

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042221\
 Data File : BG048850.D
 Acq On : 22 Apr 2021 17:03
 Operator : CG/JU
 Sample : M2074-17
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNPH2-B-12

Quant Time: Apr 22 17:38:38 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 20 17:33:30 2021
 Response via : Initial Calibration

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

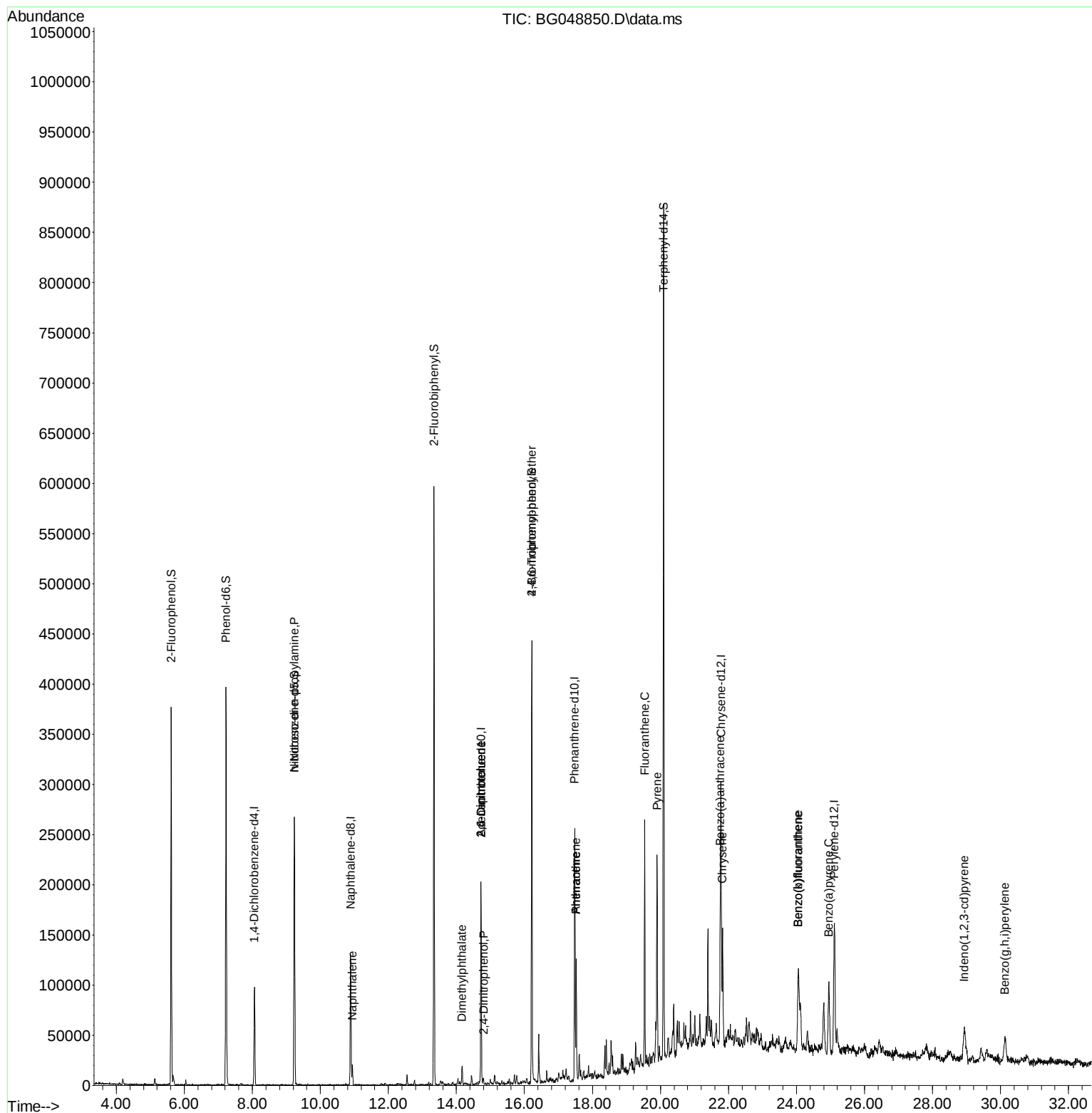
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.061	152	24598	20.00	ng	0.00
21) Naphthalene-d8	10.887	136	101735	20.00	ng	# 0.00
39) Acenaphthene-d10	14.724	164	65324	20.00	ng	0.00
64) Phenanthrene-d10	17.479	188	150309	20.00	ng	# 0.00
76) Chrysene-d12	21.780	240	130566	20.00	ng	0.00
86) Perylene-d12	25.112	264	131156	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.611	112	143124	97.32	ng	0.00
7) Phenol-d6	7.227	99	192196	92.39	ng	0.00
23) Nitrobenzene-d5	9.236	82	150657	66.30	ng	0.00
42) 2,4,6-Tribromophenol	16.216	330	71157	81.24	ng	0.00
45) 2-Fluorobiphenyl	13.343	172	295828	65.40	ng	0.00
79) Terphenyl-d14	20.094	244	379423	50.02	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.236	70	25791	18.38	ng	# 71
31) Naphthalene	10.940	128	14015	2.68	ng	95
50) Dimethylphthalate	14.166	163	10392	2.12	ng	# 90
51) 2,6-Dinitrotoluene	14.724	165	9346	8.27	ng	# 10
54) 2,4-Dinitrophenol	14.800	184	55	5.36	ng	# 1
57) 2,4-Dinitrotoluene	14.724	165	9346	5.69	ng	# 15
67) 4-Bromophenyl-phenylether	16.216	248	5203	3.01	ng	# 1
71) Phenanthrene	17.521	178	68671	8.80	ng	98
72) Anthracene	17.521	178	68671	8.90	ng	95
75) Fluoranthene	19.536	202	144839	14.68	ng	99
78) Pyrene	19.900	202	126316	13.98	ng	98
81) Benzo(a)anthracene	21.757	228	85295	9.56	ng	97
83) Chrysene	21.827	228	81456	9.58	ng	97
87) Indeno(1,2,3-cd)pyrene	28.937	276	54972	5.71	ng	# 60
88) Benzo(b)fluoranthene	24.054	252	113340	12.74	ng	# 96
89) Benzo(k)fluoranthene	24.054	252	113340	13.55	ng	# 99
90) Benzo(a)pyrene	24.953	252	78477	9.57	ng	92
92) Benzo(g,h,i)perylene	30.123	276	24602	3.02	ng	# 92

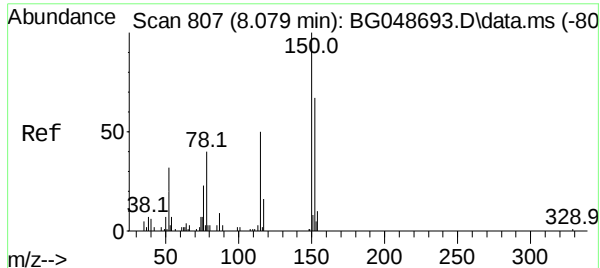
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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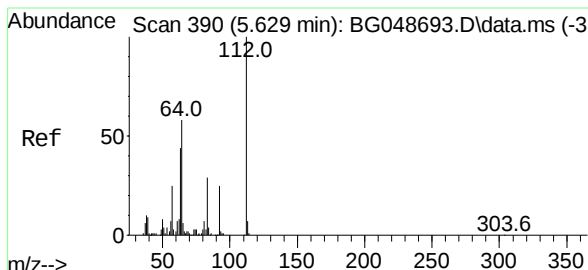
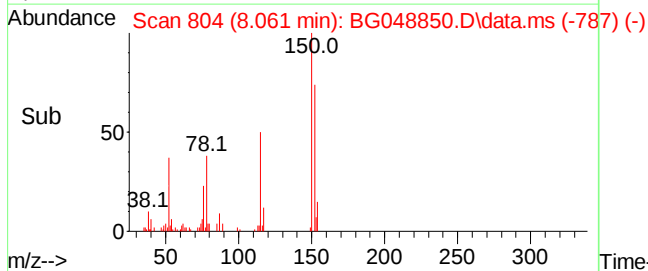
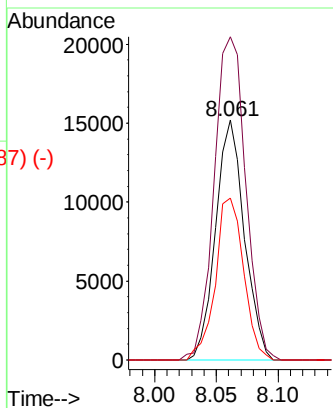
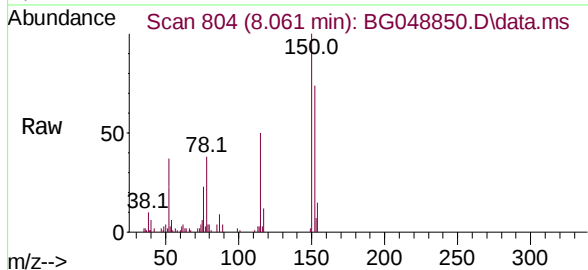




1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.061 min Scan# 804
 Delta R.T. 0.000 min
 Lab File: BG048850.D
 Acq: 22 Apr 2021 17:03

