

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
 Data File : BF135109.D
 Acq On : 05 Sep 2023 23:32
 Operator : CG\JU
 Sample : 04265-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-3-083123

Quant Time: Sep 06 01:59:12 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)

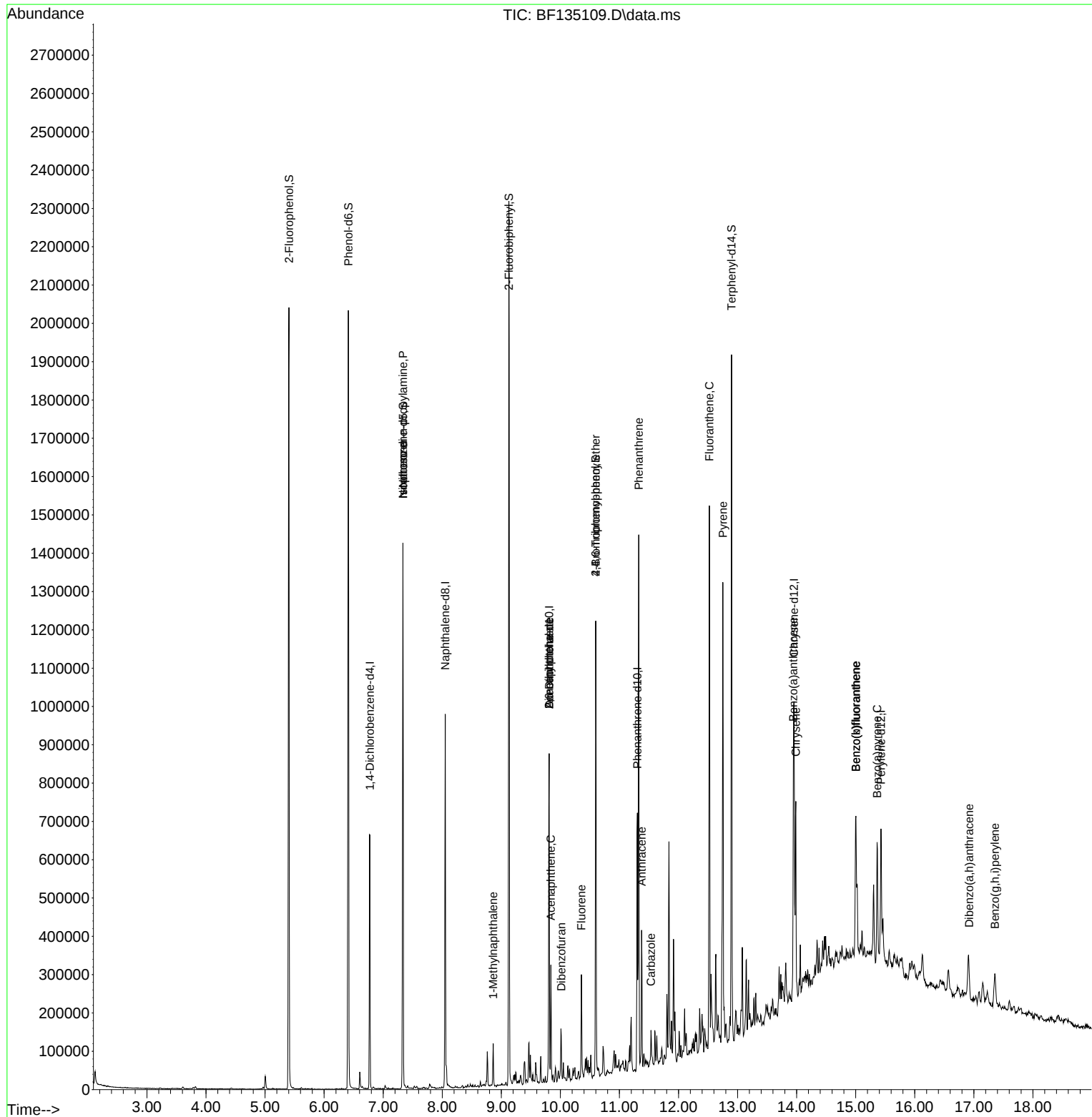
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.775	152	98297	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	387731	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	169657	20.000	ng	0.00
64) Phenanthrene-d10	11.304	188	260162	20.000	ng	0.00
76) Chrysene-d12	13.957	240	175180	20.000	ng	0.00
86) Perylene-d12	15.427	264	156078	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	553596	86.991	ng	0.00
7) Phenol-d6	6.410	99	665671	83.921	ng	0.00
23) Nitrobenzene-d5	7.334	82	415926	60.266	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	128534	71.419	ng	-0.01
45) 2-Fluorobiphenyl	9.128	172	711196	68.250	ng	-0.01
79) Terphenyl-d14	12.898	244	578438	53.885	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.334	70	56565	12.005	ng	# 78
25) Isophorone	7.334	82	415921	31.786	ng	# 65
38) 1-Methylnaphthalene	8.863	142	25492	2.156	ng	99
50) Dimethylphthalate	9.810	163	34107	2.871	ng	# 1
51) 2,6-Dinitrotoluene	9.810	165	23651	9.073	ng	# 22
52) Acenaphthene	9.839	154	58209	6.199	ng	99
55) Dibenzofuran	10.016	168	37750	2.787	ng	95
58) Fluorene	10.357	166	68009	6.586	ng	97
67) 4-Bromophenyl-phenylether	10.598	248	8023	2.908	ng	# 1
69) Atrazine	11.022	200	84	Below Cal		# 37
71) Phenanthrene	11.327	178	489071	36.438	ng	99
72) Anthracene	11.374	178	131698	9.604	ng	99
73) Carbazole	11.533	167	33140	2.802	ng	# 92
75) Fluoranthene	12.521	202	546915	40.303	ng	100
78) Pyrene	12.751	202	479646	28.838	ng	100
81) Benzo(a)anthracene	13.945	228	240231	20.104	ng	96
83) Chrysene	13.986	228	213313	18.164	ng	98
88) Benzo(b)fluoranthene	15.004	252	278673	28.695	ng	97
89) Benzo(k)fluoranthene	15.004	252	278673	29.703	ng	96
90) Benzo(a)pyrene	15.362	252	149852	16.610	ng	98
91) Dibenzo(a,h)anthracene	16.921	278	19979	2.346	ng	# 83
92) Benzo(g,h,i)perylene	17.356	276	73397	8.288	ng	96

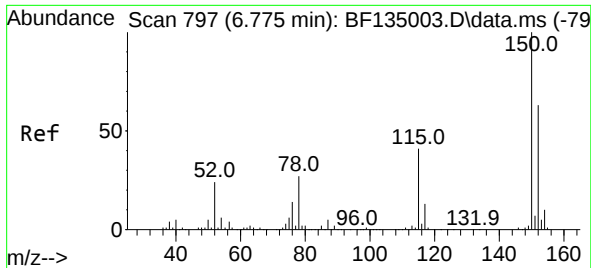
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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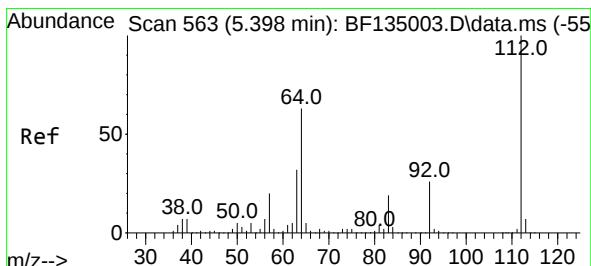
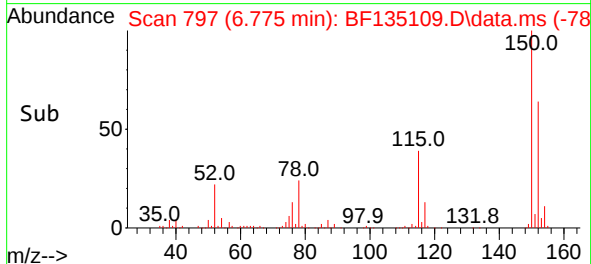
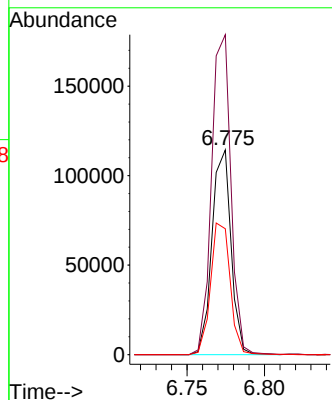
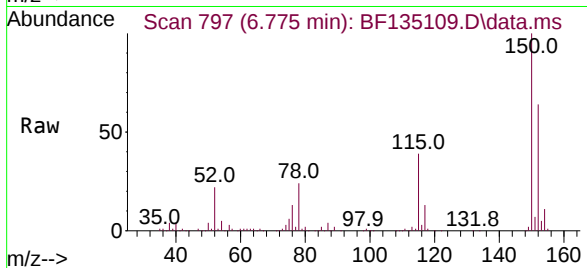




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.775 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

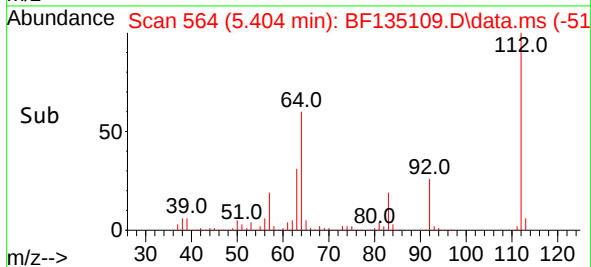
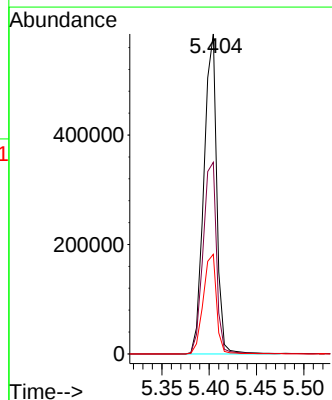
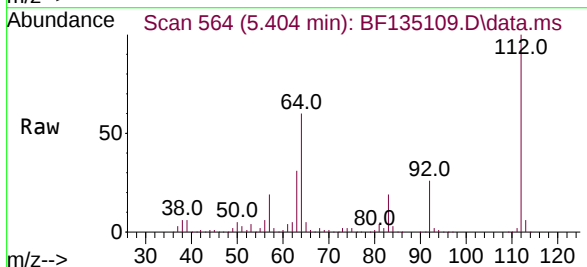
Instrument :
BNA_F
ClientSampleId :
OR-3-083123

