

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
 Data File : BF135101.D
 Acq On : 05 Sep 2023 18:22
 Operator : CG\JU
 Sample : 04221-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-5-082923

Quant Time: Sep 06 01:55:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

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

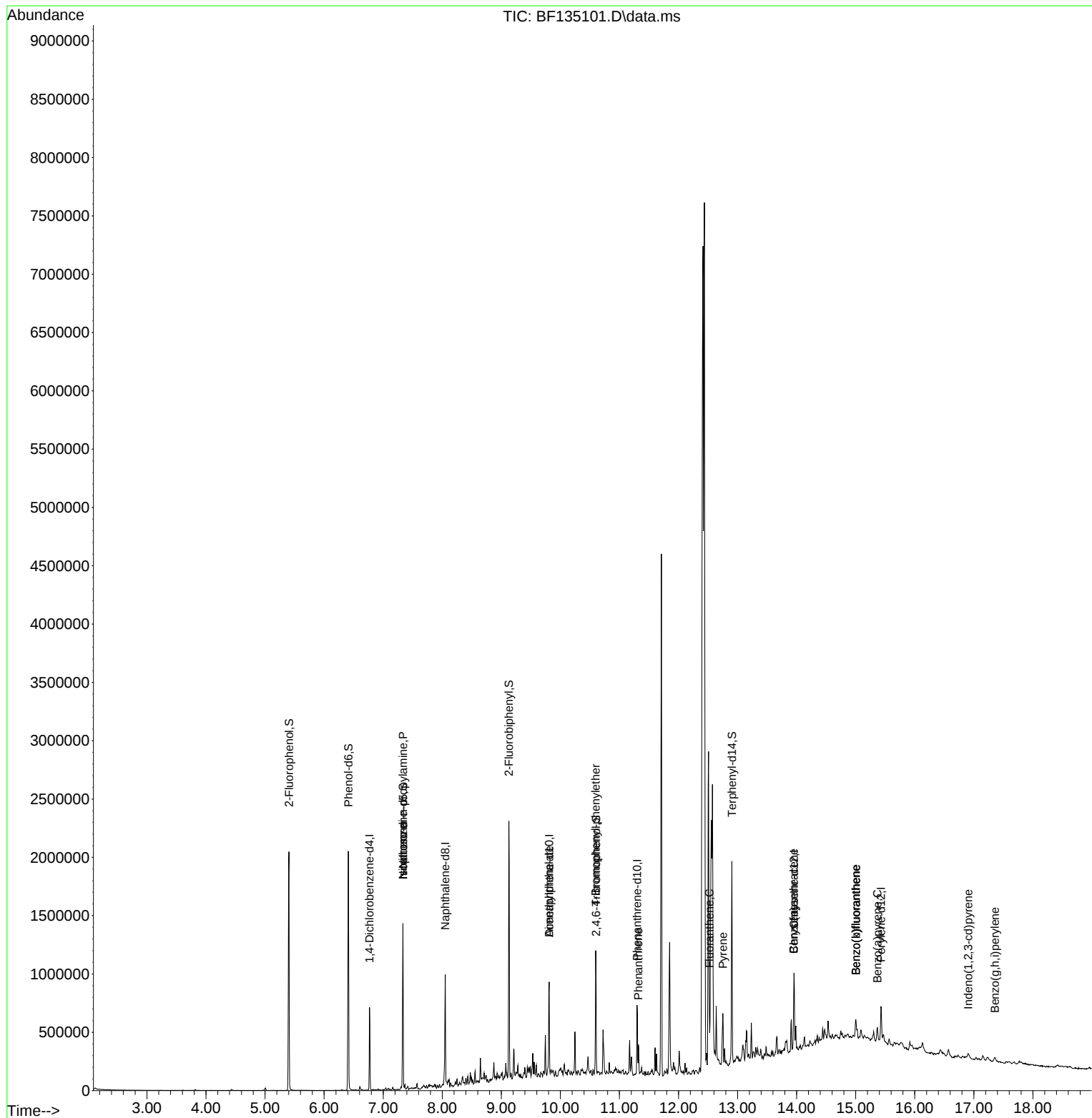
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	96884	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	354962	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	149877	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	223751	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	190047	20.000	ng	0.00
86) Perylene-d12	15.427	264	146152	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	549117	87.545	ng	0.00
7) Phenol-d6	6.410	99	654530	83.720	ng	0.00
23) Nitrobenzene-d5	7.334	82	397227	62.870	ng	-0.01
42) 2,4,6-Tribromophenol	10.604	330	117989	74.212	ng	0.00
45) 2-Fluorobiphenyl	9.128	172	652835	70.917	ng	-0.01
79) Terphenyl-d14	12.904	244	574556	49.336	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.334	70	52995	11.412	ng	# 77
25) Isophorone	7.334	82	395382	33.006	ng	# 65
50) Dimethylphthalate	9.810	163	31115	2.965	ng	# 1
67) 4-Bromophenyl-phenylether	10.598	248	7730	3.257	ng	# 1
71) Phenanthrene	11.321	178	93792	8.125	ng	100
75) Fluoranthene	12.521	202	154324	13.223	ng	99
78) Pyrene	12.751	202	156061	8.649	ng	99
81) Benzo(a)anthracene	13.951	228	88657	6.839	ng	97
83) Chrysene	13.951	228	88657	6.959	ng	96
87) Indeno(1,2,3-cd)pyrene	16.903	276	26174	2.659	ng	94
88) Benzo(b)fluoranthene	15.004	252	107656	11.838	ng	# 91
89) Benzo(k)fluoranthene	15.004	252	107656	12.254	ng	# 90
90) Benzo(a)pyrene	15.368	252	51617	6.110	ng	# 93
92) Benzo(g,h,i)perylene	17.356	276	27789	3.351	ng	# 94

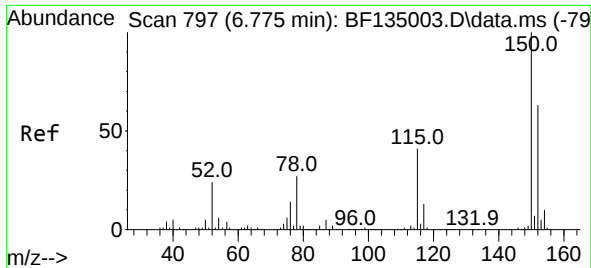
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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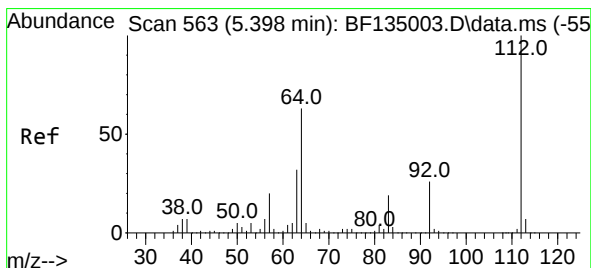
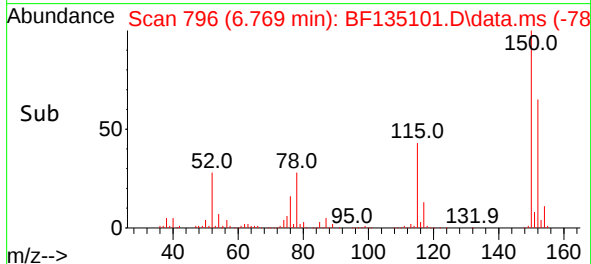
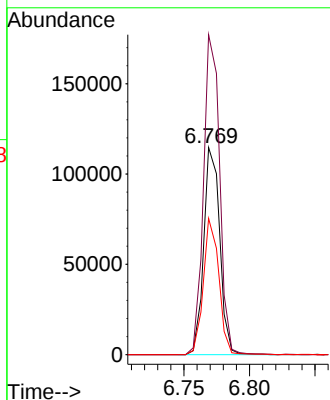
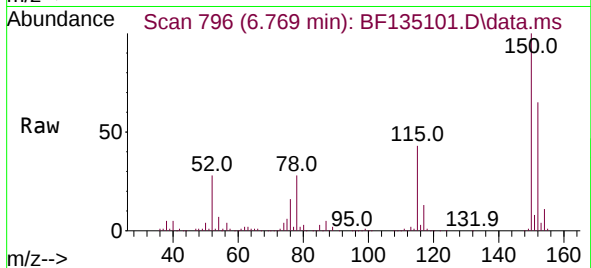




