Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102021\
Data File : BG050656.D
Acq On : 20 Oct 2021 22:17
Operator : CG/JU
Sample : M4288-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SA-01-101921

Quant Time: Oct 21 03:18:47 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 14 10:56:22 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.253	152	47017	20.000	ng	0.00
21) Naphthalene-d8	11.073	136	200478	20.000	ng	#-0.01
39) Acenaphthene-d10	14.869	164	122243	20.000	ng	0.00
64) Phenanthrene-d10	17.613	188	248557	20.000	ng	# 0.00
76) Chrysene-d12	21.913	240	209898	20.000	ng	#-0.01
86) Perylene-d12	25.327	264	211040	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.791	112	294126	93.557	ng	0.00
7) Phenol-d6	7.389	99	392945	86.329	ng	-0.01
23) Nitrobenzene-d5	9.422	82	278683	57.544	ng	0.00
42) 2,4,6-Tribromophenol	16.349	330	95912	82.258	ng	-0.01
45) 2-Fluorobiphenyl	13.494	172	486715	59.923	ng	-0.01
79) Terphenyl-d14	20.198	244	633257	58.796	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	7.395	77	921	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.422	70	39210	11.819	ng	# 74
51) 2,6-Dinitrotoluene	14.869	165	16474	8.901	ng	# 13
57) 2,4-Dinitrotoluene	14.869	165	16474	6.315	ng	# 18
67) 4-Bromophenyl-phenylether	16.355	248	8287	3.309	ng	# 1
71) Phenanthrene	17.654	178	158726	12.118	ng	96
72) Anthracene	17.748	178	43398	3.334	ng	96
75) Fluoranthene	19.651	202	663739	41.224	ng	96
78) Pyrene	20.016	202	615217	41.311	ng	97
81) Benzo(a)anthracene	21.890	228	371080	26.718	ng	98
83) Chrysene	21.960	228	337699	25.849	ng	96
87) Indeno(1,2,3-cd)pyrene	29.246	276	240215	16.342	ng	# 92
88) Benzo(b)fluoranthene	24.240	252	469421	36.320	ng	# 91
89) Benzo(k)fluoranthene	24.240	252	469421	36.919	ng	# 95
90) Benzo(a)pyrene	25.168	252	348135	31.680	ng	# 94
91) Dibenzo(a,h)anthracene	29.281	278	28063	2.308	ng	# 70
92) Benzo(g,h,i)perylene	30.486	276	224291	18.836	ng	# 89

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

Quantitation Report (Not Reviewed)

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Data File : BG050656.D
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Operator : CG/JU
Sample : M4288-01
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ALS Vial : 16 Sample Multiplier: 1

Instrument :
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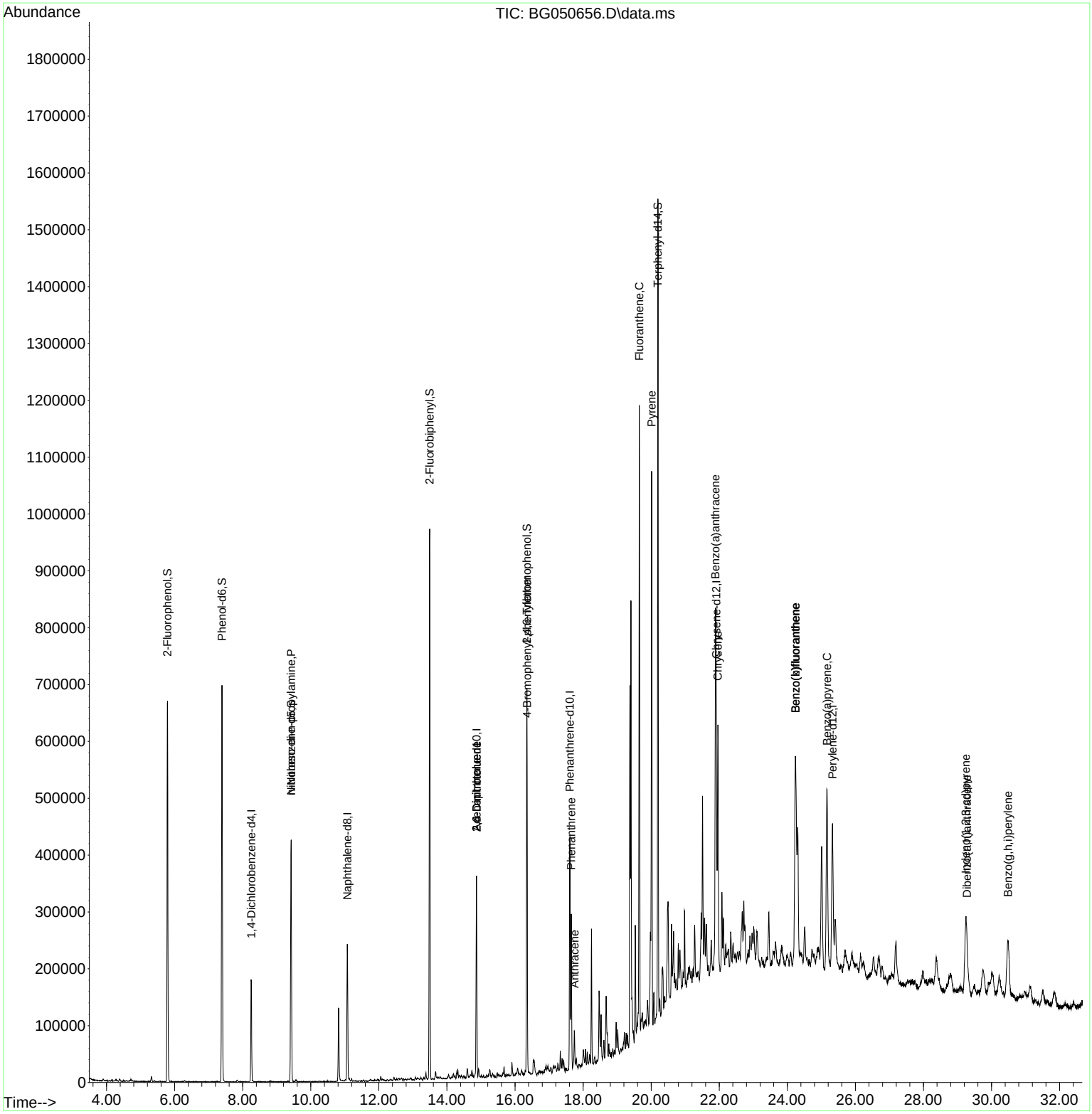
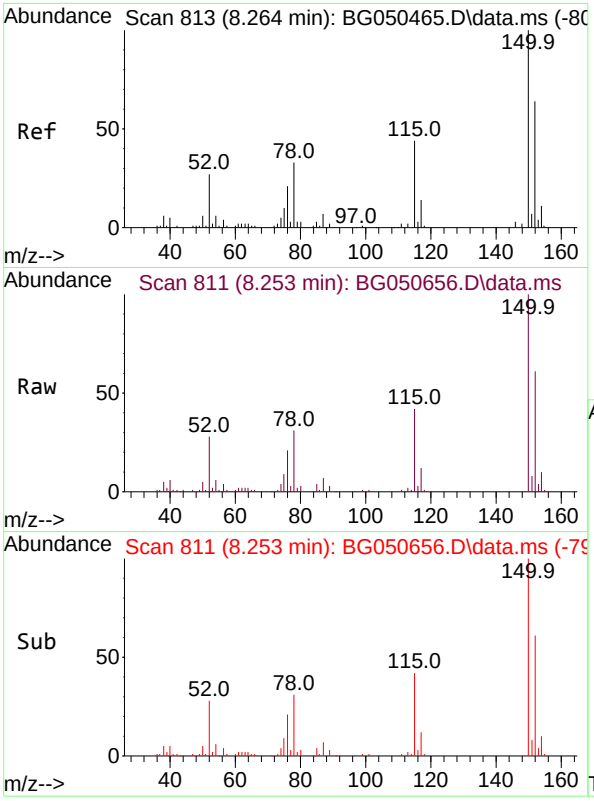
Quant Time: Oct 21 03:18:47 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 14 10:56:22 2021
Response via : Initial Calibration



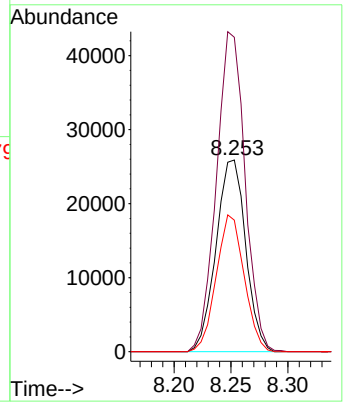
Instrument :
BNA_G
ClientSampleId :
SA-01-101921

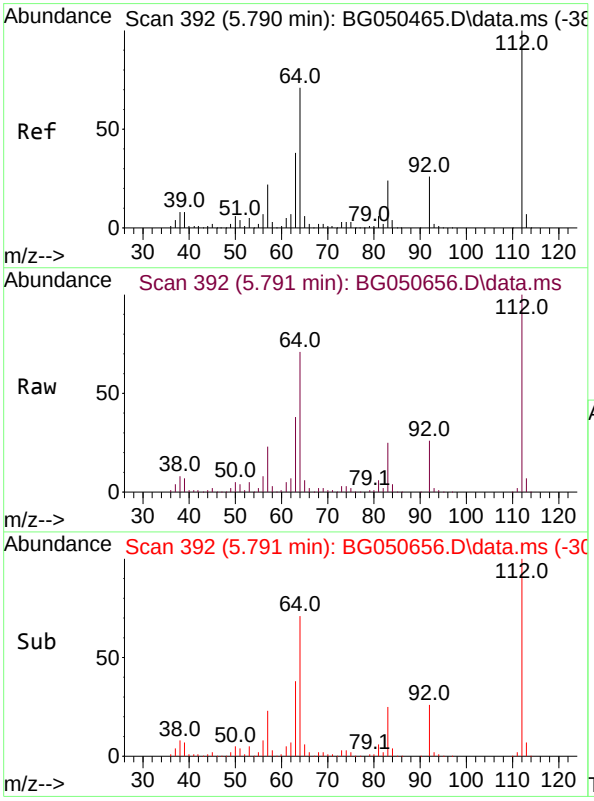


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.253 min Scan# 811
Delta R.T. -0.005 min
Lab File: BG050656.D
Acq: 20 Oct 2021 22:17

