

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120423\
 Data File : BF136389.D
 Acq On : 04 Dec 2023 19:03
 Operator : CG\JU
 Sample : 05521-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 05 00:35:57 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)

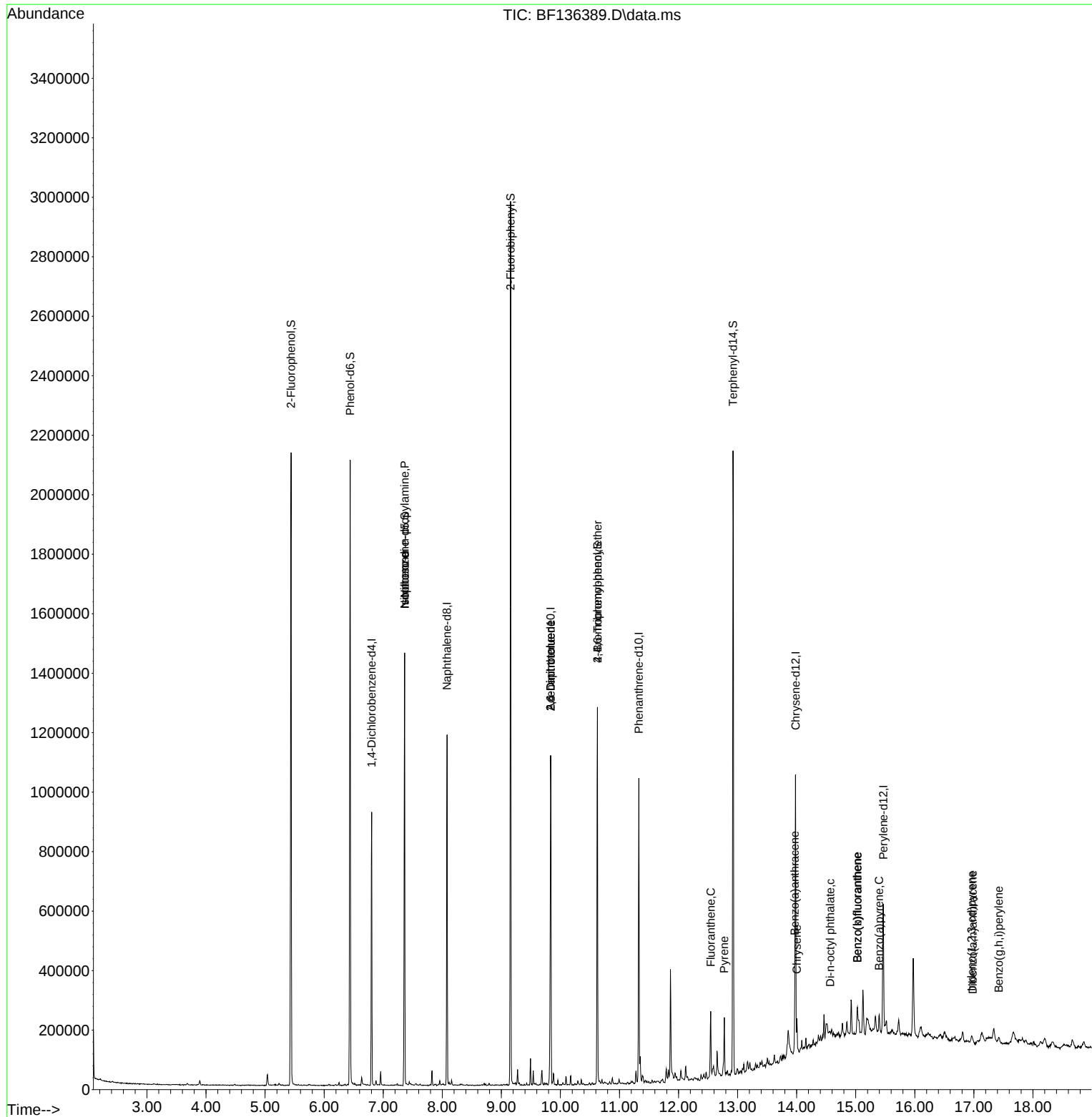
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	128427	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	482916	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	215526	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	348138	20.000	ng	0.00
76) Chrysene-d12	13.980	240	285485	20.000	ng	0.00
86) Perylene-d12	15.468	264	225728	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	580003	62.859	ng	0.00
7) Phenol-d6	6.440	99	700279	60.697	ng	0.00
23) Nitrobenzene-d5	7.363	82	426556	46.676	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	152336	57.813	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	787119	46.648	ng	0.00
79) Terphenyl-d14	12.922	244	764011	30.869	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.363	70	55455	8.037	ng	# 72
25) Isophorone	7.363	82	422218	25.623	ng	# 68
51) 2,6-Dinitrotoluene	9.833	165	28436	8.545	ng	# 24
57) 2,4-Dinitrotoluene	9.833	165	28436	6.397	ng	# 28
67) 4-Bromophenyl-phenylether	10.628	248	9387	2.311	ng	# 1
75) Fluoranthene	12.545	202	82156	4.136	ng	96
78) Pyrene	12.774	202	74124	2.371	ng	94
81) Benzo(a)anthracene	13.969	228	45012	2.123	ng	97
83) Chrysene	14.004	228	42841	2.092	ng	# 92
85) Di-n-octyl phthalate	14.568	149	1013	5.210	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.962	276	20325	3.817	ng	96
88) Benzo(b)fluoranthene	15.027	252	66916	4.225	ng	# 90
89) Benzo(k)fluoranthene	15.027	252	66916	4.449	ng	# 89
90) Benzo(a)pyrene	15.398	252	31491	2.432	ng	# 85
91) Dibenzo(a,h)anthracene	16.980	278	5270	3.081	ng	# 56
92) Benzo(g,h,i)perylene	17.421	276	19072	3.249	ng	96

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

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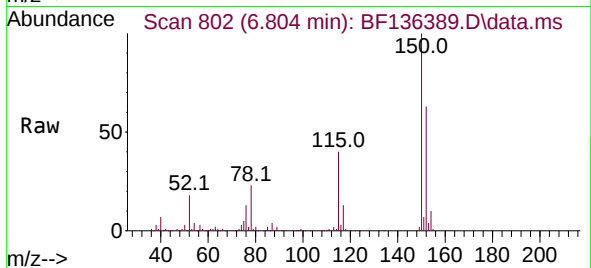
Quant Time: Dec 05 00:35:57 2023
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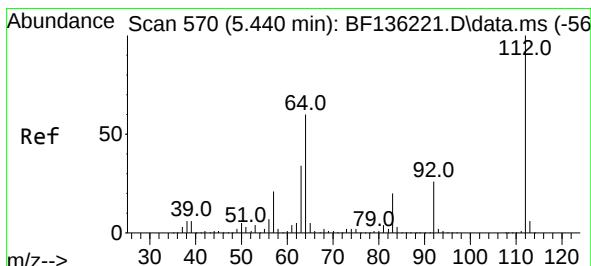
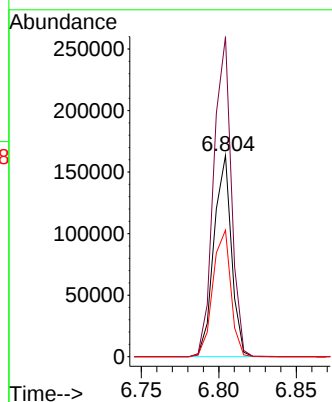
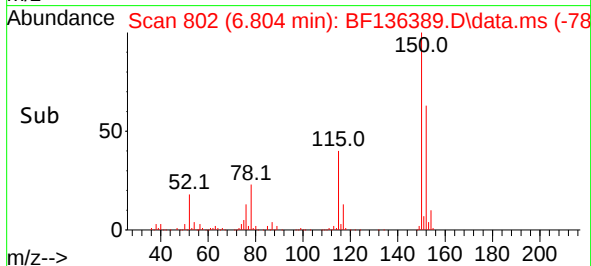


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. 0.000 min
Lab File: BF136389.D
Acq: 04 Dec 2023 19:03

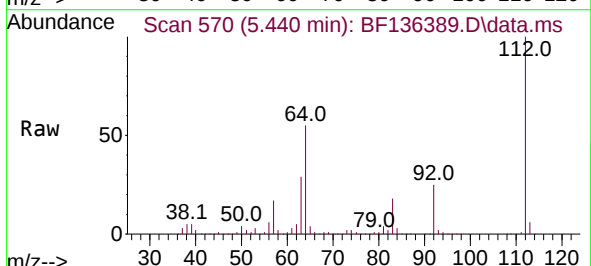
Instrument :
BNA_F
ClientSampleId :



