

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080124\
 Data File : BF138731.D
 Acq On : 01 Aug 2024 18:35
 Operator : RC/JU
 Sample : P3368-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONC-3

Quant Time: Aug 02 04:02:14 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)

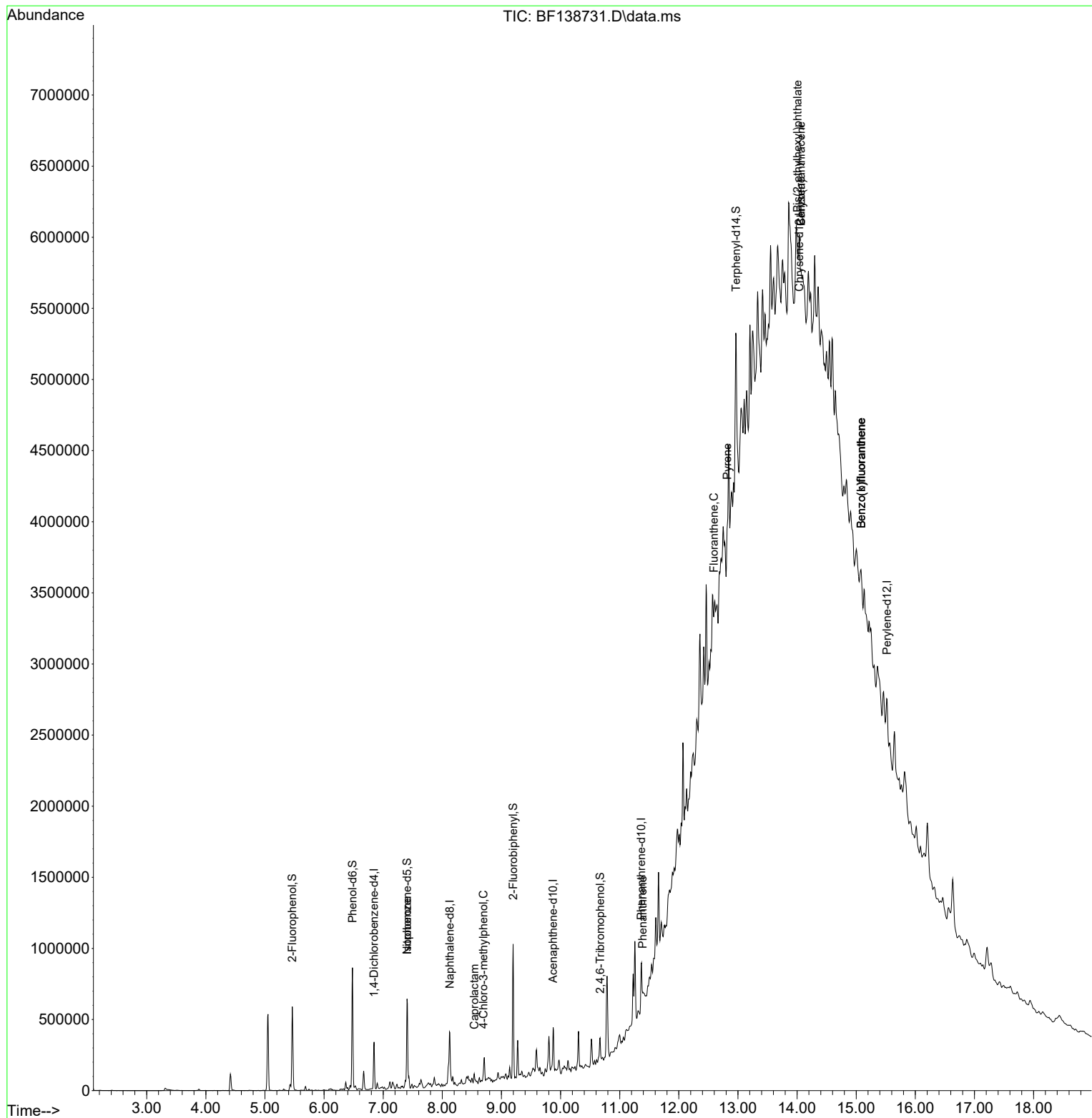
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	60264	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	215521	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	88860	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	141890	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	107334	20.000	ng	# 0.04
86) Perylene-d12	15.521	264	81991	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	203397	52.100	ng	0.00
7) Phenol-d6	6.481	99	370686	70.721	ng	0.00
23) Nitrobenzene-d5	7.404	82	265903	60.321	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	25872	35.544	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	382930	64.748	ng	0.00
79) Terphenyl-d14	12.968	244	375982	58.648	ng	0.02
Target Compounds						
						Qvalue
25) Isophorone	7.404	82	261778	34.778	ng	# 66
35) Caprolactam	8.539	113	2090	2.361	ng	# 1
36) 4-Chloro-3-methylphenol	8.692	107	9725	2.868	ng	# 23
71) Phenanthrene	11.386	178	32391	4.433	ng	# 89
75) Fluoranthene	12.592	202	50687	7.431	ng	# 76
78) Pyrene	12.821	202	51085	5.055	ng	# 74
81) Benzo(a)anthracene	14.063	228	64658	8.748	ng	# 68
83) Chrysene	14.063	228	64658	9.696	ng	# 71
84) Bis(2-ethylhexyl)phtha...	14.010	149	88745	18.727	ng	# 84
88) Benzo(b)fluoranthene	15.086	252	24445	4.810	ng	# 1
89) Benzo(k)fluoranthene	15.086	252	24294	5.521	ng	# 1

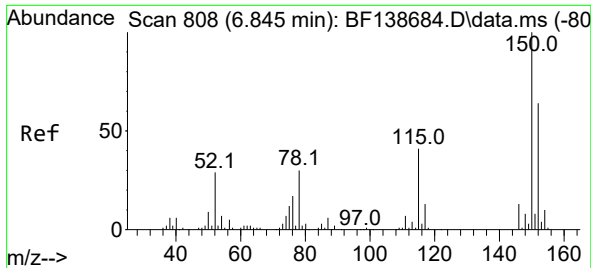
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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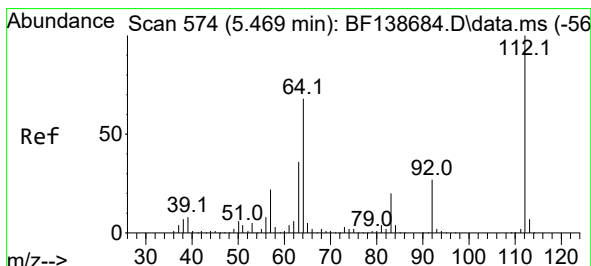
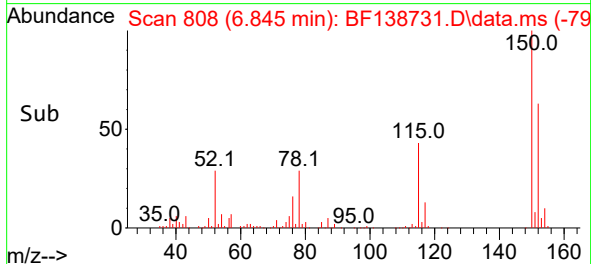
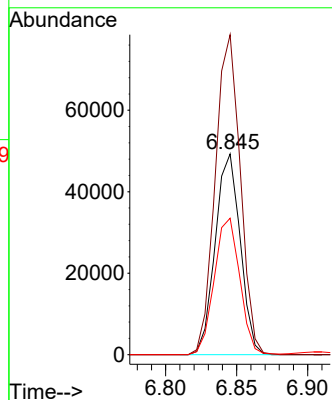
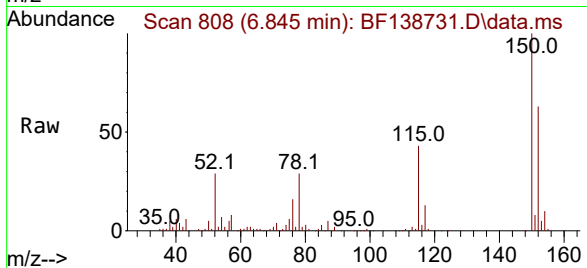




