

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120523\
 Data File : BG059961.D
 Acq On : 5 Dec 2023 22:51
 Operator : MA/JU
 Sample : 05595-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-113023

Quant Time: Dec 05 23:26:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG120423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 05 02:26:15 2023
 Response via : Initial Calibration

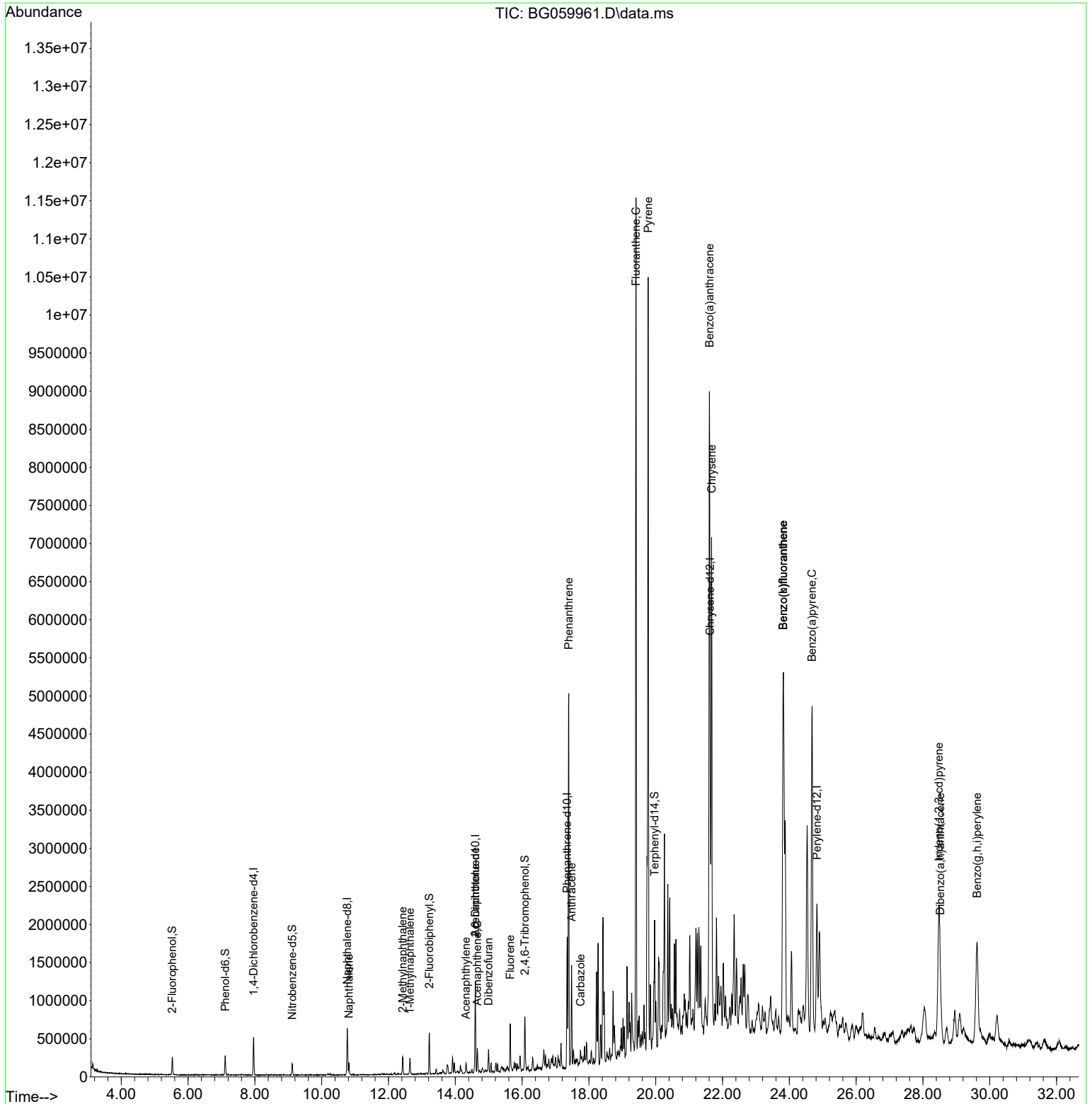
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.964	152	129144	20.000	ng	0.00	
21) Naphthalene-d8	10.766	136	449805	20.000	ng	# 0.00	
39) Acenaphthene-d10	14.597	164	418646	20.000	ng	0.00	
64) Phenanthrene-d10	17.347	188	1247515	20.000	ng	0.00	
76) Chrysene-d12	21.624	240	1731645	20.000	ng	0.00	
86) Perylene-d12	24.826	264	2069199	20.000	ng	0.01	
System Monitoring Compounds							
5) 2-Fluorophenol	5.525	112	92273	14.356	ng	0.00	
7) Phenol-d6	7.112	99	123135	12.155	ng	0.00	
23) Nitrobenzene-d5	9.115	82	90751	7.212	ng	0.00	
42) 2,4,6-Tribromophenol	16.078	330	142818	10.603	ng	0.00	
45) 2-Fluorobiphenyl	13.222	172	292994	7.633	ng	0.00	
79) Terphenyl-d14	19.967	244	810231	8.066	ng	0.00	
Target Compounds							
							Qvalue
31) Naphthalene	10.813	128	108482	4.692	ng		96
37) 2-Methylnaphthalene	12.423	142	99271	5.058	ng		89
38) 1-Methylnaphthalene	12.640	142	85288	4.450	ng	#	96
49) Acenaphthylene	14.321	152	85617	2.337	ng	#	94
51) 2,6-Dinitrotoluene	14.597	165	61789	7.913	ng	#	20
52) Acenaphthene	14.656	154	116715	4.414	ng		91
55) Dibenzofuran	14.991	168	133600	2.996	ng	#	91
58) Fluorene	15.643	166	275621	7.262	ng		91
71) Phenanthrene	17.394	178	3363517	57.099	ng		98
72) Anthracene	17.482	178	976465	16.217	ng		100
73) Carbazole	17.746	167	122581	2.679	ng	#	91
75) Fluoranthene	19.409	202	6771680	69.948	ng		67
78) Pyrene	19.773	202	6651865	72.182	ng	#	67
81) Benzo(a)anthracene	21.606	228	5546307	48.005	ng	#	88
83) Chrysene	21.671	228	4986090	46.030	ng	#	90
87) Indeno(1,2,3-cd)pyrene	28.481	276	3955346	25.886	ng	#	100
88) Benzo(b)fluoranthene	23.816	252	7240114	56.609	ng		96
89) Benzo(k)fluoranthene	23.816	252	7240114	58.095	ng		95
90) Benzo(a)pyrene	24.679	252	5574919	48.808	ng		92
91) Dibenzo(a,h)anthracene	28.516	278	1008255	7.772	ng	#	89
92) Benzo(g,h,i)perylene	29.621	276	3629276	28.926	ng		93

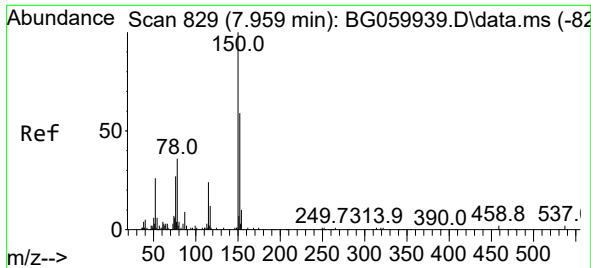
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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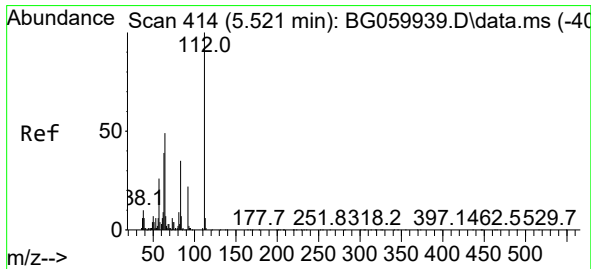
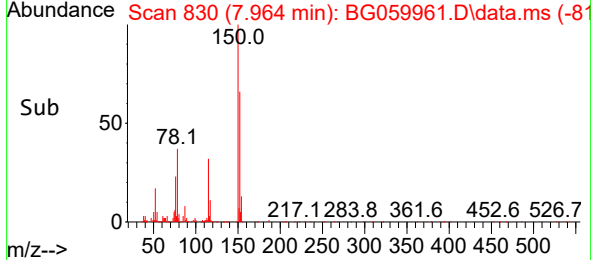
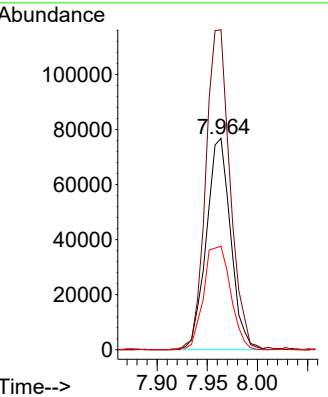
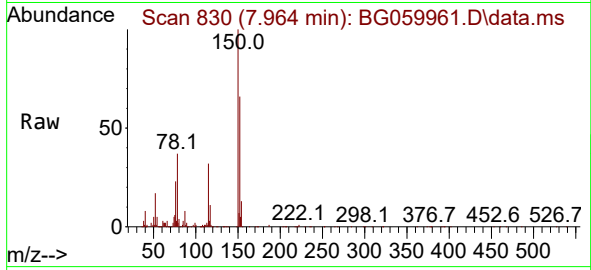


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.964 min Scan# 81
 Delta R.T. 0.005 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-113023

Tgt Ion:152 Resp: 129144

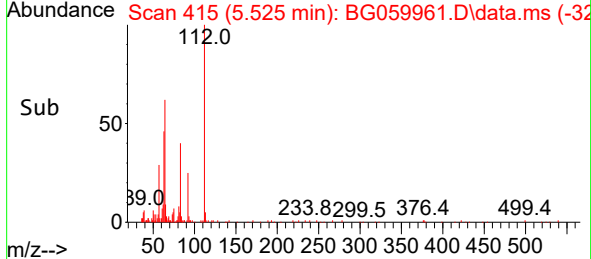
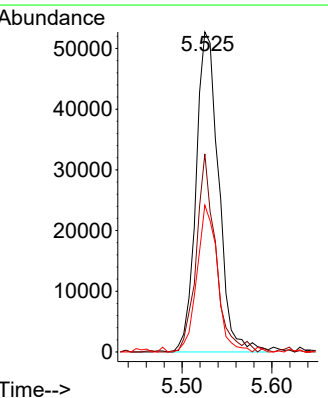
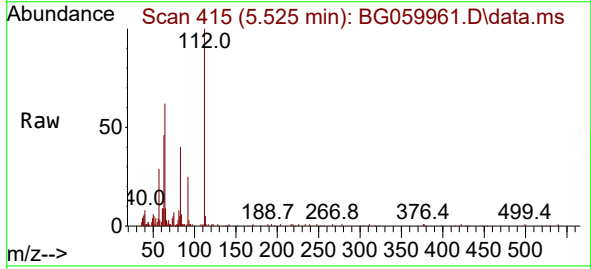
Ion	Ratio	Lower	Upper
152	100		
150	151.4	136.9	205.3
115	49.0	32.9	49.3

