

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041521\
 Data File : BG048712.D
 Acq On : 15 Apr 2021 17:04
 Operator : CG/JU
 Sample : M2008-02RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NANUET-ST-041221

Quant Time: Apr 15 17:41:09 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 15 10:59:37 2021
 Response via : Initial Calibration

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

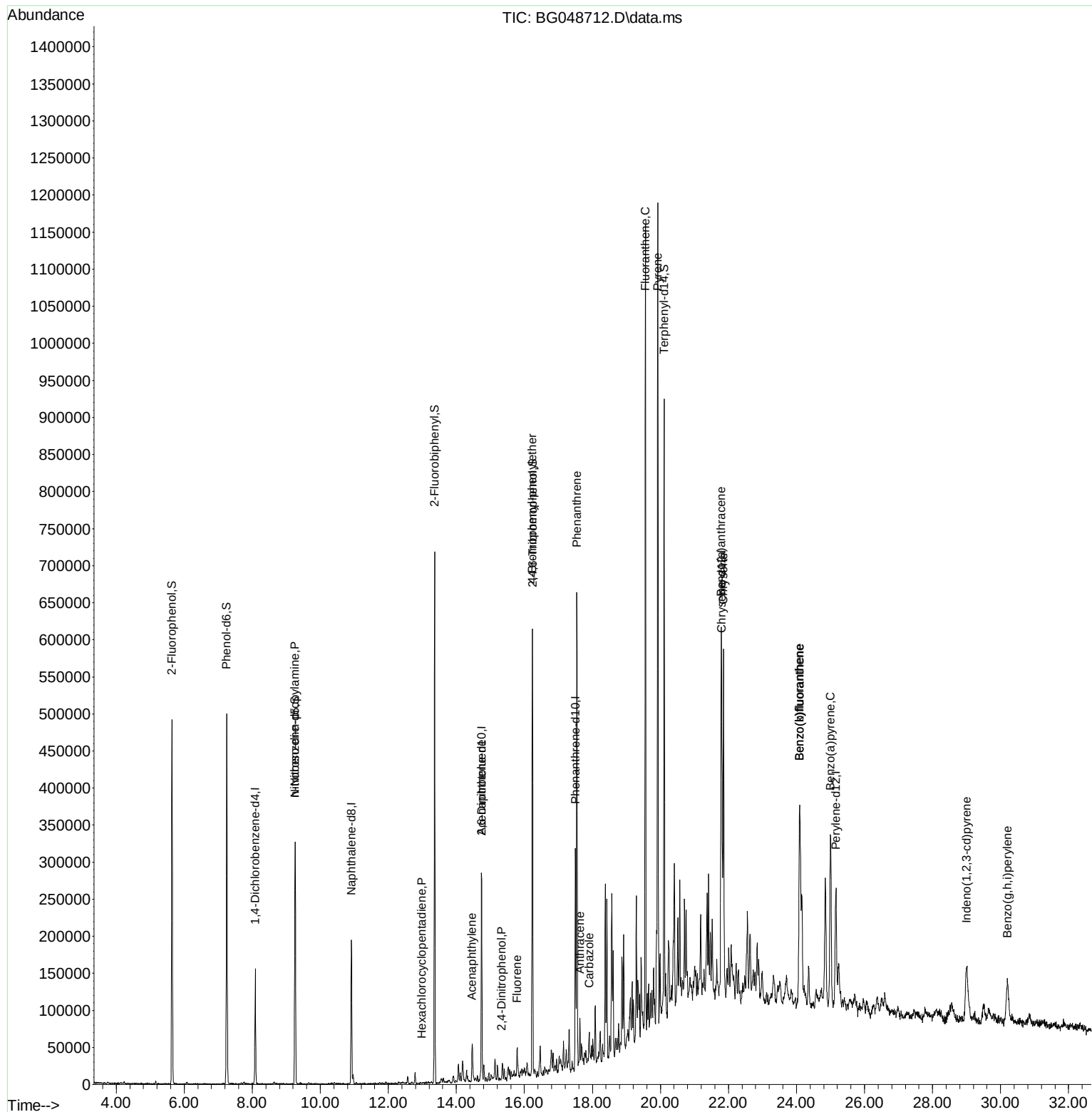
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.088	152	37735	20.00	ng	0.00
21) Naphthalene-d8	10.914	136	154736	20.00	ng	0.00
39) Acenaphthene-d10	14.745	164	93669	20.00	ng	0.00
64) Phenanthrene-d10	17.500	188	186908	20.00	ng	# 0.00
76) Chrysene-d12	21.801	240	160485	20.00	ng	# 0.00
86) Perylene-d12	25.156	264	168884	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.638	112	182781	81.01	ng	0.00
7) Phenol-d6	7.248	99	238051	74.59	ng	0.00
23) Nitrobenzene-d5	9.257	82	186640	54.00	ng	0.00
42) 2,4,6-Tribromophenol	16.237	330	94294	75.08	ng	0.00
45) 2-Fluorobiphenyl	13.358	172	343298	52.93	ng	0.00
79) Terphenyl-d14	20.109	244	341937	36.67	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.257	70	29825	13.85	ng	# 76
41) Hexachlorocyclopentadiene	12.976	237	83	5.91	ng	# 31
49) Acenaphthylene	14.463	152	41051	4.98	ng	93
51) 2,6-Dinitrotoluene	14.745	165	14550	8.98	ng	# 13
54) 2,4-Dinitrophenol	15.332	184	54	5.33	ng	# 29
58) Fluorene	15.791	166	18680	2.62	ng	87
67) 4-Bromophenyl-phenylether	16.231	248	6883	3.20	ng	# 1
71) Phenanthrene	17.542	178	384356	39.62	ng	96
72) Anthracene	17.636	178	44313	4.62	ng	96
73) Carbazole	17.900	167	22156	2.41	ng	94
75) Fluoranthene	19.557	202	658171	53.65	ng	100
78) Pyrene	19.921	202	689122	62.07	ng	99
81) Benzo(a)anthracene	21.784	228	299320	27.29	ng	96
83) Chrysene	21.854	228	343436	32.88	ng	98
87) Indeno(1,2,3-cd)pyrene	28.999	276	147273	11.87	ng	# 94
88) Benzo(b)fluoranthene	24.093	252	386595	33.74	ng	95
89) Benzo(k)fluoranthene	24.093	252	386595	35.88	ng	99
90) Benzo(a)pyrene	24.998	252	281312	26.65	ng	95
92) Benzo(g,h,i)perylene	30.203	276	139759	13.31	ng	99

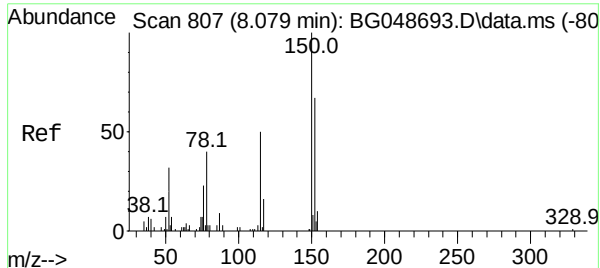
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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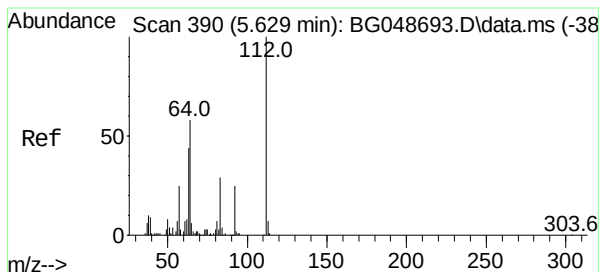
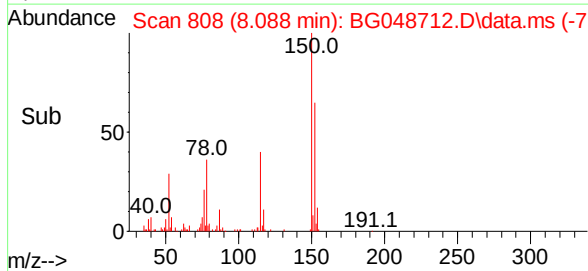
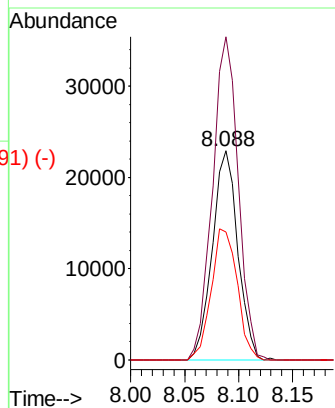
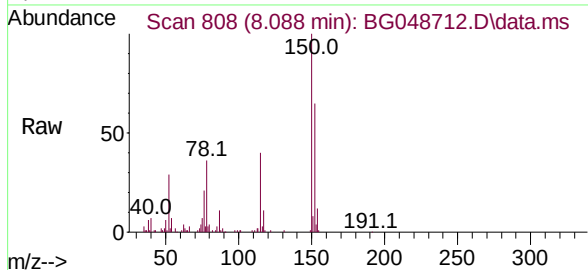




1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.088 min Scan# 808
 Delta R.T. 0.001 min
 Lab File: BG048712.D
 Acq: 15 Apr 2021 17:04

