00
23) Nitrobenzene-d5	7.304	82	438188	54.311	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	176173	80.521	ng	0.00
45) 2-Fluorobiphenyl	9.093	172	823413	56.426	ng	0.00
79) Terphenyl-d14	12.857	244	681561	51.887	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	58681	10.738	ng	# 80
25) Isophorone	7.304	82	438182	29.576	ng	# 65
50) Dimethylphthalate	9.769	163	39995	2.687	ng	# 1
51) 2,6-Dinitrotoluene	9.769	165	28388	8.706	ng	# 17
57) 2,4-Dinitrotoluene	9.769	165	28388	6.954	ng	# 18
67) 4-Bromophenyl-phenylether	10.569	248	10794	2.659	ng	# 1
71) Phenanthrene	11.287	178	93244	4.830	ng	98
75) Fluoranthene	12.486	202	130490	6.487	ng	98
78) Pyrene	12.716	202	124258	6.409	ng	98
81) Benzo(a)anthracene	13.910	228	46739	3.555	ng	96
83) Chrysene	13.951	228	43780	3.349	ng	98
88) Benzo(b)fluoranthene	14.963	252	65661	4.885	ng	# 93
89) Benzo(k)fluoranthene	14.963	252	65661	4.945	ng	# 94
90) Benzo(a)pyrene	15.327	252	40018	3.122	ng	95

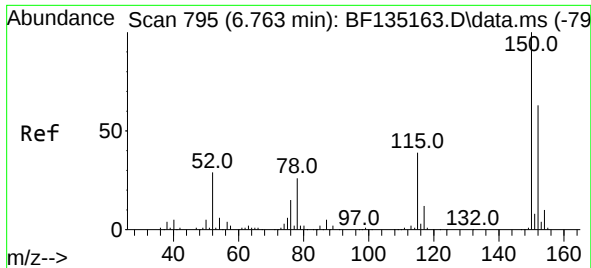
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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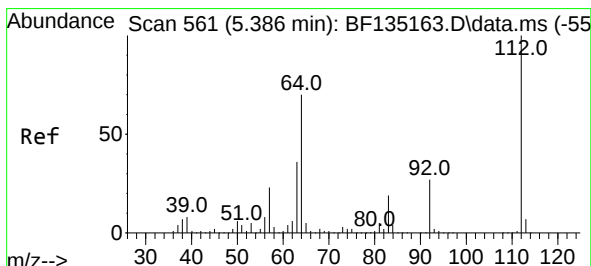
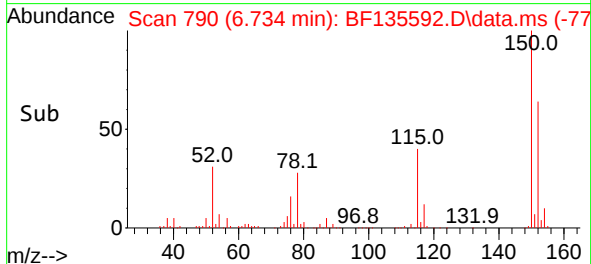
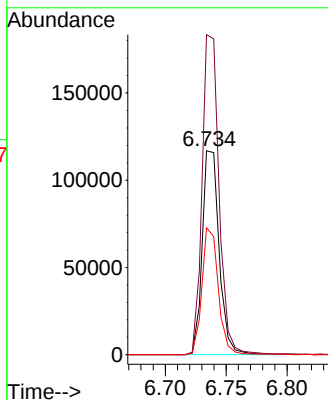
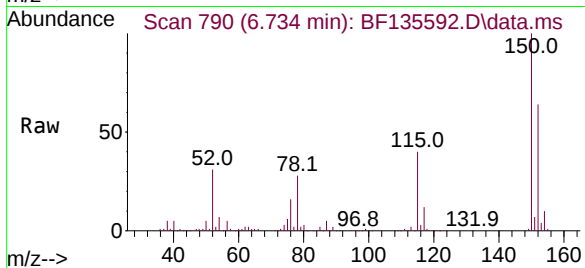




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 795
Delta R.T. -0.005 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

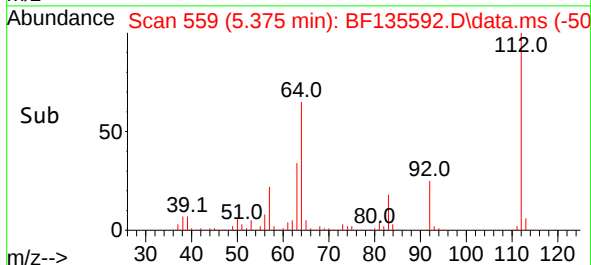
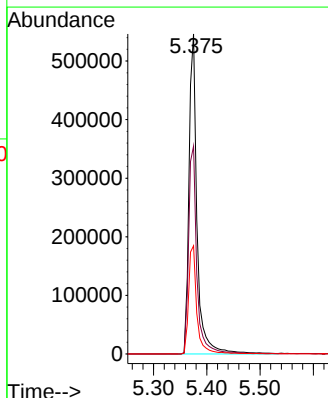
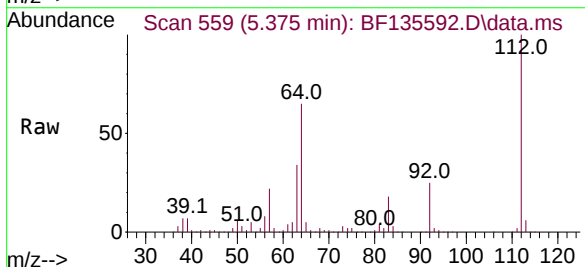
Instrument :
BNA_F
ClientSampleId :
HR-3-092923

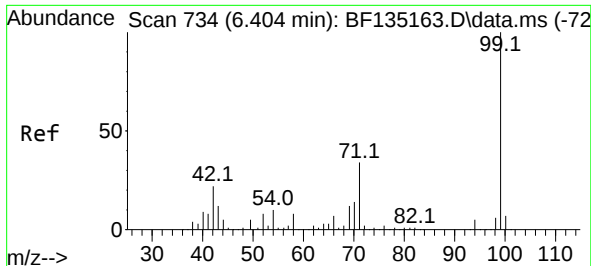
Tgt Ion:152 Resp: 112853
Ion Ratio Lower Upper
152 100
150 157.0 127.8 191.6
115 62.2 49.8 74.8



#5
2-Fluorophenol
Concen: 83.065 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

Tgt Ion:112 Resp: 576354
Ion Ratio Lower Upper
112 100
64 64.9 55.9 83.9
63 33.8 29.0 43.6

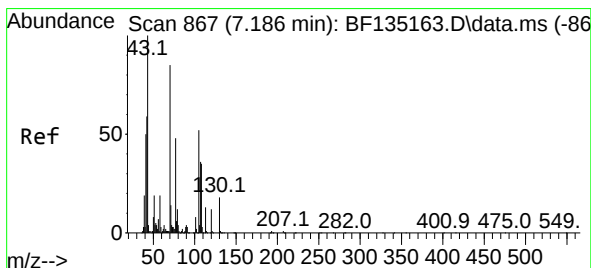
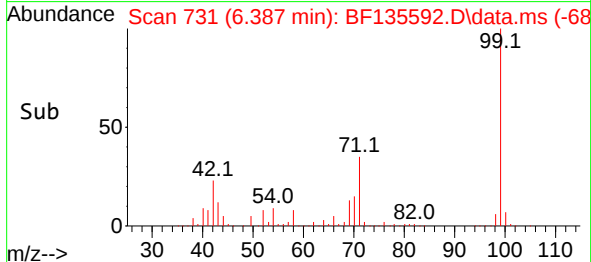
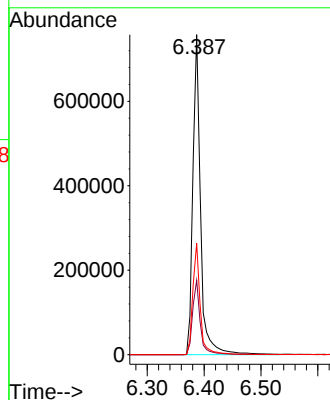
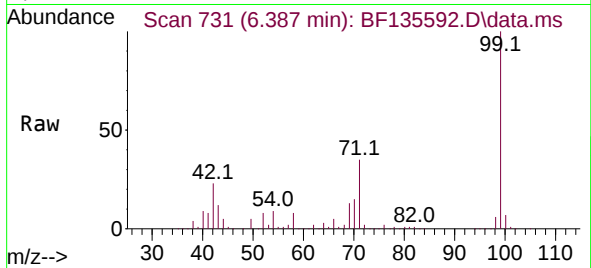