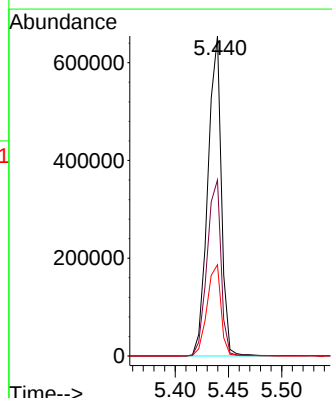
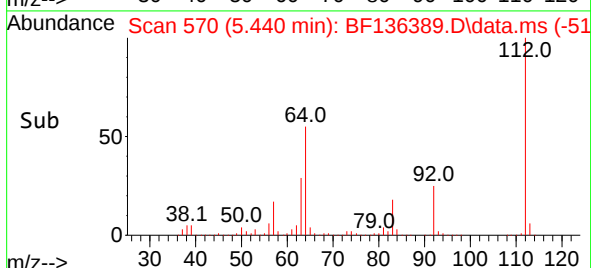
Tgt Ion:152 Resp: 128427
Ion Ratio Lower Upper
152 100
150 159.0 137.8 206.8
115 62.9 52.7 79.1

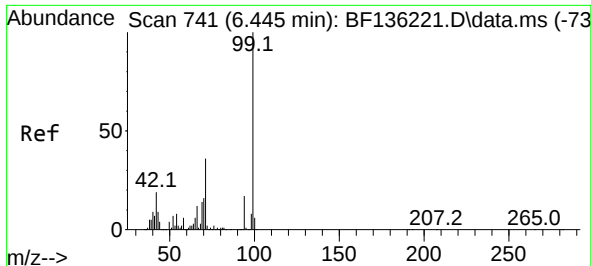


#5
2-Fluorophenol
Concen: 62.859 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF136389.D
Acq: 04 Dec 2023 19:03



Tgt Ion:112 Resp: 580003
Ion Ratio Lower Upper
112 100
64 55.0 48.2 72.4
63 28.5 27.0 40.6

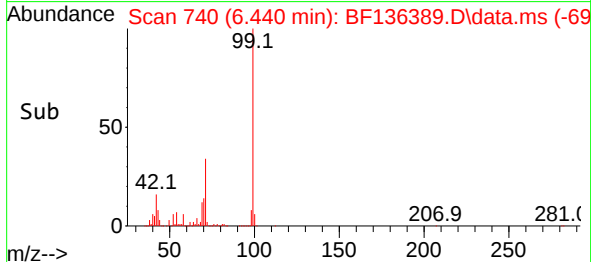
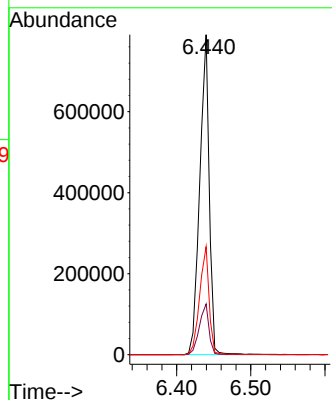
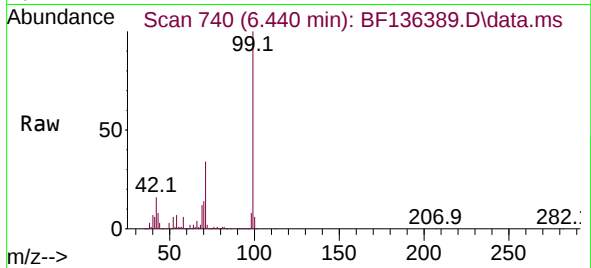




#7
Phenol-d6
Concen: 60.697 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136389.D
Acq: 04 Dec 2023 19:03

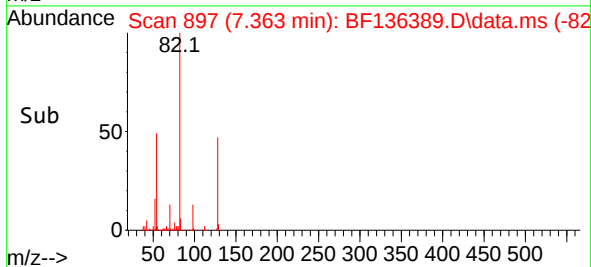
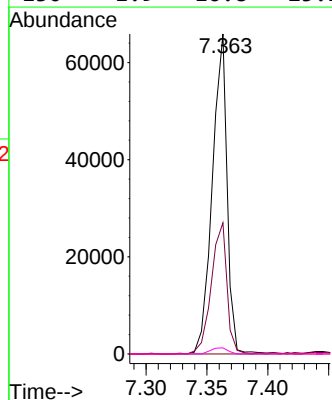
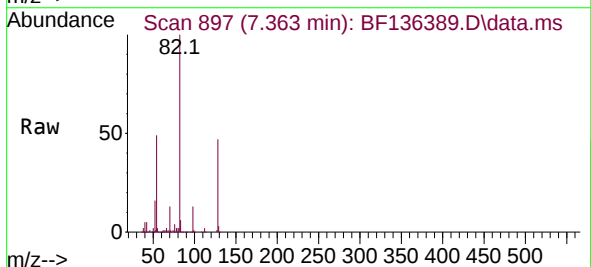
Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 700279
Ion Ratio Lower Upper
99 100
42 15.8 15.0 22.6
71 33.7 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 8.037 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.141 min
Lab File: BF136389.D
Acq: 04 Dec 2023 19:03

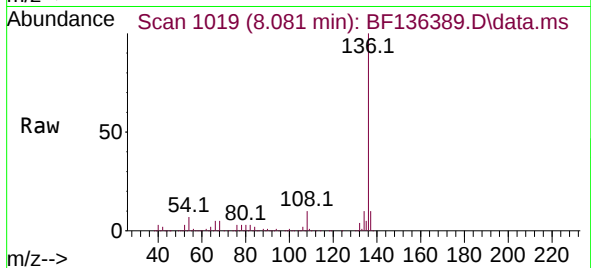
Tgt Ion: 70 Resp: 55455
Ion Ratio Lower Upper
70 100
42 41.0 47.0 70.4#
101 0.0 7.8 11.8#
130 1.9 16.8 25.2#



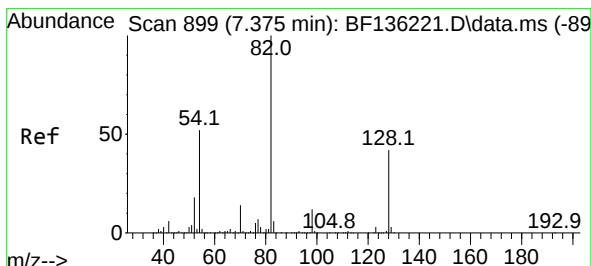
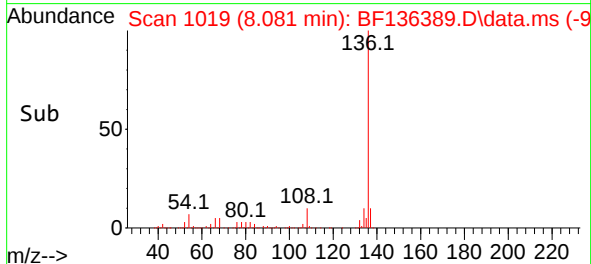
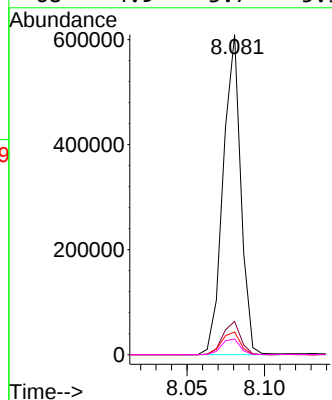


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF136389.D
Acq: 04 Dec 2023 19:03

Instrument :
BNA_F
ClientSampleId :

