

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081424\
 Data File : BF138997.D
 Acq On : 14 Aug 2024 16:42
 Operator : RC/JU
 Sample : P3548-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200036

Quant Time: Aug 14 17:28:52 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)

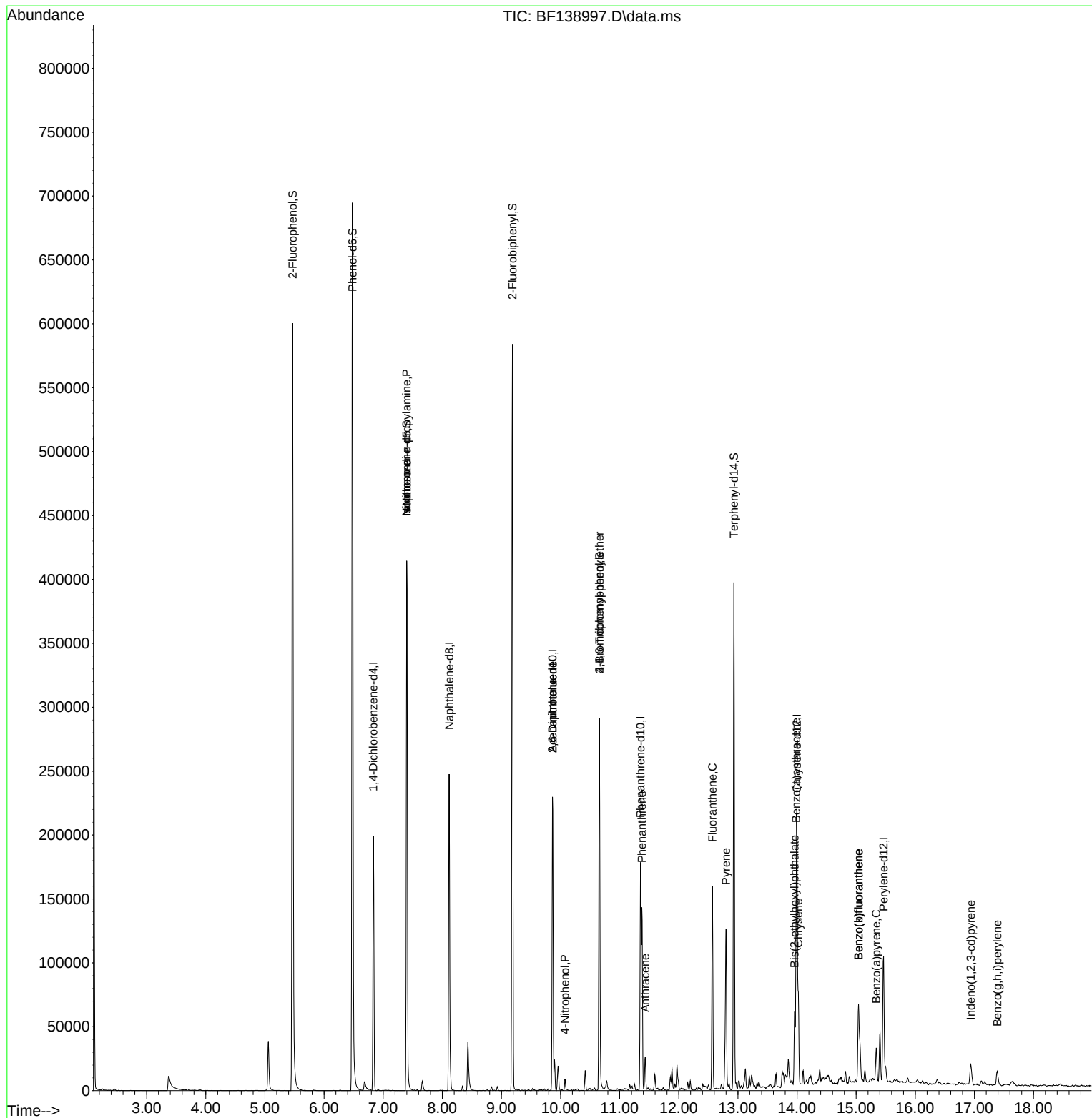
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	36638	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	143446	20.000	ng	#-0.01
39) Acenaphthene-d10	9.863	164	67062	20.000	ng	-0.02
64) Phenanthrene-d10	11.351	188	89927	20.000	ng	-0.02
76) Chrysene-d12	13.998	240	70837	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	56621	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	209473	88.256	ng	0.00
7) Phenol-d6	6.481	99	289361	90.805	ng	0.00
23) Nitrobenzene-d5	7.398	82	175679	59.877	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	40057	72.920	ng	-0.01
45) 2-Fluorobiphenyl	9.187	172	232413	52.071	ng	-0.02
79) Terphenyl-d14	12.933	244	176086	41.619	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.398	70	24490	12.724	ng	# 80
25) Isophorone	7.398	82	175678	35.066	ng	# 66
51) 2,6-Dinitrotoluene	9.863	165	8533	8.818	ng	# 19
56) 4-Nitrophenol	10.075	139	2339	3.888	ng	# 1
57) 2,4-Dinitrotoluene	9.863	165	8533	6.911	ng	# 16
67) 4-Bromophenyl-phenylether	10.657	248	2755	2.830	ng	# 1
71) Phenanthrene	11.375	178	74594	16.109	ng	99
72) Anthracene	11.433	178	14856	3.257	ng	97
75) Fluoranthene	12.569	202	88634	20.503	ng	98
78) Pyrene	12.798	202	71204	10.676	ng	98
81) Benzo(a)anthracene	13.986	228	44984	9.222	ng	95
83) Chrysene	14.022	228	34370	7.810	ng	97
84) Bis(2-ethylhexyl)phtha...	13.957	149	18804	6.013	ng	# 98
87) Indeno(1,2,3-cd)pyrene	16.939	276	11574	2.852	ng	# 89
88) Benzo(b)fluoranthene	15.039	252	51470	14.664	ng	98
89) Benzo(k)fluoranthene	15.039	252	51470	16.937	ng	98
90) Benzo(a)pyrene	15.339	252	16014	5.424	ng	98
92) Benzo(g,h,i)perylene	17.386	276	10167	2.941	ng	# 94

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

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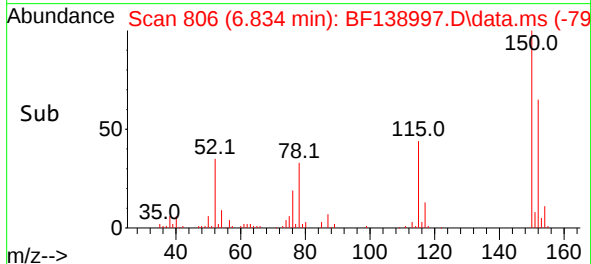
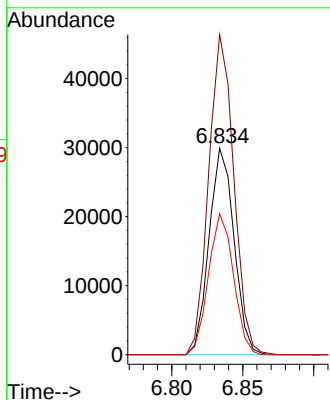
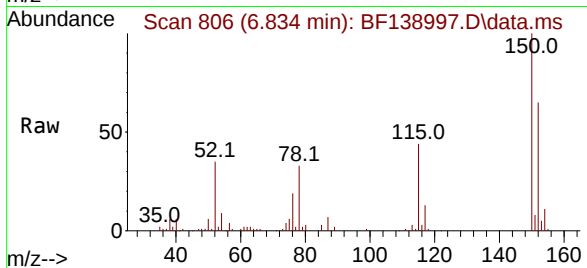




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.011 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

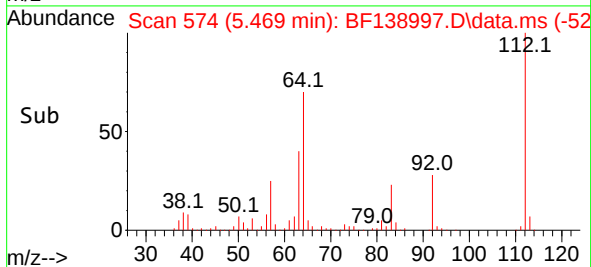
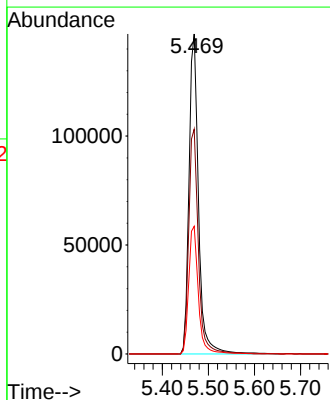
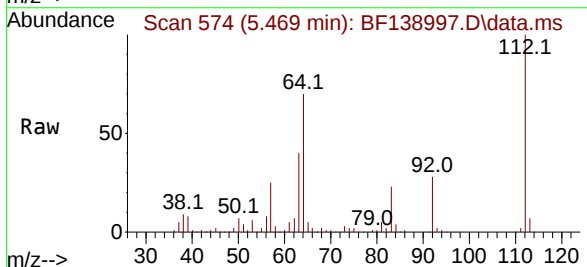
Instrument :
BNA_F
ClientSampleId :
RBR200036

