

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080624\
 Data File : BF138827.D
 Acq On : 07 Aug 2024 02:05
 Operator : RC/JU
 Sample : P3448-05DL 25X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP3DL

Quant Time: Aug 07 03:22:53 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)

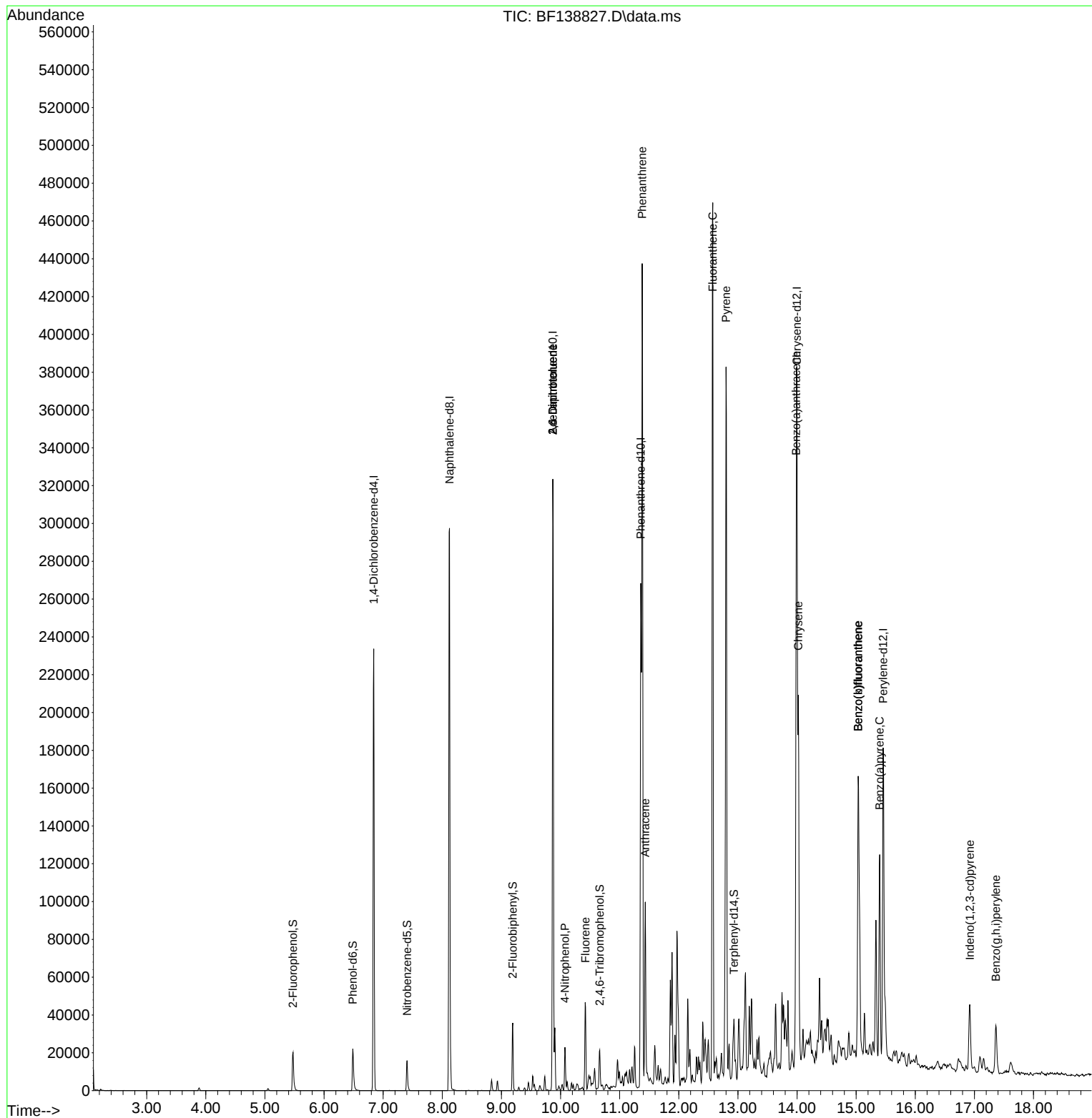
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	45268	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	183566	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	93866	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	134035	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	92400	20.000	ng	# 0.00
86) Perylene-d12	15.457	264	88934	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	9125	3.112	ng	0.00
7) Phenol-d6	6.487	99	12956	3.291	ng	0.00
23) Nitrobenzene-d5	7.404	82	8715	2.321	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	1686	2.193	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	16770	2.684	ng	-0.01
79) Terphenyl-d14	12.933	244	12038	2.181	ng	-0.01
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	9.869	165	12020	8.874	ng	# 19
56) 4-Nitrophenol	10.075	139	4846	5.755	ng	# 1
57) 2,4-Dinitrotoluene	9.869	165	12020	6.955	ng	# 16
58) Fluorene	10.422	166	17837	3.044	ng	96
71) Phenanthrene	11.381	178	222220	32.198	ng	100
72) Anthracene	11.433	178	52125	7.666	ng	99
75) Fluoranthene	12.575	202	259091	40.212	ng	98
78) Pyrene	12.798	202	212309	24.404	ng	98
81) Benzo(a)anthracene	13.986	228	117046	18.395	ng	98
83) Chrysene	14.022	228	93843	16.347	ng	97
87) Indeno(1,2,3-cd)pyrene	16.921	276	25288	3.968	ng	96
88) Benzo(b)fluoranthene	15.033	252	122248	22.174	ng	98
89) Benzo(k)fluoranthene	15.033	252	122248	25.611	ng	98
90) Benzo(a)pyrene	15.398	252	61347	13.229	ng	99
92) Benzo(g,h,i)perylene	17.362	276	22053	4.062	ng	94

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

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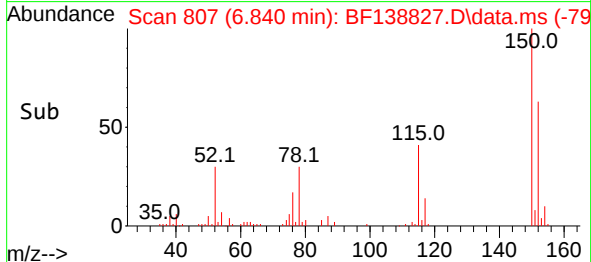
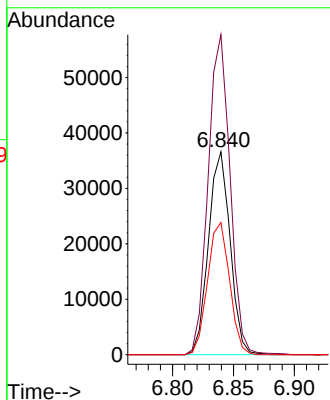
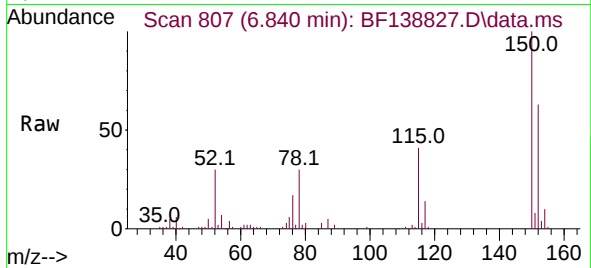




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 808
Delta R.T. -0.005 min
Lab File: BF138827.D
Acq: 07 Aug 2024 02:05

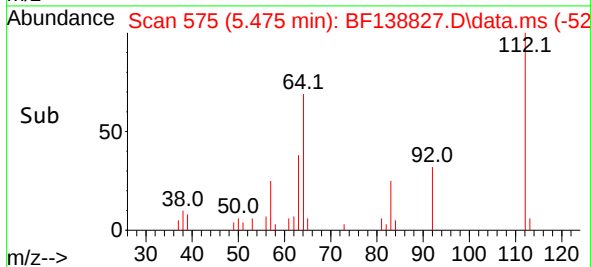
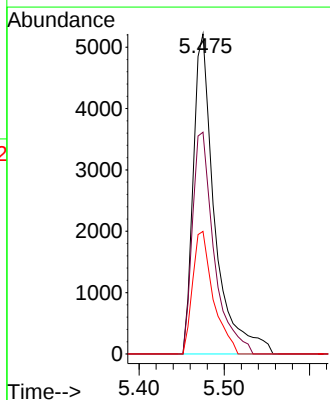
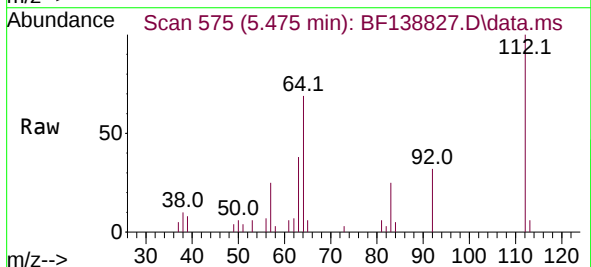
Instrument :
BNA_F
ClientSampleId :
TP3DL