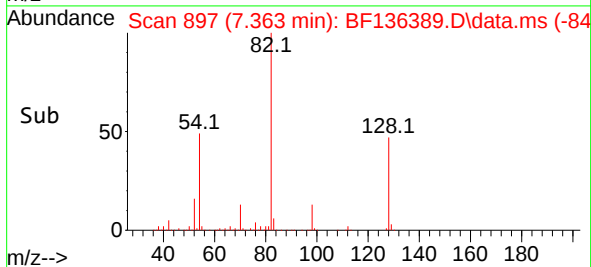
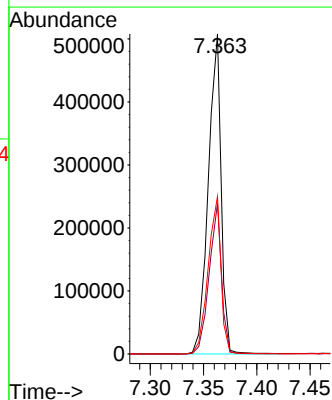
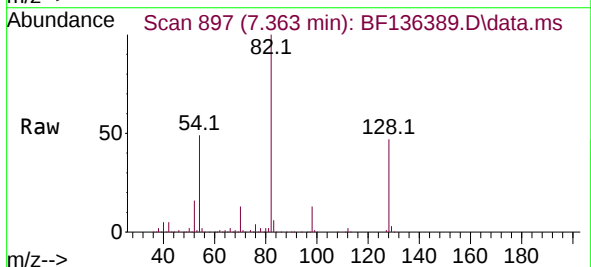


Tgt Ion:136 Resp: 482916
Ion Ratio Lower Upper
136 100
137 10.4 7.4 11.2
54 7.1 5.5 8.3
68 4.9 3.7 5.5



#23
Nitrobenzene-d5
Concen: 46.676 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF136389.D
Acq: 04 Dec 2023 19:03

Tgt Ion: 82 Resp: 426556
Ion Ratio Lower Upper
82 100
128 47.0 33.4 50.2
54 49.2 41.7 62.5

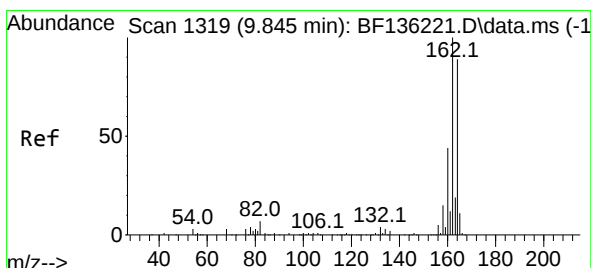
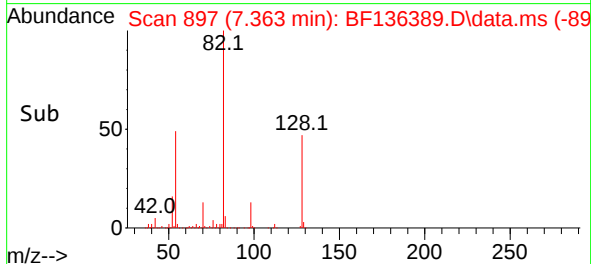
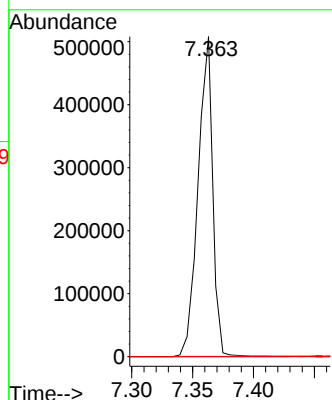
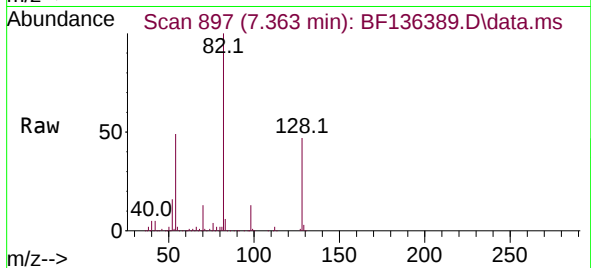




#25
Isophorone
Concen: 25.623 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.264 min
Lab File: BF136389.D
Acq: 04 Dec 2023 19:03

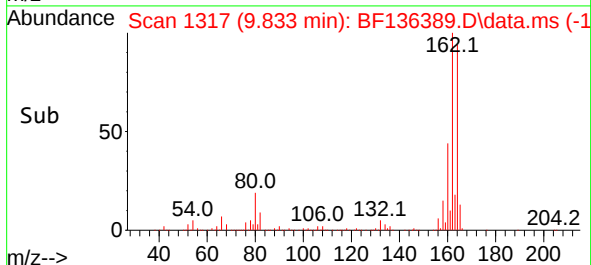
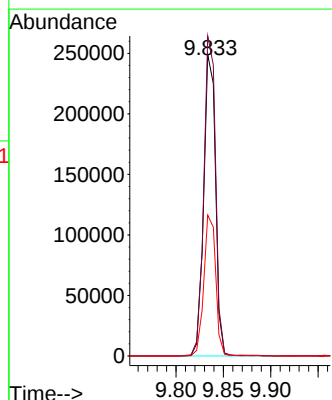
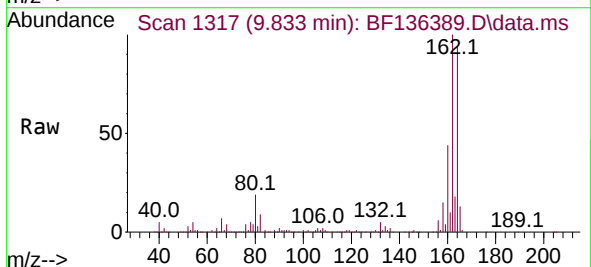
Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 422218
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: BF136389.D
Acq: 04 Dec 2023 19:03

Tgt Ion: 164 Resp: 215526
Ion Ratio Lower Upper
164 100
162 106.2 89.5 134.3
160 46.7 39.6 59.4





#42

2,4,6-Tribromophenol

Concen: 57.813 ng

RT: 10.628 min Scan# 1454

Delta R.T. -0.006 min

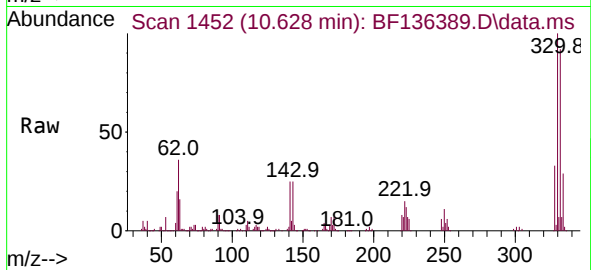
Lab File: BF136389.D

Acq: 04 Dec 2023 19:03

Instrument :

BNA_F

ClientSampleId :



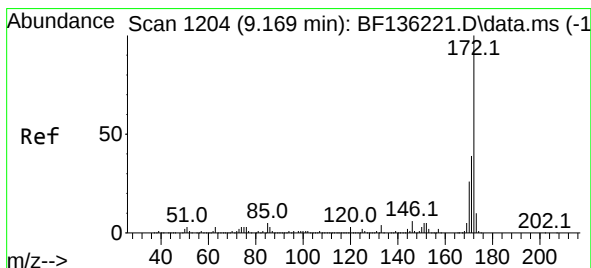
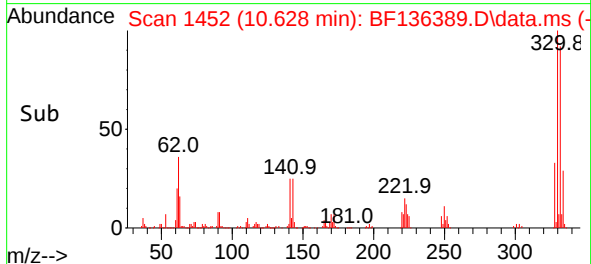
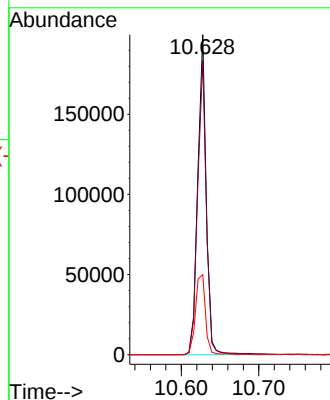
Tgt Ion:330 Resp: 152336

Ion Ratio Lower Upper

330 100

332 94.3 73.0 109.6

141 29.7 24.2 36.2



#45

2-Fluorobiphenyl

Concen: 46.648 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF136389.D

Acq: 04 Dec 2023 19:03

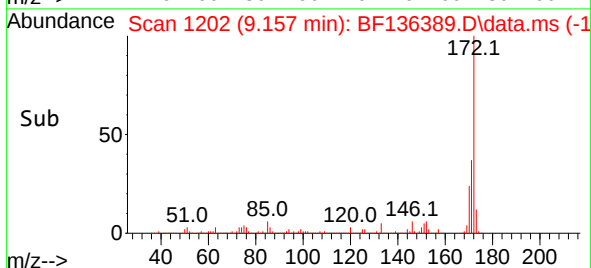
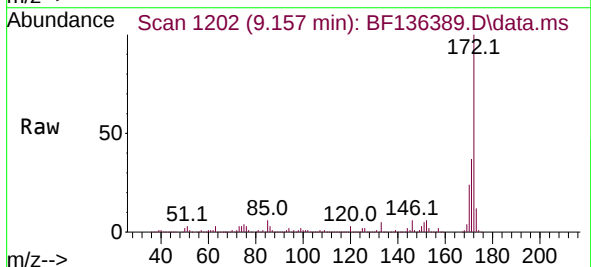
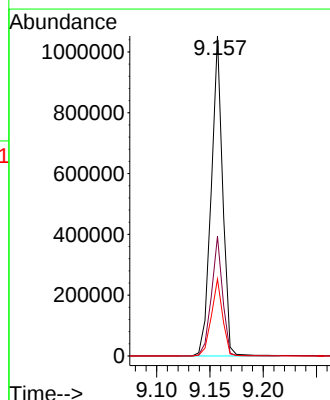
Tgt Ion:172 Resp: 787119