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

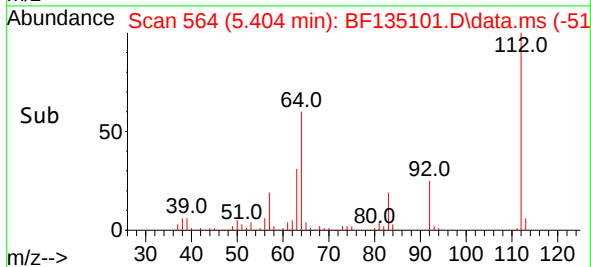
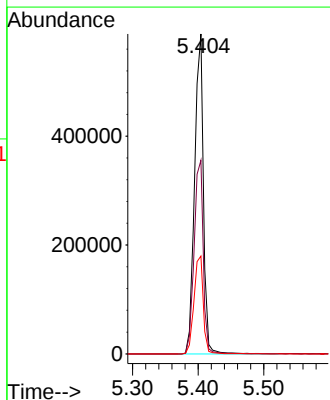
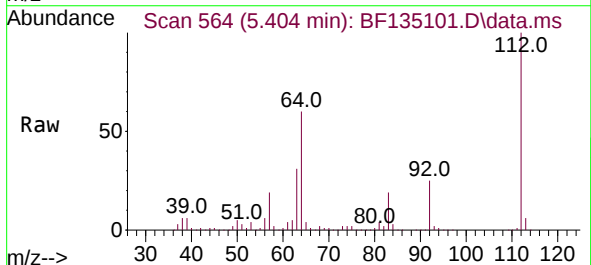
Instrument :
BNA_F
ClientSampleId :
AU-5-082923

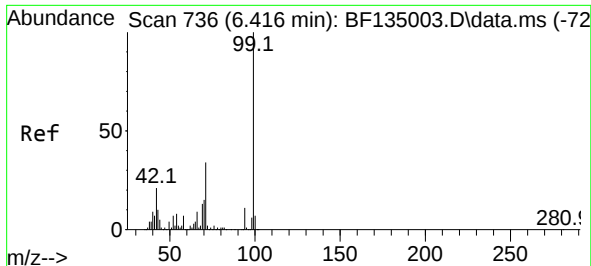
Tgt Ion:152 Resp: 96884
Ion Ratio Lower Upper
152 100
150 154.5 126.2 189.4
115 65.8 51.2 76.8



#5
2-Fluorophenol
Concen: 87.545 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

Tgt Ion:112 Resp: 549117
Ion Ratio Lower Upper
112 100
64 60.5 50.5 75.7
63 30.6 25.9 38.9

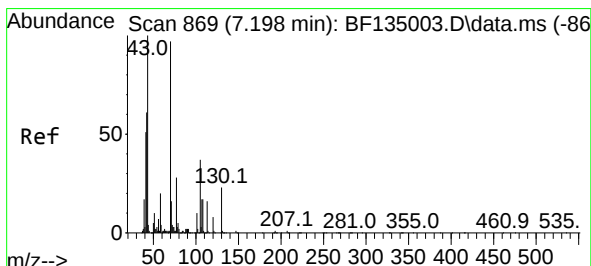
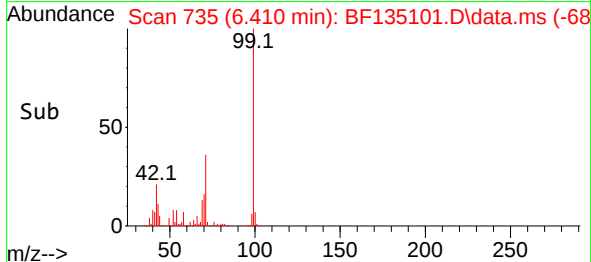
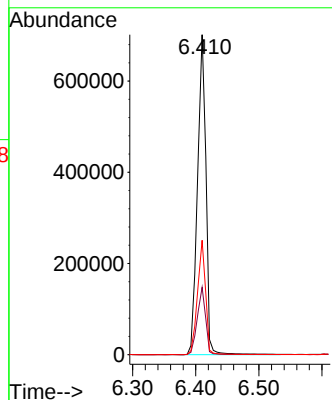
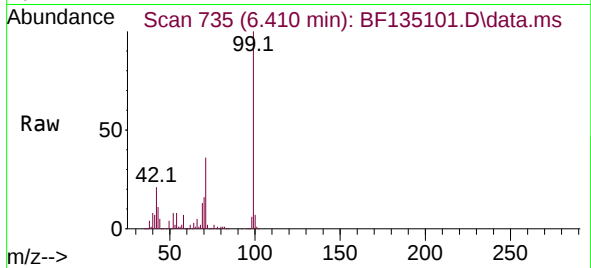




#7
Phenol-d6
Concen: 83.720 ng
RT: 6.410 min Scan# 736
Delta R.T. -0.006 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

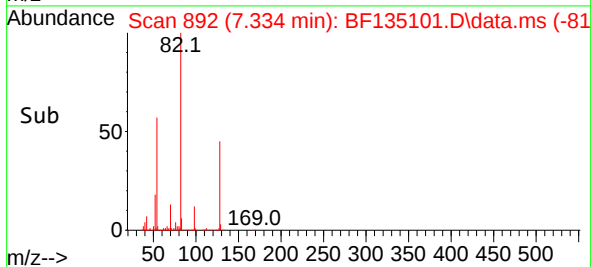
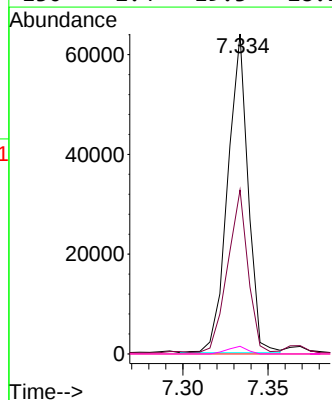
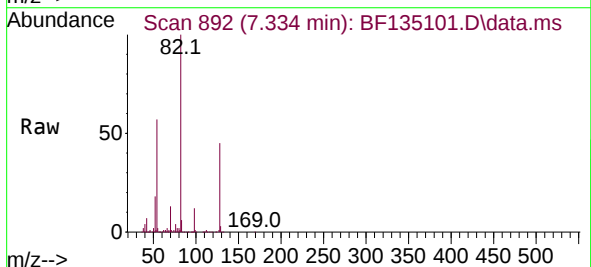
Instrument :
BNA_F
ClientSampleId :
AU-5-082923

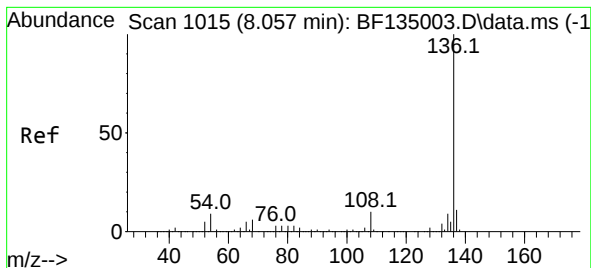
Tgt Ion: 99 Resp: 654530
Ion Ratio Lower Upper
99 100
42 21.0 16.6 25.0
71 35.7 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.412 ng
RT: 7.334 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

Tgt Ion: 70 Resp: 52995
Ion Ratio Lower Upper
70 100
42 51.2 50.2 75.4
101 0.0 8.1 12.1#
130 2.4 19.3 28.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.051 min Scan# 10

Delta R.T. -0.006 min

Lab File: BF135101.D

Acq: 05 Sep 2023 18:22

Instrument :

BNA_F

ClientSampleId :

