

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
 Data File : BF136738.D
 Acq On : 27 Dec 2023 01:11
 Operator : CG\JU
 Sample : 05446-01RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-111523A

Quant Time: Dec 27 04:02:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

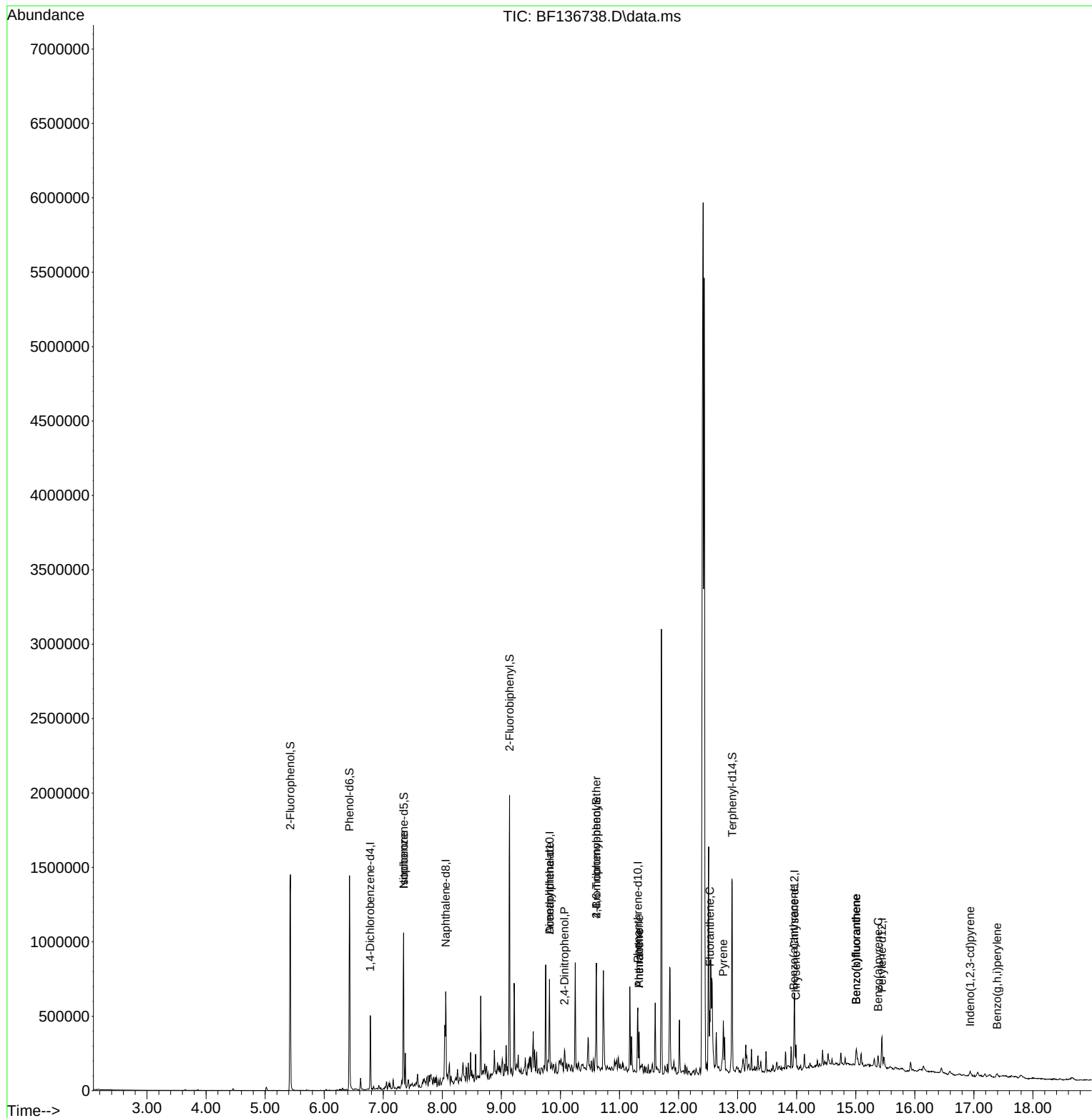
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	67721	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	241949	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	106886	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	159244	20.000	ng	0.00
76) Chrysene-d12	13.963	240	143780	20.000	ng	0.00
86) Perylene-d12	15.445	264	100416	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	393243	90.603	ng	0.00
7) Phenol-d6	6.428	99	483620	85.993	ng	-0.01
23) Nitrobenzene-d5	7.345	82	298829	63.201	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	90425	71.833	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	558484	70.276	ng	-0.01
79) Terphenyl-d14	12.910	244	488288	47.459	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.345	82	299175	34.774	ng	# 65
50) Dimethylphthalate	9.816	163	20647	2.645	ng	# 1
54) 2,4-Dinitrophenol	10.069	184	58	3.791	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	5604	3.169	ng	# 1
71) Phenanthrene	11.333	178	101613	12.436	ng	99
72) Anthracene	11.333	178	101613	12.280	ng	99
75) Fluoranthene	12.527	202	150559	17.226	ng	99
78) Pyrene	12.757	202	141447	10.021	ng	99
81) Benzo(a)anthracene	13.951	228	72695	7.281	ng	97
83) Chrysene	13.986	228	65117	6.670	ng	93
87) Indeno(1,2,3-cd)pyrene	16.939	276	19614	2.705	ng	94
88) Benzo(b)fluoranthene	15.010	252	78935	11.769	ng	# 95
89) Benzo(k)fluoranthene	15.010	252	78935	12.455	ng	# 96
90) Benzo(a)pyrene	15.380	252	36239	6.401	ng	96
92) Benzo(g,h,i)perylene	17.392	276	20969	3.442	ng	96

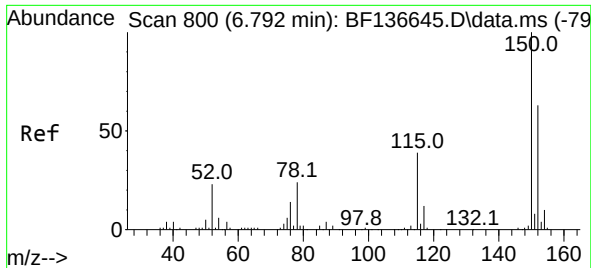
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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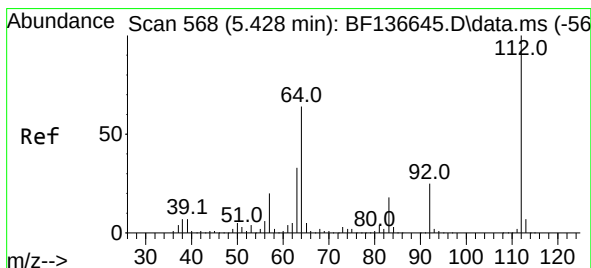
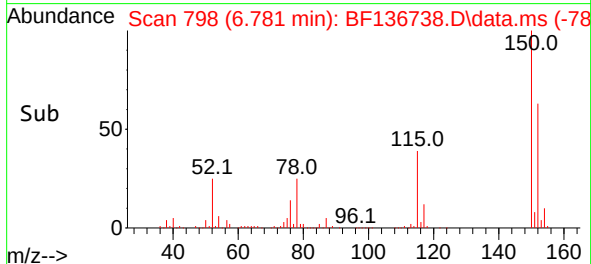
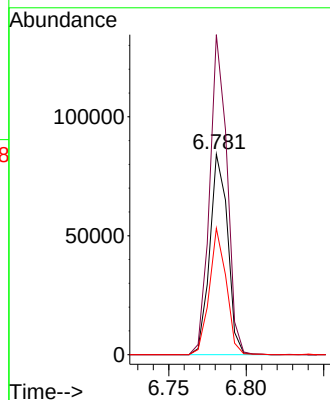
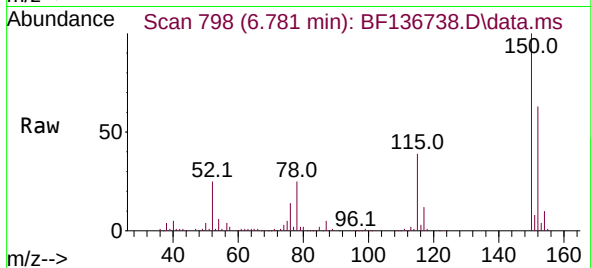