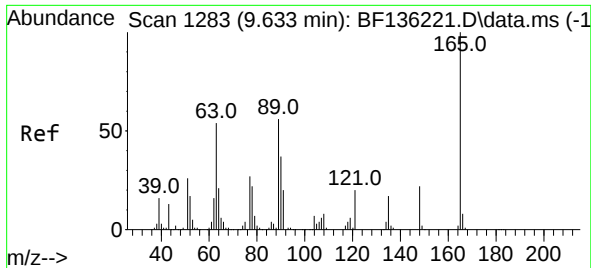
Ion Ratio Lower Upper

172 100

171 37.4 31.5 47.3

170 24.0 20.8 31.2

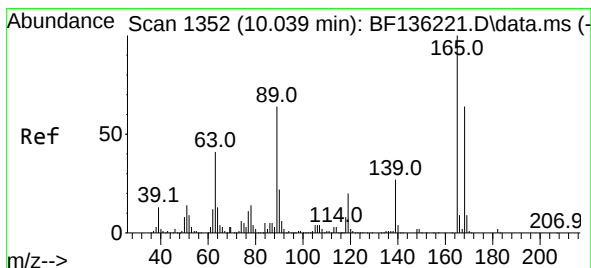
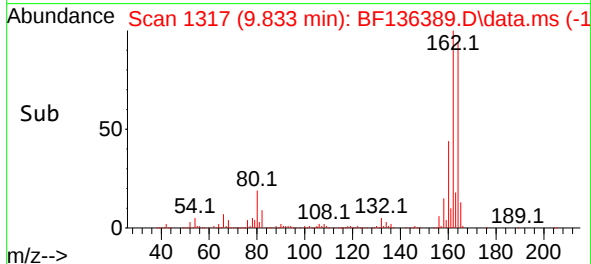
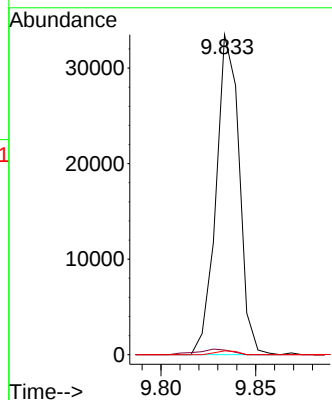
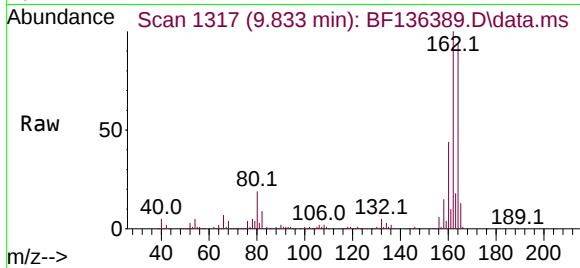




#51
2,6-Dinitrotoluene
Concen: 8.545 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF136389.D
Acq: 04 Dec 2023 19:03

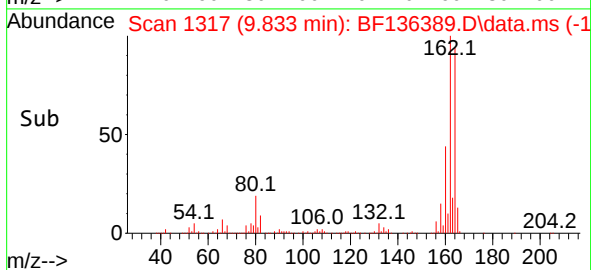
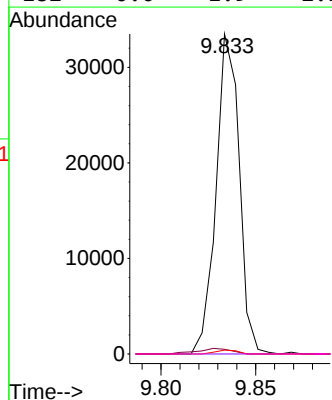
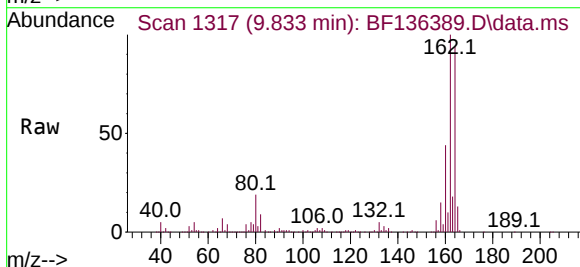
Instrument :
BNA_F
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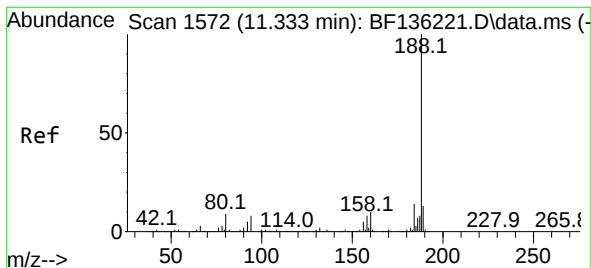
Tgt Ion:165 Resp: 28436
Ion Ratio Lower Upper
165 100
63 1.5 46.2 69.2#
89 1.2 44.9 67.3#



#57
2,4-Dinitrotoluene
Concen: 6.397 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.200 min
Lab File: BF136389.D
Acq: 04 Dec 2023 19:03

Tgt Ion:165 Resp: 28436
Ion Ratio Lower Upper
165 100
63 1.5 33.0 49.4#
89 1.2 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: BF136389.D

Acq: 04 Dec 2023 19:03

Instrument :

BNA_F

ClientSampleId :

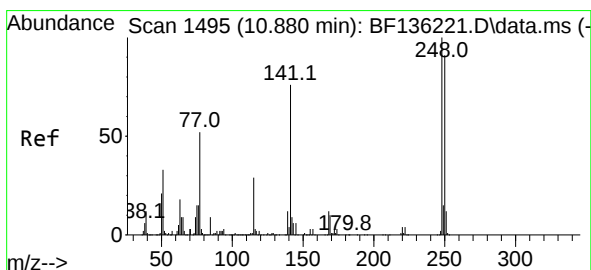
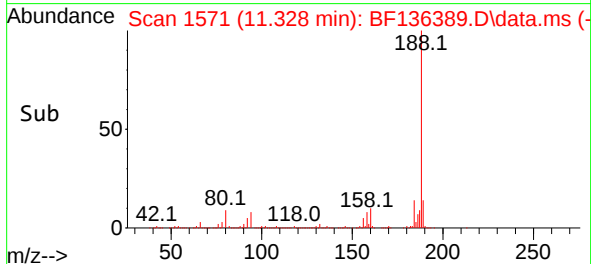
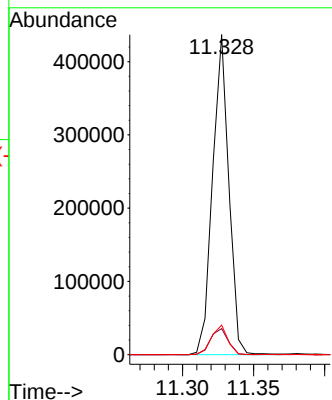
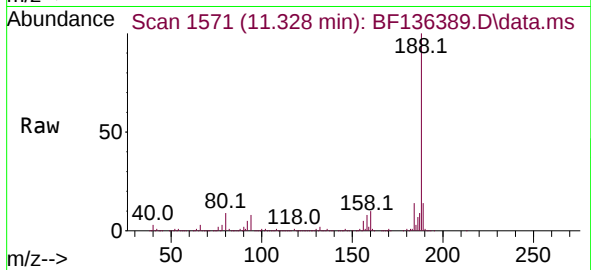
Tgt Ion:188 Resp: 348138