AU-5-082923

Tgt Ion:136 Resp: 354962

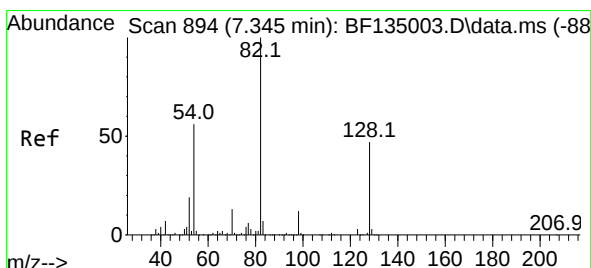
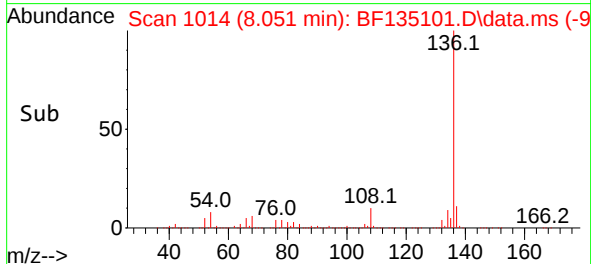
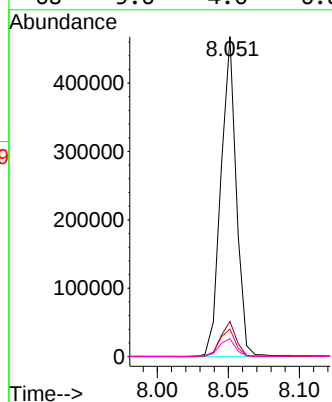
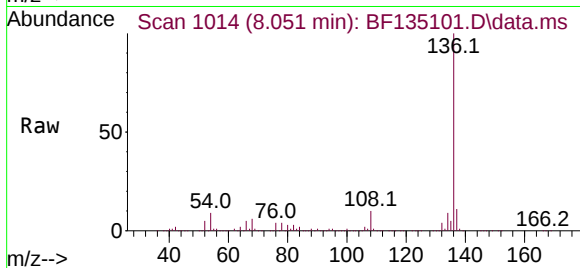
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 8.6 7.0 10.4

68 5.6 4.6 6.8



#23

Nitrobenzene-d5

Concen: 62.870 ng

RT: 7.334 min Scan# 892

Delta R.T. -0.012 min

Lab File: BF135101.D

Acq: 05 Sep 2023 18:22

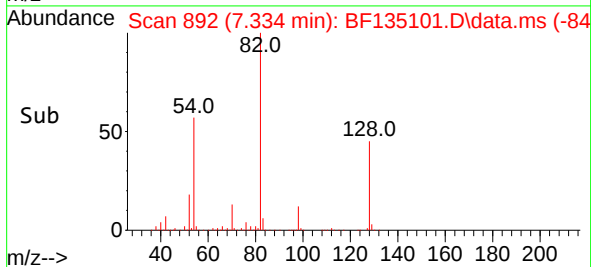
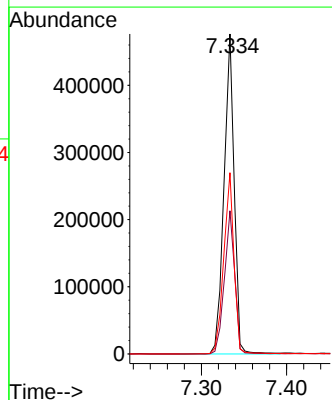
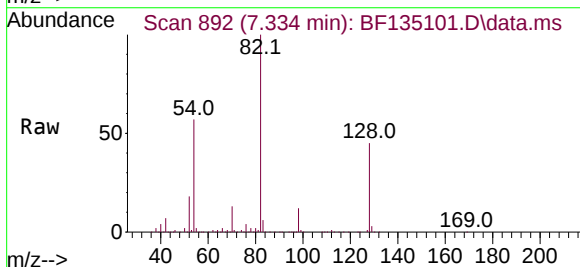
Tgt Ion: 82 Resp: 397227

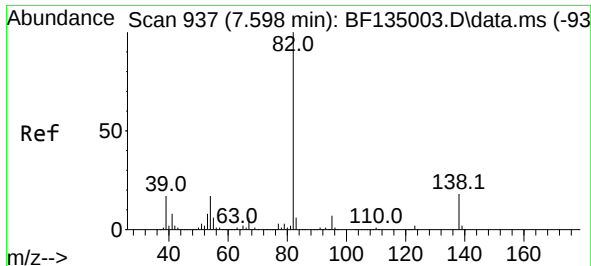
Ion Ratio Lower Upper

82 100

128 44.7 37.8 56.8

54 56.6 45.0 67.6

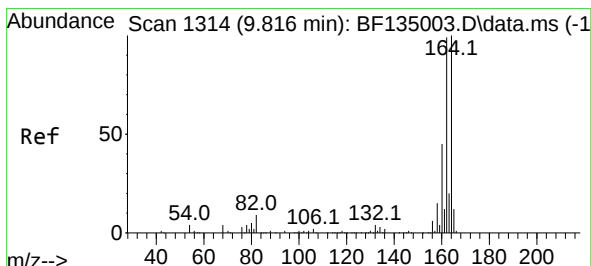
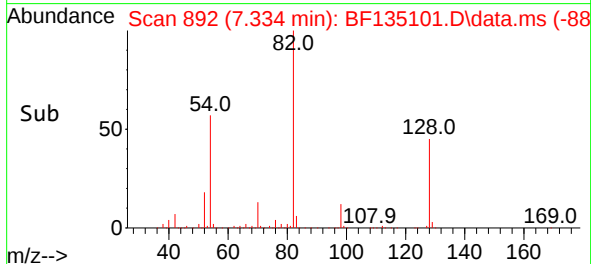
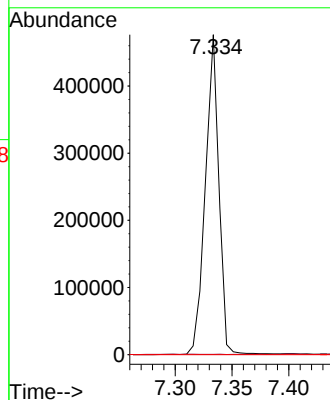
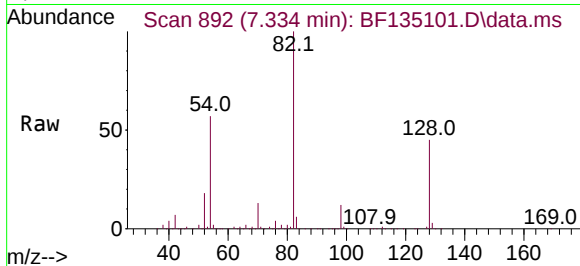




#25
Isophorone
Concen: 33.006 ng
RT: 7.334 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

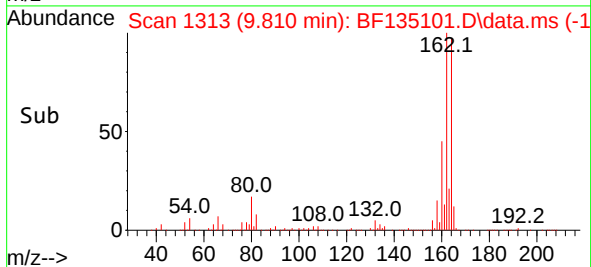
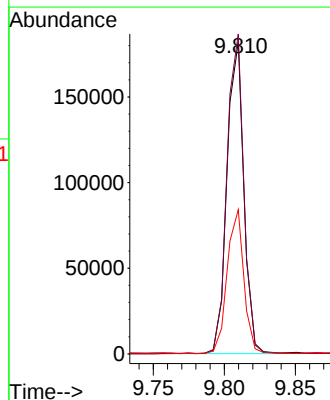
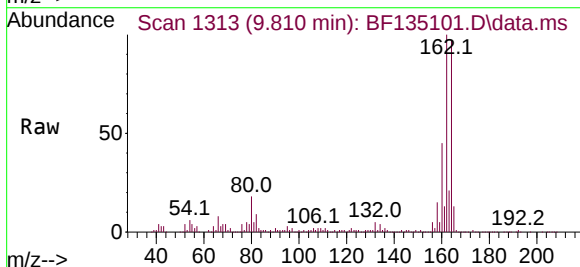
Instrument :
BNA_F
ClientSampleId :
AU-5-082923

