

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120423\
 Data File : BF136390.D
 Acq On : 04 Dec 2023 19:34
 Operator : CG\JU
 Sample : 05521-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 05 00:36:19 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)

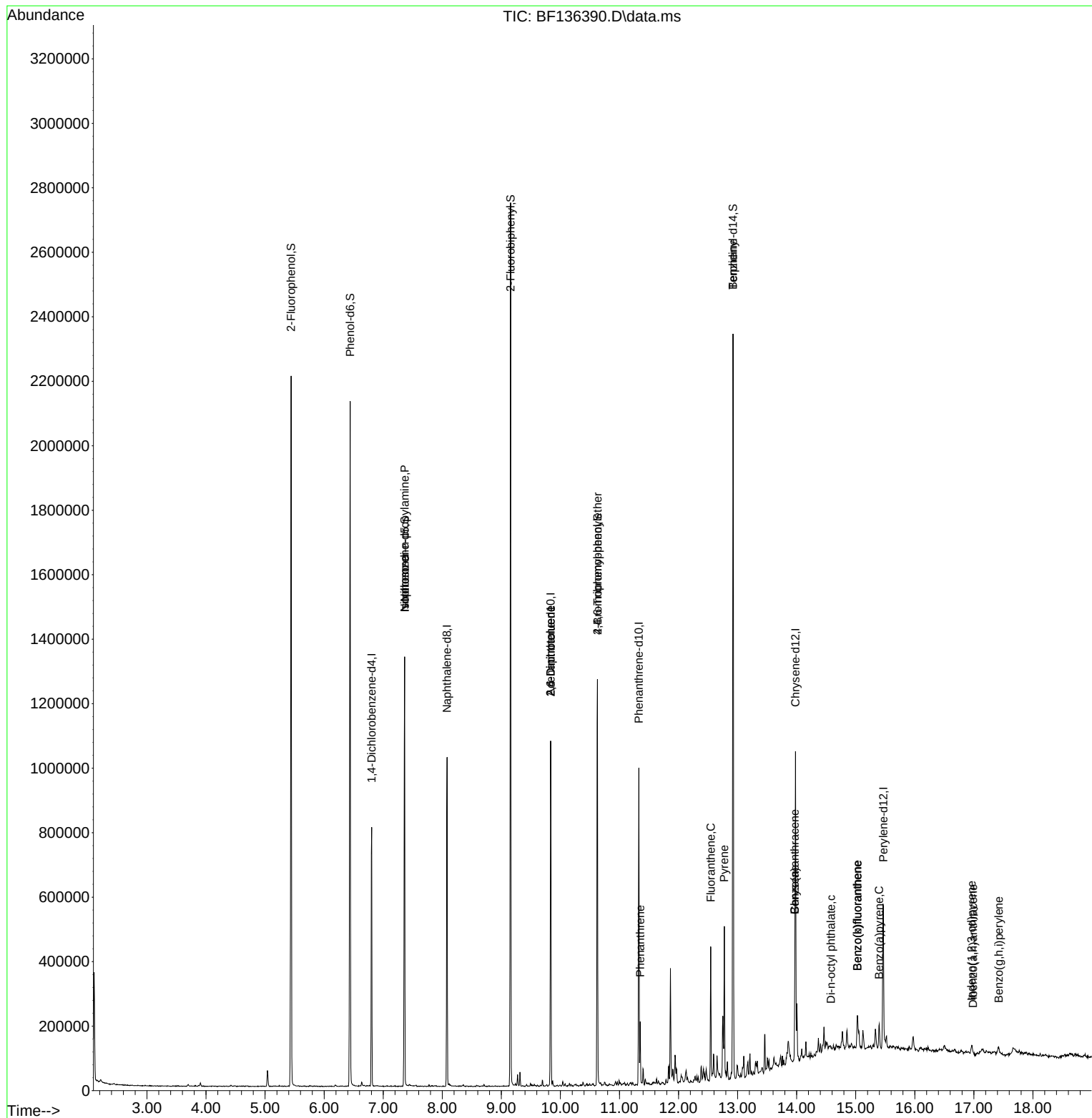
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	115052	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	443119	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	197186	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	330618	20.000	ng	0.00
76) Chrysene-d12	13.980	240	277650	20.000	ng	0.00
86) Perylene-d12	15.468	264	219512	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	569856	68.939	ng	0.00
7) Phenol-d6	6.440	99	695216	67.264	ng	0.00
23) Nitrobenzene-d5	7.363	82	403306	48.095	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	160846	66.720	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	739855	47.925	ng	0.00
79) Terphenyl-d14	12.922	244	805928	33.482	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.363	70	52982	8.571	ng	# 73
25) Isophorone	7.363	82	399367	26.413	ng	# 68
51) 2,6-Dinitrotoluene	9.834	165	25340	8.323	ng	# 24
57) 2,4-Dinitrotoluene	9.834	165	25340	6.231	ng	# 27
67) 4-Bromophenyl-phenylether	10.628	248	9820	2.546	ng	# 1
71) Phenanthrene	11.351	178	66144	3.560	ng	98
75) Fluoranthene	12.545	202	143192	7.591	ng	93
77) Benzidine	12.922	184	9482	2.078	ng	# 91
78) Pyrene	12.775	202	172594	5.676	ng	95
81) Benzo(a)anthracene	13.969	228	72533	3.517	ng	97
83) Chrysene	13.969	228	72533	3.643	ng	93
85) Di-n-octyl phthalate	14.580	149	264	5.175	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.962	276	17964	3.713	ng	# 93
88) Benzo(b)fluoranthene	15.027	252	75621	4.910	ng	# 97
89) Benzo(k)fluoranthene	15.027	252	75621	5.170	ng	# 96
90) Benzo(a)pyrene	15.398	252	36315	2.885	ng	# 91
91) Dibenzo(a,h)anthracene	16.986	278	5334	3.096	ng	# 83
92) Benzo(g,h,i)perylene	17.421	276	17477	3.171	ng	97

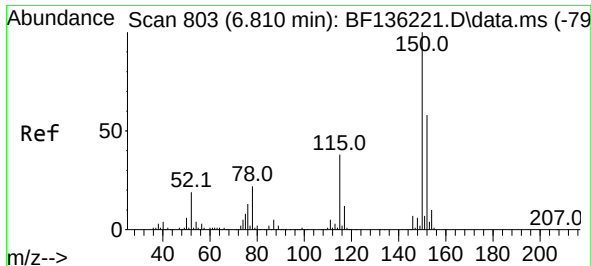
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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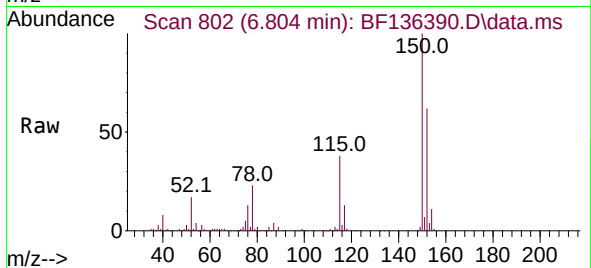
Quant Time: Dec 05 00:36:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 04 13:30:53 2023
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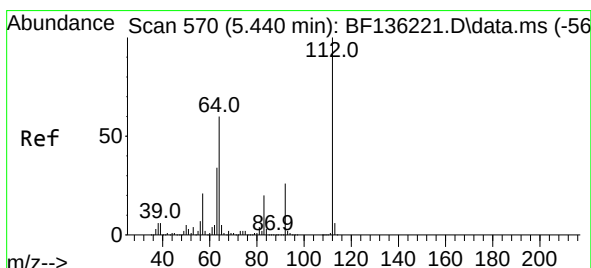
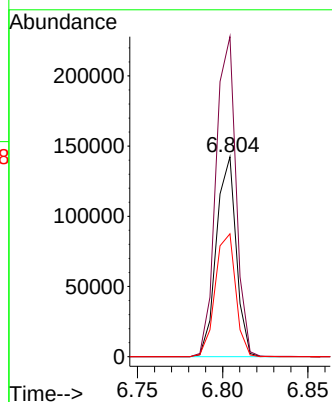
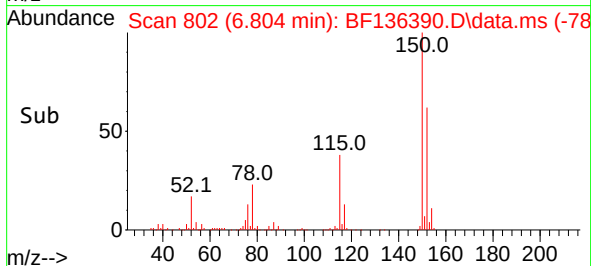


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. 0.000 min
Lab File: BF136390.D
Acq: 04 Dec 2023 19:34

Instrument :
BNA_F
ClientSampleId :

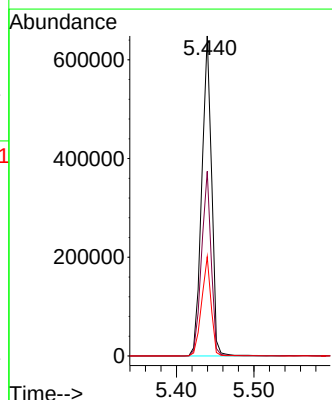
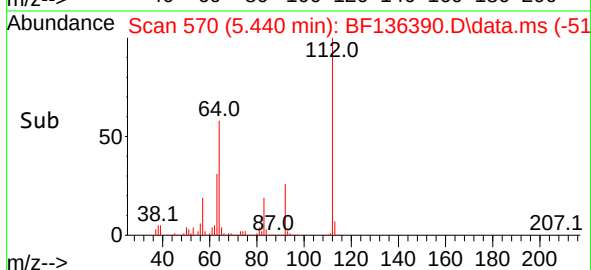
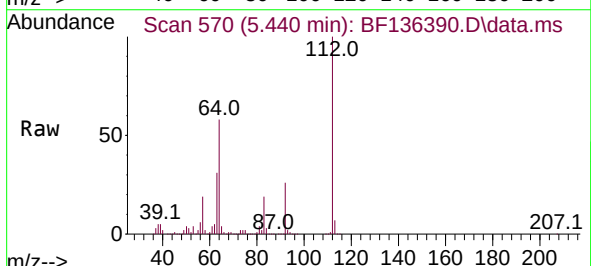