Tgt Ion:152 Resp: 47017

Ion	Ratio	Lower	Upper
152	100		
150	163.9	119.4	179.0
115	68.6	60.2	90.4

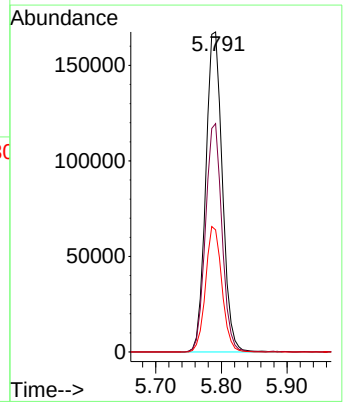




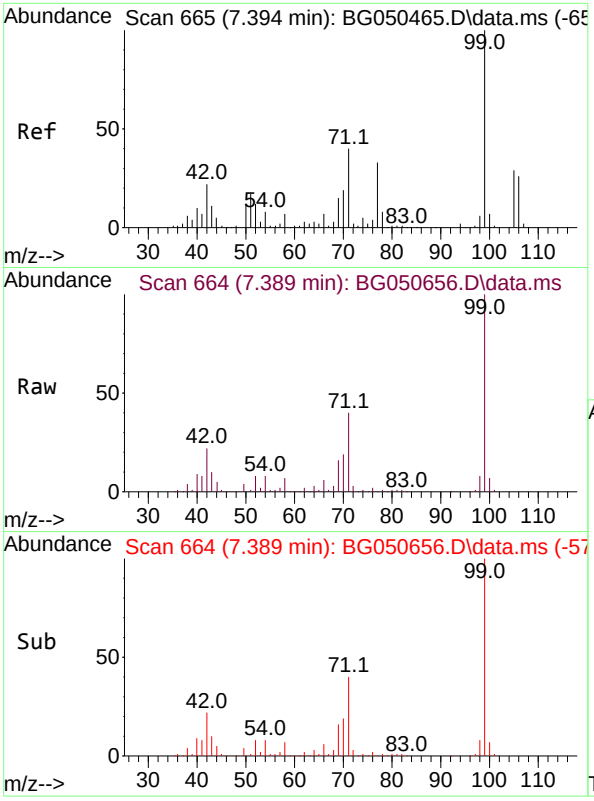
#5
2-Fluorophenol
Concen: 93.557 ng
RT: 5.791 min Scan# 392
Delta R.T. 0.000 min
Lab File: BG050656.D
Acq: 20 Oct 2021 22:17

Tgt Ion:112 Resp: 294126

Ion	Ratio	Lower	Upper
112	100		
64	71.4	46.7	70.1#
63	38.2	35.3	52.9



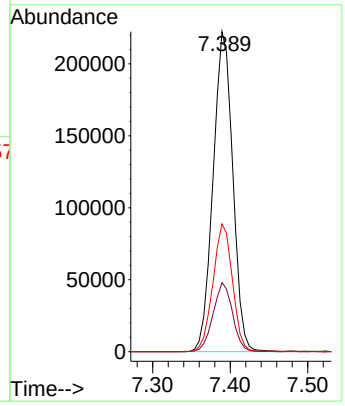
Instrument :
BNA_G
ClientSampleId :
SA-01-101921

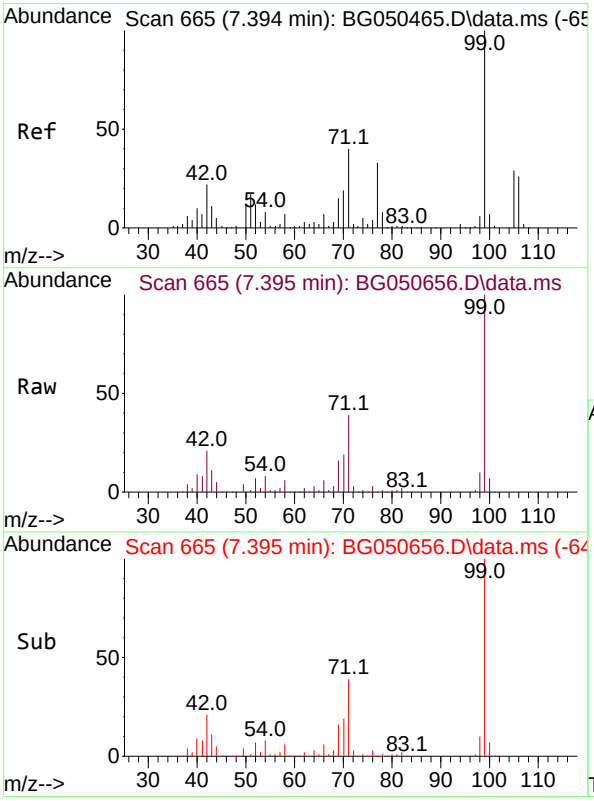


#7
Phenol-d6
Concen: 86.329 ng
RT: 7.389 min Scan# 664
Delta R.T. -0.011 min
Lab File: BG050656.D
Acq: 20 Oct 2021 22:17

Tgt Ion: 99 Resp: 392945

Ion	Ratio	Lower	Upper
99	100		
42	21.6	20.5	30.7
71	40.0	41.5	62.3#

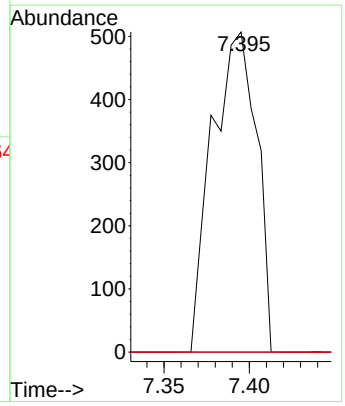


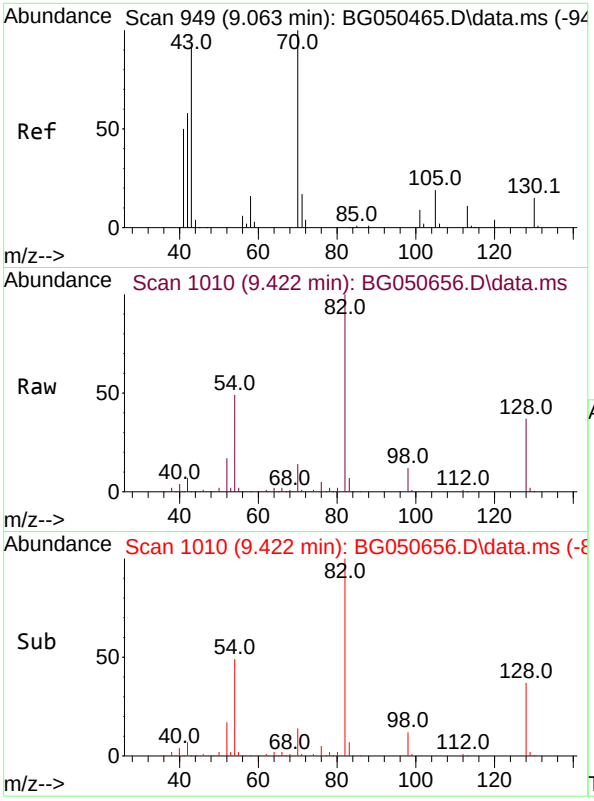


#9
Benzaldehyde
Concen: Below Cal
RT: 7.395 min Scan# 665
Delta R.T. 0.006 min
Lab File: BG050656.D
Acq: 20 Oct 2021 22:17

Tgt Ion: 77 Resp: 921

Ion	Ratio	Lower	Upper
77	100		
105	0.0	68.8	108.8#
106	0.0	47.9	87.9#

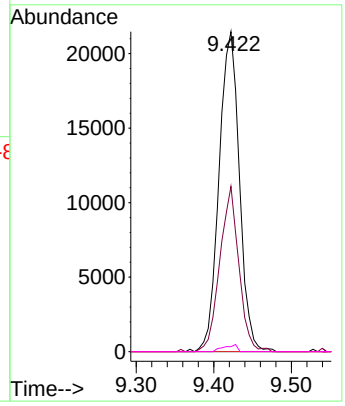




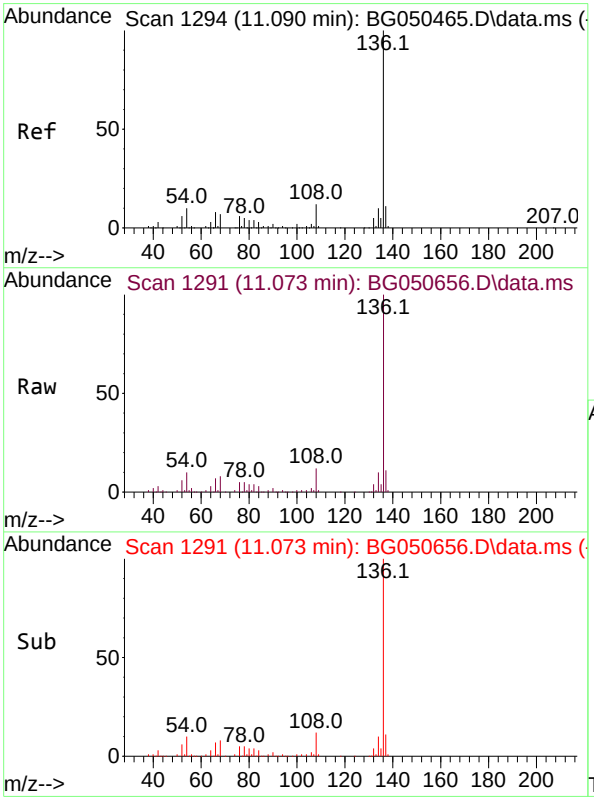
#19
n-Nitroso-di-n-propylamine
Concen: 11.819 ng
RT: 9.422 min Scan# 1010
Delta R.T. 0.365 min
Lab File: BG050656.D
Acq: 20 Oct 2021 22:17

