

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120423\
 Data File : BF136388.D
 Acq On : 04 Dec 2023 18:31
 Operator : CG\JU
 Sample : 05434-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 05 00:35:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:30:53 2023
 Response via : Initial Calibration

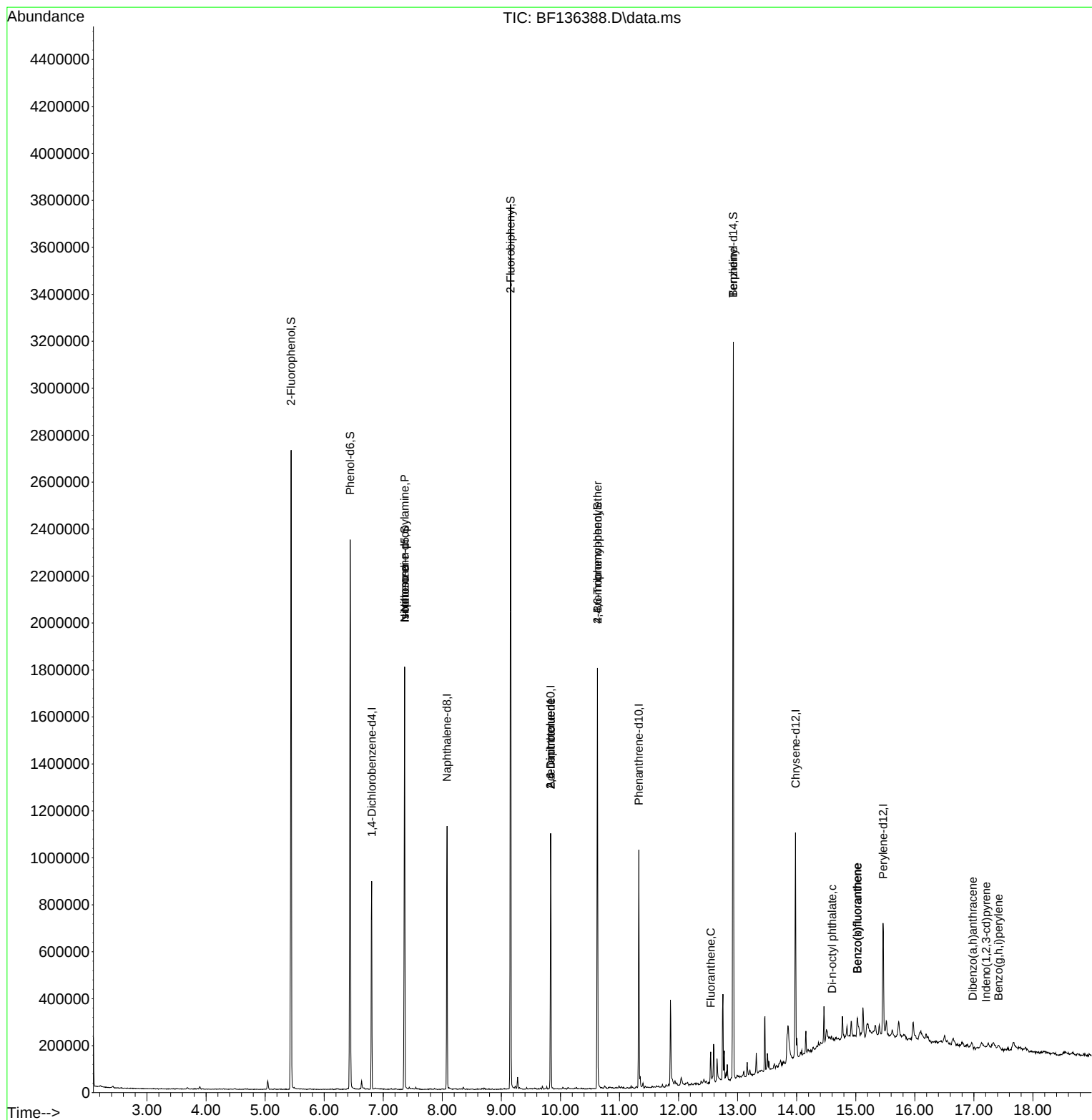
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	122695	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	459547	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	207173	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	342277	20.000	ng	0.00
76) Chrysene-d12	13.980	240	292631	20.000	ng	0.00
86) Perylene-d12	15.462	264	230997	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	741878	84.159	ng	0.00
7) Phenol-d6	6.440	99	903402	81.961	ng	0.00
23) Nitrobenzene-d5	7.363	82	543724	62.523	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	210846	83.244	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1079979	66.585	ng	0.00
79) Terphenyl-d14	12.927	244	1120646	44.173	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.363	70	70328	10.668	ng	# 73
25) Isophorone	7.363	82	538435	34.337	ng	# 68
51) 2,6-Dinitrotoluene	9.833	165	25762	8.053	ng	# 25
57) 2,4-Dinitrotoluene	9.833	165	25762	6.029	ng	# 28
67) 4-Bromophenyl-phenylether	10.627	248	12993	3.254	ng	# 1
75) Fluoranthene	12.545	202	49745	2.547	ng	# 91
77) Benzidine	12.927	184	12645	2.629	ng	# 94
85) Di-n-octyl phthalate	14.598	149	464	5.184	ng	# 1
87) Indeno(1,2,3-cd)pyrene	17.209	276	939	2.731	ng	# 92
88) Benzo(b)fluoranthene	15.027	252	51075	3.152	ng	# 79
89) Benzo(k)fluoranthene	15.027	252	51075	3.318	ng	# 78
91) Dibenzo(a,h)anthracene	16.980	278	3763	2.970	ng	# 27
92) Benzo(g,h,i)perylene	17.415	276	13518	2.834	ng	# 89

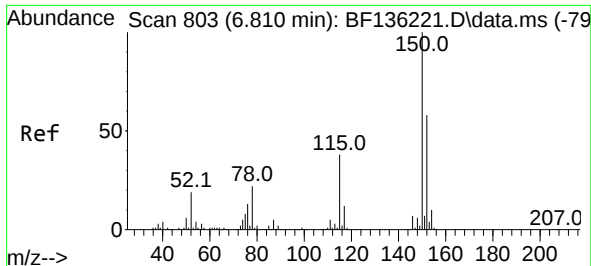
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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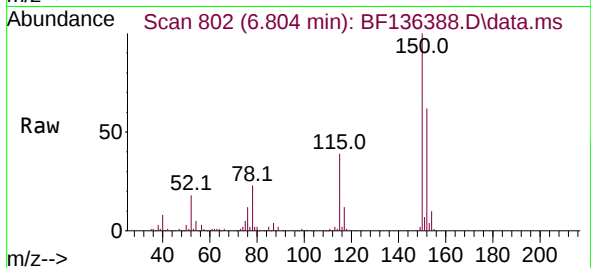
Quant Time: Dec 05 00:35:34 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
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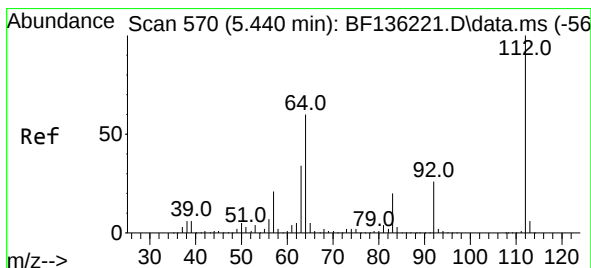
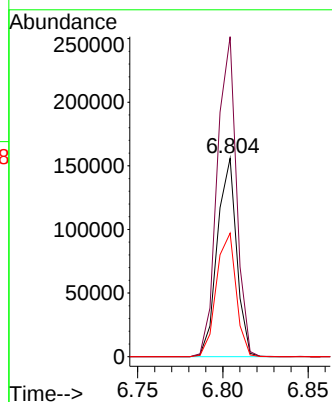
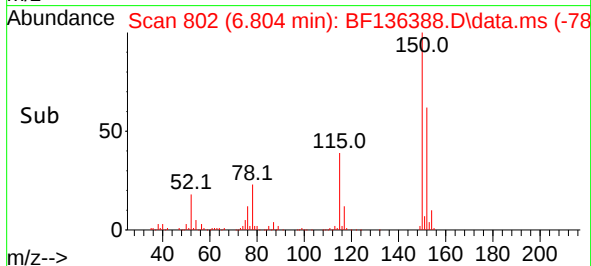


