

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080824\
 Data File : BF138871.D
 Acq On : 08 Aug 2024 18:01
 Operator : RC/JU
 Sample : P3488-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-080624

Quant Time: Aug 08 18:32:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

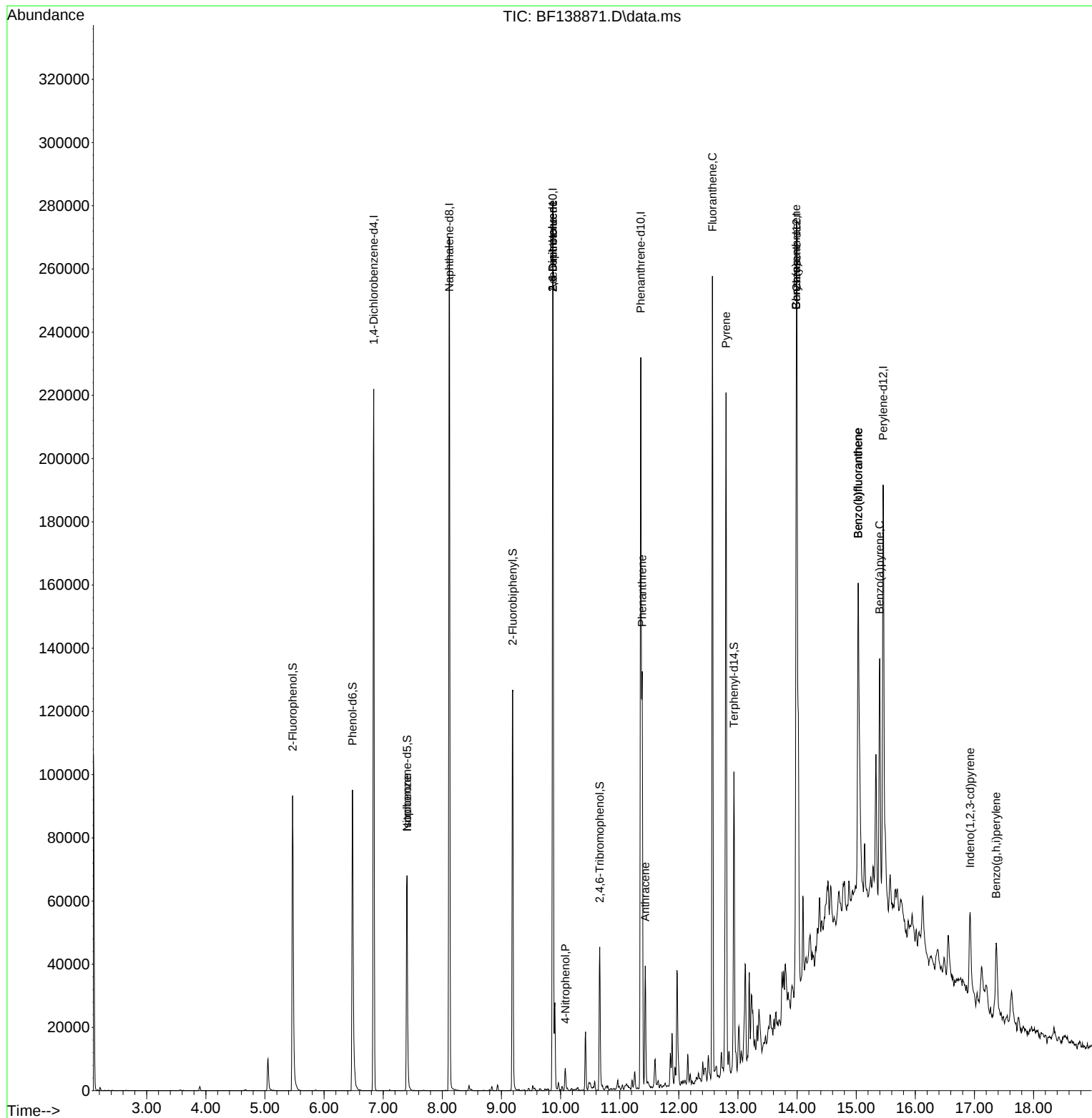
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	42641	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	165061	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	81303	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	115794	20.000	ng	-0.01
76) Chrysene-d12	13.992	240	77484	20.000	ng	-0.01
86) Perylene-d12	15.457	264	69361	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	37067	13.419	ng	0.00
7) Phenol-d6	6.481	99	49924	13.461	ng	0.00
23) Nitrobenzene-d5	7.404	82	32140	9.520	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	7087	10.641	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	57014	10.536	ng	-0.01
79) Terphenyl-d14	12.933	244	41174	8.897	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.404	82	32139	5.575	ng	# 66
51) 2,6-Dinitrotoluene	9.869	165	10888	9.280	ng	# 19
56) 4-Nitrophenol	10.080	139	2100	2.879	ng	# 1
57) 2,4-Dinitrotoluene	9.869	165	10888	7.274	ng	# 16
71) Phenanthrene	11.380	178	66708	11.188	ng	99
72) Anthracene	11.433	178	20551	3.499	ng	99
75) Fluoranthene	12.568	202	138188	24.826	ng	97
78) Pyrene	12.798	202	118015	16.177	ng	99
81) Benzo(a)anthracene	13.986	228	53270	9.984	ng	97
83) Chrysene	13.986	228	53270	11.066	ng	96
87) Indeno(1,2,3-cd)pyrene	16.927	276	18909	3.804	ng	95
88) Benzo(b)fluoranthene	15.033	252	78955	18.363	ng	95
89) Benzo(k)fluoranthene	15.033	252	78955	21.209	ng	95
90) Benzo(a)pyrene	15.398	252	42721	11.812	ng	95
92) Benzo(g,h,i)perylene	17.368	276	19645	4.640	ng	97

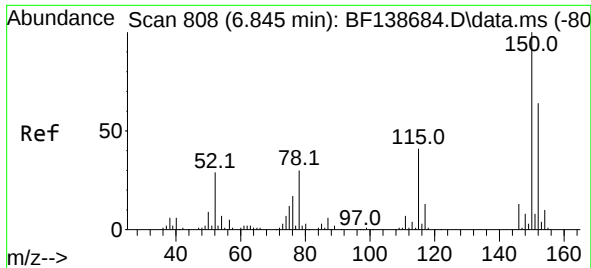
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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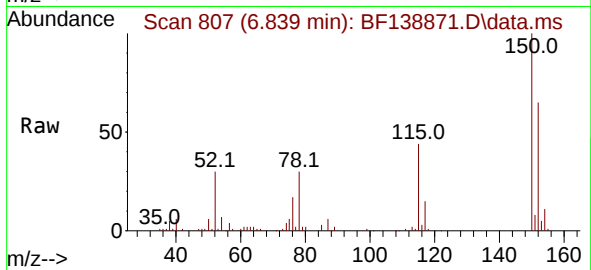
Quant Time: Aug 08 18:32:59 2024
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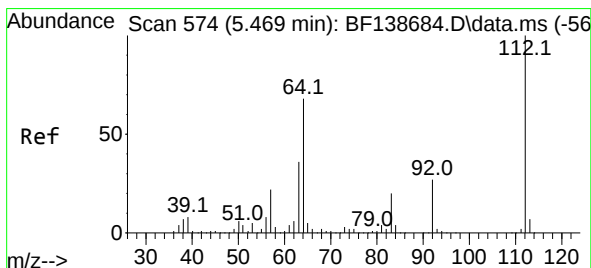
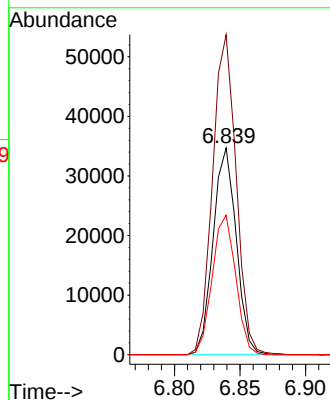
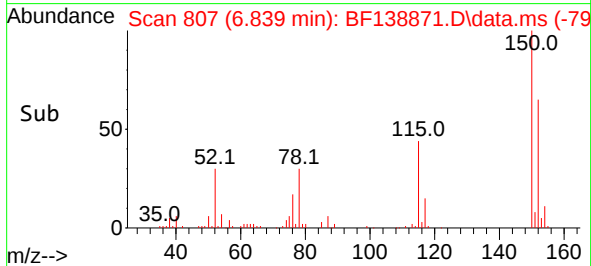


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF138871.D
Acq: 08 Aug 2024 18:01