Tgt Ion: 70 Resp: 39210

Ion	Ratio	Lower	Upper
70	100		
42	51.6	54.5	81.7#
101	0.0	9.0	13.6#
130	1.6	17.0	25.6#



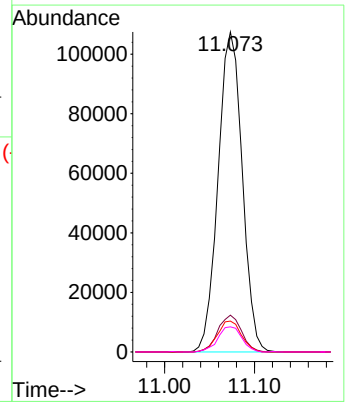
Instrument :
BNA_G
ClientSampleId :
SA-01-101921



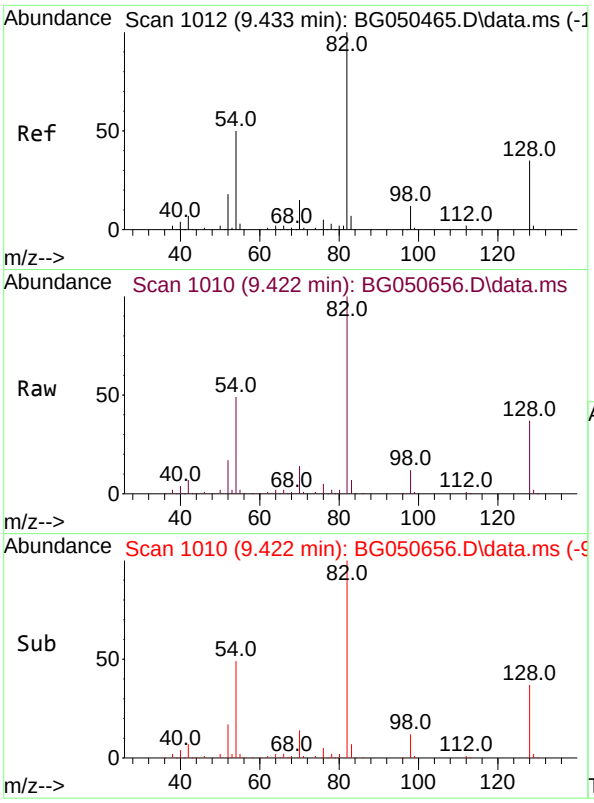
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.073 min Scan# 1291
Delta R.T. -0.011 min
Lab File: BG050656.D
Acq: 20 Oct 2021 22:17

Tgt Ion:136 Resp: 200478

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.2	12.2
54	9.6	5.5	8.3#
68	7.9	2.3	3.5#



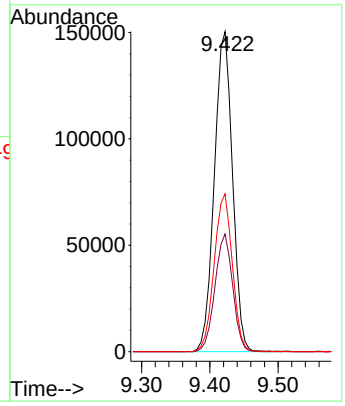
Instrument :
BNA_G
ClientSampleId :
SA-01-101921

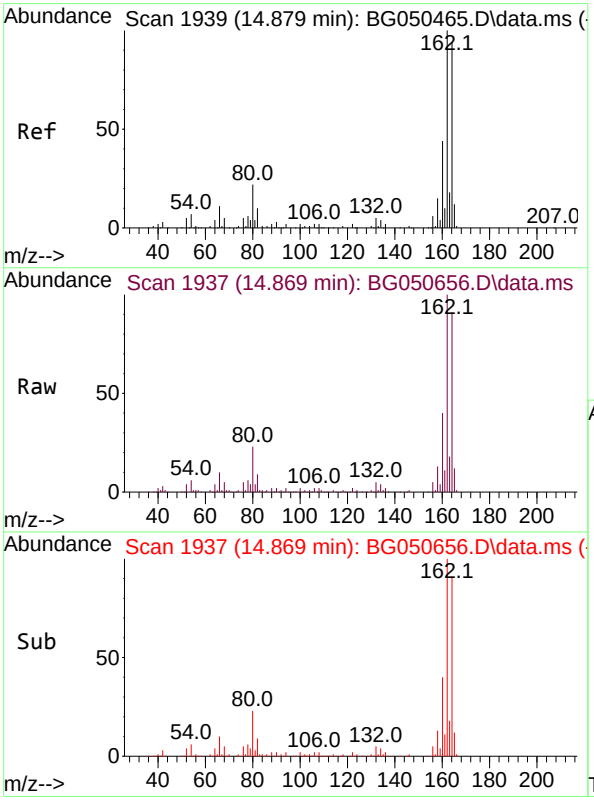


#23
Nitrobenzene-d5
Concen: 57.544 ng
RT: 9.422 min Scan# 1010
Delta R.T. -0.005 min
Lab File: BG050656.D
Acq: 20 Oct 2021 22:17

Tgt Ion: 82 Resp: 278683

Ion	Ratio	Lower	Upper
82	100		
128	36.8	29.8	44.6
54	49.3	45.8	68.8

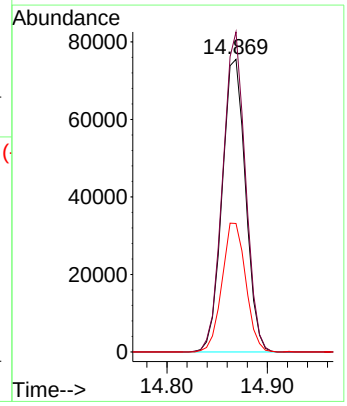




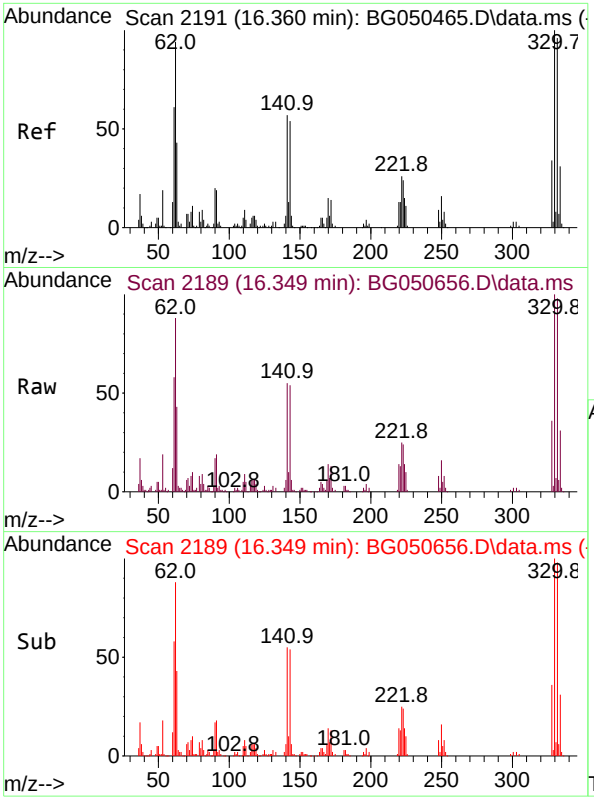
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.869 min Scan# 1937
Delta R.T. -0.005 min
Lab File: BG050656.D
Acq: 20 Oct 2021 22:17

Tgt Ion:164 Resp: 122243

Ion	Ratio	Lower	Upper
164	100		
162	109.3	81.4	122.0
160	43.9	34.9	52.3



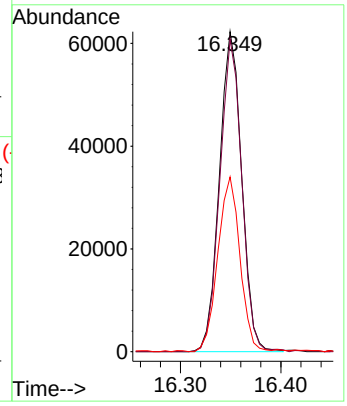
Instrument :
BNA_G
ClientSampleId :
SA-01-101921