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. 0.000 min
Lab File: BF136388.D
Acq: 04 Dec 2023 18:31

Instrument :
BNA_F
ClientSampleId :

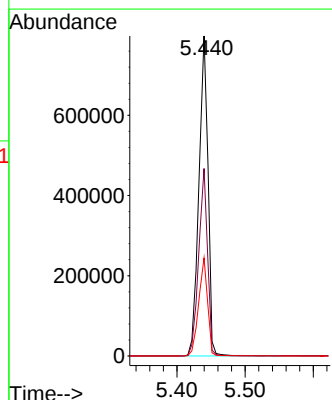
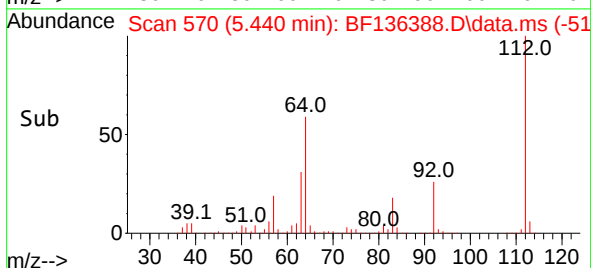
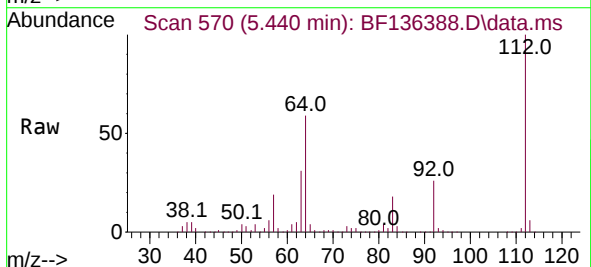


Tgt Ion:152 Resp: 122695
Ion Ratio Lower Upper
152 100
150 161.3 137.8 206.8
115 62.3 52.7 79.1



#5
2-Fluorophenol
Concen: 84.159 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF136388.D
Acq: 04 Dec 2023 18:31

Tgt Ion:112 Resp: 741878
Ion Ratio Lower Upper
112 100
64 58.6 48.2 72.4
63 30.7 27.0 40.6

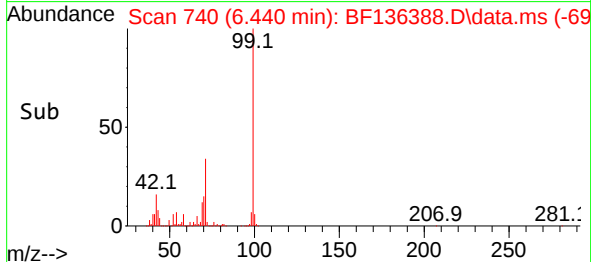
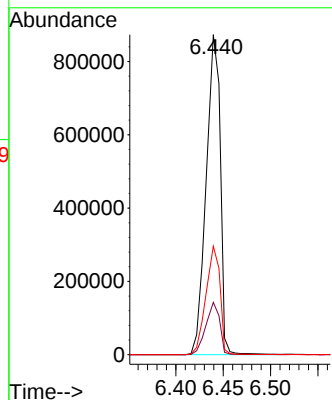
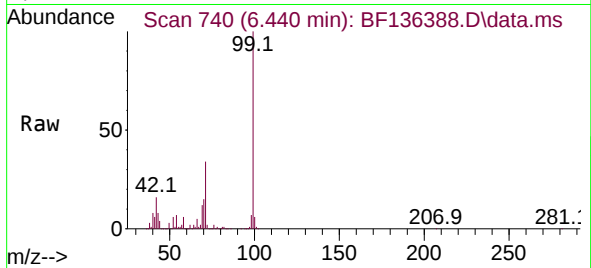




#7
Phenol-d6
Concen: 81.961 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136388.D
Acq: 04 Dec 2023 18:31

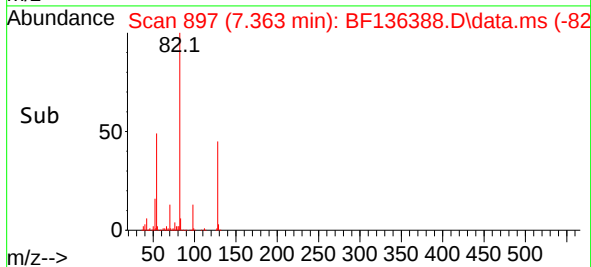
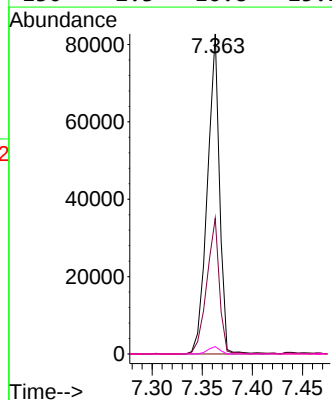
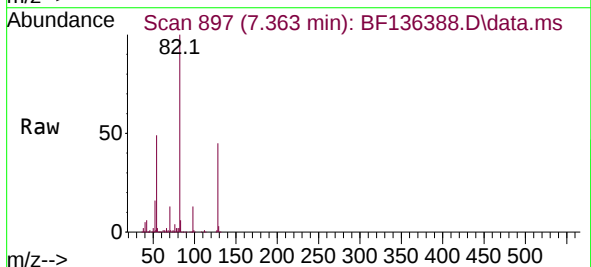
Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 903402
Ion Ratio Lower Upper
99 100
42 16.4 15.0 22.6
71 33.9 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 10.668 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.141 min
Lab File: BF136388.D
Acq: 04 Dec 2023 18:31

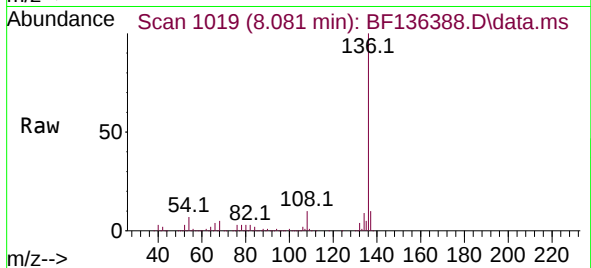
Tgt Ion: 70 Resp: 70328
Ion Ratio Lower Upper
70 100
42 42.4 47.0 70.4#
101 0.0 7.8 11.8#
130 2.3 16.8 25.2#



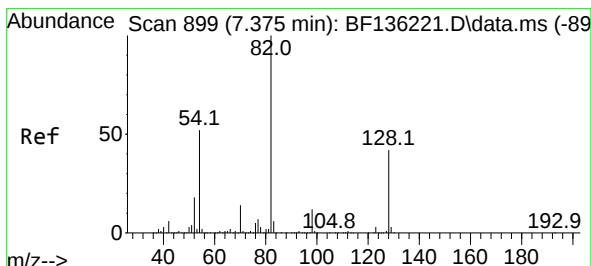
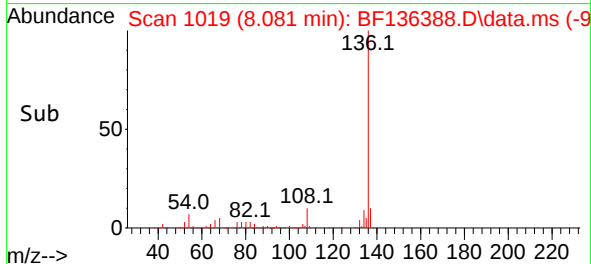
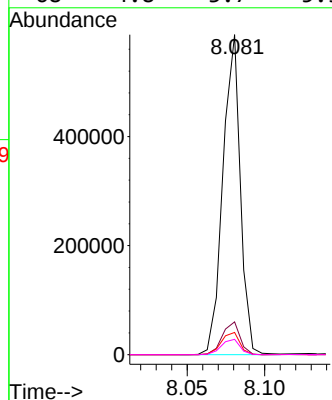


