

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
 Data File : BF136035.D
 Acq On : 30 Oct 2023 19:01
 Operator : CG\JU
 Sample : 05027-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 214

Quant Time: Oct 31 01:41:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

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

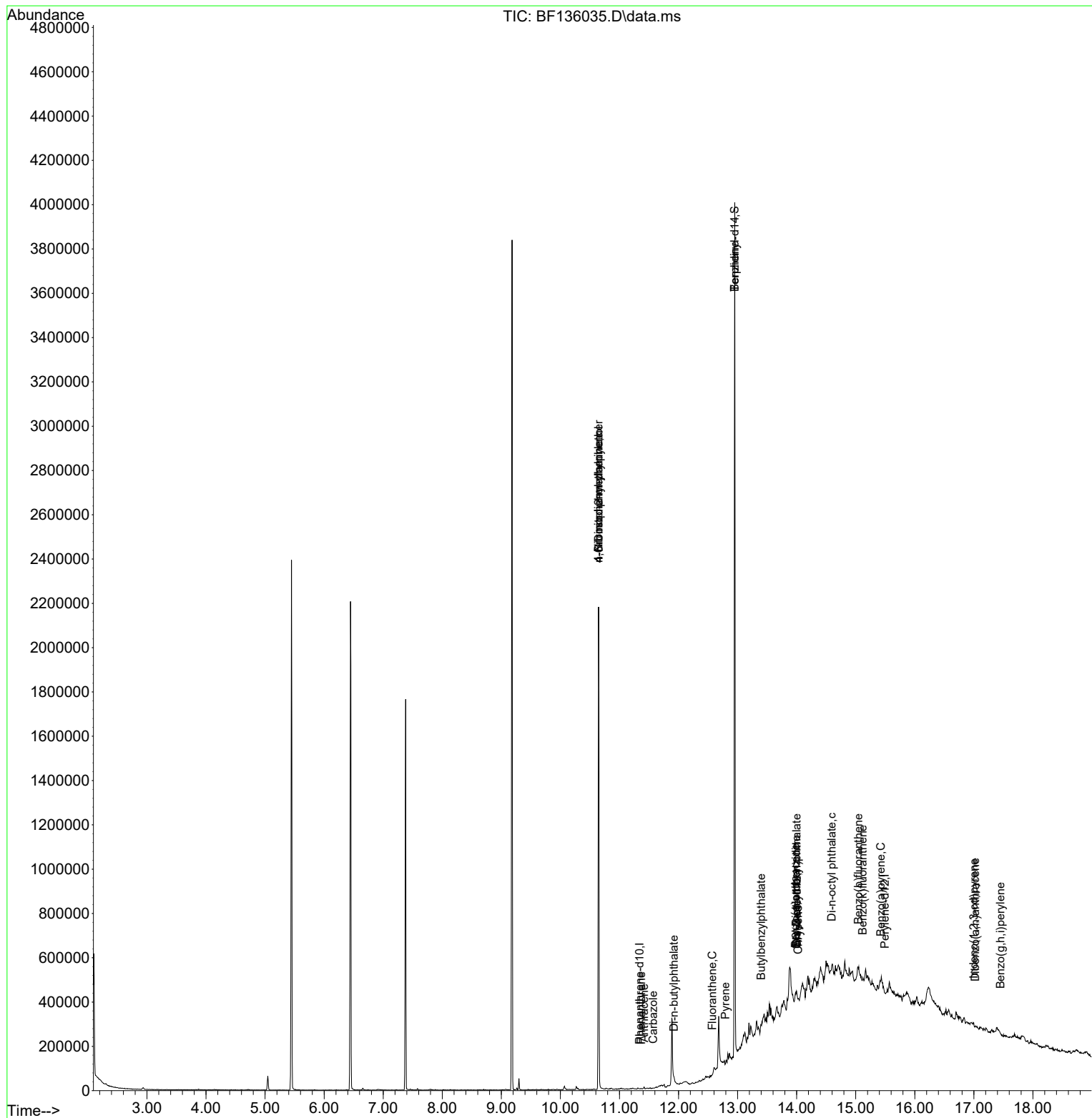
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ng	-6.83
21) Naphthalene-d8	0.000	136	0	0.000	ng	-8.10
39) Acenaphthene-d10	0.000	164	0	0.000	ng	-9.86
64) Phenanthrene-d10	11.339	188	56	20.000	ng	#-0.02
76) Chrysene-d12	14.004	240	423	20.000	ng	#-0.01
86) Perylene-d12	15.492	264	396	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	653365	0.000	ng	0.00
7) Phenol-d6	6.445	99	816249	0.000	ng	-0.01
23) Nitrobenzene-d5	7.381	82	484397	0.000	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	268892	0.000	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1070575	0.000	ng	0.00
79) Terphenyl-d14	12.951	244	1370483	50349.260	ng	0.00
Target Compounds						Qvalue
65) 4,6-Dinitro-2-methylph...	10.645	198	519	1489.017	ng	# 1
66) n-Nitrosodiphenylamine	10.645	169	7464	4418.370	ng	# 42
67) 4-Bromophenyl-phenylether	10.645	248	17019	28987.266	ng	# 1
71) Phenanthrene	11.369	178	471	167.044	ng	# 60
72) Anthracene	11.416	178	158	54.686	ng	# 60
73) Carbazole	11.569	167	133	52.973	ng	# 60
74) Di-n-butylphthalate	11.922	149	6866	2393.243	ng	# 93
75) Fluoranthene	12.569	202	434	149.830	ng	# 45
77) Benzidine	12.951	184	15842	1921.495	ng	# 94
78) Pyrene	12.792	202	485	13.005	ng	# 15
80) Butylbenzylphthalate	13.398	149	603	45.170	ng	# 94
81) Benzo(a)anthracene	13.980	228	341	12.177	ng	# 24
82) 3,3'-Dichlorobenzidine	13.992	252	382	42.739	ng	# 1
83) Chrysene	14.021	228	196	7.107	ng	# 10
84) Bis(2-ethylhexyl)phtha...	13.998	149	5515	354.599	ng	# 85
85) Di-n-octyl phthalate	14.592	149	605	25.967	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.998	276	192	7.419	ng	# 50
88) Benzo(b)fluoranthene	15.045	252	614	26.203	ng	# 1
89) Benzo(k)fluoranthene	15.116	252	272	11.732	ng	# 1
90) Benzo(a)pyrene	15.421	252	189	8.681	ng	# 1
91) Dibenzo(a,h)anthracene	17.021	278	307	14.481	ng	# 1
92) Benzo(g,h,i)perylene	17.451	276	424	19.402	ng	# 1

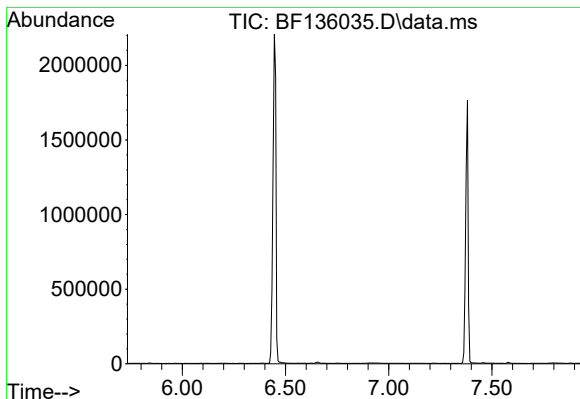
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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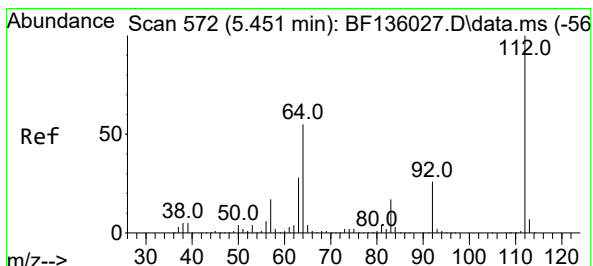
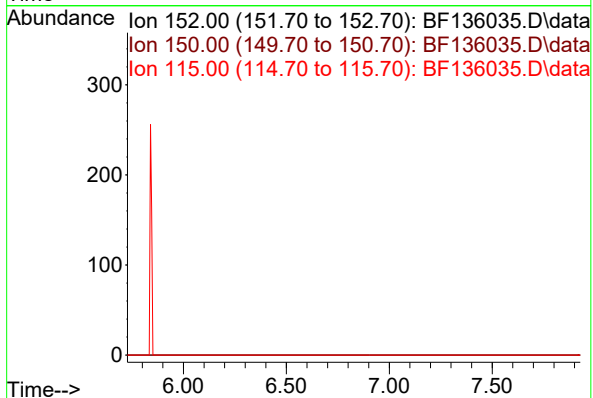


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 6.83 min
 Lab File: BF136035.D
 Acq: 30 Oct 2023 19:01

Instrument :
 BNA_F
 ClientSampleId :
 214

Tgt Ion: 152

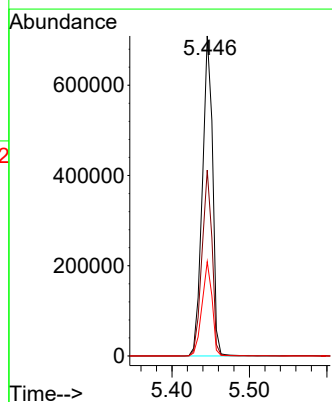
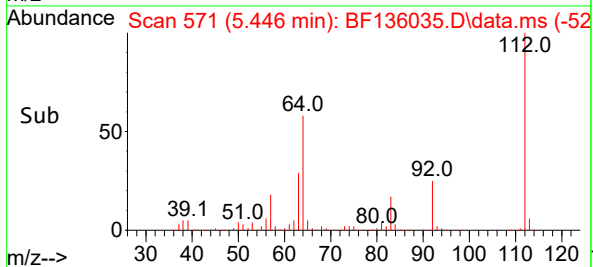
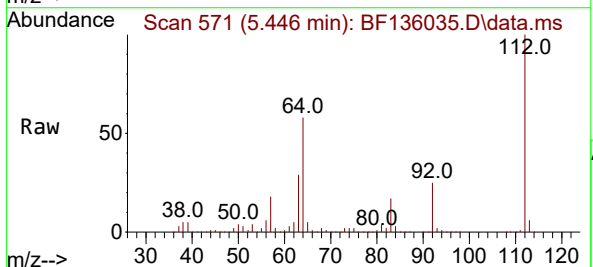
Sig	Exp Ratio
152	100
150	158.0
115	58.7