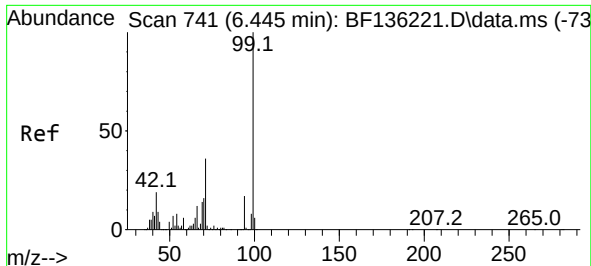
Tgt Ion:152 Resp: 115052
Ion Ratio Lower Upper
152 100
150 160.1 137.8 206.8
115 61.4 52.7 79.1



#5
2-Fluorophenol
Concen: 68.939 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF136390.D
Acq: 04 Dec 2023 19:34

Tgt Ion:112 Resp: 569856
Ion Ratio Lower Upper
112 100
64 57.7 48.2 72.4
63 31.0 27.0 40.6

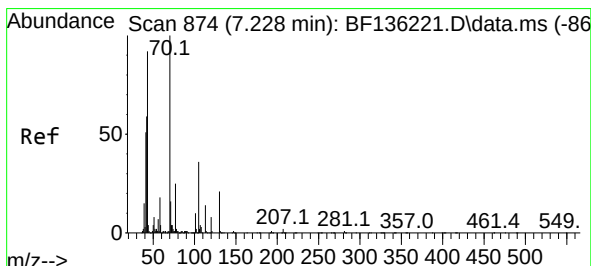
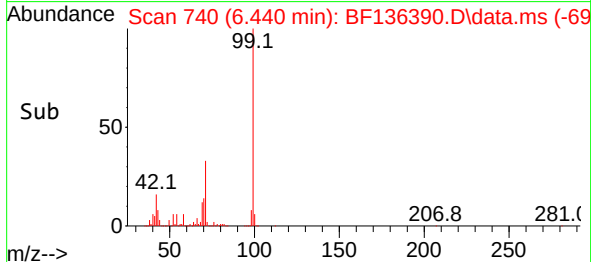
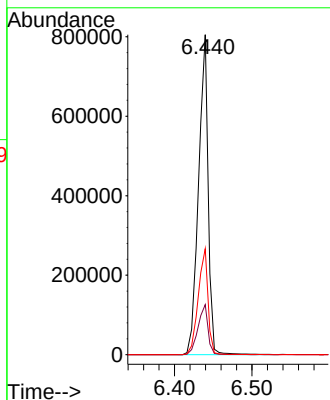
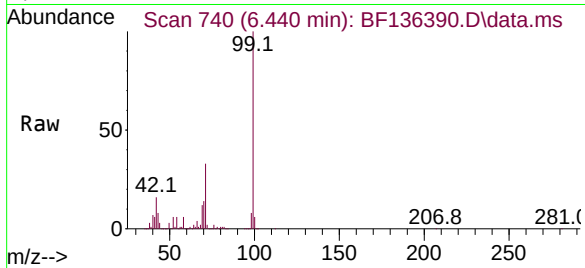




#7
Phenol-d6
Concen: 67.264 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136390.D
Acq: 04 Dec 2023 19:34

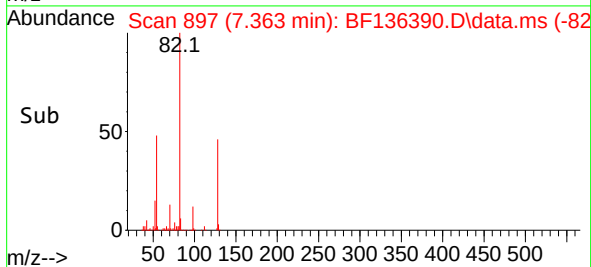
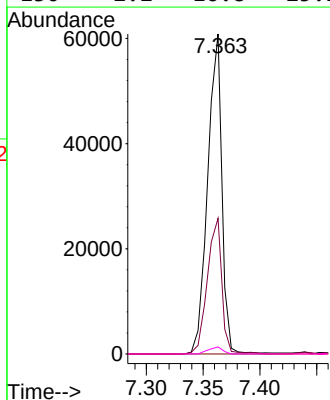
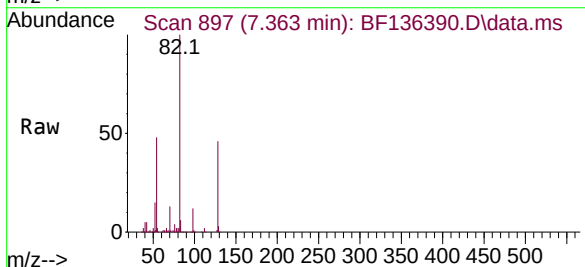
Instrument :
BNA_F
ClientSampleId :

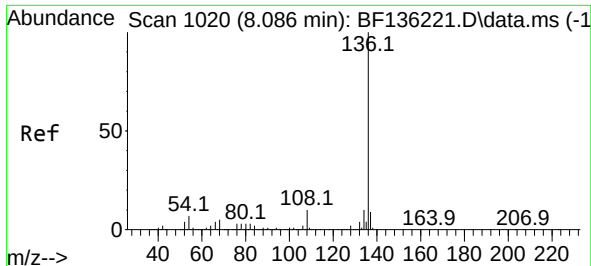
Tgt Ion: 99 Resp: 695216
Ion Ratio Lower Upper
99 100
42 15.7 15.0 22.6
71 33.1 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 8.571 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.141 min
Lab File: BF136390.D
Acq: 04 Dec 2023 19:34

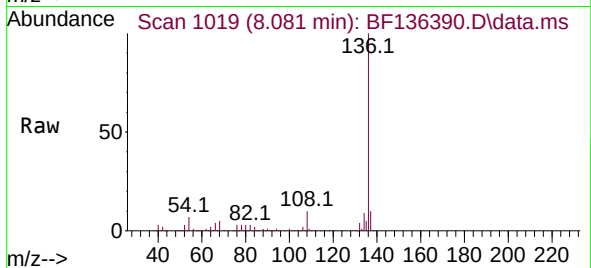
Tgt Ion: 70 Resp: 52982
Ion Ratio Lower Upper
70 100
42 42.4 47.0 70.4#
101 0.0 7.8 11.8#
130 2.2 16.8 25.2#



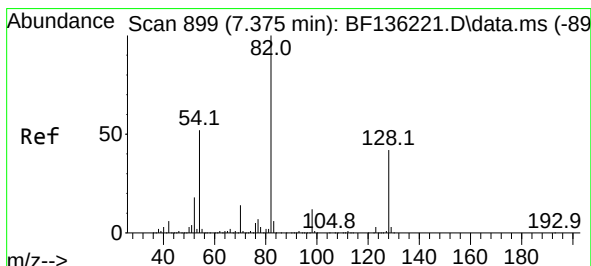
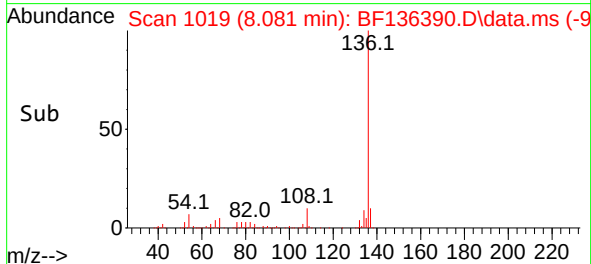
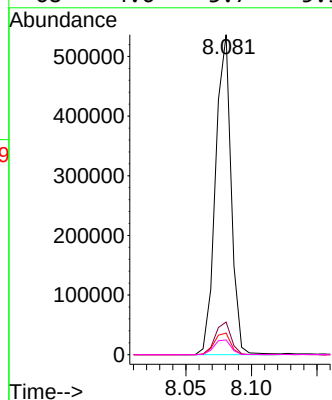


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BF136390.D
Acq: 04 Dec 2023 19:34

Instrument :
BNA_F
ClientSampleId :

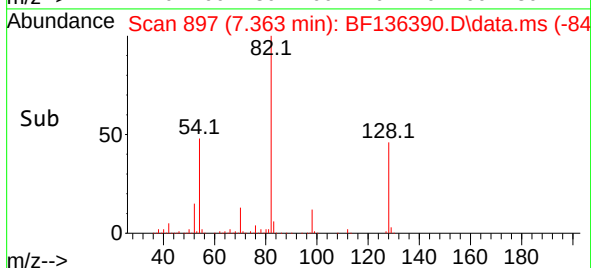
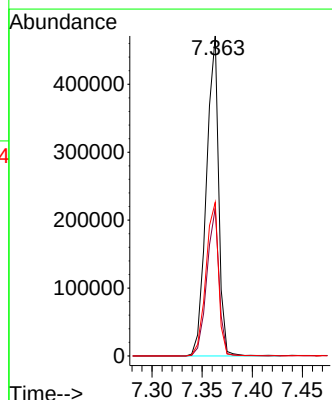
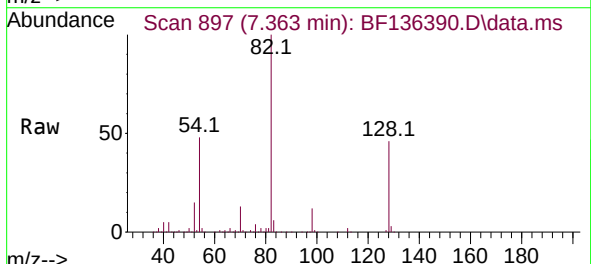