Tgt Ion:152 Resp: 36638
Ion Ratio Lower Upper
152 100
150 155.0 126.0 189.0
115 68.3 51.7 77.5



#5
2-Fluorophenol
Concen: 88.256 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

Tgt Ion:112 Resp: 209473
Ion Ratio Lower Upper
112 100
64 70.3 54.2 81.4
63 39.9 28.7 43.1

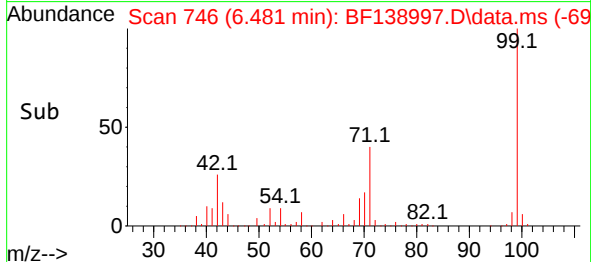
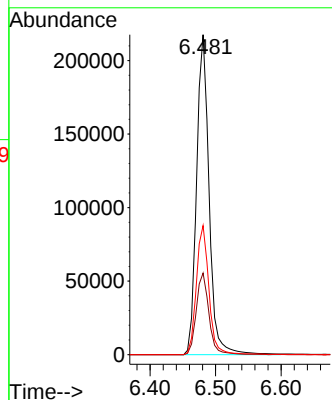
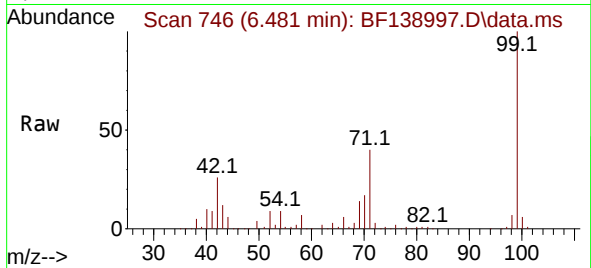




#7
Phenol-d6
Concen: 90.805 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

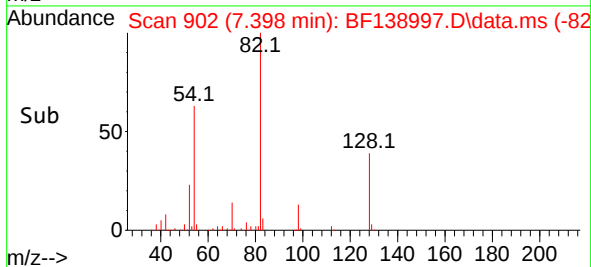
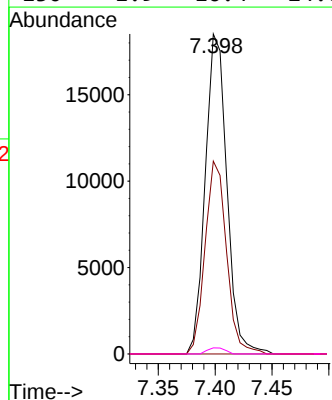
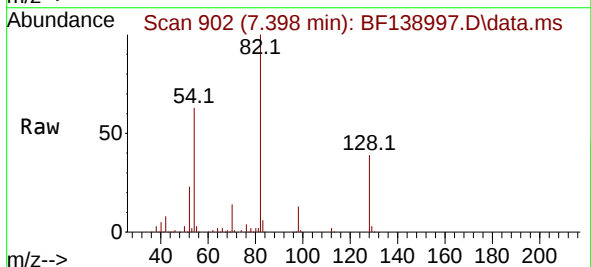
Instrument :
BNA_F
ClientSampleId :
RBR200036

Tgt Ion: 99 Resp: 289361
Ion Ratio Lower Upper
99 100
42 25.5 17.4 26.0
71 40.4 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 12.724 ng
RT: 7.398 min Scan# 902
Delta R.T. 0.141 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

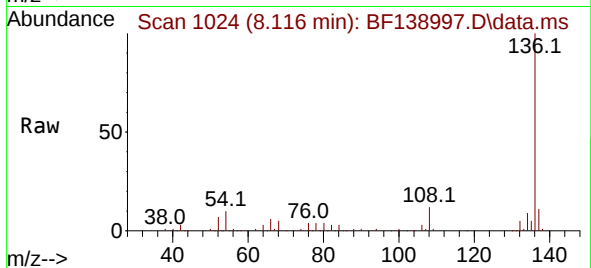
Tgt Ion: 70 Resp: 24490
Ion Ratio Lower Upper
70 100
42 60.3 57.4 86.0
101 0.0 7.5 11.3#
130 1.9 16.4 24.6#



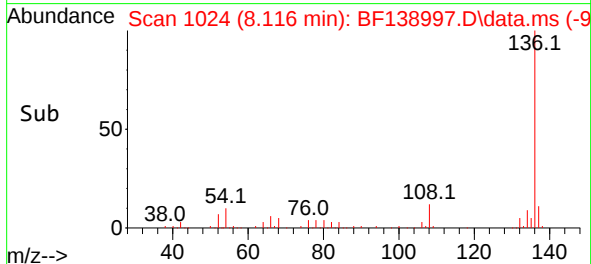
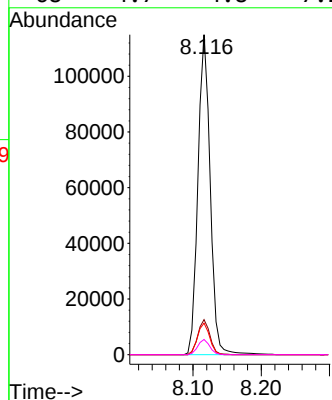


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

Instrument :
BNA_F
ClientSampleId :
RBR200036

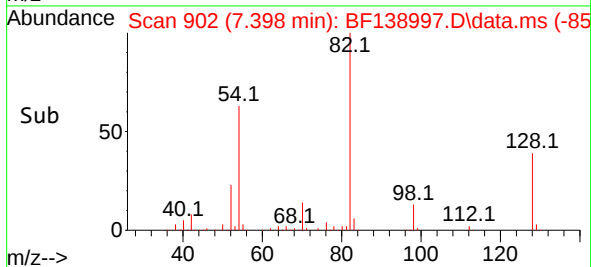
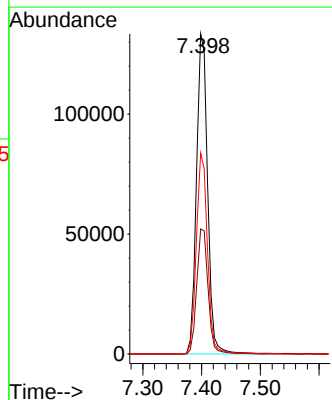
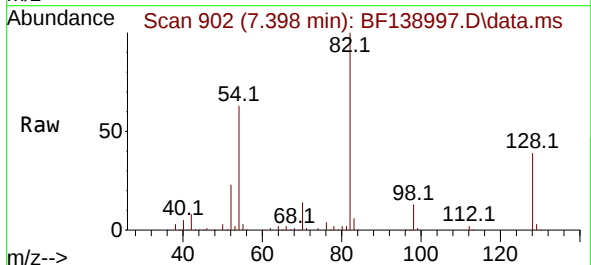


Tgt Ion:136 Resp: 143446
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 9.8 8.6 12.8
68 4.7 4.8 7.2#



#23
Nitrobenzene-d5
Concen: 59.877 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

Tgt Ion: 82 Resp: 175679
Ion Ratio Lower Upper
82 100
128 39.0 32.8 49.2
54 62.8 48.3 72.5

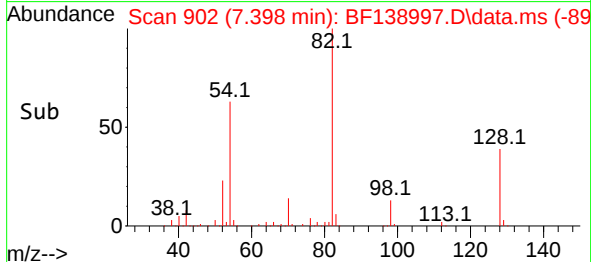
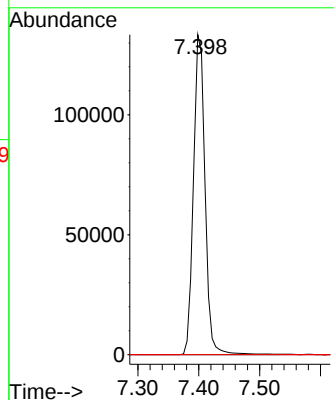
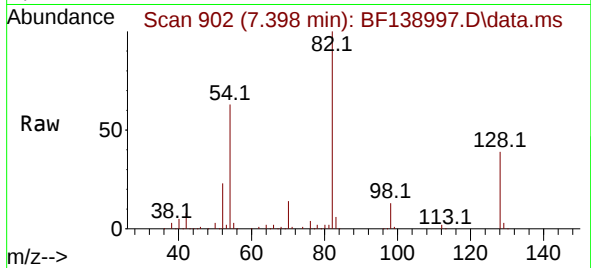