#7
Phenol-d6
Concen: 80.931 ng
RT: 6.387 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

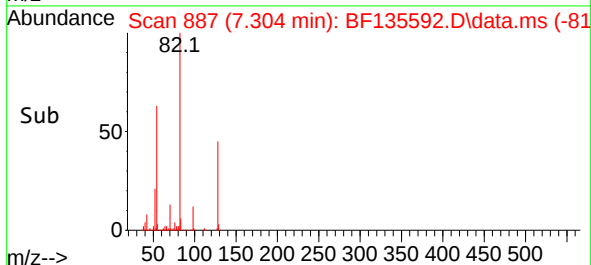
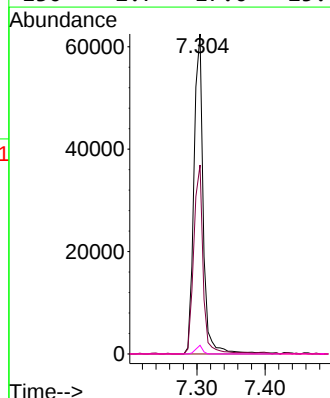
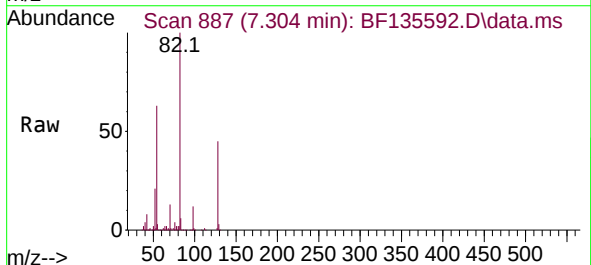
Instrument :
BNA_F
ClientSampleId :
HR-3-092923

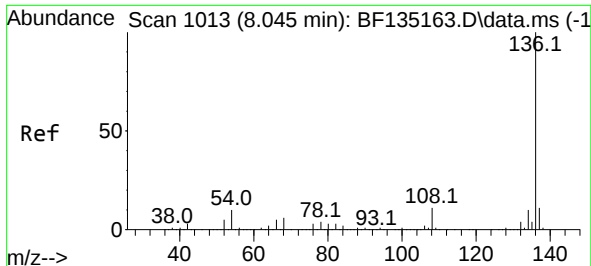
Tgt Ion: 99 Resp: 714047
Ion Ratio Lower Upper
99 100
42 23.3 17.9 26.9
71 34.8 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.738 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

Tgt Ion: 70 Resp: 58681
Ion Ratio Lower Upper
70 100
42 59.0 55.4 83.0
101 0.0 7.7 11.5#
130 2.7 17.0 25.6#

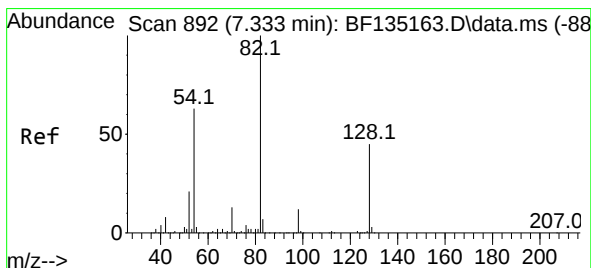
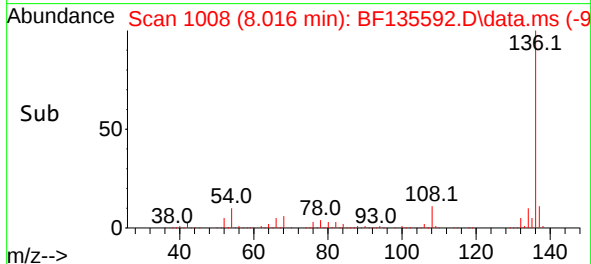
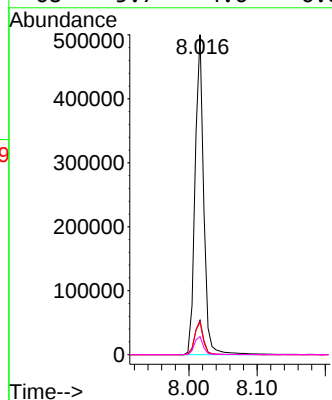
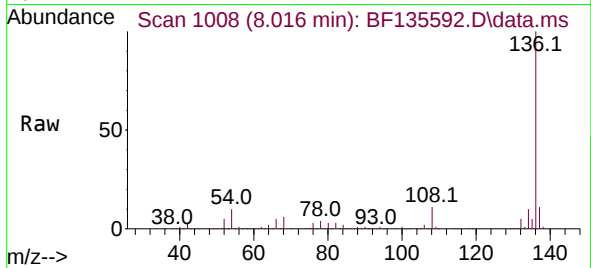




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

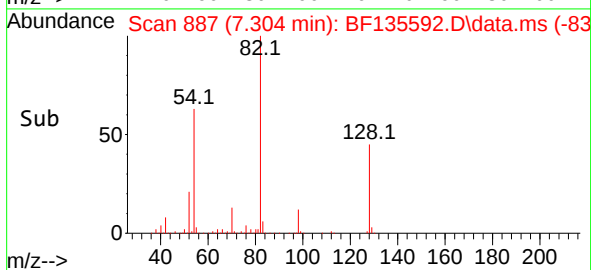
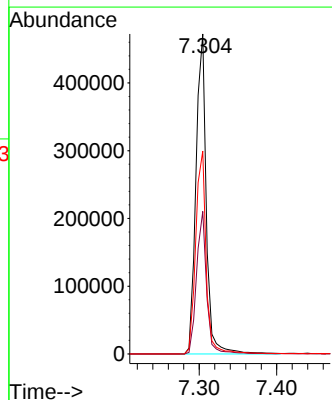
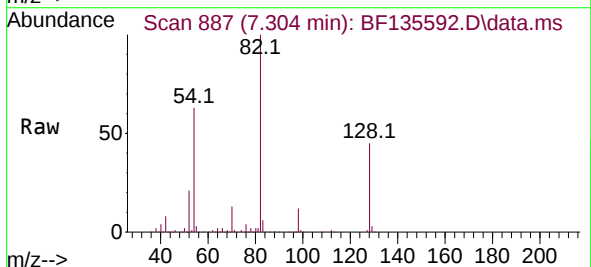
Instrument :
BNA_F
ClientSampleId :
HR-3-092923

