

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
 Data File : BF136304.D
 Acq On : 30 Nov 2023 02:10
 Operator : CG\JU
 Sample : 05517-01DL 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-ADL

Quant Time: Nov 30 02:36:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 03:04:20 2023
 Response via : Initial Calibration

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

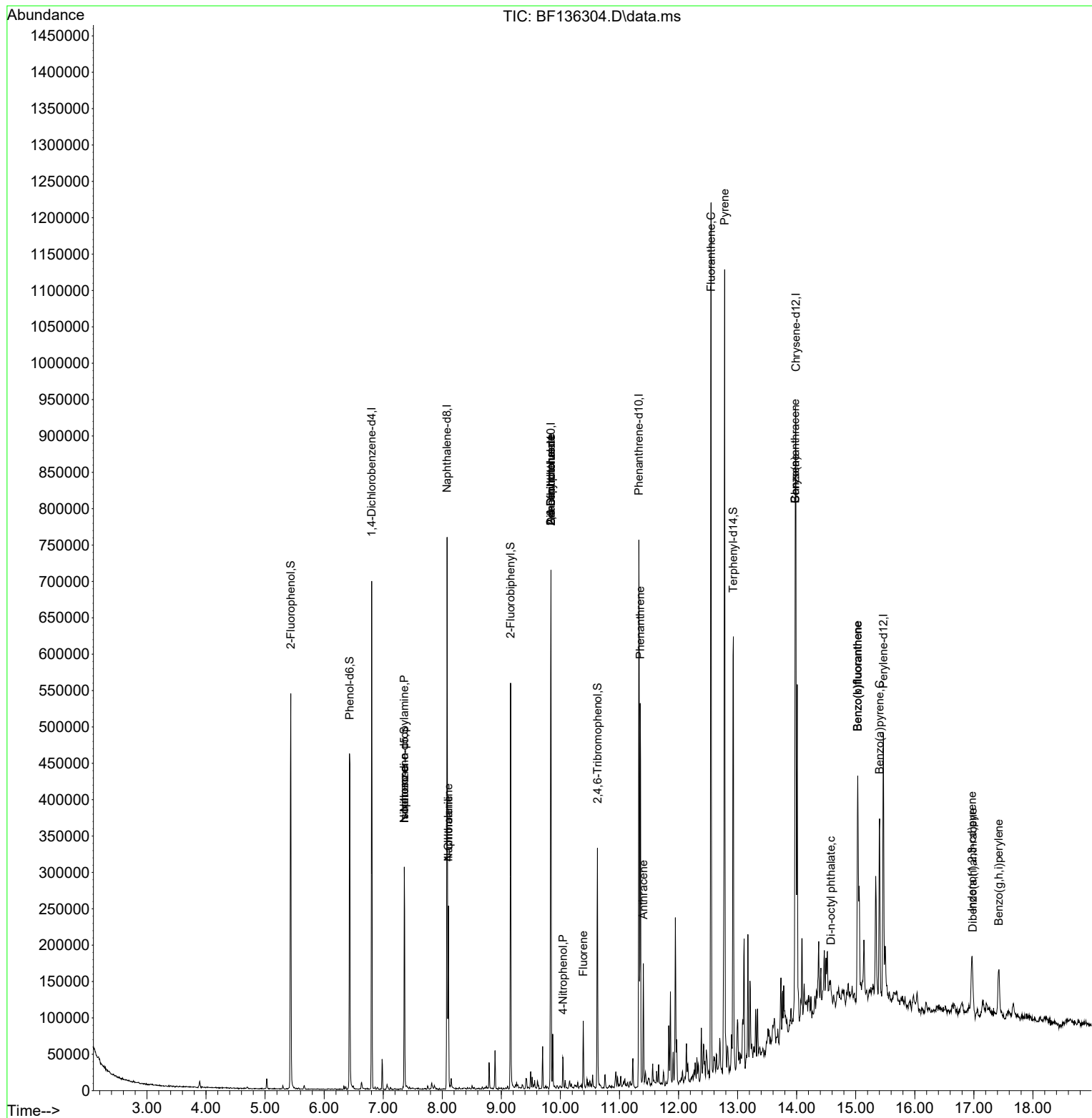
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	89841	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	312367	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	135190	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	275864	20.000	ng	0.00
76) Chrysene-d12	13.986	240	228338	20.000	ng	0.00
86) Perylene-d12	15.468	264	171325	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	144798	22.433	ng	0.00
7) Phenol-d6	6.434	99	162949	20.190	ng	-0.01
23) Nitrobenzene-d5	7.357	82	89285	15.104	ng	-0.02
42) 2,4,6-Tribromophenol	10.628	330	36021	21.794	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	153797	14.531	ng	-0.01
79) Terphenyl-d14	12.927	244	214182	10.820	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.357	70	10990	2.277	ng	# 84
25) Isophorone	7.357	82	89284	8.377	ng	# 68
31) Naphthalene	8.104	128	96621	5.503	ng	# 97
33) 4-Chloroaniline	8.104	127	12772	2.140	ng	# 35
50) Dimethylphthalate	9.839	163	27506	2.692	ng	# 1
51) 2,6-Dinitrotoluene	9.839	165	16885	8.089	ng	# 24
56) 4-Nitrophenol	10.045	139	5189	3.299	ng	# 3
57) 2,4-Dinitrotoluene	9.839	165	16885	6.056	ng	# 27
58) Fluorene	10.386	166	23148	2.375	ng	# 87
71) Phenanthrene	11.351	178	191229	12.334	ng	# 96
72) Anthracene	11.404	178	57828	3.719	ng	# 96
75) Fluoranthene	12.551	202	463235	29.430	ng	# 97
78) Pyrene	12.780	202	422050	16.877	ng	# 97
81) Benzo(a)anthracene	13.974	228	194763	11.484	ng	# 96
83) Chrysene	13.974	228	194763	11.893	ng	# 96
85) Di-n-octyl phthalate	14.580	149	140	5.171	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.968	276	59339	7.054	ng	# 97
88) Benzo(b)fluoranthene	15.033	252	230847	19.205	ng	# 95
89) Benzo(k)fluoranthene	15.033	252	230847	20.221	ng	# 94
90) Benzo(a)pyrene	15.404	252	119008	12.112	ng	# 95
91) Dibenzo(a,h)anthracene	16.980	278	15015	4.092	ng	# 91
92) Benzo(g,h,i)perylene	17.421	276	56121	7.127	ng	# 95

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

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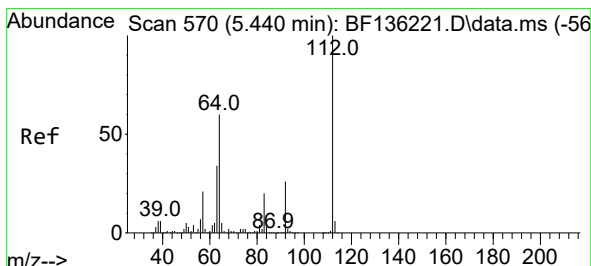
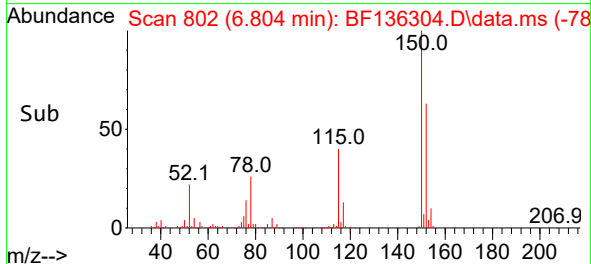
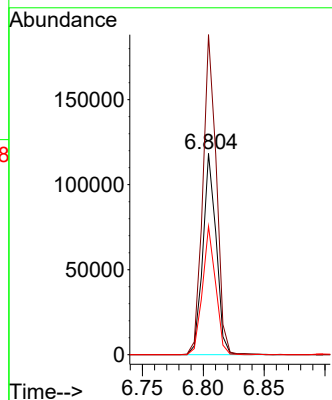
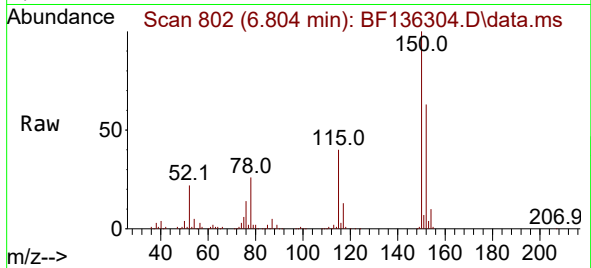




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136304.D
Acq: 30 Nov 2023 02:10

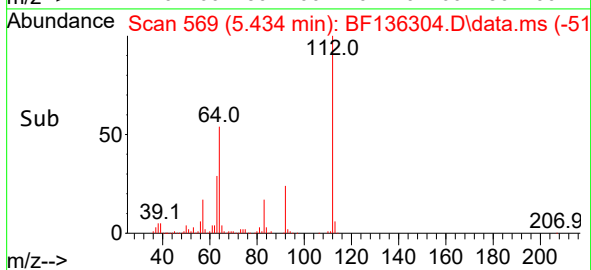
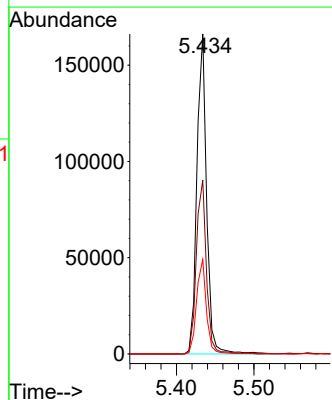
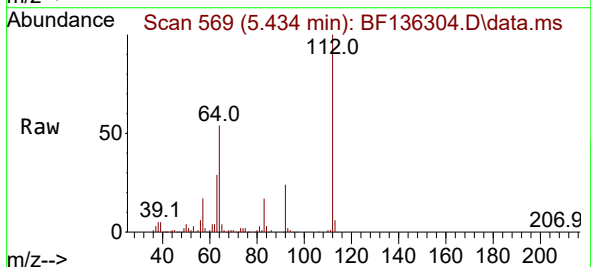
Instrument :
BNA_F
ClientSampleId :
TP-ADL

Tgt Ion:152 Resp: 89841
Ion Ratio Lower Upper
152 100
150 159.1 137.8 206.8
115 63.8 52.7 79.1



#5
2-Fluorophenol
Concen: 22.433 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.006 min
Lab File: BF136304.D
Acq: 30 Nov 2023 02:10

Tgt Ion:112 Resp: 144798
Ion Ratio Lower Upper
112 100
64 54.4 48.2 72.4
63 29.5 27.0 40.6





#7
Phenol-d6
Concen: 20.190 ng
RT: 6.434 min Scan# 714
Delta R.T. -0.012 min
Lab File: BF136304.D
Acq: 30 Nov 2023 02:10