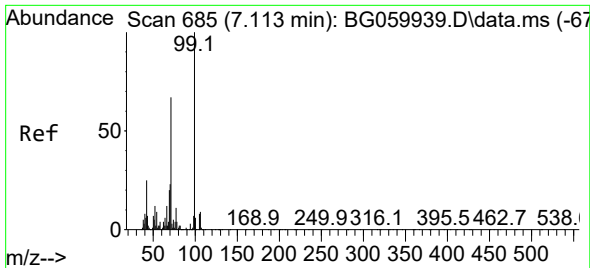


#5
 2-Fluorophenol
 Concen: 14.356 ng
 RT: 5.525 min Scan# 415
 Delta R.T. 0.004 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

Tgt Ion:112 Resp: 92273

Ion	Ratio	Lower	Upper
112	100		
64	61.9	39.4	59.0#
63	45.8	31.2	46.8



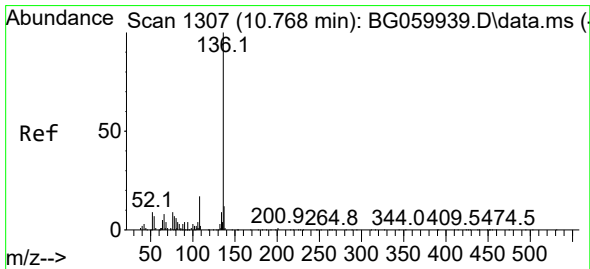
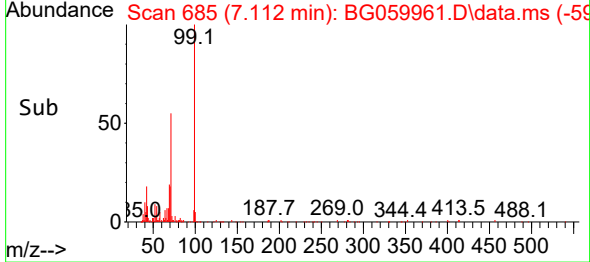
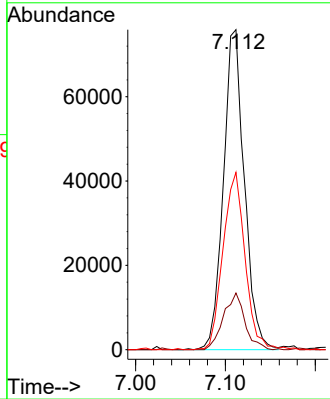
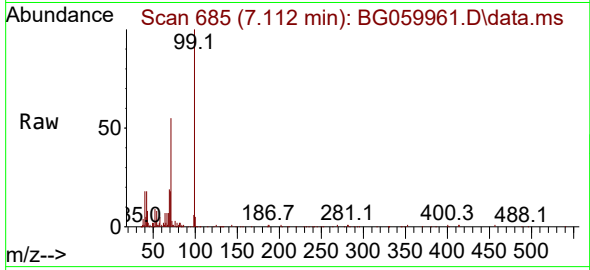


#7
 Phenol-d6
 Concen: 12.155 ng
 RT: 7.112 min Scan# 685
 Delta R.T. -0.002 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

Instrument : BNA_G
 ClientSampleId : OR-03-113023

Tgt Ion: 99 Resp: 123135

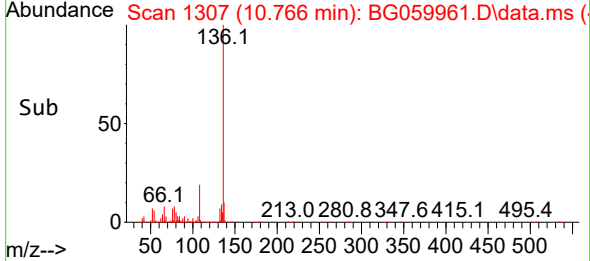
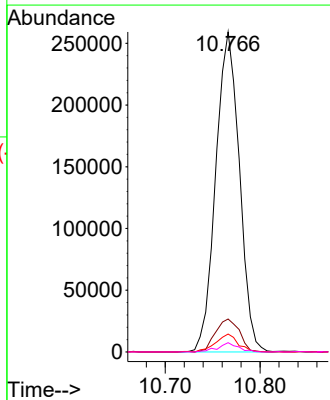
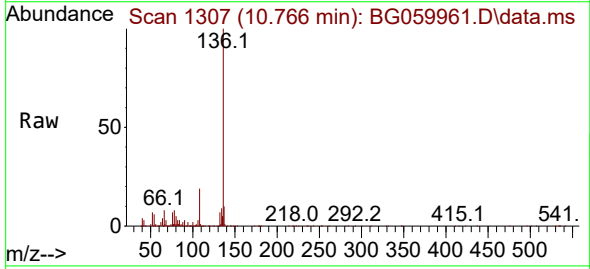
Ion	Ratio	Lower	Upper
99	100		
42	17.7	20.1	30.1#
71	55.4	53.8	80.6

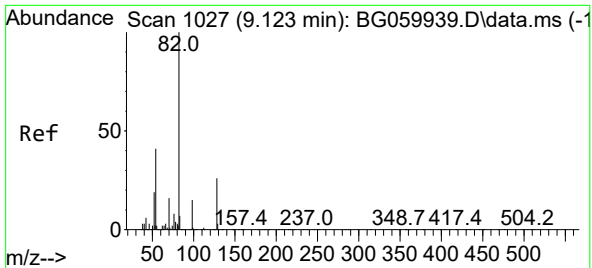


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.766 min Scan# 1307
 Delta R.T. -0.002 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

Tgt Ion:136 Resp: 449805

Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.8	14.6
54	5.6	5.8	8.6#
68	2.9	3.4	5.2#



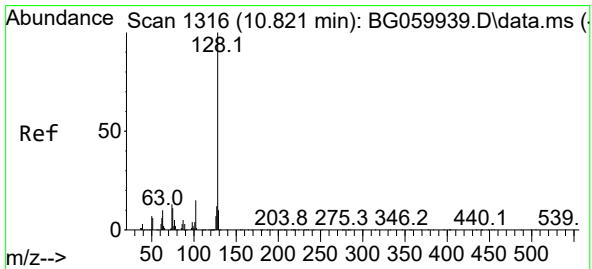
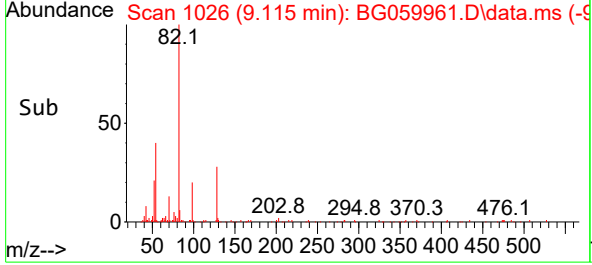
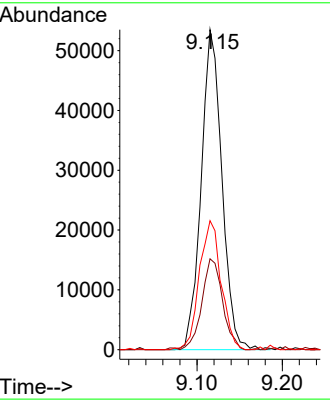
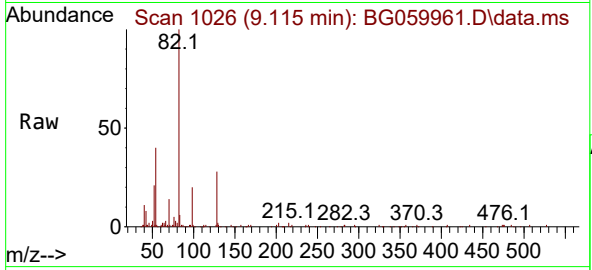


#23
 Nitrobenzene-d5
 Concen: 7.212 ng
 RT: 9.115 min Scan# 10
 Delta R.T. -0.007 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

Instrument : BNA_G
 ClientSampleId : OR-03-113023

Tgt Ion: 82 Resp: 90751

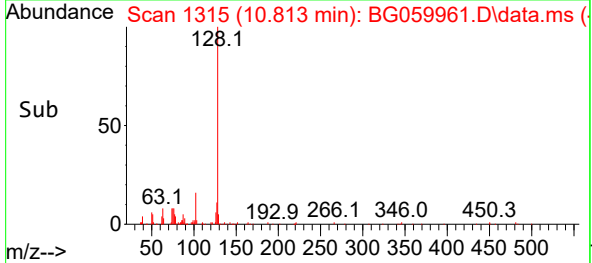
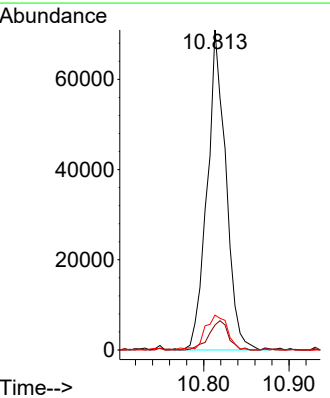
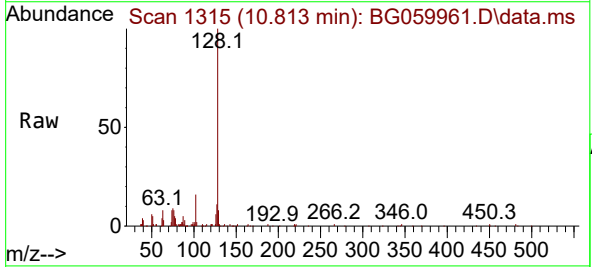
Ion	Ratio	Lower	Upper
82	100		
128	28.4	21.0	31.6
54	40.3	32.6	48.8