Ion Ratio Lower Upper

188 100

94 8.2 6.7 10.1

80 9.3 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 2.311 ng

RT: 10.628 min Scan# 1452

Delta R.T. -0.247 min

Lab File: BF136389.D

Acq: 04 Dec 2023 19:03

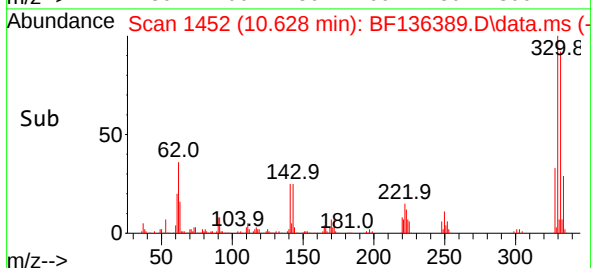
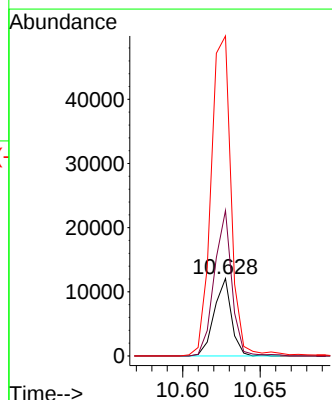
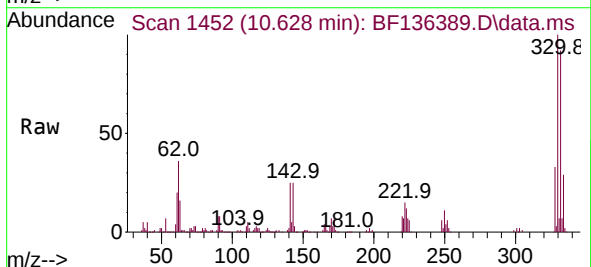
Tgt Ion:248 Resp: 9387

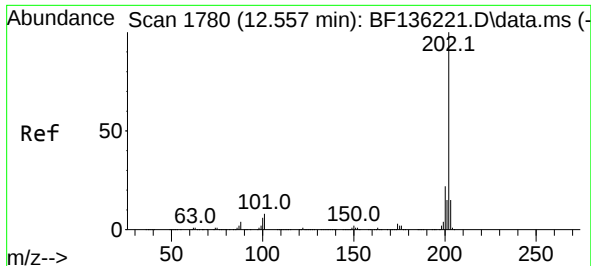
Ion Ratio Lower Upper

248 100

250 187.9 72.5 108.7#

141 413.4 60.8 91.2#

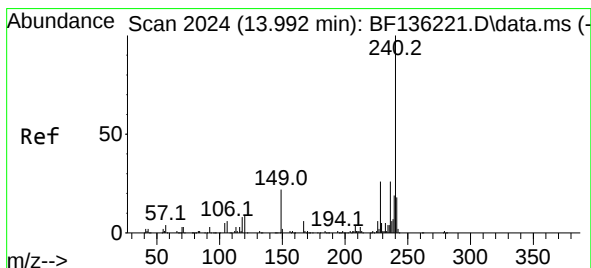
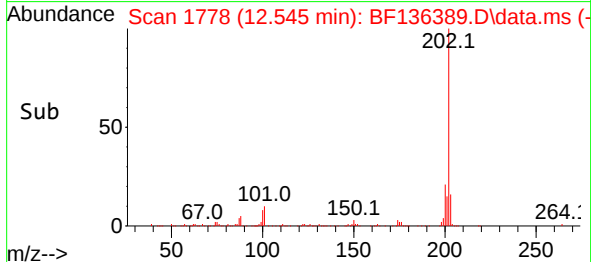
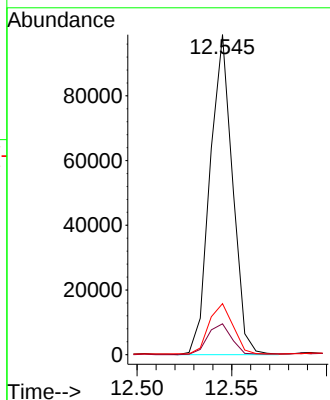
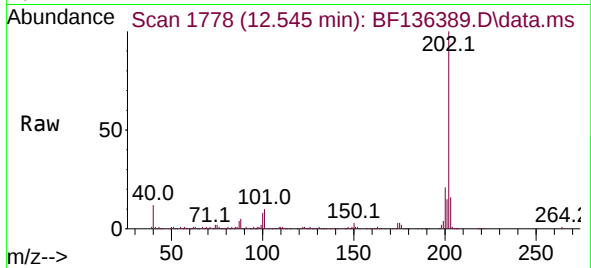




#75
Fluoranthene
Concen: 4.136 ng
RT: 12.545 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF136389.D
Acq: 04 Dec 2023 19:03

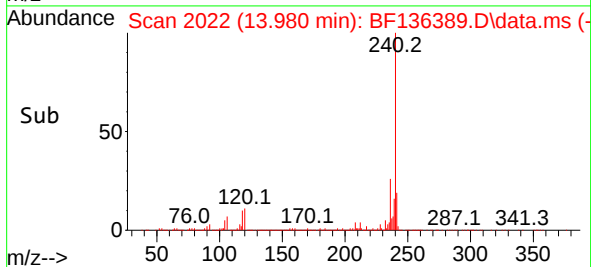
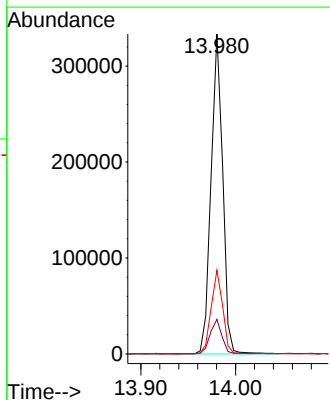
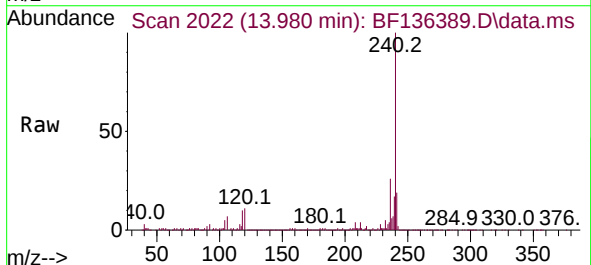
Instrument :
BNA_F
ClientSampleId :

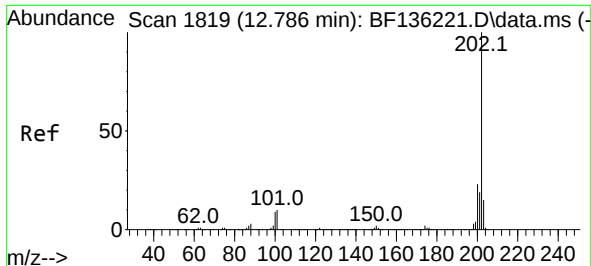
Tgt Ion:202 Resp: 82156
Ion Ratio Lower Upper
202 100
101 9.7 0.0 27.8
203 16.0 0.0 34.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF136389.D
Acq: 04 Dec 2023 19:03

Tgt Ion:240 Resp: 285485
Ion Ratio Lower Upper
240 100
120 10.8 7.4 11.2
236 26.2 21.1 31.7

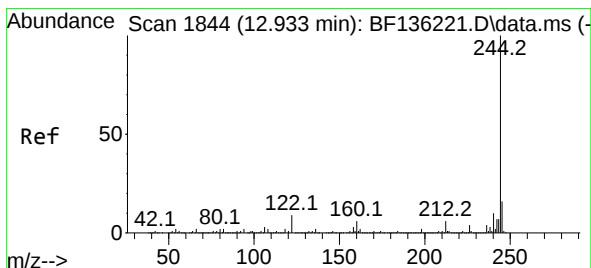
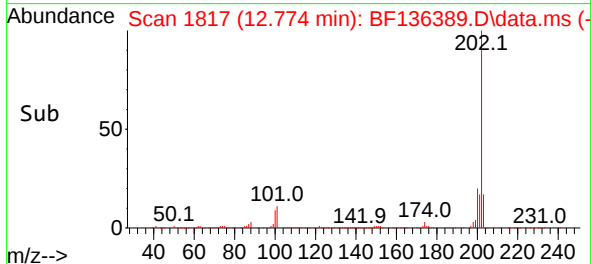
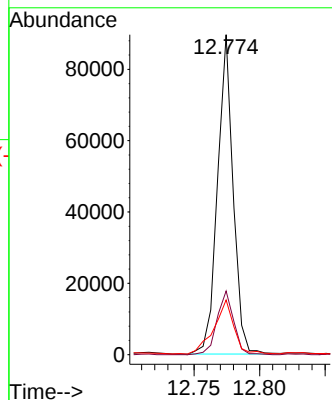
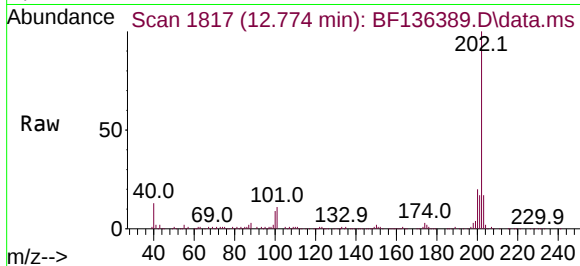