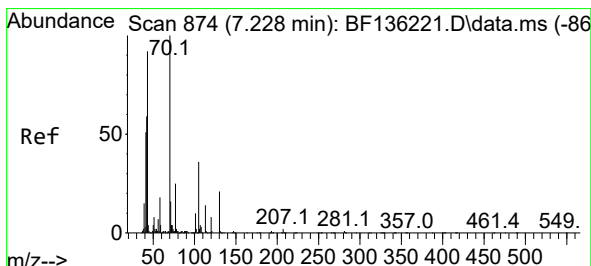
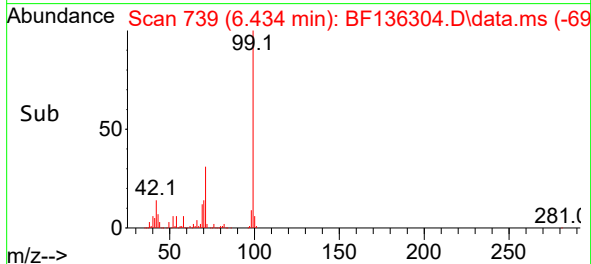
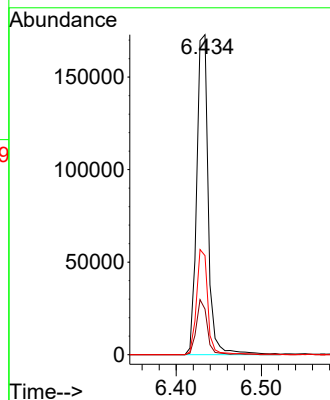
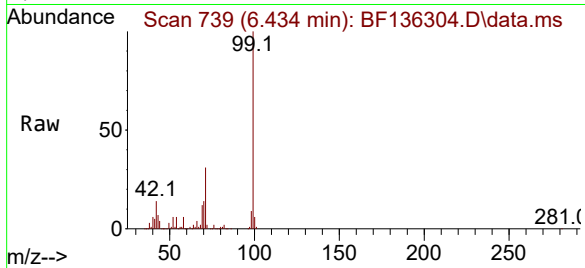
Instrument :

BNA_F

ClientSampleId :

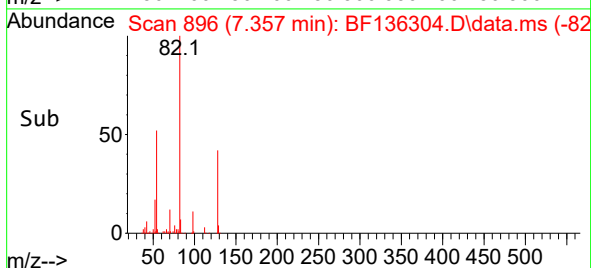
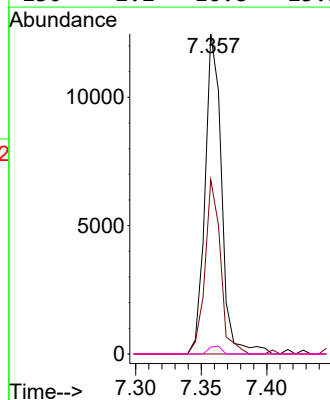
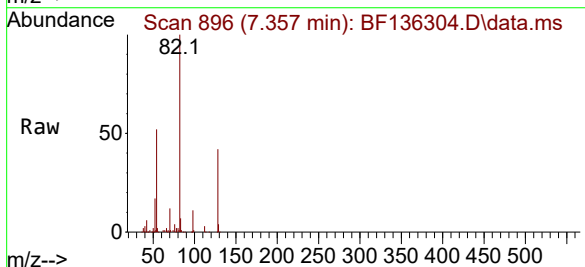
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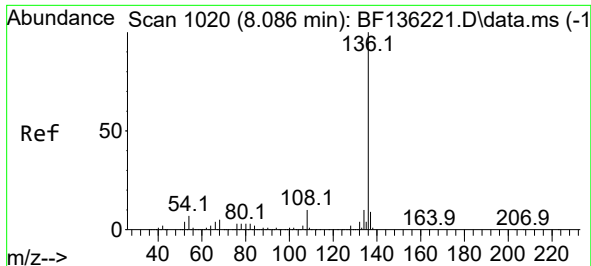
Tgt Ion: 99 Resp: 162949
Ion Ratio Lower Upper
99 100
42 14.2 15.0 22.6#
71 31.0 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 2.277 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.130 min
Lab File: BF136304.D
Acq: 30 Nov 2023 02:10

Tgt Ion: 70 Resp: 10990
Ion Ratio Lower Upper
70 100
42 54.5 47.0 70.4
101 0.0 7.8 11.8#
130 2.2 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF136304.D

Acq: 30 Nov 2023 02:10

Instrument :

BNA_F

ClientSampleId :

TP-ADL

Tgt Ion:136 Resp: 312367

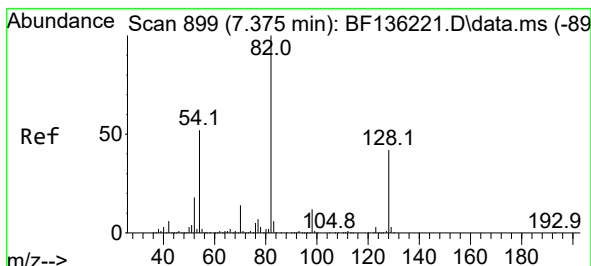
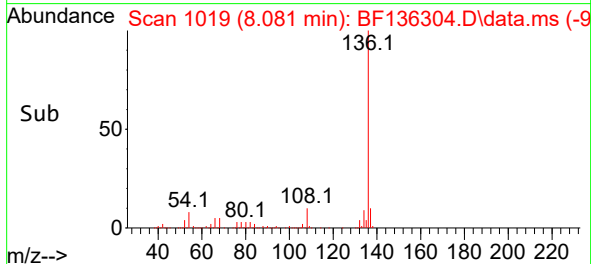
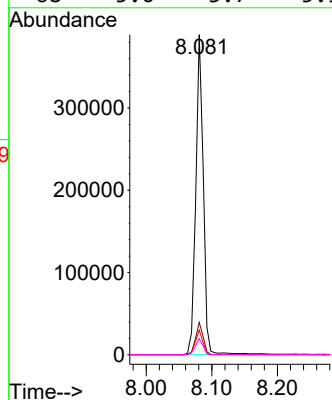
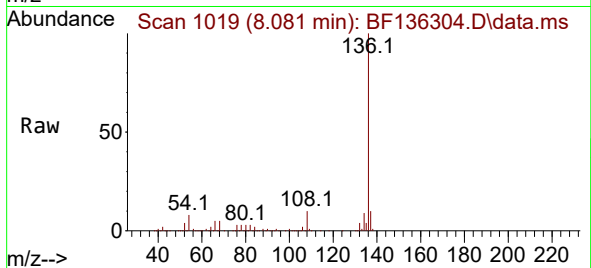
Ion Ratio Lower Upper

136 100

137 10.1 7.4 11.2

54 7.7 5.5 8.3

68 5.0 3.7 5.5



#23

Nitrobenzene-d5

Concen: 15.104 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.017 min

Lab File: BF136304.D

Acq: 30 Nov 2023 02:10

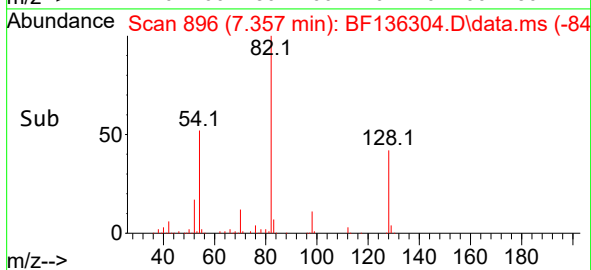
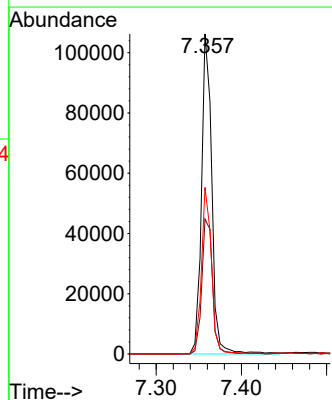
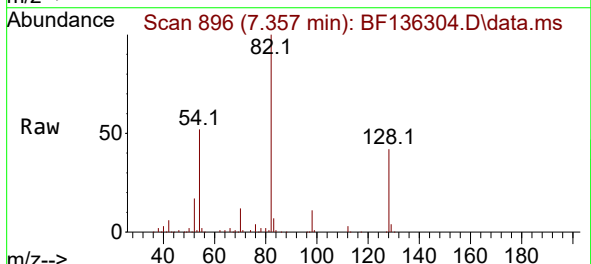
Tgt Ion: 82 Resp: 89285

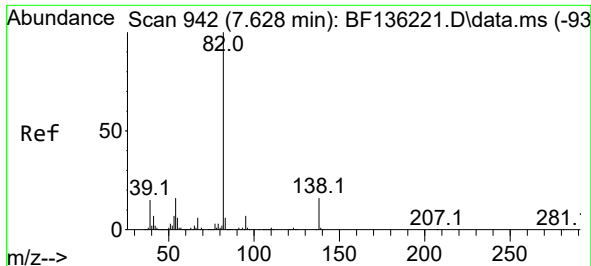
Ion Ratio Lower Upper

82 100

128 42.2 33.4 50.2

54 52.1 41.7 62.5

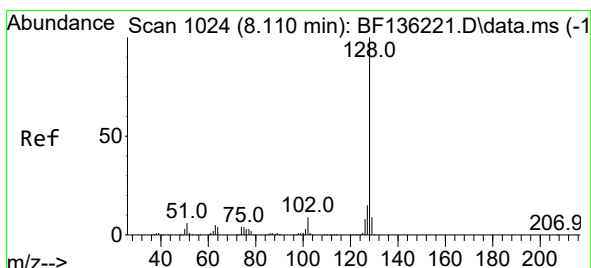
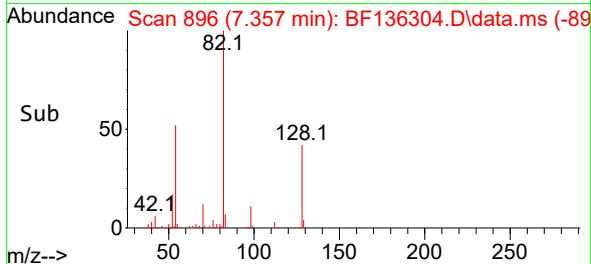
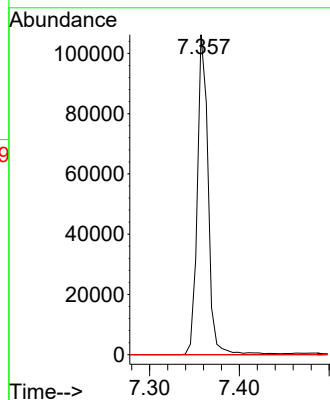
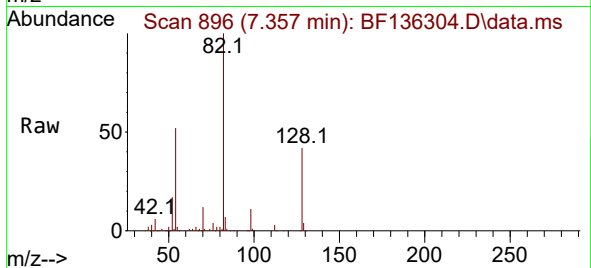