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF138731.D
Acq: 01 Aug 2024 18:35

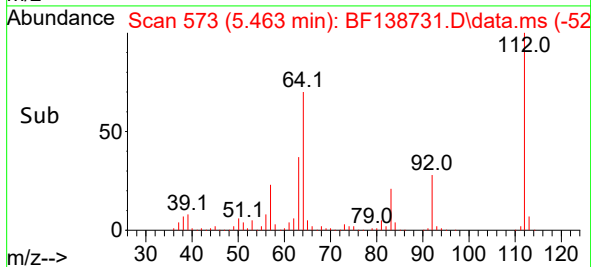
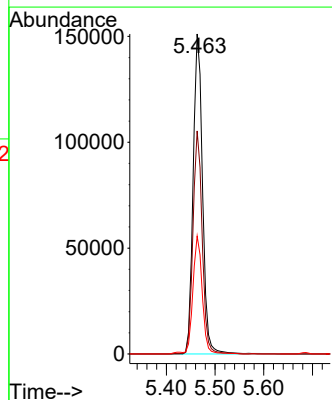
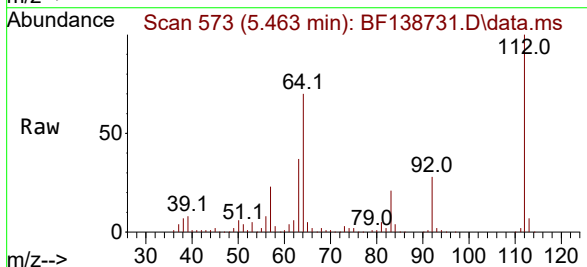
Instrument :
BNA_F
ClientSampleId :
CONC-3

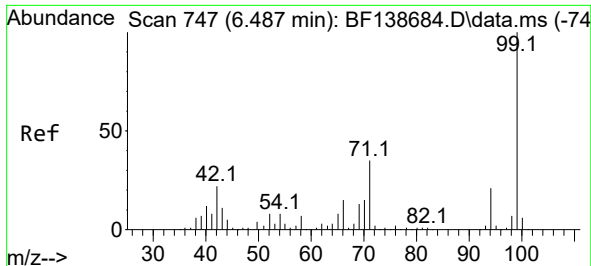
Tgt Ion:152 Resp: 60264
Ion Ratio Lower Upper
152 100
150 159.4 126.0 189.0
115 68.0 51.7 77.5



#5
2-Fluorophenol
Concen: 52.100 ng
RT: 5.463 min Scan# 573
Delta R.T. -0.006 min
Lab File: BF138731.D
Acq: 01 Aug 2024 18:35

Tgt Ion:112 Resp: 203397
Ion Ratio Lower Upper
112 100
64 69.7 54.2 81.4
63 36.8 28.7 43.1

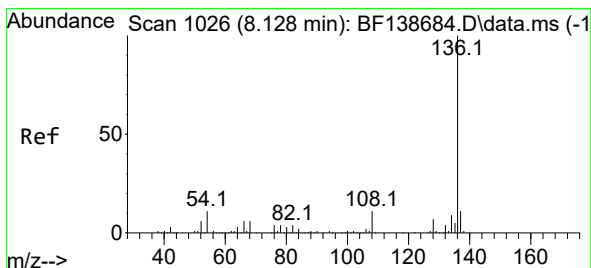
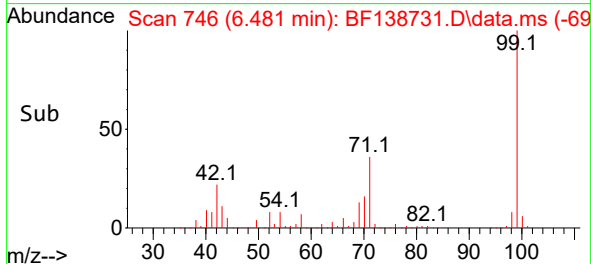
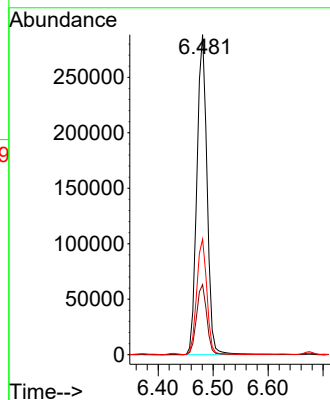
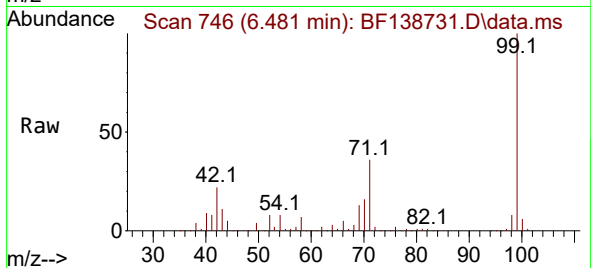




#7
Phenol-d6
Concen: 70.721 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138731.D
Acq: 01 Aug 2024 18:35

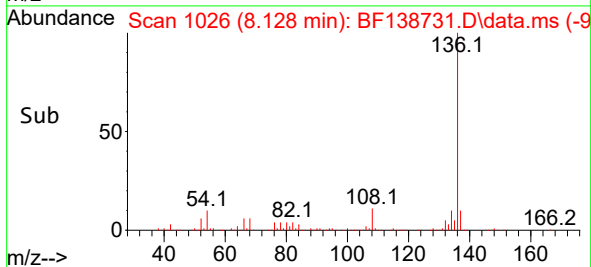
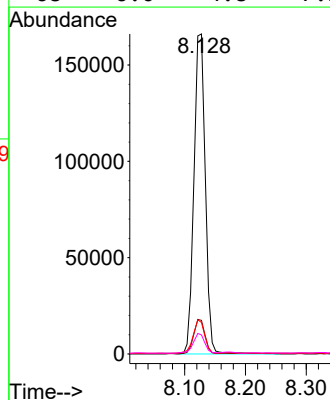
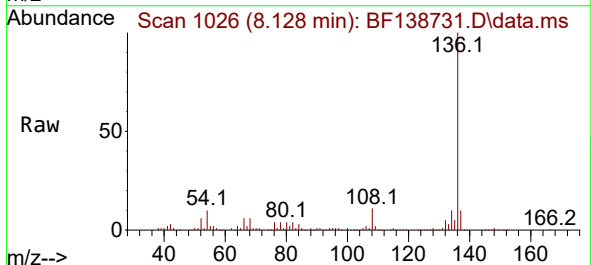
Instrument :
BNA_F
ClientSampleId :
CONC-3

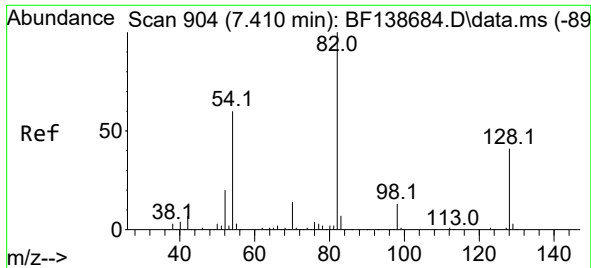
Tgt Ion: 99 Resp: 370686
Ion Ratio Lower Upper
99 100
42 21.9 17.4 26.0
71 36.1 28.1 42.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF138731.D
Acq: 01 Aug 2024 18:35