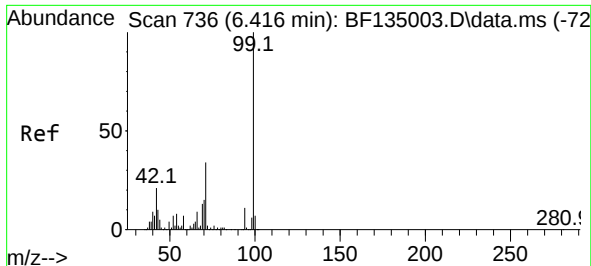
Tgt Ion:152 Resp: 98297
Ion Ratio Lower Upper
152 100
150 156.3 126.2 189.4
115 61.4 51.2 76.8



#5
2-Fluorophenol
Concen: 86.991 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

Tgt Ion:112 Resp: 553596
Ion Ratio Lower Upper
112 100
64 59.9 50.5 75.7
63 31.1 25.9 38.9

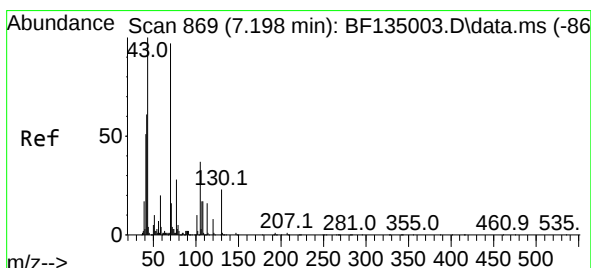
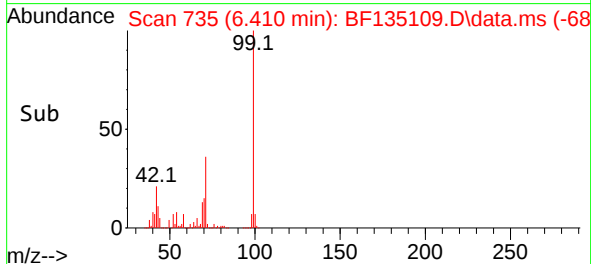
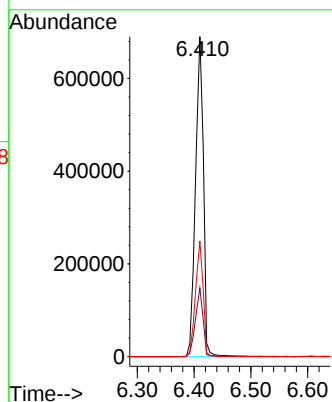
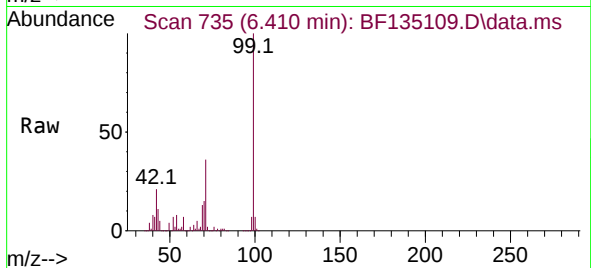




#7
Phenol-d6
Concen: 83.921 ng
RT: 6.410 min Scan# 736
Delta R.T. -0.006 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

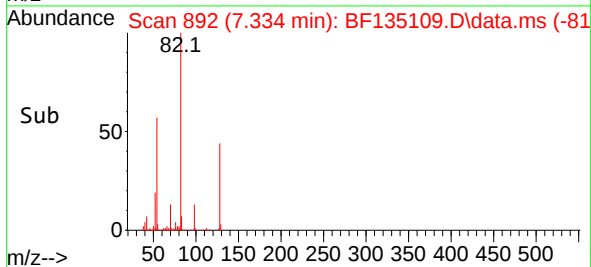
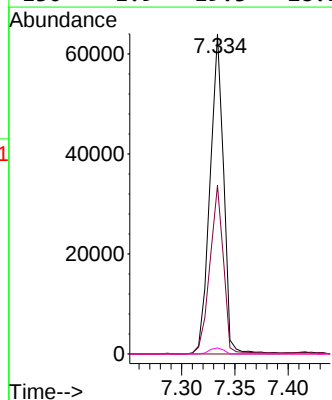
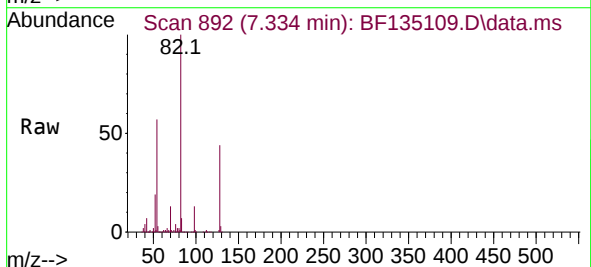
Instrument :
BNA_F
ClientSampleId :
OR-3-083123

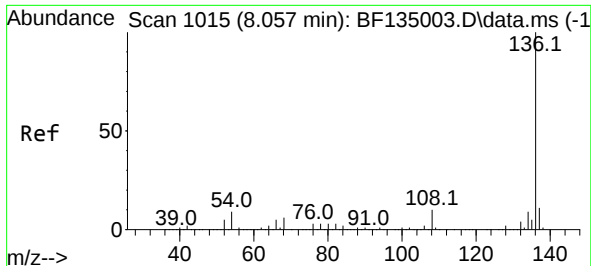
Tgt Ion: 99 Resp: 665671
Ion Ratio Lower Upper
99 100
42 21.4 16.6 25.0
71 36.1 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 12.005 ng
RT: 7.334 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

Tgt Ion: 70 Resp: 56565
Ion Ratio Lower Upper
70 100
42 52.7 50.2 75.4
101 0.0 8.1 12.1#
130 1.9 19.3 28.9#

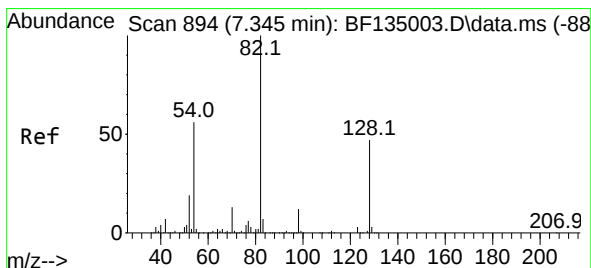
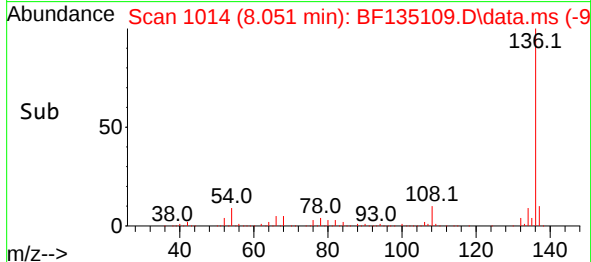
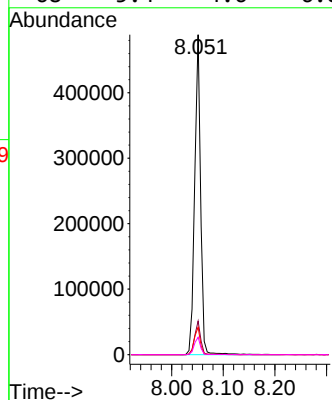
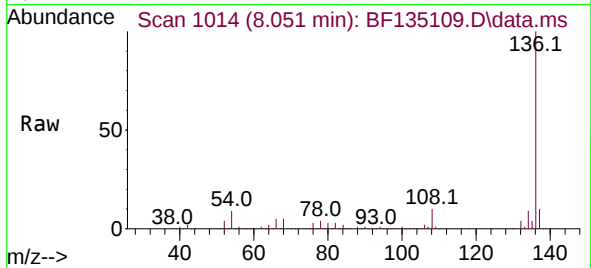




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

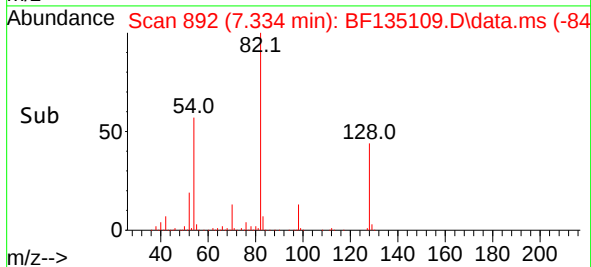
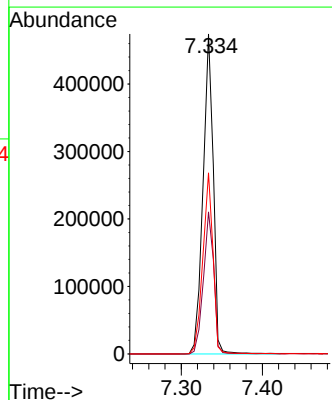
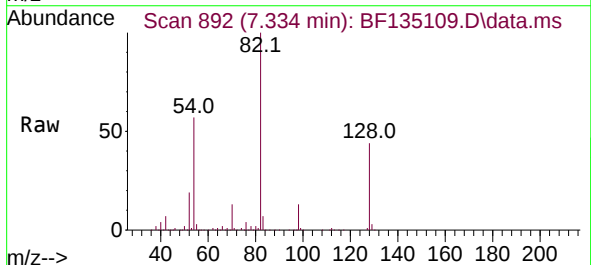
Instrument :
BNA_F
ClientSampleId :
OR-3-083123

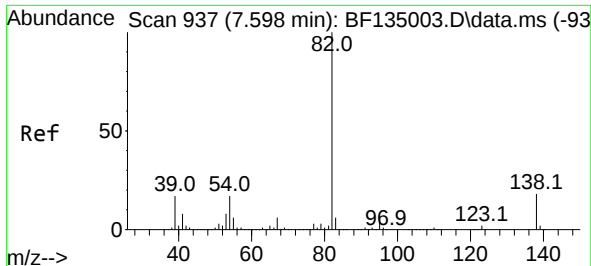
Tgt Ion:136 Resp: 387731
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 8.5 7.0 10.4
68 5.4 4.6 6.8



#23
Nitrobenzene-d5
Concen: 60.266 ng
RT: 7.334 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

Tgt Ion: 82 Resp: 415926
Ion Ratio Lower Upper
82 100
128 44.4 37.8 56.8
54 56.6 45.0 67.6