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF136388.D
Acq: 04 Dec 2023 18:31

Instrument :
BNA_F
ClientSampleId :

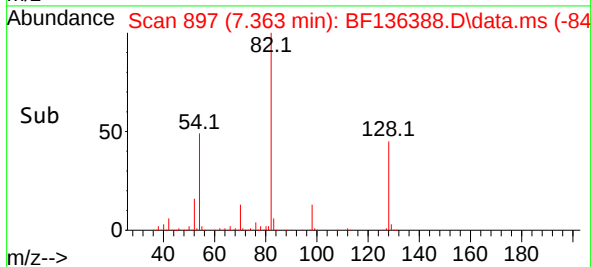
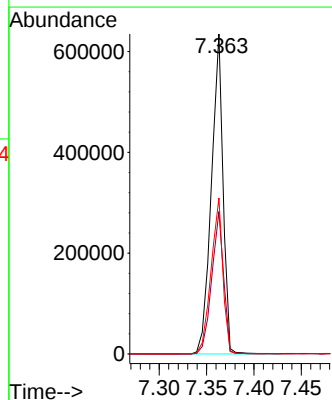
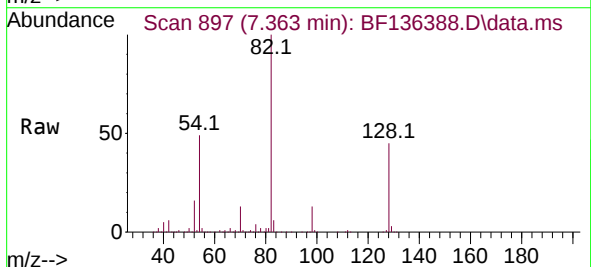


Tgt Ion:136 Resp: 459547
Ion Ratio Lower Upper
136 100
137 10.2 7.4 11.2
54 6.9 5.5 8.3
68 4.8 3.7 5.5



#23
Nitrobenzene-d5
Concen: 62.523 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF136388.D
Acq: 04 Dec 2023 18:31

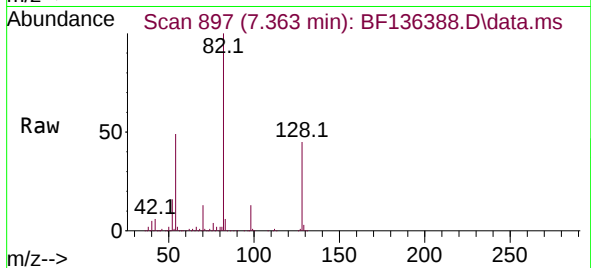
Tgt Ion: 82 Resp: 543724
Ion Ratio Lower Upper
82 100
128 44.5 33.4 50.2
54 48.8 41.7 62.5



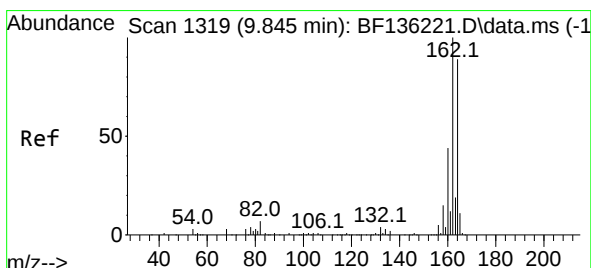
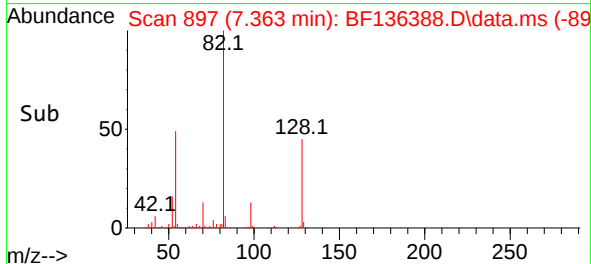
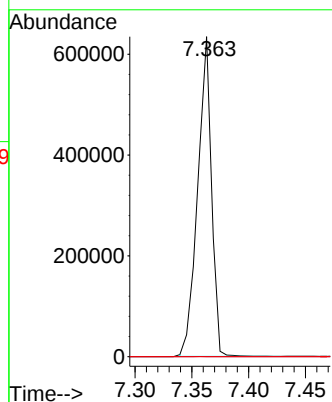


#25
Isophorone
Concen: 34.337 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.265 min
Lab File: BF136388.D
Acq: 04 Dec 2023 18:31

Instrument :
BNA_F
ClientSampleId :

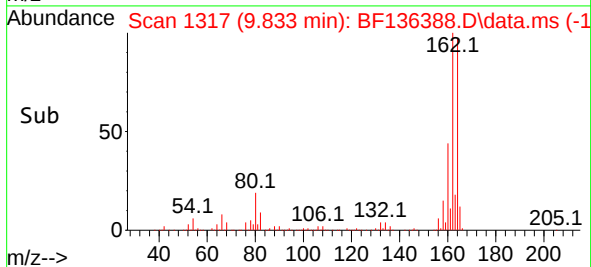
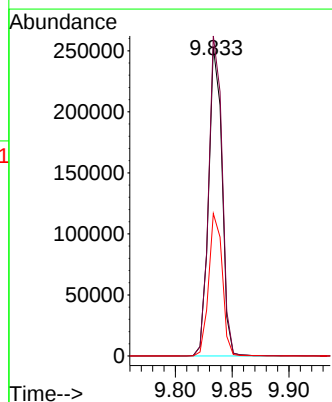
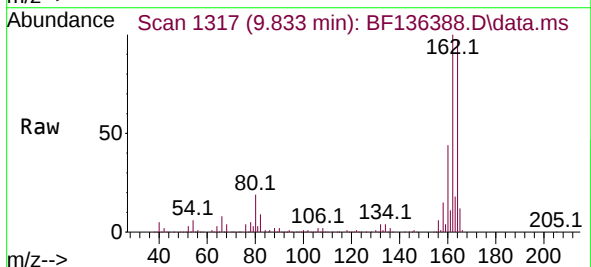


Tgt Ion: 82 Resp: 538435
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF136388.D
Acq: 04 Dec 2023 18:31

Tgt Ion: 164 Resp: 207173
Ion Ratio Lower Upper
164 100
162 103.5 89.5 134.3
160 46.1 39.6 59.4





#42

2,4,6-Tribromophenol

Concen: 83.244 ng

RT: 10.627 min Scan# 1454

Delta R.T. -0.006 min

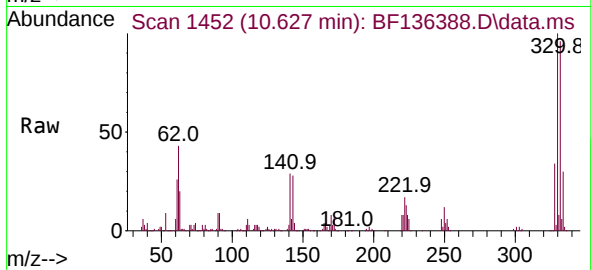
Lab File: BF136388.D

Acq: 04 Dec 2023 18:31

Instrument :

BNA_F

ClientSampleId :



