

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
 Data File : BF136368.D
 Acq On : 02 Dec 2023 08:54
 Operator : CG\JU
 Sample : 05420-01
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12018

Quant Time: Dec 03 07:23:49 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)

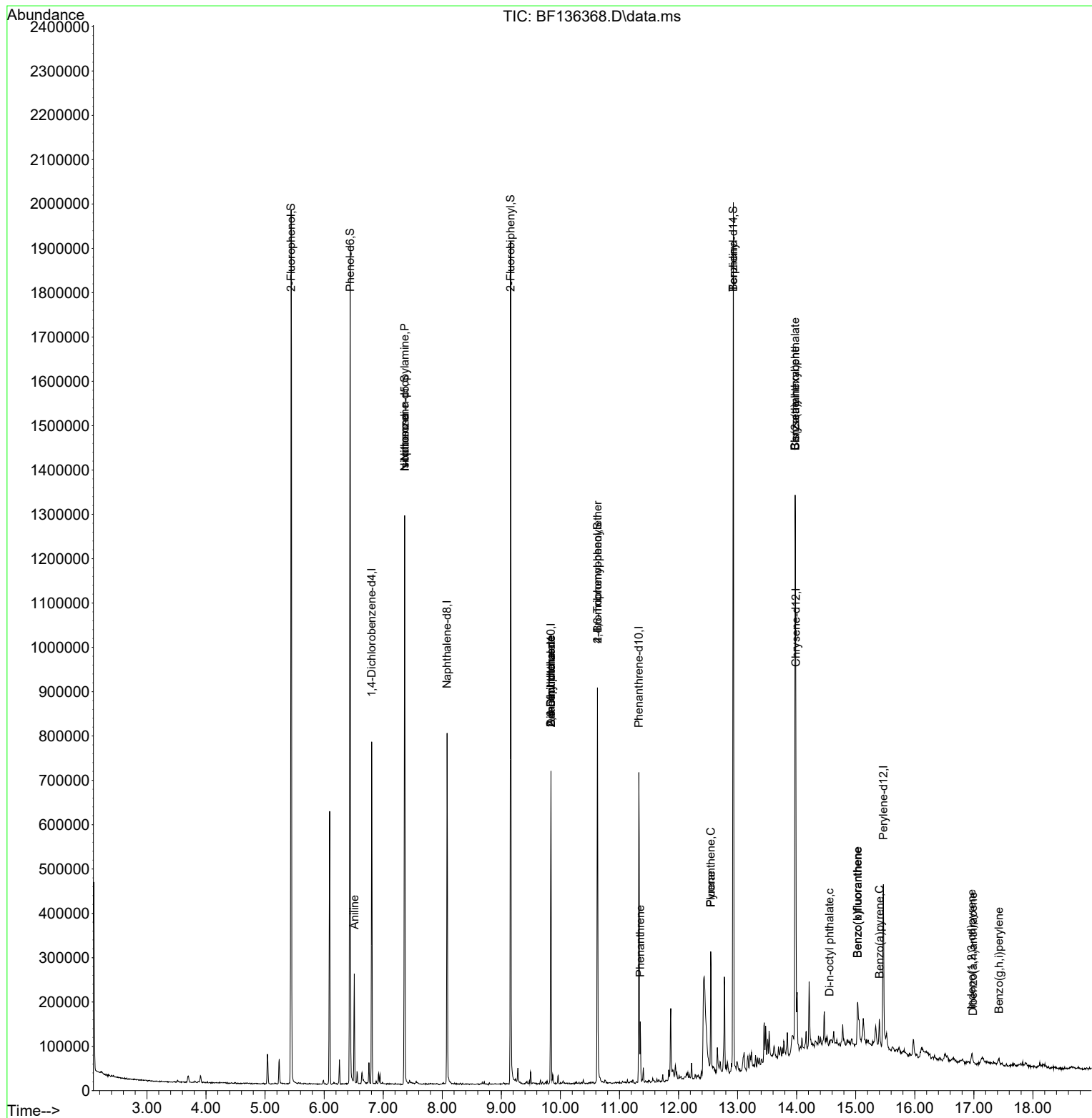
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	102812	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	340757	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	130059	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	246926	20.000	ng	0.00
76) Chrysene-d12	13.986	240	231658	20.000	ng	0.00
86) Perylene-d12	15.468	264	178615	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	550086	74.470	ng	0.00
7) Phenol-d6	6.440	99	631799	68.405	ng	0.00
23) Nitrobenzene-d5	7.363	82	388357	60.225	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	110657	69.592	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	557524	54.754	ng	-0.01
79) Terphenyl-d14	12.927	244	653441	32.537	ng	0.00
Target Compounds						Qvalue
6) Aniline	6.510	93	47411	5.431	ng	# 47
19) n-Nitroso-di-n-propyla...	7.363	70	51132	9.256	ng	# 74
25) Isophorone	7.363	82	388351	33.399	ng	# 68
50) Dimethylphthalate	9.839	163	26041	2.649	ng	# 1
51) 2,6-Dinitrotoluene	9.839	165	16402	8.167	ng	# 24
57) 2,4-Dinitrotoluene	9.839	165	16402	6.114	ng	# 28
67) 4-Bromophenyl-phenylether	10.628	248	6963	2.417	ng	# 1
71) Phenanthrene	11.351	178	46752	3.369	ng	95
75) Fluoranthene	12.545	202	104043	7.385	ng	94
77) Benzidine	12.927	184	7931	2.083	ng	# 89
78) Pyrene	12.545	202	104043	4.101	ng	94
81) Benzo(a)anthracene	13.974	228	51354	2.985	ng	96
83) Chrysene	13.974	228	51354	3.091	ng	92
84) Bis(2-ethylhexyl)phtha...	13.974	149	229376	24.206	ng	# 98
85) Di-n-octyl phthalate	14.557	149	433	5.188	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.962	276	15968	3.808	ng	96
88) Benzo(b)fluoranthene	15.033	252	67440	5.382	ng	# 96
89) Benzo(k)fluoranthene	15.033	252	67440	5.666	ng	# 95
90) Benzo(a)pyrene	15.404	252	29803	2.909	ng	97
91) Dibenzo(a,h)anthracene	16.986	278	5236	3.174	ng	# 82
92) Benzo(g,h,i)perylene	17.427	276	14696	3.213	ng	99

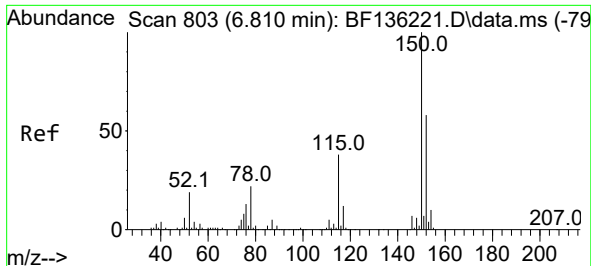
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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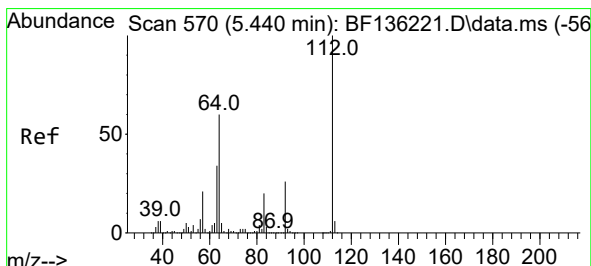
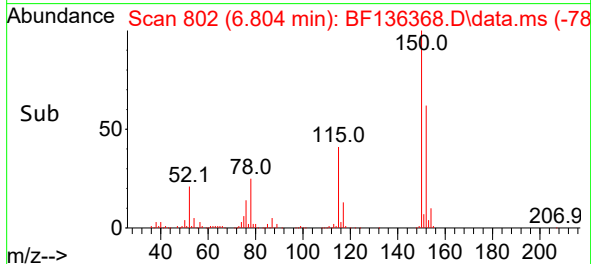
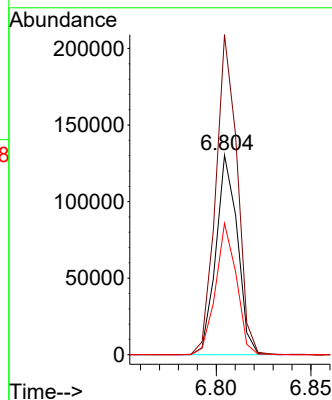
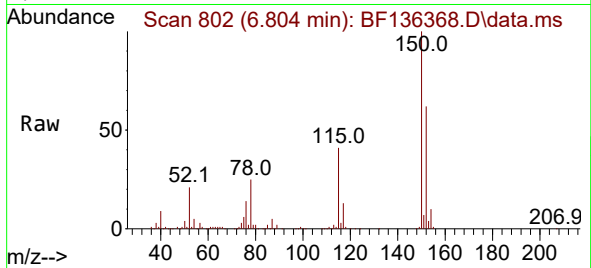




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

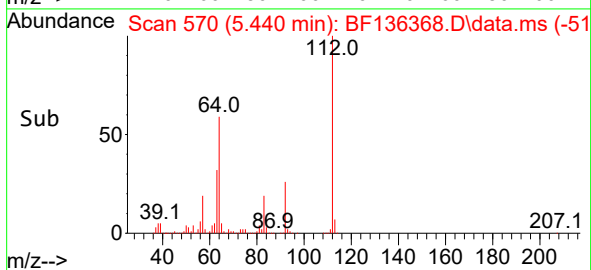
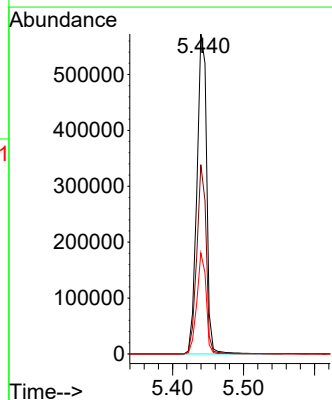
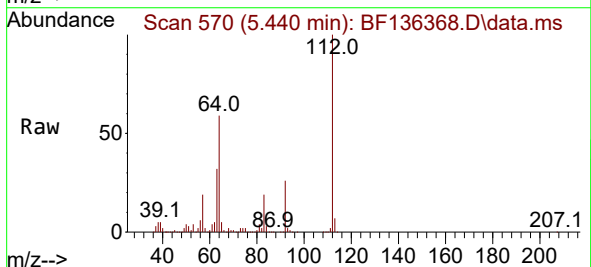
Instrument :
BNA_F
ClientSampleId :
72-12018

