Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101121\
Data File : BG050537.D
Acq On : 11 Oct 2021 15:55
Operator : CG/JU
Sample : M4107-01DL 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-100621DL

Quant Time: Oct 11 16:32:52 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 06 15:51:01 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.265	152	60880	20.000	ng	0.00
21) Naphthalene-d8	11.086	136	257514	20.000	ng	# 0.00
39) Acenaphthene-d10	14.881	164	168890	20.000	ng	0.00
64) Phenanthrene-d10	17.625	188	345899	20.000	ng	# 0.00
76) Chrysene-d12	21.926	240	298859	20.000	ng	# 0.00
86) Perylene-d12	25.345	264	301183	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.798	112	6465	1.588	ng	0.00
7) Phenol-d6	7.396	99	9296	1.577	ng	0.00
23) Nitrobenzene-d5	9.435	82	6886	1.107	ng	0.00
42) 2,4,6-Tribromophenol	16.362	330	2345	1.456	ng	0.00
45) 2-Fluorobiphenyl	13.500	172	12431	1.108	ng	0.00
79) Terphenyl-d14	20.210	244	16987	1.108	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.466	77	61	Below Cal	#	32
31) Naphthalene	11.139	128	134746	9.776	ng	98
33) 4-Chloroaniline	11.139	127	17688	3.058	ng	# 30
49) Acenaphthylene	14.946	152	42876	2.766	ng	# 1
51) 2,6-Dinitrotoluene	14.881	165	23354	9.134	ng	# 12
52) Acenaphthene	14.940	154	76558	7.687	ng	91
55) Dibenzofuran	15.275	168	45974	2.985	ng	96
58) Fluorene	15.921	166	73522	6.214	ng	94
71) Phenanthrene	17.666	178	673417	36.945	ng	98
72) Anthracene	17.754	178	156424	8.636	ng	98
73) Carbazole	18.019	167	103139	5.713	ng	98
75) Fluoranthene	19.664	202	885020	39.499	ng	96
78) Pyrene	20.022	202	737354	34.774	ng	97
81) Benzo(a)anthracene	21.902	228	387930	19.617	ng	100
83) Chrysene	21.973	228	321250	17.270	ng	93
87) Indeno(1,2,3-cd)pyrene	29.258	276	177307	8.452	ng	# 91
88) Benzo(b)fluoranthene	24.253	252	398364	21.597	ng	# 93
89) Benzo(k)fluoranthene	24.253	252	398364	21.953	ng	# 97
90) Benzo(a)pyrene	25.181	252	300710	19.174	ng	# 94
91) Dibenzo(a,h)anthracene	29.300	278	46635	2.688	ng	# 87
92) Benzo(g,h,i)perylene	30.492	276	163582	9.626	ng	# 92

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

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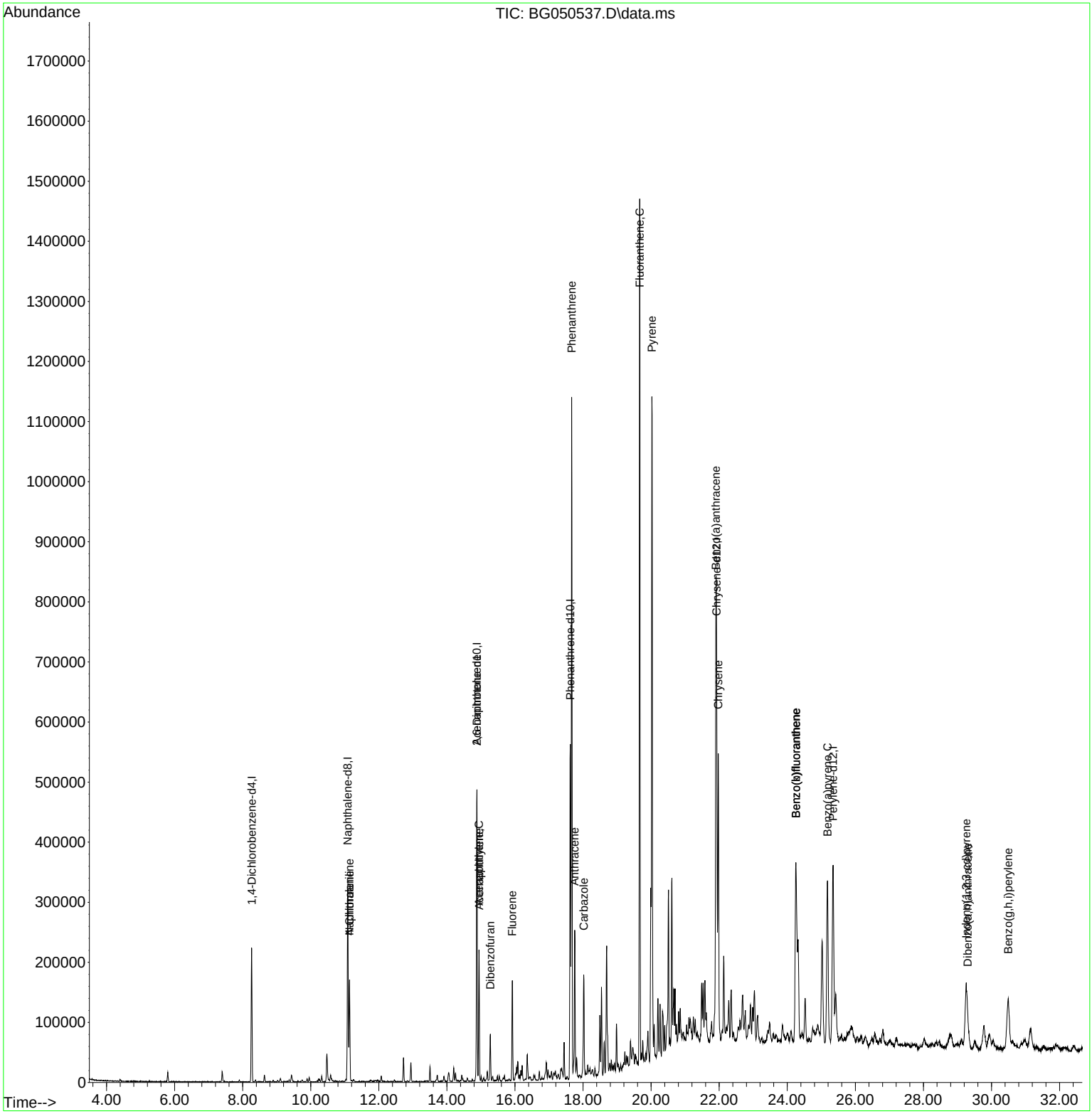
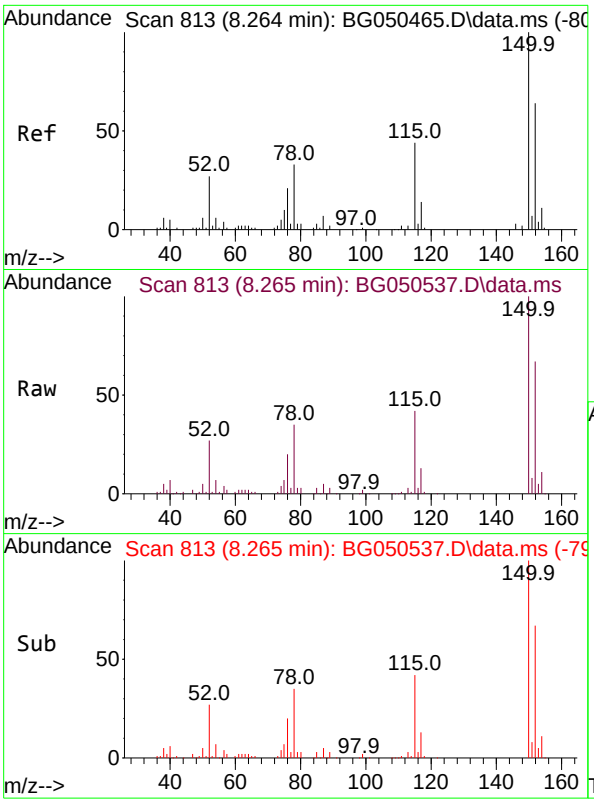
Quant Time: Oct 11 16:32:52 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 06 15:51:01 2021
Response via : Initial Calibration



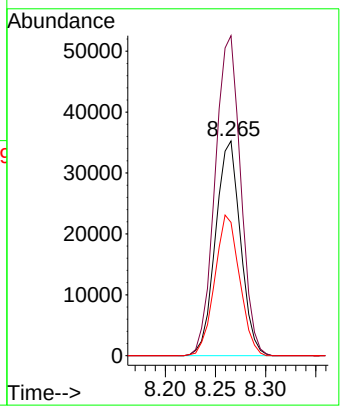
Instrument :
BNA_G
ClientSampleId :
OK-01-100621DL

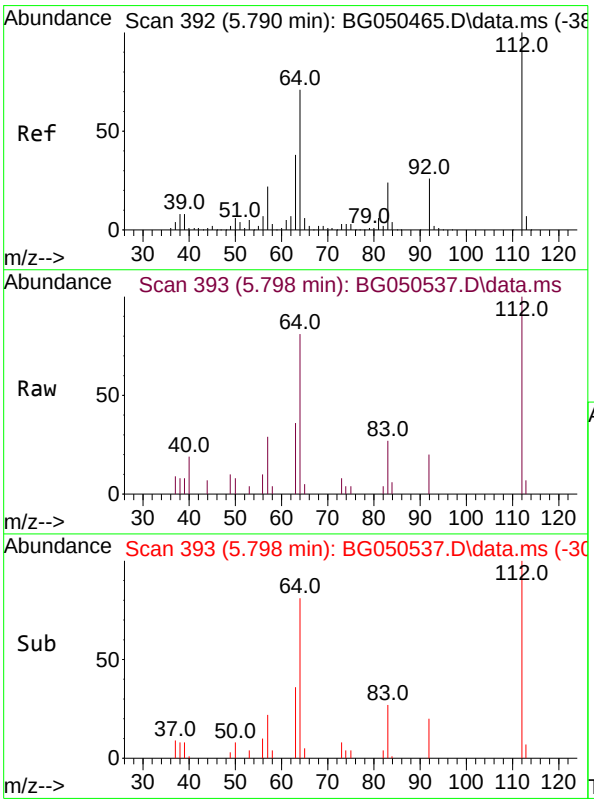


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.265 min Scan# 813
Delta R.T. 0.001 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:152 Resp: 60880