#25
Isophorone
Concen: 8.377 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.270 min
Lab File: BF136304.D
Acq: 30 Nov 2023 02:10

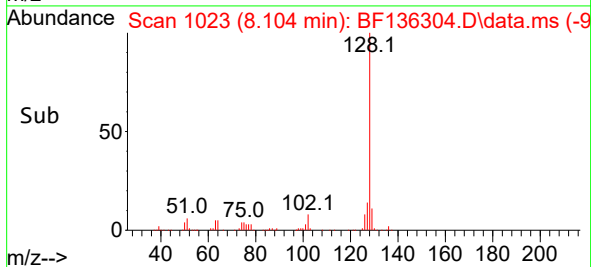
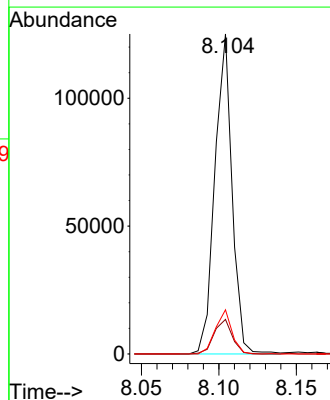
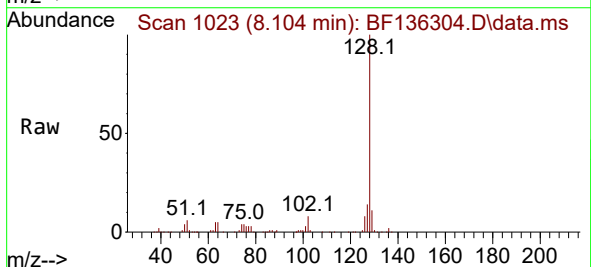
Instrument :
BNA_F
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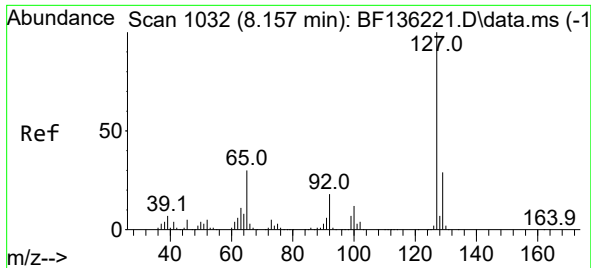
Tgt Ion: 82 Resp: 89284
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.8 19.2#



#31
Naphthalene
Concen: 5.503 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF136304.D
Acq: 30 Nov 2023 02:10

Tgt Ion: 128 Resp: 96621
Ion Ratio Lower Upper
128 100
129 10.8 7.3 10.9
127 13.8 11.8 17.6

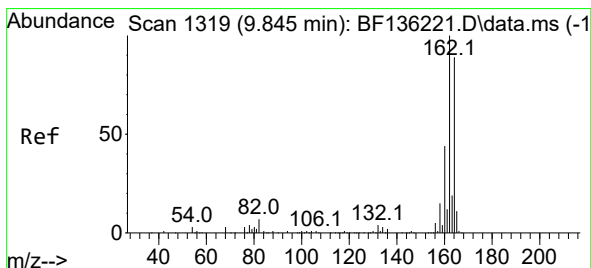
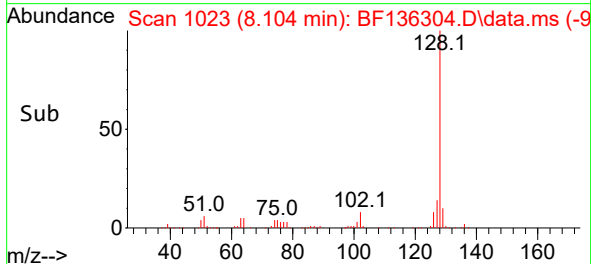
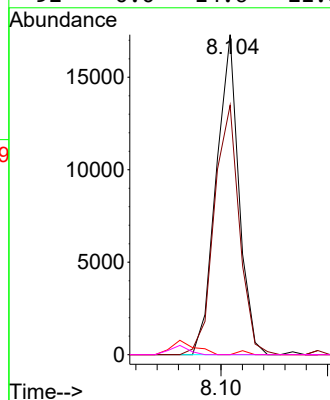
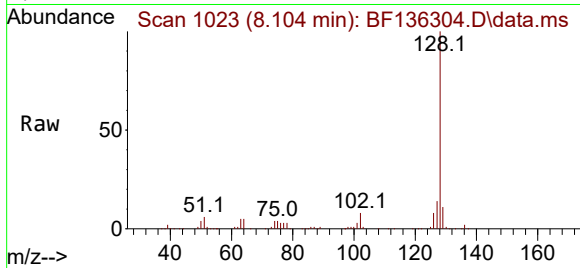




#33
4-Chloroaniline
Concen: 2.140 ng
RT: 8.104 min Scan# 1032
Delta R.T. -0.053 min
Lab File: BF136304.D
Acq: 30 Nov 2023 02:10

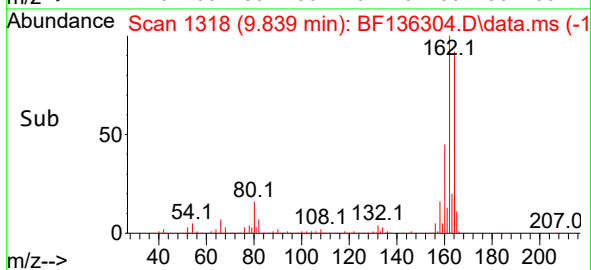
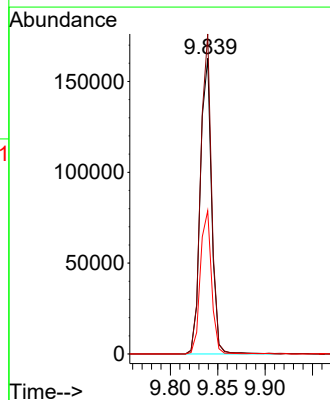
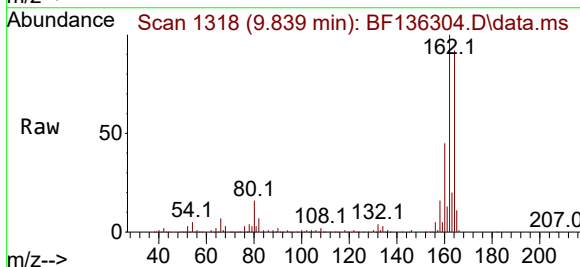
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BNA_F
ClientSampleId :
TP-ADL

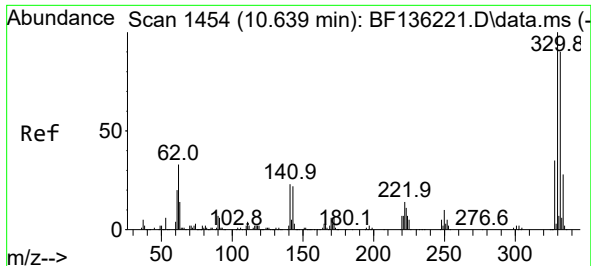
Tgt Ion:	127	Resp:	12772
Ion	Ratio	Lower	Upper
127	100		
129	78.0	23.4	35.2#
65	0.0	23.8	35.6#
92	0.0	14.6	21.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF136304.D
Acq: 30 Nov 2023 02:10

Tgt Ion:	164	Resp:	135190
Ion	Ratio	Lower	Upper
164	100		
162	108.3	89.5	134.3
160	48.5	39.6	59.4





#42

2,4,6-Tribromophenol

Concen: 21.794 ng

RT: 10.628 min Scan# 1454

Delta R.T. -0.012 min

Lab File: BF136304.D

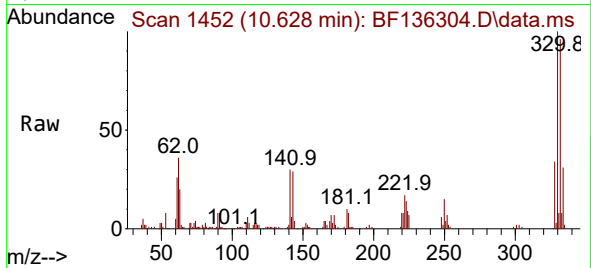
Acq: 30 Nov 2023 02:10

Instrument :

BNA_F

ClientSampleId :

TP-ADL



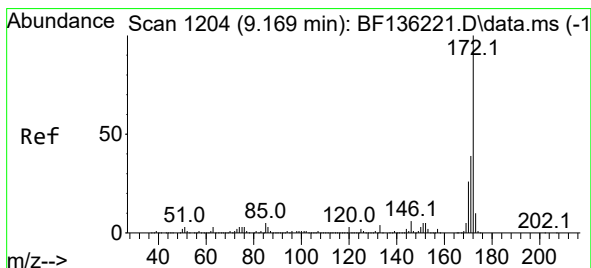
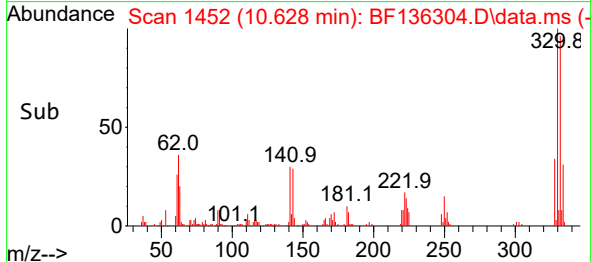
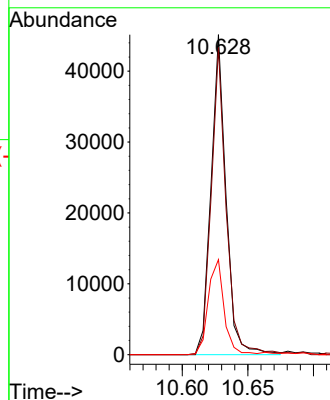
Tgt Ion:330 Resp: 36021

