

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071124\
 Data File : BF138538.D
 Acq On : 11 Jul 2024 22:54
 Operator : CG\JU
 Sample : P3184-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP(00187-00189-00186)

Quant Time: Jul 12 01:15:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

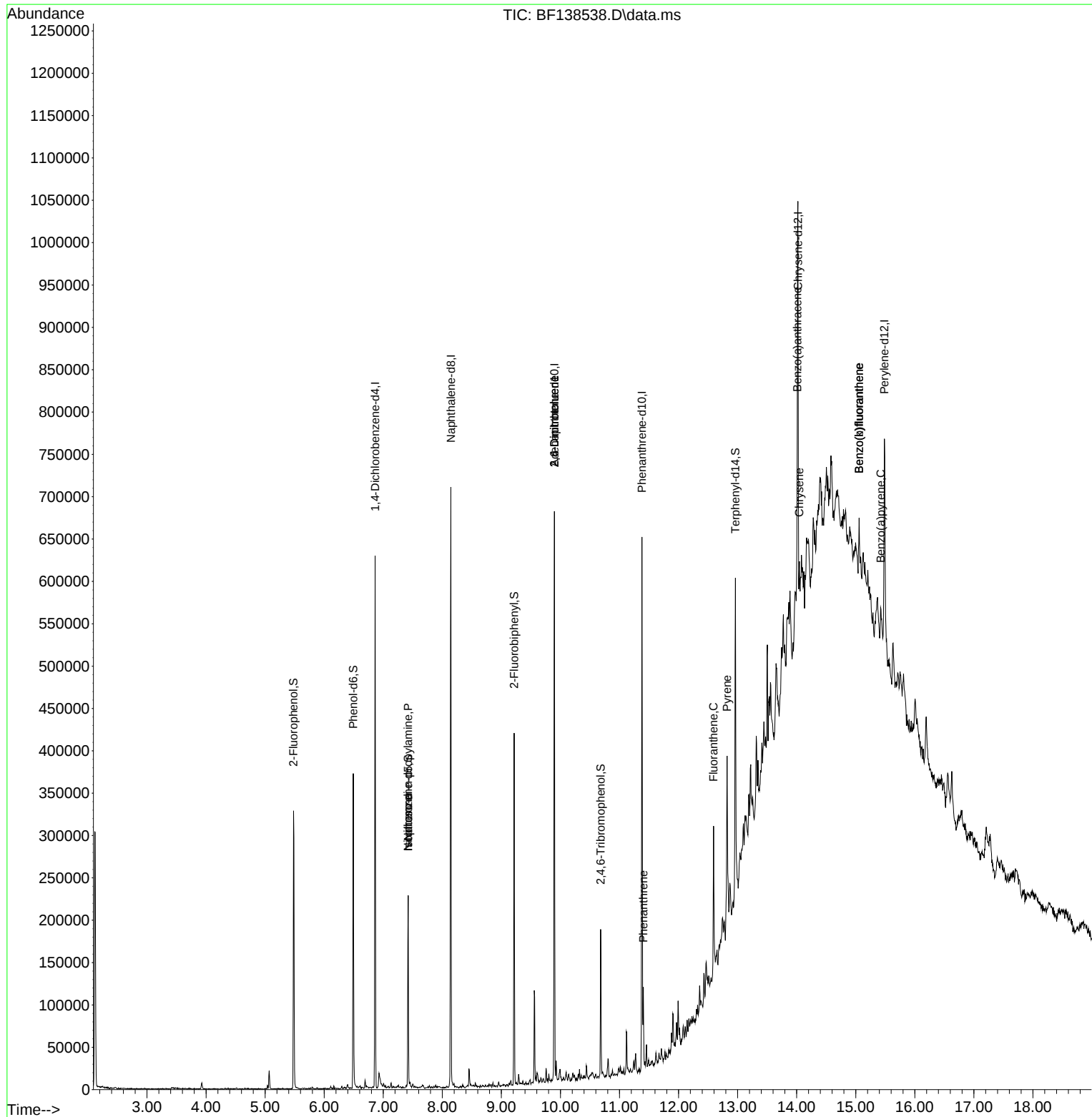
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	74534	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	269403	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	122450	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	204408	20.000	ng	0.00
76) Chrysene-d12	14.021	240	157919	20.000	ng	0.00
86) Perylene-d12	15.486	264	116759	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	79983	16.995	ng	-0.01
7) Phenol-d6	6.492	99	98931	15.802	ng	-0.01
23) Nitrobenzene-d5	7.422	82	60914	11.101	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	15784	13.792	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	102016	13.021	ng	-0.01
79) Terphenyl-d14	12.963	244	106136	10.949	ng	-0.01
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.422	70	8114	2.097	ng	# 81
25) Isophorone	7.422	82	60854	6.458	ng	# 67
51) 2,6-Dinitrotoluene	9.898	165	16236	8.906	ng	# 25
57) 2,4-Dinitrotoluene	9.898	165	16236	6.883	ng	# 19
71) Phenanthrene	11.404	178	27785	2.691	ng	98
75) Fluoranthene	12.592	202	60605	5.751	ng	99
78) Pyrene	12.822	202	77922	4.861	ng	96
81) Benzo(a)anthracene	14.010	228	24692	2.330	ng	# 88
83) Chrysene	14.045	228	28849	2.878	ng	# 94
88) Benzo(b)fluoranthene	15.057	252	28992	4.409	ng	# 48
89) Benzo(k)fluoranthene	15.057	252	28992	4.521	ng	# 50
90) Benzo(a)pyrene	15.421	252	15560	2.694	ng	# 52

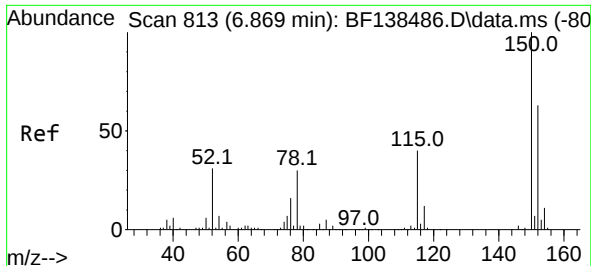
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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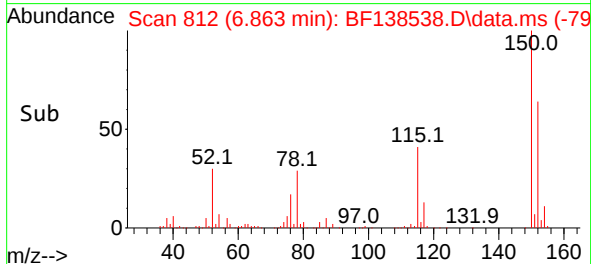
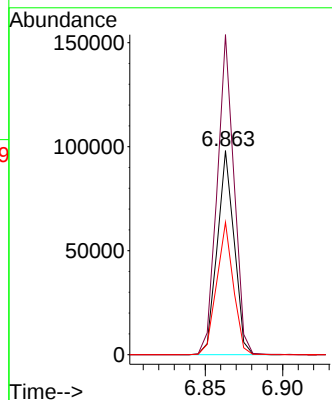
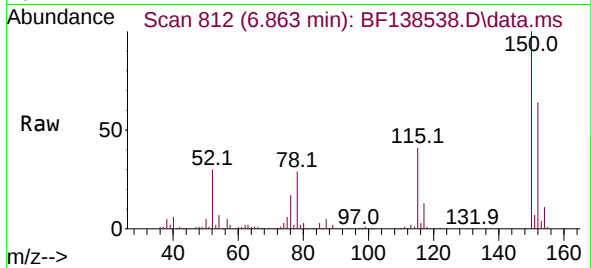