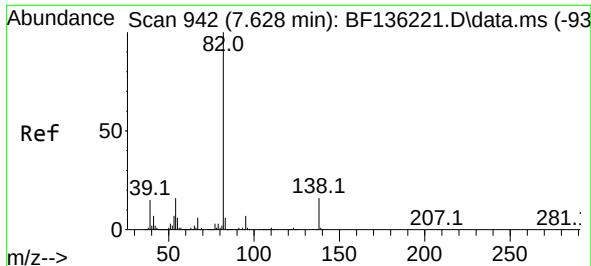
Tgt Ion:136 Resp: 443119
Ion Ratio Lower Upper
136 100
137 10.2 7.4 11.2
54 6.8 5.5 8.3
68 4.6 3.7 5.5



#23
Nitrobenzene-d5
Concen: 48.095 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF136390.D
Acq: 04 Dec 2023 19:34

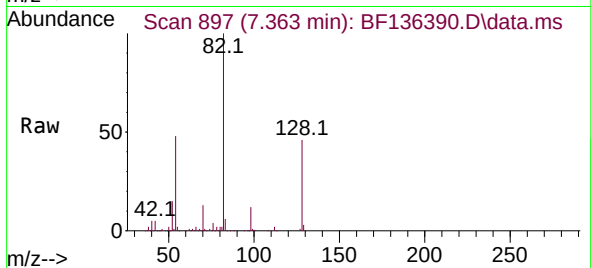
Tgt Ion: 82 Resp: 403306
Ion Ratio Lower Upper
82 100
128 46.2 33.4 50.2
54 48.0 41.7 62.5



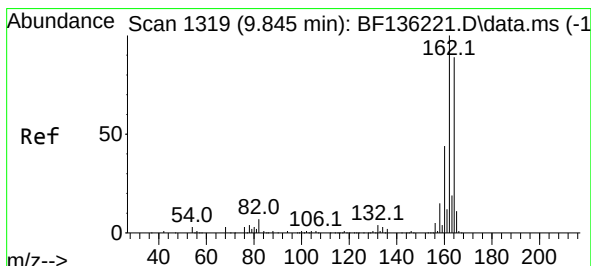
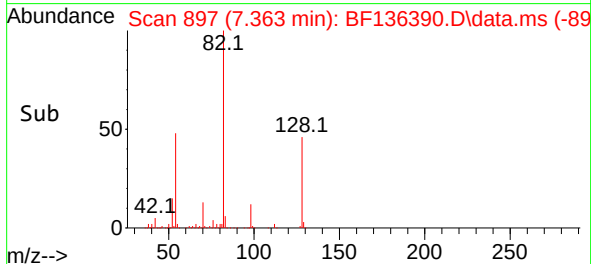
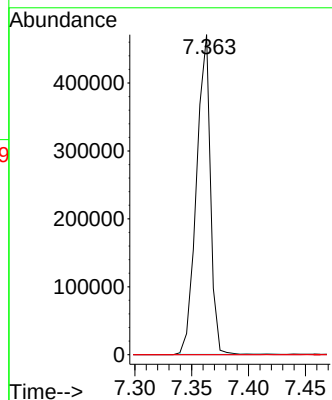


#25
Isophorone
Concen: 26.413 ng
RT: 7.363 min Scan# 89
Delta R.T. -0.264 min
Lab File: BF136390.D
Acq: 04 Dec 2023 19:34

Instrument :
BNA_F
ClientSampleId :

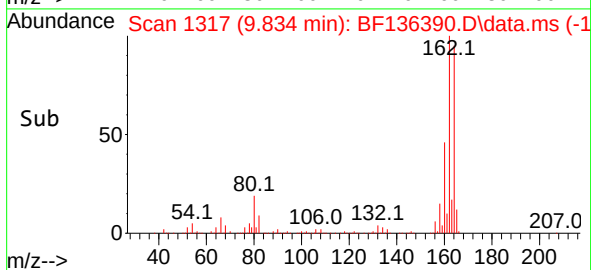
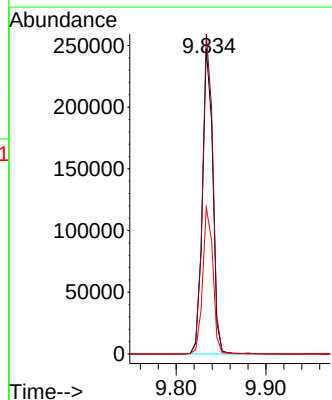
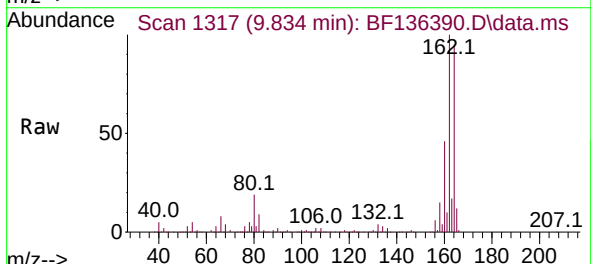


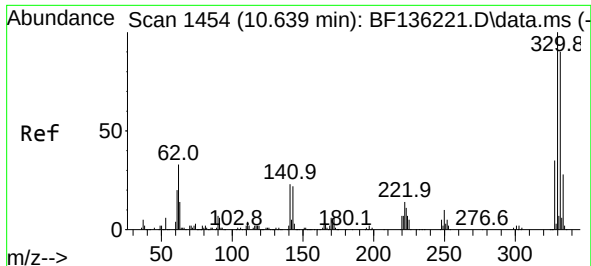
Tgt Ion: 82 Resp: 399367
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF136390.D
Acq: 04 Dec 2023 19:34

Tgt Ion: 164 Resp: 197186
Ion Ratio Lower Upper
164 100
162 104.8 89.5 134.3
160 47.9 39.6 59.4





#42

2,4,6-Tribromophenol

Concen: 66.720 ng

RT: 10.628 min Scan# 1454

Delta R.T. -0.006 min

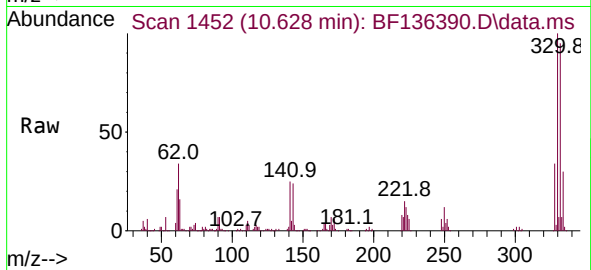
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Acq: 04 Dec 2023 19:34

Instrument :

BNA_F

ClientSampleId :



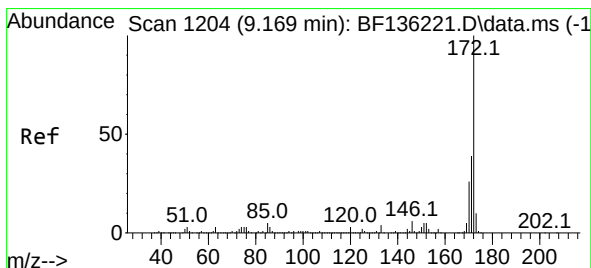
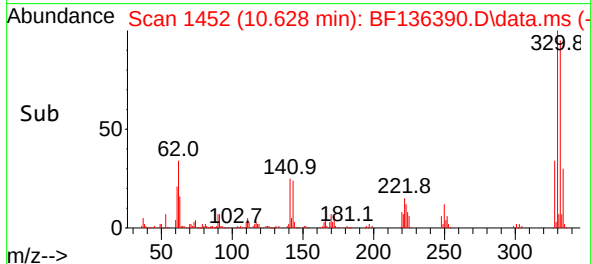
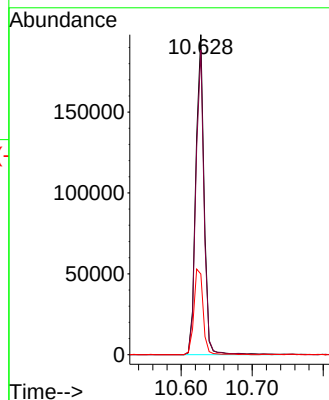
Tgt Ion:330 Resp: 160846

Ion Ratio Lower Upper

330 100

332 94.0 73.0 109.6

141 29.9 24.2 36.2



#45

2-Fluorobiphenyl

Concen: 47.925 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF136390.D

Acq: 04 Dec 2023 19:34

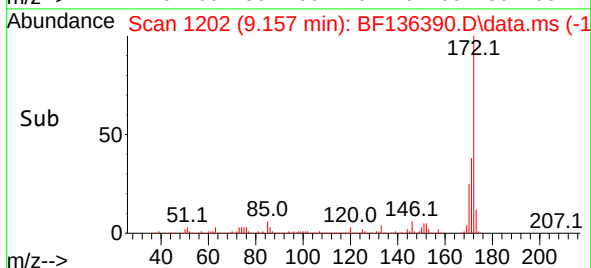
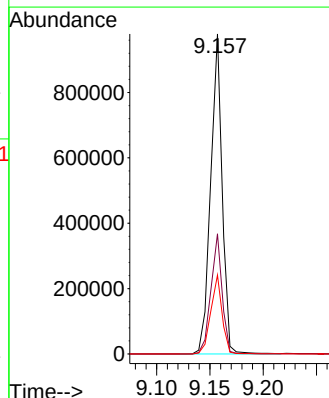
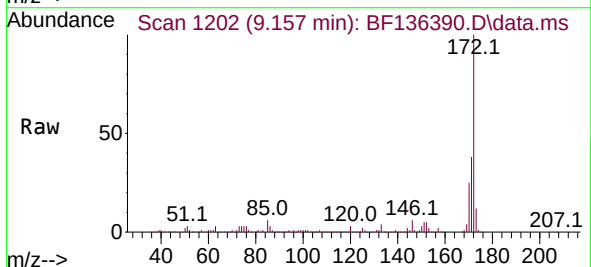
Tgt Ion:172 Resp: 739855