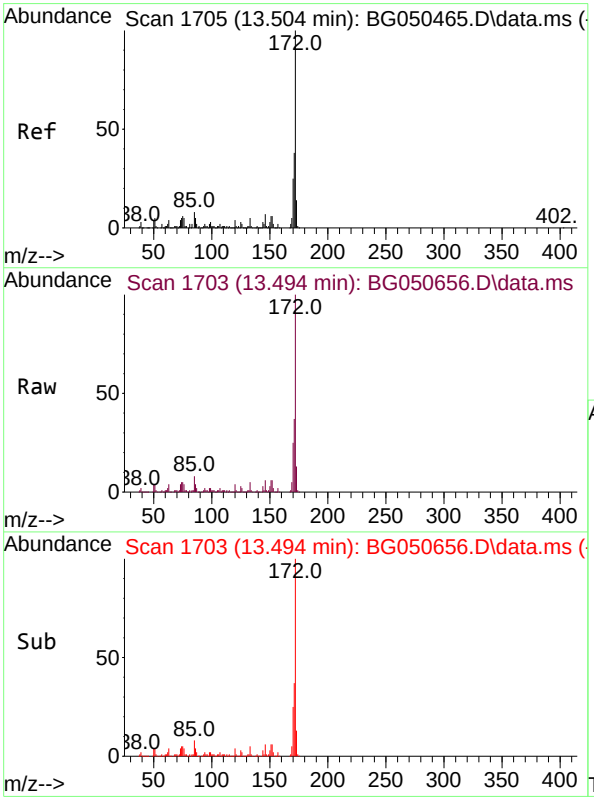


#42
2,4,6-Tribromophenol
Concen: 82.258 ng
RT: 16.349 min Scan# 2189
Delta R.T. -0.011 min
Lab File: BG050656.D
Acq: 20 Oct 2021 22:17

Tgt Ion:330 Resp: 95912

Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.3	115.9
141	54.6	35.6	53.4#

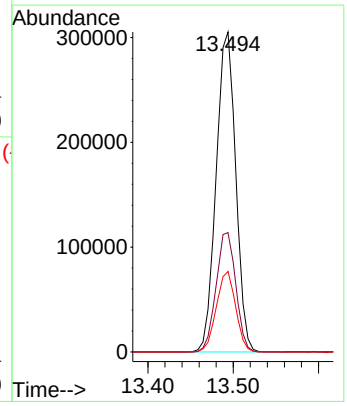




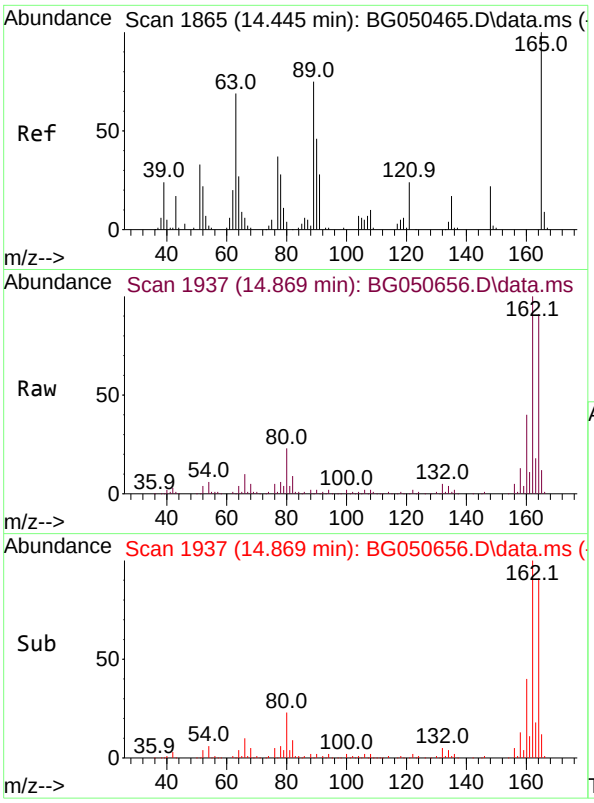
#45
2-Fluorobiphenyl
Concen: 59.923 ng
RT: 13.494 min Scan# 1703
Delta R.T. -0.011 min
Lab File: BG050656.D
Acq: 20 Oct 2021 22:17

Tgt Ion:172 Resp: 486715

Ion	Ratio	Lower	Upper
172	100		
171	37.3	28.6	43.0
170	25.1	18.6	27.8



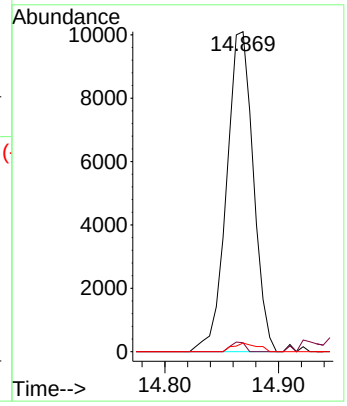
Instrument :
BNA_G
ClientSampleId :
SA-01-101921

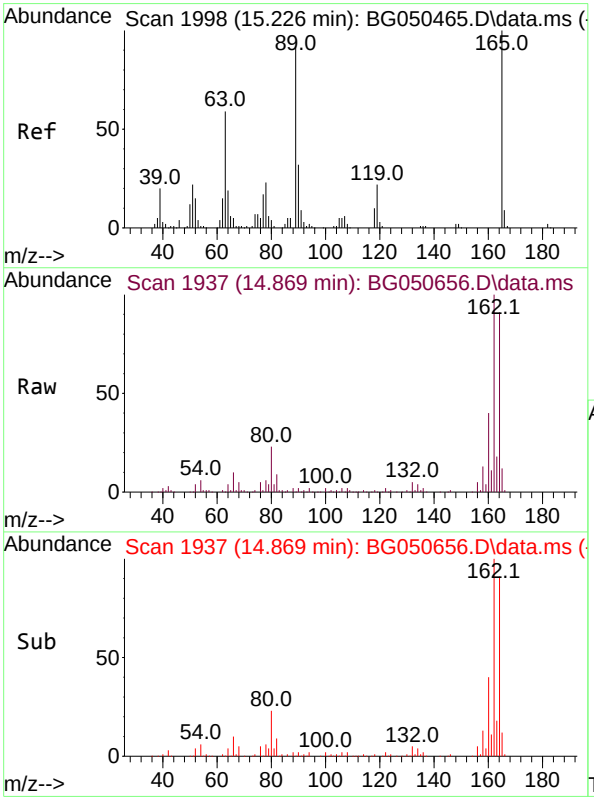


#51
2,6-Dinitrotoluene
Concen: 8.901 ng
RT: 14.869 min Scan# 1937
Delta R.T. 0.424 min
Lab File: BG050656.D
Acq: 20 Oct 2021 22:17

Tgt Ion:165 Resp: 16474

Ion	Ratio	Lower	Upper
165	100		
63	2.8	63.3	94.9#
89	2.7	63.4	95.0#

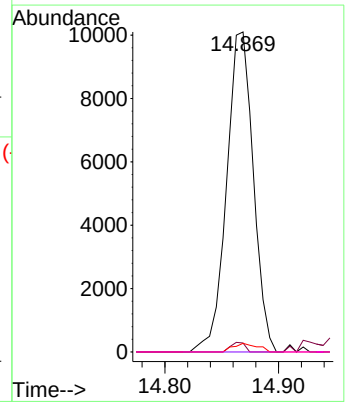




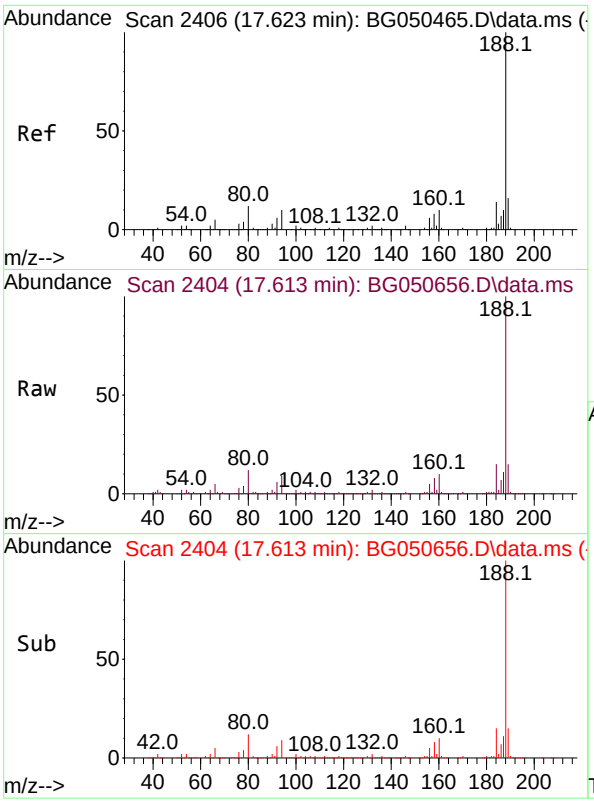
#57
2,4-Dinitrotoluene
Concen: 6.315 ng
RT: 14.869 min Scan# 1937
Delta R.T. -0.358 min
Lab File: BG050656.D
Acq: 20 Oct 2021 22:17

Tgt Ion:165 Resp: 16474

Ion	Ratio	Lower	Upper
165	100		
63	2.8	48.0	72.0#
89	2.7	65.4	98.0#
182	0.0	2.0	3.0#



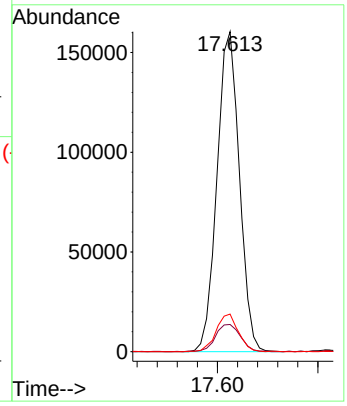
Instrument :
BNA_G
ClientSampleId :
SA-01-101921

