

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

Instrument :
 BNA_G
 ClientSampleId :
 NANUET-ST-041221

Manual Integrations
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mohammad
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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
49) Acenaphthylene	14.463	152	41051	4.98	ng	93
58) Fluorene	15.791	166	18680	2.62	ng	87
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	24.152	252	125910m	11.69	ng	
90) Benzo(a)pyrene	24.998	252	281312	26.65	ng	95
91) Dibenzo(a,h)anthracene	29.028	278	43255m	4.07	ng	
92) Benzo(g,h,i)perylene	30.203	276	139759	13.31	ng	99

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

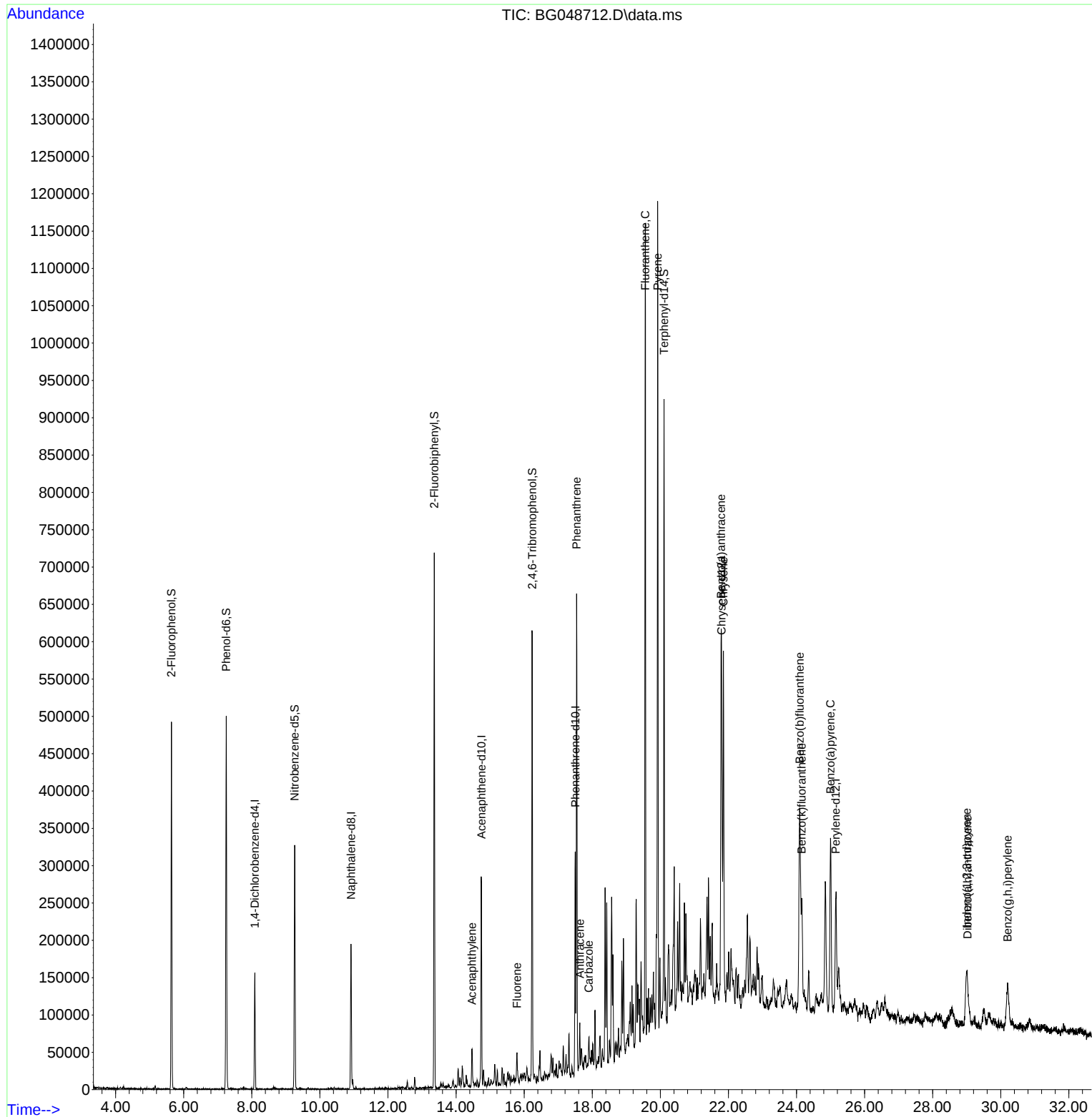
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041521\
Data File : BG048712.D
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Operator : CG/JU
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ALS Vial : 13 Sample Multiplier: 1

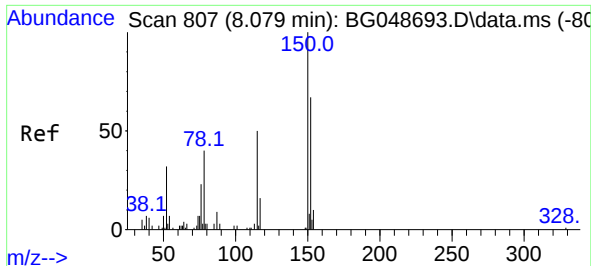
Instrument :
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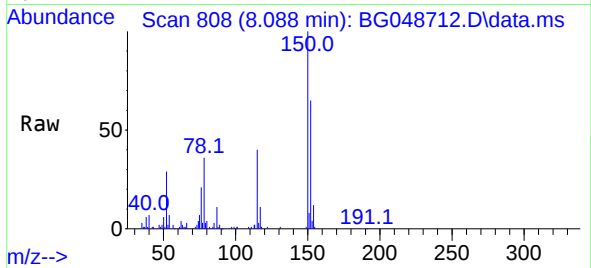
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 15 10:59:37 2021
Response via : Initial Calibration

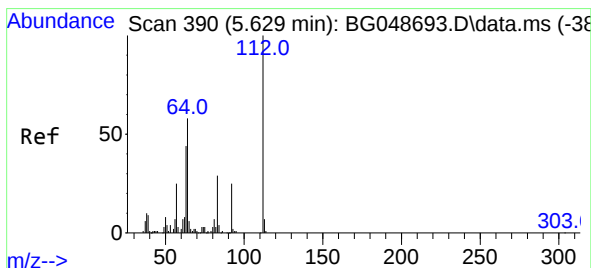
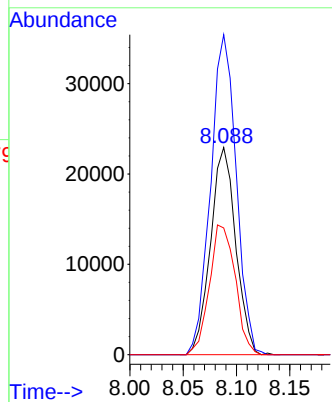
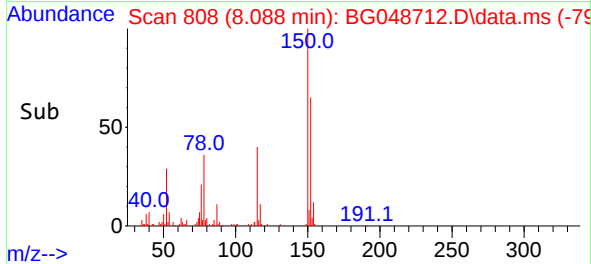




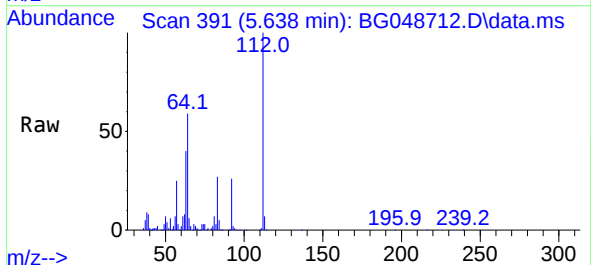
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.088 min Scan# 808
Delta R.T. 0.001 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04