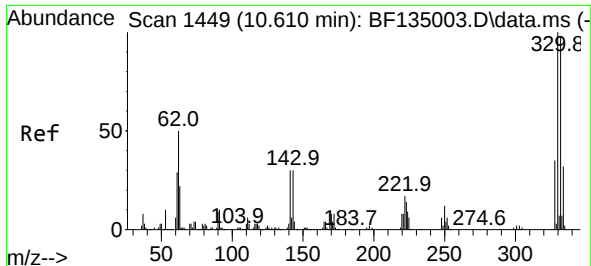
Tgt Ion: 82 Resp: 395382
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

Tgt Ion:164 Resp: 149877
Ion Ratio Lower Upper
164 100
162 102.6 79.5 119.3
160 46.2 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 74.212 ng

RT: 10.604 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF135101.D

Acq: 05 Sep 2023 18:22

Instrument :

BNA_F

ClientSampleId :

AU-5-082923

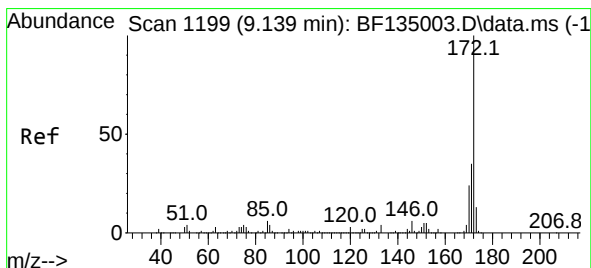
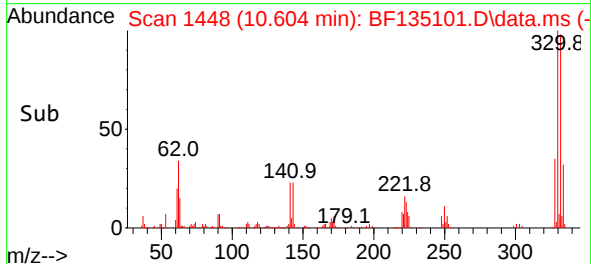
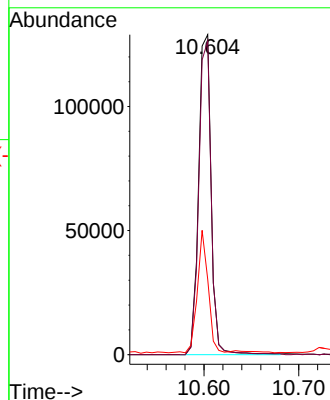
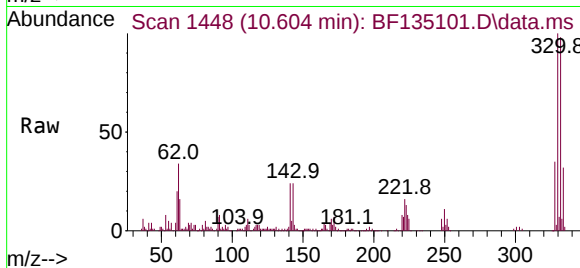
Tgt Ion:330 Resp: 117989

Ion Ratio Lower Upper

330 100

332 96.7 77.6 116.4

141 32.6 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 70.917 ng

RT: 9.128 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF135101.D

Acq: 05 Sep 2023 18:22

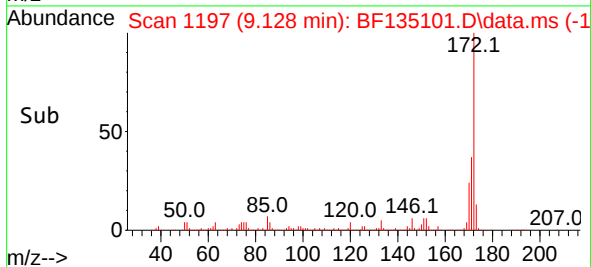
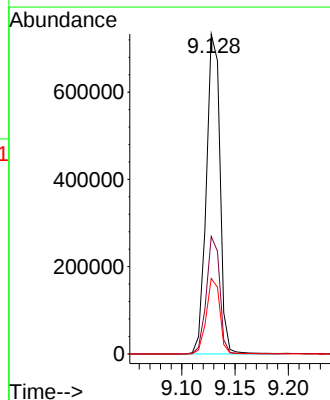
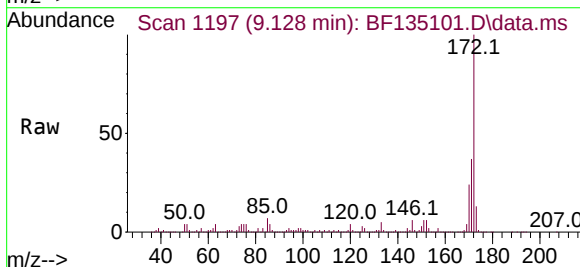
Tgt Ion:172 Resp: 652835

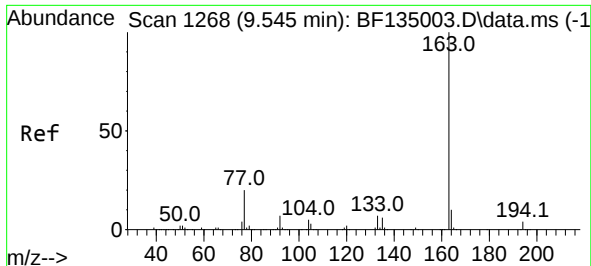
Ion Ratio Lower Upper

172 100

171 36.7 28.2 42.2

170 23.6 19.0 28.4

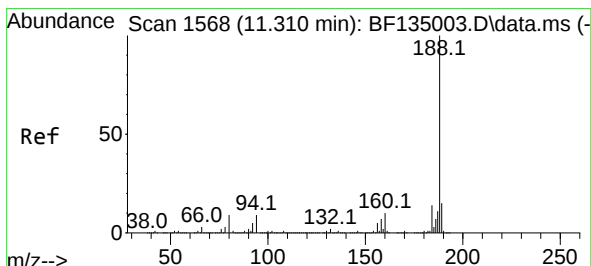
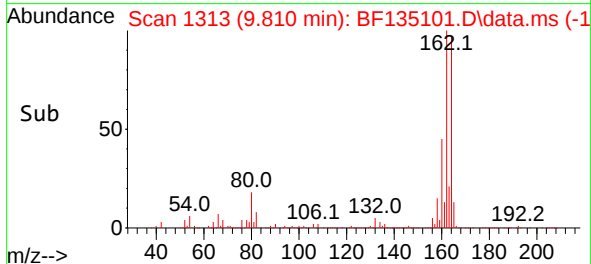
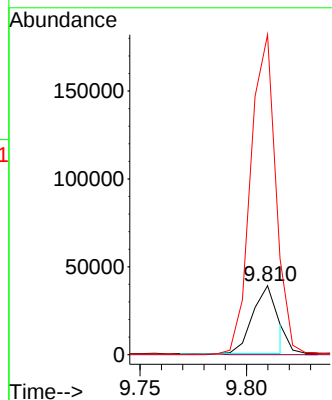
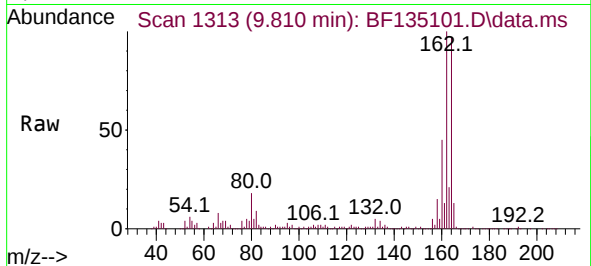




#50
Dimethylphthalate
Concen: 2.965 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.265 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