#25
Isophorone
Concen: 35.066 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

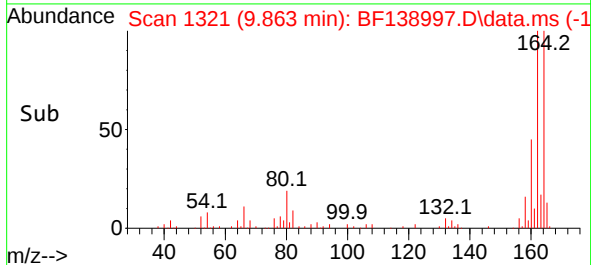
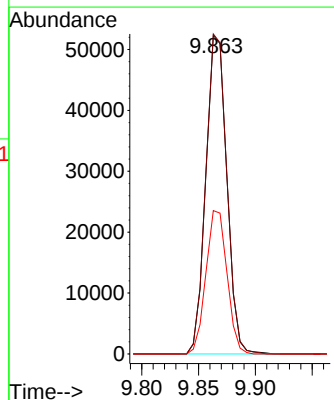
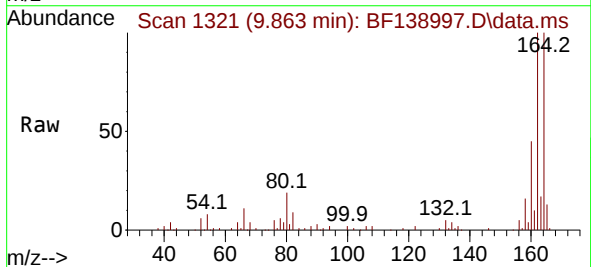
Instrument :
BNA_F
ClientSampleId :
RBR200036

Tgt Ion: 82 Resp: 175678
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: 9.863 min Scan# 1321
Delta R.T. -0.017 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

Tgt Ion:164 Resp: 67062
Ion Ratio Lower Upper
164 100
162 100.4 79.4 119.0
160 45.0 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 72.920 ng

RT: 10.657 min Scan# 1458

Delta R.T. -0.012 min

Lab File: BF138997.D

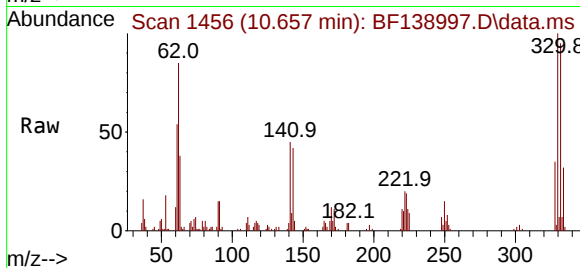
Acq: 14 Aug 2024 16:42

Instrument :

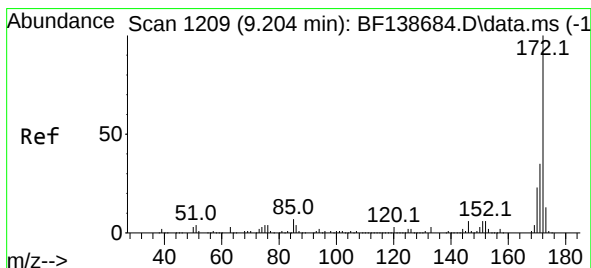
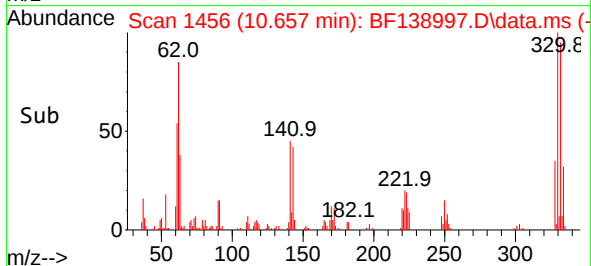
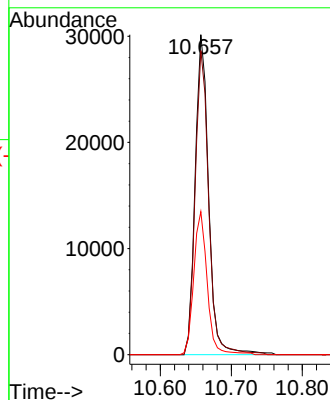
BNA_F

ClientSampleId :

RBR200036



Tgt Ion:	330	Resp:	40057
Ion Ratio	Lower	Upper	
330	100		
332	94.7	76.4	114.6
141	44.5	31.1	46.7



#45

2-Fluorobiphenyl

Concen: 52.071 ng

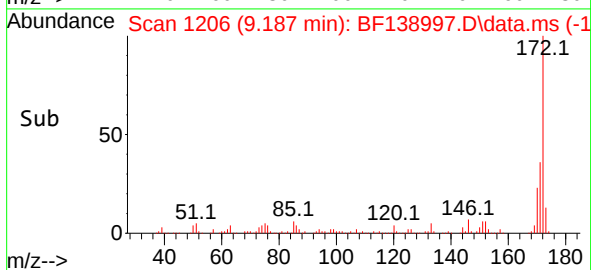
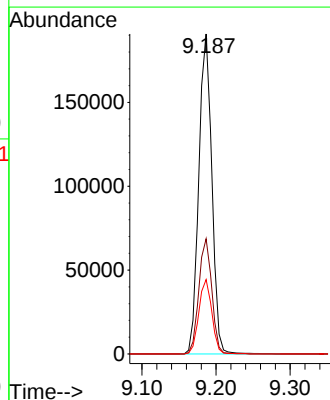
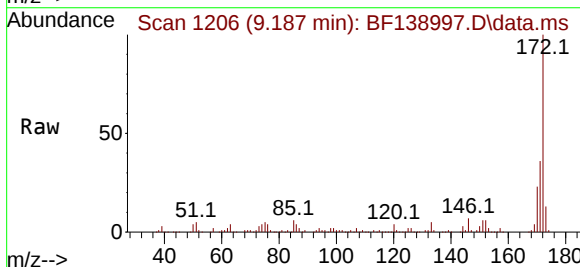
RT: 9.187 min Scan# 1206

Delta R.T. -0.018 min

Lab File: BF138997.D

Acq: 14 Aug 2024 16:42

Tgt Ion:	172	Resp:	232413
Ion Ratio	Lower	Upper	
172	100		
171	36.0	28.3	42.5
170	23.3	18.8	28.2





#51

2,6-Dinitrotoluene

Concen: 8.818 ng

RT: 9.863 min Scan# 11

Delta R.T. 0.194 min

Lab File: BF138997.D

Acq: 14 Aug 2024 16:42

Instrument :

BNA_F

ClientSampleId :

RBR200036

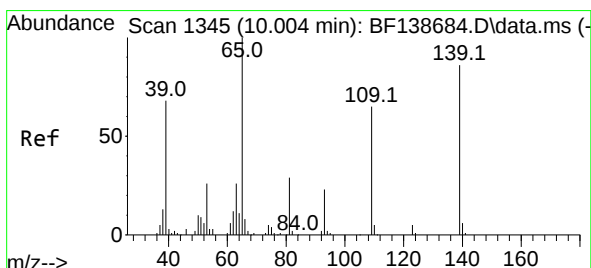
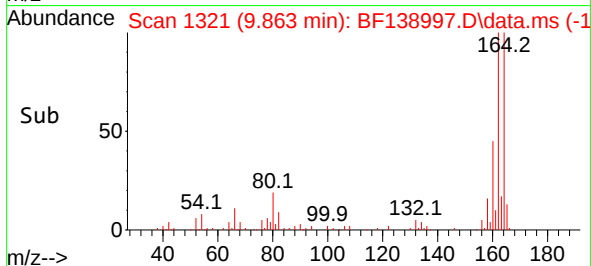
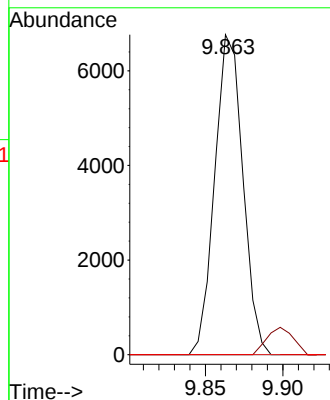
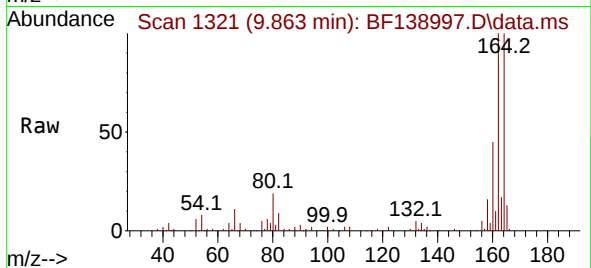
Tgt Ion:165 Resp: 8533