Instrument :
BNA_F
ClientSampleId :
HD-01-080624

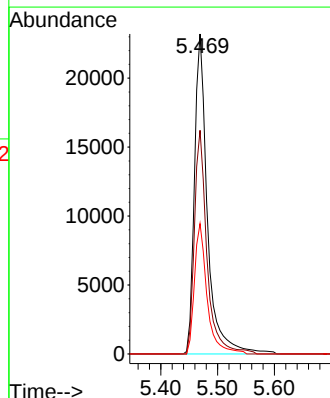
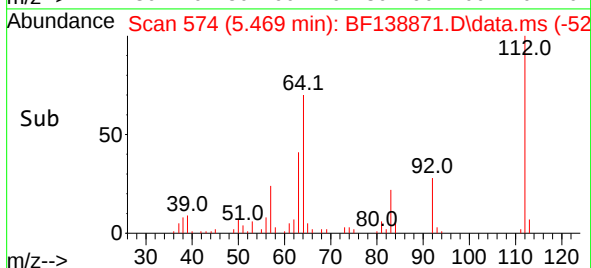
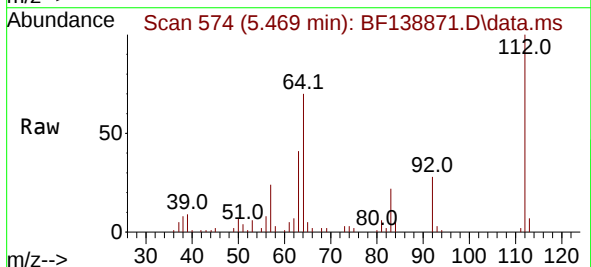


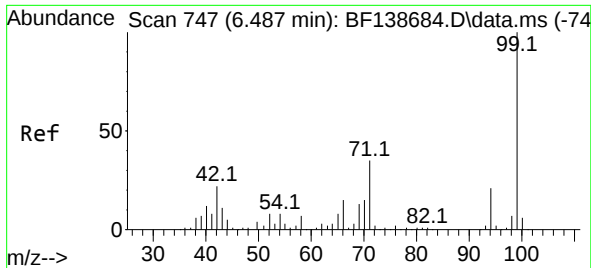
Tgt Ion:152 Resp: 42641
Ion Ratio Lower Upper
152 100
150 154.8 126.0 189.0
115 67.5 51.7 77.5



#5
2-Fluorophenol
Concen: 13.419 ng
RT: 5.469 min Scan# 574
Delta R.T. -0.000 min
Lab File: BF138871.D
Acq: 08 Aug 2024 18:01

Tgt Ion:112 Resp: 37067
Ion Ratio Lower Upper
112 100
64 69.9 54.2 81.4
63 40.7 28.7 43.1

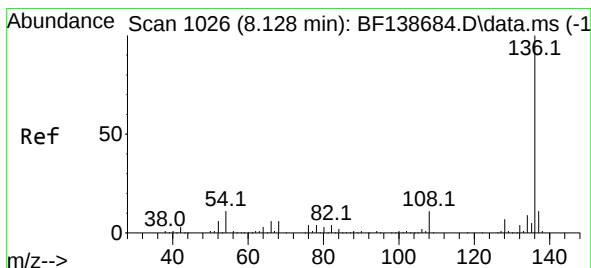
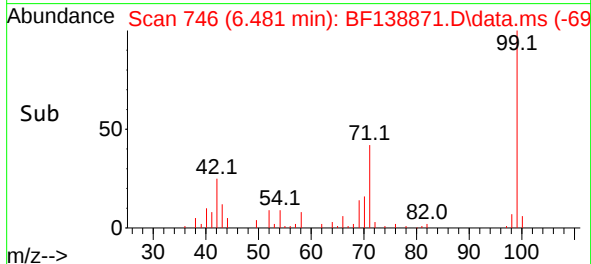
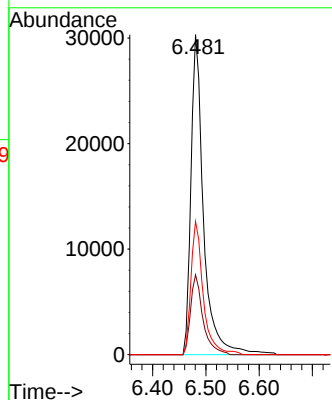
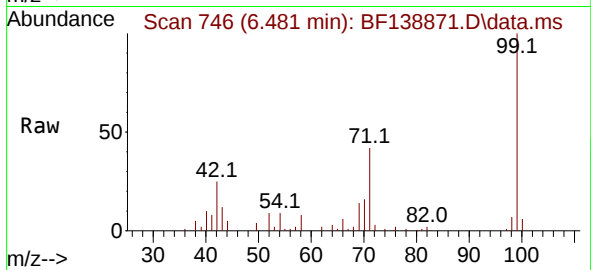




#7
Phenol-d6
Concen: 13.461 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138871.D
Acq: 08 Aug 2024 18:01

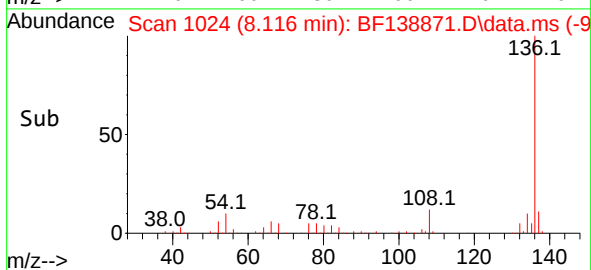
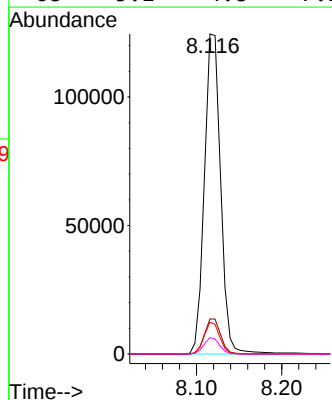
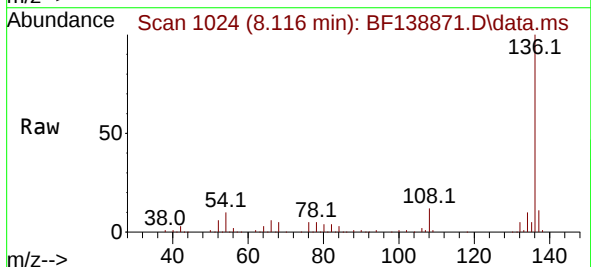
Instrument :
BNA_F
ClientSampleId :
HD-01-080624

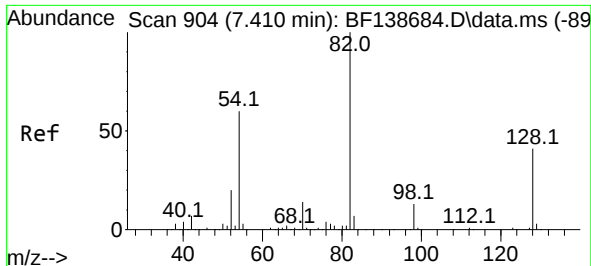
Tgt Ion: 99 Resp: 49924
Ion Ratio Lower Upper
99 100
42 25.0 17.4 26.0
71 41.6 28.1 42.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF138871.D
Acq: 08 Aug 2024 18:01

Tgt Ion: 136 Resp: 165061
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 9.9 8.6 12.8
68 5.1 4.8 7.2





#23

Nitrobenzene-d5

Concen: 9.520 ng

RT: 7.404 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF138871.D

Acq: 08 Aug 2024 18:01

Instrument :

BNA_F

ClientSampleId :

HD-01-080624

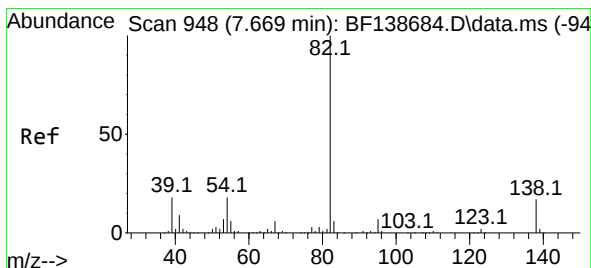
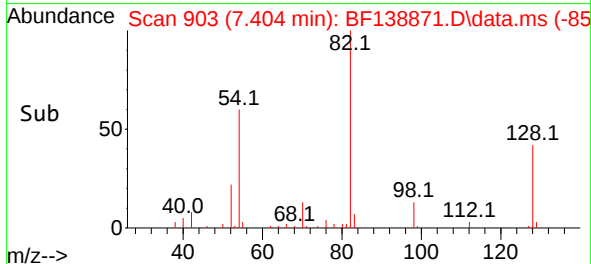
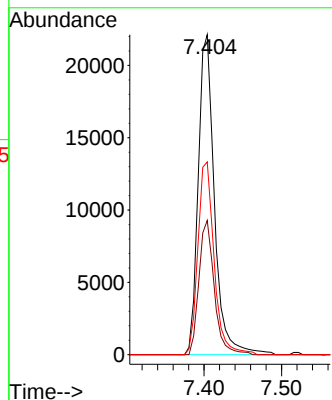
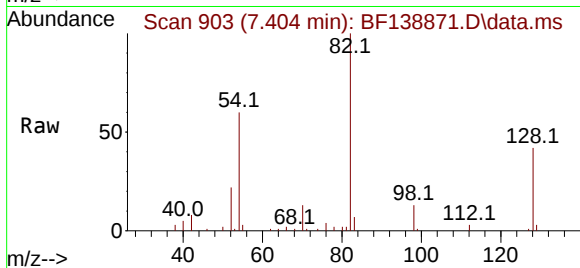
Tgt Ion: 82 Resp: 32140