Tgt Ion:136 Resp: 215521
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 9.8 8.6 12.8
68 6.0 4.8 7.2





#23

Nitrobenzene-d5

Concen: 60.321 ng

RT: 7.404 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF138731.D

Acq: 01 Aug 2024 18:35

Instrument :

BNA_F

ClientSampleId :

CONC-3

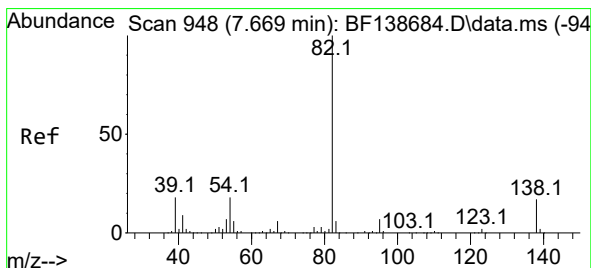
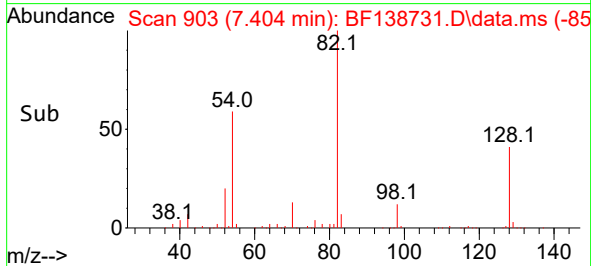
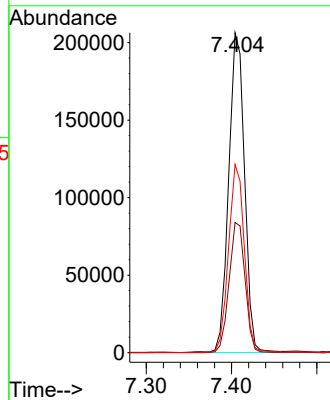
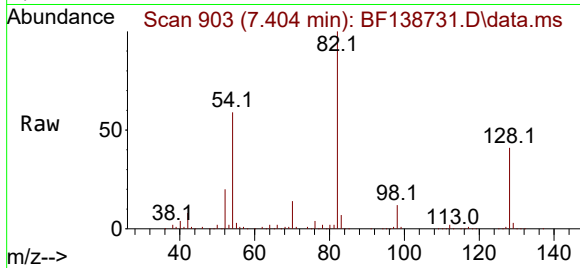
Tgt Ion: 82 Resp: 265903

Ion Ratio Lower Upper

82 100

128 40.7 32.8 49.2

54 58.8 48.3 72.5



#25

Isophorone

Concen: 34.778 ng

RT: 7.404 min Scan# 903

Delta R.T. -0.265 min

Lab File: BF138731.D

Acq: 01 Aug 2024 18:35

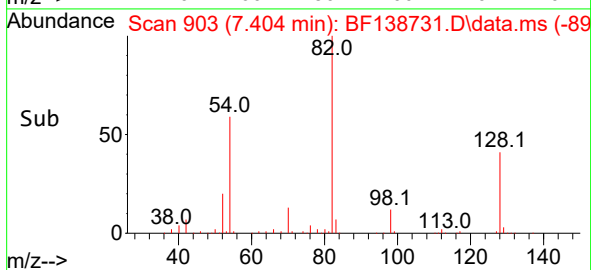
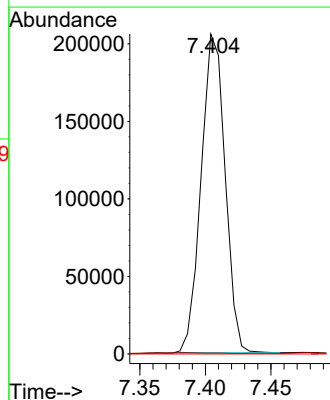
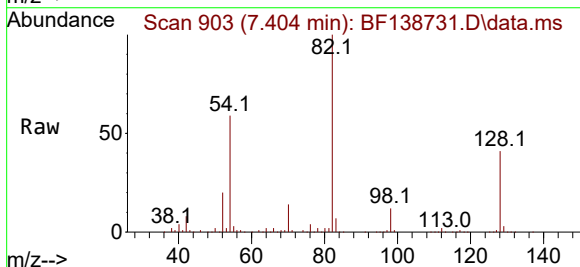
Tgt Ion: 82 Resp: 261778

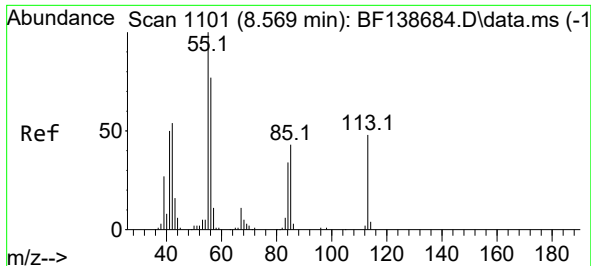
Ion Ratio Lower Upper

82 100

95 0.3 5.7 8.5#

138 0.0 13.7 20.5#

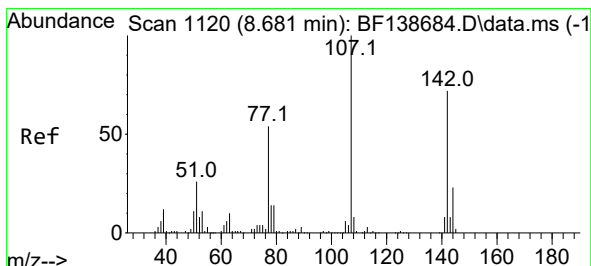
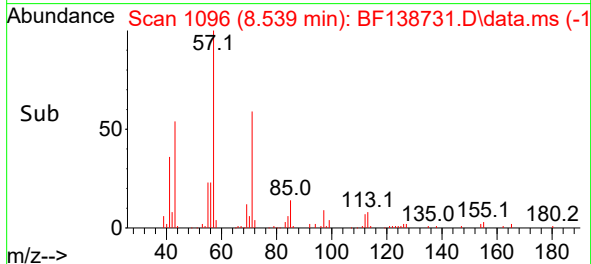
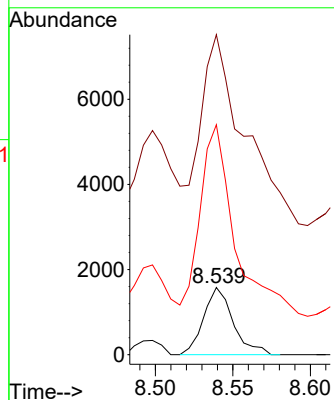
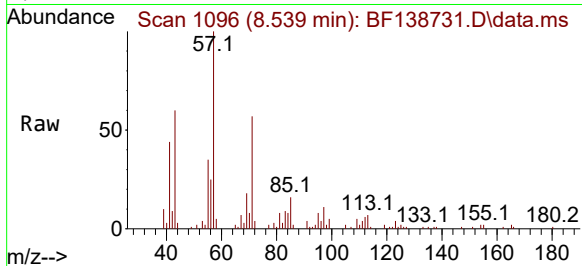