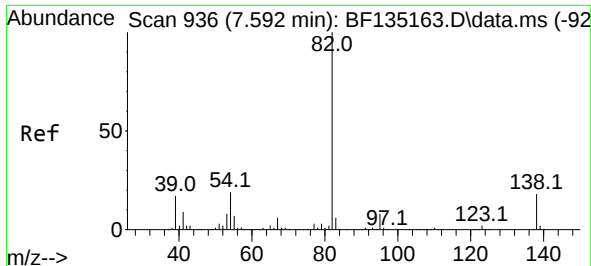
Tgt Ion:136 Resp: 438338
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 10.2 7.7 11.5
68 5.7 4.6 6.8



#23
Nitrobenzene-d5
Concen: 54.311 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

Tgt Ion: 82 Resp: 438188
Ion Ratio Lower Upper
82 100
128 44.5 35.8 53.6
54 63.4 50.6 76.0

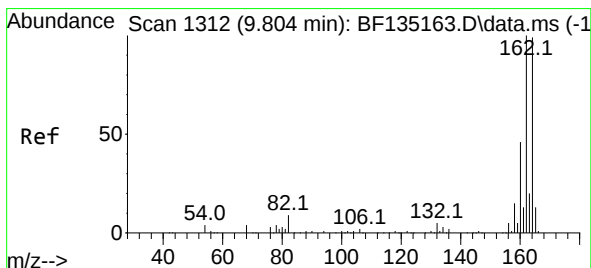
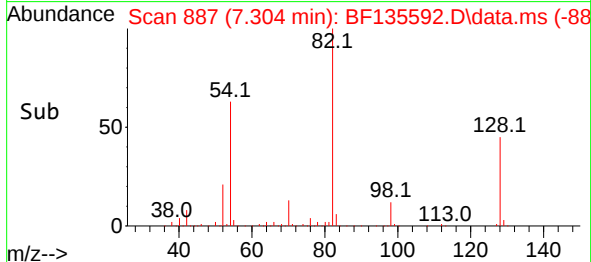
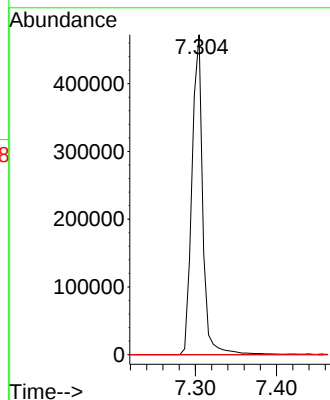
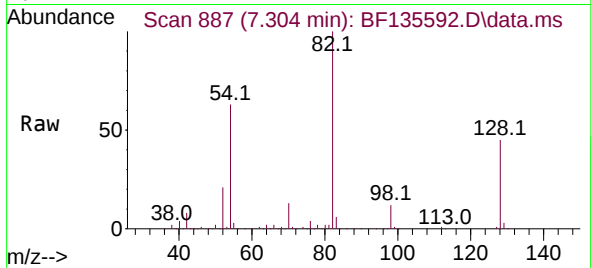




#25
Isophorone
Concen: 29.576 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.258 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

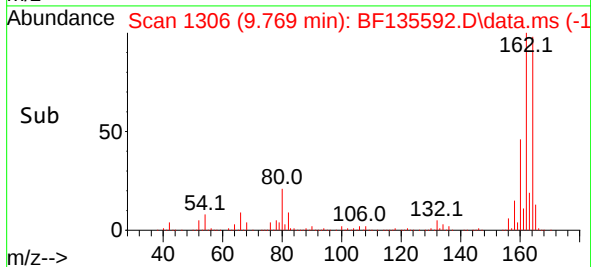
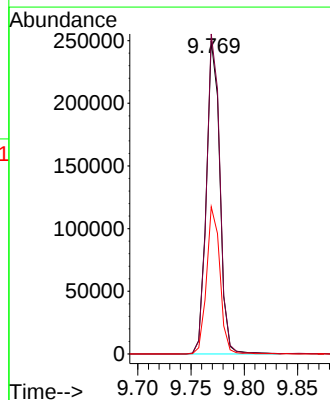
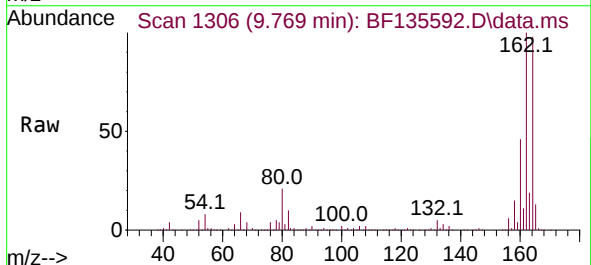
Instrument :
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ClientSampleId :
HR-3-092923

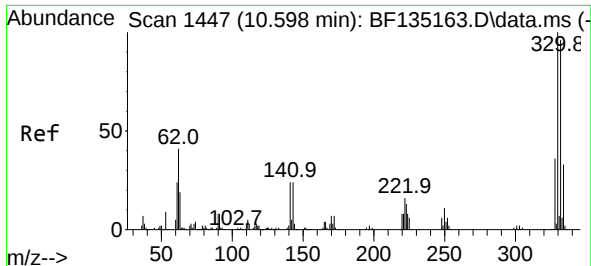
Tgt Ion: 82 Resp: 438182
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

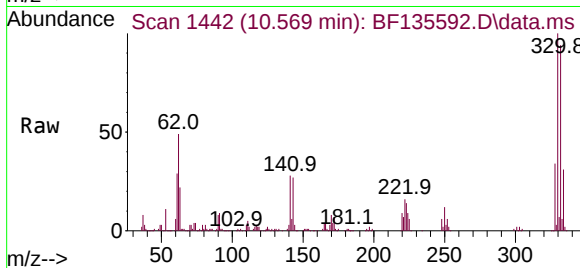
Tgt Ion:164 Resp: 220165
Ion Ratio Lower Upper
164 100
162 102.1 81.0 121.4
160 47.0 37.0 55.4



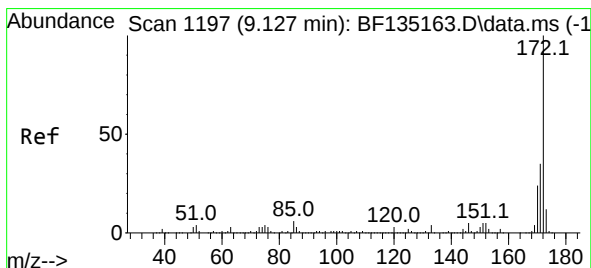
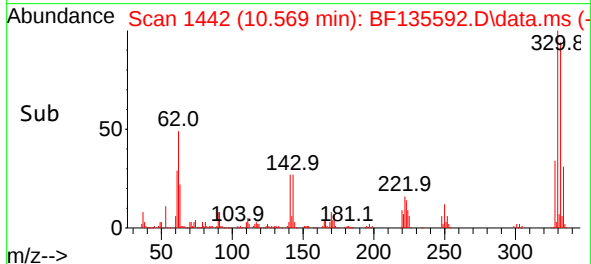
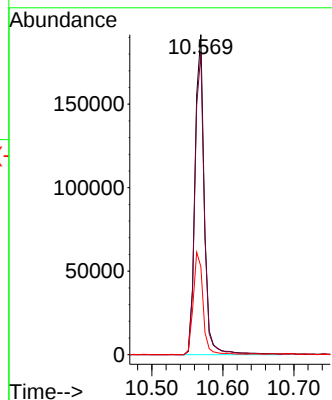


#42
2,4,6-Tribromophenol
Concen: 80.521 ng
RT: 10.569 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

