

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091323\
 Data File : BF135234.D
 Acq On : 13 Sep 2023 21:26
 Operator : CG\JU
 Sample : 04299-08DL 100X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-COMPDL

Quant Time: Sep 14 02:24:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

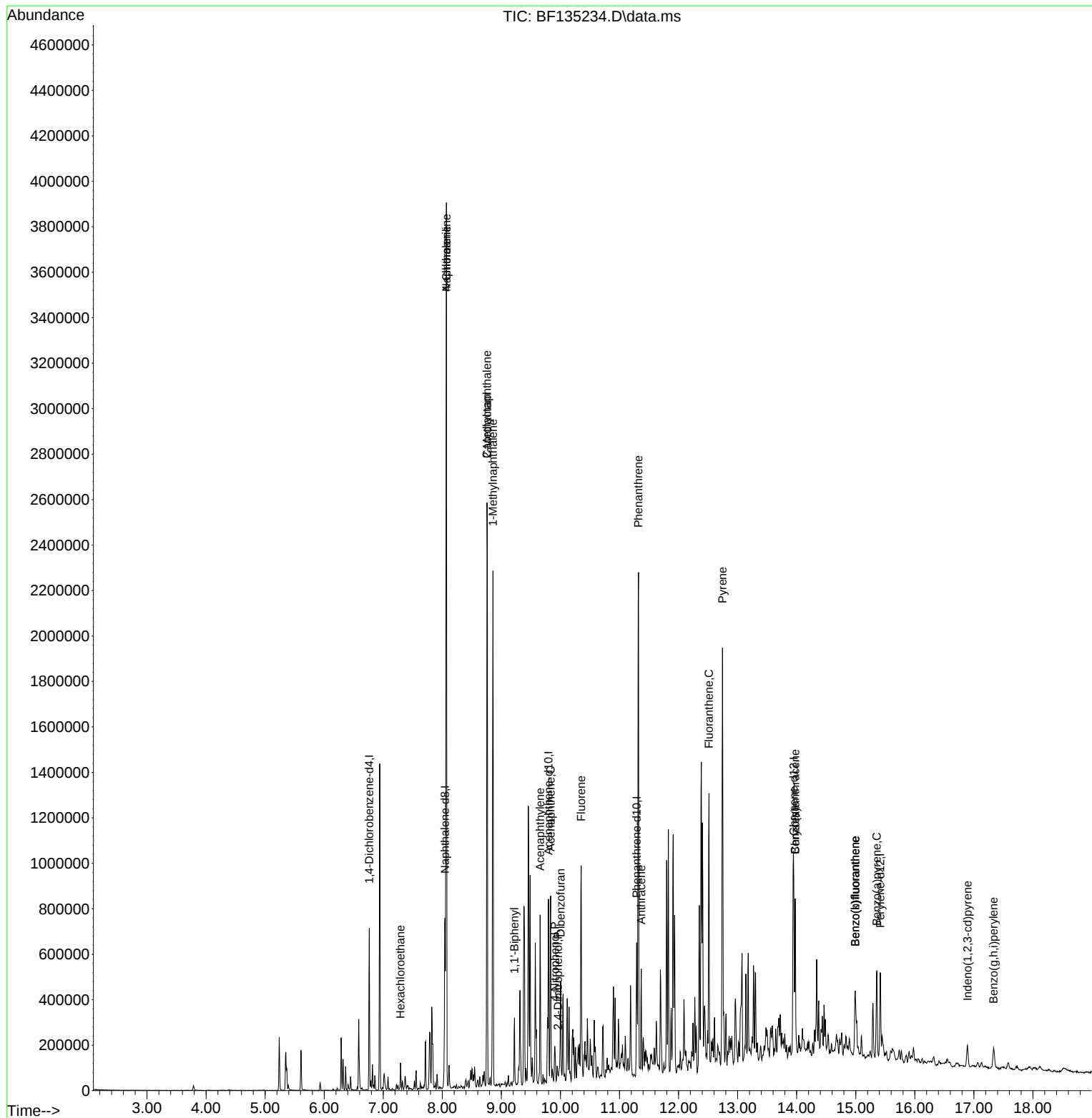
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	97182	20.000	ng	0.00
21) Naphthalene-d8	8.045	136	350095	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	145367	20.000	ng	0.00
64) Phenanthrene-d10	11.292	188	219400	20.000	ng	0.00
76) Chrysene-d12	13.951	240	180568	20.000	ng	0.00
86) Perylene-d12	15.415	264	181346	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.392	112	6350	1.063	ng	0.00
7) Phenol-d6	6.404	99	9160	1.206	ng	0.00
23) Nitrobenzene-d5	7.322	82	4875	0.757	ng	-0.01
42) 2,4,6-Tribromophenol	10.592	330	993	0.687	ng	0.00
45) 2-Fluorobiphenyl	9.116	172	10741	1.115	ng	-0.01
79) Terphenyl-d14	12.886	244	8830	0.758	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.292	117	7286	2.990	ng	# 1
31) Naphthalene	8.069	128	1656351	97.375	ng	99
33) 4-Chloroaniline	8.069	127	219165	29.367	ng	# 31
35) Caprolactam	8.757	113	16042	10.039	ng	# 1
37) 2-Methylnaphthalene	8.757	142	725902	63.486	ng	99
38) 1-Methylnaphthalene	8.857	142	550534	51.427	ng	99
46) 1,1'-Biphenyl	9.222	154	87267	7.812	ng	98
49) Acenaphthylene	9.657	152	140523	10.432	ng	# 92
52) Acenaphthene	9.833	154	160718	20.197	ng	98
54) 2,4-Dinitrophenol	9.957	184	89	6.315	ng	# 1
55) Dibenzofuran	10.004	168	36337	2.992	ng	# 64
56) 4-Nitrophenol	9.904	139	3685	2.294	ng	# 33
58) Fluorene	10.351	166	261526	28.015	ng	99
71) Phenanthrene	11.321	178	875730	84.394	ng	100
72) Anthracene	11.368	178	167243	15.680	ng	100
75) Fluoranthene	12.515	202	440242	40.716	ng	97
78) Pyrene	12.745	202	774379	45.044	ng	100
81) Benzo(a)anthracene	13.974	228	266654	22.870	ng	93
83) Chrysene	13.974	228	266654	23.002	ng	97
87) Indeno(1,2,3-cd)pyrene	16.892	276	57429	4.830	ng	98
88) Benzo(b)fluoranthene	14.992	252	219401	22.349	ng	# 95
89) Benzo(k)fluoranthene	14.992	252	219401	22.625	ng	# 96
90) Benzo(a)pyrene	15.356	252	185188	19.781	ng	99
92) Benzo(g,h,i)perylene	17.333	276	72872	7.172	ng	97

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

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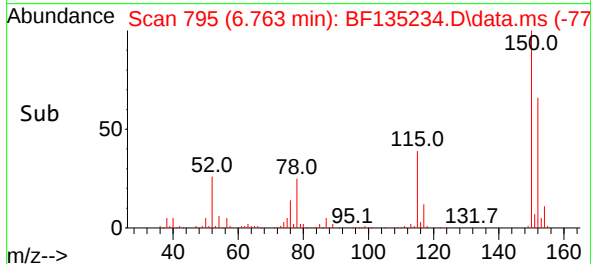
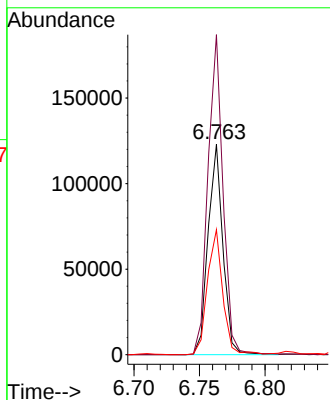
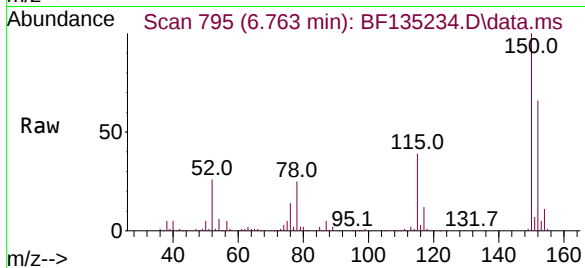




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.763 min Scan# 795
 Delta R.T. -0.000 min
 Lab File: BF135234.D
 Acq: 13 Sep 2023 21:26

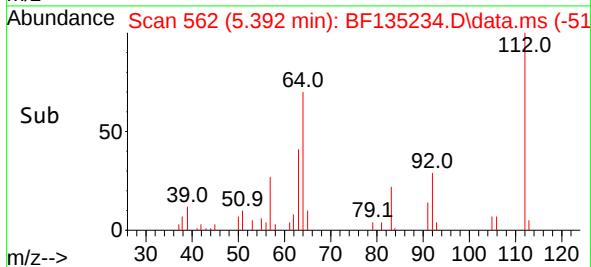
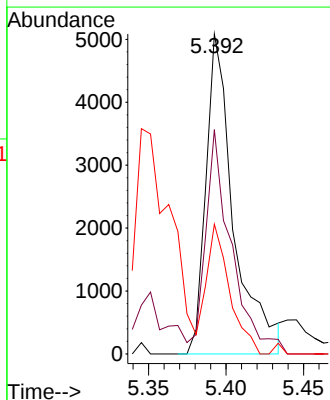
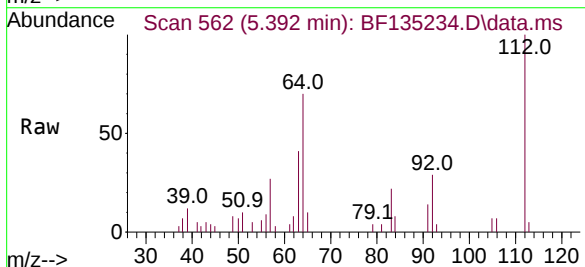
Instrument :
 BNA_F
 ClientSampleId :
 SB-04-COMPDL

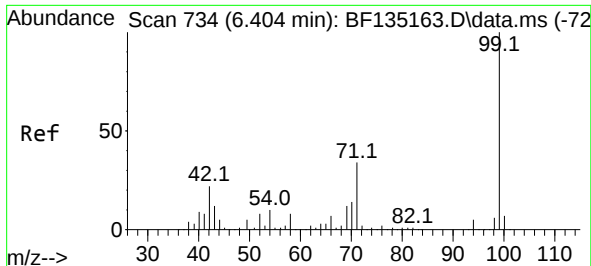
Tgt Ion:152 Resp: 97182
 Ion Ratio Lower Upper
 152 100
 150 152.1 127.8 191.6
 115 59.4 49.8 74.8



#5
 2-Fluorophenol
 Concen: 1.063 ng
 RT: 5.392 min Scan# 562
 Delta R.T. 0.006 min
 Lab File: BF135234.D
 Acq: 13 Sep 2023 21:26

Tgt Ion:112 Resp: 6350
 Ion Ratio Lower Upper
 112 100
 64 70.1 55.9 83.9
 63 40.6 29.0 43.6