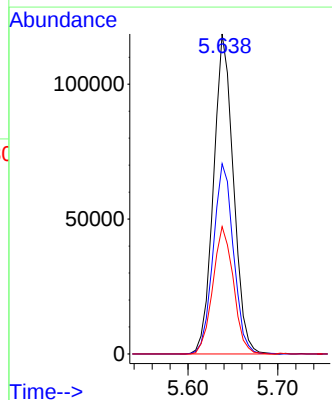
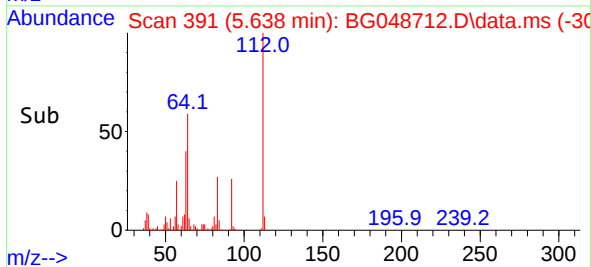
Tgt Ion:152 Resp: 37735
Ion Ratio Lower Upper
152 100
150 154.4 119.4 179.0
115 61.2 60.2 90.4



#5
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



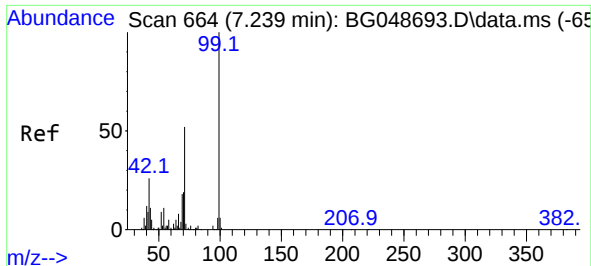
Tgt Ion:112 Resp: 182781
Ion Ratio Lower Upper
112 100
64 59.4 46.7 70.1
63 39.8 35.3 52.9



Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221

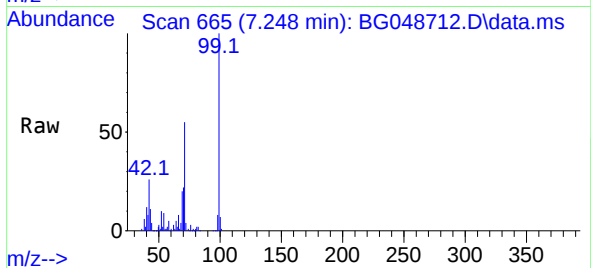
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#7
Phenol-d6
Concen: 74.59 ng
RT: 7.248 min Scan# 665
Delta R.T. 0.007 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221

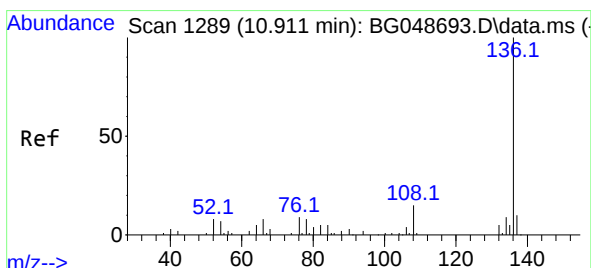
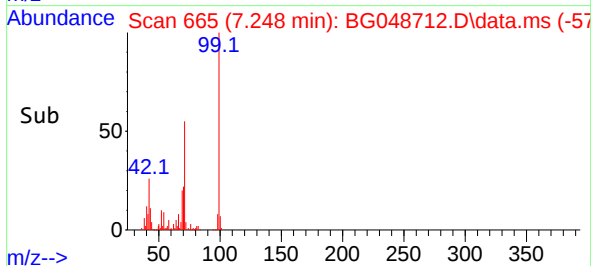
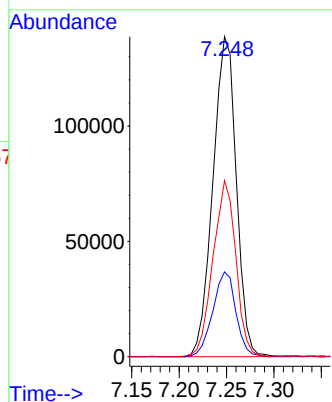


Tgt Ion: 99 Resp: 238051

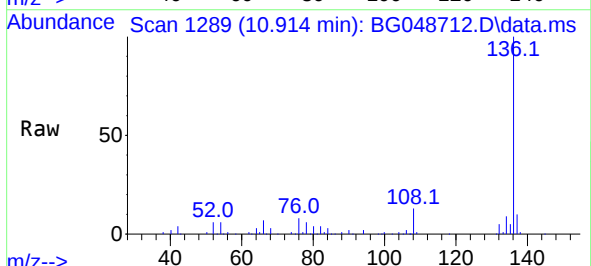
Ion	Ratio	Lower	Upper
99	100		
42	26.5	20.5	30.7
71	55.1	41.5	62.3

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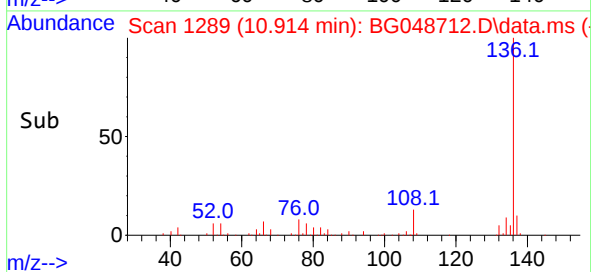
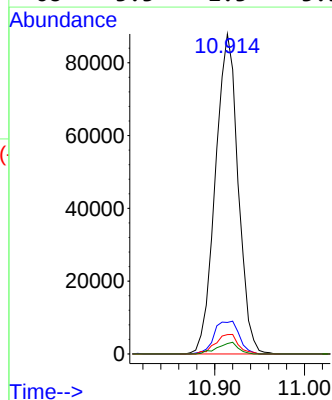


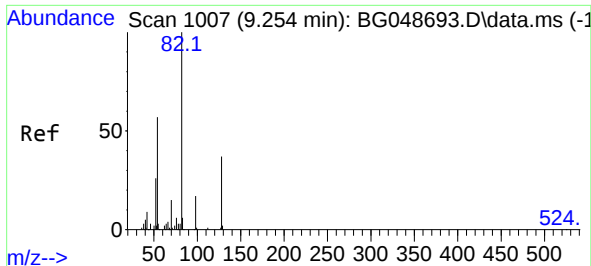
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.914 min Scan# 1289
Delta R.T. 0.007 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04



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





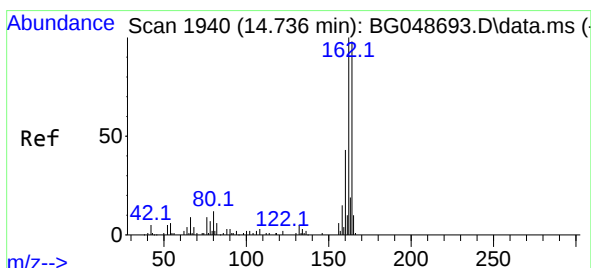
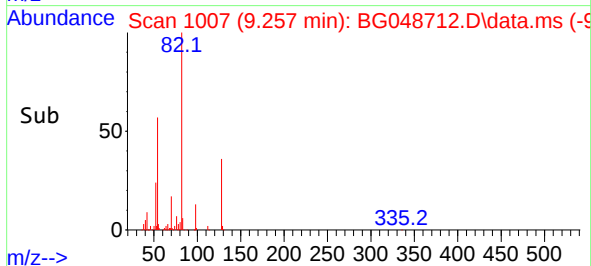
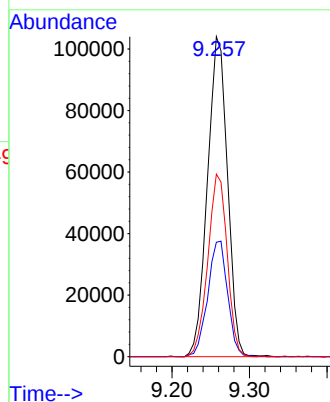
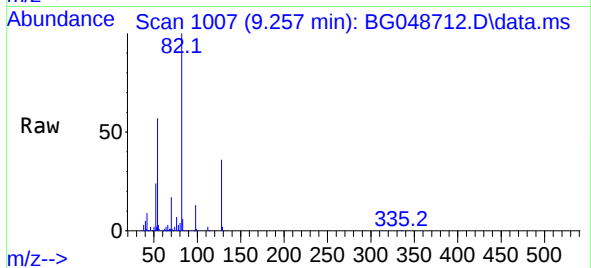
#23
Nitrobenzene-d5
Concen: 54.00 ng
RT: 9.257 min Scan# 1007
Delta R.T. 0.001 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