Ion Ratio Lower Upper

82 100

128 42.0 32.8 49.2

54 60.3 48.3 72.5



#25

Isophorone

Concen: 5.575 ng

RT: 7.404 min Scan# 903

Delta R.T. -0.265 min

Lab File: BF138871.D

Acq: 08 Aug 2024 18:01

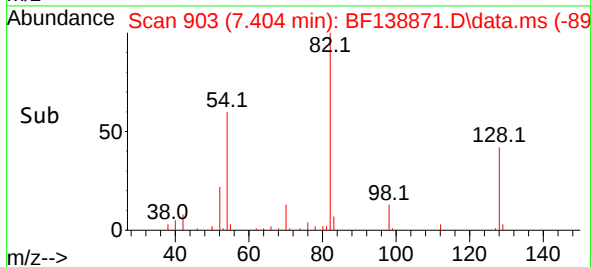
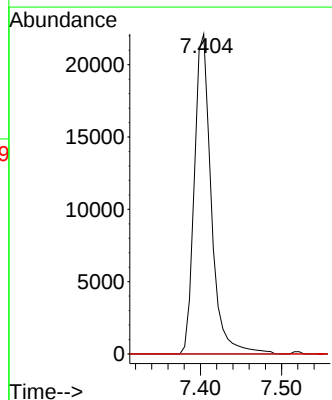
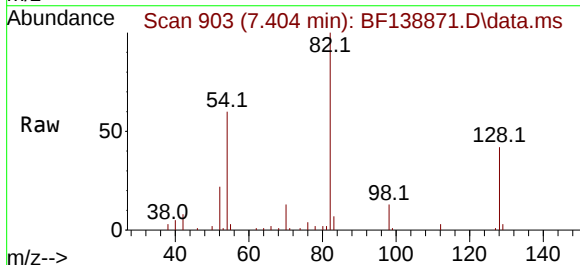
Tgt Ion: 82 Resp: 32139

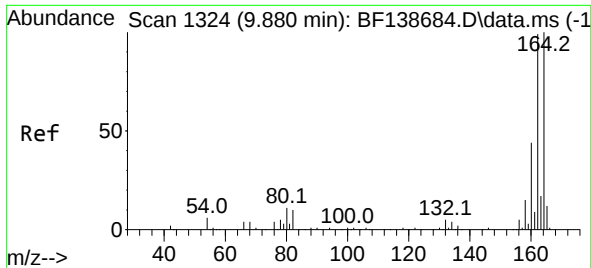
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 13.7 20.5#

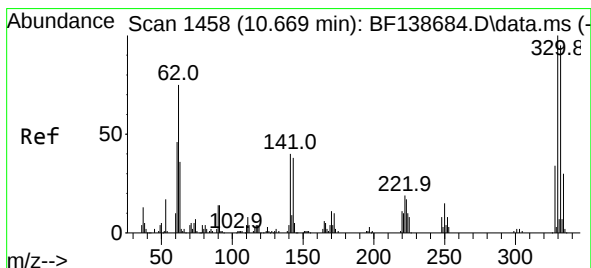
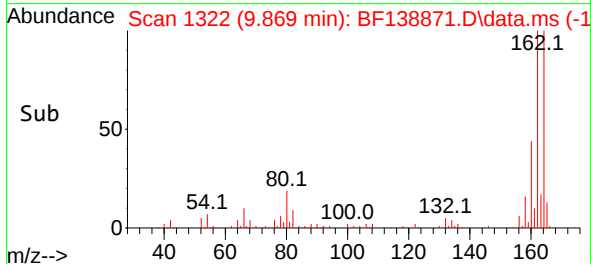
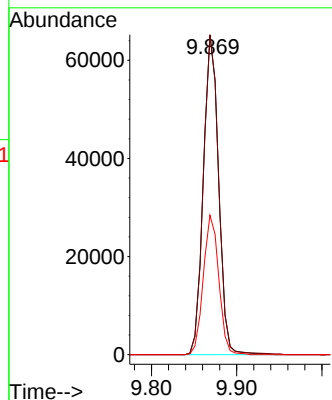
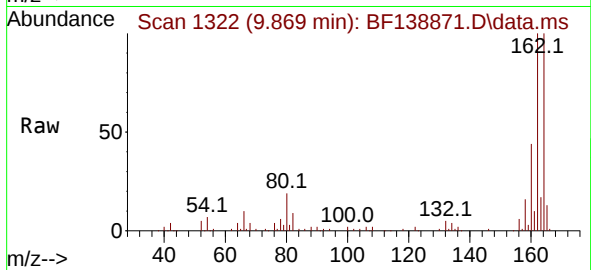




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF138871.D
Acq: 08 Aug 2024 18:01

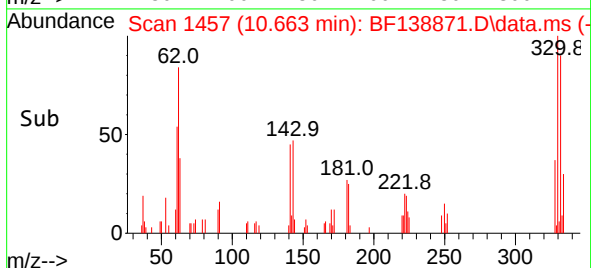
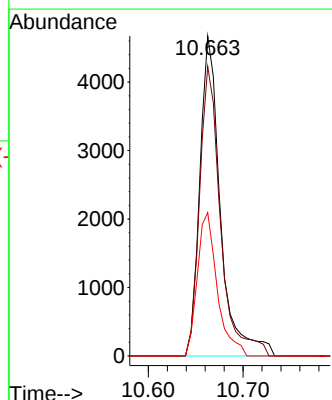
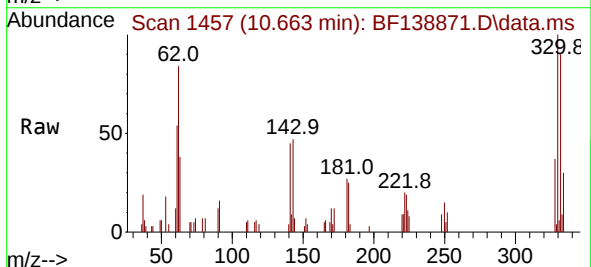
Instrument :
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ClientSampleId :
HD-01-080624

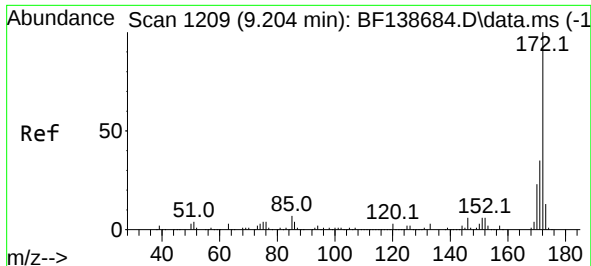
Tgt Ion:164 Resp: 81303
Ion Ratio Lower Upper
164 100
162 100.1 79.4 119.0
160 43.7 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 10.641 ng
RT: 10.663 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF138871.D
Acq: 08 Aug 2024 18:01

Tgt Ion:330 Resp: 7087
Ion Ratio Lower Upper
330 100
332 91.5 76.4 114.6
141 43.2 31.1 46.7





#45

2-Fluorobiphenyl

Concen: 10.536 ng

RT: 9.192 min Scan# 1321

Delta R.T. -0.012 min

Lab File: BF138871.D

Acq: 08 Aug 2024 18:01

Instrument :

BNA_F

ClientSampleId :