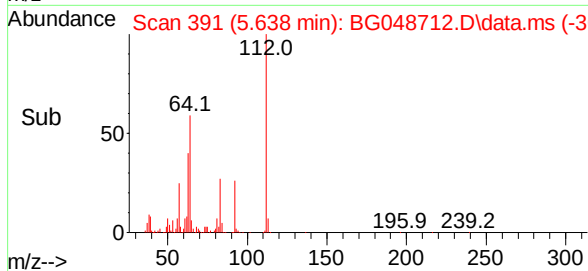
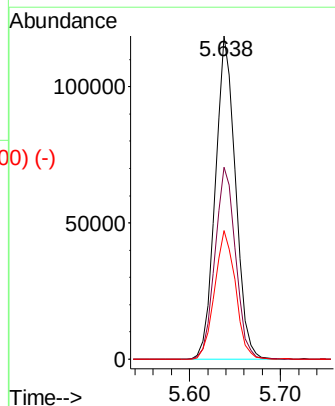
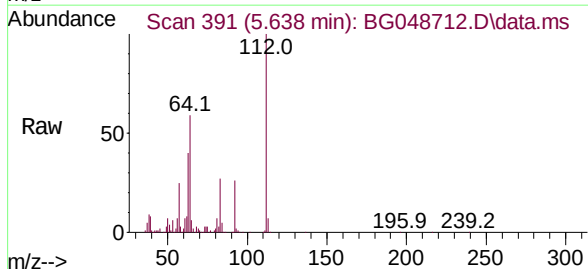
Instrument :
 BNA_G
 ClientSampleId :
 NANUET-ST-041221

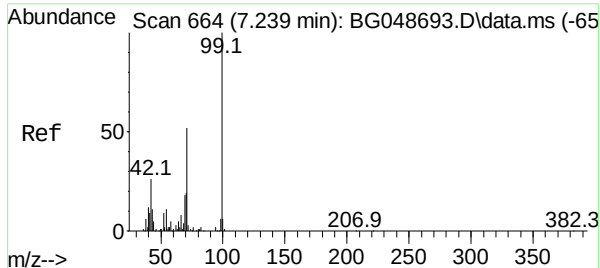
Tgt Ion:	152	Resp:	37735
Ion	Ratio	Lower	Upper
152	100		
150	154.4	119.4	179.0
115	61.2	60.2	90.4



2-Fluorophenol
 Concen: 81.01 ng
 RT: 5.638 min Scan# 391
 Delta R.T. 0.007 min
 Lab File: BG048712.D
 Acq: 15 Apr 2021 17:04

Tgt Ion:	112	Resp:	182781
Ion	Ratio	Lower	Upper
112	100		
64	59.4	46.7	70.1
63	39.8	35.3	52.9

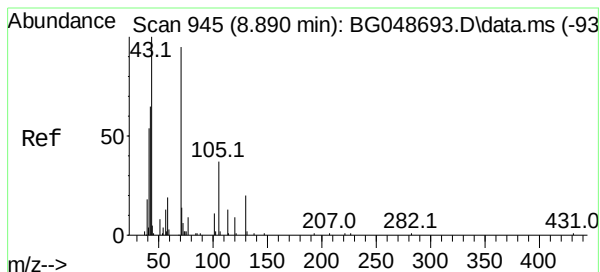
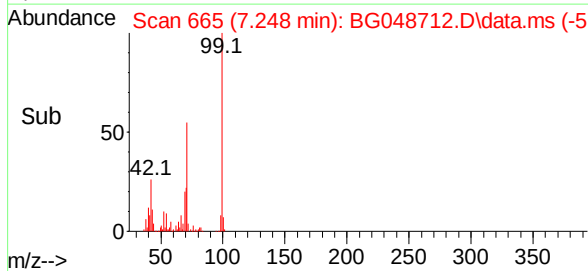
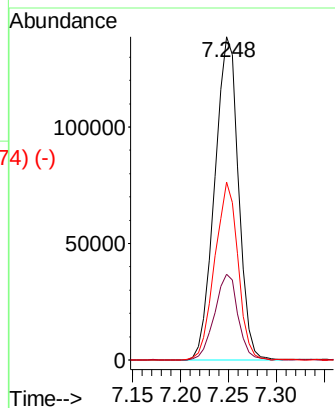
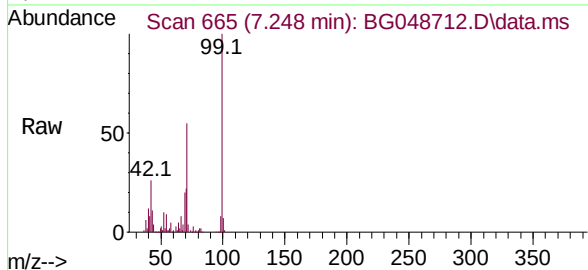




Phenol-d6
 Concen: 74.59 ng
 RT: 7.248 min Scan# 665
 Delta R.T. 0.007 min
 Lab File: BG048712.D
 Acq: 15 Apr 2021 17:04

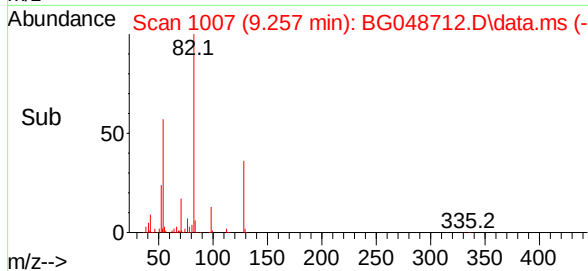
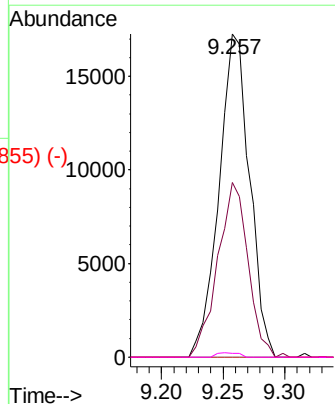
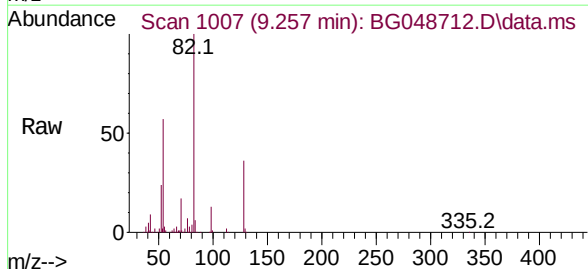
Instrument :
 BNA_G
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Tgt Ion:	99	Resp:	238051
Ion	Ratio	Lower	Upper
99	100		
42	26.5	20.5	30.7
71	55.1	41.5	62.3



n-Nitroso-di-n-propylamine
 Concen: 13.85 ng
 RT: 9.257 min Scan# 1007
 Delta R.T. 0.365 min
 Lab File: BG048712.D
 Acq: 15 Apr 2021 17:04

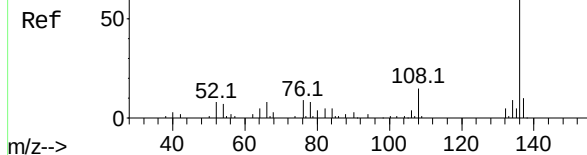
Tgt Ion:	70	Resp:	29825
Ion	Ratio	Lower	Upper
70	100		
42	54.1	54.5	81.7#
101	0.0	9.0	13.6#
130	1.1	17.0	25.6#



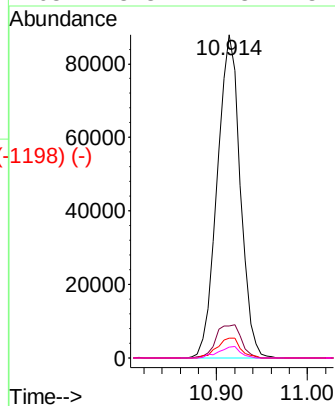
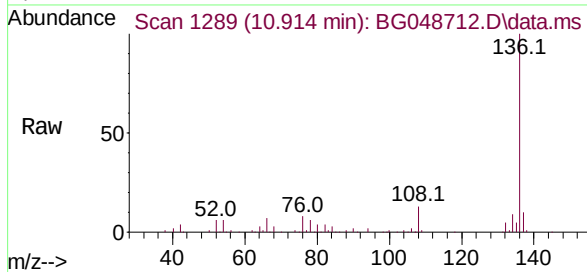
Abundance Scan 1289 (10.911 min): BG048693.D\data.ms (-1281) (-)

Naphthalene-d8
Concen: 20.00 ng
RT: 10.914 min Scan# 1289
Delta R.T. 0.007 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

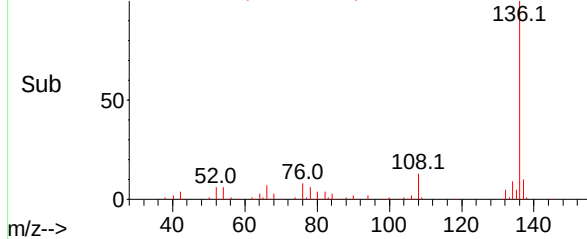
Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221



Tgt Ion:	136	Resp:	154736
Ion	Ratio	Lower	Upper
136	100		
137	9.9	8.2	12.2
54	6.0	5.5	8.3
68	3.3	2.3	3.5



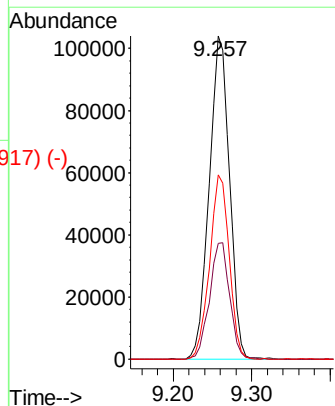
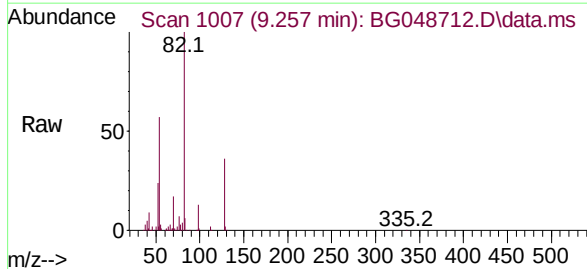
Abundance Scan 1289 (10.914 min): BG048712.D\data.ms (-1198) (-)