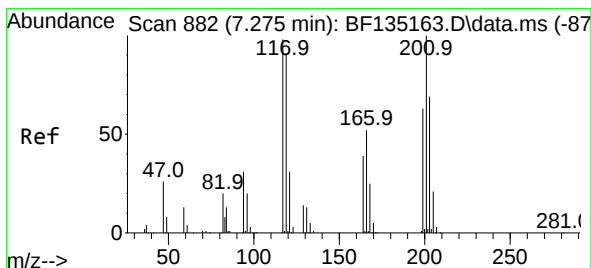
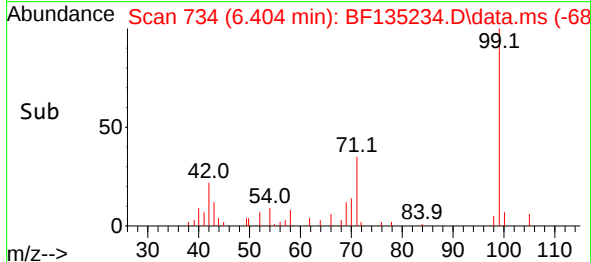
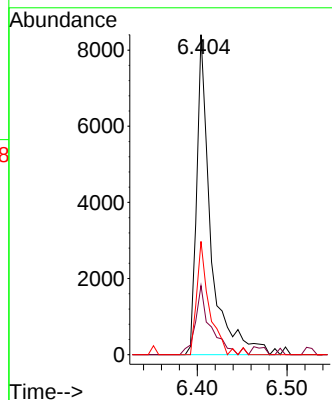
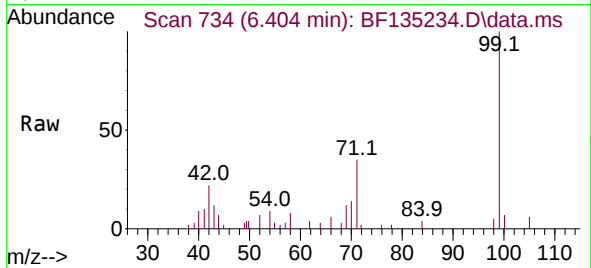




#7
Phenol-d6
Concen: 1.206 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135234.D
Acq: 13 Sep 2023 21:26

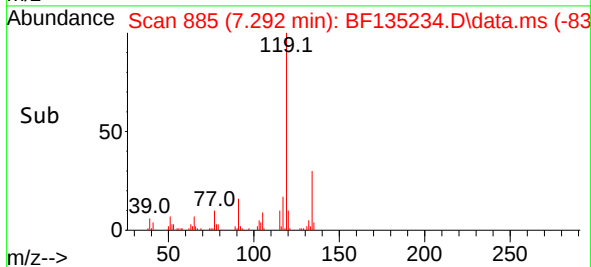
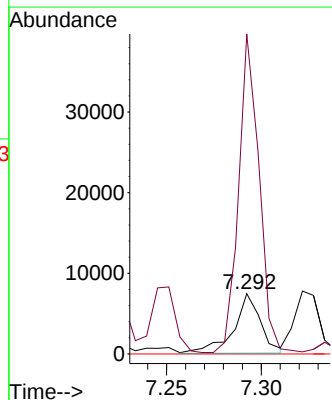
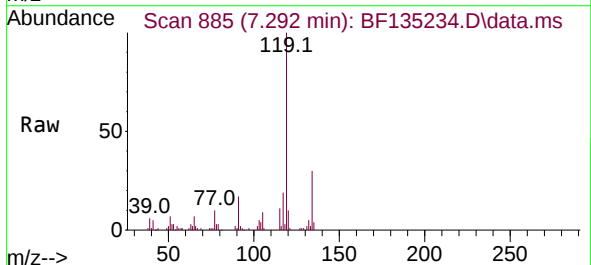
Instrument :
BNA_F
ClientSampleId :
SB-04-COMPDL

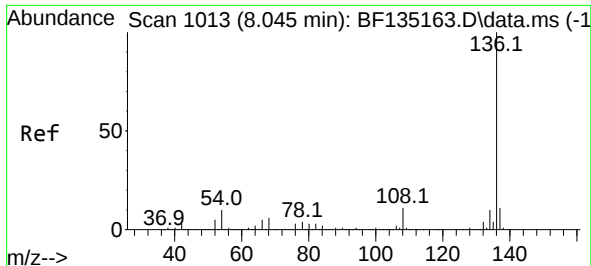
Tgt Ion: 99 Resp: 9160
Ion Ratio Lower Upper
99 100
42 21.6 17.9 26.9
71 35.4 27.0 40.6



#18
Hexachloroethane
Concen: 2.990 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.018 min
Lab File: BF135234.D
Acq: 13 Sep 2023 21:26

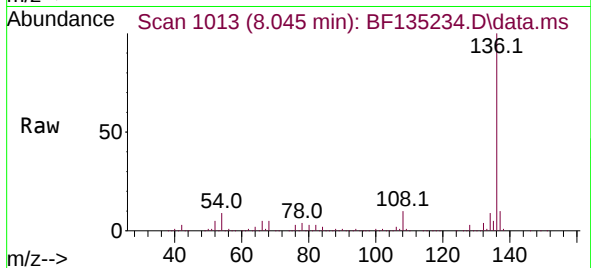
Tgt Ion: 117 Resp: 7286
Ion Ratio Lower Upper
117 100
119 530.4 74.7 112.1#
201 0.0 81.8 122.8#



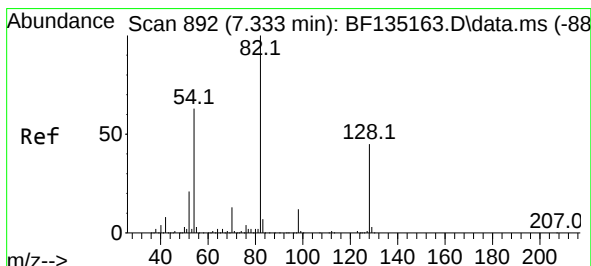
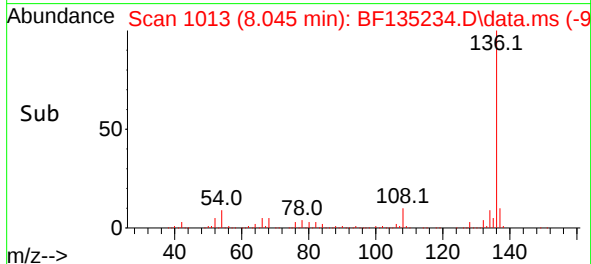
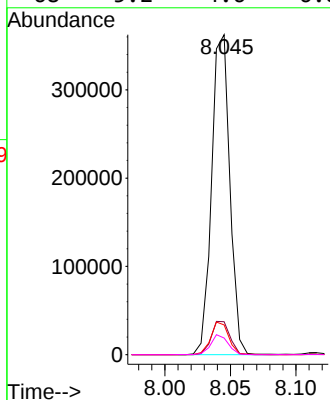


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.045 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF135234.D
Acq: 13 Sep 2023 21:26

Instrument :
BNA_F
ClientSampleId :
SB-04-COMPDL

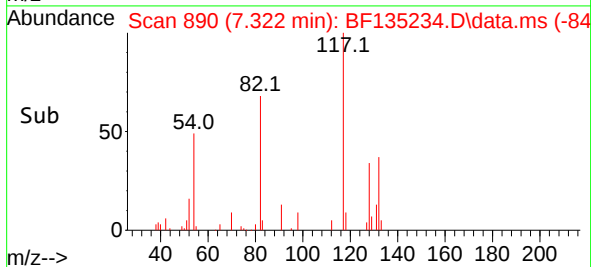
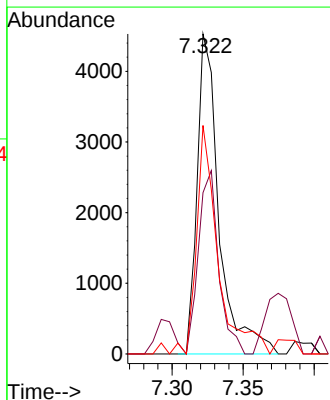
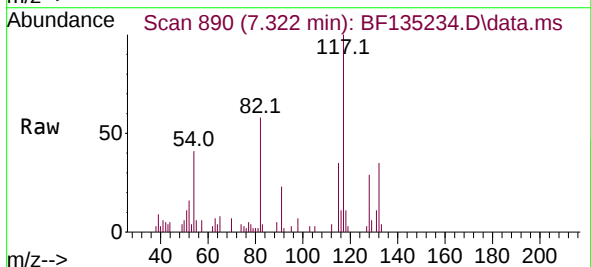


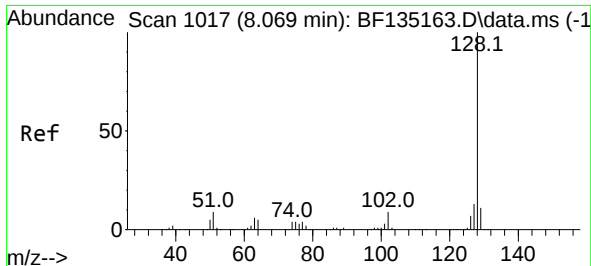
Tgt Ion:	136	Resp:	350095
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.8	13.2
54	9.3	7.7	11.5
68	5.2	4.6	6.8



#23
Nitrobenzene-d5
Concen: 0.757 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF135234.D
Acq: 13 Sep 2023 21:26

Tgt Ion:	82	Resp:	4875
Ion Ratio	Lower	Upper	
82	100		
128	50.4	35.8	53.6
54	71.4	50.6	76.0

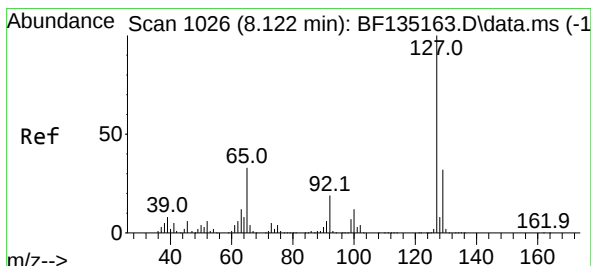
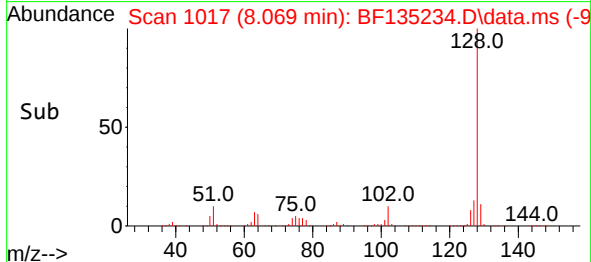
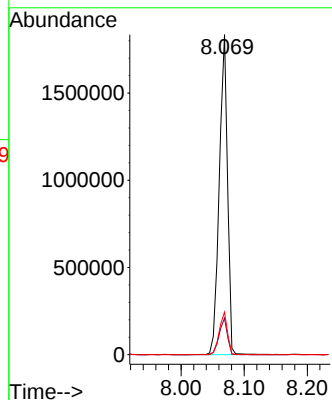
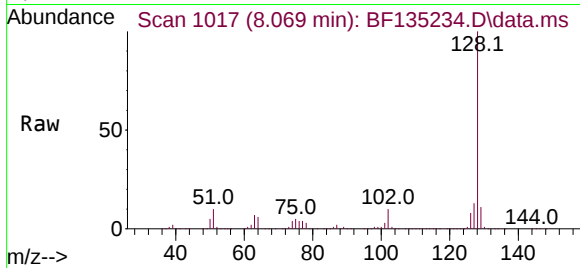