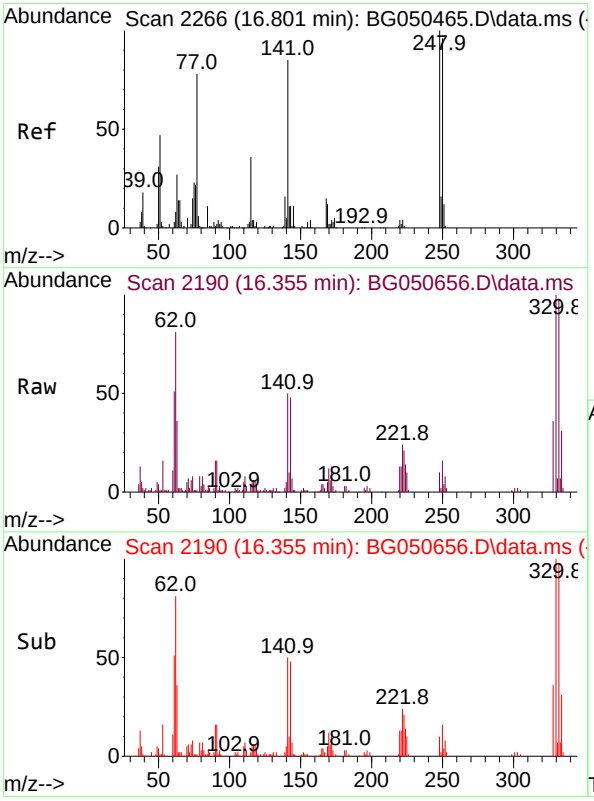


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.613 min Scan# 2404
Delta R.T. -0.005 min
Lab File: BG050656.D
Acq: 20 Oct 2021 22:17

Tgt Ion:188 Resp: 248557

Ion	Ratio	Lower	Upper
188	100		
94	8.5	5.4	8.0#
80	11.7	3.7	5.5#

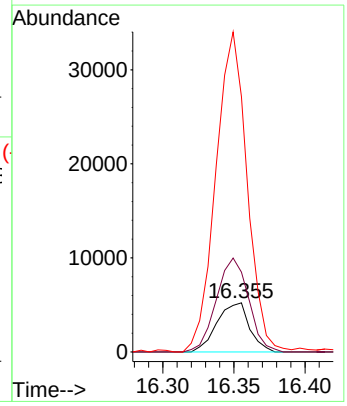




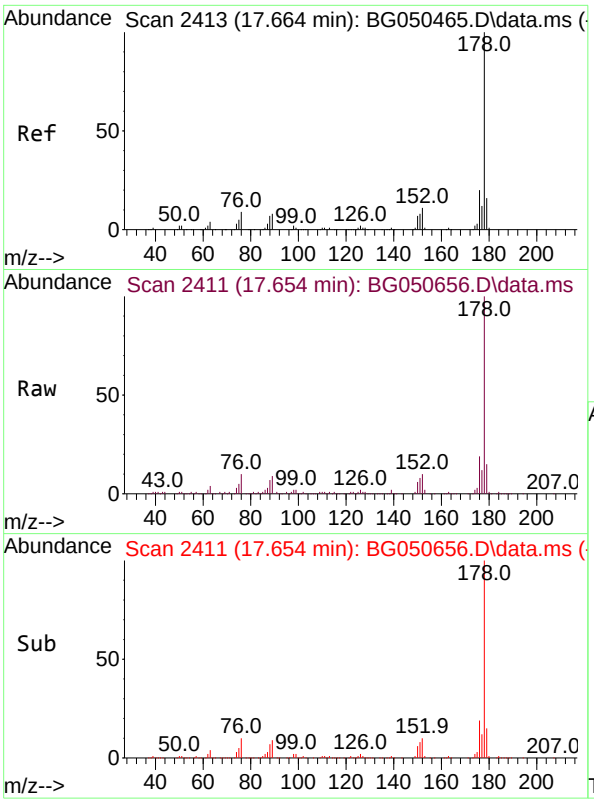
#67
4-Bromophenyl-phenylether
Concen: 3.309 ng
RT: 16.355 min Scan# 2190
Delta R.T. -0.446 min
Lab File: BG050656.D
Acq: 20 Oct 2021 22:17

Tgt Ion:248 Resp: 8287

Ion	Ratio	Lower	Upper
248	100		
250	162.3	76.1	114.1#
141	518.8	65.4	98.2#



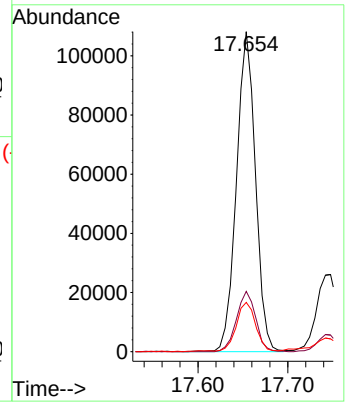
Instrument :
BNA_G
ClientSampleId :
SA-01-101921

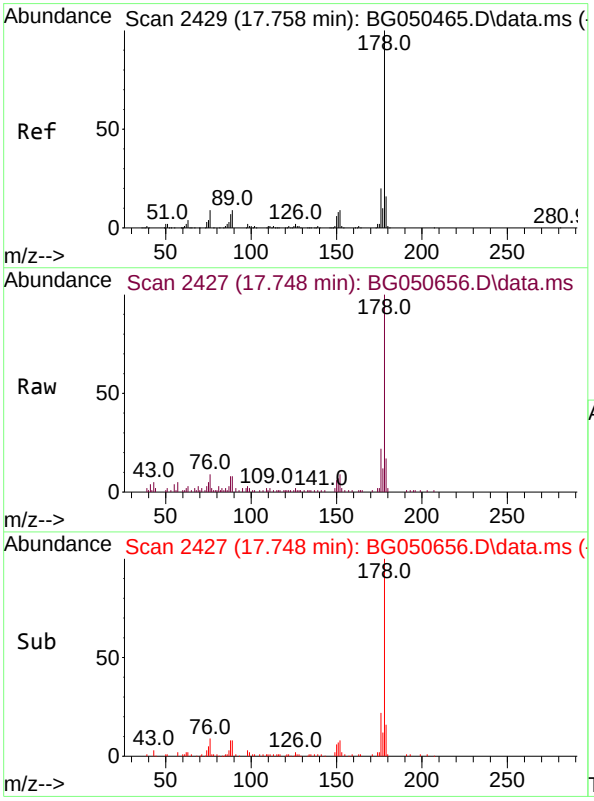


#71
Phenanthrene
Concen: 12.118 ng
RT: 17.654 min Scan# 2411
Delta R.T. -0.011 min
Lab File: BG050656.D
Acq: 20 Oct 2021 22:17

Tgt Ion:178 Resp: 158726

Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.0	24.0
179	15.4	14.2	21.4

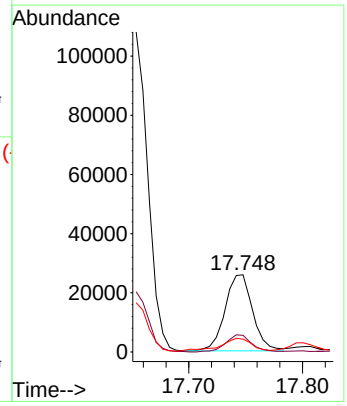




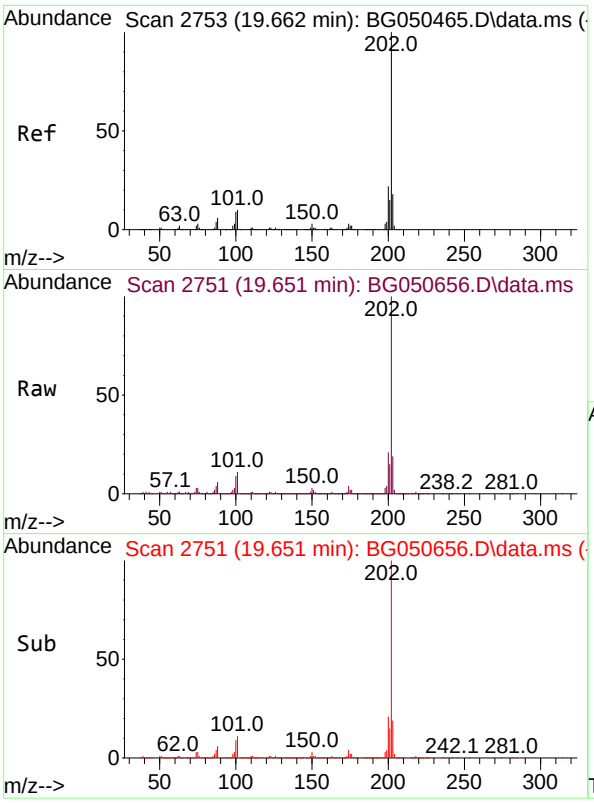
#72
Anthracene
Concen: 3.334 ng
RT: 17.748 min Scan# 2427
Delta R.T. -0.005 min
Lab File: BG050656.D
Acq: 20 Oct 2021 22:17

Tgt Ion:178 Resp: 43398

Ion	Ratio	Lower	Upper
178	100		
176	21.6	14.6	21.8
179	16.7	13.4	20.0



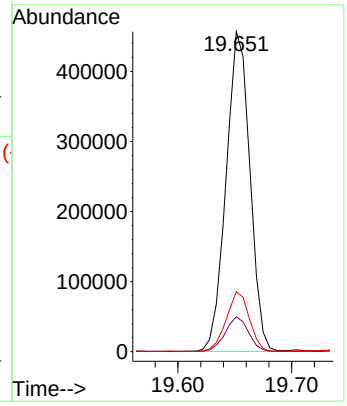
Instrument :
BNA_G
ClientSampleId :
SA-01-101921