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11

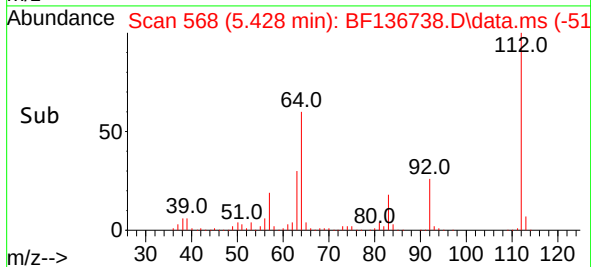
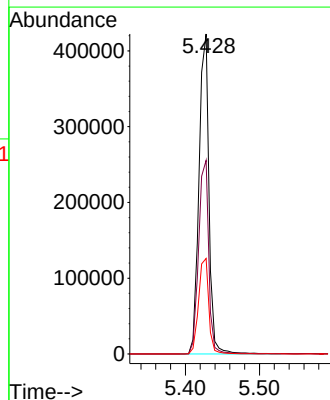
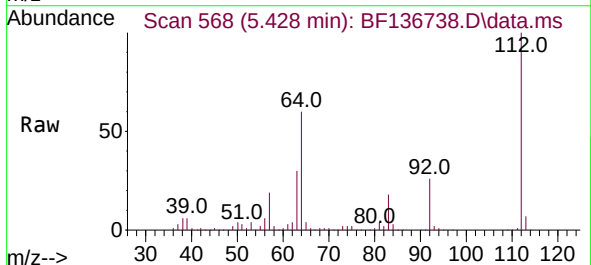
Instrument :
BNA_F
ClientSampleId :
JC-03-111523A

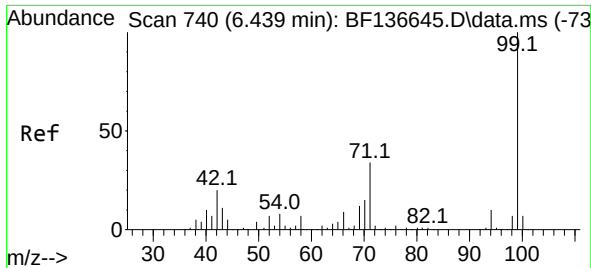
Tgt Ion:152 Resp: 67721
Ion Ratio Lower Upper
152 100
150 159.6 127.0 190.6
115 63.0 49.0 73.4



#5
2-Fluorophenol
Concen: 90.603 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11

Tgt Ion:112 Resp: 393243
Ion Ratio Lower Upper
112 100
64 60.5 51.1 76.7
63 29.9 26.1 39.1

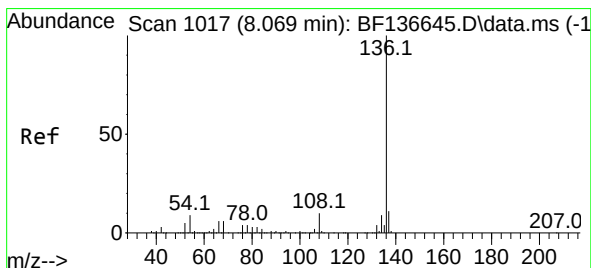
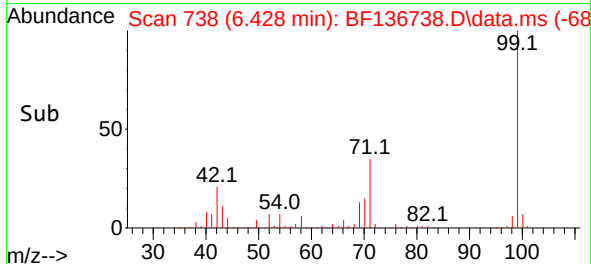
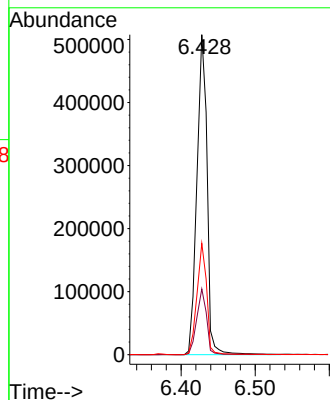
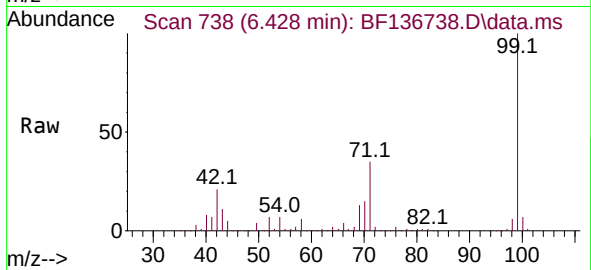




#7
Phenol-d6
Concen: 85.993 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11

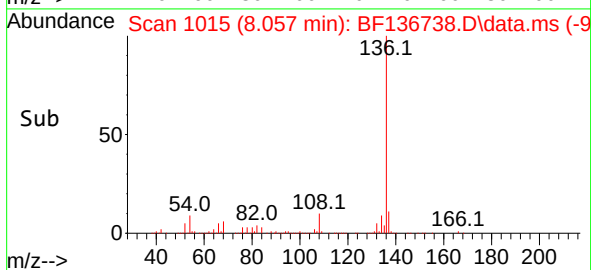
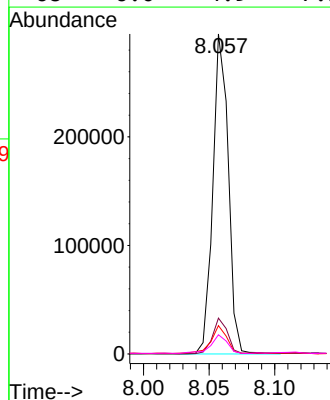
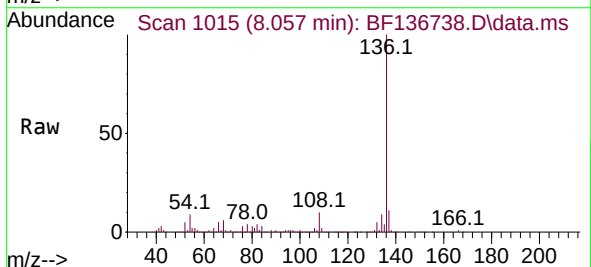
Instrument :
BNA_F
ClientSampleId :
JC-03-111523A

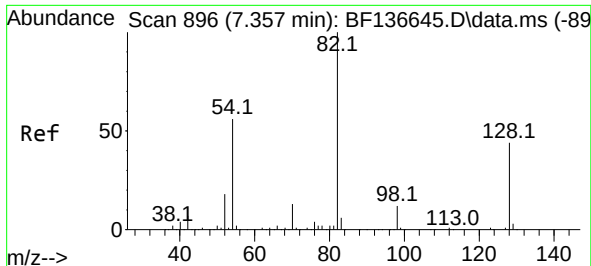
Tgt Ion: 99 Resp: 483620
Ion Ratio Lower Upper
99 100
42 20.5 16.1 24.1
71 34.8 27.4 41.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11

Tgt Ion: 136 Resp: 241949
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 8.9 7.2 10.8
68 6.0 4.9 7.3





#23

Nitrobenzene-d5

Concen: 63.201 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF136738.D

Acq: 27 Dec 2023 01:11

Instrument :

BNA_F

ClientSampleId :

JC-03-111523A

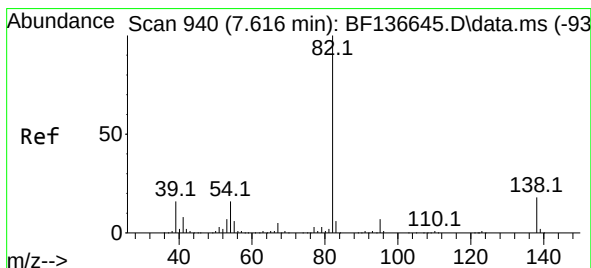
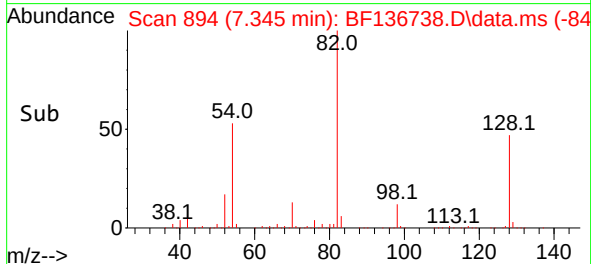
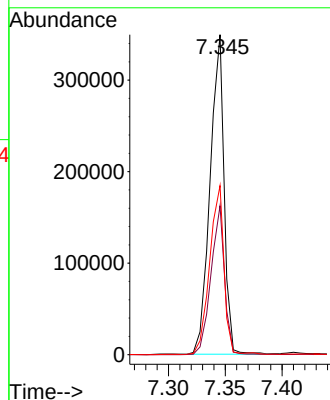
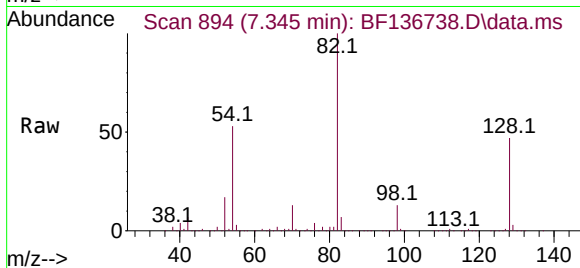
Tgt Ion: 82 Resp: 298829

