

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041921\
 Data File : BG048792.D
 Acq On : 20 Apr 2021 10:27
 Operator : CG/JU
 Sample : M2074-16
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNPH2-B-11

Quant Time: Apr 20 12:22:03 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 16 15:59:00 2021
 Response via : Initial Calibration

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

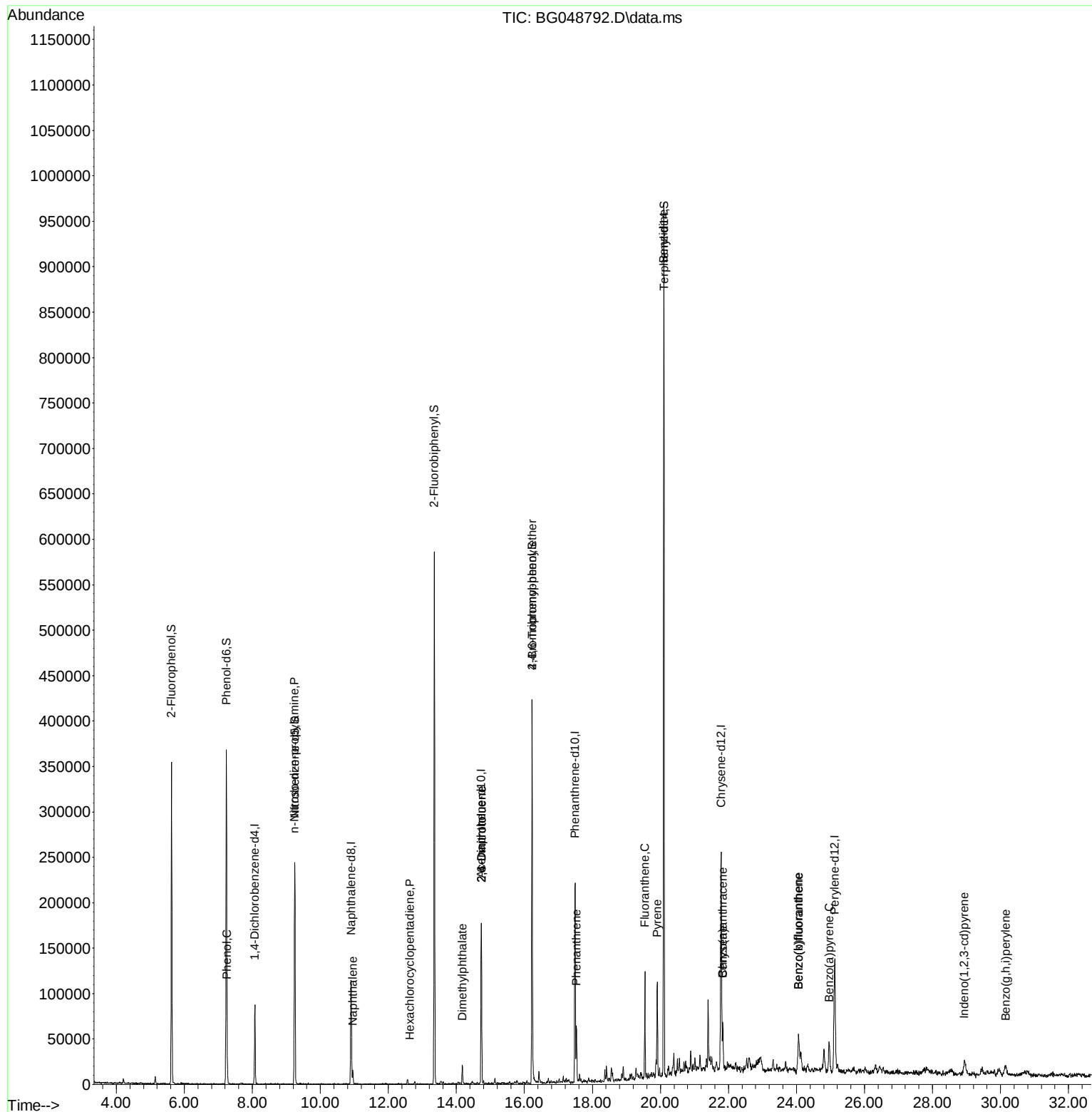
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.073	152	20270	20.00	ng	0.00
21) Naphthalene-d8	10.899	136	91334	20.00	ng	#-0.01
39) Acenaphthene-d10	14.730	164	64125	20.00	ng	-0.01
64) Phenanthrene-d10	17.492	188	139330	20.00	ng	# 0.00
76) Chrysene-d12	21.787	240	130494	20.00	ng	-0.01
86) Perylene-d12	25.124	264	131557	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.623	112	130765	107.90	ng	0.00
7) Phenol-d6	7.239	99	183065	106.79	ng	0.00
23) Nitrobenzene-d5	9.248	82	141028	69.13	ng	0.00
42) 2,4,6-Tribromophenol	16.228	330	73418	85.39	ng	0.00
45) 2-Fluorobiphenyl	13.349	172	291193	65.58	ng	0.00
79) Terphenyl-d14	20.100	244	417231	55.03	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	7.257	94	5441	3.23	ng	94
19) n-Nitroso-di-n-propyla...	9.243	70	22837	19.75	ng	# 75
31) Naphthalene	10.952	128	11974	2.55	ng	# 82
41) Hexachlorocyclopentadiene	12.633	237	106	5.95	ng	# 31
50) Dimethylphthalate	14.172	163	11915	2.48	ng	# 97
51) 2,6-Dinitrotoluene	14.736	165	9234	8.32	ng	# 10
57) 2,4-Dinitrotoluene	14.736	165	9234	5.73	ng	# 15
67) 4-Bromophenyl-phenylether	16.228	248	5691	3.55	ng	# 1
71) Phenanthrene	17.533	178	38215	5.28	ng	# 91
75) Fluoranthene	19.542	202	69758	7.63	ng	97
77) Benzidine	20.095	184	8530	2.41	ng	# 95
78) Pyrene	19.907	202	63891	7.08	ng	95
81) Benzo(a)anthracene	21.834	228	36704	4.12	ng	96
83) Chrysene	21.834	228	36704	4.32	ng	# 96
87) Indeno(1,2,3-cd)pyrene	28.931	276	24364	2.52	ng	# 57
88) Benzo(b)fluoranthene	24.060	252	50543	5.66	ng	# 98
89) Benzo(k)fluoranthene	24.060	252	50543	6.02	ng	# 97
90) Benzo(a)pyrene	24.965	252	36379	4.42	ng	# 89
92) Benzo(g,h,i)perylene	30.153	276	24768	3.03	ng	# 90

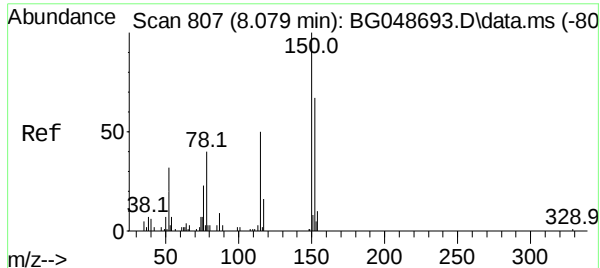
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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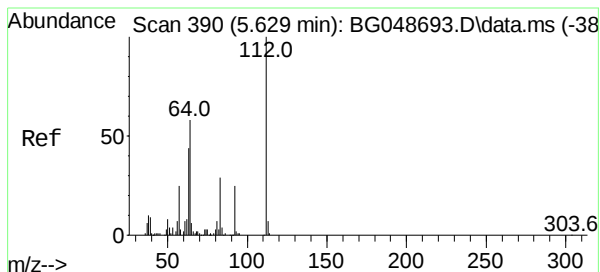
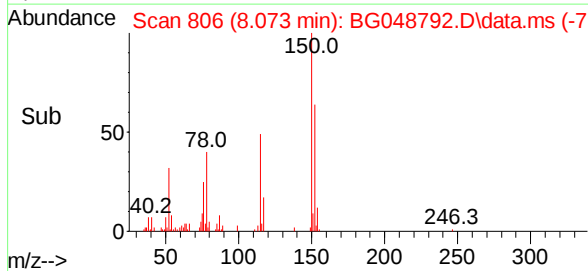
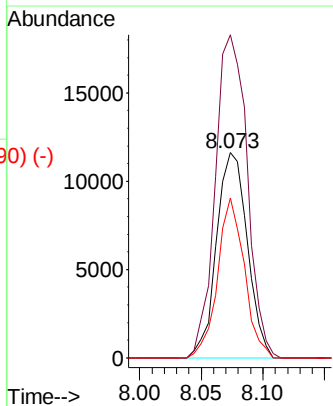
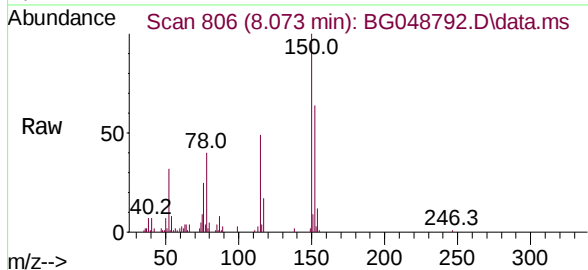




1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.073 min Scan# 806
 Delta R.T. -0.007 min
 Lab File: BG048792.D
 Acq: 20 Apr 2021 10:27