HD-01-080624

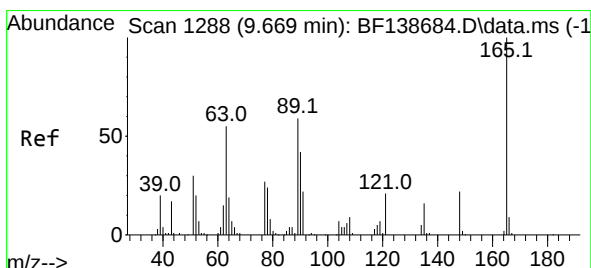
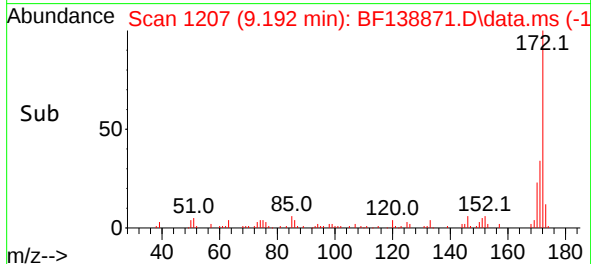
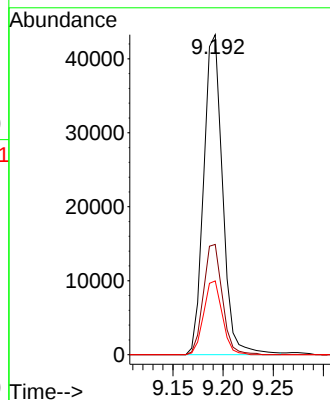
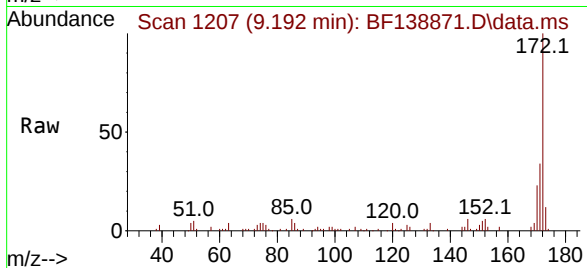
Tgt Ion:172 Resp: 57014

Ion Ratio Lower Upper

172 100

171 34.4 28.3 42.5

170 23.0 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.280 ng

RT: 9.869 min Scan# 1322

Delta R.T. 0.200 min

Lab File: BF138871.D

Acq: 08 Aug 2024 18:01

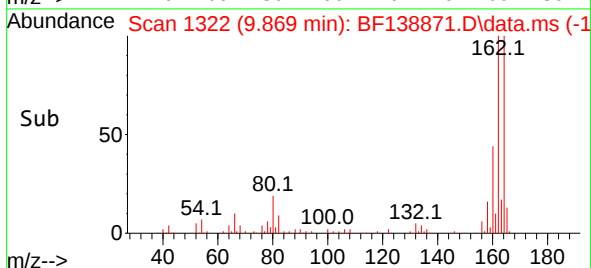
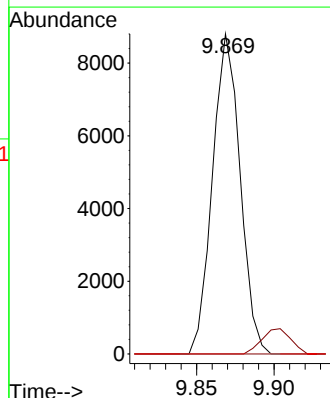
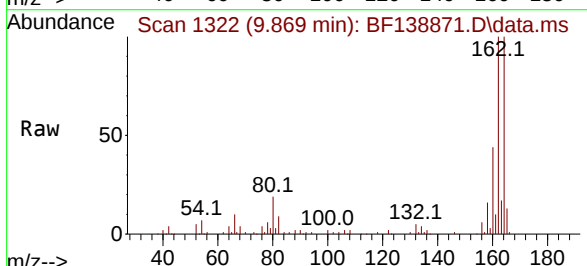
Tgt Ion:165 Resp: 10888

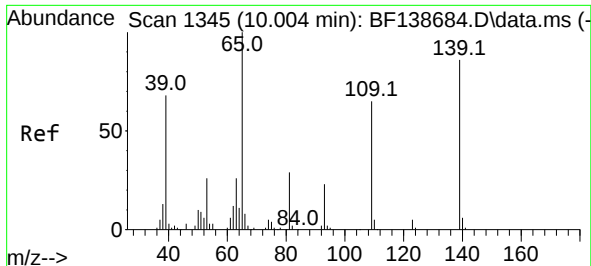
Ion Ratio Lower Upper

165 100

63 0.0 52.0 78.0#

89 0.0 47.0 70.6#

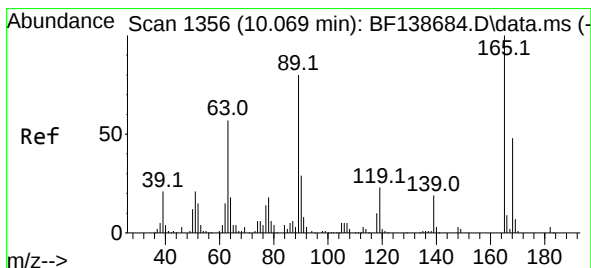
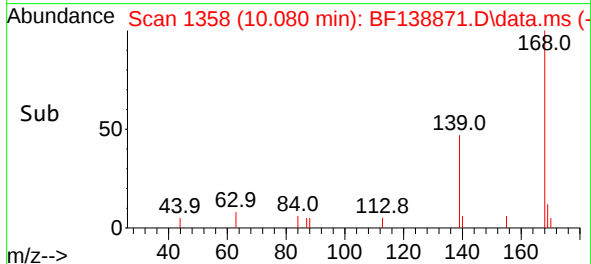
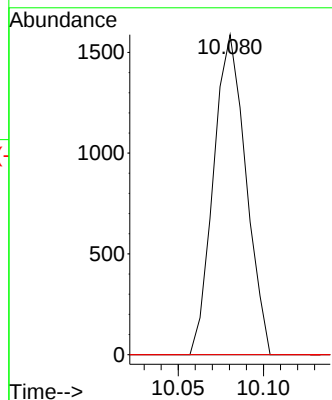
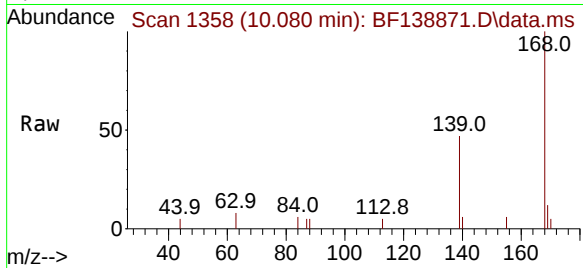




#56
4-Nitrophenol
Concen: 2.879 ng
RT: 10.080 min Scan# 11
Delta R.T. 0.076 min
Lab File: BF138871.D
Acq: 08 Aug 2024 18:01

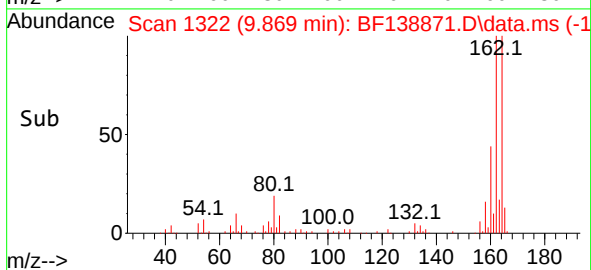
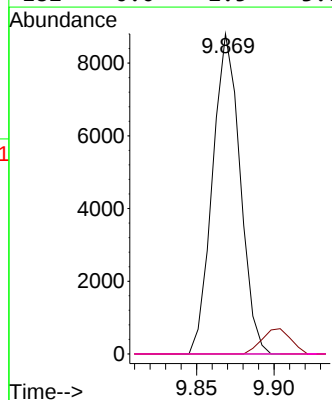
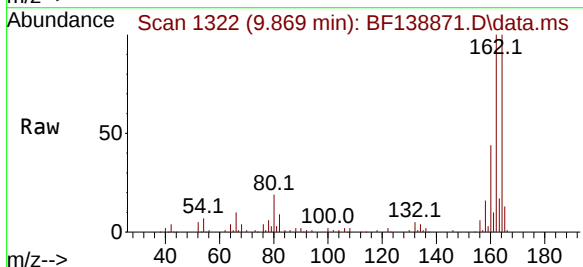
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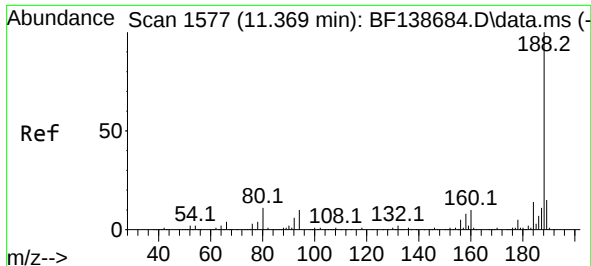
Tgt Ion:139 Resp: 2100
Ion Ratio Lower Upper
139 100
109 0.0 55.5 95.5#
65 0.0 96.7 136.7#