Ion Ratio Lower Upper

165 100

63 0.0 52.0 78.0#

89 0.0 47.0 70.6#



#56

4-Nitrophenol

Concen: 3.888 ng

RT: 10.075 min Scan# 1357

Delta R.T. 0.071 min

Lab File: BF138997.D

Acq: 14 Aug 2024 16:42

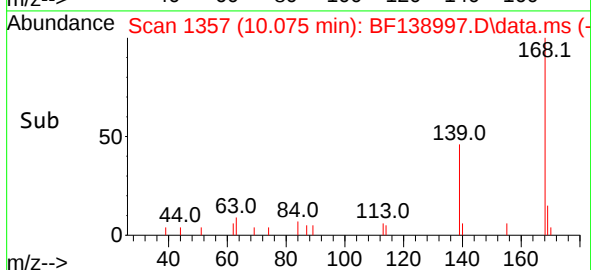
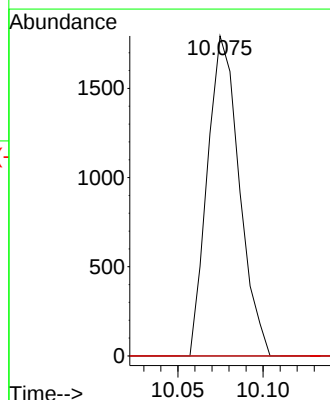
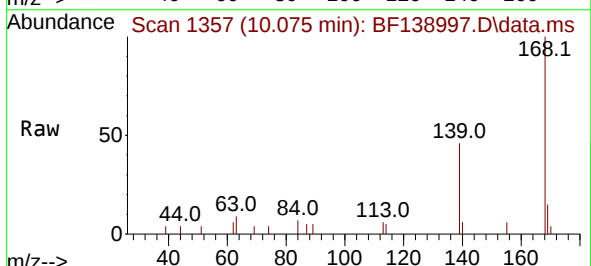
Tgt Ion:139 Resp: 2339

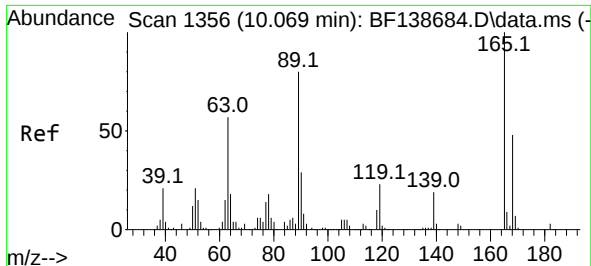
Ion Ratio Lower Upper

139 100

109 0.0 55.5 95.5#

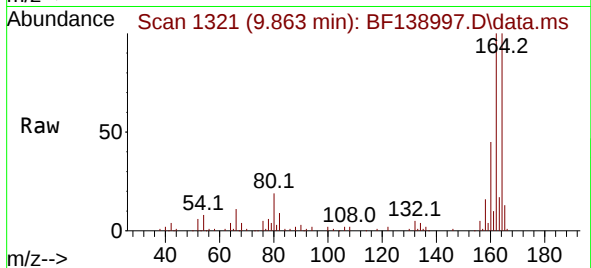
65 0.0 96.7 136.7#



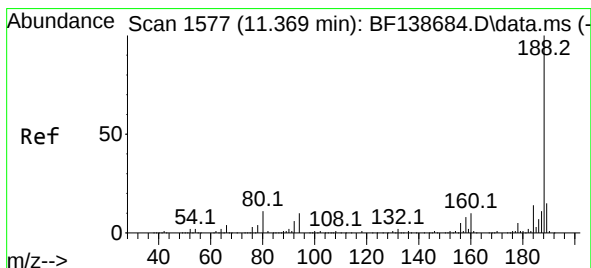
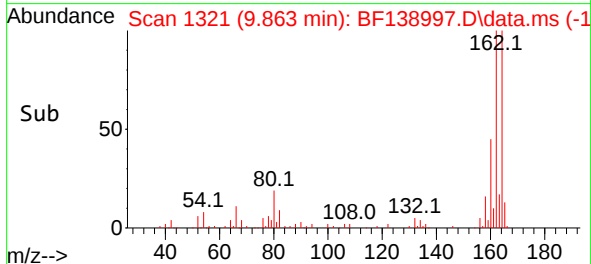
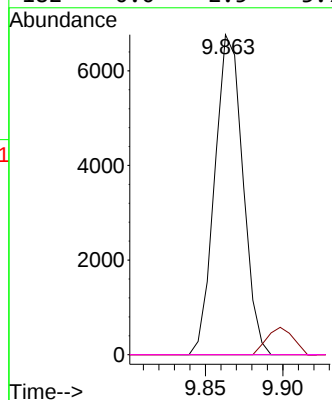


#57
2,4-Dinitrotoluene
Concen: 6.911 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

Instrument :
BNA_F
ClientSampleId :
RBR200036

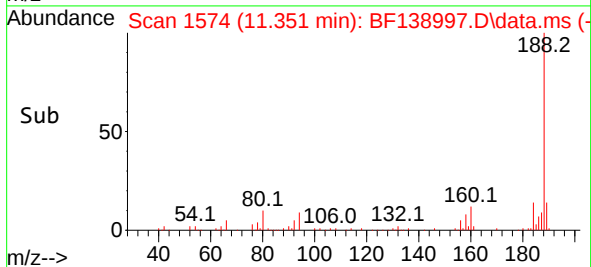
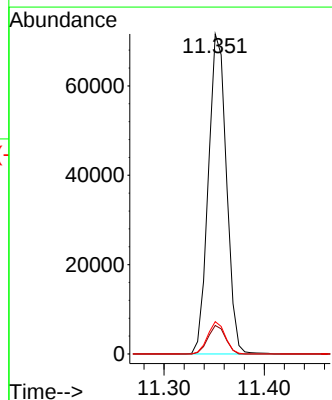
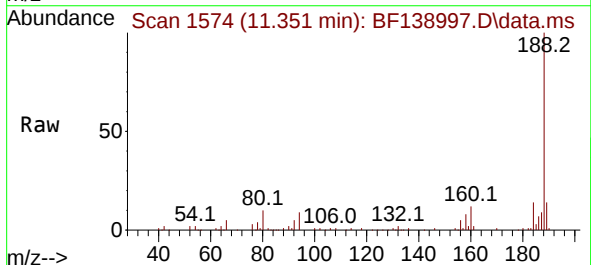


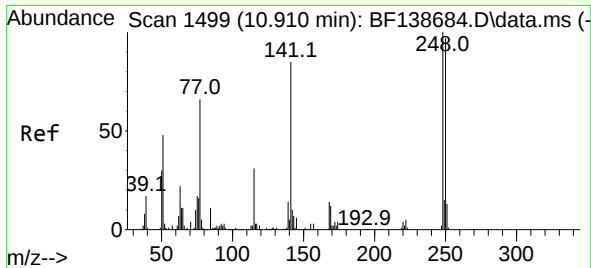
Tgt Ion:165	Resp:	8533
Ion	Ratio	Lower Upper
165	100	
63	0.0	46.3 69.5#
89	0.0	64.2 96.4#
182	0.0	2.5 3.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1574
Delta R.T. -0.018 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

Tgt Ion:188	Resp:	89927
Ion	Ratio	Lower Upper
188	100	
94	8.9	7.6 11.4
80	10.1	8.6 12.8