Ion Ratio Lower Upper

82 100

128 46.5 35.3 52.9

54 52.9 44.5 66.7



#25

Isophorone

Concen: 34.774 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.270 min

Lab File: BF136738.D

Acq: 27 Dec 2023 01:11

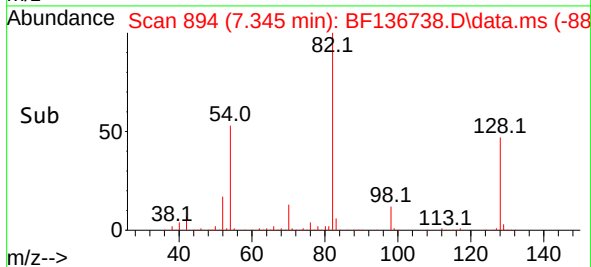
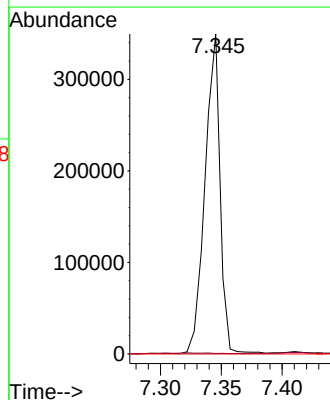
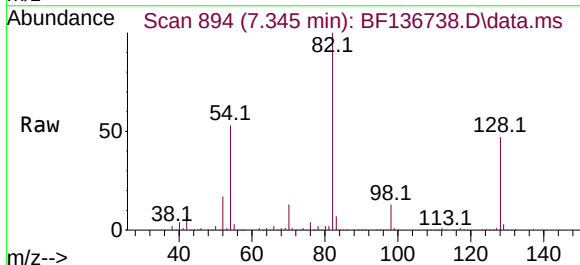
Tgt Ion: 82 Resp: 299175

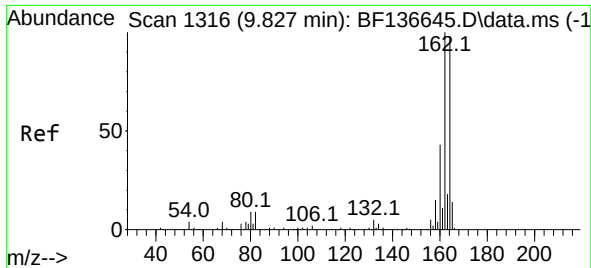
Ion Ratio Lower Upper

82 100

95 0.2 5.5 8.3#

138 0.0 14.5 21.7#

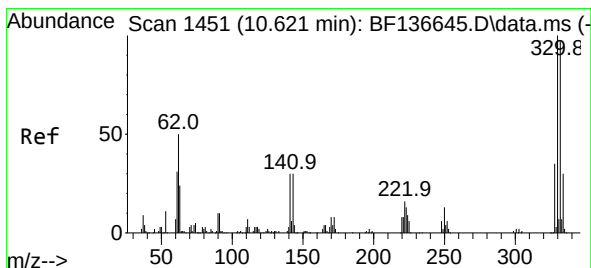
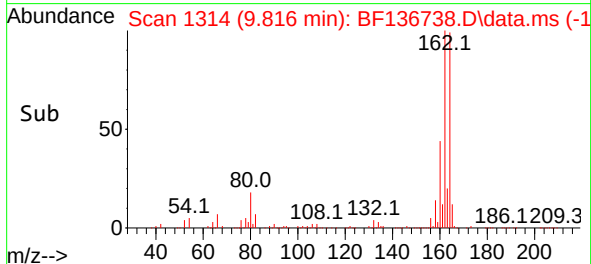
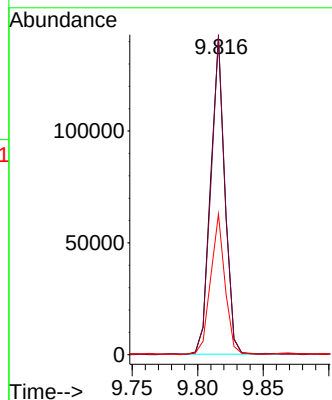
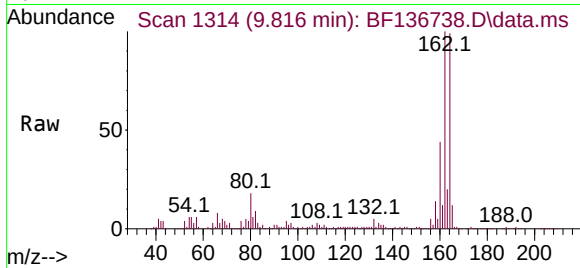




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11

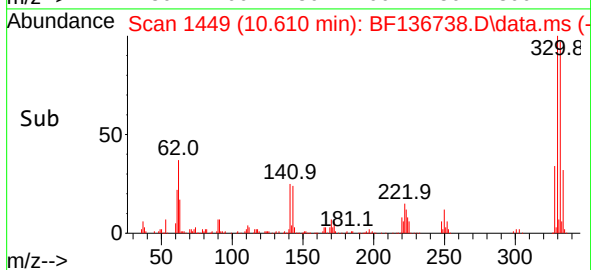
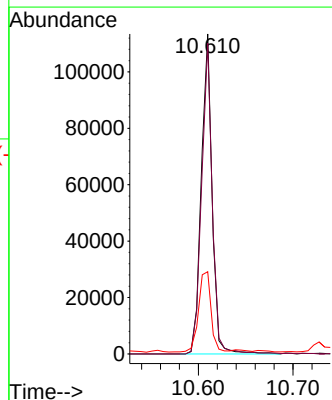
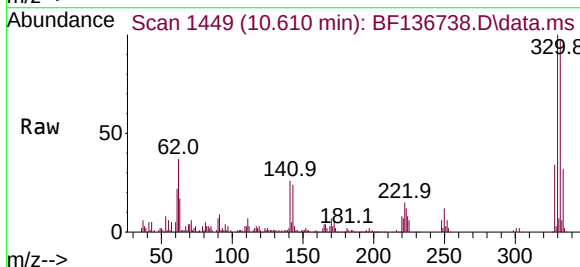
Instrument :
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ClientSampleId :
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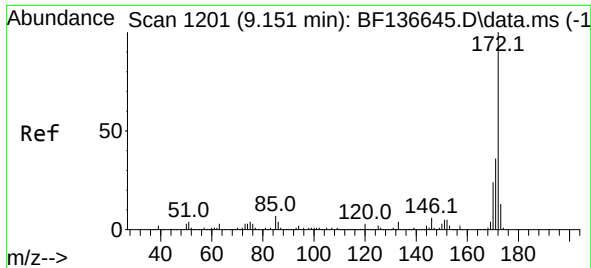
Tgt Ion:164 Resp: 106886
Ion Ratio Lower Upper
164 100
162 101.0 81.6 122.4
160 44.4 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 71.833 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11

Tgt Ion:330 Resp: 90425
Ion Ratio Lower Upper
330 100
332 96.8 77.4 116.0
141 29.0 23.4 35.2