Ion	Ratio	Lower	Upper
152	100		
150	149.0	119.4	179.0
115	62.0	60.2	90.4

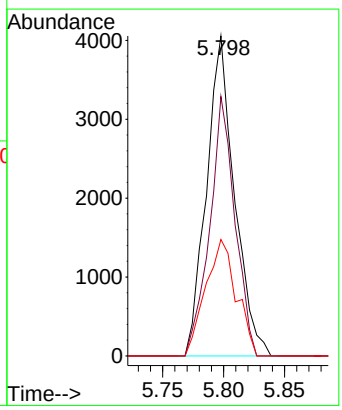


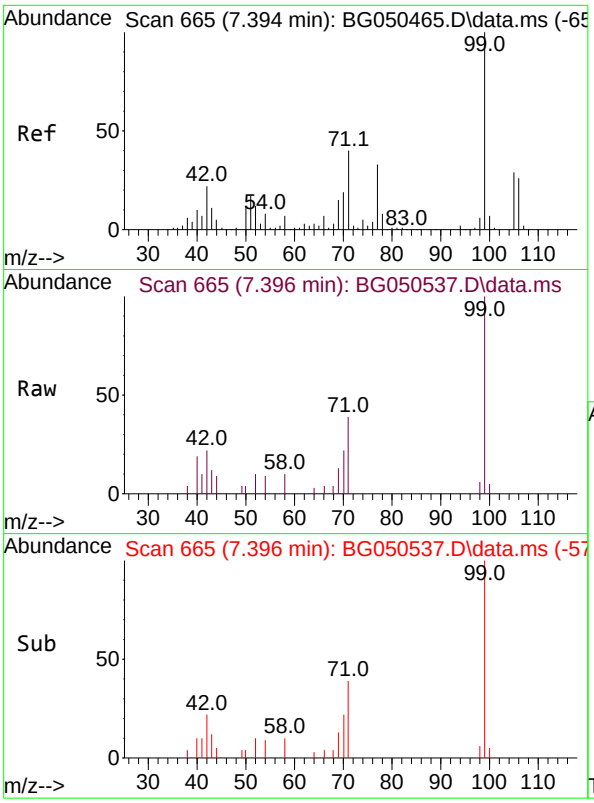


#5
2-Fluorophenol
Concen: 1.588 ng
RT: 5.798 min Scan# 393
Delta R.T. 0.008 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:112 Resp: 6465

Ion	Ratio	Lower	Upper
112	100		
64	81.1	46.7	70.1#
63	36.4	35.3	52.9

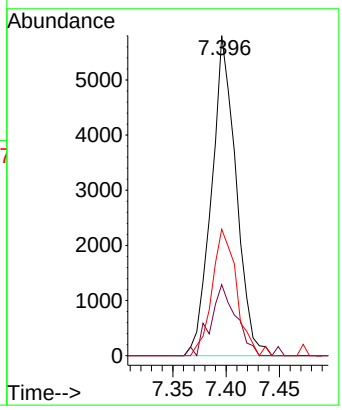




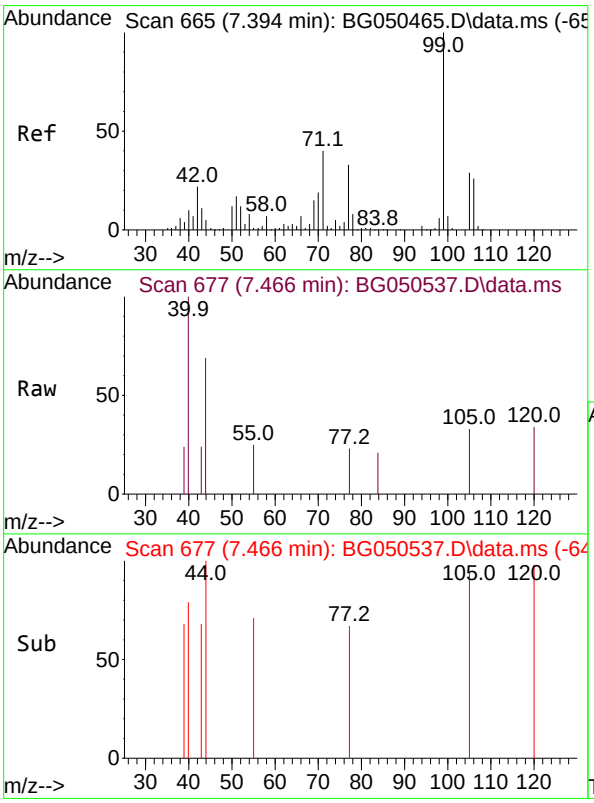
#7
Phenol-d6
Concen: 1.577 ng
RT: 7.396 min Scan# 665
Delta R.T. 0.002 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion: 99 Resp: 9296

Ion	Ratio	Lower	Upper
99	100		
42	22.2	20.5	30.7
71	39.5	41.5	62.3#



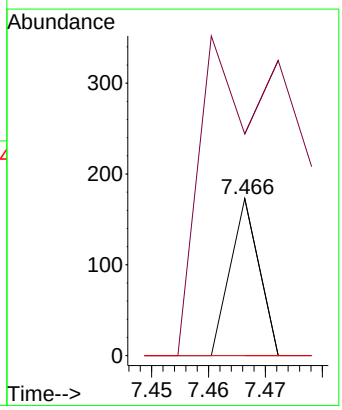
Instrument :
BNA_G
ClientSampleId :
OK-01-100621DL



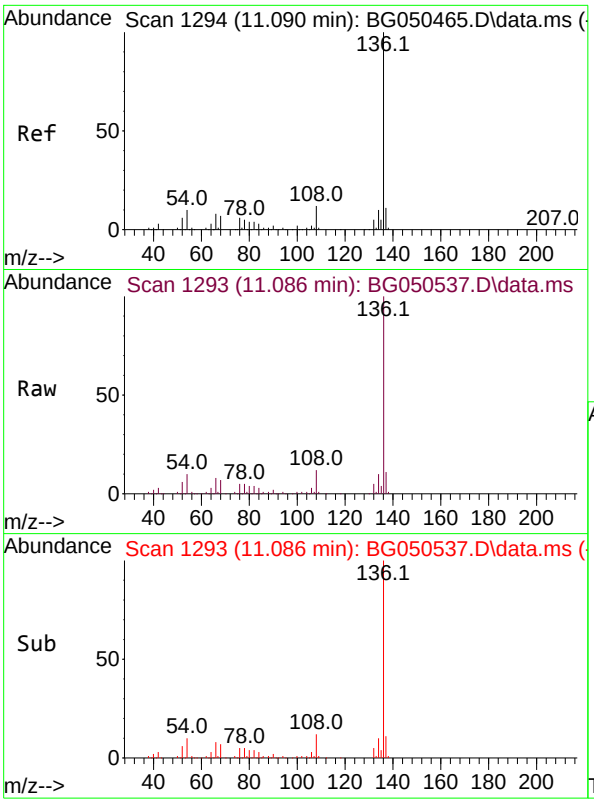
#9
Benzaldehyde
Concen: Below Cal
RT: 7.466 min Scan# 677
Delta R.T. 0.072 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion: 77 Resp: 61

Ion	Ratio	Lower	Upper
77	100		
105	141.0	68.8	108.8#
106	0.0	47.9	87.9#



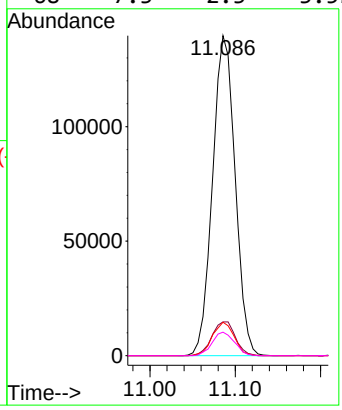
Instrument :
BNA_G
ClientSampleId :
OK-01-100621DL

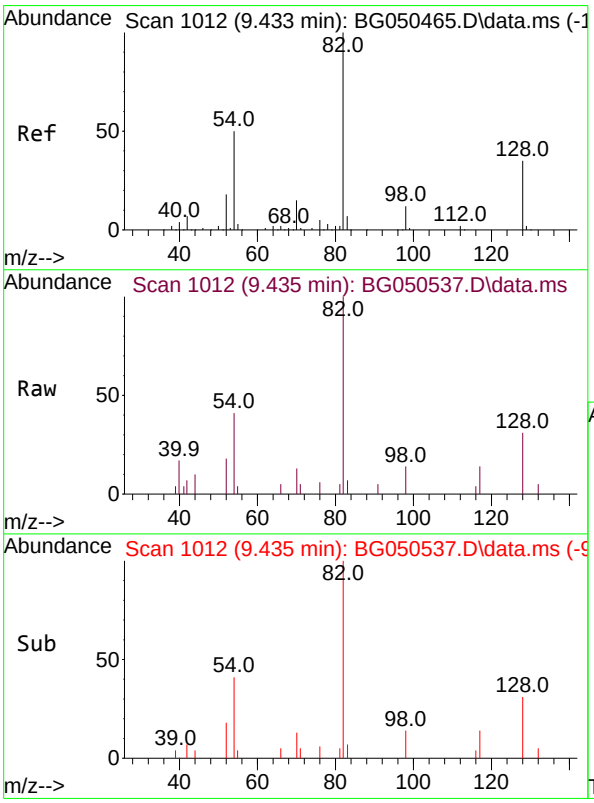


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.086 min Scan# 1293
Delta R.T. -0.004 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:136 Resp: 257514

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.2	12.2
54	10.4	5.5	8.3#
68	7.3	2.3	3.5#