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF138538.D
Acq: 11 Jul 2024 22:54

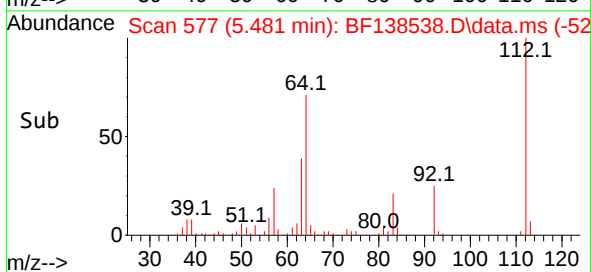
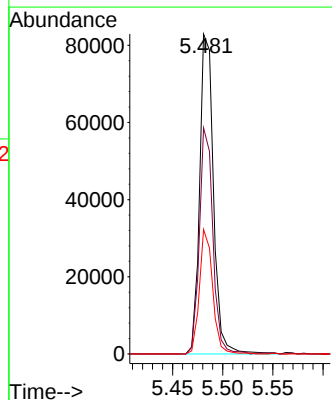
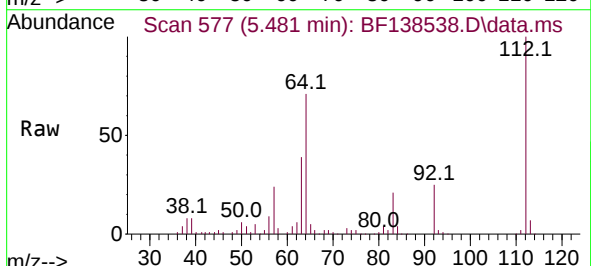
Instrument :
BNA_F
ClientSampleId :
COMP(00187-00189-00186)

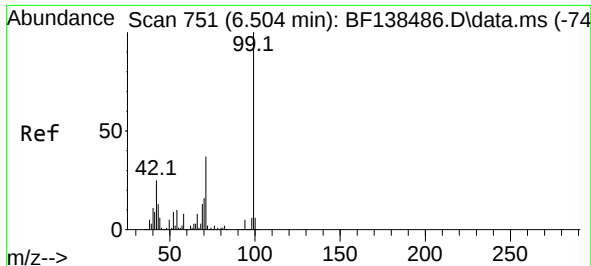
Tgt Ion:152 Resp: 74534
Ion Ratio Lower Upper
152 100
150 156.8 126.2 189.4
115 64.8 50.3 75.5



#5
2-Fluorophenol
Concen: 16.995 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.012 min
Lab File: BF138538.D
Acq: 11 Jul 2024 22:54

Tgt Ion:112 Resp: 79983
Ion Ratio Lower Upper
112 100
64 70.7 55.1 82.7
63 38.9 29.0 43.6

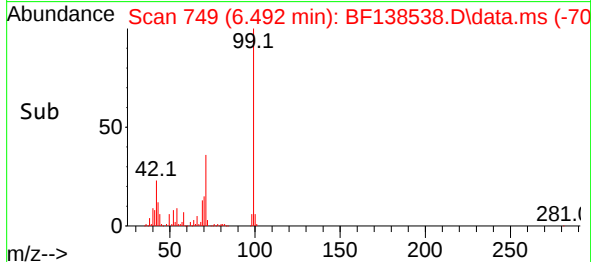
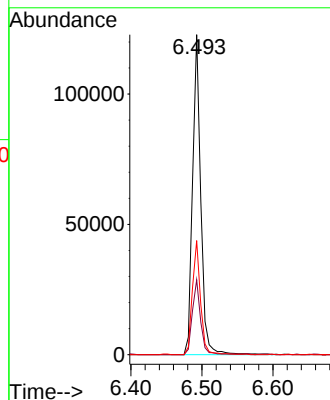
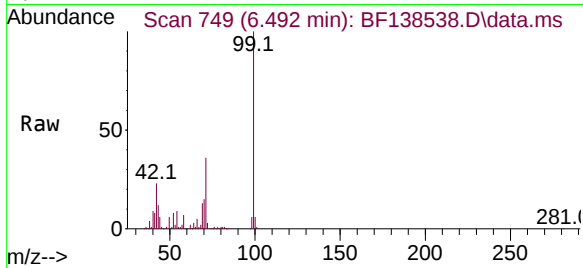




#7
Phenol-d6
Concen: 15.802 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF138538.D
Acq: 11 Jul 2024 22:54

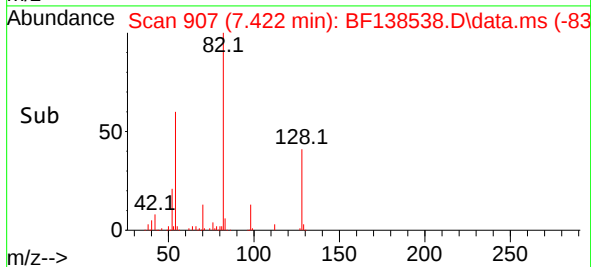
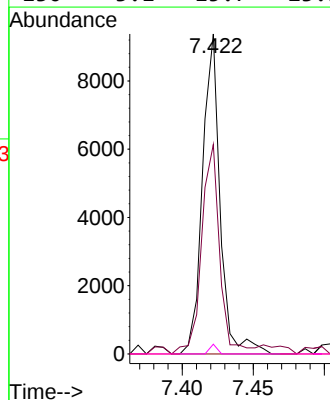
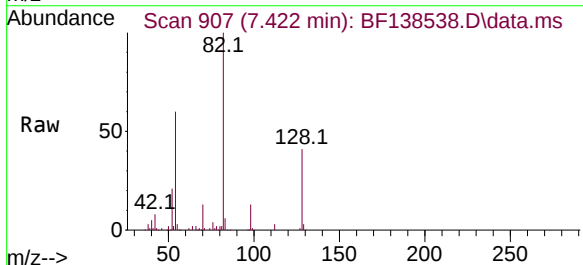
Instrument :
BNA_F
ClientSampleId :
COMP(00187-00189-00186)

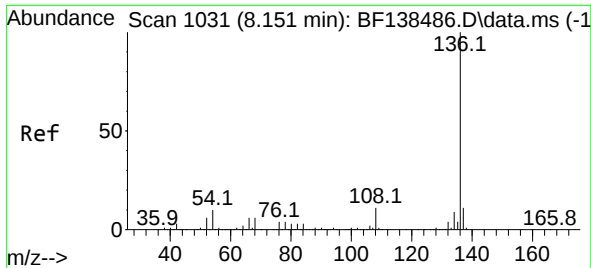
Tgt Ion: 99 Resp: 98931
Ion Ratio Lower Upper
99 100
42 23.4 19.7 29.5
71 35.7 29.9 44.9



#19
n-Nitroso-di-n-propylamine
Concen: 2.097 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF138538.D
Acq: 11 Jul 2024 22:54

Tgt Ion: 70 Resp: 8114
Ion Ratio Lower Upper
70 100
42 65.5 62.4 93.6
101 0.0 7.2 10.8#
130 3.1 15.7 23.5#