Ion Ratio Lower Upper

330 100

332 96.1 73.0 109.6

141 31.4 24.2 36.2



#45

2-Fluorobiphenyl

Concen: 14.531 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.012 min

Lab File: BF136304.D

Acq: 30 Nov 2023 02:10

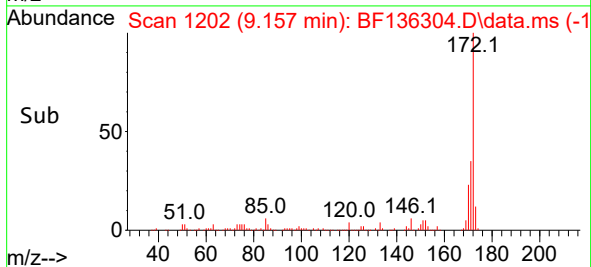
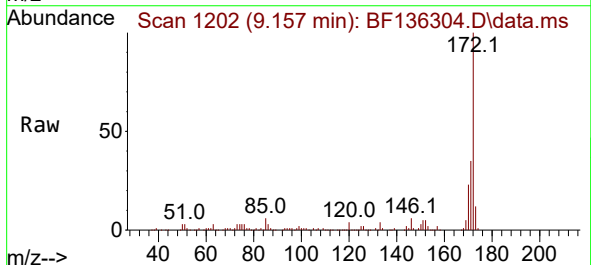
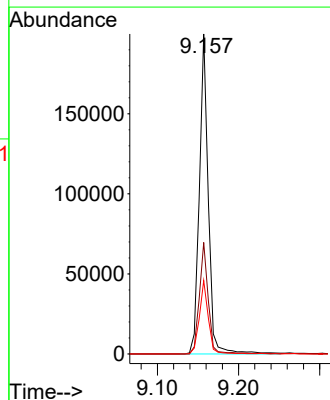
Tgt Ion:172 Resp: 153797

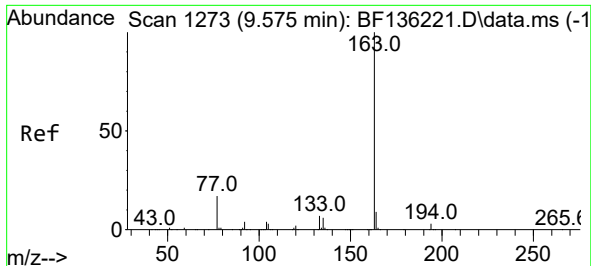
Ion Ratio Lower Upper

172 100

171 34.9 31.5 47.3

170 22.9 20.8 31.2

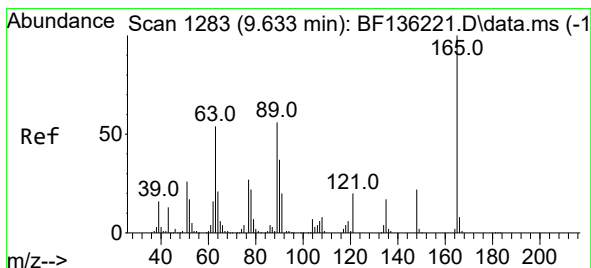
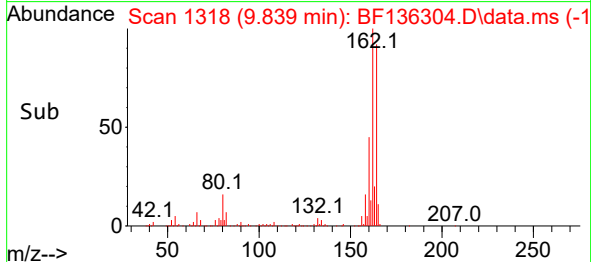
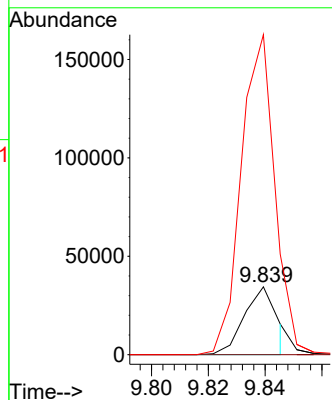
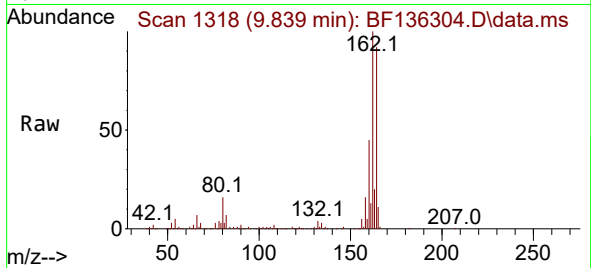




#50
Dimethylphthalate
Concen: 2.692 ng
RT: 9.839 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF136304.D
Acq: 30 Nov 2023 02:10

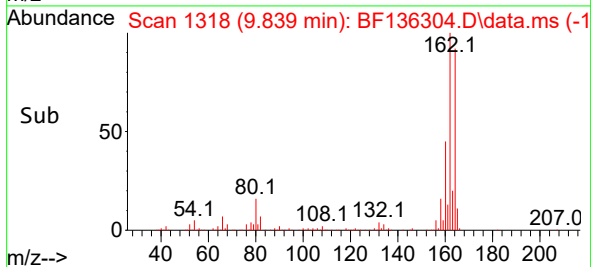
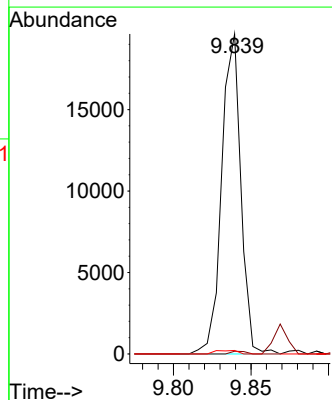
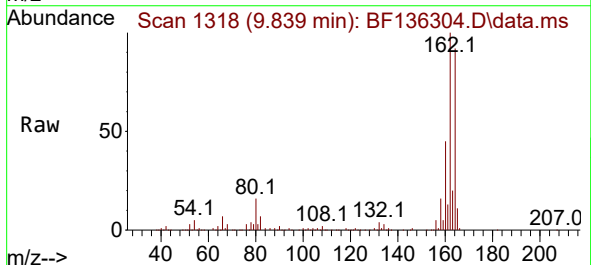
Instrument :
BNA_F
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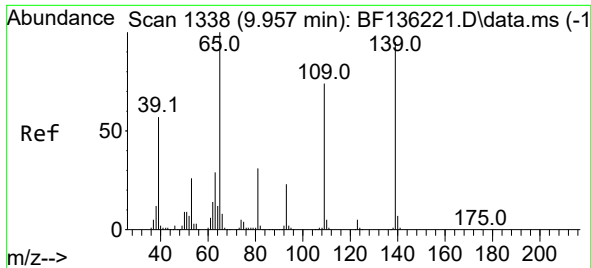
Tgt Ion:163 Resp: 27506
Ion Ratio Lower Upper
163 100
194 0.0 2.5 3.7#
164 471.9 7.0 10.6#



#51
2,6-Dinitrotoluene
Concen: 8.089 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.206 min
Lab File: BF136304.D
Acq: 30 Nov 2023 02:10

Tgt Ion:165 Resp: 16885
Ion Ratio Lower Upper
165 100
63 0.9 46.2 69.2#
89 1.1 44.9 67.3#

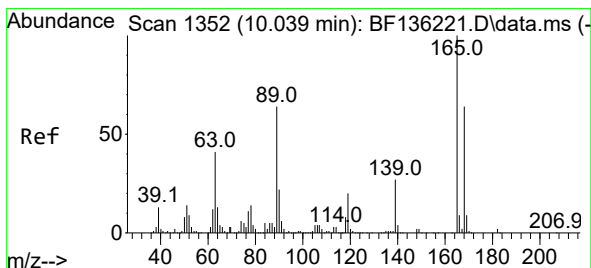
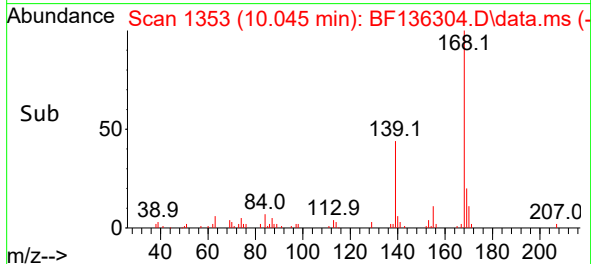
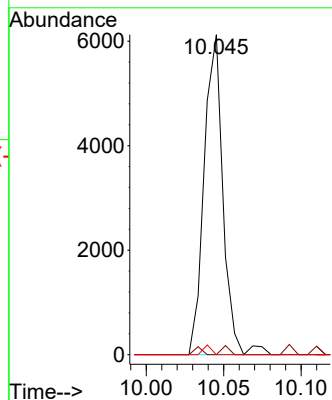
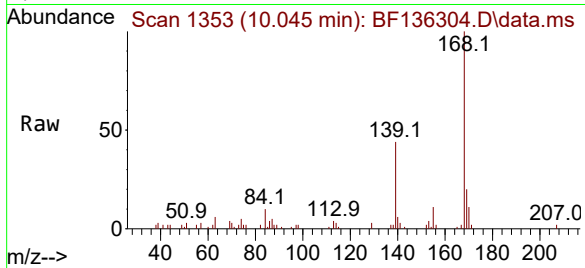




#56
4-Nitrophenol
Concen: 3.299 ng
RT: 10.045 min Scan# 11
Delta R.T. 0.088 min
Lab File: BF136304.D
Acq: 30 Nov 2023 02:10

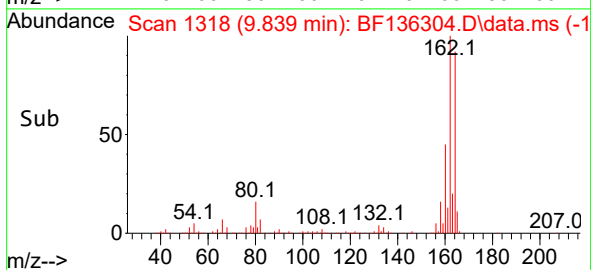
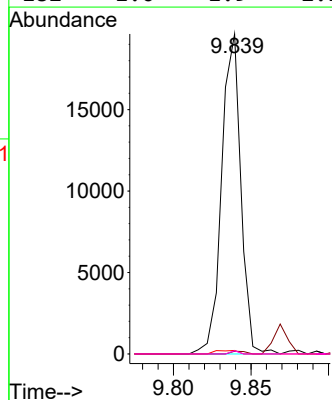
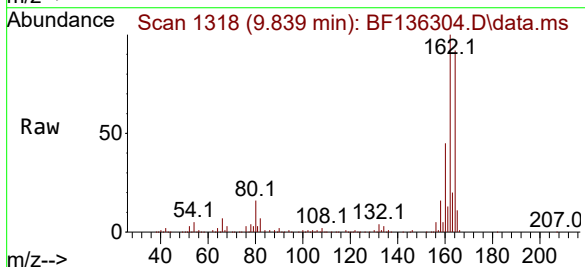
Instrument :
BNA_F
ClientSampleId :
TP-ADL