#31
Naphthalene
Concen: 97.375 ng
RT: 8.069 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF135234.D
Acq: 13 Sep 2023 21:26

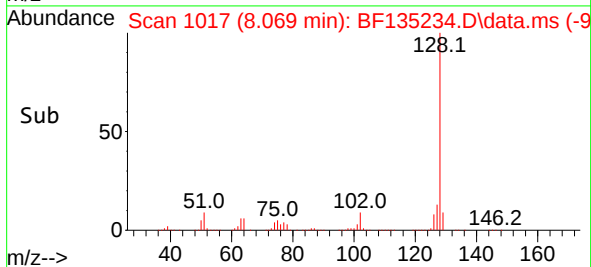
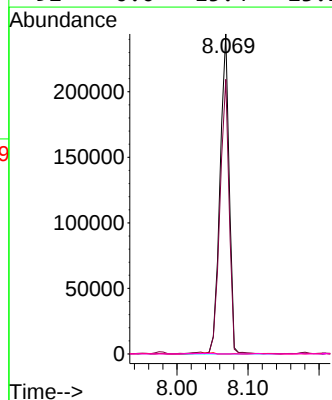
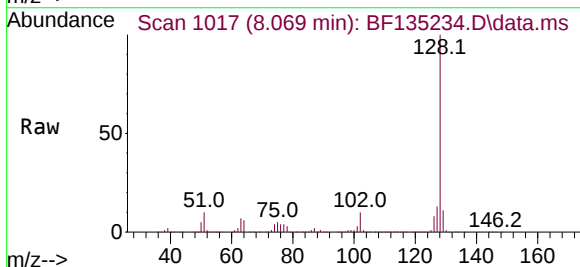
Instrument :
BNA_F
ClientSampleId :
SB-04-COMPD

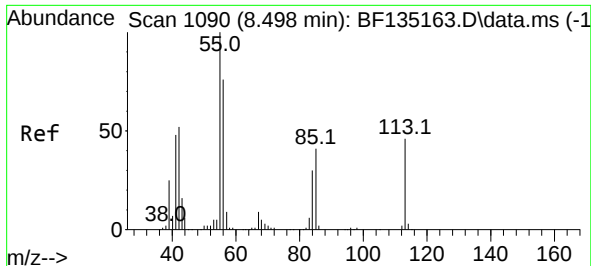
Tgt Ion:128 Resp: 1656351
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 13.3 10.7 16.1



#33
4-Chloroaniline
Concen: 29.367 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.053 min
Lab File: BF135234.D
Acq: 13 Sep 2023 21:26

Tgt Ion:127 Resp: 219165
Ion Ratio Lower Upper
127 100
129 85.8 25.8 38.8#
65 0.0 26.6 39.8#
92 0.0 15.4 23.2#

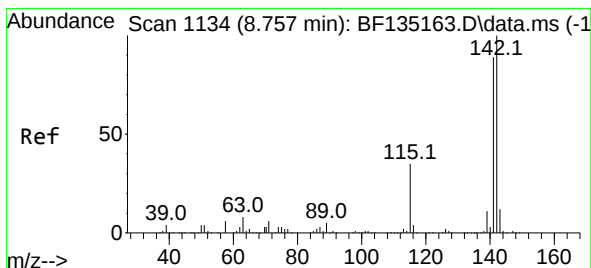
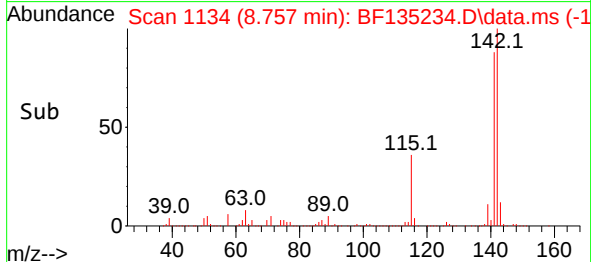
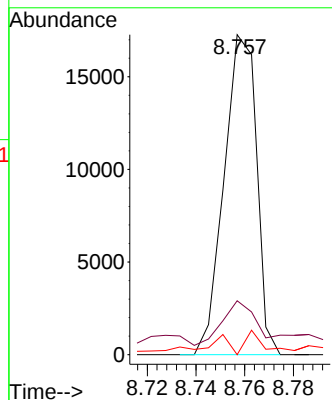
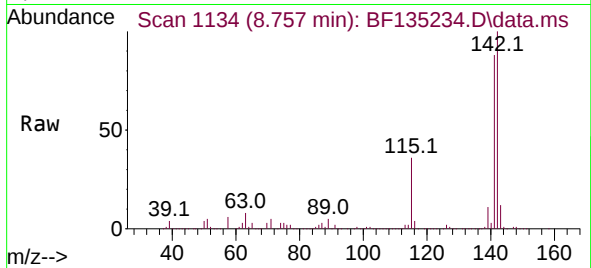




#35
 Caprolactam
 Concen: 10.039 ng
 RT: 8.757 min Scan# 1134
 Delta R.T. 0.259 min
 Lab File: BF135234.D
 Acq: 13 Sep 2023 21:26

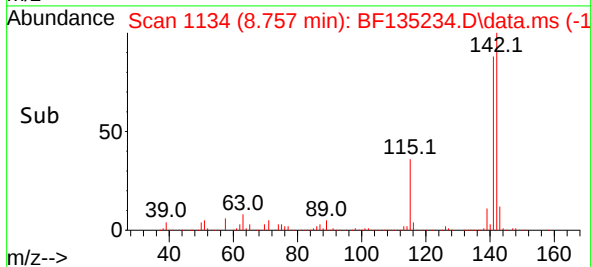
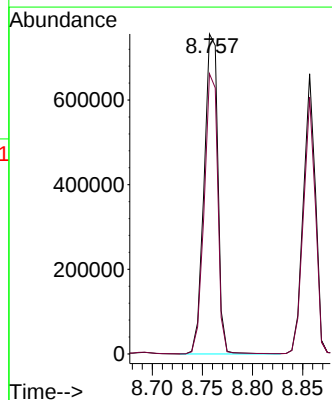
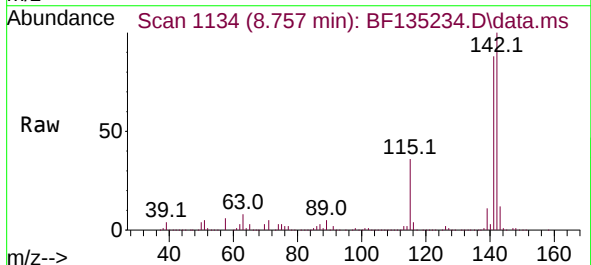
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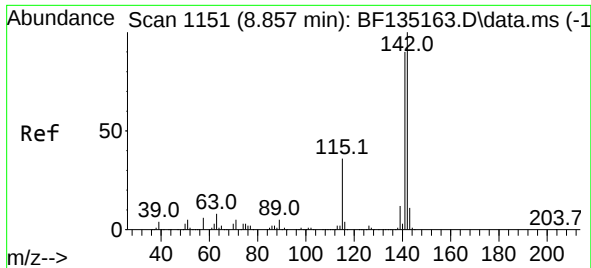
Tgt Ion:113 Resp: 16042
 Ion Ratio Lower Upper
 113 100
 55 16.8 199.3 239.3#
 56 0.0 146.3 186.3#



#37
 2-Methylnaphthalene
 Concen: 63.486 ng
 RT: 8.757 min Scan# 1134
 Delta R.T. 0.000 min
 Lab File: BF135234.D
 Acq: 13 Sep 2023 21:26

Tgt Ion:142 Resp: 725902
 Ion Ratio Lower Upper
 142 100
 141 87.6 71.0 106.6

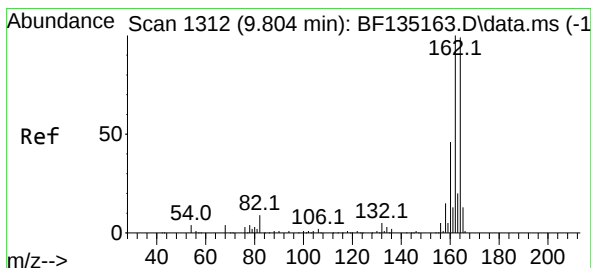
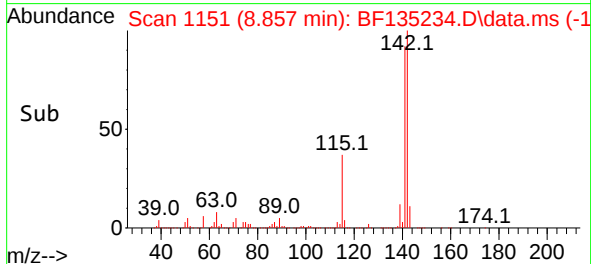
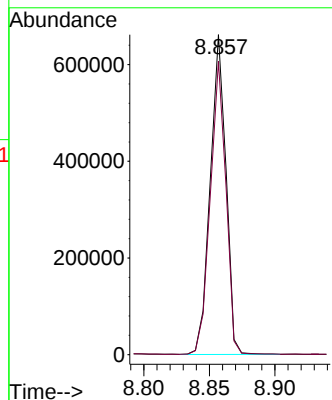
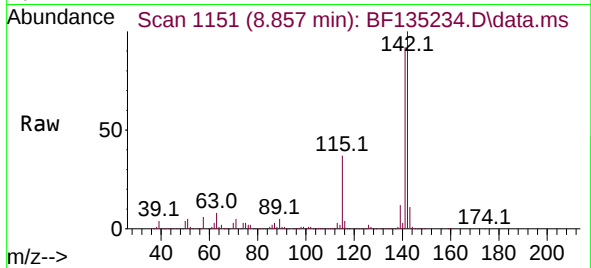




#38
1-Methylnaphthalene
Concen: 51.427 ng
RT: 8.857 min Scan# 1151
Delta R.T. 0.000 min
Lab File: BF135234.D
Acq: 13 Sep 2023 21:26

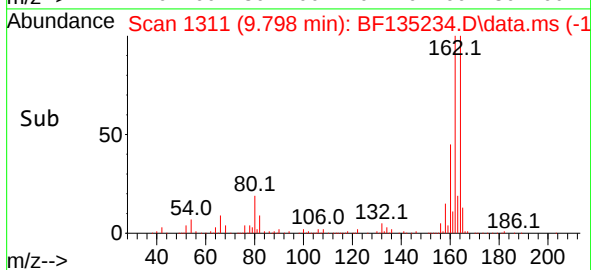
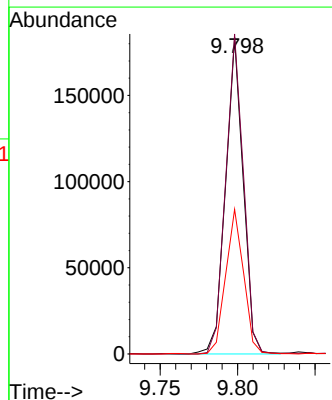
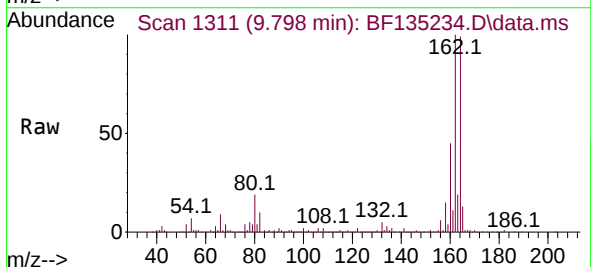
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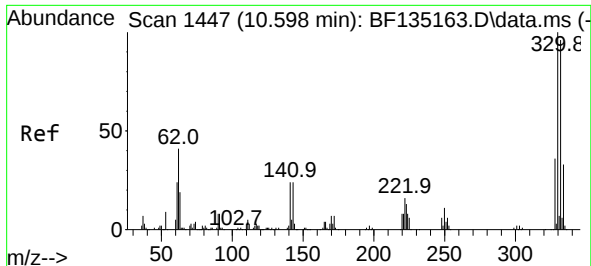
Tgt Ion:142 Resp: 550534
Ion Ratio Lower Upper
142 100
141 91.7 72.4 108.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.798 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF135234.D
Acq: 13 Sep 2023 21:26