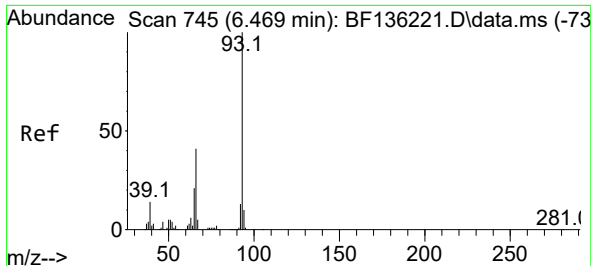
Tgt Ion:152 Resp: 102812
Ion Ratio Lower Upper
152 100
150 160.3 137.8 206.8
115 65.8 52.7 79.1



#5
2-Fluorophenol
Concen: 74.470 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

Tgt Ion:112 Resp: 550086
Ion Ratio Lower Upper
112 100
64 59.2 48.2 72.4
63 31.6 27.0 40.6





#6

Aniline

Concen: 5.431 ng

RT: 6.510 min Scan# 71

Delta R.T. 0.041 min

Lab File: BF136368.D

Acq: 02 Dec 2023 08:54

Instrument :

BNA_F

ClientSampleId :

72-12018

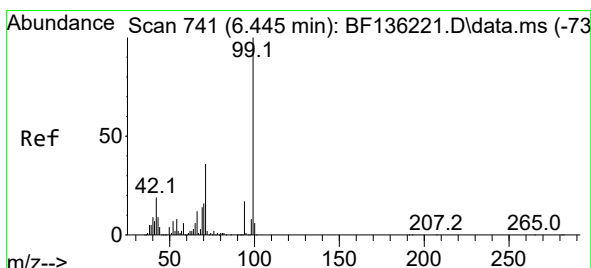
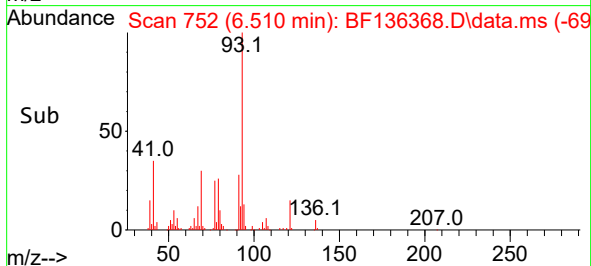
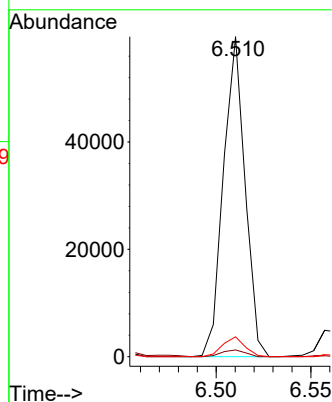
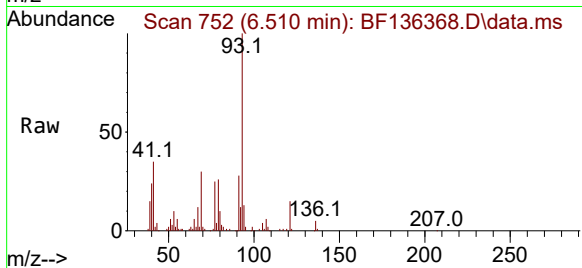
Tgt Ion: 93 Resp: 47411

Ion Ratio Lower Upper

93 100

66 2.1 34.1 51.1#

65 6.2 17.3 25.9#



#7

Phenol-d6

Concen: 68.405 ng

RT: 6.440 min Scan# 740

Delta R.T. -0.006 min

Lab File: BF136368.D

Acq: 02 Dec 2023 08:54

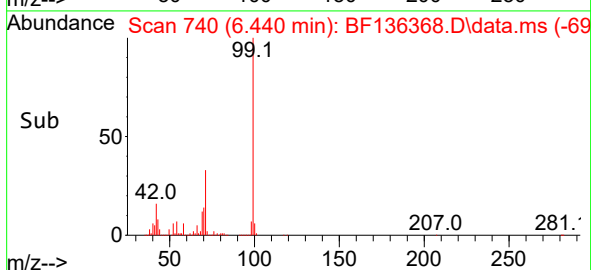
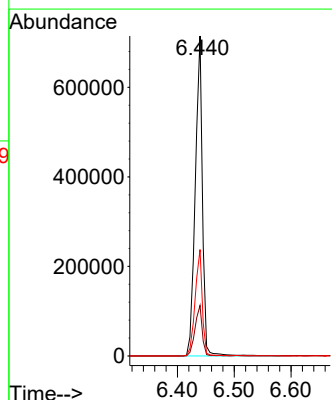
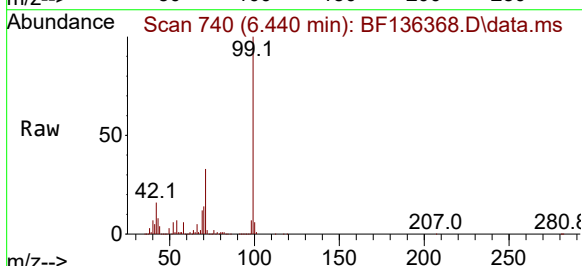
Tgt Ion: 99 Resp: 631799

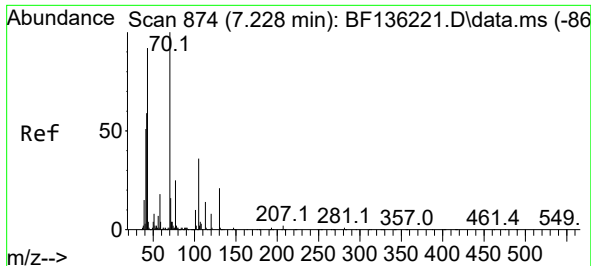
Ion Ratio Lower Upper

99 100

42 15.8 15.0 22.6

71 33.2 28.9 43.3

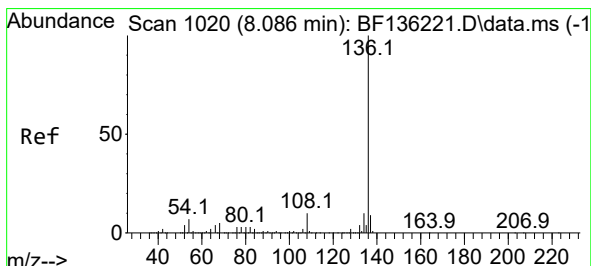
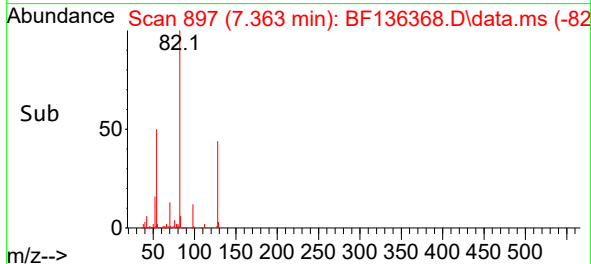
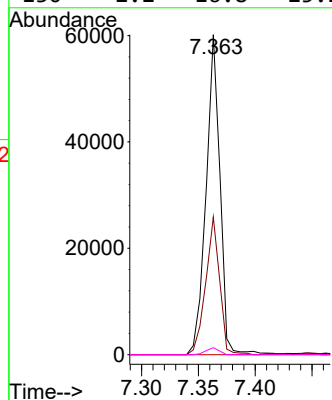
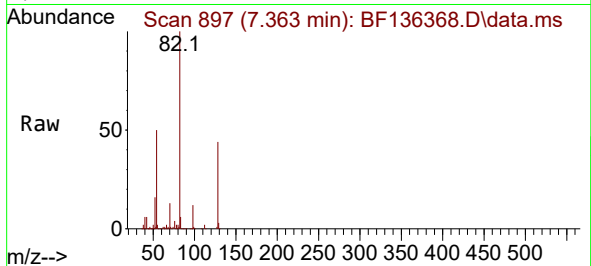




#19
n-Nitroso-di-n-propylamine
Concen: 9.256 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.135 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

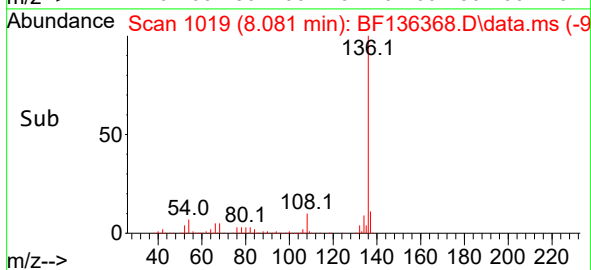
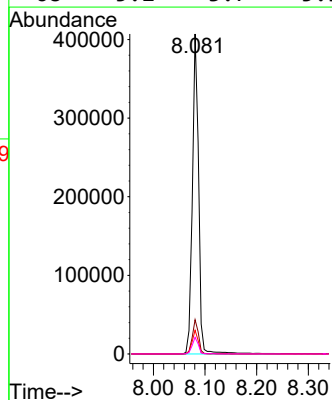
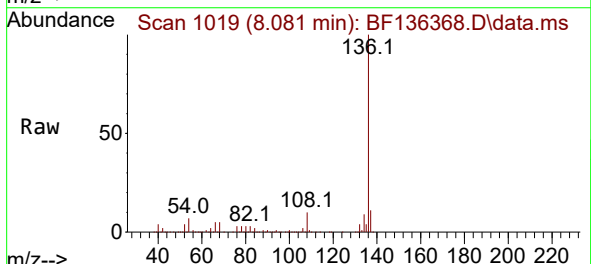
Instrument :
BNA_F
ClientSampleId :
72-12018

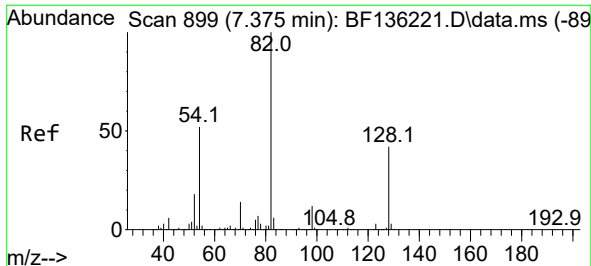
Tgt Ion:	70	Resp:	51132
Ion	Ratio	Lower	Upper
70	100		
42	43.1	47.0	70.4#
101	0.0	7.8	11.8#
130	2.2	16.8	25.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

Tgt Ion:	136	Resp:	340757
Ion	Ratio	Lower	Upper
136	100		
137	10.7	7.4	11.2
54	7.4	5.5	8.3
68	5.2	3.7	5.5





