

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF083023\
 Data File : BF135033.D
 Acq On : 31 Aug 2023 06:36
 Operator : CG\JU
 Sample : 04183-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-02-082523

Quant Time: Aug 31 07:04:20 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

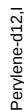
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

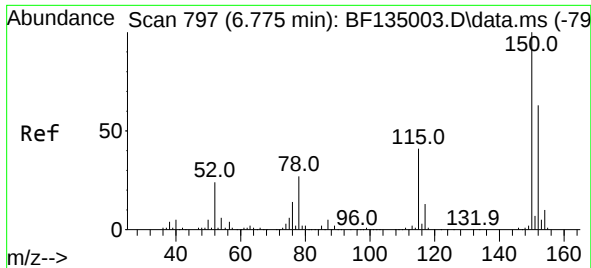
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.775	152	127605	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	480054	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	198048	20.000	ng	0.00
64) Phenanthrene-d10	11.304	188	310365	20.000	ng	0.00
76) Chrysene-d12	13.957	240	245870	20.000	ng	0.00
86) Perylene-d12	15.433	264	175734	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	565308	68.429	ng	0.00
7) Phenol-d6	6.410	99	668373	64.909	ng	0.00
23) Nitrobenzene-d5	7.334	82	403041	47.168	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	121465	57.816	ng	-0.01
45) 2-Fluorobiphenyl	9.128	172	624445	51.334	ng	-0.01
79) Terphenyl-d14	12.898	244	513787	34.101	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.334	70	54054	8.837	ng	# 76
25) Isophorone	7.334	82	403036	24.877	ng	# 65
50) Dimethylphthalate	9.810	163	41019	2.958	ng	# 1
51) 2,6-Dinitrotoluene	9.810	165	25462	8.368	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	25462	6.714	ng	# 20
67) 4-Bromophenyl-phenylether	10.598	248	7778	2.363	ng	# 1
69) Atrazine	11.016	200	564	Below Cal		# 32
71) Phenanthrene	11.327	178	40450	2.526	ng	99
72) Anthracene	11.327	178	40450	2.473	ng	99
75) Fluoranthene	12.522	202	72082	4.453	ng	99
78) Pyrene	12.751	202	71810	3.076	ng	96
83) Chrysene	13.986	228	33542	2.035	ng	96
88) Benzo(b)fluoranthene	14.998	252	35537	3.250	ng	# 77
89) Benzo(k)fluoranthene	14.998	252	35537	3.364	ng	# 76

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

HR-02-082523

Response via : Initial Calibration

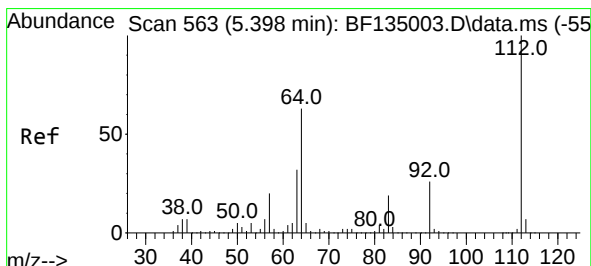
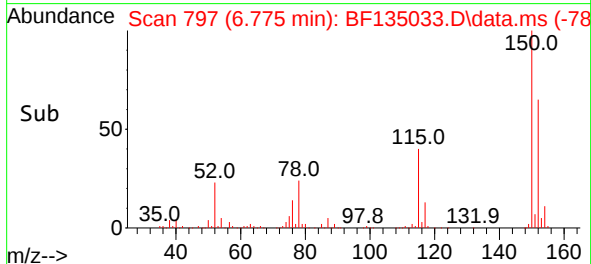
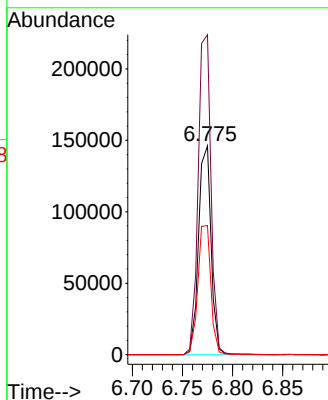
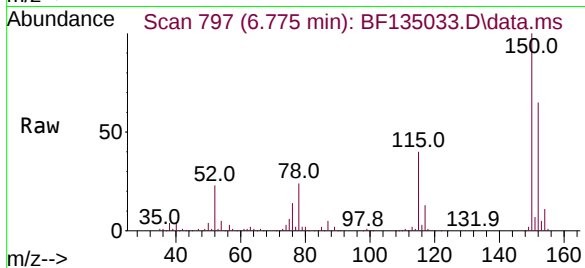




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.775 min Scan# 797
 Delta R.T. -0.000 min
 Lab File: BF135033.D
 Acq: 31 Aug 2023 06:36

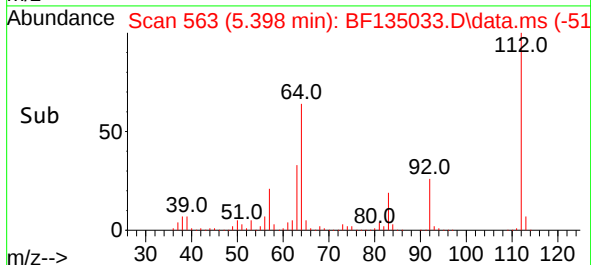
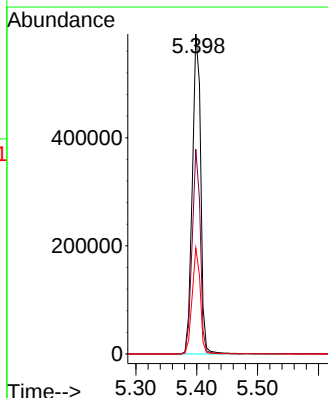
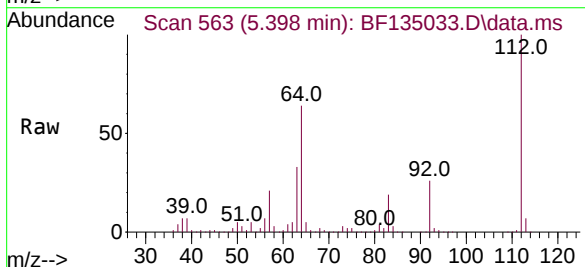
Instrument :
 BNA_F
 ClientSampleId :
 HR-02-082523

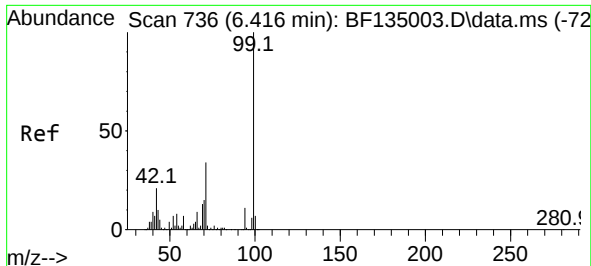
Tgt Ion:152 Resp: 127605
 Ion Ratio Lower Upper
 152 100
 150 153.3 126.2 189.4
 115 61.8 51.2 76.8



#5
 2-Fluorophenol
 Concen: 68.429 ng
 RT: 5.398 min Scan# 563
 Delta R.T. 0.000 min
 Lab File: BF135033.D
 Acq: 31 Aug 2023 06:36

Tgt Ion:112 Resp: 565308
 Ion Ratio Lower Upper
 112 100
 64 64.0 50.5 75.7
 63 33.2 25.9 38.9





#7

Phenol-d6

Concen: 64.909 ng

RT: 6.410 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF135033.D

Acq: 31 Aug 2023 06:36

Instrument :

BNA_F

ClientSampleId :