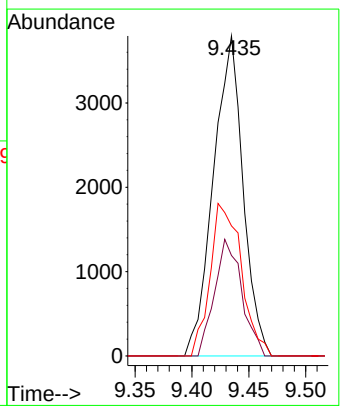


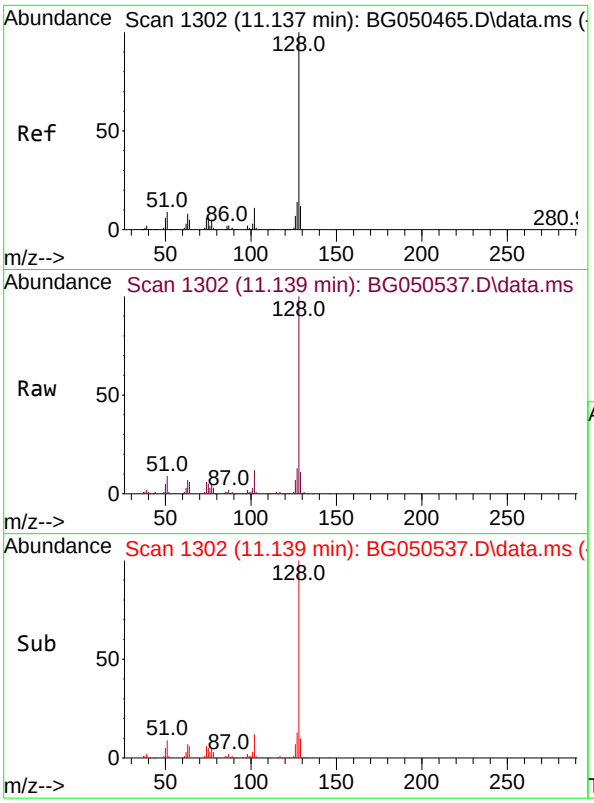


#23
Nitrobenzene-d5
Concen: 1.107 ng
RT: 9.435 min Scan# 1012
Delta R.T. 0.002 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion: 82 Resp: 6886

Ion	Ratio	Lower	Upper
82	100		
128	31.4	29.8	44.6
54	40.7	45.8	68.8#

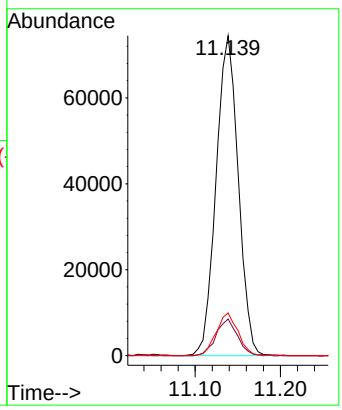




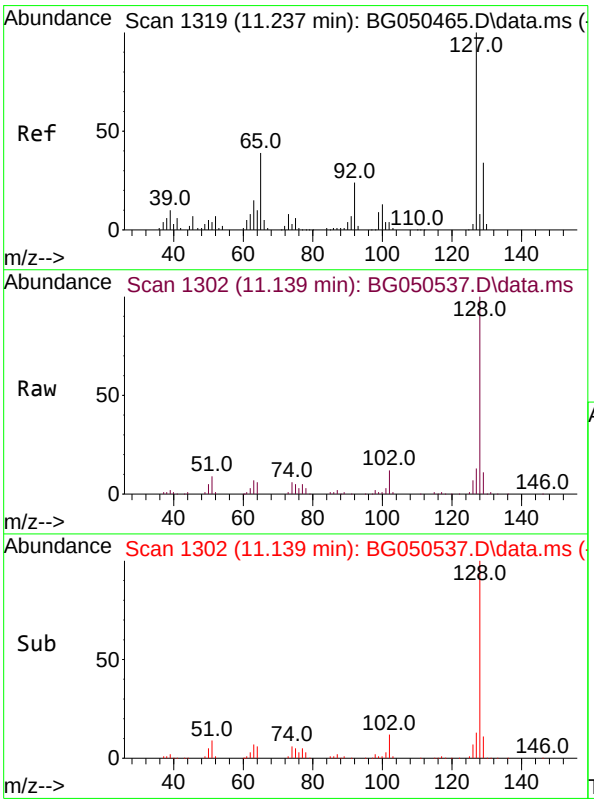
#31
Naphthalene
Concen: 9.776 ng
RT: 11.139 min Scan# 1302
Delta R.T. 0.002 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:128 Resp: 134746

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.5	12.7
127	13.4	10.2	15.4



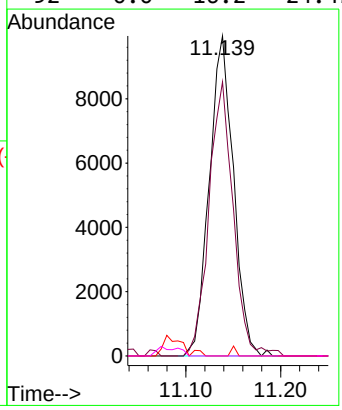
Instrument :
BNA_G
ClientSampleId :
OK-01-100621DL



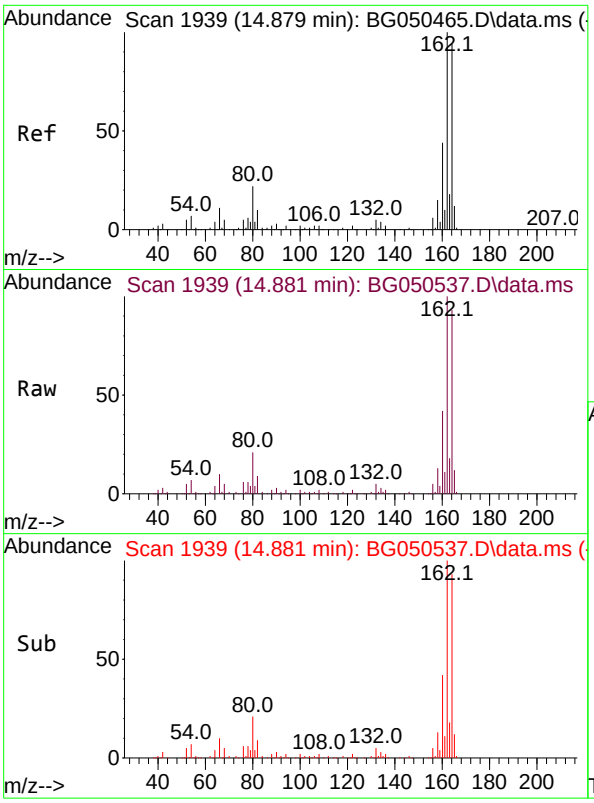
#33
4-Chloroaniline
Concen: 3.058 ng
RT: 11.139 min Scan# 1302
Delta R.T. -0.098 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:127 Resp: 17688

Ion	Ratio	Lower	Upper
127	100		
129	85.7	26.7	40.1#
65	0.0	32.8	49.2#
92	0.0	16.2	24.4#



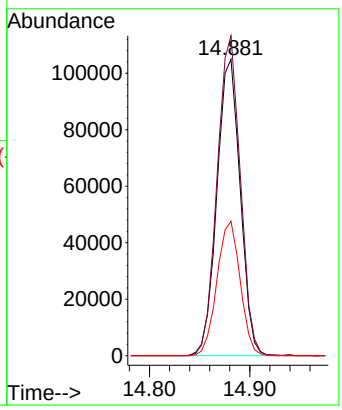
Instrument :
BNA_G
ClientSampleId :
OK-01-100621DL

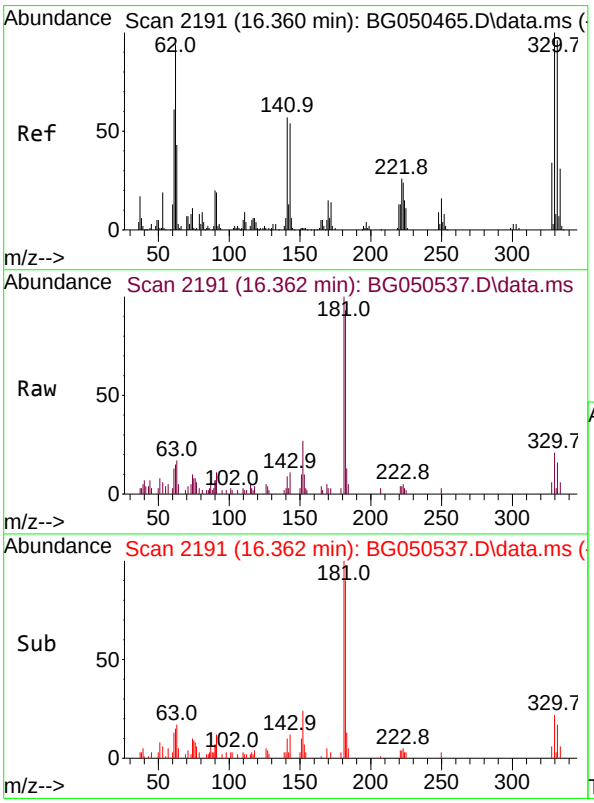


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.881 min Scan# 1939
Delta R.T. 0.002 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:164 Resp: 168890

Ion	Ratio	Lower	Upper
164	100		
162	107.9	81.4	122.0
160	45.3	34.9	52.3

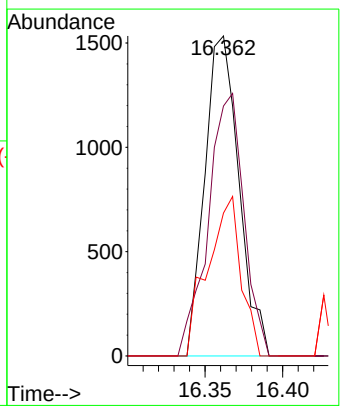




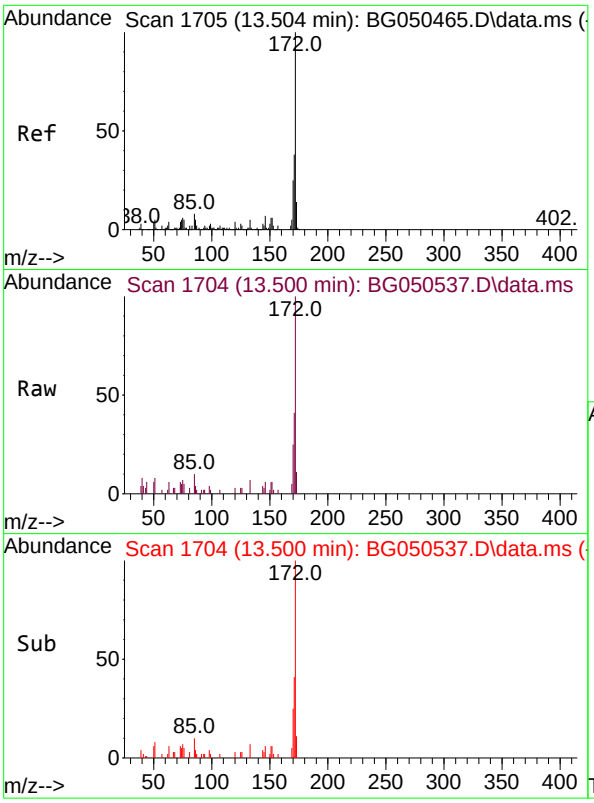
#42
2,4,6-Tribromophenol
Concen: 1.456 ng
RT: 16.362 min Scan# 2191
Delta R.T. 0.002 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:330 Resp: 2345