#23

Nitrobenzene-d5

Concen: 60.225 ng

RT: 7.363 min Scan# 897

Delta R.T. -0.012 min

Lab File: BF136368.D

Acq: 02 Dec 2023 08:54

Instrument :

BNA_F

ClientSampleId :

72-12018

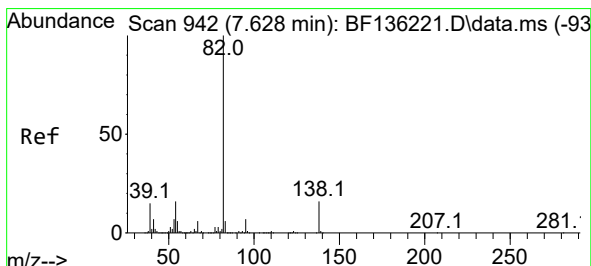
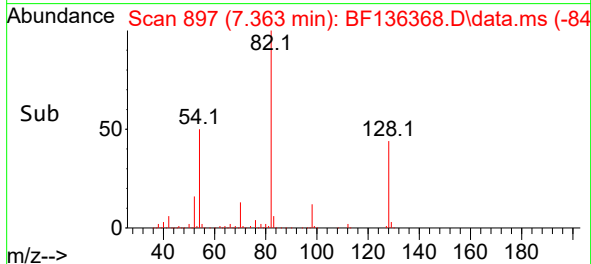
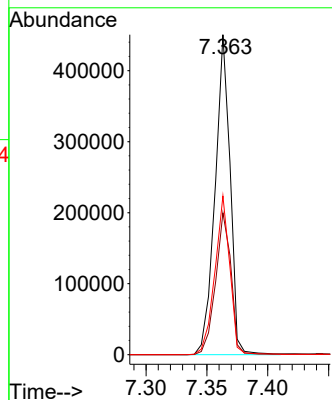
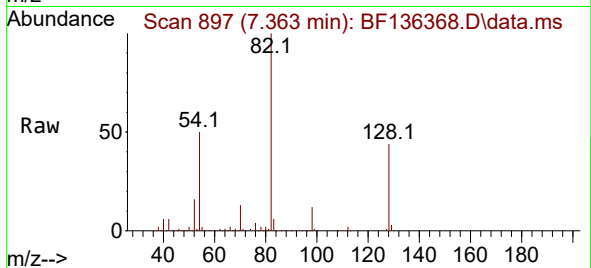
Tgt Ion: 82 Resp: 388357

Ion Ratio Lower Upper

82 100

128 44.4 33.4 50.2

54 49.6 41.7 62.5



#25

Isophorone

Concen: 33.399 ng

RT: 7.363 min Scan# 897

Delta R.T. -0.265 min

Lab File: BF136368.D

Acq: 02 Dec 2023 08:54

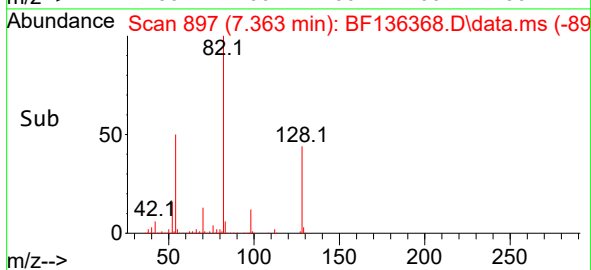
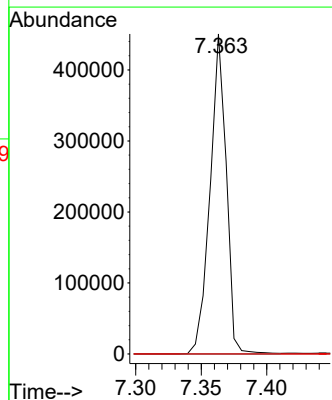
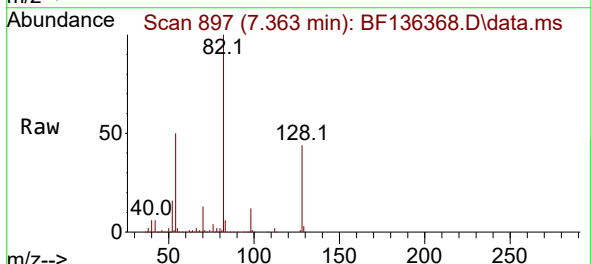
Tgt Ion: 82 Resp: 388351

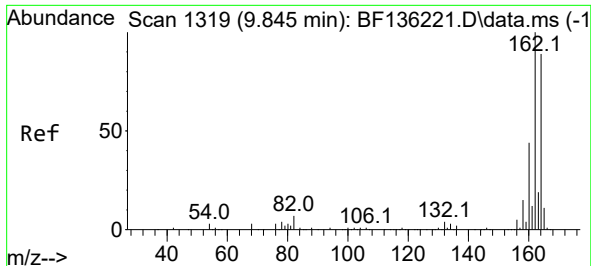
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 12.8 19.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1318

Delta R.T. -0.006 min

Lab File: BF136368.D

Acq: 02 Dec 2023 08:54

Instrument :

BNA_F

ClientSampleId :

72-12018

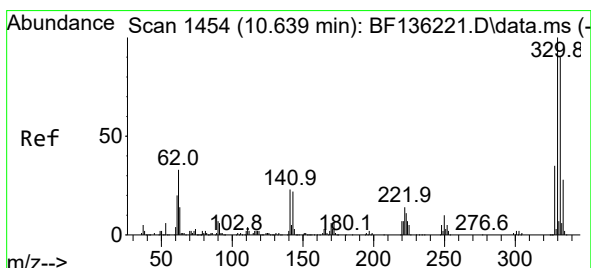
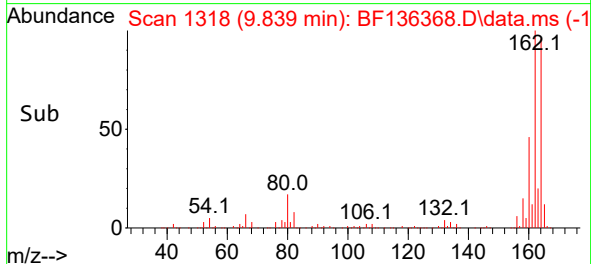
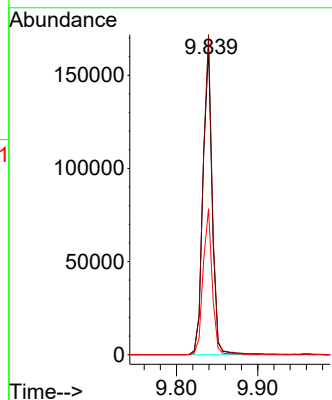
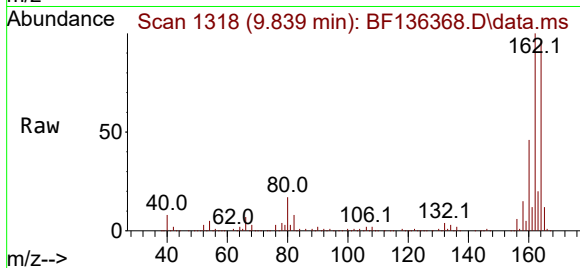
Tgt Ion:164 Resp: 130059

Ion Ratio Lower Upper

164 100

162 104.4 89.5 134.3

160 47.6 39.6 59.4



#42

2,4,6-Tribromophenol

Concen: 69.592 ng

RT: 10.628 min Scan# 1452

Delta R.T. -0.012 min

Lab File: BF136368.D

Acq: 02 Dec 2023 08:54

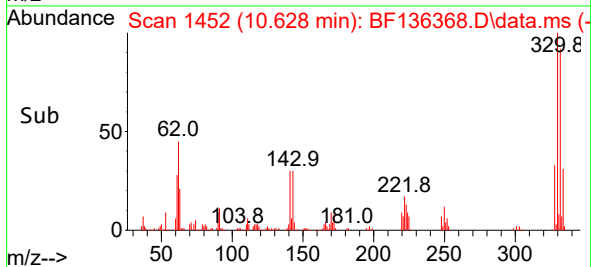
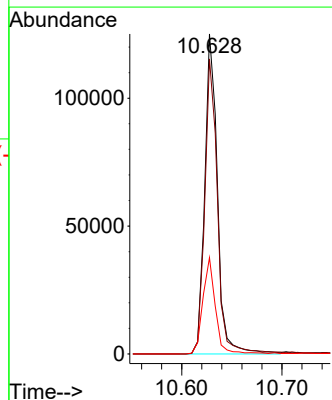
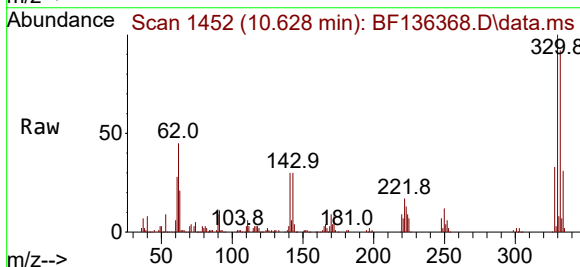
Tgt Ion:330 Resp: 110657

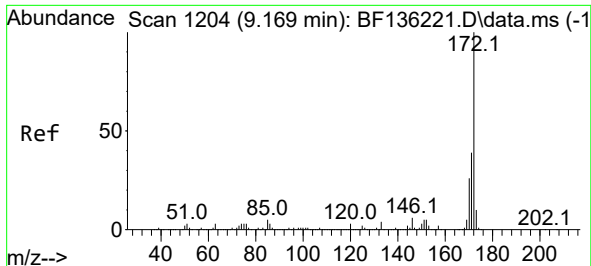
Ion Ratio Lower Upper

330 100

332 92.7 73.0 109.6

141 29.8 24.2 36.2

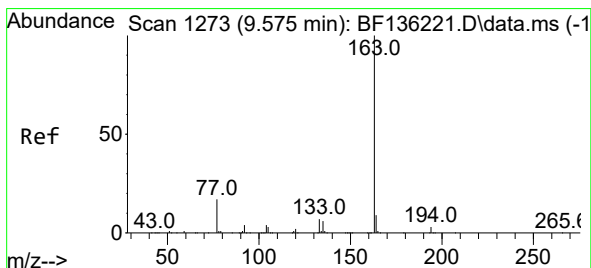
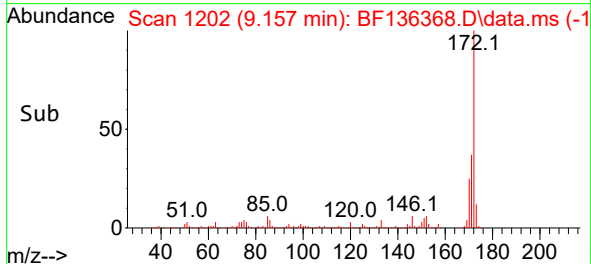
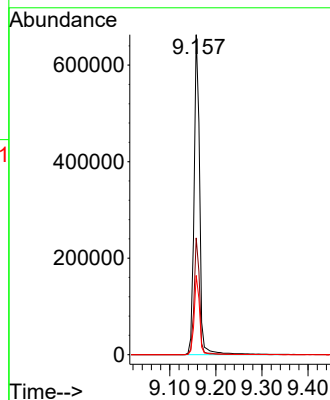
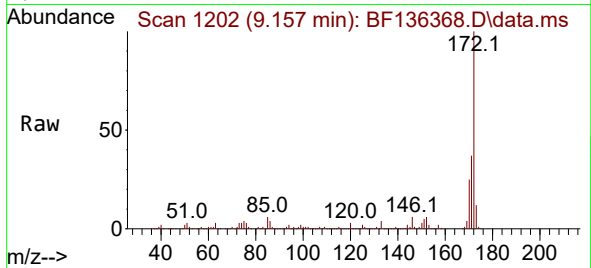