HR-02-082523

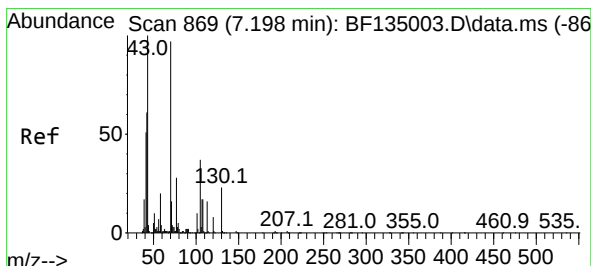
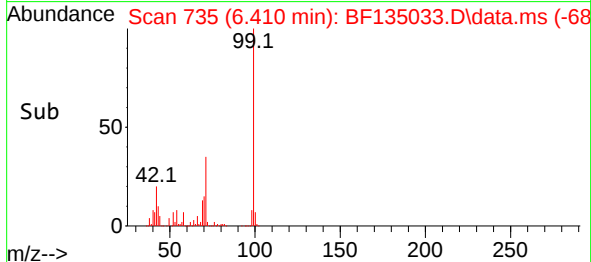
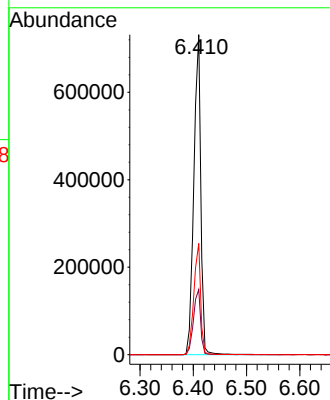
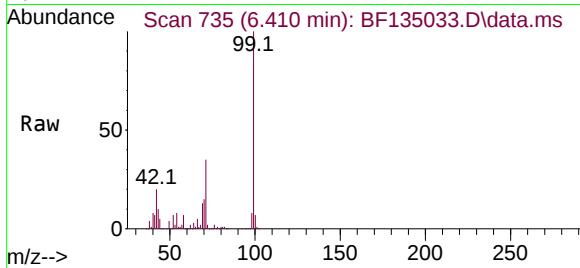
Tgt Ion: 99 Resp: 668373

Ion Ratio Lower Upper

99 100

42 20.4 16.6 25.0

71 34.7 27.0 40.6



#19

n-Nitroso-di-n-propylamine

Concen: 8.837 ng

RT: 7.334 min Scan# 892

Delta R.T. 0.135 min

Lab File: BF135033.D

Acq: 31 Aug 2023 06:36

Tgt Ion: 70 Resp: 54054

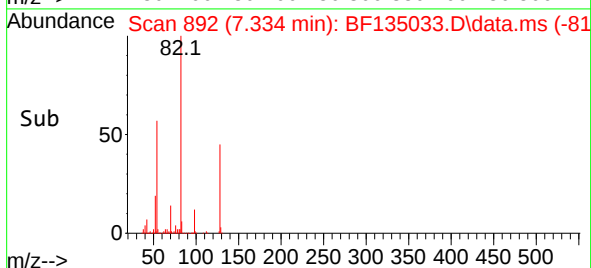
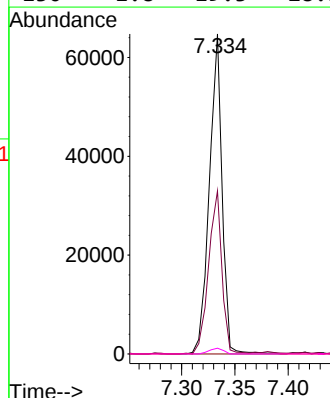
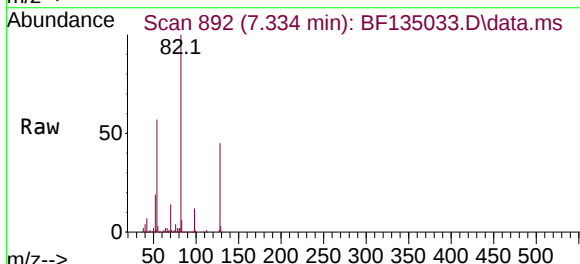
Ion Ratio Lower Upper

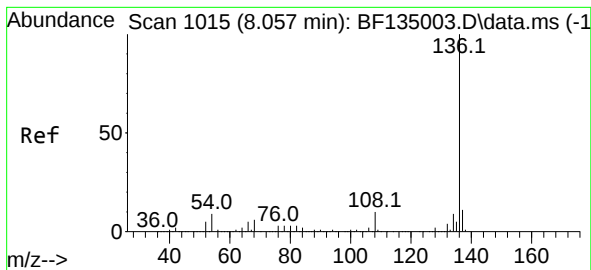
70 100

42 51.0 50.2 75.4

101 0.0 8.1 12.1#

130 1.8 19.3 28.9#

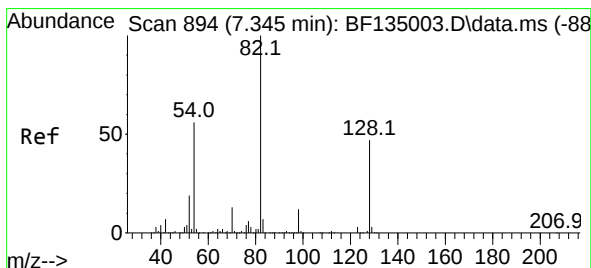
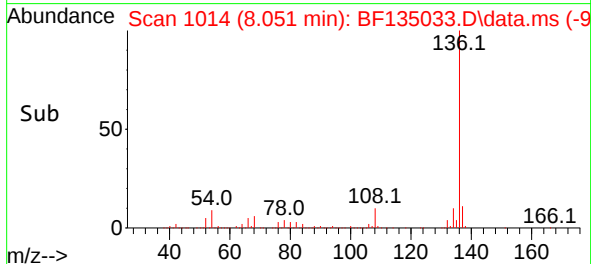
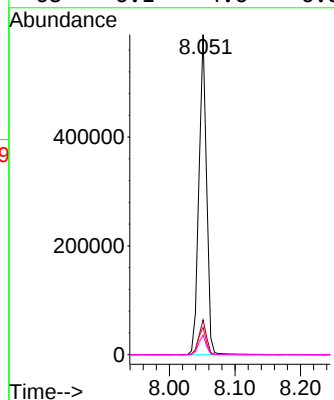
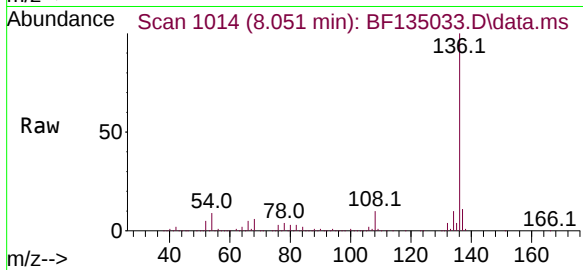




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135033.D
Acq: 31 Aug 2023 06:36