#35
 Caprolactam
 Concen: 2.361 ng
 RT: 8.539 min Scan# 1096
 Delta R.T. -0.030 min
 Lab File: BF138731.D
 Acq: 01 Aug 2024 18:35

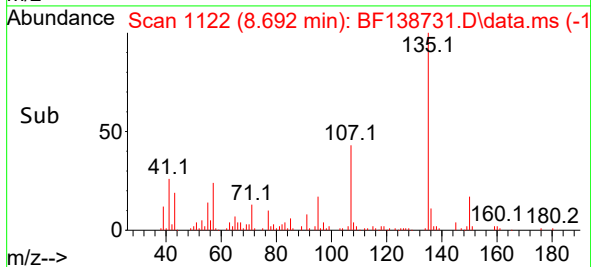
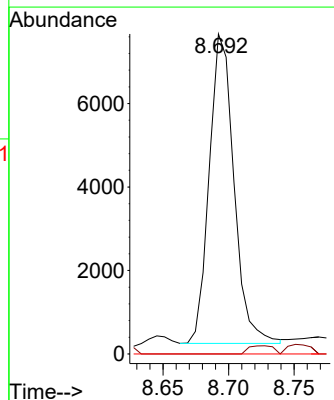
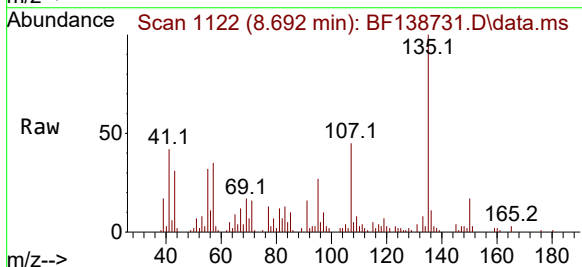
Instrument :
 BNA_F
 ClientSampleId :
 CONC-3

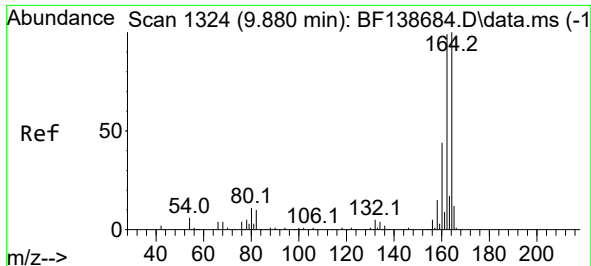
Tgt Ion:113 Resp: 2090
 Ion Ratio Lower Upper
 113 100
 55 476.1 186.7 226.7#
 56 342.0 138.9 178.9#



#36
 4-Chloro-3-methylphenol
 Concen: 2.868 ng
 RT: 8.692 min Scan# 1122
 Delta R.T. 0.012 min
 Lab File: BF138731.D
 Acq: 01 Aug 2024 18:35

Tgt Ion:107 Resp: 9725
 Ion Ratio Lower Upper
 107 100
 144 0.0 18.2 27.2#
 142 0.0 57.4 86.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1

Delta R.T. -0.005 min

Lab File: BF138731.D

Acq: 01 Aug 2024 18:35

Instrument :

BNA_F

ClientSampleId :

CONC-3

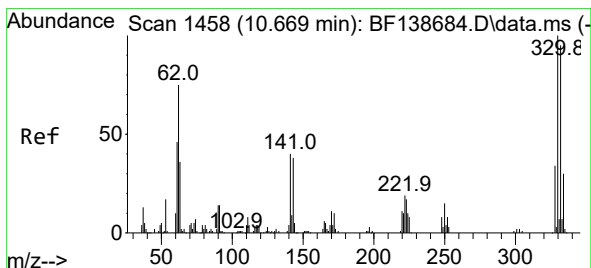
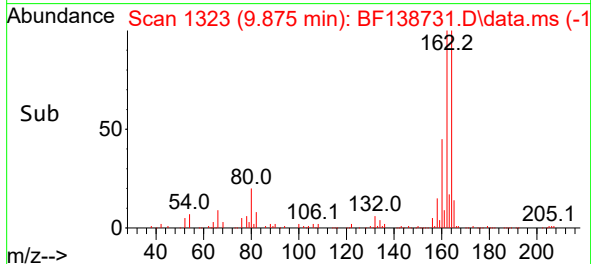
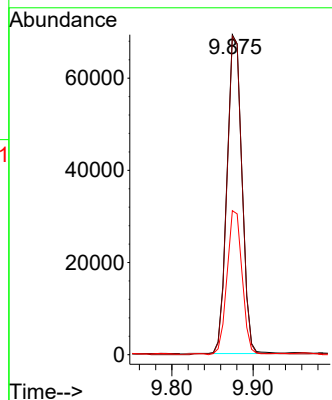
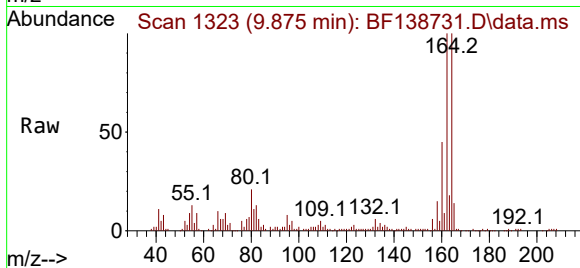
Tgt Ion:164 Resp: 88860

Ion Ratio Lower Upper

164 100

162 99.5 79.4 119.0

160 45.0 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 35.544 ng

RT: 10.669 min Scan# 1458

Delta R.T. -0.000 min

Lab File: BF138731.D

Acq: 01 Aug 2024 18:35

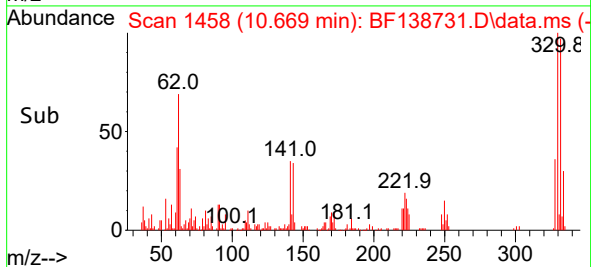
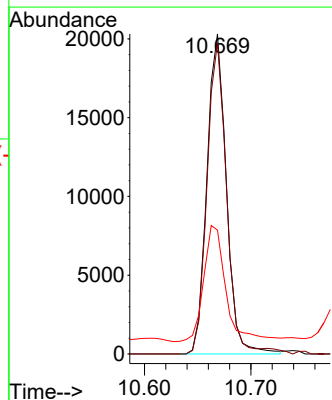
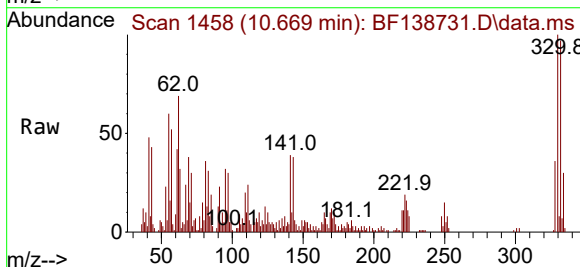
Tgt Ion:330 Resp: 25872

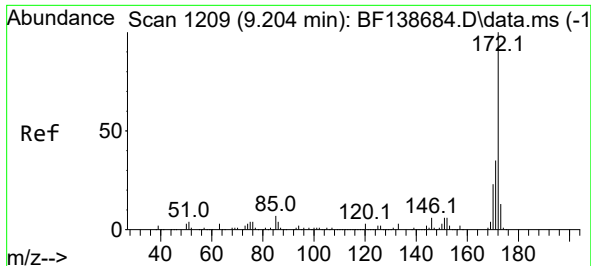
Ion Ratio Lower Upper

330 100

332 97.8 76.4 114.6

141 41.5 31.1 46.7





#45

2-Fluorobiphenyl

Concen: 64.748 ng

RT: 9.198 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138731.D

Acq: 01 Aug 2024 18:35

Instrument :