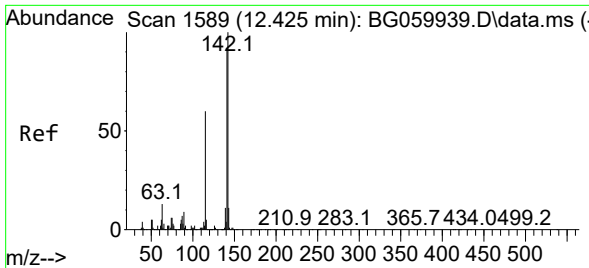


#31
 Naphthalene
 Concen: 4.692 ng
 RT: 10.813 min Scan# 1315
 Delta R.T. -0.007 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

Tgt Ion: 128 Resp: 108482

Ion	Ratio	Lower	Upper
128	100		
129	7.8	7.6	11.4
127	10.9	9.9	14.9

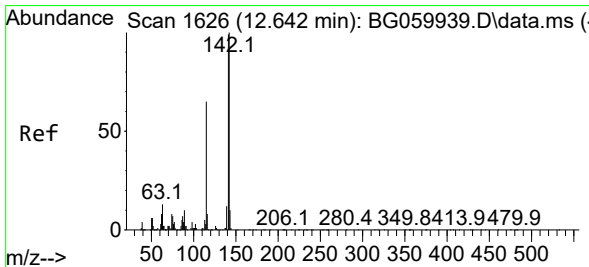
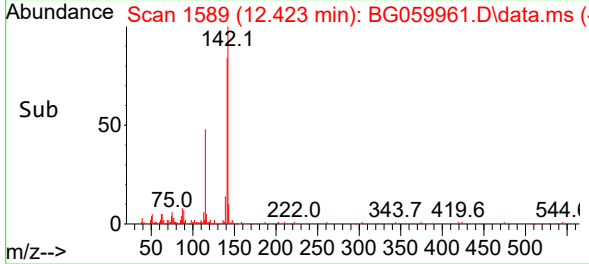
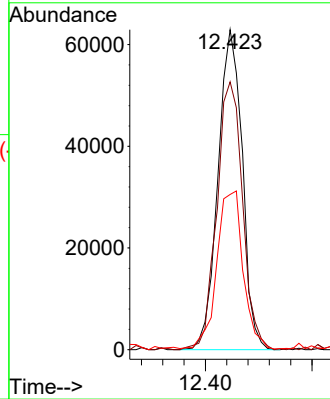
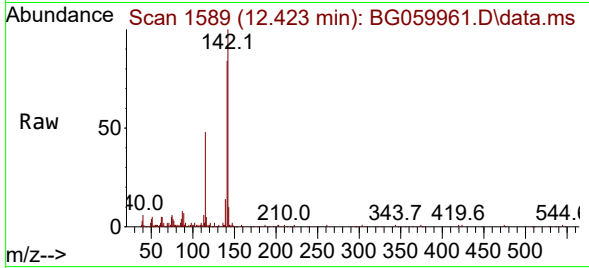




#37
2-Methylnaphthalene
Concen: 5.058 ng
RT: 12.423 min Scan# 1589
Delta R.T. -0.002 min
Lab File: BG059961.D
Acq: 5 Dec 2023 22:51

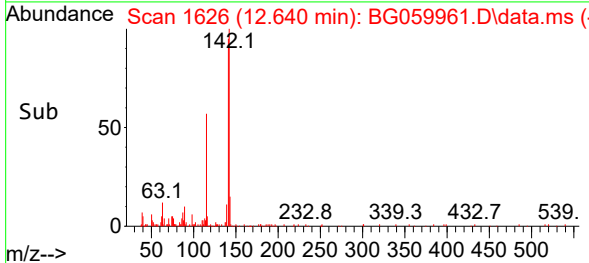
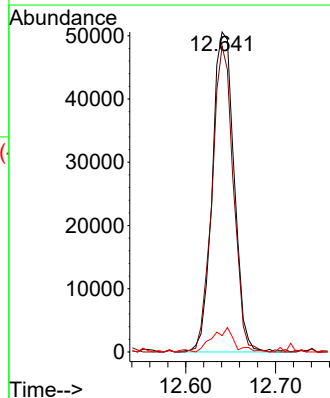
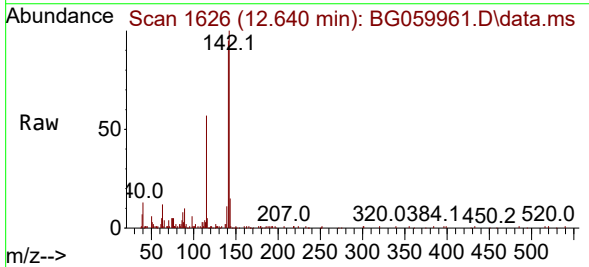
Instrument :
BNA_G
ClientSampleId :
OR-03-113023

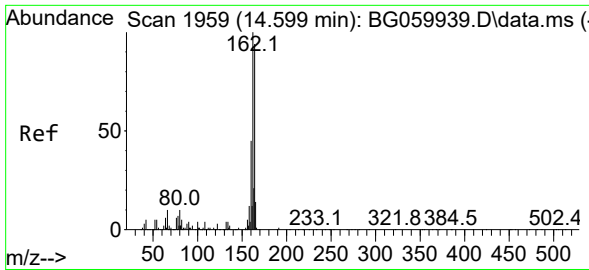
Tgt Ion:142 Resp: 99271
Ion Ratio Lower Upper
142 100
141 83.7 73.4 110.2
115 48.5 48.1 72.1



#38
1-Methylnaphthalene
Concen: 4.450 ng
RT: 12.640 min Scan# 1626
Delta R.T. -0.002 min
Lab File: BG059961.D
Acq: 5 Dec 2023 22:51

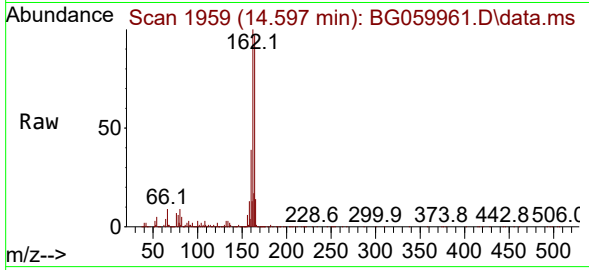
Tgt Ion:142 Resp: 85288
Ion Ratio Lower Upper
142 100
141 95.5 79.4 119.2
116 5.1 6.2 9.4#



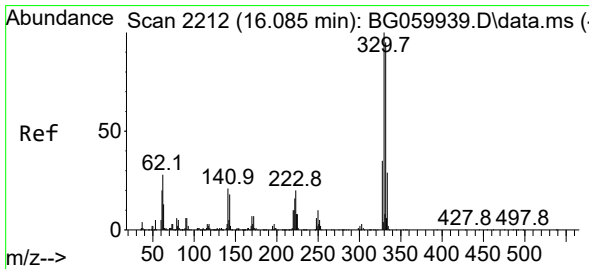
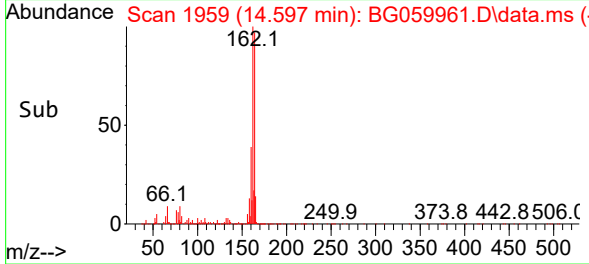
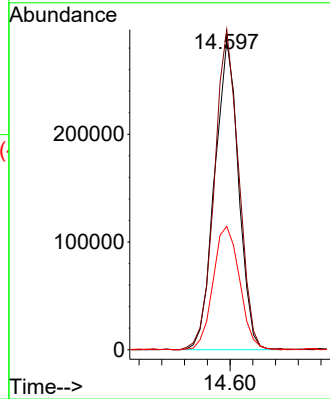


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.597 min Scan# 1959
 Delta R.T. -0.002 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-113023

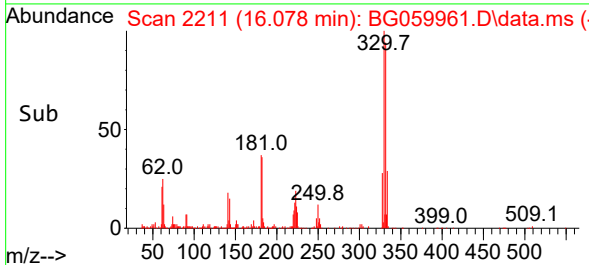
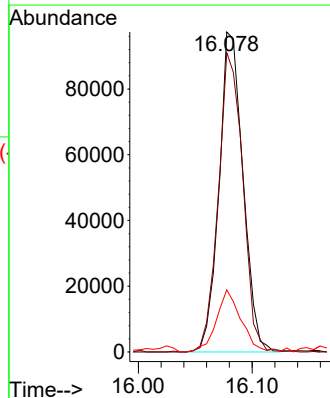
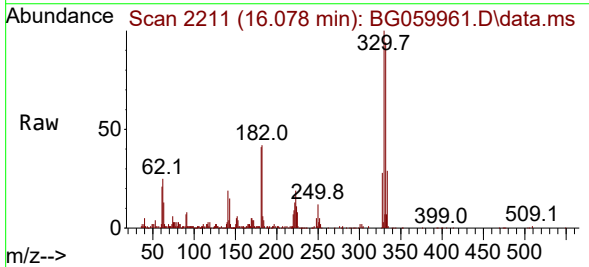


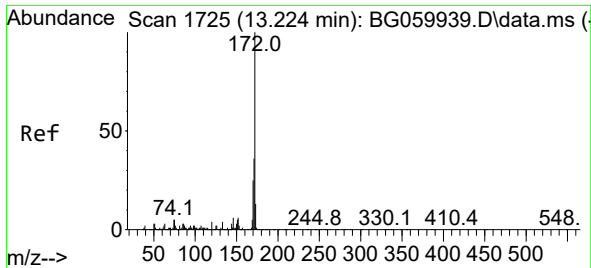
Tgt Ion:164 Resp: 418646
 Ion Ratio Lower Upper
 164 100
 162 103.4 85.0 127.6
 160 39.8 38.1 57.1



#42
 2,4,6-Tribromophenol
 Concen: 10.603 ng
 RT: 16.078 min Scan# 2211
 Delta R.T. -0.007 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

Tgt Ion:330 Resp: 142818
 Ion Ratio Lower Upper
 330 100
 332 95.2 76.5 114.7
 141 20.0 15.0 22.6