#45
 2-Fluorobiphenyl
 Concen: 54.754 ng
 RT: 9.157 min Scan# 1318
 Delta R.T. -0.012 min
 Lab File: BF136368.D
 Acq: 02 Dec 2023 08:54

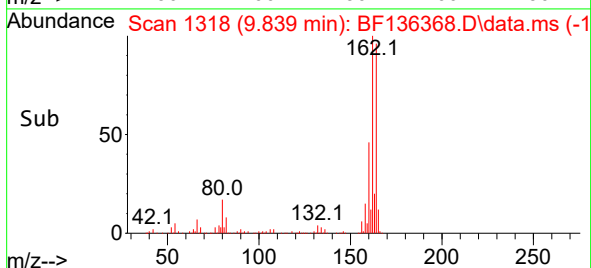
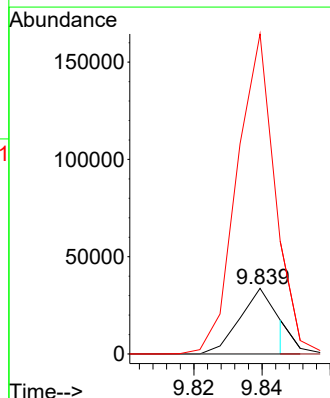
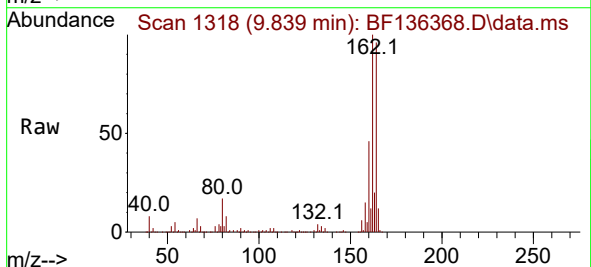
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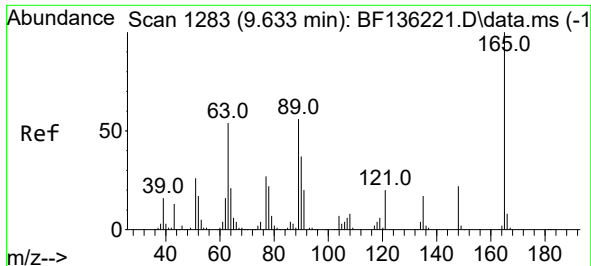
Tgt Ion:172 Resp: 557524
 Ion Ratio Lower Upper
 172 100
 171 36.5 31.5 47.3
 170 24.8 20.8 31.2



#50
 Dimethylphthalate
 Concen: 2.649 ng
 RT: 9.839 min Scan# 1318
 Delta R.T. 0.265 min
 Lab File: BF136368.D
 Acq: 02 Dec 2023 08:54

Tgt Ion:163 Resp: 26041
 Ion Ratio Lower Upper
 163 100
 194 0.0 2.5 3.7#
 164 488.0 7.0 10.6#

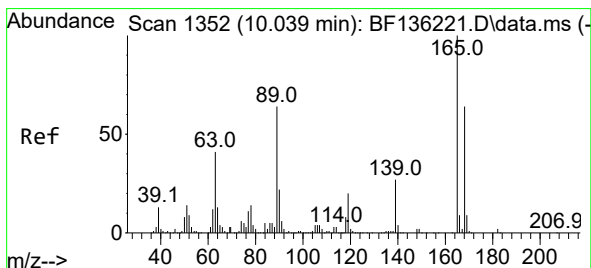
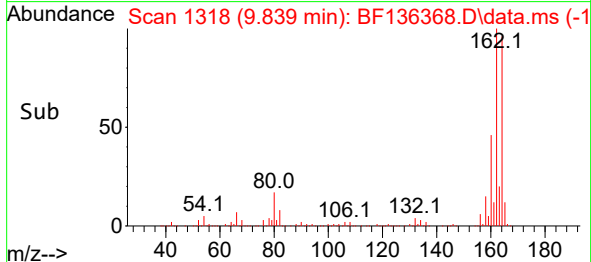
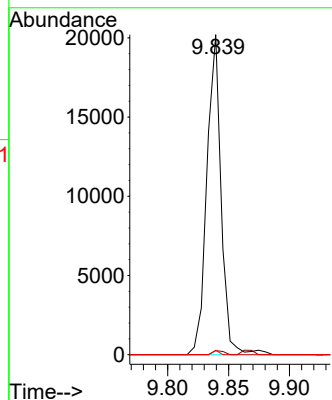
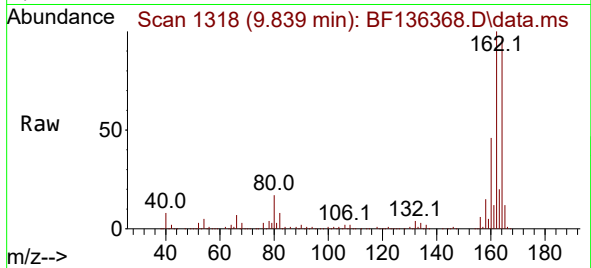




#51
2,6-Dinitrotoluene
Concen: 8.167 ng
RT: 9.839 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

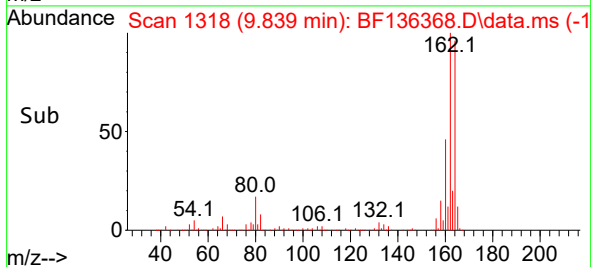
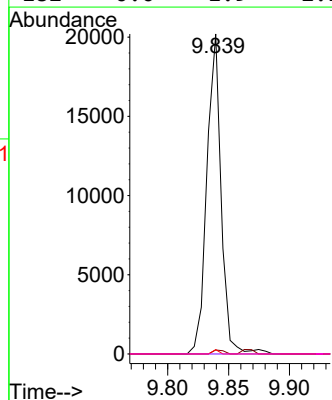
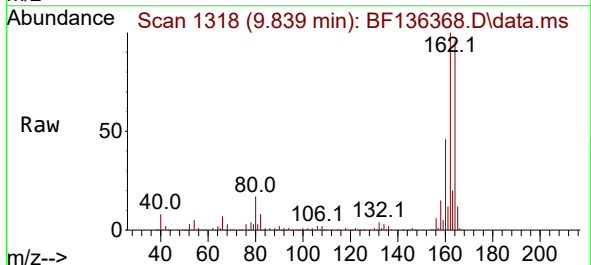
Instrument :
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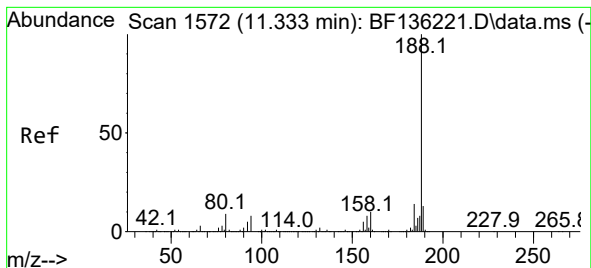
Tgt Ion:165 Resp: 16402
Ion Ratio Lower Upper
165 100
63 1.2 46.2 69.2#
89 1.3 44.9 67.3#



#57
2,4-Dinitrotoluene
Concen: 6.114 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.200 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

Tgt Ion:165 Resp: 16402
Ion Ratio Lower Upper
165 100
63 1.2 33.0 49.4#
89 1.3 51.5 77.3#
182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.328 min Scan# 1

Delta R.T. -0.005 min

Lab File: BF136368.D

Acq: 02 Dec 2023 08:54

Instrument :

BNA_F

ClientSampleId :

72-12018

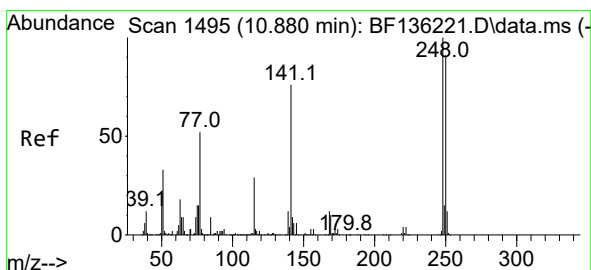
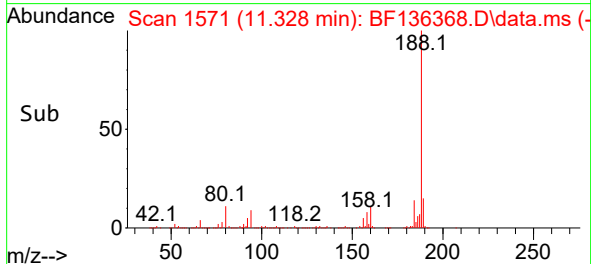
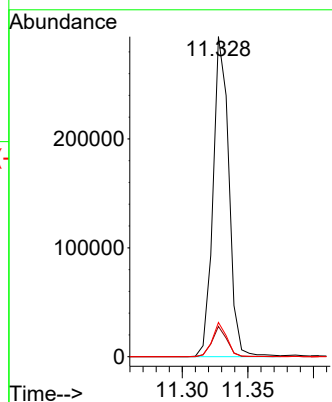
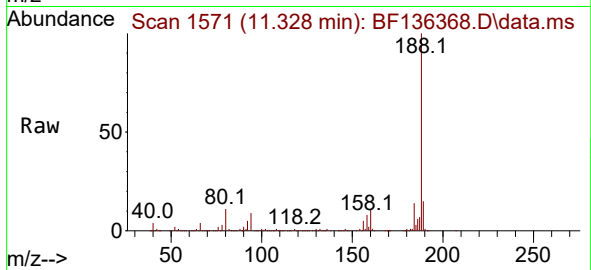
Tgt Ion:188 Resp: 246926