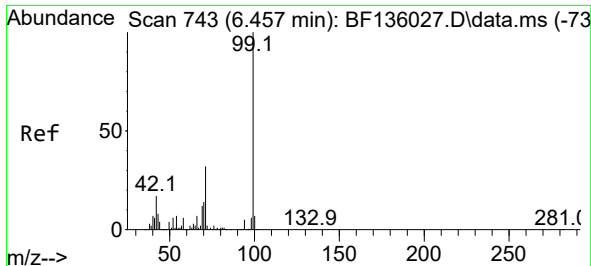


#5
 2-Fluorophenol
 Concen: 0.000 ng
 RT: 5.446 min Scan# 571
 Delta R.T. -0.006 min
 Lab File: BF136035.D
 Acq: 30 Oct 2023 19:01

Tgt Ion: 112 Resp: 653365

Ion	Ratio	Lower	Upper
112	100		
64	58.1	43.9	65.9
63	29.5	22.4	33.6

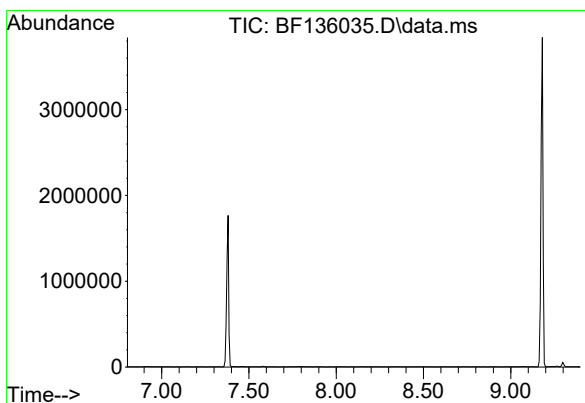
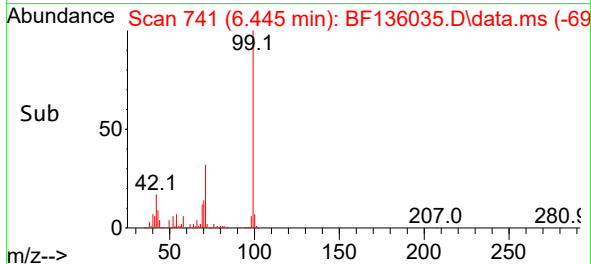
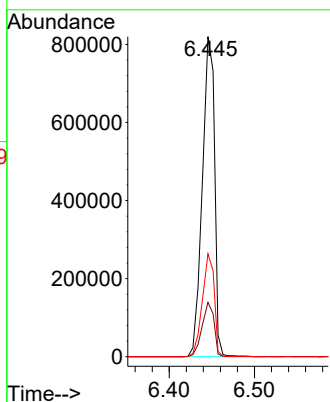
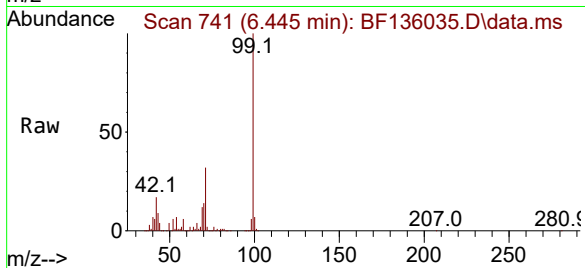




#7
Phenol-d6
Concen: 0.000 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

Instrument :
BNA_F
ClientSampleId :
214

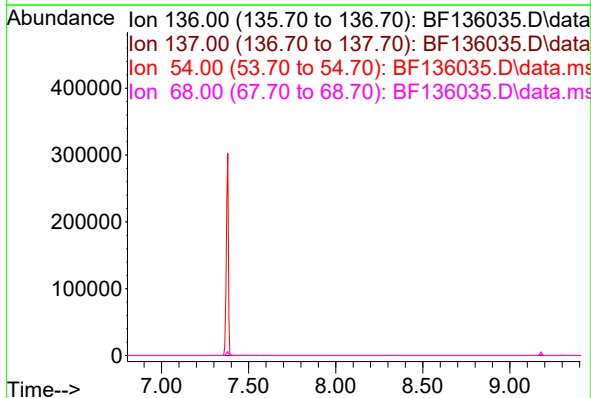
Tgt Ion: 99 Resp: 816249
Ion Ratio Lower Upper
99 100
42 17.0 13.7 20.5
71 32.1 25.9 38.9

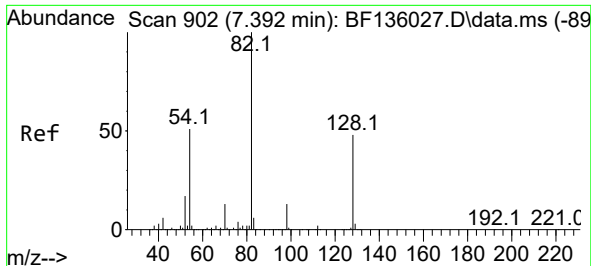


#21
Naphthalene-d8
Concen: 0.000 ng
Expected RT: 8.10 min

Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

Tgt Ion: 136
Sig Exp Ratio
136 100
137 10.8
54 8.2
68 6.0





#23

Nitrobenzene-d5

Concen: 0.000 ng

RT: 7.381 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

Instrument :

BNA_F

ClientSampleId :

214

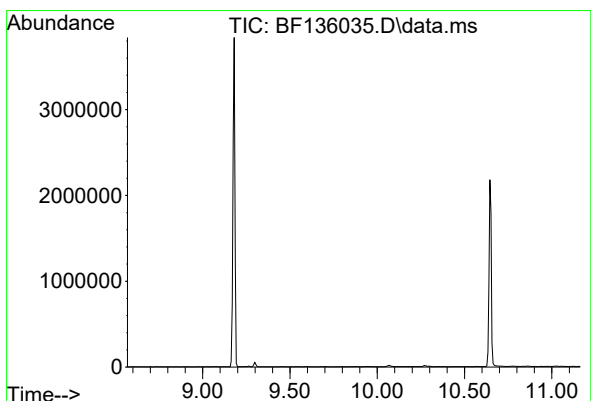
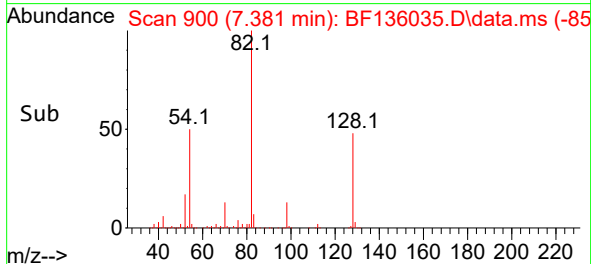
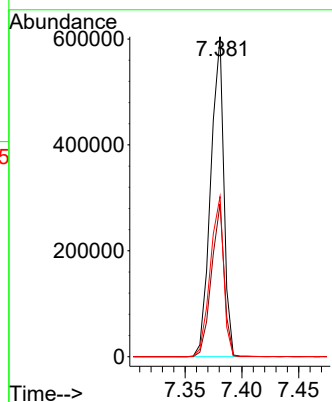
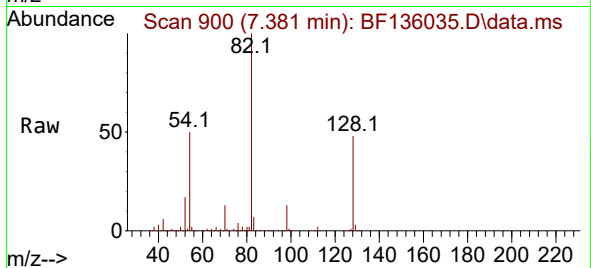
Tgt Ion: 82 Resp: 484397

Ion Ratio Lower Upper

82 100

128 47.8 38.6 57.8

54 50.1 40.8 61.2



#39

Acenaphthene-d10

Concen: 0.000 ng

Expected RT: 9.86 min

Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

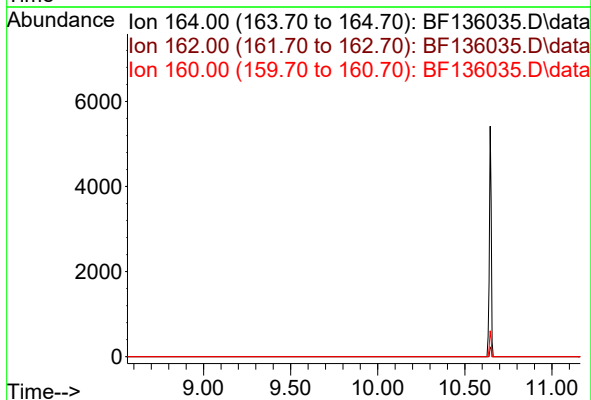
Tgt Ion: 164

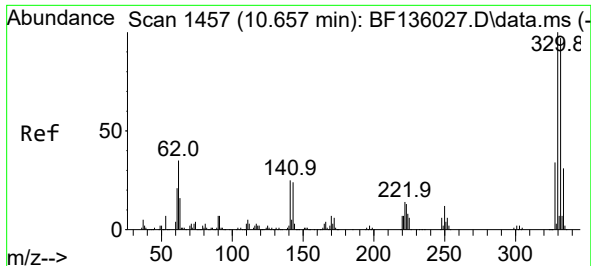
Sig Exp Ratio

164 100

162 100.1

160 43.5





#42

2,4,6-Tribromophenol

Concen: 0.000 ng

RT: 10.651 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

Instrument :

BNA_F

ClientSampleId :

214

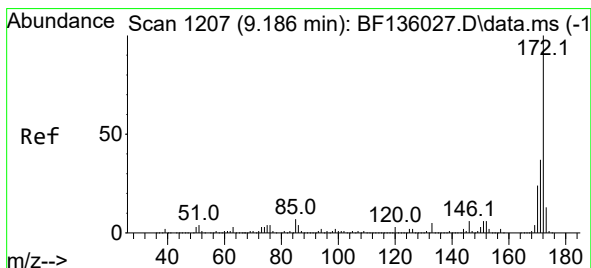
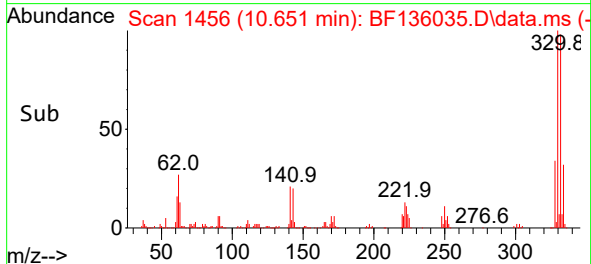
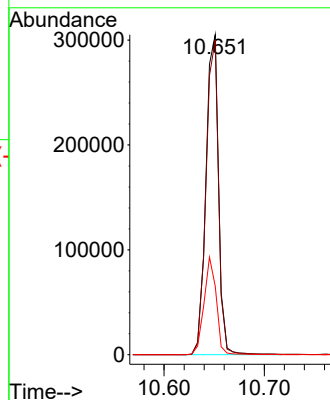
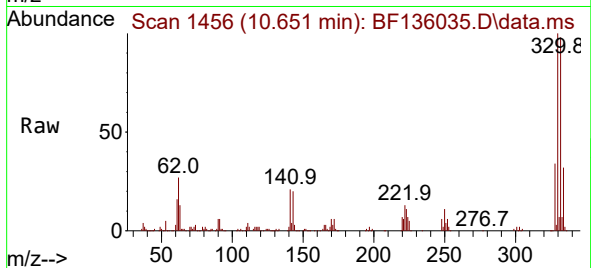
Tgt Ion:330 Resp: 268892