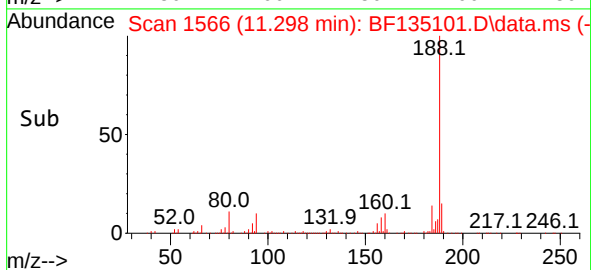
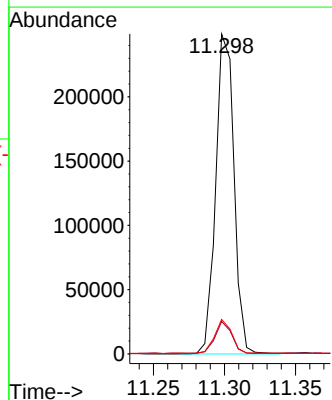
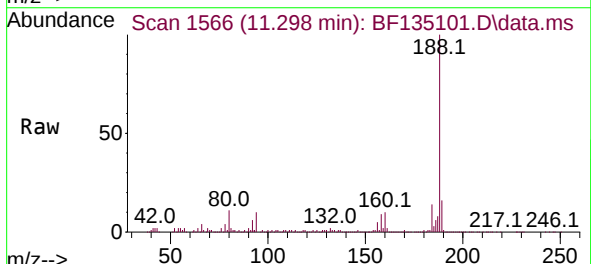
Instrument :
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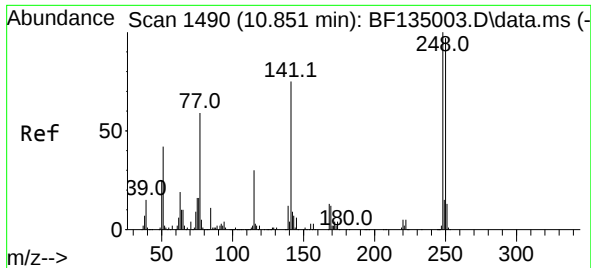
Tgt Ion:163 Resp: 31115
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 464.4 8.1 12.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

Tgt Ion:188 Resp: 223751
Ion Ratio Lower Upper
188 100
94 10.1 7.0 10.4
80 10.8 7.4 11.2

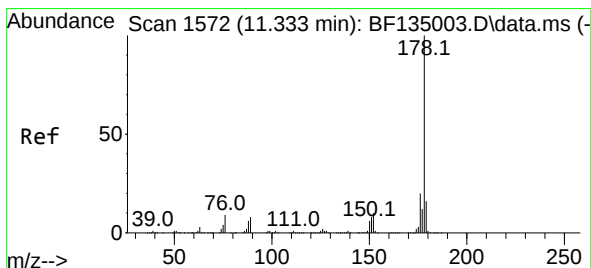
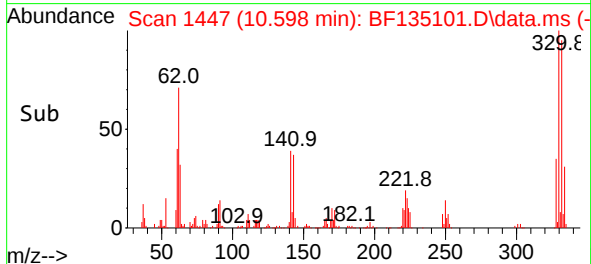
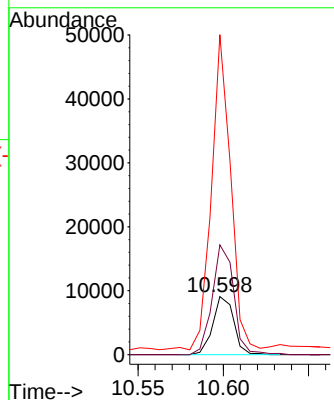
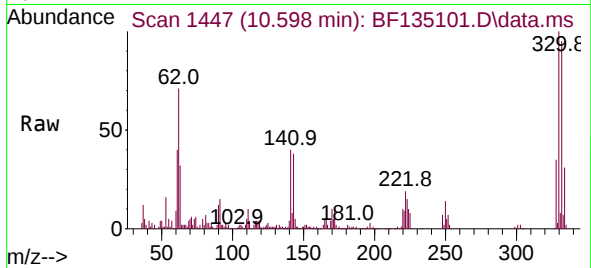




#67
4-Bromophenyl-phenylether
Concen: 3.257 ng
RT: 10.598 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

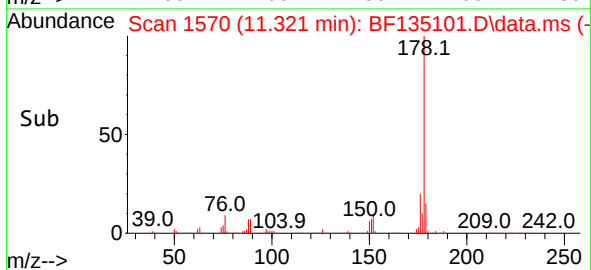
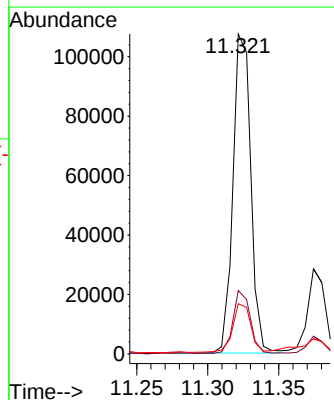
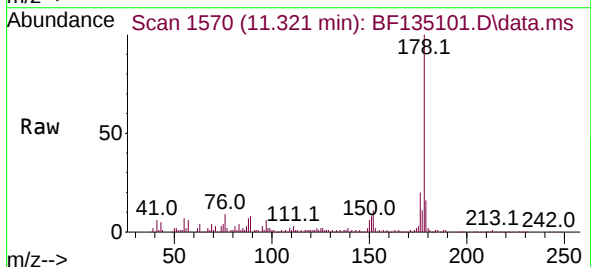
Instrument :
BNA_F
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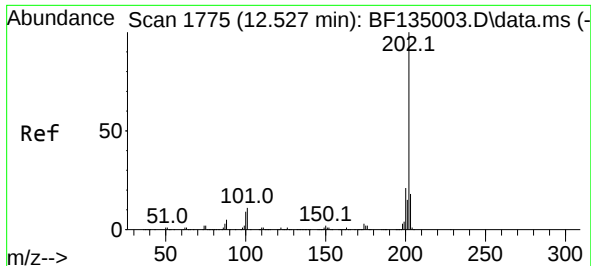
Tgt Ion:248 Resp: 7730
Ion Ratio Lower Upper
248 100
250 188.9 77.9 116.9#
141 551.6 59.8 89.8#



#71
Phenanthrene
Concen: 8.125 ng
RT: 11.321 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

Tgt Ion:178 Resp: 93792
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 15.7 12.5 18.7

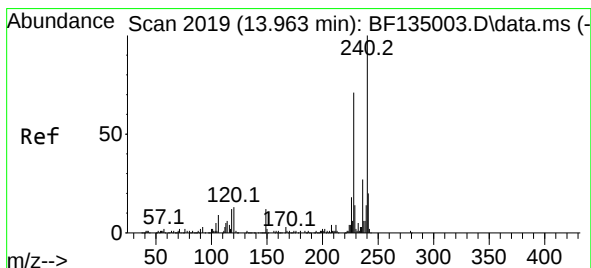
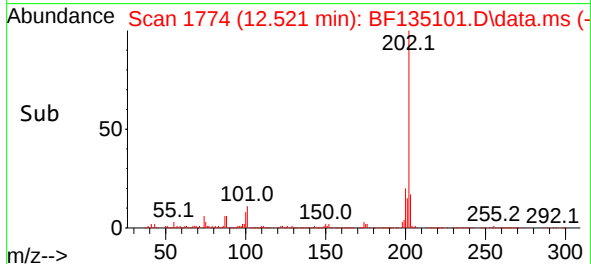
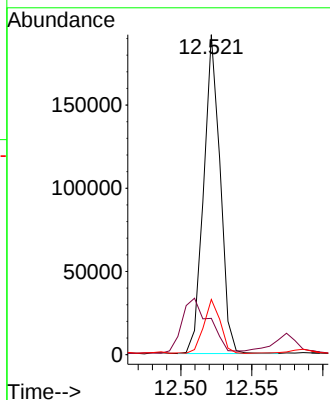
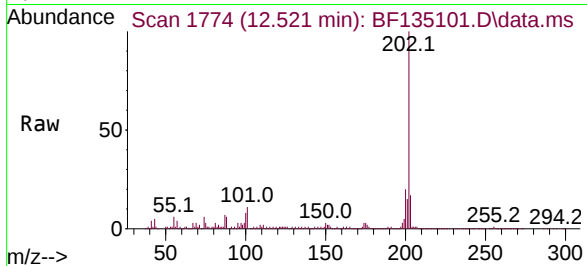