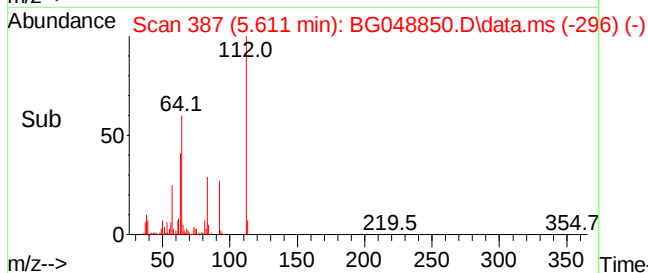
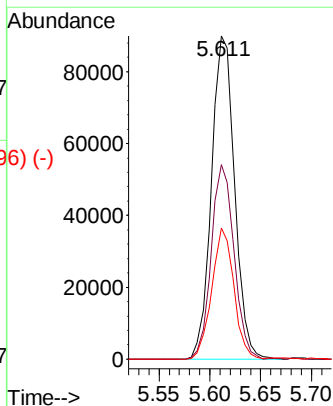
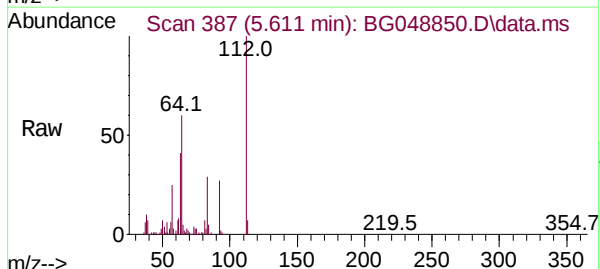
Instrument :
 BNA_G
 ClientSampleId :
 VNPH2-B-12

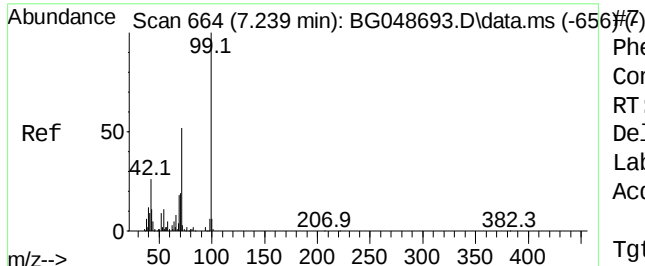
Tgt Ion:	152	Resp:	24598
Ion	Ratio	Lower	Upper
152	100		
150	134.8	119.4	179.0
115	67.5	60.2	90.4



2-Fluorophenol
 Concen: 97.32 ng
 RT: 5.611 min Scan# 387
 Delta R.T. 0.006 min
 Lab File: BG048850.D
 Acq: 22 Apr 2021 17:03

Tgt Ion:	112	Resp:	143124
Ion	Ratio	Lower	Upper
112	100		
64	60.2	46.7	70.1
63	40.6	35.3	52.9

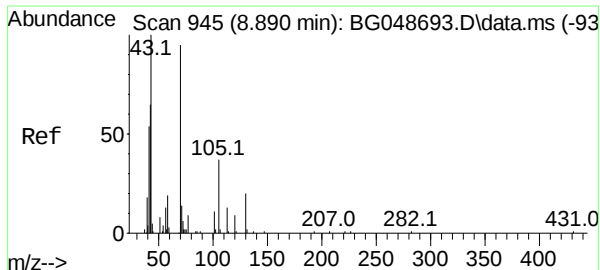
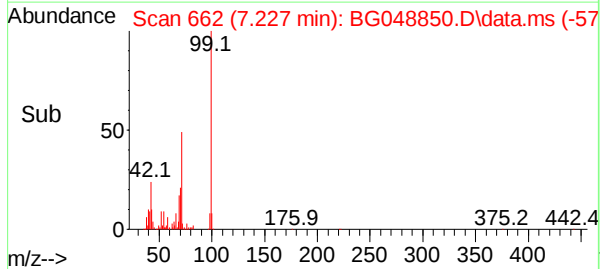
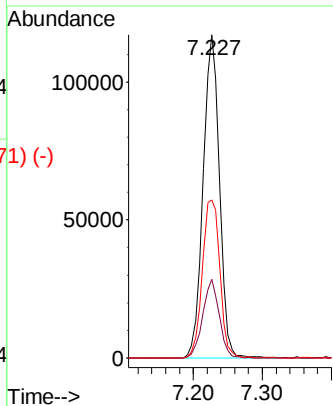
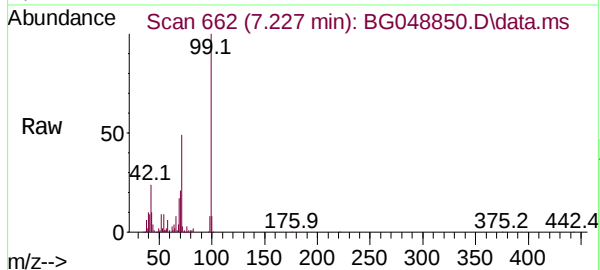




Phenol-d6
 Concen: 92.39 ng
 RT: 7.227 min Scan# 662
 Delta R.T. 0.006 min
 Lab File: BG048850.D
 Acq: 22 Apr 2021 17:03

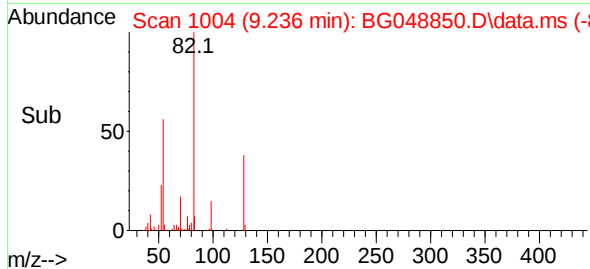
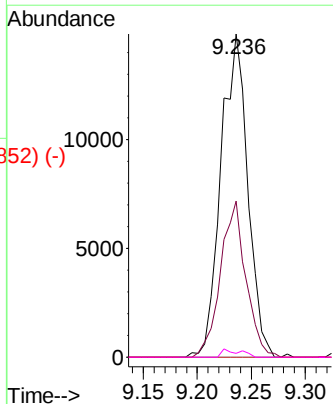
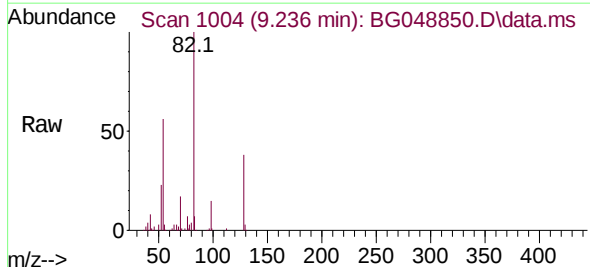
Instrument :
 BNA_G
 ClientSampleID :
 VNPH2-B-12

Tgt Ion:	99	Resp:	192196
Ion	Ratio	Lower	Upper
99	100		
42	24.3	20.5	30.7
71	49.0	41.5	62.3

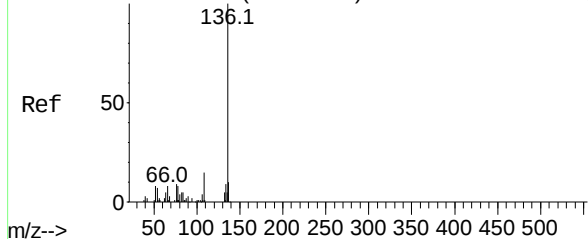


n-Nitroso-di-n-propylamine
 Concen: 18.38 ng
 RT: 9.236 min Scan# 1004
 Delta R.T. 0.364 min
 Lab File: BG048850.D
 Acq: 22 Apr 2021 17:03

Tgt Ion:	70	Resp:	25791
Ion	Ratio	Lower	Upper
70	100		
42	48.3	54.5	81.7#
101	0.0	9.0	13.6#
130	1.1	17.0	25.6#



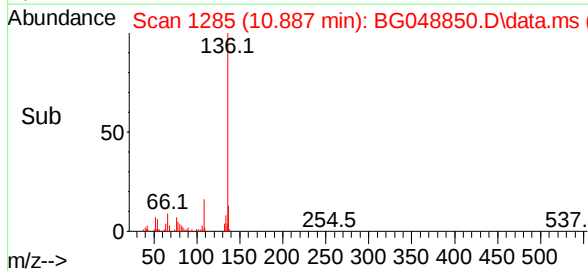
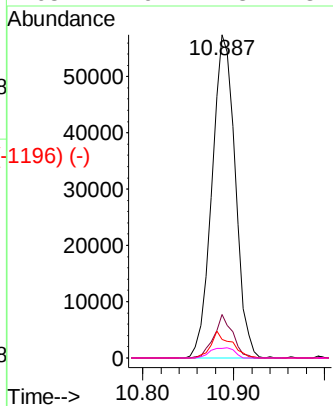
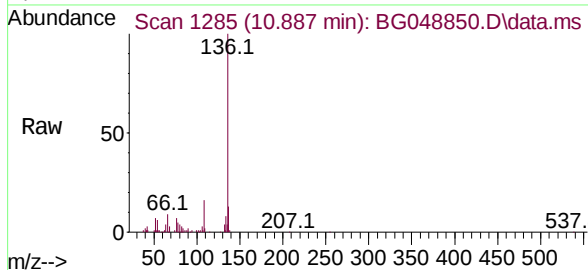
Abundance Scan 1289 (10.911 min): BG048693.D\data.ms (-1281)



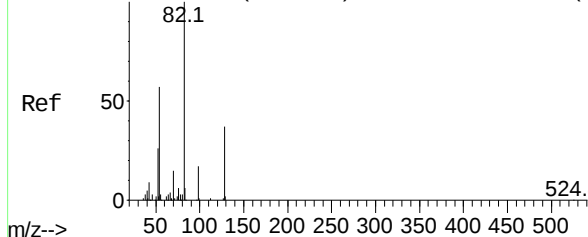
Naphthalene-d8
Concen: 20.00 ng
RT: 10.887 min Scan# 1285
Delta R.T. -0.006 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

Instrument :
BNA_G
ClientSampleId :
VNPH2-B-12

Tgt Ion:	136	Resp:	101735
Ion	Ratio	Lower	Upper
136	100		
137	13.4	8.2	12.2#
54	5.7	5.5	8.3
68	2.9	2.3	3.5