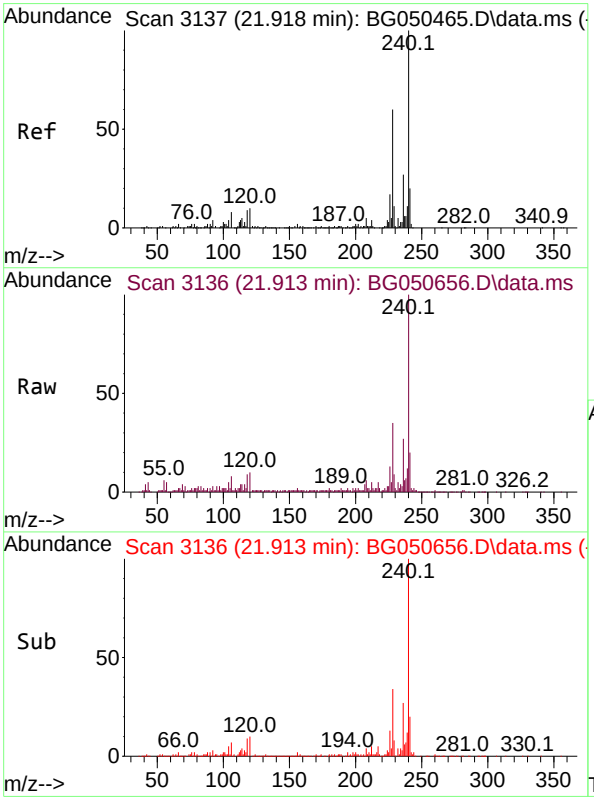


#75
Fluoranthene
Concen: 41.224 ng
RT: 19.651 min Scan# 2751
Delta R.T. -0.011 min
Lab File: BG050656.D
Acq: 20 Oct 2021 22:17

Tgt Ion:202 Resp: 663739

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	24.7
203	18.7	0.0	38.5

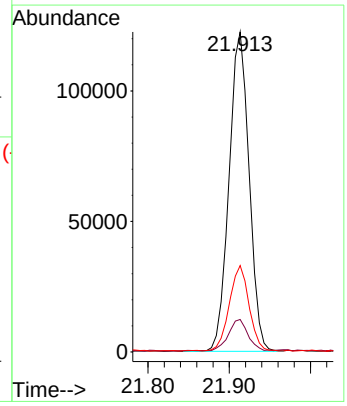




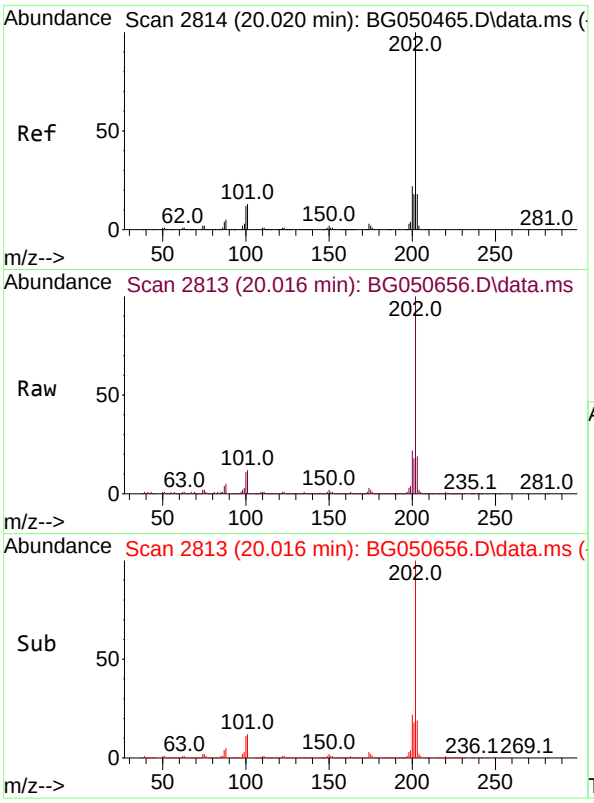
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.913 min Scan# 3136
Delta R.T. -0.011 min
Lab File: BG050656.D
Acq: 20 Oct 2021 22:17

Tgt Ion:240 Resp: 209898

Ion	Ratio	Lower	Upper
240	100		
120	10.1	4.2	6.2#
236	27.0	21.8	32.6



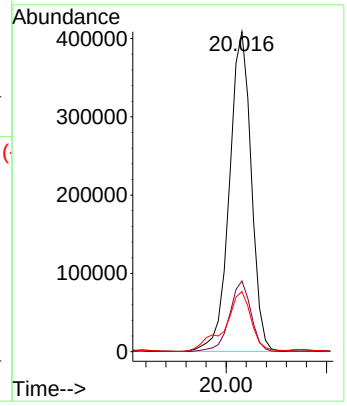
Instrument :
BNA_G
ClientSampleId :
SA-01-101921

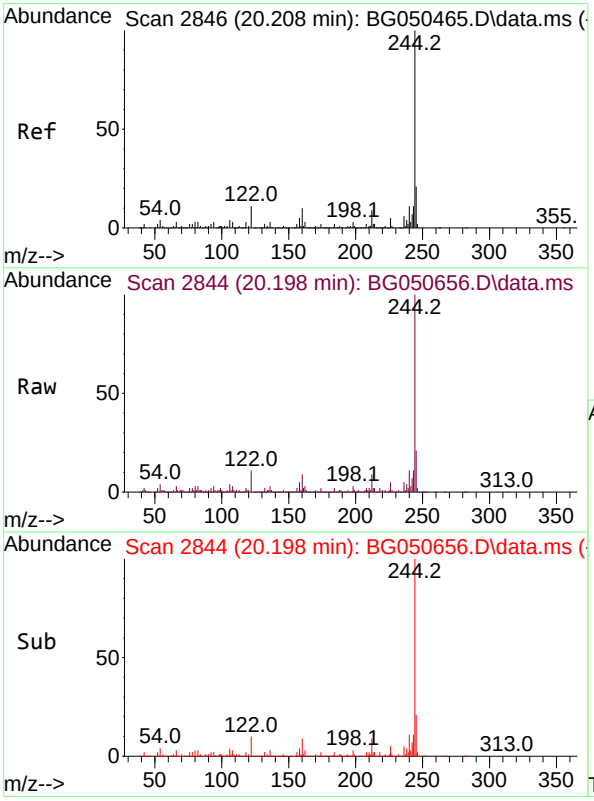


#78
Pyrene
Concen: 41.311 ng
RT: 20.016 min Scan# 2813
Delta R.T. -0.005 min
Lab File: BG050656.D
Acq: 20 Oct 2021 22:17

Tgt Ion:202 Resp: 615217

Ion	Ratio	Lower	Upper
202	100		
200	22.1	15.8	23.8
203	18.8	14.6	21.8

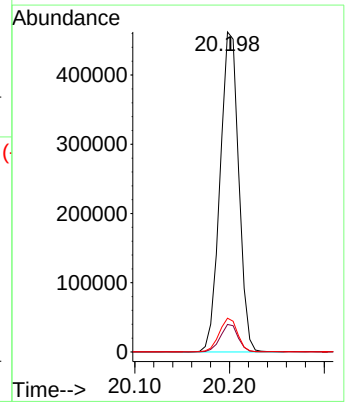




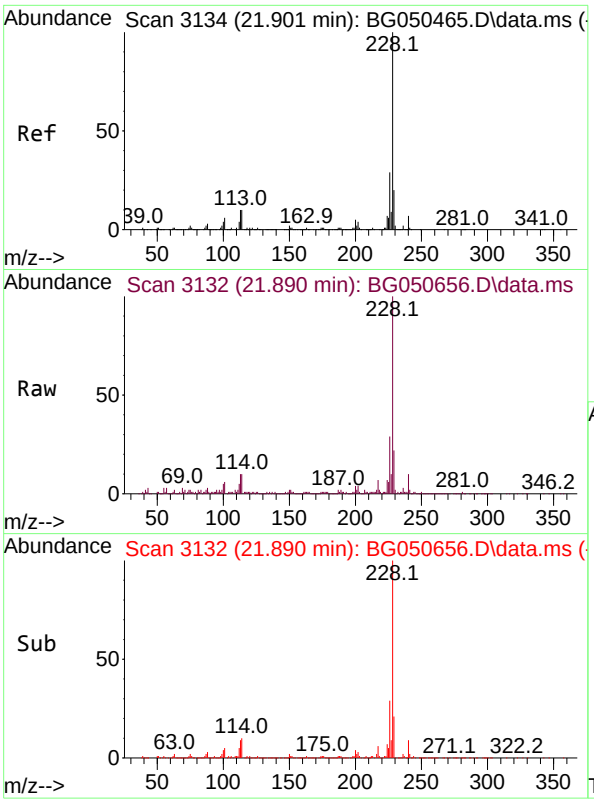
#79
Terphenyl-d14
Concen: 58.796 ng
RT: 20.198 min Scan# 2844
Delta R.T. -0.011 min
Lab File: BG050656.D
Acq: 20 Oct 2021 22:17

Tgt Ion:244 Resp: 633257

Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.9	10.3
122	10.5	5.0	7.6#



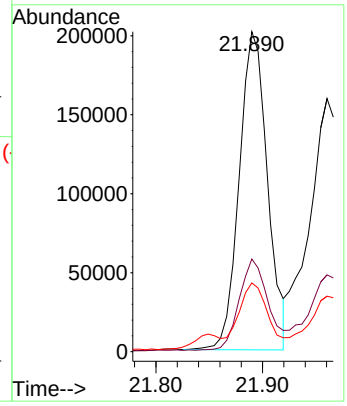
Instrument :
BNA_G
ClientSampleId :
SA-01-101921