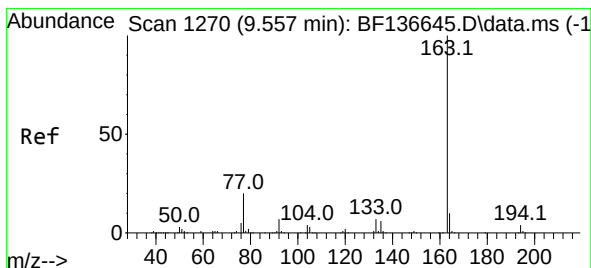
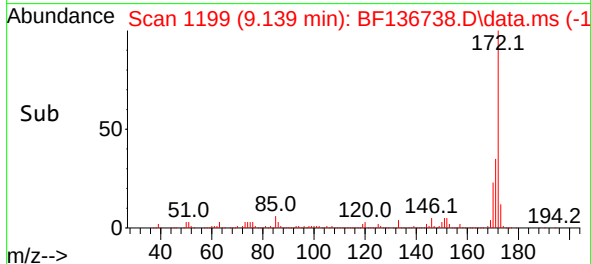
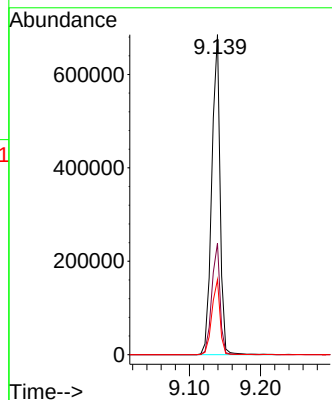
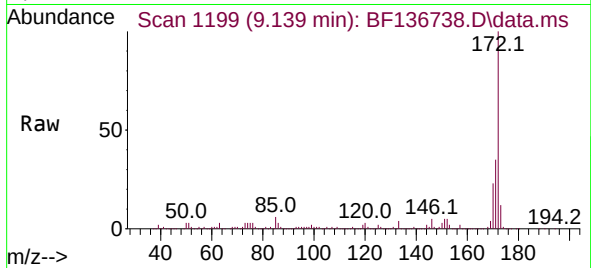




#45
2-Fluorobiphenyl
Concen: 70.276 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11

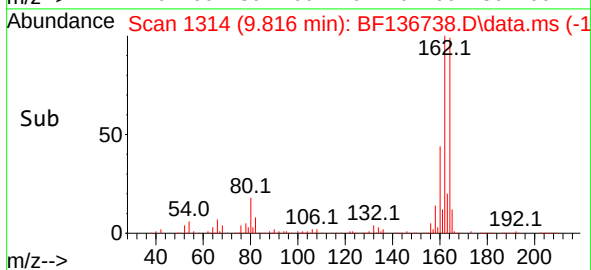
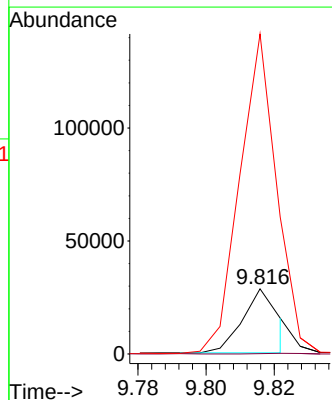
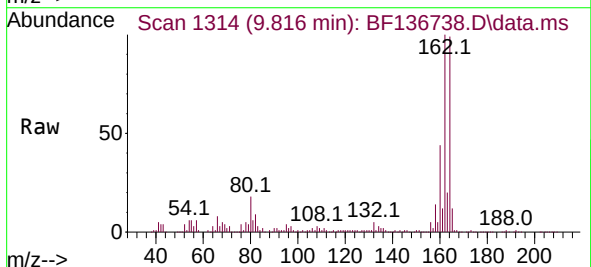
Instrument :
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ClientSampleId :
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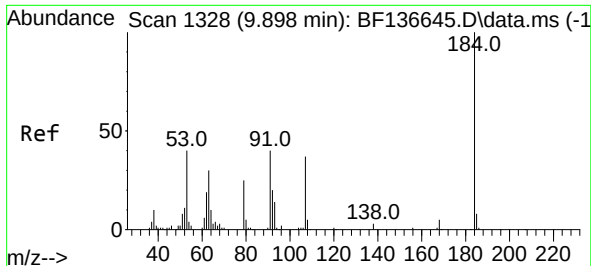
Tgt Ion:172 Resp: 558484
Ion Ratio Lower Upper
172 100
171 34.8 29.0 43.6
170 23.5 19.0 28.4



#50
Dimethylphthalate
Concen: 2.645 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11

Tgt Ion:163 Resp: 20647
Ion Ratio Lower Upper
163 100
194 0.5 3.3 4.9#
164 491.6 7.8 11.6#

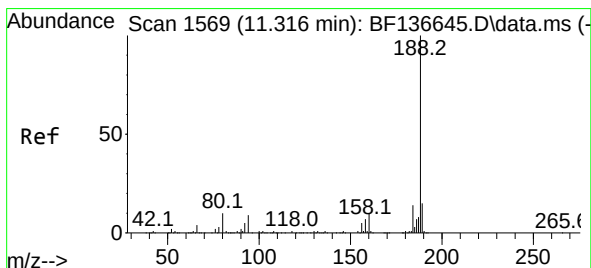
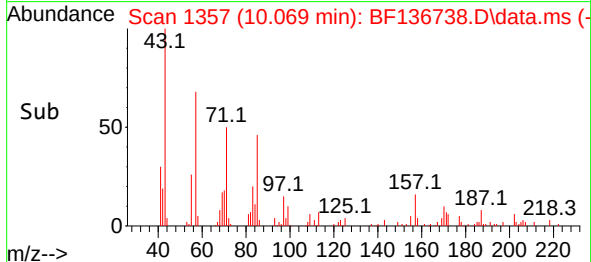
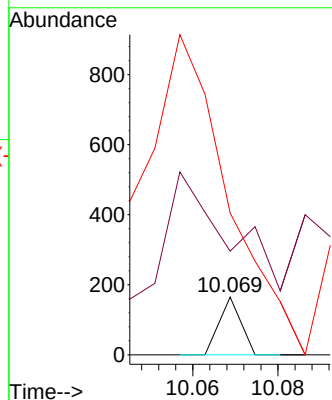
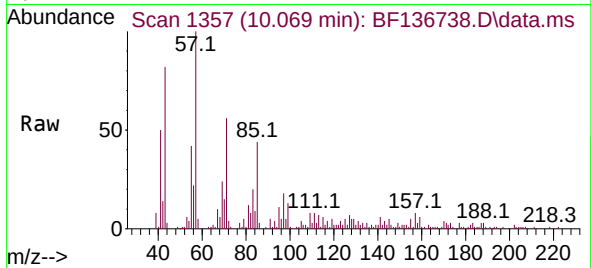




#54
2,4-Dinitrophenol
Concen: 3.791 ng
RT: 10.069 min Scan# 11
Delta R.T. 0.171 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11

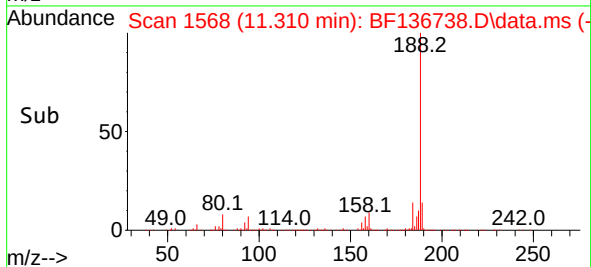
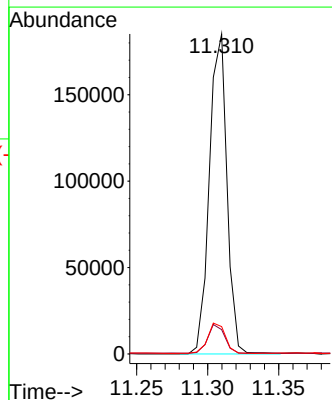
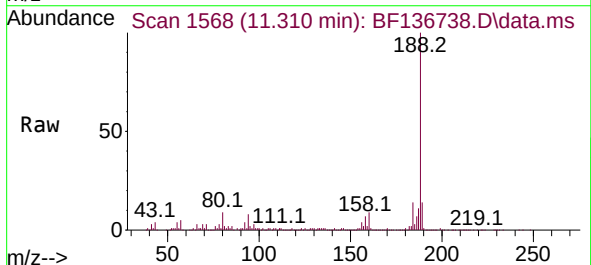
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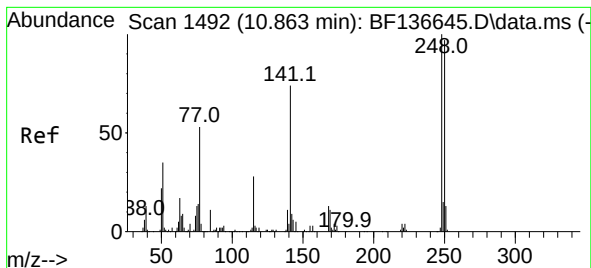
Tgt Ion:184 Resp: 58
Ion Ratio Lower Upper
184 100
63 179.4 40.9 61.3#
154 245.5 42.7 64.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11