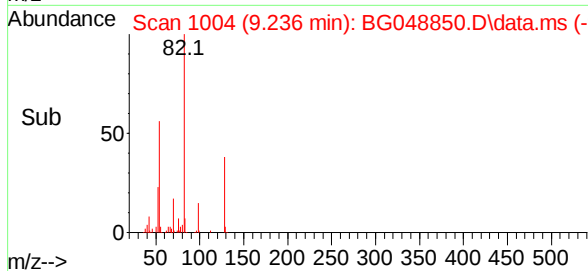
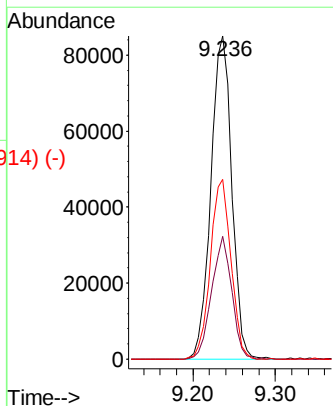
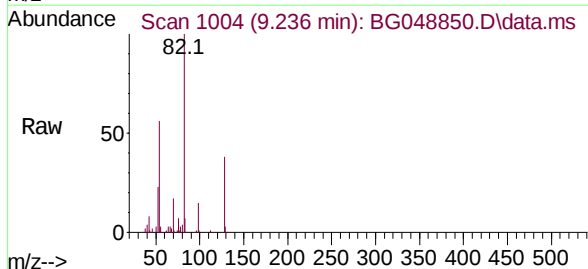


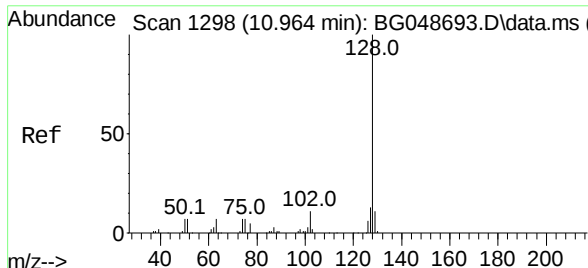
Abundance Scan 1007 (9.254 min): BG048693.D\data.ms (-1003)



Nitrobenzene-d5
Concen: 66.30 ng
RT: 9.236 min Scan# 1004
Delta R.T. -0.000 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

Tgt Ion:	82	Resp:	150657
Ion	Ratio	Lower	Upper
82	100		
128	37.9	29.8	44.6
54	55.7	45.8	68.8

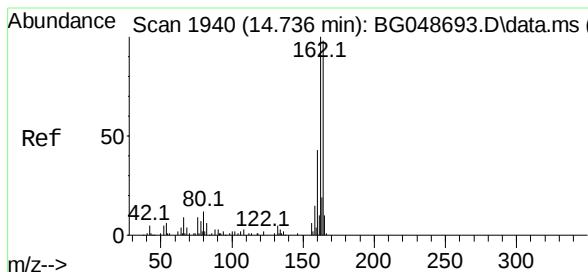
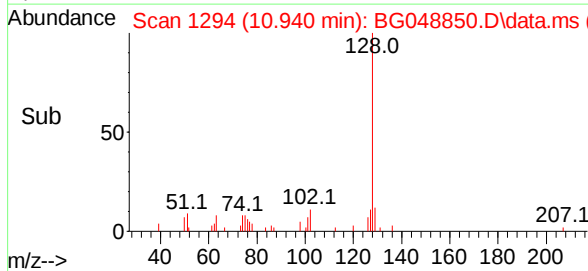
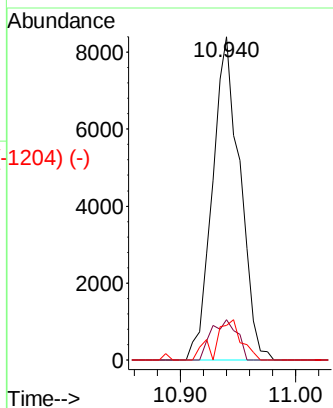
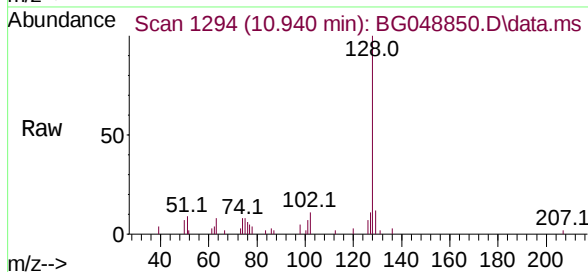




Naphthalene
Concen: 2.68 ng
RT: 10.940 min Scan# 1294
Delta R.T. -0.000 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

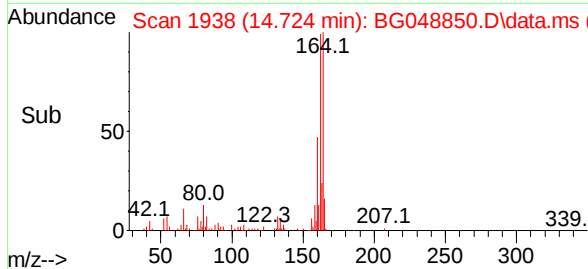
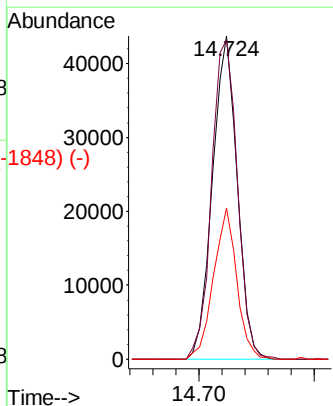
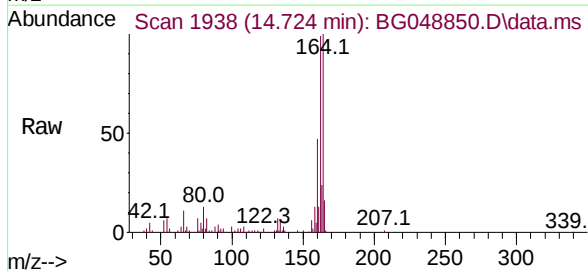
Instrument :
BNA_G
ClientSampleId :
VNPH2-B-12

Tgt Ion:	128	Resp:	14015
Ion	Ratio	Lower	Upper
128	100		
129	12.4	8.5	12.7
127	10.7	10.2	15.4



Acenaphthene-d10
Concen: 20.00 ng
RT: 14.724 min Scan# 1938
Delta R.T. -0.000 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

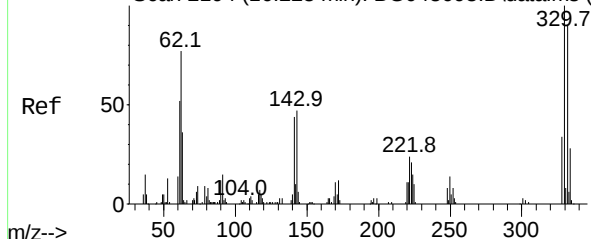
Tgt Ion:	164	Resp:	65324
Ion	Ratio	Lower	Upper
164	100		
162	98.8	81.4	122.0
160	46.7	34.9	52.3



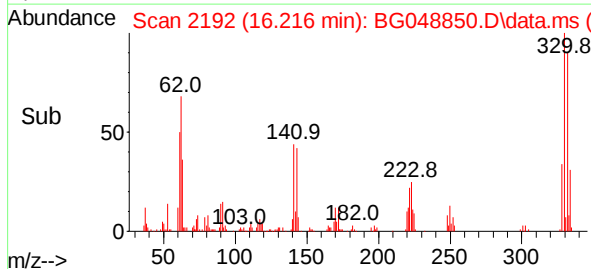
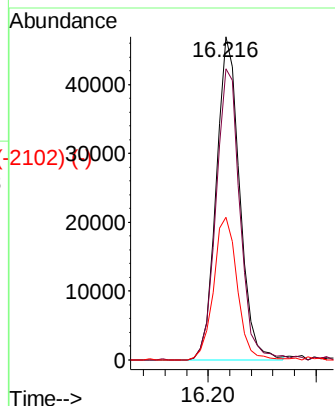
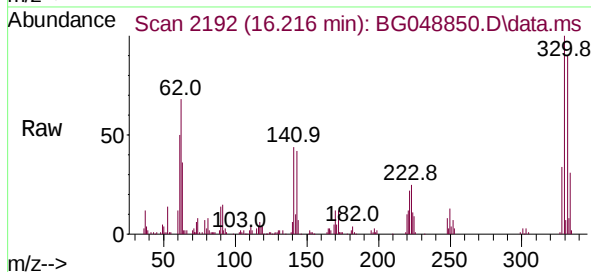
Abundance Scan 2194 (16.228 min): BG048693.D\data.ms (-1642) (-)

2,4,6-Tribromophenol
Concen: 81.24 ng
RT: 16.216 min Scan# 2192
Delta R.T. -0.000 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

Instrument :
BNA_G
ClientSampled :
VNPH2-B-12

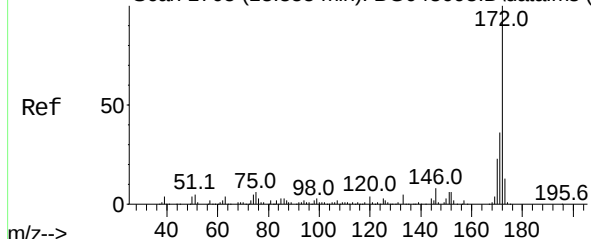


Tgt Ion:	330	Resp:	71157
Ion	Ratio	Lower	Upper
330	100		
332	92.2	77.3	115.9
141	44.5	35.6	53.4