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

Instrument :
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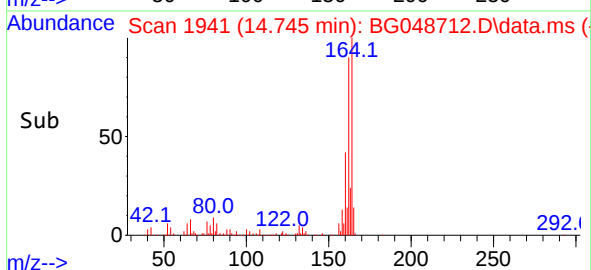
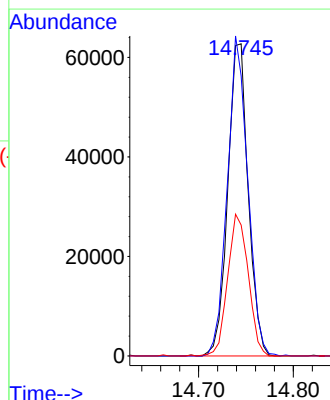
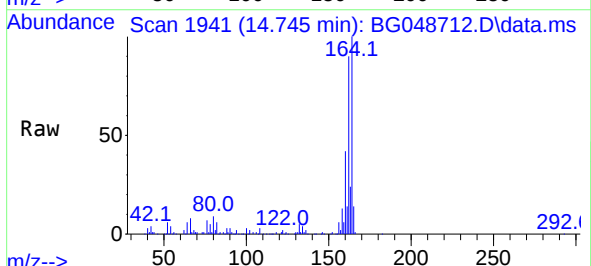
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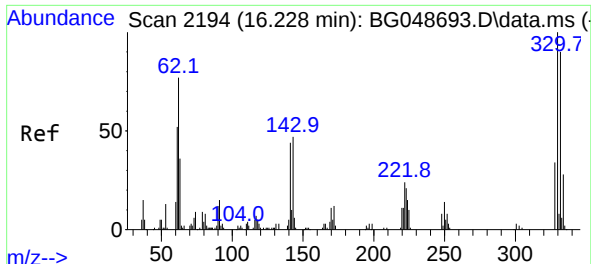
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#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.745 min Scan# 1941
Delta R.T. 0.007 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

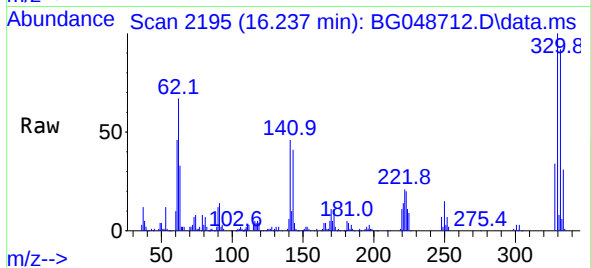
Tgt Ion:164 Resp: 93669
Ion Ratio Lower Upper
164 100
162 89.7 81.4 122.0
160 41.9 34.9 52.3





#42
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

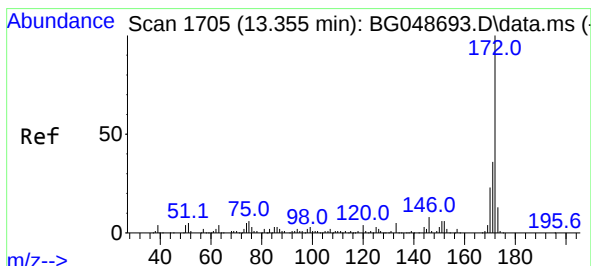
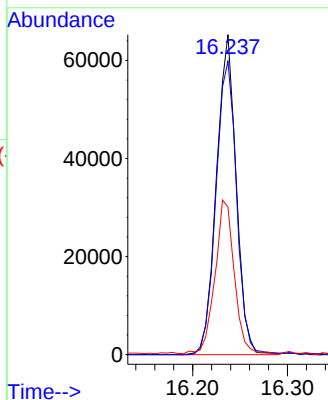
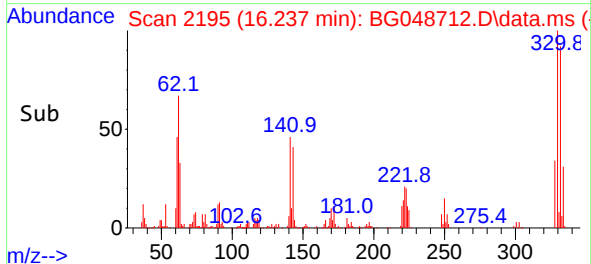
Instrument :
BNA_G
ClientSampleId :
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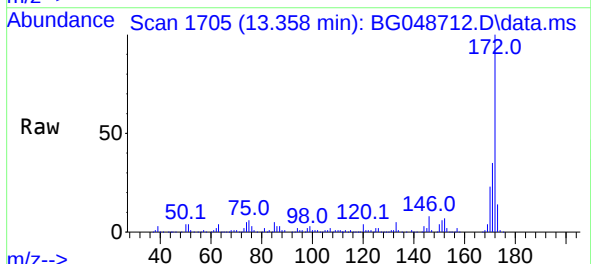
Tgt Ion:330 Resp: 94294
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 48.0 35.6 53.4

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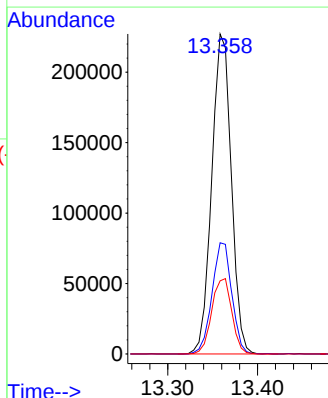
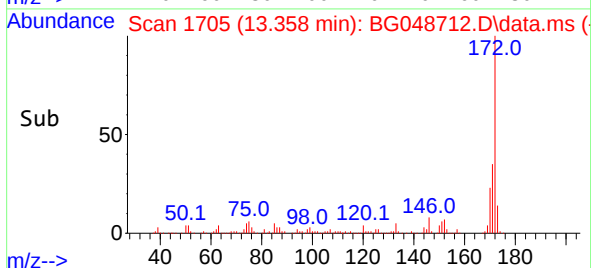
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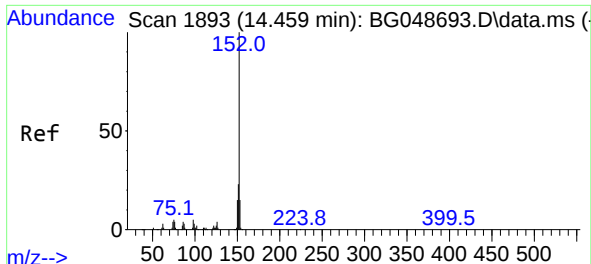


#45
2-Fluorobiphenyl
Concen: 52.93 ng
RT: 13.358 min Scan# 1705
Delta R.T. 0.001 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04



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





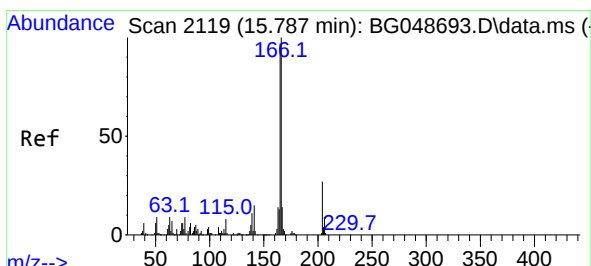
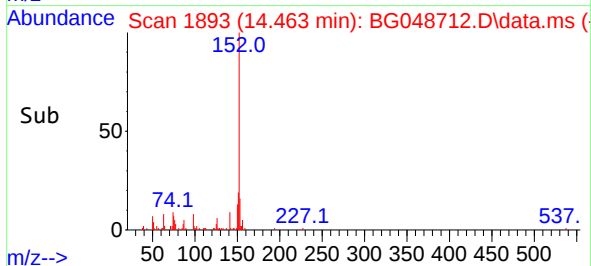
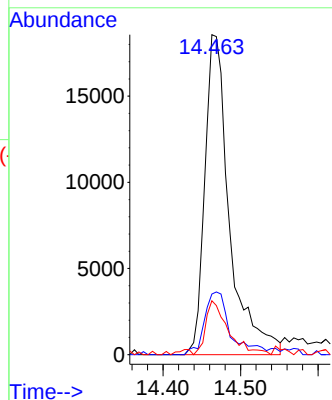
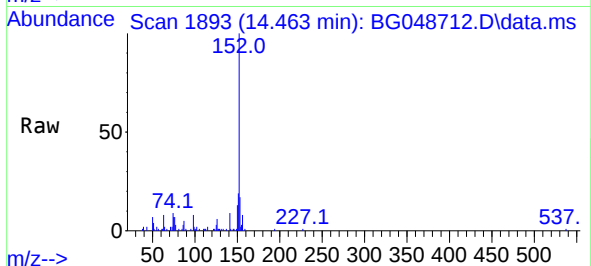
#49
Acenaphthylene
Concen: 4.98 ng
RT: 14.463 min Scan# 1893
Delta R.T. 0.001 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