Tgt Ion:164 Resp: 145367
Ion Ratio Lower Upper
164 100
162 101.0 81.0 121.4
160 45.7 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 0.687 ng

RT: 10.592 min Scan# 1447

Delta R.T. -0.006 min

Lab File: BF135234.D

Acq: 13 Sep 2023 21:26

Instrument :

BNA_F

ClientSampleId :

SB-04-COMPDL

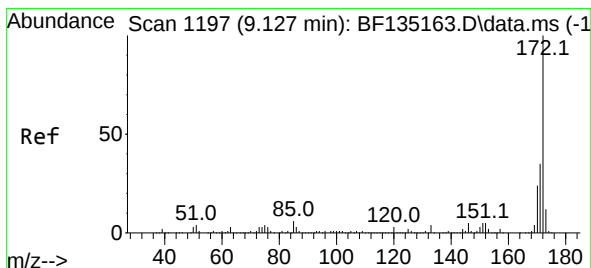
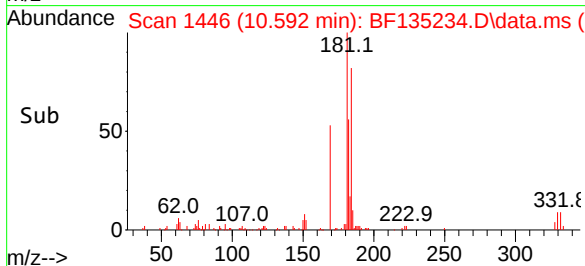
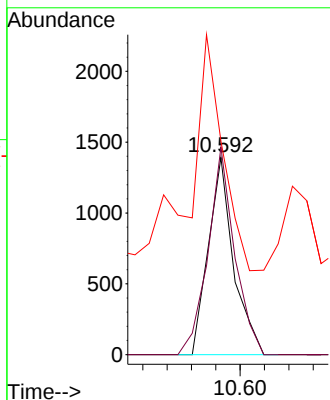
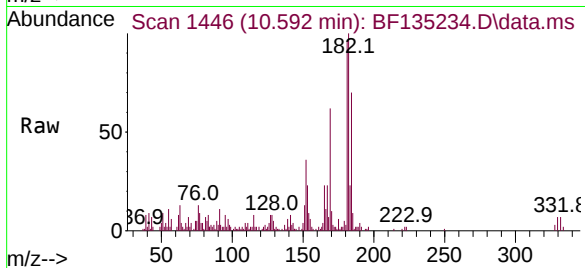
Tgt Ion:330 Resp: 993

Ion Ratio Lower Upper

330 100

332 111.7 77.3 115.9

141 157.9 25.8 38.8#



#45

2-Fluorobiphenyl

Concen: 1.115 ng

RT: 9.116 min Scan# 1195

Delta R.T. -0.012 min

Lab File: BF135234.D

Acq: 13 Sep 2023 21:26

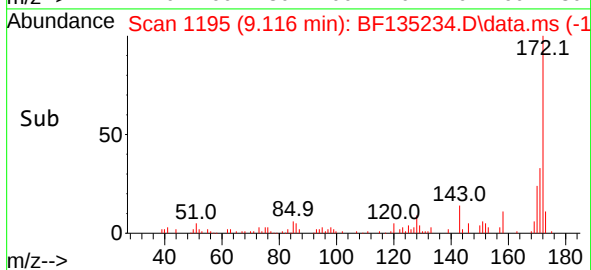
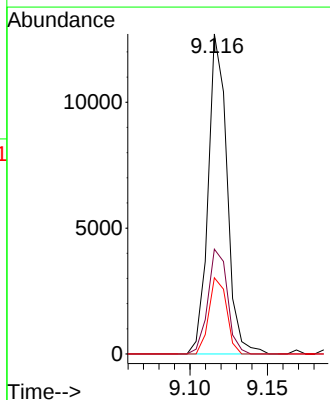
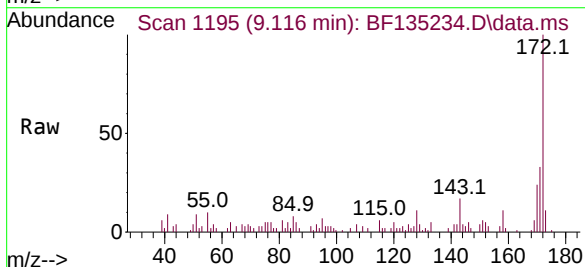
Tgt Ion:172 Resp: 10741

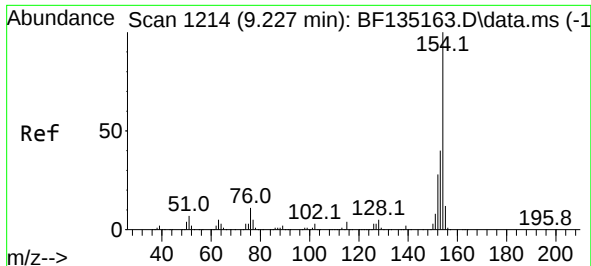
Ion Ratio Lower Upper

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171 32.8 28.4 42.6

170 23.8 19.0 28.4

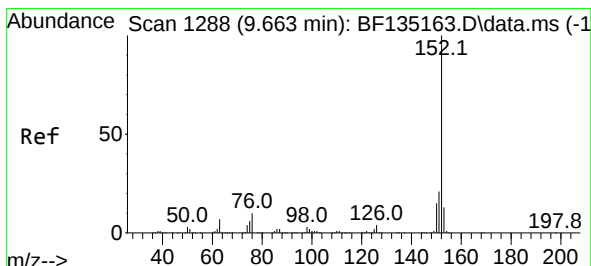
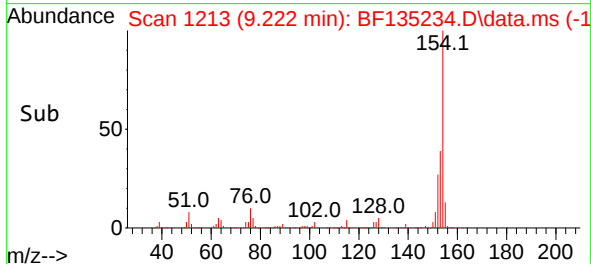
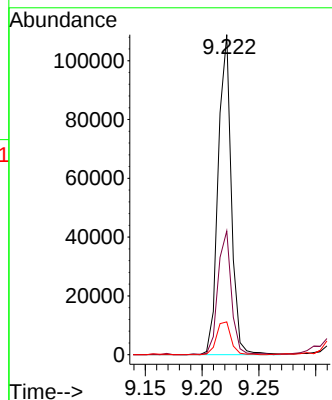
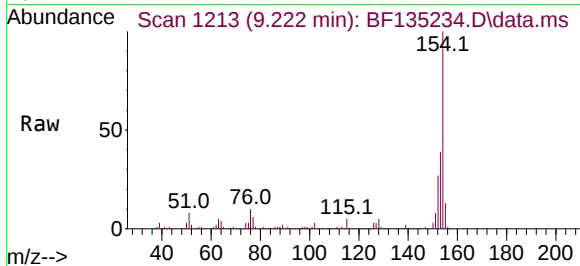




#46
1,1'-Biphenyl
Concen: 7.812 ng
RT: 9.222 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135234.D
Acq: 13 Sep 2023 21:26

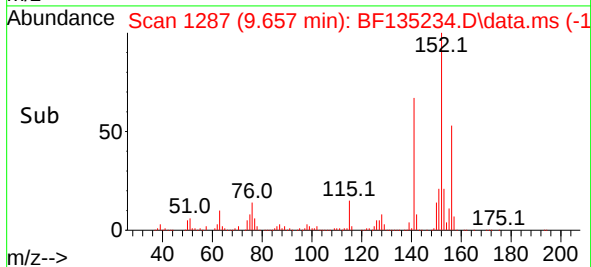
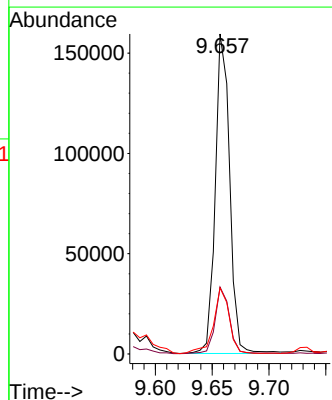
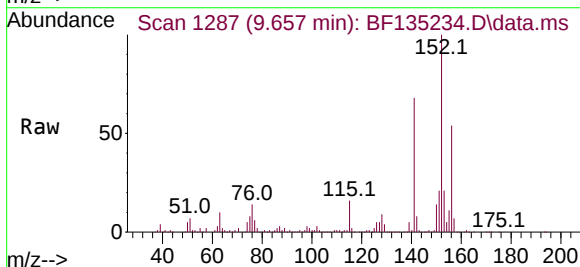
Instrument :
BNA_F
ClientSampleId :
SB-04-COMPDL

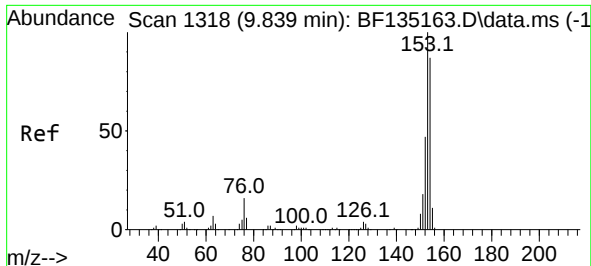
Tgt Ion:154 Resp: 87267
Ion Ratio Lower Upper
154 100
153 38.6 19.6 59.6
76 10.2 0.0 31.0



#49
Acenaphthylene
Concen: 10.432 ng
RT: 9.657 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BF135234.D
Acq: 13 Sep 2023 21:26

Tgt Ion:152 Resp: 140523
Ion Ratio Lower Upper
152 100
151 20.9 16.4 24.6
153 20.6 10.4 15.6#