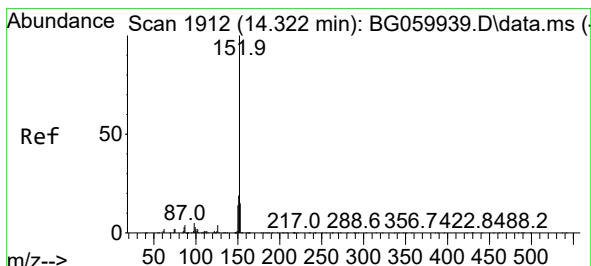
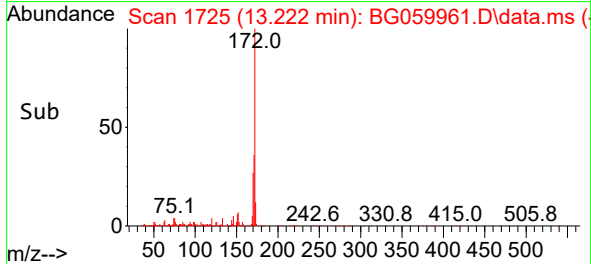
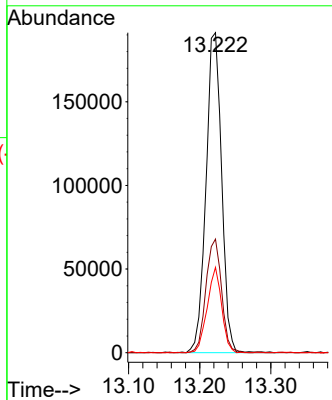
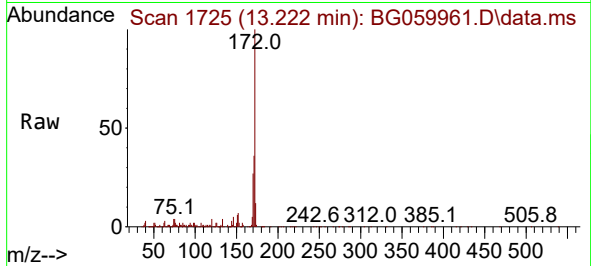




#45
 2-Fluorobiphenyl
 Concen: 7.633 ng
 RT: 13.222 min Scan# 11
 Delta R.T. -0.002 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

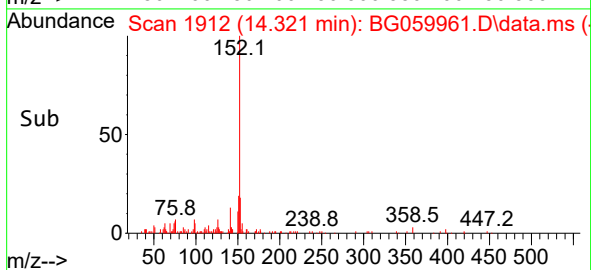
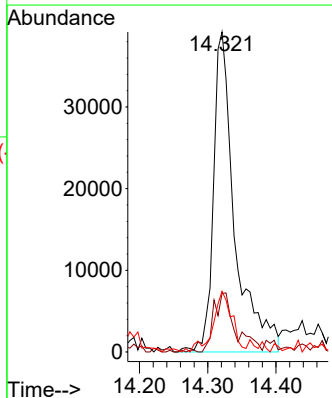
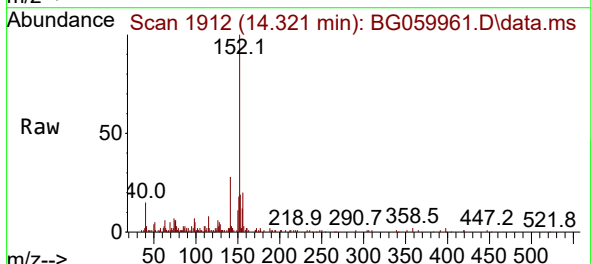
Instrument : BNA_G
 ClientSampleId : OR-03-113023

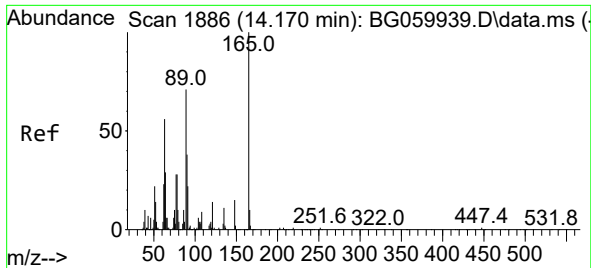
Tgt Ion	Resp	Lower	Upper
172	100		
171	35.5	28.6	43.0
170	26.7	19.8	29.8



#49
 Acenaphthylene
 Concen: 2.337 ng
 RT: 14.321 min Scan# 1912
 Delta R.T. -0.002 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

Tgt Ion	Resp	Lower	Upper
152	100		
151	18.3	15.3	22.9
153	18.9	11.7	17.5

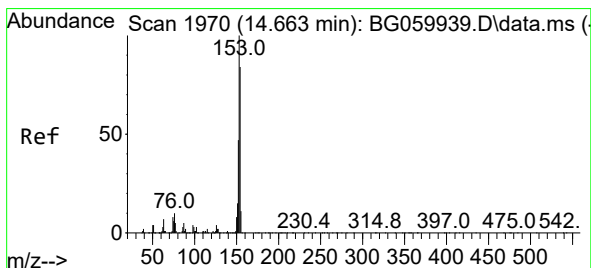
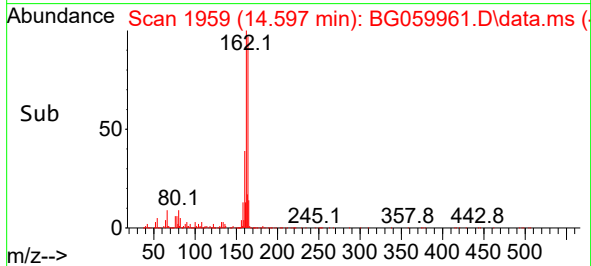
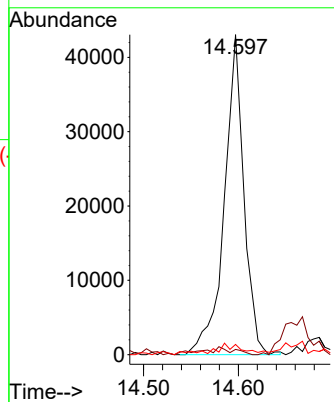
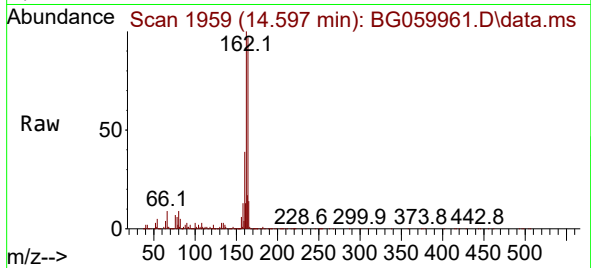




#51
 2,6-Dinitrotoluene
 Concen: 7.913 ng
 RT: 14.597 min Scan# 1959
 Delta R.T. 0.427 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

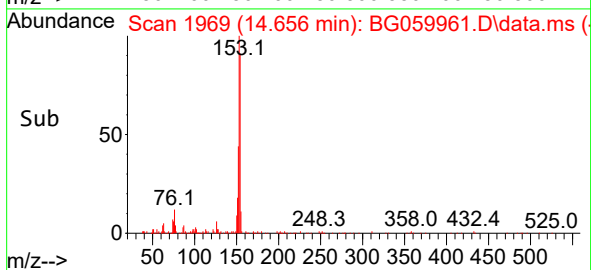
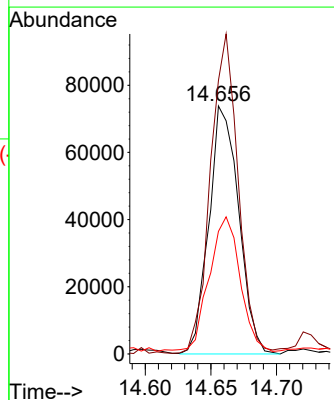
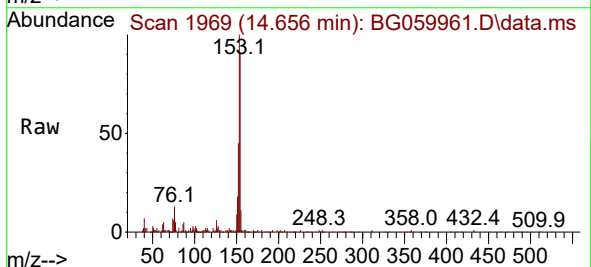
Instrument : BNA_G
 ClientSampleId : OR-03-113023

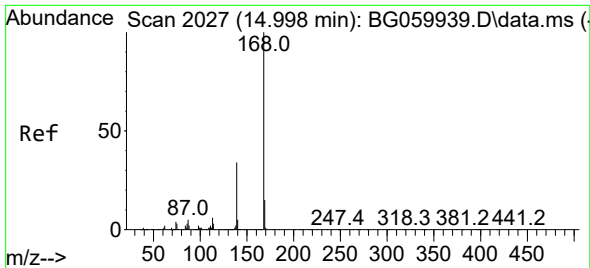
Tgt Ion	Resp	Lower	Upper
165	61789		
63	1.6	47.2	70.8#
89	3.2	57.1	85.7#



#52
 Acenaphthene
 Concen: 4.414 ng
 RT: 14.656 min Scan# 1969
 Delta R.T. -0.007 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

Tgt Ion	Resp	Lower	Upper
154	116715		
153	110.3	95.8	143.6
152	49.4	45.0	67.4



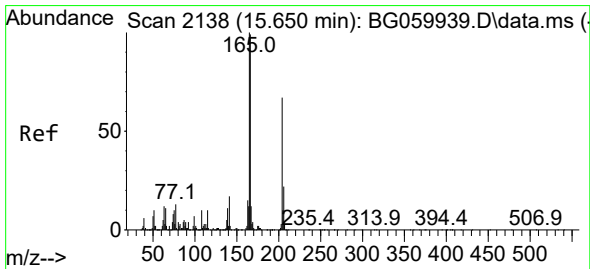
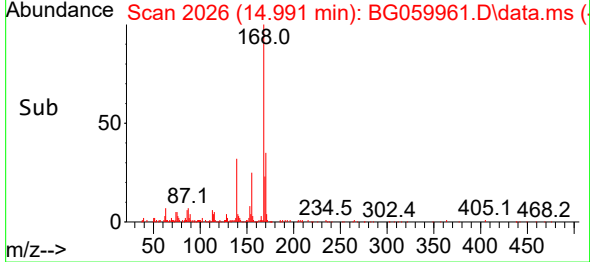
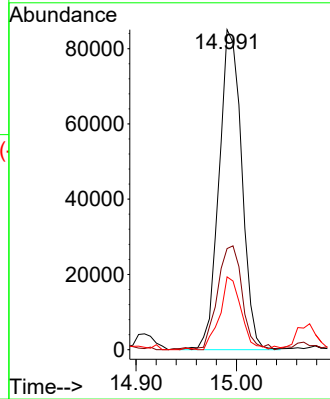
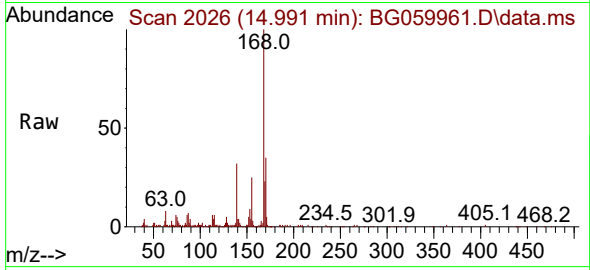