Ion	Ratio	Lower	Upper
330	100		
332	85.8	77.3	115.9
141	48.6	35.6	53.4



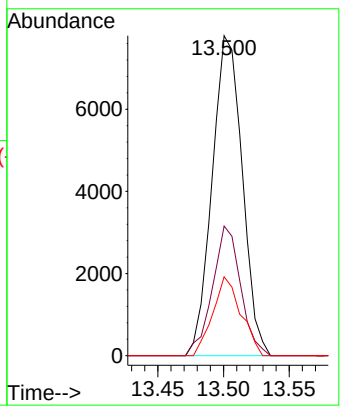
Instrument :
BNA_G
ClientSampleId :
OK-01-100621DL

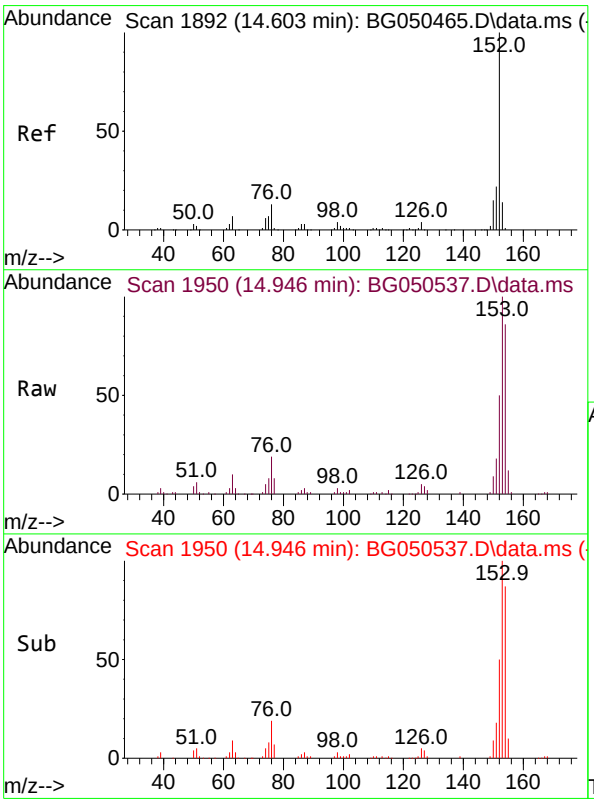


#45
2-Fluorobiphenyl
Concen: 1.108 ng
RT: 13.500 min Scan# 1704
Delta R.T. -0.004 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:172 Resp: 12431

Ion	Ratio	Lower	Upper
172	100		
171	40.5	28.6	43.0
170	24.6	18.6	27.8

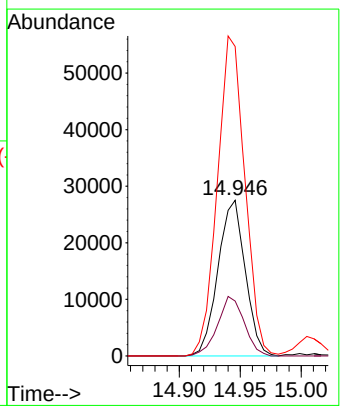




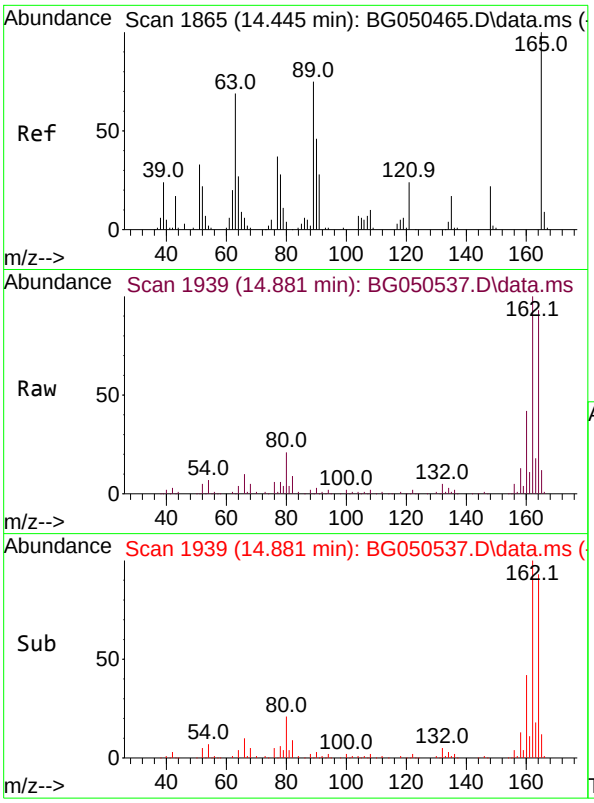
#49
Acenaphthylene
Concen: 2.766 ng
RT: 14.946 min Scan# 1950
Delta R.T. 0.343 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:152 Resp: 42876

Ion	Ratio	Lower	Upper
152	100		
151	35.3	18.2	27.4#
153	198.8	11.7	17.5#



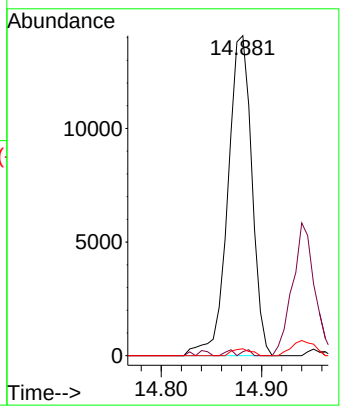
Instrument :
BNA_G
ClientSampleId :
OK-01-100621DL

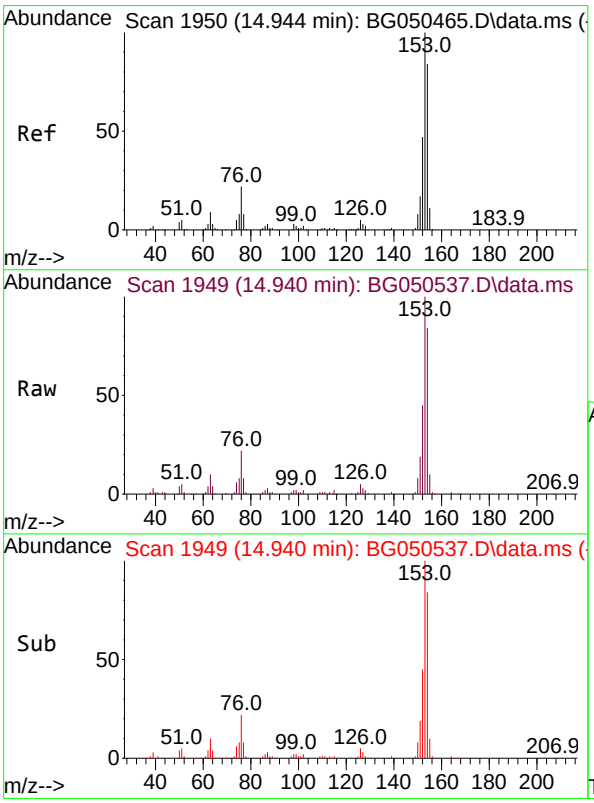


#51
2,6-Dinitrotoluene
Concen: 9.134 ng
RT: 14.881 min Scan# 1939
Delta R.T. 0.437 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:165 Resp: 23354

Ion	Ratio	Lower	Upper
165	100		
63	1.3	63.3	94.9#
89	2.2	63.4	95.0#

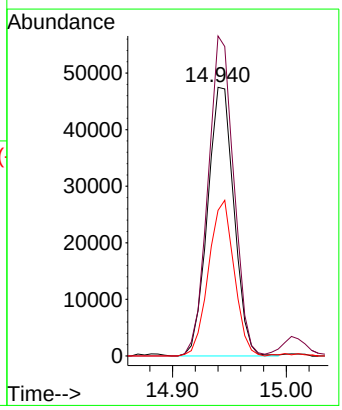




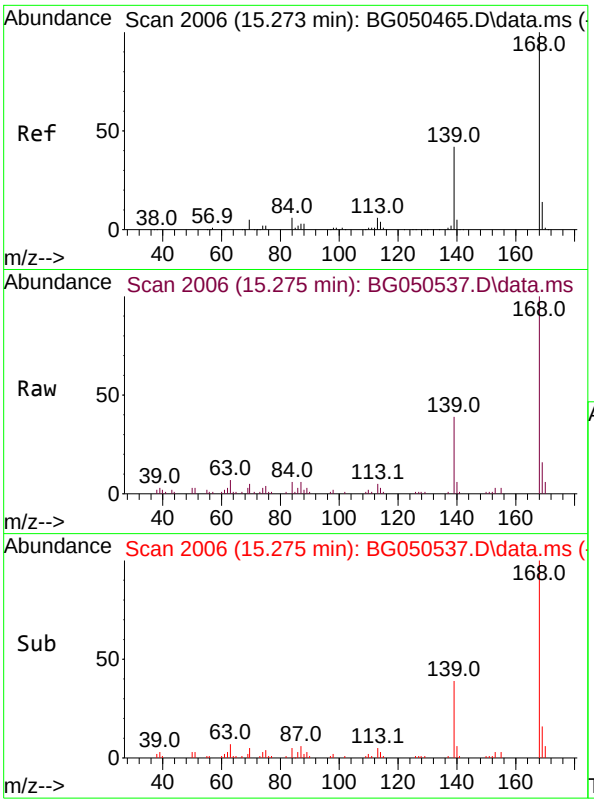
#52
Acenaphthene
Concen: 7.687 ng
RT: 14.940 min Scan# 1949
Delta R.T. -0.004 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:154 Resp: 76558

Ion	Ratio	Lower	Upper
154	100		
153	119.1	87.0	130.4
152	54.2	40.1	60.1



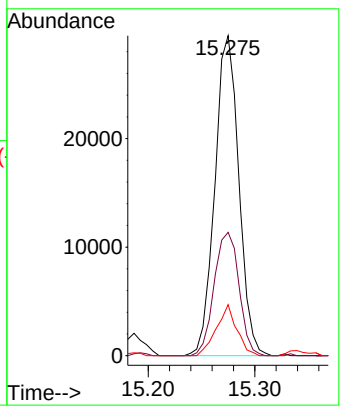
Instrument :
BNA_G
ClientSampleId :
OK-01-100621DL