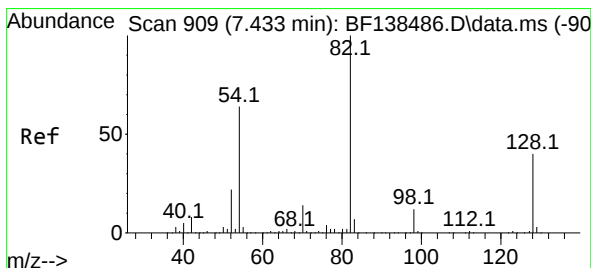
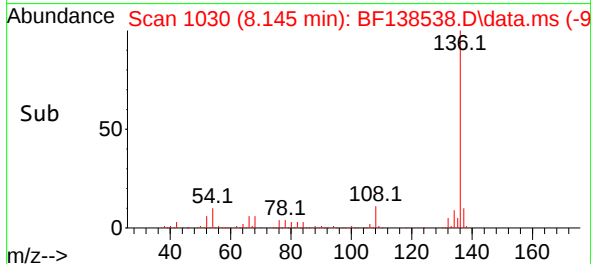
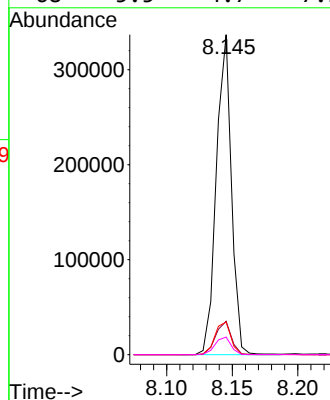
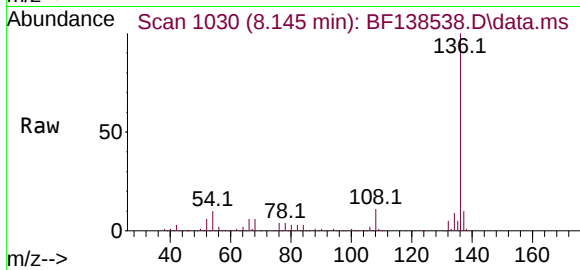




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF138538.D
Acq: 11 Jul 2024 22:54

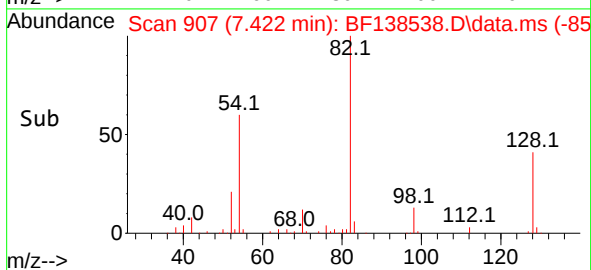
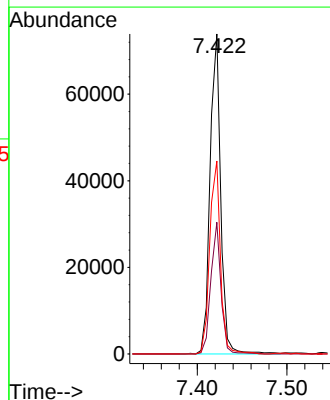
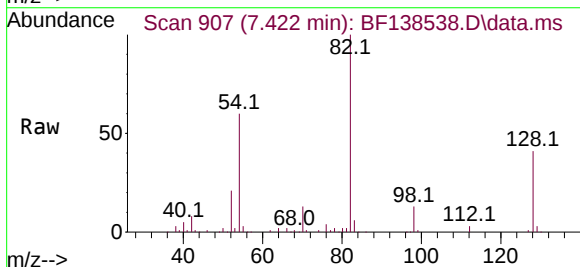
Instrument :
BNA_F
ClientSampleId :
COMP(00187-00189-00186)

Tgt Ion:	136	Resp:	269403
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	10.2	8.1	12.1
68	5.5	4.7	7.1



#23
Nitrobenzene-d5
Concen: 11.101 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF138538.D
Acq: 11 Jul 2024 22:54

Tgt Ion:	82	Resp:	60914
Ion	Ratio	Lower	Upper
82	100		
128	41.1	32.3	48.5
54	60.3	51.4	77.0

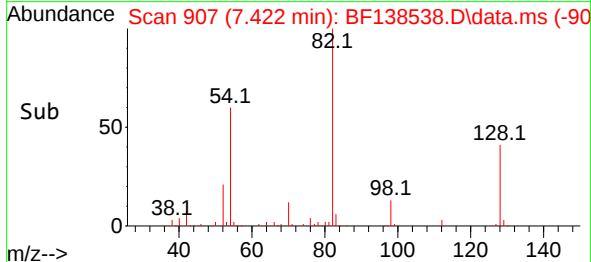
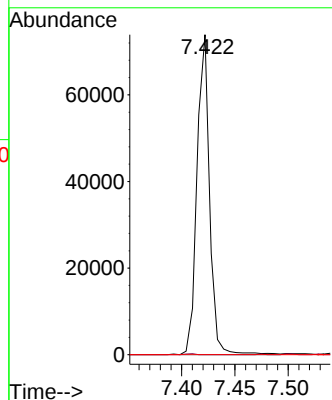
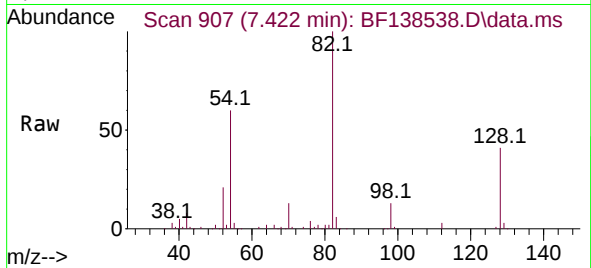




#25
Isophorone
Concen: 6.458 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF138538.D
Acq: 11 Jul 2024 22:54

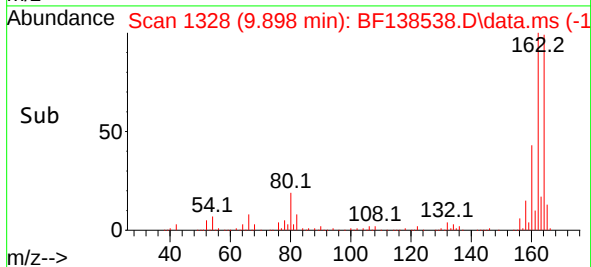
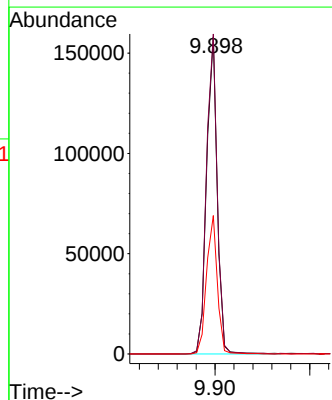
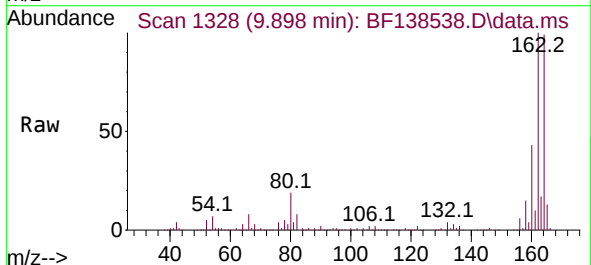
Instrument :
BNA_F
ClientSampleId :
COMP(00187-00189-00186)