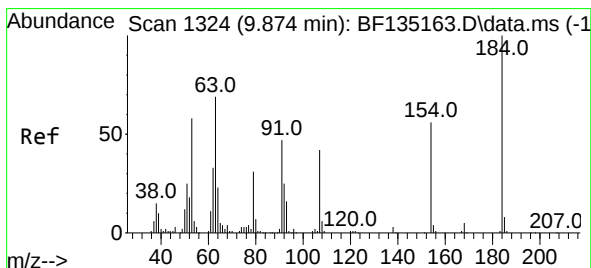
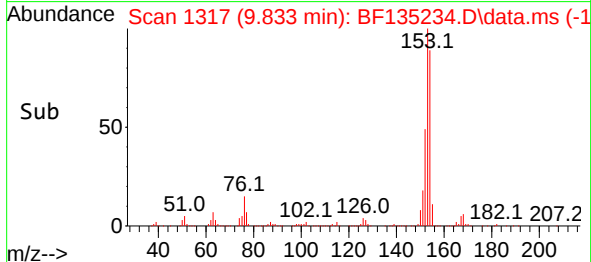
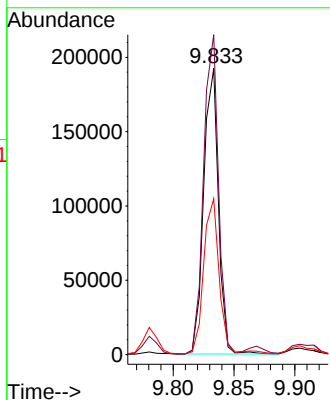
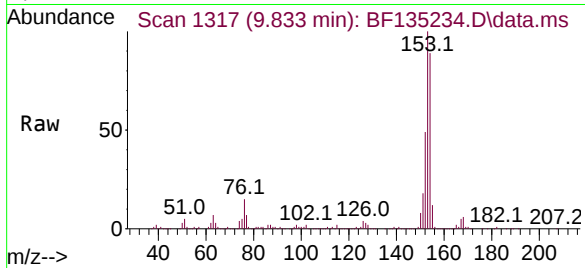




#52
Acenaphthene
Concen: 20.197 ng
RT: 9.833 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF135234.D
Acq: 13 Sep 2023 21:26

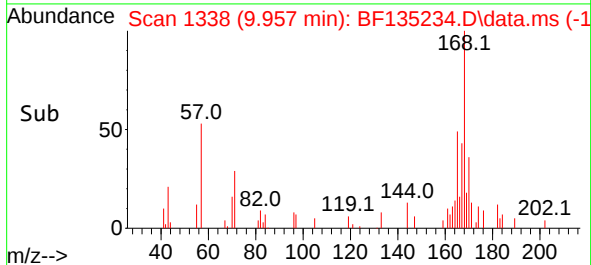
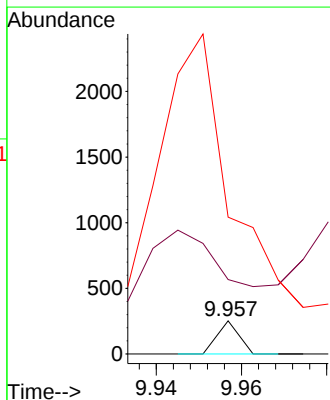
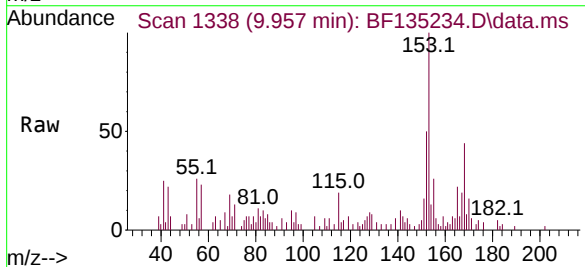
Instrument :
BNA_F
ClientSampleId :
SB-04-COMPDL

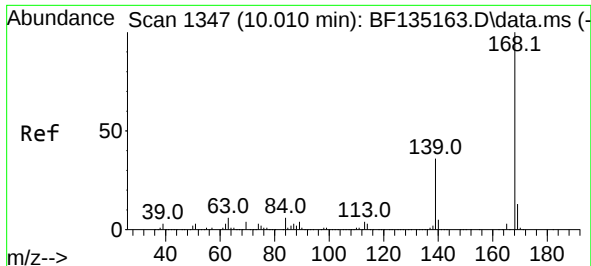
Tgt Ion:154 Resp: 160718
Ion Ratio Lower Upper
154 100
153 111.8 92.1 138.1
152 54.5 43.1 64.7



#54
2,4-Dinitrophenol
Concen: 6.315 ng
RT: 9.957 min Scan# 1338
Delta R.T. 0.083 min
Lab File: BF135234.D
Acq: 13 Sep 2023 21:26

Tgt Ion:184 Resp: 89
Ion Ratio Lower Upper
184 100
63 225.0 55.1 82.7#
154 413.5 48.4 72.6#

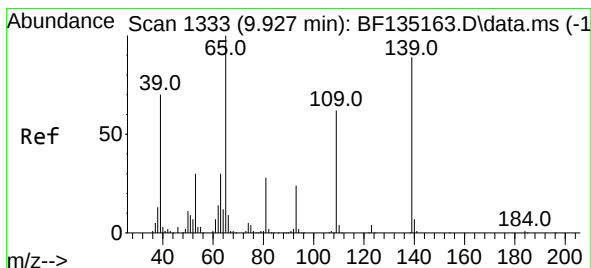
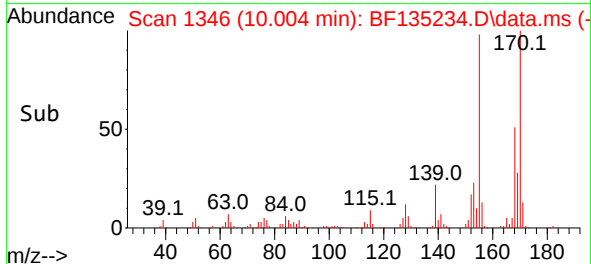
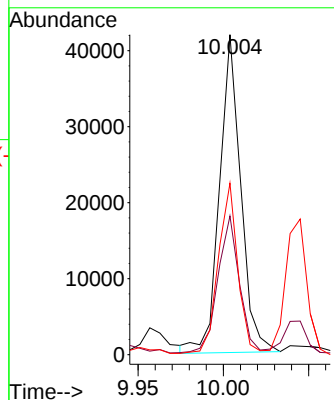
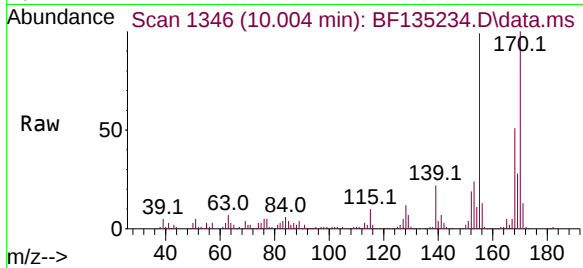




#55
Dibenzenofuran
Concen: 2.992 ng
RT: 10.004 min Scan# 1347
Delta R.T. -0.006 min
Lab File: BF135234.D
Acq: 13 Sep 2023 21:26

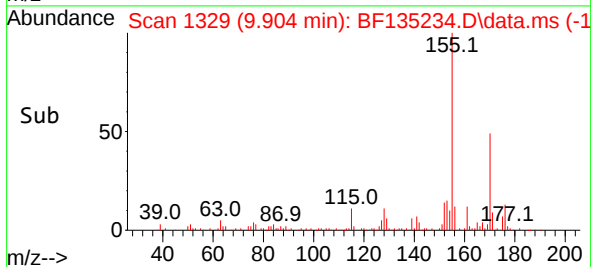
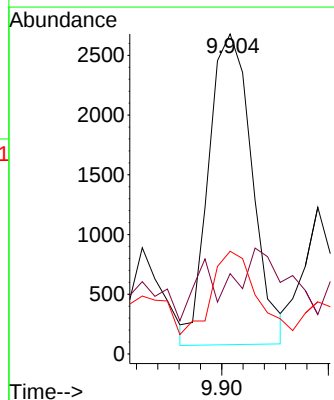
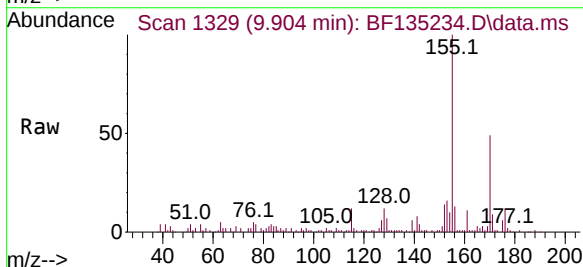
Instrument :
BNA_F
ClientSampleId :
SB-04-COMPDL

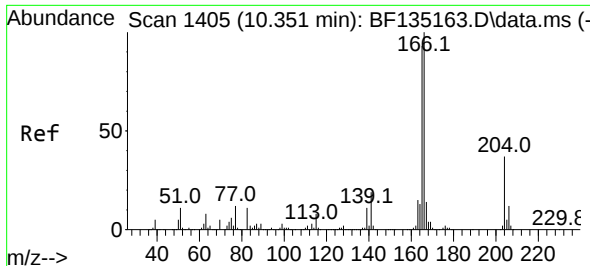
Tgt Ion:168 Resp: 36337
Ion Ratio Lower Upper
168 100
139 43.4 29.0 43.6
169 53.6 10.4 15.6#



#56
4-Nitrophenol
Concen: 2.294 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.023 min
Lab File: BF135234.D
Acq: 13 Sep 2023 21:26

Tgt Ion:139 Resp: 3685
Ion Ratio Lower Upper
139 100
109 25.1 49.8 89.8#
65 32.1 92.7 132.7#

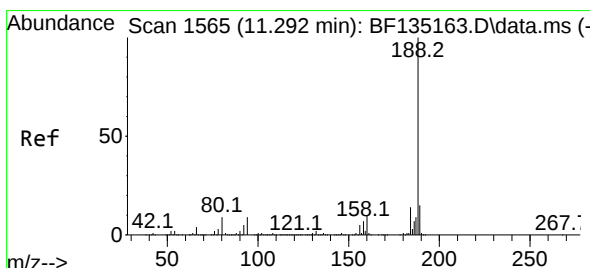
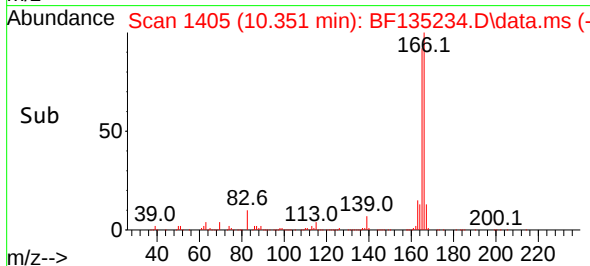
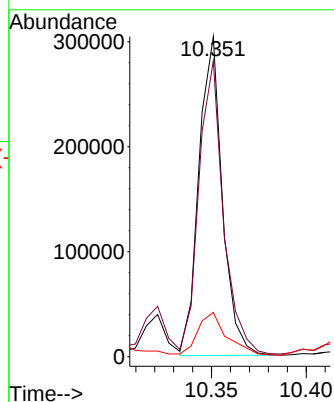
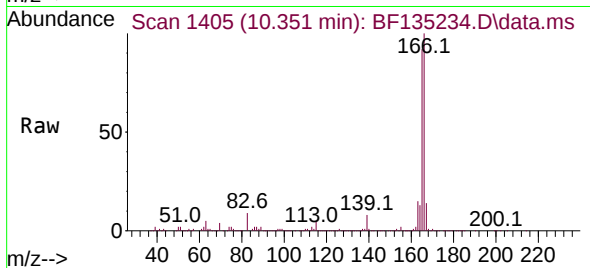