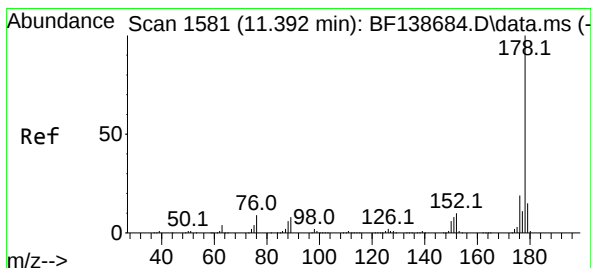
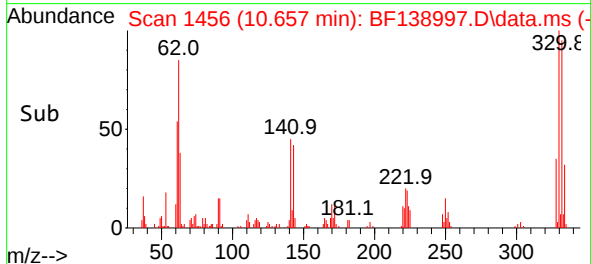
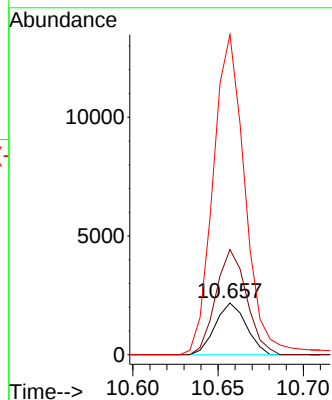
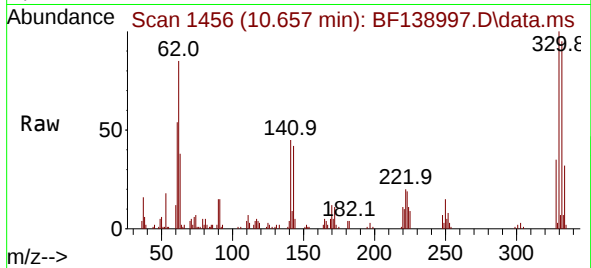




#67
4-Bromophenyl-phenylether
Concen: 2.830 ng
RT: 10.657 min Scan# 1499
Delta R.T. -0.253 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

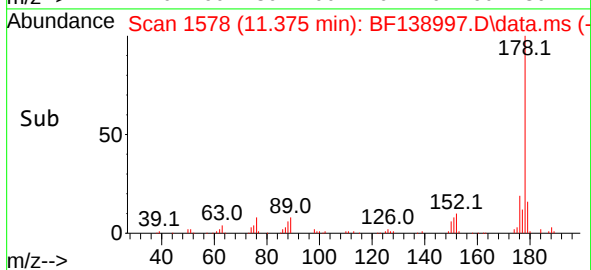
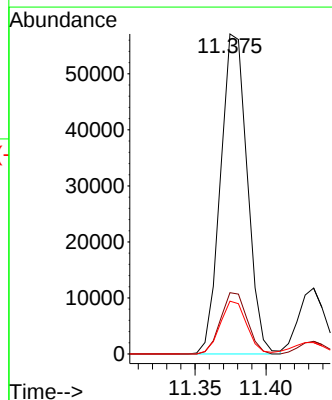
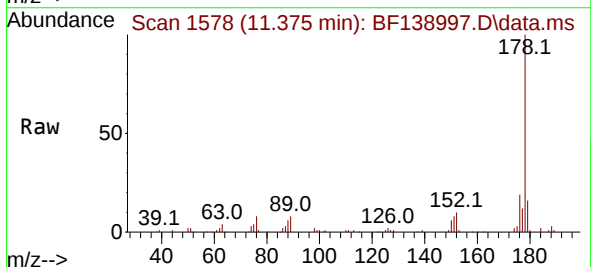
Instrument :
BNA_F
ClientSampleId :
RBR200036

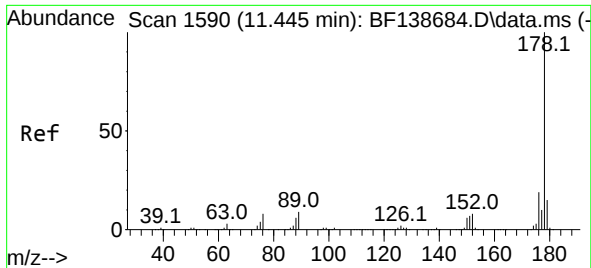
Tgt Ion:248 Resp: 2755
Ion Ratio Lower Upper
248 100
250 203.0 77.7 116.5#
141 618.3 68.0 102.0#



#71
Phenanthrene
Concen: 16.109 ng
RT: 11.375 min Scan# 1578
Delta R.T. -0.018 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

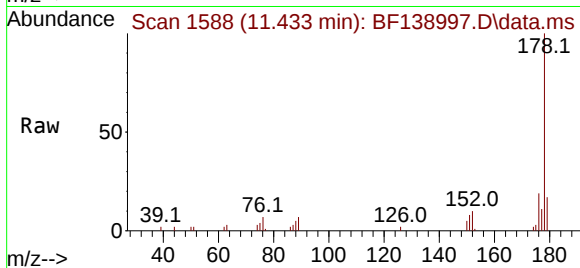
Tgt Ion:178 Resp: 74594
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 16.5 12.2 18.2



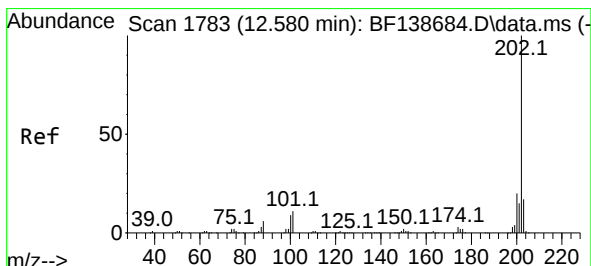
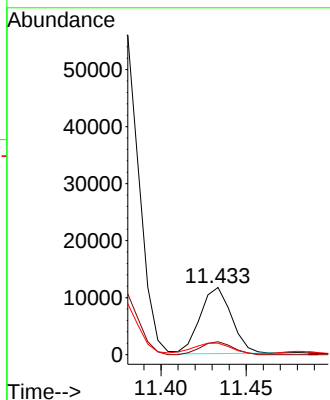
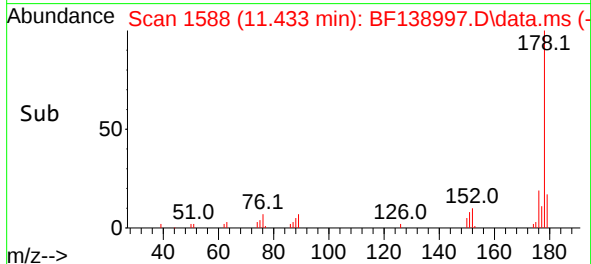


#72
Anthracene
Concen: 3.257 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

Instrument :
BNA_F
ClientSampleId :
RBR200036

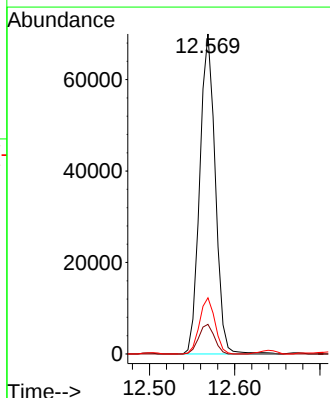
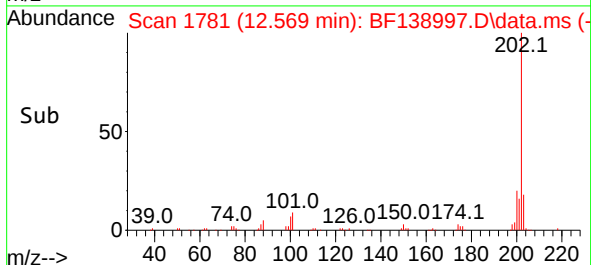
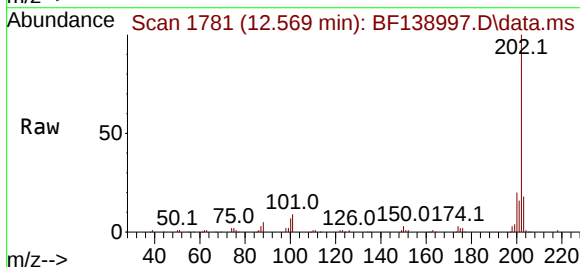


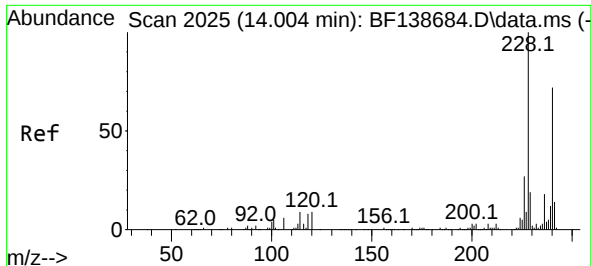
Tgt Ion:178 Resp: 14856
Ion Ratio Lower Upper
178 100
176 19.2 14.9 22.3
179 17.3 12.4 18.6



#75
Fluoranthene
Concen: 20.503 ng
RT: 12.569 min Scan# 1781
Delta R.T. -0.012 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