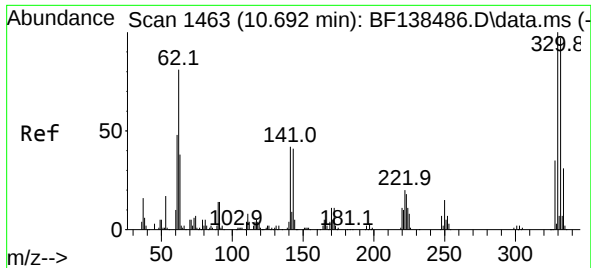
Tgt Ion: 82 Resp: 60854
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF138538.D
Acq: 11 Jul 2024 22:54

Tgt Ion: 164 Resp: 122450
Ion Ratio Lower Upper
164 100
162 101.0 79.0 118.6
160 43.7 34.4 51.6

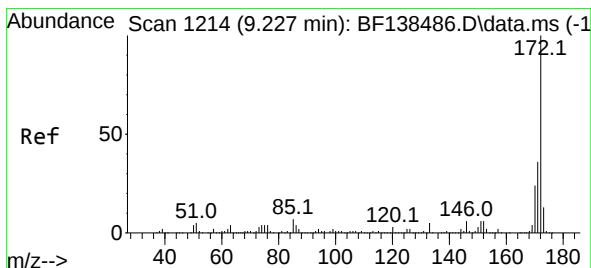
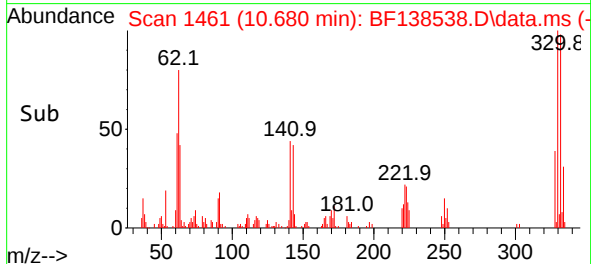
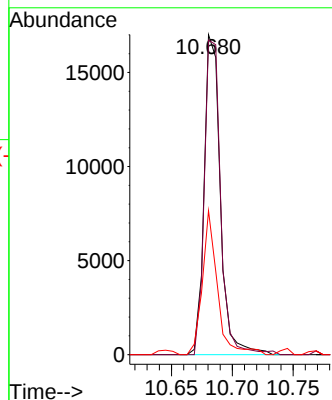
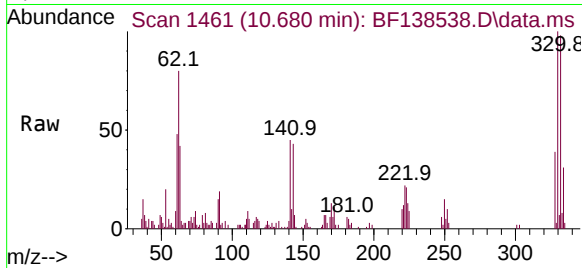




#42
2,4,6-Tribromophenol
Concen: 13.792 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF138538.D
Acq: 11 Jul 2024 22:54

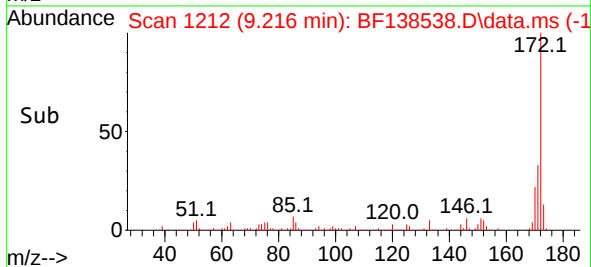
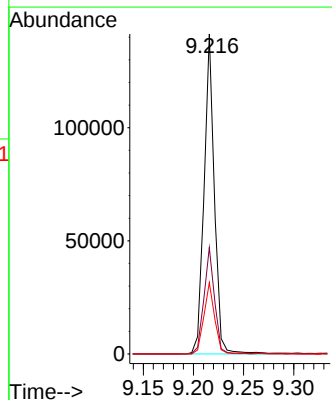
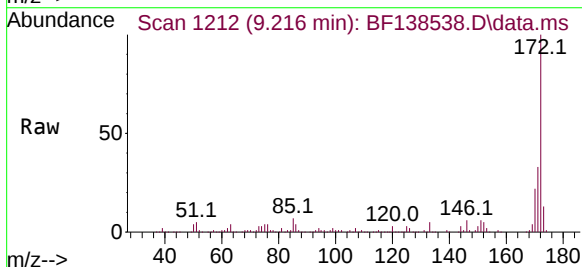
Instrument :
BNA_F
ClientSampleId :
COMP(00187-00189-00186)

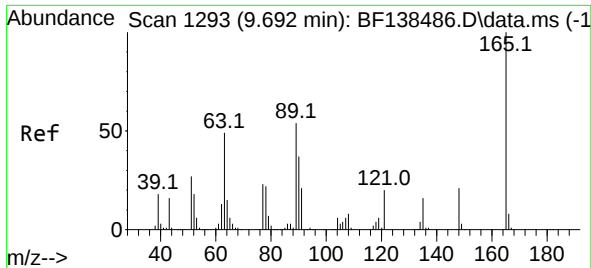
Tgt Ion: 330 Resp: 15784
Ion Ratio Lower Upper
330 100
332 99.0 76.8 115.2
141 41.9 29.4 44.2



#45
2-Fluorobiphenyl
Concen: 13.021 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF138538.D
Acq: 11 Jul 2024 22:54

Tgt Ion: 172 Resp: 102016
Ion Ratio Lower Upper
172 100
171 33.3 28.9 43.3
170 22.3 18.9 28.3

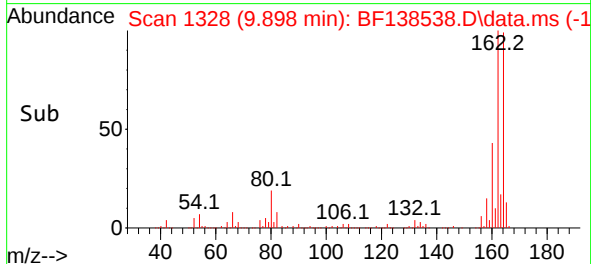
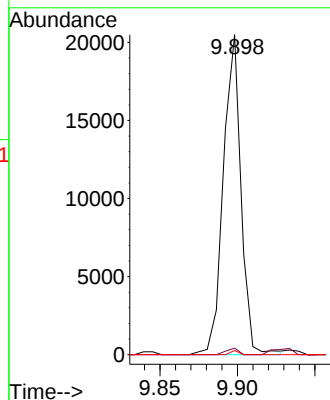
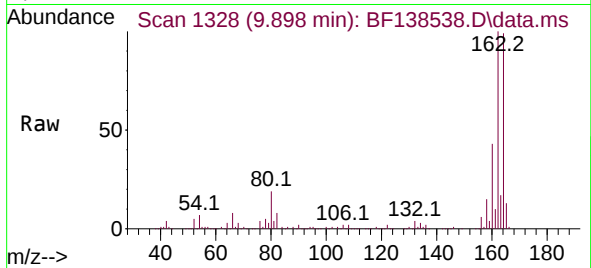




#51
2,6-Dinitrotoluene
Concen: 8.906 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF138538.D
Acq: 11 Jul 2024 22:54