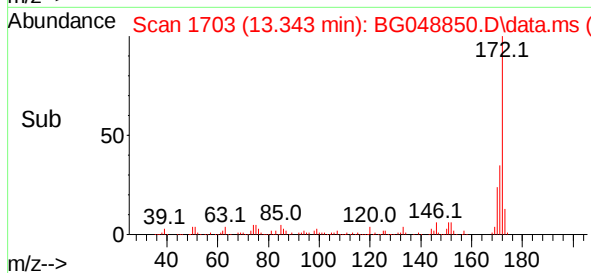
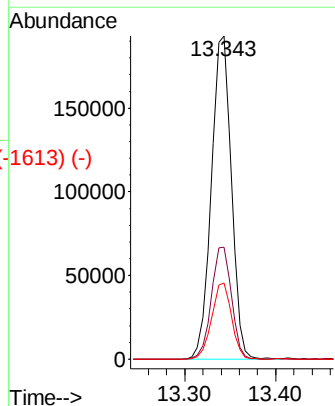
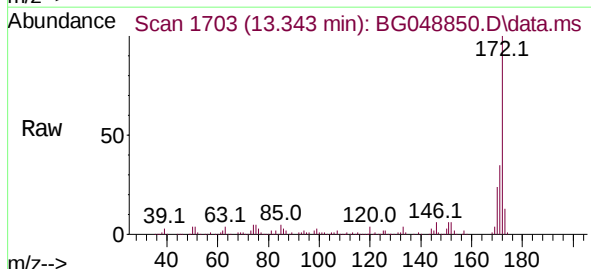


Abundance Scan 1705 (13.355 min): BG048693.D\data.ms (-1645) (-)

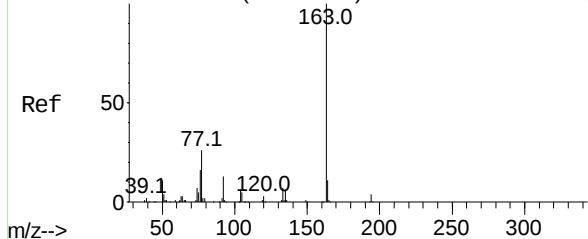
2-Fluorobiphenyl
Concen: 65.40 ng
RT: 13.343 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03



Tgt Ion:	172	Resp:	295828
Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.6	43.0
170	23.6	18.6	27.8



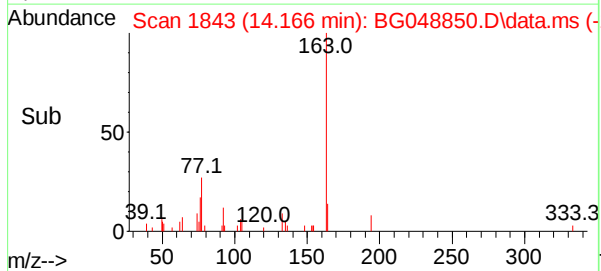
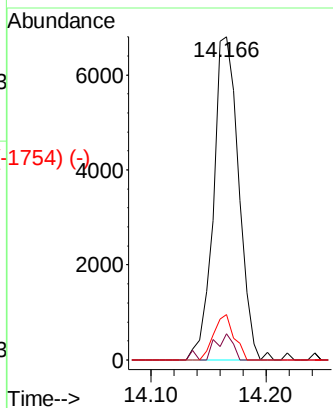
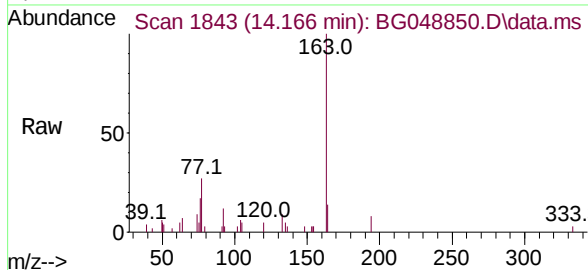
Abundance Scan 1846 (14.183 min): BG048693.D\data.ms (-1650) (-)



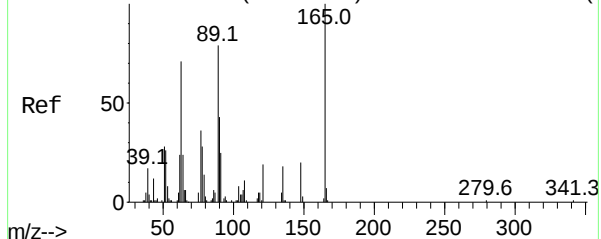
Dimethylphthalate
Concen: 2.12 ng
RT: 14.166 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

Instrument :
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ClientSampleId :
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Tgt Ion:	163	Resp:	10392
Ion Ratio	Lower	Upper	
163	100		
194	8.1	3.0	4.6#
164	14.1	8.6	12.8#

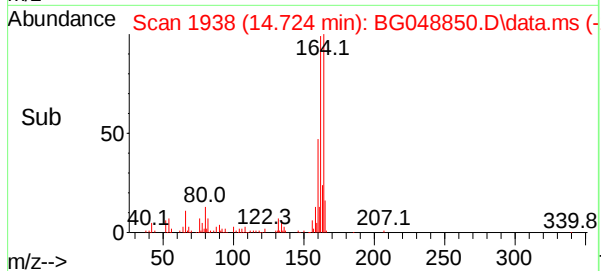
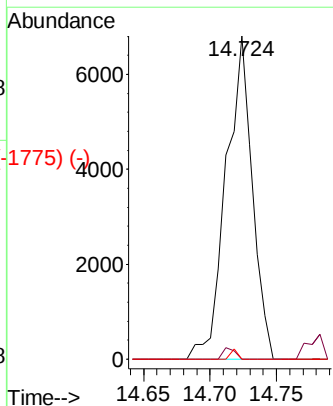
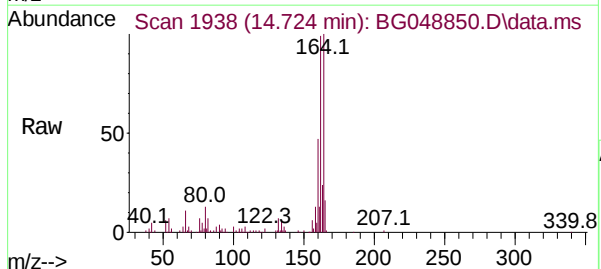


Abundance Scan 1867 (14.307 min): BG048693.D\data.ms (-1650) (-)



2,6-Dinitrotoluene
Concen: 8.27 ng
RT: 14.724 min Scan# 1938
Delta R.T. 0.429 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

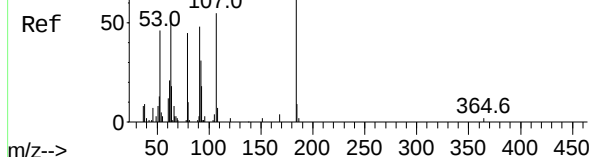
Tgt Ion:	165	Resp:	9346
Ion Ratio	Lower	Upper	
165	100		
63	0.0	63.3	94.9#
89	0.0	63.4	95.0#



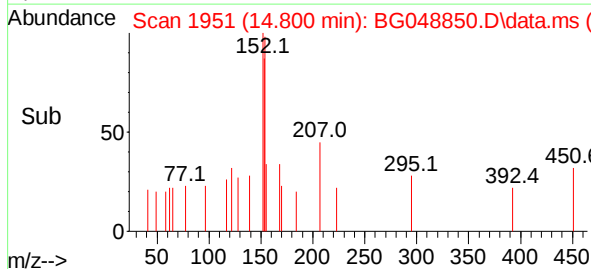
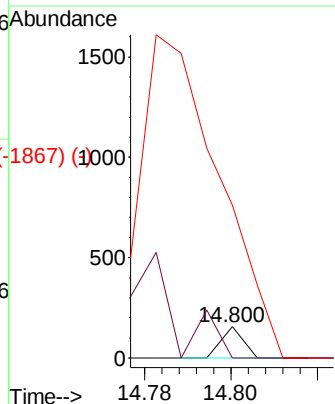
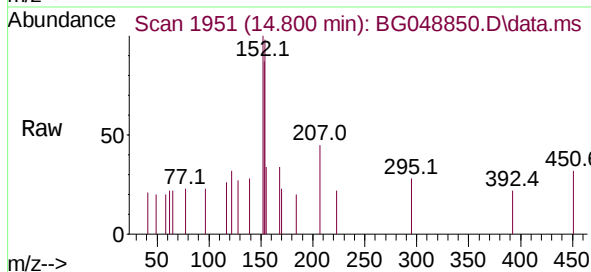
Abundance Scan 1959 (14.847 min): BG048693.D\data.ms (-1959) (-)

2,4-Dinitrophenol
Concen: 5.36 ng
RT: 14.800 min Scan# 1951
Delta R.T. -0.035 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

Instrument :
BNA_G
ClientSampled :
VNPH2-B-12



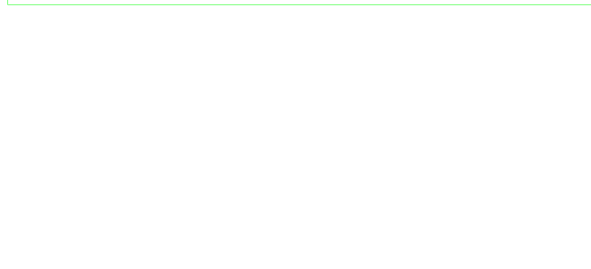
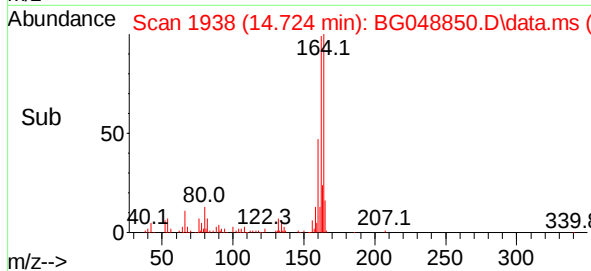
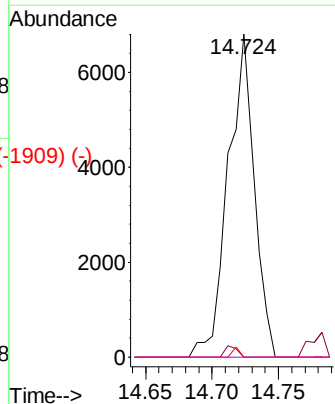
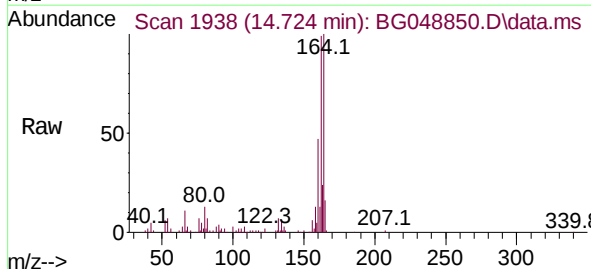
Tgt Ion:	184	Resp:	55
Ion	Ratio	Lower	Upper
184	100		
63	0.0	68.3	102.5#
154	491.6	62.6	93.8#