#78
 Pyrene
 Concen: 2.371 ng
 RT: 12.774 min Scan# 1817
 Delta R.T. 0.000 min
 Lab File: BF136389.D
 Acq: 04 Dec 2023 19:03

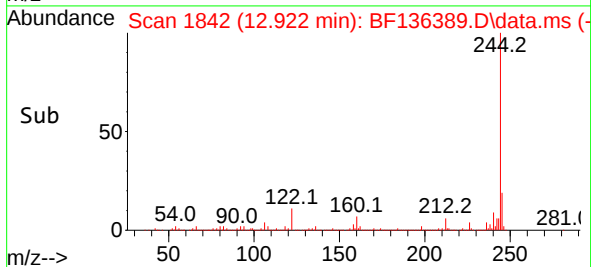
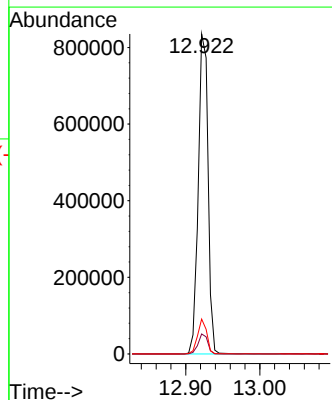
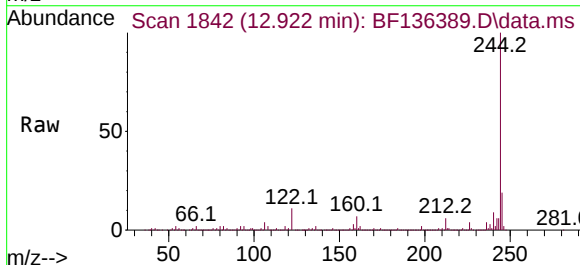
Instrument :
 BNA_F
 ClientSampleId :

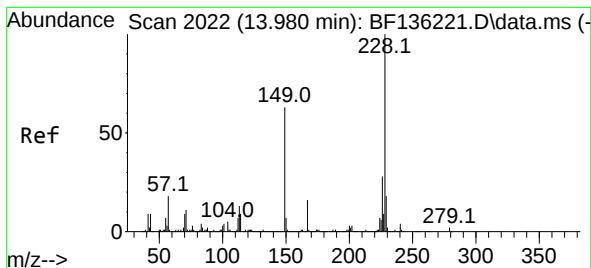
Tgt Ion:202 Resp: 74124
 Ion Ratio Lower Upper
 202 100
 200 19.9 18.4 27.6
 203 17.1 11.8 17.6



#79
 Terphenyl-d14
 Concen: 30.869 ng
 RT: 12.922 min Scan# 1842
 Delta R.T. -0.006 min
 Lab File: BF136389.D
 Acq: 04 Dec 2023 19:03

Tgt Ion:244 Resp: 764011
 Ion Ratio Lower Upper
 244 100
 212 6.2 4.6 7.0
 122 10.9 7.3 10.9





#81

Benzo(a)anthracene

Concen: 2.123 ng

RT: 13.969 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF136389.D

Acq: 04 Dec 2023 19:03

Instrument :

BNA_F

ClientSampleId :

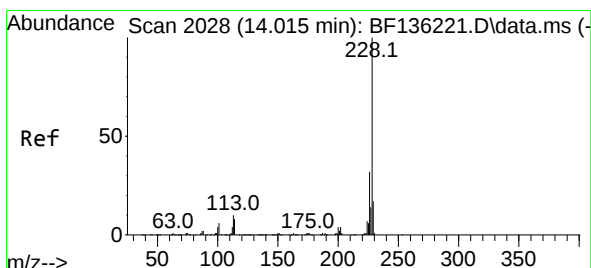
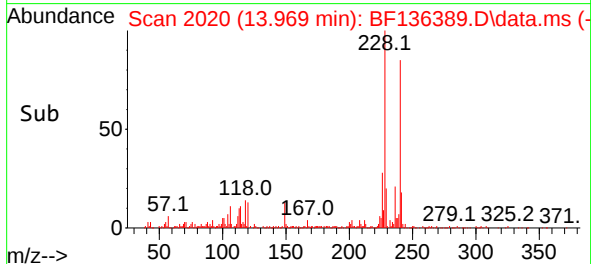
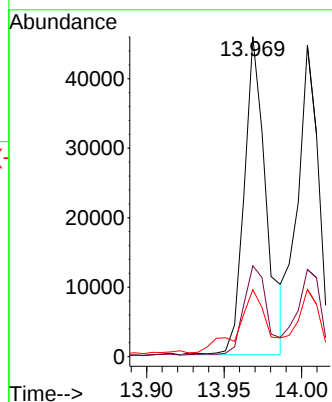
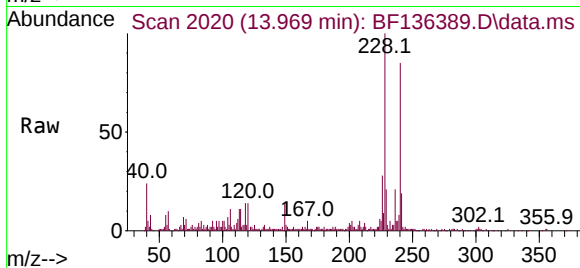
Tgt Ion:228 Resp: 45012

Ion Ratio Lower Upper

228 100

226 28.4 22.6 34.0

229 21.0 14.0 21.0



#83

Chrysene

Concen: 2.092 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.006 min

Lab File: BF136389.D

Acq: 04 Dec 2023 19:03

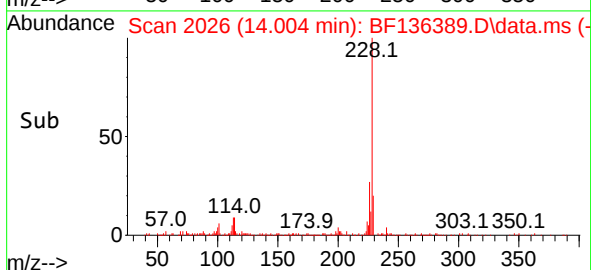
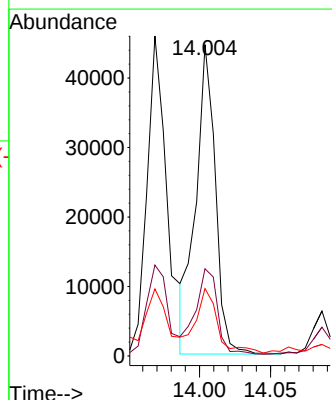
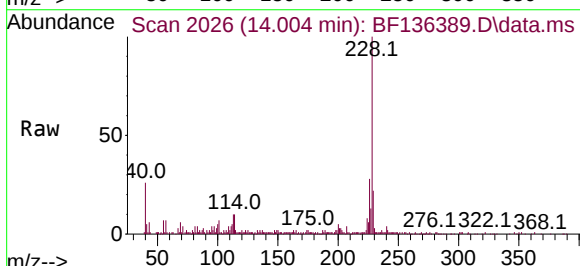
Tgt Ion:228 Resp: 42841