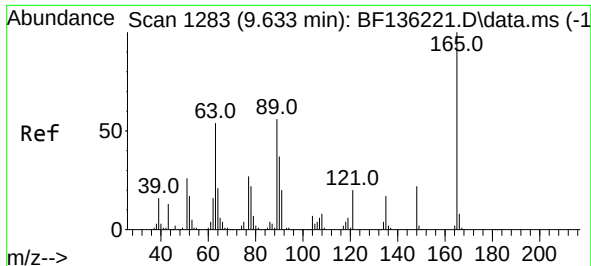
Ion Ratio Lower Upper

172 100

171 37.5 31.5 47.3

170 24.6 20.8 31.2

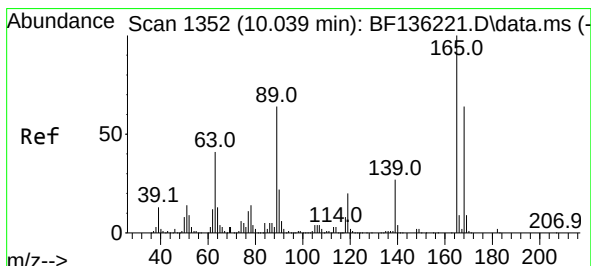
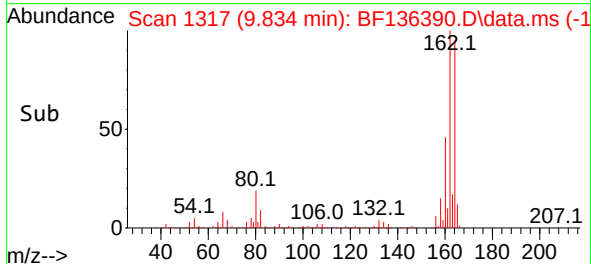
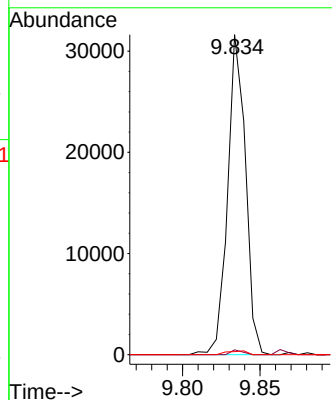
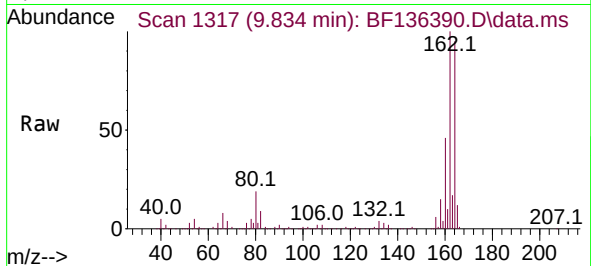




#51
2,6-Dinitrotoluene
Concen: 8.323 ng
RT: 9.834 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF136390.D
Acq: 04 Dec 2023 19:34

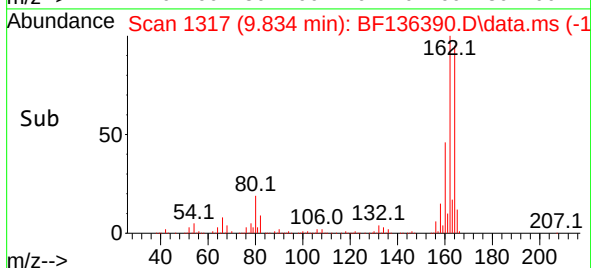
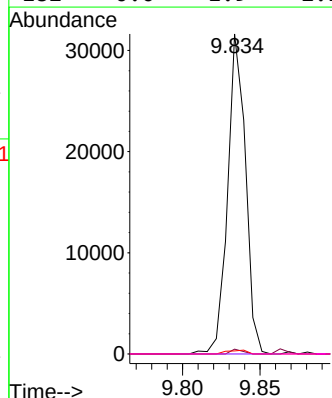
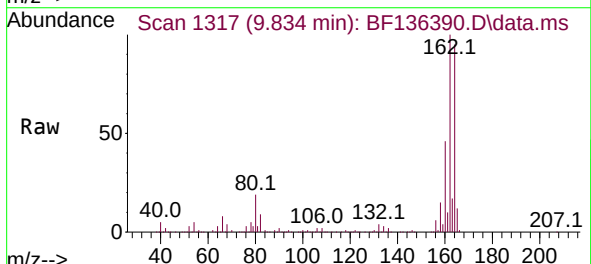
Instrument :
BNA_F
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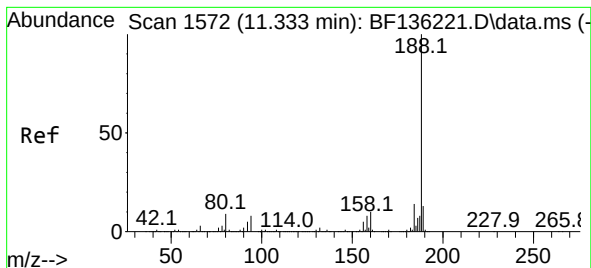
Tgt Ion:165 Resp: 25340
Ion Ratio Lower Upper
165 100
63 1.5 46.2 69.2#
89 0.9 44.9 67.3#



#57
2,4-Dinitrotoluene
Concen: 6.231 ng
RT: 9.834 min Scan# 1317
Delta R.T. -0.200 min
Lab File: BF136390.D
Acq: 04 Dec 2023 19:34

Tgt Ion:165 Resp: 25340
Ion Ratio Lower Upper
165 100
63 1.5 33.0 49.4#
89 0.9 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. 0.000 min

Lab File: BF136390.D

Acq: 04 Dec 2023 19:34

Instrument :

BNA_F

ClientSampleId :

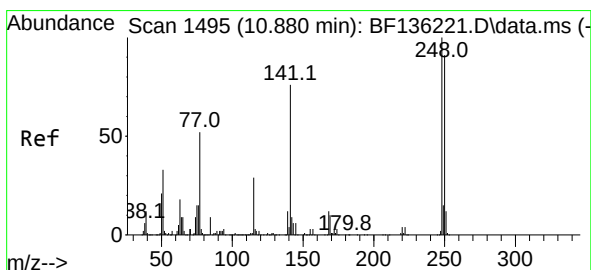
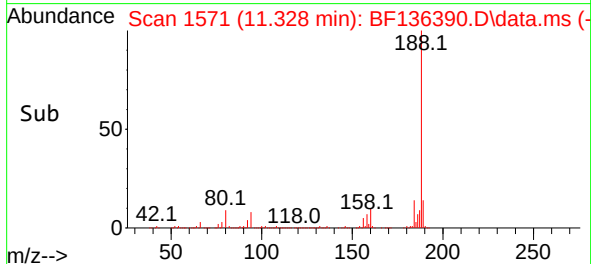
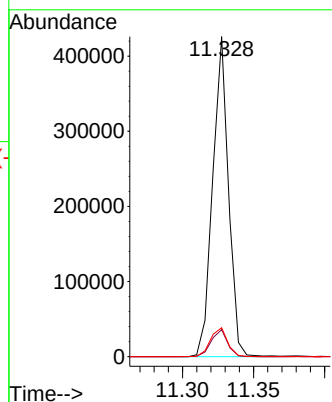
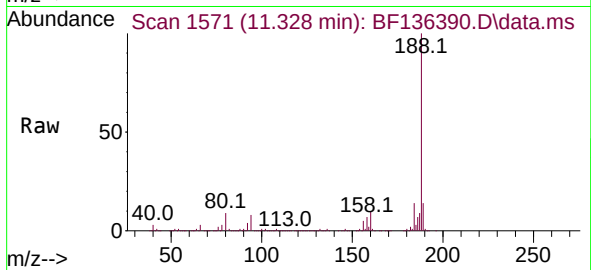
Tgt Ion:188 Resp: 330618