Abundance Scan 2002 (15.100 min): BG048693.D\data.ms (-1957) (-)

2,4-Dinitrotoluene
Concen: 5.69 ng
RT: 14.724 min Scan# 1938
Delta R.T. -0.359 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

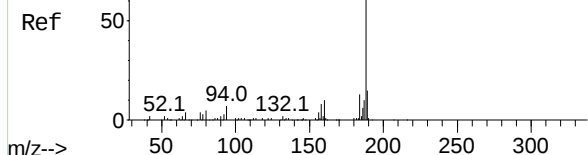
Tgt Ion:	165	Resp:	9346
Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.0	72.0#
89	0.0	65.4	98.0#
182	0.0	2.0	3.0#



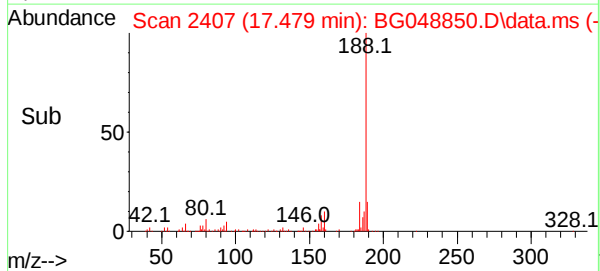
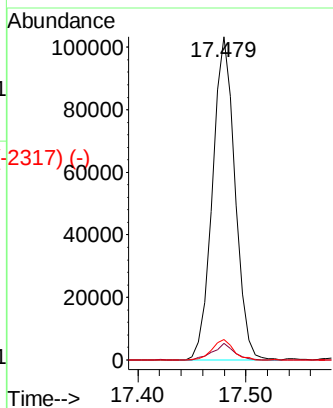
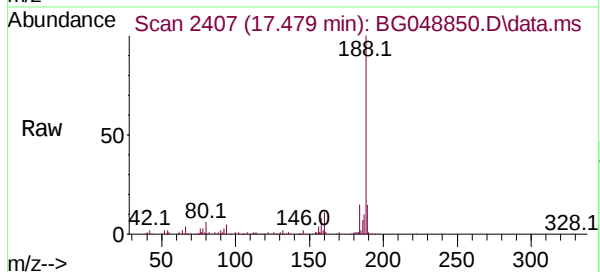
Abundance Scan 2410 (17.497 min): BG048693.D\data.ms (-2402) (-)

Phenanthrene-d10
Concen: 20.00 ng
RT: 17.479 min Scan# 2407
Delta R.T. -0.000 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

Instrument :
BNA_G
ClientSampleId :
VNPH2-B-12

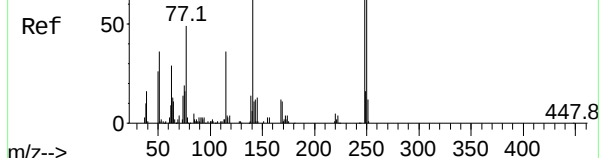


Tgt Ion:	188	Resp:	150309
Ion	Ratio	Lower	Upper
188	100		
94	5.1	5.4	8.0#
80	6.3	3.7	5.5#

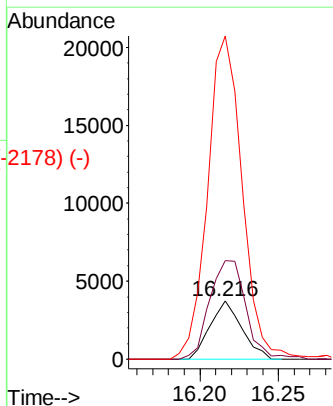
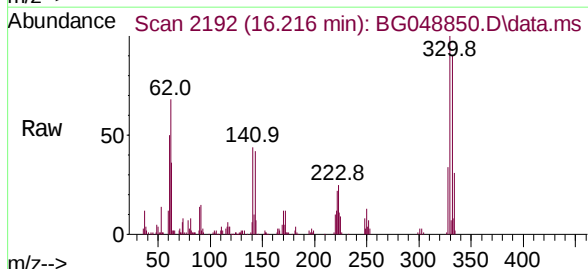


Abundance Scan 2270 (16.674 min): BG048693.D\data.ms (-2267) (-)

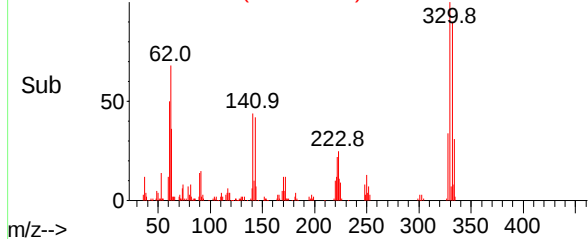
4-Bromophenyl-phenylether
Concen: 3.01 ng
RT: 16.216 min Scan# 2192
Delta R.T. -0.447 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03



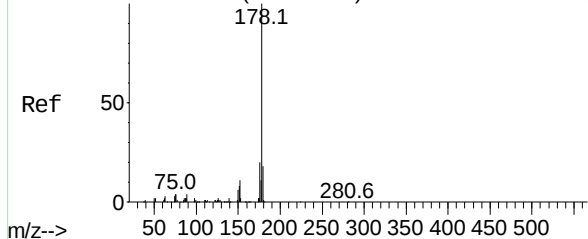
Tgt Ion:	248	Resp:	5203
Ion	Ratio	Lower	Upper
248	100		
250	169.6	76.1	114.1#
141	557.6	65.4	98.2#



Abundance Scan 2192 (16.216 min): BG048850.D\data.ms (-2178) (-)



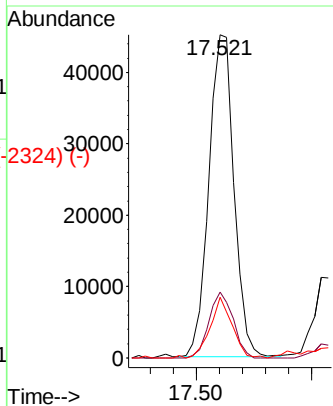
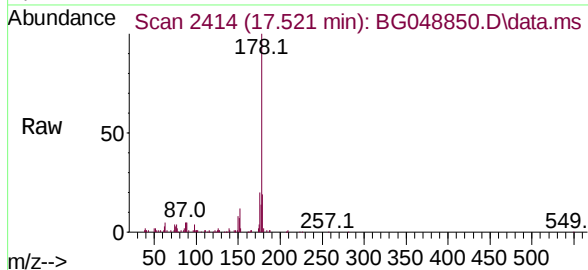
Abundance Scan 2417 (17.538 min): BG048693.D\data.ms (-2417) (-)



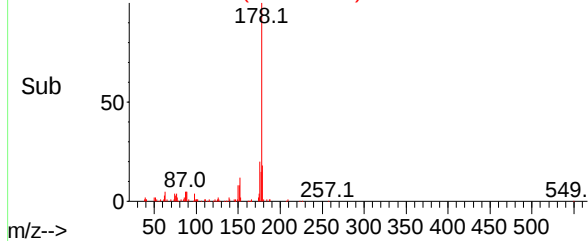
Phenanthrene
Concen: 8.80 ng
RT: 17.521 min Scan# 2414
Delta R.T. -0.000 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

Instrument :
BNA_G
ClientSampleId :
VNPH2-B-12

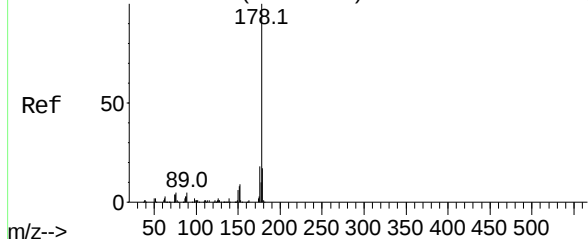
Tgt Ion:	178	Resp:	68671
Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.0	24.0
179	18.9	14.2	21.4



Abundance Scan 2414 (17.521 min): BG048850.D\data.ms (-2324) (-)

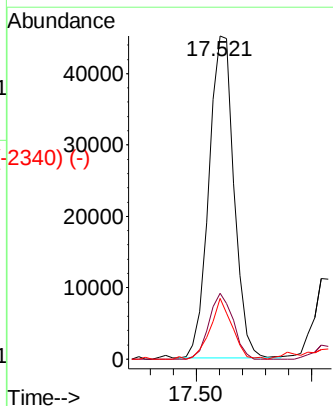
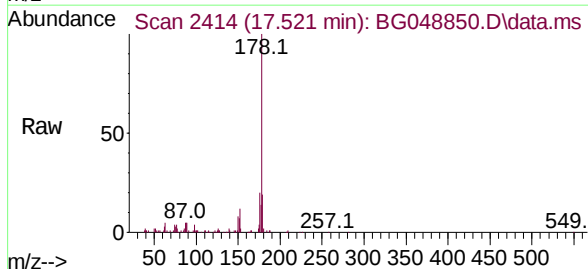


