Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041521\
Data File : BG048709.D
Acq On : 15 Apr 2021 15:01
Operator : CG/JU
Sample : M2008-02DL 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : NANUET-ST-041221DL

Quant Time: Apr 15 15:59:22 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	8.086	152	34680	20.00	ng		0.00
21) Naphthalene-d8	10.912	136	142120	20.00	ng	#	0.00
39) Acenaphthene-d10	14.737	164	86902	20.00	ng		0.00
64) Phenanthrene-d10	17.499	188	180558	20.00	ng	#	0.00
76) Chrysene-d12	21.800	240	158533	20.00	ng	#	0.00
86) Perylene-d12	25.149	264	166288	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.636	112	82987	40.02	ng		0.00
7) Phenol-d6	7.240	99	112196	38.25	ng		0.00
23) Nitrobenzene-d5	9.255	82	88290	27.81	ng		0.00
42) 2,4,6-Tribromophenol	16.236	330	47999	41.19	ng		0.00
45) 2-Fluorobiphenyl	13.357	172	165997	27.59	ng		0.00
79) Terphenyl-d14	20.107	244	174894	18.99	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propyla...	9.250	70	13791	6.97	ng	#	81
41) Hexachlorocyclopentadiene	12.693	237	80	5.91	ng	#	31
49) Acenaphthylene	14.467	152	19502	2.55	ng	#	92
51) 2,6-Dinitrotoluene	14.737	165	12703	8.45	ng	#	12
57) 2,4-Dinitrotoluene	14.737	165	12703	5.82	ng	#	17
71) Phenanthrene	17.540	178	199913	21.33	ng		97
72) Anthracene	17.628	178	21250	2.29	ng		98
75) Fluoranthene	19.555	202	343549	28.99	ng		98
78) Pyrene	19.914	202	353673	32.25	ng		99
81) Benzo(a)anthracene	21.782	228	151138	13.95	ng		97
83) Chrysene	21.847	228	168851	16.36	ng		94
87) Indeno(1,2,3-cd)pyrene	28.974	276	94083	7.70	ng	#	97
88) Benzo(b)fluoranthene	24.079	252	191568	16.98	ng		99
89) Benzo(k)fluoranthene	24.079	252	191568	18.06	ng		95
90) Benzo(a)pyrene	24.984	252	149201	14.36	ng	#	90
92) Benzo(g,h,i)perylene	30.172	276	48291	4.67	ng	#	92