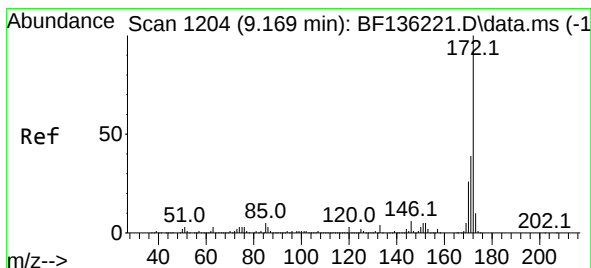
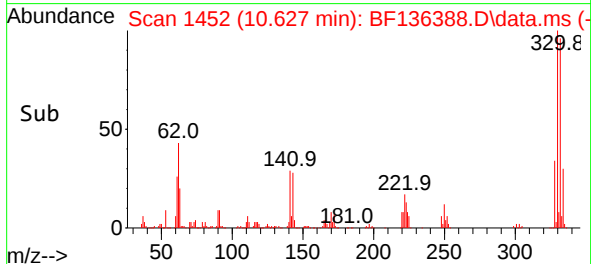
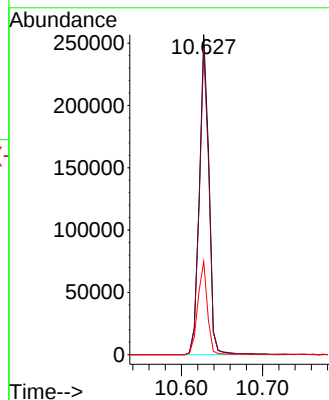
Tgt Ion:330 Resp: 210846

Ion Ratio Lower Upper

330 100

332 95.9 73.0 109.6

141 29.3 24.2 36.2



#45

2-Fluorobiphenyl

Concen: 66.585 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF136388.D

Acq: 04 Dec 2023 18:31

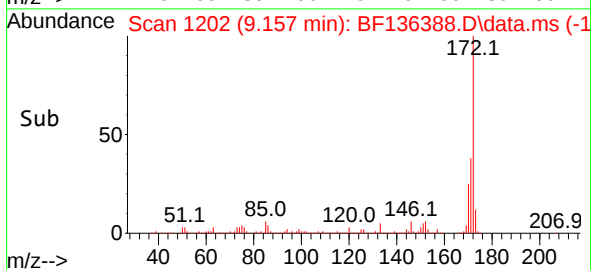
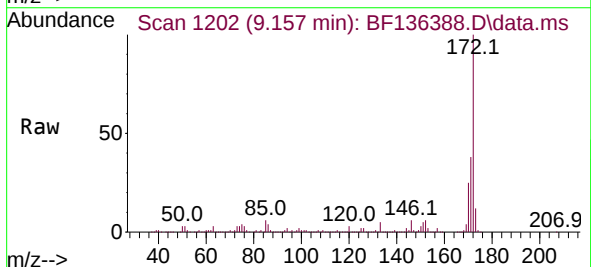
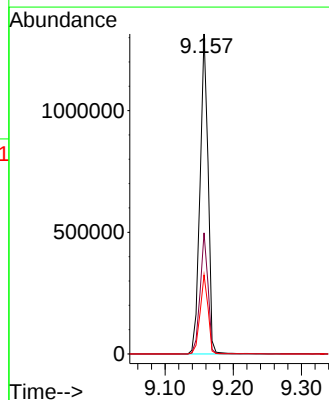
Tgt Ion:172 Resp: 1079979

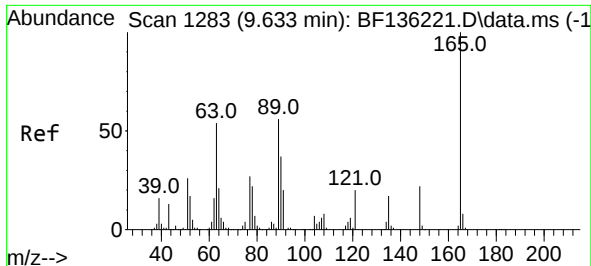
Ion Ratio Lower Upper

172 100

171 37.8 31.5 47.3

170 24.7 20.8 31.2





#51

2,6-Dinitrotoluene

Concen: 8.053 ng

RT: 9.833 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF136388.D

Acq: 04 Dec 2023 18:31

Instrument :

BNA_F

ClientSampleId :

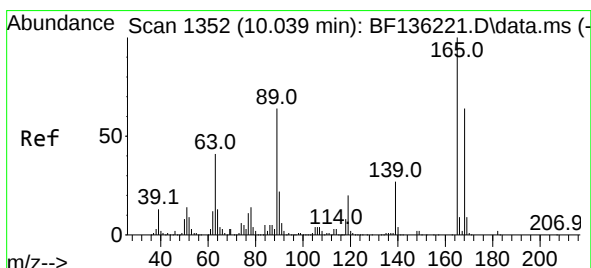
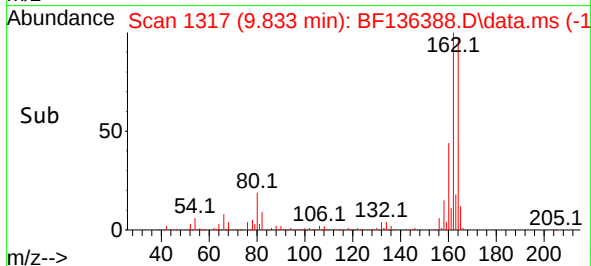
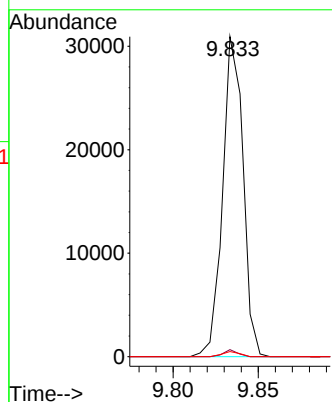
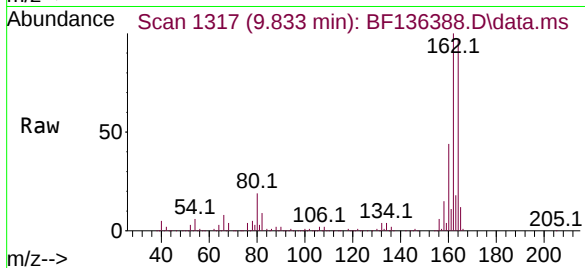
Tgt Ion:165 Resp: 25762

Ion Ratio Lower Upper

165 100

63 2.2 46.2 69.2#

89 1.6 44.9 67.3#



#57

2,4-Dinitrotoluene

Concen: 6.029 ng

RT: 9.833 min Scan# 1317

Delta R.T. -0.200 min

Lab File: BF136388.D

Acq: 04 Dec 2023 18:31

Tgt Ion:165 Resp: 25762

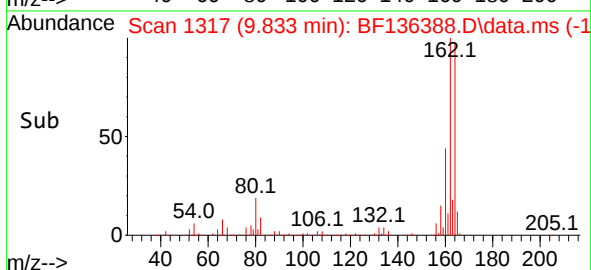
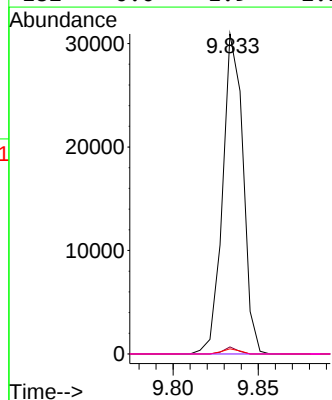
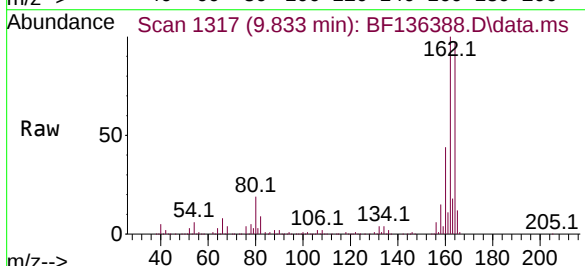
Ion Ratio Lower Upper