Ion Ratio Lower Upper

188 100

94 8.5 6.7 10.1

80 9.1 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 2.546 ng

RT: 10.628 min Scan# 1452

Delta R.T. -0.247 min

Lab File: BF136390.D

Acq: 04 Dec 2023 19:34

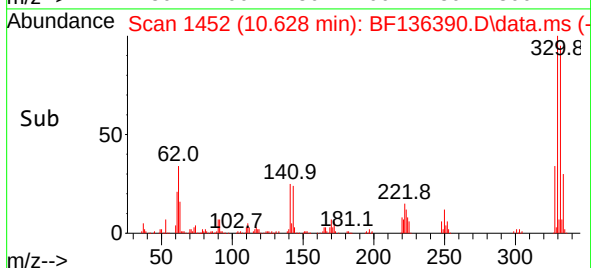
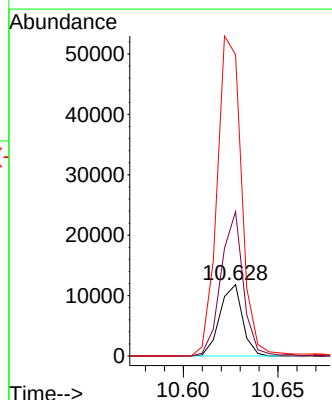
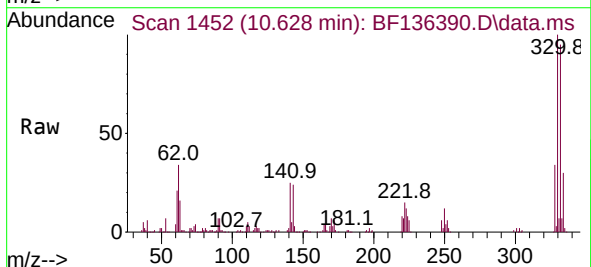
Tgt Ion:248 Resp: 9820

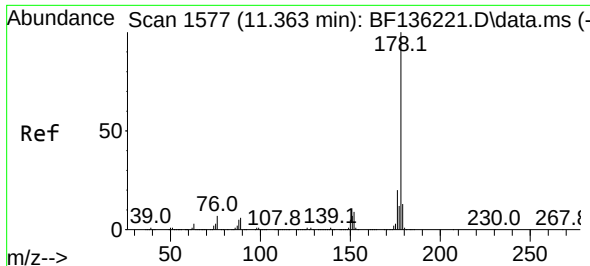
Ion Ratio Lower Upper

248 100

250 202.3 72.5 108.7#

141 422.1 60.8 91.2#

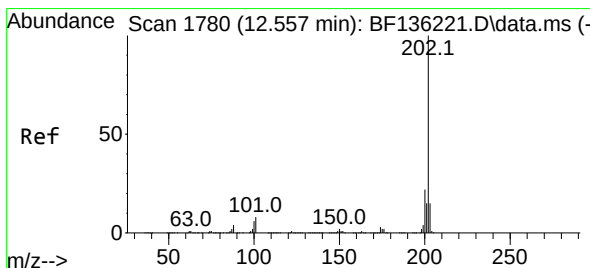
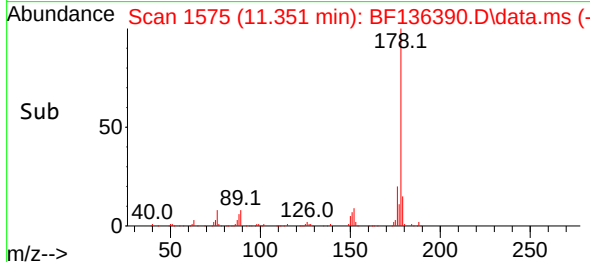
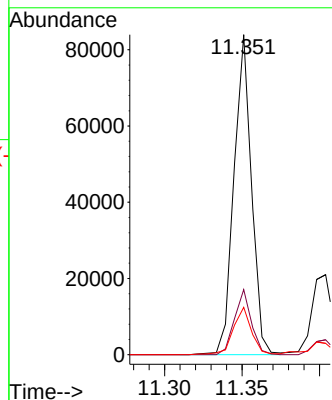
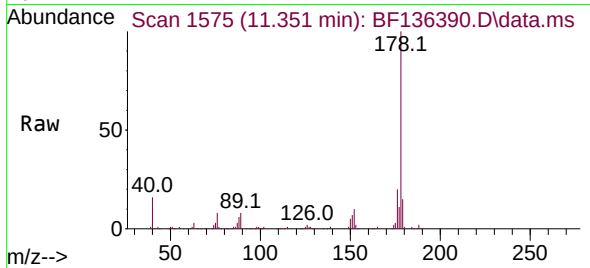




#71
Phenanthrene
Concen: 3.560 ng
RT: 11.351 min Scan# 1178
Delta R.T. -0.006 min
Lab File: BF136390.D
Acq: 04 Dec 2023 19:34

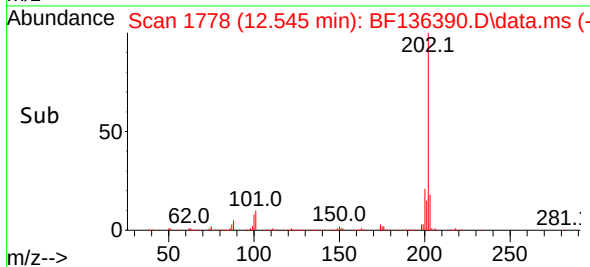
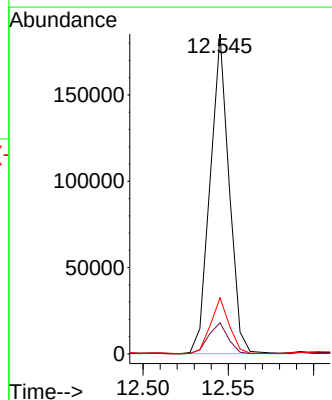
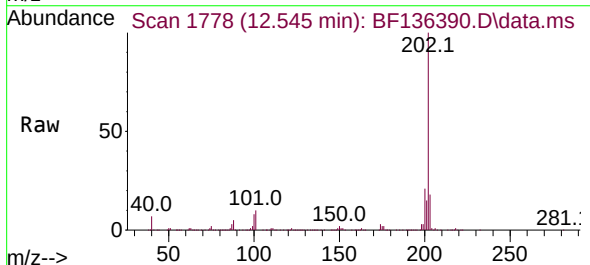
Instrument :
BNA_F
ClientSampleId :

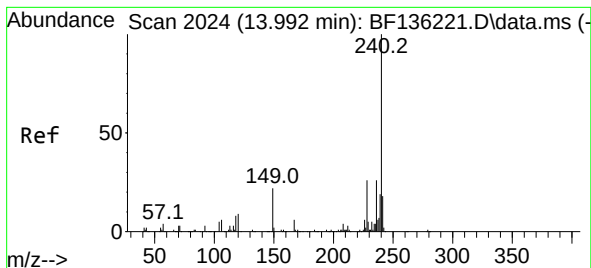
Tgt Ion:178 Resp: 66144
Ion Ratio Lower Upper
178 100
176 20.3 16.2 24.2
179 14.8 10.3 15.5



#75
Fluoranthene
Concen: 7.591 ng
RT: 12.545 min Scan# 1778
Delta R.T. 0.000 min
Lab File: BF136390.D
Acq: 04 Dec 2023 19:34

Tgt Ion:202 Resp: 143192
Ion Ratio Lower Upper
202 100
101 9.8 0.0 27.8
203 17.6 0.0 34.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF136390.D

Acq: 04 Dec 2023 19:34

Instrument :

BNA_F

ClientSampleId :

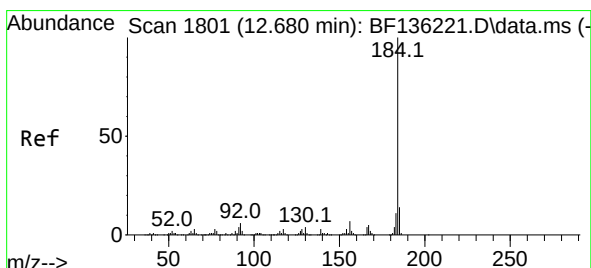
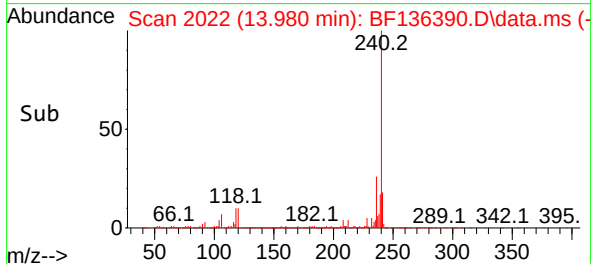
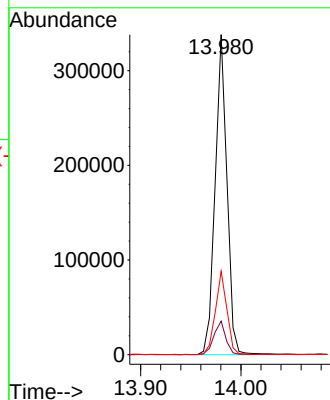
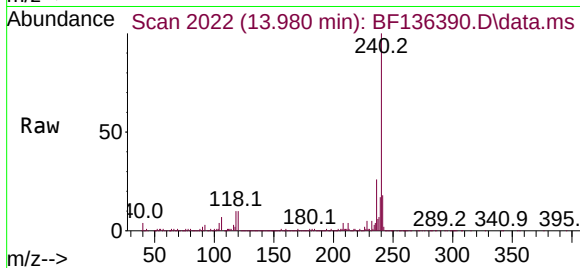
Tgt Ion:240 Resp: 277650