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

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Instrument :
BNA_G
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 15 10:59:37 2021
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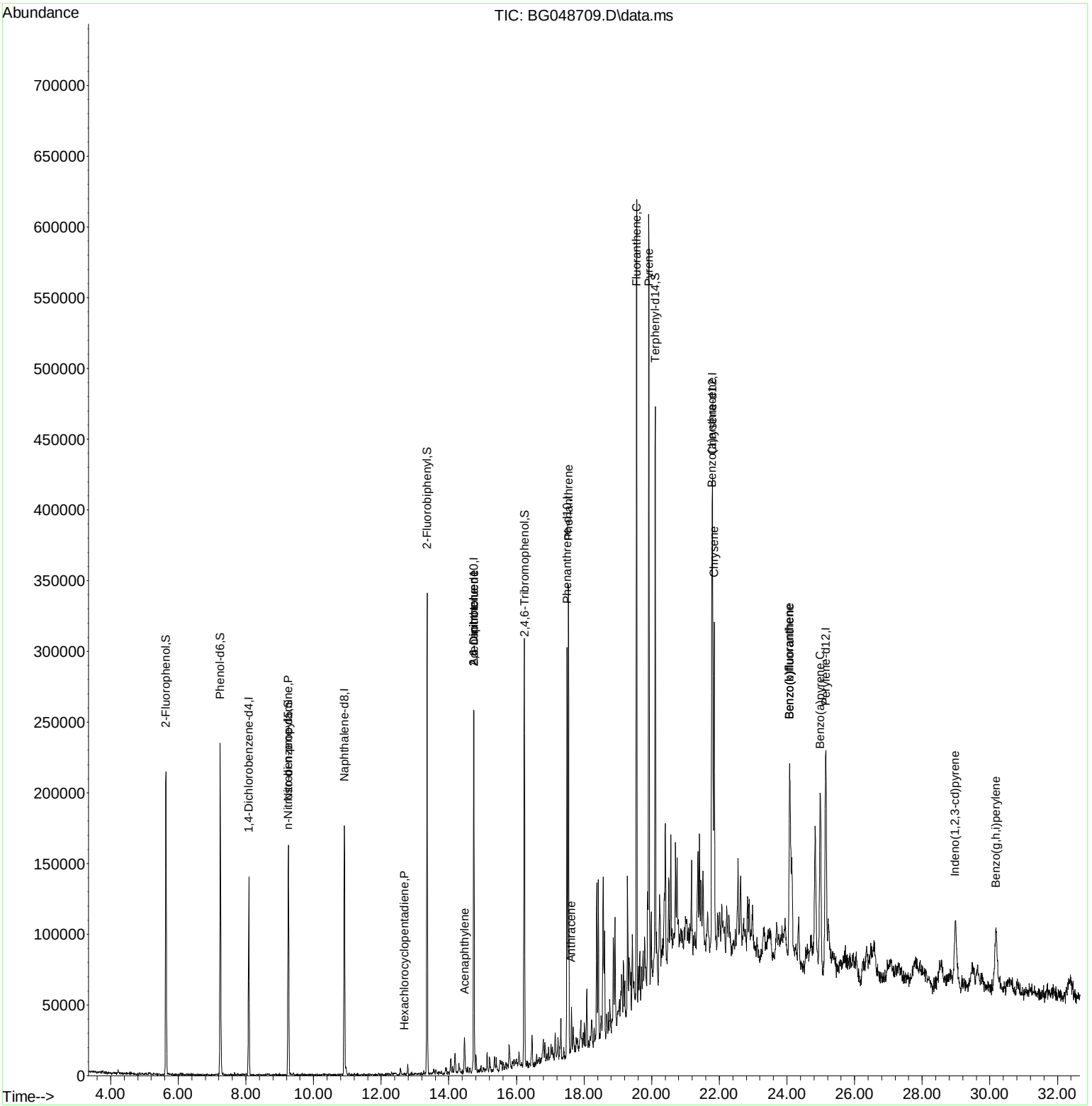
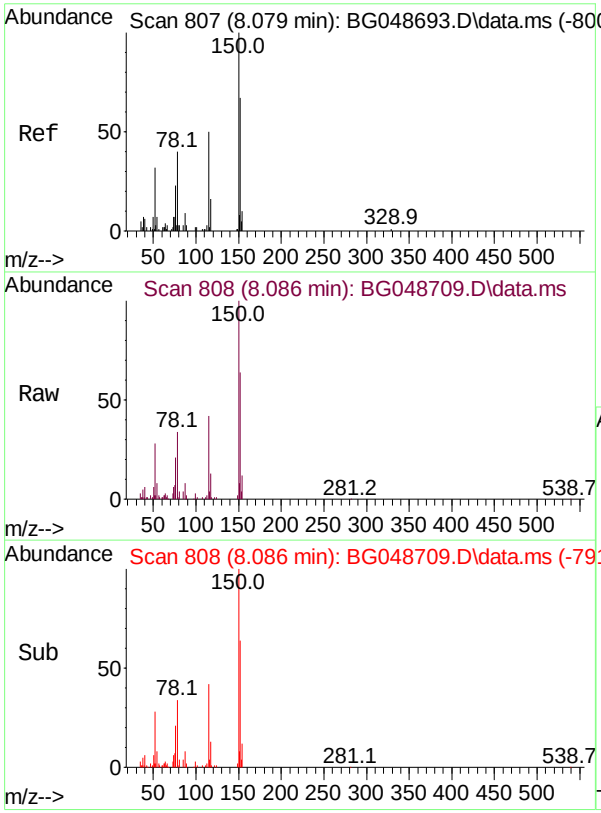


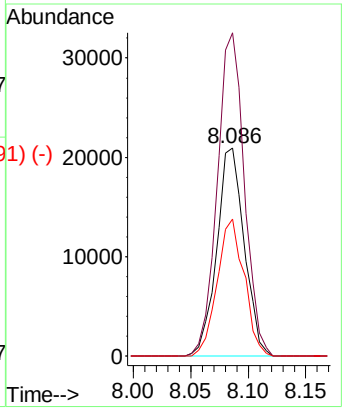
Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221DL