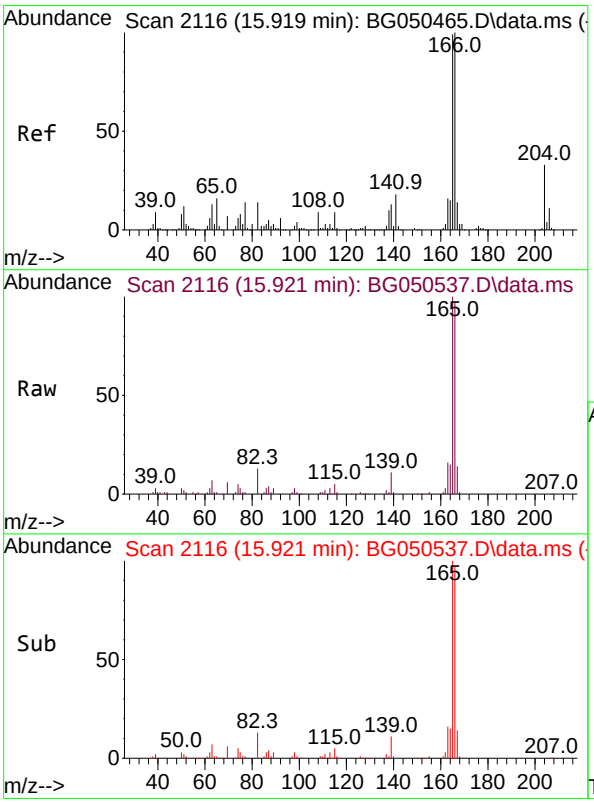


#55
Dibenzofuran
Concen: 2.985 ng
RT: 15.275 min Scan# 2006
Delta R.T. 0.002 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:168 Resp: 45974

Ion	Ratio	Lower	Upper
168	100		
139	38.5	33.4	50.2
169	16.0	12.3	18.5

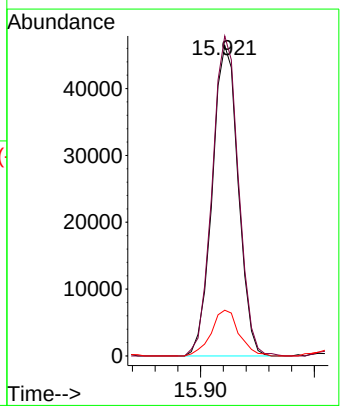




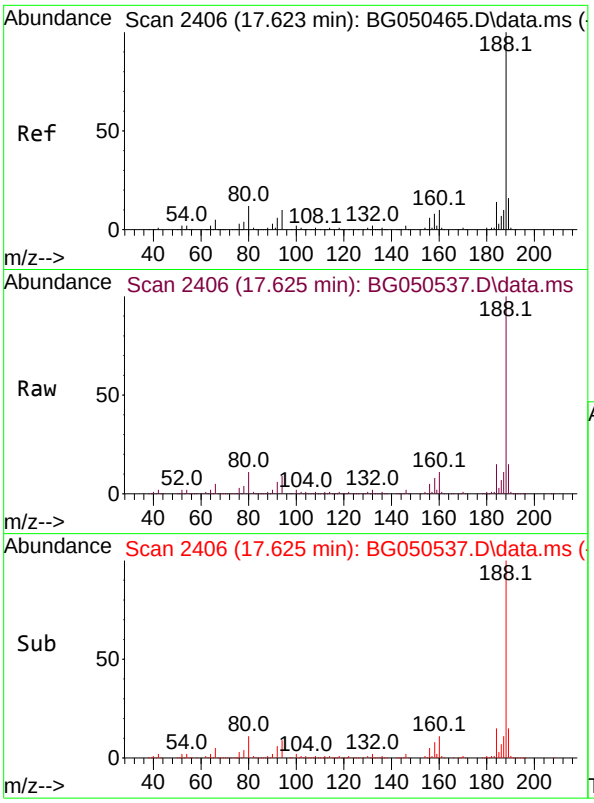
#58
Fluorene
Concen: 6.214 ng
RT: 15.921 min Scan# 2116
Delta R.T. 0.002 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:166 Resp: 73522

Ion	Ratio	Lower	Upper
166	100		
165	103.1	77.7	116.5
167	14.8	10.8	16.2



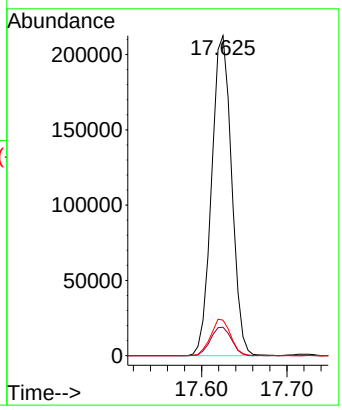
Instrument :
BNA_G
ClientSampleId :
OK-01-100621DL

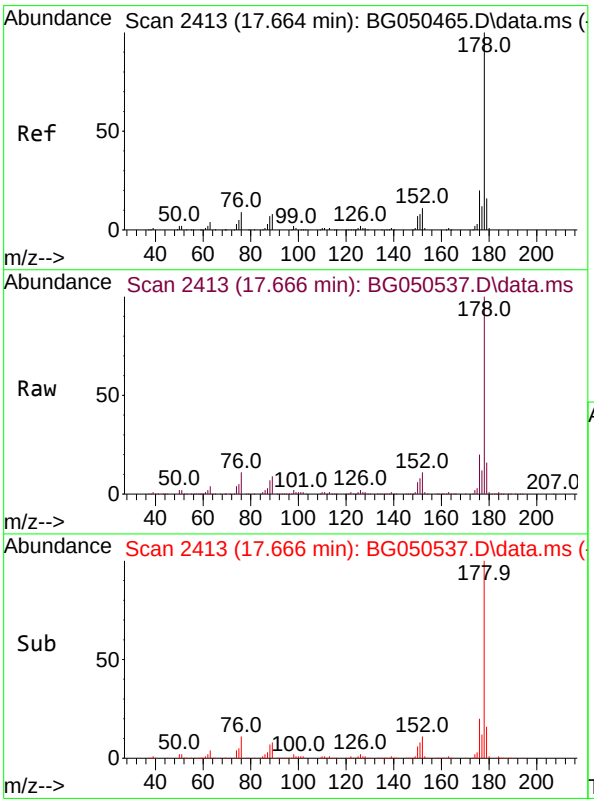


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.625 min Scan# 2406
Delta R.T. 0.002 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:188 Resp: 345899

Ion	Ratio	Lower	Upper
188	100		
94	8.9	5.4	8.0#
80	11.1	3.7	5.5#

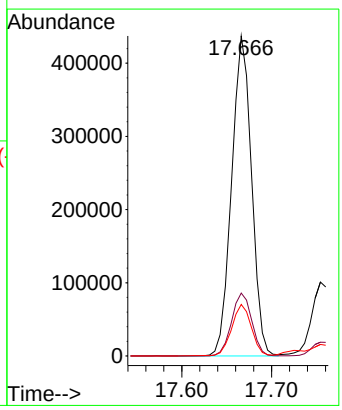




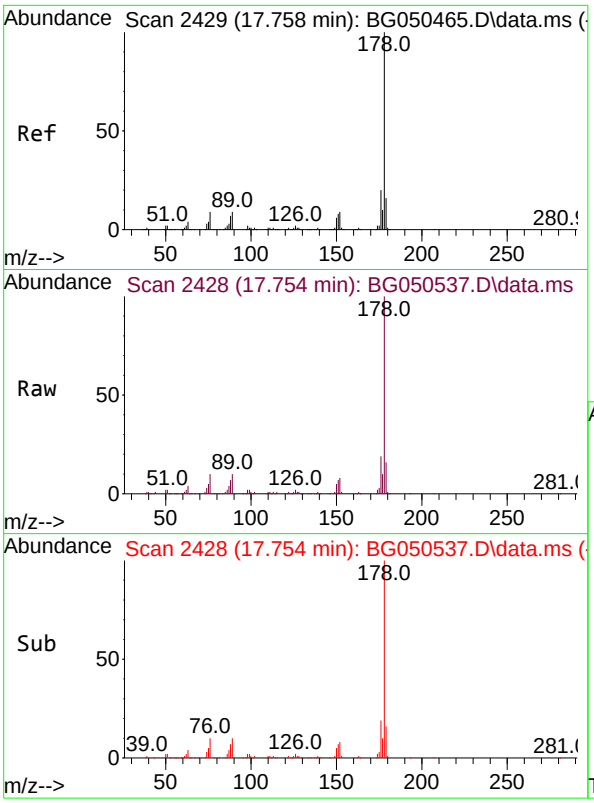
#71
Phenanthrene
Concen: 36.945 ng
RT: 17.666 min Scan# 2413
Delta R.T. 0.002 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:178 Resp: 673417

Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.0	24.0
179	16.1	14.2	21.4



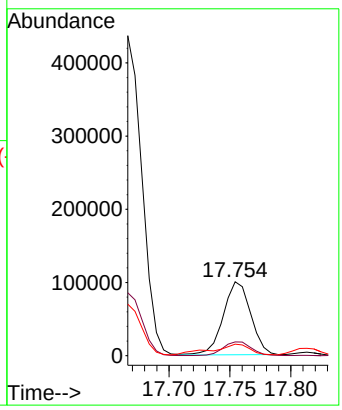
Instrument :
BNA_G
ClientSampleId :
OK-01-100621DL

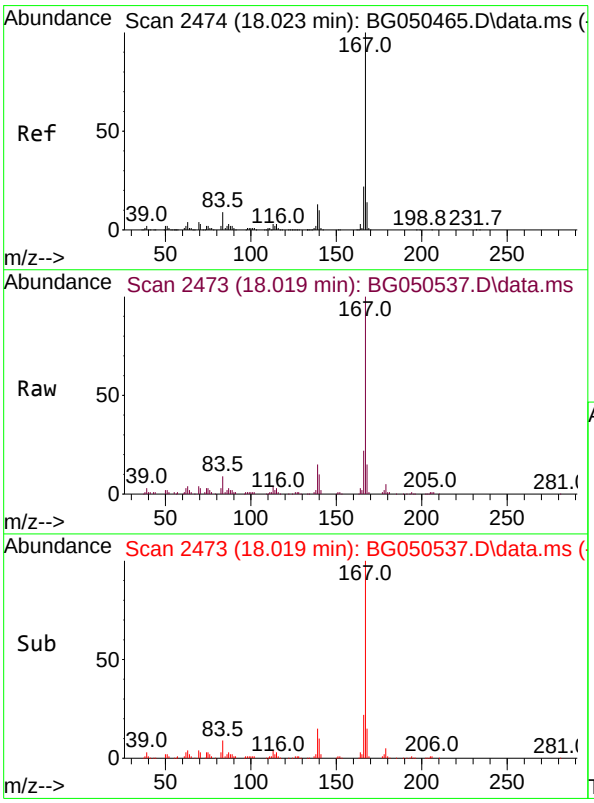


#72
Anthracene
Concen: 8.636 ng
RT: 17.754 min Scan# 2428
Delta R.T. -0.004 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:178 Resp: 156424