Tgt Ion:152 Resp: 45268
Ion Ratio Lower Upper
152 100
150 157.7 126.0 189.0
115 65.2 51.7 77.5



#5
2-Fluorophenol
Concen: 3.112 ng
RT: 5.475 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF138827.D
Acq: 07 Aug 2024 02:05

Tgt Ion:112 Resp: 9125
Ion Ratio Lower Upper
112 100
64 69.3 54.2 81.4
63 38.3 28.7 43.1





#7

Phenol-d6

Concen: 3.291 ng

RT: 6.487 min Scan# 74

Delta R.T. 0.000 min

Lab File: BF138827.D

Acq: 07 Aug 2024 02:05

Instrument :

BNA_F

ClientSampleId :

TP3DL

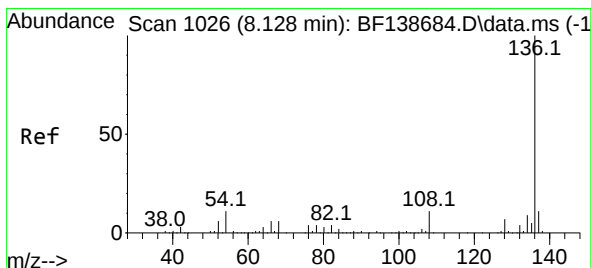
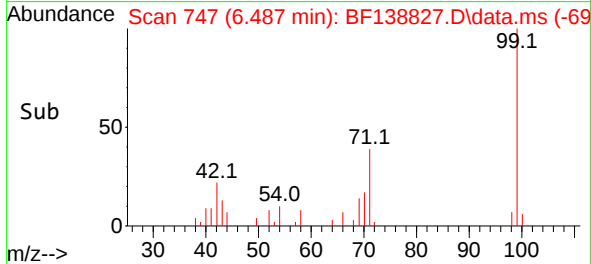
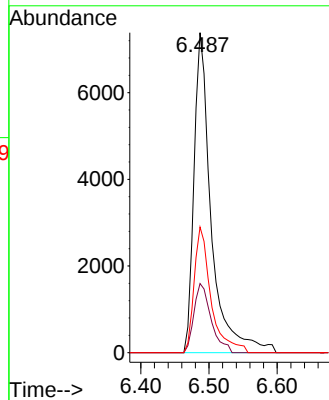
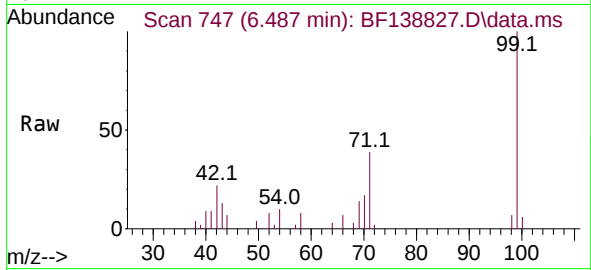
Tgt Ion: 99 Resp: 12956

Ion Ratio Lower Upper

99 100

42 21.6 17.4 26.0

71 39.3 28.1 42.1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.122 min Scan# 1025

Delta R.T. -0.006 min

Lab File: BF138827.D

Acq: 07 Aug 2024 02:05

Tgt Ion: 136 Resp: 183566

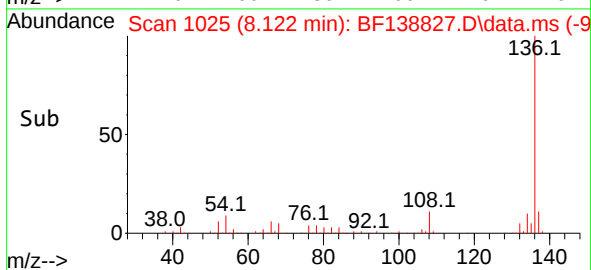
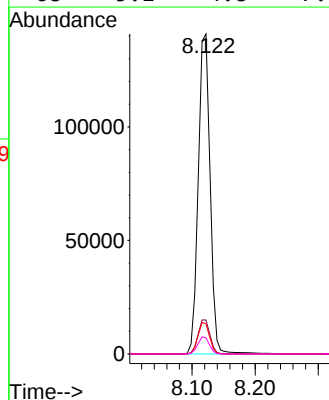
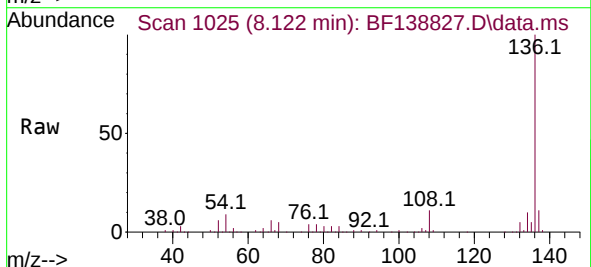
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 9.4 8.6 12.8

68 5.1 4.8 7.2





#23

Nitrobenzene-d5

Concen: 2.321 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF138827.D

Acq: 07 Aug 2024 02:05

Instrument :

BNA_F

ClientSampleId :

TP3DL

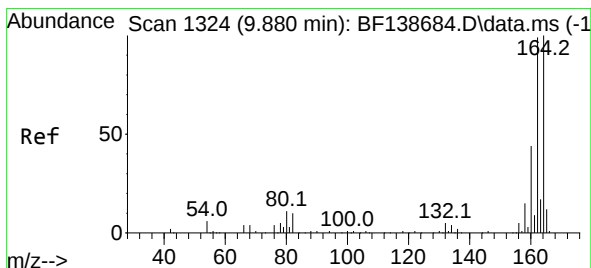
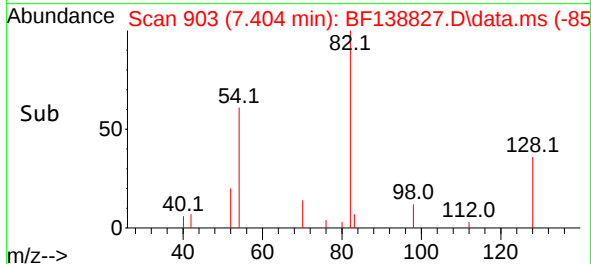
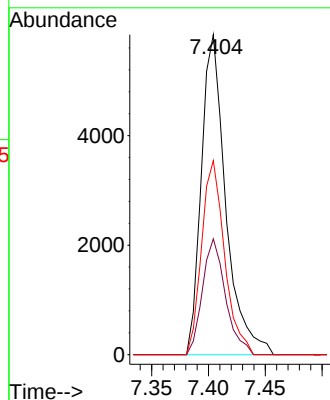
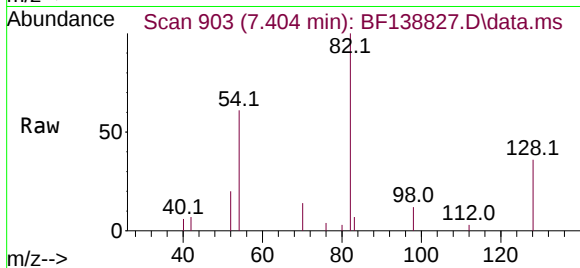
Tgt Ion: 82 Resp: 8715