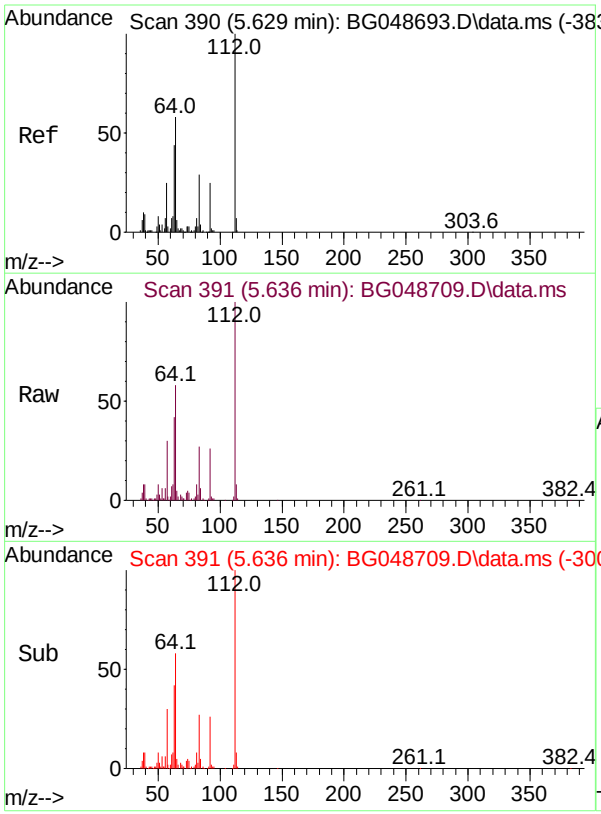


#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.086 min Scan# 808
Delta R.T. -0.001 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Tgt Ion:152 Resp: 34680

Ion	Ratio	Lower	Upper
152	100		
150	155.4	119.4	179.0
115	65.9	60.2	90.4

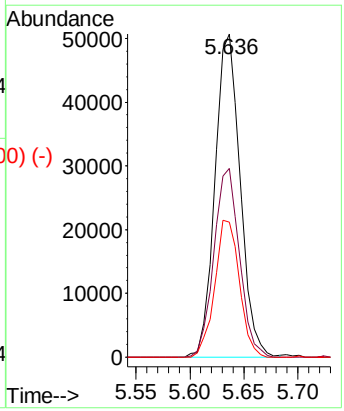




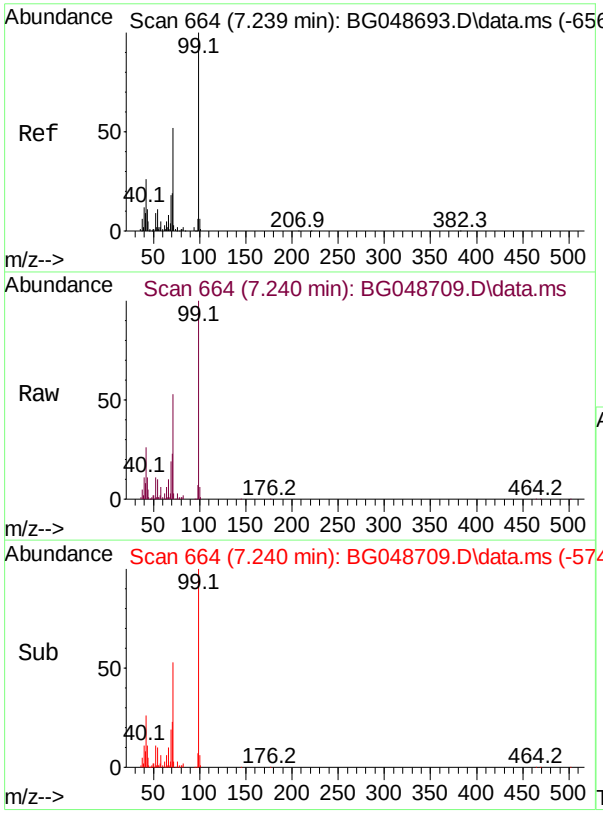
#5
2-Fluorophenol
Concen: 40.02 ng
RT: 5.636 min Scan# 391
Delta R.T. 0.005 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Tgt Ion:112 Resp: 82987

Ion	Ratio	Lower	Upper
112	100		
64	58.5	46.7	70.1
63	41.7	35.3	52.9



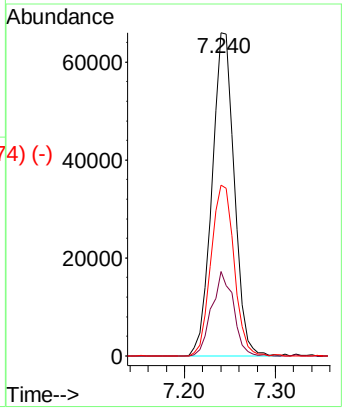
Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221DL