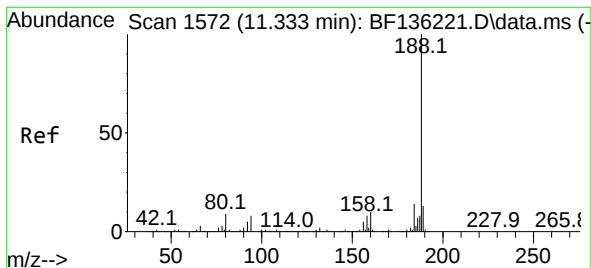
165 100

63 2.2 33.0 49.4#

89 1.6 51.5 77.3#

182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.327 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF136388.D

Acq: 04 Dec 2023 18:31

Instrument :

BNA_F

ClientSampleId :

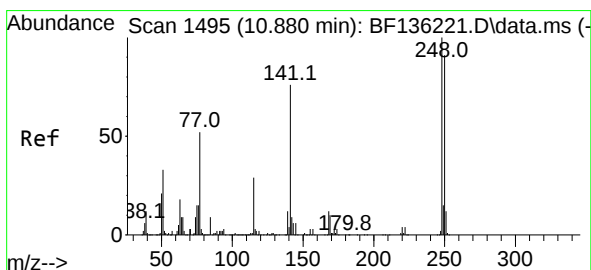
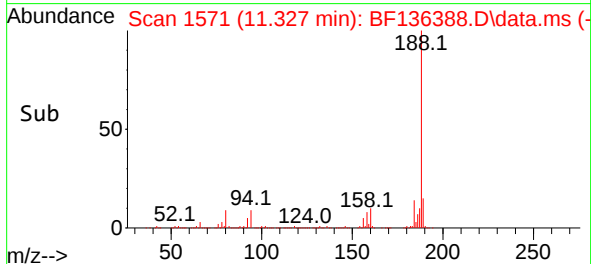
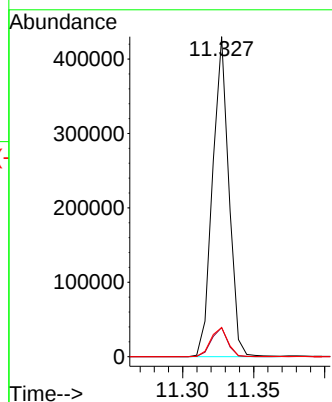
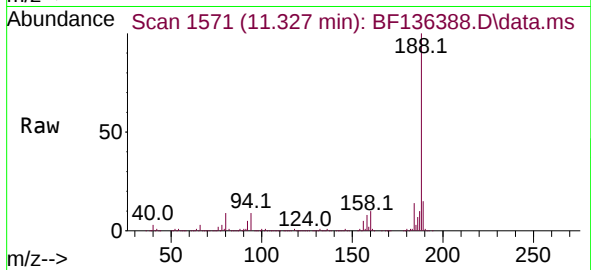
Tgt Ion:188 Resp: 342277

Ion Ratio Lower Upper

188 100

94 9.1 6.7 10.1

80 9.1 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 3.254 ng

RT: 10.627 min Scan# 1452

Delta R.T. -0.247 min

Lab File: BF136388.D

Acq: 04 Dec 2023 18:31

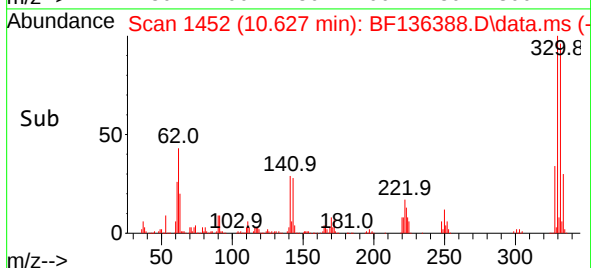
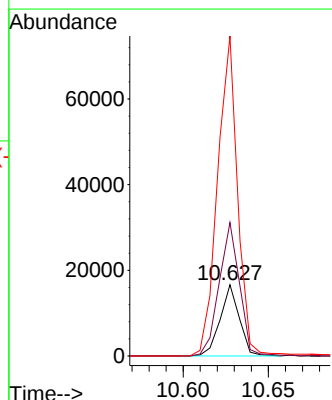
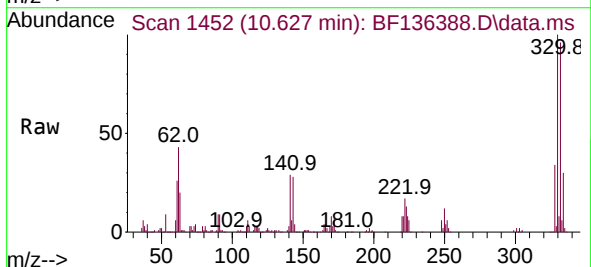
Tgt Ion:248 Resp: 12993

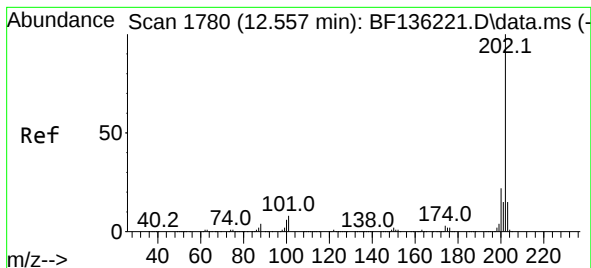
Ion Ratio Lower Upper

248 100

250 187.3 72.5 108.7#

141 449.0 60.8 91.2#





#75

Fluoranthene

Concen: 2.547 ng

RT: 12.545 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF136388.D

Acq: 04 Dec 2023 18:31

Instrument :

BNA_F

ClientSampleId :

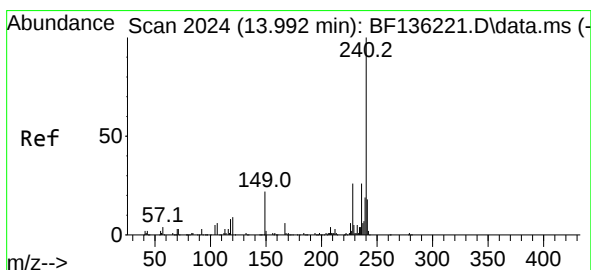
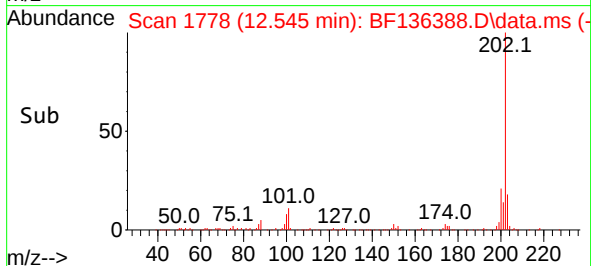
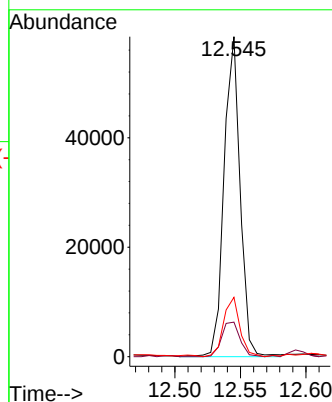
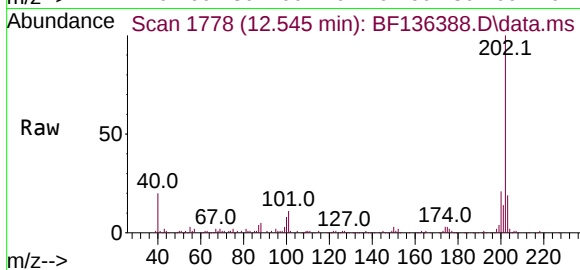
Tgt Ion:202 Resp: 49745