Ion Ratio Lower Upper

330 100

332 97.4 76.9 115.3

141 29.6 23.2 34.8



#45

2-Fluorobiphenyl

Concen: 0.000 ng

RT: 9.181 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

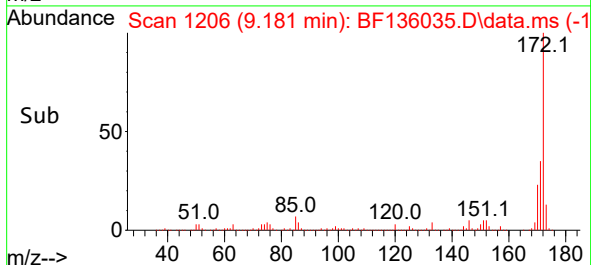
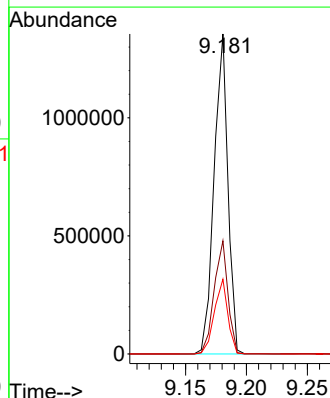
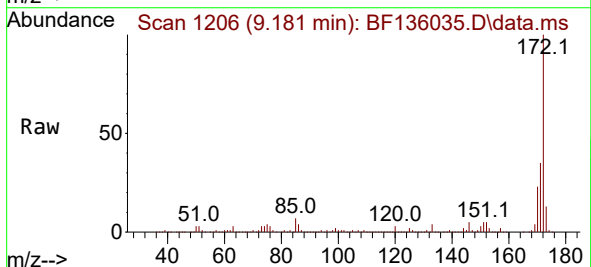
Tgt Ion:172 Resp: 1070575

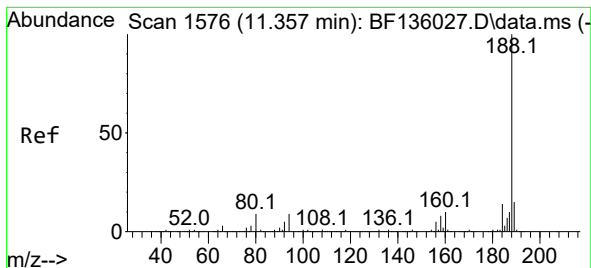
Ion Ratio Lower Upper

172 100

171 35.3 29.4 44.0

170 23.3 19.3 28.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.339 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

Instrument :

BNA_F

ClientSampleId :

214

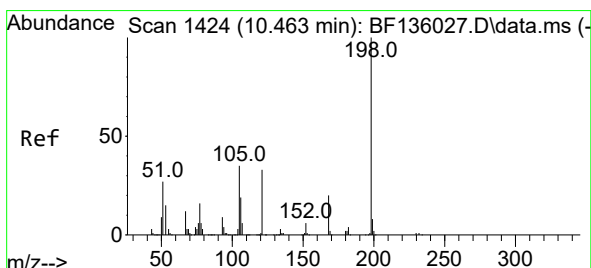
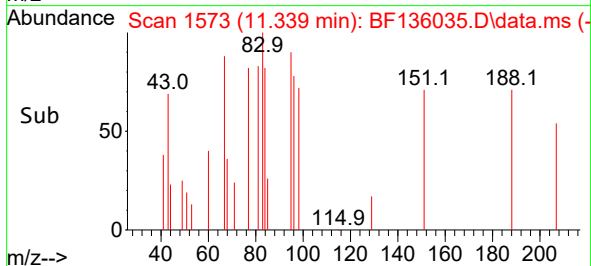
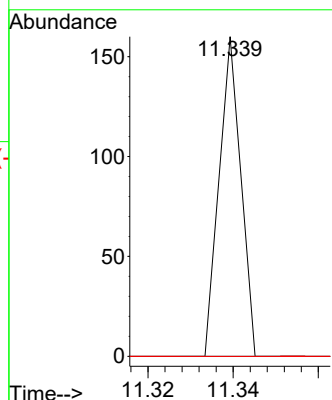
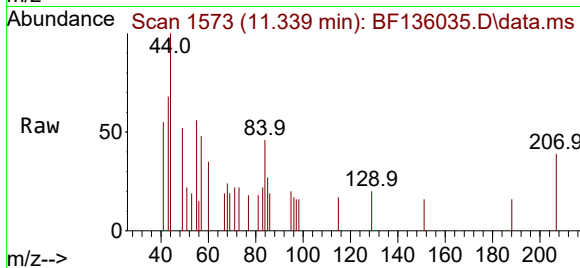
Tgt Ion:188 Resp: 56

Ion Ratio Lower Upper

188 100

94 0.0 7.2 10.8#

80 0.0 7.4 11.0#



#65

4,6-Dinitro-2-methylphenol

Concen: 1489.017 ng

RT: 10.645 min Scan# 1455

Delta R.T. 0.182 min

Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

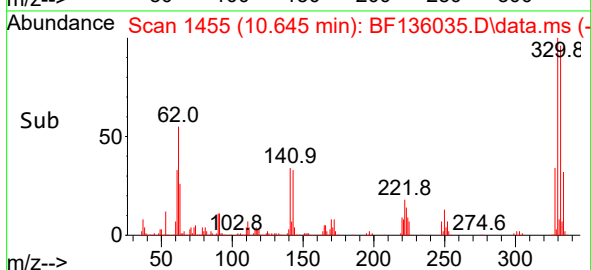
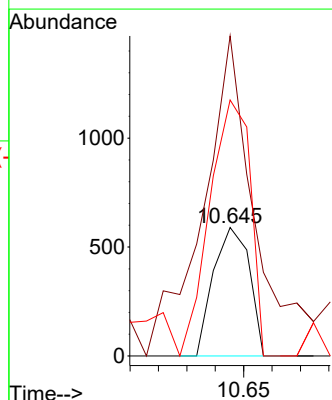
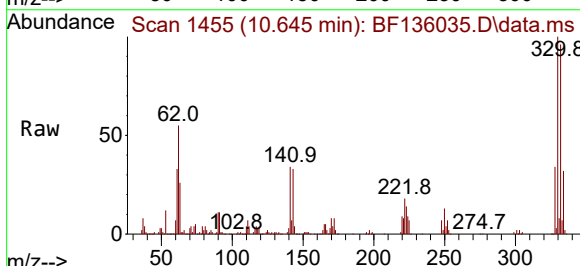
Tgt Ion:198 Resp: 519

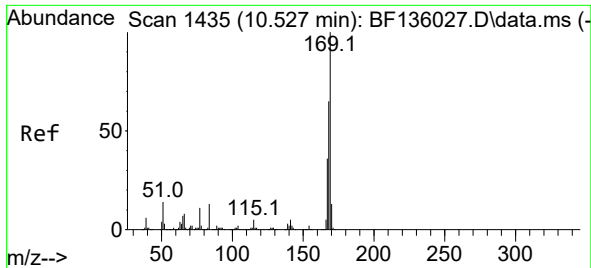
Ion Ratio Lower Upper

198 100

51 249.0 12.9 52.9#

105 199.2 16.0 56.0#

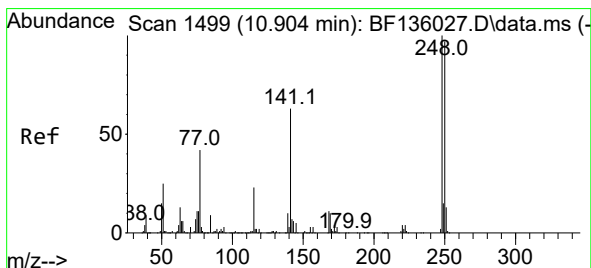
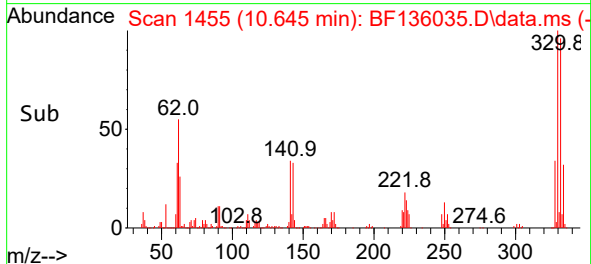
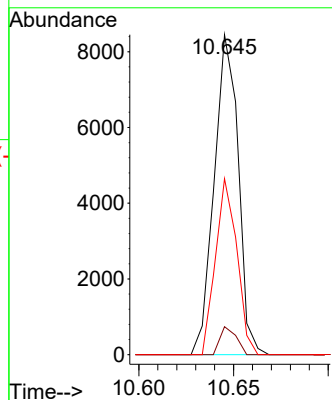
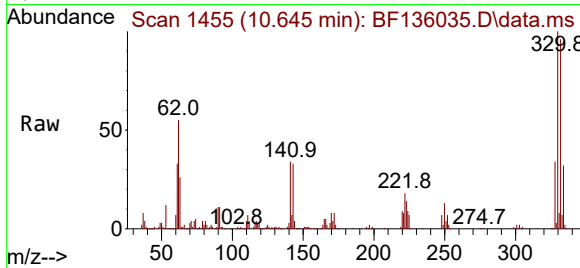




#66
n-Nitrosodiphenylamine
Concen: 4418.370 ng
RT: 10.645 min Scan# 1435
Delta R.T. 0.118 min
Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