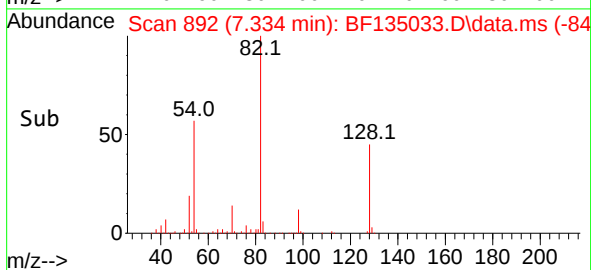
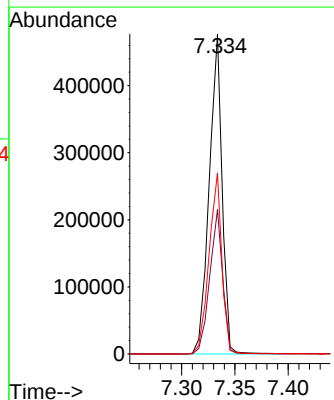
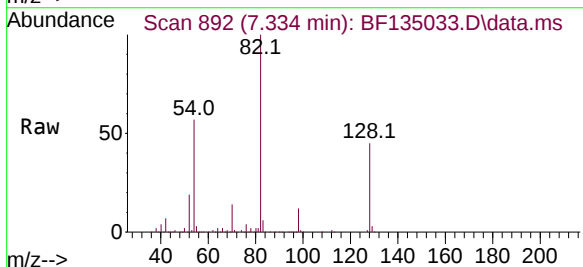
Instrument :
BNA_F
ClientSampleId :
HR-02-082523

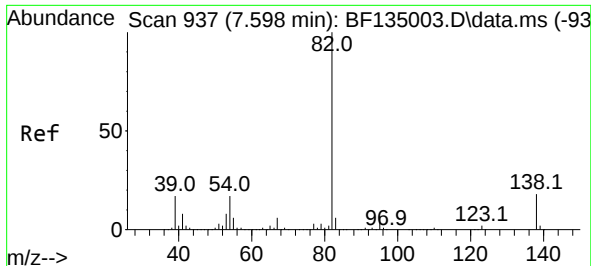
Tgt Ion:136 Resp: 480054
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.5 7.0 10.4
68 6.1 4.6 6.8



#23
Nitrobenzene-d5
Concen: 47.168 ng
RT: 7.334 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF135033.D
Acq: 31 Aug 2023 06:36

Tgt Ion: 82 Resp: 403041
Ion Ratio Lower Upper
82 100
128 45.1 37.8 56.8
54 56.5 45.0 67.6

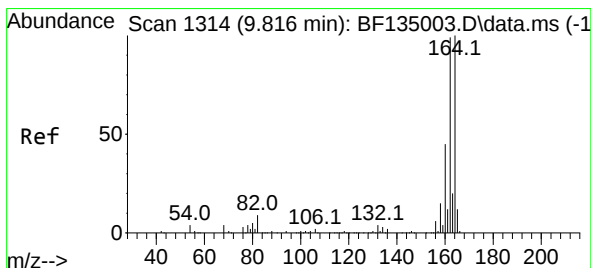
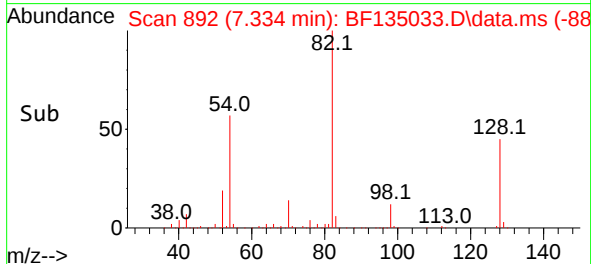
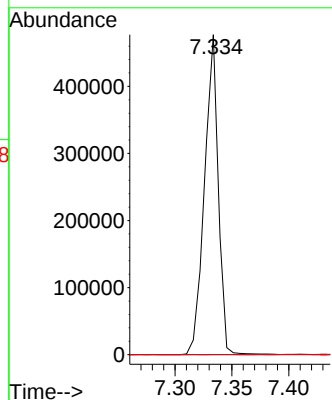
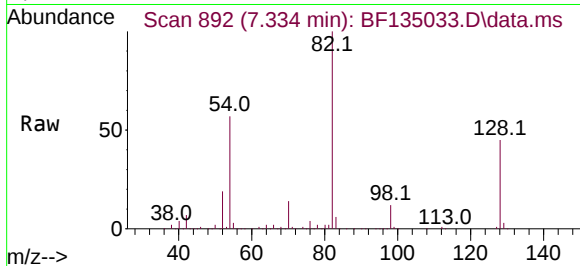




#25
Isophorone
Concen: 24.877 ng
RT: 7.334 min Scan# 892
Delta R.T. -0.265 min
Lab File: BF135033.D
Acq: 31 Aug 2023 06:36

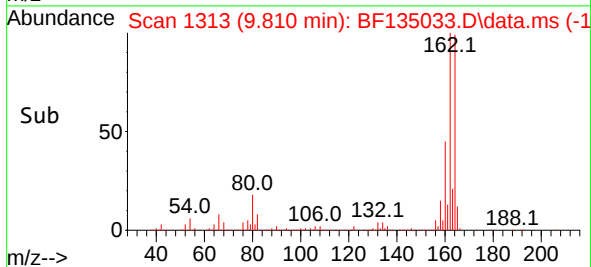
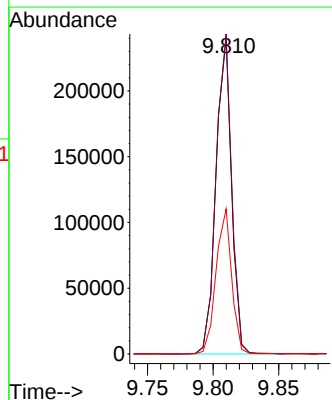
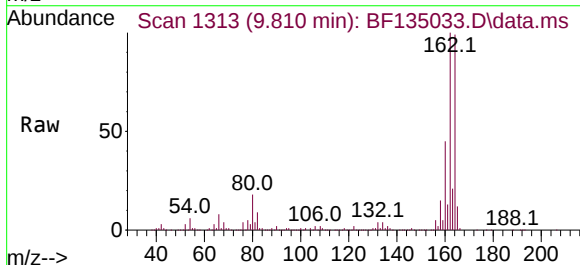
Instrument :
BNA_F
ClientSampleId :
HR-02-082523

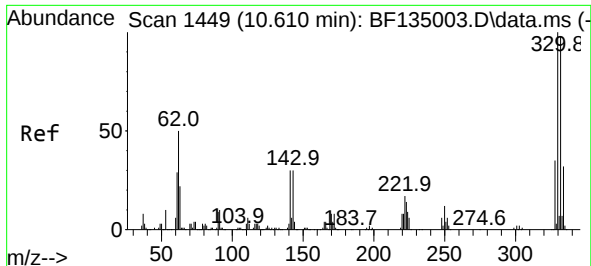
Tgt Ion: 82 Resp: 403036
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF135033.D
Acq: 31 Aug 2023 06:36

Tgt Ion:164 Resp: 198048
Ion Ratio Lower Upper
164 100
162 101.3 79.5 119.3
160 45.9 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 57.816 ng

RT: 10.598 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF135033.D

Acq: 31 Aug 2023 06:36

Instrument :

BNA_F

ClientSampleId :