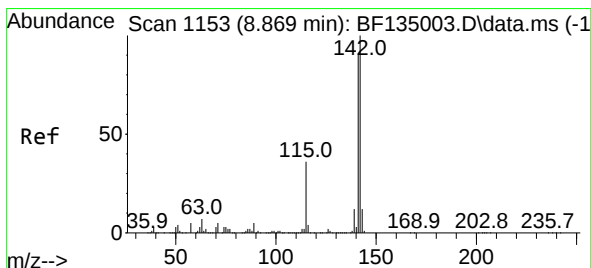
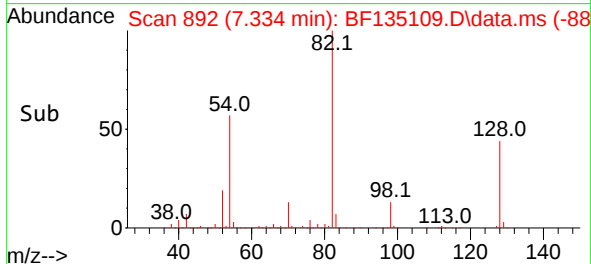
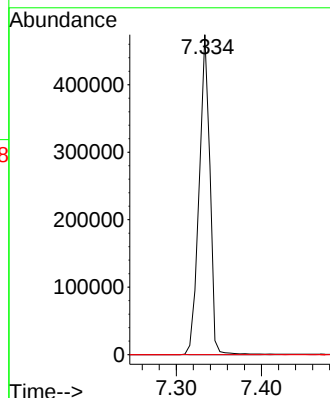
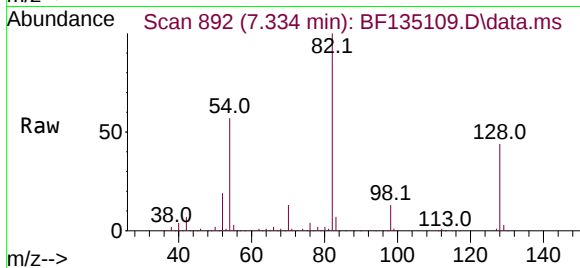




#25
Isophorone
Concen: 31.786 ng
RT: 7.334 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

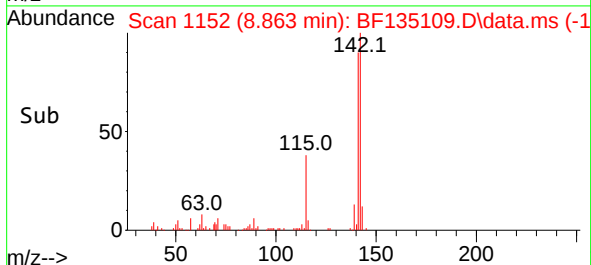
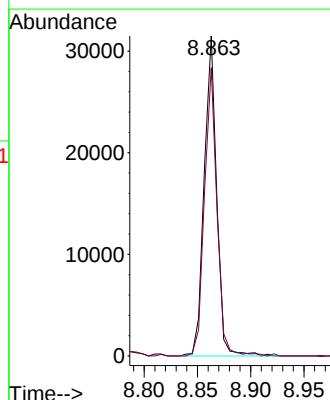
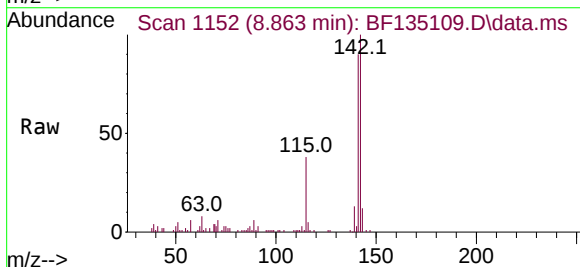
Instrument :
BNA_F
ClientSampleId :
OR-3-083123

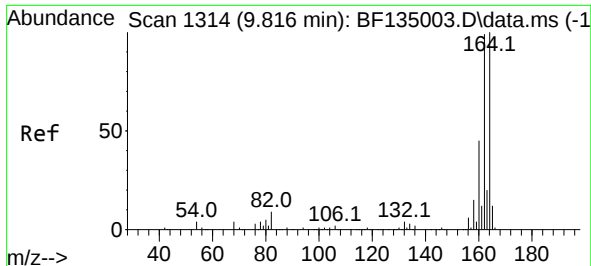
Tgt Ion: 82 Resp: 415921
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.7 22.1#



#38
1-Methylnaphthalene
Concen: 2.156 ng
RT: 8.863 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

Tgt Ion: 142 Resp: 25492
Ion Ratio Lower Upper
142 100
141 90.1 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.810 min Scan# 1314

Delta R.T. -0.006 min

Lab File: BF135109.D

Acq: 05 Sep 2023 23:32

Instrument :

BNA_F

ClientSampleId :

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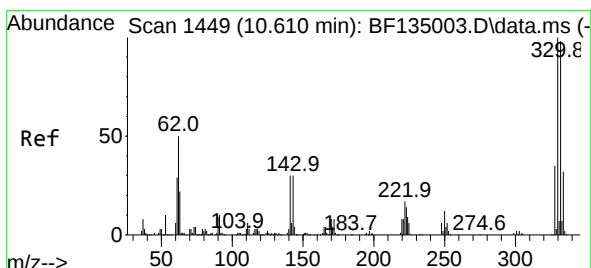
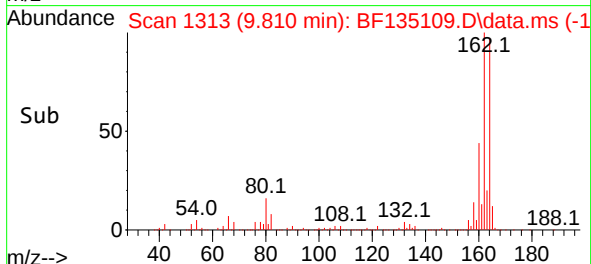
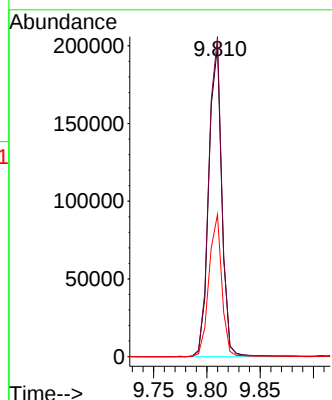
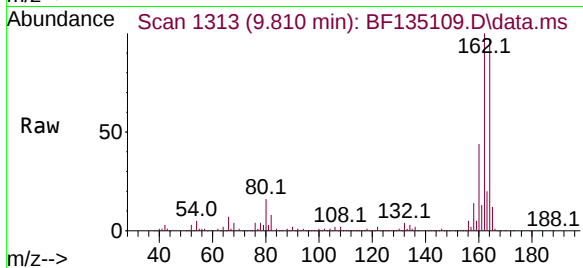
Tgt Ion:164 Resp: 169657

Ion Ratio Lower Upper

164 100

162 103.0 79.5 119.3

160 45.7 36.0 54.0



#42

2,4,6-Tribromophenol

Concen: 71.419 ng

RT: 10.598 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF135109.D

Acq: 05 Sep 2023 23:32

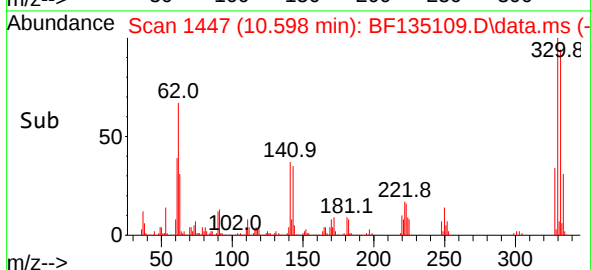
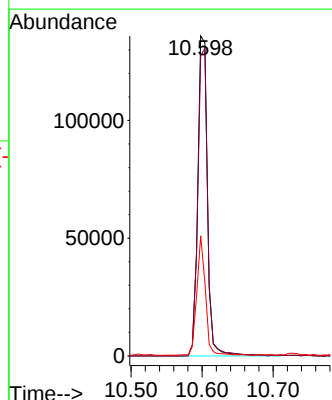
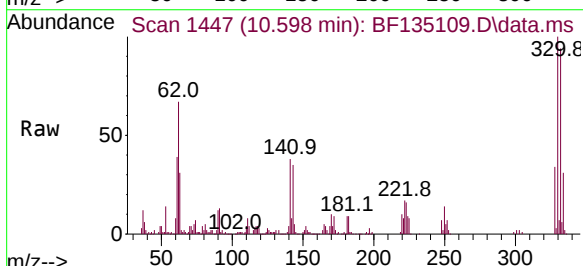
Tgt Ion:330 Resp: 128534

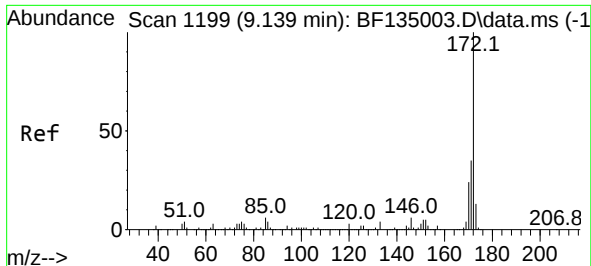
Ion Ratio Lower Upper

330 100

332 97.0 77.6 116.4

141 33.2 26.3 39.5

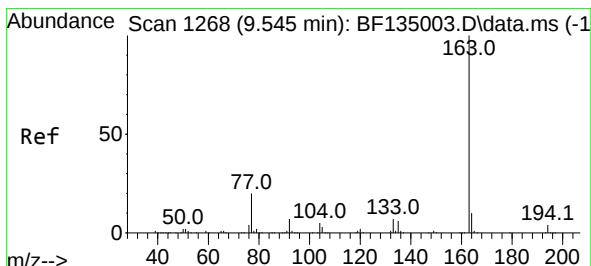
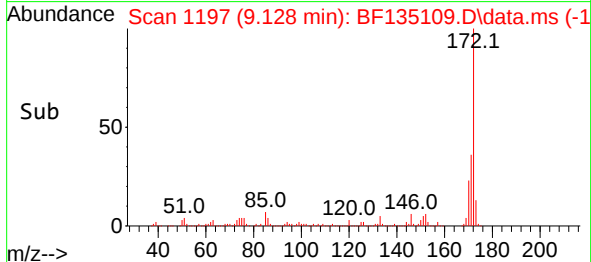
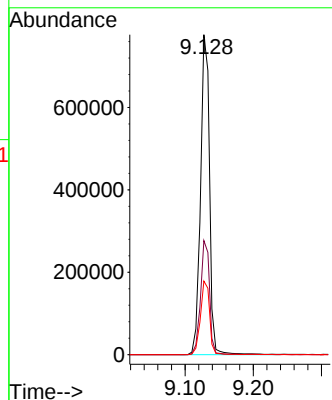
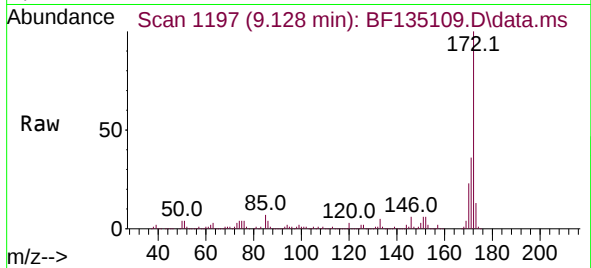