Ion Ratio Lower Upper

82 100

128 36.2 32.8 49.2

54 60.7 48.3 72.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1322

Delta R.T. -0.011 min

Lab File: BF138827.D

Acq: 07 Aug 2024 02:05

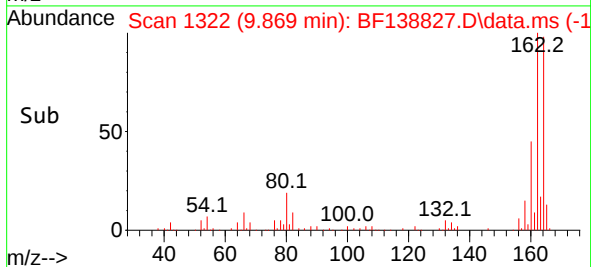
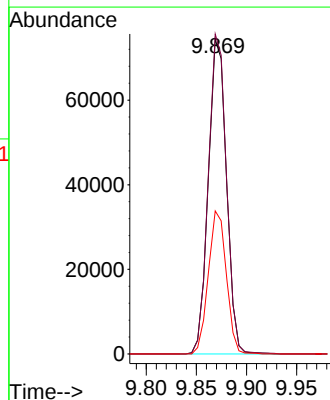
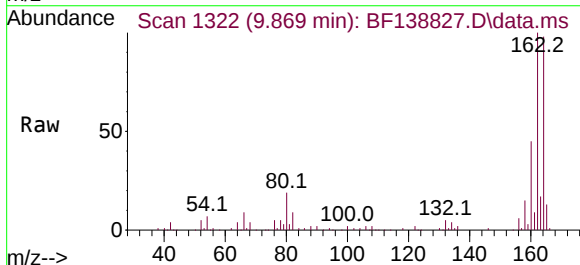
Tgt Ion:164 Resp: 93866

Ion Ratio Lower Upper

164 100

162 101.7 79.4 119.0

160 45.4 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 2.193 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.006 min

Lab File: BF138827.D

Acq: 07 Aug 2024 02:05

Instrument :

BNA_F

ClientSampleId :

TP3DL

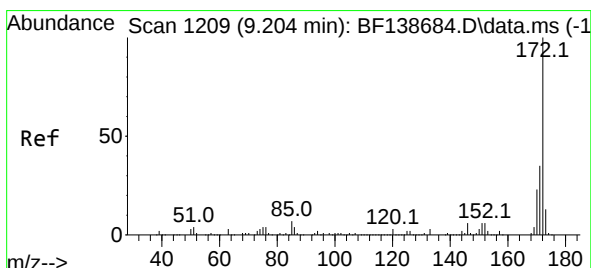
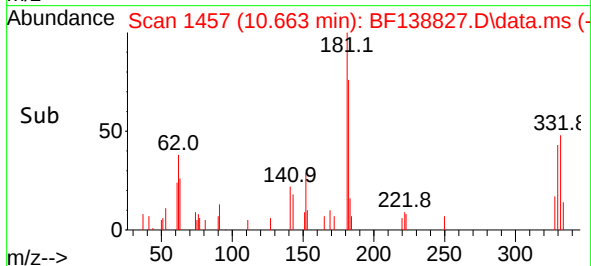
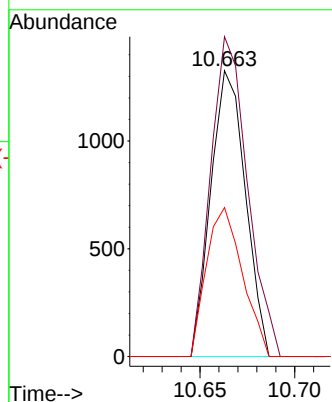
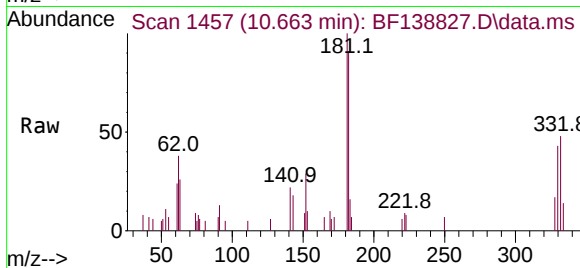
Tgt Ion:330 Resp: 1686

Ion Ratio Lower Upper

330 100

332 119.1 76.4 114.6#

141 54.3 31.1 46.7#



#45

2-Fluorobiphenyl

Concen: 2.684 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.012 min

Lab File: BF138827.D

Acq: 07 Aug 2024 02:05

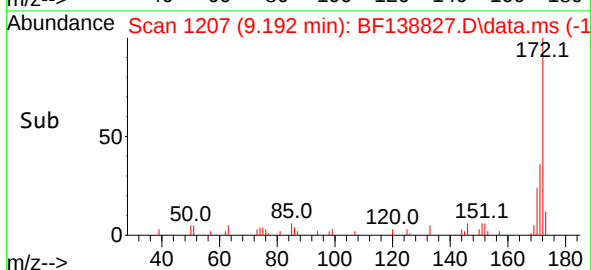
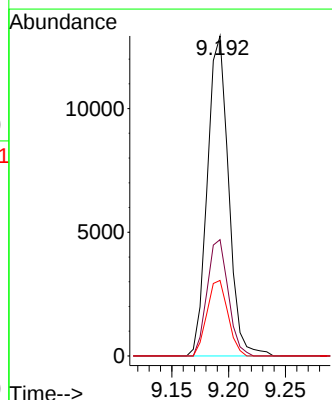
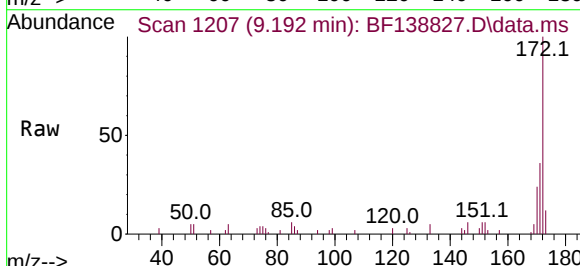
Tgt Ion:172 Resp: 16770

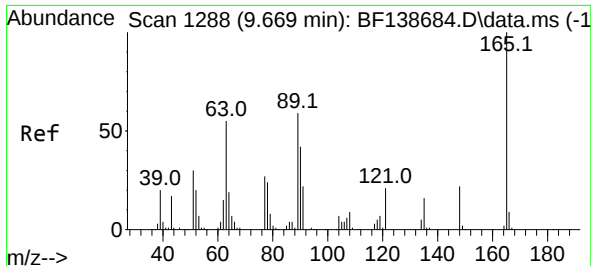
Ion Ratio Lower Upper

172 100

171 36.3 28.3 42.5

170 23.6 18.8 28.2

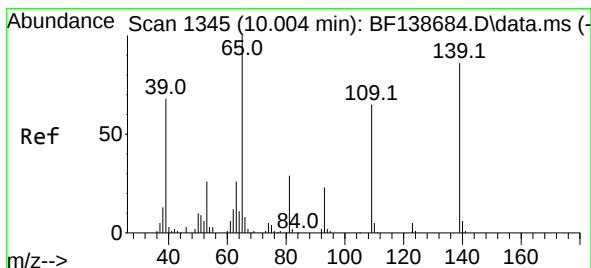
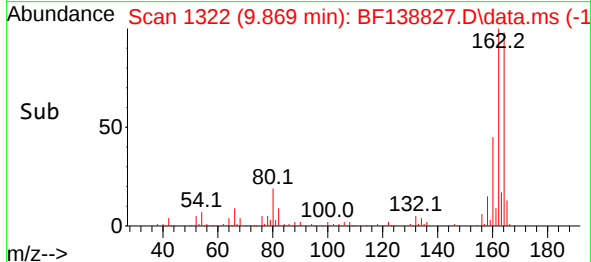
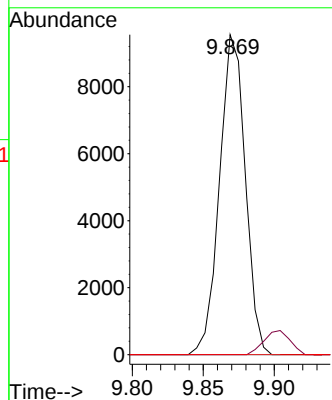
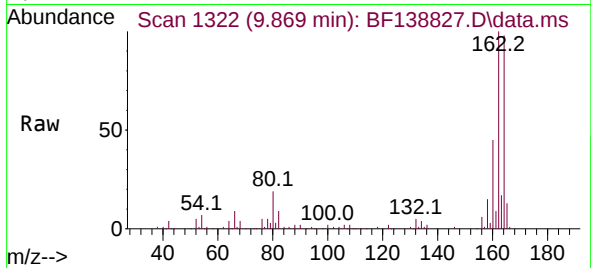