#75
Fluoranthene
Concen: 13.223 ng
RT: 12.521 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

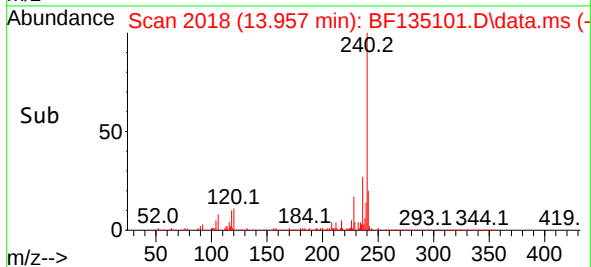
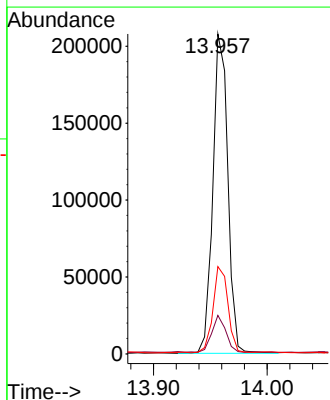
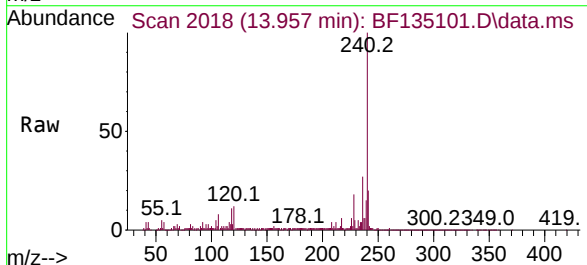
Instrument :
BNA_F
ClientSampleId :
AU-5-082923

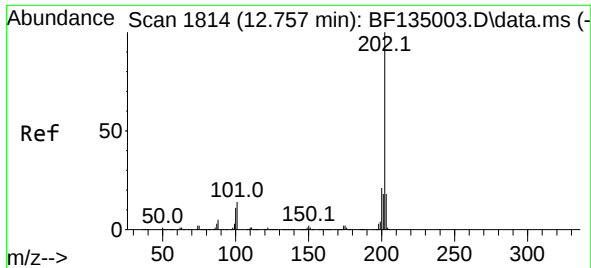
Tgt Ion:202 Resp: 154324
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.5
203 17.2 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

Tgt Ion:240 Resp: 190047
Ion Ratio Lower Upper
240 100
120 12.0 10.2 15.2
236 27.3 21.3 31.9

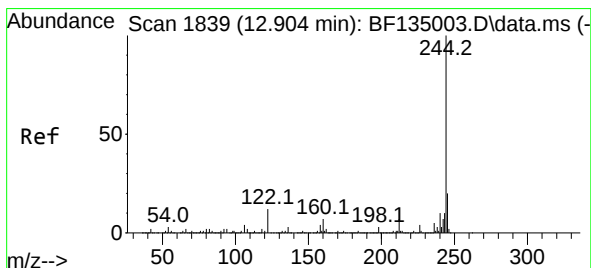
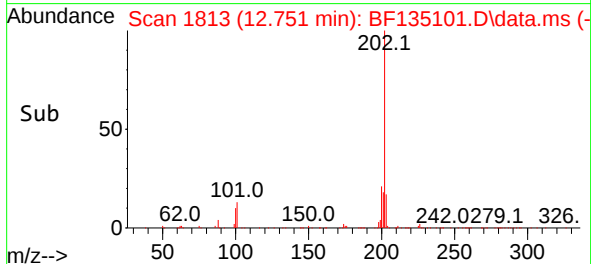
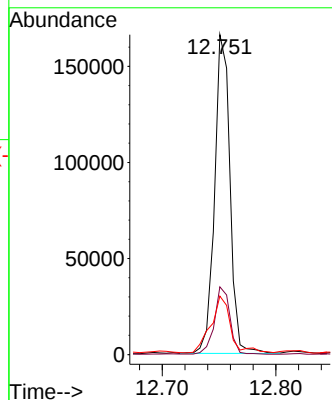
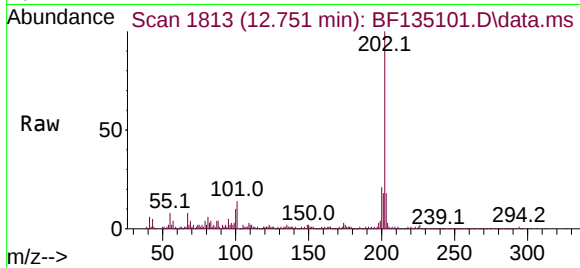




#78
Pyrene
Concen: 8.649 ng
RT: 12.751 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

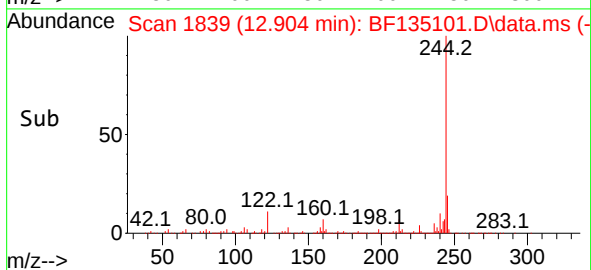
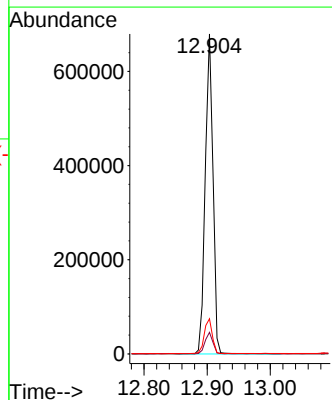
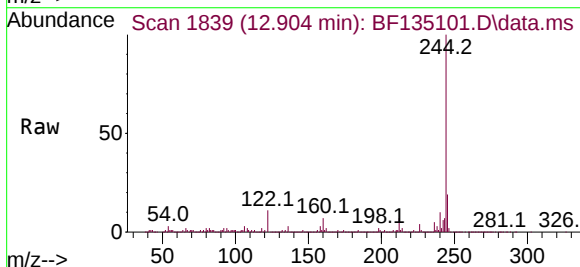
Instrument :
BNA_F
ClientSampleId :
AU-5-082923

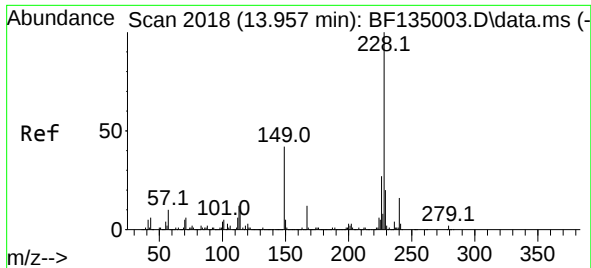
Tgt Ion:202 Resp: 156061
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.6
203 18.3 14.2 21.2



#79
Terphenyl-d14
Concen: 49.336 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.000 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

Tgt Ion:244 Resp: 574556
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 11.0 9.8 14.6