Ion Ratio Lower Upper

188 100

94 9.5 6.7 10.1

80 10.7 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 2.417 ng

RT: 10.628 min Scan# 1452

Delta R.T. -0.253 min

Lab File: BF136368.D

Acq: 02 Dec 2023 08:54

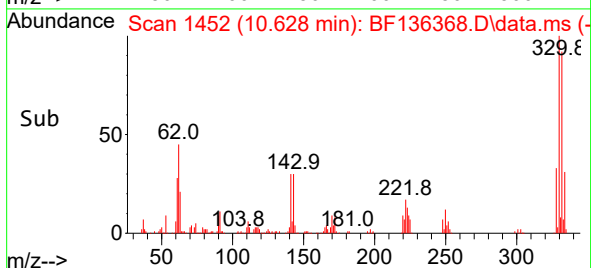
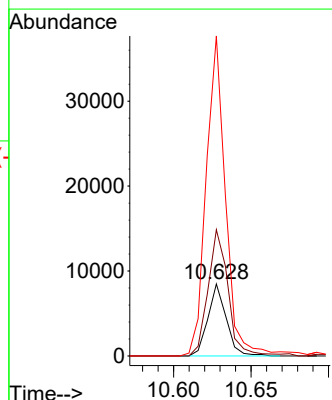
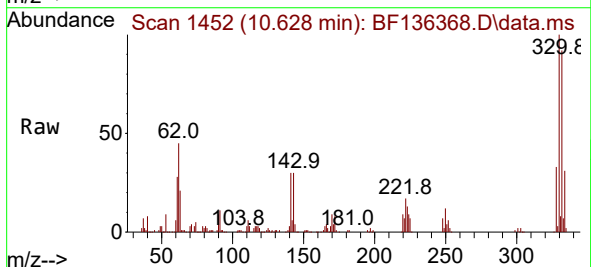
Tgt Ion:248 Resp: 6963

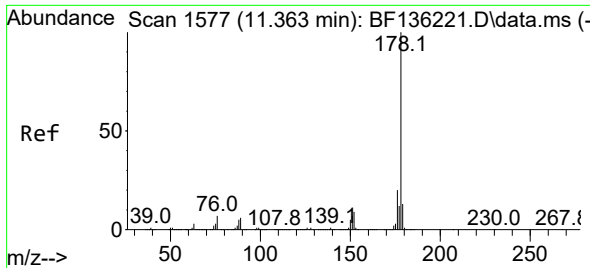
Ion Ratio Lower Upper

248 100

250 175.4 72.5 108.7#

141 444.5 60.8 91.2#

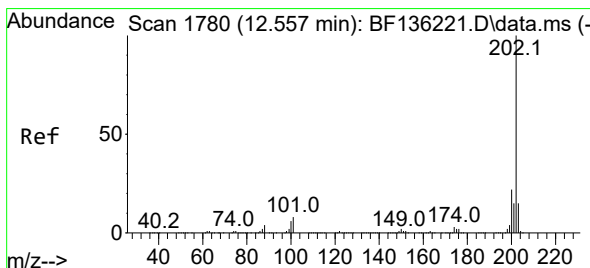
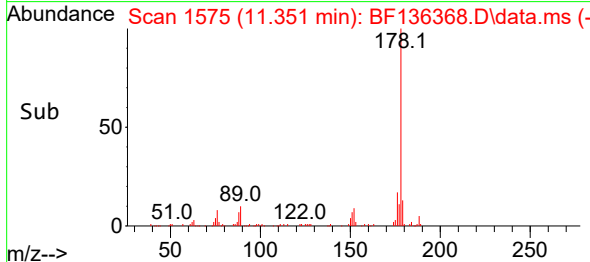
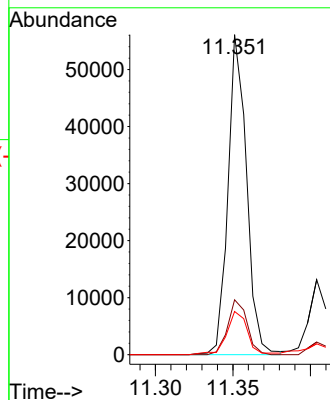
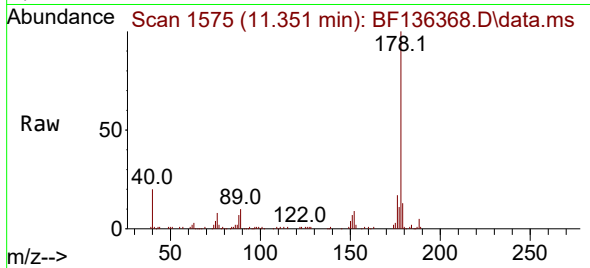




#71
Phenanthrene
Concen: 3.369 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

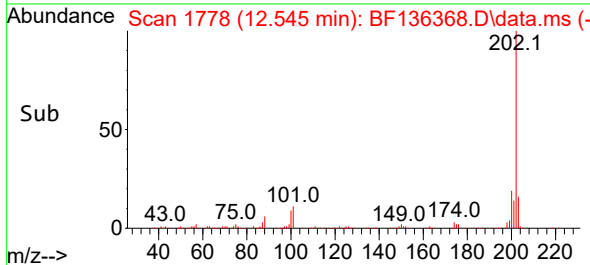
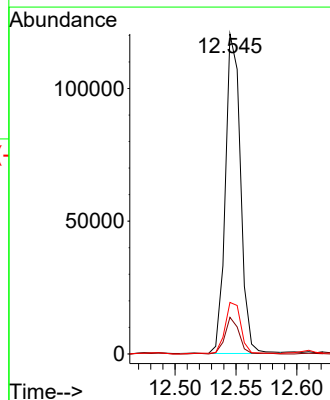
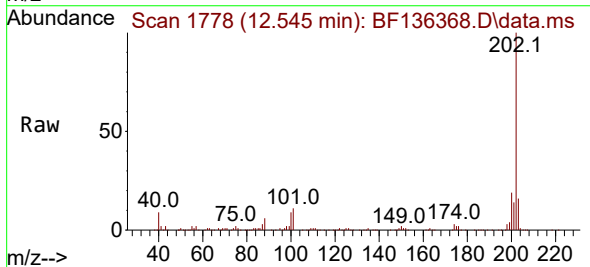
Instrument :
BNA_F
ClientSampleId :
72-12018

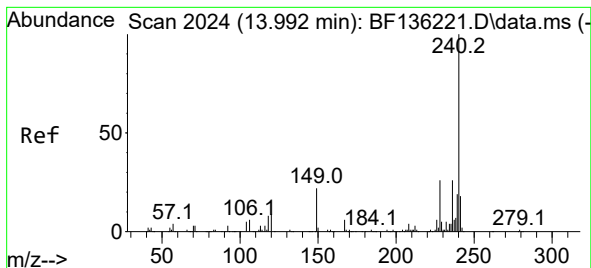
Tgt Ion:178 Resp: 46752
Ion Ratio Lower Upper
178 100
176 17.1 16.2 24.2
179 13.5 10.3 15.5



#75
Fluoranthene
Concen: 7.385 ng
RT: 12.545 min Scan# 1778
Delta R.T. -0.012 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

Tgt Ion:202 Resp: 104043
Ion Ratio Lower Upper
202 100
101 11.5 0.0 27.8
203 16.1 0.0 34.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136368.D

Acq: 02 Dec 2023 08:54

Instrument :

BNA_F

ClientSampleId :

72-12018

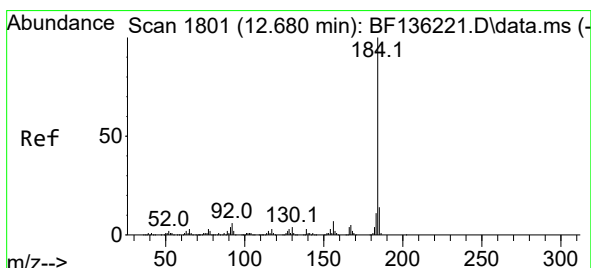
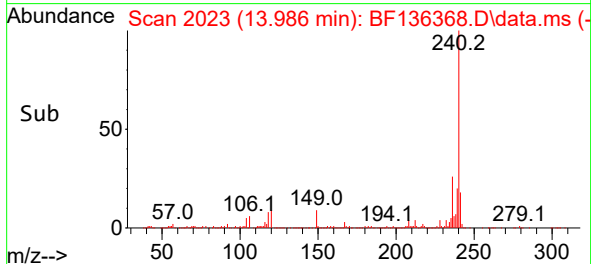
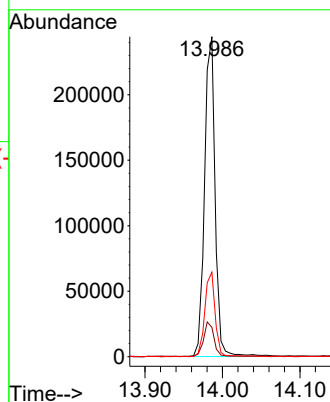
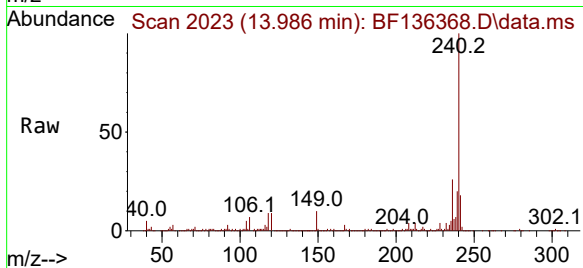
Tgt Ion:240 Resp: 231658