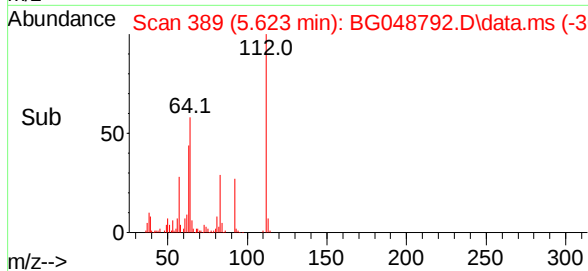
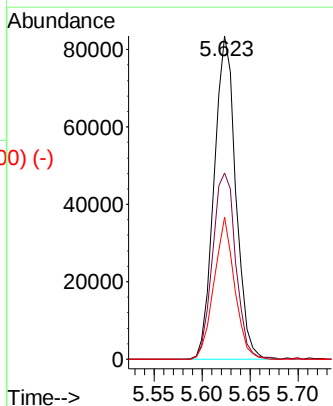
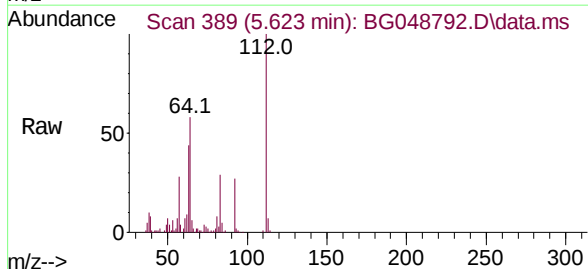
Instrument :
 BNA_G
 ClientSampleId :
 VNPH2-B-11

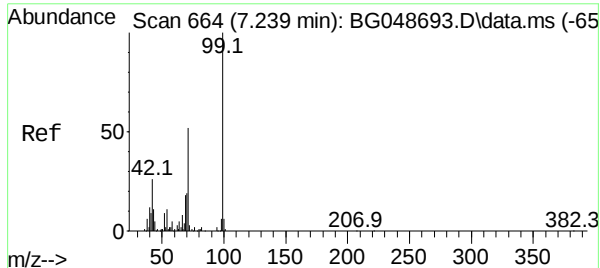
Tgt Ion:	152	Resp:	20270
Ion	Ratio	Lower	Upper
152	100		
150	157.5	119.4	179.0
115	77.8	60.2	90.4



2-Fluorophenol
 Concen: 107.90 ng
 RT: 5.623 min Scan# 389
 Delta R.T. -0.007 min
 Lab File: BG048792.D
 Acq: 20 Apr 2021 10:27

Tgt Ion:	112	Resp:	130765
Ion	Ratio	Lower	Upper
112	100		
64	57.6	46.7	70.1
63	43.9	35.3	52.9

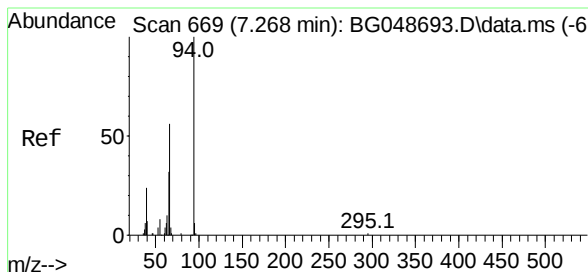
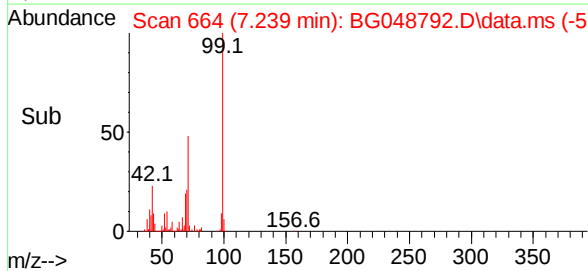
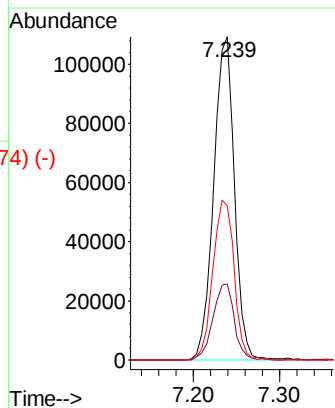
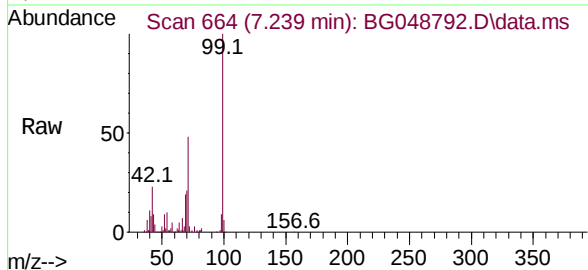




Phenol-d6
 Concen: 106.79 ng
 RT: 7.239 min Scan# 664
 Delta R.T. -0.001 min
 Lab File: BG048792.D
 Acq: 20 Apr 2021 10:27

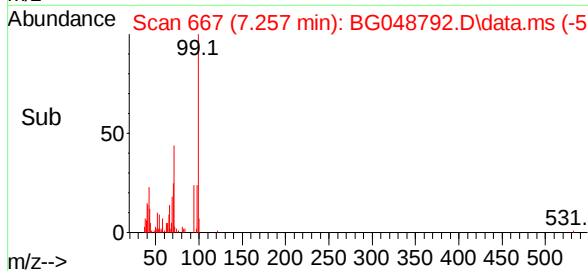
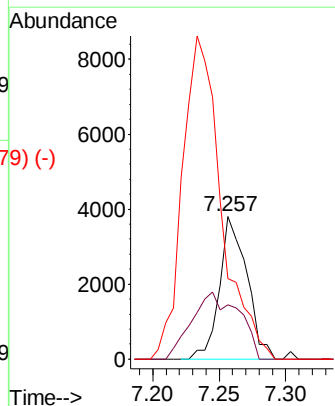
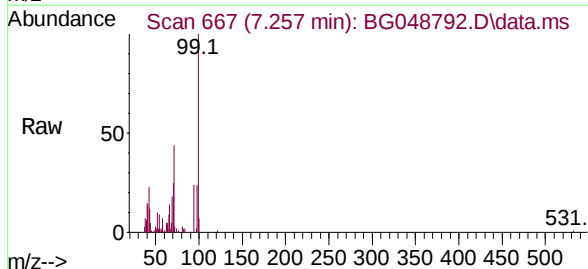
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 BNA_G
 ClientSampleId :
 VNPH2-B-11

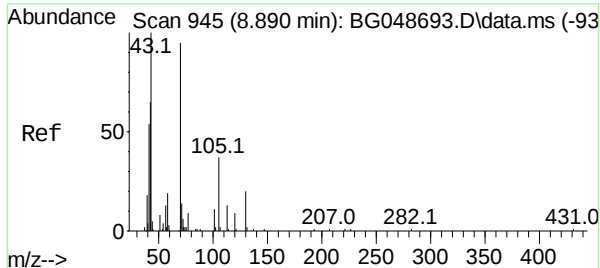
Tgt Ion:	99	Resp:	183065
Ion	Ratio	Lower	Upper
99	100		
42	23.5	20.5	30.7
71	47.6	41.5	62.3



Phenol
 Concen: 3.23 ng
 RT: 7.257 min Scan# 667
 Delta R.T. -0.013 min
 Lab File: BG048792.D
 Acq: 20 Apr 2021 10:27

Tgt Ion:	94	Resp:	5441
Ion	Ratio	Lower	Upper
94	100		
65	38.2	12.9	52.9
66	56.2	39.4	79.4

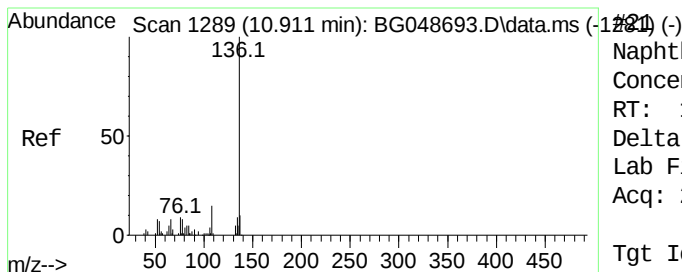
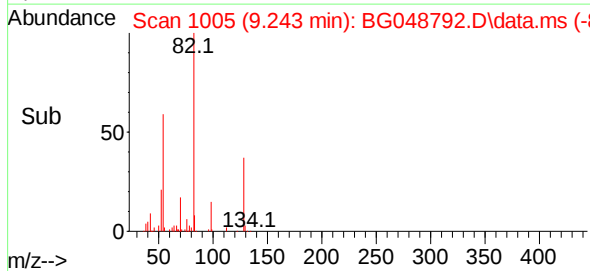
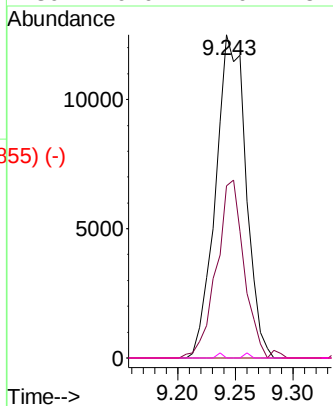
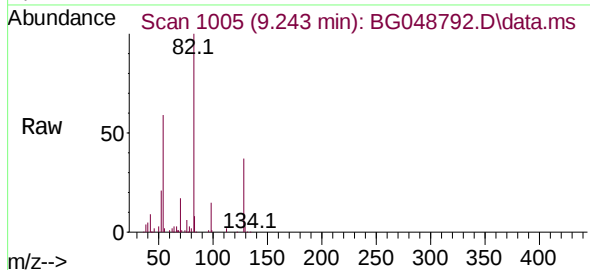




n-Nitroso-di-n-propylamine
Concen: 19.75 ng
RT: 9.243 min Scan# 1005
Delta R.T. 0.352 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