Tgt Ion:	152	Resp:	41051
Ion Ratio	Lower	Upper	
152	100		
151	19.0	18.2	27.4
153	16.8	11.7	17.5

Instrument :
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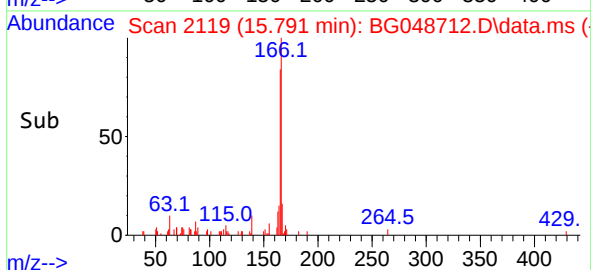
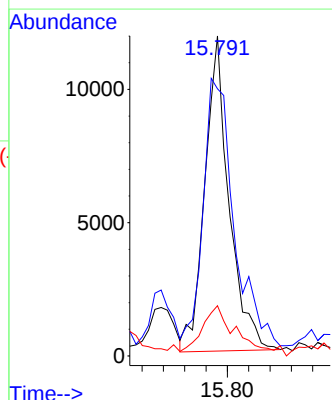
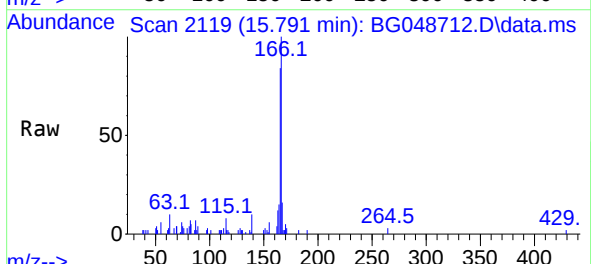
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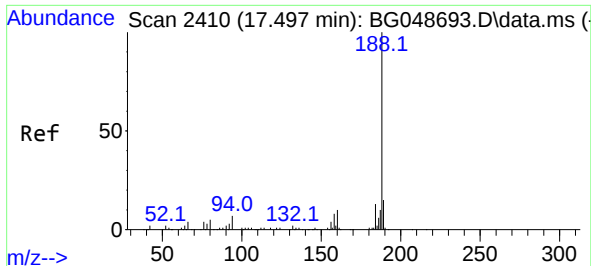
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#58
Fluorene
Concen: 2.62 ng
RT: 15.791 min Scan# 2119
Delta R.T. 0.001 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

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





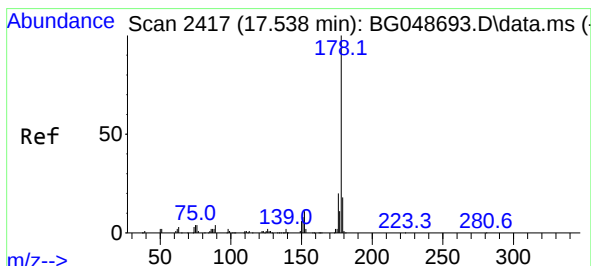
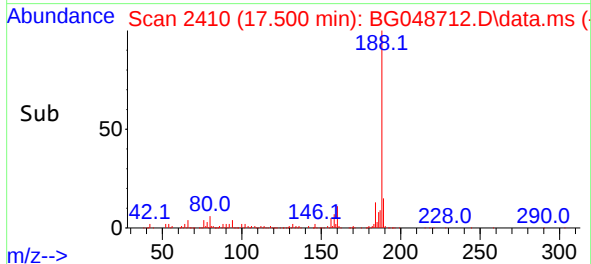
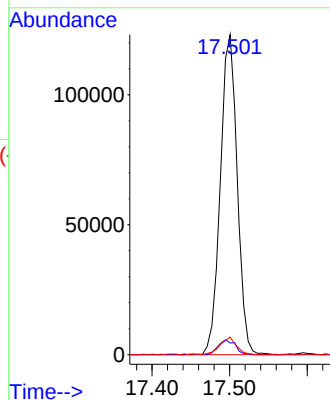
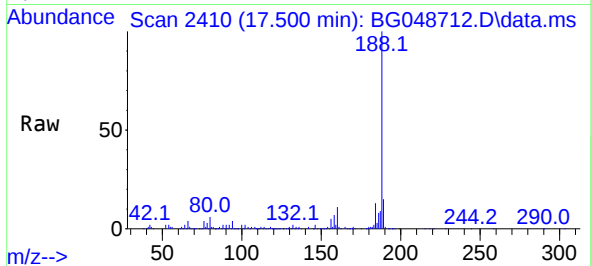
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.500 min Scan# 2410
Delta R.T. 0.007 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

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

Instrument :
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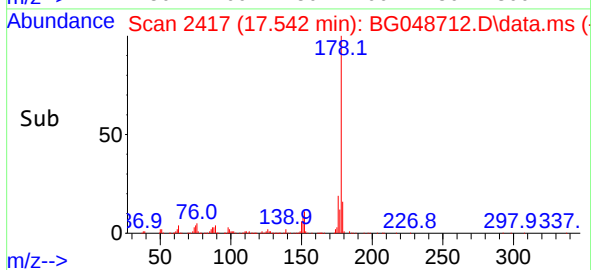
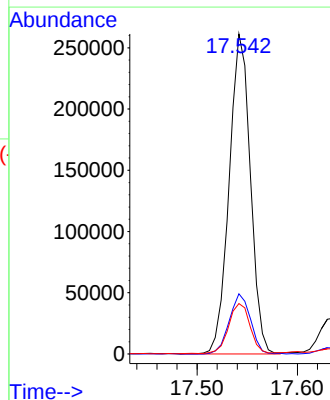
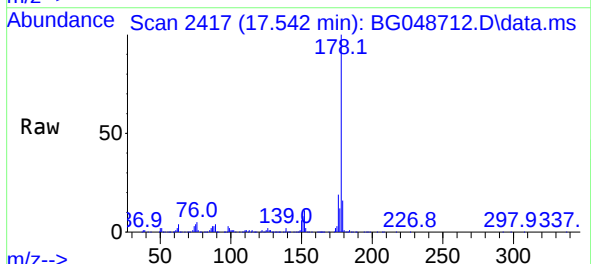
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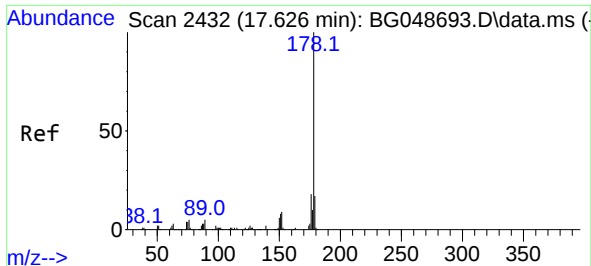
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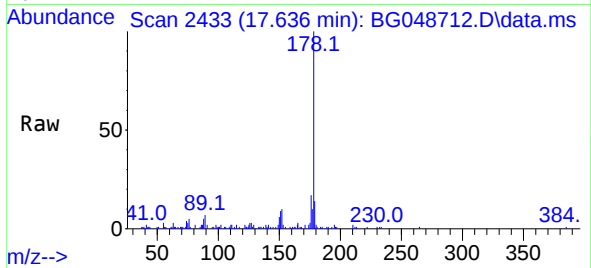
#71
Phenanthrene
Concen: 39.62 ng
RT: 17.542 min Scan# 2417
Delta R.T. 0.007 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