#45
2-Fluorobiphenyl
Concen: 68.250 ng
RT: 9.128 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

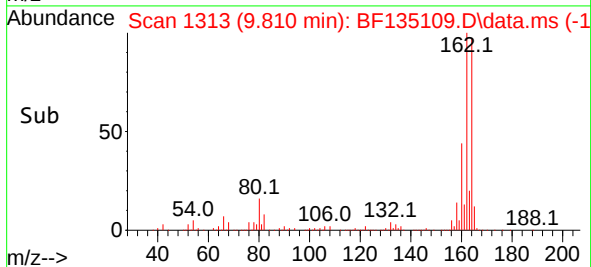
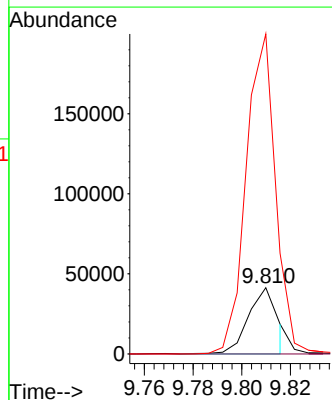
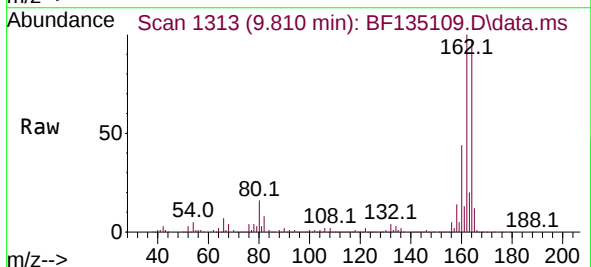
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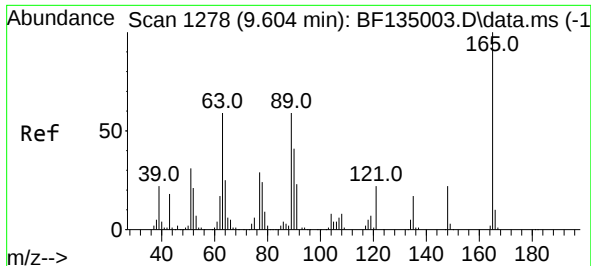
Tgt Ion:172 Resp: 711196
Ion Ratio Lower Upper
172 100
171 35.7 28.2 42.2
170 23.0 19.0 28.4



#50
Dimethylphthalate
Concen: 2.871 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.265 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

Tgt Ion:163 Resp: 34107
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 483.0 8.1 12.1#





#51

2,6-Dinitrotoluene

Concen: 9.073 ng

RT: 9.810 min Scan# 1313

Delta R.T. 0.206 min

Lab File: BF135109.D

Acq: 05 Sep 2023 23:32

Instrument :

BNA_F

ClientSampleId :

OR-3-083123

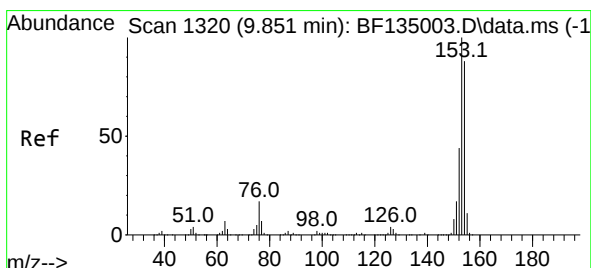
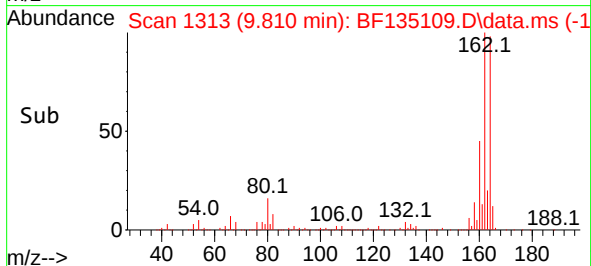
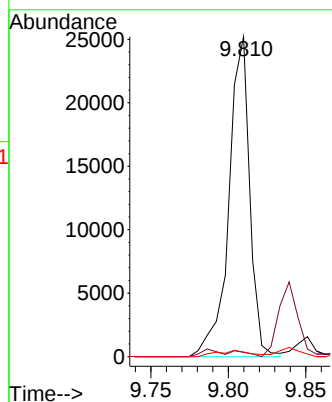
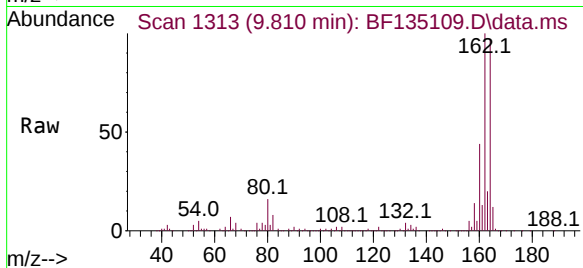
Tgt Ion:165 Resp: 23651

Ion Ratio Lower Upper

165 100

63 1.3 50.4 75.6#

89 1.4 47.1 70.7#



#52

Acenaphthene

Concen: 6.199 ng

RT: 9.839 min Scan# 1318

Delta R.T. -0.012 min

Lab File: BF135109.D

Acq: 05 Sep 2023 23:32

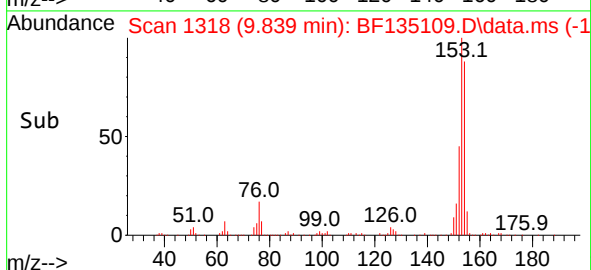
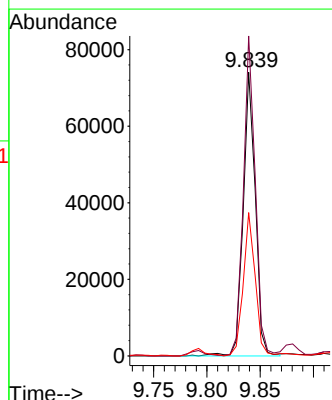
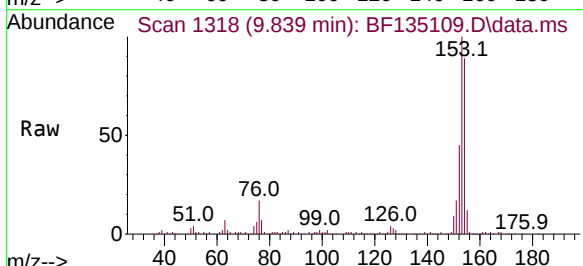
Tgt Ion:154 Resp: 58209

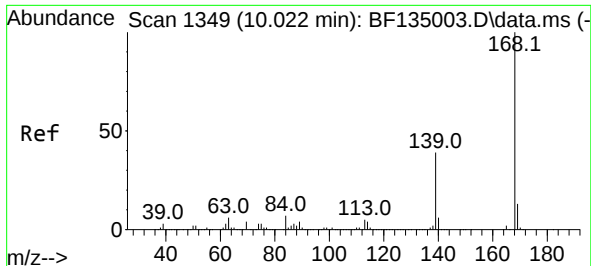
Ion Ratio Lower Upper

154 100

153 112.8 90.8 136.2

152 50.5 40.2 60.4





#55

Dibenzenofuran

Concen: 2.787 ng

RT: 10.016 min Scan# 1349

Delta R.T. -0.006 min

Lab File: BF135109.D

Acq: 05 Sep 2023 23:32

Instrument :

BNA_F

ClientSampleId :

OR-3-083123

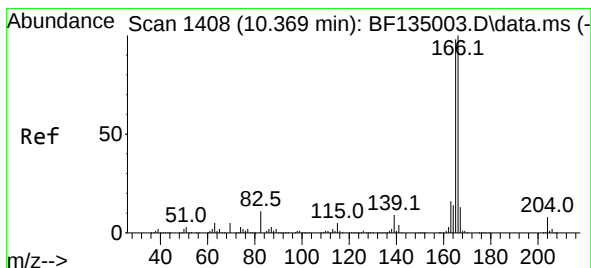
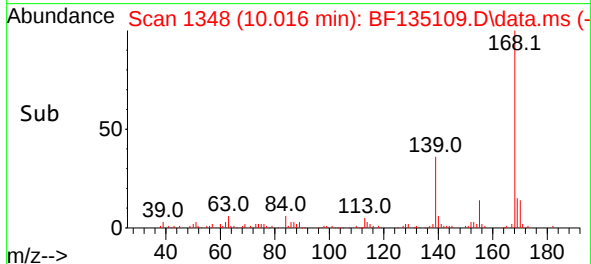
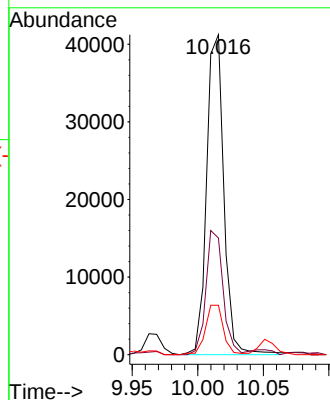
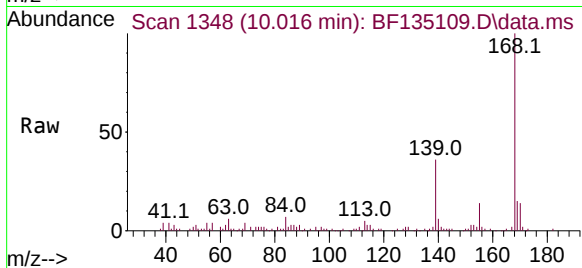
Tgt Ion:168 Resp: 37750