#55
 Dibenzofuran
 Concen: 2.996 ng
 RT: 14.991 min Scan# 20
 Delta R.T. -0.007 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-113023

Tgt Ion:168 Resp: 133600

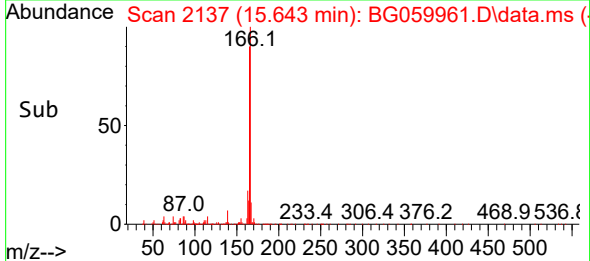
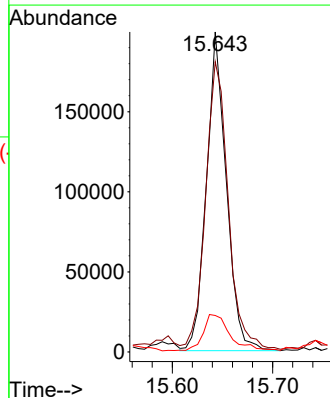
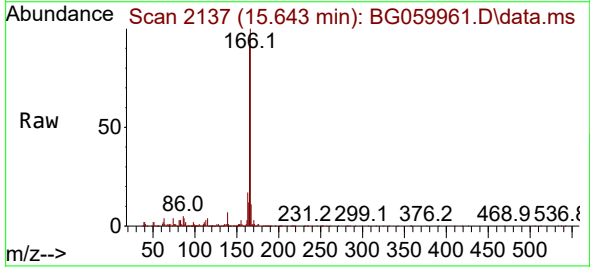
Ion	Ratio	Lower	Upper
168	100		
139	31.6	27.0	40.6
169	22.7	11.6	17.4#

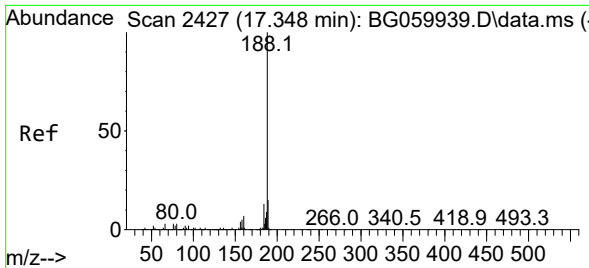


#58
 Fluorene
 Concen: 7.262 ng
 RT: 15.643 min Scan# 2137
 Delta R.T. -0.007 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

Tgt Ion:166 Resp: 275621

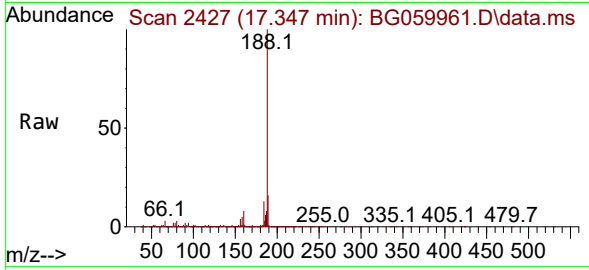
Ion	Ratio	Lower	Upper
166	100		
165	90.7	80.6	121.0
167	11.4	9.9	14.9





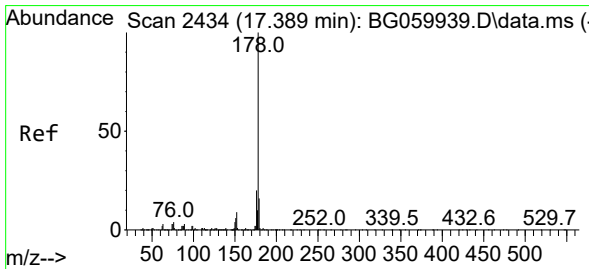
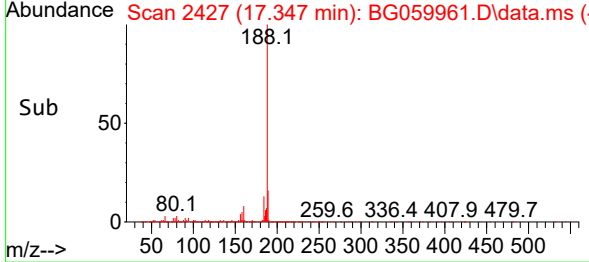
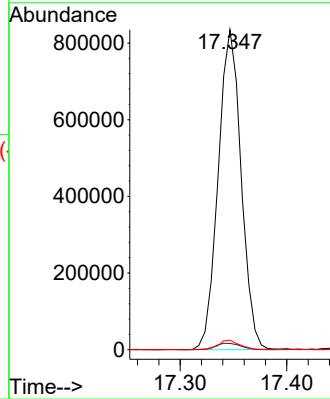
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.347 min Scan# 24
 Delta R.T. -0.002 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-113023



Tgt Ion:188 Resp: 1247515

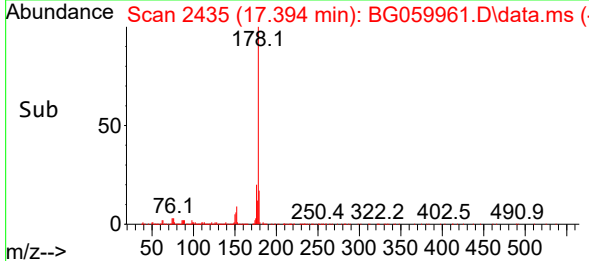
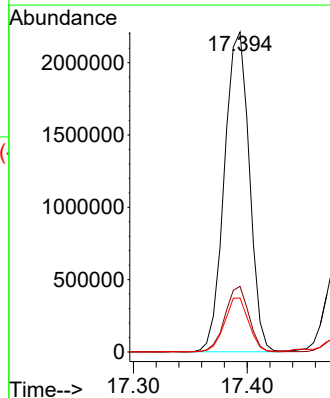
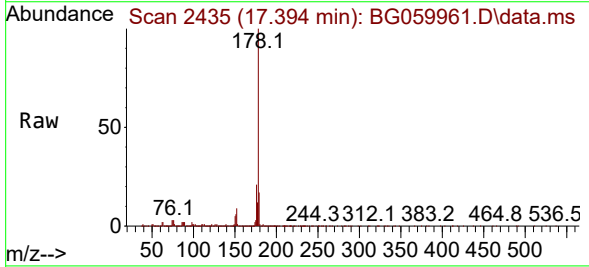
Ion	Ratio	Lower	Upper
188	100		
94	1.9	1.8	2.6
80	2.9	2.2	3.4

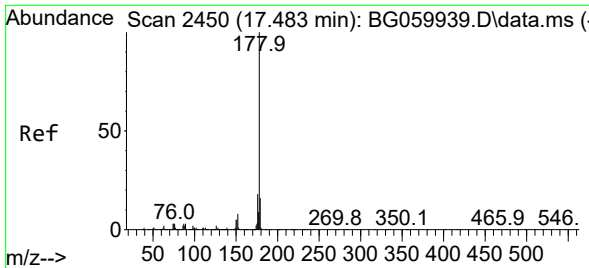


#71
 Phenanthrene
 Concen: 57.099 ng
 RT: 17.394 min Scan# 2435
 Delta R.T. 0.004 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

Tgt Ion:178 Resp: 3363517

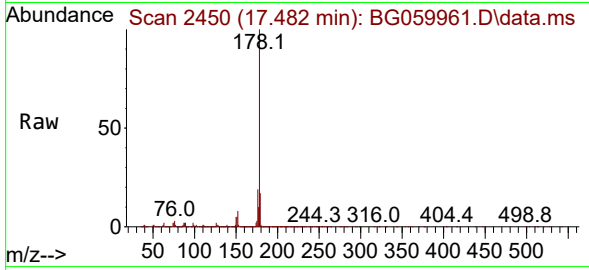
Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.8	23.8
179	16.9	12.6	19.0



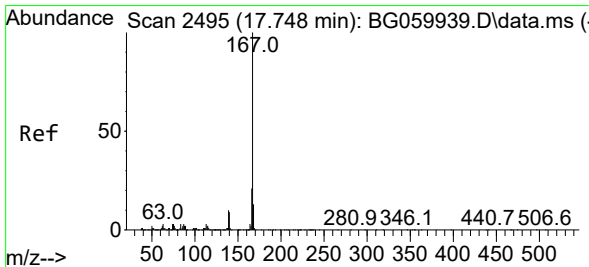
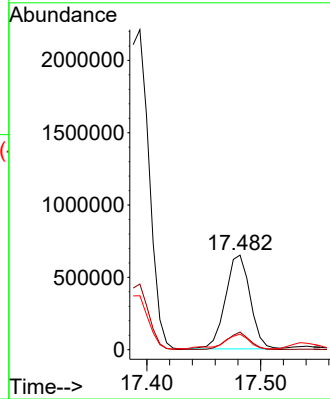
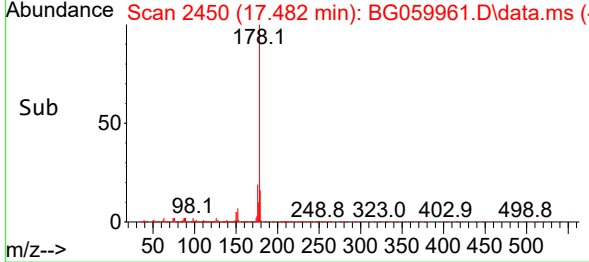


#72
 Anthracene
 Concen: 16.217 ng
 RT: 17.482 min Scan# 2450
 Delta R.T. -0.002 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