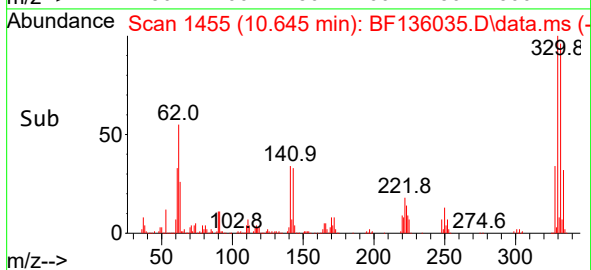
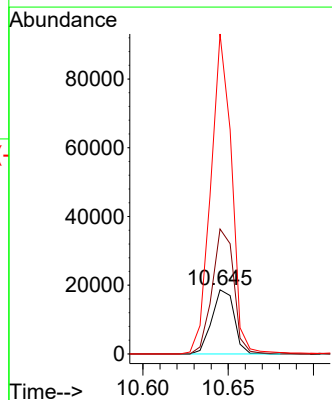
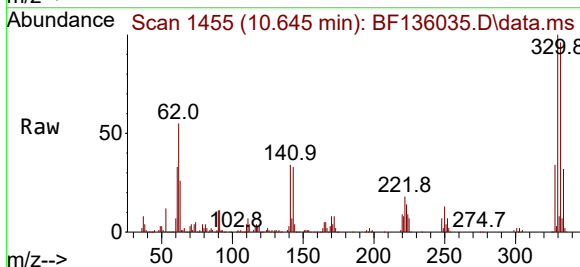
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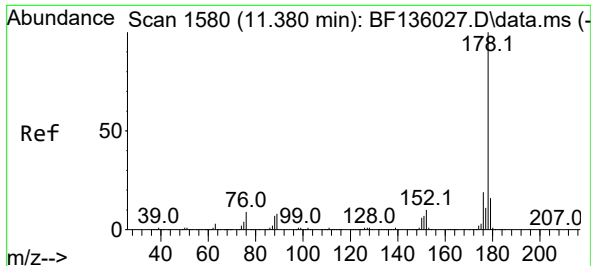
Tgt Ion:169 Resp: 7464
Ion Ratio Lower Upper
169 100
168 8.8 52.2 78.2#
167 55.0 28.7 43.1#



#67
4-Bromophenyl-phenylether
Concen: 28987.266 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.259 min
Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

Tgt Ion:248 Resp: 17019
Ion Ratio Lower Upper
248 100
250 194.6 77.6 116.4#
141 498.4 50.4 75.6#

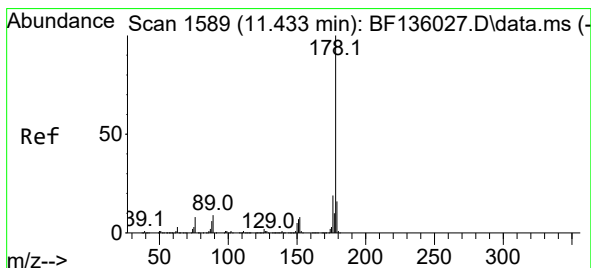
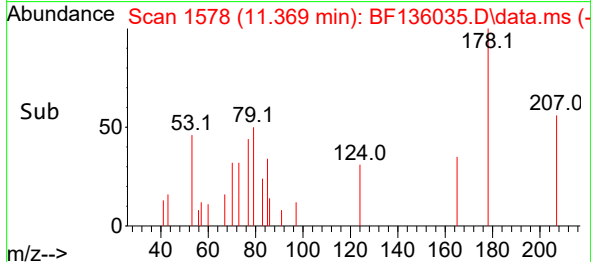
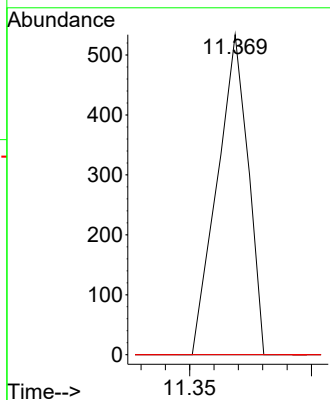
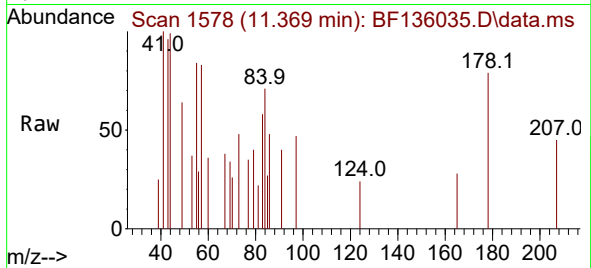




#71
Phenanthrene
Concen: 167.044 ng
RT: 11.369 min Scan# 1136
Delta R.T. -0.012 min
Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

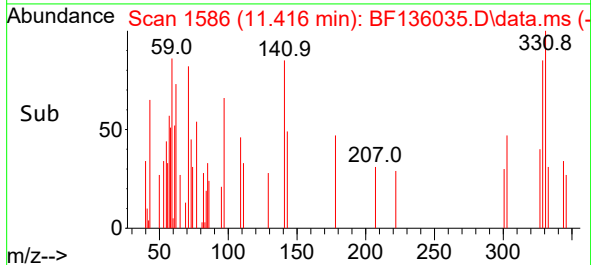
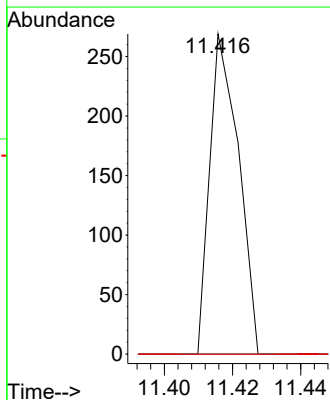
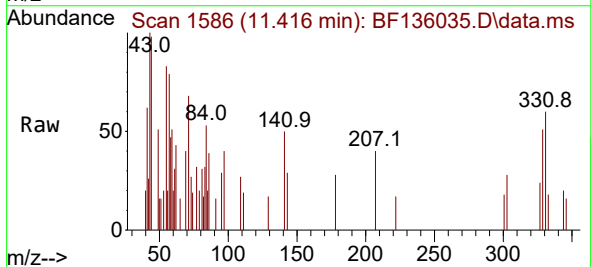
Instrument :
BNA_F
ClientSampleId :
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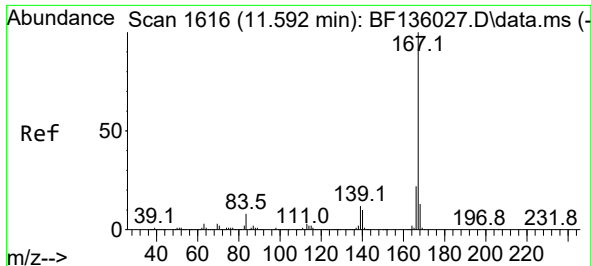
Tgt Ion:178 Resp: 471
Ion Ratio Lower Upper
178 100
176 0.0 15.5 23.3#
179 0.0 12.9 19.3#



#72
Anthracene
Concen: 54.686 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.017 min
Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

Tgt Ion:178 Resp: 158
Ion Ratio Lower Upper
178 100
176 0.0 15.0 22.4#
179 0.0 12.6 18.8#

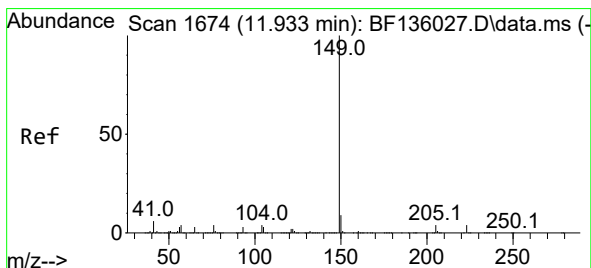
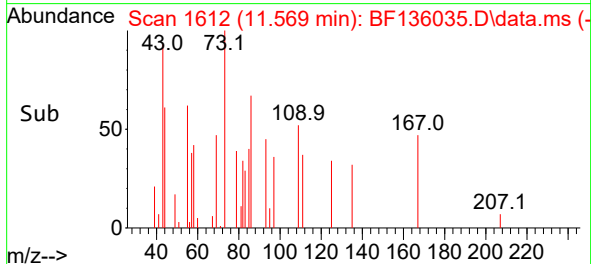
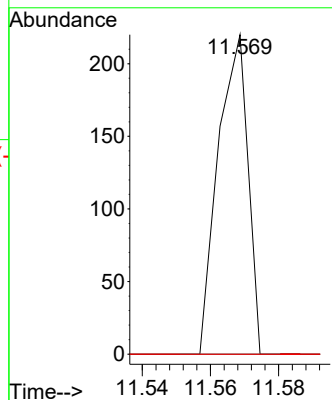
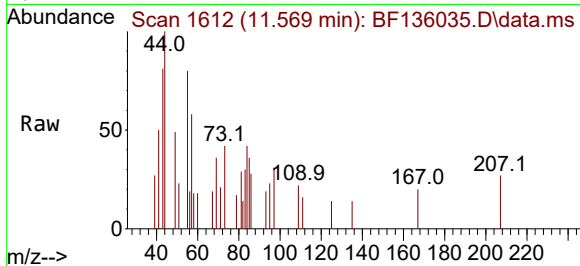




#73
 Carbazole
 Concen: 52.973 ng
 RT: 11.569 min Scan# 1612
 Delta R.T. -0.023 min
 Lab File: BF136035.D
 Acq: 30 Oct 2023 19:01

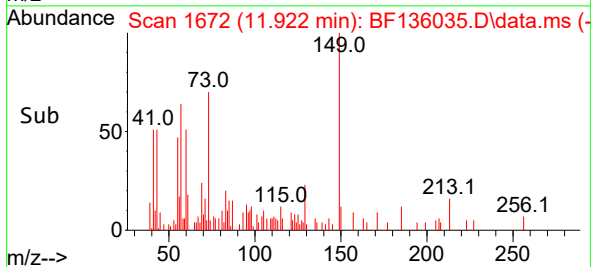
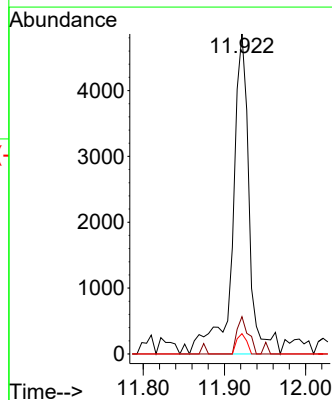
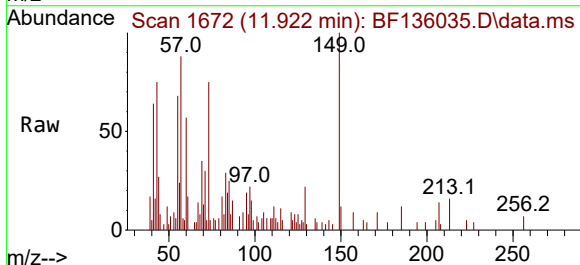
Instrument :
 BNA_F
 ClientSampleId :
 214