Ion Ratio Lower Upper

168 100

139 36.4 31.5 47.3

169 15.4 10.7 16.1



#58

Fluorene

Concen: 6.586 ng

RT: 10.357 min Scan# 1406

Delta R.T. -0.012 min

Lab File: BF135109.D

Acq: 05 Sep 2023 23:32

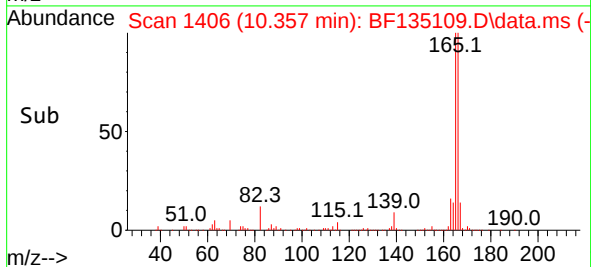
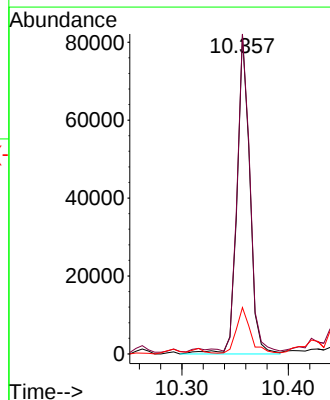
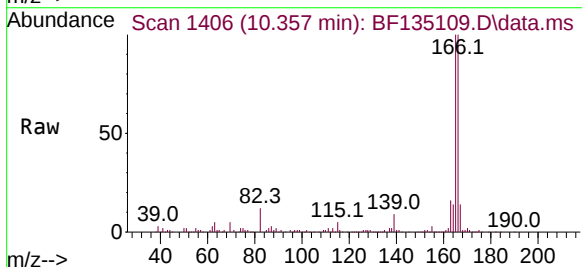
Tgt Ion:166 Resp: 68009

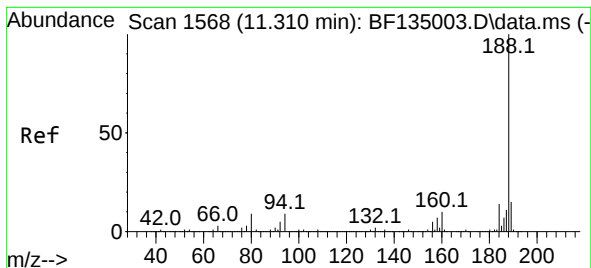
Ion Ratio Lower Upper

166 100

165 100.2 78.0 117.0

167 14.5 10.8 16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135109.D

Acq: 05 Sep 2023 23:32

Instrument :

BNA_F

ClientSampleId :

OR-3-083123

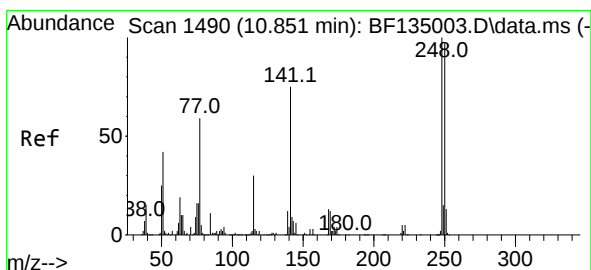
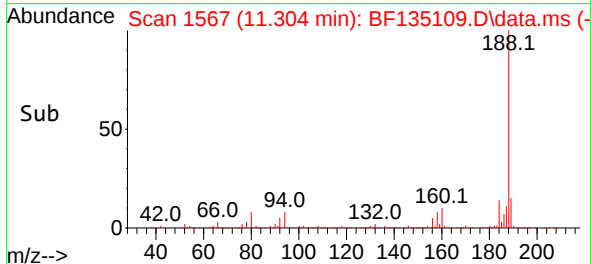
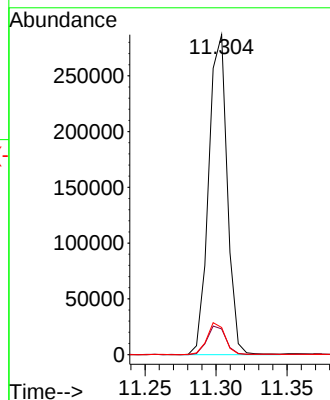
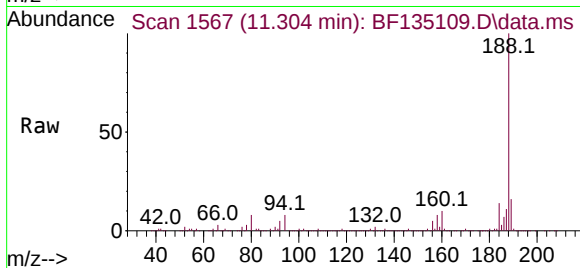
Tgt Ion:188 Resp: 260162

Ion Ratio Lower Upper

188 100

94 8.0 7.0 10.4

80 8.5 7.4 11.2



#67

4-Bromophenyl-phenylether

Concen: 2.908 ng

RT: 10.598 min Scan# 1447

Delta R.T. -0.253 min

Lab File: BF135109.D

Acq: 05 Sep 2023 23:32

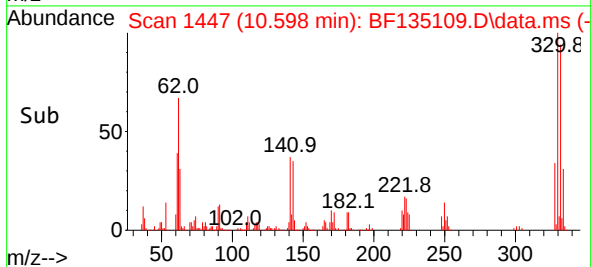
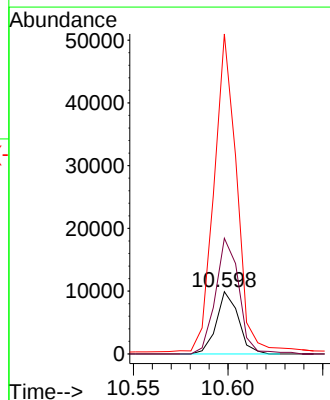
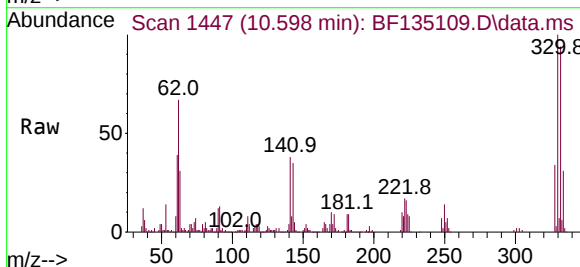
Tgt Ion:248 Resp: 8023

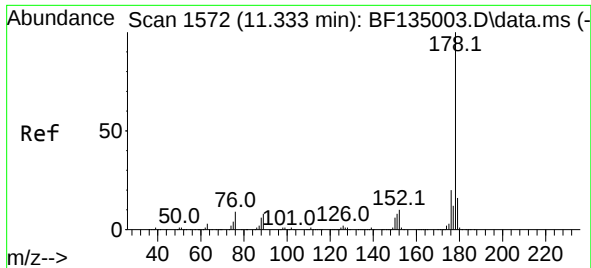
Ion Ratio Lower Upper

248 100

250 186.0 77.9 116.9#

141 514.6 59.8 89.8#

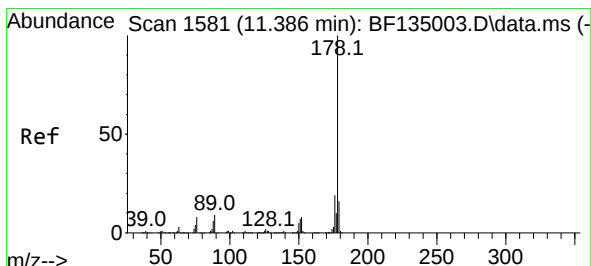
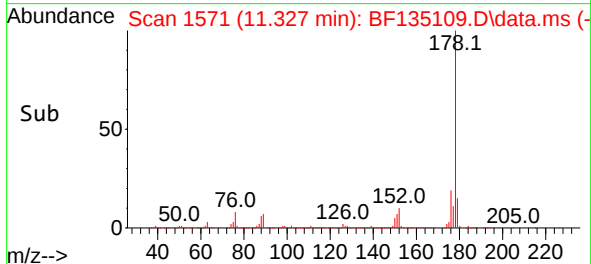
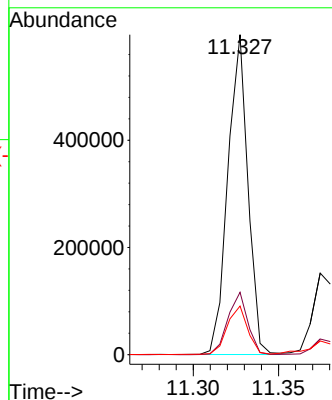
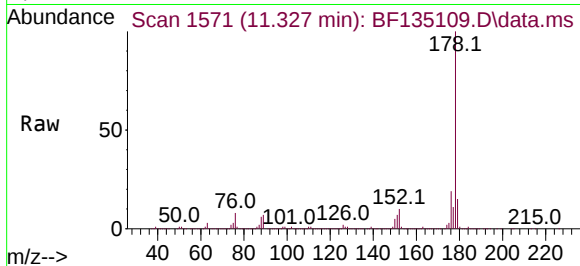




#71
Phenanthrene
Concen: 36.438 ng
RT: 11.327 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