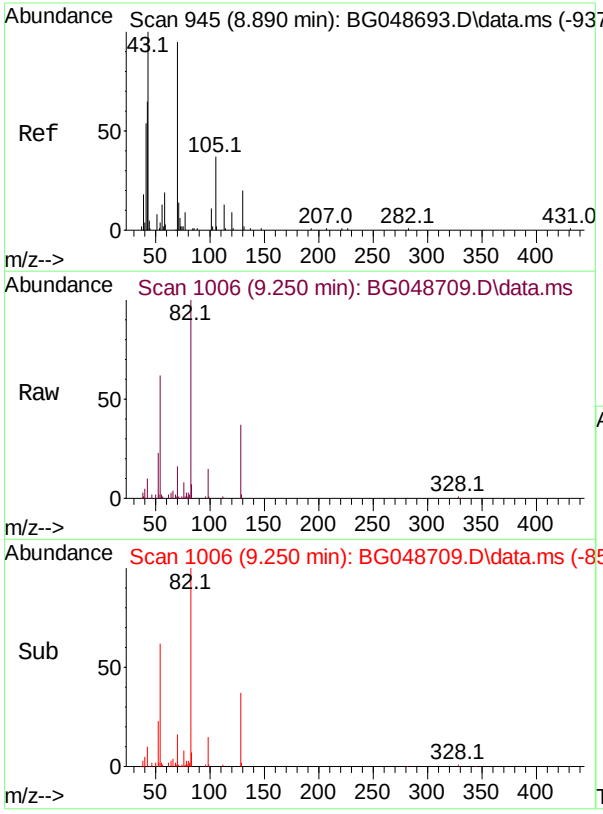


#7
Phenol-d6
Concen: 38.25 ng
RT: 7.240 min Scan# 664
Delta R.T. -0.001 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Tgt Ion: 99 Resp: 112196

Ion	Ratio	Lower	Upper
99	100		
42	26.0	20.5	30.7
71	52.9	41.5	62.3

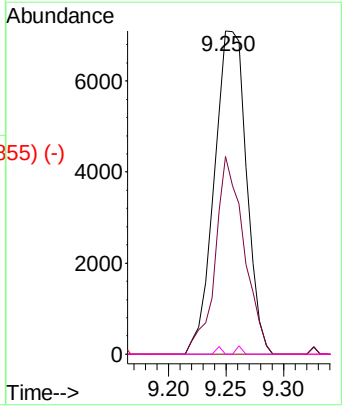




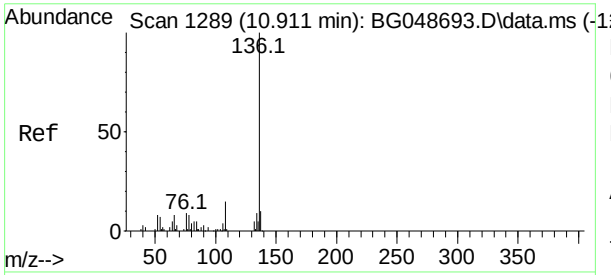
#19
n-Nitroso-di-n-propylamine
Concen: 6.97 ng
RT: 9.250 min Scan# 1006
Delta R.T. 0.357 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Tgt Ion: 70 Resp: 13791

Ion	Ratio	Lower	Upper
70	100		
42	61.2	54.5	81.7
101	0.0	9.0	13.6#
130	0.0	17.0	25.6#



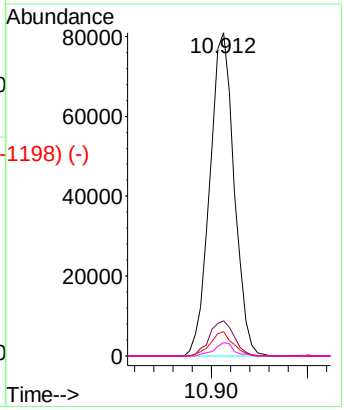
Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221DL

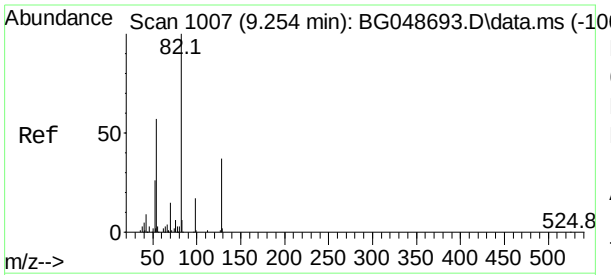


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.912 min Scan# 1289
Delta R.T. 0.005 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Tgt Ion:136 Resp: 142120

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.2	12.2
54	7.5	5.5	8.3
68	4.4	2.3	3.5#