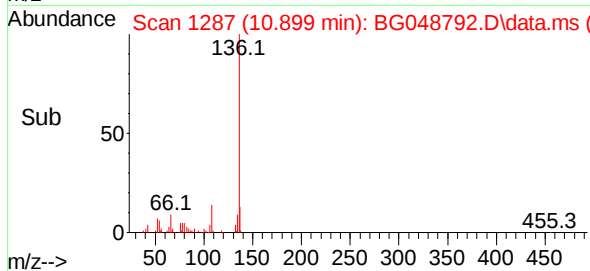
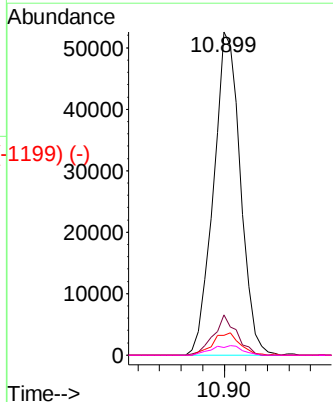
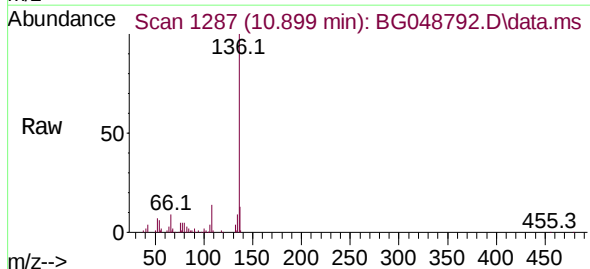
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VNPH2-B-11

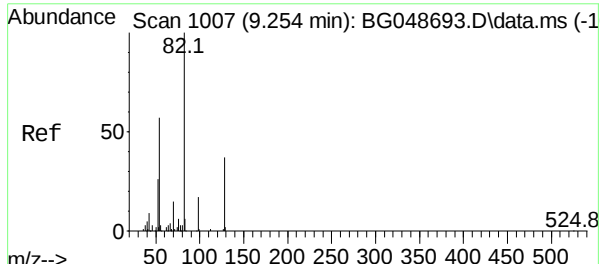
Tgt Ion:	70	Resp:	22837
Ion	Ratio	Lower	Upper
70	100		
42	53.3	54.5	81.7#
101	0.0	9.0	13.6#
130	0.0	17.0	25.6#



Naphthalene-d8
Concen: 20.00 ng
RT: 10.899 min Scan# 1287
Delta R.T. -0.013 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

Tgt Ion:	136	Resp:	91334
Ion	Ratio	Lower	Upper
136	100		
137	12.5	8.2	12.2#
54	6.1	5.5	8.3
68	2.4	2.3	3.5

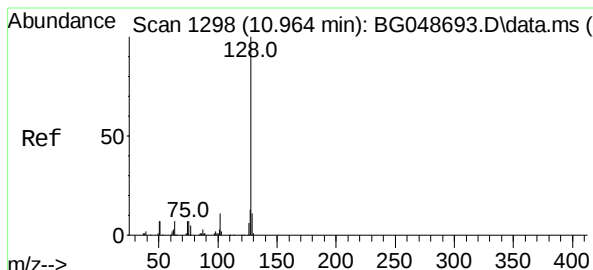
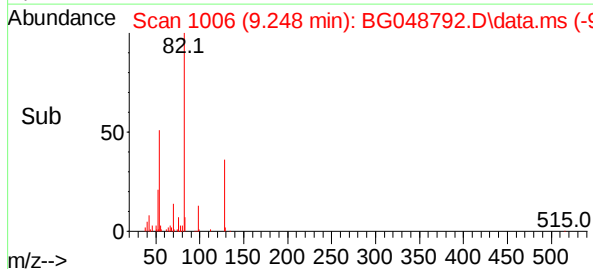
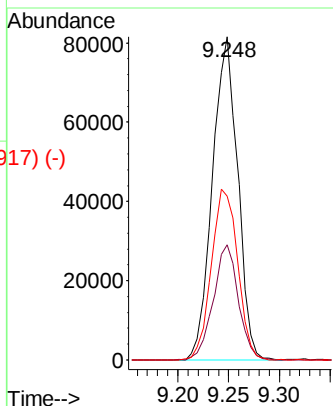
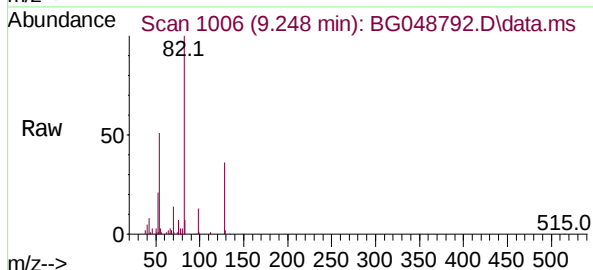




Nitrobenzene-d5
Concen: 69.13 ng
RT: 9.248 min Scan# 1006
Delta R.T. -0.007 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

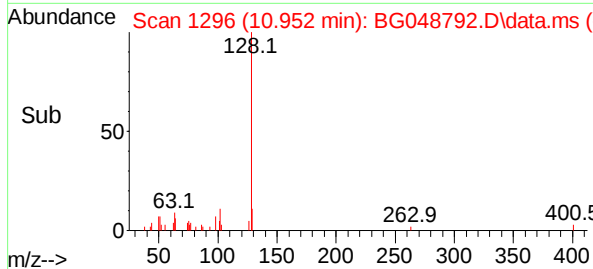
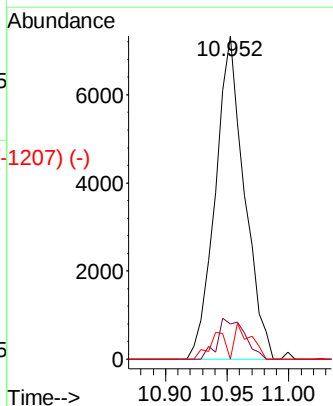
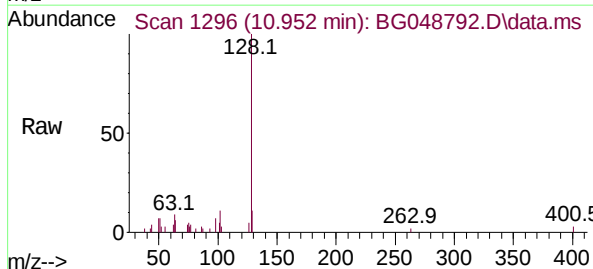
Instrument :
BNA_G
ClientSampleId :
VNPH2-B-11

Tgt Ion:	82	Resp:	141028
Ion	Ratio	Lower	Upper
82	100		
128	35.7	29.8	44.6
54	50.7	45.8	68.8



Naphthalene
Concen: 2.55 ng
RT: 10.952 min Scan# 1296
Delta R.T. -0.007 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

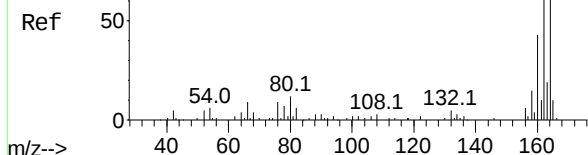
Tgt Ion:	128	Resp:	11974
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.5	12.7
127	0.0	10.2	15.4#



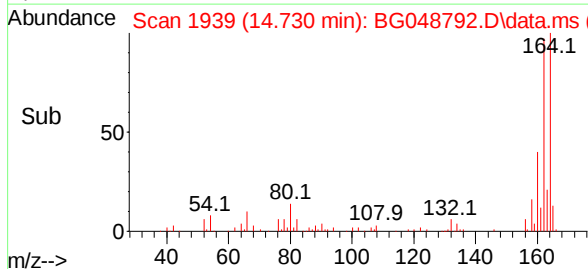
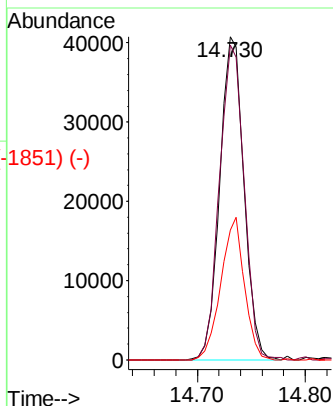
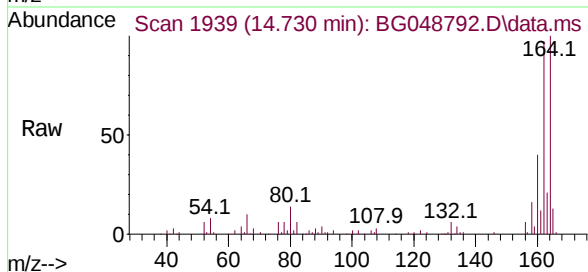
Abundance Scan 1940 (14.736 min): BG048693.D\data.ms (-1939) (-)

Acenaphthene-d10
Concen: 20.00 ng
RT: 14.730 min Scan# 1939
Delta R.T. -0.013 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

Instrument :
BNA_G
ClientSampled :
VNPH2-B-11

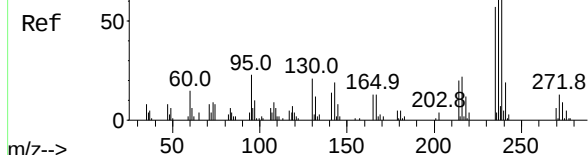


Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.4	81.4	122.0
160	40.2	34.9	52.3

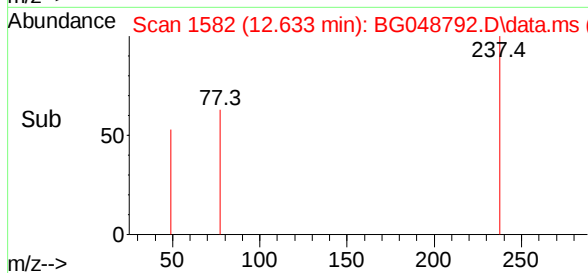
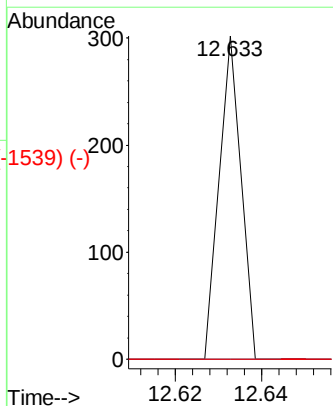
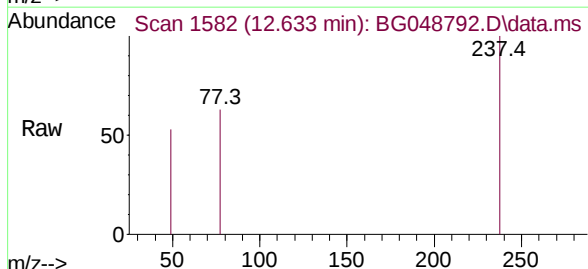