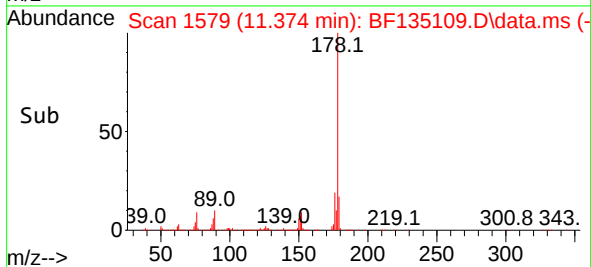
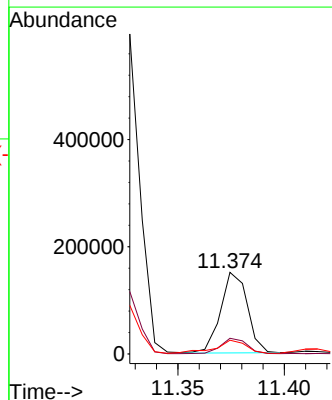
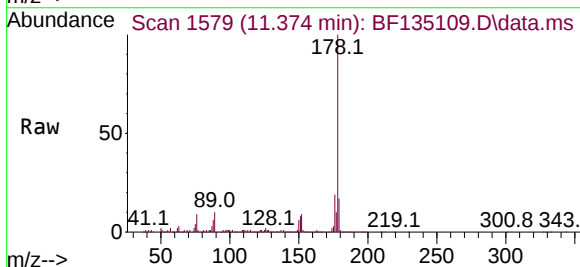
Instrument :
BNA_F
ClientSampleId :
OR-3-083123

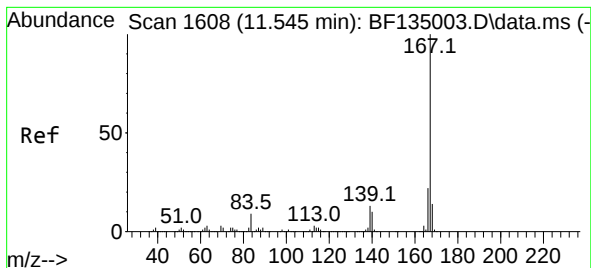
Tgt Ion:178 Resp: 489071
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 15.2 12.5 18.7



#72
Anthracene
Concen: 9.604 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

Tgt Ion:178 Resp: 131698
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 16.9 12.8 19.2





#73

Carbazole

Concen: 2.802 ng

RT: 11.533 min Scan# 1606

Delta R.T. -0.012 min

Lab File: BF135109.D

Acq: 05 Sep 2023 23:32

Instrument :

BNA_F

ClientSampleId :

OR-3-083123

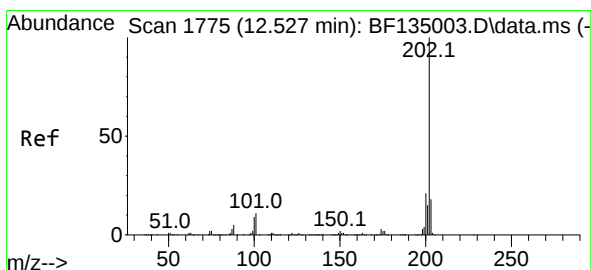
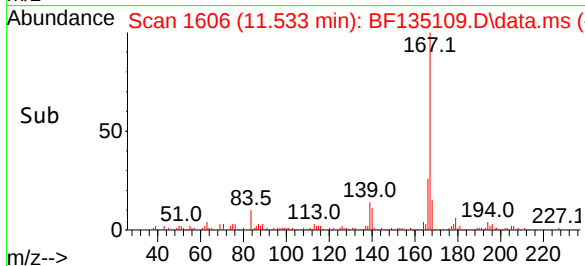
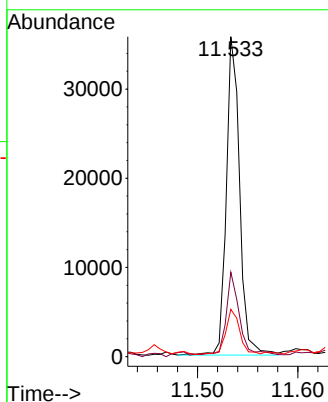
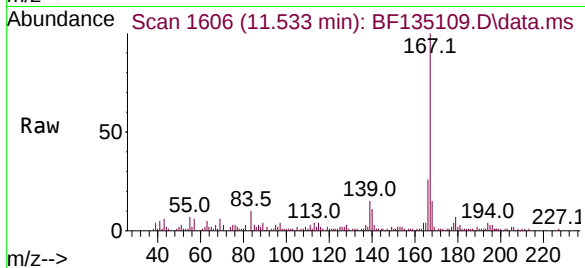
Tgt Ion:167 Resp: 33140

Ion Ratio Lower Upper

167 100

166 26.4 17.4 26.2#

139 14.8 10.3 15.5



#75

Fluoranthene

Concen: 40.303 ng

RT: 12.521 min Scan# 1774

Delta R.T. -0.006 min

Lab File: BF135109.D

Acq: 05 Sep 2023 23:32

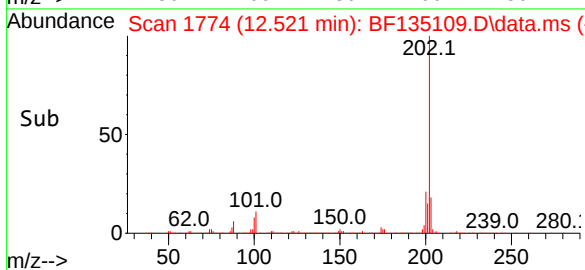
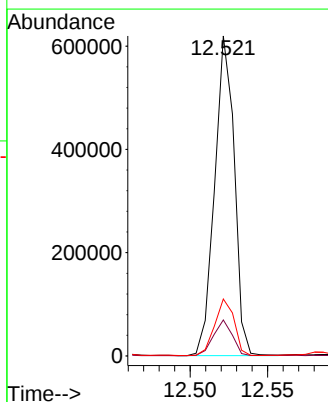
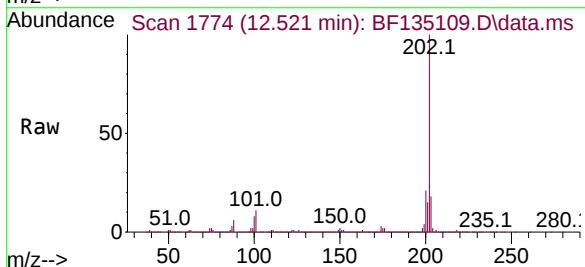
Tgt Ion:202 Resp: 546915

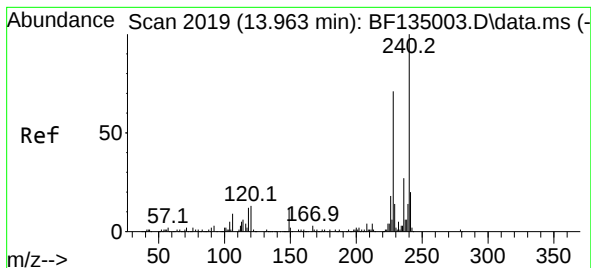
Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.5

203 17.8 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135109.D

Acq: 05 Sep 2023 23:32

Instrument :

BNA_F

ClientSampleId :

OR-3-083123

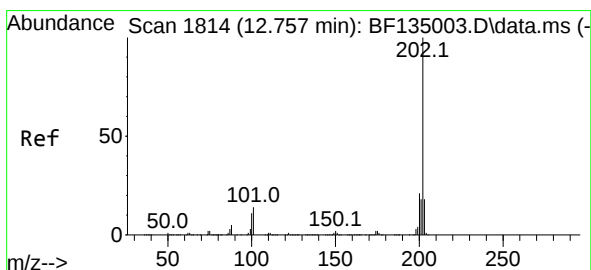
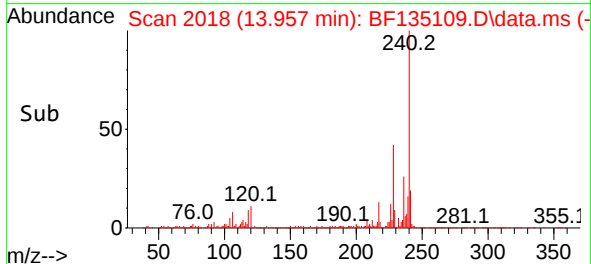
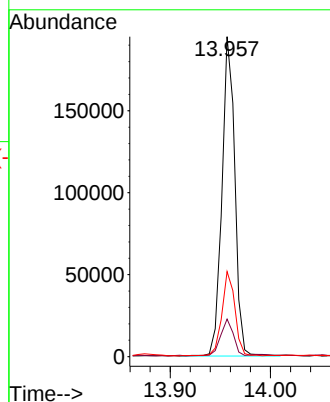
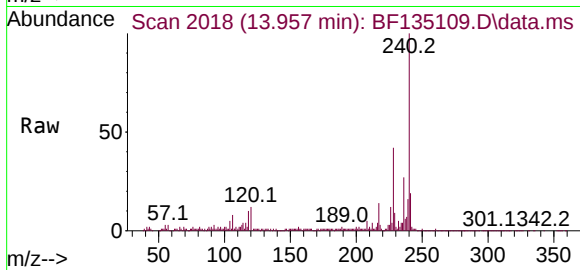
Tgt Ion:240 Resp: 175180

Ion Ratio Lower Upper

240 100

120 11.7 10.2 15.2

236 26.6 21.3 31.9



#78

Pyrene

Concen: 28.838 ng

RT: 12.751 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF135109.D

Acq: 05 Sep 2023 23:32

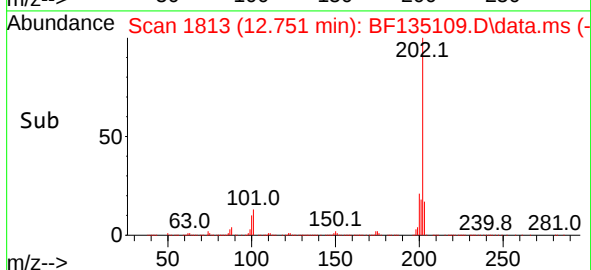
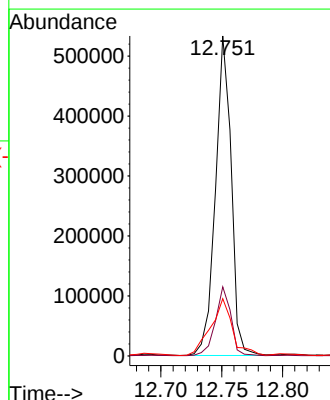
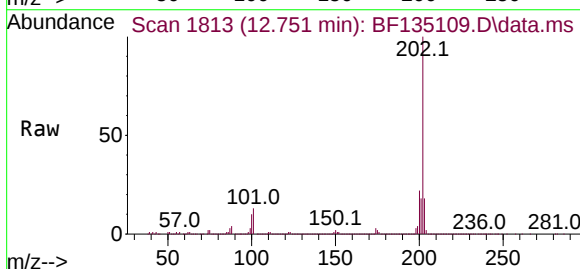
Tgt Ion:202 Resp: 479646