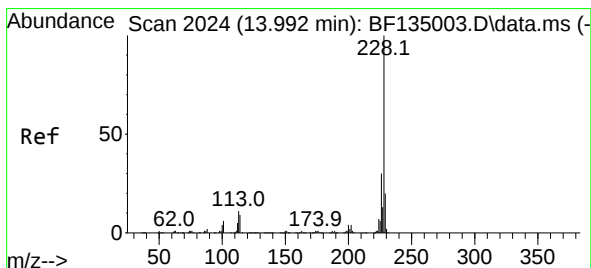
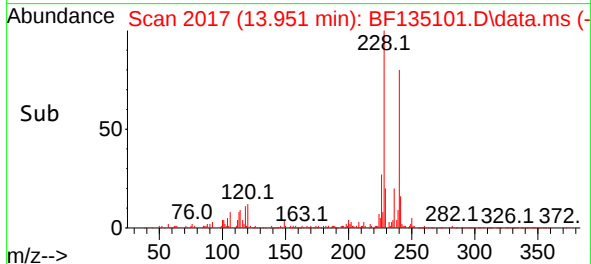
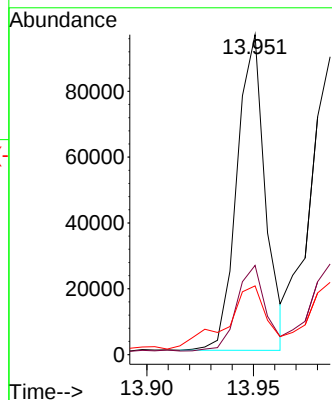
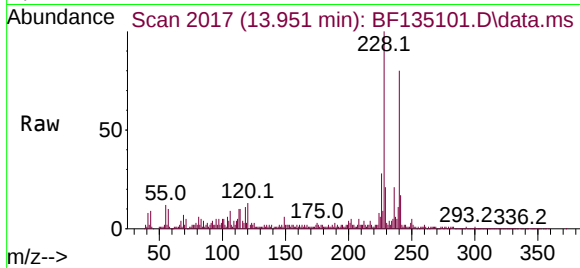




#81
Benzo(a)anthracene
Concen: 6.839 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

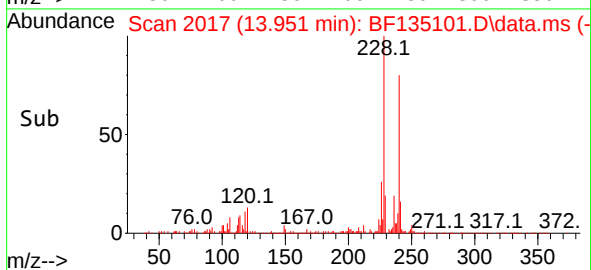
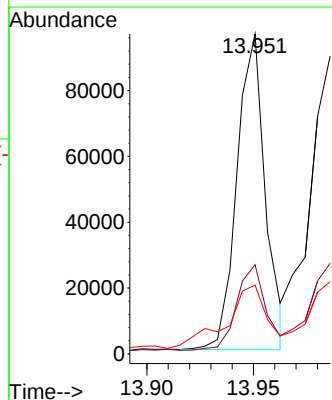
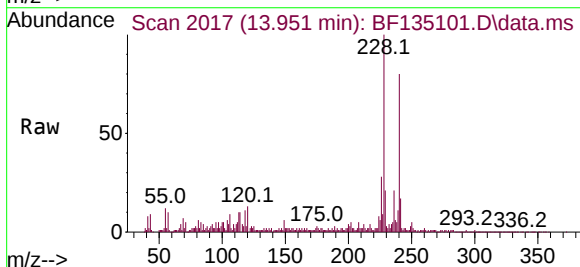
Instrument :
BNA_F
ClientSampleId :
AU-5-082923

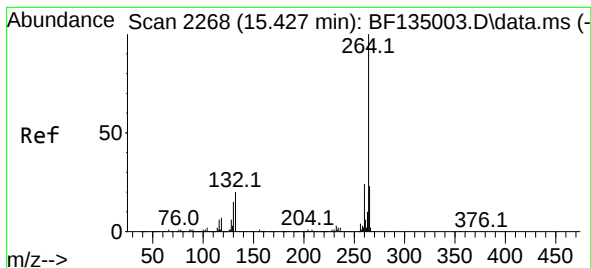
Tgt Ion:228 Resp: 88657
Ion Ratio Lower Upper
228 100
226 27.9 21.6 32.4
229 21.5 15.6 23.4



#83
Chrysene
Concen: 6.959 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.041 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

Tgt Ion:228 Resp: 88657
Ion Ratio Lower Upper
228 100
226 27.9 24.2 36.4
229 21.5 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135101.D

Acq: 05 Sep 2023 18:22

Instrument :

BNA_F

ClientSampleId :

AU-5-082923

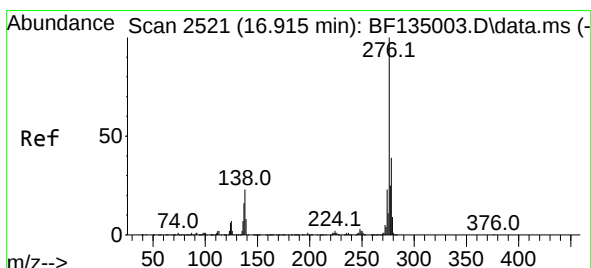
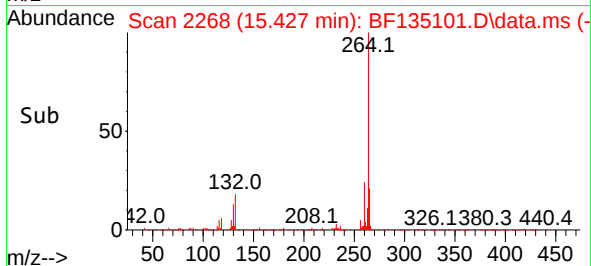
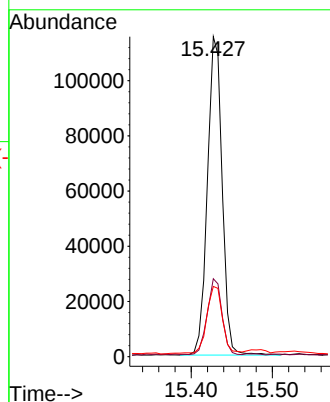
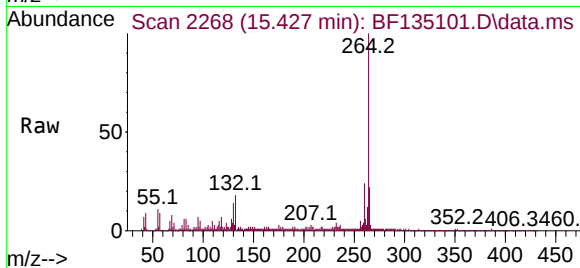
Tgt Ion:264 Resp: 146152

Ion Ratio Lower Upper

264 100

260 24.3 19.0 28.6

265 21.9 18.2 27.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.659 ng

RT: 16.903 min Scan# 2519

Delta R.T. -0.012 min

Lab File: BF135101.D

Acq: 05 Sep 2023 18:22

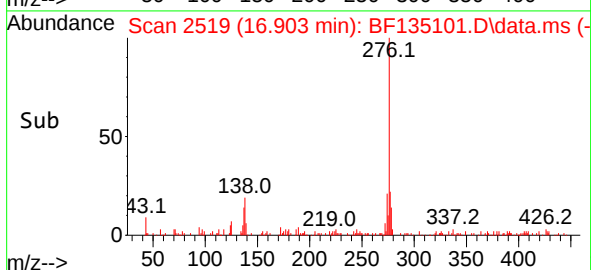
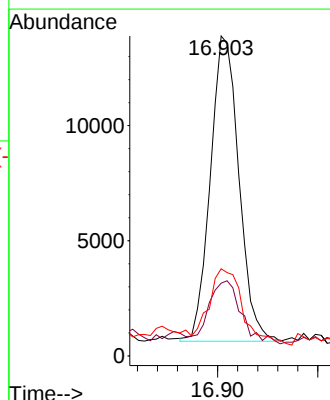
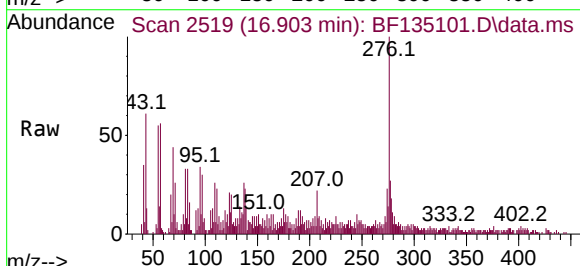
Tgt Ion:276 Resp: 26174