Ion Ratio Lower Upper

202 100

101 10.8 0.0 27.8

203 18.6 0.0 34.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 2022

Delta R.T. 0.000 min

Lab File: BF136388.D

Acq: 04 Dec 2023 18:31

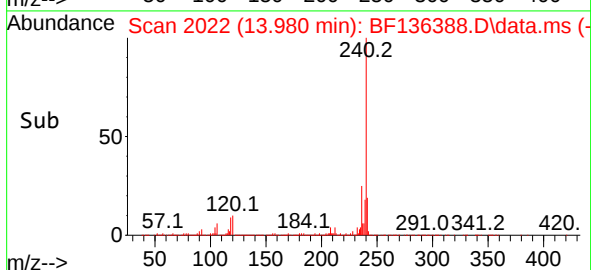
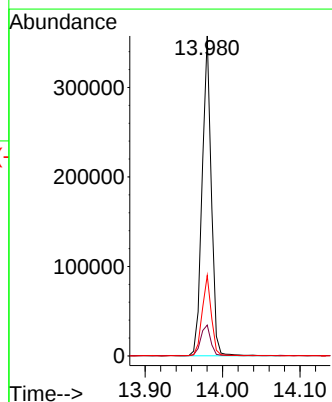
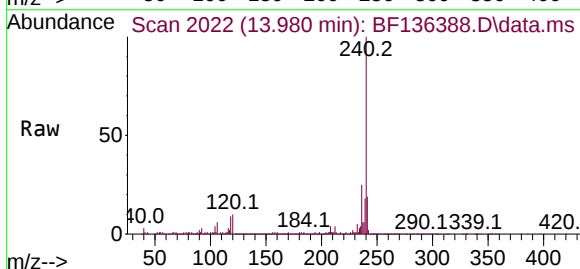
Tgt Ion:240 Resp: 292631

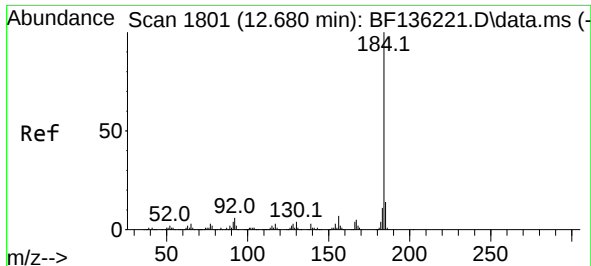
Ion Ratio Lower Upper

240 100

120 9.7 7.4 11.2

236 25.2 21.1 31.7

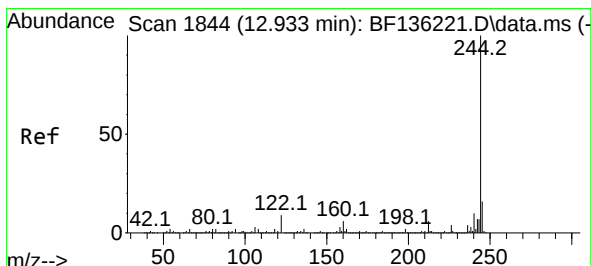
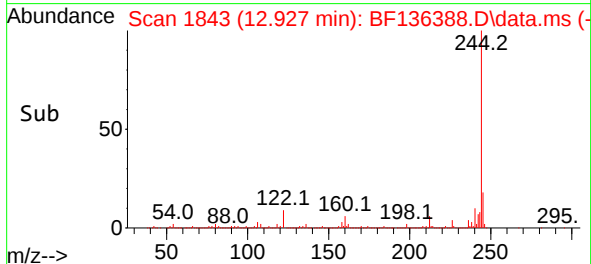
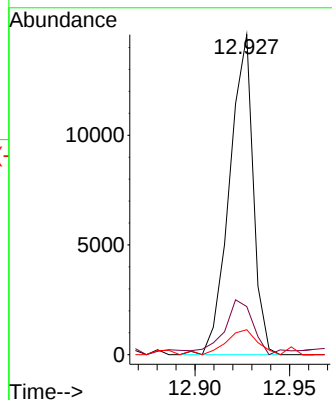
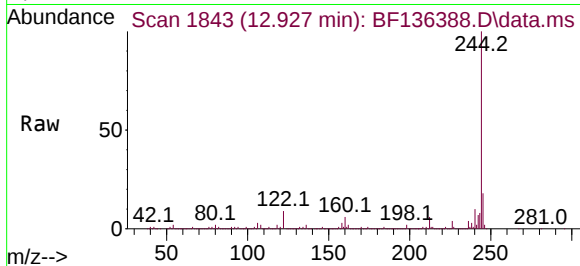




#77
Benzidine
Concen: 2.629 ng
RT: 12.927 min Scan# 1843
Delta R.T. 0.259 min
Lab File: BF136388.D
Acq: 04 Dec 2023 18:31

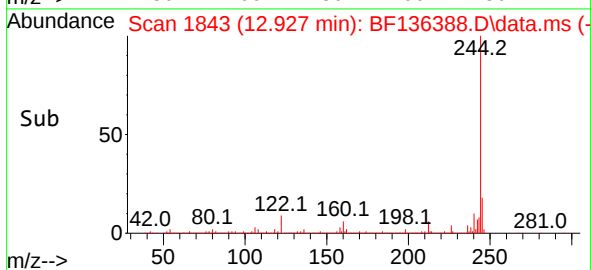
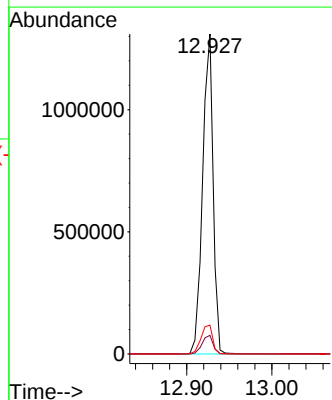
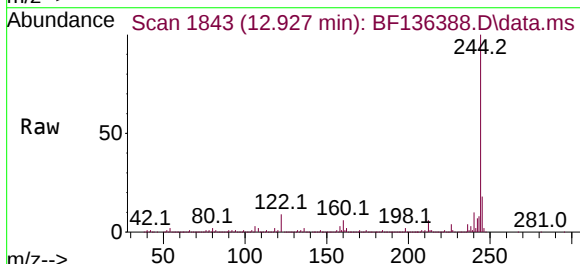
Instrument :
BNA_F
ClientSampleId :

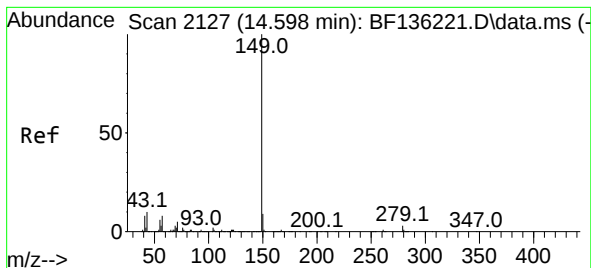
Tgt Ion:184 Resp: 12645
Ion Ratio Lower Upper
184 100
185 15.0 11.0 16.6
183 7.8 9.0 13.4#



#79
Terphenyl-d14
Concen: 44.173 ng
RT: 12.927 min Scan# 1843
Delta R.T. 0.000 min
Lab File: BF136388.D
Acq: 04 Dec 2023 18:31

Tgt Ion:244 Resp: 1120646
Ion Ratio Lower Upper
244 100
212 5.8 4.6 7.0
122 9.0 7.3 10.9