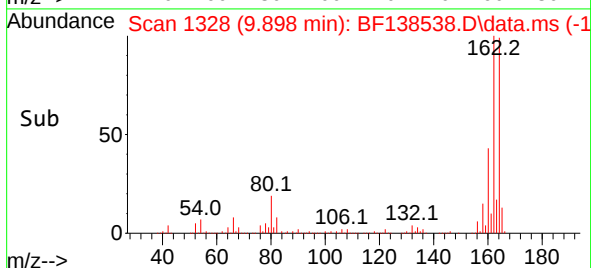
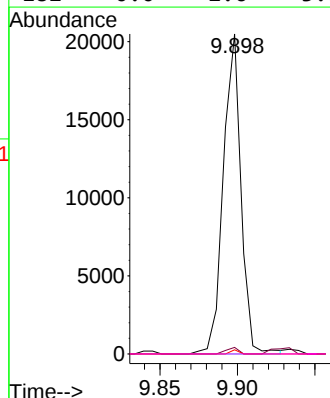
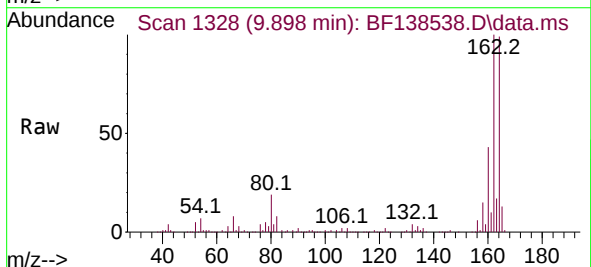
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ClientSampleId :
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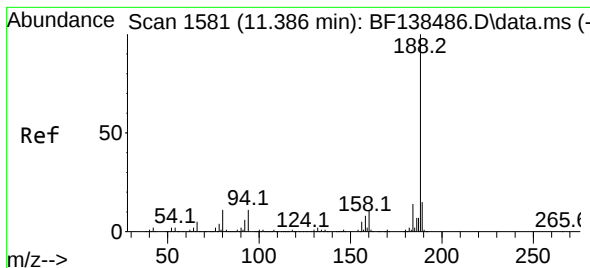
Tgt Ion:165 Resp: 16236
Ion Ratio Lower Upper
165 100
63 2.1 48.1 72.1#
89 1.3 43.0 64.6#



#57
2,4-Dinitrotoluene
Concen: 6.883 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.194 min
Lab File: BF138538.D
Acq: 11 Jul 2024 22:54

Tgt Ion:165 Resp: 16236
Ion Ratio Lower Upper
165 100
63 2.1 44.6 66.8#
89 1.3 63.4 95.2#
182 0.0 2.6 3.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138538.D

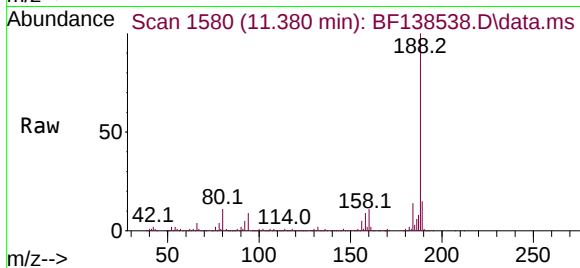
Acq: 11 Jul 2024 22:54

Instrument :

BNA_F

ClientSampleId :

COMP(00187-00189-00186)



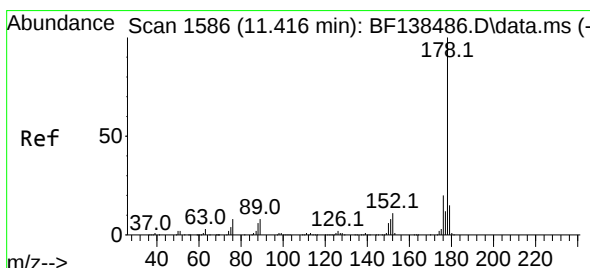
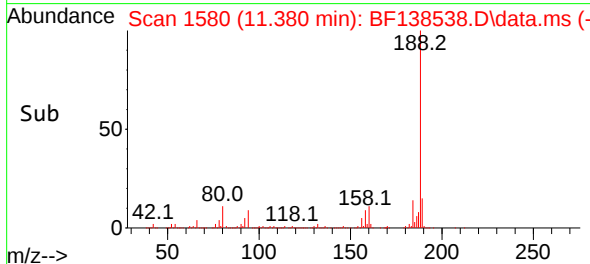
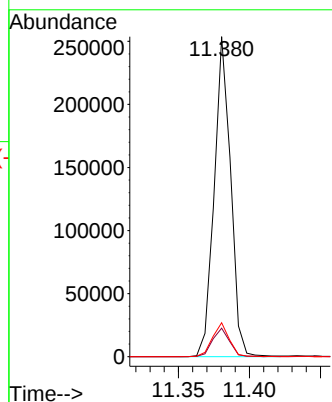
Tgt Ion:188 Resp: 204408

Ion Ratio Lower Upper

188 100

94 8.9 8.7 13.1

80 10.6 9.0 13.4



#71

Phenanthrene

Concen: 2.691 ng

RT: 11.404 min Scan# 1584

Delta R.T. -0.012 min

Lab File: BF138538.D

Acq: 11 Jul 2024 22:54

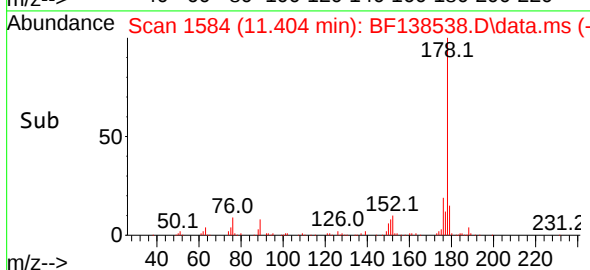
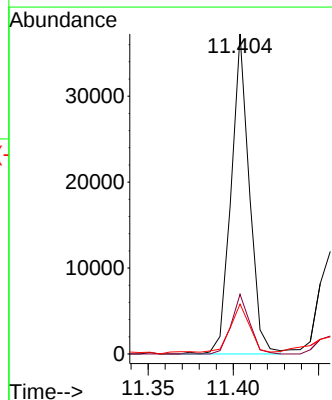
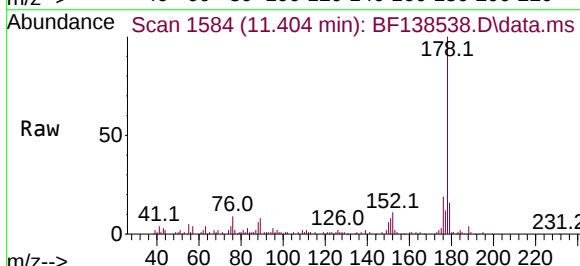
Tgt Ion:178 Resp: 27785