BNA_F

ClientSampleId :

CONC-3

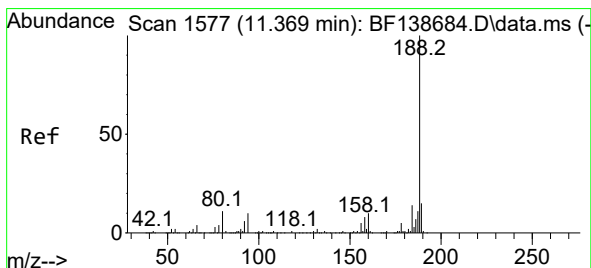
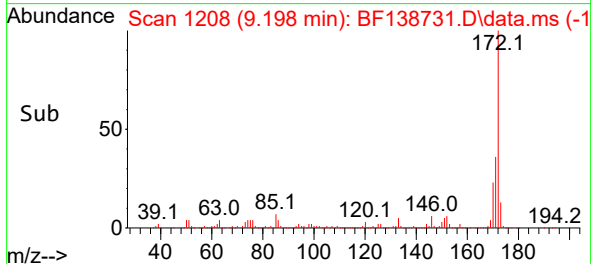
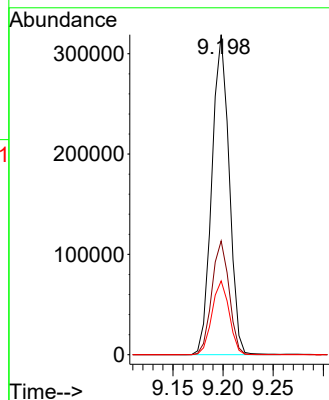
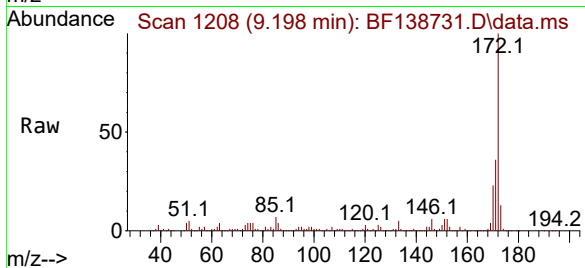
Tgt Ion:172 Resp: 382930

Ion Ratio Lower Upper

172 100

171 35.6 28.3 42.5

170 23.1 18.8 28.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1576

Delta R.T. -0.006 min

Lab File: BF138731.D

Acq: 01 Aug 2024 18:35

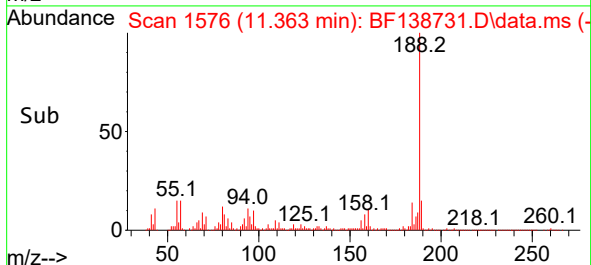
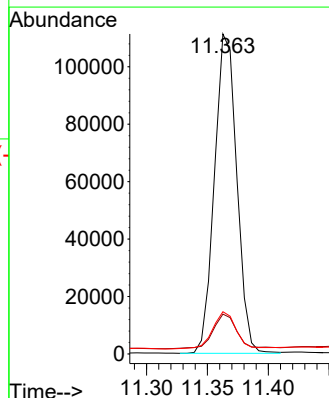
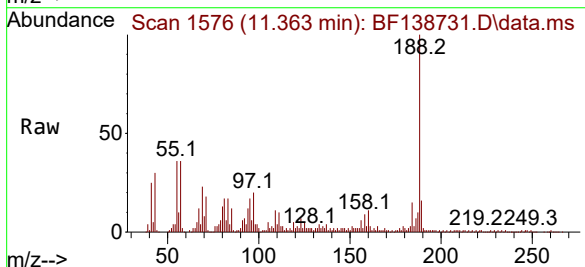
Tgt Ion:188 Resp: 141890

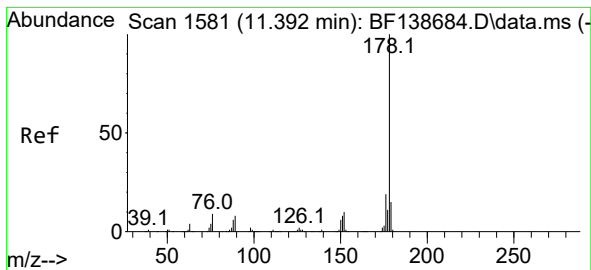
Ion Ratio Lower Upper

188 100

94 12.5 7.6 11.4#

80 13.2 8.6 12.8#





#71

Phenanthrene

Concen: 4.433 ng

RT: 11.386 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138731.D

Acq: 01 Aug 2024 18:35

Instrument :

BNA_F

ClientSampleId :

CONC-3

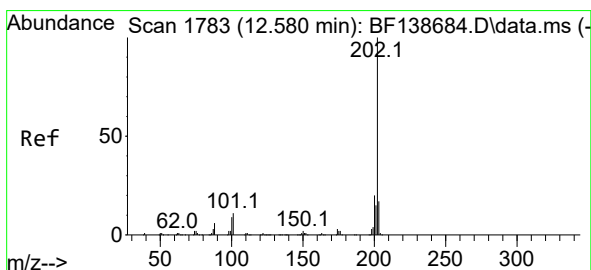
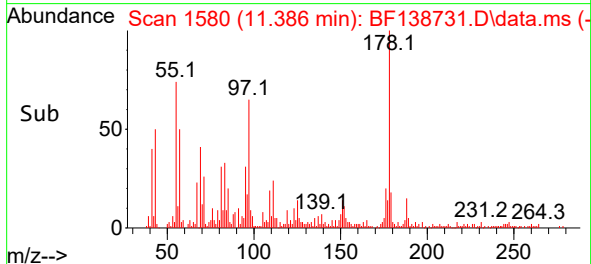
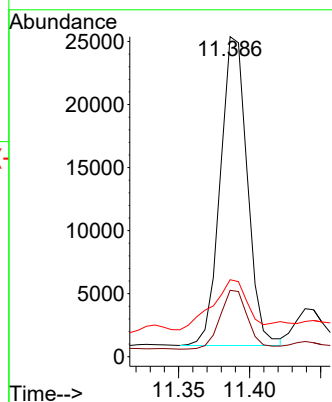
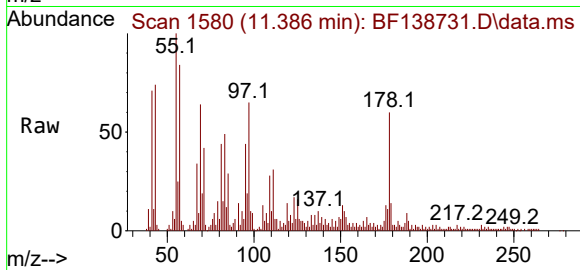
Tgt Ion:178 Resp: 32391