Tgt Ion:188 Resp: 159244
Ion Ratio Lower Upper
188 100
94 7.6 7.5 11.3
80 8.6 8.1 12.1

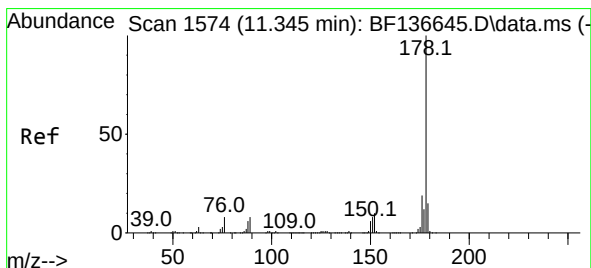
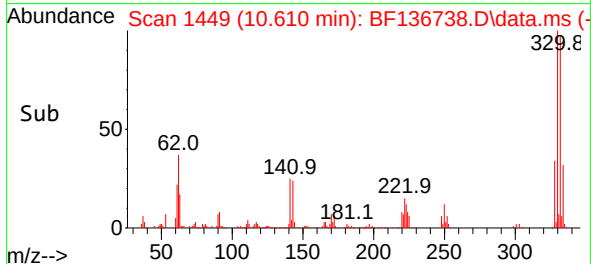
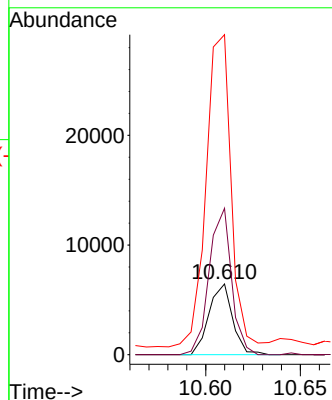
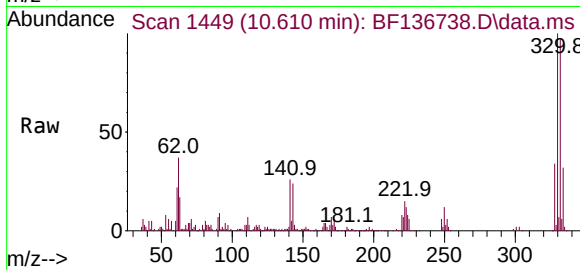




#67
4-Bromophenyl-phenylether
Concen: 3.169 ng
RT: 10.610 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11

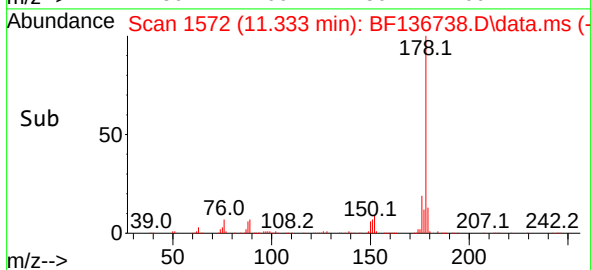
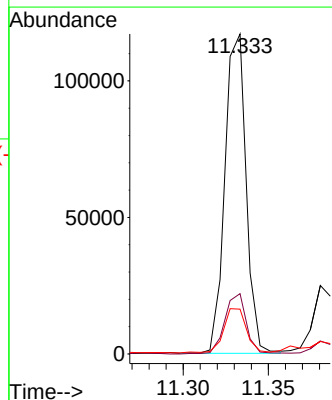
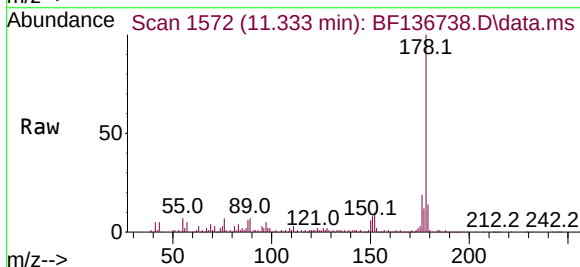
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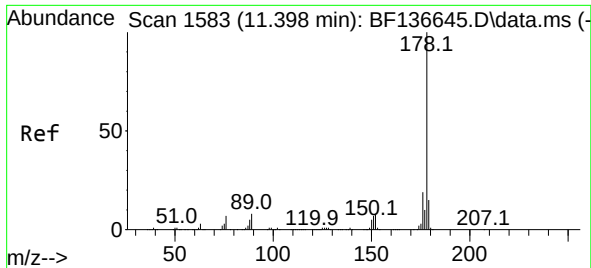
Tgt Ion:248 Resp: 5604
Ion Ratio Lower Upper
248 100
250 206.9 77.8 116.6#
141 452.3 59.2 88.8#



#71
Phenanthrene
Concen: 12.436 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11

Tgt Ion:178 Resp: 101613
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 14.0 11.9 17.9

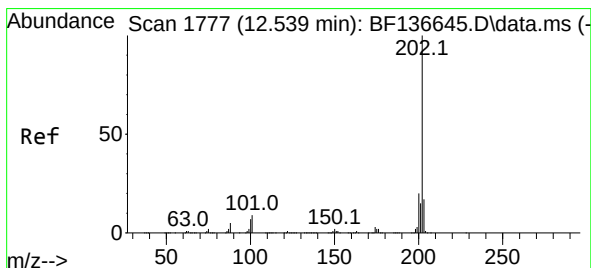
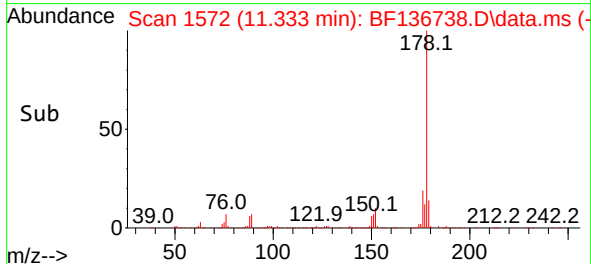
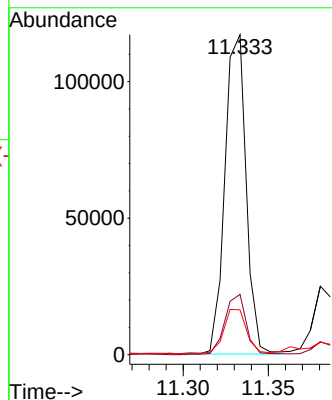
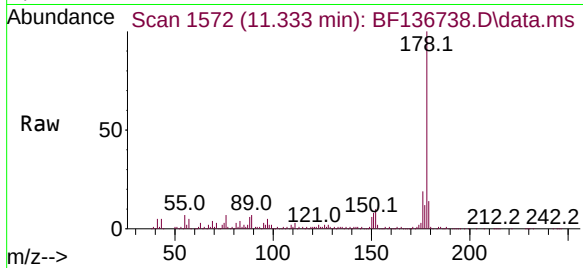




#72
 Anthracene
 Concen: 12.280 ng
 RT: 11.333 min Scan# 11
 Delta R.T. -0.065 min
 Lab File: BF136738.D
 Acq: 27 Dec 2023 01:11

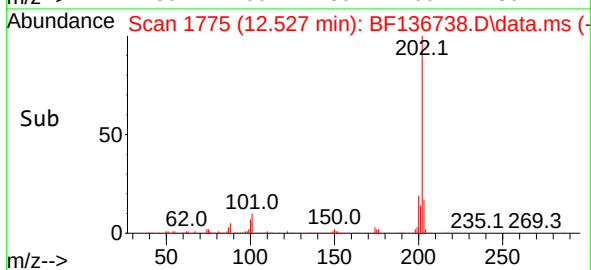
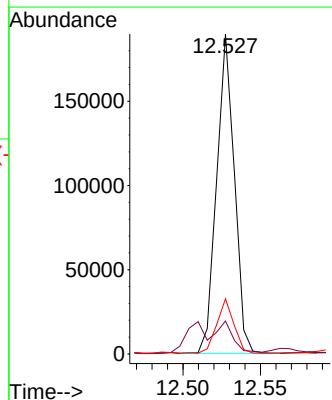
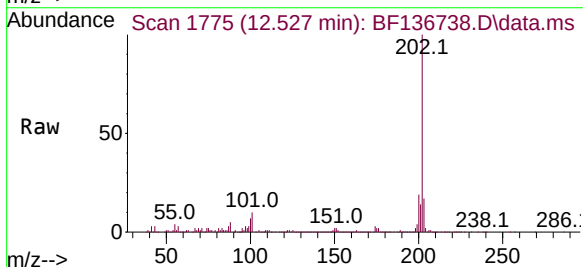
Instrument :
 BNA_F
 ClientSampleId :
 JC-03-111523A