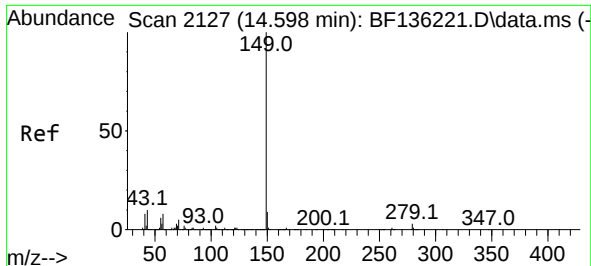
Ion Ratio Lower Upper

228 100

226 28.0 25.5 38.3

229 21.6 13.9 20.9#

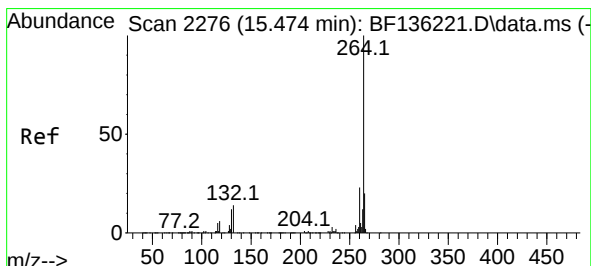
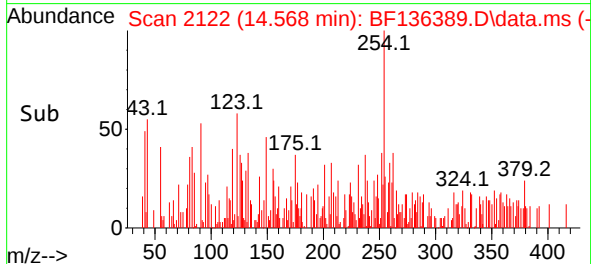
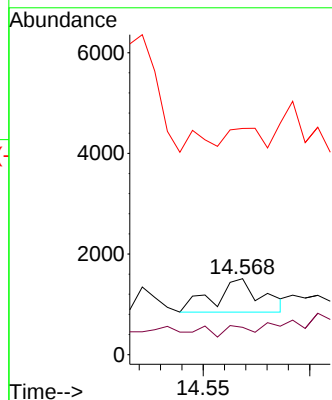
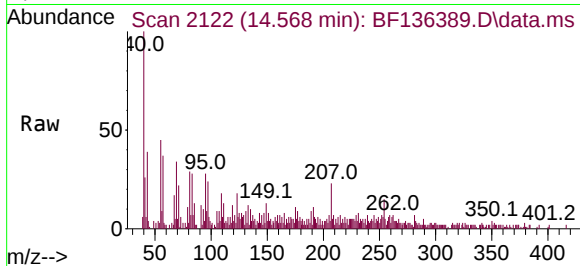




#85
Di-n-octyl phthalate
Concen: 5.210 ng
RT: 14.568 min Scan# 2127
Delta R.T. -0.017 min
Lab File: BF136389.D
Acq: 04 Dec 2023 19:03

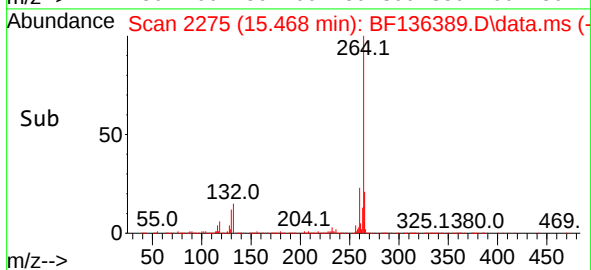
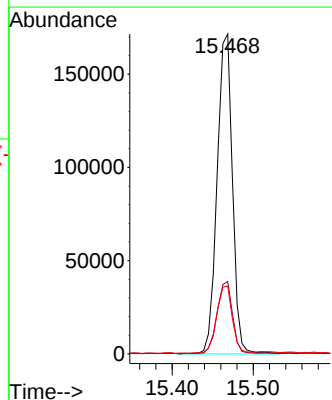
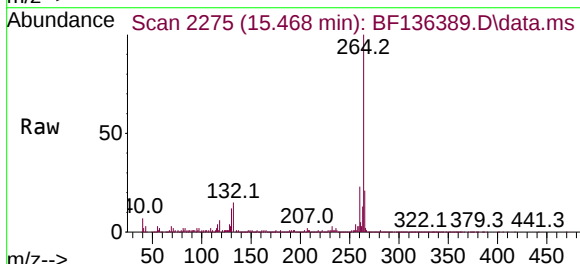
Instrument :
BNA_F
ClientSampleId :

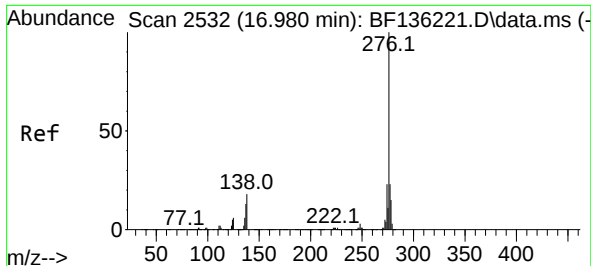
Tgt Ion:149 Resp: 1013
Ion Ratio Lower Upper
149 100
167 18.1 1.0 1.6#
43 100.2 7.2 10.8#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2275
Delta R.T. 0.012 min
Lab File: BF136389.D
Acq: 04 Dec 2023 19:03

Tgt Ion:264 Resp: 225728
Ion Ratio Lower Upper
264 100
260 22.6 18.6 27.8
265 21.2 15.7 23.5

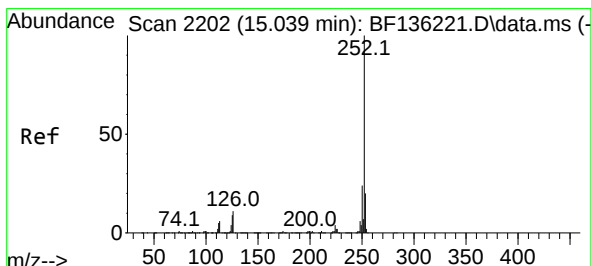
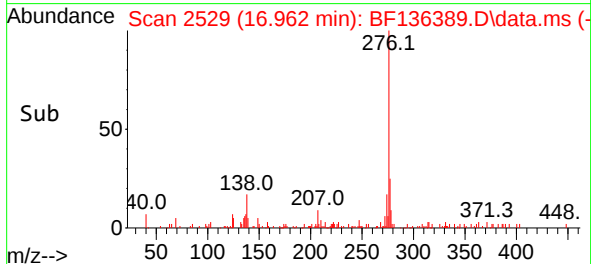
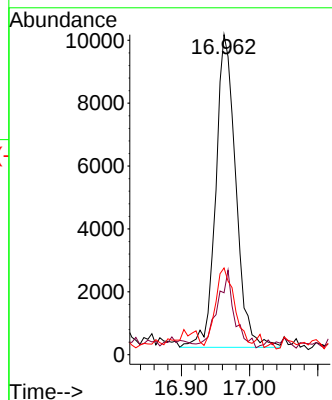
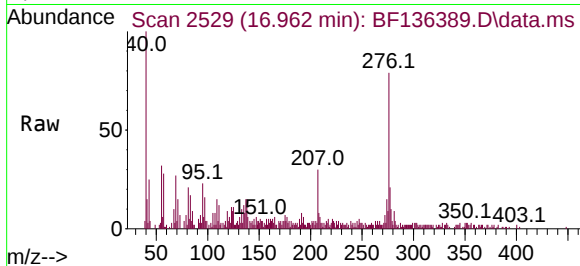




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.817 ng
 RT: 16.962 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF136389.D
 Acq: 04 Dec 2023 19:03

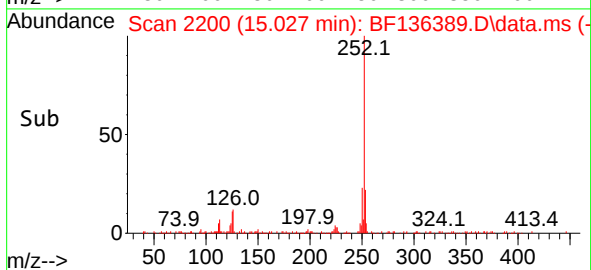
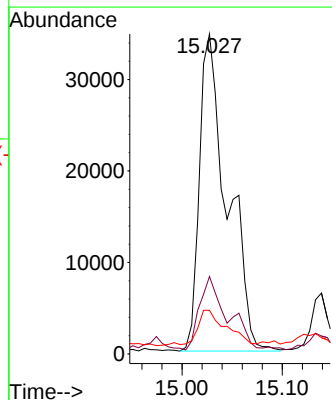
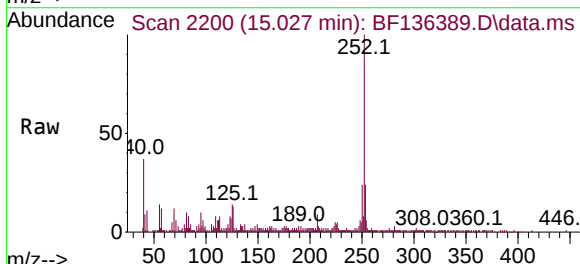
Instrument :
 BNA_F
 ClientSampleId :