Abundance Scan 1629 (12.908 min): BG048693.D\data.ms (-1621) (-)

Hexachlorocyclopentadiene
Concen: 5.95 ng
RT: 12.633 min Scan# 1582
Delta R.T. -0.277 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27



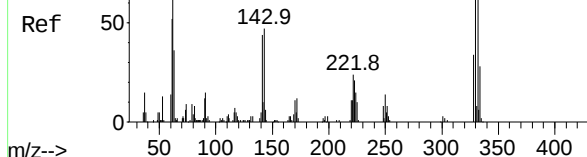
Tgt Ion	Ratio	Lower	Upper
237	100		
235	0.0	36.6	76.6#
272	0.0	0.0	32.5



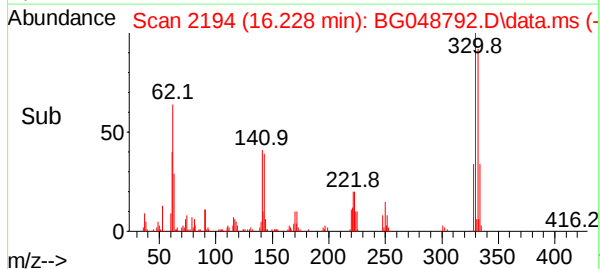
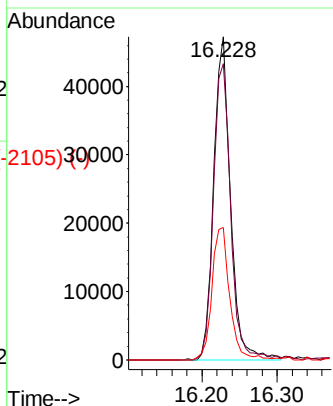
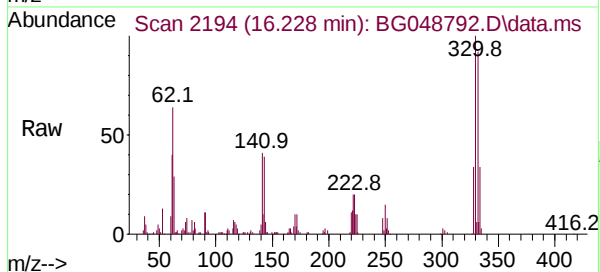
Abundance Scan 2194 (16.228 min): BG048693.D\data.ms (-1642) (-)

2,4,6-Tribromophenol
Concen: 85.39 ng
RT: 16.228 min Scan# 2194
Delta R.T. -0.007 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

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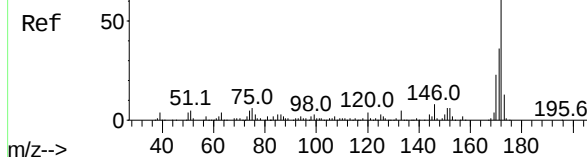


Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.4	77.3	115.9
141	43.4	35.6	53.4

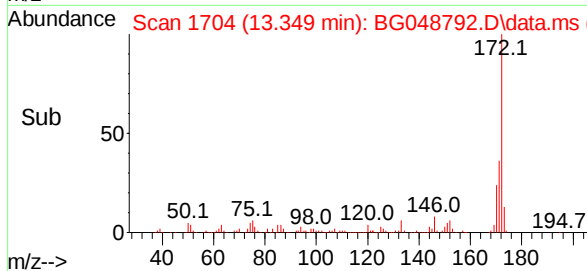
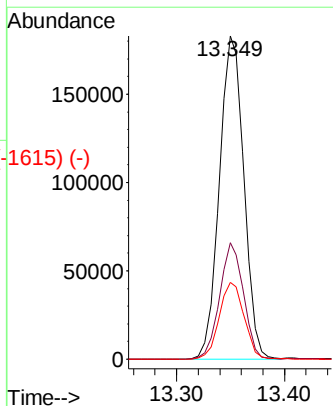
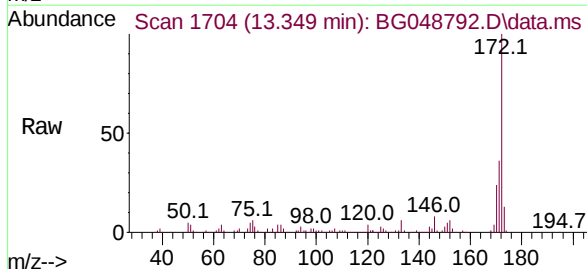


Abundance Scan 1705 (13.355 min): BG048693.D\data.ms (-1645) (-)

2-Fluorobiphenyl
Concen: 65.58 ng
RT: 13.349 min Scan# 1704
Delta R.T. -0.007 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27



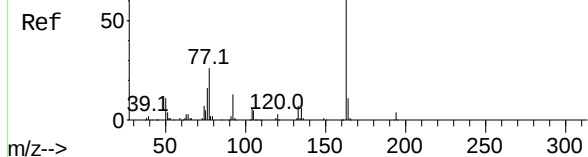
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	23.8	18.6	27.8



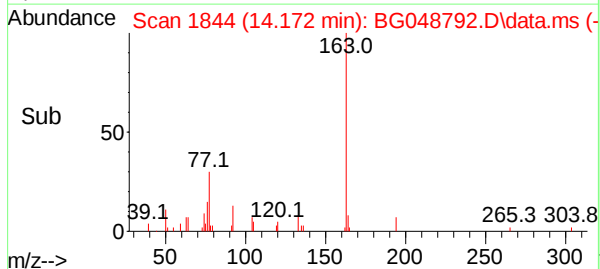
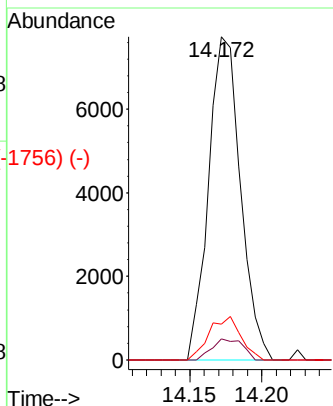
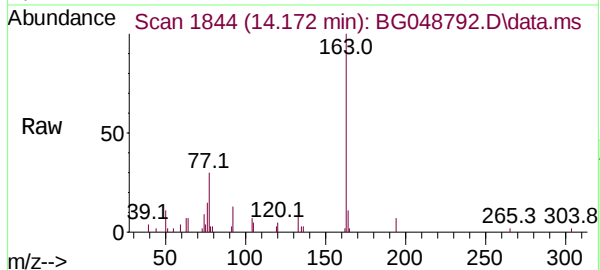
Abundance Scan 1846 (14.183 min): BG048693.D\data.ms (-1750) (-)

Dimethylphthalate
Concen: 2.48 ng
RT: 14.172 min Scan# 1844
Delta R.T. -0.013 min
Lab File: BG048792.D
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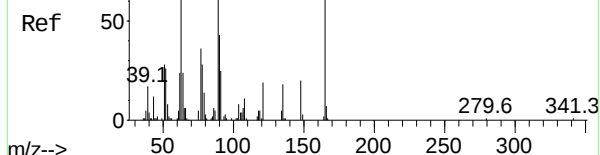


Tgt Ion	Ratio	Lower	Upper
163	100		
194	6.6	3.0	4.6#
164	11.1	8.6	12.8

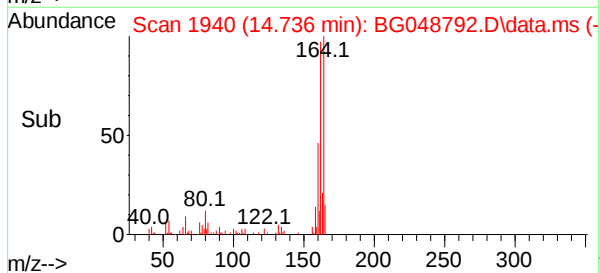
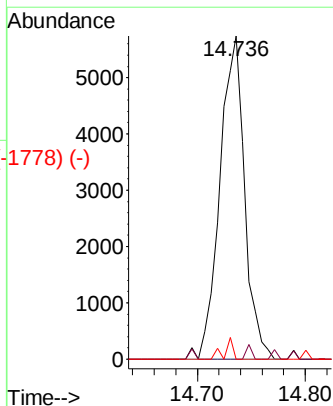
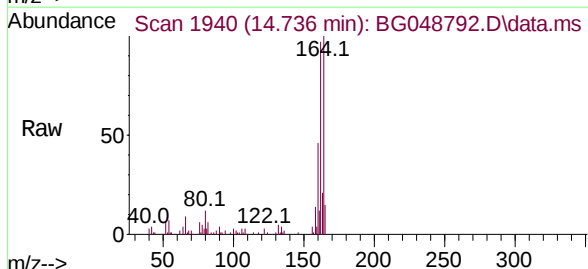


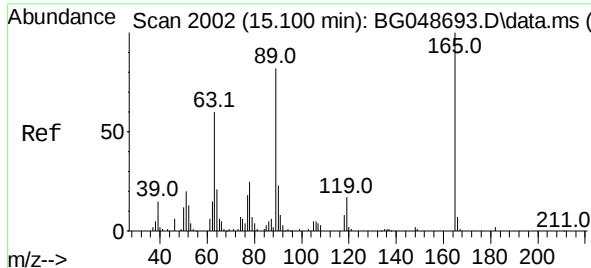
Abundance Scan 1867 (14.307 min): BG048693.D\data.ms (-1750) (-)