Ion Ratio Lower Upper

240 100

120 10.5 7.4 11.2

236 26.1 21.1 31.7



#77

Benzdine

Concen: 2.078 ng

RT: 12.922 min Scan# 1842

Delta R.T. 0.253 min

Lab File: BF136390.D

Acq: 04 Dec 2023 19:34

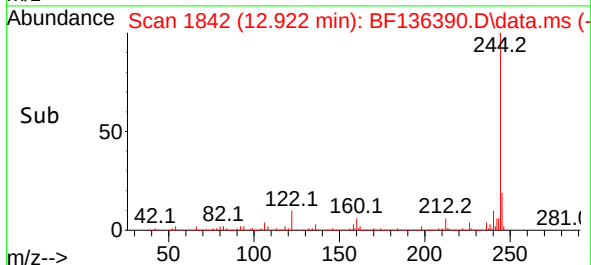
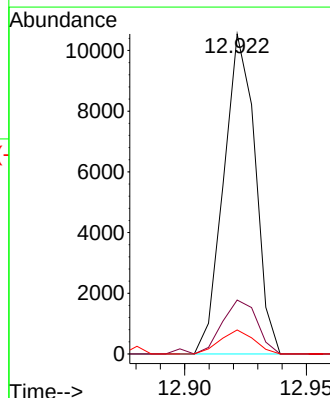
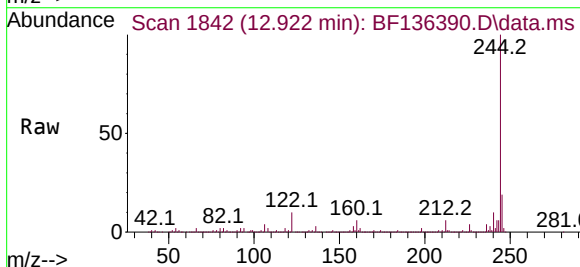
Tgt Ion:184 Resp: 9482

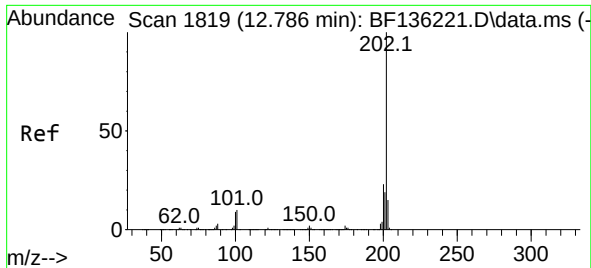
Ion Ratio Lower Upper

184 100

185 16.9 11.0 16.6#

183 7.5 9.0 13.4#

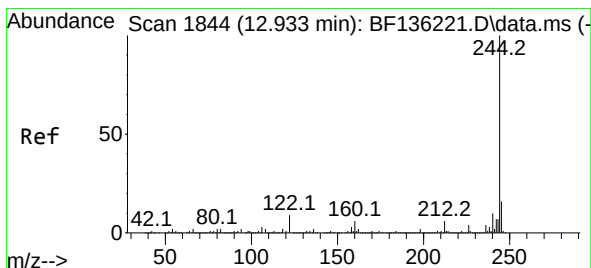
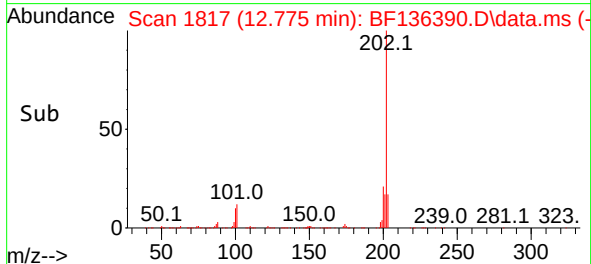
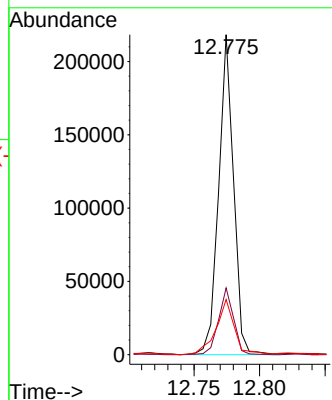
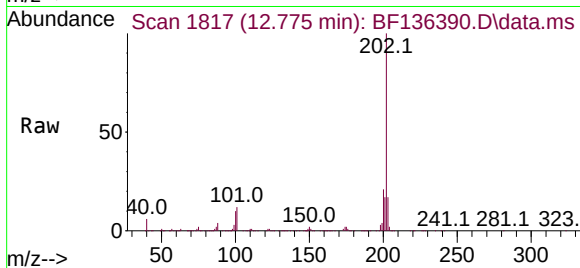




#78
 Pyrene
 Concen: 5.676 ng
 RT: 12.775 min Scan# 1817
 Delta R.T. 0.000 min
 Lab File: BF136390.D
 Acq: 04 Dec 2023 19:34

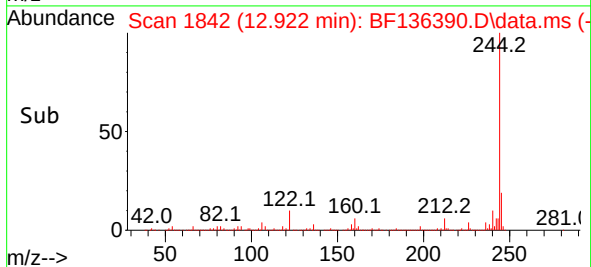
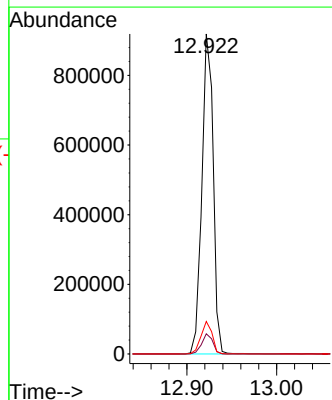
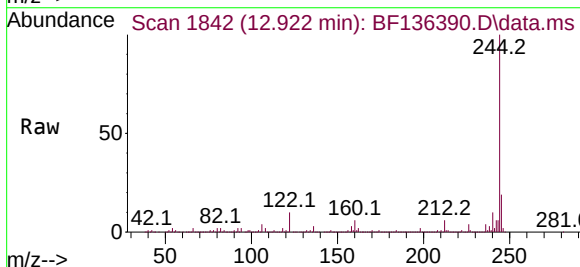
Instrument :
 BNA_F
 ClientSampleId :

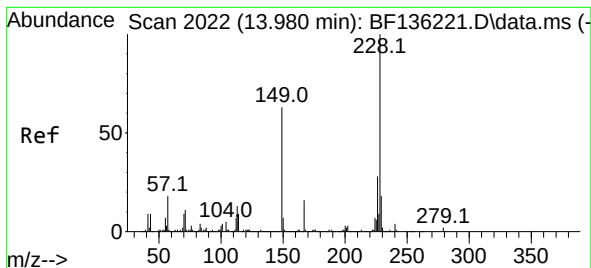
Tgt Ion:202 Resp: 172594
 Ion Ratio Lower Upper
 202 100
 200 20.9 18.4 27.6
 203 17.3 11.8 17.6



#79
 Terphenyl-d14
 Concen: 33.482 ng
 RT: 12.922 min Scan# 1842
 Delta R.T. -0.006 min
 Lab File: BF136390.D
 Acq: 04 Dec 2023 19:34

Tgt Ion:244 Resp: 805928
 Ion Ratio Lower Upper
 244 100
 212 6.3 4.6 7.0
 122 10.2 7.3 10.9





#81

Benzo(a)anthracene

Concen: 3.517 ng

RT: 13.969 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF136390.D

Acq: 04 Dec 2023 19:34

Instrument :

BNA_F

ClientSampleId :

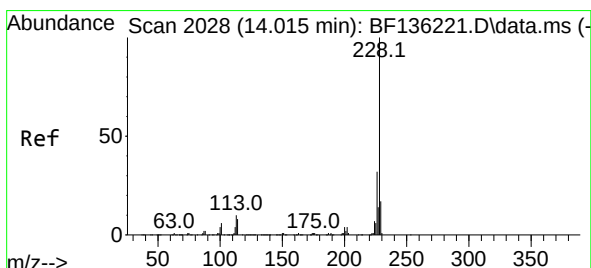
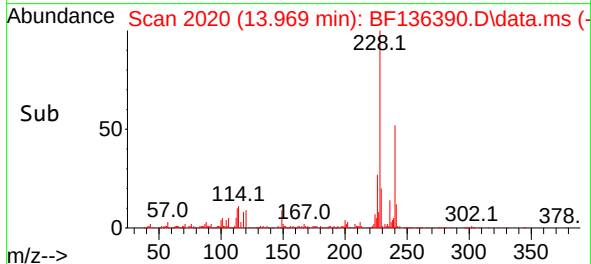
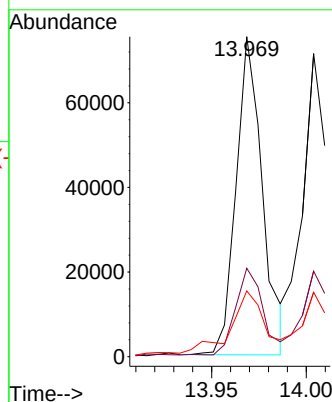
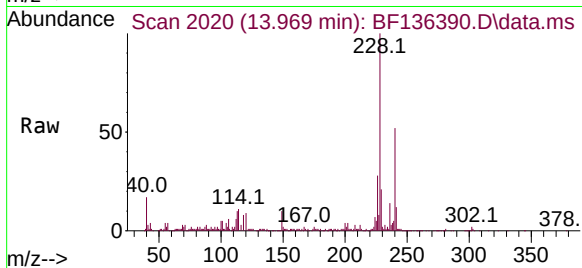
Tgt Ion:228 Resp: 72533