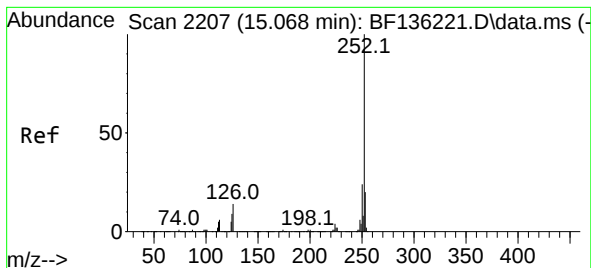
Tgt Ion:276	Resp:	20325
Ion Ratio	Lower	Upper
276	100	
138	19.4	17.7 26.5
277	23.3	19.6 29.4



#88
 Benzo(b)fluoranthene
 Concen: 4.225 ng
 RT: 15.027 min Scan# 2200
 Delta R.T. 0.000 min
 Lab File: BF136389.D
 Acq: 04 Dec 2023 19:03

Tgt Ion:252	Resp:	66916
Ion Ratio	Lower	Upper
252	100	
253	24.2	16.2 24.2
125	13.6	6.9 10.3#





#89

Benzo(k)fluoranthene

Concen: 4.449 ng

RT: 15.027 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF136389.D

Acq: 04 Dec 2023 19:03

Instrument :

BNA_F

ClientSampleId :

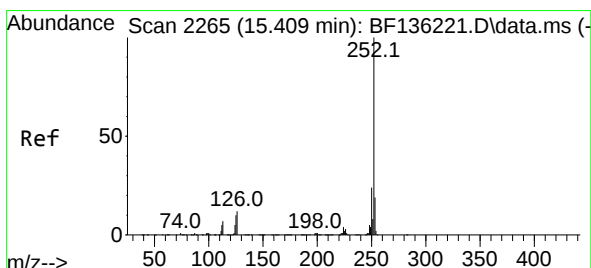
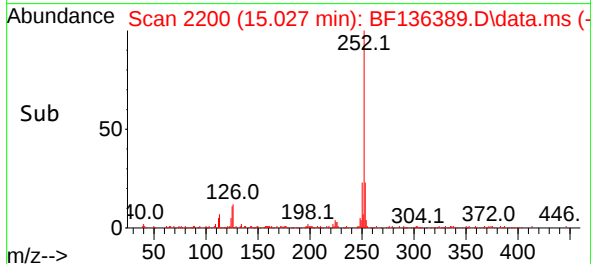
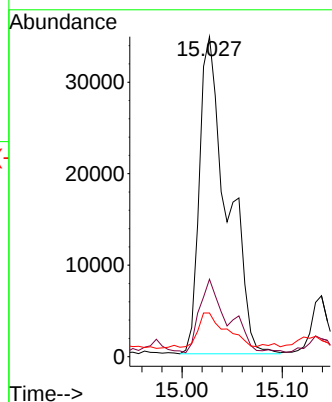
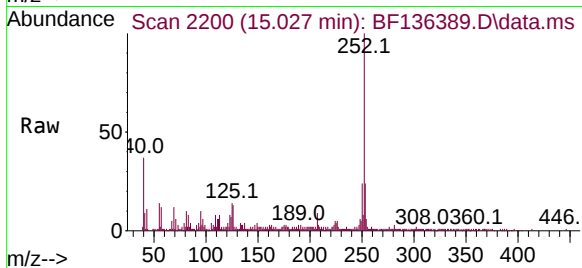
Tgt Ion:252 Resp: 66916

Ion Ratio Lower Upper

252 100

253 24.2 15.6 23.4#

125 13.6 7.0 10.4#



#90

Benzo(a)pyrene

Concen: 2.432 ng

RT: 15.398 min Scan# 2263

Delta R.T. 0.000 min

Lab File: BF136389.D

Acq: 04 Dec 2023 19:03

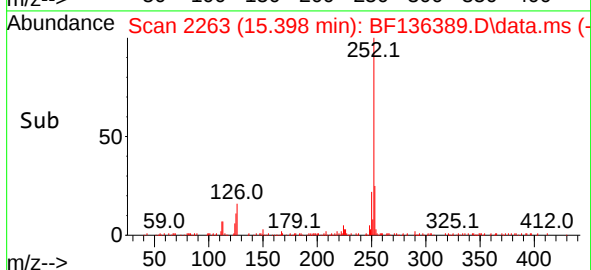
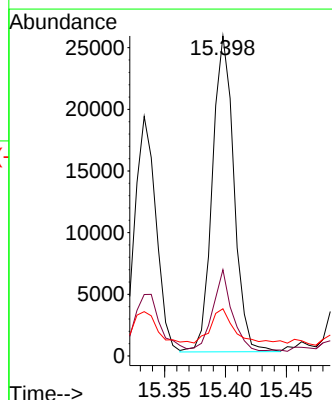
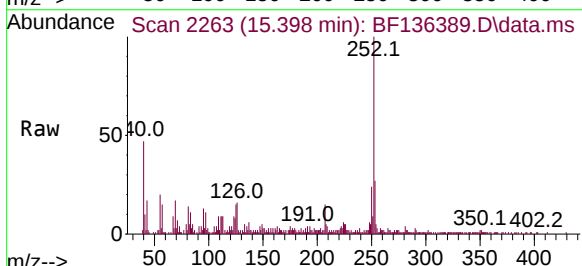
Tgt Ion:252 Resp: 31491

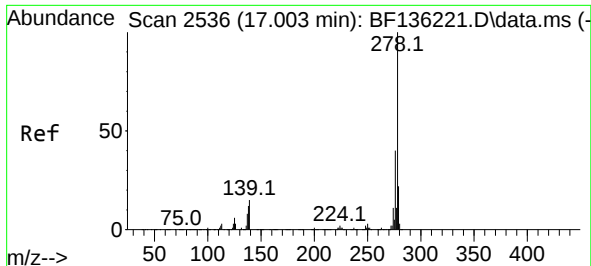
Ion Ratio Lower Upper

252 100

253 26.9 15.5 23.3#

125 14.7 7.9 11.9#

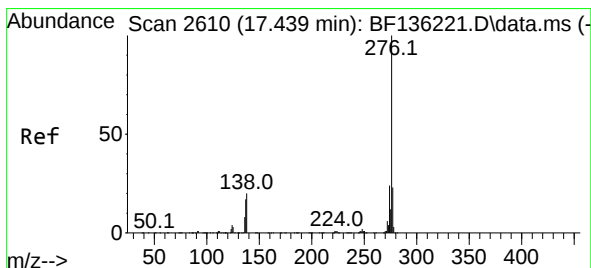
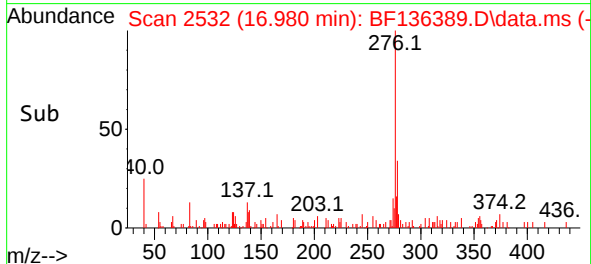
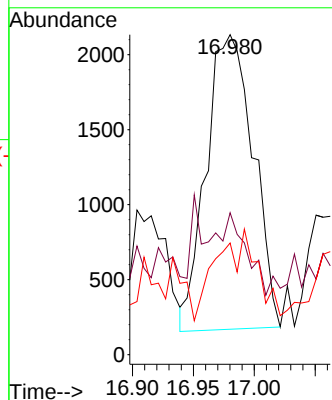
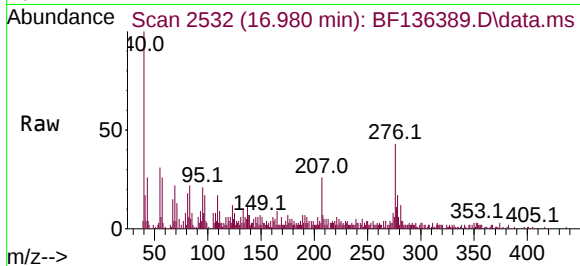




#91
Dibenzo(a,h)anthracene
Concen: 3.081 ng
RT: 16.980 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF136389.D
Acq: 04 Dec 2023 19:03

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 5270
Ion Ratio Lower Upper
278 100
139 44.4 11.7 17.5#
279 34.9 17.8 26.8#



#92
Benzo(g,h,i)perylene
Concen: 3.249 ng
RT: 17.421 min Scan# 2607
Delta R.T. 0.000 min
Lab File: BF136389.D
Acq: 04 Dec 2023 19:03

Tgt Ion:276 Resp: 19072
Ion Ratio Lower Upper
276 100
277 25.1 18.6 27.8
138 22.0 15.8 23.8