Ion Ratio Lower Upper

178 100

176 20.8 15.4 23.0

179 24.0 12.2 18.2#



#75

Fluoranthene

Concen: 7.431 ng

RT: 12.592 min Scan# 1785

Delta R.T. 0.012 min

Lab File: BF138731.D

Acq: 01 Aug 2024 18:35

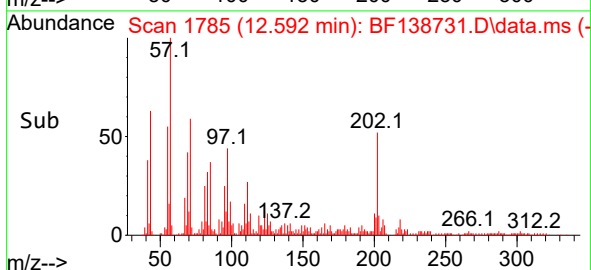
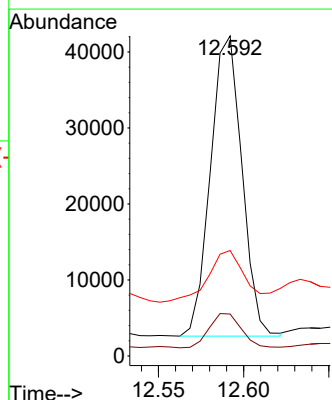
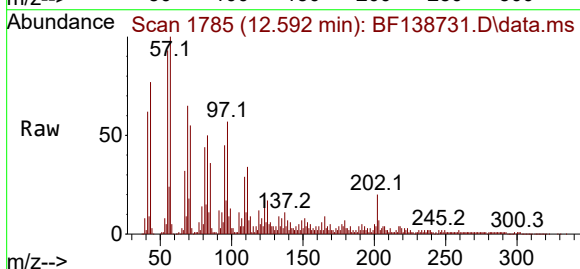
Tgt Ion:202 Resp: 50687

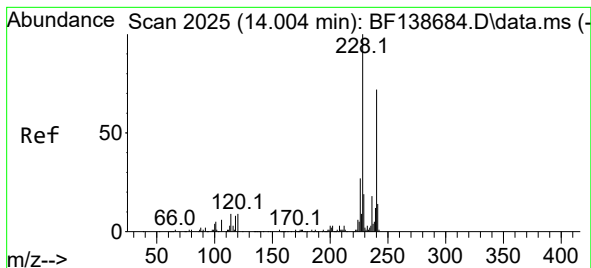
Ion Ratio Lower Upper

202 100

101 13.1 0.0 31.2

203 33.0 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2025

Delta R.T. 0.035 min

Lab File: BF138731.D

Acq: 01 Aug 2024 18:35

Instrument :

BNA_F

ClientSampleId :

CONC-3

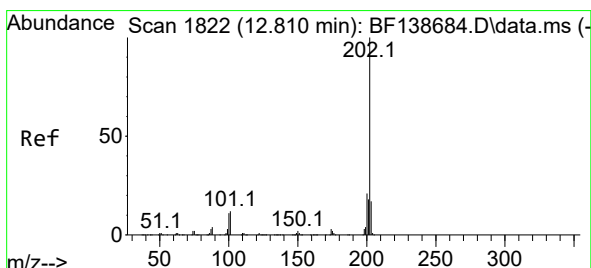
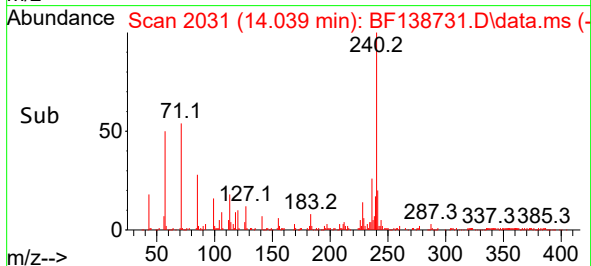
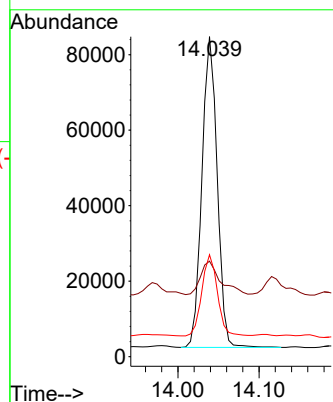
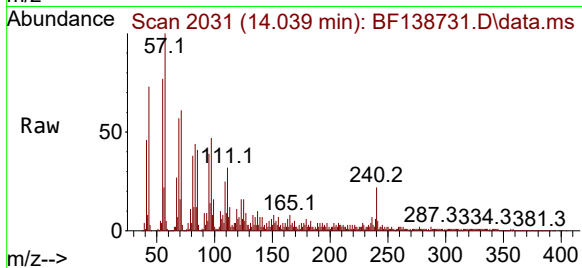
Tgt Ion:240 Resp: 107334

Ion Ratio Lower Upper

240 100

120 29.8 10.2 15.4#

236 31.8 19.8 29.8#



#78

Pyrene

Concen: 5.055 ng

RT: 12.821 min Scan# 1824

Delta R.T. 0.012 min

Lab File: BF138731.D

Acq: 01 Aug 2024 18:35

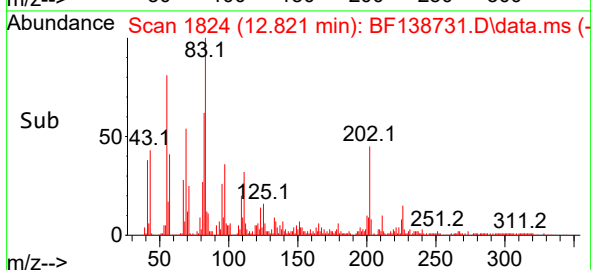
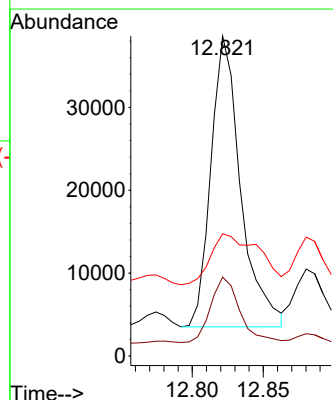
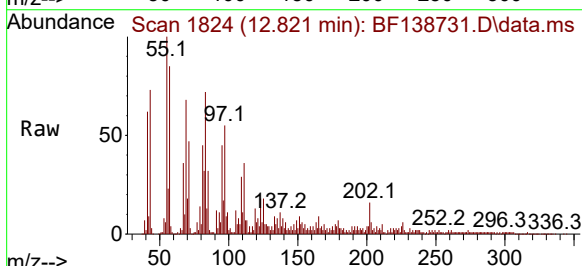
Tgt Ion:202 Resp: 51085

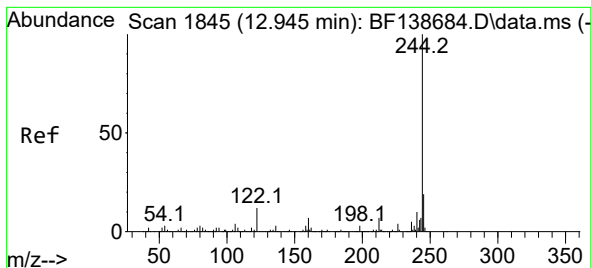
Ion Ratio Lower Upper

202 100

200 24.7 16.8 25.2

203 38.2 13.8 20.6#





#79

Terphenyl-d14

Concen: 58.648 ng

RT: 12.968 min Scan# 1

Delta R.T. 0.023 min

Lab File: BF138731.D

Acq: 01 Aug 2024 18:35

Instrument :

BNA_F

ClientSampleId :