Ion Ratio Lower Upper

240 100

120 9.2 7.4 11.2

236 26.4 21.1 31.7



#77

Benzidine

Concen: 2.083 ng

RT: 12.927 min Scan# 1843

Delta R.T. 0.247 min

Lab File: BF136368.D

Acq: 02 Dec 2023 08:54

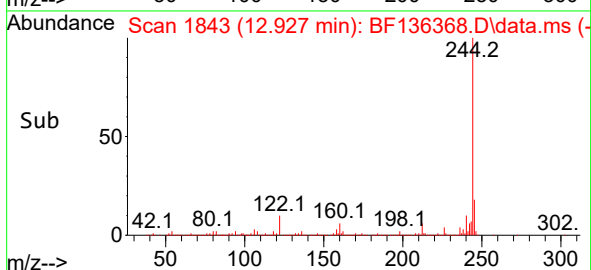
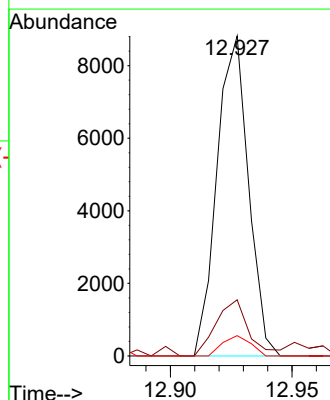
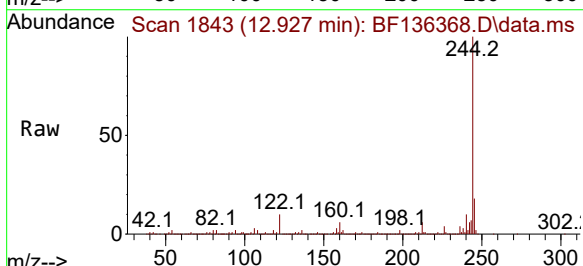
Tgt Ion:184 Resp: 7931

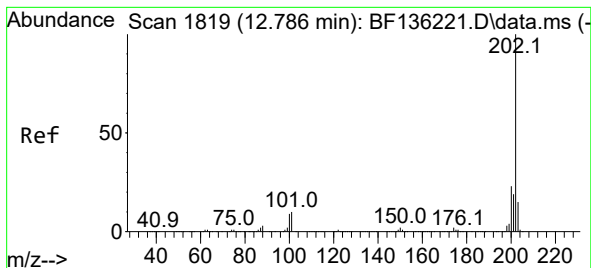
Ion Ratio Lower Upper

184 100

185 17.5 11.0 16.6#

183 6.3 9.0 13.4#





#78

Pyrene

Concen: 4.101 ng

RT: 12.545 min Scan# 11

Delta R.T. -0.241 min

Lab File: BF136368.D

Acq: 02 Dec 2023 08:54

Instrument :

BNA_F

ClientSampleId :

72-12018

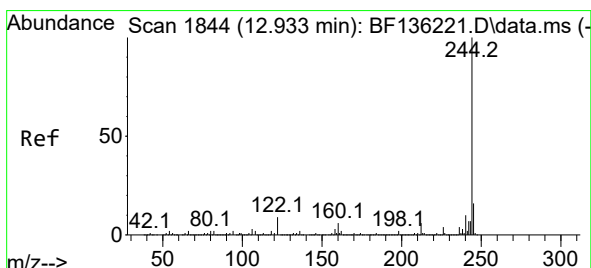
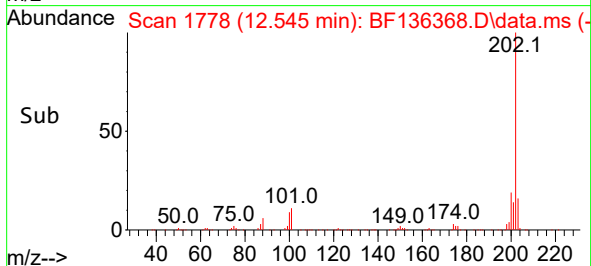
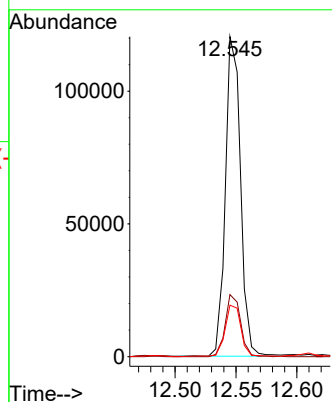
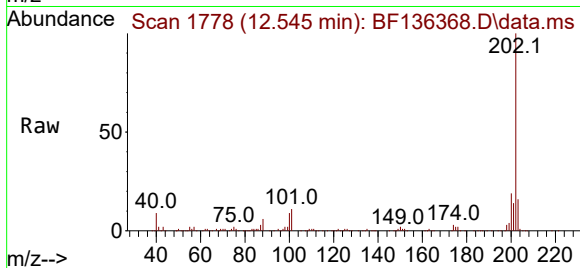
Tgt Ion:202 Resp: 104043

Ion Ratio Lower Upper

202 100

200 19.4 18.4 27.6

203 16.1 11.8 17.6



#79

Terphenyl-d14

Concen: 32.537 ng

RT: 12.927 min Scan# 1843

Delta R.T. -0.006 min

Lab File: BF136368.D

Acq: 02 Dec 2023 08:54

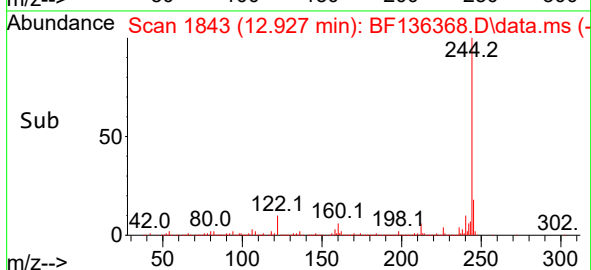
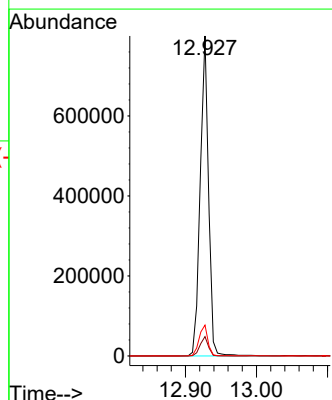
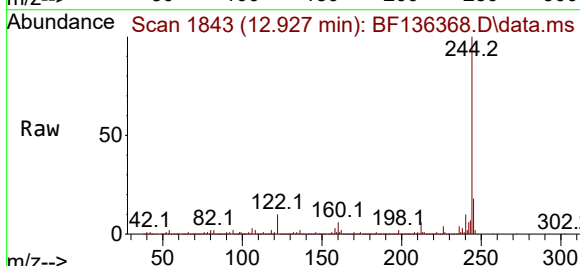
Tgt Ion:244 Resp: 653441

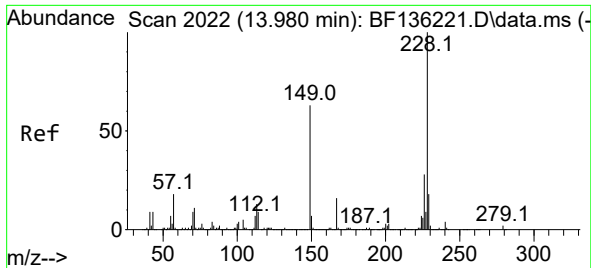
Ion Ratio Lower Upper

244 100

212 6.1 4.6 7.0

122 9.7 7.3 10.9

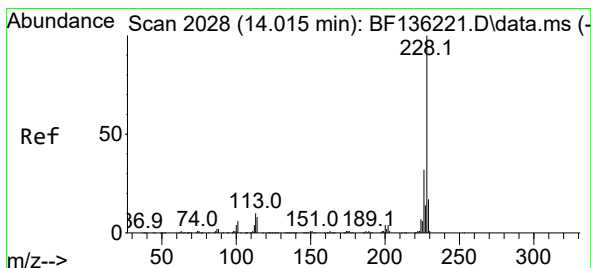
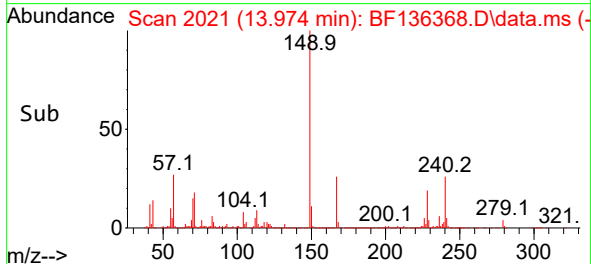
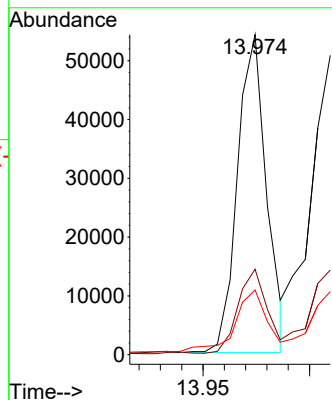
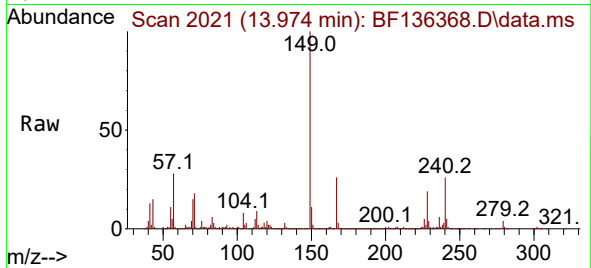




#81
Benzo(a)anthracene
Concen: 2.985 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

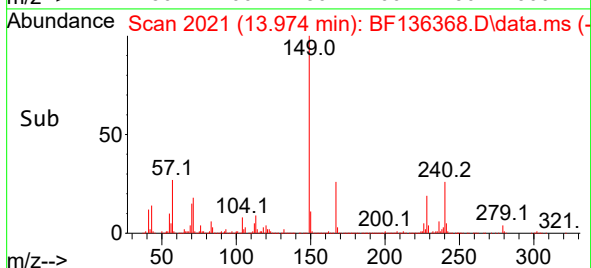
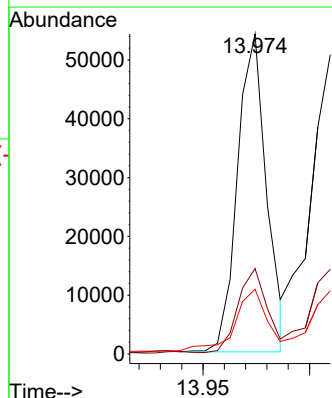
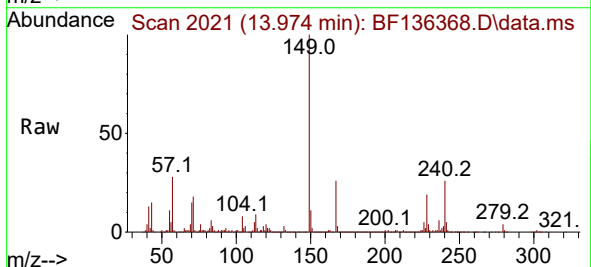
Instrument :
BNA_F
ClientSampleId :
72-12018