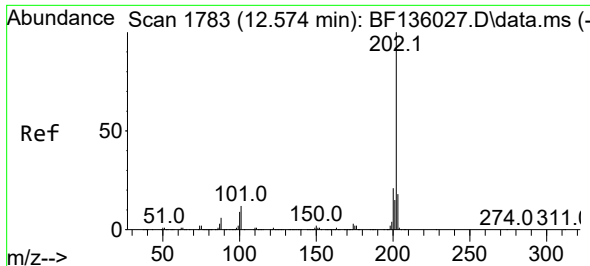
Tgt Ion:167 Resp: 133
 Ion Ratio Lower Upper
 167 100
 166 0.0 17.2 25.8#
 139 0.0 9.9 14.9#



#74
 Di-n-butylphthalate
 Concen: 2393.243 ng
 RT: 11.922 min Scan# 1672
 Delta R.T. -0.012 min
 Lab File: BF136035.D
 Acq: 30 Oct 2023 19:01

Tgt Ion:149 Resp: 6866
 Ion Ratio Lower Upper
 149 100
 150 11.6 7.3 10.9#
 104 6.4 3.6 5.4#

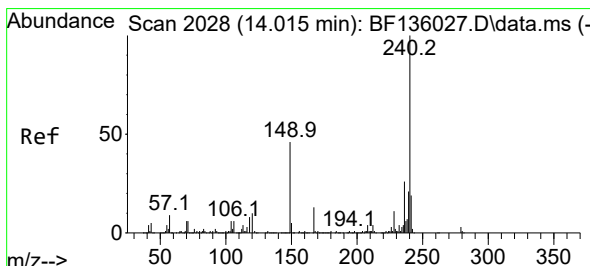
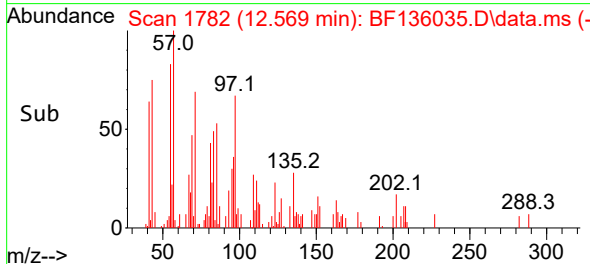
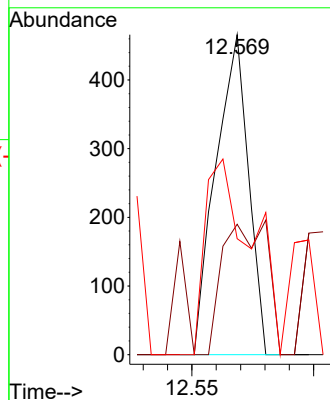
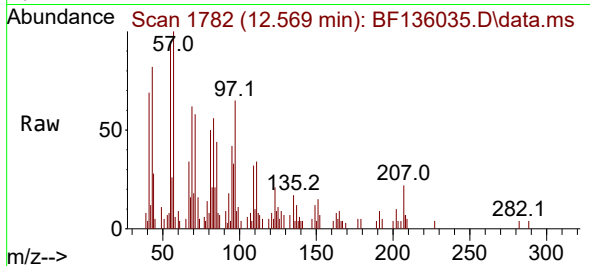




#75
Fluoranthene
Concen: 149.830 ng
RT: 12.569 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

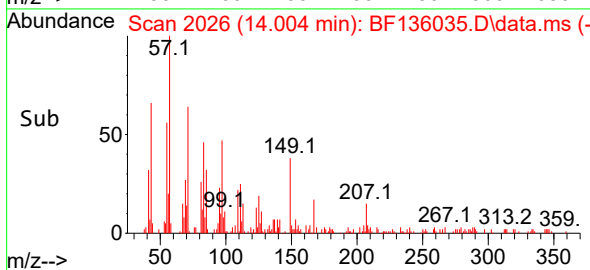
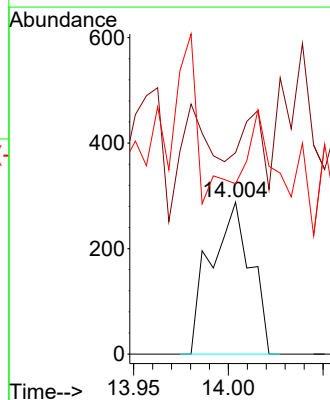
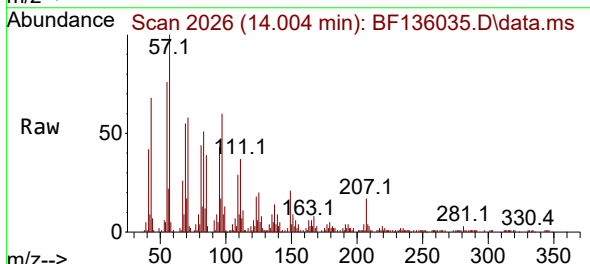
Instrument :
BNA_F
ClientSampleId :
214

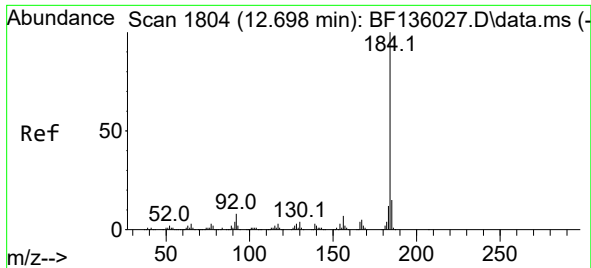
Tgt Ion:	202	Resp:	434
Ion	Ratio	Lower	Upper
202	100		
101	40.8	0.0	31.8#
203	36.3	0.0	37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

Tgt Ion:	240	Resp:	423
Ion	Ratio	Lower	Upper
240	100		
120	132.6	7.6	11.4#
236	112.2	20.6	31.0#

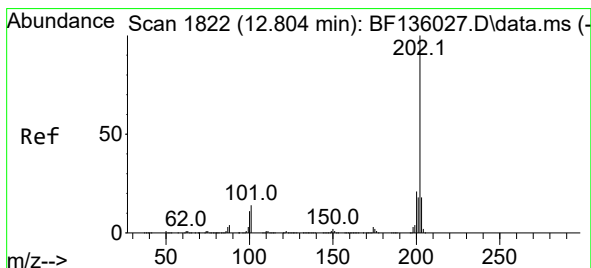
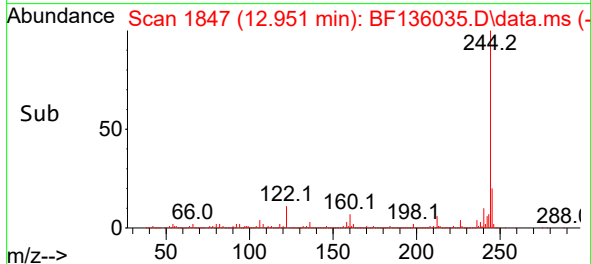
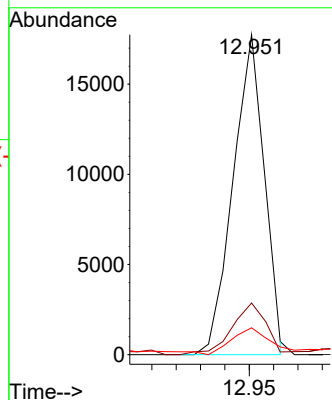
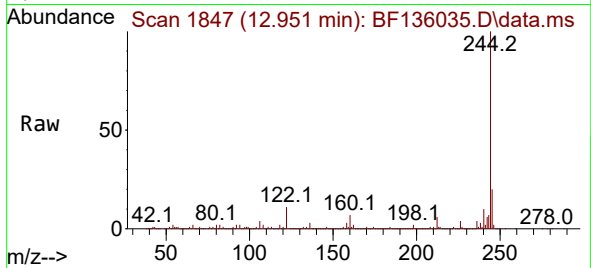




#77
Benzidine
Concen: 1921.495 ng
RT: 12.951 min Scan# 1847
Delta R.T. 0.253 min
Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

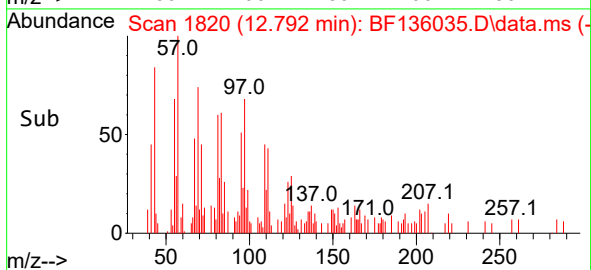
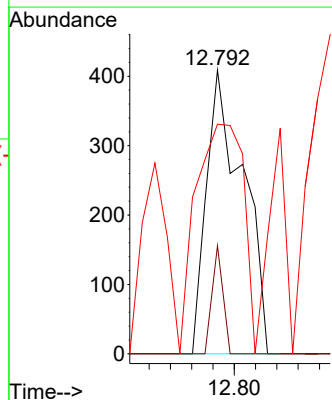
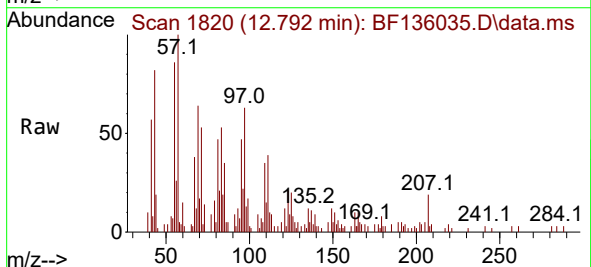
Instrument :
BNA_F
ClientSampleId :
214

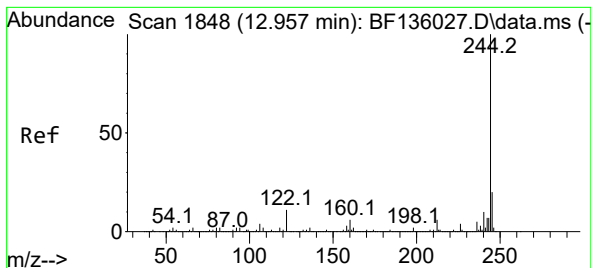
Tgt Ion:184 Resp: 15842
Ion Ratio Lower Upper
184 100
185 16.2 11.8 17.8
183 8.4 9.5 14.3#