HR-02-082523

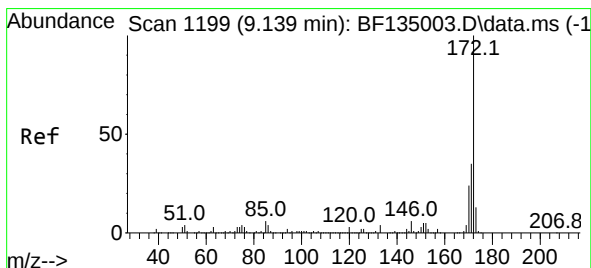
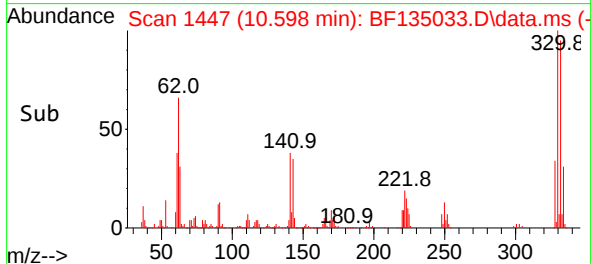
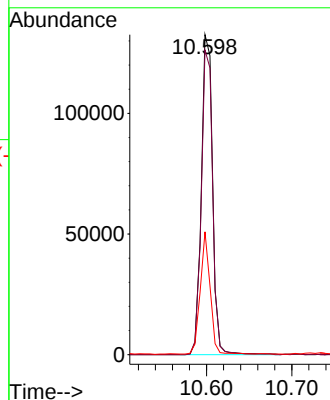
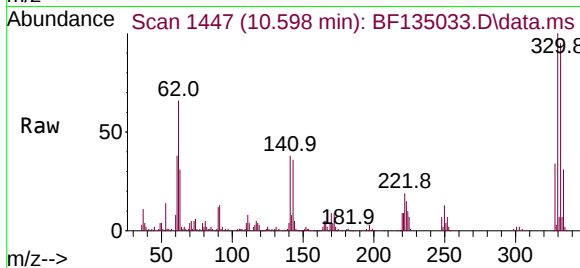
Tgt Ion:330 Resp: 121465

Ion Ratio Lower Upper

330 100

332 95.9 77.6 116.4

141 33.5 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 51.334 ng

RT: 9.128 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF135033.D

Acq: 31 Aug 2023 06:36

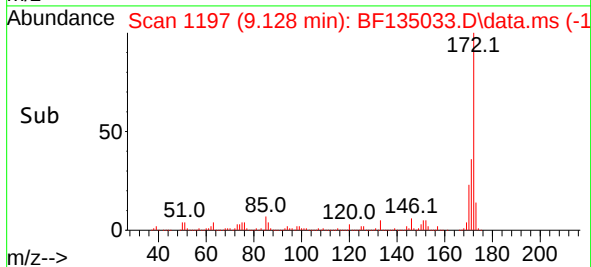
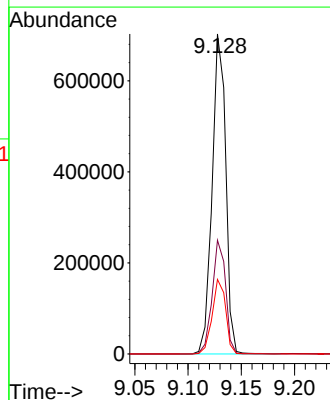
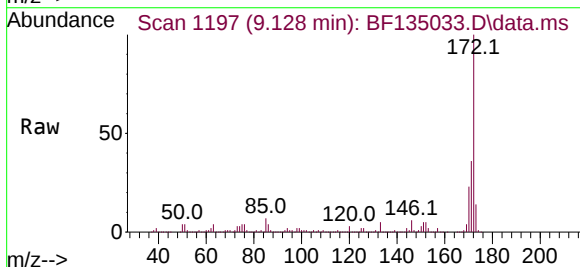
Tgt Ion:172 Resp: 624445

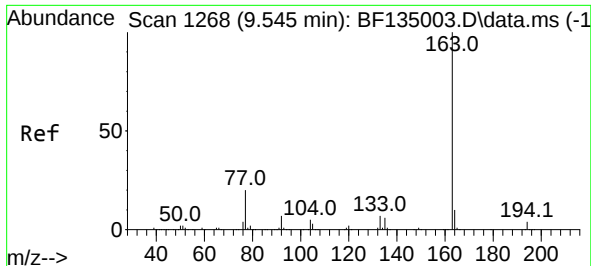
Ion Ratio Lower Upper

172 100

171 35.6 28.2 42.2

170 23.3 19.0 28.4

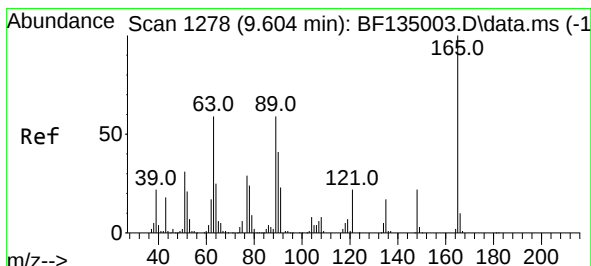
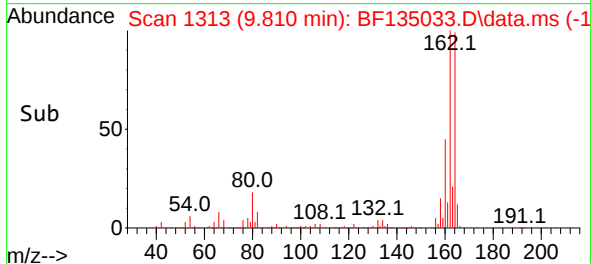
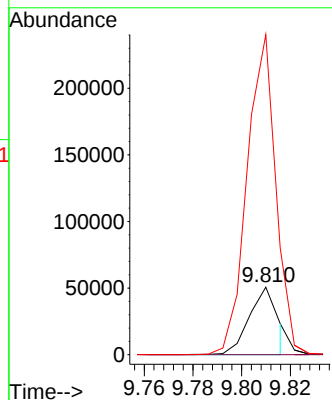
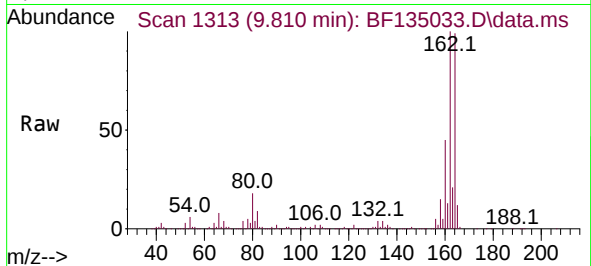




#50
Dimethylphthalate
Concen: 2.958 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF135033.D
Acq: 31 Aug 2023 06:36

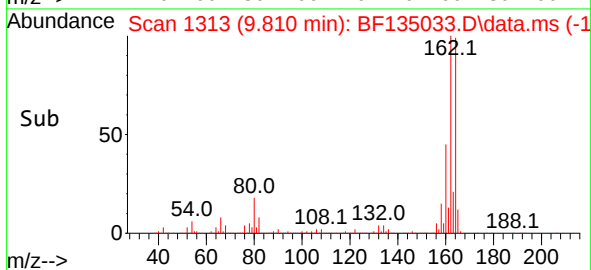
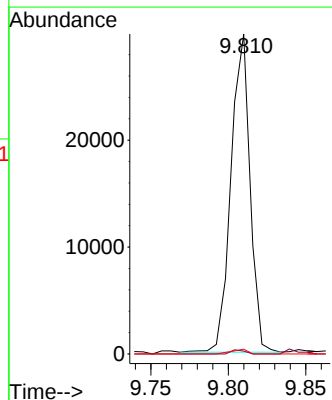
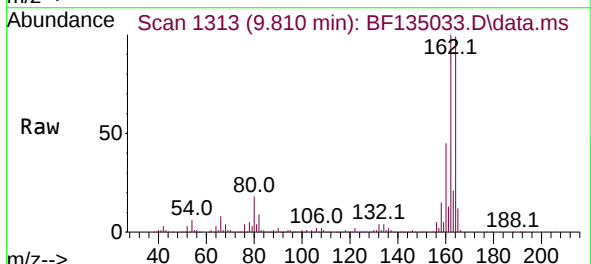
Instrument :
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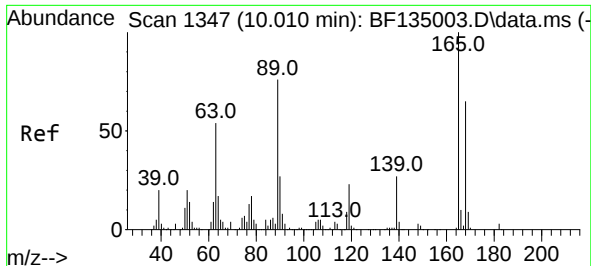
Tgt Ion:163 Resp: 41019
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 473.4 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.368 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.206 min
Lab File: BF135033.D
Acq: 31 Aug 2023 06:36