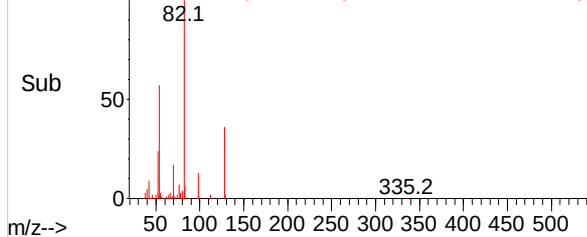
Abundance Scan 1007 (9.254 min): BG048693.D\data.ms (-1003) (-)

Nitrobenzene-d5
Concen: 54.00 ng
RT: 9.257 min Scan# 1007
Delta R.T. 0.001 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

Tgt Ion:	82	Resp:	186640
Ion	Ratio	Lower	Upper
82	100		
128	35.7	29.8	44.6
54	57.0	45.8	68.8



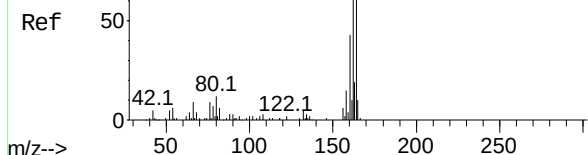
Abundance Scan 1007 (9.257 min): BG048712.D\data.ms (-917) (-)



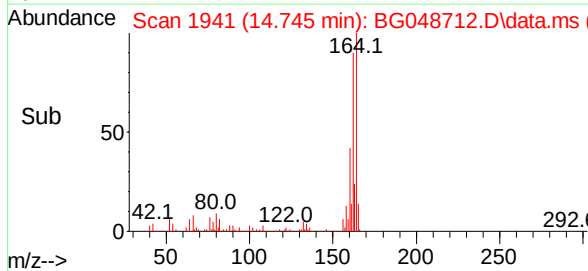
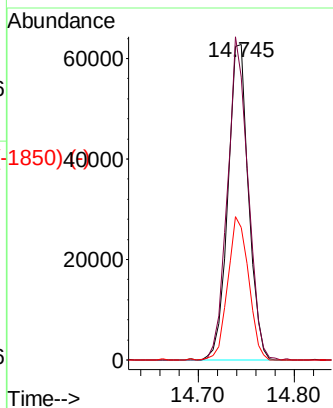
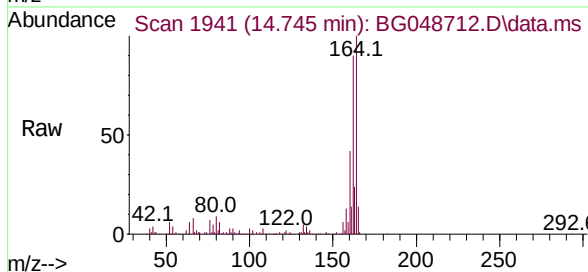
Abundance Scan 1940 (14.736 min): BG048693.D\data.ms (-1939) (-)

Acenaphthene-d10
Concen: 20.00 ng
RT: 14.745 min Scan# 1941
Delta R.T. 0.007 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221

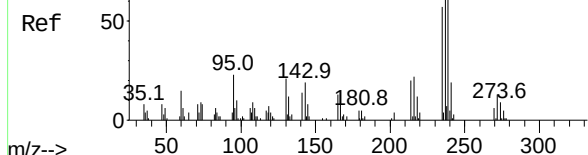


Tgt Ion	Ratio	Lower	Upper
164	100		
162	89.7	81.4	122.0
160	41.9	34.9	52.3

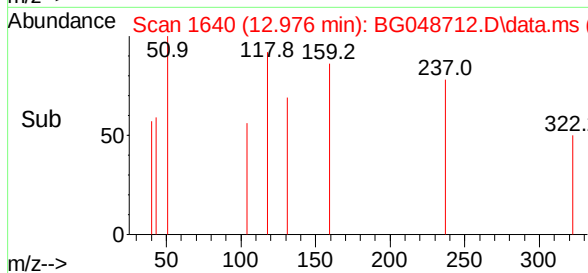
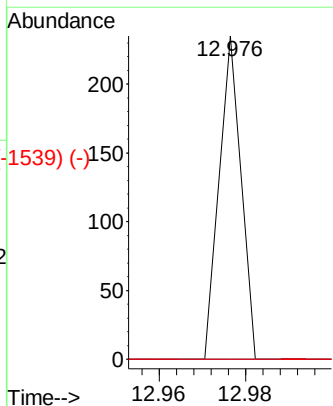
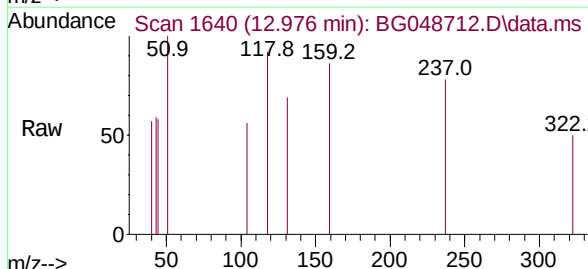


Abundance Scan 1629 (12.908 min): BG048693.D\data.ms (-1641) (-)

Hexachlorocyclopentadiene
Concen: 5.91 ng
RT: 12.976 min Scan# 1640
Delta R.T. 0.065 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04



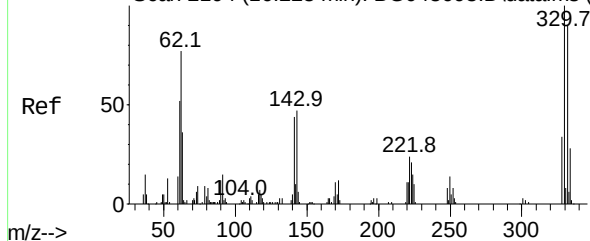
Tgt Ion	Ratio	Lower	Upper
237	100		
235	0.0	36.6	76.6#
272	0.0	0.0	32.5



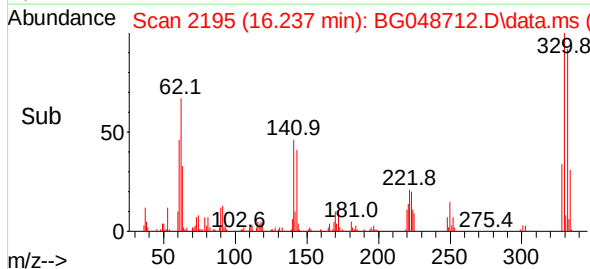
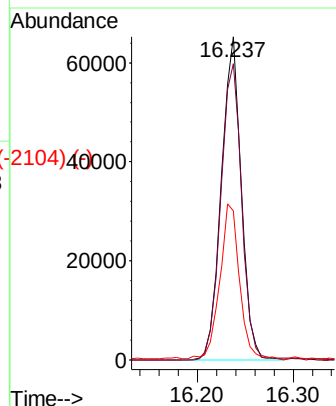
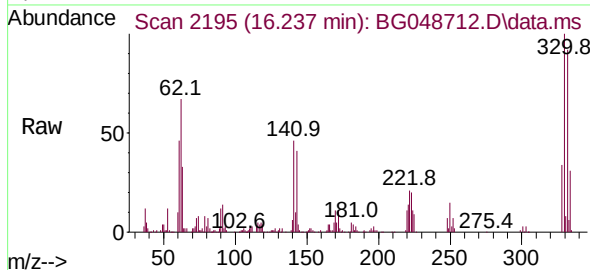
Abundance Scan 2194 (16.228 min): BG048693.D\data.ms (-1642) (-)

2,4,6-Tribromophenol
Concen: 75.08 ng
RT: 16.237 min Scan# 2195
Delta R.T. 0.007 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221

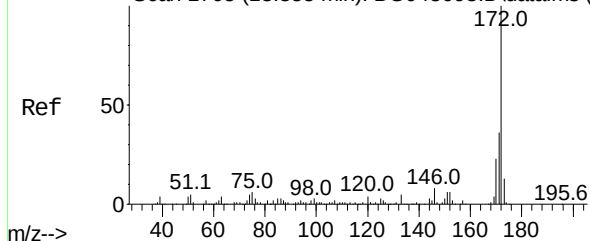


Tgt Ion:	330	Resp:	94294
Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.3	115.9
141	48.0	35.6	53.4

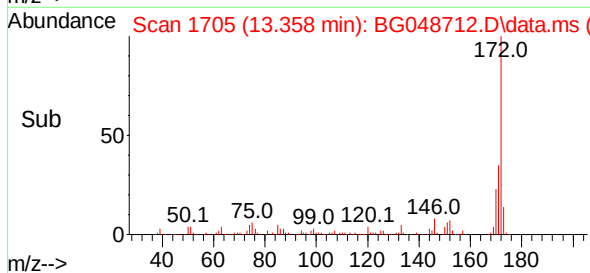
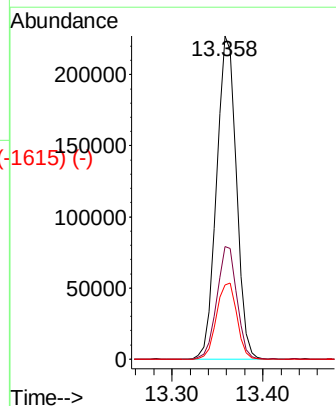
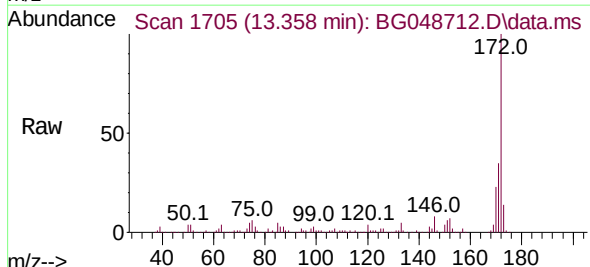