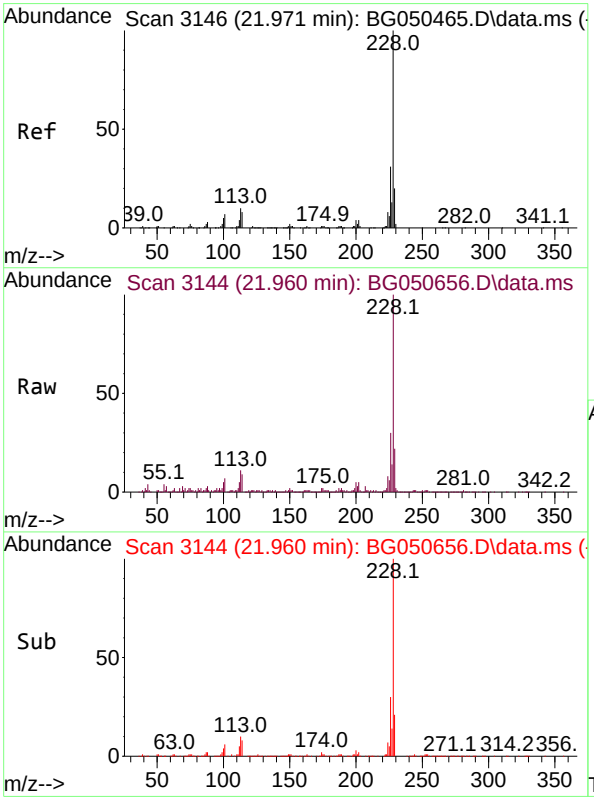


#81
Benzo(a)anthracene
Concen: 26.718 ng
RT: 21.890 min Scan# 3132
Delta R.T. -0.011 min
Lab File: BG050656.D
Acq: 20 Oct 2021 22:17

Tgt Ion:228 Resp: 371080

Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.7	34.1
229	21.5	16.0	24.0

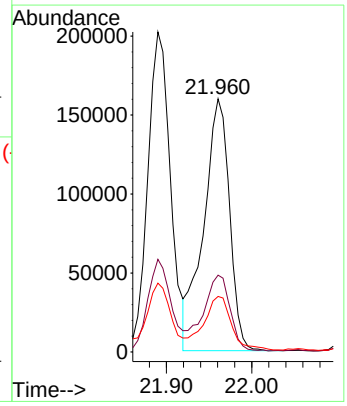




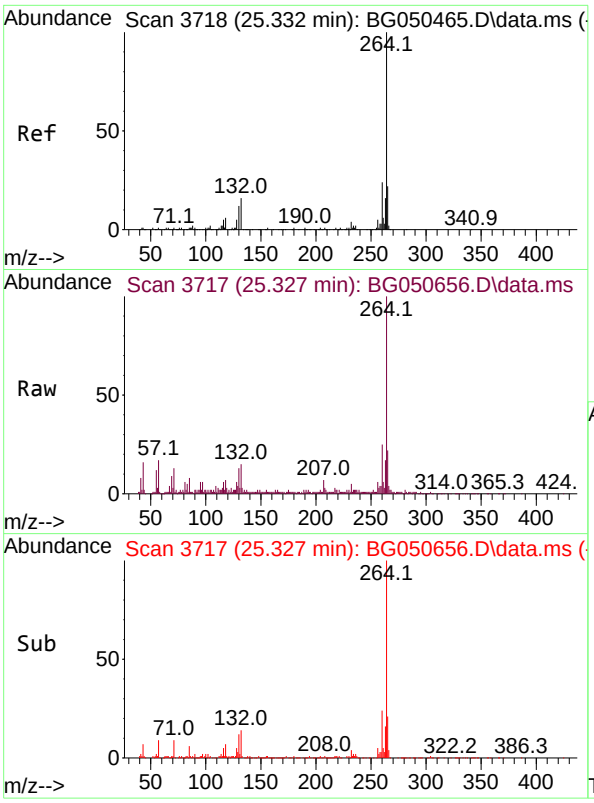
#83
Chrysene
Concen: 25.849 ng
RT: 21.960 min Scan# 3144
Delta R.T. -0.011 min
Lab File: BG050656.D
Acq: 20 Oct 2021 22:17

Tgt Ion:228 Resp: 337699

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.1	34.7
229	21.9	15.3	22.9



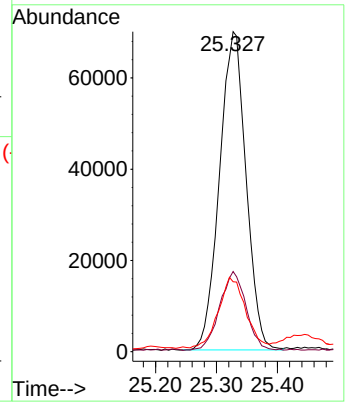
Instrument :
BNA_G
ClientSampleId :
SA-01-101921

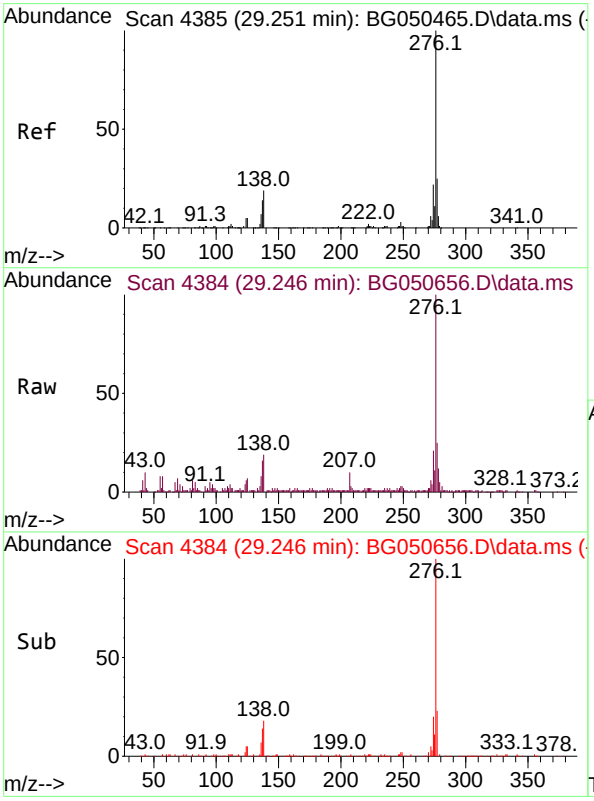


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.327 min Scan# 3717
Delta R.T. -0.005 min
Lab File: BG050656.D
Acq: 20 Oct 2021 22:17

Tgt Ion:264 Resp: 211040

Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.4	29.2
265	21.8	16.9	25.3

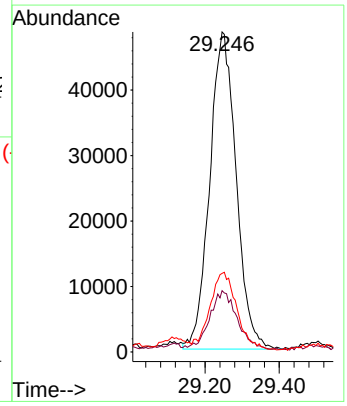




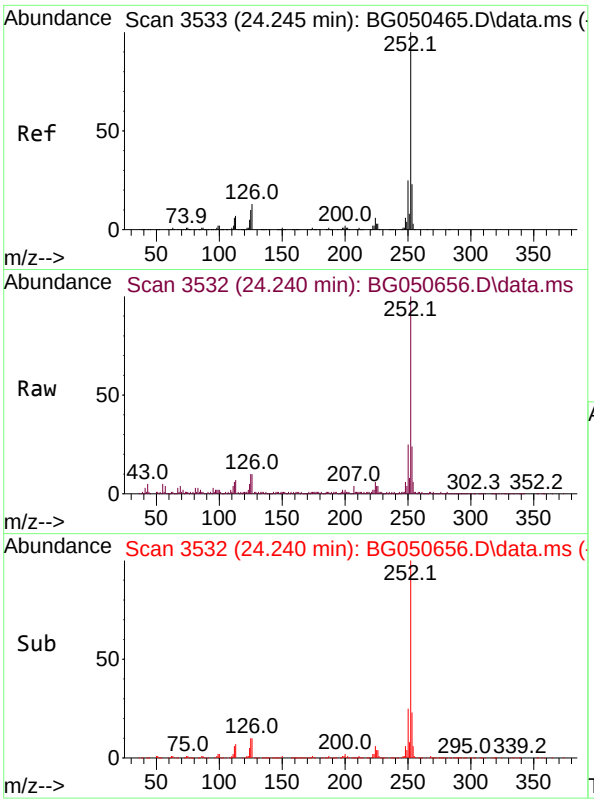
#87
Indeno(1,2,3-cd)pyrene
Concen: 16.342 ng
RT: 29.246 min Scan# 4384
Delta R.T. -0.017 min
Lab File: BG050656.D
Acq: 20 Oct 2021 22:17

Tgt Ion:276 Resp: 240215

Ion	Ratio	Lower	Upper
276	100		
138	19.1	5.1	7.7#
277	24.4	19.8	29.6



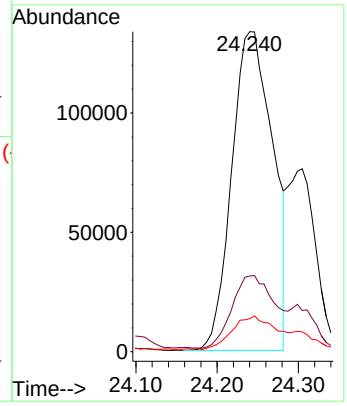
Instrument :
BNA_G
ClientSampleId :
SA-01-101921