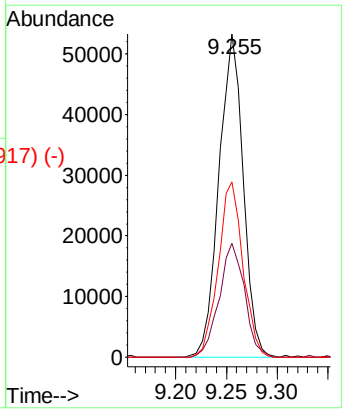




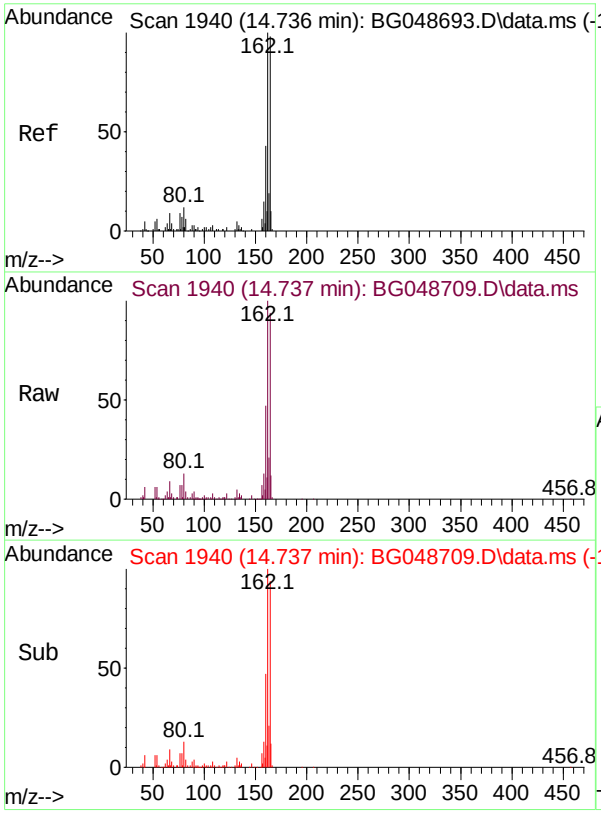
#23
Nitrobenzene-d5
Concen: 27.81 ng
RT: 9.255 min Scan# 1007
Delta R.T. -0.001 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Tgt Ion: 82 Resp: 88290

Ion	Ratio	Lower	Upper
82	100		
128	35.2	29.8	44.6
54	54.3	45.8	68.8



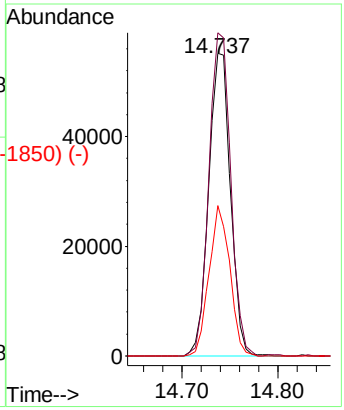
Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221DL

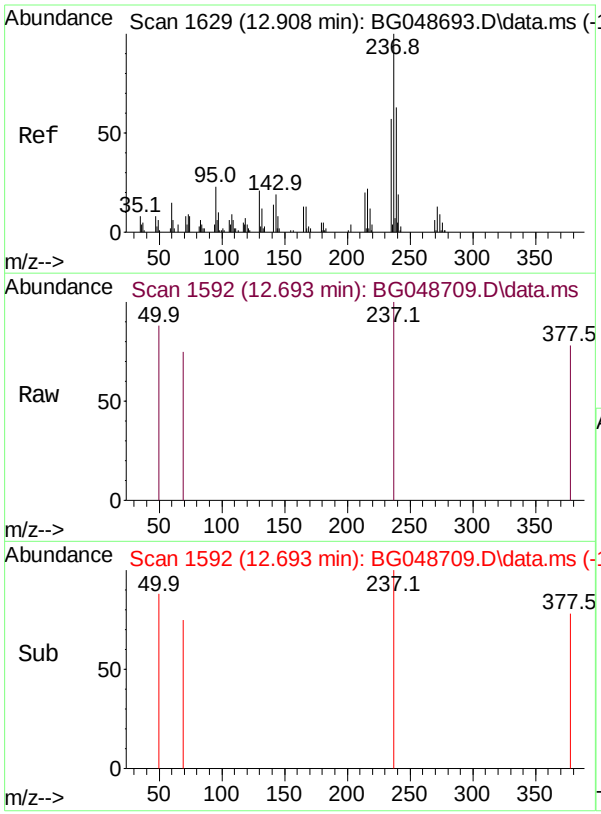


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.737 min Scan# 1940
Delta R.T. -0.001 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Tgt Ion:164 Resp: 86902