Instrument :
BNA_F
ClientSampleId :
HR-3-092923

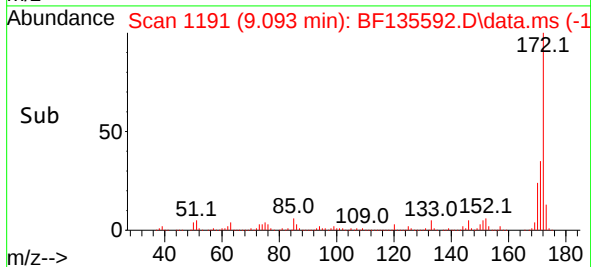
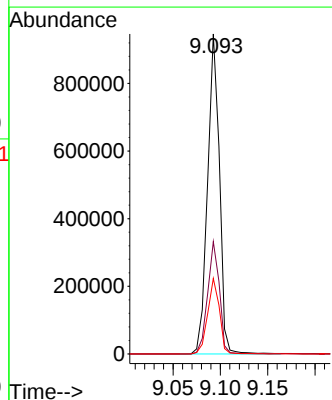
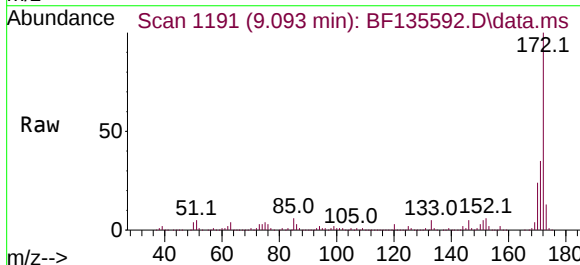


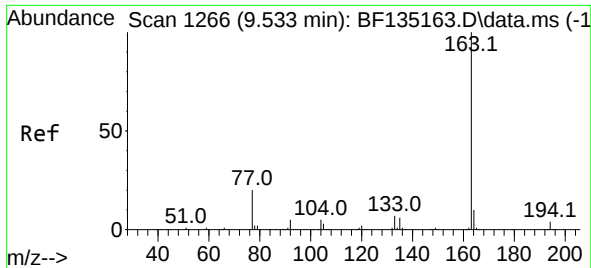
Tgt Ion: 330 Resp: 176173
Ion Ratio Lower Upper
330 100
332 95.4 77.3 115.9
141 33.5 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 56.426 ng
RT: 9.093 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

Tgt Ion: 172 Resp: 823413
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 23.6 19.0 28.4

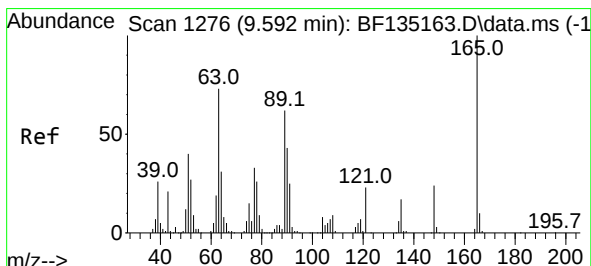
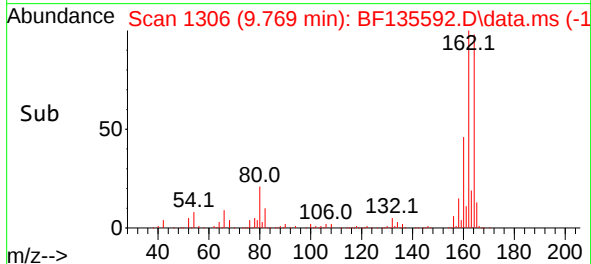
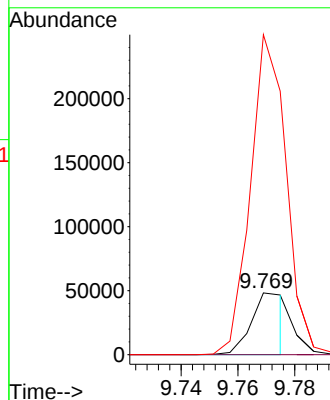
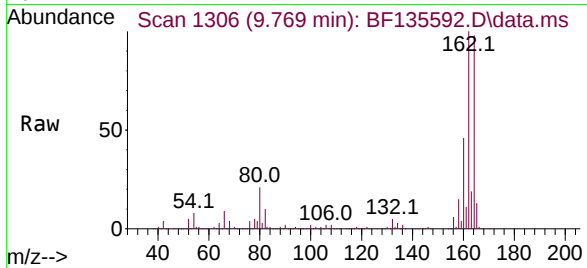




#50
Dimethylphthalate
Concen: 2.687 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.265 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

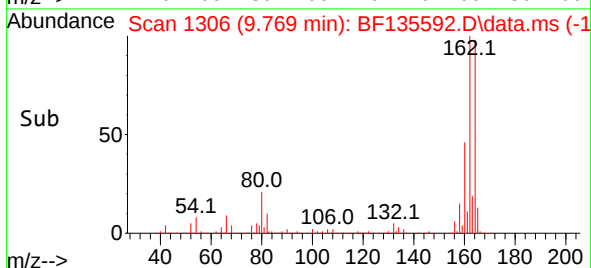
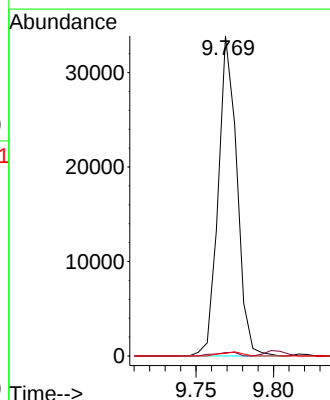
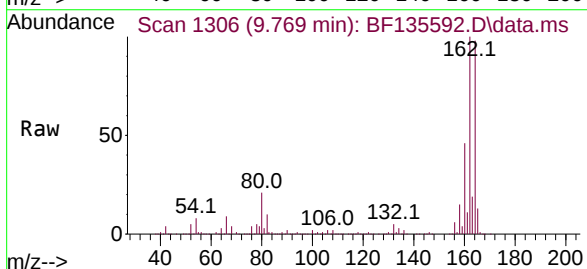
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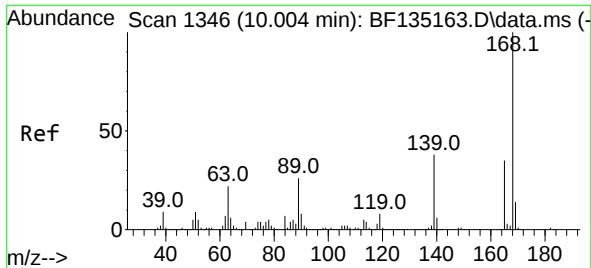
Tgt Ion:163 Resp: 39995
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 517.8 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.706 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.194 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

Tgt Ion:165 Resp: 28388
Ion Ratio Lower Upper
165 100
63 1.1 59.4 89.2#
89 0.8 49.8 74.8#