Abundance Scan 2432 (17.626 min): BG048693.D\data.ms (-2475) (-)

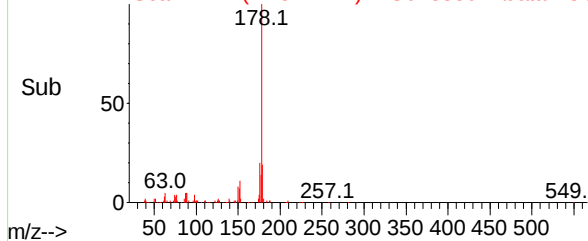


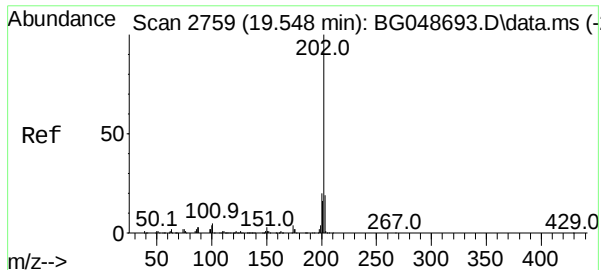
Anthracene
Concen: 8.90 ng
RT: 17.521 min Scan# 2414
Delta R.T. -0.094 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

Tgt Ion:	178	Resp:	68671
Ion	Ratio	Lower	Upper
178	100		
176	20.4	14.6	21.8
179	18.9	13.4	20.0



Abundance Scan 2414 (17.521 min): BG048850.D\data.ms (-2340) (-)

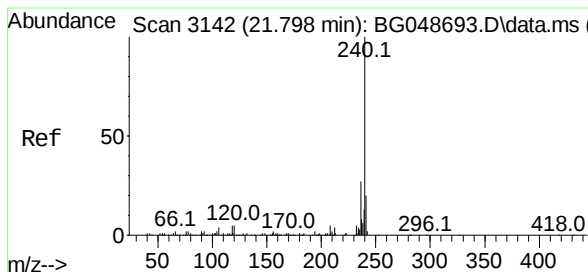
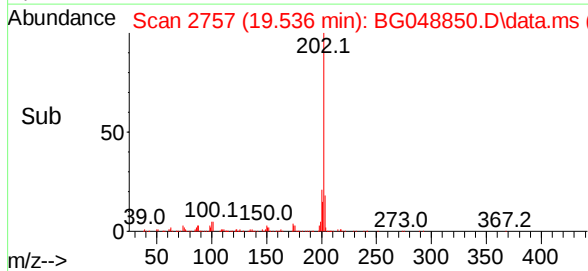
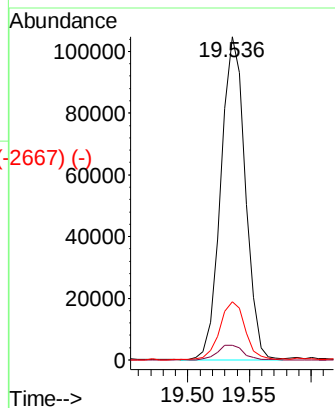
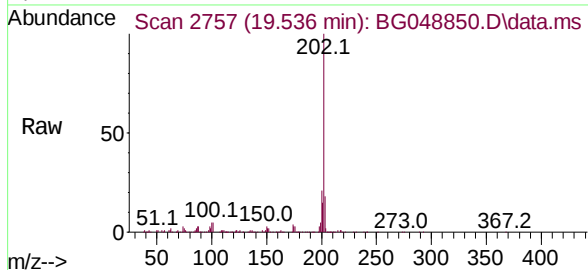




Fluoranthene
 Concen: 14.68 ng
 RT: 19.536 min Scan# 2757
 Delta R.T. -0.000 min
 Lab File: BG048850.D
 Acq: 22 Apr 2021 17:03

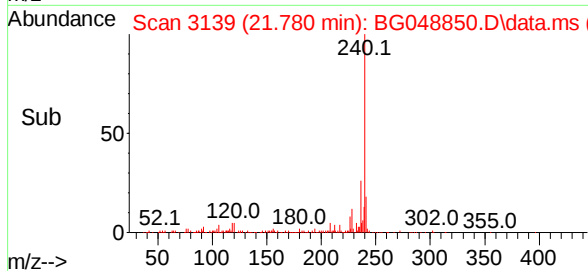
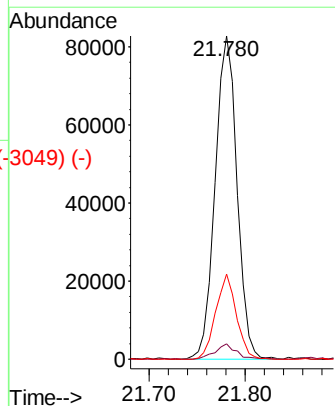
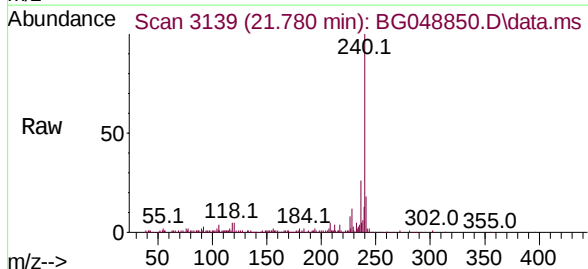
Instrument :
 BNA_G
 ClientSampleId :
 VNPH2-B-12

Tgt Ion:	202	Resp:	144839
Ion	Ratio	Lower	Upper
202	100		
101	4.5	0.0	24.7
203	18.1	0.0	38.5

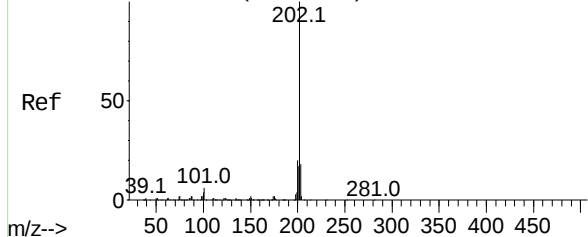


Chrysene-d12
 Concen: 20.00 ng
 RT: 21.780 min Scan# 3139
 Delta R.T. -0.000 min
 Lab File: BG048850.D
 Acq: 22 Apr 2021 17:03

Tgt Ion:	240	Resp:	130566
Ion	Ratio	Lower	Upper
240	100		
120	4.7	4.2	6.2
236	26.3	21.8	32.6



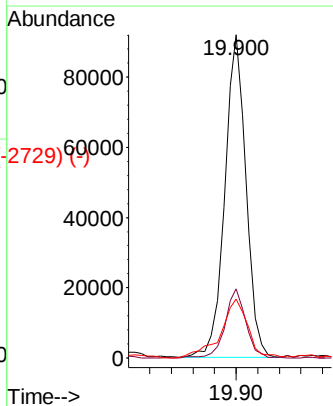
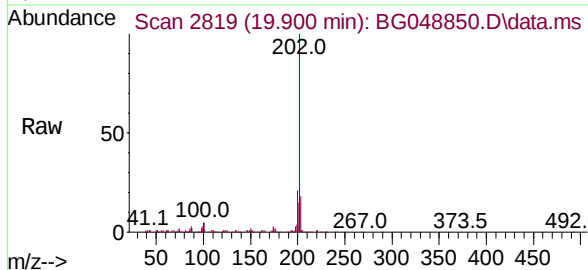
Abundance Scan 2821 (19.912 min): BG048693.D\data.ms (-2672) (-)



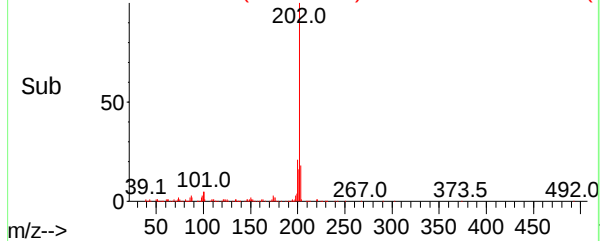
Pyrene
Concen: 13.98 ng
RT: 19.900 min Scan# 2819
Delta R.T. -0.000 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

Instrument :
BNA_G
ClientSampleId :
VNPH2-B-12

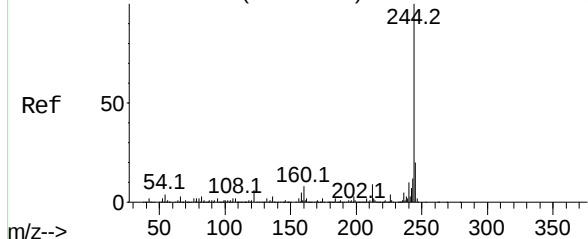
Tgt Ion:	202	Resp:	126316
Ion Ratio	Lower	Upper	
202	100		
200	21.4	15.8	23.8
203	18.2	14.6	21.8



Abundance Scan 2819 (19.900 min): BG048850.D\data.ms (-2729) (-)

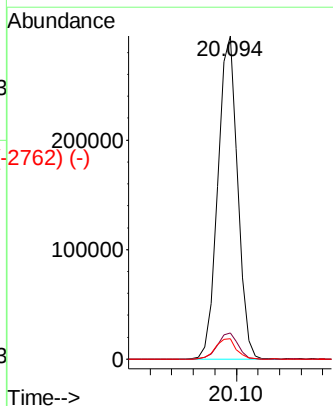
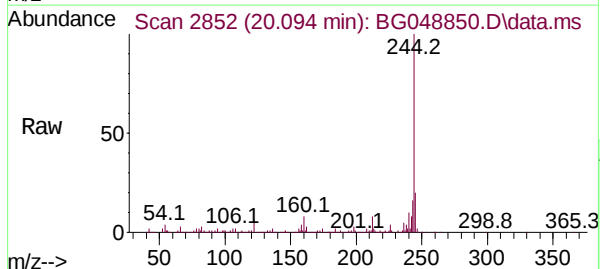