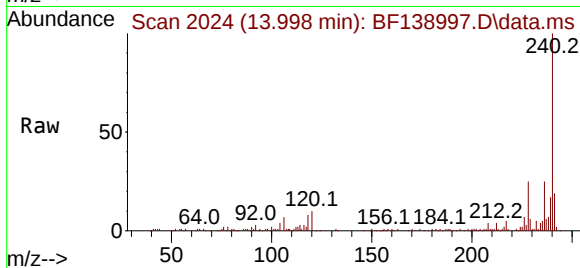
Tgt Ion:202 Resp: 88634
Ion Ratio Lower Upper
202 100
101 9.3 0.0 31.2
203 17.5 0.0 37.3



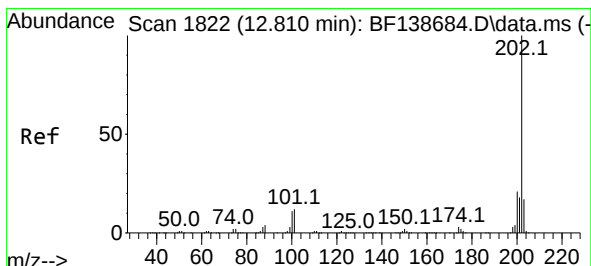
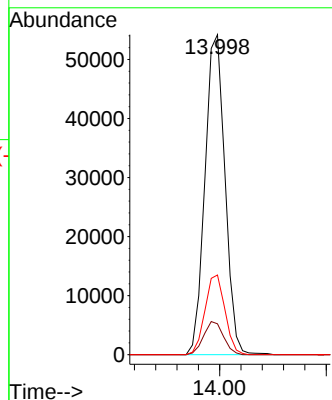
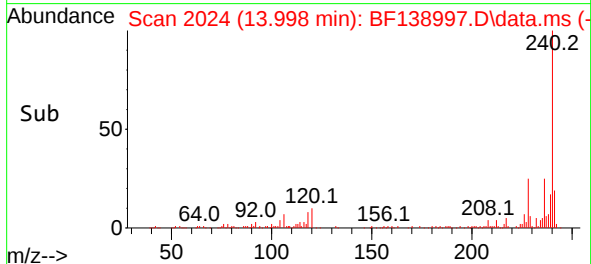


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

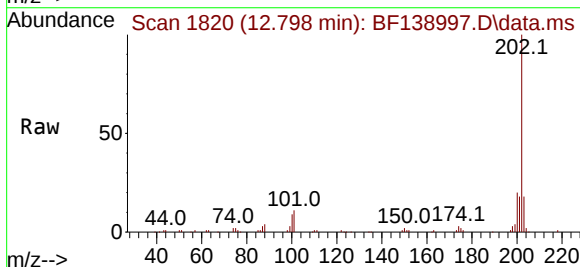
Instrument :
BNA_F
ClientSampleId :
RBR200036



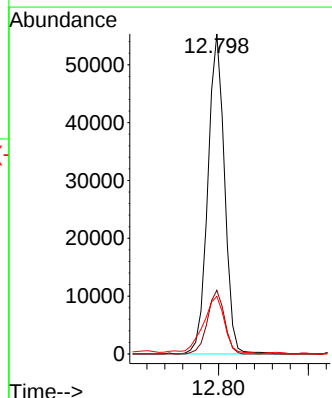
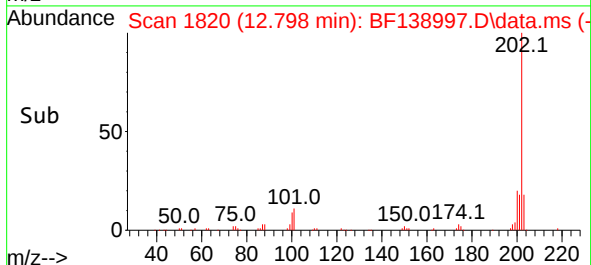
Tgt Ion:240 Resp: 70837
Ion Ratio Lower Upper
240 100
120 9.6 10.2 15.4#
236 24.9 19.8 29.8

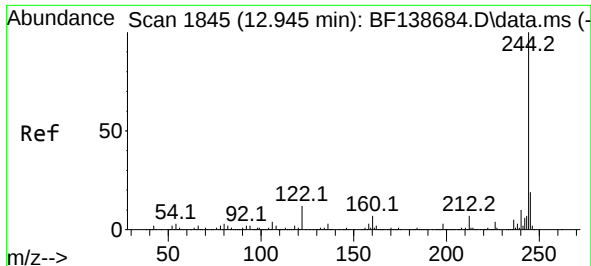


#78
Pyrene
Concen: 10.676 ng
RT: 12.798 min Scan# 1820
Delta R.T. -0.012 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42



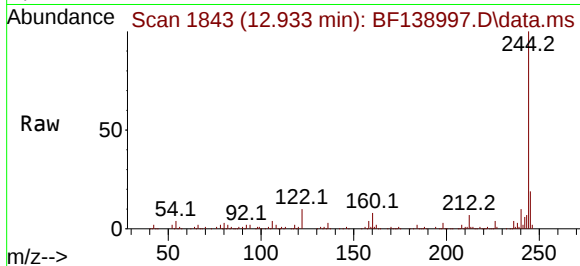
Tgt Ion:202 Resp: 71204
Ion Ratio Lower Upper
202 100
200 19.9 16.8 25.2
203 18.0 13.8 20.6



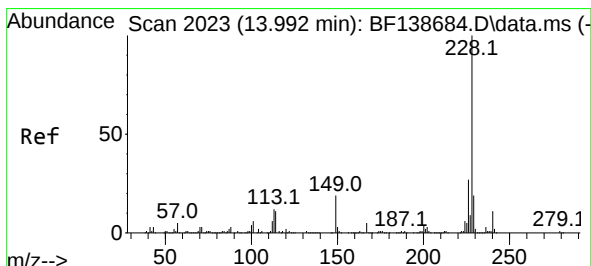
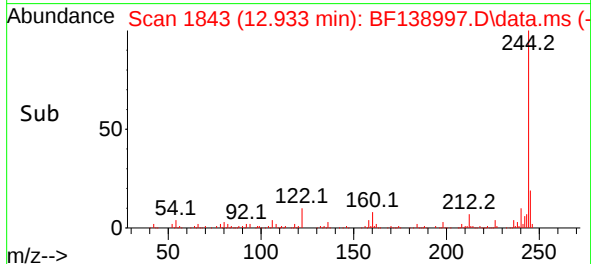
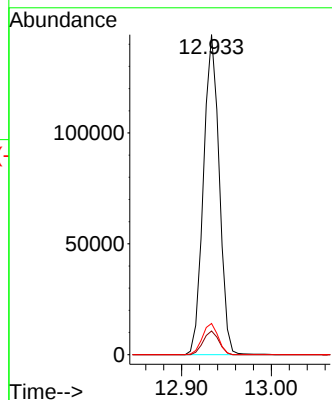


#79
 Terphenyl-d14
 Concen: 41.619 ng
 RT: 12.933 min Scan# 1843
 Delta R.T. -0.012 min
 Lab File: BF138997.D
 Acq: 14 Aug 2024 16:42

Instrument :
 BNA_F
 ClientSampleId :
 RBR200036

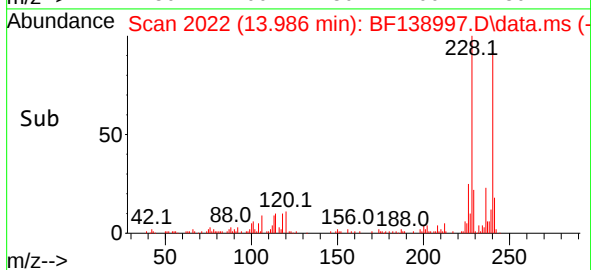
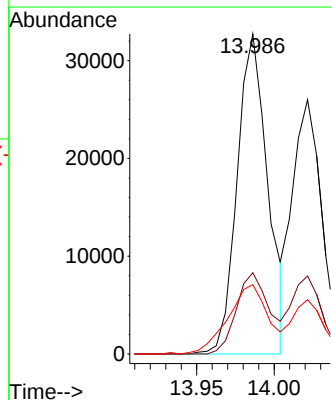
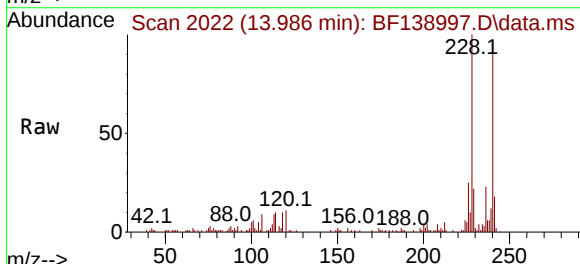


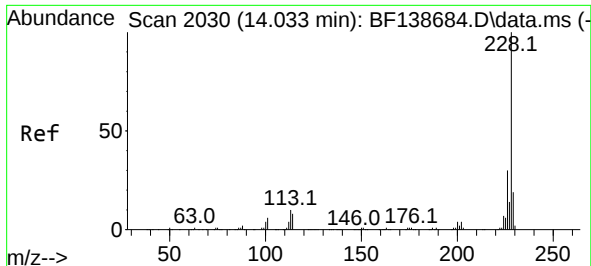
Tgt Ion:244 Resp: 176086
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.4 8.2
 122 9.7 9.6 14.4