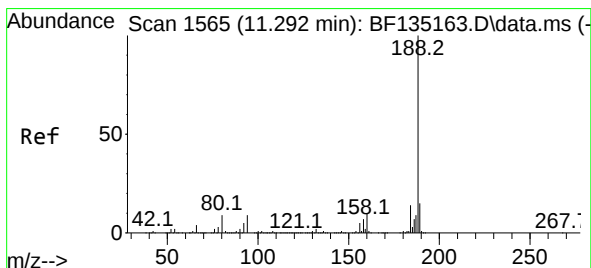
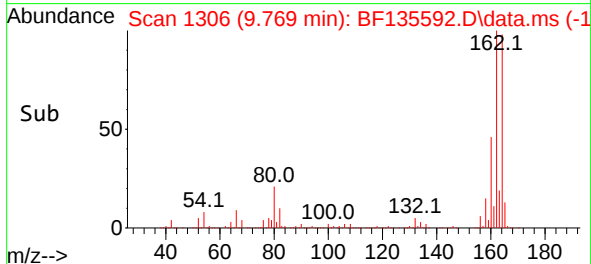
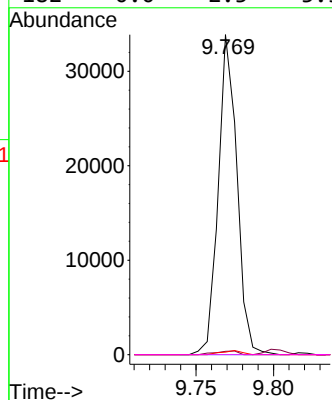
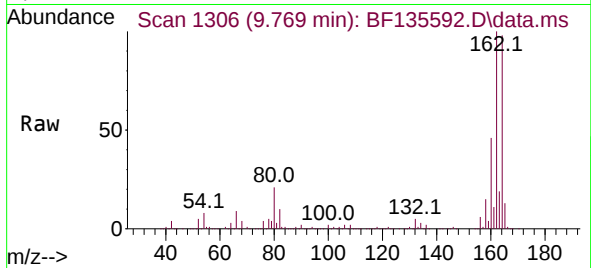




#57
2,4-Dinitrotoluene
Concen: 6.954 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.217 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

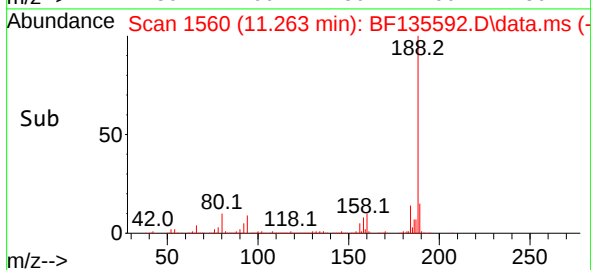
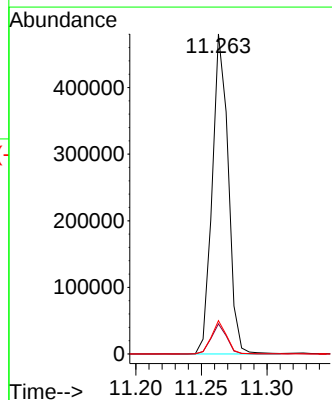
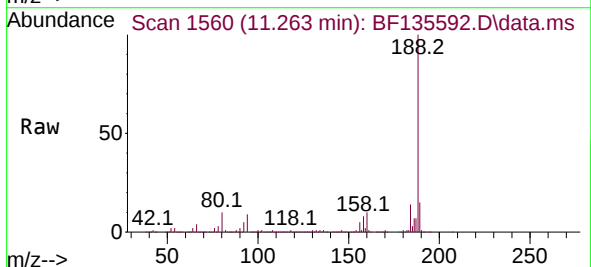
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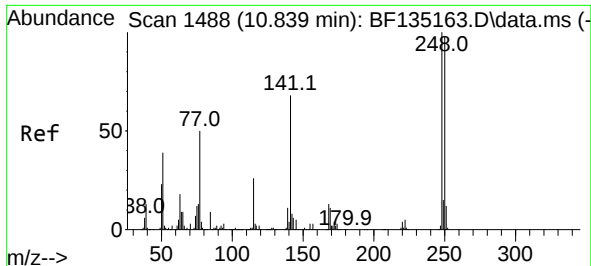
Tgt Ion:165 Resp: 28388
Ion Ratio Lower Upper
165 100
63 1.1 50.1 75.1#
89 0.8 59.3 88.9#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

Tgt Ion:188 Resp: 408187
Ion Ratio Lower Upper
188 100
94 9.4 7.0 10.6
80 10.4 7.5 11.3

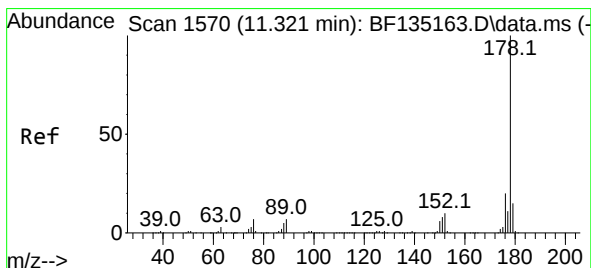
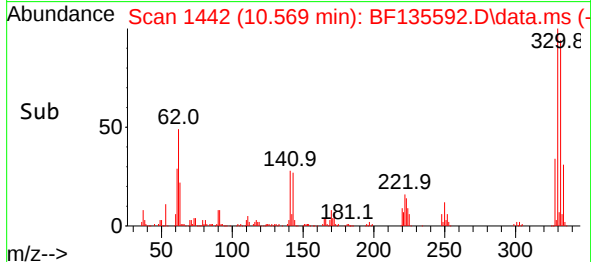
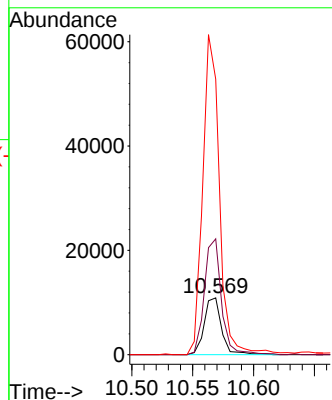
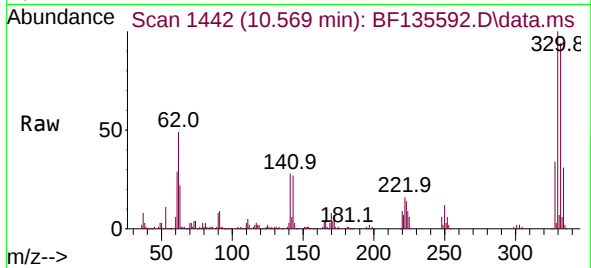




#67
4-Bromophenyl-phenylether
Concen: 2.659 ng
RT: 10.569 min Scan# 1488
Delta R.T. -0.241 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

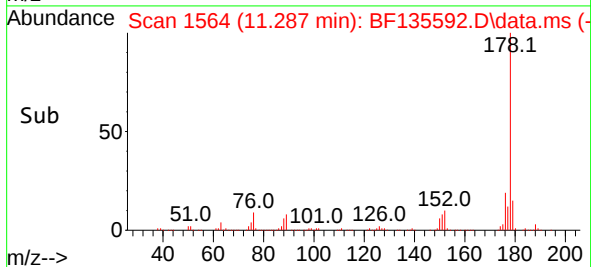
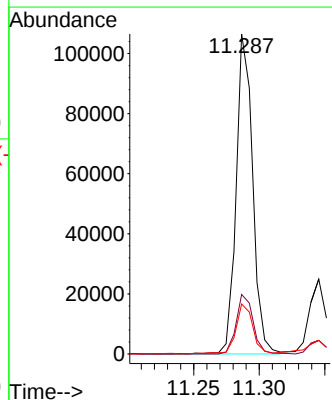
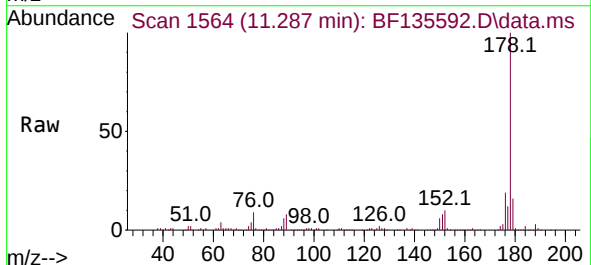
Instrument :
BNA_F
ClientSampleId :
HR-3-092923