2,6-Dinitrotoluene
Concen: 8.32 ng
RT: 14.736 min Scan# 1940
Delta R.T. 0.422 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27



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

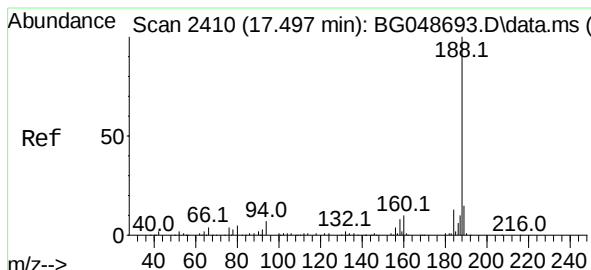
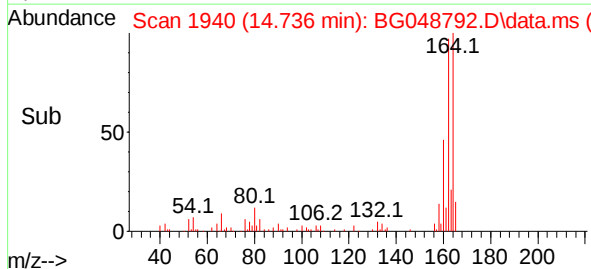
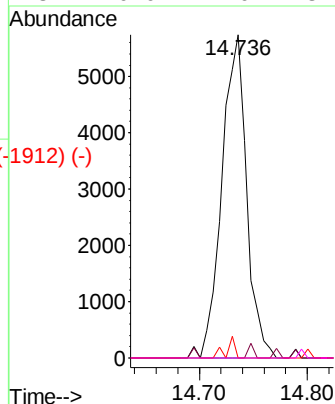
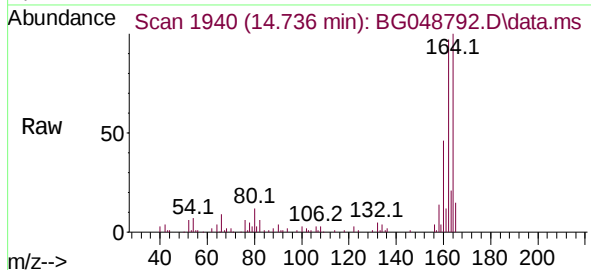




2,4-Dinitrotoluene
Concen: 5.73 ng
RT: 14.736 min Scan# 1940
Delta R.T. -0.365 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

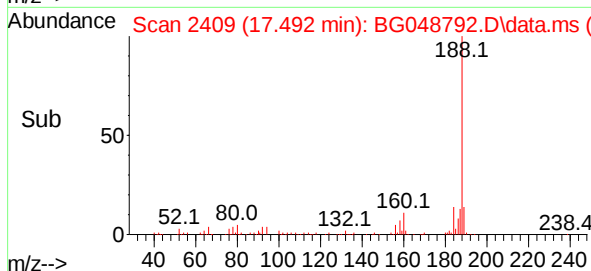
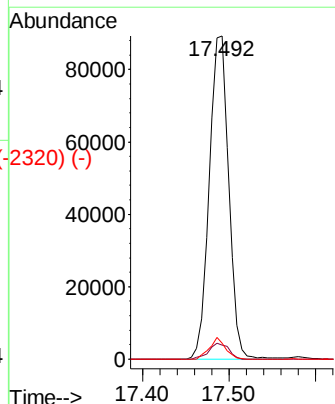
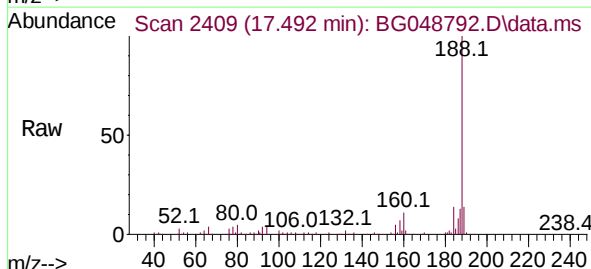
Instrument :
BNA_G
ClientSampleId :
VNPH2-B-11

Tgt 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#

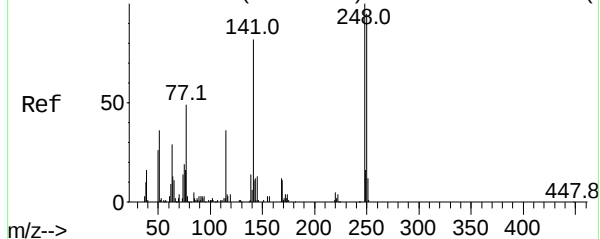


Phenanthrene-d10
Concen: 20.00 ng
RT: 17.492 min Scan# 2409
Delta R.T. -0.007 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.4	5.4	8.0#
80	4.9	3.7	5.5



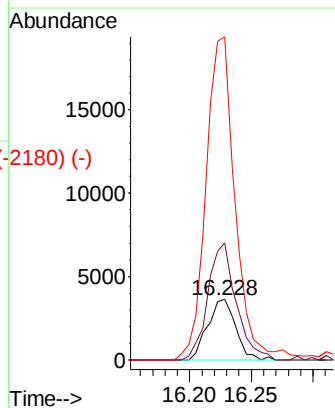
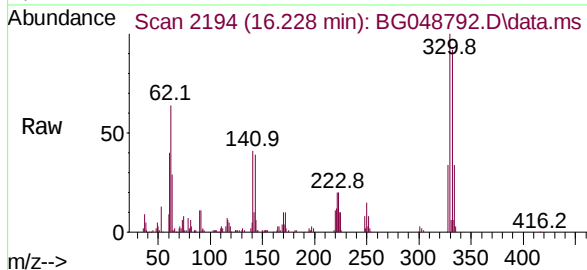
Abundance Scan 2270 (16.674 min): BG048693.D\data.ms (-2267) (-)



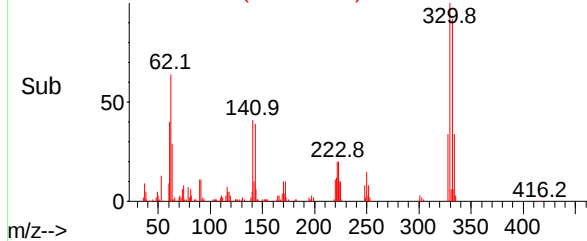
4-Bromophenyl-phenylether
Concen: 3.55 ng
RT: 16.228 min Scan# 2194
Delta R.T. -0.447 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

Instrument :
BNA_G
ClientSampled :
VNPH2-B-11

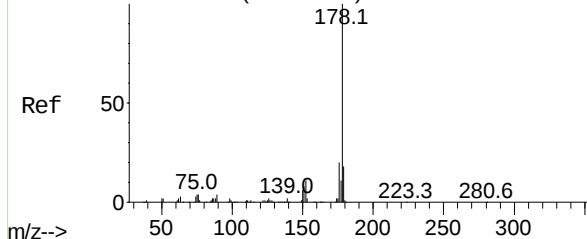
Tgt Ion:248 Resp: 5691
Ion Ratio Lower Upper
248 100
250 193.5 76.1 114.1#
141 533.8 65.4 98.2#



Abundance Scan 2194 (16.228 min): BG048792.D\data.ms (-2180) (-)

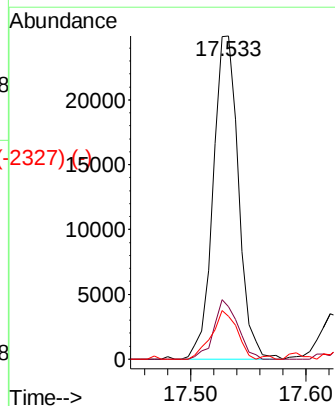
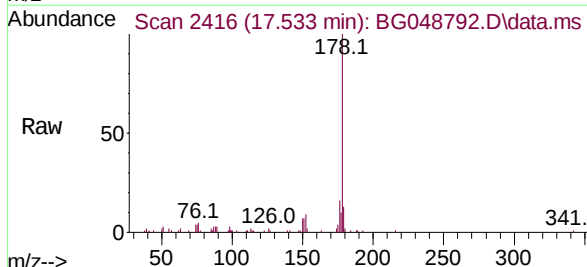


Abundance Scan 2417 (17.538 min): BG048693.D\data.ms (-2409) (-)

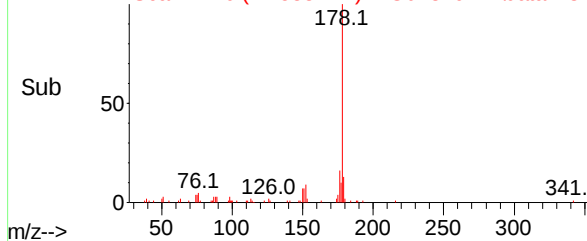


Phenanthrene
Concen: 5.28 ng
RT: 17.533 min Scan# 2416
Delta R.T. -0.007 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

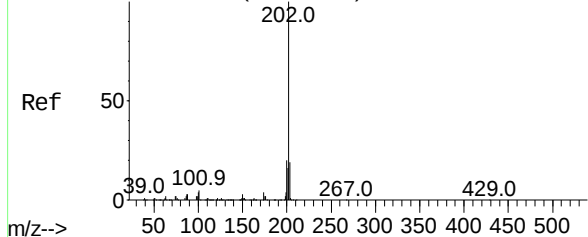
Tgt Ion:178 Resp: 38215
Ion Ratio Lower Upper
178 100
176 16.3 16.0 24.0
179 13.2 14.2 21.4#



Abundance Scan 2416 (17.533 min): BG048792.D\data.ms (-2327) (-)