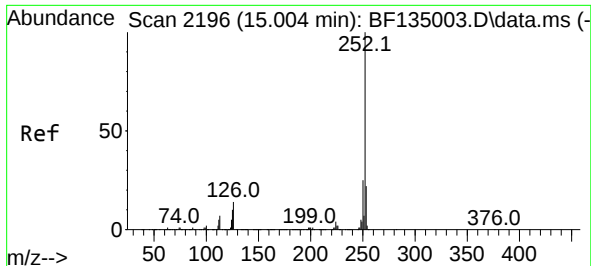
Ion Ratio Lower Upper

276 100

138 23.7 20.2 30.2

277 29.8 20.4 30.6

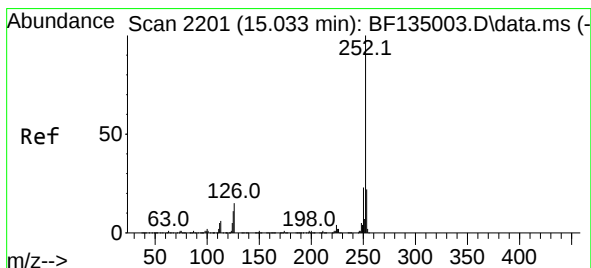
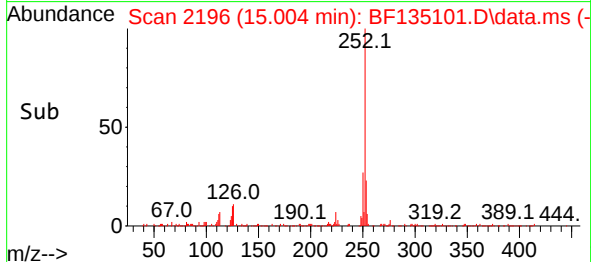
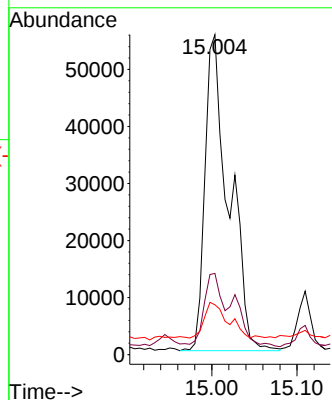
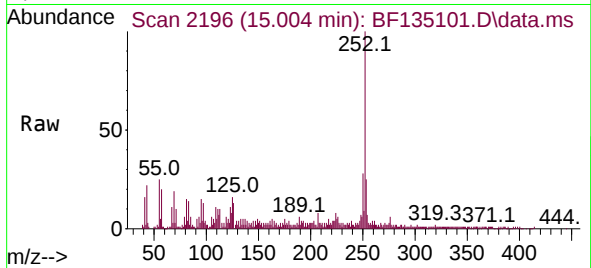




#88
Benzo(b)fluoranthene
Concen: 11.838 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

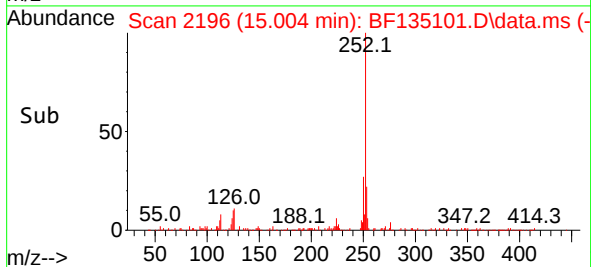
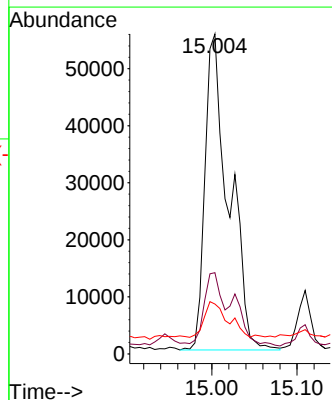
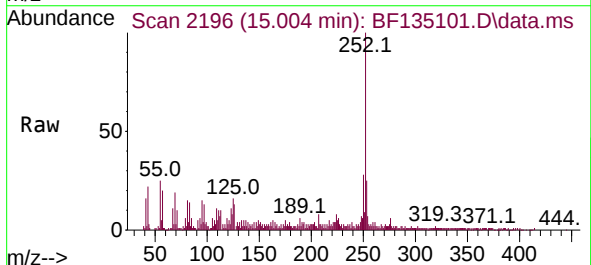
Instrument :
BNA_F
ClientSampleId :
AU-5-082923

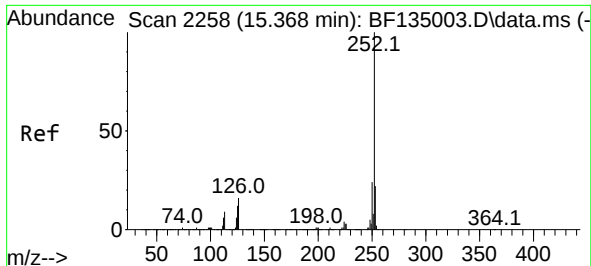
Tgt Ion:252 Resp: 107656
Ion Ratio Lower Upper
252 100
253 25.4 17.8 26.8
125 15.6 8.4 12.6#



#89
Benzo(k)fluoranthene
Concen: 12.254 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.029 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

Tgt Ion:252 Resp: 107656
Ion Ratio Lower Upper
252 100
253 25.4 17.4 26.0
125 15.6 8.5 12.7#

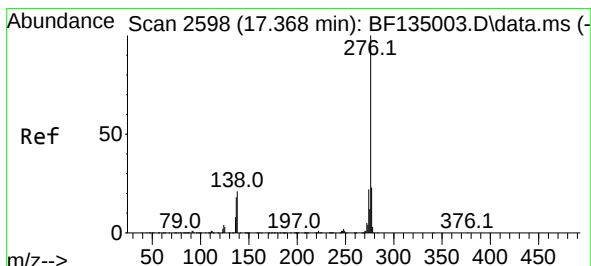
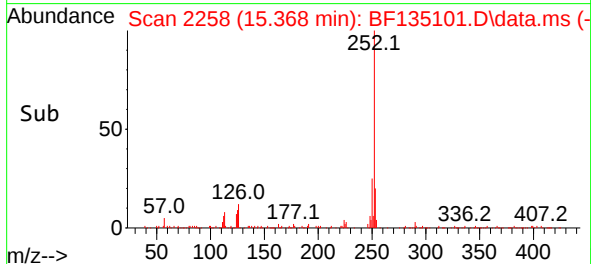
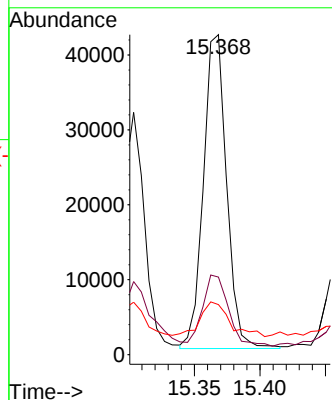
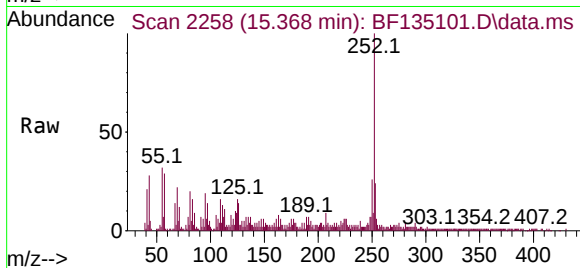




#90
Benzo(a)pyrene
Concen: 6.110 ng
RT: 15.368 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

Instrument :
BNA_F
ClientSampleId :
AU-5-082923

Tgt Ion:252 Resp: 51617
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 15.6 9.5 14.3#



#92
Benzo(g,h,i)perylene
Concen: 3.351 ng
RT: 17.356 min Scan# 2596
Delta R.T. -0.012 min
Lab File: BF135101.D
Acq: 05 Sep 2023 18:22

Tgt Ion:276 Resp: 27789
Ion Ratio Lower Upper
276 100
277 28.0 18.5 27.7#
138 22.6 17.1 25.7