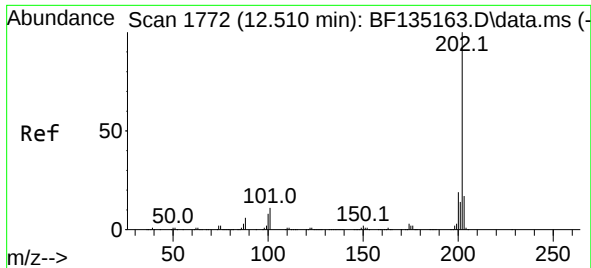
Tgt Ion:248 Resp: 10794
Ion Ratio Lower Upper
248 100
250 204.2 78.6 117.8#
141 485.7 54.2 81.2#



#71
Phenanthrene
Concen: 4.830 ng
RT: 11.287 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

Tgt Ion:178 Resp: 93244
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 15.6 12.0 18.0

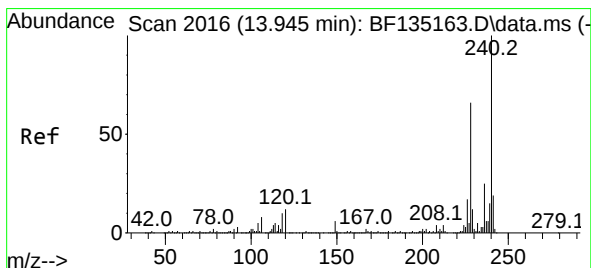
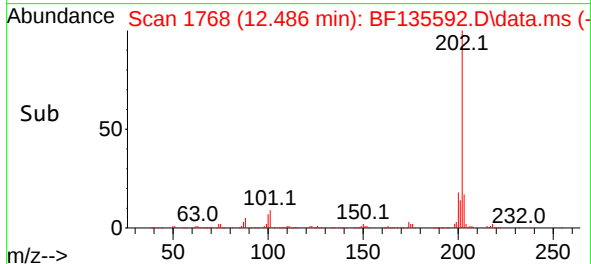
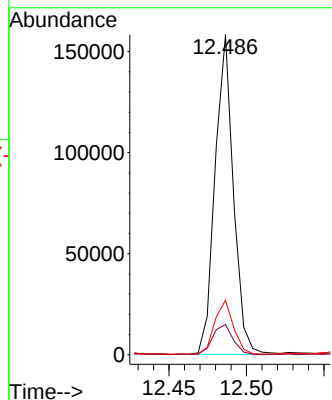
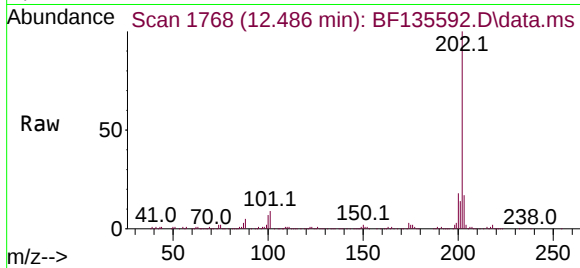




#75
Fluoranthene
Concen: 6.487 ng
RT: 12.486 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

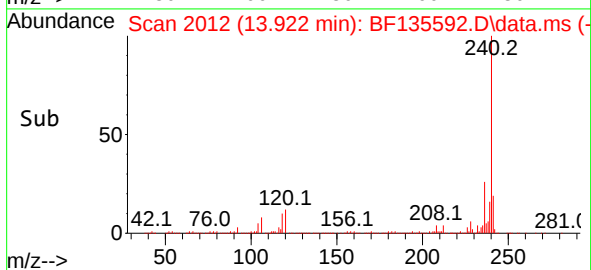
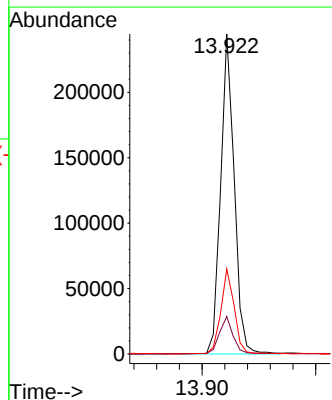
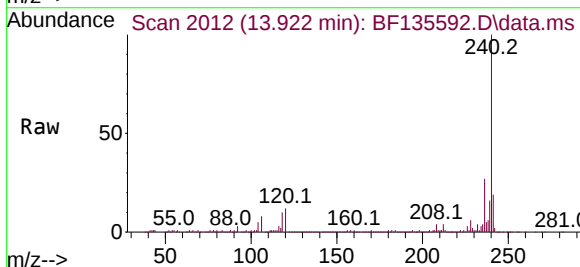
Instrument :
BNA_F
ClientSampleId :
HR-3-092923

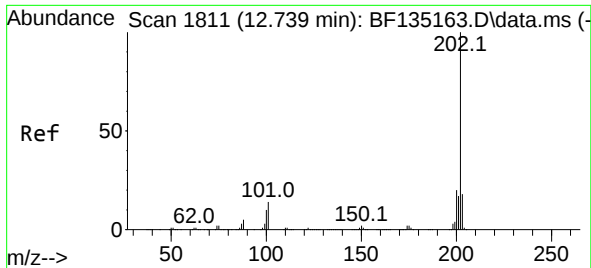
Tgt Ion:202 Resp: 130490
Ion Ratio Lower Upper
202 100
101 9.4 0.0 31.3
203 17.0 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.922 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

Tgt Ion:240 Resp: 203626
Ion Ratio Lower Upper
240 100
120 11.7 9.4 14.2
236 26.6 19.8 29.8

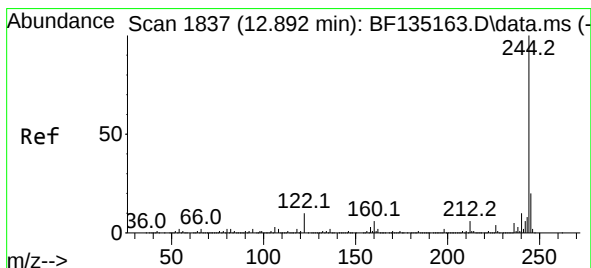
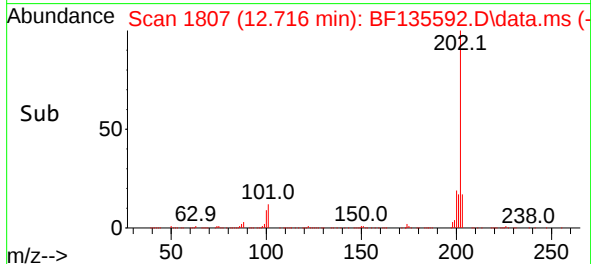
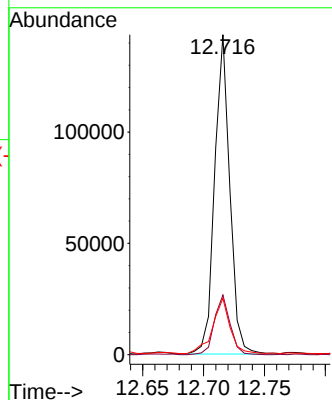
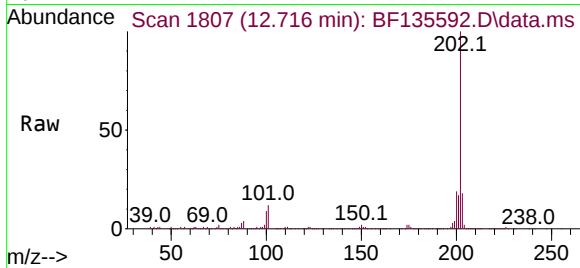