Abundance Scan 1705 (13.355 min): BG048693.D\data.ms (-1645) (-)

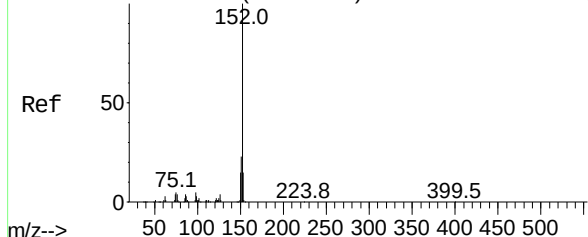
2-Fluorobiphenyl
Concen: 52.93 ng
RT: 13.358 min Scan# 1705
Delta R.T. 0.001 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04



Tgt Ion:	172	Resp:	343298
Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.6	43.0
170	22.9	18.6	27.8



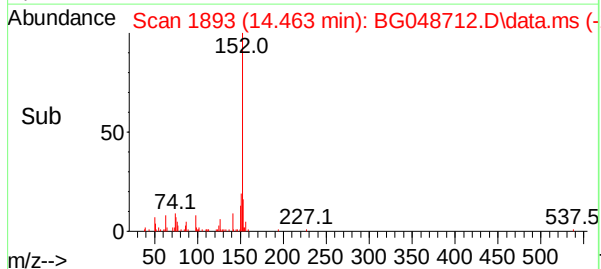
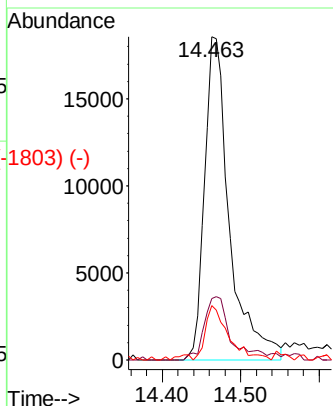
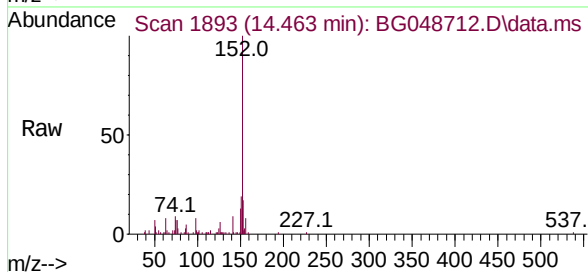
Abundance Scan 1893 (14.459 min): BG048693.D\data.ms (-1803) (-)



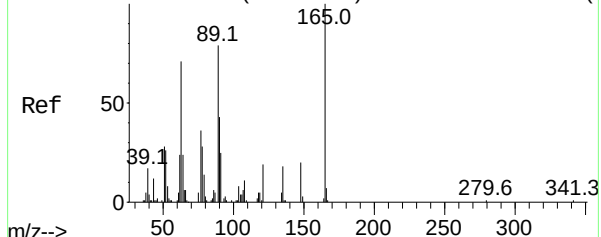
Acenaphthylene
Concen: 4.98 ng
RT: 14.463 min Scan# 1893
Delta R.T. 0.001 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

Instrument :
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Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.0	18.2	27.4
153	16.8	11.7	17.5

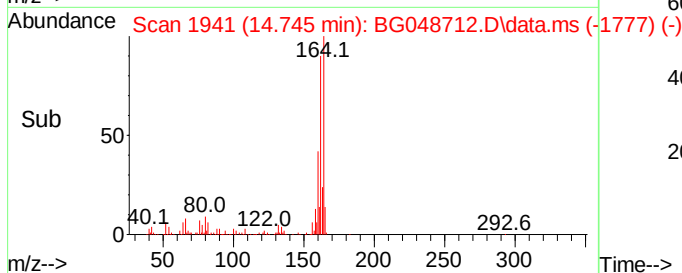
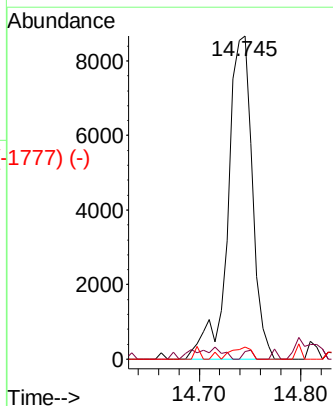
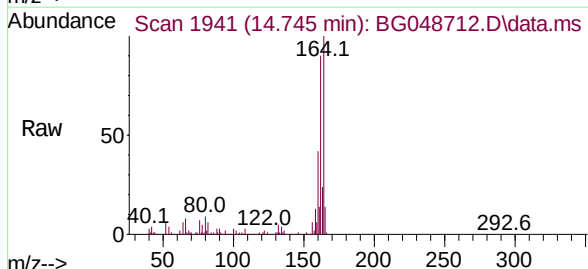


Abundance Scan 1867 (14.307 min): BG048693.D\data.ms (-1850) (-)

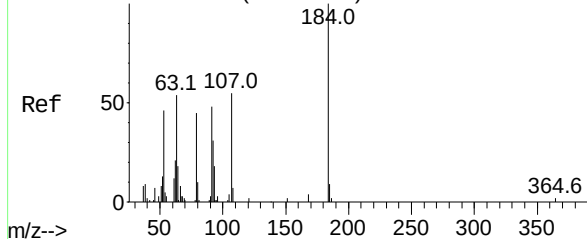


2,6-Dinitrotoluene
Concen: 8.98 ng
RT: 14.745 min Scan# 1941
Delta R.T. 0.435 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	63.3	94.9#
89	3.8	63.4	95.0#



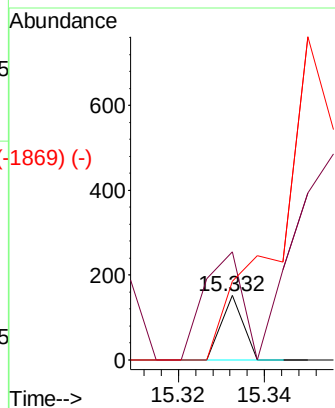
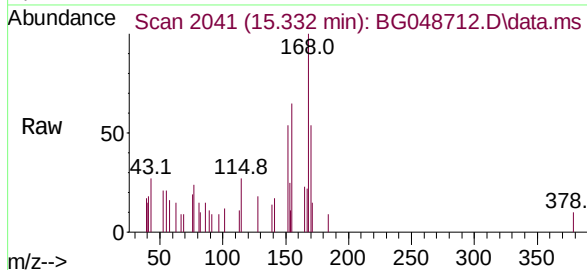
Abundance Scan 1959 (14.847 min): BG048693.D\data.ms (-1959) (-)



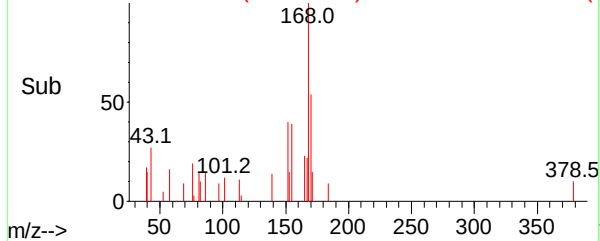
2,4-Dinitrophenol
Concen: 5.33 ng
RT: 15.332 min Scan# 2041
Delta R.T. 0.482 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221

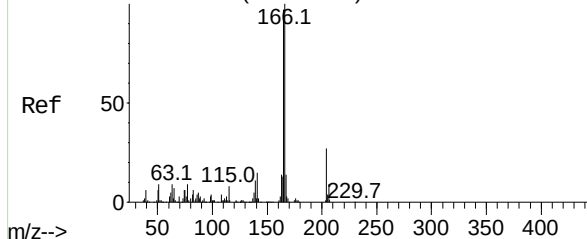
Tgt Ion:	184	Resp:	54
Ion	Ratio	Lower	Upper
184	100		
63	167.8	68.3	102.5#
154	121.7	62.6	93.8#



Abundance Scan 2041 (15.332 min): BG048712.D\data.ms (-1869) (-)

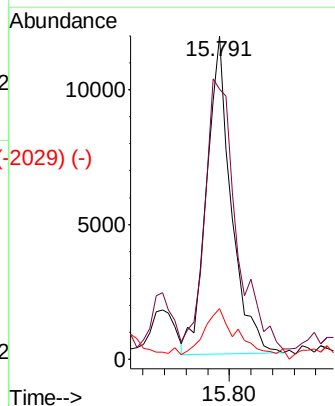
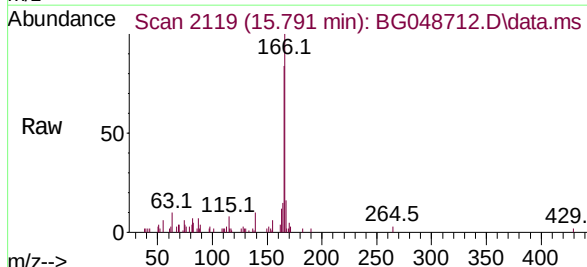


Abundance Scan 2119 (15.787 min): BG048693.D\data.ms (-2119) (-)

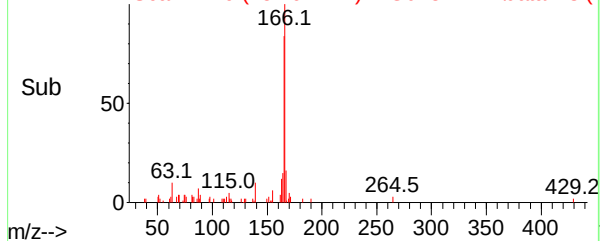


Fluorene
Concen: 2.62 ng
RT: 15.791 min Scan# 2119
Delta R.T. 0.001 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