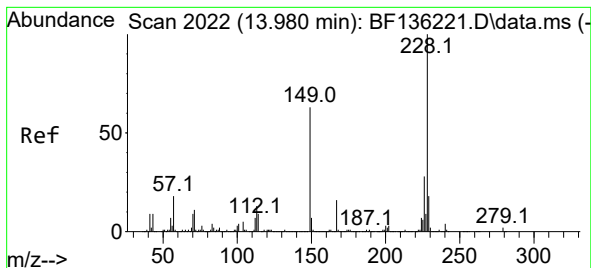
Tgt Ion:228 Resp: 51354
Ion Ratio Lower Upper
228 100
226 26.7 22.6 34.0
229 20.2 14.0 21.0



#83
Chrysene
Concen: 3.091 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.041 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

Tgt Ion:228 Resp: 51354
Ion Ratio Lower Upper
228 100
226 26.7 25.5 38.3
229 20.2 13.9 20.9

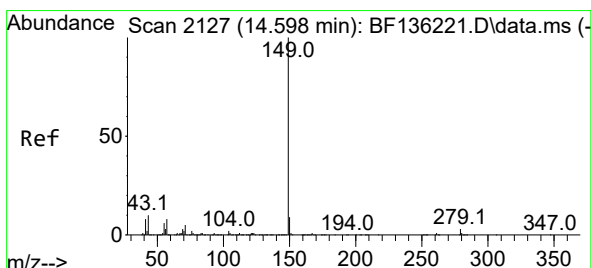
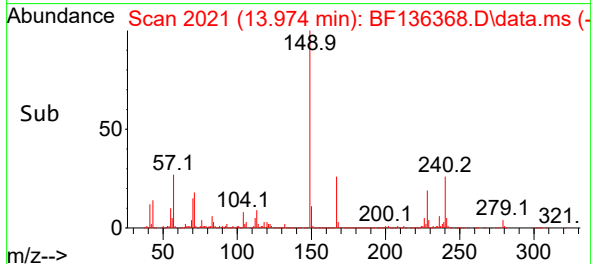
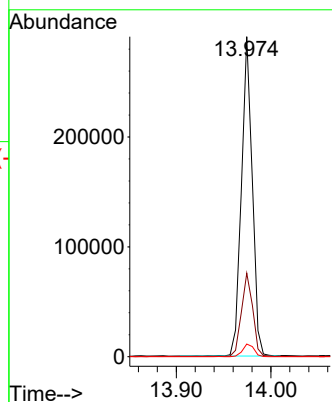
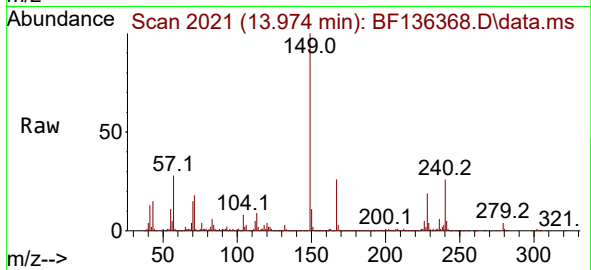




#84
Bis(2-ethylhexyl)phthalate
Concen: 24.206 ng
RT: 13.974 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

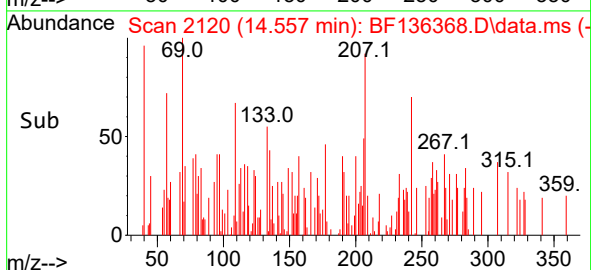
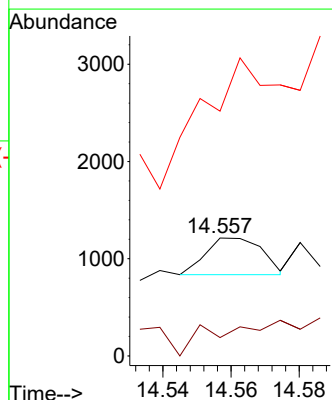
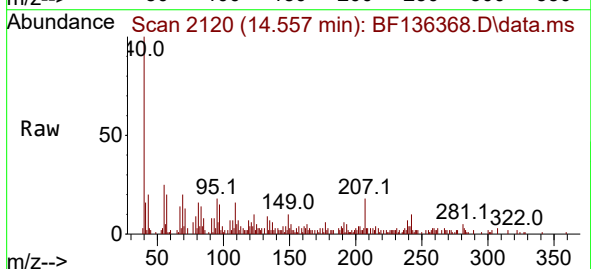
Instrument :
BNA_F
ClientSampleId :
72-12018

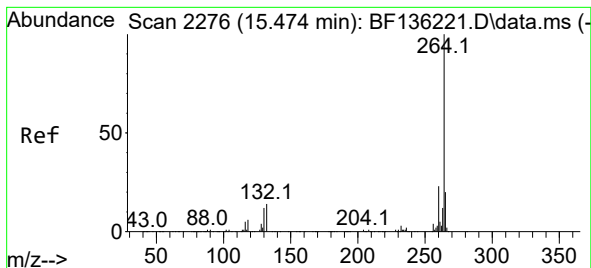
Tgt Ion:149 Resp: 229376
Ion Ratio Lower Upper
149 100
167 26.1 20.2 30.2
279 3.9 2.4 3.6#



#85
Di-n-octyl phthalate
Concen: 5.188 ng
RT: 14.557 min Scan# 2120
Delta R.T. -0.041 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

Tgt Ion:149 Resp: 433
Ion Ratio Lower Upper
149 100
167 0.0 1.0 1.6#
43 550.8 7.2 10.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136368.D

Acq: 02 Dec 2023 08:54

Instrument :

BNA_F

ClientSampleId :

72-12018

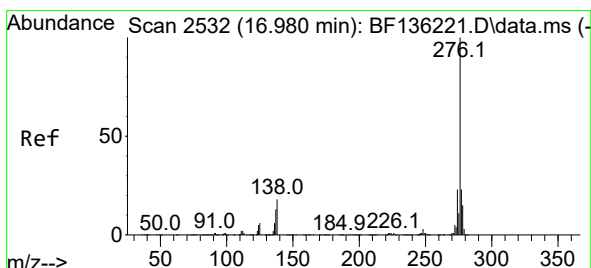
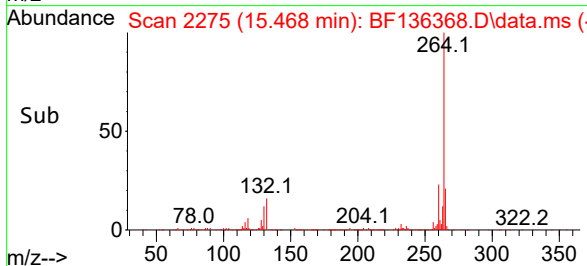
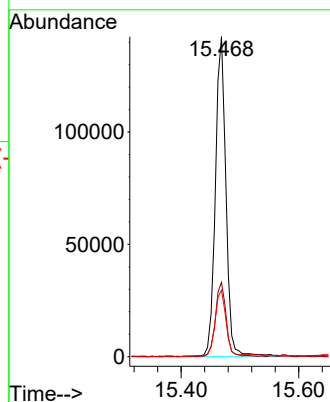
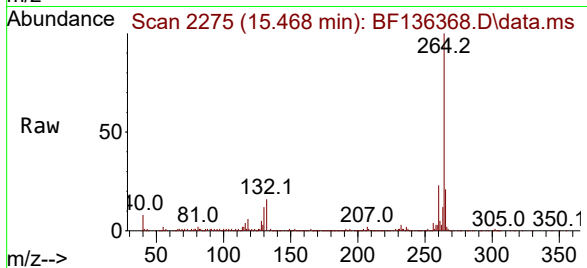
Tgt Ion:264 Resp: 178615

Ion Ratio Lower Upper

264 100

260 23.3 18.6 27.8

265 20.8 15.7 23.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.808 ng

RT: 16.962 min Scan# 2529

Delta R.T. -0.018 min

Lab File: BF136368.D

Acq: 02 Dec 2023 08:54

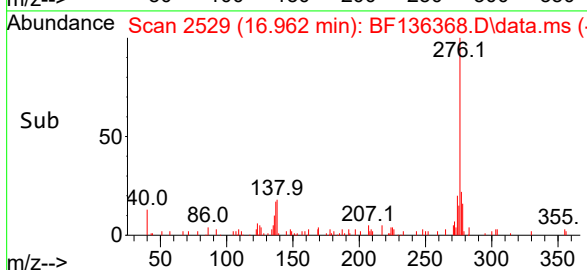
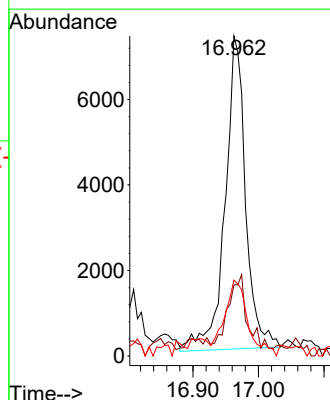
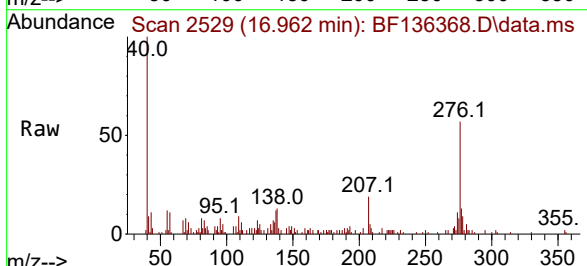
Tgt Ion:276 Resp: 15968