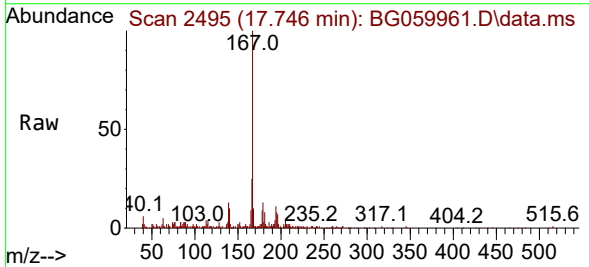
Instrument : BNA_G
 ClientSampleId : OR-03-113023



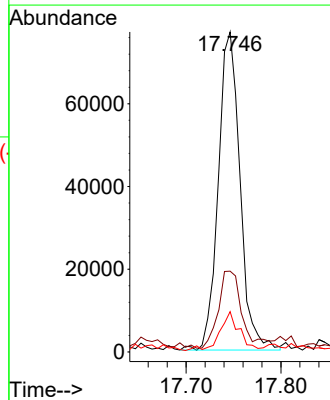
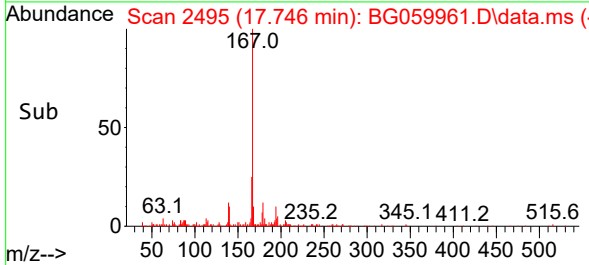
Tgt Ion:178 Resp: 976465
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.7 22.1
 179 16.5 13.2 19.8

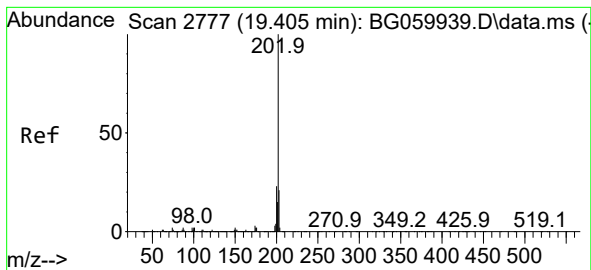


#73
 Carbazole
 Concen: 2.679 ng
 RT: 17.746 min Scan# 2495
 Delta R.T. -0.002 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51



Tgt Ion:167 Resp: 122581
 Ion Ratio Lower Upper
 167 100
 166 25.3 16.7 25.1#
 139 12.6 8.0 12.0#



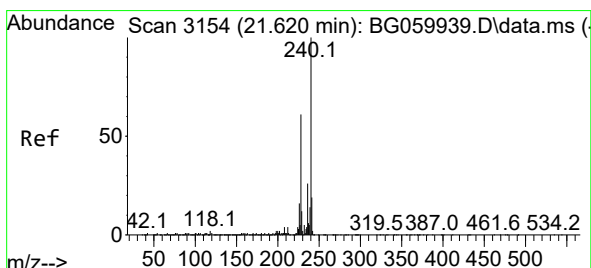
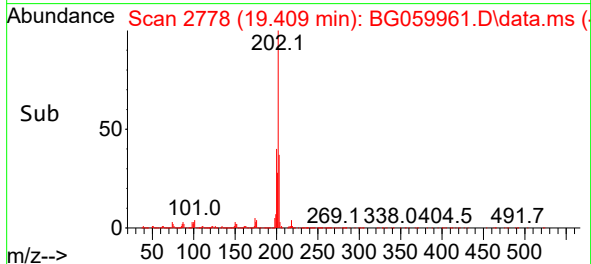
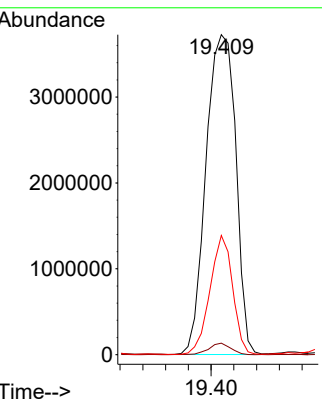
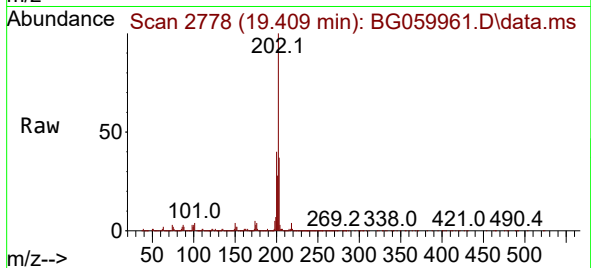


#75
 Fluoranthene
 Concen: 69.948 ng
 RT: 19.409 min Scan# 21
 Delta R.T. 0.004 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-113023

Tgt Ion:202 Resp: 6771680

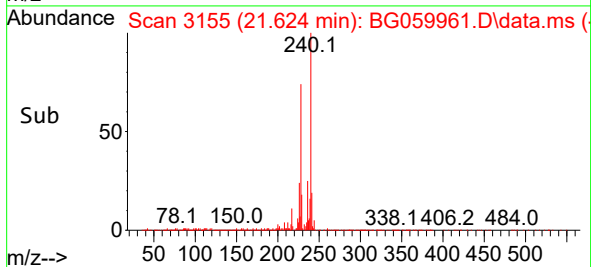
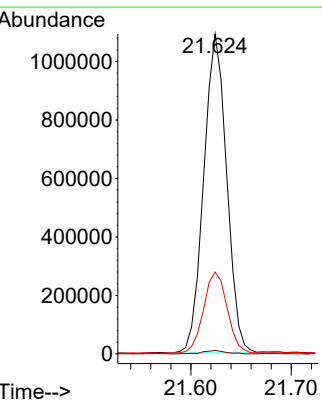
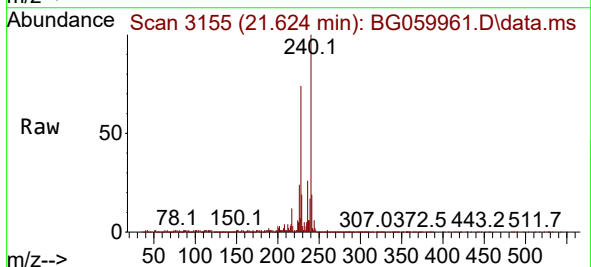
Ion	Ratio	Lower	Upper
202	100		
101	3.6	0.0	21.6
203	37.3	0.9	40.9

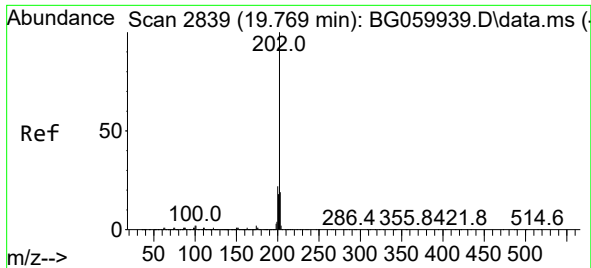


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.624 min Scan# 3155
 Delta R.T. 0.004 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

Tgt Ion:240 Resp: 1731645

Ion	Ratio	Lower	Upper
240	100		
120	1.1	1.0	1.4
236	25.6	20.8	31.2



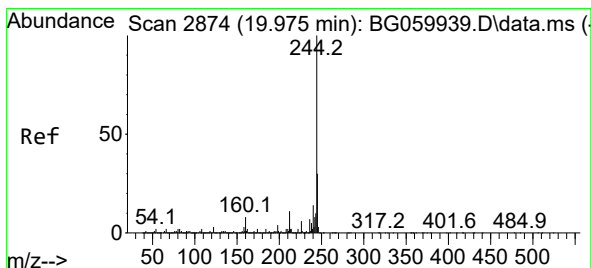
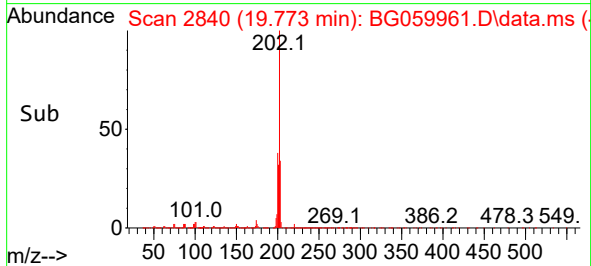
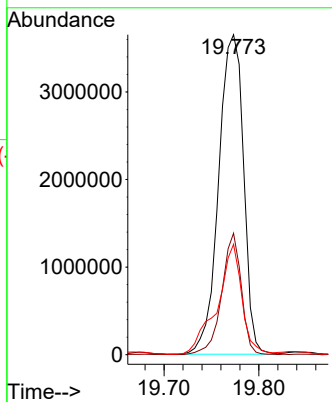
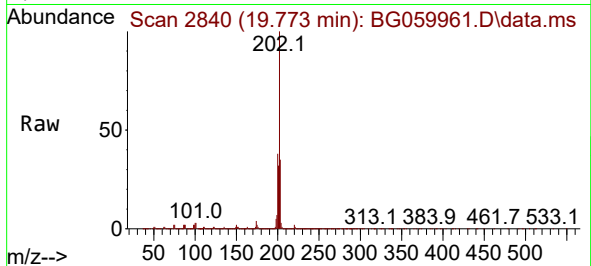


#78
 Pyrene
 Concen: 72.182 ng
 RT: 19.773 min Scan# 2839
 Delta R.T. 0.004 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

Instrument : BNA_G
 ClientSampleId : OR-03-113023

Tgt Ion:202 Resp: 6651865

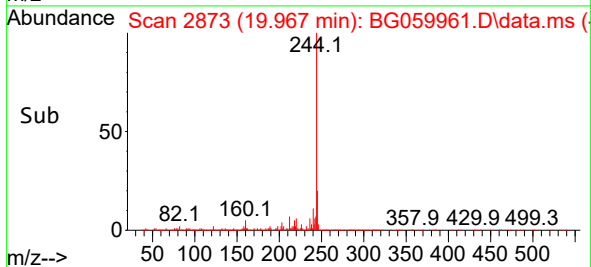
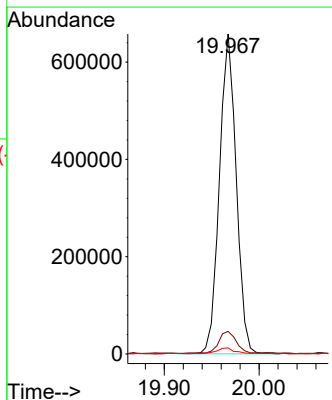
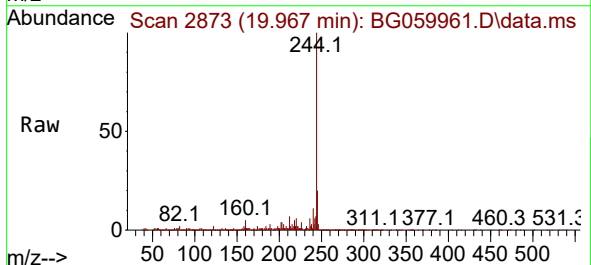
Ion	Ratio	Lower	Upper
202	100		
200	37.9	17.8	26.6#
203	34.5	15.4	23.0#