Tgt Ion:165 Resp: 25462
Ion Ratio Lower Upper
165 100
63 0.9 50.4 75.6#
89 1.5 47.1 70.7#

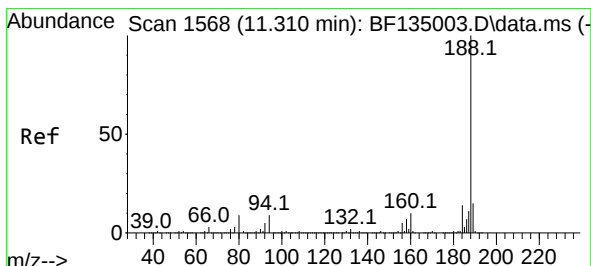
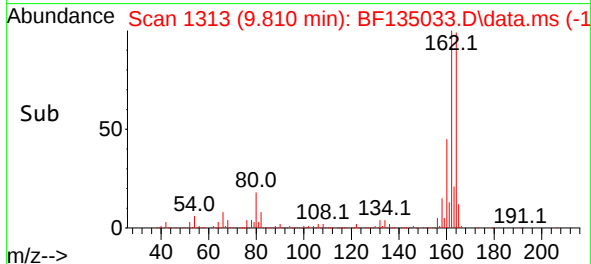
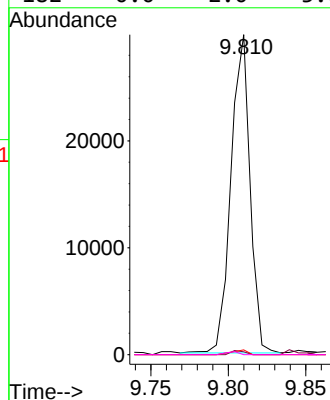
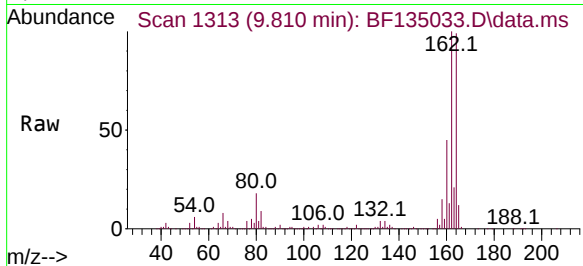




#57
2,4-Dinitrotoluene
Concen: 6.714 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF135033.D
Acq: 31 Aug 2023 06:36

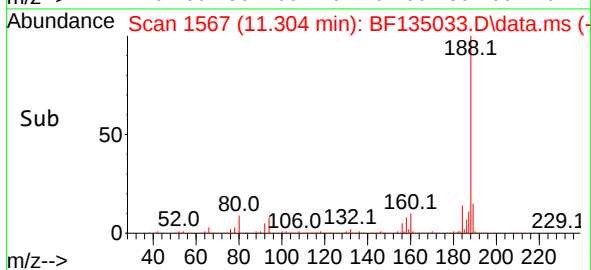
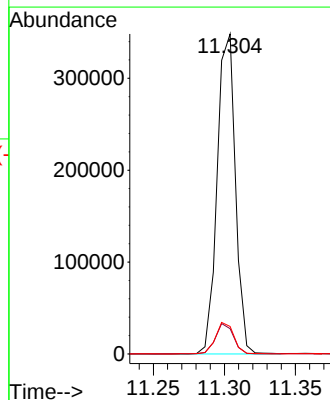
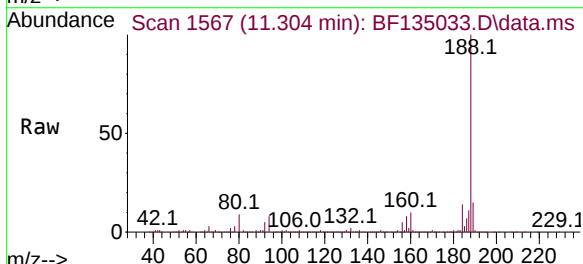
Instrument :
BNA_F
ClientSampleId :
HR-02-082523

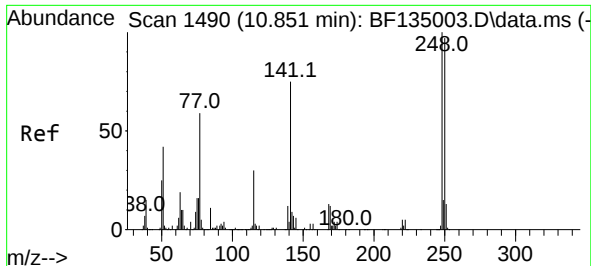
Tgt Ion:165 Resp: 25462
Ion Ratio Lower Upper
165 100
63 0.9 43.2 64.8#
89 1.5 60.8 91.2#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF135033.D
Acq: 31 Aug 2023 06:36

Tgt Ion:188 Resp: 310365
Ion Ratio Lower Upper
188 100
94 7.9 7.0 10.4
80 8.6 7.4 11.2





#67

4-Bromophenyl-phenylether

Concen: 2.363 ng

RT: 10.598 min Scan# 1447

Delta R.T. -0.253 min

Lab File: BF135033.D

Acq: 31 Aug 2023 06:36

Instrument :

BNA_F

ClientSampleId :

HR-02-082523

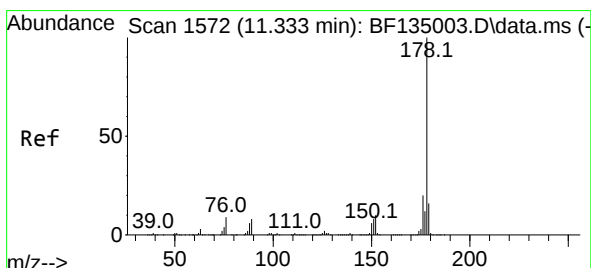
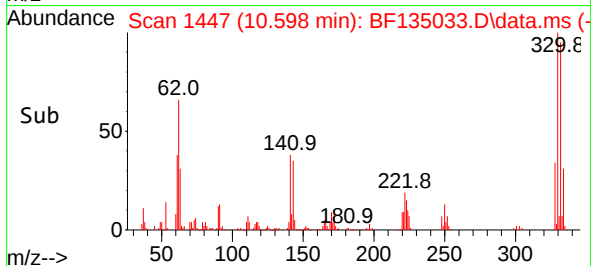
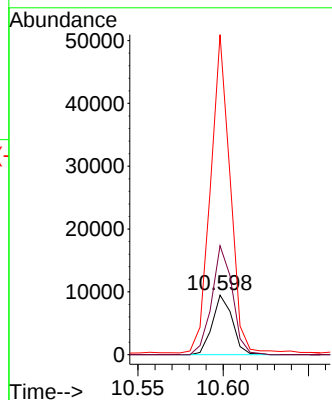
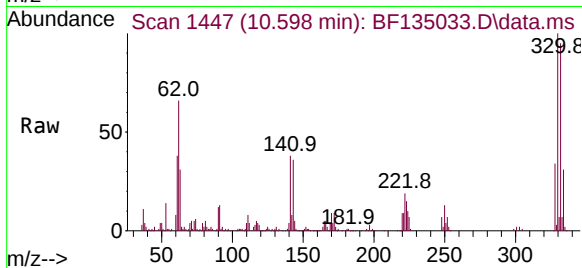
Tgt Ion:248 Resp: 7778