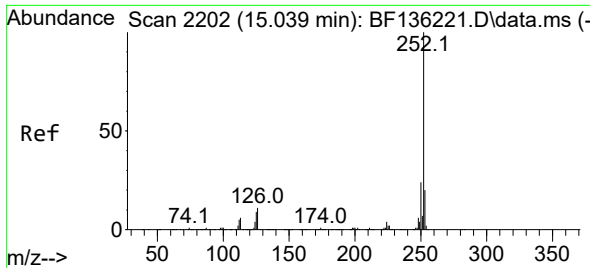
Ion Ratio Lower Upper

276 100

138 22.8 17.7 26.5

277 27.4 19.6 29.4

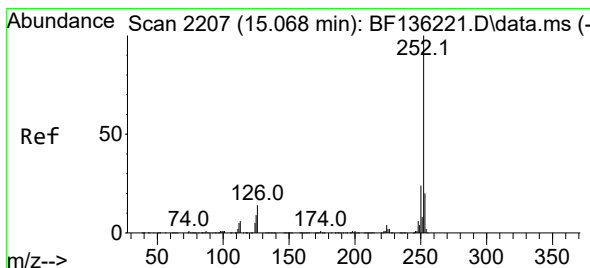
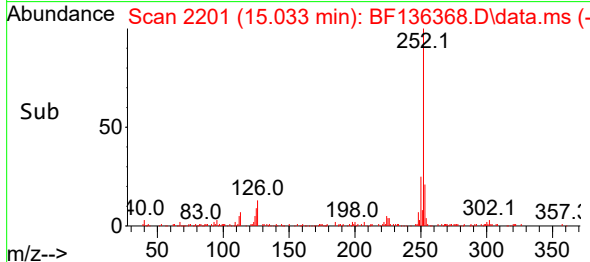
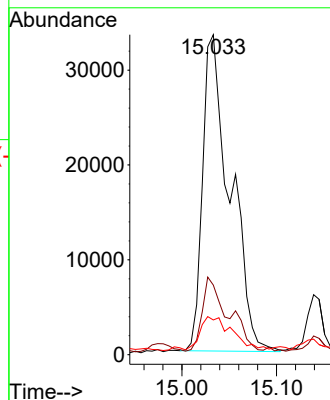
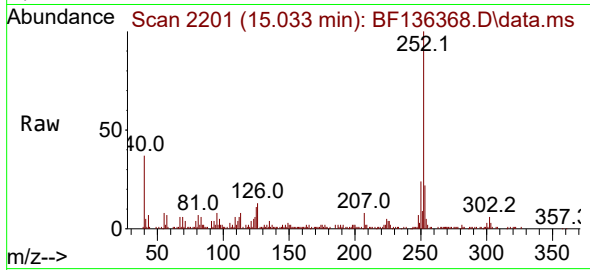




#88
Benzo(b)fluoranthene
Concen: 5.382 ng
RT: 15.033 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

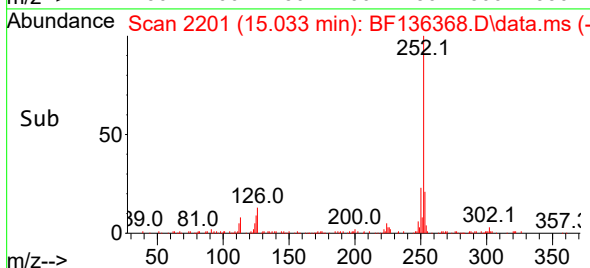
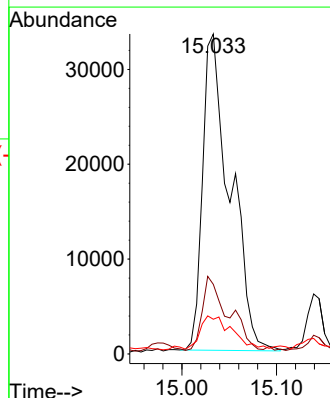
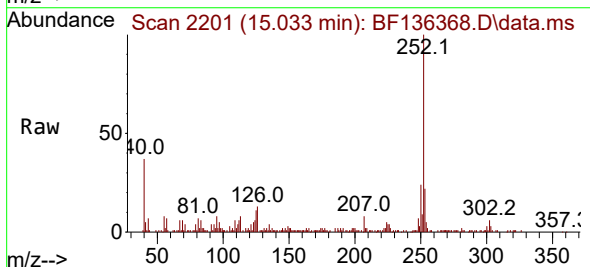
Instrument :
BNA_F
ClientSampleId :
72-12018

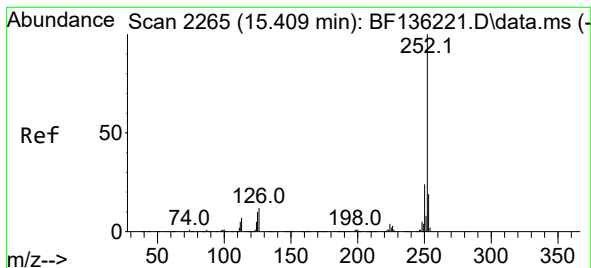
Tgt Ion:252 Resp: 67440
Ion Ratio Lower Upper
252 100
253 21.8 16.2 24.2
125 10.8 6.9 10.3#



#89
Benzo(k)fluoranthene
Concen: 5.666 ng
RT: 15.033 min Scan# 2201
Delta R.T. -0.035 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

Tgt Ion:252 Resp: 67440
Ion Ratio Lower Upper
252 100
253 21.8 15.6 23.4
125 10.8 7.0 10.4#





#90

Benzo(a)pyrene

Concen: 2.909 ng

RT: 15.404 min Scan# 21

Delta R.T. -0.005 min

Lab File: BF136368.D

Acq: 02 Dec 2023 08:54

Instrument :

BNA_F

ClientSampleId :

72-12018

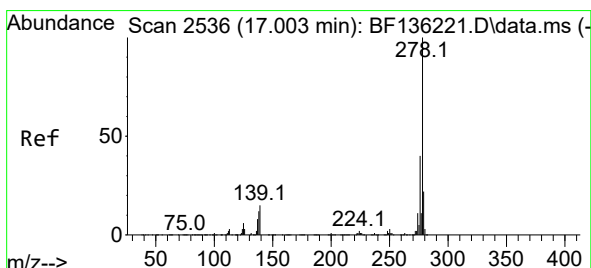
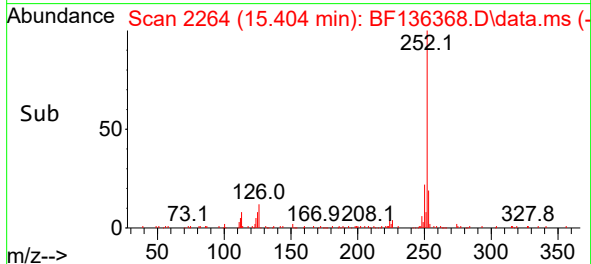
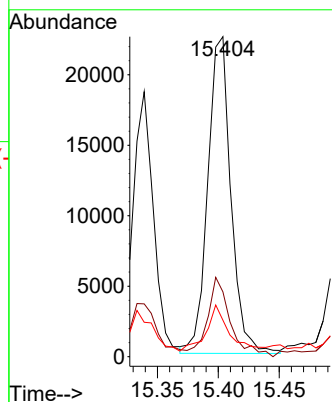
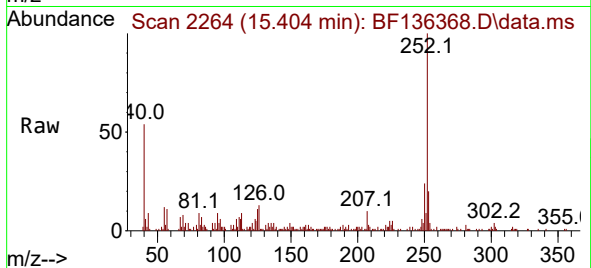
Tgt Ion:252 Resp: 29803

Ion Ratio Lower Upper

252 100

253 20.3 15.5 23.3

125 11.4 7.9 11.9



#91

Dibenzo(a,h)anthracene

Concen: 3.174 ng

RT: 16.986 min Scan# 2533

Delta R.T. -0.017 min

Lab File: BF136368.D

Acq: 02 Dec 2023 08:54

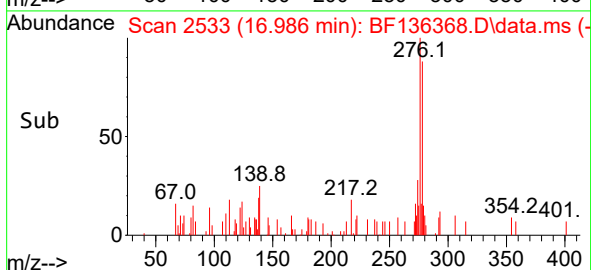
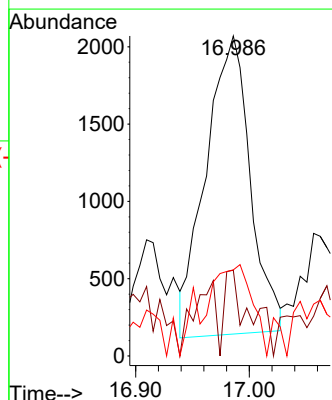
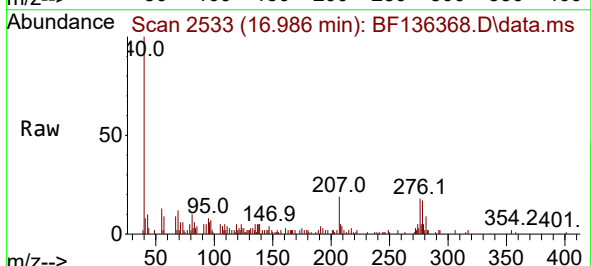
Tgt Ion:278 Resp: 5236

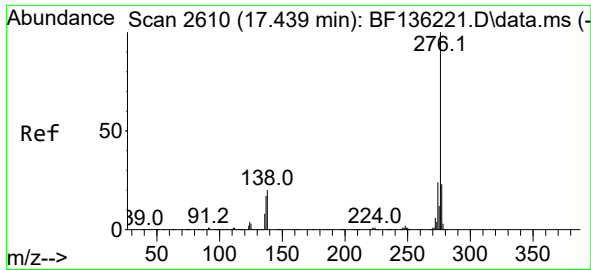
Ion Ratio Lower Upper

278 100

139 26.8 11.7 17.5#

279 26.9 17.8 26.8#





#92
 Benzo(g,h,i)perylene
 Concen: 3.213 ng
 RT: 17.427 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF136368.D
 Acq: 02 Dec 2023 08:54

Instrument :
 BNA_F
 ClientSampleId :
 72-12018

Tgt Ion:	276	Resp:	14696
Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.6	27.8
138	21.1	15.8	23.8