Abundance Scan 2854 (20.106 min): BG048693.D\data.ms (-2672) (-)

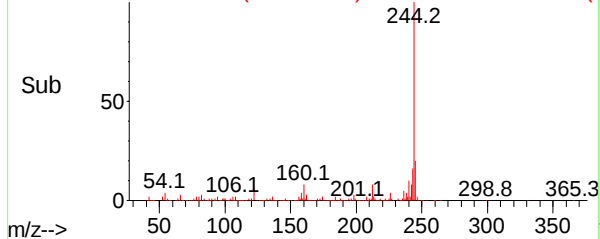


Terphenyl-d14
Concen: 50.02 ng
RT: 20.094 min Scan# 2852
Delta R.T. -0.000 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

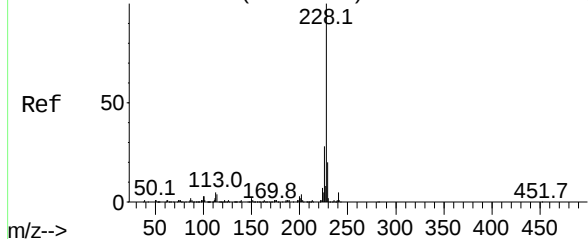
Tgt Ion:	244	Resp:	379423
Ion Ratio	Lower	Upper	
244	100		
212	8.2	6.9	10.3
122	6.3	5.0	7.6



Abundance Scan 2852 (20.094 min): BG048850.D\data.ms (-2762) (-)



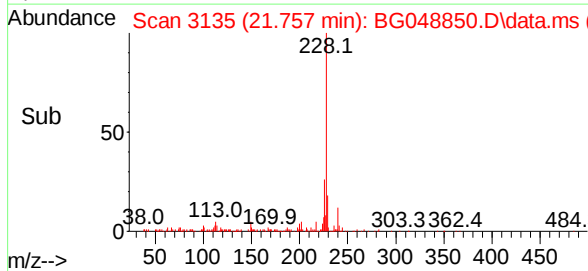
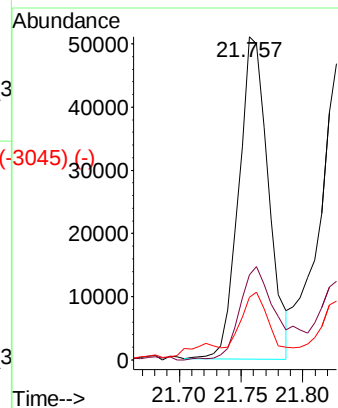
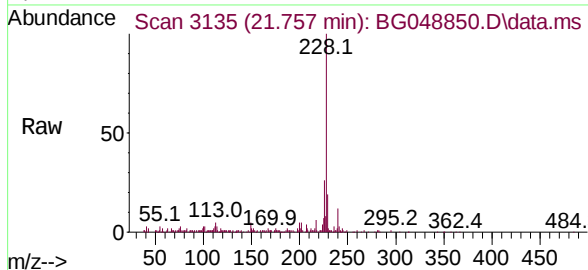
Abundance Scan 3138 (21.774 min): BG048693.D\data.ms (-3129) (-)



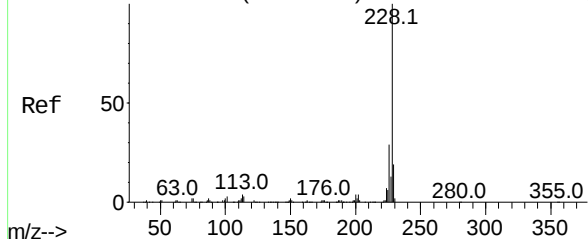
Benzo(a)anthracene
Concen: 9.56 ng
RT: 21.757 min Scan# 3135
Delta R.T. -0.000 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

Instrument :
BNA_G
ClientSampled :
VNPH2-B-12

Tgt Ion:	228	Resp:	85295
Ion Ratio	Lower	Upper	
228	100		
226	26.3	22.7	34.1
229	19.4	16.0	24.0

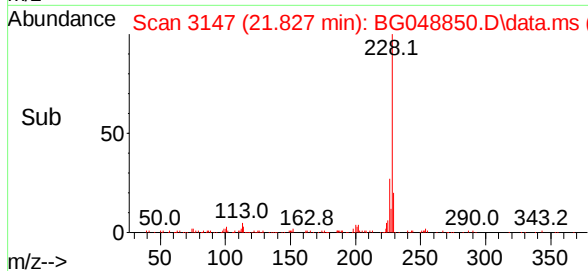
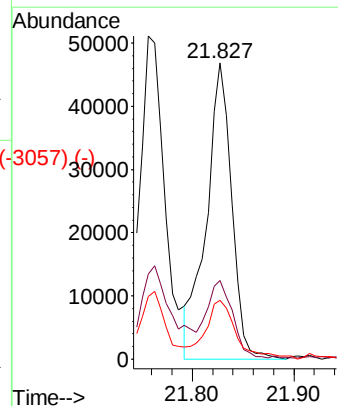
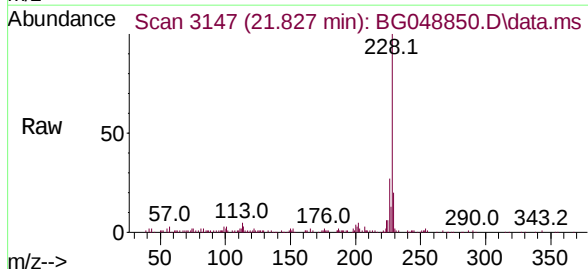


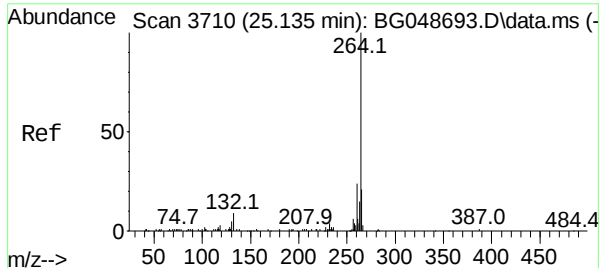
Abundance Scan 3150 (21.845 min): BG048693.D\data.ms (-3129) (-)



Chrysene
Concen: 9.58 ng
RT: 21.827 min Scan# 3147
Delta R.T. -0.000 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

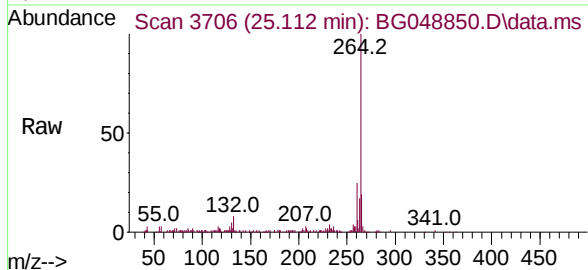
Tgt Ion:	228	Resp:	81456
Ion Ratio	Lower	Upper	
228	100		
226	26.5	23.1	34.7
229	19.8	15.3	22.9



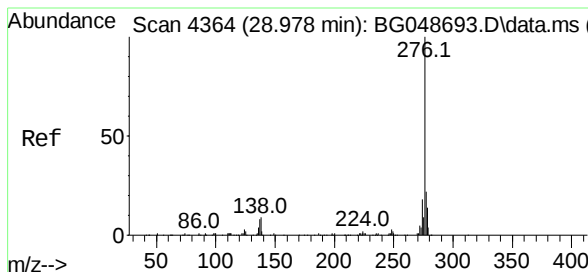
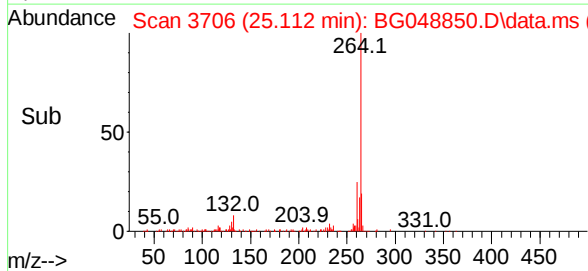
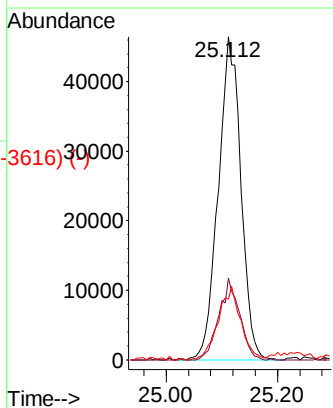


Scan 3710 (25.135 min): BG048693.D\data.ms (-3696) (-)
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.112 min Scan# 3706
 Delta R.T. -0.000 min
 Lab File: BG048850.D
 Acq: 22 Apr 2021 17:03

Instrument :
 BNA_G
 ClientSampleId :
 VNPH2-B-12

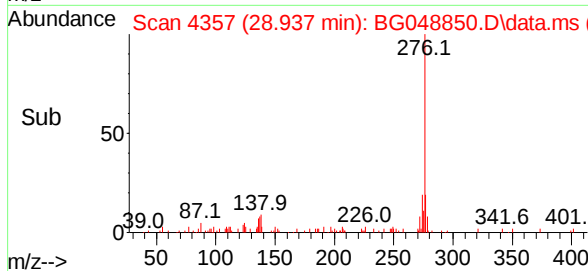
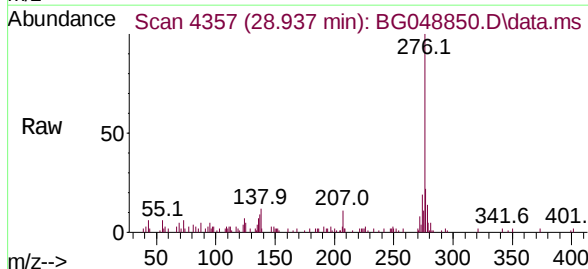
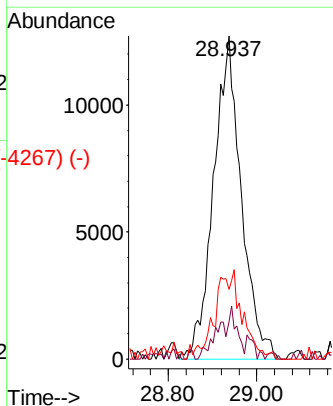