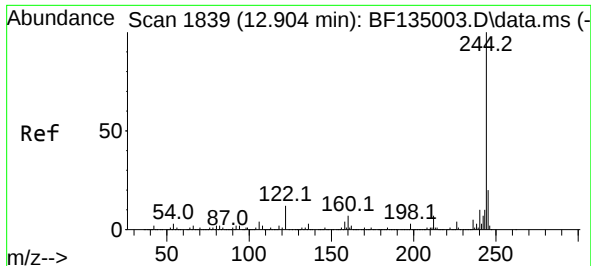
Ion Ratio Lower Upper

202 100

200 21.6 17.0 25.6

203 17.9 14.2 21.2

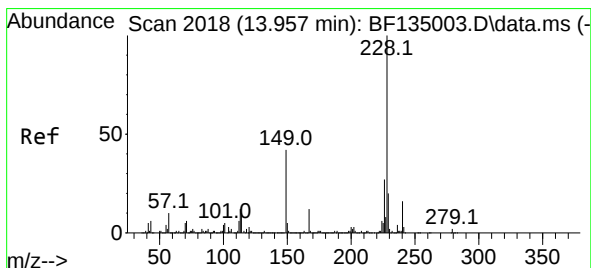
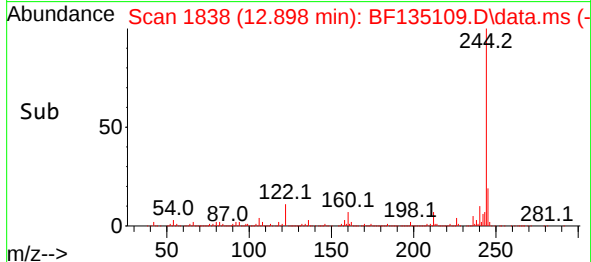
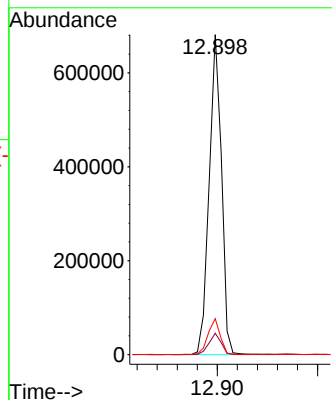
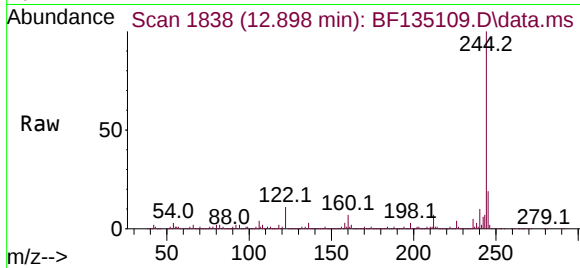




#79
 Terphenyl-d14
 Concen: 53.885 ng
 RT: 12.898 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF135109.D
 Acq: 05 Sep 2023 23:32

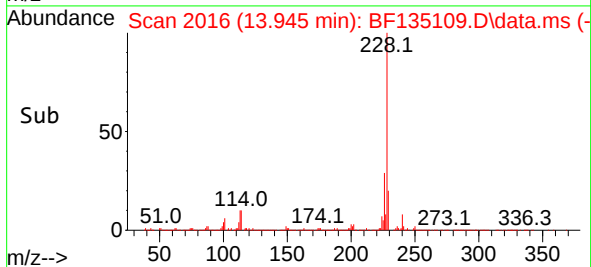
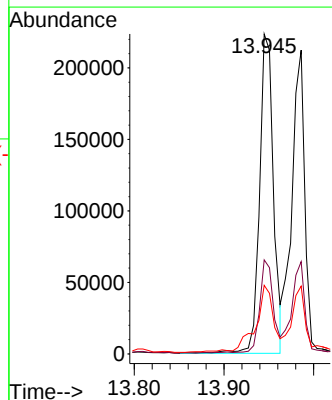
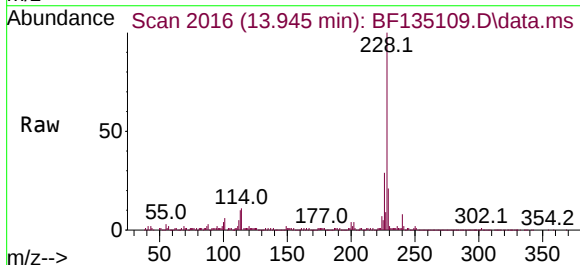
Instrument :
 BNA_F
 ClientSampleId :
 OR-3-083123

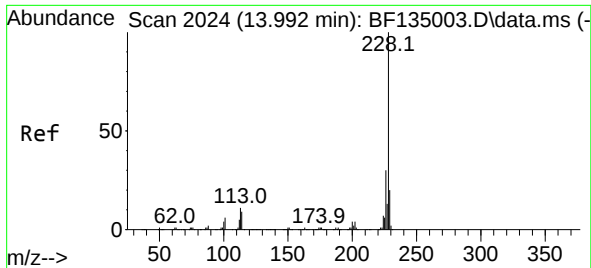
Tgt Ion:244 Resp: 578438
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 11.2 9.8 14.6



#81
 Benzo(a)anthracene
 Concen: 20.104 ng
 RT: 13.945 min Scan# 2016
 Delta R.T. -0.012 min
 Lab File: BF135109.D
 Acq: 05 Sep 2023 23:32

Tgt Ion:228 Resp: 240231
 Ion Ratio Lower Upper
 228 100
 226 29.4 21.6 32.4
 229 21.4 15.6 23.4

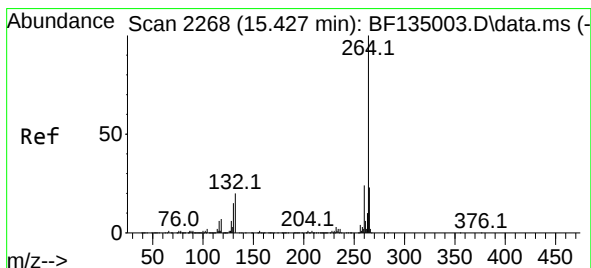
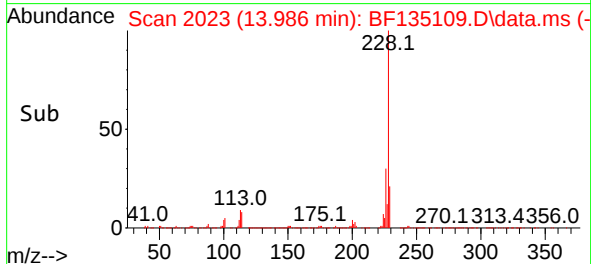
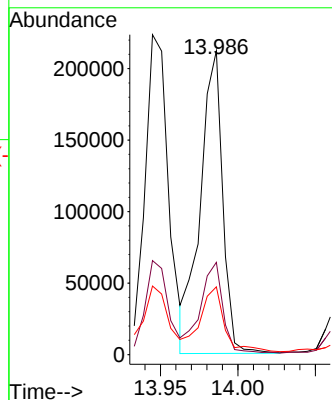
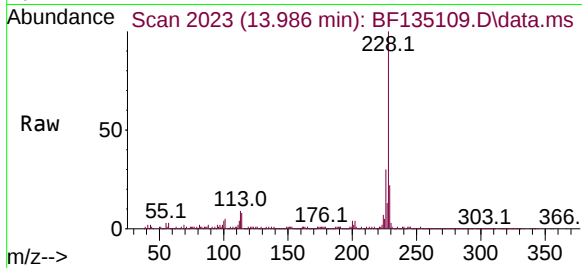




#83
Chrysene
Concen: 18.164 ng
RT: 13.986 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

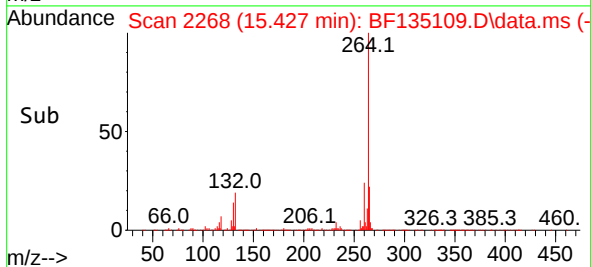
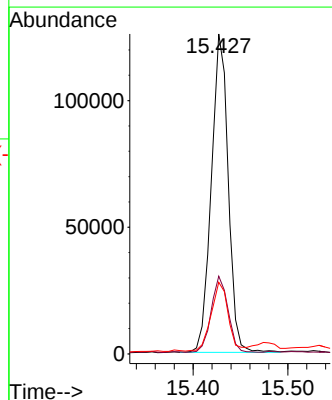
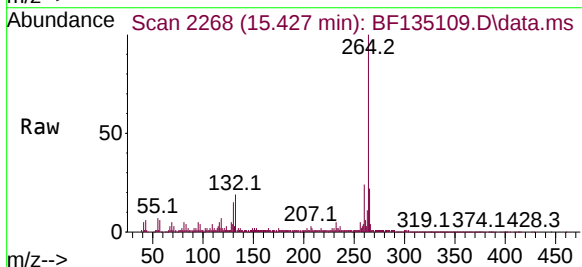
Instrument :
BNA_F
ClientSampleId :
OR-3-083123

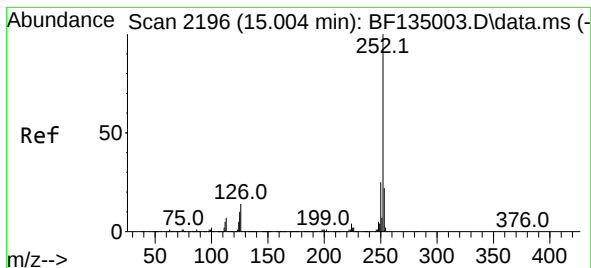
Tgt Ion:228 Resp: 213313
Ion Ratio Lower Upper
228 100
226 30.4 24.2 36.4
229 22.3 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2268
Delta R.T. -0.000 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

Tgt Ion:264 Resp: 156078
Ion Ratio Lower Upper
264 100
260 24.3 19.0 28.6
265 22.4 18.2 27.2