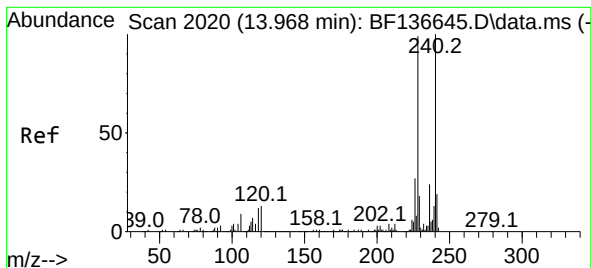
Tgt Ion:178 Resp: 101613
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.9 22.3
 179 14.0 11.8 17.6



#75
 Fluoranthene
 Concen: 17.226 ng
 RT: 12.527 min Scan# 1775
 Delta R.T. -0.012 min
 Lab File: BF136738.D
 Acq: 27 Dec 2023 01:11

Tgt Ion:202 Resp: 150559
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 29.3
 203 17.3 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136738.D

Acq: 27 Dec 2023 01:11

Instrument :

BNA_F

ClientSampleId :

JC-03-111523A

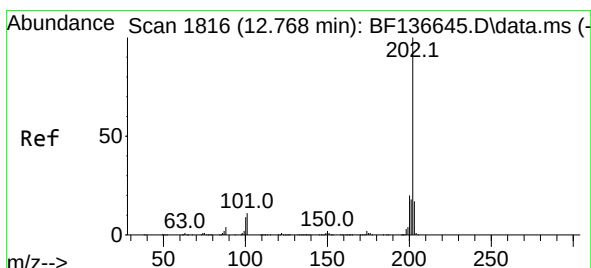
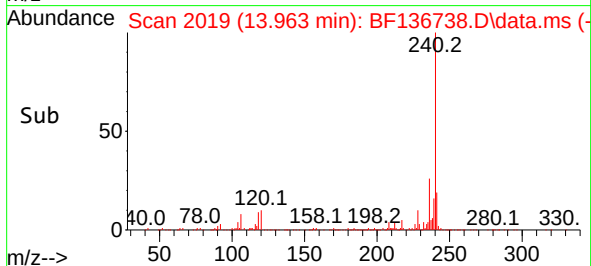
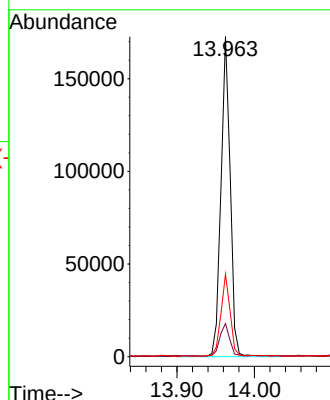
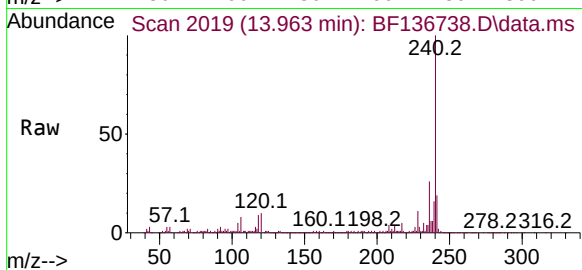
Tgt Ion:240 Resp: 143780

Ion Ratio Lower Upper

240 100

120 10.3 10.3 15.5

236 25.8 19.4 29.2



#78

Pyrene

Concen: 10.021 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136738.D

Acq: 27 Dec 2023 01:11

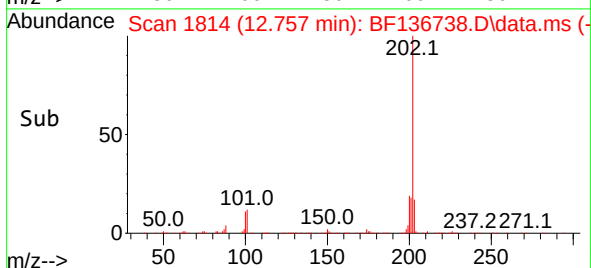
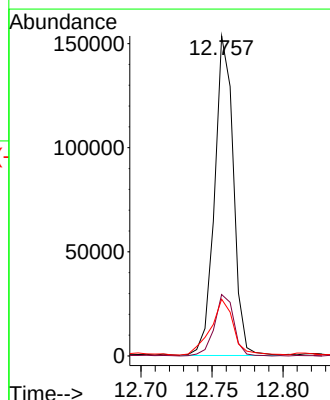
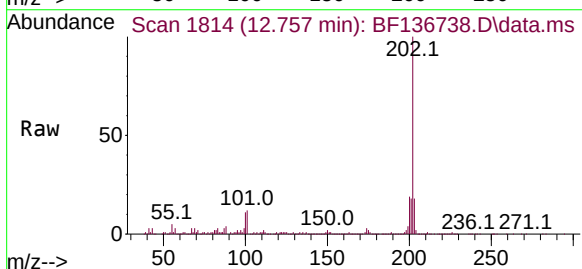
Tgt Ion:202 Resp: 141447

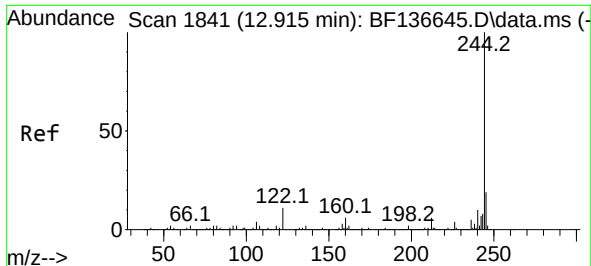
Ion Ratio Lower Upper

202 100

200 19.2 15.9 23.9

203 17.8 13.8 20.6

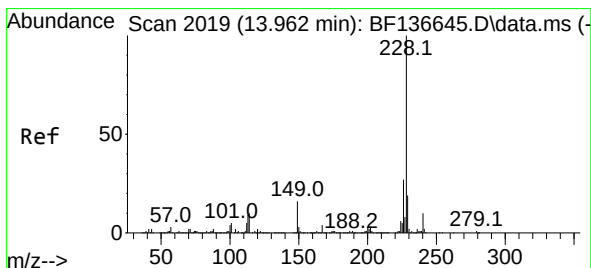
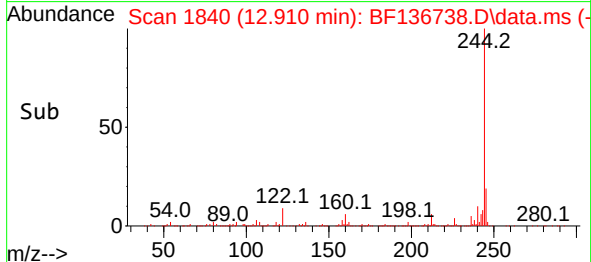
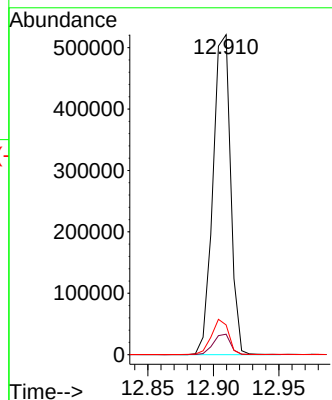
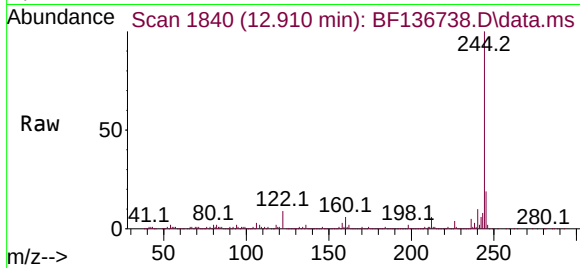




#79
 Terphenyl-d14
 Concen: 47.459 ng
 RT: 12.910 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF136738.D
 Acq: 27 Dec 2023 01:11