Tgt Ion:	166	Resp:	18680
Ion	Ratio	Lower	Upper
166	100		
165	83.5	77.7	116.5
167	15.7	10.8	16.2



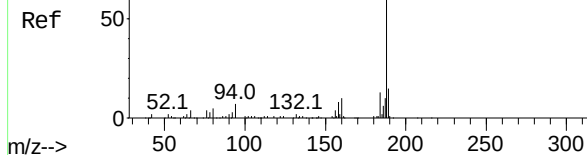
Abundance Scan 2119 (15.791 min): BG048712.D\data.ms (-2029) (-)



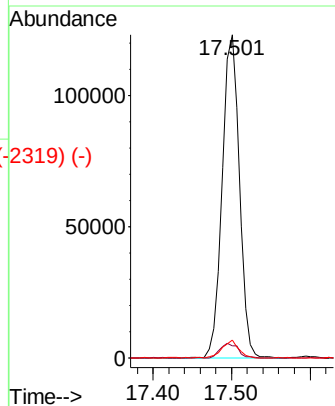
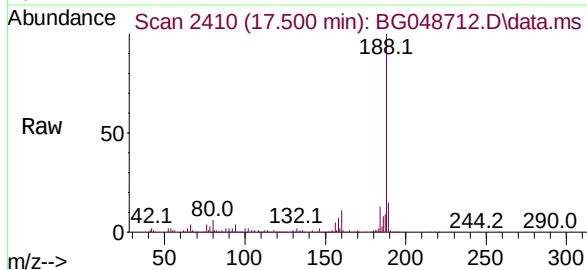
Abundance Scan 2410 (17.497 min): BG048693.D\data.ms (-2402) (-)

Phenanthrene-d10
Concen: 20.00 ng
RT: 17.500 min Scan# 2410
Delta R.T. 0.007 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

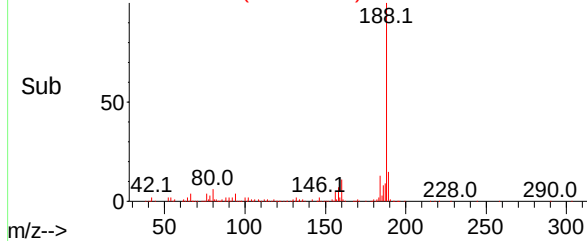
Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221



Tgt Ion:	188	Resp:	186908
Ion	Ratio	Lower	Upper
188	100		
94	3.7	5.4	8.0#
80	5.5	3.7	5.5

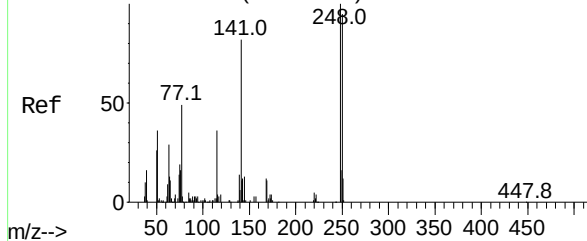


Abundance Scan 2410 (17.500 min): BG048712.D\data.ms (-2319) (-)

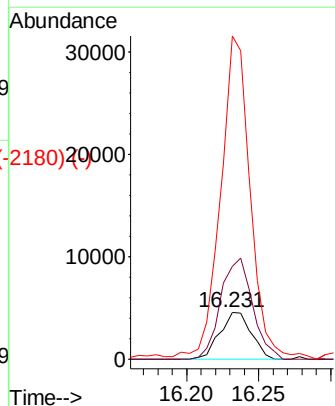
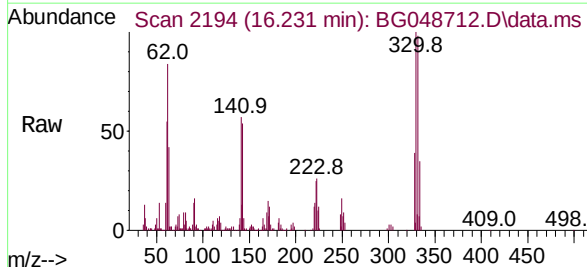


Abundance Scan 2270 (16.674 min): BG048693.D\data.ms (-2637) (-)

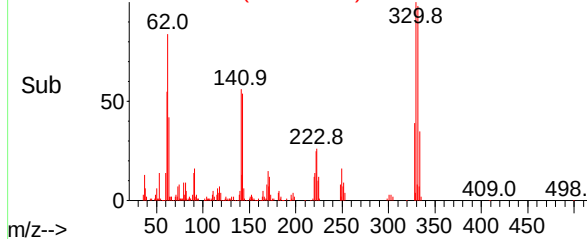
4-Bromophenyl-phenylether
Concen: 3.20 ng
RT: 16.231 min Scan# 2194
Delta R.T. -0.446 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04



Tgt Ion:	248	Resp:	6883
Ion	Ratio	Lower	Upper
248	100		
250	197.1	76.1	114.1#
141	688.9	65.4	98.2#



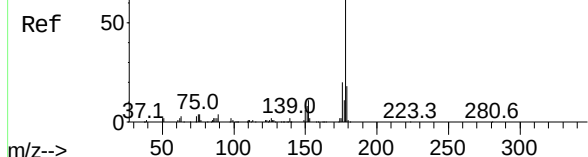
Abundance Scan 2194 (16.231 min): BG048712.D\data.ms (-2180) (-)



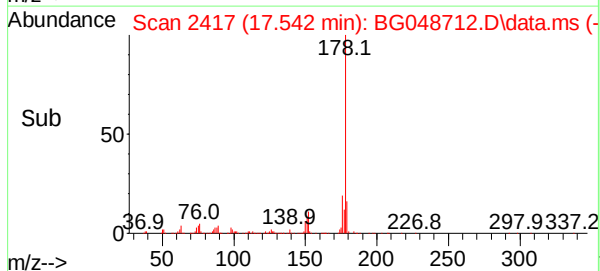
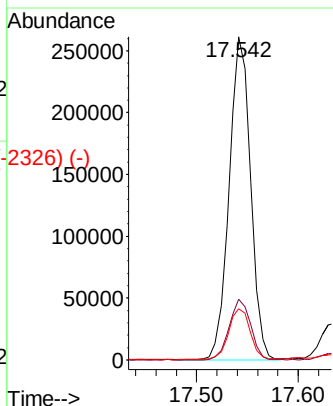
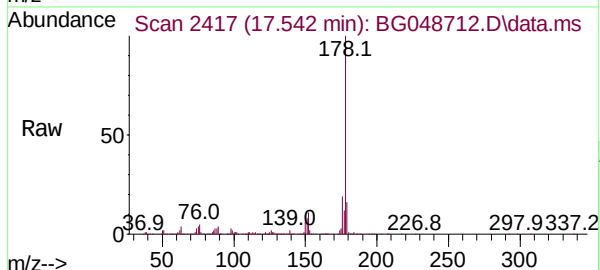
Abundance Scan 2417 (17.538 min): BG048693.D\data.ms (-2479) (-)

Phenanthrene
Concen: 39.62 ng
RT: 17.542 min Scan# 2417
Delta R.T. 0.007 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221

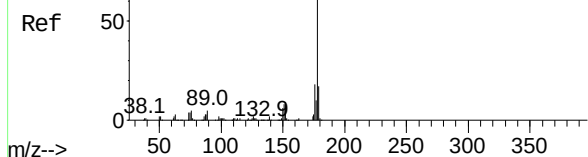


Tgt Ion:	178	Resp:	384356
Ion Ratio	Lower	Upper	
178	100		
176	18.8	16.0	24.0
179	15.7	14.2	21.4

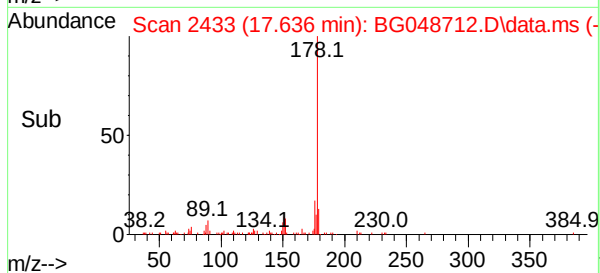
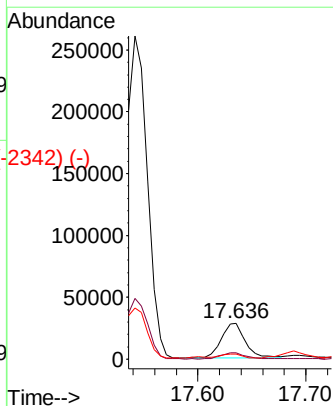
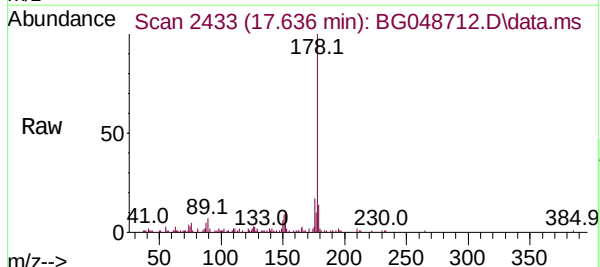


Abundance Scan 2432 (17.626 min): BG048693.D\data.ms (-2479) (-)

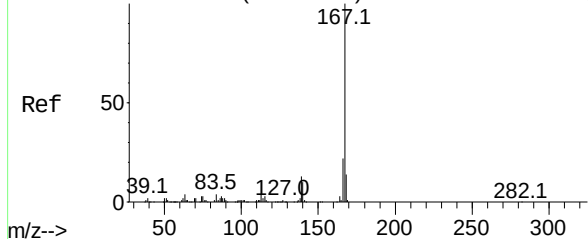
Anthracene
Concen: 4.62 ng
RT: 17.636 min Scan# 2433
Delta R.T. 0.007 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04