CONC-3

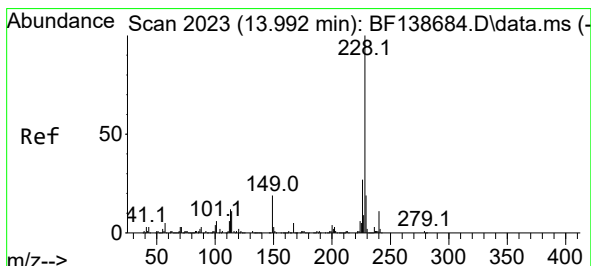
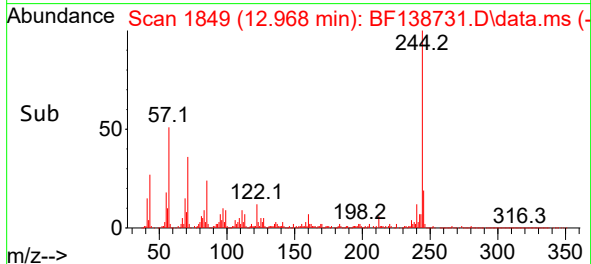
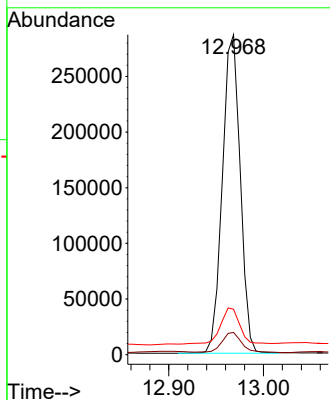
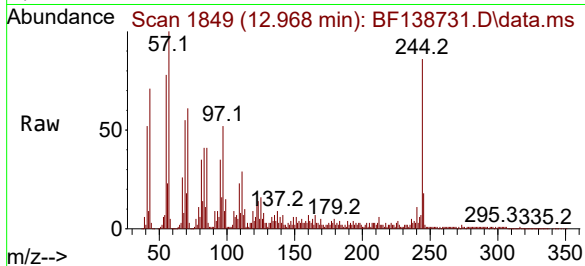
Tgt Ion:244 Resp: 375982

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

122 14.2 9.6 14.4



#81

Benzo(a)anthracene

Concen: 8.748 ng

RT: 14.063 min Scan# 2035

Delta R.T. 0.070 min

Lab File: BF138731.D

Acq: 01 Aug 2024 18:35

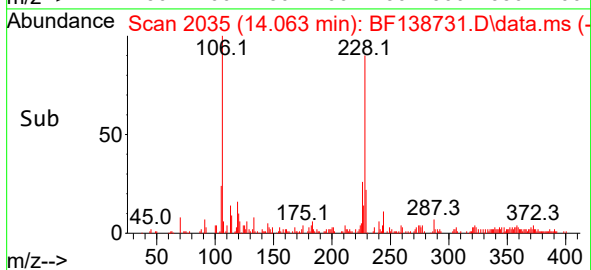
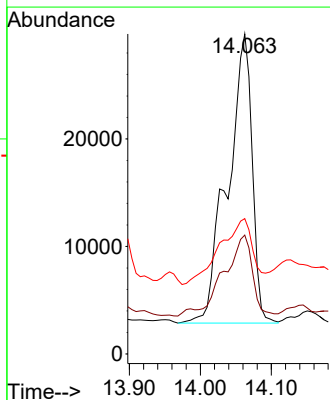
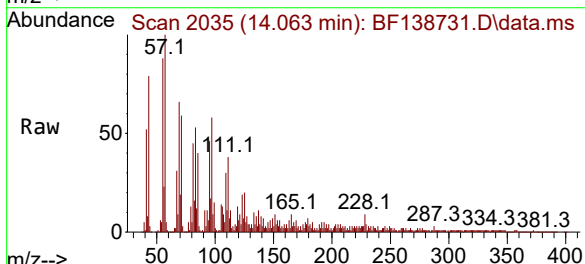
Tgt Ion:228 Resp: 64658

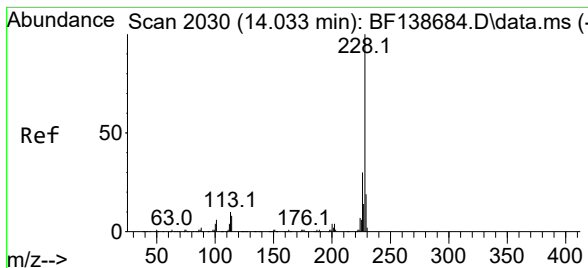
Ion Ratio Lower Upper

228 100

226 37.2 22.1 33.1#

229 42.3 15.4 23.0#





#83

Chrysene

Concen: 9.696 ng

RT: 14.063 min Scan# 2035

Delta R.T. 0.029 min

Lab File: BF138731.D

Acq: 01 Aug 2024 18:35

Instrument :

BNA_F

ClientSampleId :

CONC-3

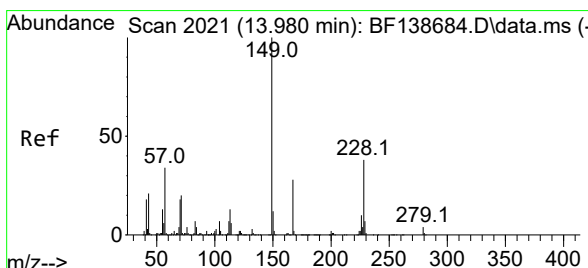
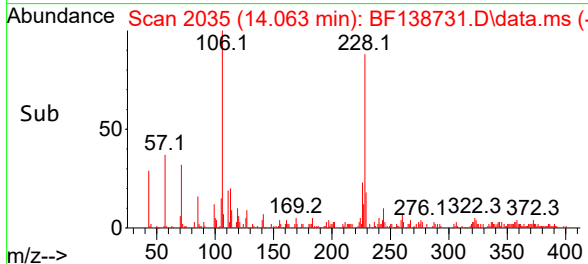
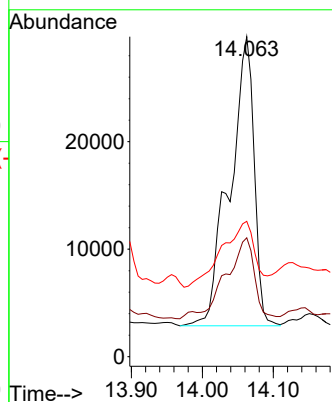
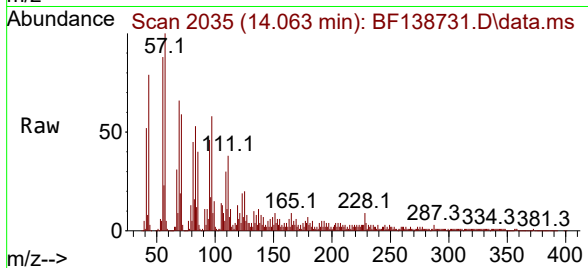
Tgt Ion:228 Resp: 64658