Ion Ratio Lower Upper

248 100

250 183.0 77.9 116.9#

141 537.6 59.8 89.8#



#71

Phenanthrene

Concen: 2.526 ng

RT: 11.327 min Scan# 1571

Delta R.T. -0.006 min

Lab File: BF135033.D

Acq: 31 Aug 2023 06:36

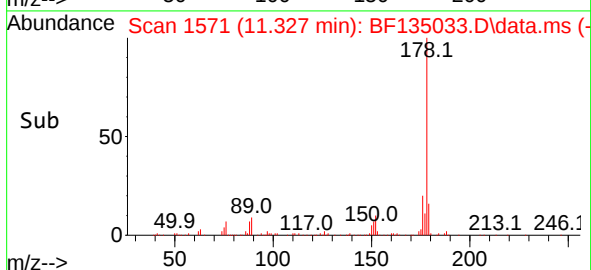
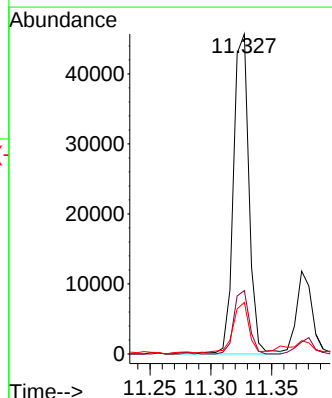
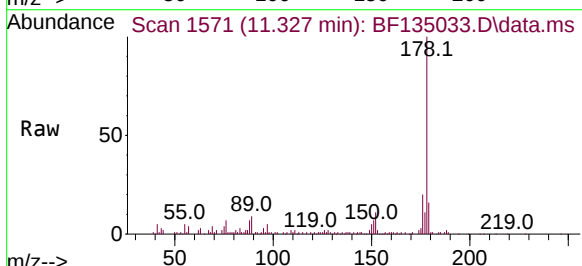
Tgt Ion:178 Resp: 40450

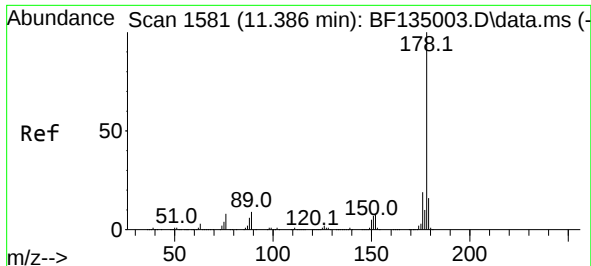
Ion Ratio Lower Upper

178 100

176 19.8 15.9 23.9

179 16.1 12.5 18.7

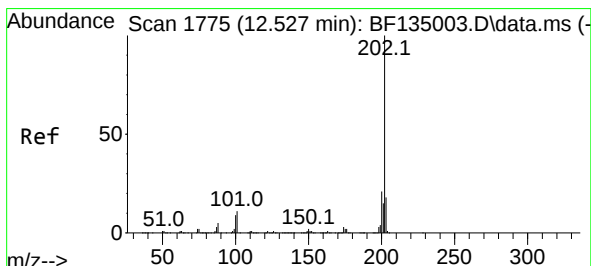
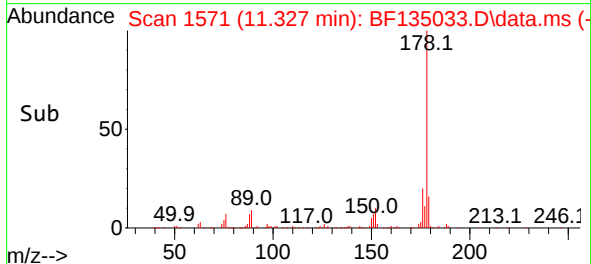
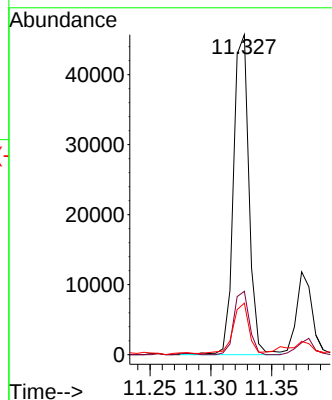
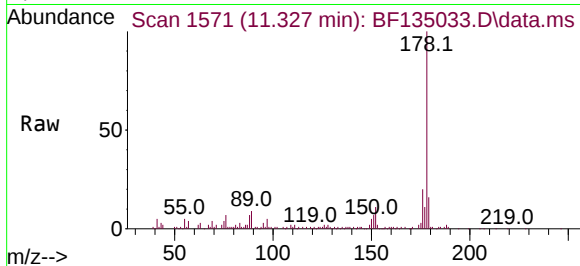




#72
 Anthracene
 Concen: 2.473 ng
 RT: 11.327 min Scan# 11
 Delta R.T. -0.059 min
 Lab File: BF135033.D
 Acq: 31 Aug 2023 06:36

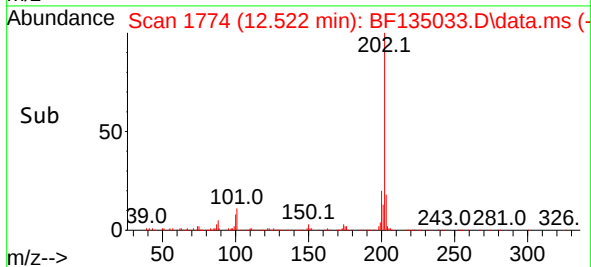
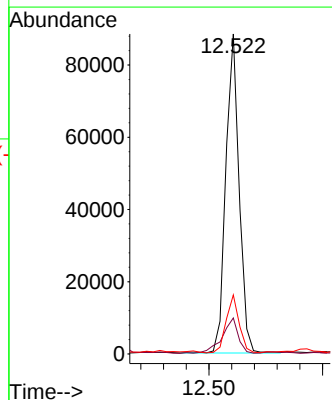
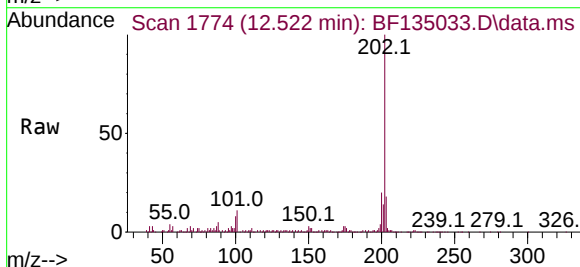
Instrument :
 BNA_F
 ClientSampleId :
 HR-02-082523

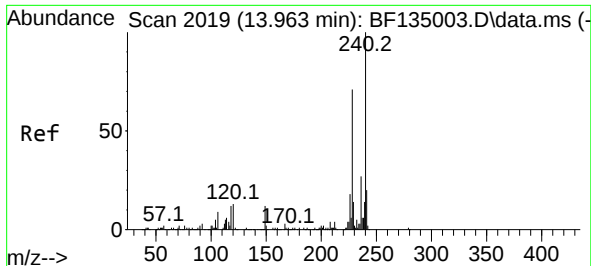
Tgt Ion:178 Resp: 40450
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.4 23.2
 179 16.1 12.8 19.2



#75
 Fluoranthene
 Concen: 4.453 ng
 RT: 12.522 min Scan# 1774
 Delta R.T. -0.006 min
 Lab File: BF135033.D
 Acq: 31 Aug 2023 06:36

Tgt Ion:202 Resp: 72082
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 31.5
 203 18.5 0.0 37.8