#51
2,6-Dinitrotoluene
Concen: 8.874 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF138827.D
Acq: 07 Aug 2024 02:05

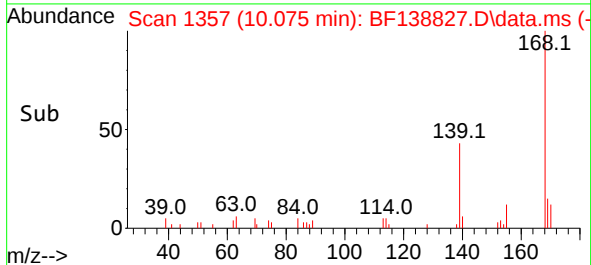
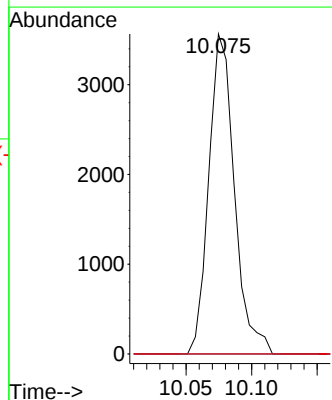
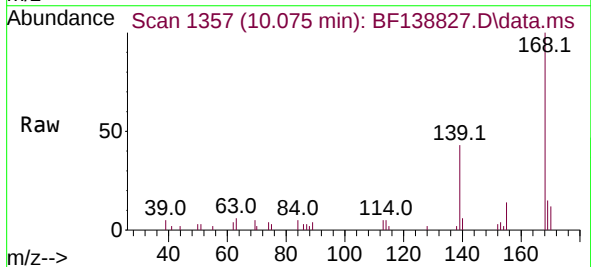
Instrument :
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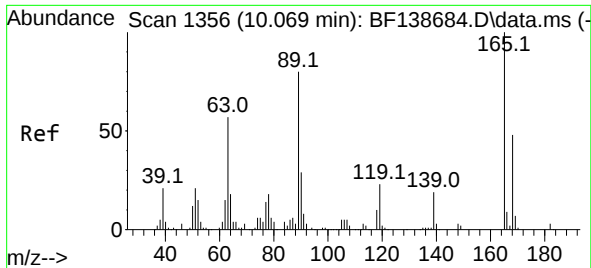
Tgt Ion:165 Resp: 12020
Ion Ratio Lower Upper
165 100
63 0.0 52.0 78.0#
89 0.0 47.0 70.6#



#56
4-Nitrophenol
Concen: 5.755 ng
RT: 10.075 min Scan# 1357
Delta R.T. 0.071 min
Lab File: BF138827.D
Acq: 07 Aug 2024 02:05

Tgt Ion:139 Resp: 4846
Ion Ratio Lower Upper
139 100
109 0.0 55.5 95.5#
65 0.0 96.7 136.7#

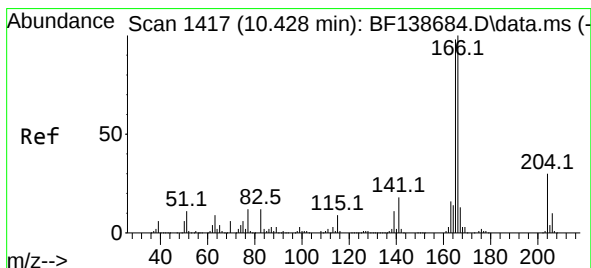
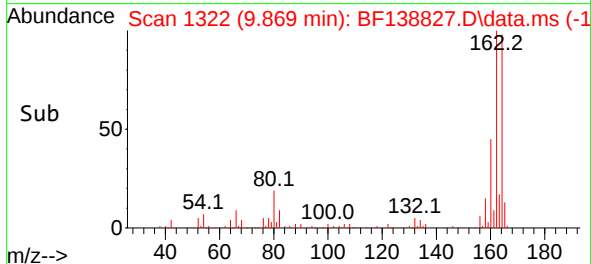
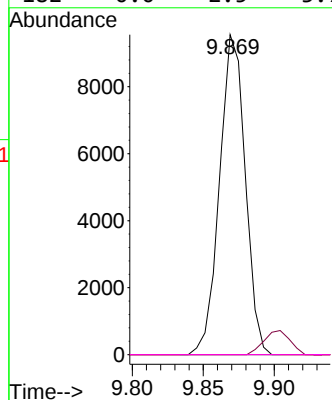
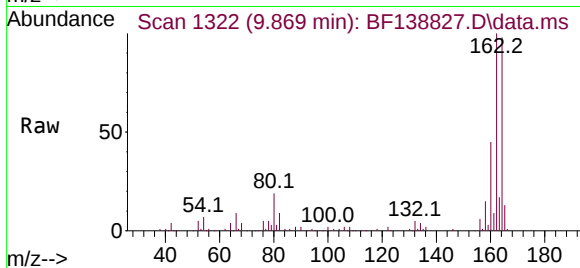




#57
2,4-Dinitrotoluene
Concen: 6.955 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF138827.D
Acq: 07 Aug 2024 02:05

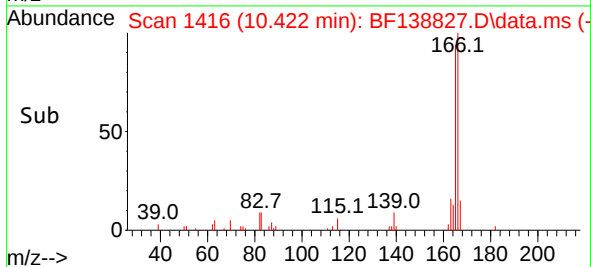
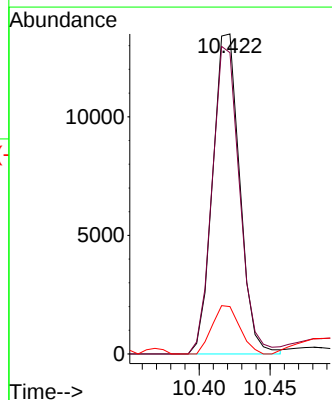
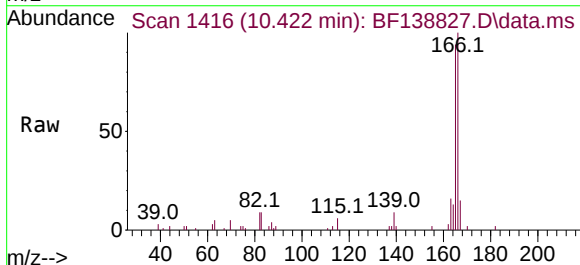
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:165 Resp: 12020
Ion Ratio Lower Upper
165 100
63 0.0 46.3 69.5#
89 0.0 64.2 96.4#
182 0.0 2.5 3.7#



#58
Fluorene
Concen: 3.044 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF138827.D
Acq: 07 Aug 2024 02:05

Tgt Ion:166 Resp: 17837
Ion Ratio Lower Upper
166 100
165 94.1 78.4 117.6
167 14.8 10.6 16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138827.D

Acq: 07 Aug 2024 02:05

Instrument :

BNA_F

ClientSampleId :