#57
2,4-Dinitrotoluene
Concen: 7.274 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.200 min
Lab File: BF138871.D
Acq: 08 Aug 2024 18:01

Tgt Ion:165 Resp: 10888
Ion Ratio Lower Upper
165 100
63 0.0 46.3 69.5#
89 0.0 64.2 96.4#
182 0.0 2.5 3.7#

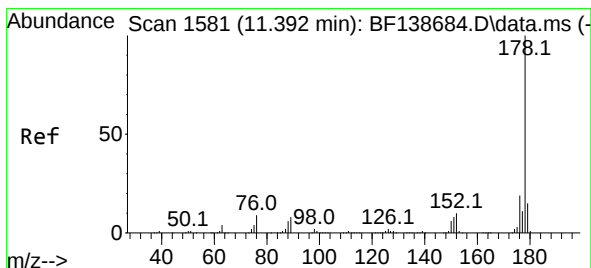
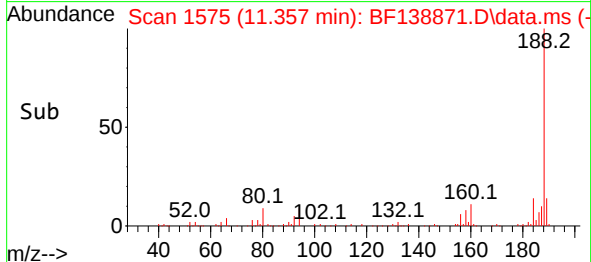
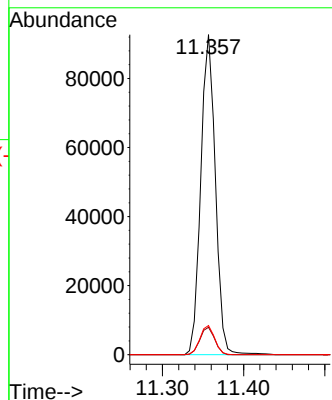
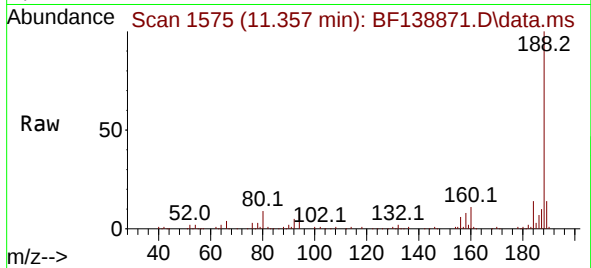




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138871.D
Acq: 08 Aug 2024 18:01

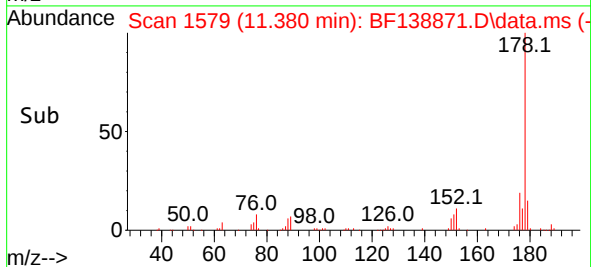
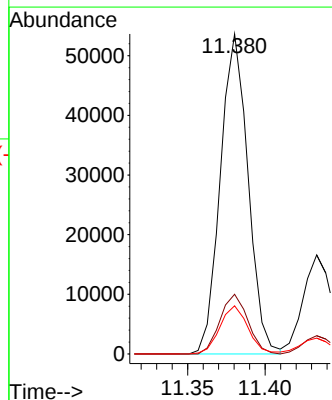
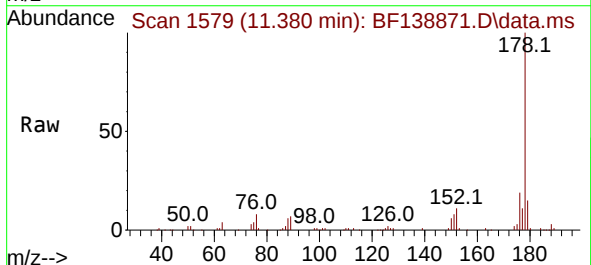
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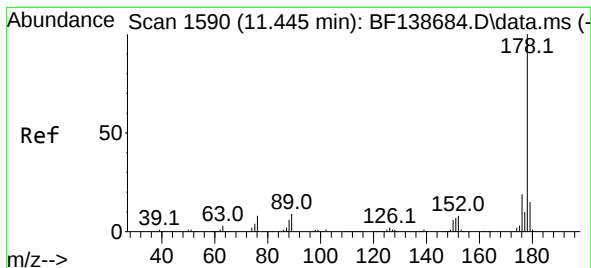
Tgt Ion:188 Resp: 115794
Ion Ratio Lower Upper
188 100
94 8.5 7.6 11.4
80 9.1 8.6 12.8



#71
Phenanthrene
Concen: 11.188 ng
RT: 11.380 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF138871.D
Acq: 08 Aug 2024 18:01

Tgt Ion:178 Resp: 66708
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 15.1 12.2 18.2





#72

Anthracene

Concen: 3.499 ng

RT: 11.433 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138871.D

Acq: 08 Aug 2024 18:01

Instrument :

BNA_F

ClientSampleId :

HD-01-080624

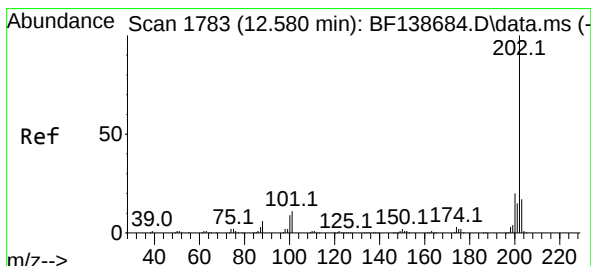
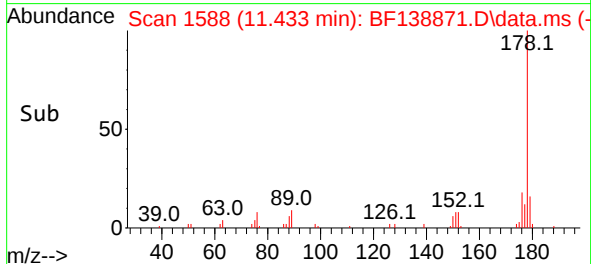
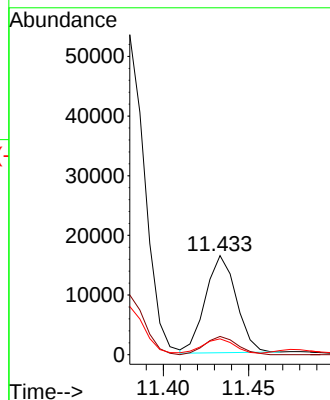
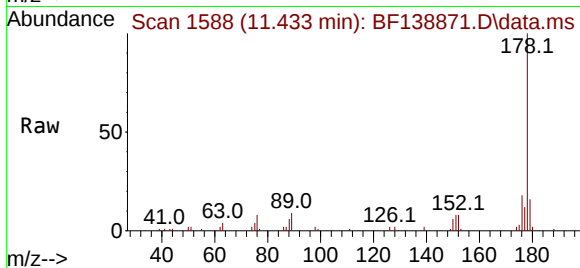
Tgt Ion:178 Resp: 20551

Ion Ratio Lower Upper

178 100

176 18.4 14.9 22.3

179 16.0 12.4 18.6



#75

Fluoranthene

Concen: 24.826 ng

RT: 12.568 min Scan# 1781

Delta R.T. -0.012 min

Lab File: BF138871.D

Acq: 08 Aug 2024 18:01

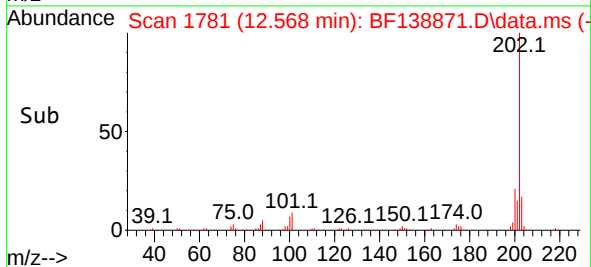
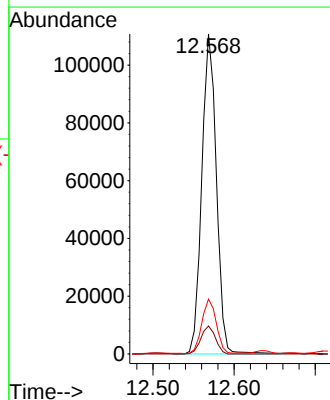
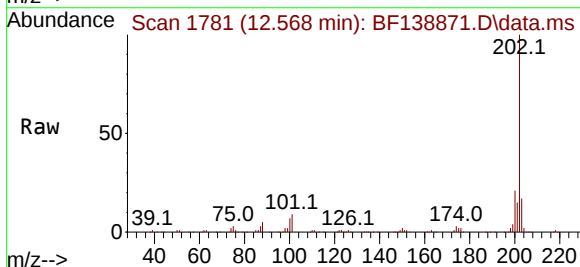
Tgt Ion:202 Resp: 138188