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	21.8
179	15.6	13.4	20.0

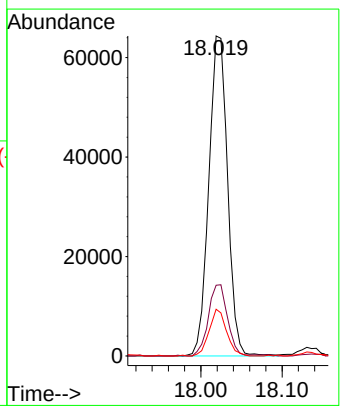




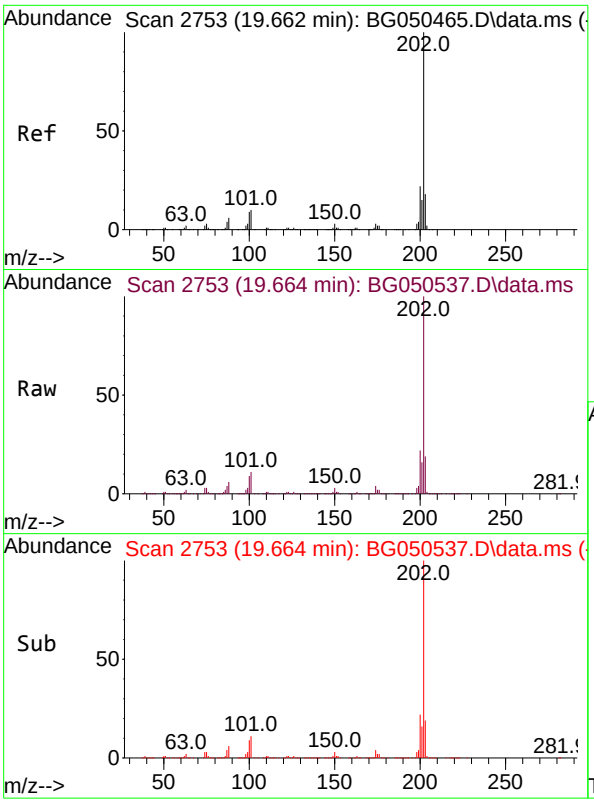
#73
Carbazole
Concen: 5.713 ng
RT: 18.019 min Scan# 2473
Delta R.T. -0.004 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:167 Resp: 103139

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.4	26.2
139	14.6	10.7	16.1



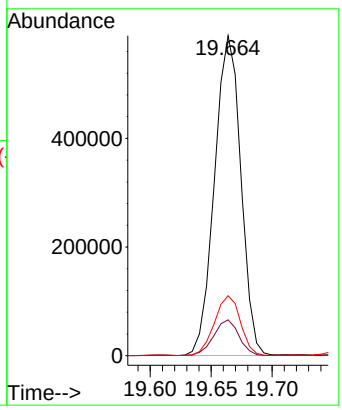
Instrument :
BNA_G
ClientSampleId :
OK-01-100621DL

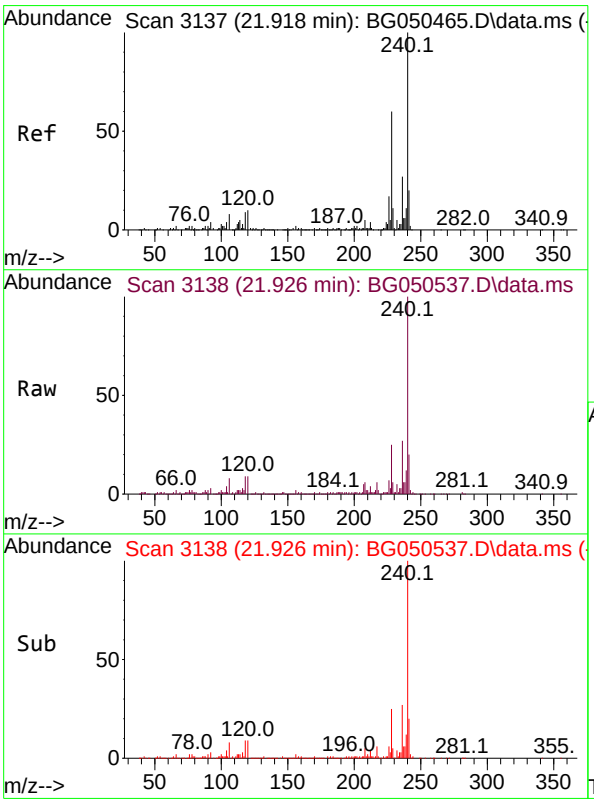


#75
Fluoranthene
Concen: 39.499 ng
RT: 19.664 min Scan# 2753
Delta R.T. 0.002 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:202 Resp: 885020

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	24.7
203	18.8	0.0	38.5

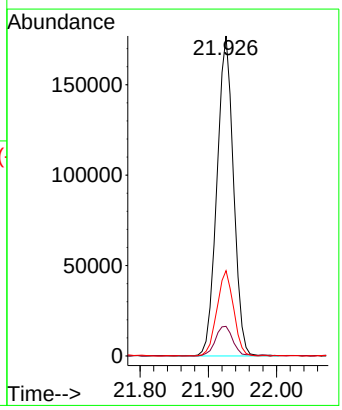




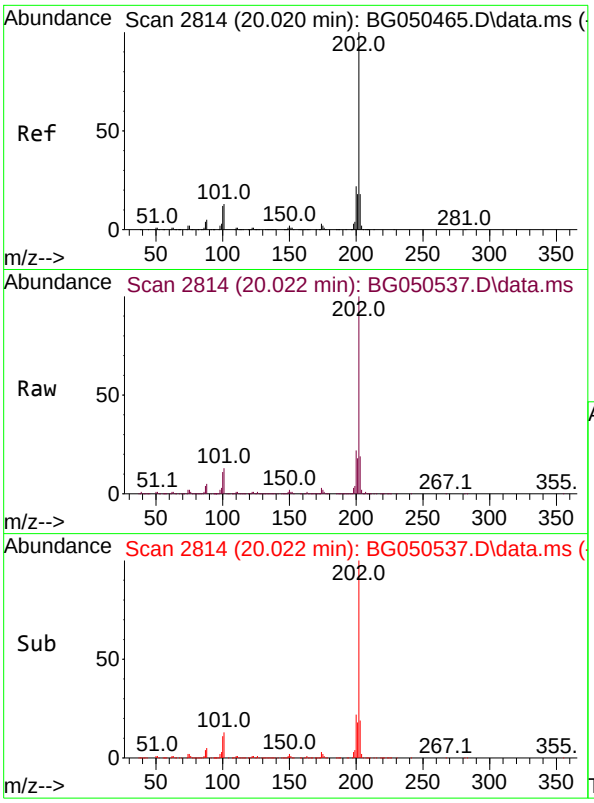
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.926 min Scan# 3138
Delta R.T. 0.008 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:240 Resp: 298859

Ion	Ratio	Lower	Upper
240	100		
120	9.2	4.2	6.2#
236	26.7	21.8	32.6



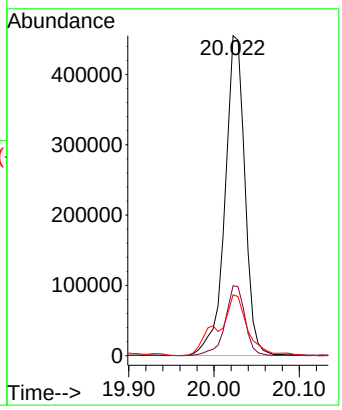
Instrument :
BNA_G
ClientSampleId :
OK-01-100621DL

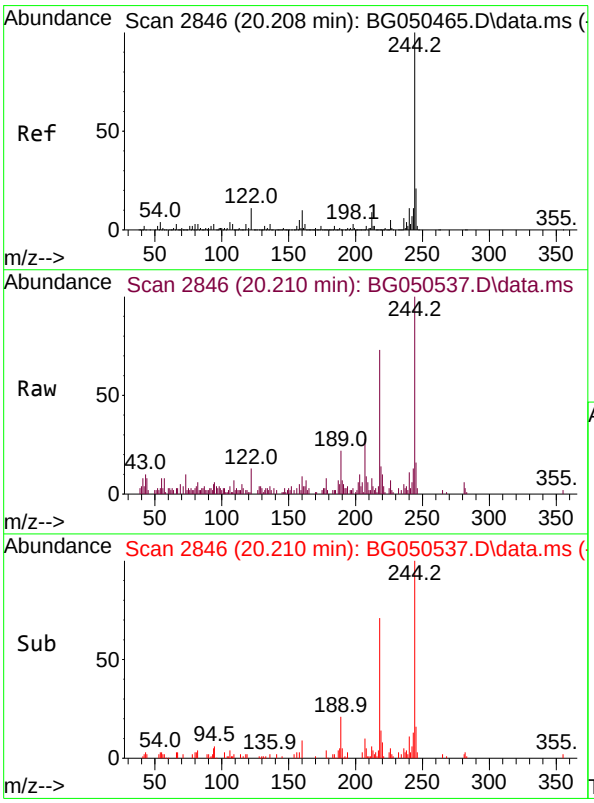


#78
Pyrene
Concen: 34.774 ng
RT: 20.022 min Scan# 2814
Delta R.T. 0.002 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:202 Resp: 737354