TP3DL

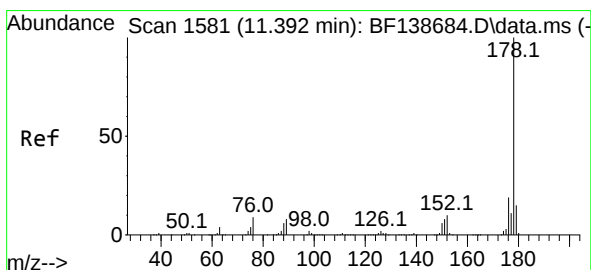
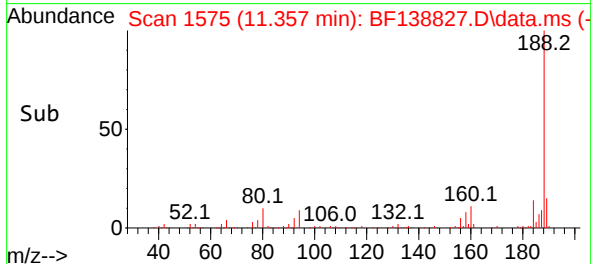
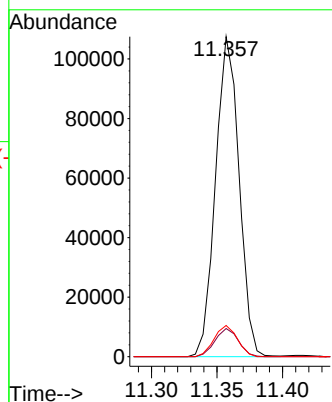
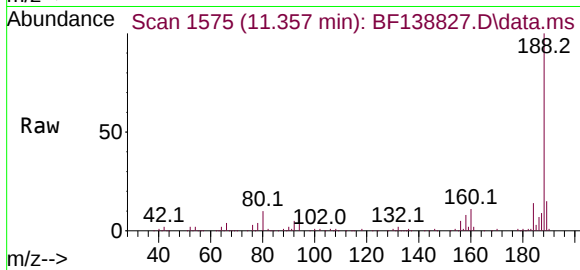
Tgt Ion:188 Resp: 134035

Ion Ratio Lower Upper

188 100

94 8.8 7.6 11.4

80 9.7 8.6 12.8



#71

Phenanthrene

Concen: 32.198 ng

RT: 11.381 min Scan# 1579

Delta R.T. -0.012 min

Lab File: BF138827.D

Acq: 07 Aug 2024 02:05

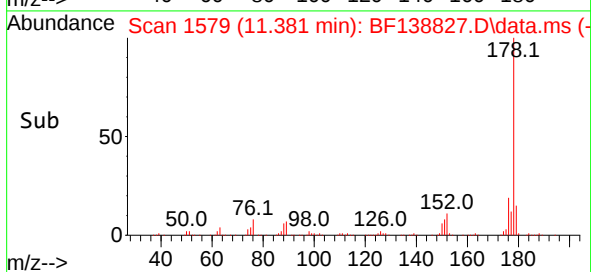
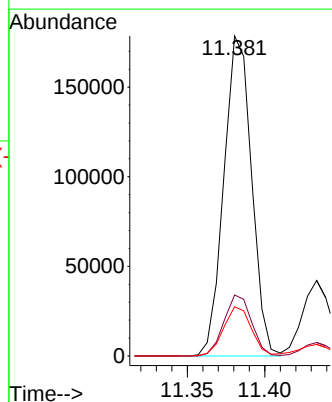
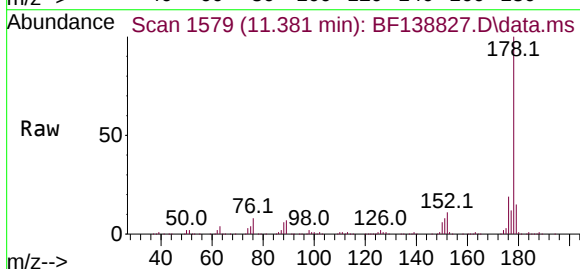
Tgt Ion:178 Resp: 222220

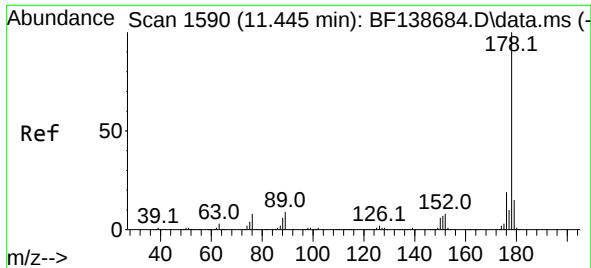
Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

179 15.4 12.2 18.2

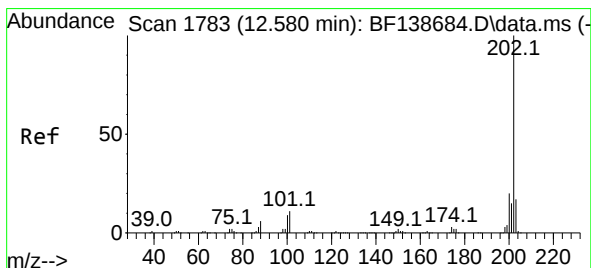
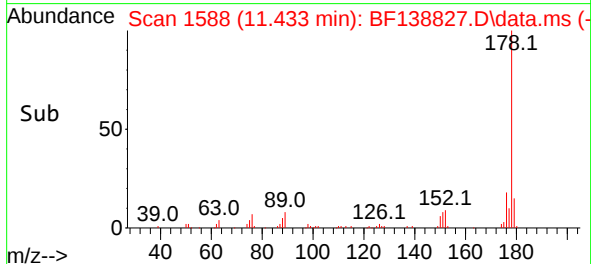
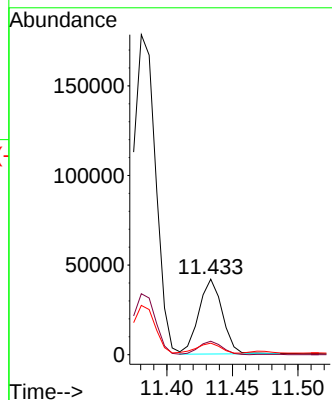
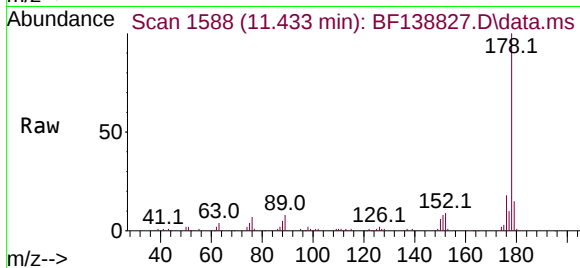




#72
 Anthracene
 Concen: 7.666 ng
 RT: 11.433 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF138827.D
 Acq: 07 Aug 2024 02:05

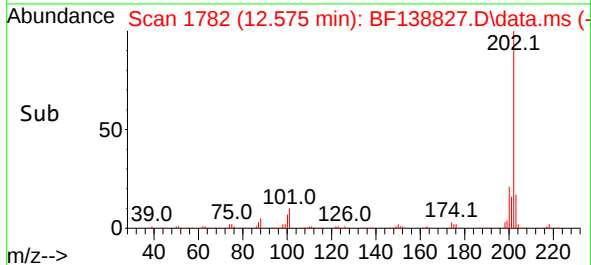
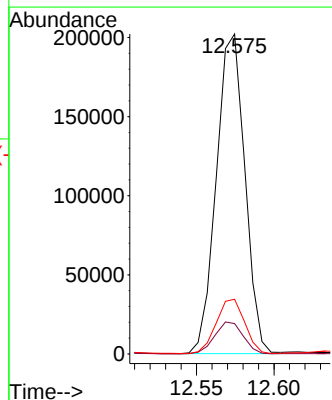
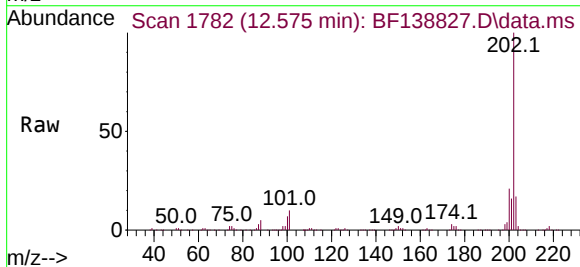
Instrument :
 BNA_F
 ClientSampleId :
 TP3DL

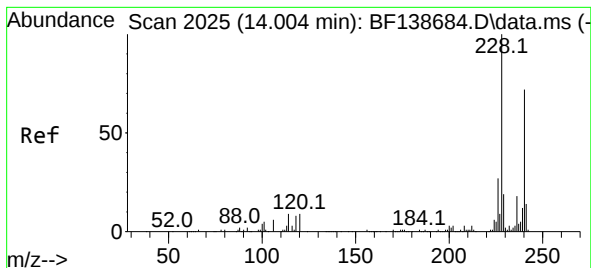
Tgt Ion:178 Resp: 52125
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.9 22.3
 179 15.2 12.4 18.6