Ion Ratio Lower Upper

228 100

226 37.2 23.7 35.5#

229 42.3 15.0 22.6#



#84

Bis(2-ethylhexyl)phthalate

Concen: 18.727 ng

RT: 14.010 min Scan# 2026

Delta R.T. 0.029 min

Lab File: BF138731.D

Acq: 01 Aug 2024 18:35

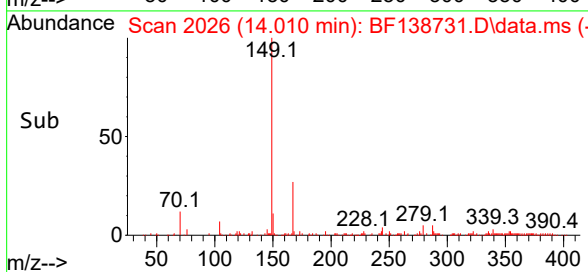
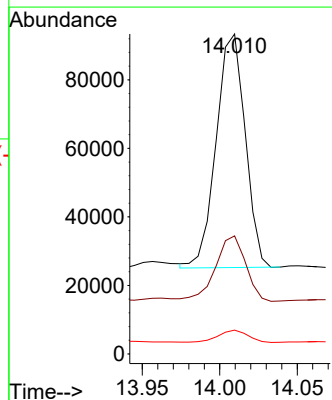
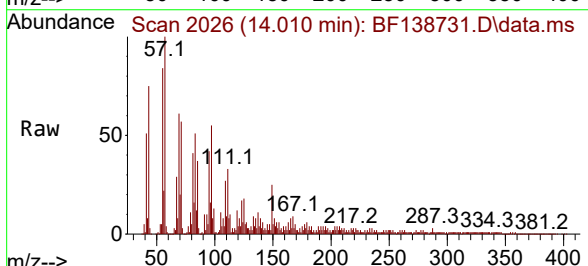
Tgt Ion:149 Resp: 88745

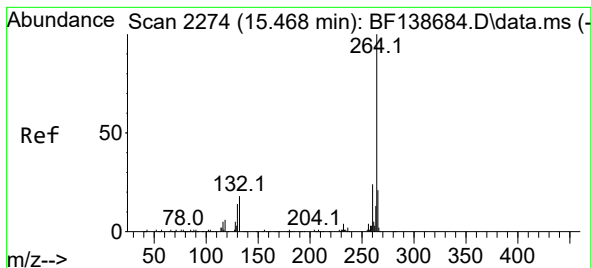
Ion Ratio Lower Upper

149 100

167 36.9 22.2 33.4#

279 7.4 3.4 5.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 21

Delta R.T. 0.053 min

Lab File: BF138731.D

Acq: 01 Aug 2024 18:35

Instrument :

BNA_F

ClientSampleId :

CONC-3

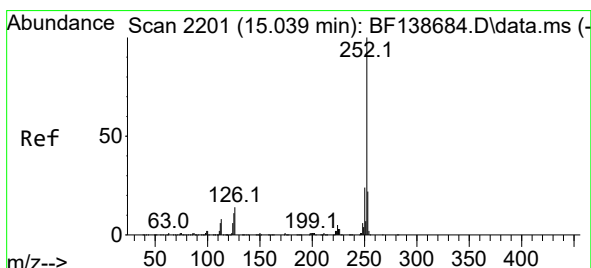
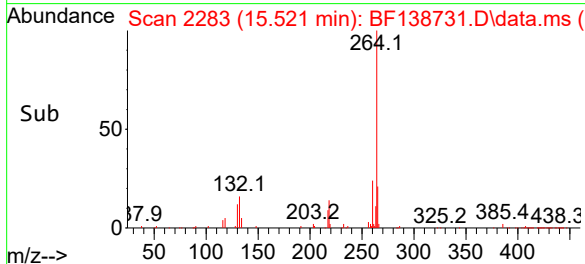
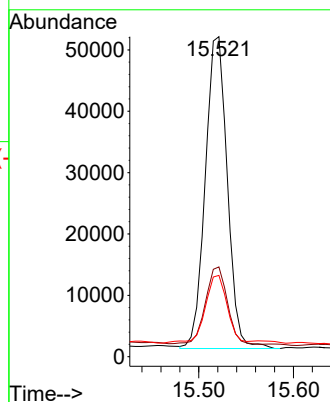
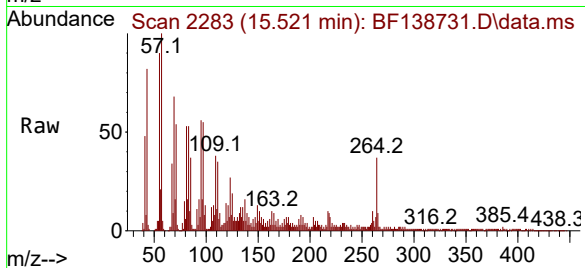
Tgt Ion:264 Resp: 81991

Ion Ratio Lower Upper

264 100

260 28.1 19.0 28.6

265 25.4 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 4.810 ng

RT: 15.086 min Scan# 2209

Delta R.T. 0.047 min

Lab File: BF138731.D

Acq: 01 Aug 2024 18:35

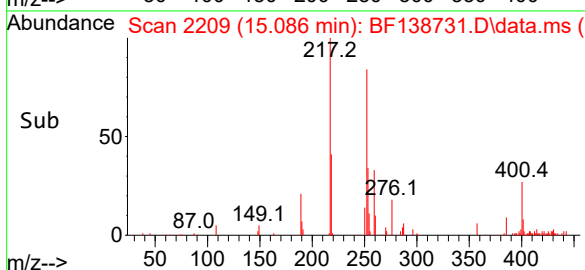
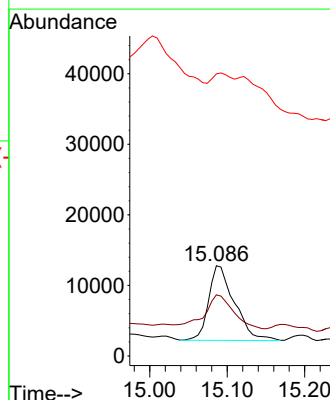
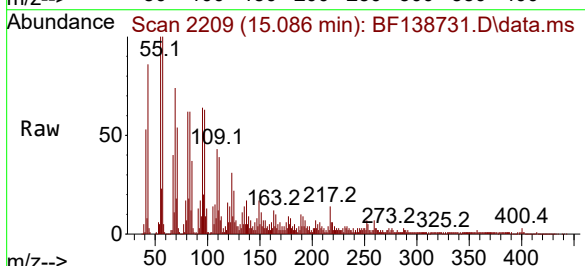
Tgt Ion:252 Resp: 24445

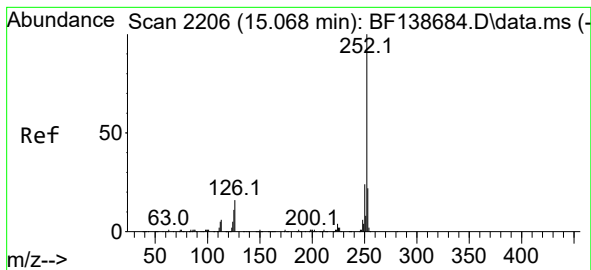
Ion Ratio Lower Upper

252 100

253 67.6 17.5 26.3#

125 312.3 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 5.521 ng

RT: 15.086 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF138731.D

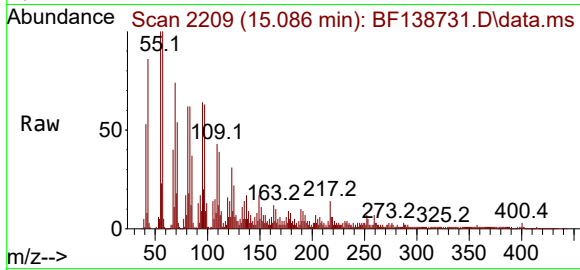
Acq: 01 Aug 2024 18:35

Instrument :

BNA_F

ClientSampleId :

CONC-3



Tgt Ion:252 Resp: 24294

Ion Ratio Lower Upper

252 100

253 67.6 17.4 26.0#

125 312.3 8.6 13.0#