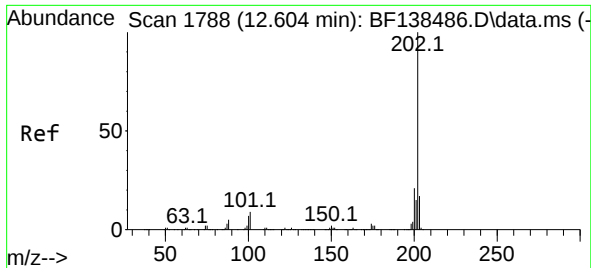
Ion Ratio Lower Upper

178 100

176 18.7 15.7 23.5

179 15.6 12.2 18.2

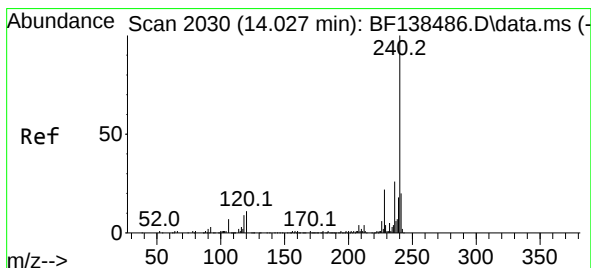
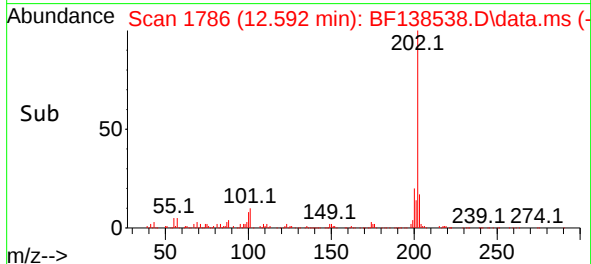
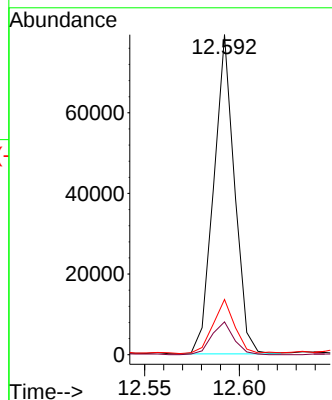
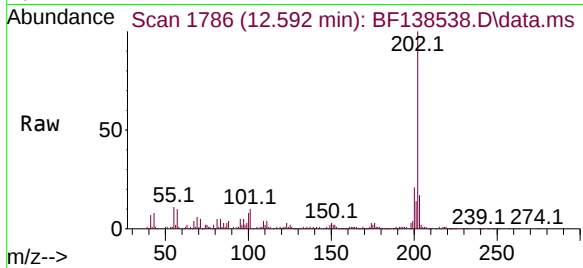




#75
Fluoranthene
Concen: 5.751 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138538.D
Acq: 11 Jul 2024 22:54

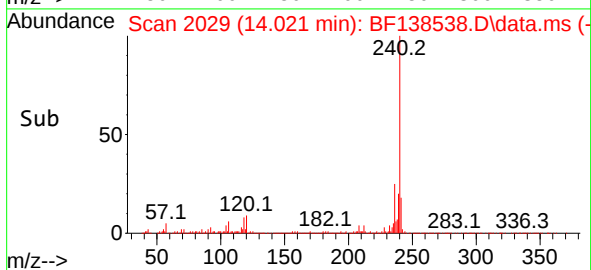
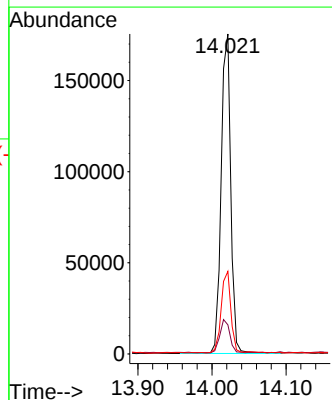
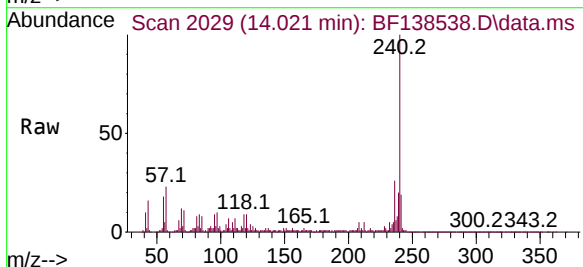
Instrument :
BNA_F
ClientSampleId :
COMP(00187-00189-00186)

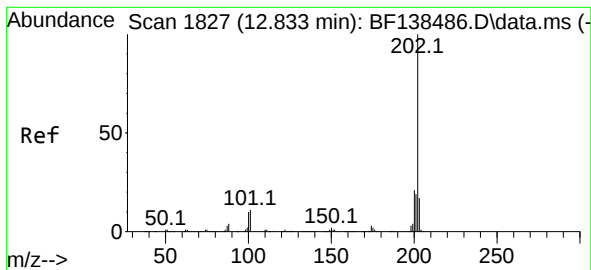
Tgt Ion:202 Resp: 60605
Ion Ratio Lower Upper
202 100
101 10.2 0.0 29.2
203 17.3 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF138538.D
Acq: 11 Jul 2024 22:54

Tgt Ion:240 Resp: 157919
Ion Ratio Lower Upper
240 100
120 9.1 8.6 12.8
236 25.8 21.0 31.6





#78

Pyrene

Concen: 4.861 ng

RT: 12.822 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF138538.D

Acq: 11 Jul 2024 22:54

Instrument :

BNA_F

ClientSampleId :

COMP(00187-00189-00186)

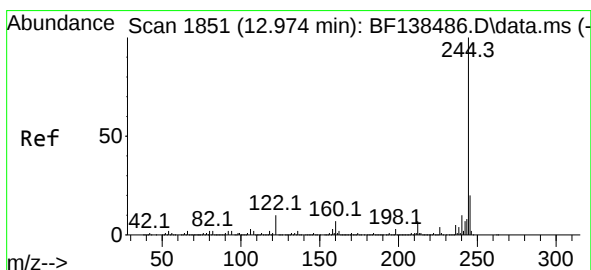
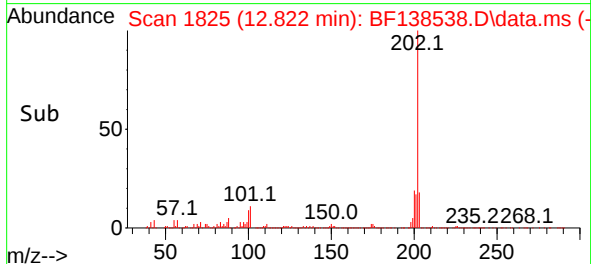
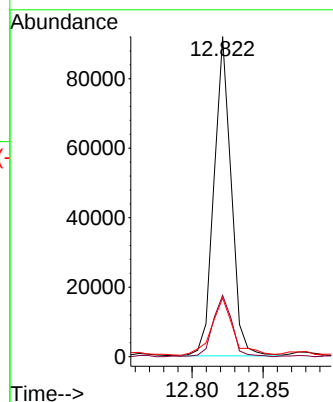
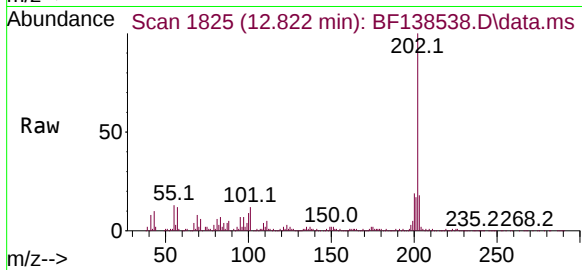
Tgt Ion:202 Resp: 77922