Ion	Ratio	Lower	Upper
202	100		
200	21.9	15.8	23.8
203	19.1	14.6	21.8

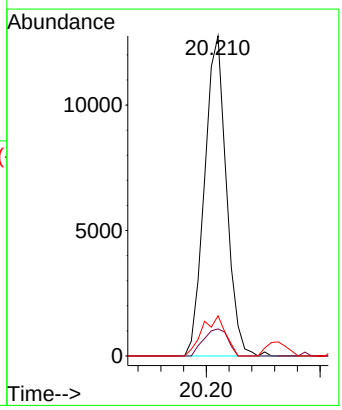




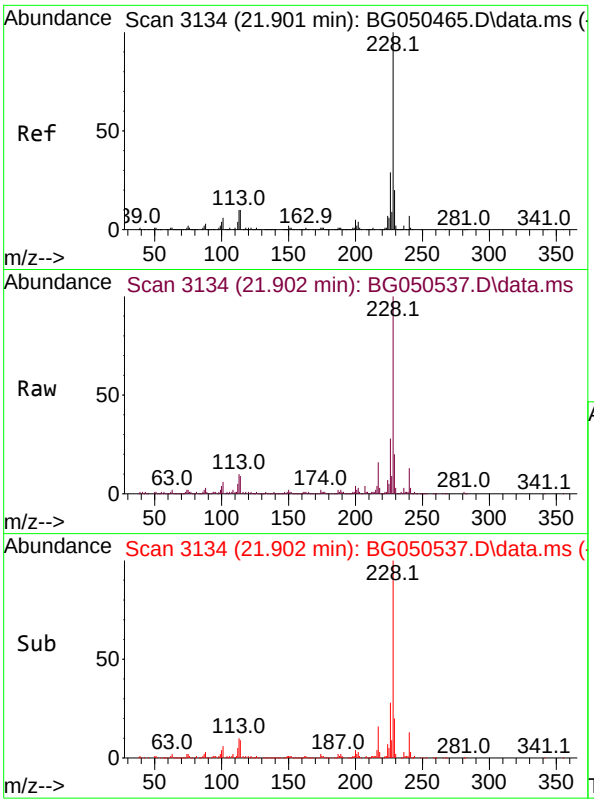
#79
Terphenyl-d14
Concen: 1.108 ng
RT: 20.210 min Scan# 2846
Delta R.T. 0.002 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:244 Resp: 16987

Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.9	10.3
122	12.5	5.0	7.6#



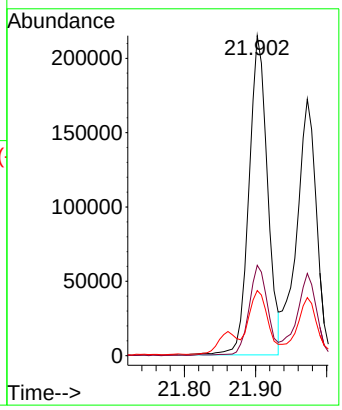
Instrument :
BNA_G
ClientSampleId :
OK-01-100621DL

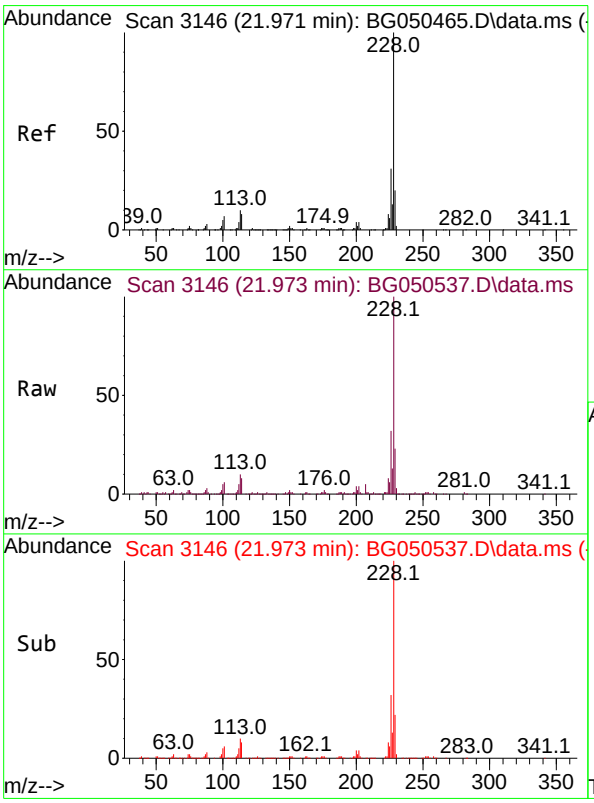


#81
Benzo(a)anthracene
Concen: 19.617 ng
RT: 21.902 min Scan# 3134
Delta R.T. 0.002 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:228 Resp: 387930

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.7	34.1
229	20.3	16.0	24.0

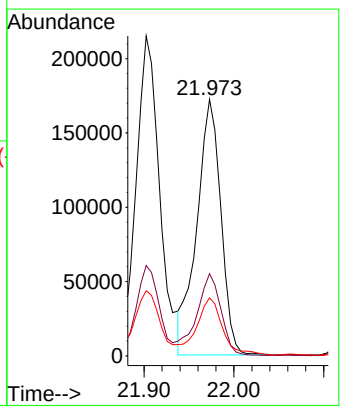


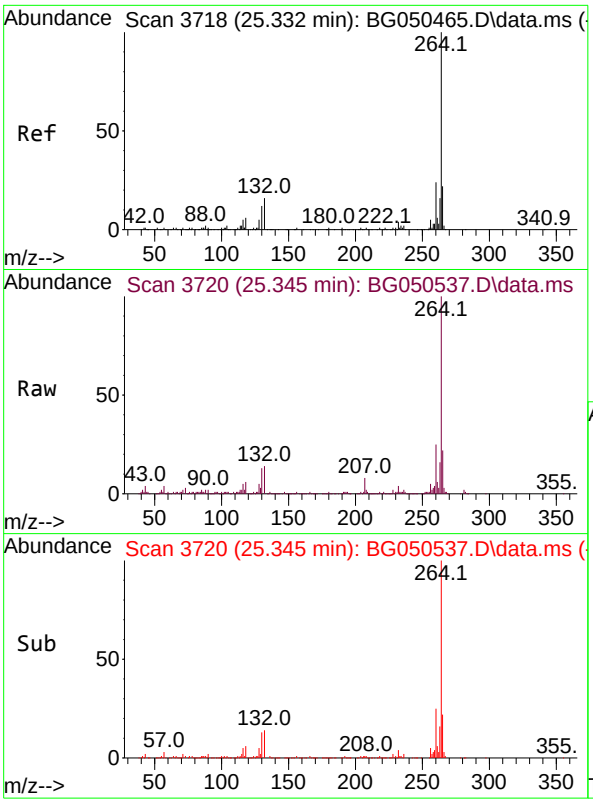


#83
Chrysene
Concen: 17.270 ng
RT: 21.973 min Scan# 3146
Delta R.T. 0.002 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:228 Resp: 321250

Ion	Ratio	Lower	Upper
228	100		
226	32.0	23.1	34.7
229	22.6	15.3	22.9

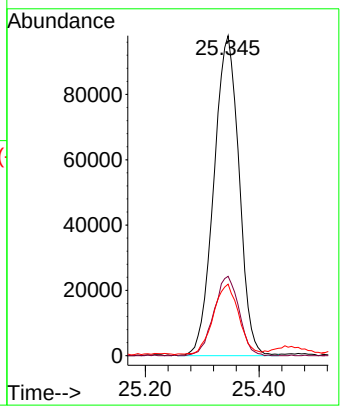




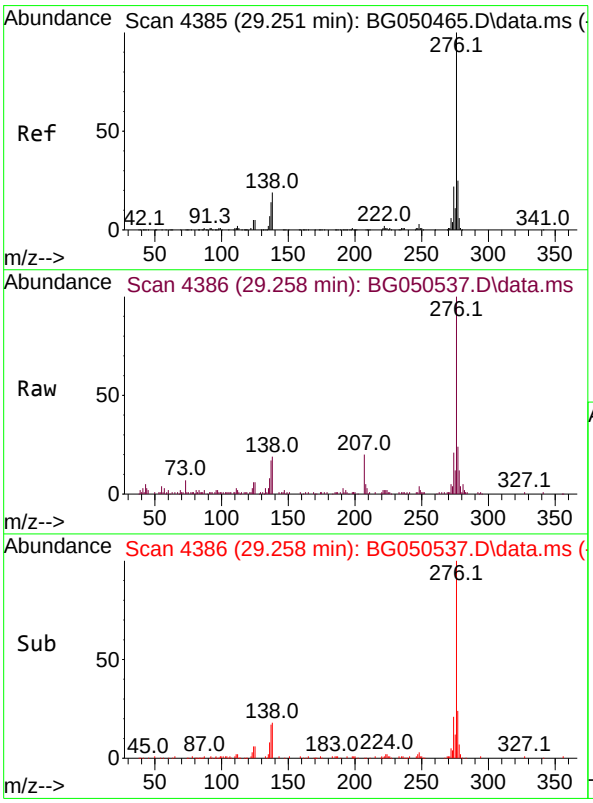
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.345 min Scan# 3720
Delta R.T. 0.014 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:264 Resp: 301183

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.4	29.2
265	22.4	16.9	25.3



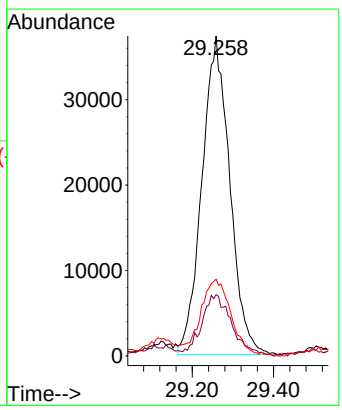
Instrument :
BNA_G
ClientSampleId :
OK-01-100621DL



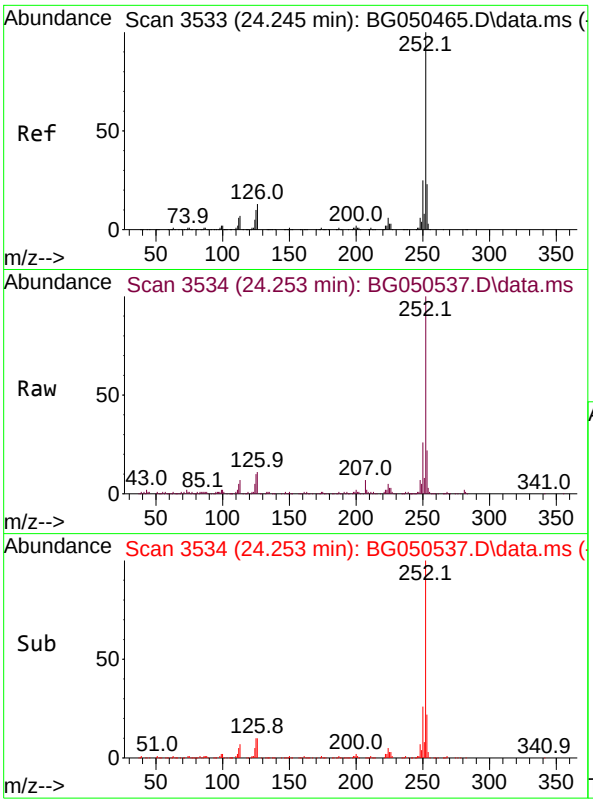
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.452 ng
RT: 29.258 min Scan# 4386
Delta R.T. 0.008 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:276 Resp: 177307