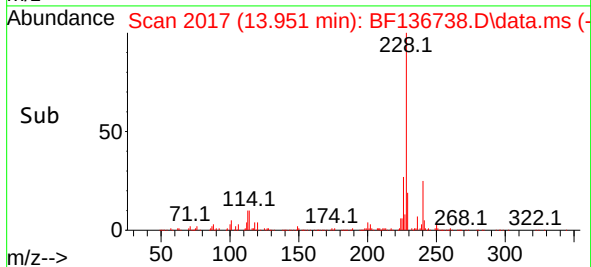
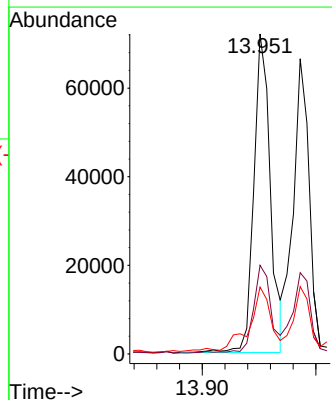
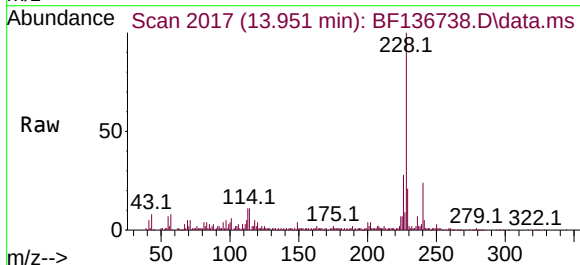
Instrument :
 BNA_F
 ClientSampleId :
 JC-03-111523A

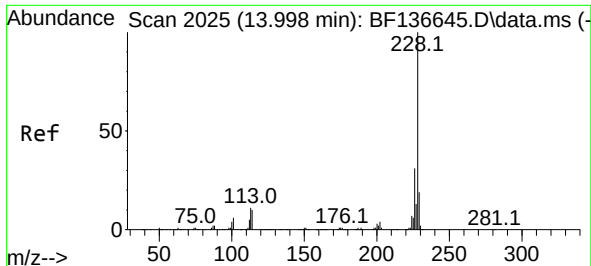
Tgt Ion:244 Resp: 488288
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.0 7.4
 122 9.3 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 7.281 ng
 RT: 13.951 min Scan# 2017
 Delta R.T. -0.012 min
 Lab File: BF136738.D
 Acq: 27 Dec 2023 01:11

Tgt Ion:228 Resp: 72695
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.4 32.0
 229 20.9 14.9 22.3





#83

Chrysene

Concen: 6.670 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136738.D

Acq: 27 Dec 2023 01:11

Instrument :

BNA_F

ClientSampleId :

JC-03-111523A

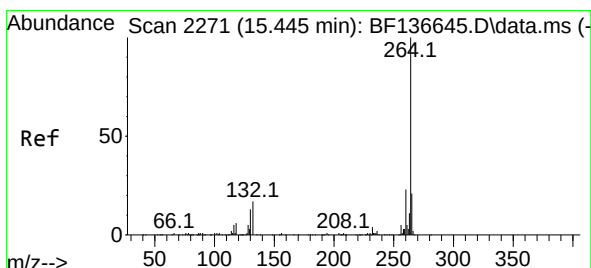
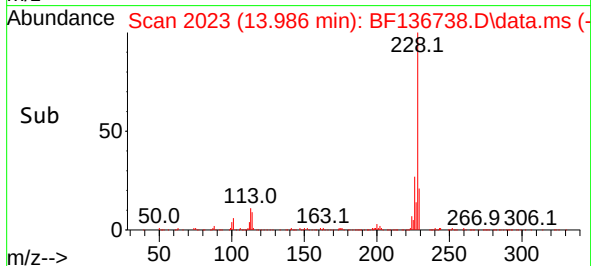
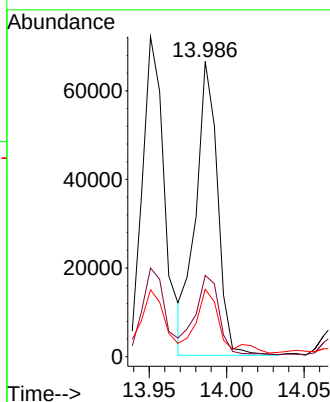
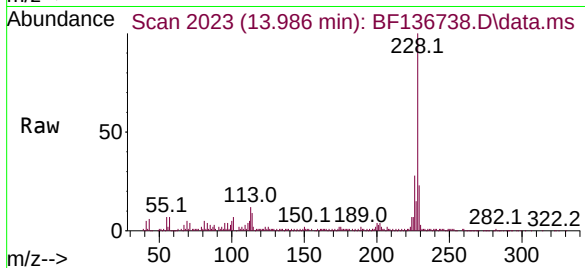
Tgt Ion:228 Resp: 65117

Ion Ratio Lower Upper

228 100

226 27.5 24.7 37.1

229 22.8 15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2271

Delta R.T. 0.000 min

Lab File: BF136738.D

Acq: 27 Dec 2023 01:11

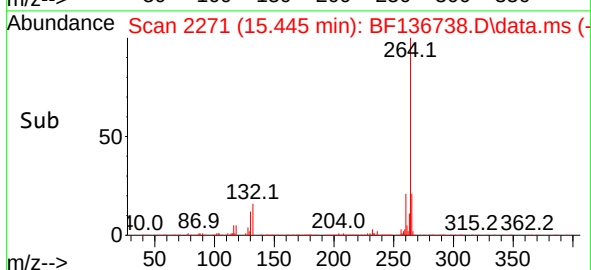
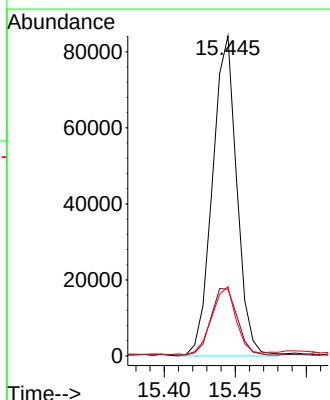
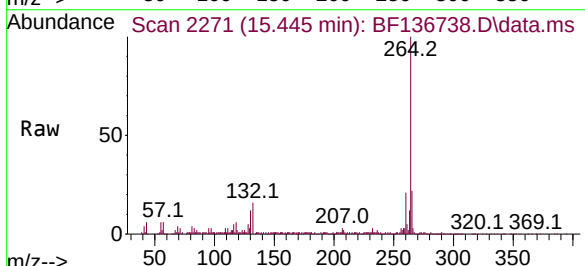
Tgt Ion:264 Resp: 100416

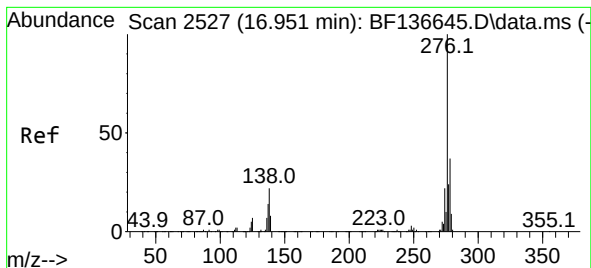
Ion Ratio Lower Upper

264 100

260 20.9 18.3 27.5

265 21.7 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.705 ng

RT: 16.939 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BF136738.D

Acq: 27 Dec 2023 01:11

Instrument :

BNA_F

ClientSampleId :

JC-03-111523A

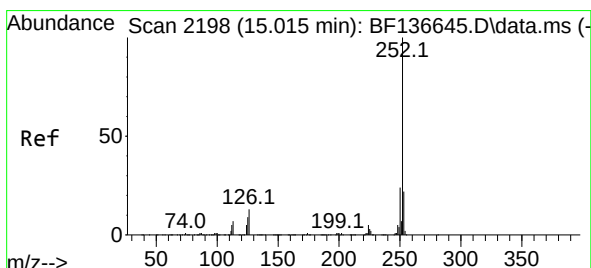
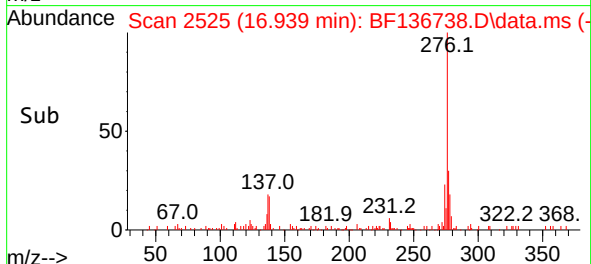
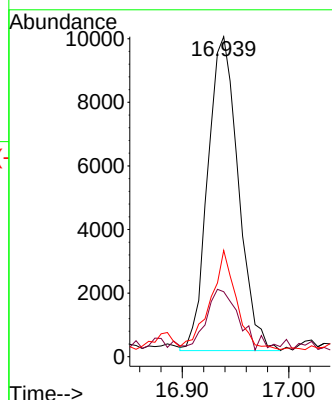
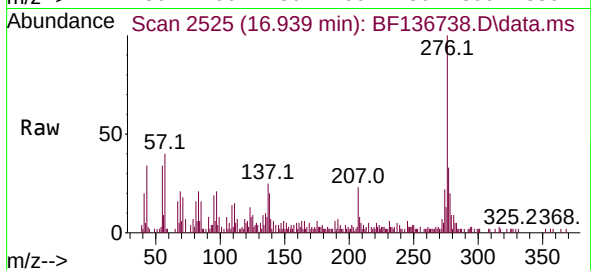
Tgt Ion:276 Resp: 19614