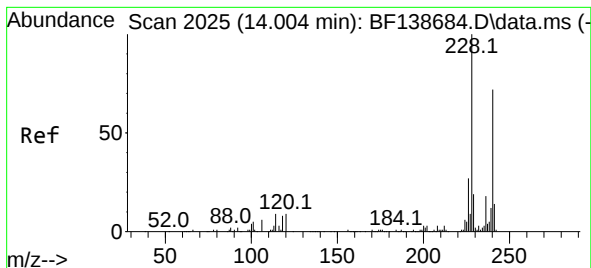
Ion Ratio Lower Upper

202 100

101 8.8 0.0 31.2

203 17.1 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF138871.D

Acq: 08 Aug 2024 18:01

Instrument :

BNA_F

ClientSampleId :

HD-01-080624

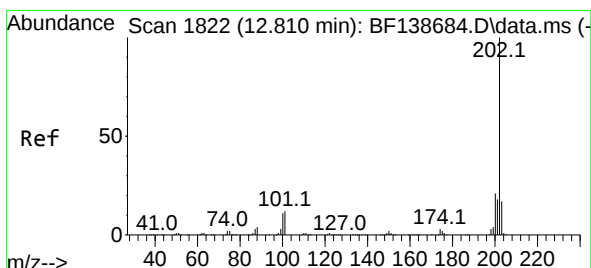
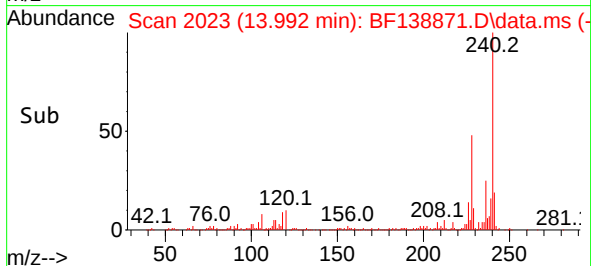
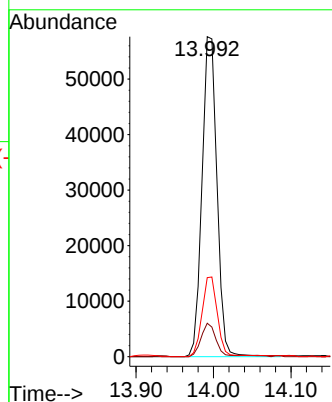
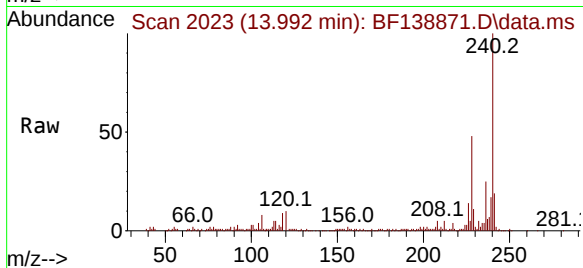
Tgt Ion:240 Resp: 77484

Ion Ratio Lower Upper

240 100

120 10.5 10.2 15.4

236 24.7 19.8 29.8



#78

Pyrene

Concen: 16.177 ng

RT: 12.798 min Scan# 1820

Delta R.T. -0.012 min

Lab File: BF138871.D

Acq: 08 Aug 2024 18:01

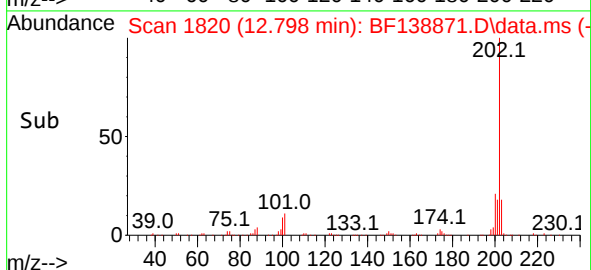
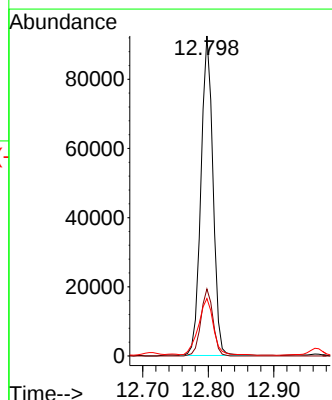
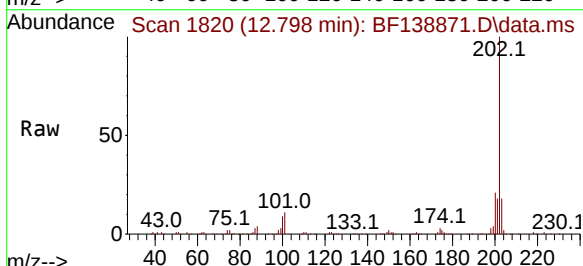
Tgt Ion:202 Resp: 118015

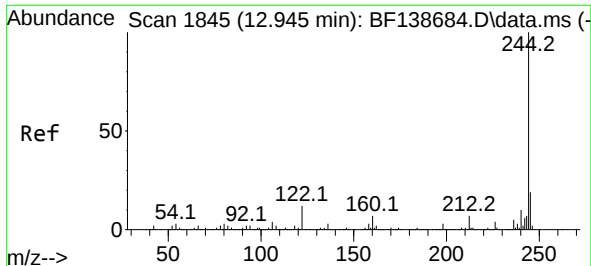
Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

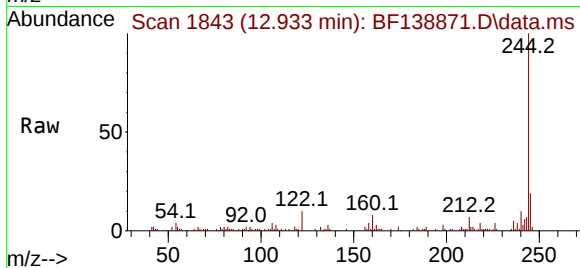
203 17.9 13.8 20.6



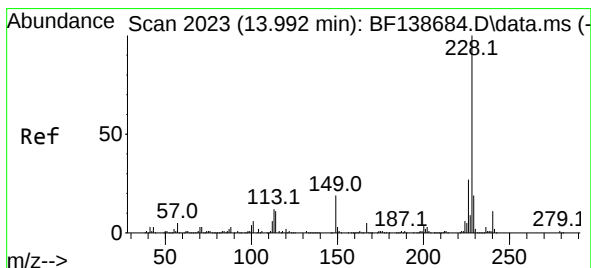
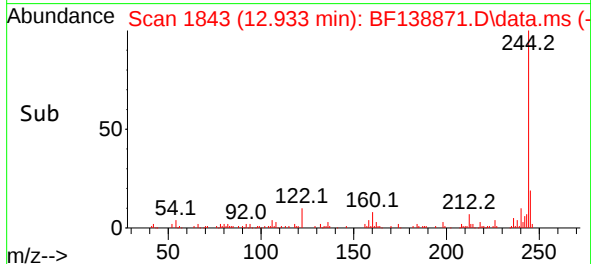
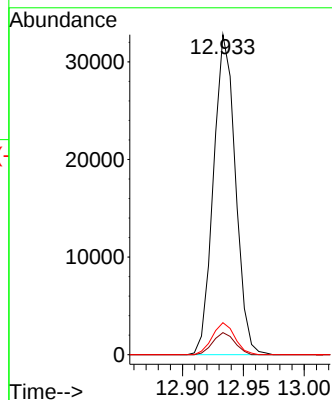


#79
Terphenyl-d14
Concen: 8.897 ng
RT: 12.933 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138871.D
Acq: 08 Aug 2024 18:01