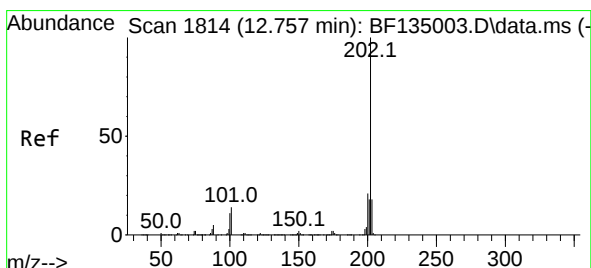
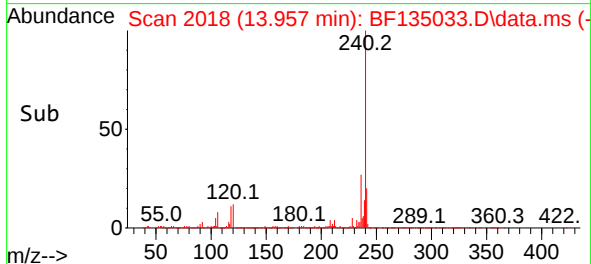
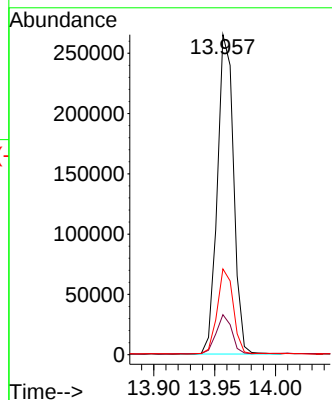
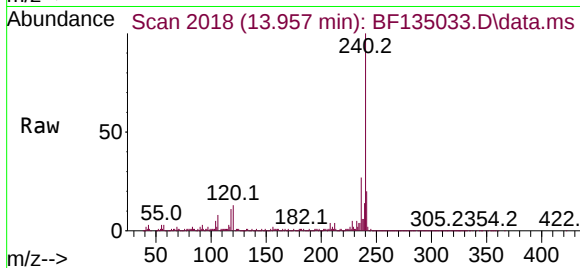




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF135033.D
Acq: 31 Aug 2023 06:36

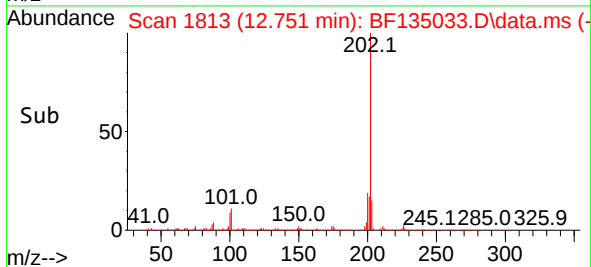
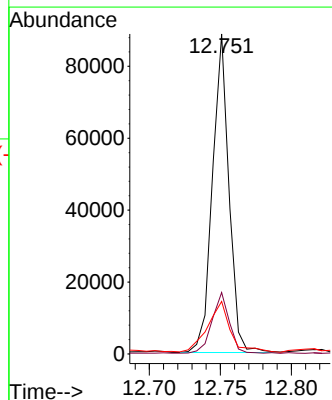
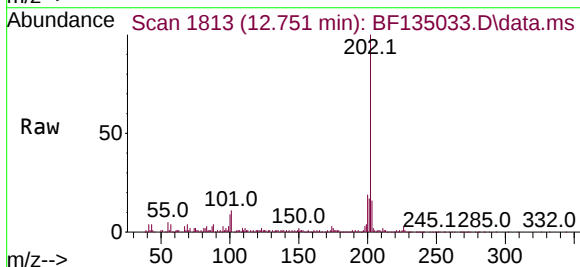
Instrument :
BNA_F
ClientSampleId :
HR-02-082523

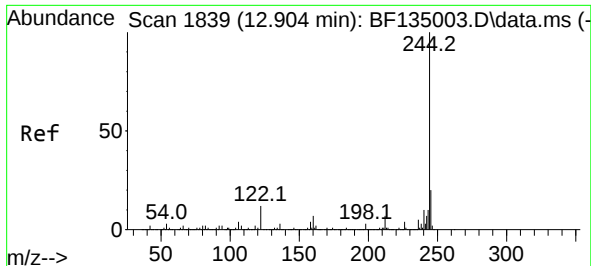
Tgt Ion:240 Resp: 245870
Ion Ratio Lower Upper
240 100
120 12.5 10.2 15.2
236 26.8 21.3 31.9



#78
Pyrene
Concen: 3.076 ng
RT: 12.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF135033.D
Acq: 31 Aug 2023 06:36

Tgt Ion:202 Resp: 71810
Ion Ratio Lower Upper
202 100
200 19.2 17.0 25.6
203 16.4 14.2 21.2

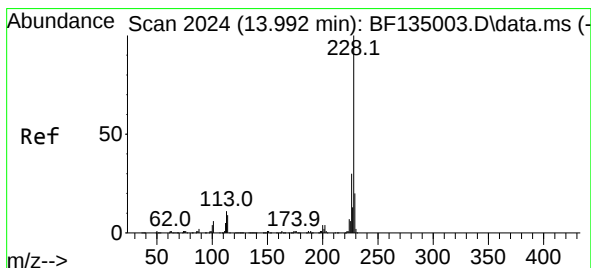
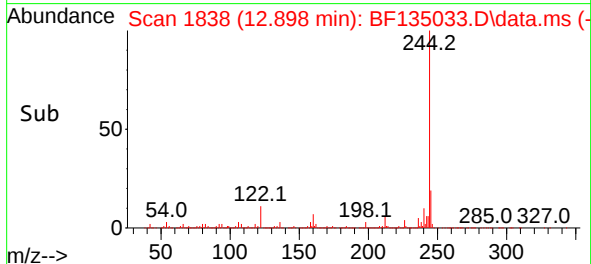
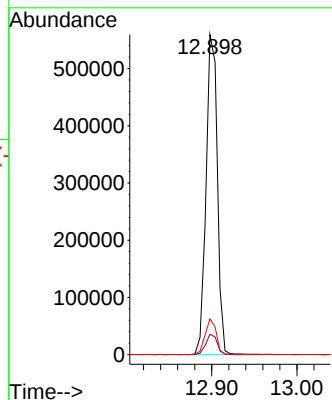
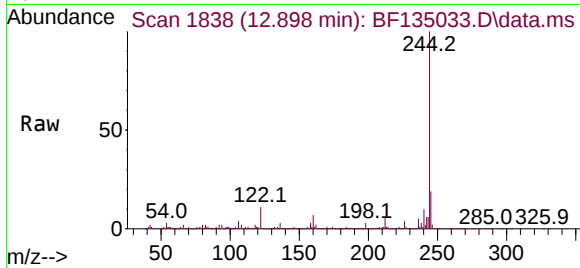




#79
 Terphenyl-d14
 Concen: 34.101 ng
 RT: 12.898 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF135033.D
 Acq: 31 Aug 2023 06:36