#78
Pyrene
Concen: 13.005 ng
RT: 12.792 min Scan# 1820
Delta R.T. -0.012 min
Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

Tgt Ion:202 Resp: 485
Ion Ratio Lower Upper
202 100
200 38.1 17.0 25.4#
203 80.9 14.4 21.6#





#79

Terphenyl-d14

Concen: 50349.260 ng

RT: 12.951 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

Instrument :

BNA_F

ClientSampleId :

214

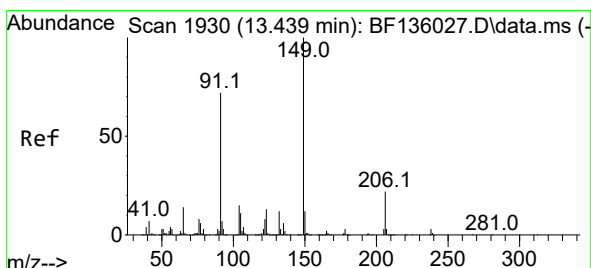
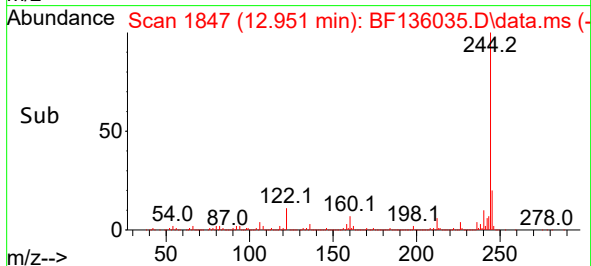
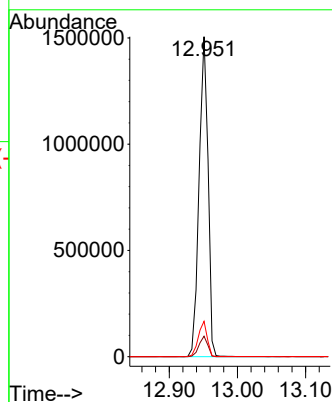
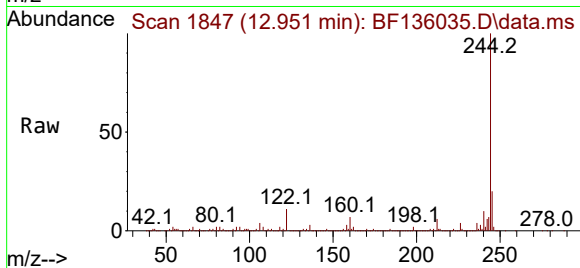
Tgt Ion:244 Resp: 1370483

Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 11.1 8.6 12.8



#80

Butylbenzylphthalate

Concen: 45.170 ng

RT: 13.398 min Scan# 1923

Delta R.T. -0.041 min

Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

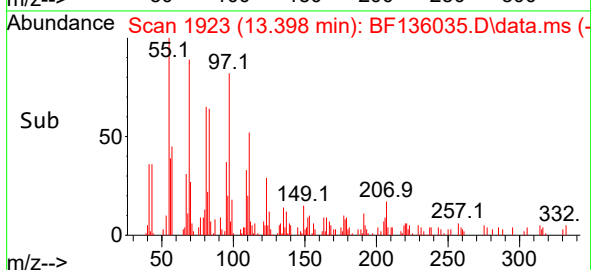
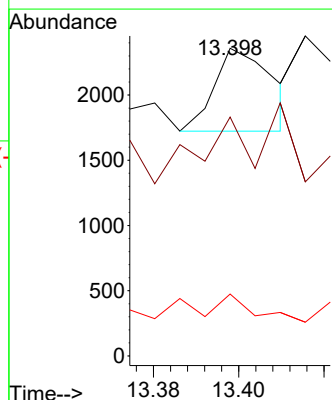
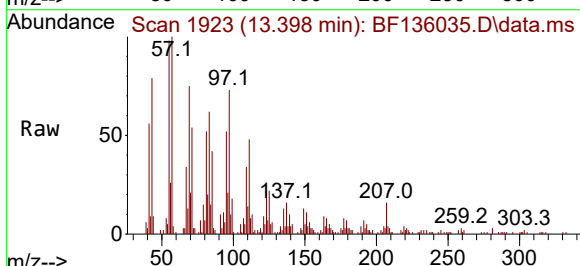
Tgt Ion:149 Resp: 603

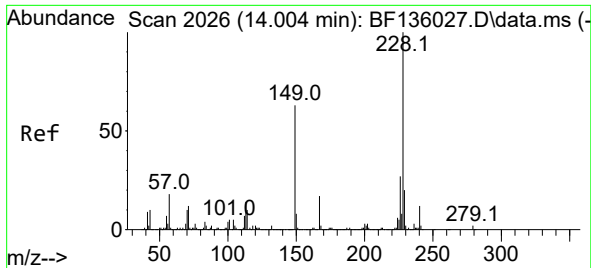
Ion Ratio Lower Upper

149 100

91 77.6 57.6 86.4

206 20.1 17.4 26.0

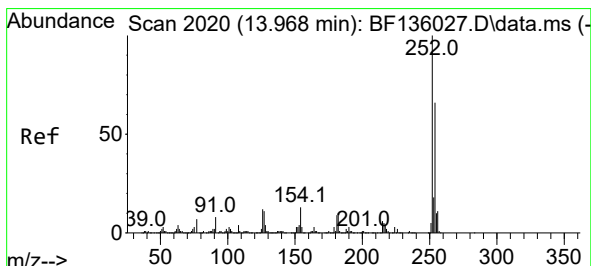
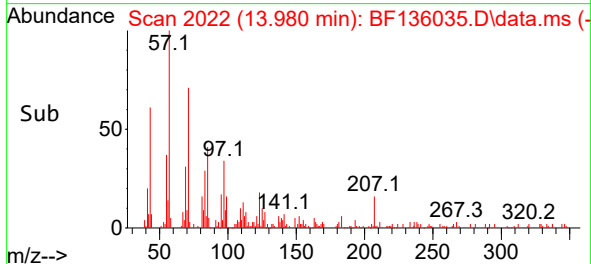
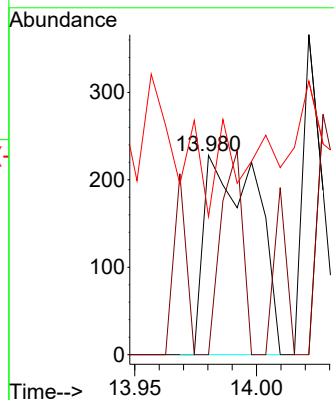
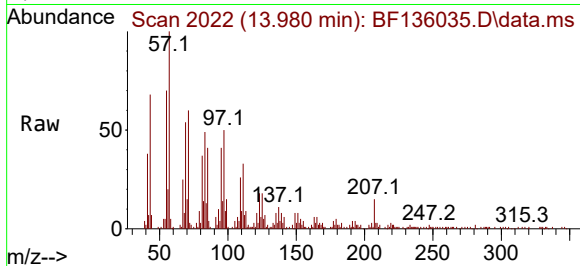




#81
Benzo(a)anthracene
Concen: 12.177 ng
RT: 13.980 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

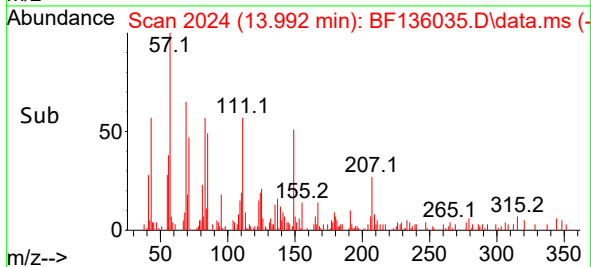
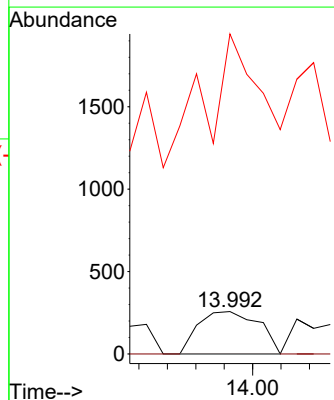
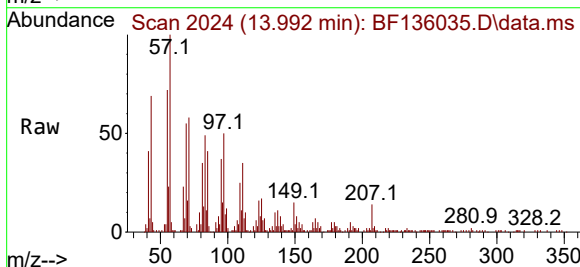
Instrument :
BNA_F
ClientSampleId :
214

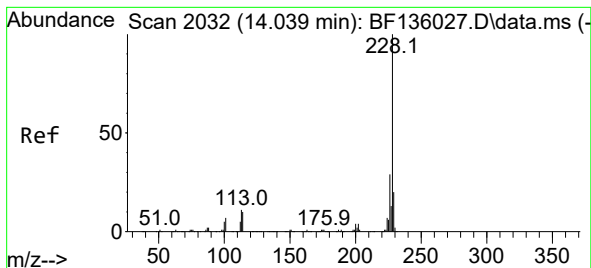
Tgt Ion:228 Resp: 341
Ion Ratio Lower Upper
228 100
226 0.0 21.5 32.3#
229 69.3 15.8 23.6#



#82
3,3'-Dichlorobenzidine
Concen: 42.739 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.024 min
Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

Tgt Ion:252 Resp: 382
Ion Ratio Lower Upper
252 100
254 0.0 52.5 78.7#
126 752.7 9.4 14.2#