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

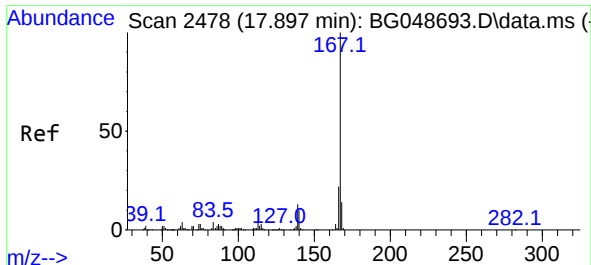
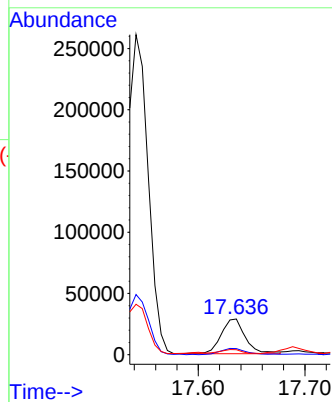
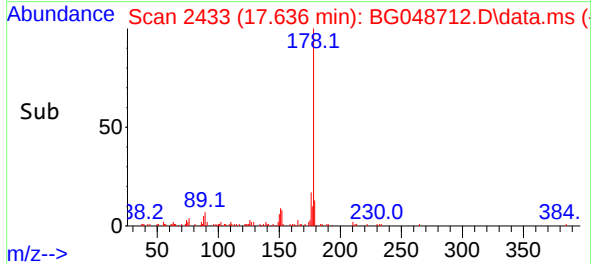




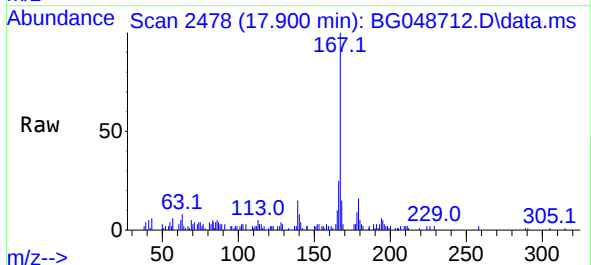
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 Anthracene
 Concen: 4.62 ng
 RT: 17.636 min Scan# 2433
 Delta R.T. 0.007 min
 Lab File: BG048712.D
 Acq: 15 Apr 2021 17:04



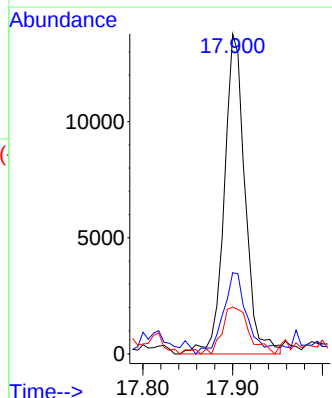
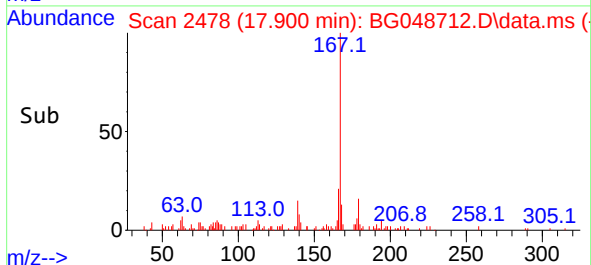
Tgt Ion:178 Resp: 44313
 Ion Ratio Lower Upper
 178 100
 176 17.0 14.6 21.8
 179 14.1 13.4 20.0



#73
 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



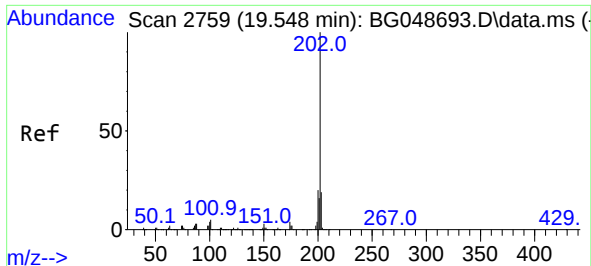
Tgt Ion:167 Resp: 22156
 Ion Ratio Lower Upper
 167 100
 166 25.4 17.4 26.2
 139 14.7 10.7 16.1



Instrument :
 BNA_G
 ClientSampleId :
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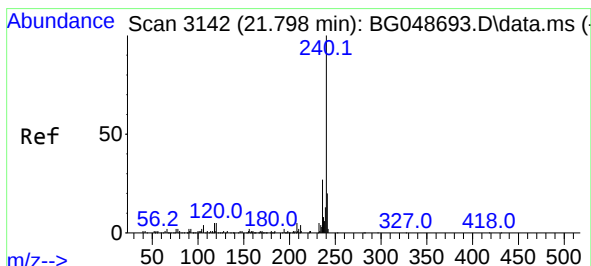
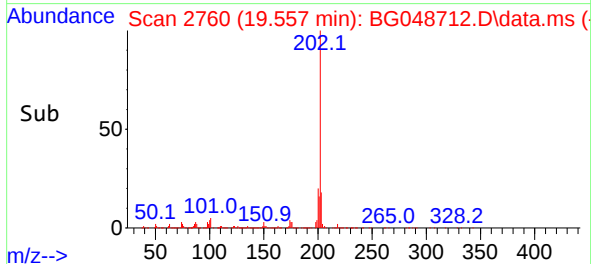
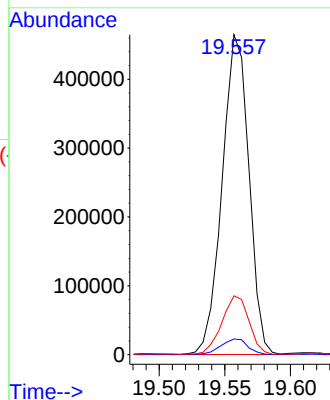
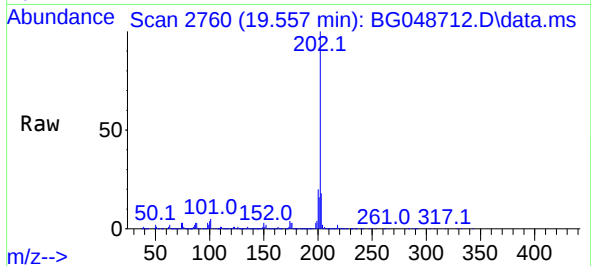
#75
Fluoranthene
Concen: 53.65 ng
RT: 19.557 min Scan# 2760
Delta R.T. 0.007 min
Lab File: BG048712.D
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Tgt Ion:202 Resp: 658171
Ion Ratio Lower Upper
202 100
101 4.9 0.0 24.7
203 18.4 0.0 38.5

Instrument :
BNA_G
ClientSampleId :
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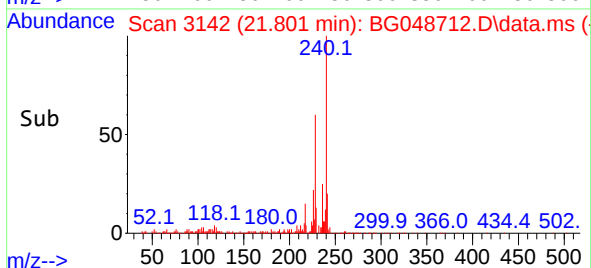
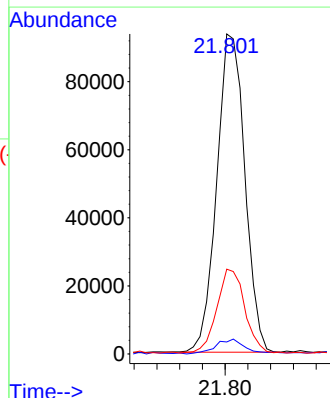
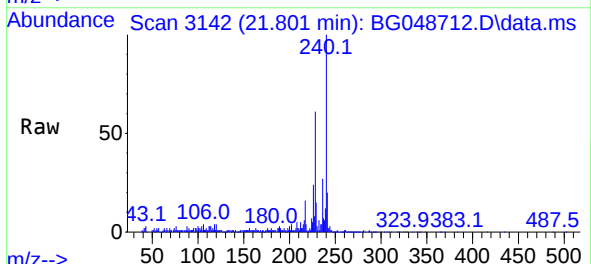
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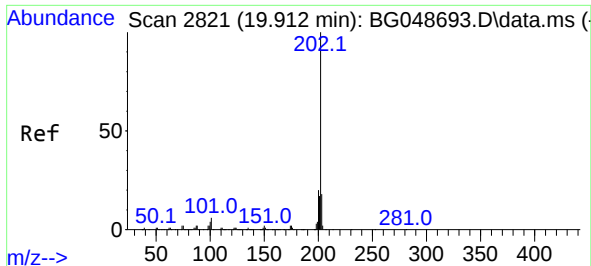
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#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.801 min Scan# 3142
Delta R.T. 0.007 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