Ion	Ratio	Lower	Upper
276	100		
138	20.9	5.1	7.7#
277	24.9	19.8	29.6



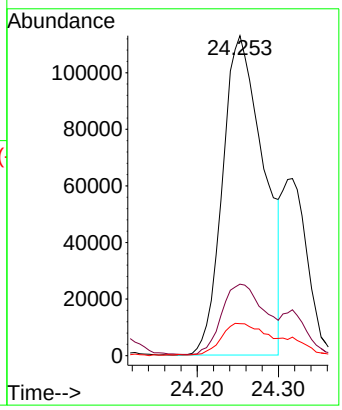
Instrument :
BNA_G
ClientSampleId :
OK-01-100621DL

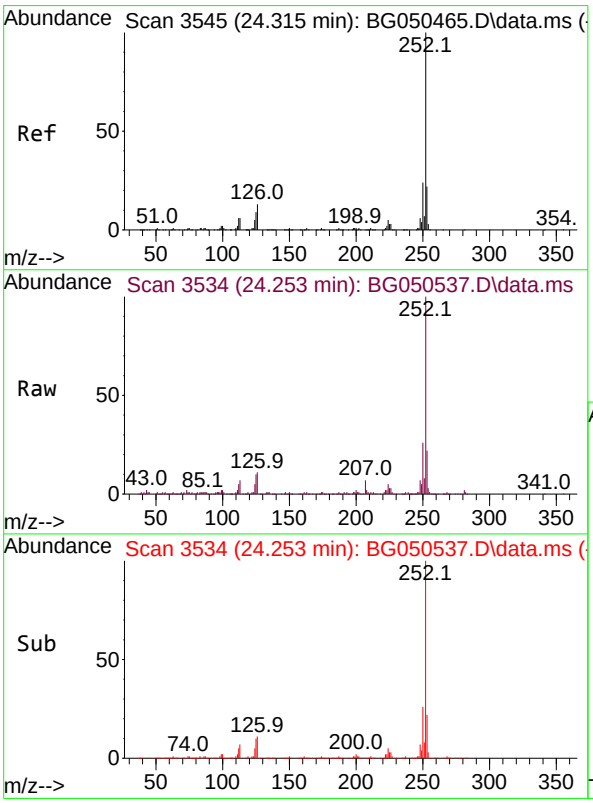


#88
Benzo(b)fluoranthene
Concen: 21.597 ng
RT: 24.253 min Scan# 3534
Delta R.T. 0.008 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:252 Resp: 398364

Ion	Ratio	Lower	Upper
252	100		
253	22.4	16.2	24.4
125	10.0	3.0	4.4#

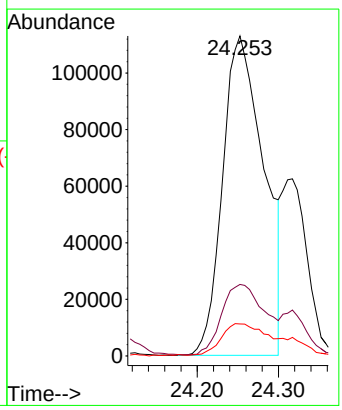




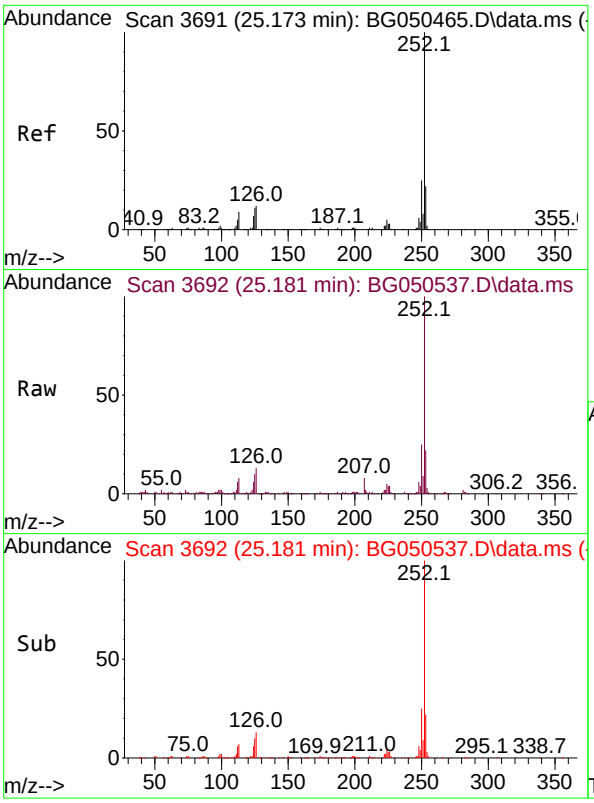
#89
Benzo(k)fluoranthene
Concen: 21.953 ng
RT: 24.253 min Scan# 3534
Delta R.T. -0.063 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:252 Resp: 398364

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	10.0	3.1	4.7#



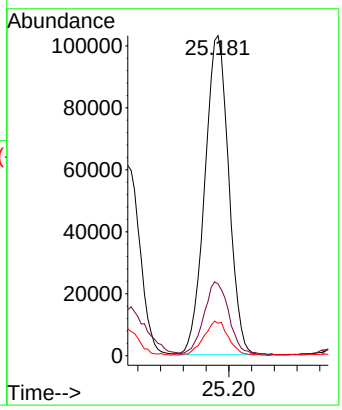
Instrument :
BNA_G
ClientSampleId :
OK-01-100621DL

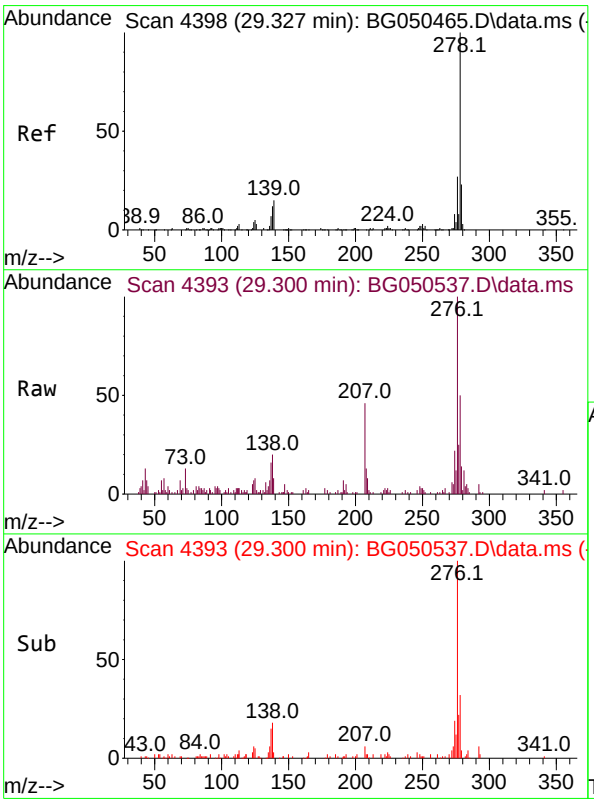


#90
Benzo(a)pyrene
Concen: 19.174 ng
RT: 25.181 min Scan# 3692
Delta R.T. 0.008 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:252 Resp: 300710

Ion	Ratio	Lower	Upper
252	100		
253	22.4	16.6	25.0
125	10.2	3.5	5.3#

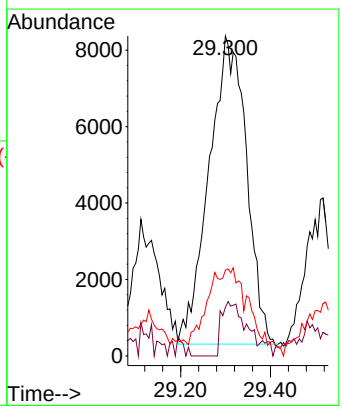


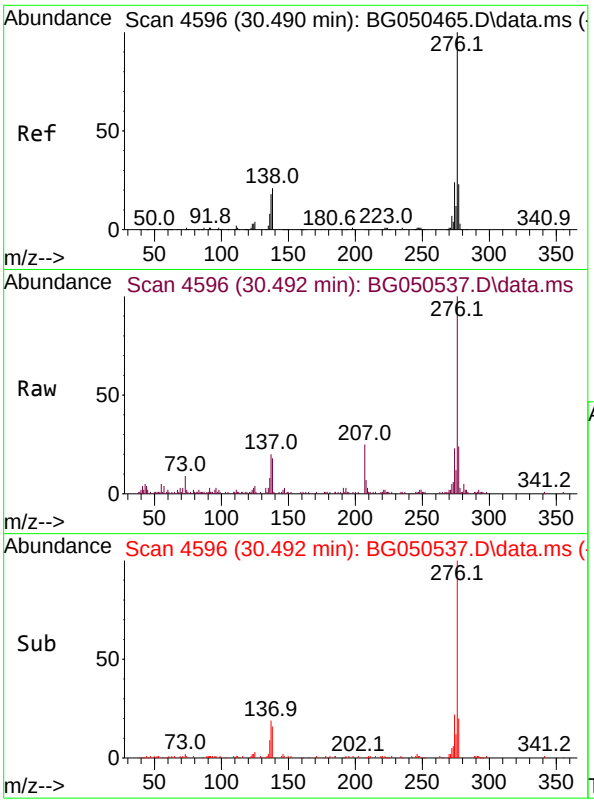


#91
Dibenzo(a,h)anthracene
Concen: 2.688 ng
RT: 29.300 min Scan# 4393
Delta R.T. -0.027 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:278 Resp: 46635

Ion	Ratio	Lower	Upper
278	100		
139	15.2	4.6	6.8#
279	26.8	17.9	26.9

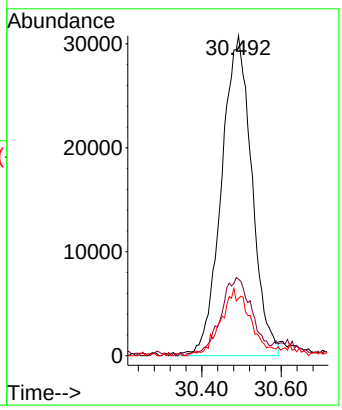




#92
Benzo(g,h,i)perylene
Concen: 9.626 ng
RT: 30.492 min Scan# 4596
Delta R.T. 0.002 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:276 Resp: 163582

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.4	27.6
138	17.9	7.0	10.6#



Instrument :
BNA_G
ClientSampleId :
OK-01-100621DL