#78
Pyrene
Concen: 6.409 ng
RT: 12.716 min Scan# 1807
Delta R.T. 0.000 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

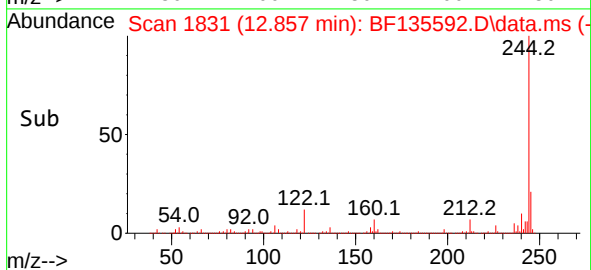
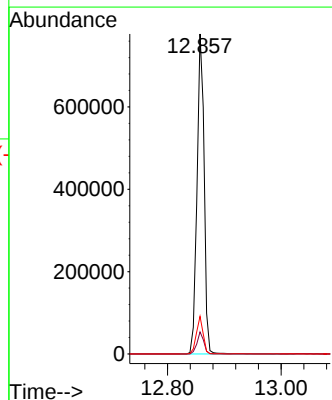
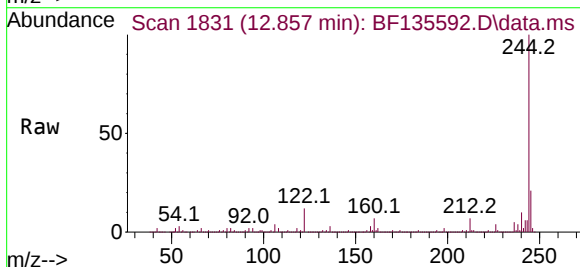
Instrument :
BNA_F
ClientSampleId :
HR-3-092923

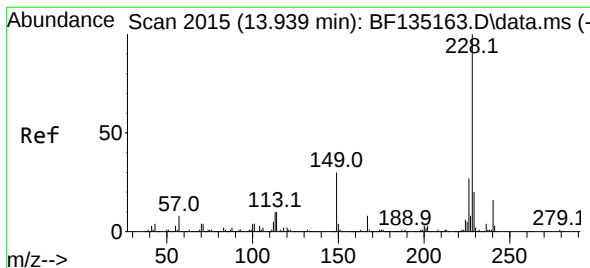
Tgt Ion:202 Resp: 124258
Ion Ratio Lower Upper
202 100
200 18.6 16.2 24.2
203 17.6 14.2 21.4



#79
Terphenyl-d14
Concen: 51.887 ng
RT: 12.857 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

Tgt Ion:244 Resp: 681561
Ion Ratio Lower Upper
244 100
212 6.9 5.1 7.7
122 11.8 7.9 11.9





#81

Benzo(a)anthracene

Concen: 3.555 ng

RT: 13.910 min Scan# 2010

Delta R.T. -0.006 min

Lab File: BF135592.D

Acq: 05 Oct 2023 03:04

Instrument :

BNA_F

ClientSampleId :

HR-3-092923

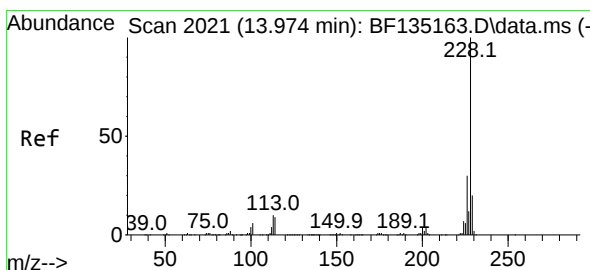
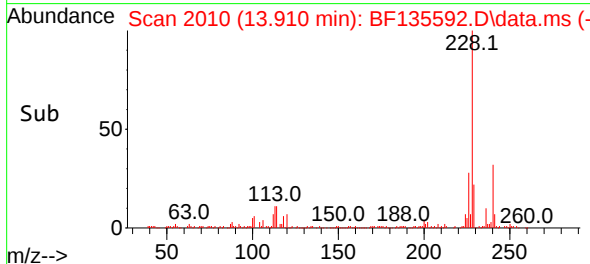
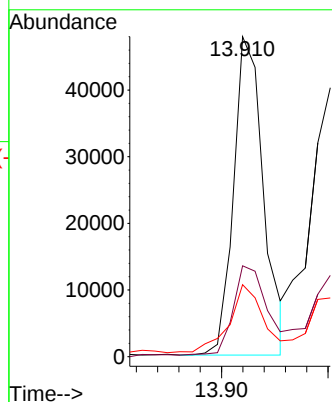
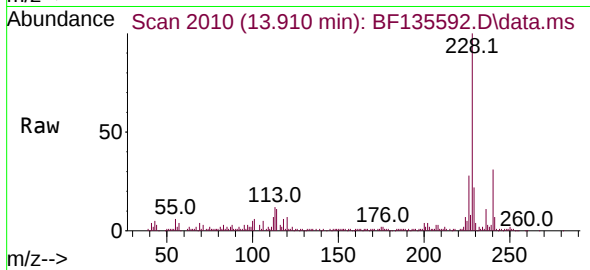
Tgt Ion:228 Resp: 46739

Ion Ratio Lower Upper

228 100

226 28.4 21.7 32.5

229 22.5 15.8 23.8



#83

Chrysene

Concen: 3.349 ng

RT: 13.951 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BF135592.D

Acq: 05 Oct 2023 03:04

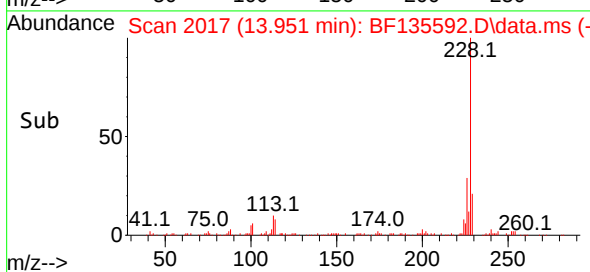
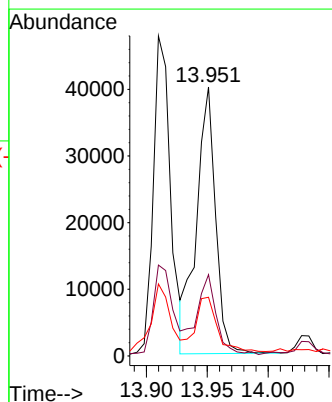
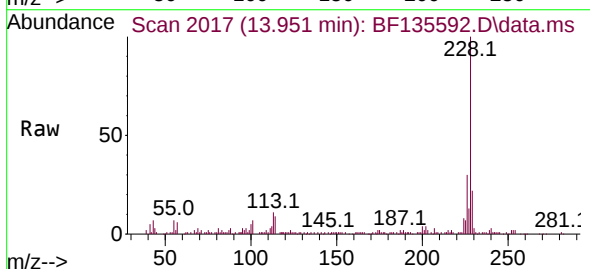
Tgt Ion:228 Resp: 43780

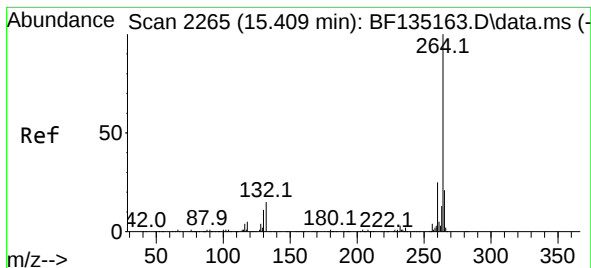
Ion Ratio Lower Upper

228 100

226 30.2 24.3 36.5

229 21.8 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.386 min Scan# 2189