#81
 Benzo(a)anthracene
 Concen: 9.222 ng
 RT: 13.986 min Scan# 2022
 Delta R.T. -0.006 min
 Lab File: BF138997.D
 Acq: 14 Aug 2024 16:42

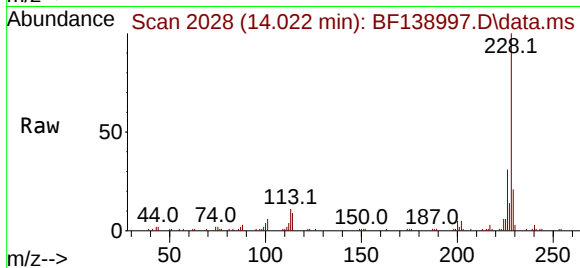
Tgt Ion:228 Resp: 44984
 Ion Ratio Lower Upper
 228 100
 226 25.4 22.1 33.1
 229 21.7 15.4 23.0



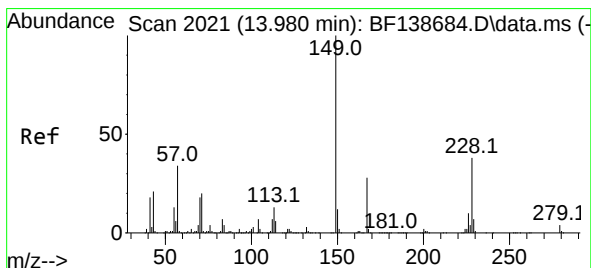
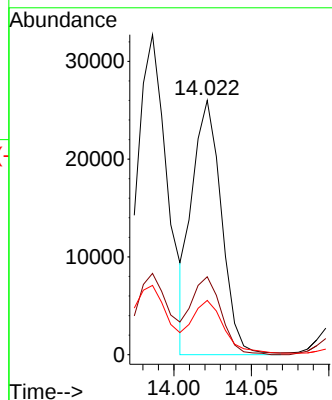
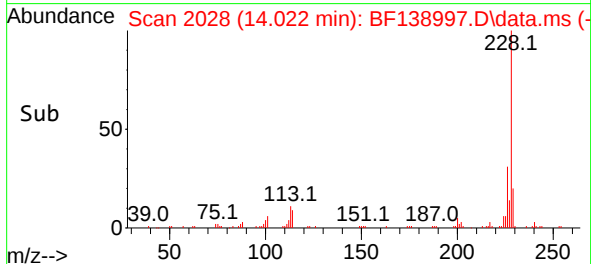


#83
Chrysene
Concen: 7.810 ng
RT: 14.022 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

Instrument :
BNA_F
ClientSampleId :
RBR200036

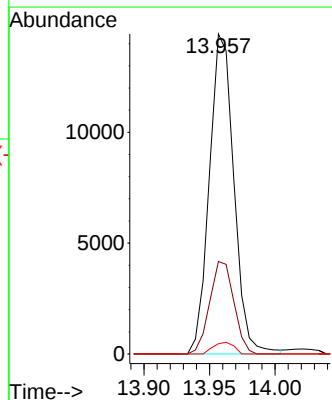
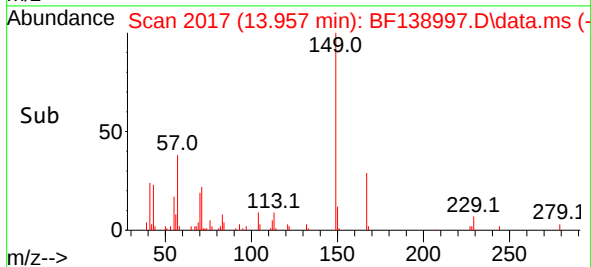
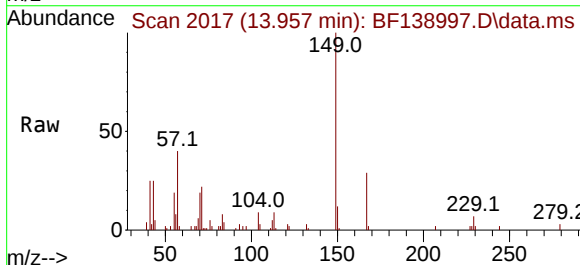


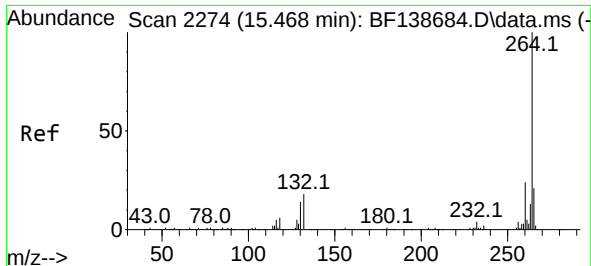
Tgt Ion:228 Resp: 34370
Ion Ratio Lower Upper
228 100
226 30.7 23.7 35.5
229 21.3 15.0 22.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 6.013 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.023 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

Tgt Ion:149 Resp: 18804
Ion Ratio Lower Upper
149 100
167 28.9 22.2 33.4
279 3.2 3.4 5.0#

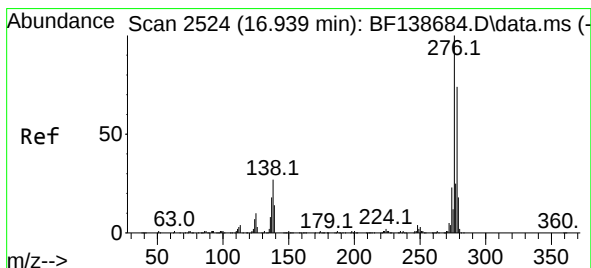
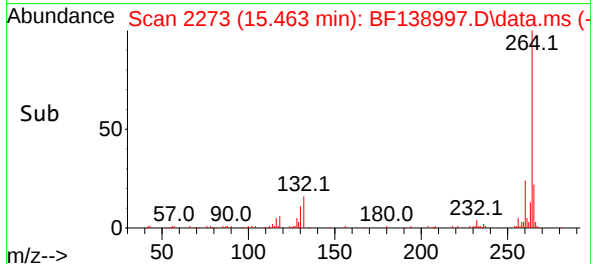
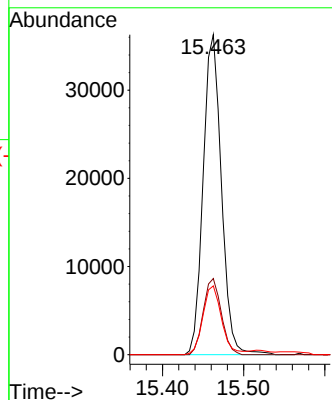
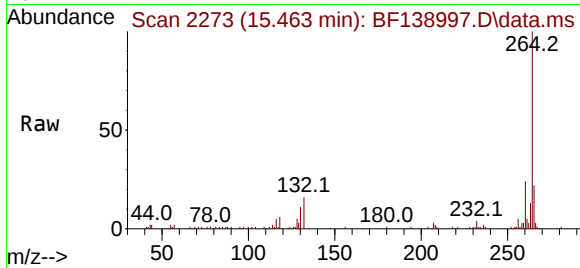




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.463 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF138997.D
 Acq: 14 Aug 2024 16:42

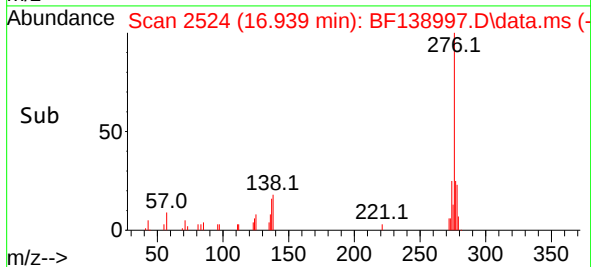
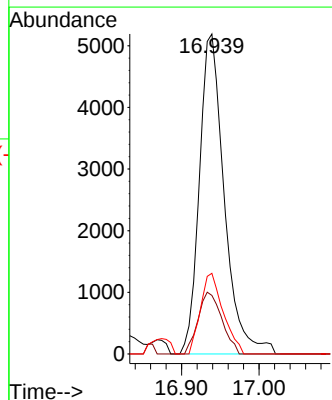
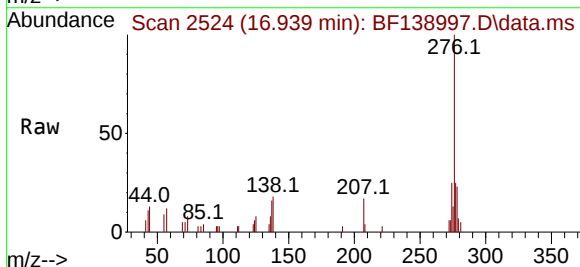
Instrument :
 BNA_F
 ClientSampleId :
 RBR200036