#75
 Fluoranthene
 Concen: 40.212 ng
 RT: 12.575 min Scan# 1782
 Delta R.T. -0.006 min
 Lab File: BF138827.D
 Acq: 07 Aug 2024 02:05

Tgt Ion:202 Resp: 259091
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 31.2
 203 17.1 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF138827.D

Acq: 07 Aug 2024 02:05

Instrument :

BNA_F

ClientSampleId :

TP3DL

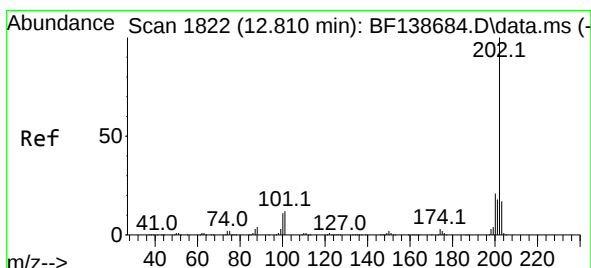
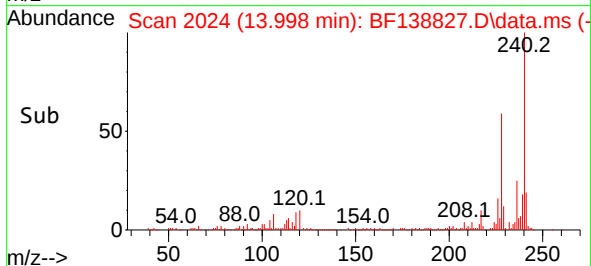
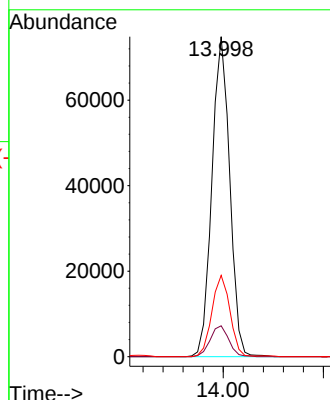
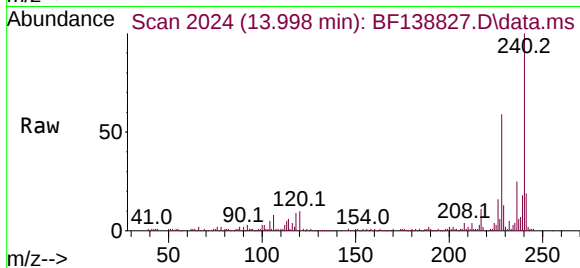
Tgt Ion:240 Resp: 92400

Ion Ratio Lower Upper

240 100

120 9.7 10.2 15.4#

236 25.4 19.8 29.8



#78

Pyrene

Concen: 24.404 ng

RT: 12.798 min Scan# 1820

Delta R.T. -0.012 min

Lab File: BF138827.D

Acq: 07 Aug 2024 02:05

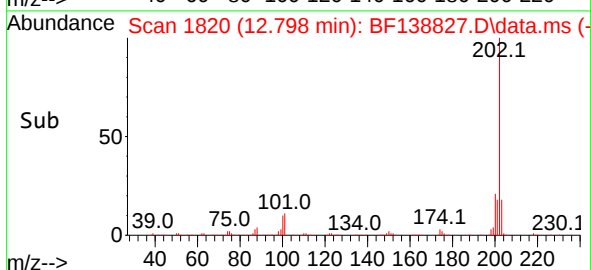
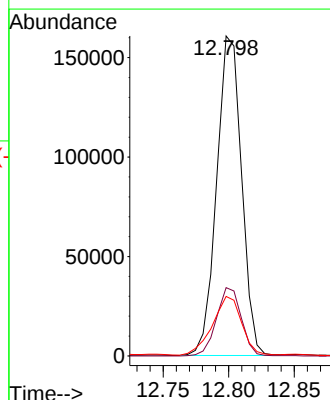
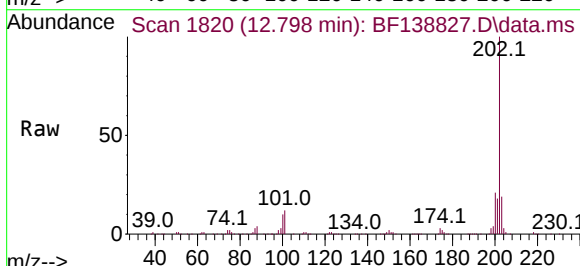
Tgt Ion:202 Resp: 212309

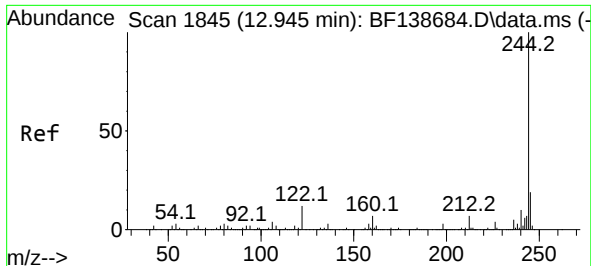
Ion Ratio Lower Upper

202 100

200 21.4 16.8 25.2

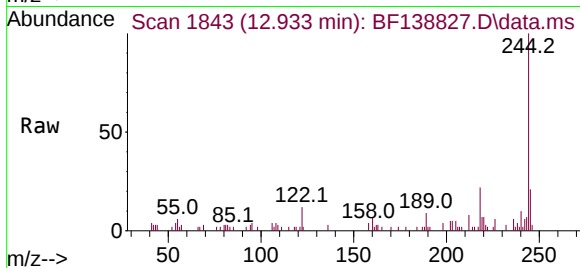
203 18.6 13.8 20.6



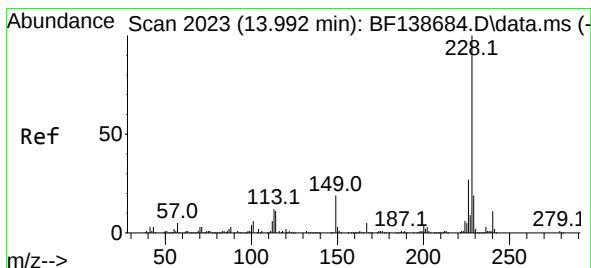
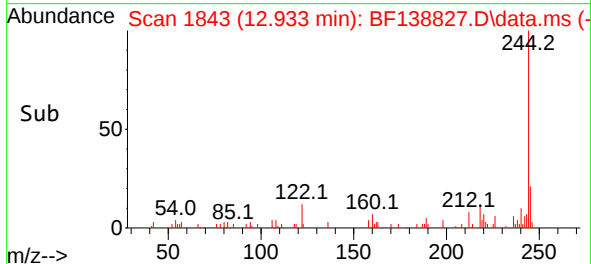
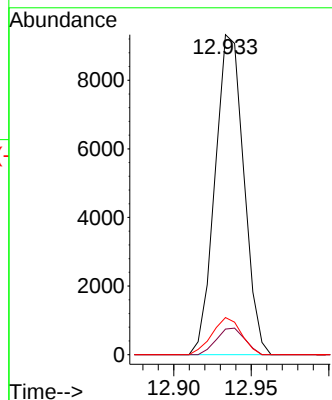


#79
 Terphenyl-d14
 Concen: 2.181 ng
 RT: 12.933 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF138827.D
 Acq: 07 Aug 2024 02:05