Tgt Ion:240 Resp: 160485
Ion Ratio Lower Upper
240 100
120 3.8 4.2 6.2#
236 26.5 21.8 32.6





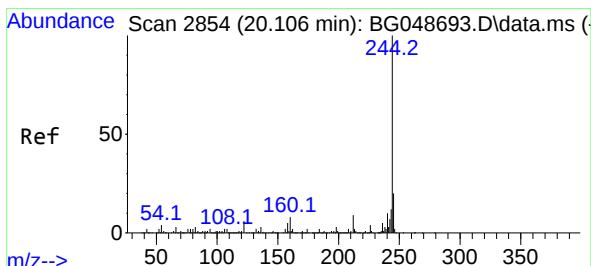
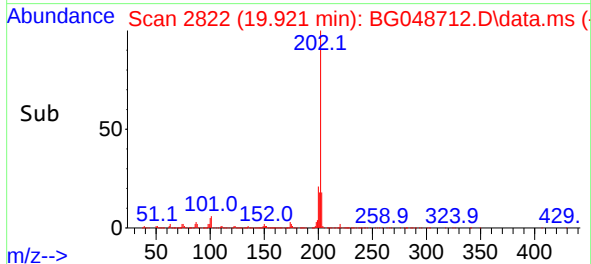
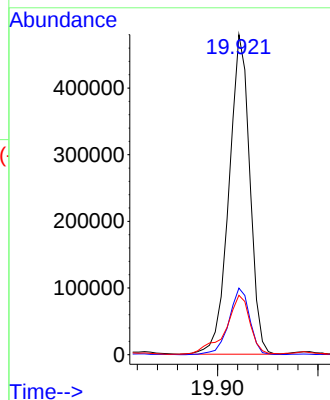
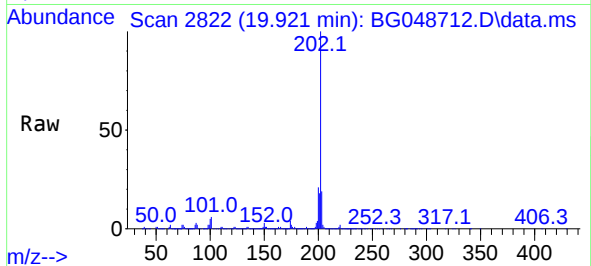
#78
Pyrene
Concen: 62.07 ng
RT: 19.921 min Scan# 2822
Delta R.T. 0.007 min
Lab File: BG048712.D
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Tgt Ion:	202	Resp:	689122
Ion Ratio	Lower	Upper	
202	100		
200	20.8	15.8	23.8
203	18.5	14.6	21.8

Instrument :
BNA_G
ClientSampleId :
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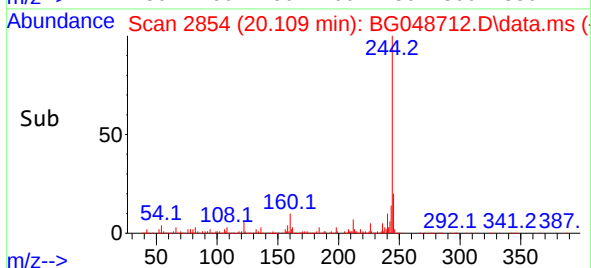
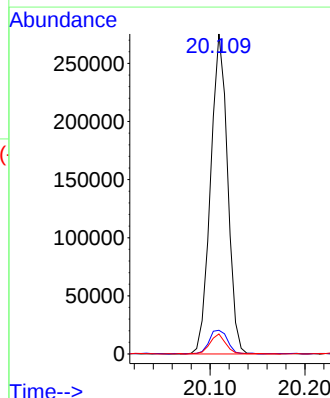
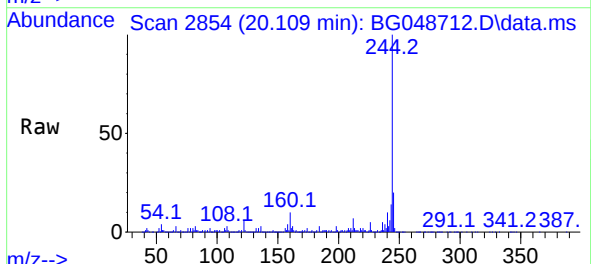
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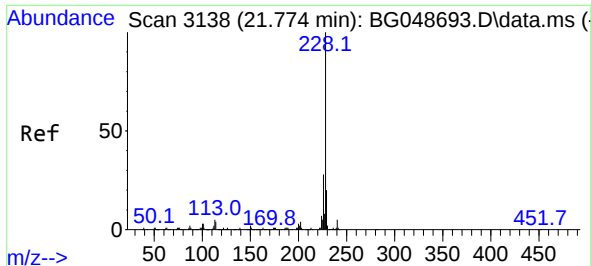
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#79
Terphenyl-d14
Concen: 36.67 ng
RT: 20.109 min Scan# 2854
Delta R.T. 0.001 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

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





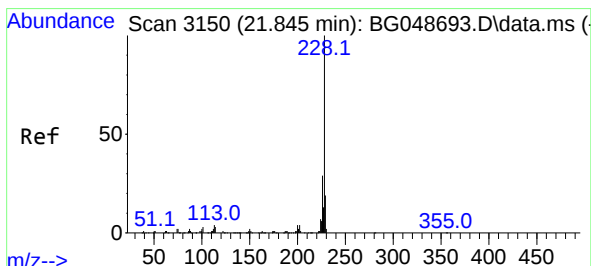
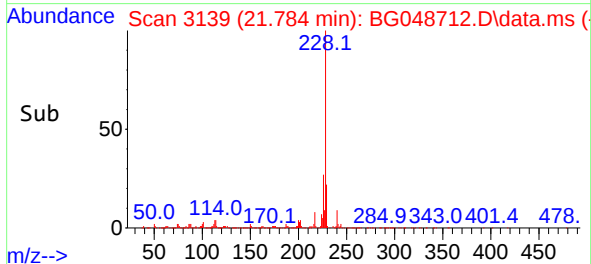
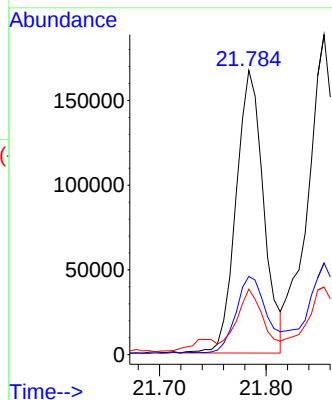
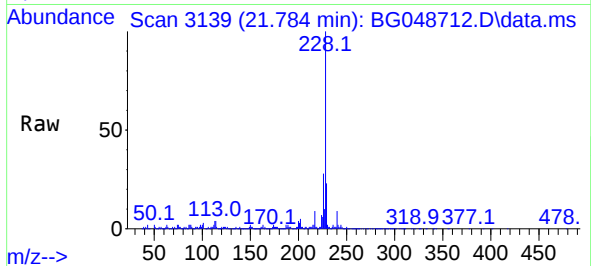
#81
Benzo(a)anthracene
Concen: 27.29 ng
RT: 21.784 min Scan# 3139
Delta R.T. 0.007 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