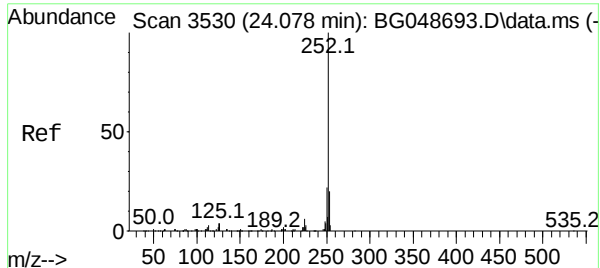
Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.4	29.2
265	18.7	16.9	25.3



Scan 4364 (28.978 min): BG048693.D\data.ms (-4540) (-)
 Indeno(1,2,3-cd)pyrene
 Concen: 5.71 ng
 RT: 28.937 min Scan# 4357
 Delta R.T. -0.000 min
 Lab File: BG048850.D
 Acq: 22 Apr 2021 17:03

Tgt Ion	Ratio	Lower	Upper
276	100		
138	5.0	5.1	7.7#
277	0.0	19.8	29.6#

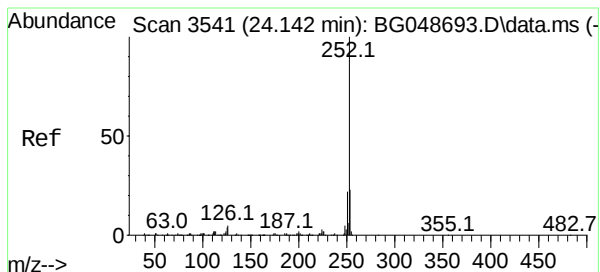
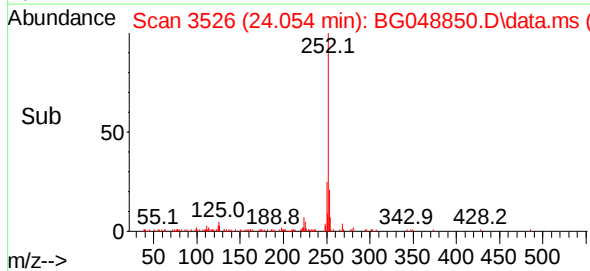
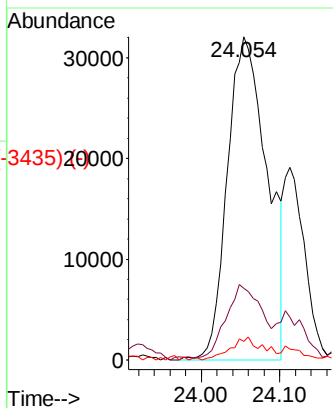
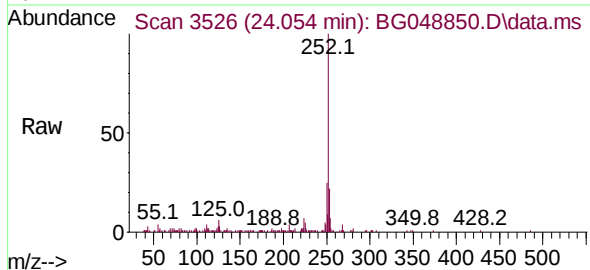




Benzo(b)fluoranthene
 Concen: 12.74 ng
 RT: 24.054 min Scan# 3526
 Delta R.T. 0.006 min
 Lab File: BG048850.D
 Acq: 22 Apr 2021 17:03

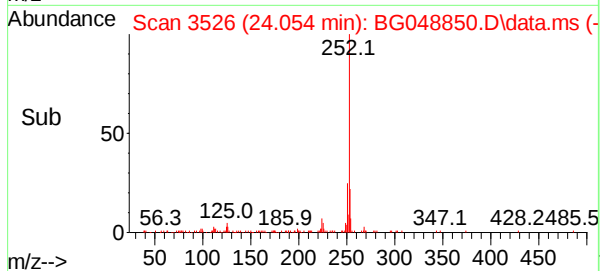
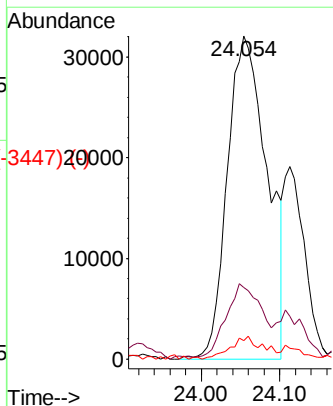
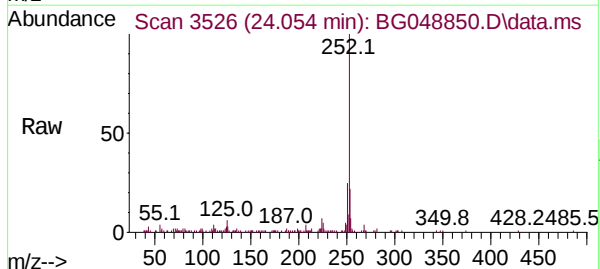
Instrument :
 BNA_G
 ClientSampleId :
 VNPH2-B-12

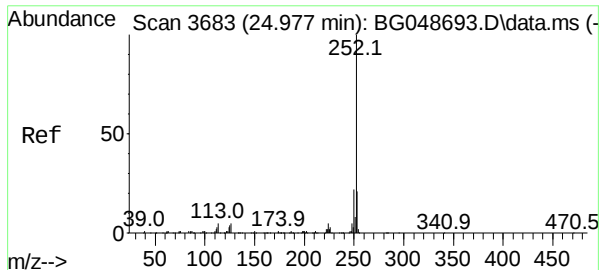
Tgt Ion:	252	Resp:	113340
Ion Ratio	Lower	Upper	
252	100		
253	22.1	16.2	24.4
125	5.8	3.0	4.4#



Benzo(k)fluoranthene
 Concen: 13.55 ng
 RT: 24.054 min Scan# 3526
 Delta R.T. -0.065 min
 Lab File: BG048850.D
 Acq: 22 Apr 2021 17:03

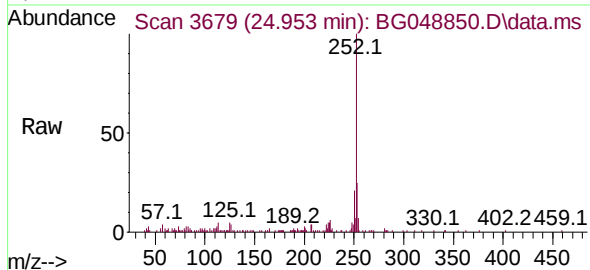
Tgt Ion:	252	Resp:	113340
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.0	27.0
125	5.8	3.1	4.7#



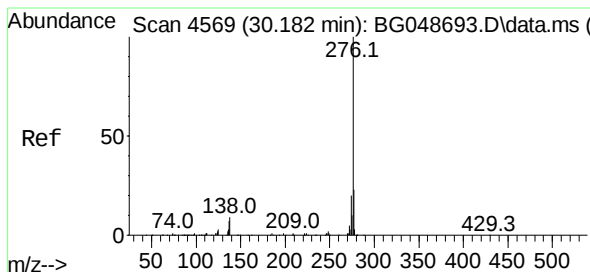
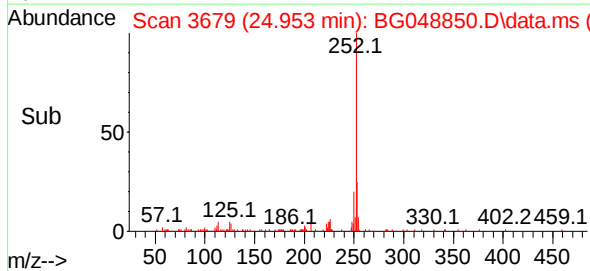
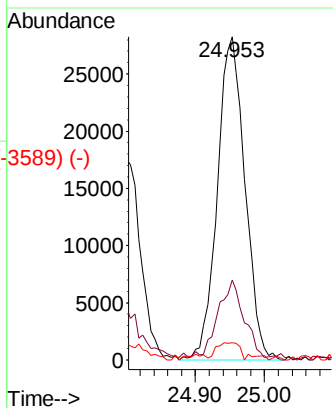


Benzo(a)pyrene
 Concen: 9.57 ng
 RT: 24.953 min Scan# 3679
 Delta R.T. -0.000 min
 Lab File: BG048850.D
 Acq: 22 Apr 2021 17:03

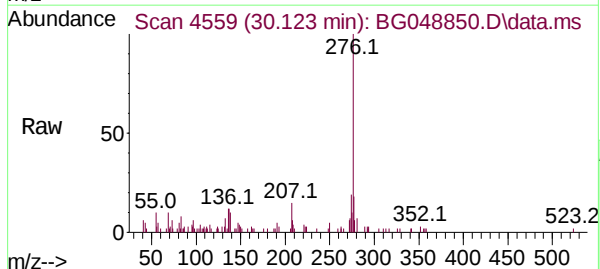
Instrument :
 BNA_G
 ClientSampleId :
 VNPH2-B-12



Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	16.6	25.0
125	5.2	3.5	5.3



Benzo(g,h,i)perylene
 Concen: 3.02 ng
 RT: 30.123 min Scan# 4559
 Delta R.T. -0.006 min
 Lab File: BG048850.D
 Acq: 22 Apr 2021 17:03



Tgt Ion	Ratio	Lower	Upper
276	100		
277	18.2	18.4	27.6#
138	10.2	7.0	10.6