Tgt Ion:	178	Resp:	44313
Ion Ratio	Lower	Upper	
178	100		
176	17.0	14.6	21.8
179	14.1	13.4	20.0



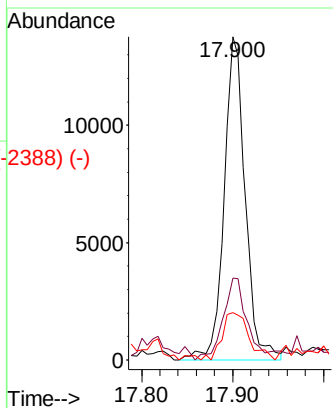
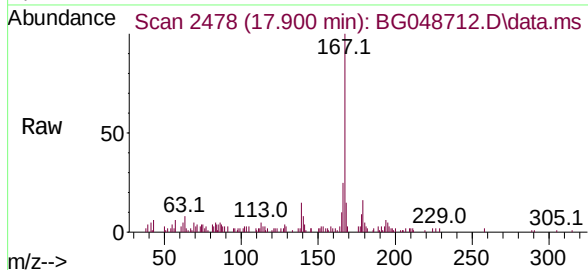
Abundance Scan 2478 (17.897 min): BG048693.D\data.ms (-2478) (-)



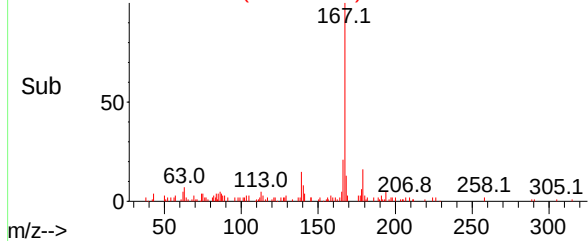
Carbazole
Concen: 2.41 ng
RT: 17.900 min Scan# 2478
Delta R.T. 0.001 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221

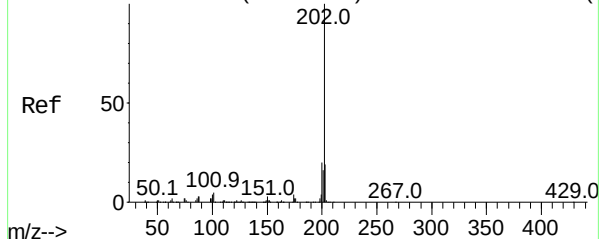
Tgt Ion:	167	Resp:	22156
Ion	Ratio	Lower	Upper
167	100		
166	25.4	17.4	26.2
139	14.7	10.7	16.1



Abundance Scan 2478 (17.900 min): BG048712.D\data.ms (-2388) (-)

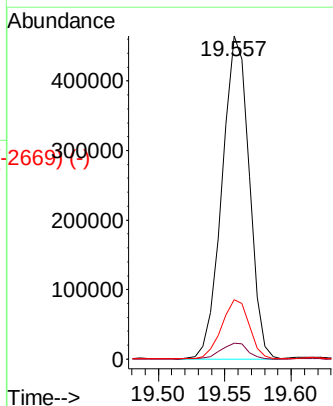
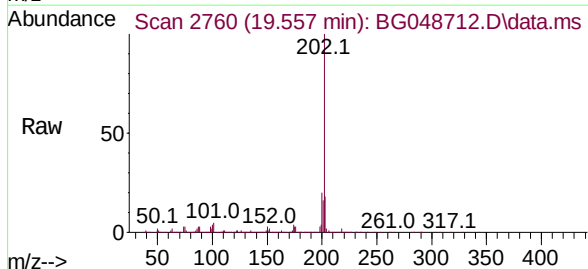


Abundance Scan 2759 (19.548 min): BG048693.D\data.ms (-2759) (-)

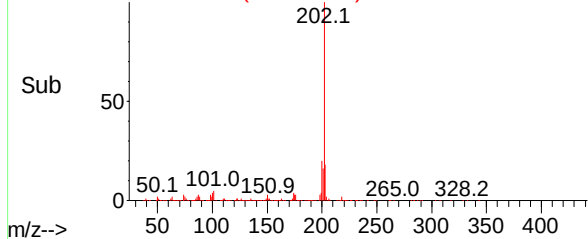


Fluoranthene
Concen: 53.65 ng
RT: 19.557 min Scan# 2760
Delta R.T. 0.007 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

Tgt Ion:	202	Resp:	658171
Ion	Ratio	Lower	Upper
202	100		
101	4.9	0.0	24.7
203	18.4	0.0	38.5



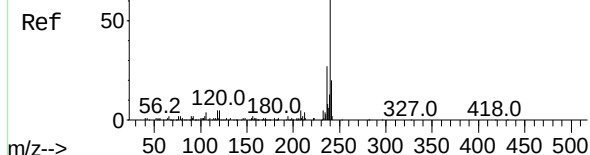
Abundance Scan 2760 (19.557 min): BG048712.D\data.ms (-2669) (-)



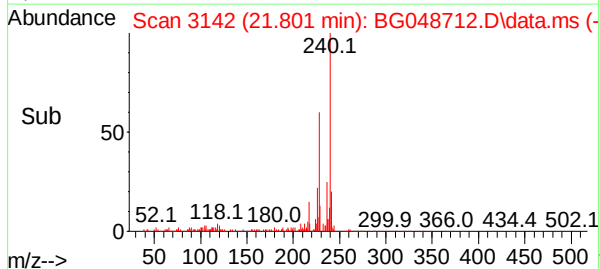
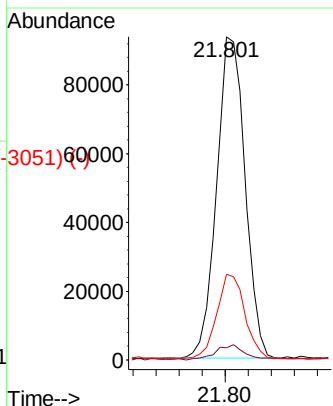
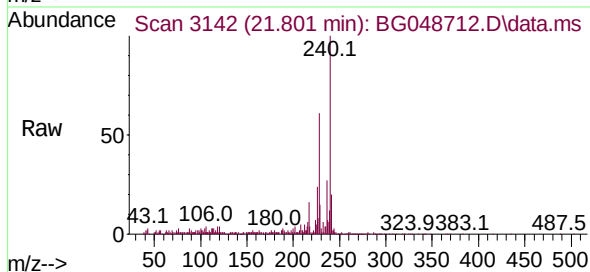
Abundance Scan 3142 (21.798 min): BG048693.D\data.ms (-3174) (-)

Chrysene-d12
Concen: 20.00 ng
RT: 21.801 min Scan# 3142
Delta R.T. 0.007 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221

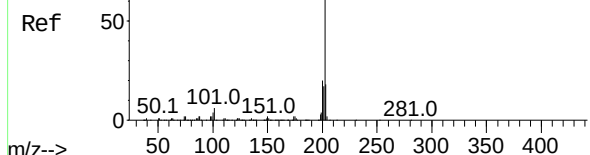


Tgt Ion	Ratio	Lower	Upper
240	100		
120	3.8	4.2	6.2#
236	26.5	21.8	32.6

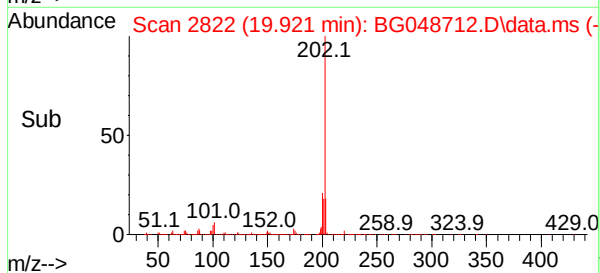
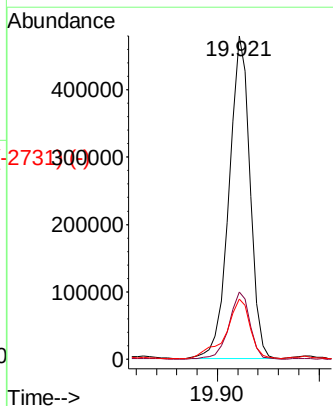
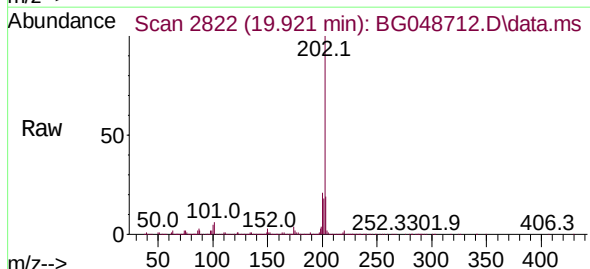


Abundance Scan 2821 (19.912 min): BG048693.D\data.ms (-2872) (-)

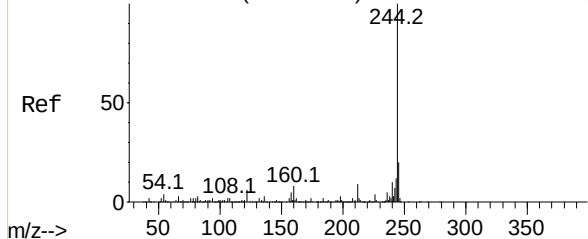
Pyrene
Concen: 62.07 ng
RT: 19.921 min Scan# 2822
Delta R.T. 0.007 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04



Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	15.8	23.8
203	18.5	14.6	21.8