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

Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221

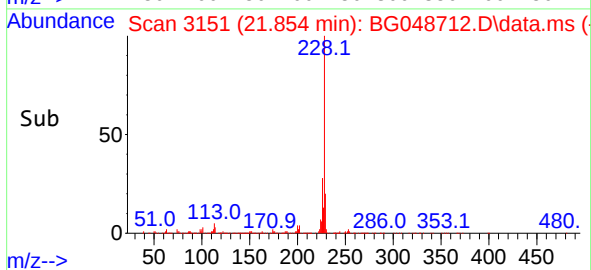
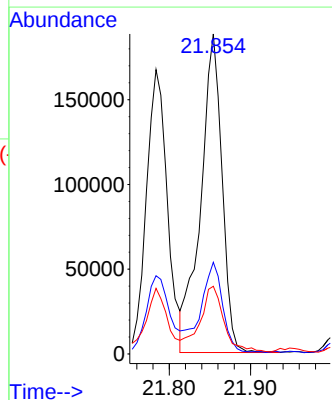
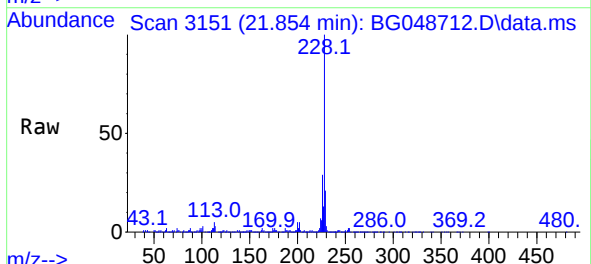
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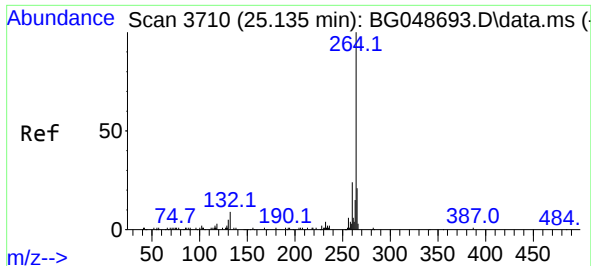
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#83
Chrysene
Concen: 32.88 ng
RT: 21.854 min Scan# 3151
Delta R.T. 0.012 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

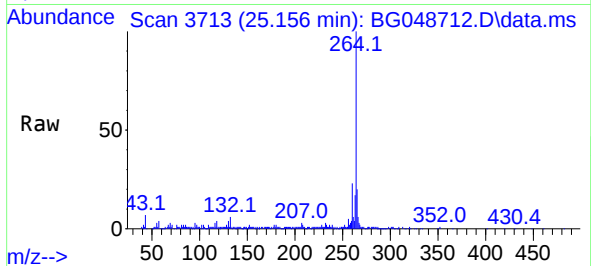
Tgt Ion:228 Resp: 343436
Ion Ratio Lower Upper
228 100
226 28.7 23.1 34.7
229 21.1 15.3 22.9





#86
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

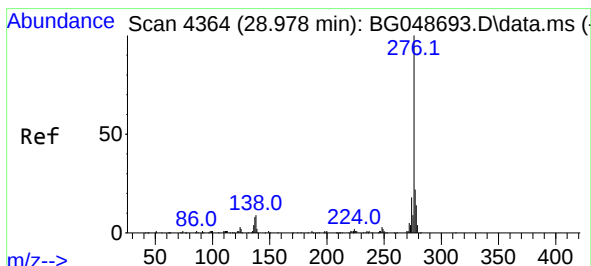
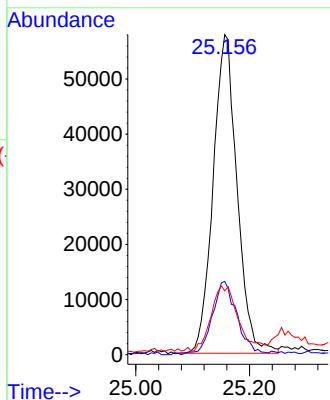
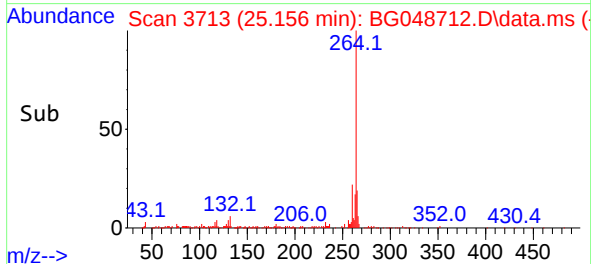
Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221



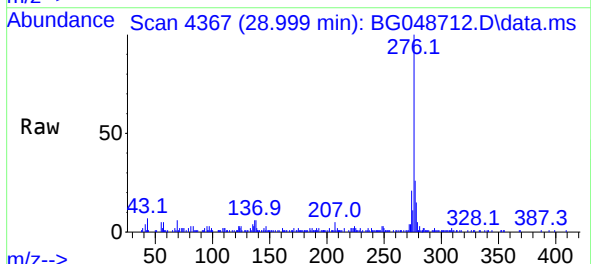
Tgt Ion:264 Resp: 168884
Ion Ratio Lower Upper
264 100
260 22.9 19.4 29.2
265 20.0 16.9 25.3

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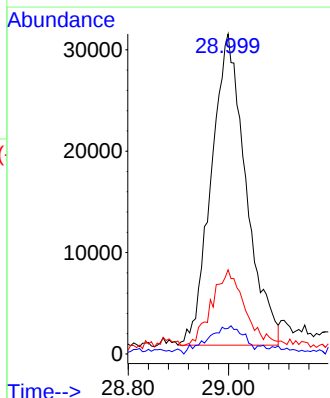
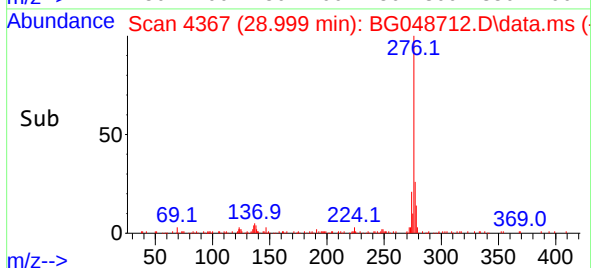
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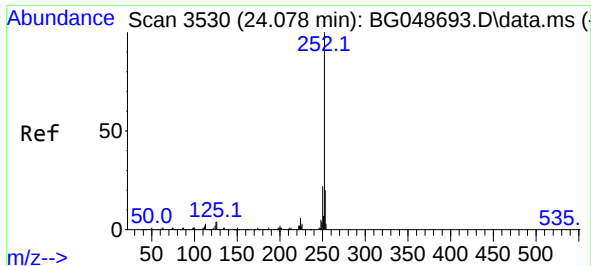


#87
Indeno(1,2,3-cd)pyrene
Concen: 11.87 ng
RT: 28.999 min Scan# 4367
Delta R.T. 0.030 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04



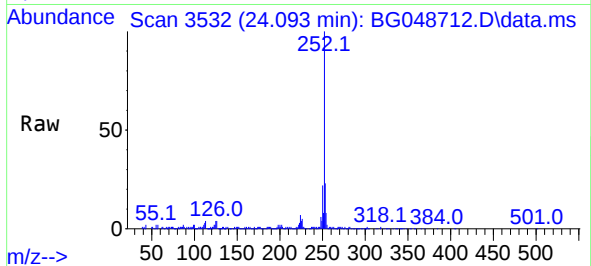
Tgt Ion:276 Resp: 147273
Ion Ratio Lower Upper
276 100
138 9.3 5.1 7.7#
277 22.2 19.8 29.6





#88
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

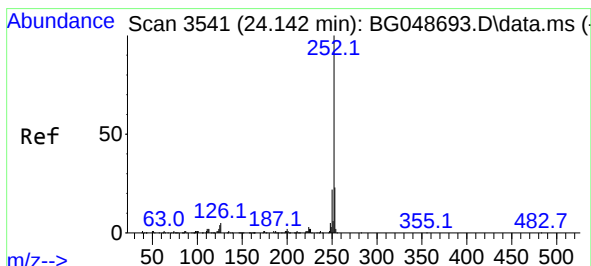
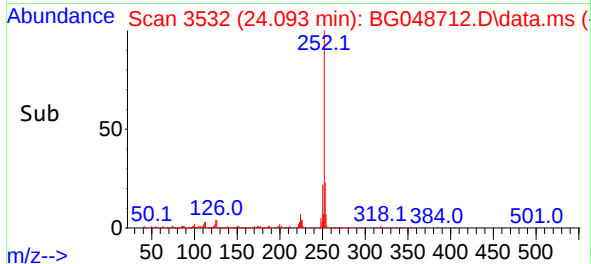
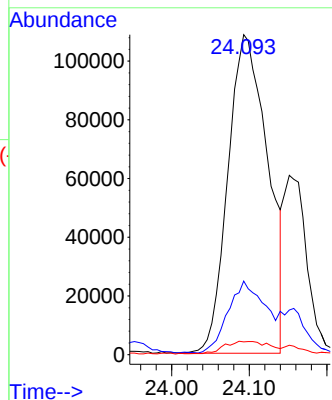
Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221