Delta R.T. 0.000 min

Lab File: BF135592.D

Acq: 05 Oct 2023 03:04

Instrument :

BNA_F

ClientSampleId :

HR-3-092923

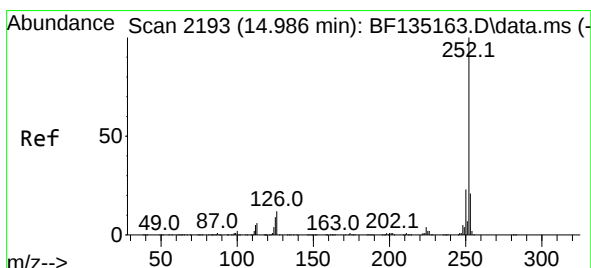
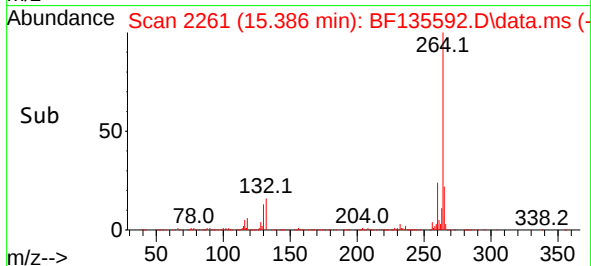
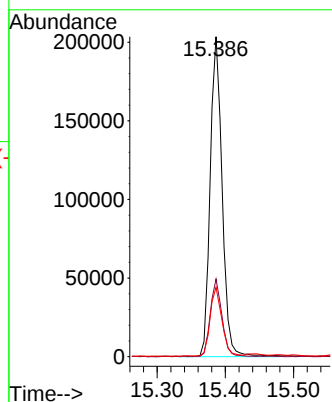
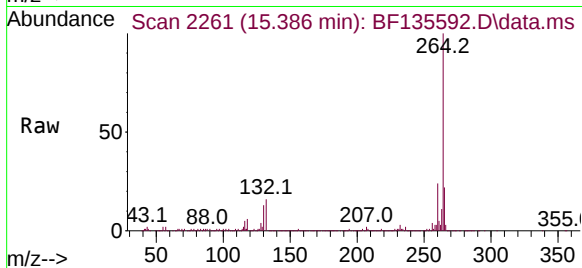
Tgt Ion:264 Resp: 248317

Ion Ratio Lower Upper

264 100

260 24.3 19.8 29.6

265 21.7 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 4.885 ng

RT: 14.963 min Scan# 2189

Delta R.T. 0.000 min

Lab File: BF135592.D

Acq: 05 Oct 2023 03:04

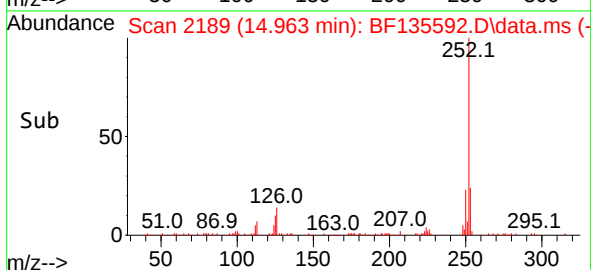
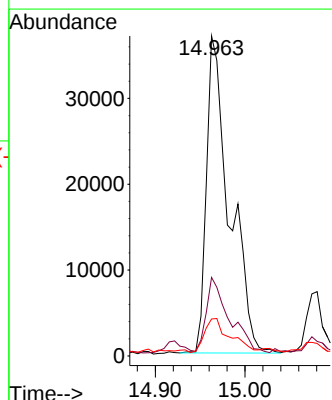
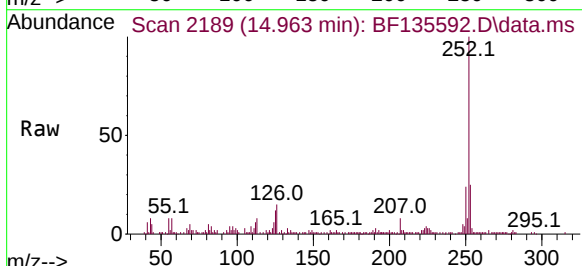
Tgt Ion:252 Resp: 65661

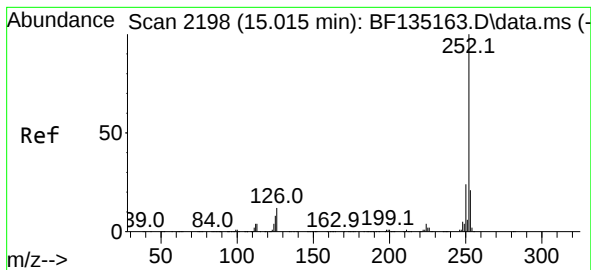
Ion Ratio Lower Upper

252 100

253 24.6 17.2 25.8

125 11.6 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 4.945 ng

RT: 14.963 min Scan# 2198

Delta R.T. -0.029 min

Lab File: BF135592.D

Acq: 05 Oct 2023 03:04

Instrument :

BNA_F

ClientSampleId :

HR-3-092923

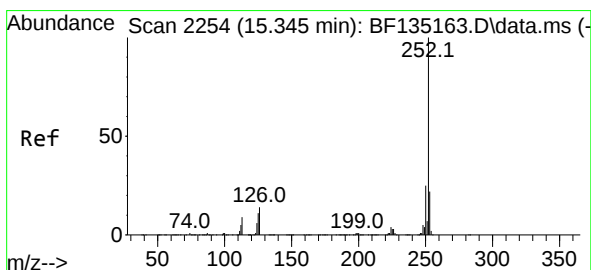
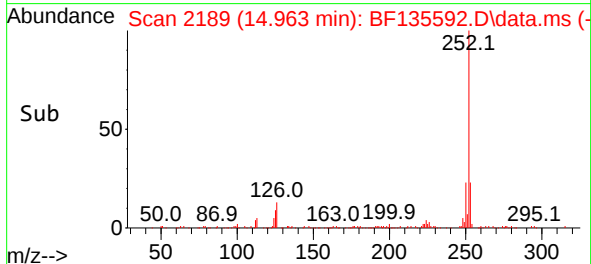
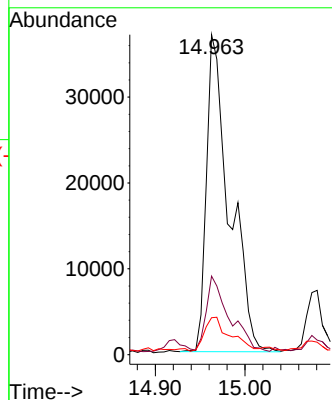
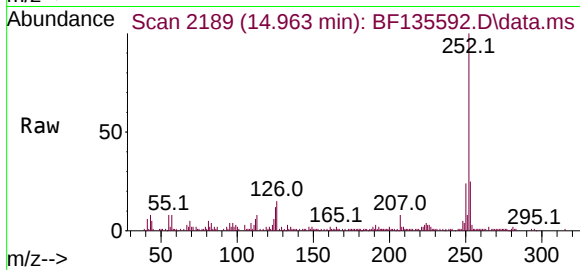
Tgt Ion:252 Resp: 65661

Ion Ratio Lower Upper

252 100

253 24.6 17.4 26.0

125 11.6 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 3.122 ng

RT: 15.327 min Scan# 2251

Delta R.T. 0.000 min

Lab File: BF135592.D

Acq: 05 Oct 2023 03:04

Tgt Ion:252 Resp: 40018

Ion Ratio Lower Upper

252 100

253 24.3 17.5 26.3

125 13.5 9.2 13.8