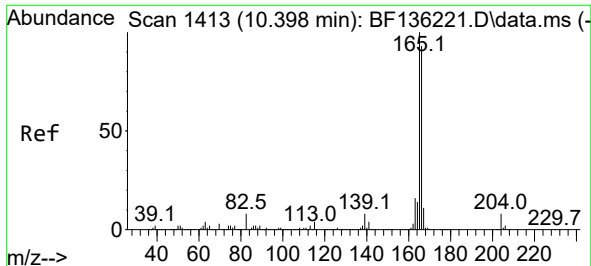
Tgt Ion:139 Resp: 5189
Ion Ratio Lower Upper
139 100
109 0.0 57.8 97.8#
65 0.0 86.0 126.0#



#57
2,4-Dinitrotoluene
Concen: 6.056 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.200 min
Lab File: BF136304.D
Acq: 30 Nov 2023 02:10

Tgt Ion:165 Resp: 16885
Ion Ratio Lower Upper
165 100
63 0.9 33.0 49.4#
89 1.1 51.5 77.3#
182 1.0 1.9 2.9#

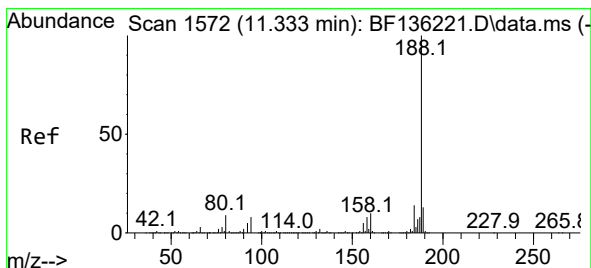
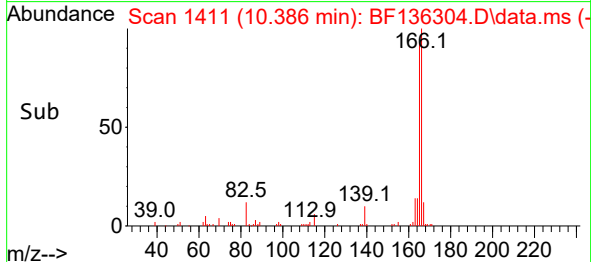
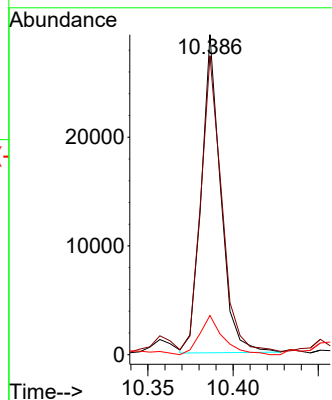
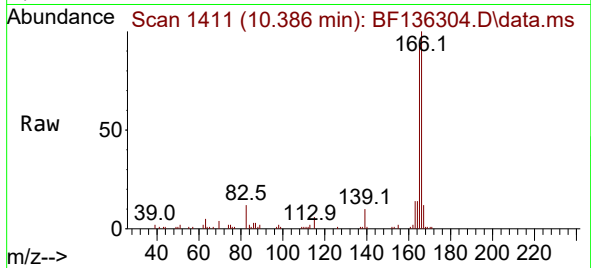




#58
Fluorene
Concen: 2.375 ng
RT: 10.386 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF136304.D
Acq: 30 Nov 2023 02:10

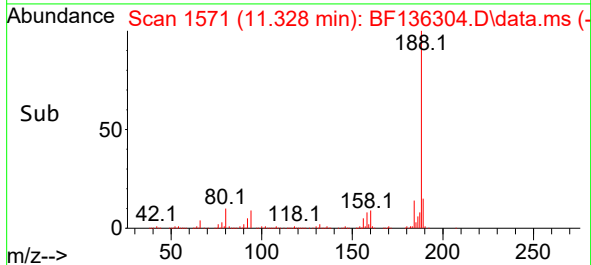
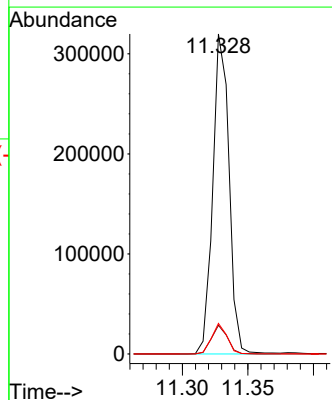
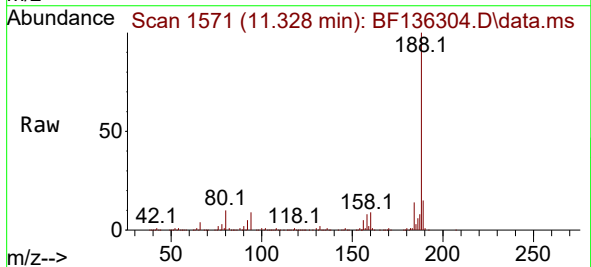
Instrument :
BNA_F
ClientSampleId :
TP-ADL

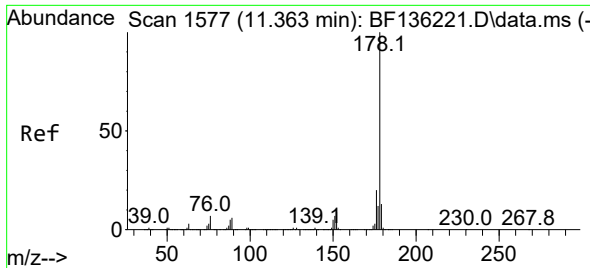
Tgt Ion:166 Resp: 23148
Ion Ratio Lower Upper
166 100
165 93.5 86.2 129.4
167 12.3 9.1 13.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1571
Delta R.T. -0.005 min
Lab File: BF136304.D
Acq: 30 Nov 2023 02:10

Tgt Ion:188 Resp: 275864
Ion Ratio Lower Upper
188 100
94 9.0 6.7 10.1
80 9.6 7.2 10.8

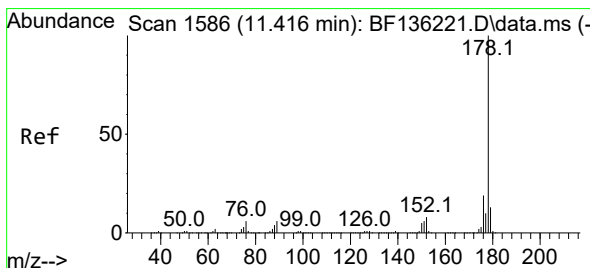
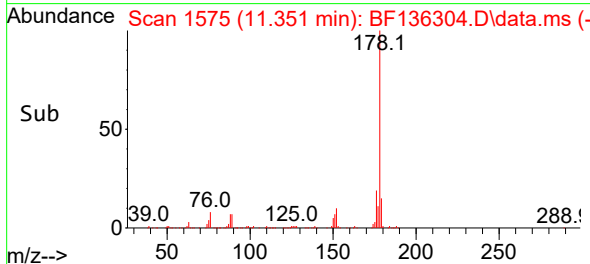
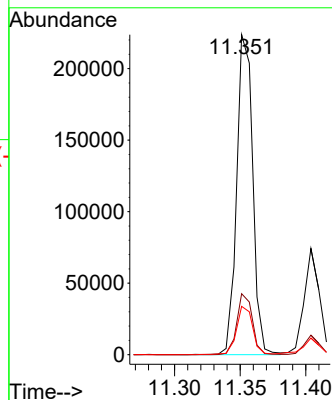
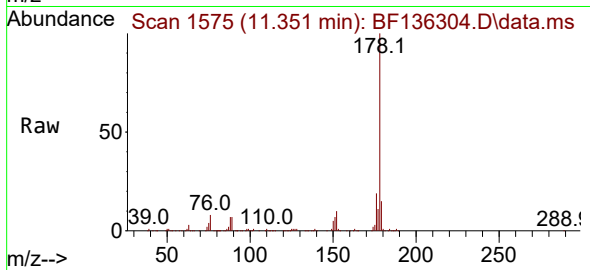




#71
Phenanthrene
Concen: 12.334 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136304.D
Acq: 30 Nov 2023 02:10

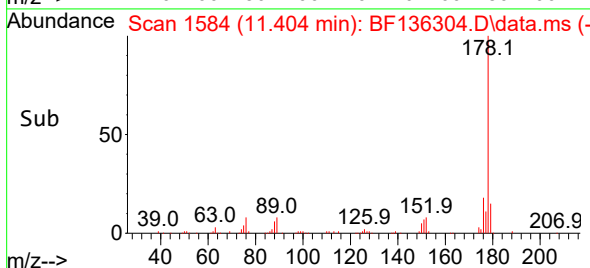
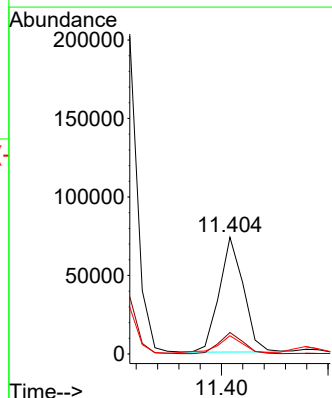
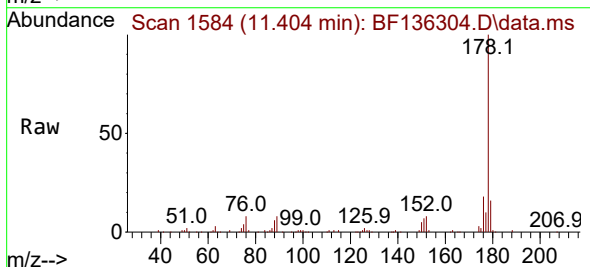
Instrument :
BNA_F
ClientSampleId :
TP-ADL

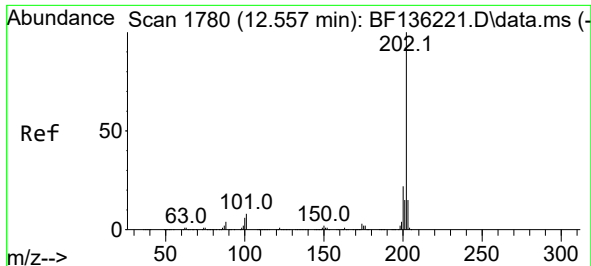
Tgt Ion:178 Resp: 191229
Ion Ratio Lower Upper
178 100
176 19.1 16.2 24.2
179 15.1 10.3 15.5