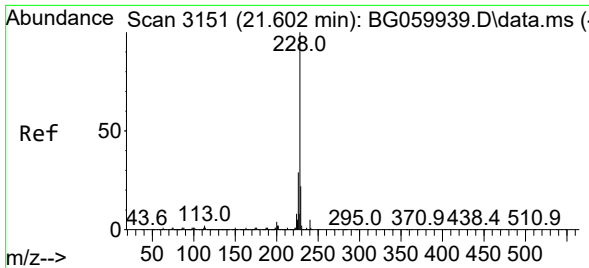


#79
 Terphenyl-d14
 Concen: 8.066 ng
 RT: 19.967 min Scan# 2873
 Delta R.T. -0.008 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

Tgt Ion:244 Resp: 810231

Ion	Ratio	Lower	Upper
244	100		
212	7.1	8.6	13.0#
122	1.9	2.1	3.1#



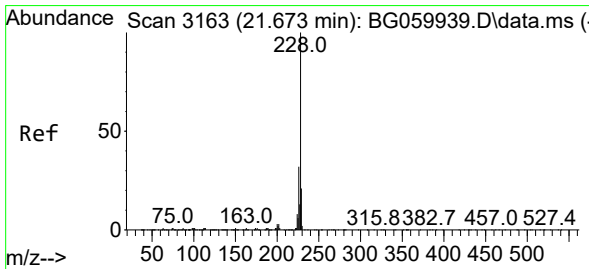
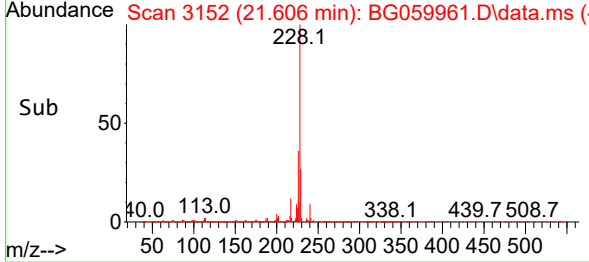
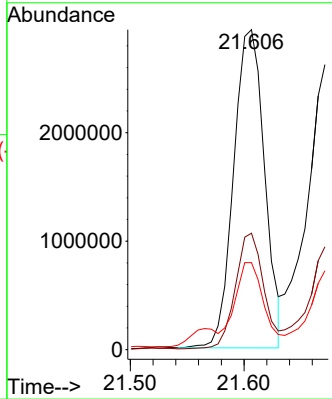
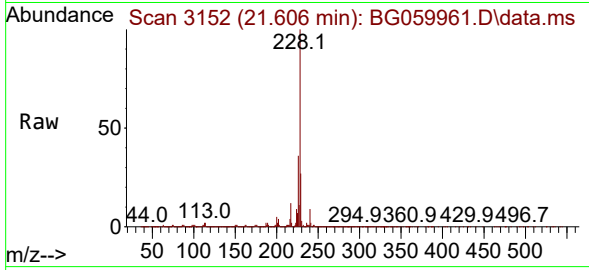


#81
 Benzo(a)anthracene
 Concen: 48.005 ng
 RT: 21.606 min Scan# 3151
 Delta R.T. 0.004 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

Instrument : BNA_G
 ClientSampleId : OR-03-113023

Tgt Ion:228 Resp: 5546307

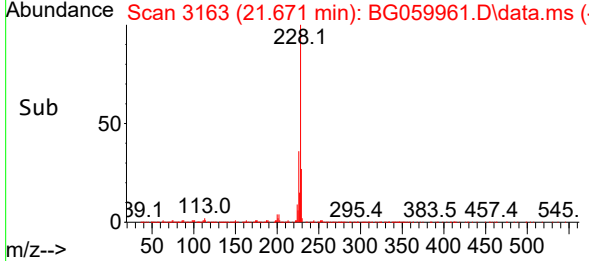
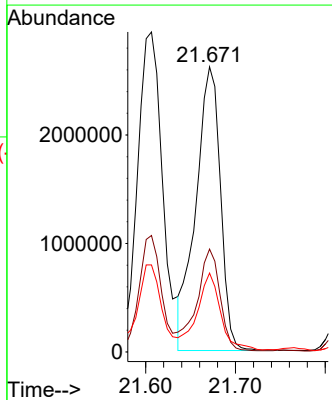
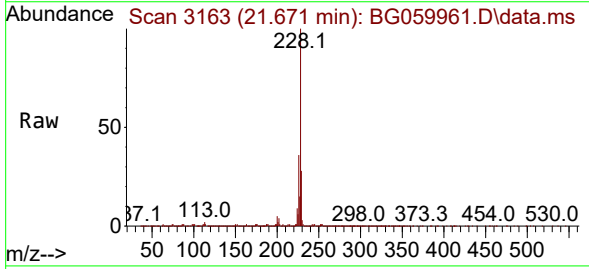
Ion	Ratio	Lower	Upper
228	100		
226	36.4	23.4	35.2#
229	27.2	17.4	26.2#

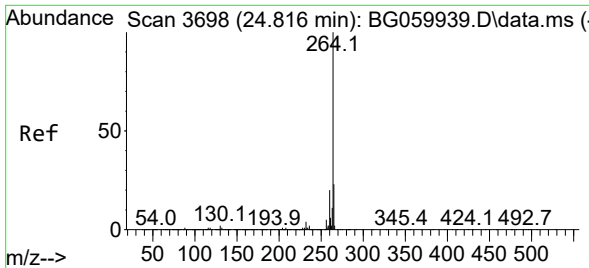


#83
 Chrysene
 Concen: 46.030 ng
 RT: 21.671 min Scan# 3163
 Delta R.T. -0.002 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

Tgt Ion:228 Resp: 4986090

Ion	Ratio	Lower	Upper
228	100		
226	36.1	25.4	38.2
229	27.7	17.1	25.7#



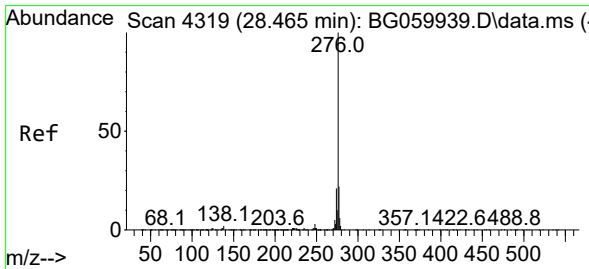
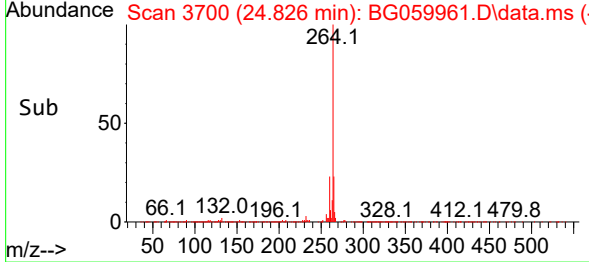
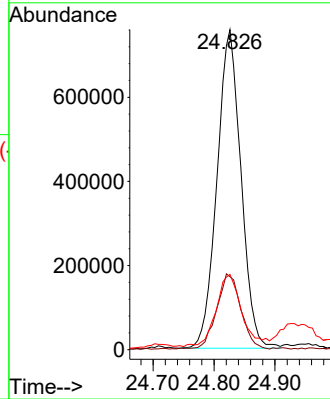
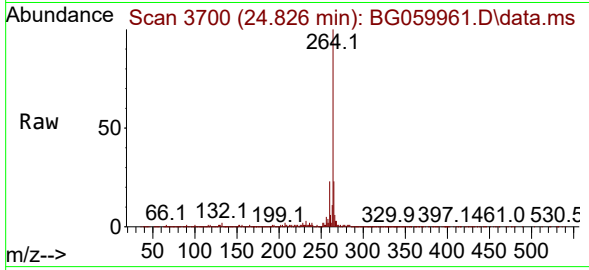


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.826 min Scan# 31
 Delta R.T. 0.010 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-113023

Tgt Ion:264 Resp: 2069199

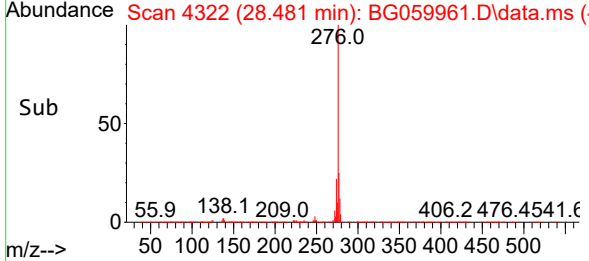
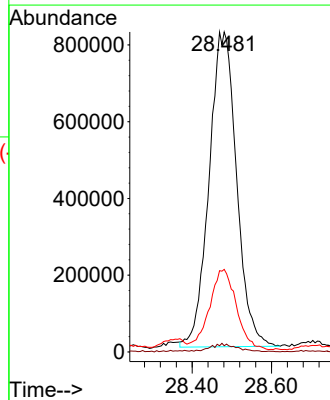
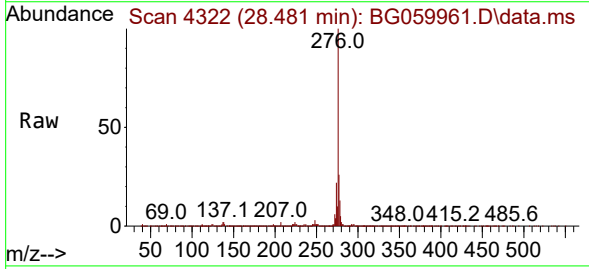
Ion	Ratio	Lower	Upper
264	100		
260	22.8	15.8	23.6
265	23.5	18.1	27.1