Ion Ratio Lower Upper

228 100

226 27.6 22.6 34.0

229 20.6 14.0 21.0



#83

Chrysene

Concen: 3.643 ng

RT: 13.969 min Scan# 2020

Delta R.T. -0.041 min

Lab File: BF136390.D

Acq: 04 Dec 2023 19:34

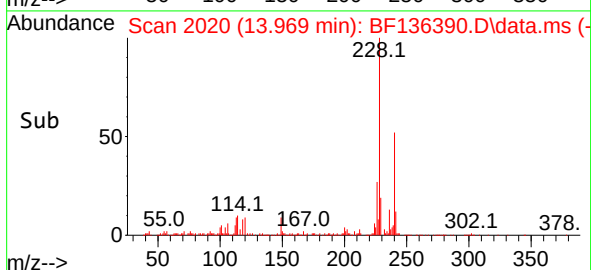
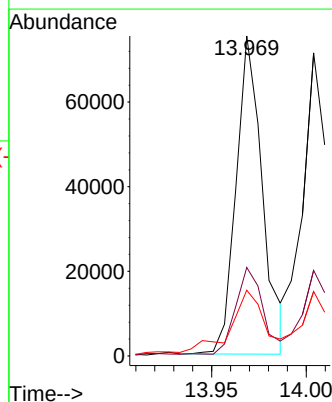
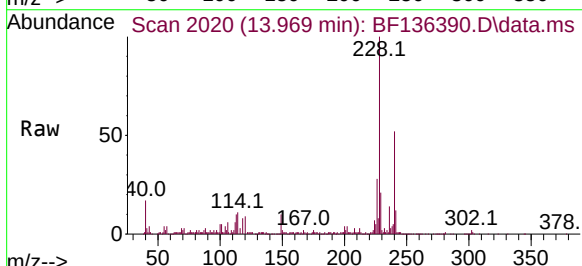
Tgt Ion:228 Resp: 72533

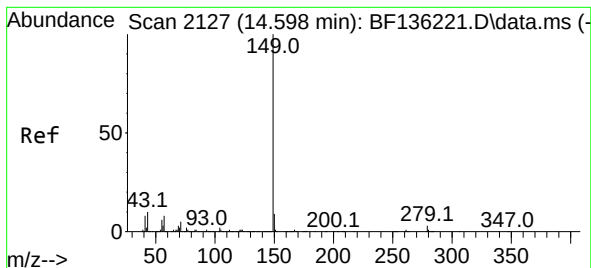
Ion Ratio Lower Upper

228 100

226 27.6 25.5 38.3

229 20.6 13.9 20.9





#85

Di-n-octyl phthalate

Concen: 5.175 ng

RT: 14.580 min Scan# 2127

Delta R.T. -0.006 min

Lab File: BF136390.D

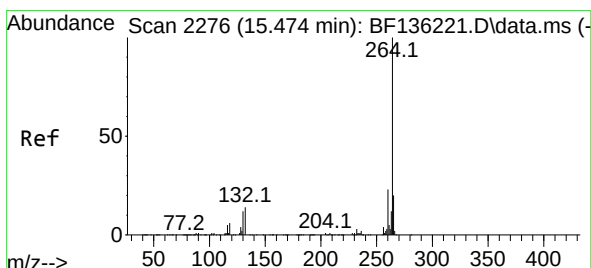
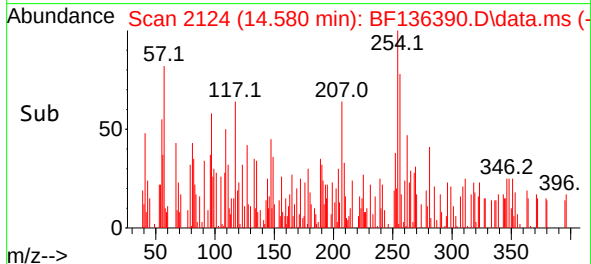
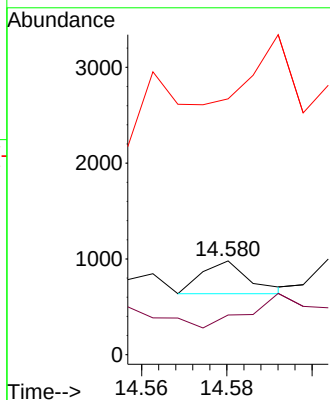
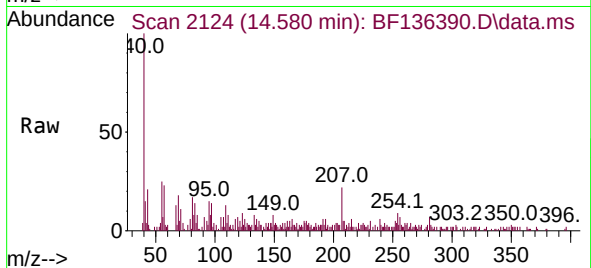
Acq: 04 Dec 2023 19:34

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	149	Resp:	264
Ion	Ratio	Lower	Upper
149	100		
167	161.0	1.0	1.6#
43	181.1	7.2	10.8#



#86

Perylene-d12

Concen: 20.000 ng

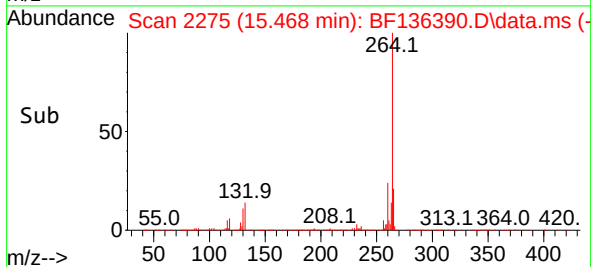
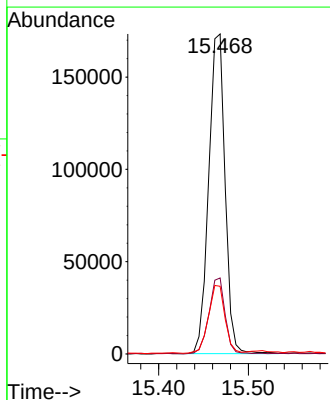
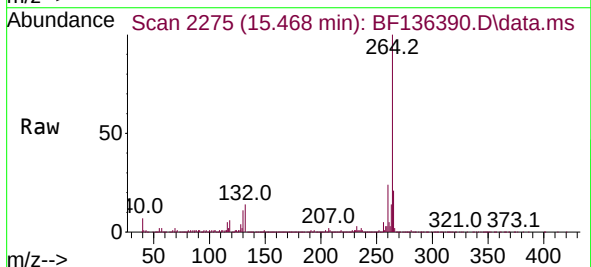
RT: 15.468 min Scan# 2275

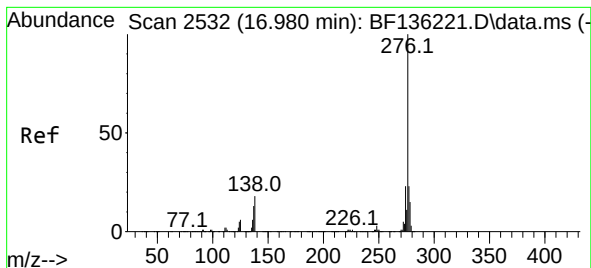
Delta R.T. 0.012 min

Lab File: BF136390.D

Acq: 04 Dec 2023 19:34

Tgt Ion:	264	Resp:	219512
Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	27.8
265	21.1	15.7	23.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.713 ng

RT: 16.962 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136390.D

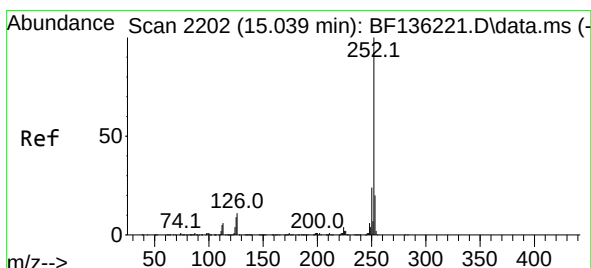
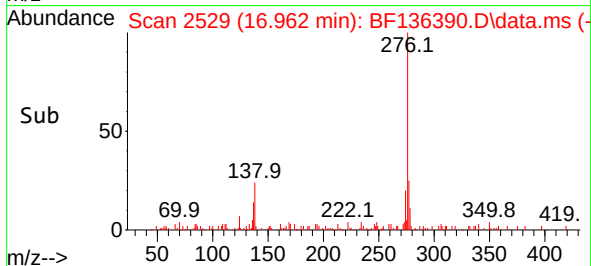
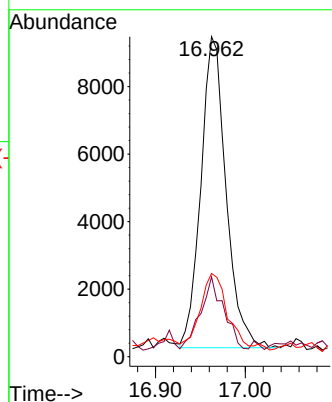
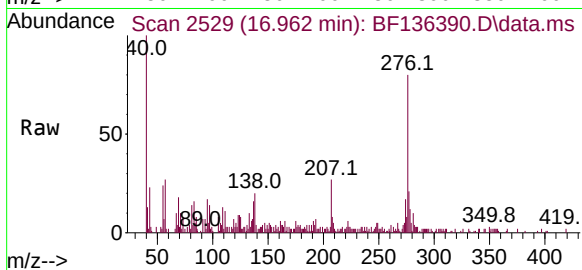
Acq: 04 Dec 2023 19:34

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	276	Resp:	17964
Ion Ratio	Lower	Upper	
276	100		
138	23.7	17.7	26.5
277	30.1	19.6	29.4#