#72
Anthracene
Concen: 3.719 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF136304.D
Acq: 30 Nov 2023 02:10

Tgt Ion:178 Resp: 57828
Ion Ratio Lower Upper
178 100
176 18.3 15.5 23.3
179 15.6 10.5 15.7

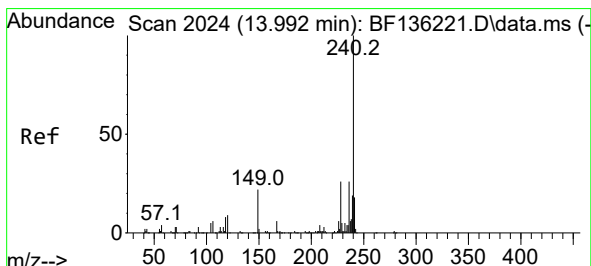
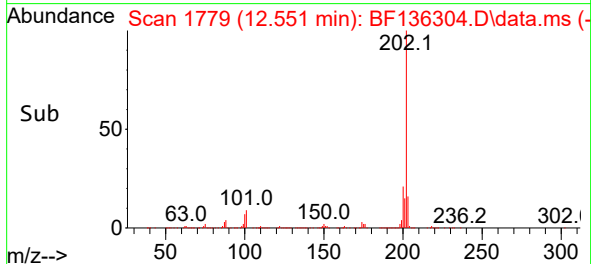
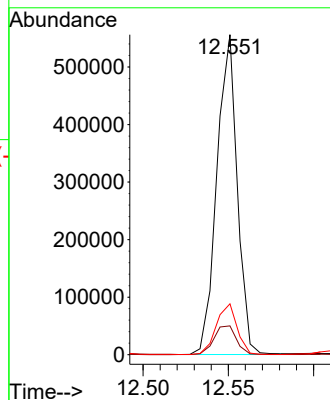
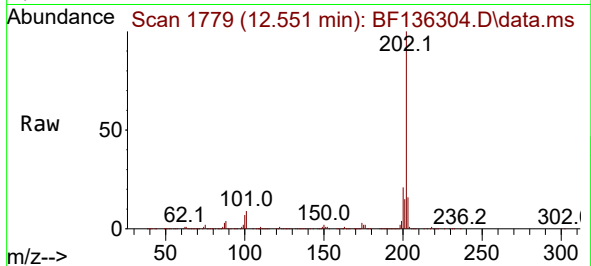




#75
Fluoranthene
Concen: 29.430 ng
RT: 12.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF136304.D
Acq: 30 Nov 2023 02:10

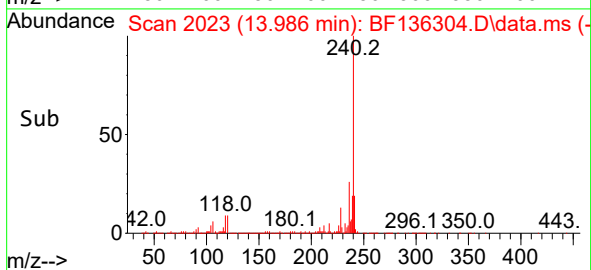
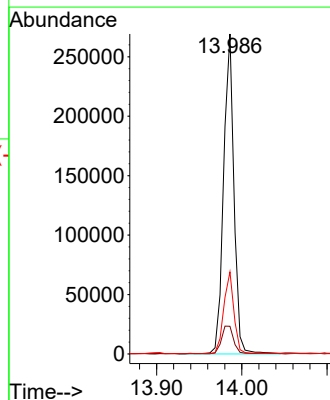
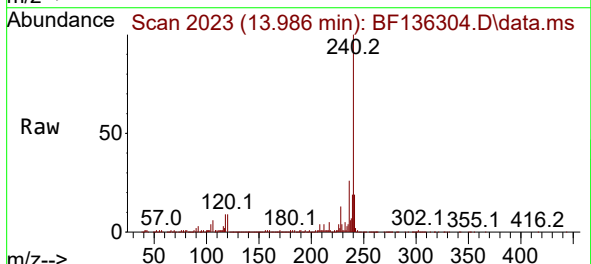
Instrument :
BNA_F
ClientSampleId :
TP-ADL

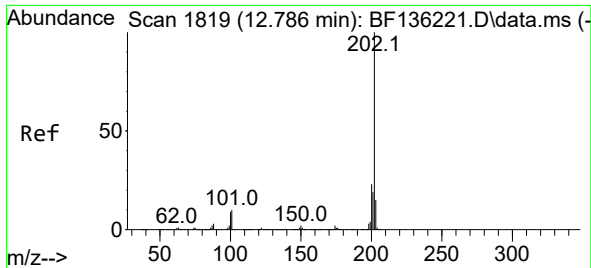
Tgt Ion:202 Resp: 463235
Ion Ratio Lower Upper
202 100
101 9.0 0.0 27.8
203 15.9 0.0 34.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF136304.D
Acq: 30 Nov 2023 02:10

Tgt Ion:240 Resp: 228338
Ion Ratio Lower Upper
240 100
120 8.7 7.4 11.2
236 25.7 21.1 31.7

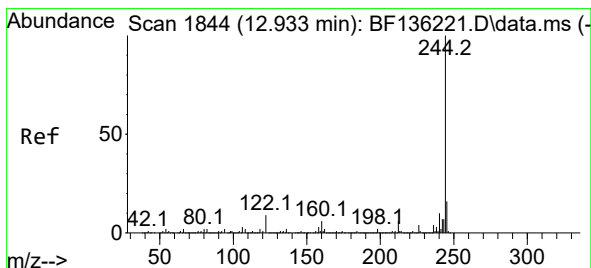
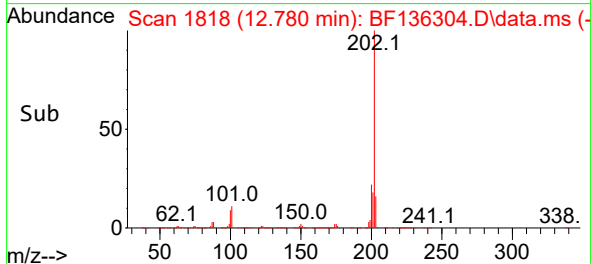
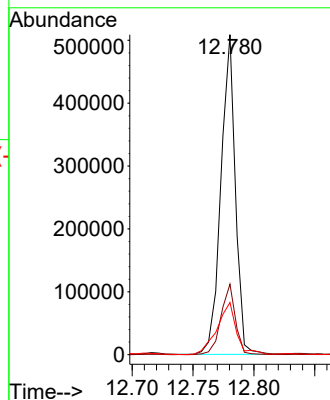
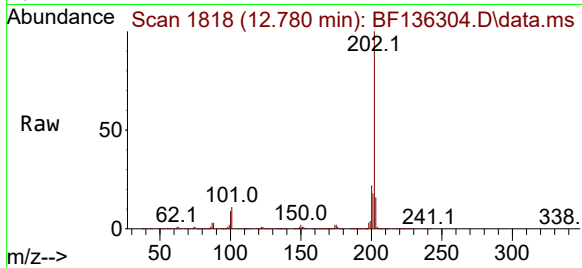




#78
 Pyrene
 Concen: 16.877 ng
 RT: 12.780 min Scan# 1819
 Delta R.T. -0.006 min
 Lab File: BF136304.D
 Acq: 30 Nov 2023 02:10

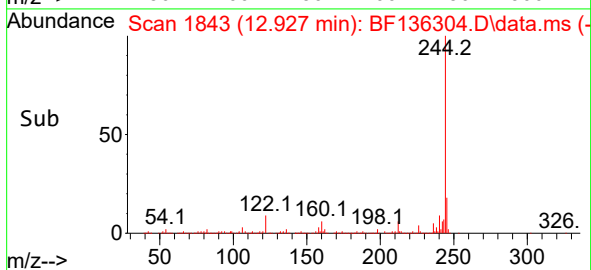
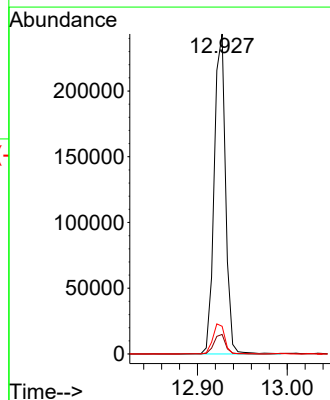
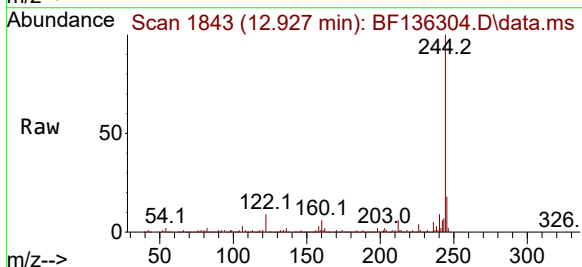
Instrument :
 BNA_F
 ClientSampleId :
 TP-ADL

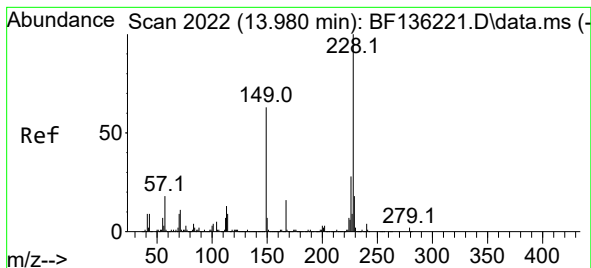
Tgt Ion:202 Resp: 422050
 Ion Ratio Lower Upper
 202 100
 200 22.0 18.4 27.6
 203 16.3 11.8 17.6



#79
 Terphenyl-d14
 Concen: 10.820 ng
 RT: 12.927 min Scan# 1843
 Delta R.T. -0.006 min
 Lab File: BF136304.D
 Acq: 30 Nov 2023 02:10

Tgt Ion:244 Resp: 214182
 Ion Ratio Lower Upper
 244 100
 212 6.1 4.6 7.0
 122 8.7 7.3 10.9





#81

Benzo(a)anthracene

Concen: 11.484 ng

RT: 13.974 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136304.D

Acq: 30 Nov 2023 02:10

Instrument :

BNA_F

ClientSampleId :