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

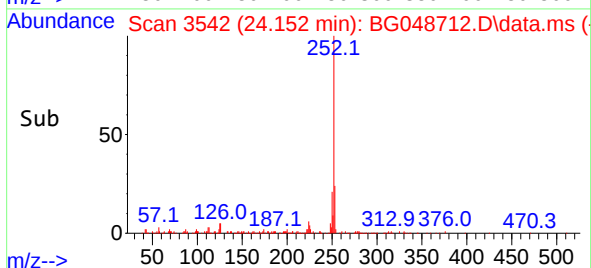
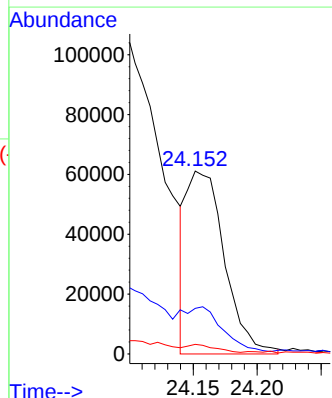
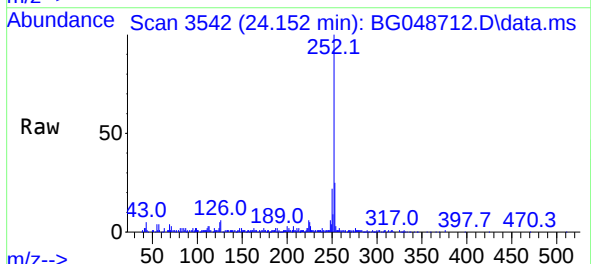
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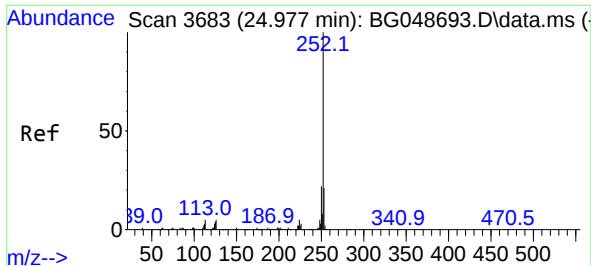
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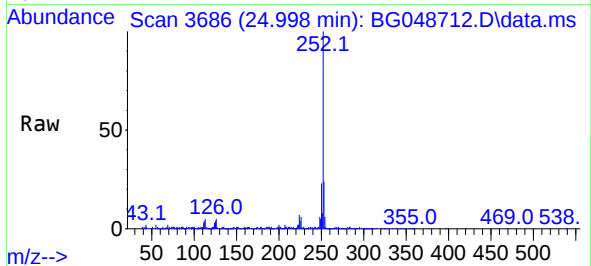
#89
Benzo(k)fluoranthene
Concen: 11.69 ng m
RT: 24.152 min Scan# 3542
Delta R.T. 0.007 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

Tgt Ion:252 Resp: 125910
Ion Ratio Lower Upper
252 100
253 24.9 18.0 27.0
125 5.3 3.1 4.7#

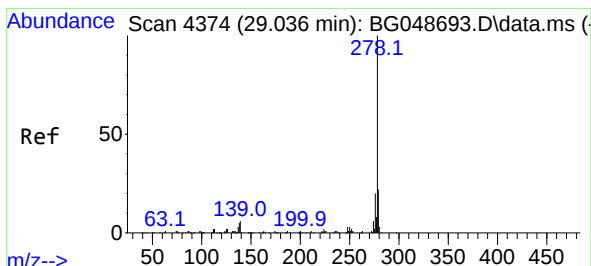
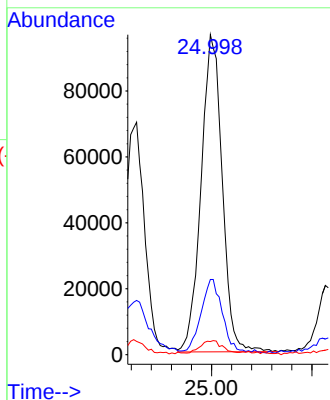
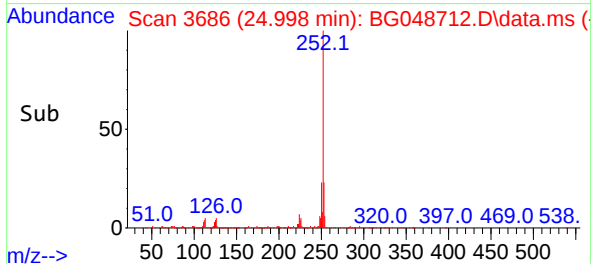




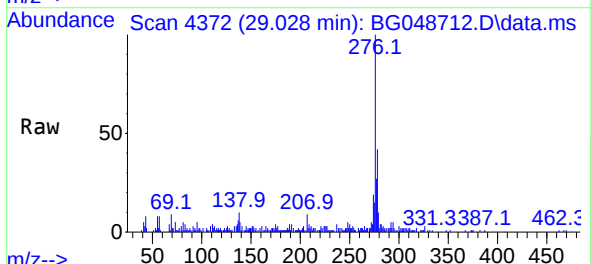
#90
Benzo(a)pyrene
Concen: 26.65 ng
RT: 24.998 min Scan# 3686
Delta R.T. 0.018 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04



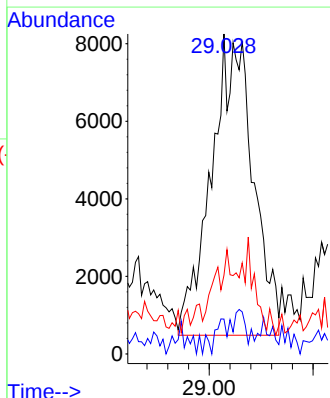
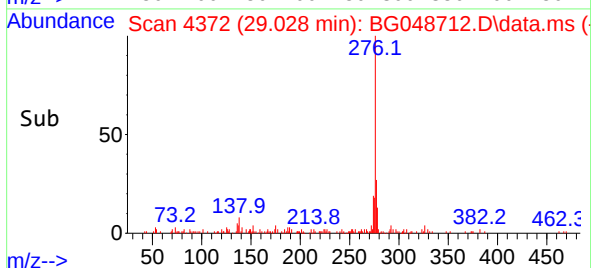
Tgt Ion:252 Resp: 281312
Ion Ratio Lower Upper
252 100
253 23.5 16.6 25.0
125 4.1 3.5 5.3



#91
Dibenzo(a,h)anthracene
Concen: 4.07 ng m
RT: 29.028 min Scan# 4372
Delta R.T. -0.023 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04



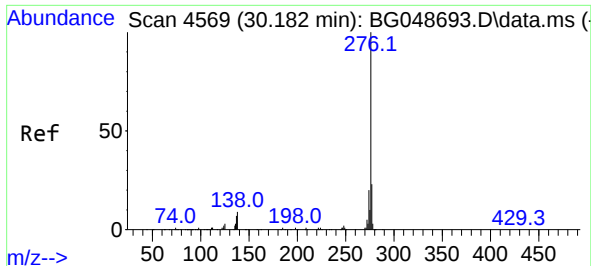
Tgt Ion:278 Resp: 43255
Ion Ratio Lower Upper
278 100
139 10.9 4.6 6.8#
279 24.6 17.9 26.9



Instrument :
BNA_G
ClientSampleId :
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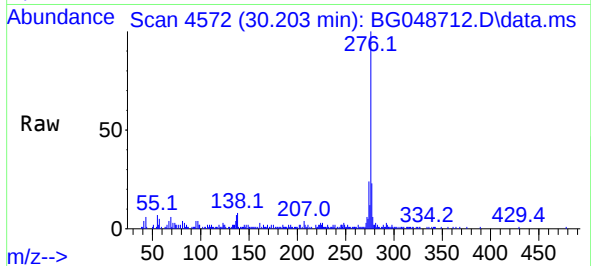
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#92
Benzo(g,h,i)perylene
Concen: 13.31 ng
RT: 30.203 min Scan# 4572
Delta R.T. 0.024 min
Lab File: BG048712.D
Acq: 15 Apr 2021 17:04

Instrument :
BNA_G
ClientSampleId :
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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

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