#58
 Fluorene
 Concen: 28.015 ng
 RT: 10.351 min Scan# 1405
 Delta R.T. 0.000 min
 Lab File: BF135234.D
 Acq: 13 Sep 2023 21:26

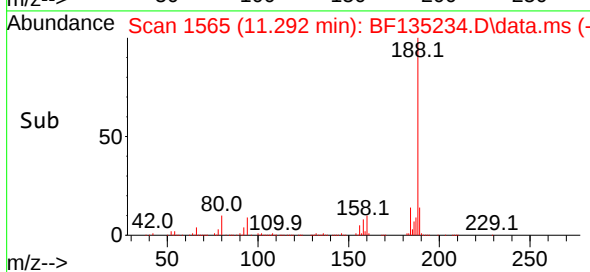
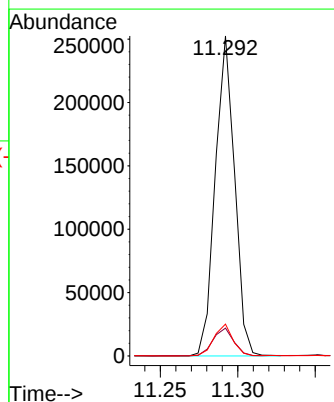
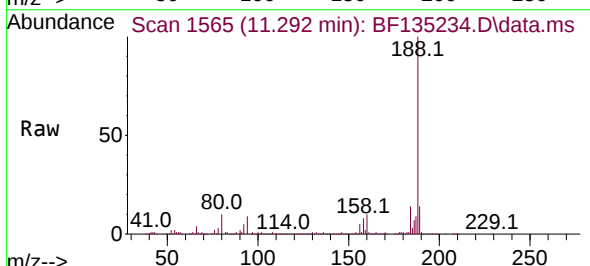
Instrument :
 BNA_F
 ClientSampleId :
 SB-04-COMPDL

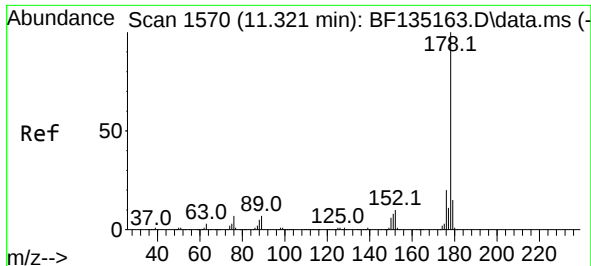
Tgt Ion:166 Resp: 261526
 Ion Ratio Lower Upper
 166 100
 165 92.4 74.3 111.5
 167 13.8 10.9 16.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.292 min Scan# 1565
 Delta R.T. 0.000 min
 Lab File: BF135234.D
 Acq: 13 Sep 2023 21:26

Tgt Ion:188 Resp: 219400
 Ion Ratio Lower Upper
 188 100
 94 8.7 7.0 10.6
 80 10.0 7.5 11.3

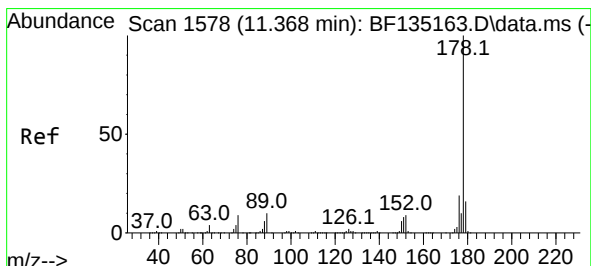
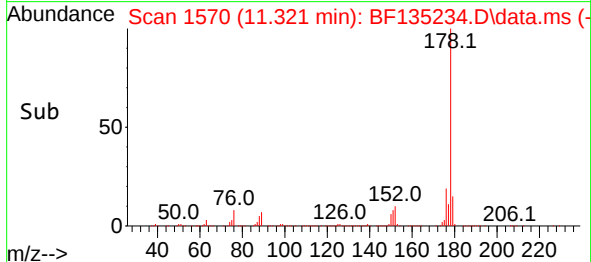
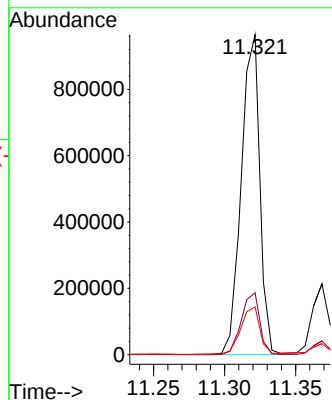
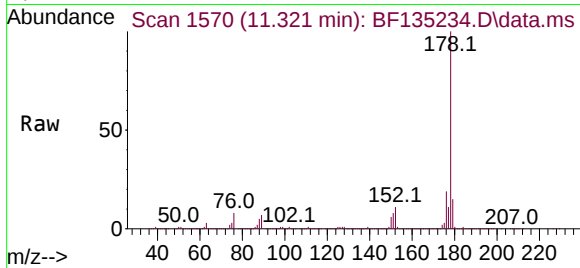




#71
Phenanthrene
Concen: 84.394 ng
RT: 11.321 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF135234.D
Acq: 13 Sep 2023 21:26

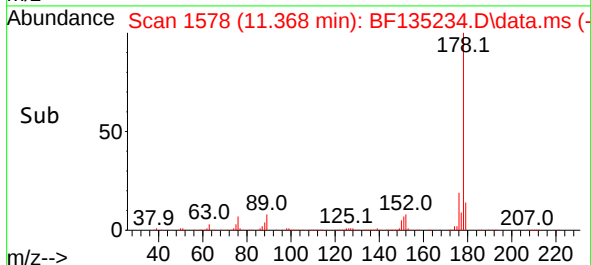
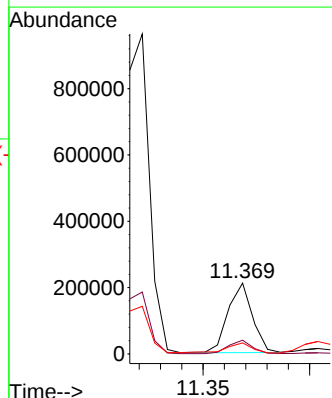
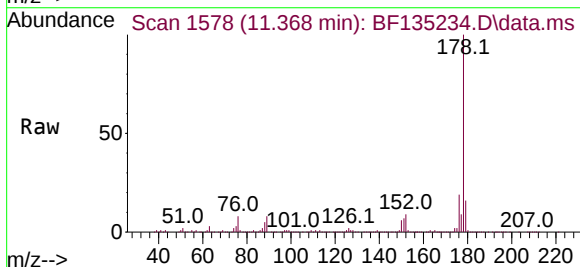
Instrument :
BNA_F
ClientSampleId :
SB-04-COMPDL

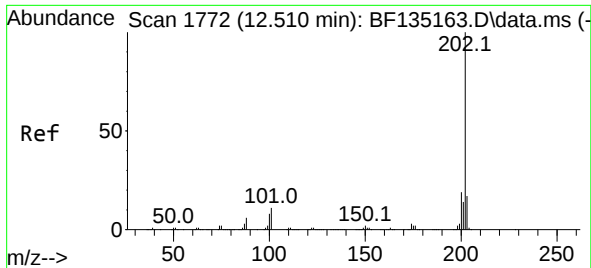
Tgt Ion:178 Resp: 875730
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 14.9 12.0 18.0



#72
Anthracene
Concen: 15.680 ng
RT: 11.368 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF135234.D
Acq: 13 Sep 2023 21:26

Tgt Ion:178 Resp: 167243
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.6 12.6 19.0

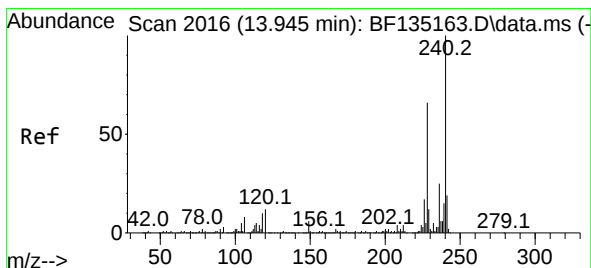
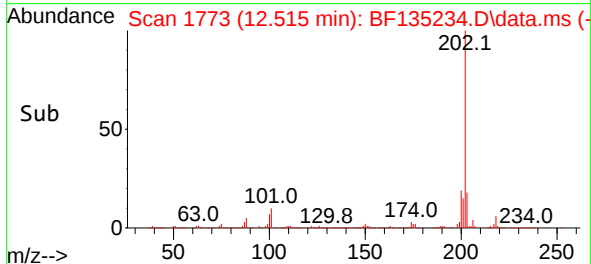
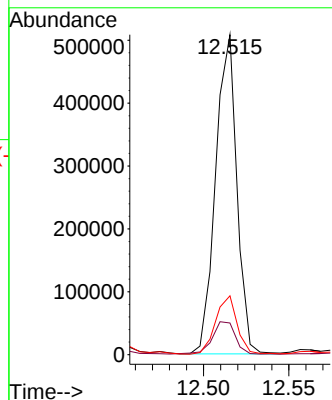
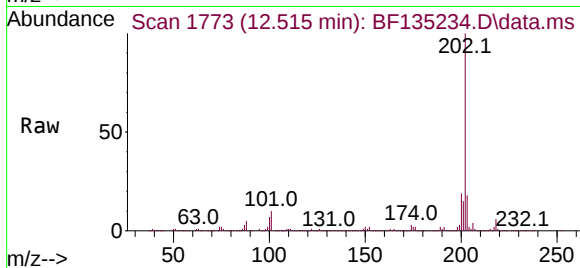




#75
Fluoranthene
Concen: 40.716 ng
RT: 12.515 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF135234.D
Acq: 13 Sep 2023 21:26

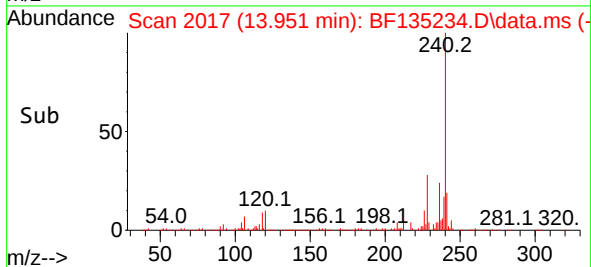
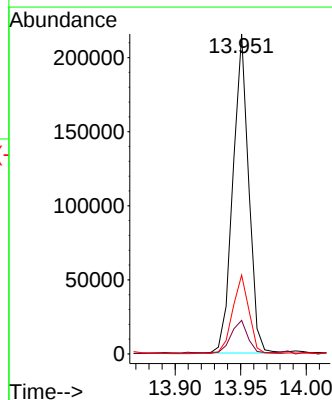
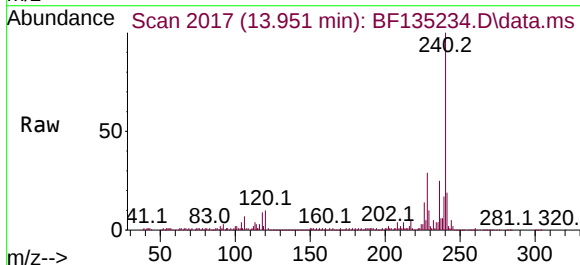
Instrument :
BNA_F
ClientSampleId :
SB-04-COMPDL