Instrument :
BNA_F
ClientSampleId :
HD-01-080624

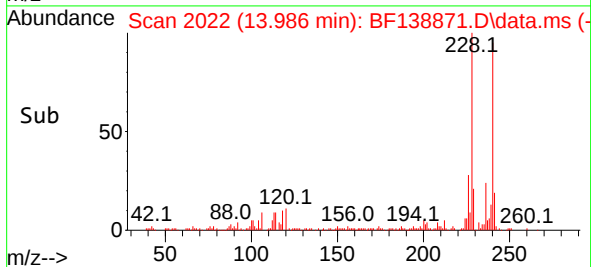
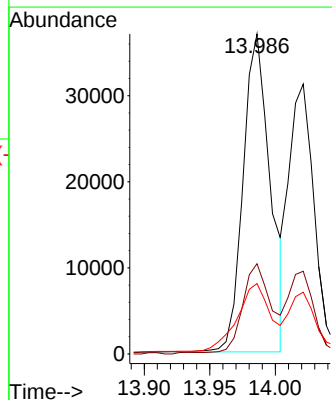
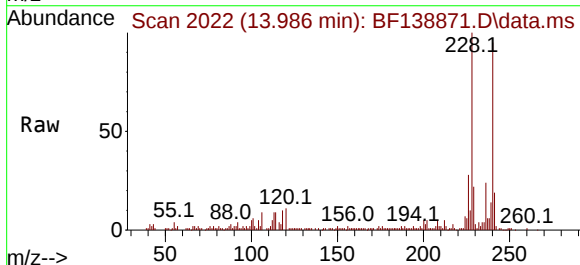


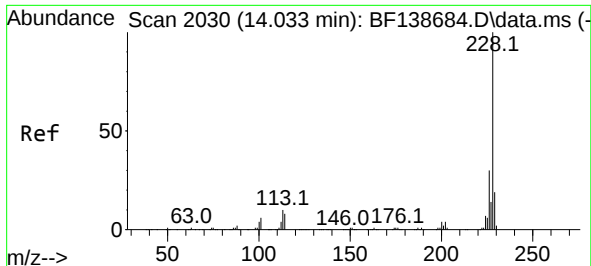
Tgt Ion:244 Resp: 41174
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.2
122 10.0 9.6 14.4



#81
Benzo(a)anthracene
Concen: 9.984 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF138871.D
Acq: 08 Aug 2024 18:01

Tgt Ion:228 Resp: 53270
Ion Ratio Lower Upper
228 100
226 28.2 22.1 33.1
229 22.0 15.4 23.0

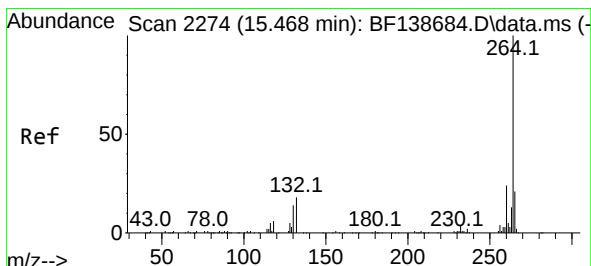
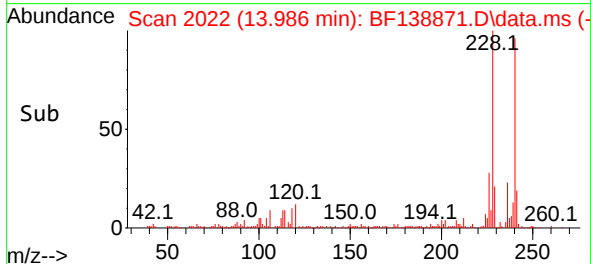
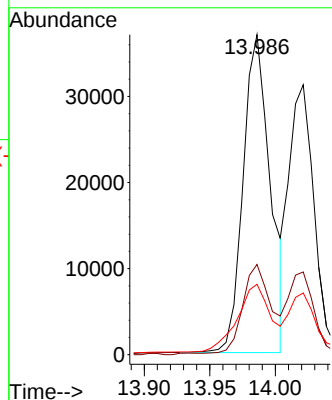
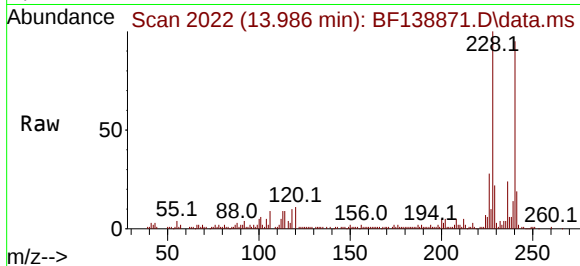




#83
Chrysene
Concen: 11.066 ng
RT: 13.986 min Scan# 2030
Delta R.T. -0.047 min
Lab File: BF138871.D
Acq: 08 Aug 2024 18:01

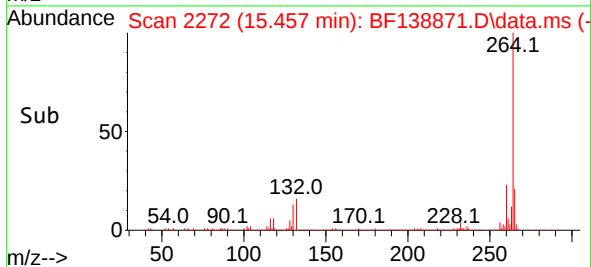
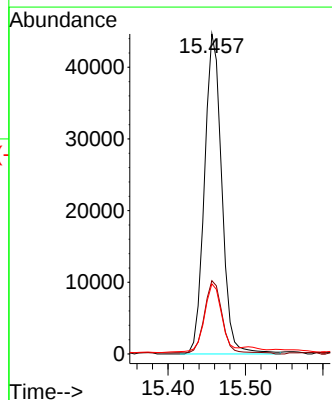
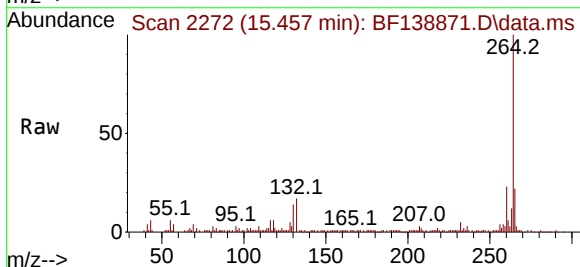
Instrument :
BNA_F
ClientSampleId :
HD-01-080624

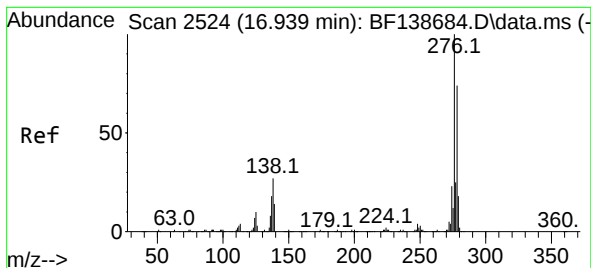
Tgt Ion:	228	Resp:	53270
Ion Ratio	Lower	Upper	
228	100		
226	28.2	23.7	35.5
229	22.0	15.0	22.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF138871.D
Acq: 08 Aug 2024 18:01

Tgt Ion:	264	Resp:	69361
Ion Ratio	Lower	Upper	
264	100		
260	22.9	19.0	28.6
265	21.9	17.0	25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.804 ng

RT: 16.927 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138871.D

Acq: 08 Aug 2024 18:01

Instrument :

BNA_F

ClientSampleId :

HD-01-080624

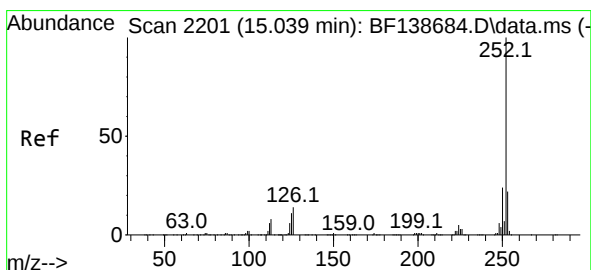
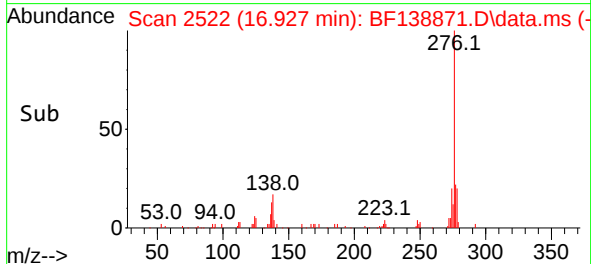
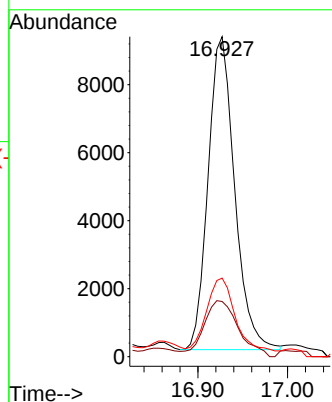
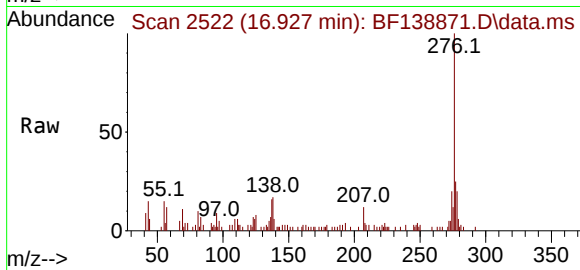
Tgt Ion:276 Resp: 18909