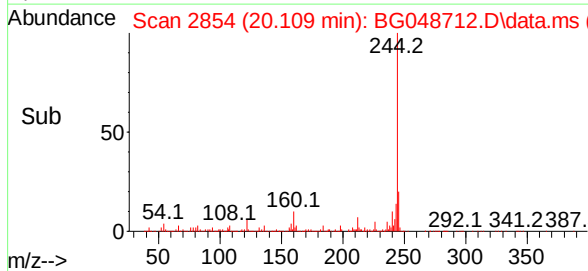
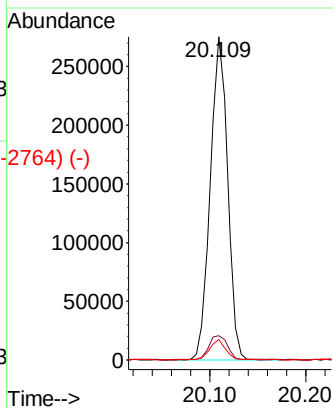
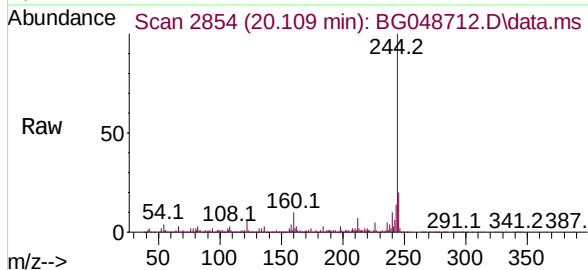
Abundance Scan 2854 (20.106 min): BG048693.D\data.ms (-2679) (-)



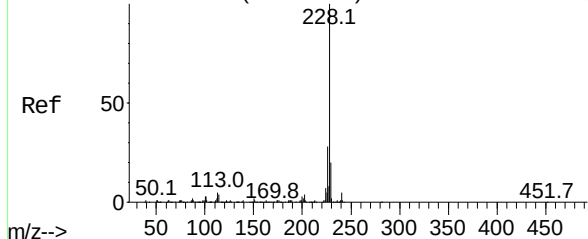
Terphenyl-d14
Concen: 36.67 ng
RT: 20.109 min Scan# 2854
Delta R.T. 0.001 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221

Tgt Ion:244 Resp: 341937
Ion Ratio Lower Upper
244 100
212 7.4 6.9 10.3
122 6.2 5.0 7.6

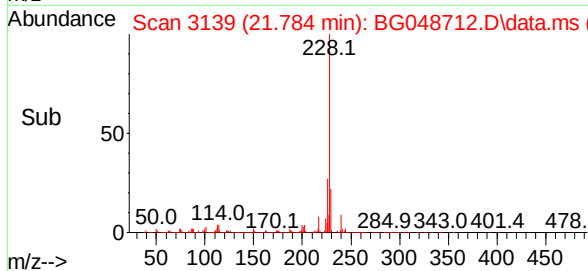
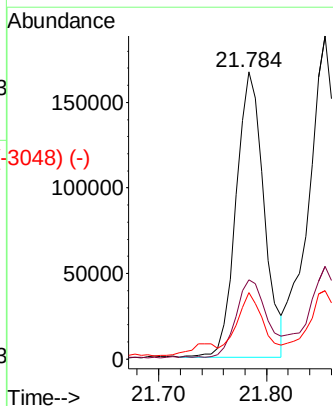
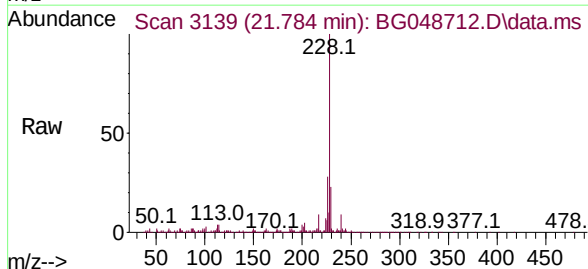


Abundance Scan 3138 (21.774 min): BG048693.D\data.ms (-3129) (-)



Benzo(a)anthracene
Concen: 27.29 ng
RT: 21.784 min Scan# 3139
Delta R.T. 0.007 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

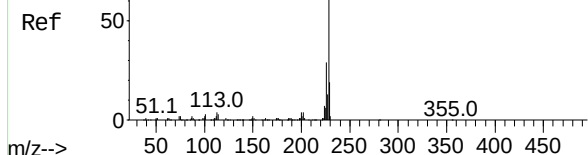
Tgt Ion:228 Resp: 299320
Ion Ratio Lower Upper
228 100
226 27.5 22.7 34.1
229 23.1 16.0 24.0



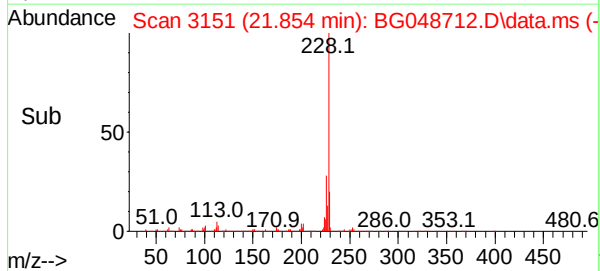
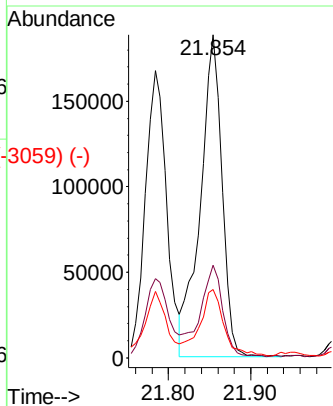
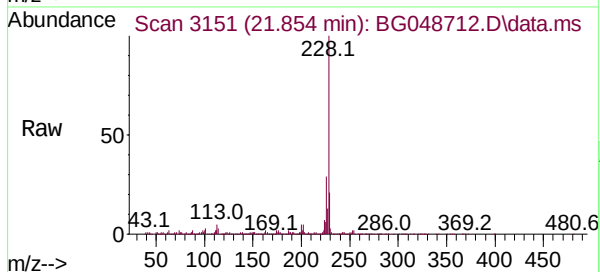
Abundance Scan 3150 (21.845 min): BG048693.D\data.ms (-3188) (-)

Chrysene
Concen: 32.88 ng
RT: 21.854 min Scan# 3151
Delta R.T. 0.012 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221

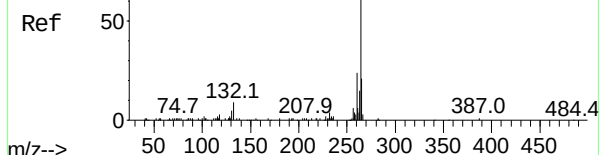


Tgt Ion:	228	Resp:	343436
Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.1	34.7
229	21.1	15.3	22.9

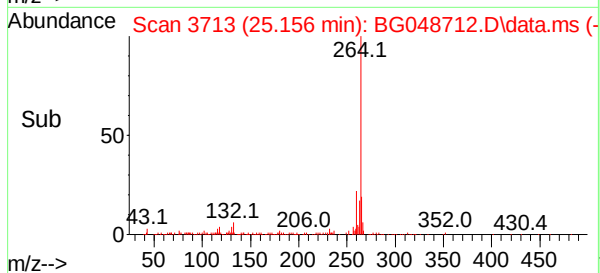
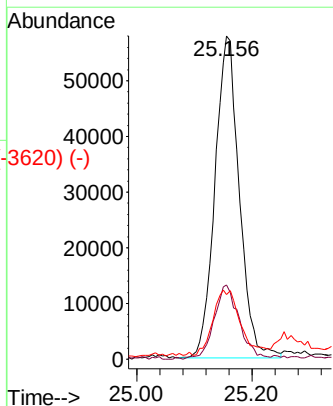
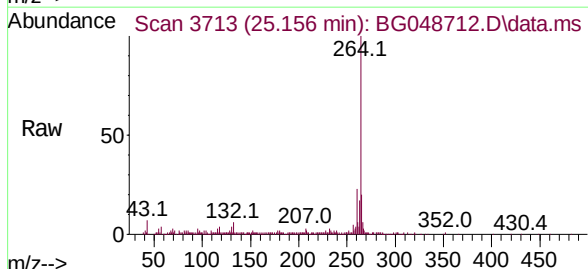


Abundance Scan 3710 (25.135 min): BG048693.D\data.ms (-3696) (-)

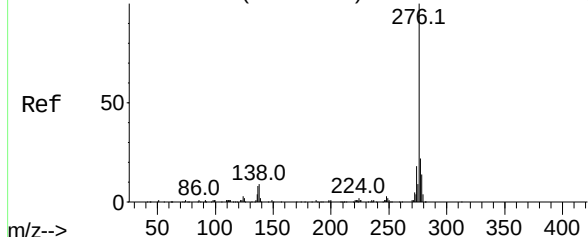
Perylene-d12
Concen: 20.00 ng
RT: 25.156 min Scan# 3713
Delta R.T. 0.018 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04



Tgt Ion:	264	Resp:	168884
Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.4	29.2
265	20.0	16.9	25.3



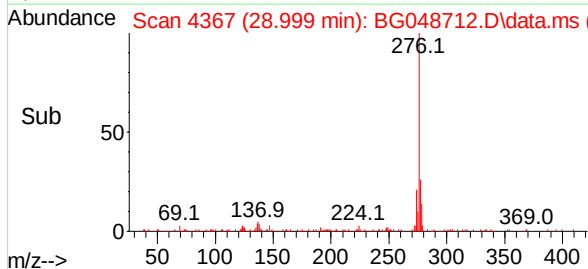
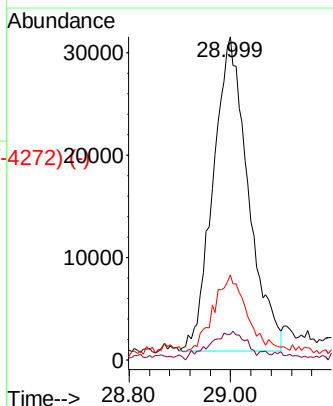
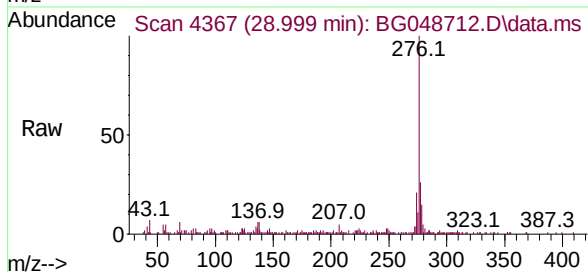
Abundance Scan 4364 (28.978 min): BG048693.D\data.ms (-4364) (-)