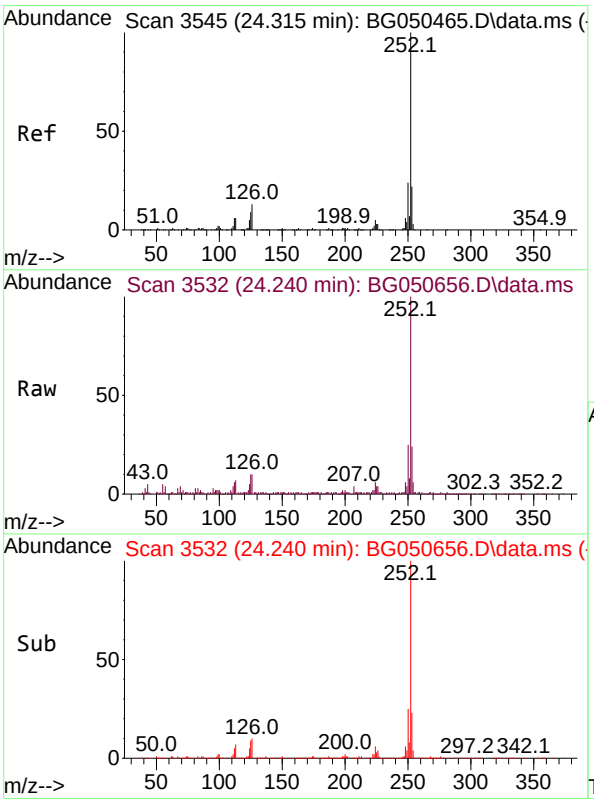


#88
Benzo(b)fluoranthene
Concen: 36.320 ng
RT: 24.240 min Scan# 3532
Delta R.T. -0.005 min
Lab File: BG050656.D
Acq: 20 Oct 2021 22:17

Tgt Ion:252 Resp: 469421

Ion	Ratio	Lower	Upper
252	100		
253	23.7	16.2	24.4
125	10.3	3.0	4.4#

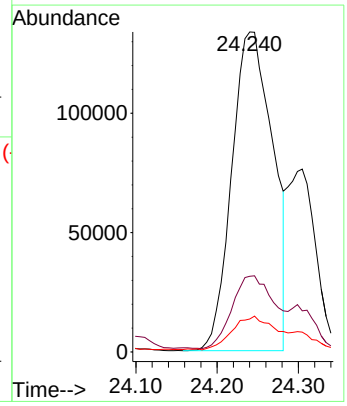




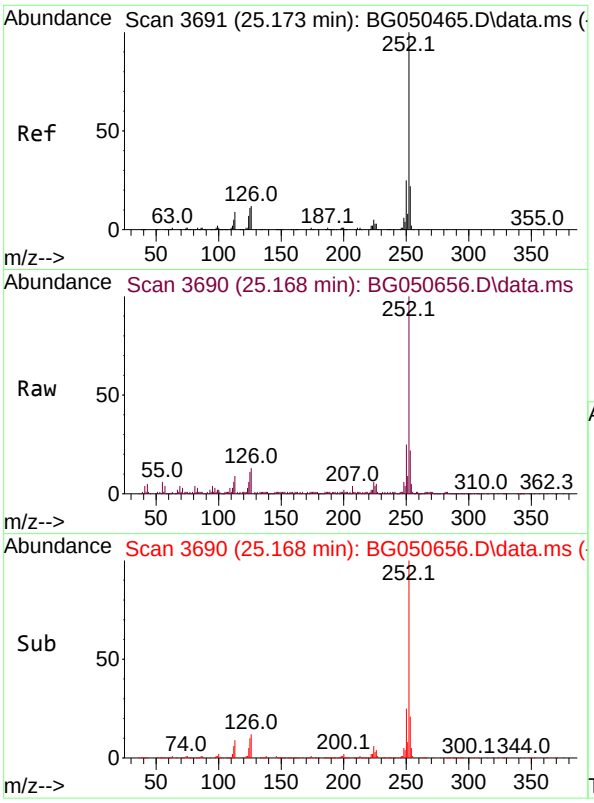
#89
Benzo(k)fluoranthene
Concen: 36.919 ng
RT: 24.240 min Scan# 3532
Delta R.T. -0.076 min
Lab File: BG050656.D
Acq: 20 Oct 2021 22:17

Tgt Ion:252 Resp: 469421

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	10.3	3.1	4.7#



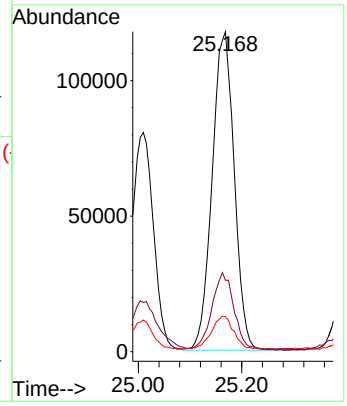
Instrument :
BNA_G
ClientSampleId :
SA-01-101921

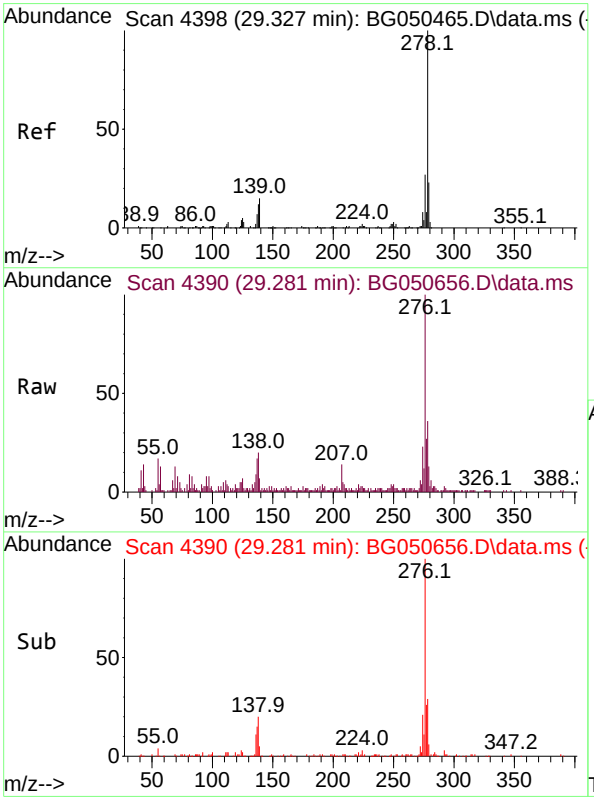


#90
Benzo(a)pyrene
Concen: 31.680 ng
RT: 25.168 min Scan# 3690
Delta R.T. -0.005 min
Lab File: BG050656.D
Acq: 20 Oct 2021 22:17

Tgt Ion:252 Resp: 348135

Ion	Ratio	Lower	Upper
252	100		
253	22.3	16.6	25.0
125	10.9	3.5	5.3#

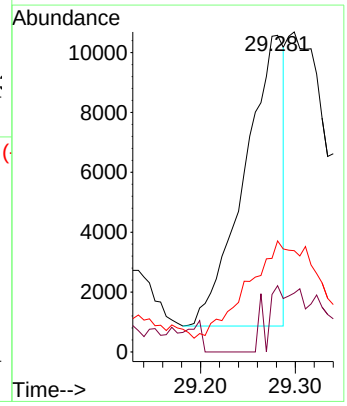


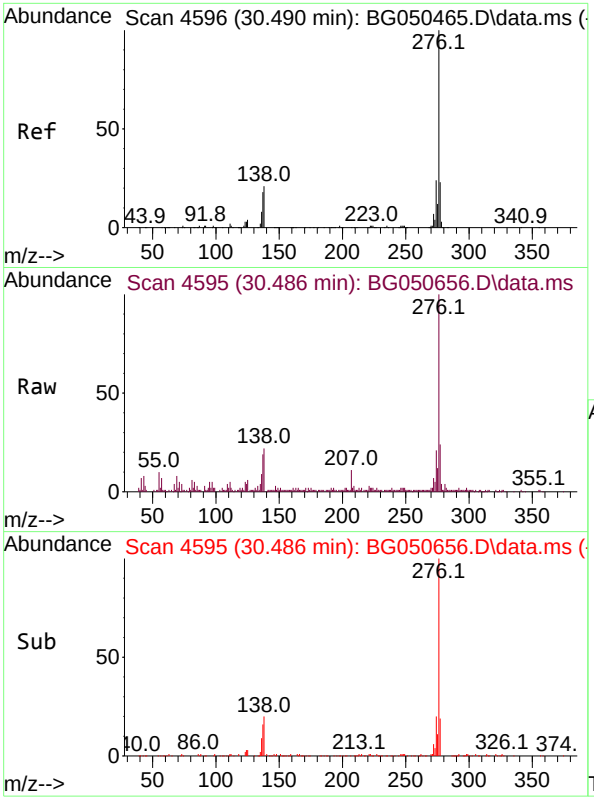


#91
Dibenzo(a,h)anthracene
Concen: 2.308 ng
RT: 29.281 min Scan# 4390
Delta R.T. -0.052 min
Lab File: BG050656.D
Acq: 20 Oct 2021 22:17

Tgt Ion:278 Resp: 28063

Ion	Ratio	Lower	Upper
278	100		
139	20.9	4.6	6.8#
279	35.0	17.9	26.9#

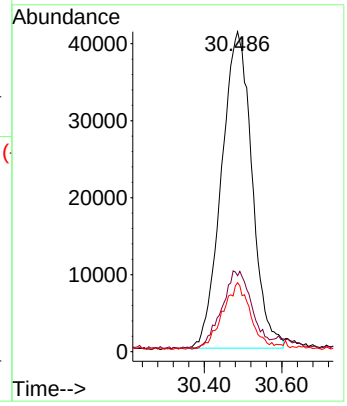




#92
Benzo(g,h,i)perylene
Concen: 18.836 ng
RT: 30.486 min Scan# 4595
Delta R.T. -0.011 min
Lab File: BG050656.D
Acq: 20 Oct 2021 22:17

Tgt Ion:276 Resp: 224291

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.4	27.6
138	21.5	7.0	10.6#



Instrument :
BNA_G
ClientSampleId :
SA-01-101921