#88

Benzo(b)fluoranthene

Concen: 28.695 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.000 min

Lab File: BF135109.D

Acq: 05 Sep 2023 23:32

Instrument :

BNA_F

ClientSampleId :

OR-3-083123

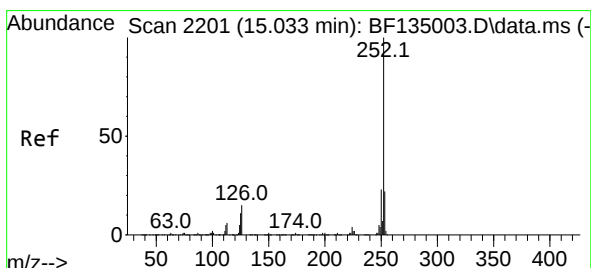
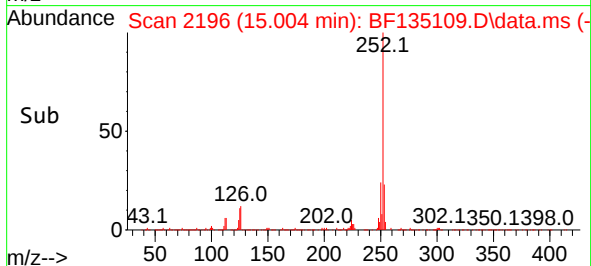
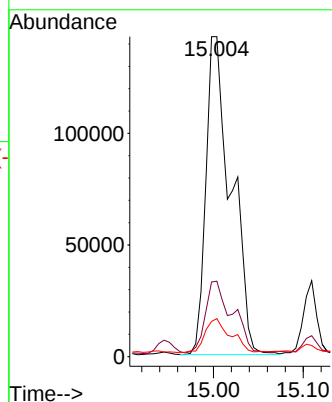
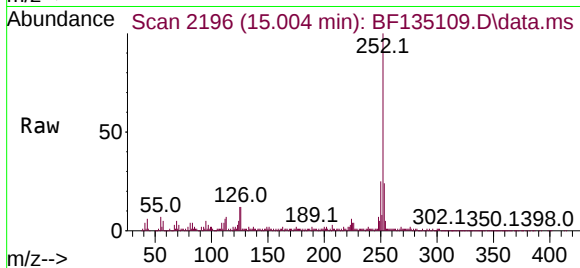
Tgt Ion:252 Resp: 278673

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.8

125 11.9 8.4 12.6



#89

Benzo(k)fluoranthene

Concen: 29.703 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.029 min

Lab File: BF135109.D

Acq: 05 Sep 2023 23:32

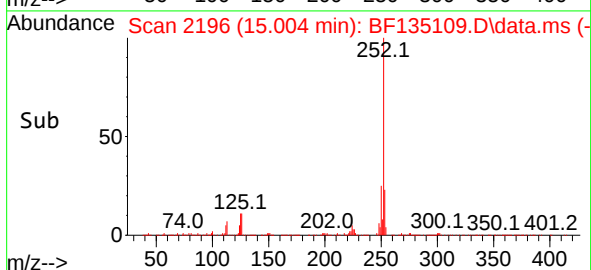
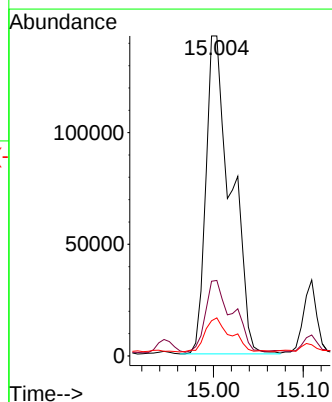
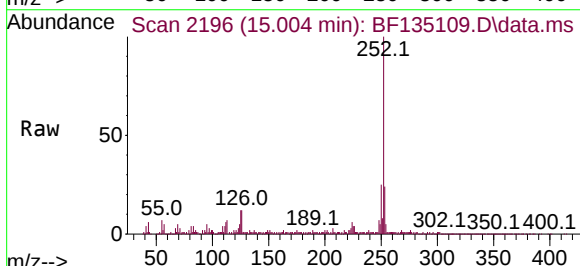
Tgt Ion:252 Resp: 278673

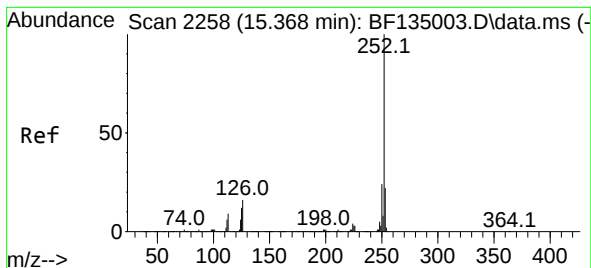
Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

125 11.9 8.5 12.7





#90

Benzo(a)pyrene

Concen: 16.610 ng

RT: 15.362 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF135109.D

Acq: 05 Sep 2023 23:32

Instrument :

BNA_F

ClientSampleId :

OR-3-083123

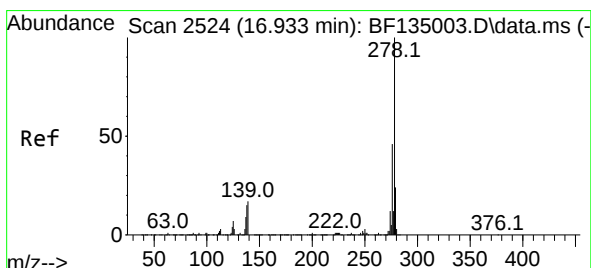
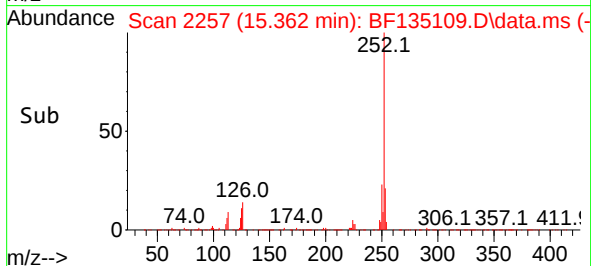
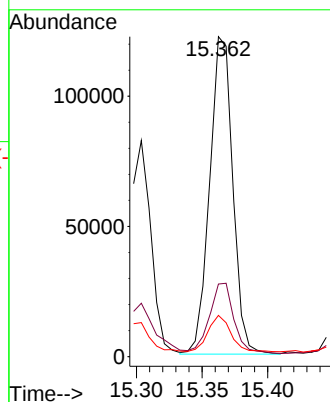
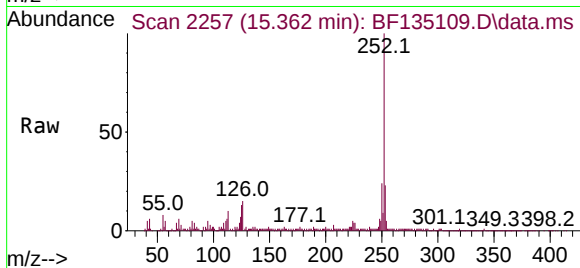
Tgt Ion:252 Resp: 149852

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 12.9 9.5 14.3



#91

Dibenzo(a,h)anthracene

Concen: 2.346 ng

RT: 16.921 min Scan# 2522

Delta R.T. -0.012 min

Lab File: BF135109.D

Acq: 05 Sep 2023 23:32

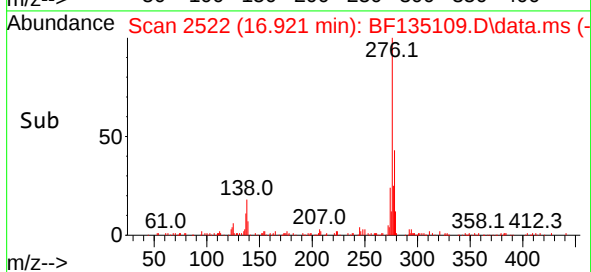
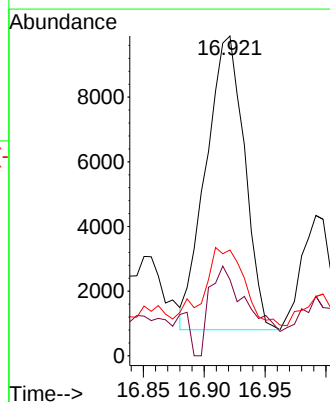
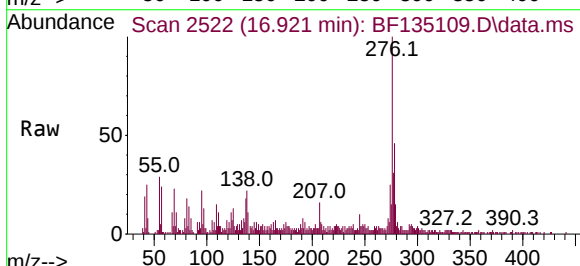
Tgt Ion:278 Resp: 19979

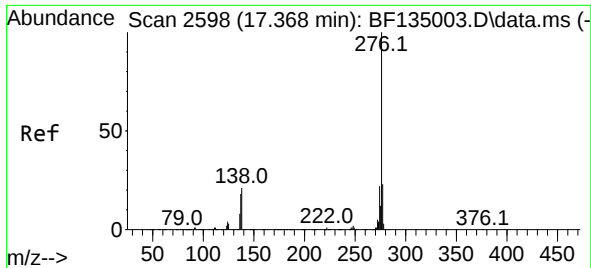
Ion Ratio Lower Upper

278 100

139 23.8 13.4 20.2#

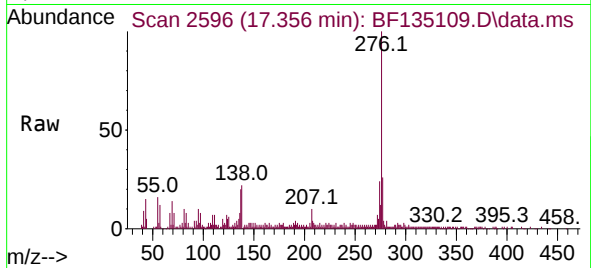
279 33.1 19.5 29.3#





#92
 Benzo(g,h,i)perylene
 Concen: 8.288 ng
 RT: 17.356 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF135109.D
 Acq: 05 Sep 2023 23:32

Instrument :
 BNA_F
 ClientSampleId :
 OR-3-083123



Tgt Ion: 276 Resp: 73397

Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.5	27.7
138	22.3	17.1	25.7