Ion	Ratio	Lower	Upper
164	100		
162	106.7	81.4	122.0
160	49.7	34.9	52.3

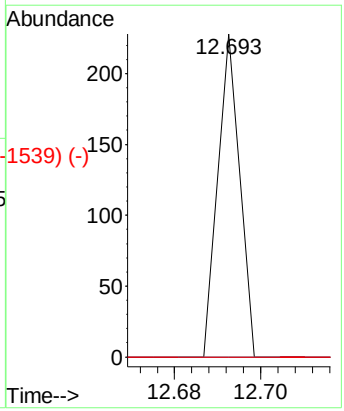




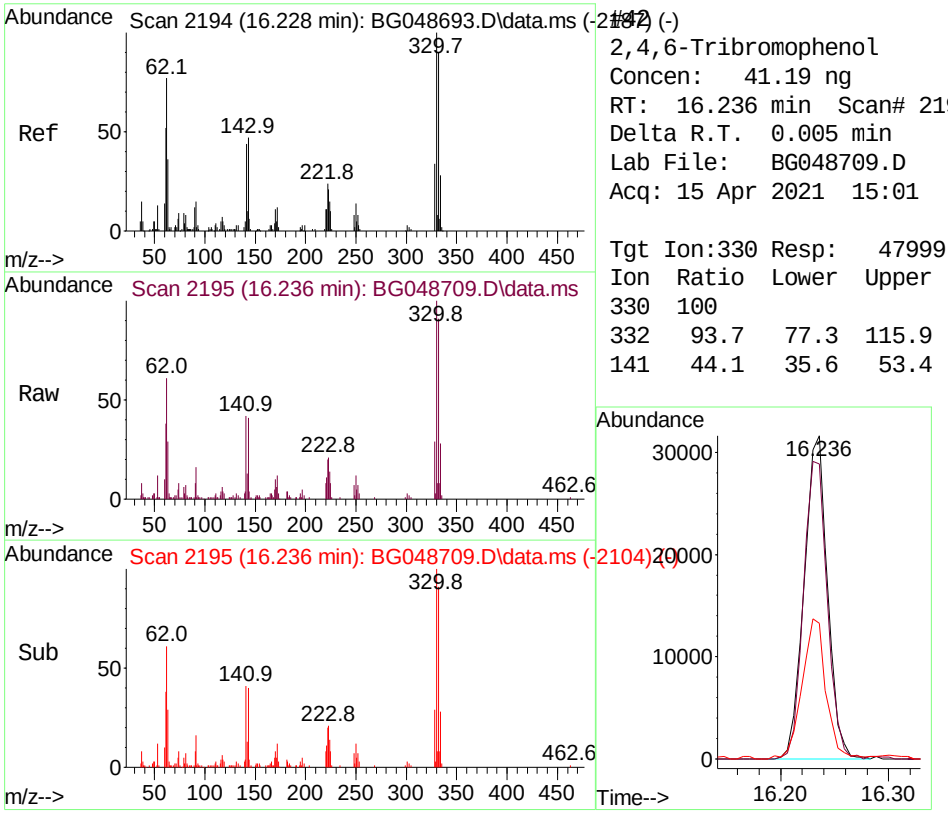
#41
Hexachlorocyclopentadiene
Concen: 5.91 ng
RT: 12.693 min Scan# 1592
Delta R.T. -0.219 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Tgt Ion:237 Resp: 80

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



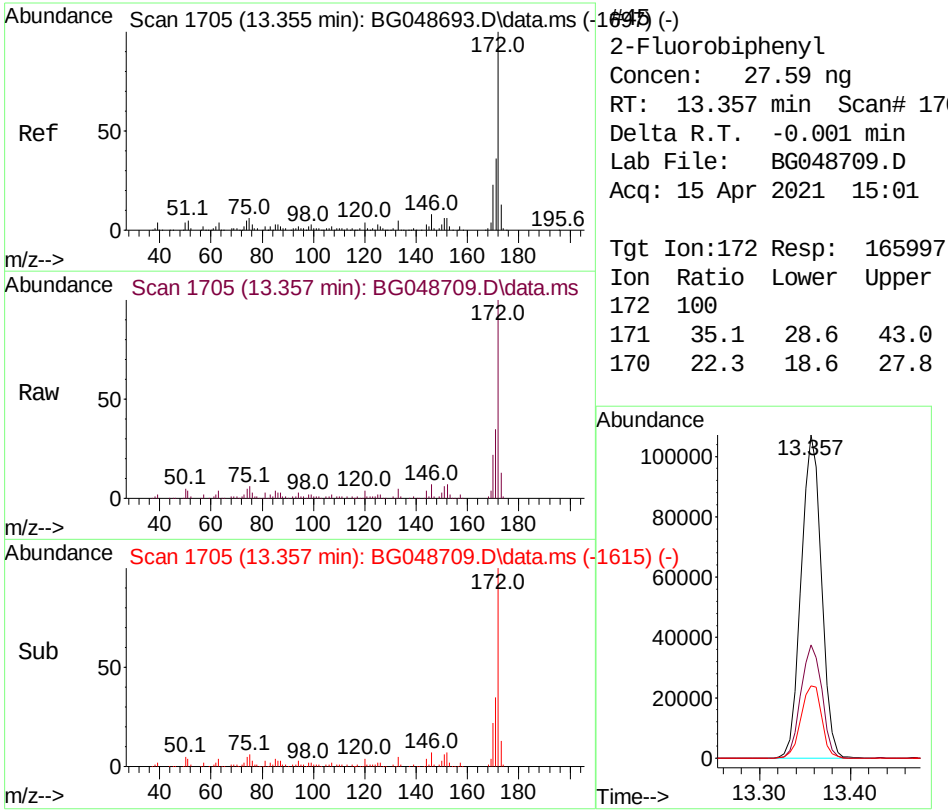
Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221DL