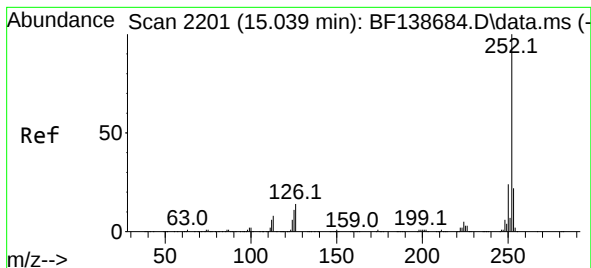
Tgt Ion:264 Resp: 56621
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.0 28.6
 265 21.5 17.0 25.6



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.852 ng
 RT: 16.939 min Scan# 2524
 Delta R.T. 0.000 min
 Lab File: BF138997.D
 Acq: 14 Aug 2024 16:42

Tgt Ion:276 Resp: 11574
 Ion Ratio Lower Upper
 276 100
 138 18.4 21.8 32.8#
 277 22.9 20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 14.664 ng

RT: 15.039 min Scan# 2201

Delta R.T. 0.000 min

Lab File: BF138997.D

Acq: 14 Aug 2024 16:42

Instrument :

BNA_F

ClientSampleId :

RBR200036

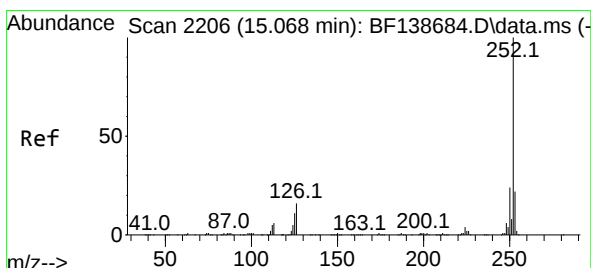
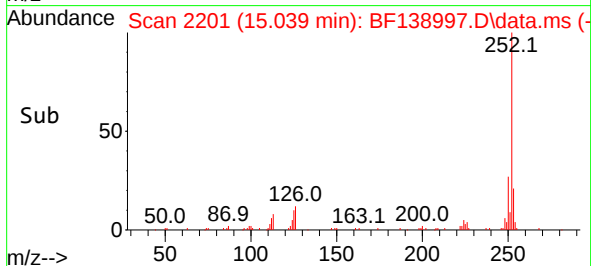
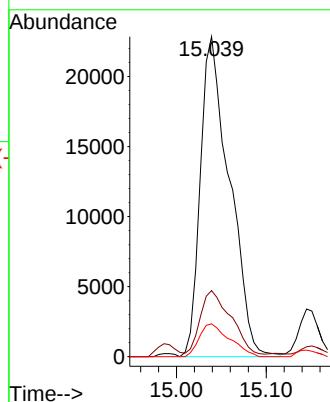
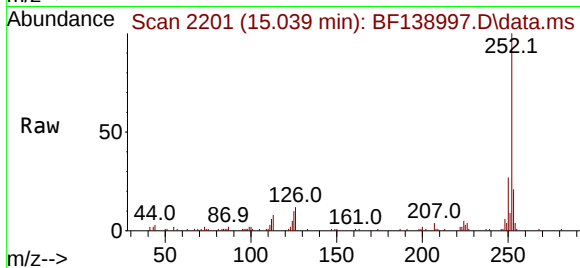
Tgt Ion:252 Resp: 51470

Ion Ratio Lower Upper

252 100

253 20.7 17.5 26.3

125 10.3 8.9 13.3



#89

Benzo(k)fluoranthene

Concen: 16.937 ng

RT: 15.039 min Scan# 2201

Delta R.T. -0.029 min

Lab File: BF138997.D

Acq: 14 Aug 2024 16:42

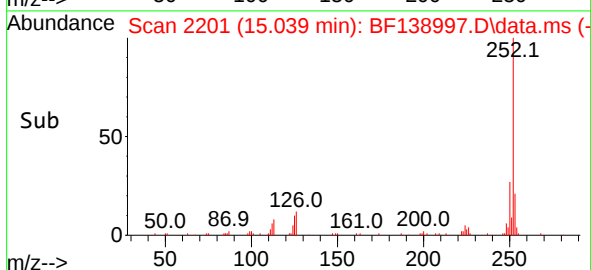
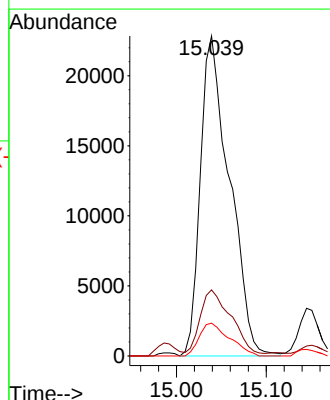
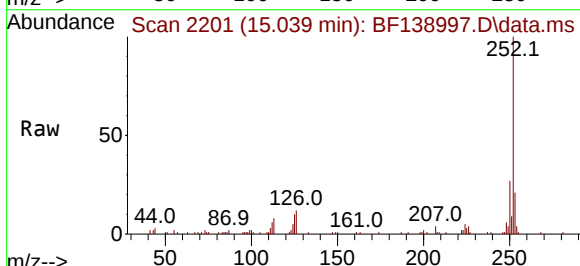
Tgt Ion:252 Resp: 51470

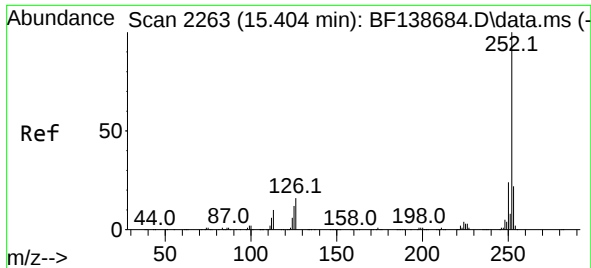
Ion Ratio Lower Upper

252 100

253 20.7 17.4 26.0

125 10.3 8.6 13.0

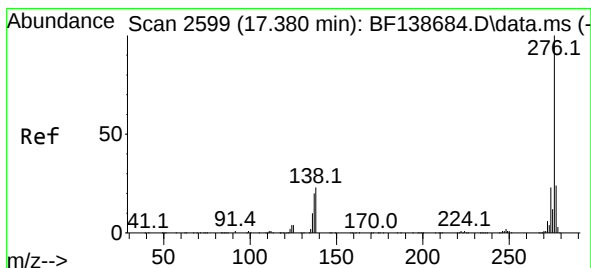
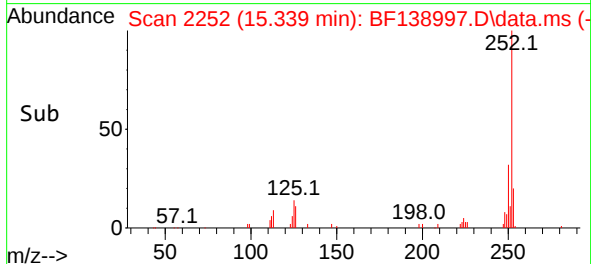
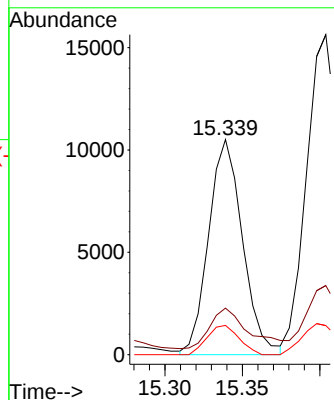
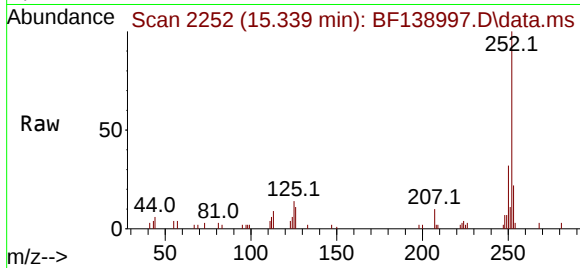




#90
Benzo(a)pyrene
Concen: 5.424 ng
RT: 15.339 min Scan# 21
Delta R.T. -0.065 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

Instrument :
BNA_F
ClientSampleId :
RBR200036

Tgt Ion:252 Resp: 16014
Ion Ratio Lower Upper
252 100
253 21.6 17.3 25.9
125 13.6 9.5 14.3



#92
Benzo(g,h,i)perylene
Concen: 2.941 ng
RT: 17.386 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

Tgt Ion:276 Resp: 10167
Ion Ratio Lower Upper
276 100
277 24.5 19.0 28.4
138 18.3 18.5 27.7#