Instrument :
 BNA_F
 ClientSampleId :
 TP3DL

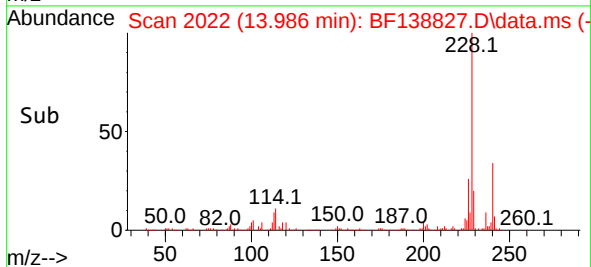
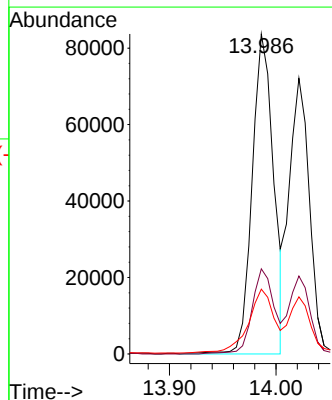
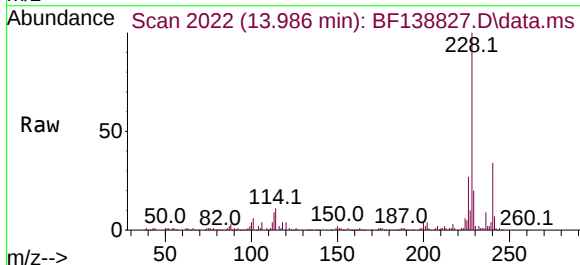


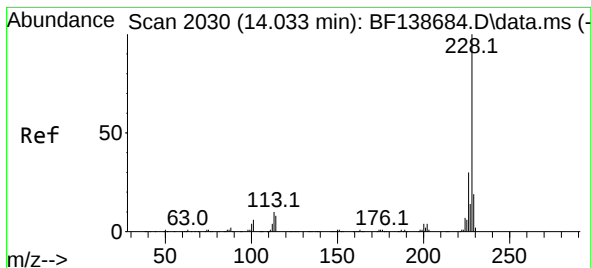
Tgt Ion:	244	Resp:	12038
Ion Ratio	Lower	Upper	
244	100		
212	8.0	5.4	8.2
122	13.7	9.6	14.4



#81
 Benzo(a)anthracene
 Concen: 18.395 ng
 RT: 13.986 min Scan# 2022
 Delta R.T. -0.006 min
 Lab File: BF138827.D
 Acq: 07 Aug 2024 02:05

Tgt Ion:	228	Resp:	117046
Ion Ratio	Lower	Upper	
228	100		
226	26.6	22.1	33.1
229	20.3	15.4	23.0





#83

Chrysene

Concen: 16.347 ng

RT: 14.022 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF138827.D

Acq: 07 Aug 2024 02:05

Instrument :

BNA_F

ClientSampleId :

TP3DL

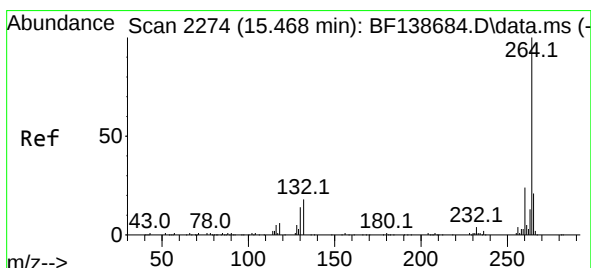
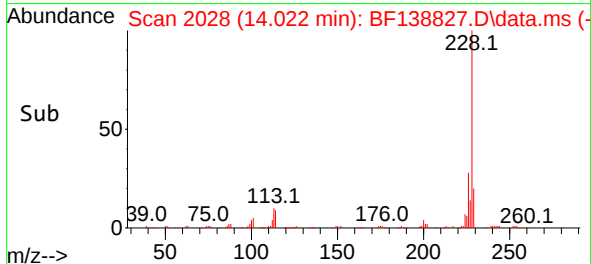
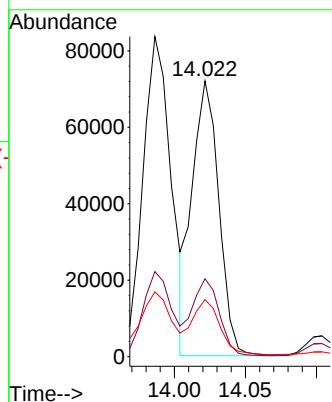
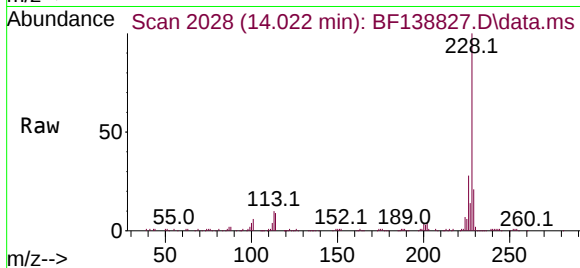
Tgt Ion:228 Resp: 93843

Ion Ratio Lower Upper

228 100

226 28.3 23.7 35.5

229 20.7 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: BF138827.D

Acq: 07 Aug 2024 02:05

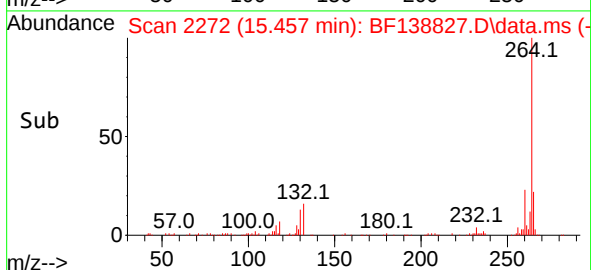
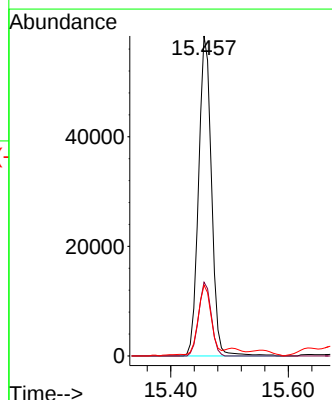
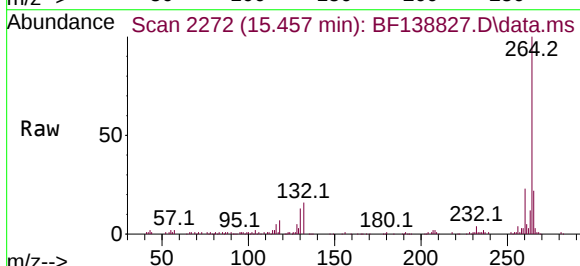
Tgt Ion:264 Resp: 88934

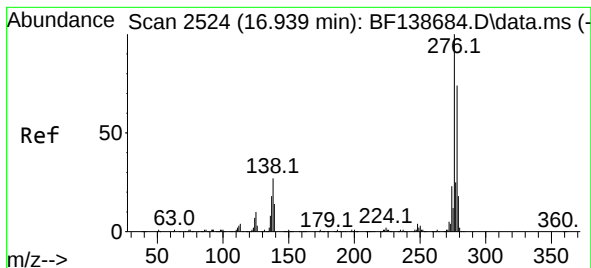
Ion Ratio Lower Upper

264 100

260 23.0 19.0 28.6

265 22.1 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.968 ng

RT: 16.921 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF138827.D

Acq: 07 Aug 2024 02:05

Instrument :

BNA_F

ClientSampleId :

TP3DL

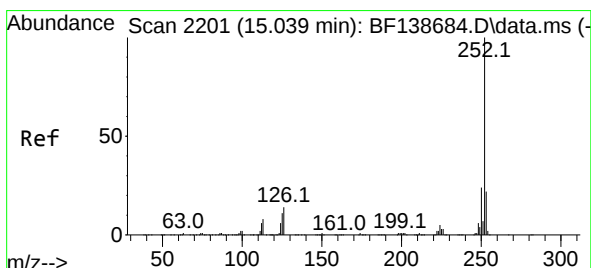
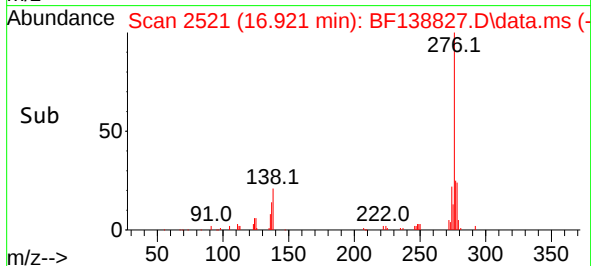
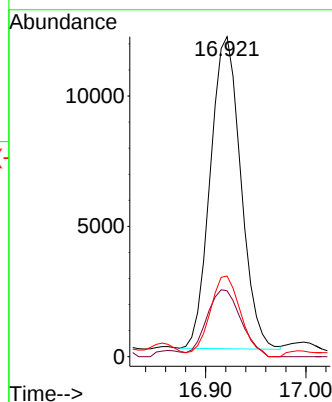
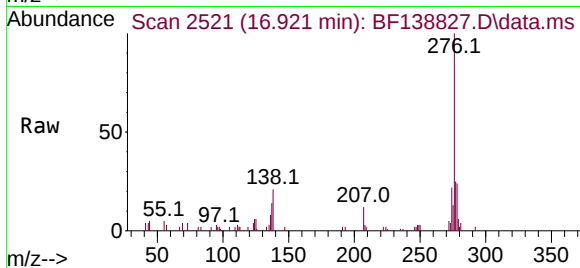
Tgt Ion:276 Resp: 25288