Ion Ratio Lower Upper

276 100

138 23.3 21.8 32.8

277 24.4 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 18.363 ng

RT: 15.033 min Scan# 2200

Delta R.T. -0.006 min

Lab File: BF138871.D

Acq: 08 Aug 2024 18:01

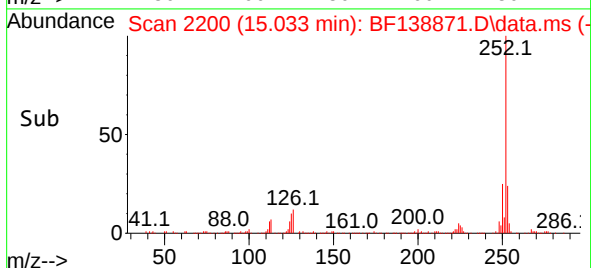
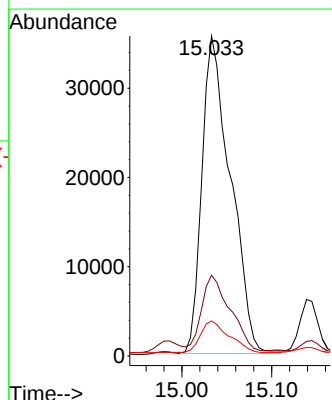
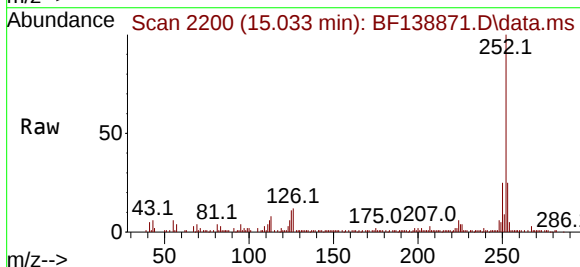
Tgt Ion:252 Resp: 78955

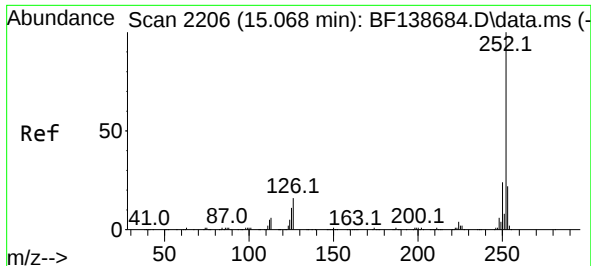
Ion Ratio Lower Upper

252 100

253 25.3 17.5 26.3

125 11.0 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 21.209 ng

RT: 15.033 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF138871.D

Acq: 08 Aug 2024 18:01

Instrument :

BNA_F

ClientSampleId :

HD-01-080624

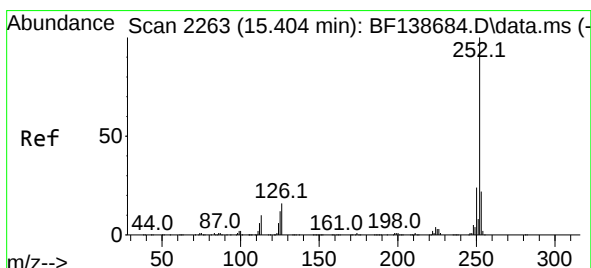
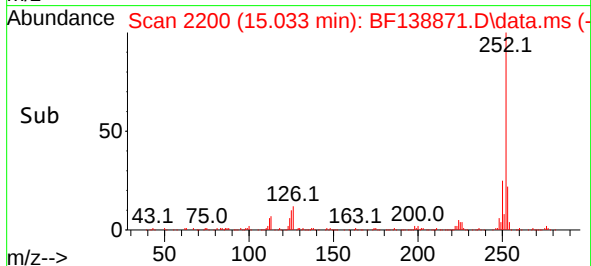
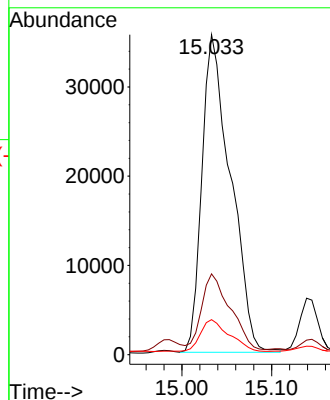
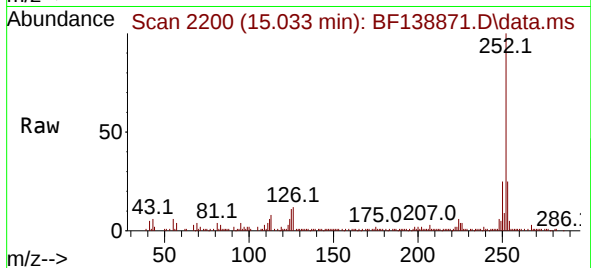
Tgt Ion:252 Resp: 78955

Ion Ratio Lower Upper

252 100

253 25.3 17.4 26.0

125 11.0 8.6 13.0



#90

Benzo(a)pyrene

Concen: 11.812 ng

RT: 15.398 min Scan# 2262

Delta R.T. -0.006 min

Lab File: BF138871.D

Acq: 08 Aug 2024 18:01

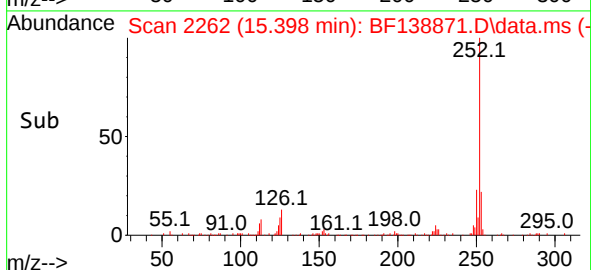
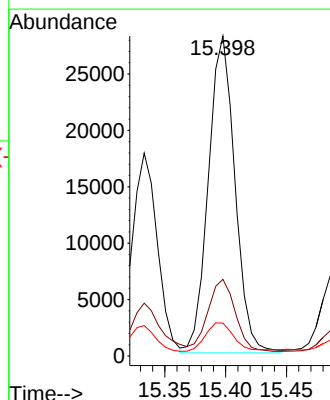
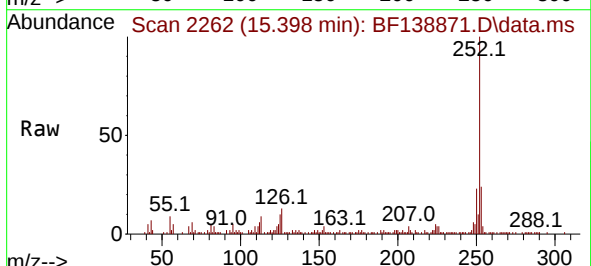
Tgt Ion:252 Resp: 42721

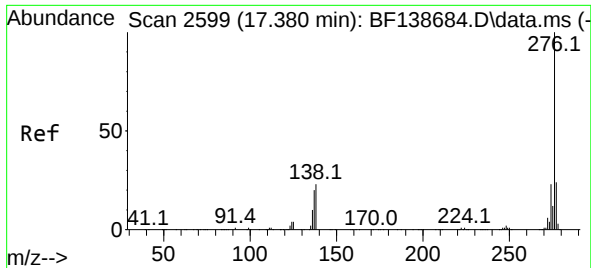
Ion Ratio Lower Upper

252 100

253 24.0 17.3 25.9

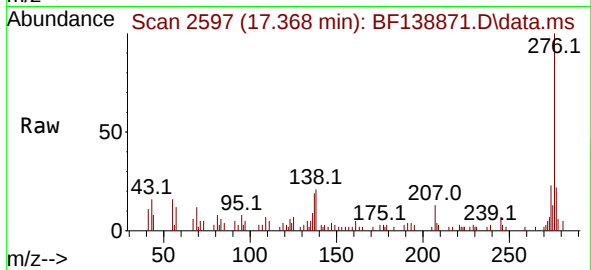
125 10.3 9.5 14.3





#92
 Benzo(g,h,i)perylene
 Concen: 4.640 ng
 RT: 17.368 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF138871.D
 Acq: 08 Aug 2024 18:01

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-080624



Tgt Ion:	276	Resp:	19645
Ion	Ratio	Lower	Upper
276	100		
277	22.1	19.0	28.4
138	21.4	18.5	27.7