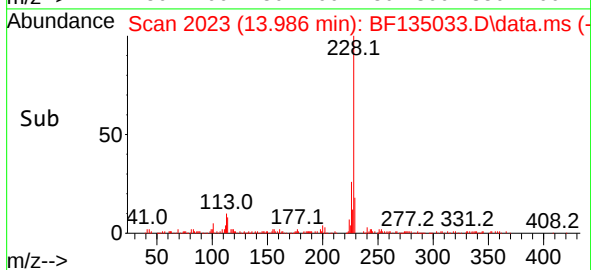
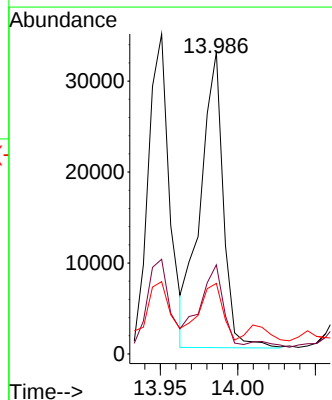
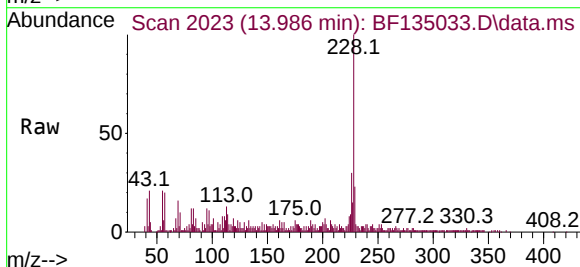
Instrument :
 BNA_F
 ClientSampleId :
 HR-02-082523

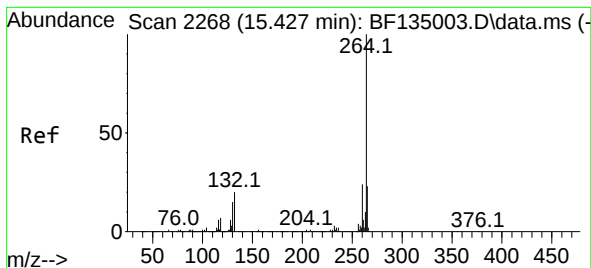
Tgt Ion:244 Resp: 513787
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 11.2 9.8 14.6



#83
 Chrysene
 Concen: 2.035 ng
 RT: 13.986 min Scan# 2023
 Delta R.T. -0.006 min
 Lab File: BF135033.D
 Acq: 31 Aug 2023 06:36

Tgt Ion:228 Resp: 33542
 Ion Ratio Lower Upper
 228 100
 226 29.5 24.2 36.4
 229 23.4 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2195

Delta R.T. 0.006 min

Lab File: BF135033.D

Acq: 31 Aug 2023 06:36

Instrument :

BNA_F

ClientSampleId :

HR-02-082523

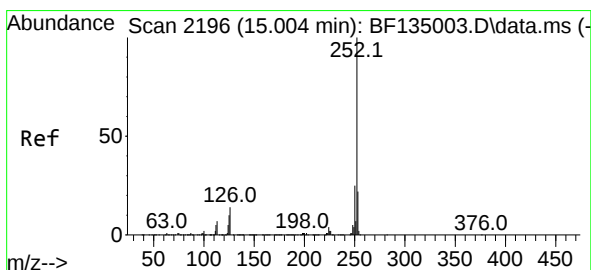
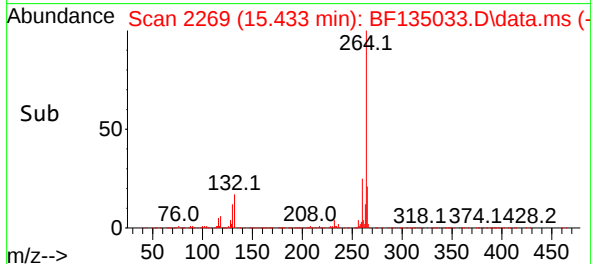
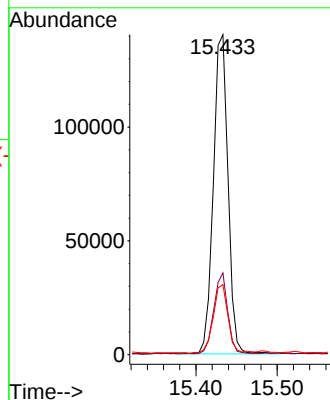
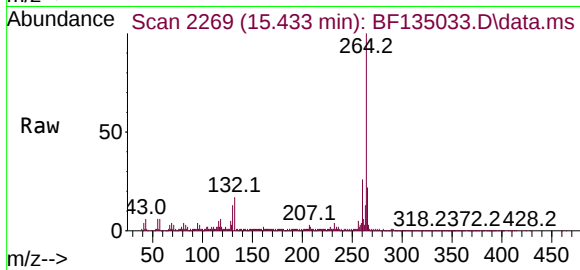
Tgt Ion:264 Resp: 175734

Ion Ratio Lower Upper

264 100

260 25.5 19.0 28.6

265 21.9 18.2 27.2



#88

Benzo(b)fluoranthene

Concen: 3.250 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF135033.D

Acq: 31 Aug 2023 06:36

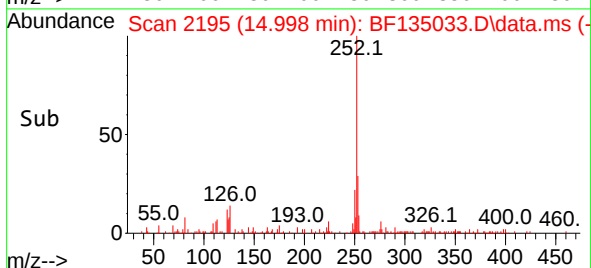
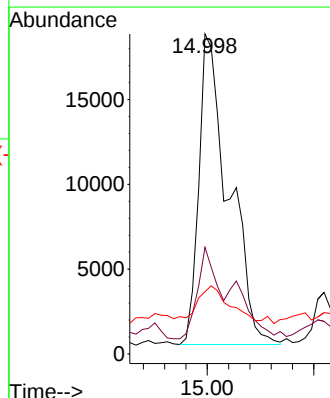
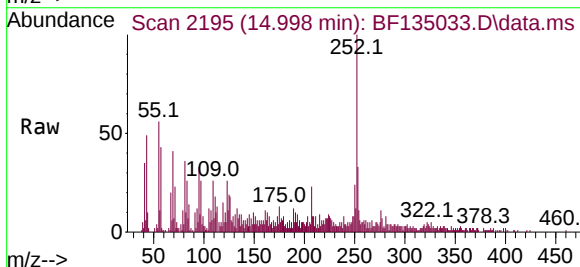
Tgt Ion:252 Resp: 35537

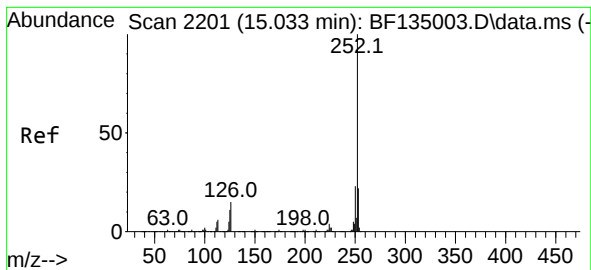
Ion Ratio Lower Upper

252 100

253 33.3 17.8 26.8#

125 19.5 8.4 12.6#





#89

Benzo(k)fluoranthene

Concen: 3.364 ng

RT: 14.998 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF135033.D

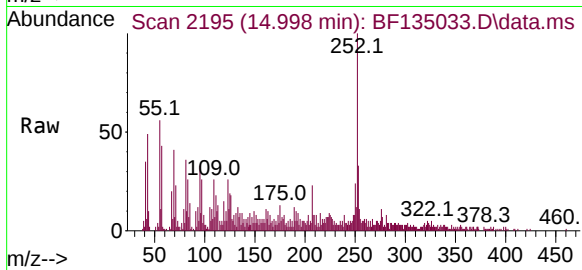
Acq: 31 Aug 2023 06:36

Instrument :

BNA_F

ClientSampleId :

HR-02-082523



Tgt Ion:252 Resp: 35537

Ion Ratio Lower Upper

252 100

253 33.3 17.4 26.0#

125 19.5 8.5 12.7#