Ion Ratio Lower Upper

202 100

200 19.1 17.0 25.6

203 18.4 13.7 20.5



#79

Terphenyl-d14

Concen: 10.949 ng

RT: 12.963 min Scan# 1849

Delta R.T. -0.012 min

Lab File: BF138538.D

Acq: 11 Jul 2024 22:54

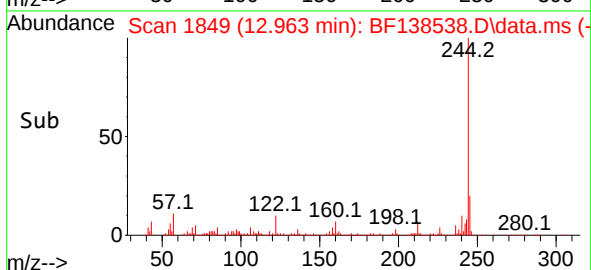
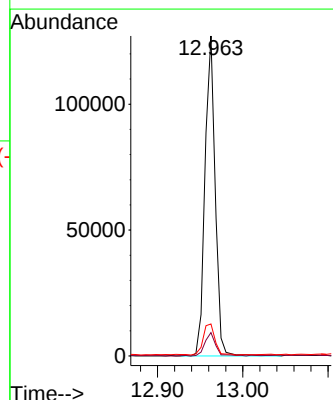
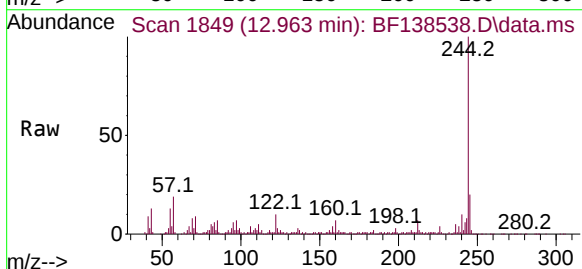
Tgt Ion:244 Resp: 106136

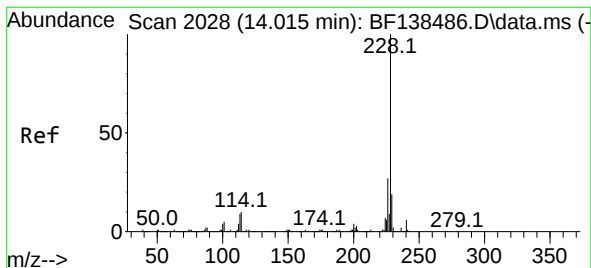
Ion Ratio Lower Upper

244 100

212 7.3 5.5 8.3

122 10.0 7.8 11.8





#81

Benzo(a)anthracene

Concen: 2.330 ng

RT: 14.010 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF138538.D

Acq: 11 Jul 2024 22:54

Instrument :

BNA_F

ClientSampleId :

COMP(00187-00189-00186)

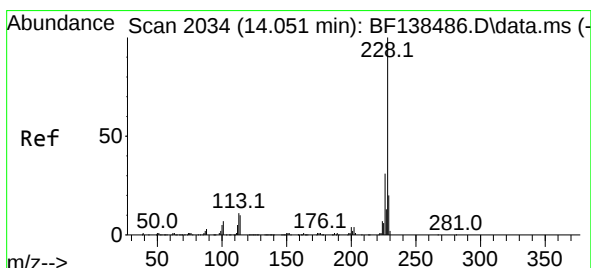
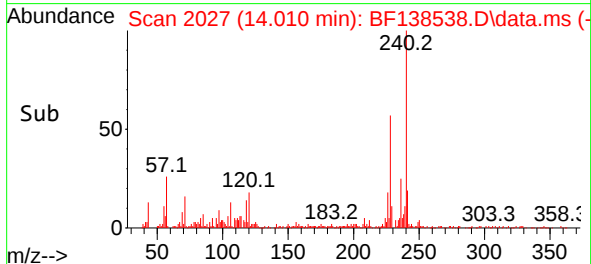
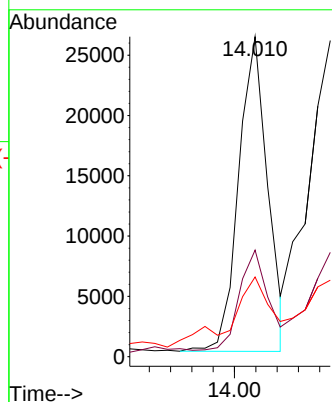
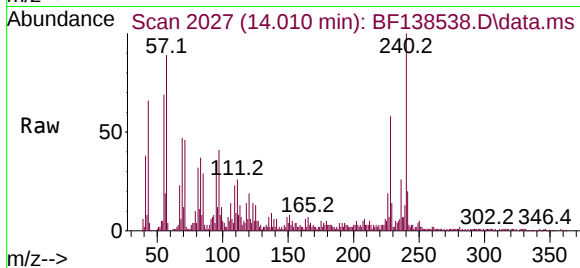
Tgt Ion:228 Resp: 24692

Ion Ratio Lower Upper

228 100

226 33.3 21.9 32.9#

229 24.9 15.5 23.3#



#83

Chrysene

Concen: 2.878 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF138538.D

Acq: 11 Jul 2024 22:54

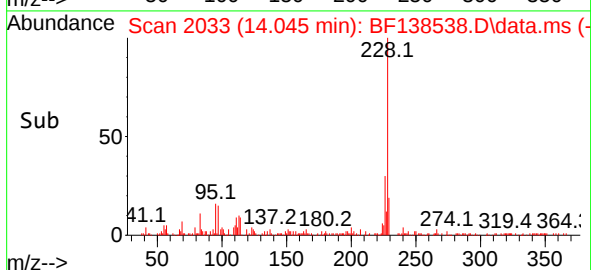
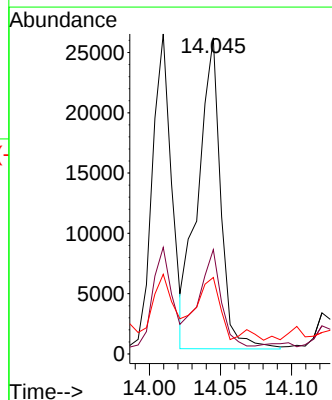
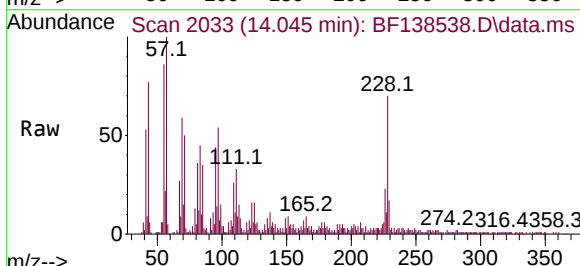
Tgt Ion:228 Resp: 28849

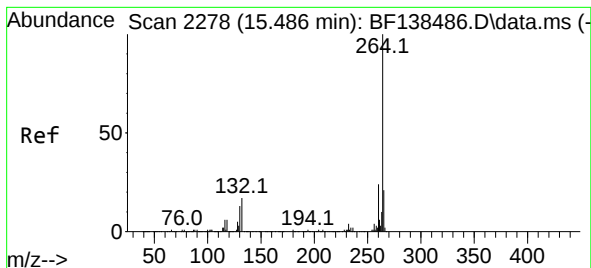
Ion Ratio Lower Upper

228 100

226 33.0 24.4 36.6

229 24.2 16.0 24.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138538.D

Acq: 11 Jul 2024 22:54

Instrument :

BNA_F

ClientSampleId :

COMP(00187-00189-00186)