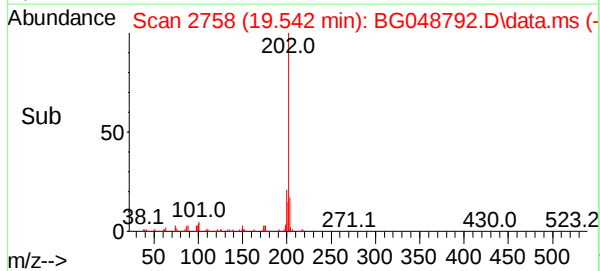
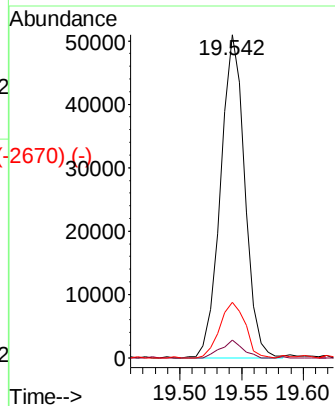
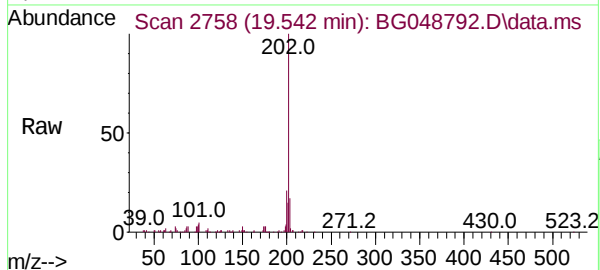
Abundance Scan 2759 (19.548 min): BG048693.D\data.ms (-2755) (-)



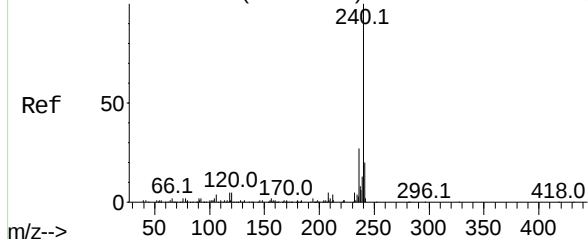
Fluoranthene
Concen: 7.63 ng
RT: 19.542 min Scan# 2758
Delta R.T. -0.013 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

Instrument :
BNA_G
ClientSampleId :
VNP2-B-11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	5.5	0.0	24.7
203	17.1	0.0	38.5

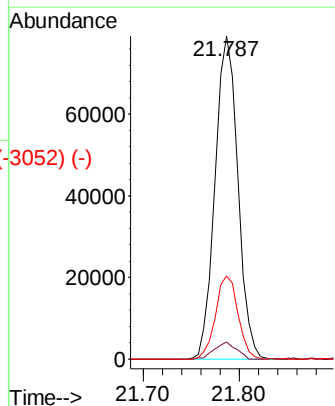
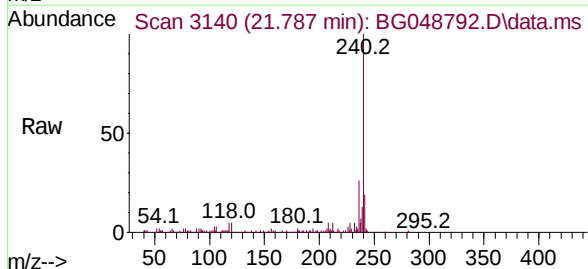


Abundance Scan 3142 (21.798 min): BG048693.D\data.ms (-3134) (-)

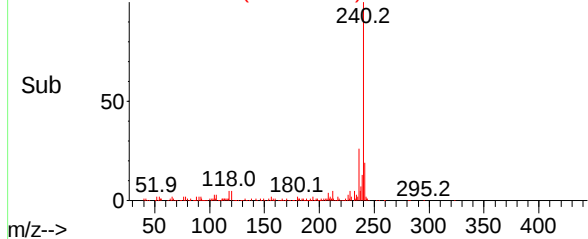


Chrysene-d12
Concen: 20.00 ng
RT: 21.787 min Scan# 3140
Delta R.T. -0.013 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

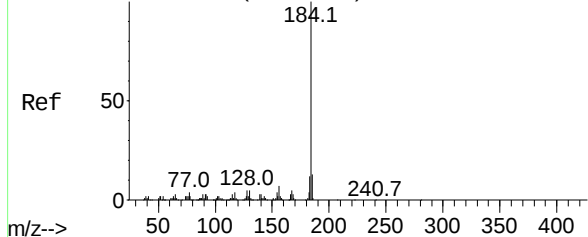
Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.3	4.2	6.2
236	25.7	21.8	32.6



Abundance Scan 3140 (21.787 min): BG048792.D\data.ms (-3052) (-)



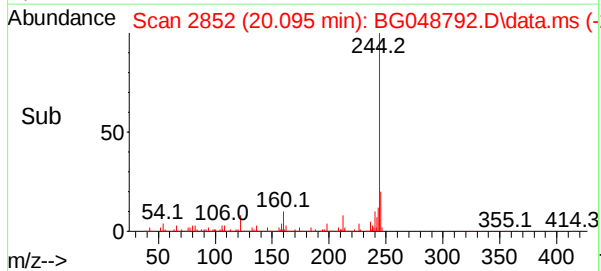
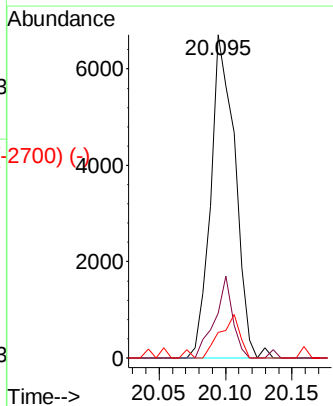
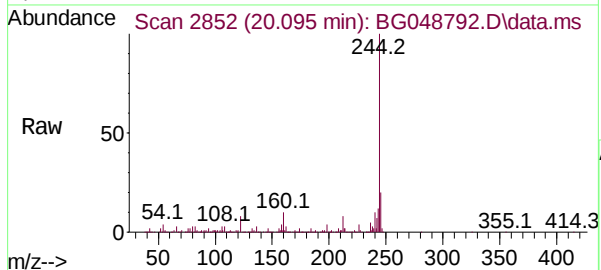
Abundance Scan 2789 (19.724 min): BG048693.D\data.ms (-2777) (-)



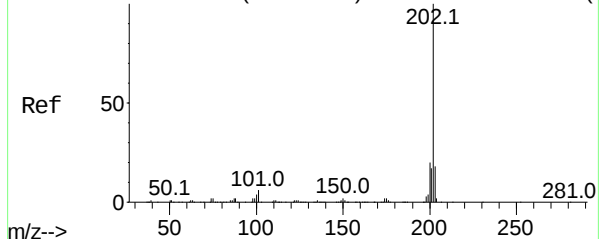
Benzidine
Concen: 2.41 ng
RT: 20.095 min Scan# 2852
Delta R.T. 0.364 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

Instrument :
BNA_G
ClientSampleId :
VNPH2-B-11

Tgt Ion	Ratio	Lower	Upper
184	100		
185	13.9	10.7	16.1
183	8.0	9.4	14.0#

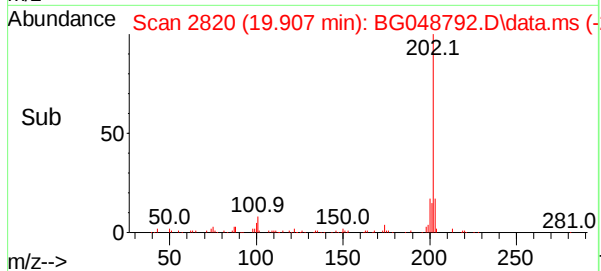
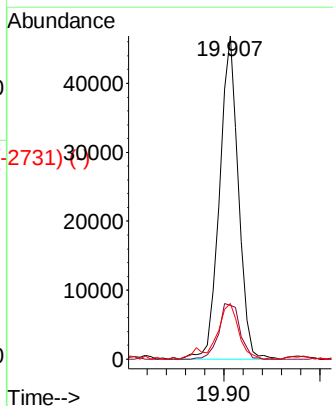
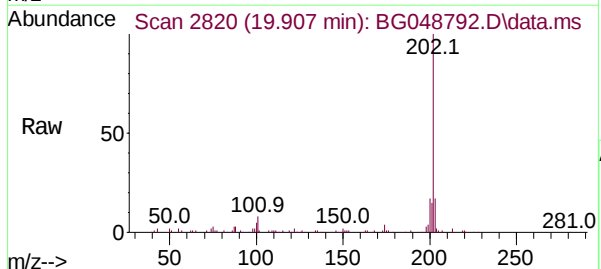


Abundance Scan 2821 (19.912 min): BG048693.D\data.ms (-2772) (-)

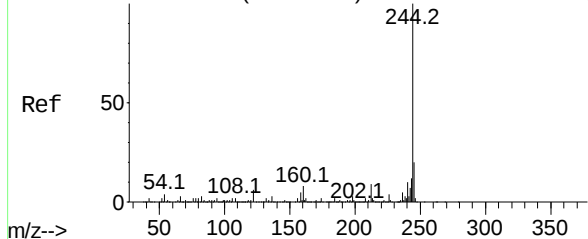


Pyrene
Concen: 7.08 ng
RT: 19.907 min Scan# 2820
Delta R.T. -0.007 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

Tgt Ion	Ratio	Lower	Upper
202	100		
200	16.6	15.8	23.8
203	17.3	14.6	21.8



Abundance Scan 2854 (20.106 min): BG048693.D\data.ms (-2679) (-)

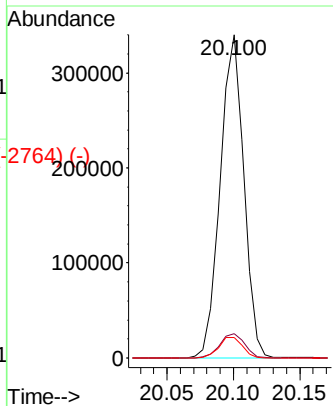
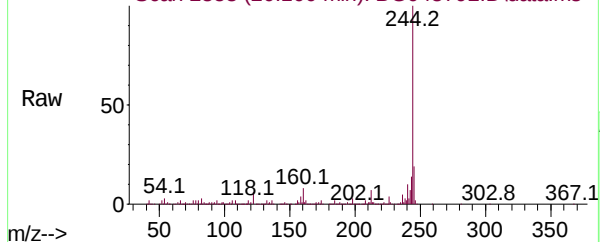