#83

Chrysene

Concen: 7.107 ng

RT: 14.021 min Scan# 2032

Delta R.T. -0.017 min

Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

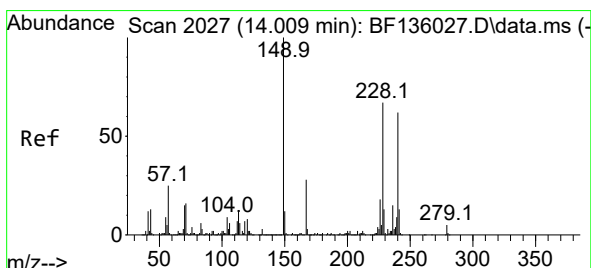
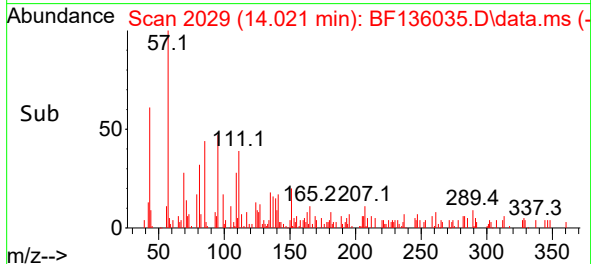
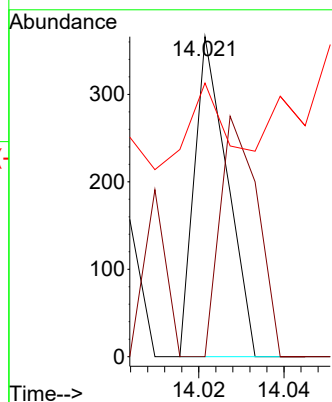
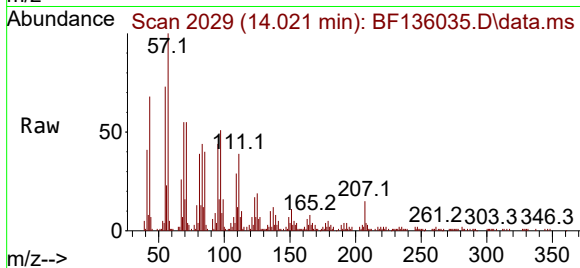
Instrument :

BNA_F

ClientSampleId :

214

Tgt Ion:	228	Resp:	196
Ion Ratio	Lower	Upper	
228	100		
226	0.0	23.5	35.3#
229	85.5	16.0	24.0#



#84

Bis(2-ethylhexyl)phthalate

Concen: 354.599 ng

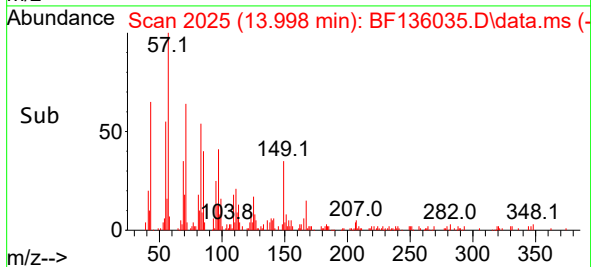
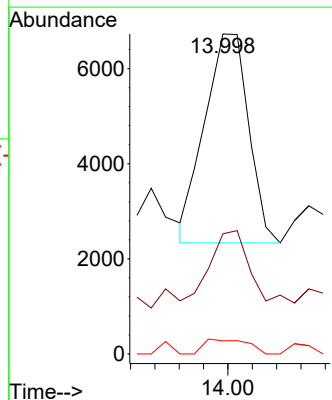
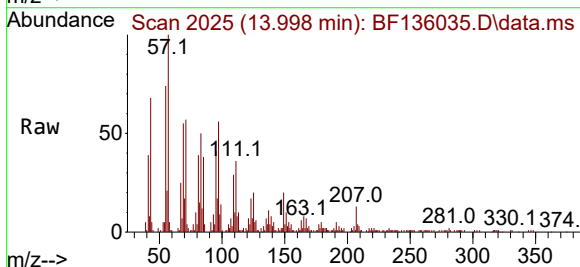
RT: 13.998 min Scan# 2025

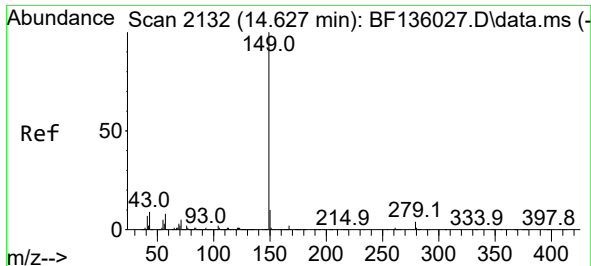
Delta R.T. -0.012 min

Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

Tgt Ion:	149	Resp:	5515
Ion Ratio	Lower	Upper	
149	100		
167	37.6	22.6	33.8#
279	4.1	4.1	6.1

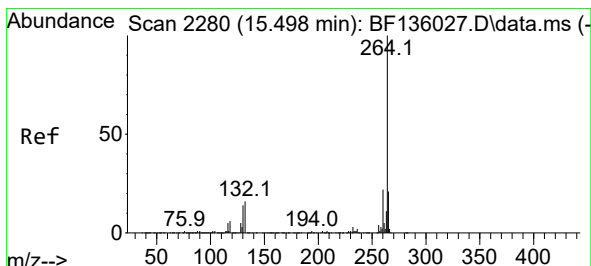
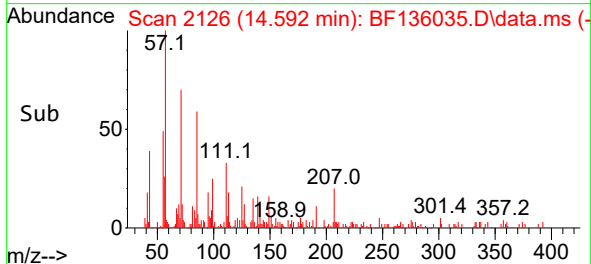
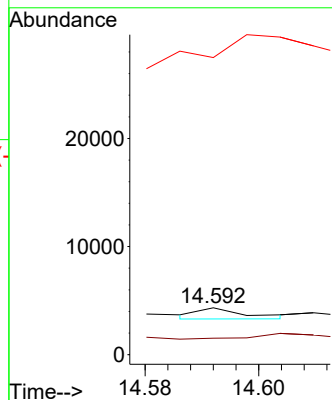
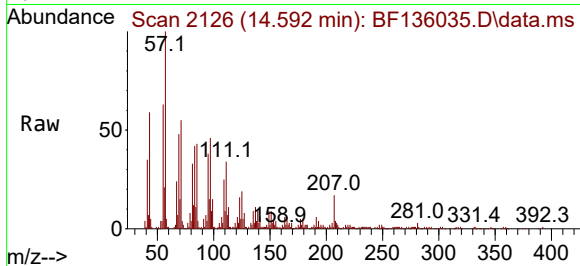




#85
Di-n-octyl phthalate
Concen: 25.967 ng
RT: 14.592 min Scan# 2132
Delta R.T. -0.035 min
Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

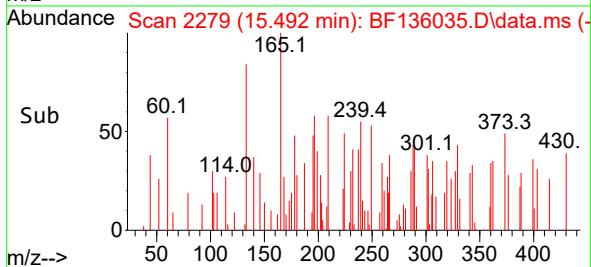
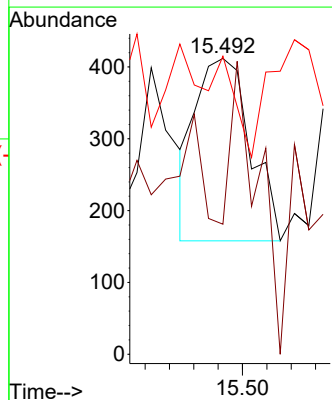
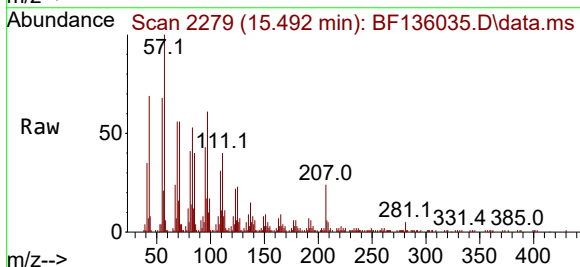
Instrument :
BNA_F
ClientSampleId :
214

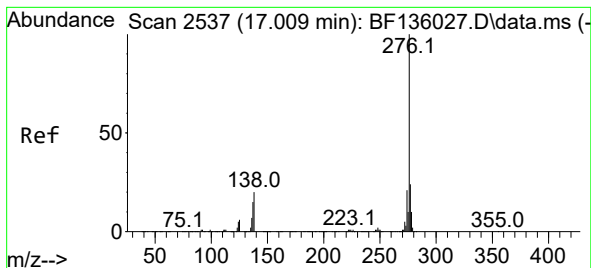
Tgt Ion:149 Resp: 605
Ion Ratio Lower Upper
149 100
167 131.1 1.3 1.9#
43 2025.8 7.6 11.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

Tgt Ion:264 Resp: 396
Ion Ratio Lower Upper
264 100
260 43.9 17.9 26.9#
265 100.7 16.8 25.2#





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.419 ng

RT: 16.998 min Scan# 214

Delta R.T. -0.012 min

Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

Instrument :

BNA_F

ClientSampleId :

214

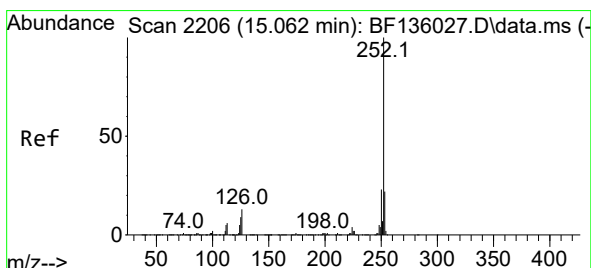
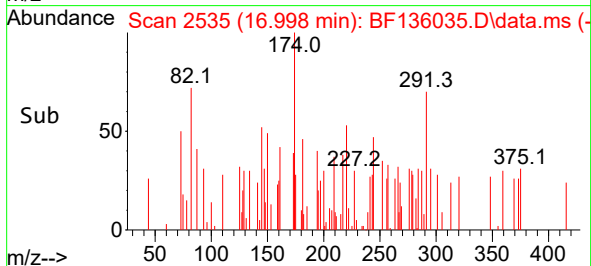
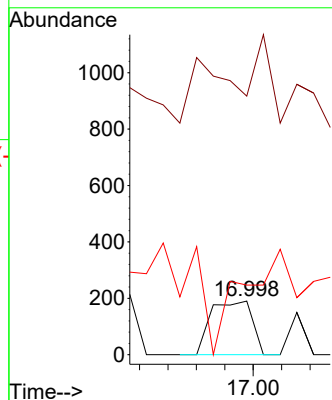
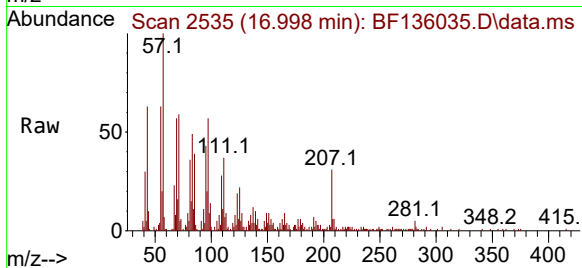
Tgt Ion:276 Resp: 192