#42
2,4,6-Tribromophenol
Concen: 41.19 ng
RT: 16.236 min Scan# 2195
Delta R.T. 0.005 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Tgt Ion:330 Resp: 47999

Ion	Ratio	Lower	Upper
330	100		
332	93.7	77.3	115.9
141	44.1	35.6	53.4

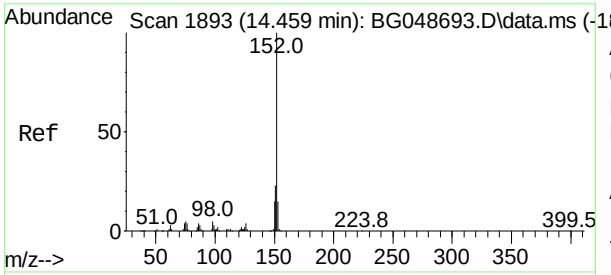


#45
2-Fluorobiphenyl
Concen: 27.59 ng
RT: 13.357 min Scan# 1705
Delta R.T. -0.001 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Tgt Ion:172 Resp: 165997

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	43.0
170	22.3	18.6	27.8

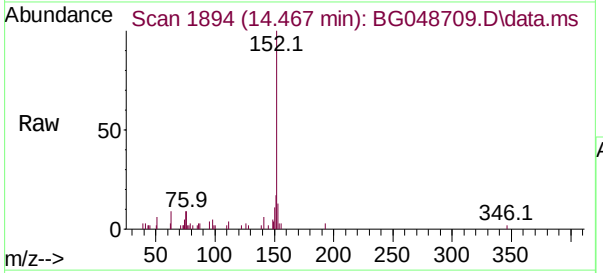
Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221DL

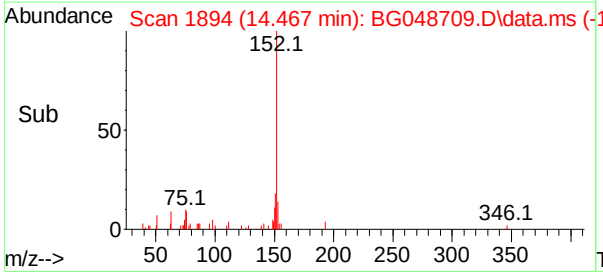


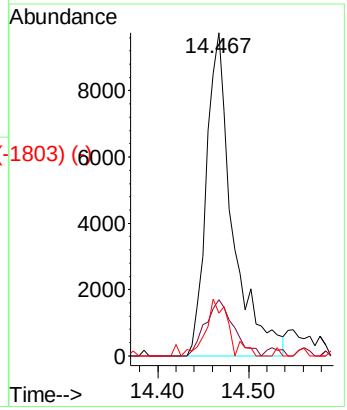
#49
Acenaphthylene
Concen: 2.55 ng
RT: 14.467 min Scan# 1894
Delta R.T. 0.005 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