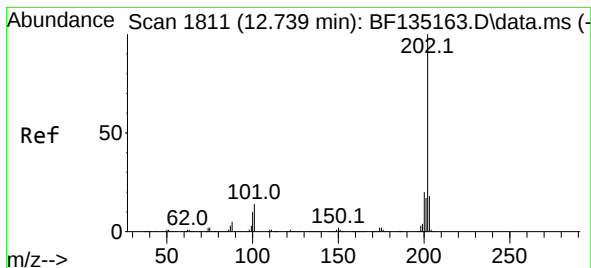
Tgt Ion:202 Resp: 440242
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.3
203 18.4 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2017
Delta R.T. 0.006 min
Lab File: BF135234.D
Acq: 13 Sep 2023 21:26

Tgt Ion:240 Resp: 180568
Ion Ratio Lower Upper
240 100
120 10.5 9.4 14.2
236 24.6 19.8 29.8





#78

Pyrene

Concen: 45.044 ng

RT: 12.745 min Scan# 1812

Delta R.T. 0.006 min

Lab File: BF135234.D

Acq: 13 Sep 2023 21:26

Instrument :

BNA_F

ClientSampleId :

SB-04-COMPDL

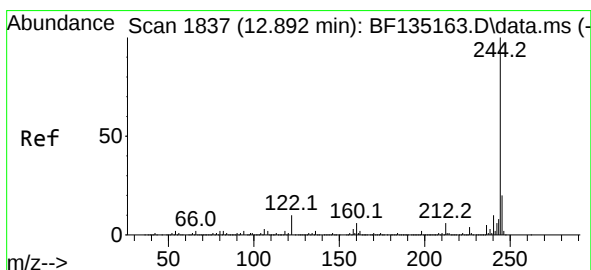
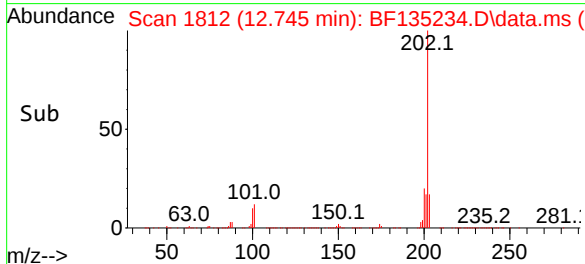
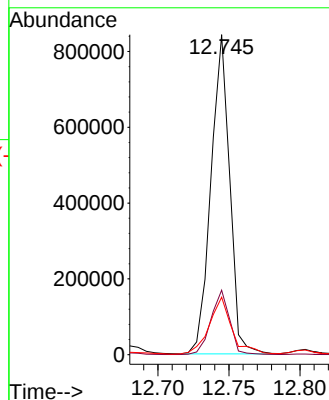
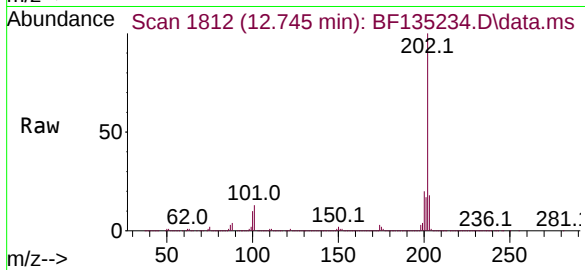
Tgt Ion:202 Resp: 774379

Ion Ratio Lower Upper

202 100

200 20.1 16.2 24.2

203 18.0 14.2 21.4



#79

Terphenyl-d14

Concen: 0.758 ng

RT: 12.886 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF135234.D

Acq: 13 Sep 2023 21:26

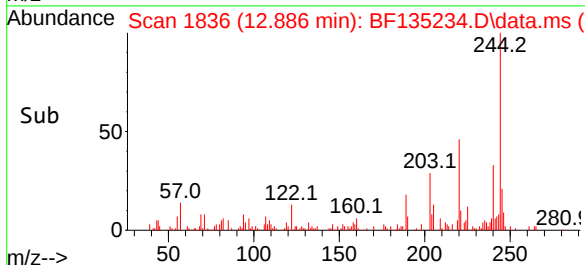
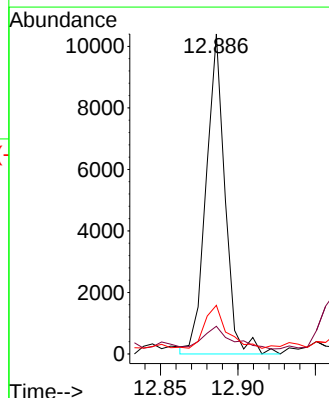
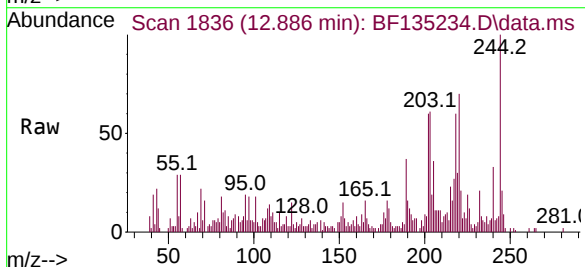
Tgt Ion:244 Resp: 8830

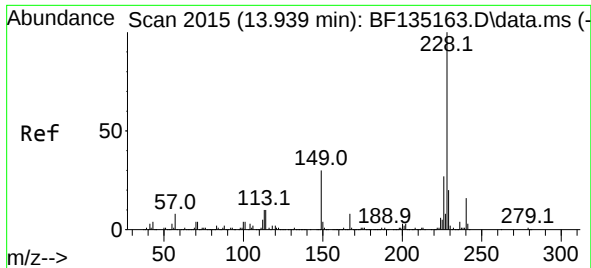
Ion Ratio Lower Upper

244 100

212 8.6 5.1 7.7#

122 15.2 7.9 11.9#

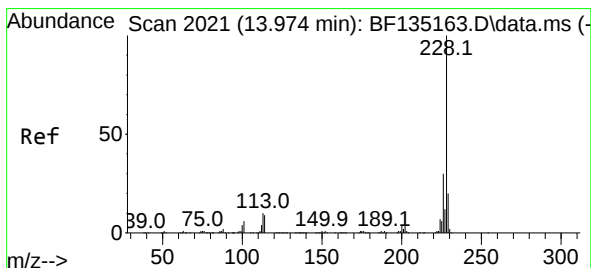
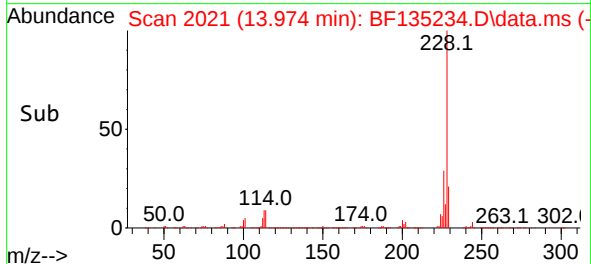
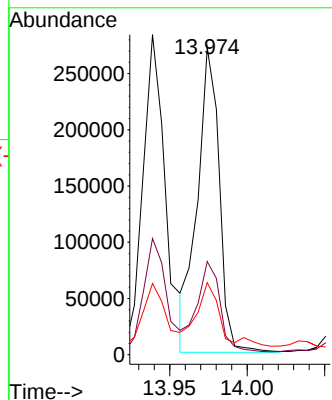
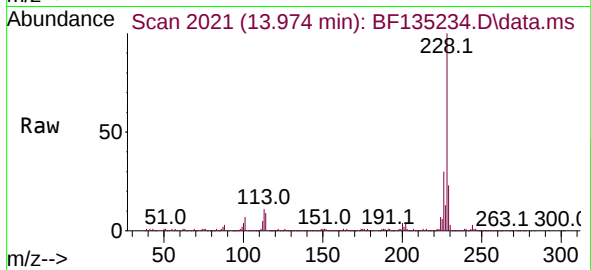




#81
Benzo(a)anthracene
Concen: 22.870 ng
RT: 13.974 min Scan# 2015
Delta R.T. 0.035 min
Lab File: BF135234.D
Acq: 13 Sep 2023 21:26

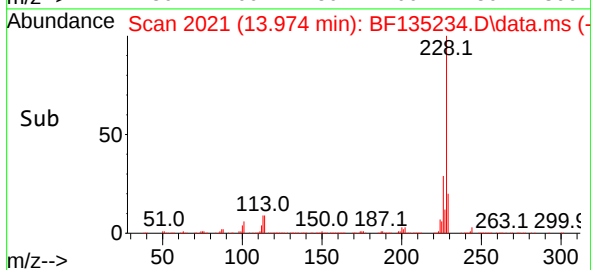
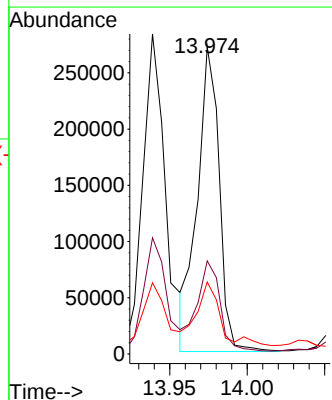
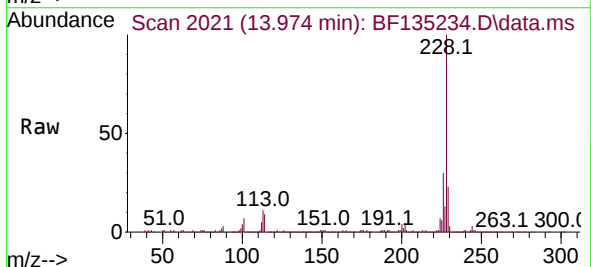
Instrument :
BNA_F
ClientSampleId :
SB-04-COMPDL

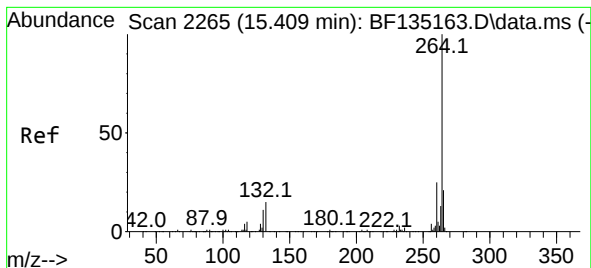
Tgt Ion:228 Resp: 266654
Ion Ratio Lower Upper
228 100
226 30.3 21.7 32.5
229 23.4 15.8 23.8



#83
Chrysene
Concen: 23.002 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF135234.D
Acq: 13 Sep 2023 21:26

Tgt Ion:228 Resp: 266654
Ion Ratio Lower Upper
228 100
226 30.3 24.3 36.5
229 23.4 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135234.D

Acq: 13 Sep 2023 21:26

Instrument :

BNA_F

ClientSampleId :