#85

Di-n-octyl phthalate

Concen: 5.184 ng

RT: 14.598 min Scan# 2127

Delta R.T. 0.012 min

Lab File: BF136388.D

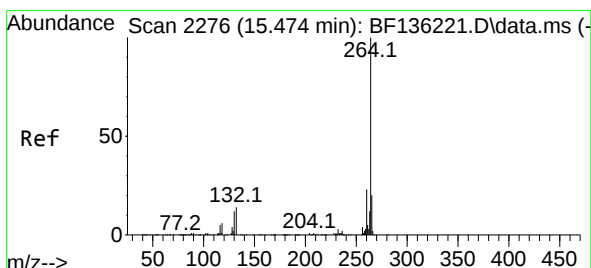
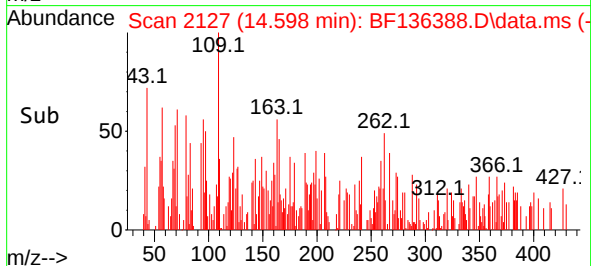
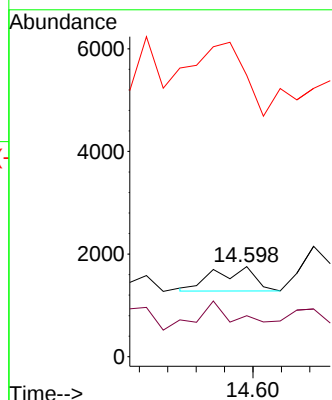
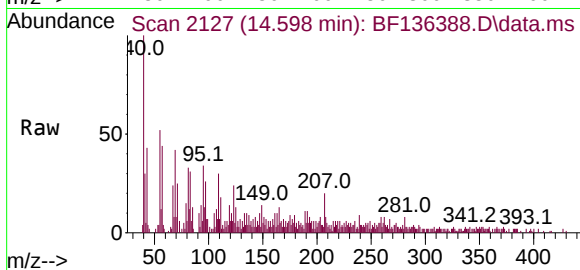
Acq: 04 Dec 2023 18:31

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	149	Resp:	464
Ion Ratio	Lower	Upper	
149	100		
167	114.9	1.0	1.6#
43	365.9	7.2	10.8#



#86

Perylene-d12

Concen: 20.000 ng

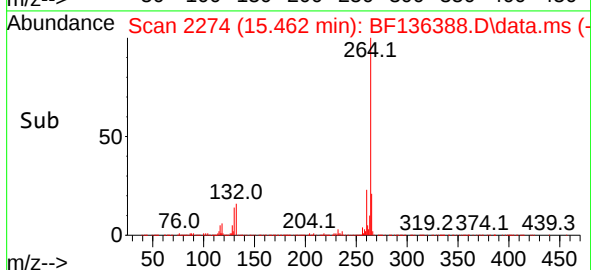
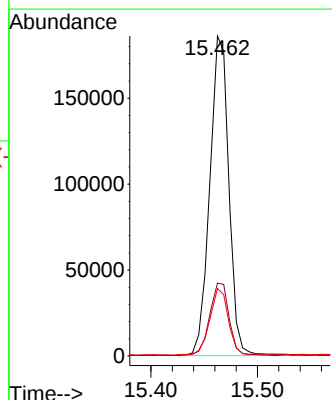
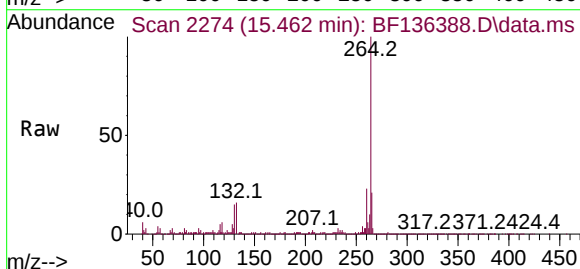
RT: 15.462 min Scan# 2274

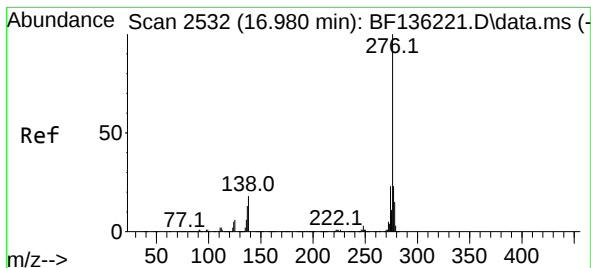
Delta R.T. 0.006 min

Lab File: BF136388.D

Acq: 04 Dec 2023 18:31

Tgt Ion:	264	Resp:	230997
Ion Ratio	Lower	Upper	
264	100		
260	22.8	18.6	27.8
265	21.1	15.7	23.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.731 ng

RT: 17.209 min Scan# 21

Delta R.T. 0.247 min

Lab File: BF136388.D

Acq: 04 Dec 2023 18:31

Instrument :

BNA_F

ClientSampleId :

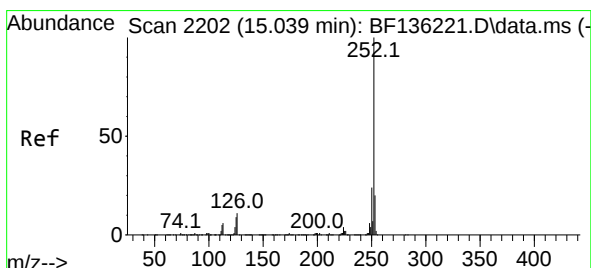
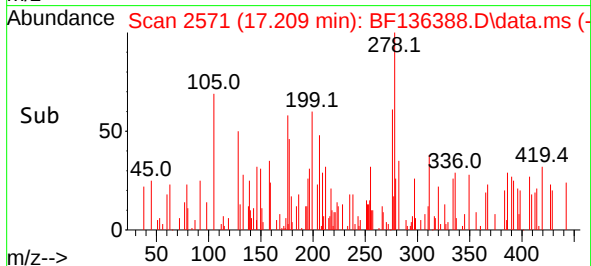
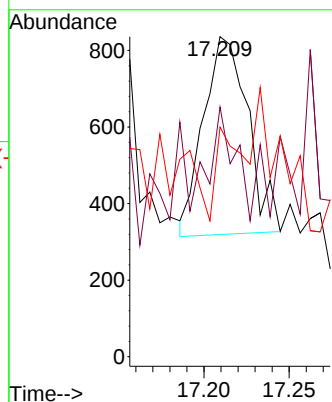
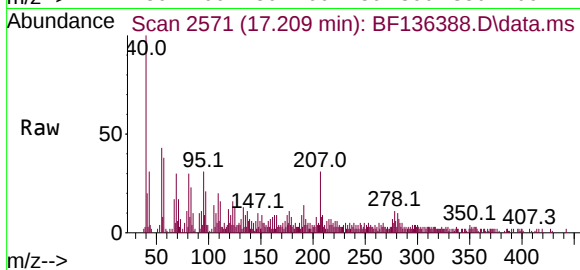
Tgt Ion:276 Resp: 939