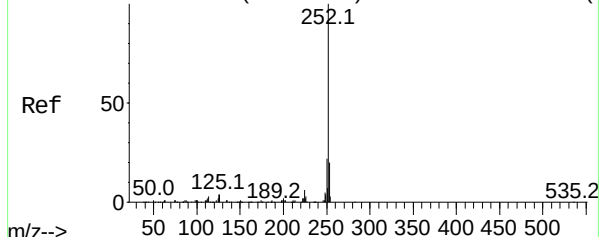
Indeno(1,2,3-cd)pyrene
Concen: 11.87 ng
RT: 28.999 min Scan# 4367
Delta R.T. 0.030 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221

Tgt Ion:	276	Resp:	147273
Ion	Ratio	Lower	Upper
276	100		
138	9.3	5.1	7.7#
277	22.2	19.8	29.6

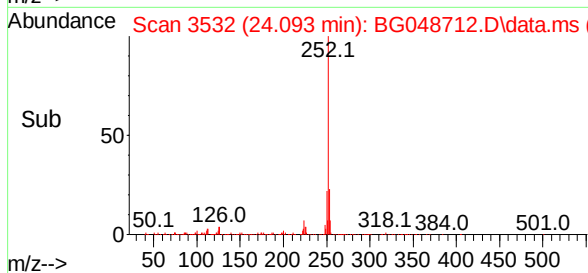
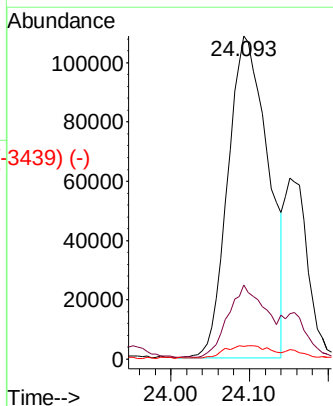
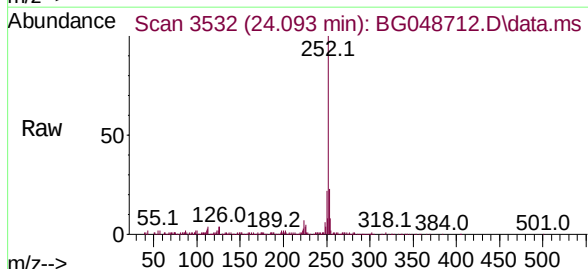


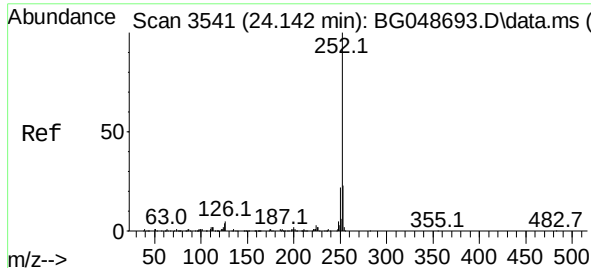
Abundance Scan 3530 (24.078 min): BG048693.D\data.ms (-3530) (-)



Benzo(b)fluoranthene
Concen: 33.74 ng
RT: 24.093 min Scan# 3532
Delta R.T. 0.018 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

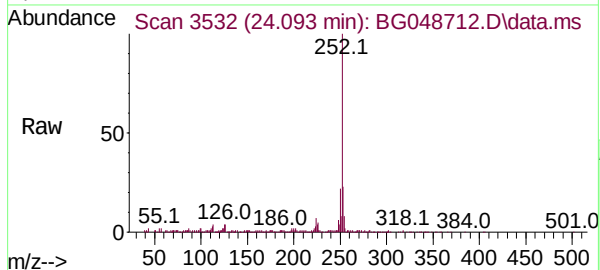
Tgt Ion:	252	Resp:	386595
Ion	Ratio	Lower	Upper
252	100		
253	23.0	16.2	24.4
125	4.0	3.0	4.4



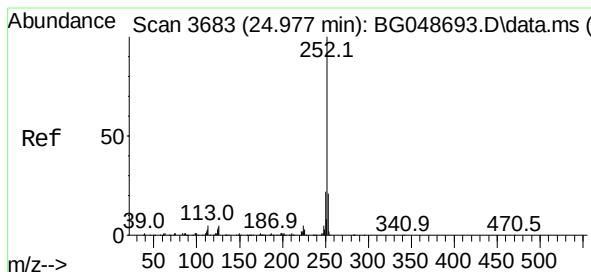
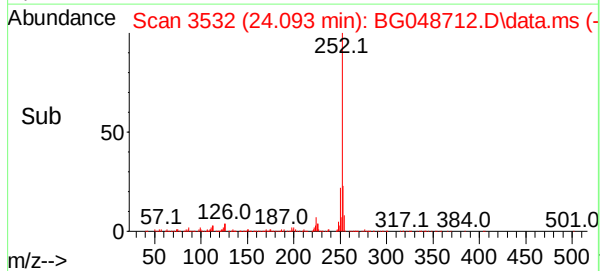
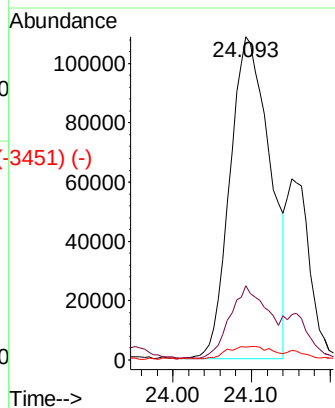


Scan 3541 (24.142 min): BG048693.D\data.ms (-3539) (-)
 Benzo(k)fluoranthene
 Concen: 35.88 ng
 RT: 24.093 min Scan# 3532
 Delta R.T. -0.052 min
 Lab File: BG048712.D
 Acq: 15 Apr 2021 17:04

Instrument :
 BNA_G
 ClientSampleId :
 NANUET-ST-041221

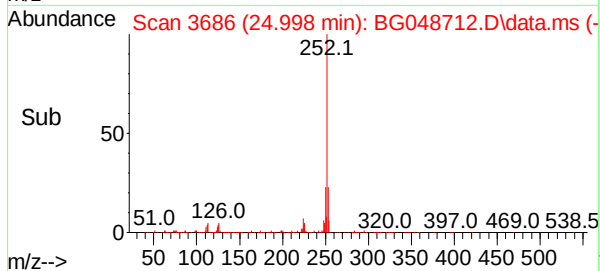
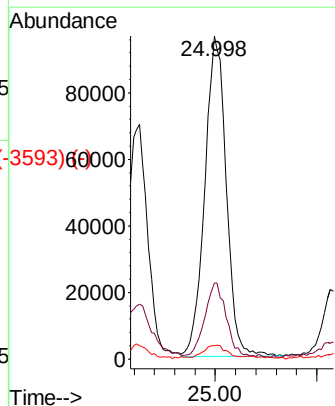
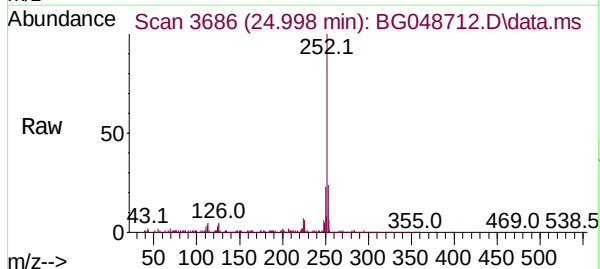


Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	4.0	3.1	4.7

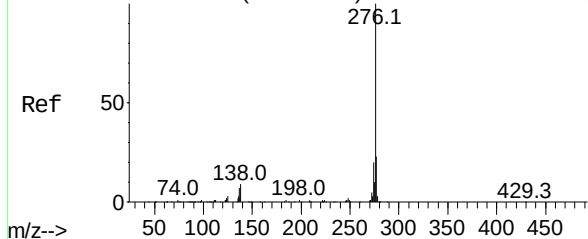


Scan 3683 (24.977 min): BG048693.D\data.ms (-3680) (-)
 Benzo(a)pyrene
 Concen: 26.65 ng
 RT: 24.998 min Scan# 3686
 Delta R.T. 0.018 min
 Lab File: BG048712.D
 Acq: 15 Apr 2021 17:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	16.6	25.0
125	4.1	3.5	5.3



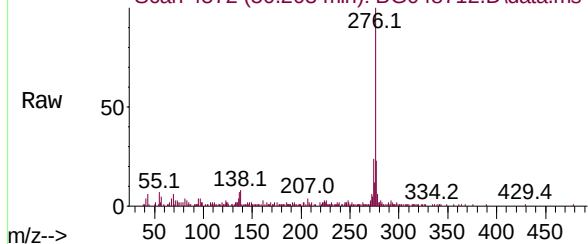
Abundance Scan 4569 (30.182 min): BG048693.D\data.ms (-4569) (-)



Benzo(g,h,i)perylene
Concen: 13.31 ng
RT: 30.203 min Scan# 4572
Delta R.T. 0.024 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221

Abundance Scan 4572 (30.203 min): BG048712.D\data.ms



Tgt Ion:	276	Resp:	139759
Ion	Ratio	Lower	Upper
276	100		
277	22.5	18.4	27.6
138	7.8	7.0	10.6

Abundance Scan 4572 (30.203 min): BG048712.D\data.ms (-4478) (-)