SB-04-COMPDL

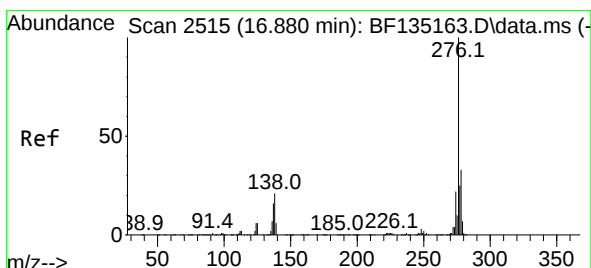
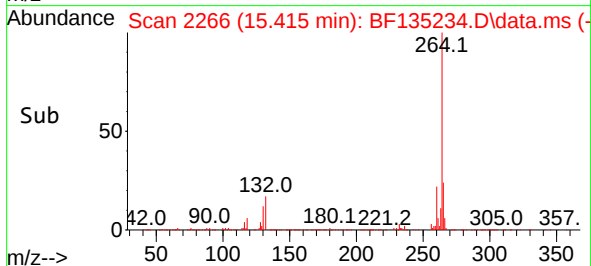
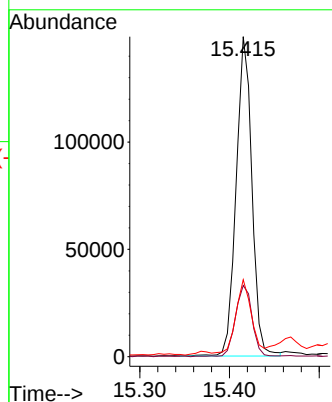
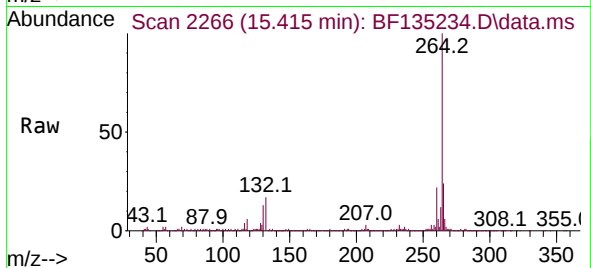
Tgt Ion:264 Resp: 181346

Ion Ratio Lower Upper

264 100

260 22.3 19.8 29.6

265 24.0 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.830 ng

RT: 16.892 min Scan# 2517

Delta R.T. 0.012 min

Lab File: BF135234.D

Acq: 13 Sep 2023 21:26

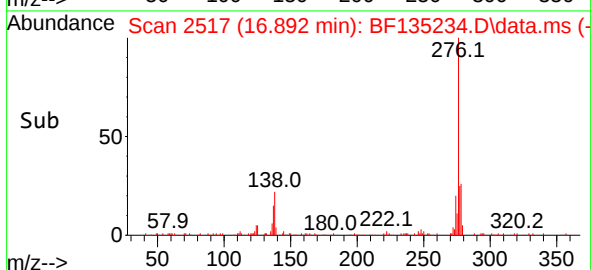
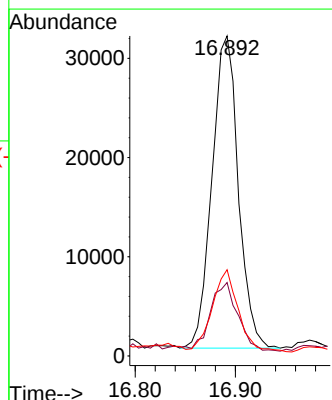
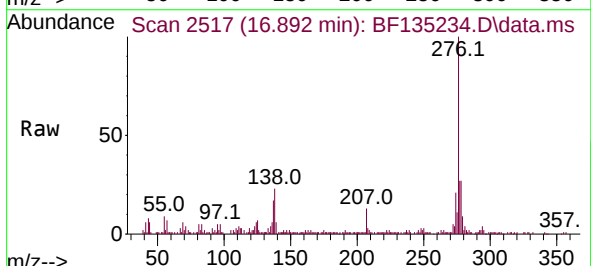
Tgt Ion:276 Resp: 57429

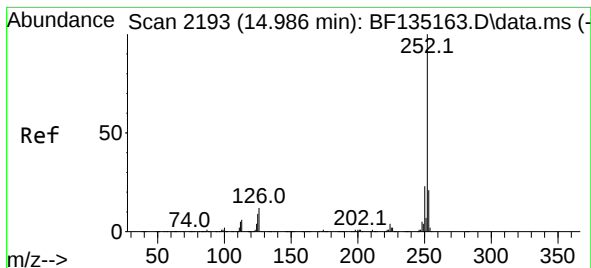
Ion Ratio Lower Upper

276 100

138 24.0 19.2 28.8

277 26.3 19.7 29.5





#88

Benzo(b)fluoranthene

Concen: 22.349 ng

RT: 14.992 min Scan# 2194

Delta R.T. 0.006 min

Lab File: BF135234.D

Acq: 13 Sep 2023 21:26

Instrument :

BNA_F

ClientSampleId :

SB-04-COMPDL

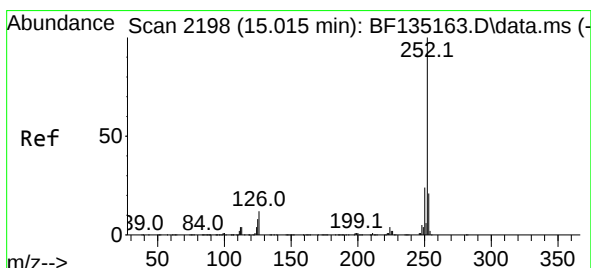
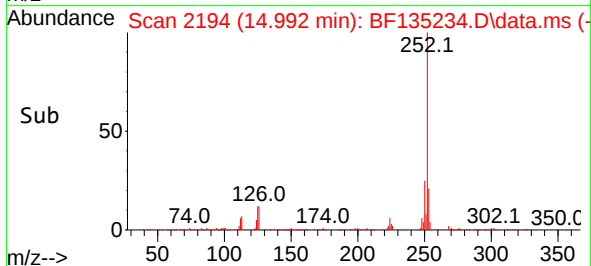
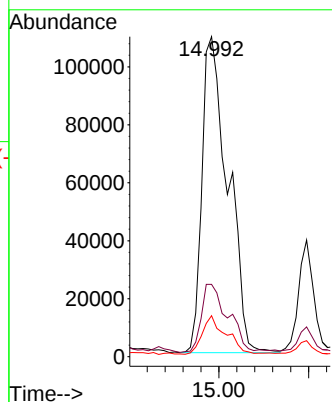
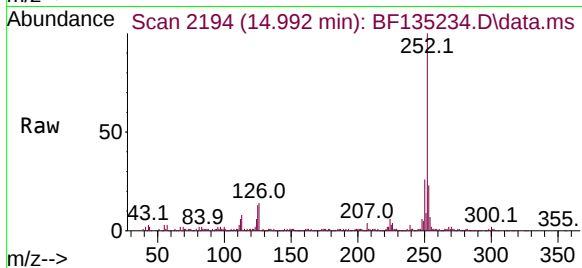
Tgt Ion:252 Resp: 219401

Ion Ratio Lower Upper

252 100

253 22.6 17.2 25.8

125 12.8 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 22.625 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.023 min

Lab File: BF135234.D

Acq: 13 Sep 2023 21:26

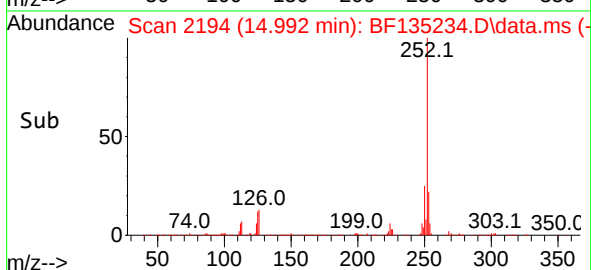
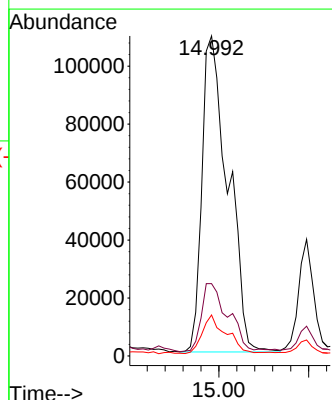
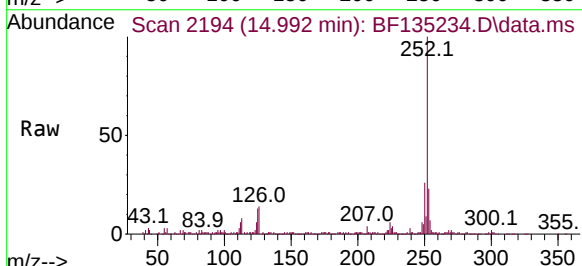
Tgt Ion:252 Resp: 219401

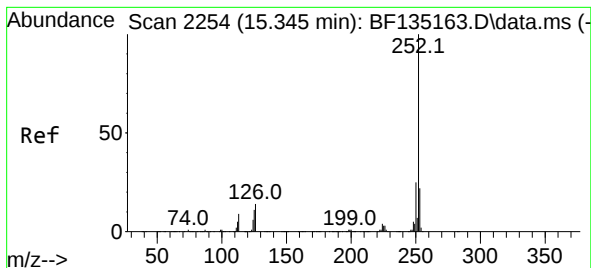
Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

125 12.8 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 19.781 ng

RT: 15.356 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF135234.D

Acq: 13 Sep 2023 21:26

Instrument :

BNA_F

ClientSampleId :

SB-04-COMPDL

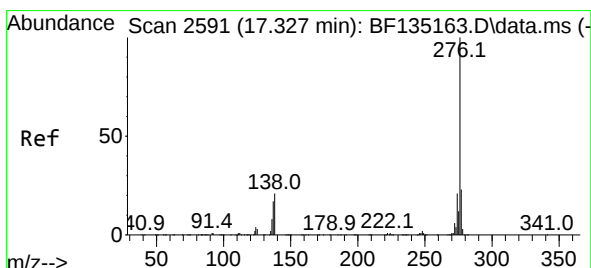
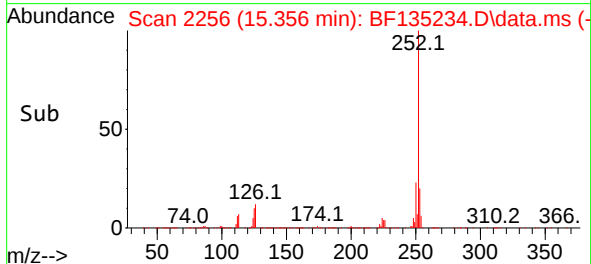
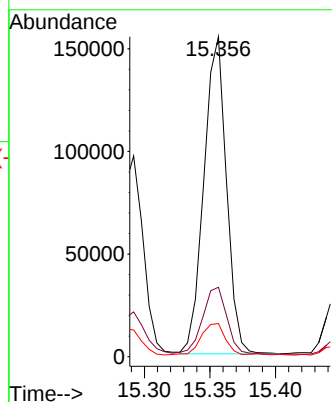
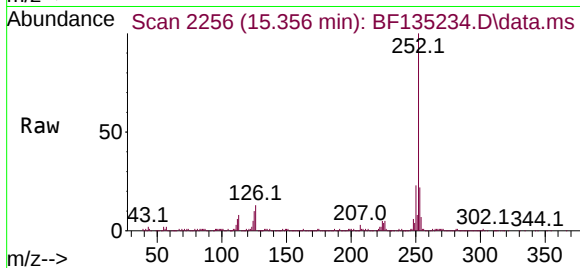
Tgt Ion:252 Resp: 185188

Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 10.3 9.2 13.8



#92

Benzo(g,h,i)perylene

Concen: 7.172 ng

RT: 17.333 min Scan# 2592

Delta R.T. 0.006 min

Lab File: BF135234.D

Acq: 13 Sep 2023 21:26

Tgt Ion:276 Resp: 72872

Ion Ratio Lower Upper

276 100

277 26.1 18.8 28.2

138 21.5 16.9 25.3