Ion Ratio Lower Upper

276 100

138 0.0 20.4 30.6#

277 0.0 20.2 30.2#



#88

Benzo(b)fluoranthene

Concen: 26.203 ng

RT: 15.045 min Scan# 2203

Delta R.T. -0.017 min

Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

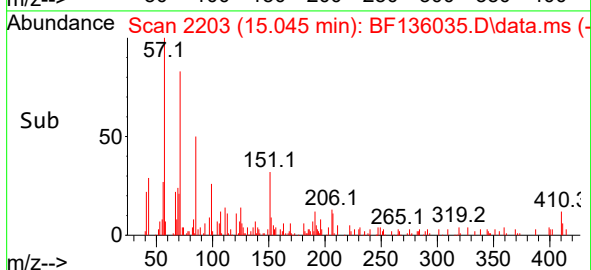
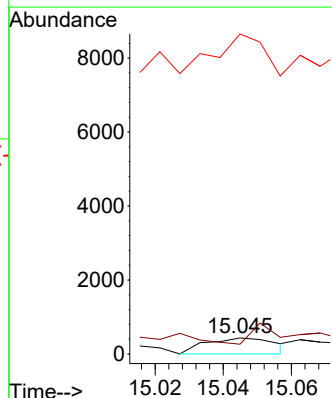
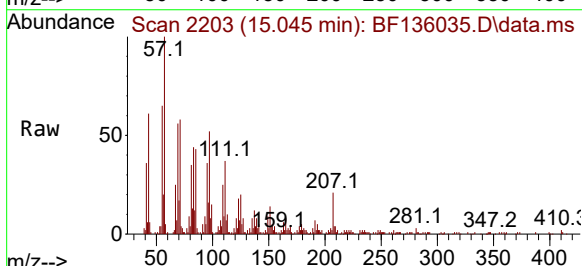
Tgt Ion:252 Resp: 614

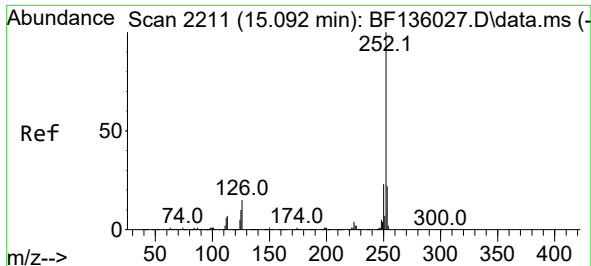
Ion Ratio Lower Upper

252 100

253 60.8 17.7 26.5#

125 2007.7 7.5 11.3#

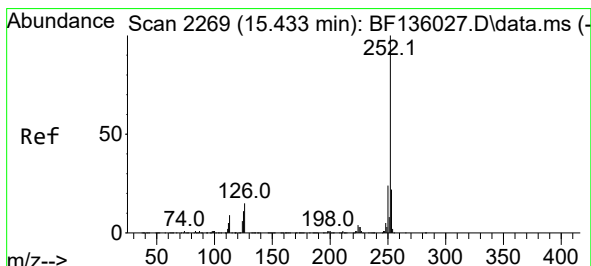
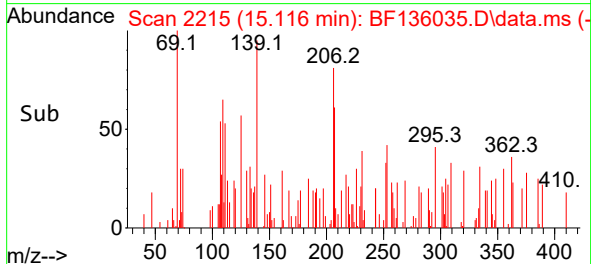
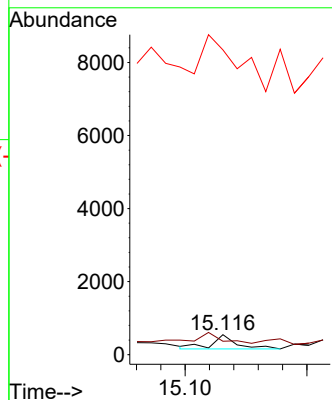
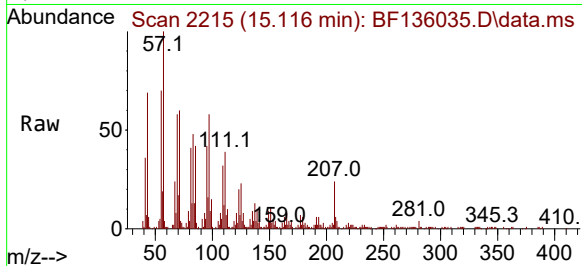




#89
Benzo(k)fluoranthene
Concen: 11.732 ng
RT: 15.116 min Scan# 214
Delta R.T. 0.024 min
Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

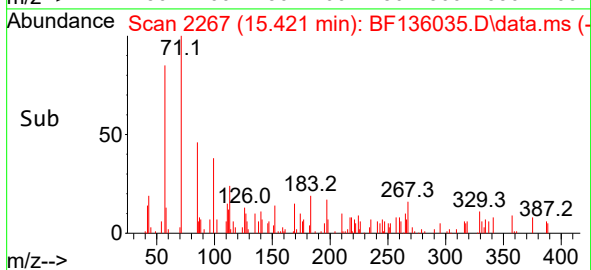
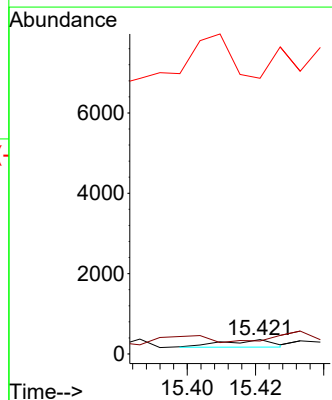
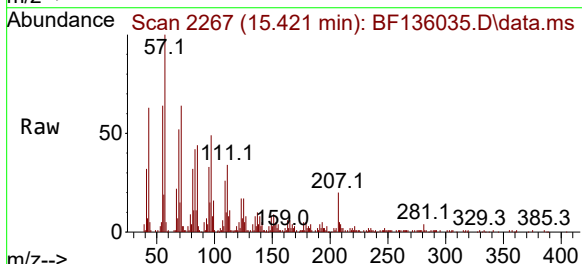
Instrument :
BNA_F
ClientSampleId :
214

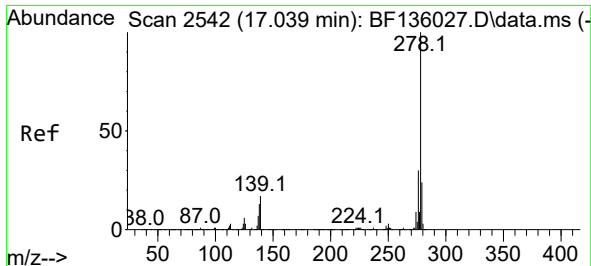
Tgt Ion:252 Resp: 272
Ion Ratio Lower Upper
252 100
253 66.7 17.4 26.0#
125 1519.9 8.0 12.0#



#90
Benzo(a)pyrene
Concen: 8.681 ng
RT: 15.421 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

Tgt Ion:252 Resp: 189
Ion Ratio Lower Upper
252 100
253 89.7 17.3 25.9#
125 1912.0 9.0 13.6#

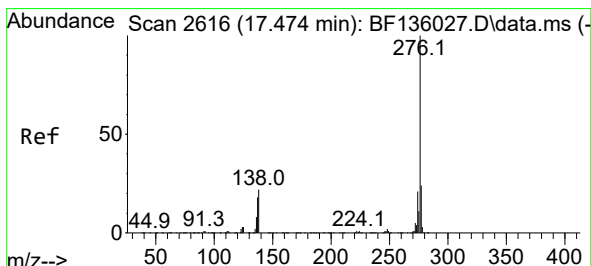
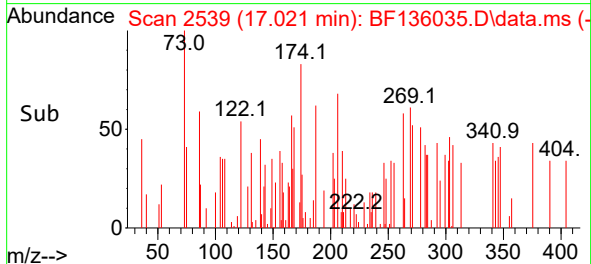
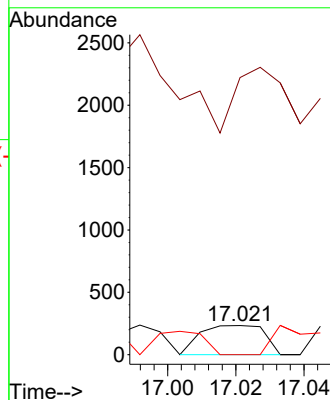
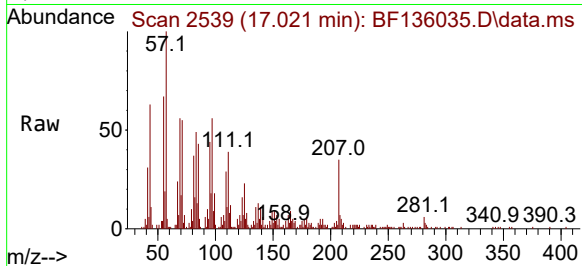




#91
Dibenzo(a,h)anthracene
Concen: 14.481 ng
RT: 17.021 min Scan# 214
Delta R.T. -0.017 min
Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

Instrument :
BNA_F
ClientSampleId :
214

Tgt Ion:278 Resp: 307
Ion Ratio Lower Upper
278 100
139 953.6 13.7 20.5#
279 0.0 19.0 28.6#



#92
Benzo(g,h,i)perylene
Concen: 19.402 ng
RT: 17.451 min Scan# 2612
Delta R.T. -0.023 min
Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

Tgt Ion:276 Resp: 424
Ion Ratio Lower Upper
276 100
277 91.3 19.0 28.4#
138 282.1 17.4 26.2#