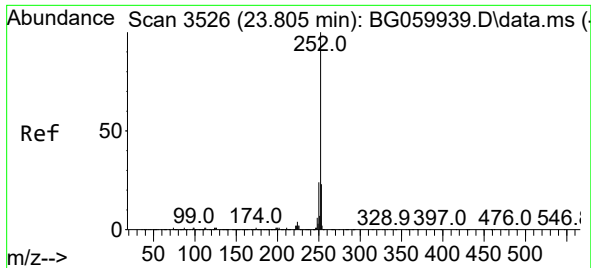


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 25.886 ng
 RT: 28.481 min Scan# 4322
 Delta R.T. 0.016 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

Tgt Ion:276 Resp: 3955346

Ion	Ratio	Lower	Upper
276	100		
138	2.3	0.0	0.0#
277	25.0	19.9	29.9



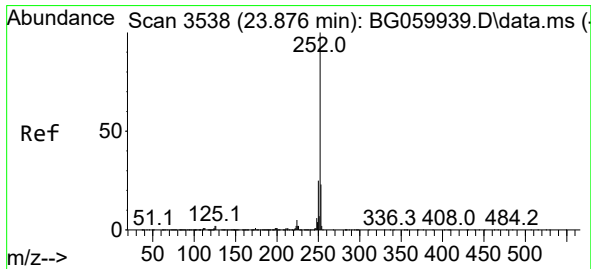
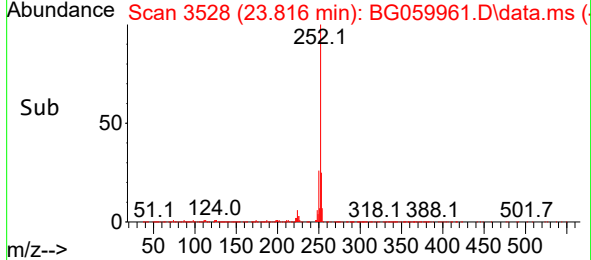
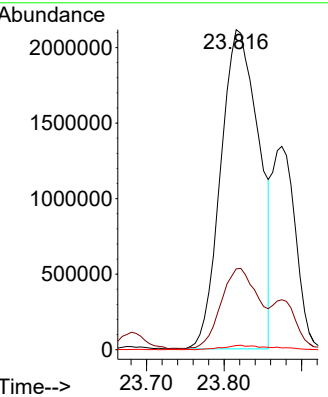
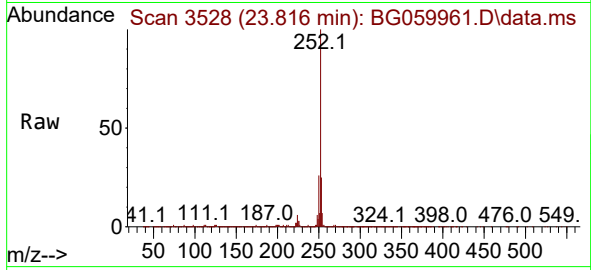


#88
 Benzo(b)fluoranthene
 Concen: 56.609 ng
 RT: 23.816 min Scan# 3528
 Delta R.T. 0.010 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

Instrument : BNA_G
 ClientSampleId : OR-03-113023

Tgt Ion:252 Resp: 7240114

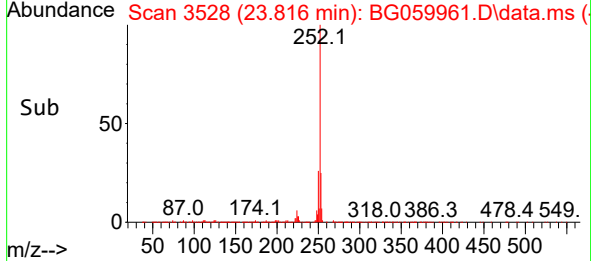
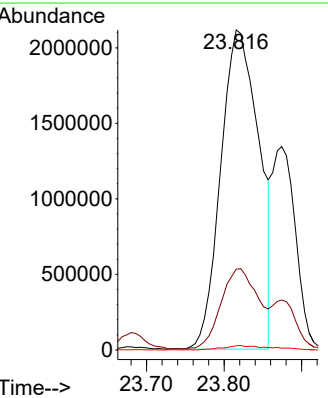
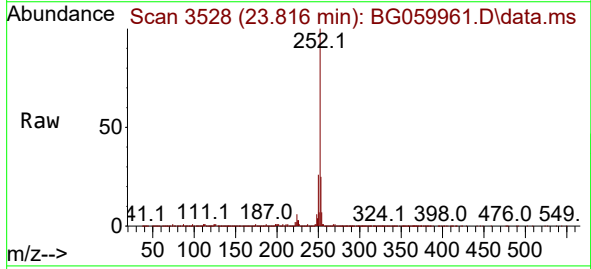
Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.5	27.7
125	1.3	1.2	1.8

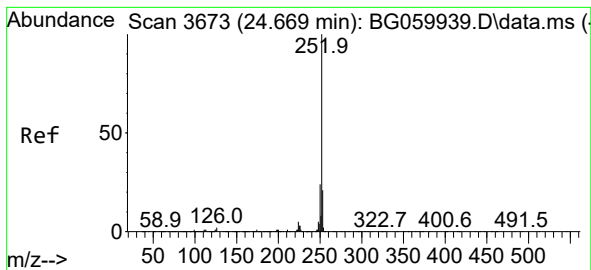


#89
 Benzo(k)fluoranthene
 Concen: 58.095 ng
 RT: 23.816 min Scan# 3528
 Delta R.T. -0.060 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

Tgt Ion:252 Resp: 7240114

Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.3	27.5
125	1.3	1.3	1.9



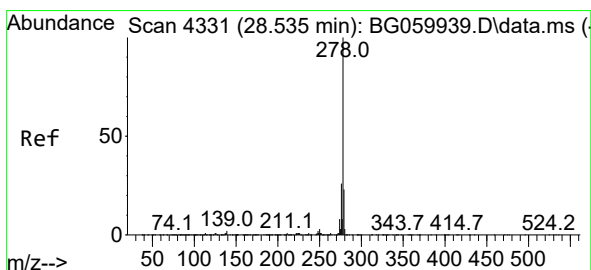
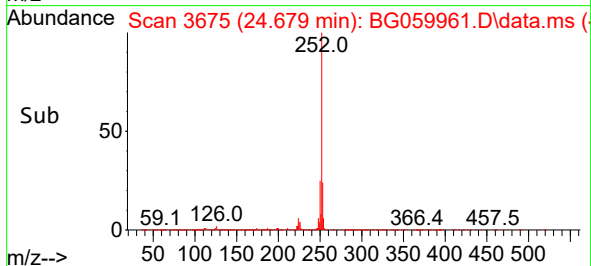
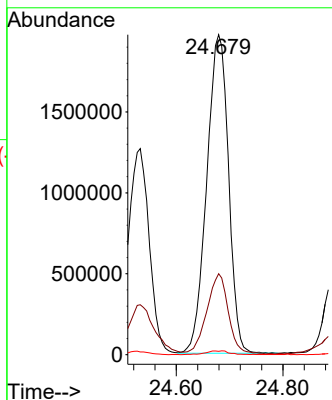
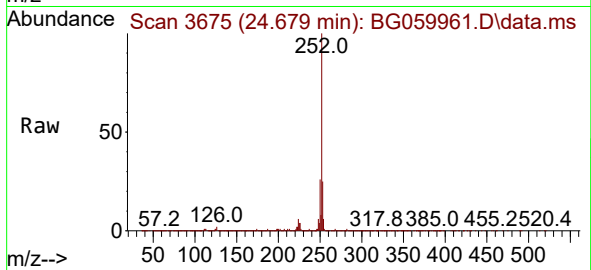


#90
 Benzo(a)pyrene
 Concen: 48.808 ng
 RT: 24.679 min Scan# 30
 Delta R.T. 0.010 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

Instrument : BNA_G
 ClientSampleId : OR-03-113023

Tgt Ion:252 Resp: 5574919

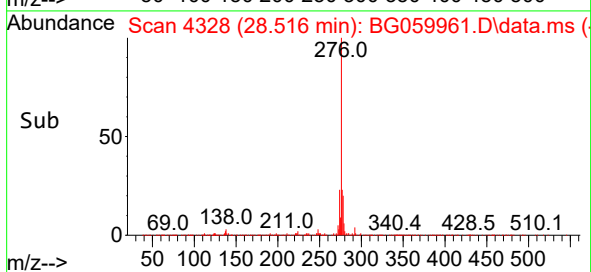
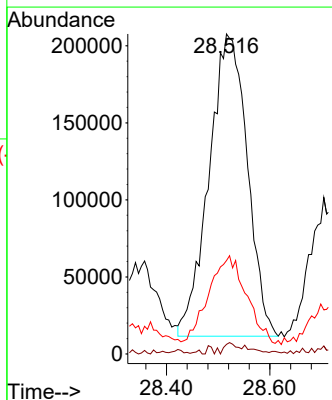
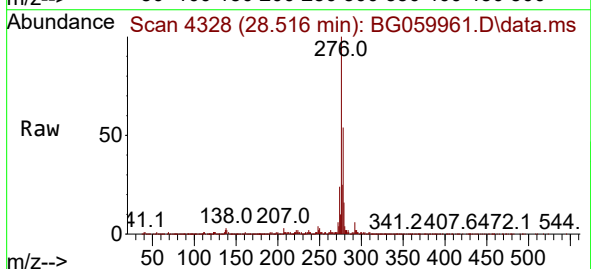
Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.0	25.6
125	1.1	0.9	1.3

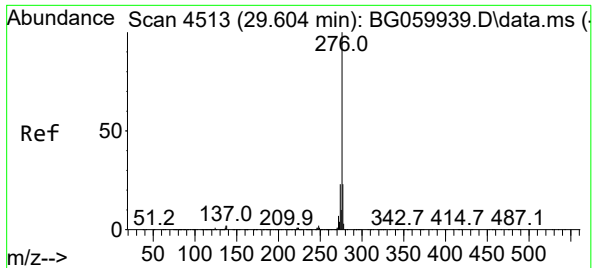


#91
 Dibenzo(a,h)anthracene
 Concen: 7.772 ng
 RT: 28.516 min Scan# 4328
 Delta R.T. -0.019 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

Tgt Ion:278 Resp: 1008255

Ion	Ratio	Lower	Upper
278	100		
139	3.0	1.7	2.5#
279	29.2	18.8	28.2#





#92
 Benzo(g,h,i)perylene
 Concen: 28.926 ng
 RT: 29.621 min Scan# 41
 Delta R.T. 0.016 min
 Lab File: BG059961.D
 Acq: 5 Dec 2023 22:51

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-113023

Tgt Ion:276 Resp: 3629276

Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.1	27.1
138	2.1	1.6	2.4