Terphenyl-d14
Concen: 55.03 ng
RT: 20.100 min Scan# 2853
Delta R.T. -0.007 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

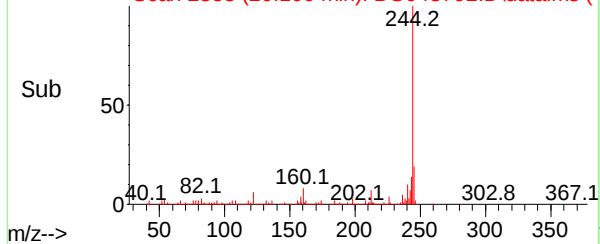
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.9	10.3
122	6.3	5.0	7.6

Instrument :
BNA_G
ClientSampleId :
VNPH2-B-11

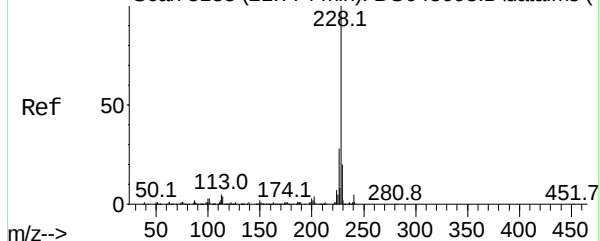
Abundance Scan 2853 (20.100 min): BG048792.D\data.ms



Abundance Scan 2853 (20.100 min): BG048792.D\data.ms (-2764) (-)



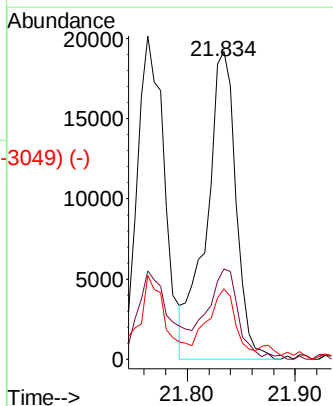
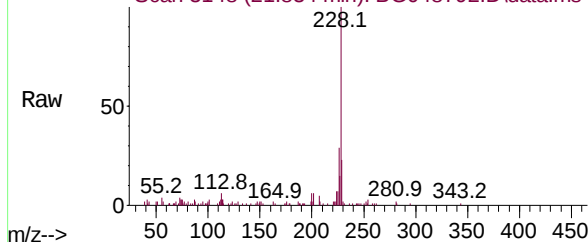
Abundance Scan 3138 (21.774 min): BG048693.D\data.ms (-3129) (-)



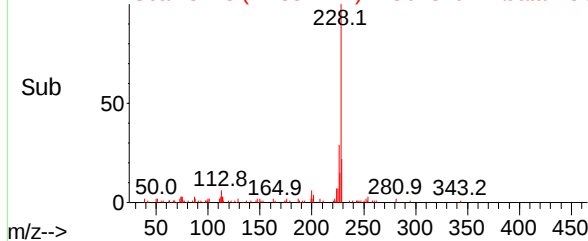
Benzo(a)anthracene
Concen: 4.12 ng
RT: 21.834 min Scan# 3148
Delta R.T. 0.052 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

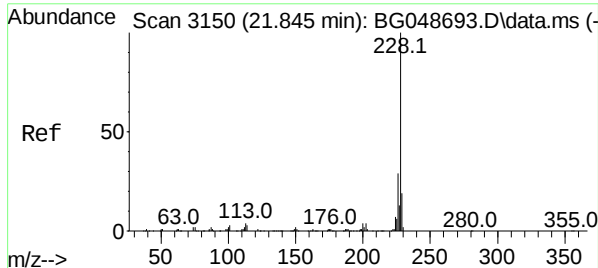
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.7	34.1
229	22.9	16.0	24.0

Abundance Scan 3148 (21.834 min): BG048792.D\data.ms



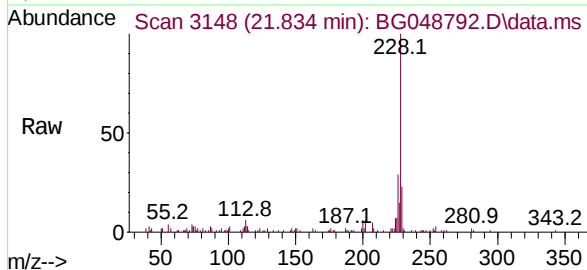
Abundance Scan 3148 (21.834 min): BG048792.D\data.ms (-3049) (-)



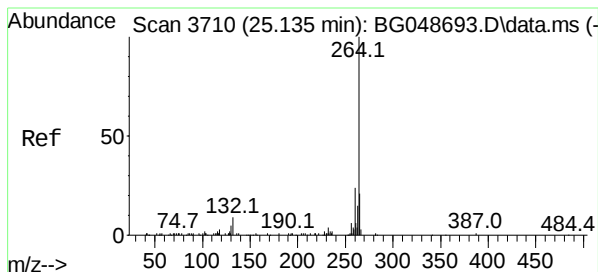
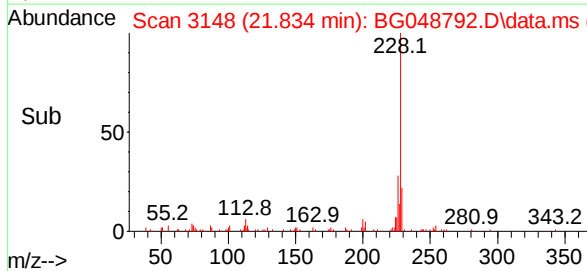
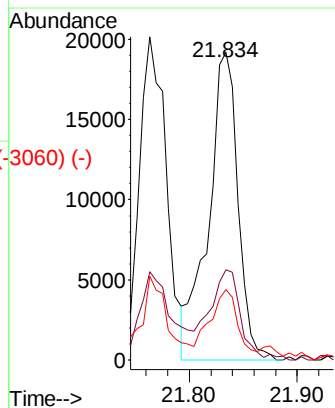


Chrysene
 Concen: 4.32 ng
 RT: 21.834 min Scan# 3148
 Delta R.T. -0.013 min
 Lab File: BG048792.D
 Acq: 20 Apr 2021 10:27

Instrument :
 BNA_G
 ClientSampled :
 VNPH2-B-11

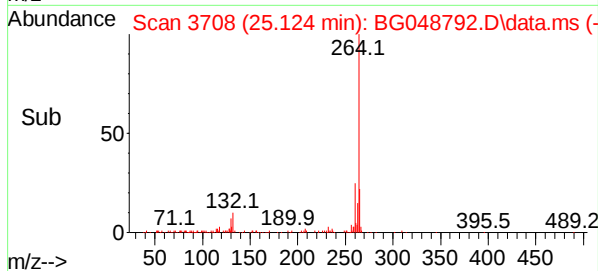
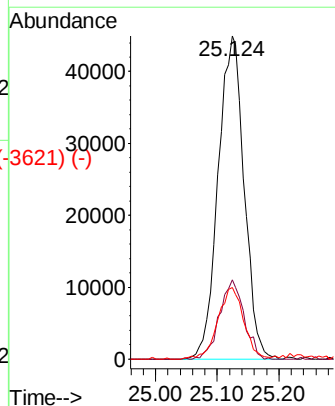
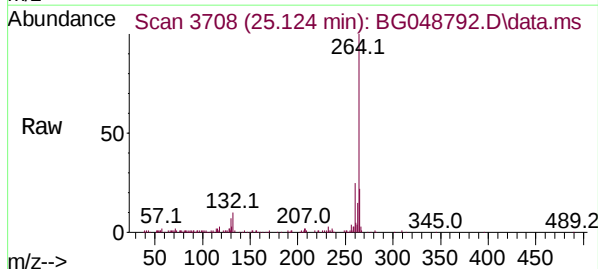


Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.1	34.7
229	22.9	15.3	22.9#

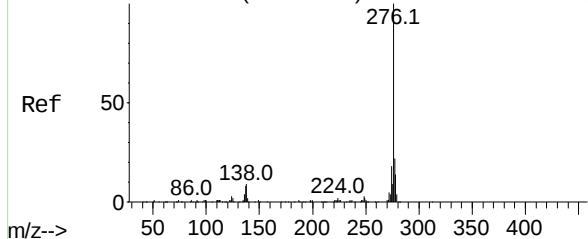


Perylene-d12
 Concen: 20.00 ng
 RT: 25.124 min Scan# 3708
 Delta R.T. -0.018 min
 Lab File: BG048792.D
 Acq: 20 Apr 2021 10:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.2
265	22.1	16.9	25.3



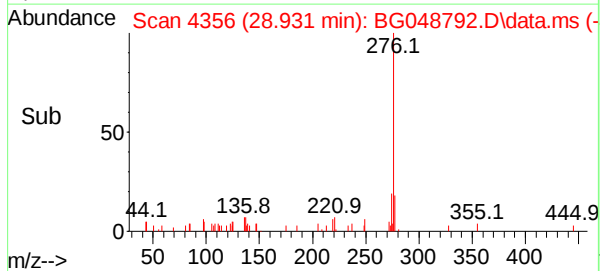
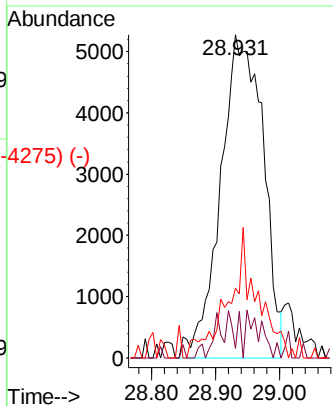
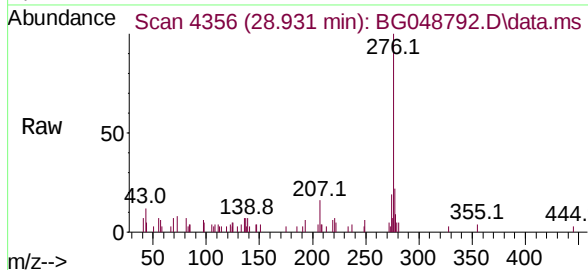
Abundance Scan 4364 (28.978 min): BG048693.D\data.ms (-4364) (-)