Ion Ratio Lower Upper

276 100

138 24.1 21.8 32.8

277 26.1 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 22.174 ng

RT: 15.033 min Scan# 2200

Delta R.T. -0.006 min

Lab File: BF138827.D

Acq: 07 Aug 2024 02:05

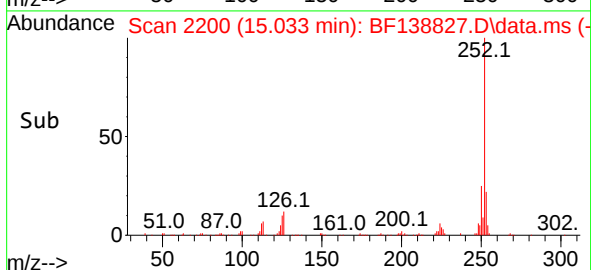
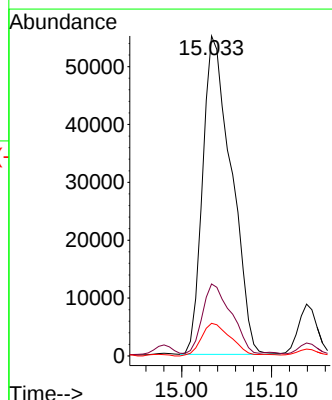
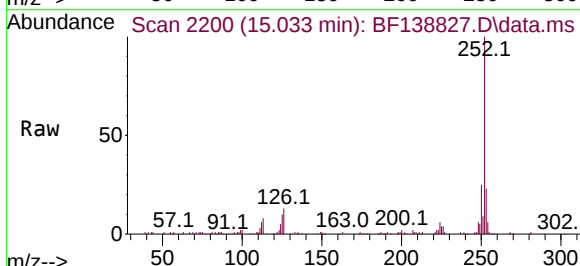
Tgt Ion:252 Resp: 122248

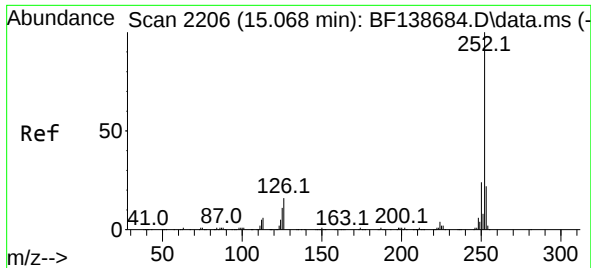
Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 10.2 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 25.611 ng

RT: 15.033 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF138827.D

Acq: 07 Aug 2024 02:05

Instrument :

BNA_F

ClientSampleId :

TP3DL

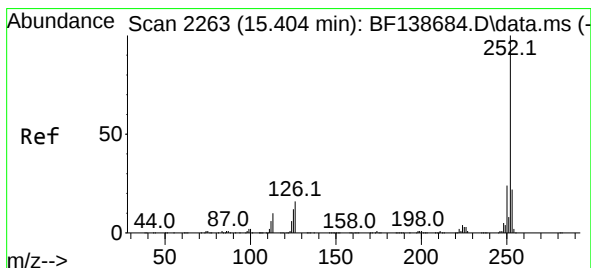
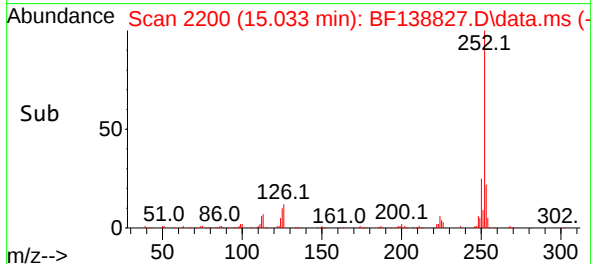
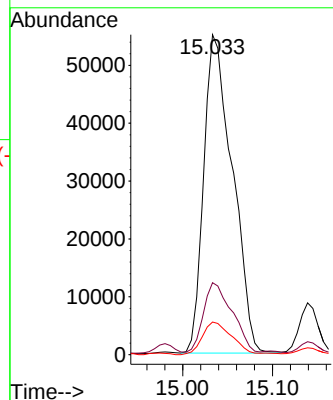
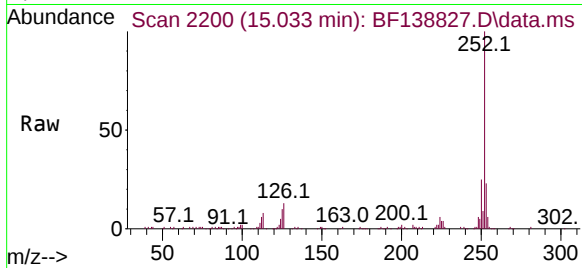
Tgt Ion:252 Resp: 122248

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

125 10.2 8.6 13.0



#90

Benzo(a)pyrene

Concen: 13.229 ng

RT: 15.398 min Scan# 2262

Delta R.T. -0.006 min

Lab File: BF138827.D

Acq: 07 Aug 2024 02:05

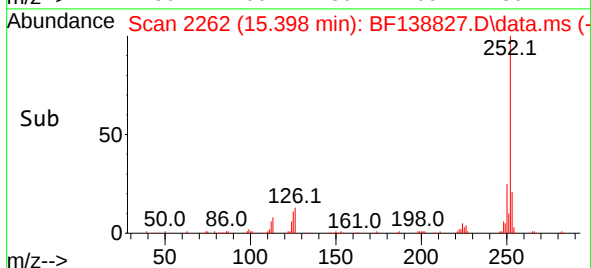
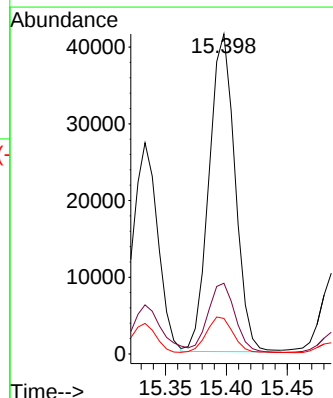
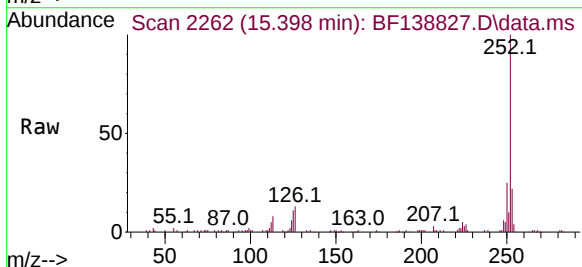
Tgt Ion:252 Resp: 61347

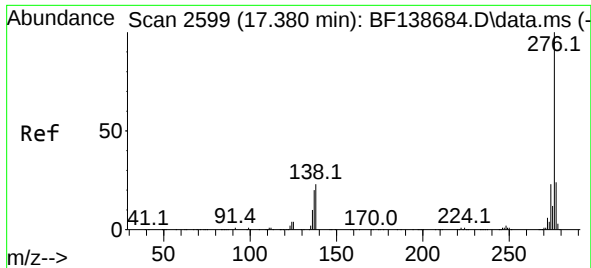
Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

125 11.1 9.5 14.3





#92
 Benzo(g,h,i)perylene
 Concen: 4.062 ng
 RT: 17.362 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF138827.D
 Acq: 07 Aug 2024 02:05

Instrument :
 BNA_F
 ClientSampleId :
 TP3DL

Tgt Ion:	276	Resp:	22053
Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.0	28.4
138	19.1	18.5	27.7