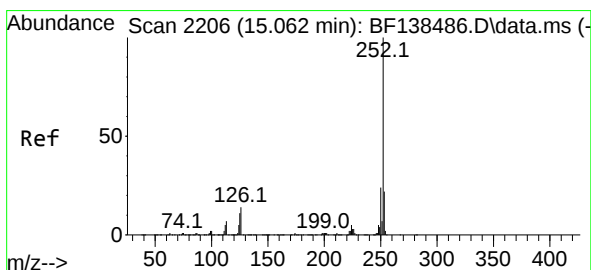
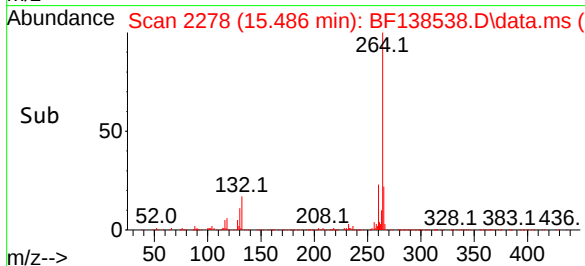
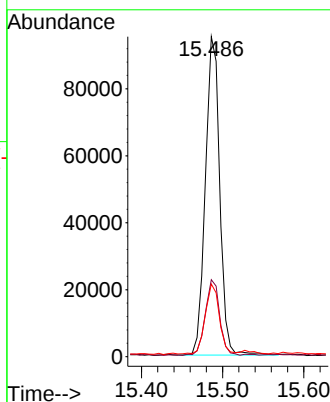
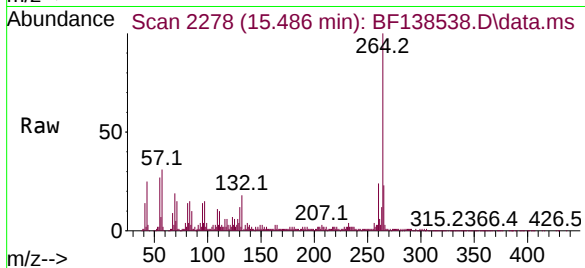
Tgt Ion:264 Resp: 116759

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.6

265 22.7 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 4.409 ng

RT: 15.057 min Scan# 2205

Delta R.T. -0.006 min

Lab File: BF138538.D

Acq: 11 Jul 2024 22:54

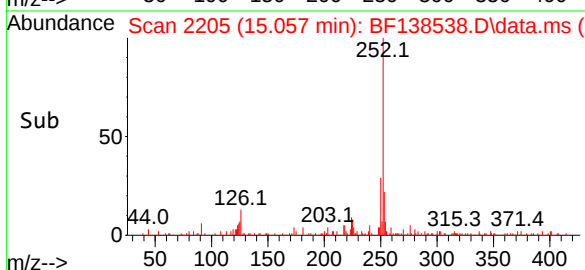
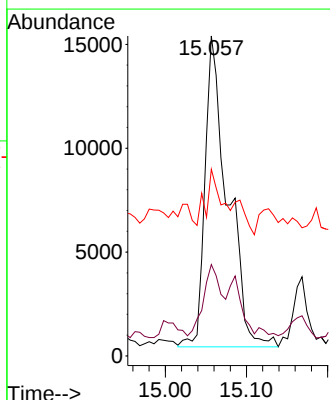
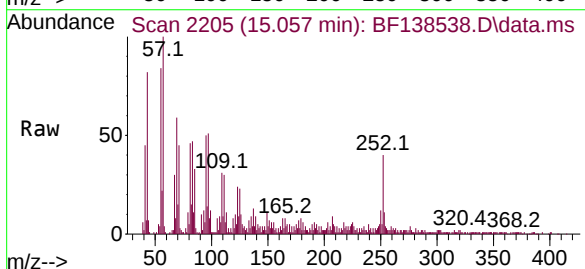
Tgt Ion:252 Resp: 28992

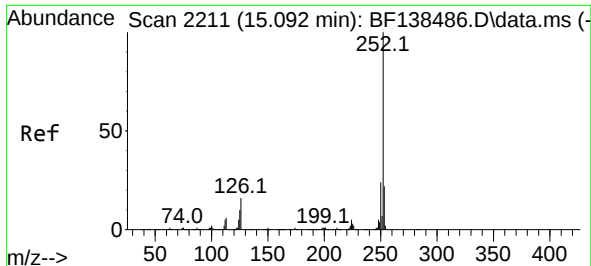
Ion Ratio Lower Upper

252 100

253 28.5 17.3 25.9#

125 58.4 8.6 13.0#

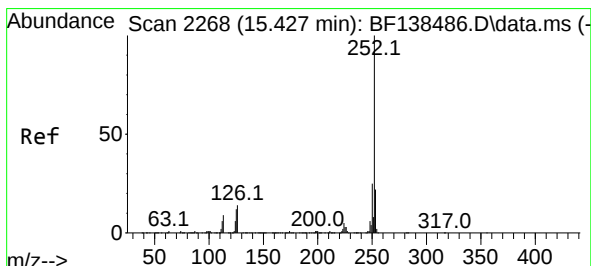
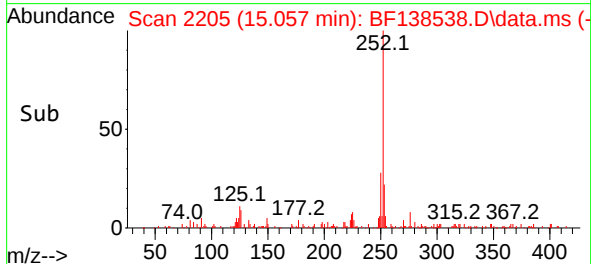
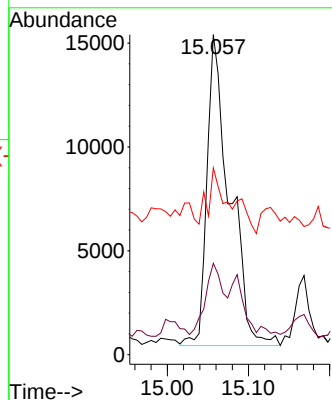
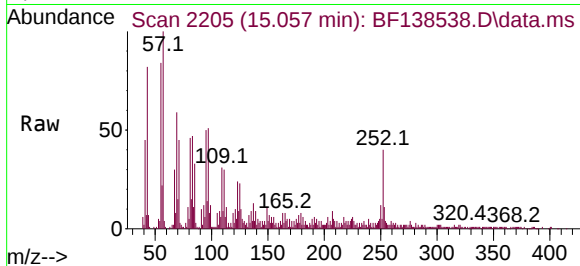




#89
Benzo(k)fluoranthene
Concen: 4.521 ng
RT: 15.057 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF138538.D
Acq: 11 Jul 2024 22:54

Instrument :
BNA_F
ClientSampleId :
COMP(00187-00189-00186)

Tgt Ion:252 Resp: 28992
Ion Ratio Lower Upper
252 100
253 28.5 17.7 26.5#
125 58.4 8.1 12.1#



#90
Benzo(a)pyrene
Concen: 2.694 ng
RT: 15.421 min Scan# 2267
Delta R.T. -0.006 min
Lab File: BF138538.D
Acq: 11 Jul 2024 22:54

Tgt Ion:252 Resp: 15560
Ion Ratio Lower Upper
252 100
253 26.2 17.4 26.0#
125 58.0 9.4 14.2#