TP-ADL

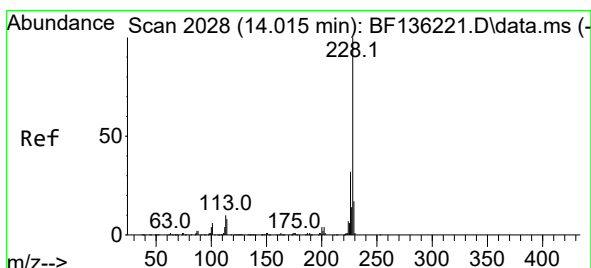
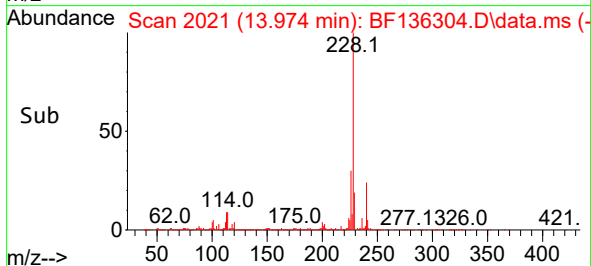
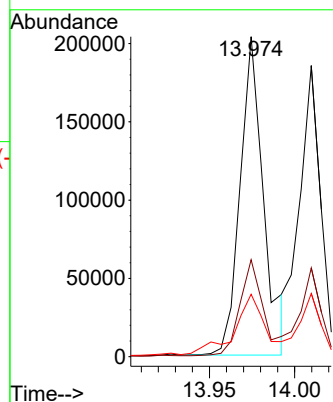
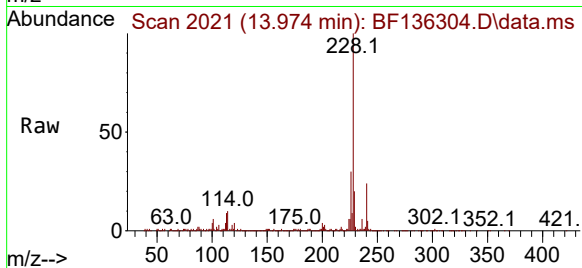
Tgt Ion:228 Resp: 194763

Ion Ratio Lower Upper

228 100

226 30.3 22.6 34.0

229 19.5 14.0 21.0



#83

Chrysene

Concen: 11.893 ng

RT: 13.974 min Scan# 2021

Delta R.T. -0.041 min

Lab File: BF136304.D

Acq: 30 Nov 2023 02:10

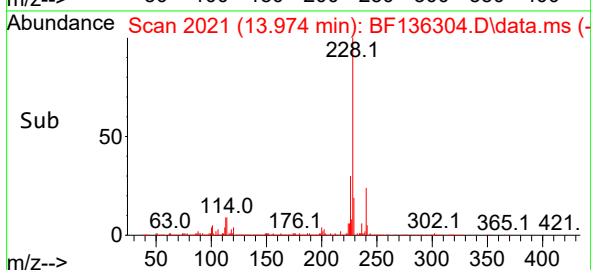
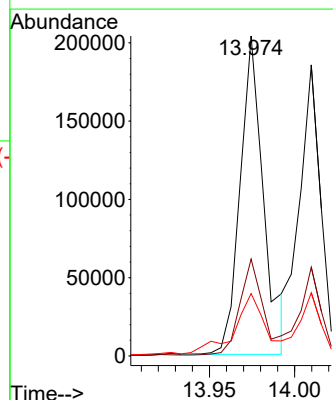
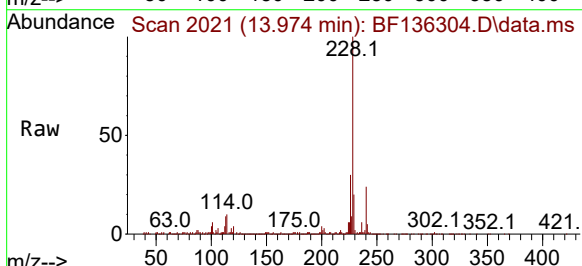
Tgt Ion:228 Resp: 194763

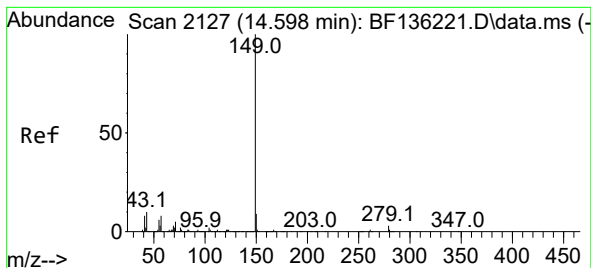
Ion Ratio Lower Upper

228 100

226 30.3 25.5 38.3

229 19.5 13.9 20.9





#85

Di-n-octyl phthalate

Concen: 5.171 ng

RT: 14.580 min Scan# 2127

Delta R.T. -0.018 min

Lab File: BF136304.D

Acq: 30 Nov 2023 02:10

Instrument :

BNA_F

ClientSampleId :

TP-ADL

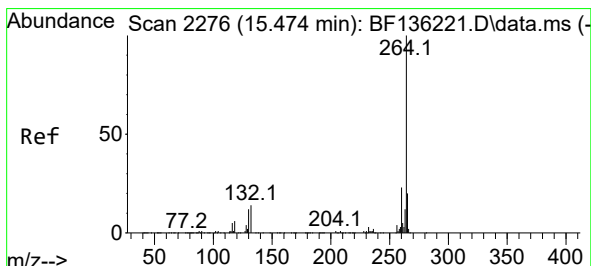
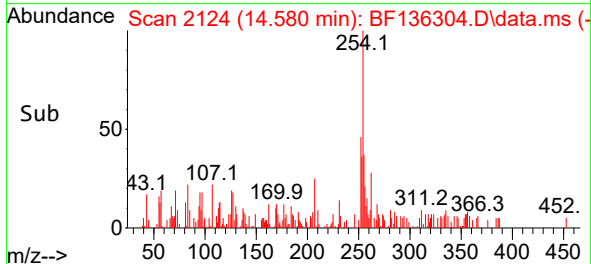
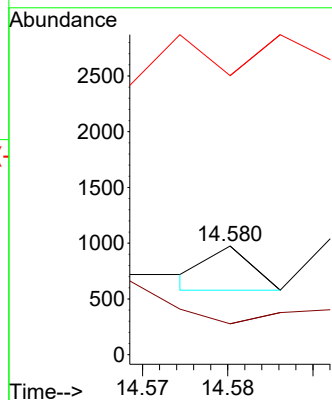
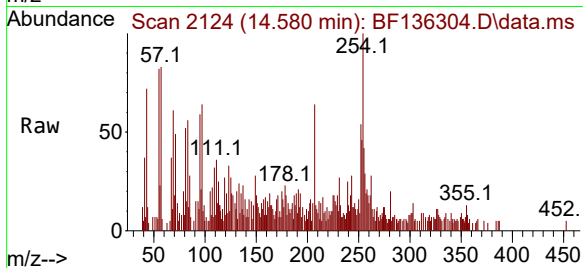
Tgt Ion:149 Resp: 140

Ion Ratio Lower Upper

149 100

167 181.4 1.0 1.6#

43 860.0 7.2 10.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 2275

Delta R.T. -0.006 min

Lab File: BF136304.D

Acq: 30 Nov 2023 02:10

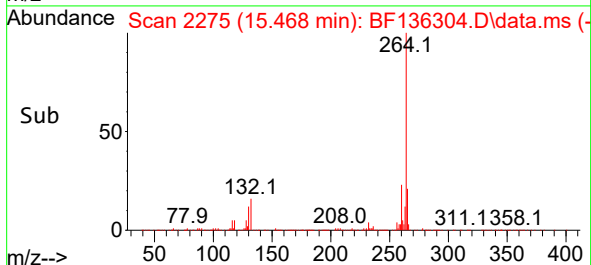
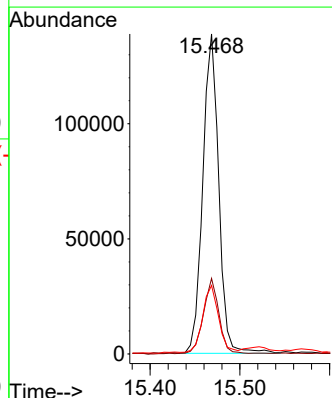
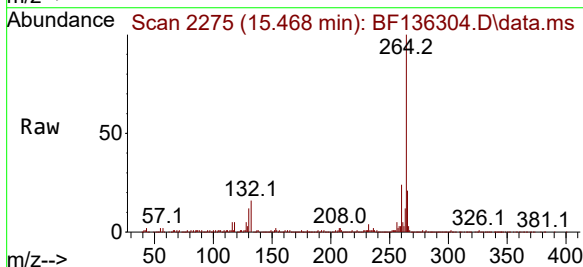
Tgt Ion:264 Resp: 171325

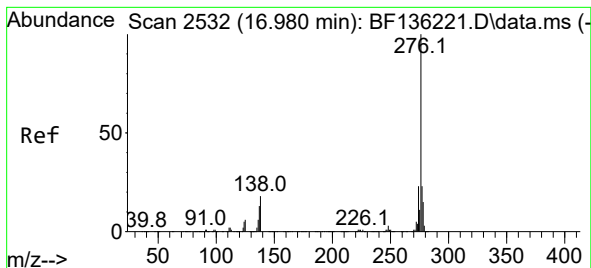
Ion Ratio Lower Upper

264 100

260 23.6 18.6 27.8

265 21.4 15.7 23.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.054 ng

RT: 16.968 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF136304.D

Acq: 30 Nov 2023 02:10

Instrument :

BNA_F

ClientSampleId :

TP-ADL

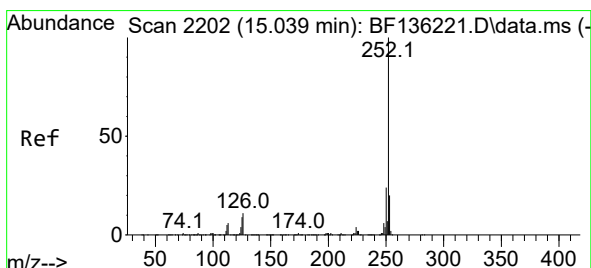
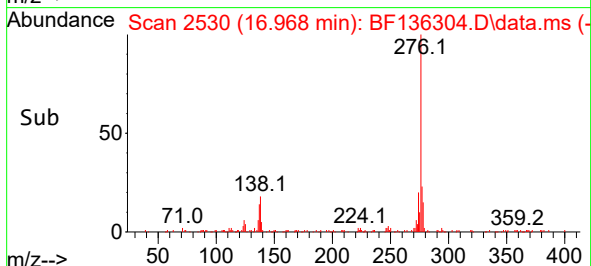
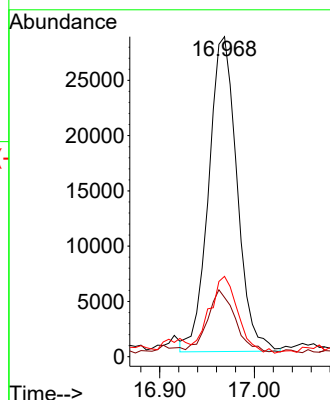
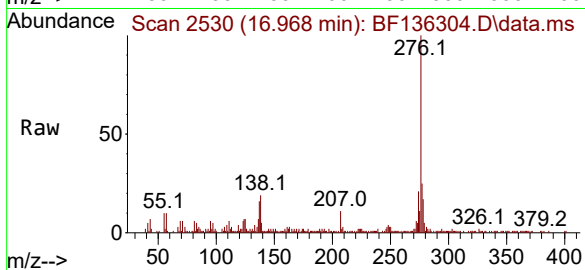
Tgt Ion:276 Resp: 59339