#88

Benzo(b)fluoranthene

Concen: 4.910 ng

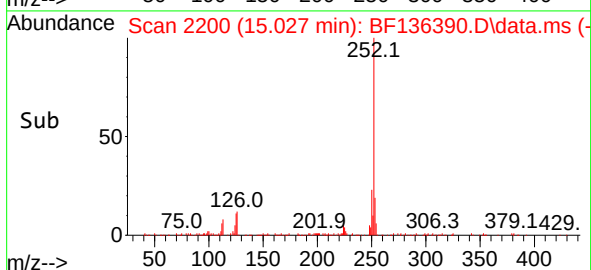
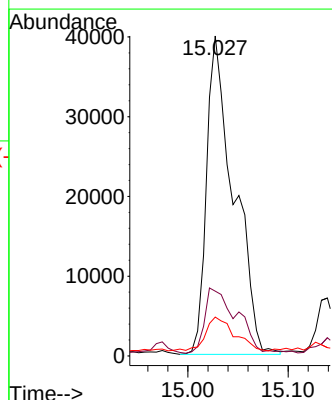
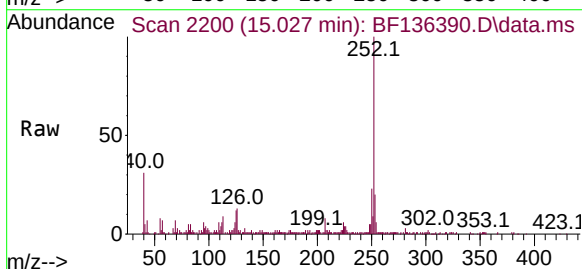
RT: 15.027 min Scan# 2200

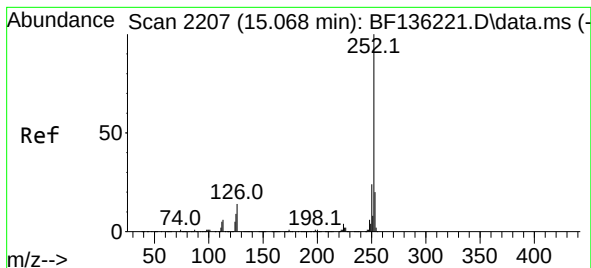
Delta R.T. 0.000 min

Lab File: BF136390.D

Acq: 04 Dec 2023 19:34

Tgt Ion:	252	Resp:	75621
Ion Ratio	Lower	Upper	
252	100		
253	20.2	16.2	24.2
125	12.2	6.9	10.3#





#89

Benzo(k)fluoranthene

Concen: 5.170 ng

RT: 15.027 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF136390.D

Acq: 04 Dec 2023 19:34

Instrument :

BNA_F

ClientSampleId :

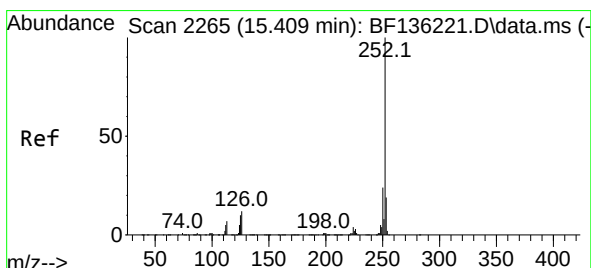
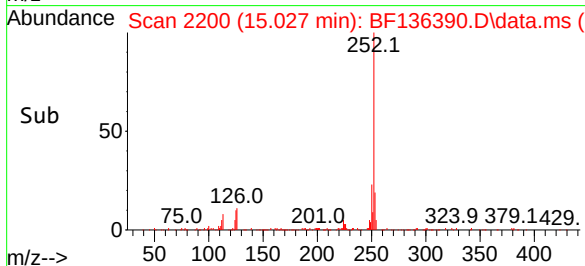
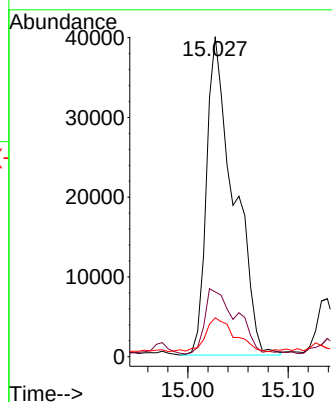
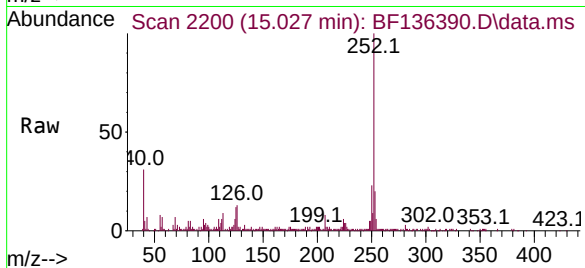
Tgt Ion:252 Resp: 75621

Ion Ratio Lower Upper

252 100

253 20.2 15.6 23.4

125 12.2 7.0 10.4#



#90

Benzo(a)pyrene

Concen: 2.885 ng

RT: 15.398 min Scan# 2263

Delta R.T. 0.000 min

Lab File: BF136390.D

Acq: 04 Dec 2023 19:34

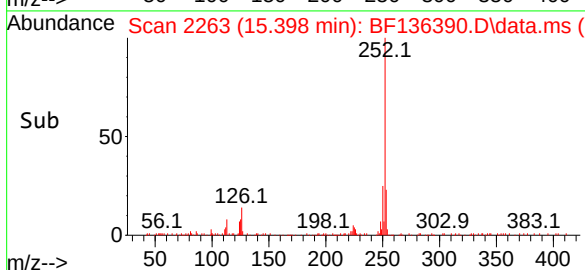
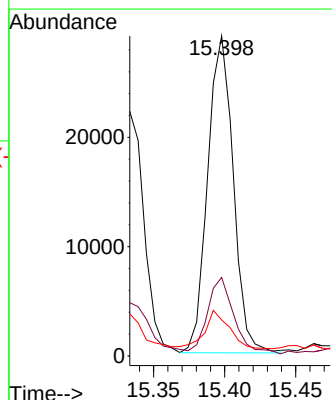
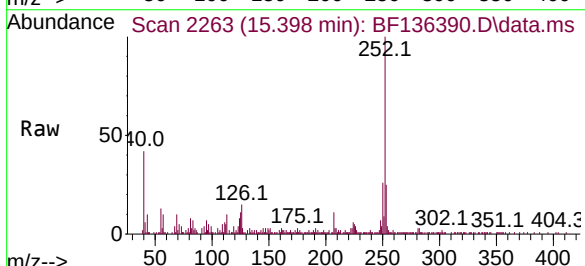
Tgt Ion:252 Resp: 36315

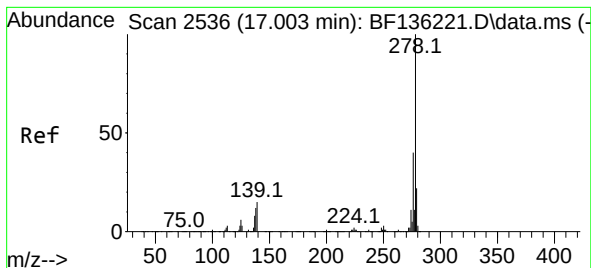
Ion Ratio Lower Upper

252 100

253 24.6 15.5 23.3#

125 11.3 7.9 11.9





#91

Dibenzo(a,h)anthracene

Concen: 3.096 ng

RT: 16.986 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136390.D

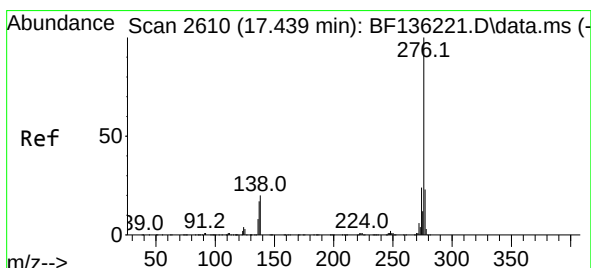
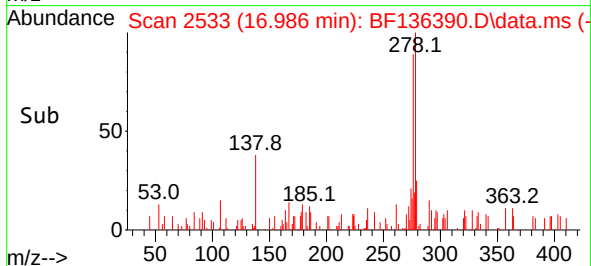
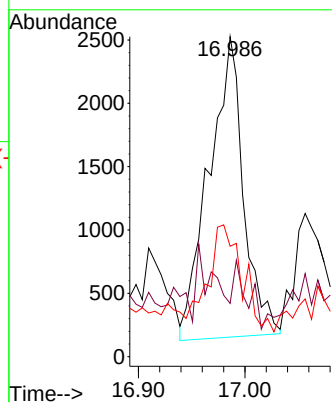
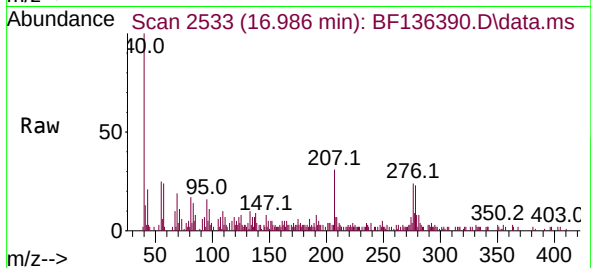
Acq: 04 Dec 2023 19:34

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	278	Resp:	5334
Ion Ratio	Lower	Upper	
278	100		
139	16.6	11.7	17.5
279	34.5	17.8	26.8



#92

Benzo(g,h,i)perylene

Concen: 3.171 ng

RT: 17.421 min Scan# 2607

Delta R.T. 0.000 min

Lab File: BF136390.D

Acq: 04 Dec 2023 19:34

Tgt Ion:	276	Resp:	17477
Ion Ratio	Lower	Upper	
276	100		
277	24.9	18.6	27.8
138	20.9	15.8	23.8