Ion Ratio Lower Upper

276 100

138 18.8 18.7 28.1

277 26.6 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 11.769 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF136738.D

Acq: 27 Dec 2023 01:11

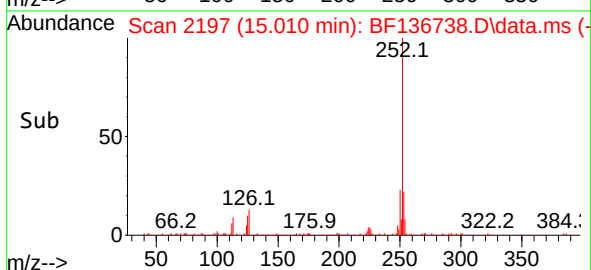
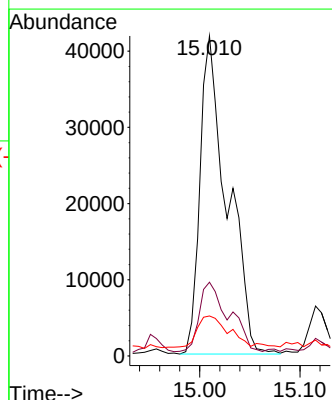
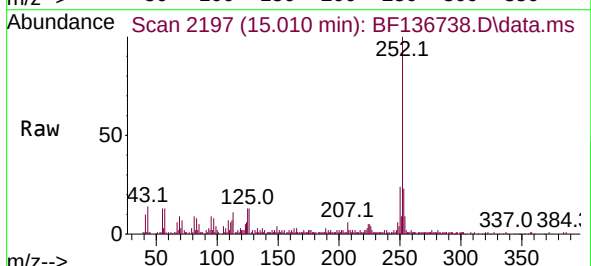
Tgt Ion:252 Resp: 78935

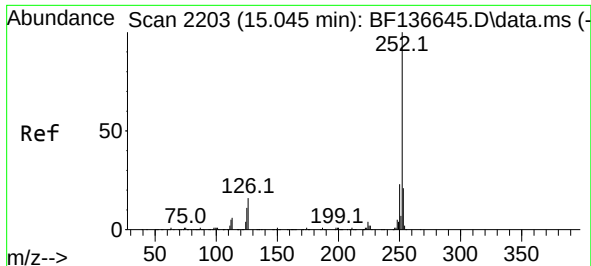
Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

125 12.5 7.4 11.2#

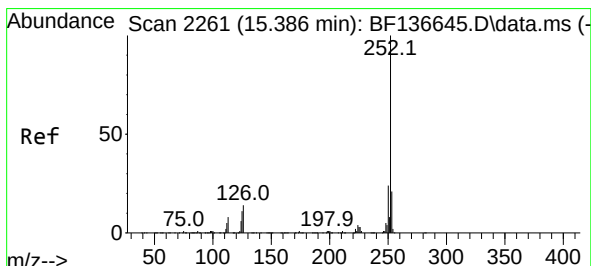
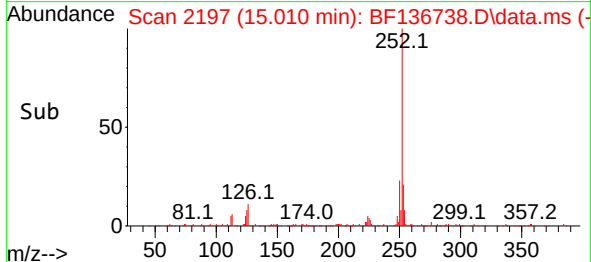
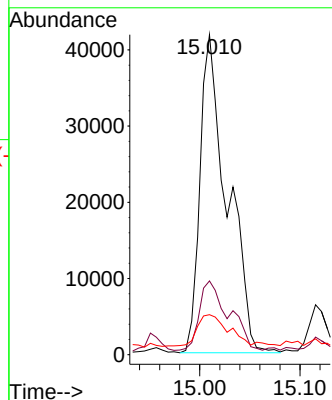
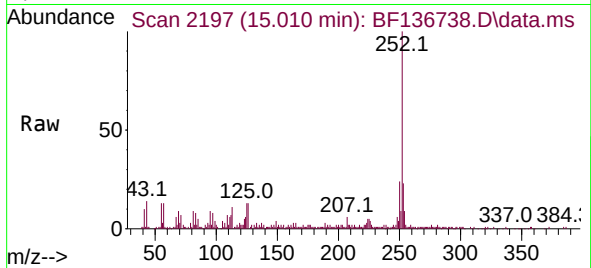




#89
Benzo(k)fluoranthene
Concen: 12.455 ng
RT: 15.010 min Scan# 2197
Delta R.T. -0.035 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11

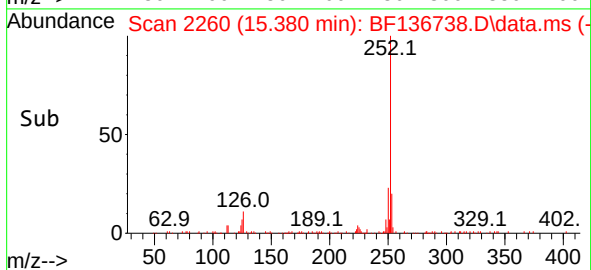
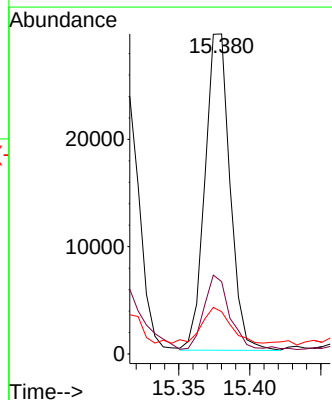
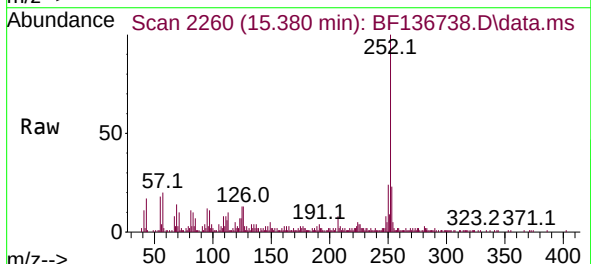
Instrument :
BNA_F
ClientSampleId :
JC-03-111523A

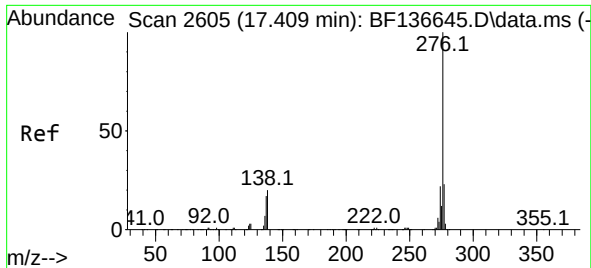
Tgt Ion:252 Resp: 78935
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 12.5 8.2 12.4#



#90
Benzo(a)pyrene
Concen: 6.401 ng
RT: 15.380 min Scan# 2260
Delta R.T. -0.006 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11

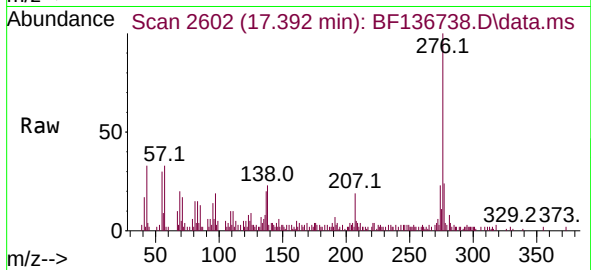
Tgt Ion:252 Resp: 36239
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.6
125 13.2 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 3.442 ng
 RT: 17.392 min Scan# 20
 Delta R.T. -0.017 min
 Lab File: BF136738.D
 Acq: 27 Dec 2023 01:11

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-111523A



Tgt Ion:	276	Resp:	20969
Ion Ratio	Lower	Upper	
276	100		
277	23.7	18.3	27.5
138	22.7	15.6	23.4