Ion Ratio Lower Upper

276 100

138 19.7 17.7 26.5

277 24.4 19.6 29.4



#88

Benzo(b)fluoranthene

Concen: 19.205 ng

RT: 15.033 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BF136304.D

Acq: 30 Nov 2023 02:10

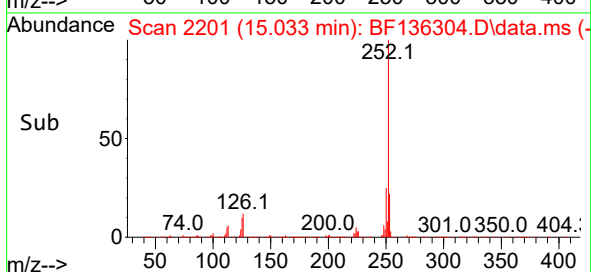
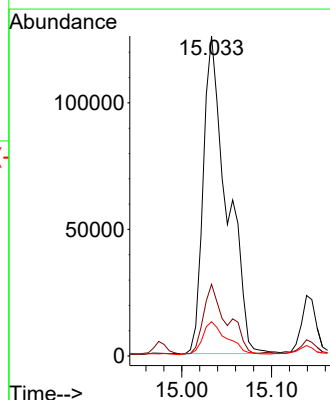
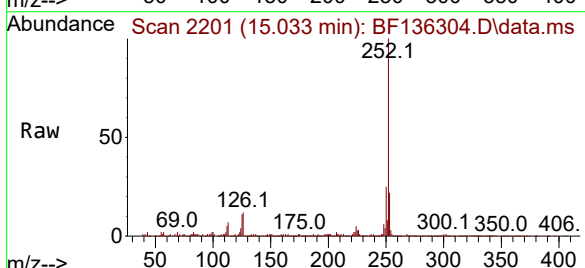
Tgt Ion:252 Resp: 230847

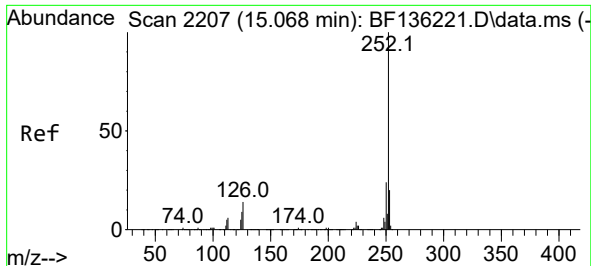
Ion Ratio Lower Upper

252 100

253 22.4 16.2 24.2

125 10.7 6.9 10.3#





#89

Benzo(k)fluoranthene

Concen: 20.221 ng

RT: 15.033 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF136304.D

Acq: 30 Nov 2023 02:10

Instrument :

BNA_F

ClientSampleId :

TP-ADL

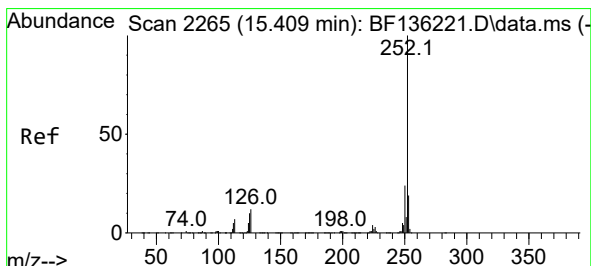
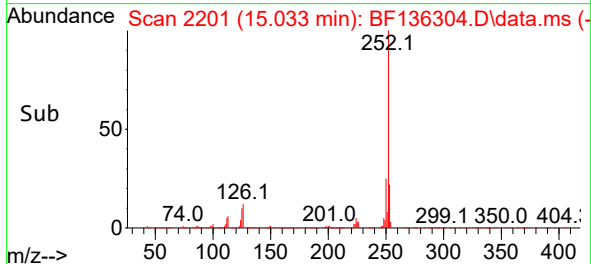
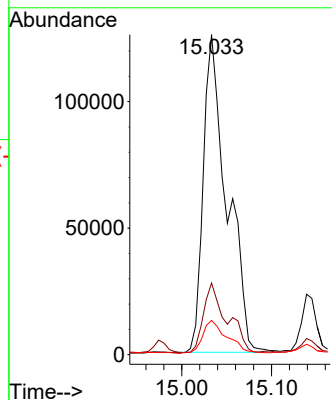
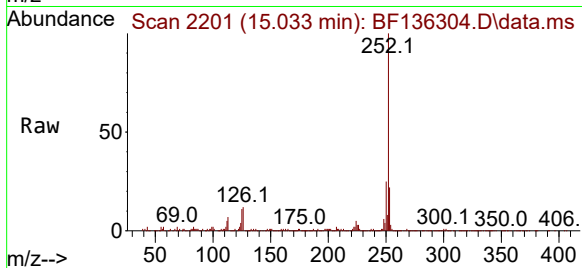
Tgt Ion:252 Resp: 230847

Ion Ratio Lower Upper

252 100

253 22.4 15.6 23.4

125 10.7 7.0 10.4#



#90

Benzo(a)pyrene

Concen: 12.112 ng

RT: 15.404 min Scan# 2264

Delta R.T. -0.005 min

Lab File: BF136304.D

Acq: 30 Nov 2023 02:10

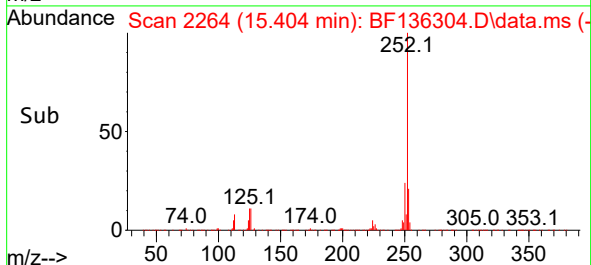
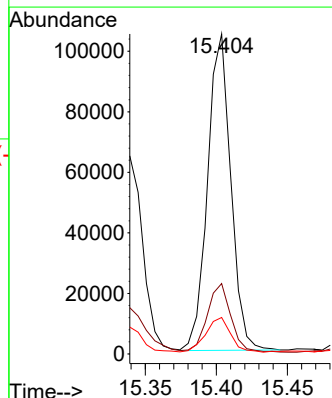
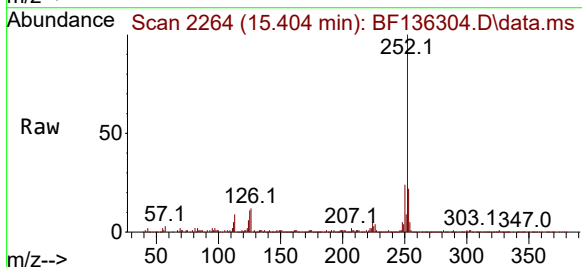
Tgt Ion:252 Resp: 119008

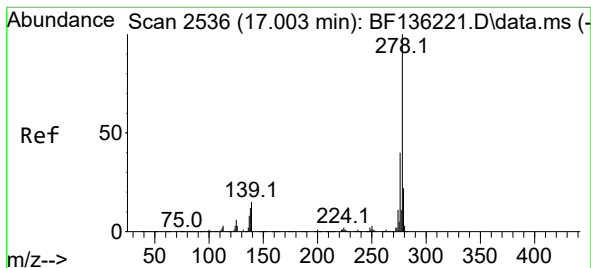
Ion Ratio Lower Upper

252 100

253 22.0 15.5 23.3

125 11.4 7.9 11.9





#91

Dibenzo(a,h)anthracene

Concen: 4.092 ng

RT: 16.980 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF136304.D

Acq: 30 Nov 2023 02:10

Instrument :

BNA_F

ClientSampleId :

TP-ADL

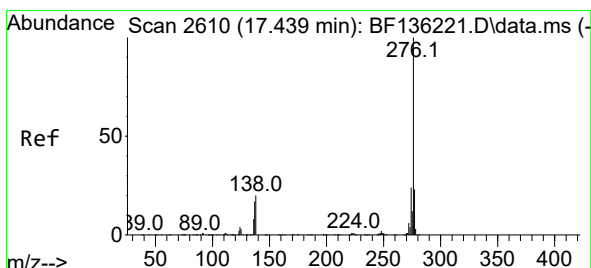
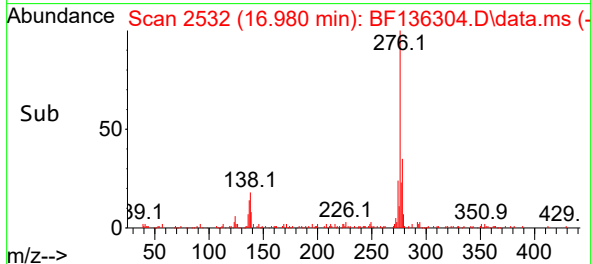
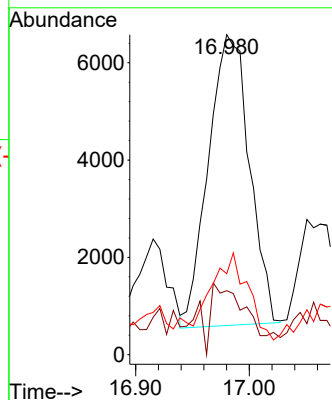
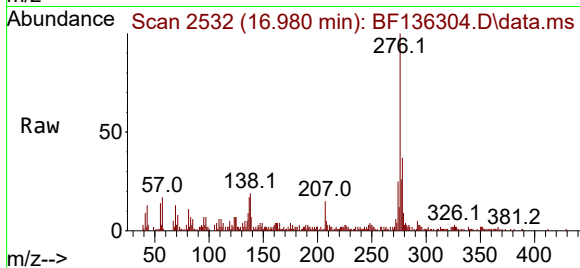
Tgt Ion:278 Resp: 15015

Ion Ratio Lower Upper

278 100

139 20.0 11.7 17.5#

279 25.3 17.8 26.8



#92

Benzo(g,h,i)perylene

Concen: 7.127 ng

RT: 17.421 min Scan# 2607

Delta R.T. -0.018 min

Lab File: BF136304.D

Acq: 30 Nov 2023 02:10

Tgt Ion:276 Resp: 56121

Ion Ratio Lower Upper

276 100

277 27.3 18.6 27.8

138 20.7 15.8 23.8