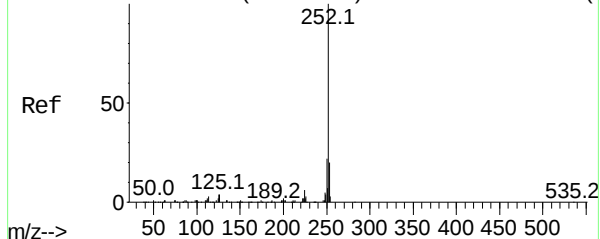
Indeno(1,2,3-cd)pyrene
Concen: 2.52 ng
RT: 28.931 min Scan# 4356
Delta R.T. -0.054 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

Instrument :
BNA_G
ClientSampleId :
VNPH2-B-11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	1.1	5.1	7.7#
277	0.0	19.8	29.6#

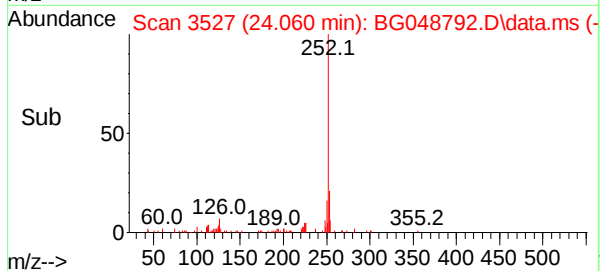
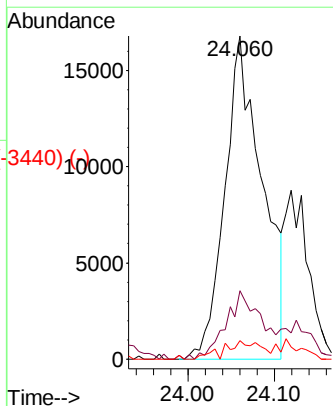
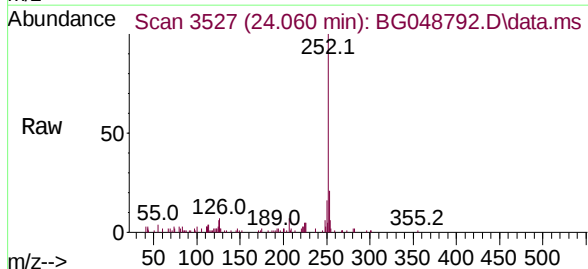


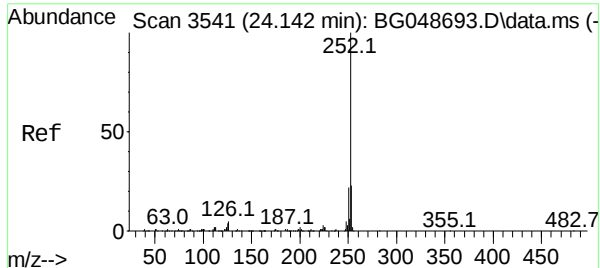
Abundance Scan 3530 (24.078 min): BG048693.D\data.ms (-3530) (-)



Benzo(b)fluoranthene
Concen: 5.66 ng
RT: 24.060 min Scan# 3527
Delta R.T. -0.018 min
Lab File: BG048792.D
Acq: 20 Apr 2021 10:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	16.2	24.4
125	5.7	3.0	4.4#

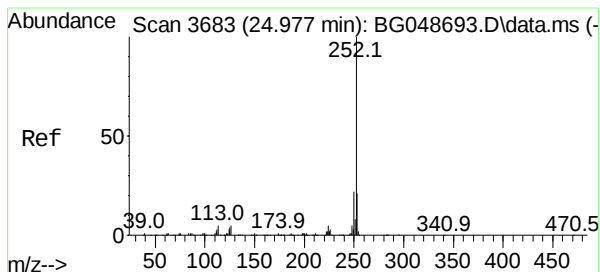
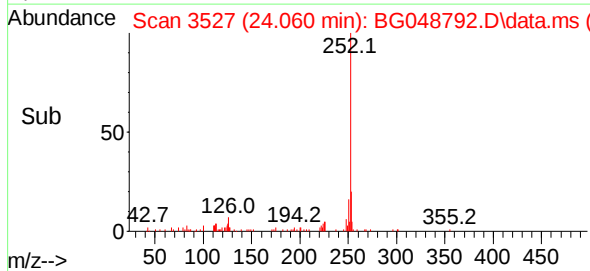
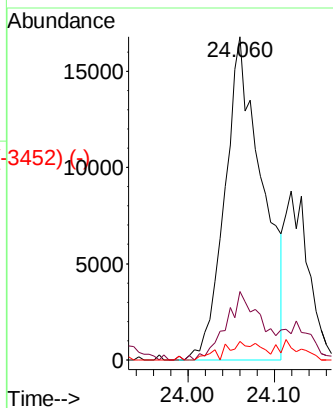
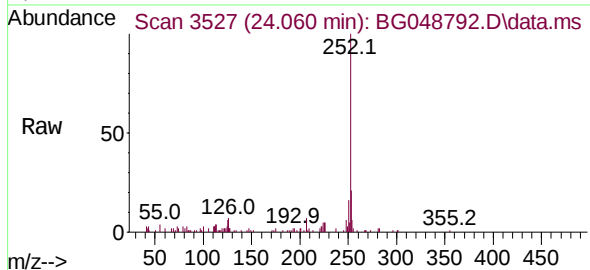




Benzo(k)fluoranthene
 Concen: 6.02 ng
 RT: 24.060 min Scan# 3527
 Delta R.T. -0.089 min
 Lab File: BG048792.D
 Acq: 20 Apr 2021 10:27

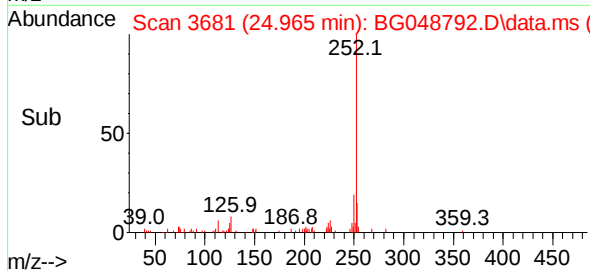
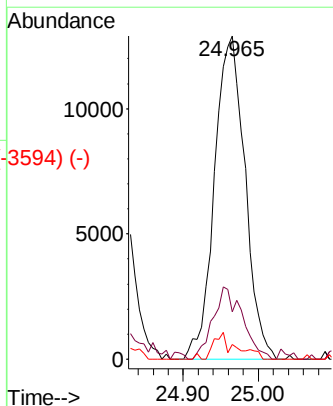
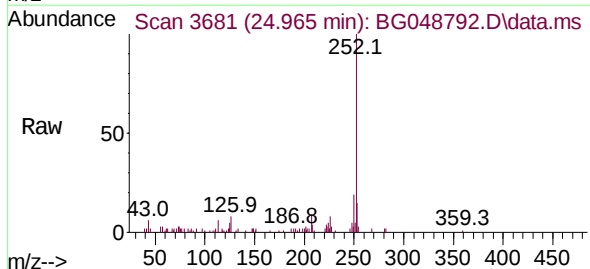
Instrument :
 BNA_G
 ClientSampleId :
 VNPH2-B-11

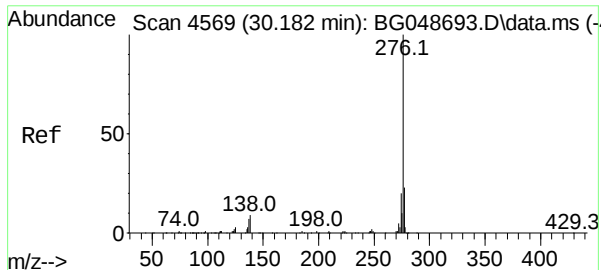
Tgt Ion:	252	Resp:	50543
Ion Ratio	Lower	Upper	
252	100		
253	21.2	18.0	27.0
125	5.7	3.1	4.7#



Benzo(a)pyrene
 Concen: 4.42 ng
 RT: 24.965 min Scan# 3681
 Delta R.T. -0.018 min
 Lab File: BG048792.D
 Acq: 20 Apr 2021 10:27

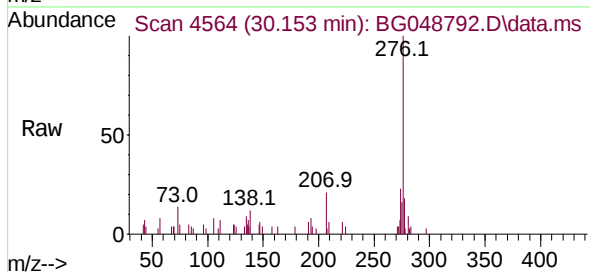
Tgt Ion:	252	Resp:	36379
Ion Ratio	Lower	Upper	
252	100		
253	14.6	16.6	25.0#
125	4.6	3.5	5.3





Benzo(g,h,i)perylene
 Concen: 3.03 ng
 RT: 30.153 min Scan# 4564
 Delta R.T. -0.036 min
 Lab File: BG048792.D
 Acq: 20 Apr 2021 10:27

Instrument :
 BNA_G
 ClientSampleId :
 VNPH2-B-11



Tgt Ion:	276	Resp:	24768
Ion Ratio	Lower	Upper	
276	100		
277	18.0	18.4	27.6#
138	12.2	7.0	10.6#