Ion Ratio Lower Upper

276 100

138 26.0 17.7 26.5

277 28.8 19.6 29.4



#88

Benzo(b)fluoranthene

Concen: 3.152 ng

RT: 15.027 min Scan# 2200

Delta R.T. 0.000 min

Lab File: BF136388.D

Acq: 04 Dec 2023 18:31

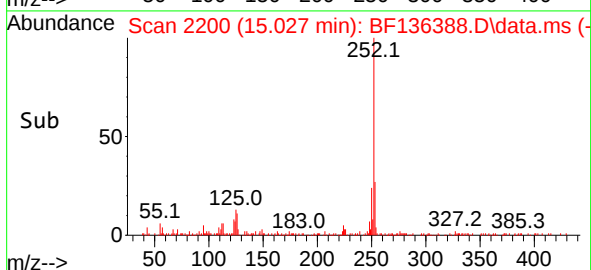
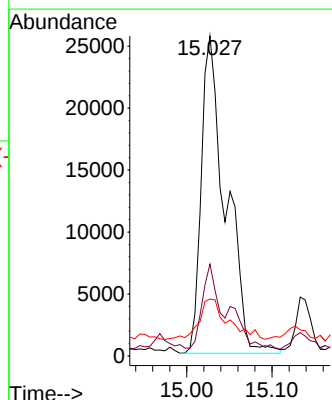
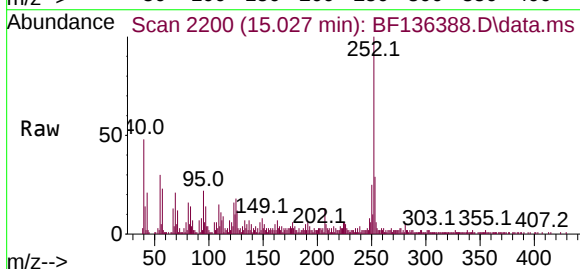
Tgt Ion:252 Resp: 51075

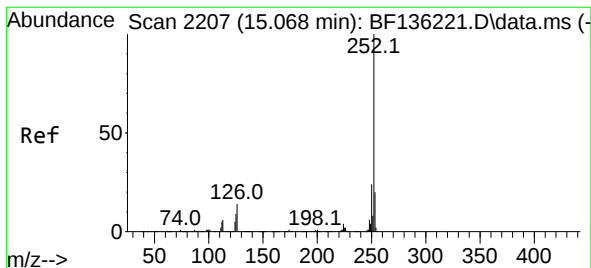
Ion Ratio Lower Upper

252 100

253 28.7 16.2 24.2#

125 17.8 6.9 10.3#





#89

Benzo(k)fluoranthene

Concen: 3.318 ng

RT: 15.027 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF136388.D

Acq: 04 Dec 2023 18:31

Instrument :

BNA_F

ClientSampleId :

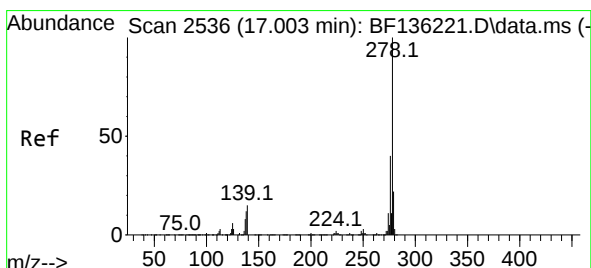
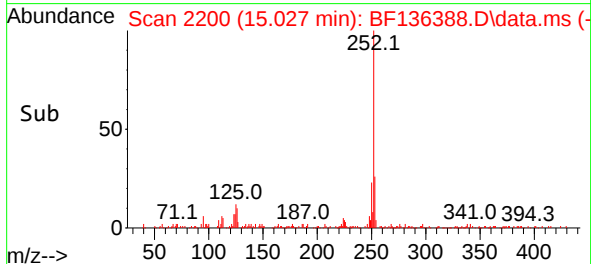
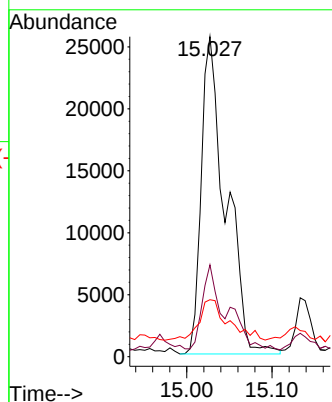
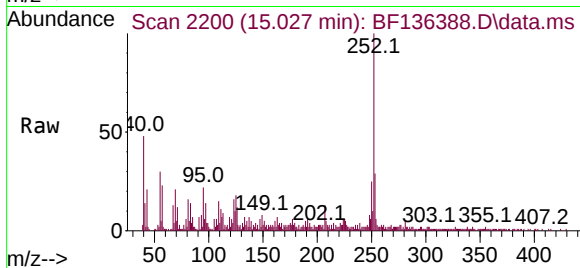
Tgt Ion:252 Resp: 51075

Ion Ratio Lower Upper

252 100

253 28.7 15.6 23.4#

125 17.8 7.0 10.4#



#91

Dibenzo(a,h)anthracene

Concen: 2.970 ng

RT: 16.980 min Scan# 2532

Delta R.T. -0.012 min

Lab File: BF136388.D

Acq: 04 Dec 2023 18:31

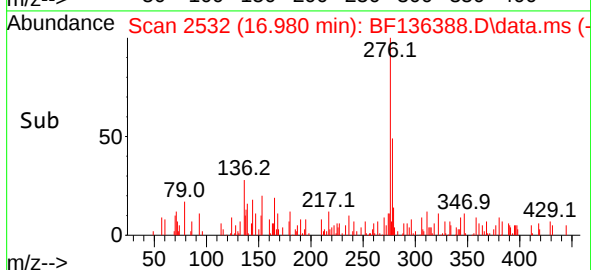
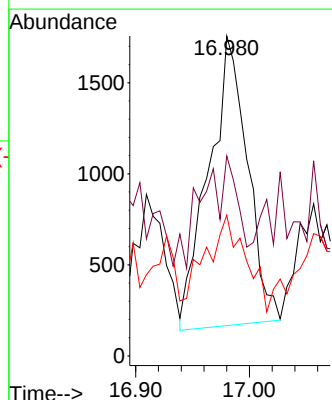
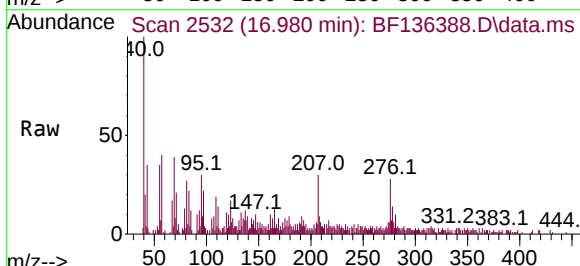
Tgt Ion:278 Resp: 3763

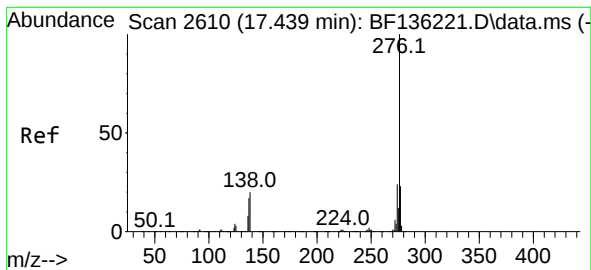
Ion Ratio Lower Upper

278 100

139 62.5 11.7 17.5#

279 44.0 17.8 26.8#





#92

Benzo(g,h,i)perylene

Concen: 2.834 ng

RT: 17.415 min Scan# 20

Delta R.T. -0.006 min

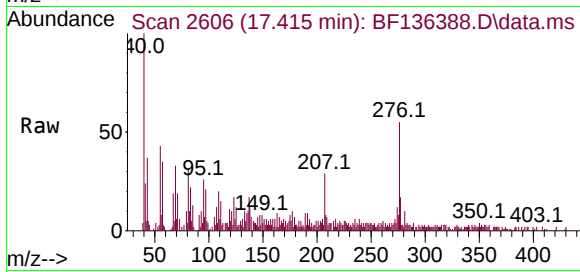
Lab File: BF136388.D

Acq: 04 Dec 2023 18:31

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 13518

Ion Ratio Lower Upper

276 100

277 30.8 18.6 27.8#

138 21.9 15.8 23.8