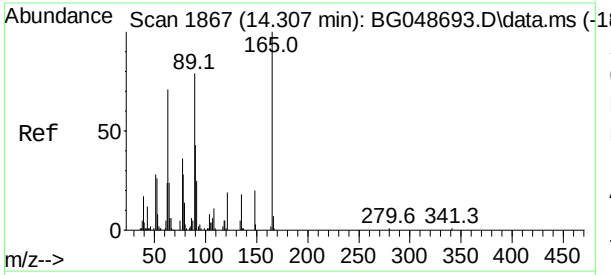
Tgt Ion:152 Resp: 19502

Ion	Ratio	Lower	Upper
152	100		
151	17.4	18.2	27.4#
153	13.2	11.7	17.5





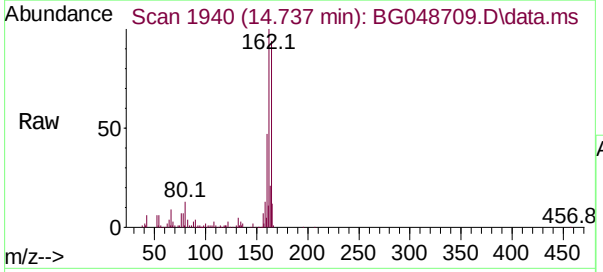


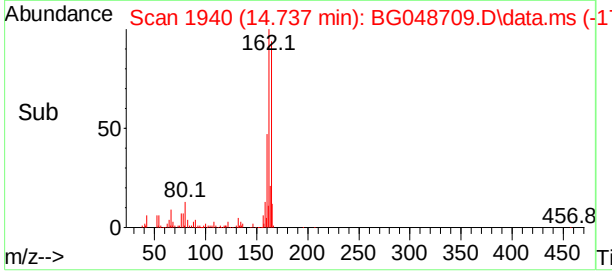


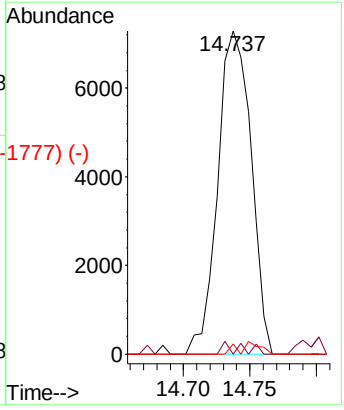
#51
2,6-Dinitrotoluene
Concen: 8.45 ng
RT: 14.737 min Scan# 1940
Delta R.T. 0.428 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

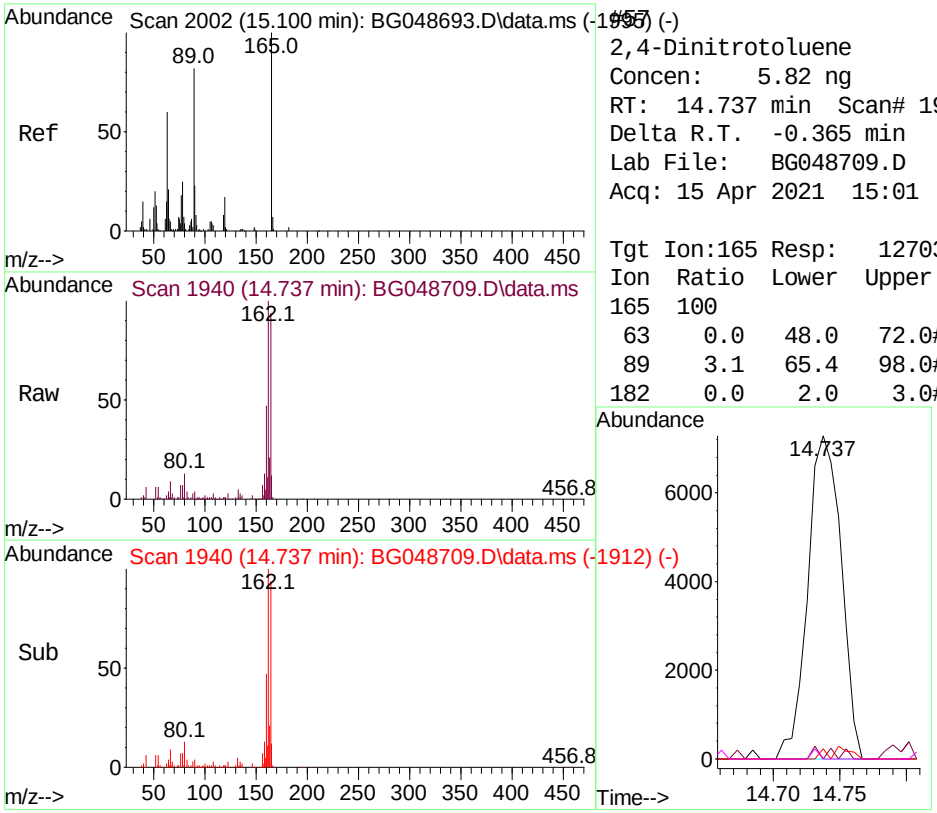
Tgt Ion:165 Resp: 12703

Ion	Ratio	Lower	Upper
165	100		
63	0.0	63.3	94.9#
89	3.1	63.4	95.0#







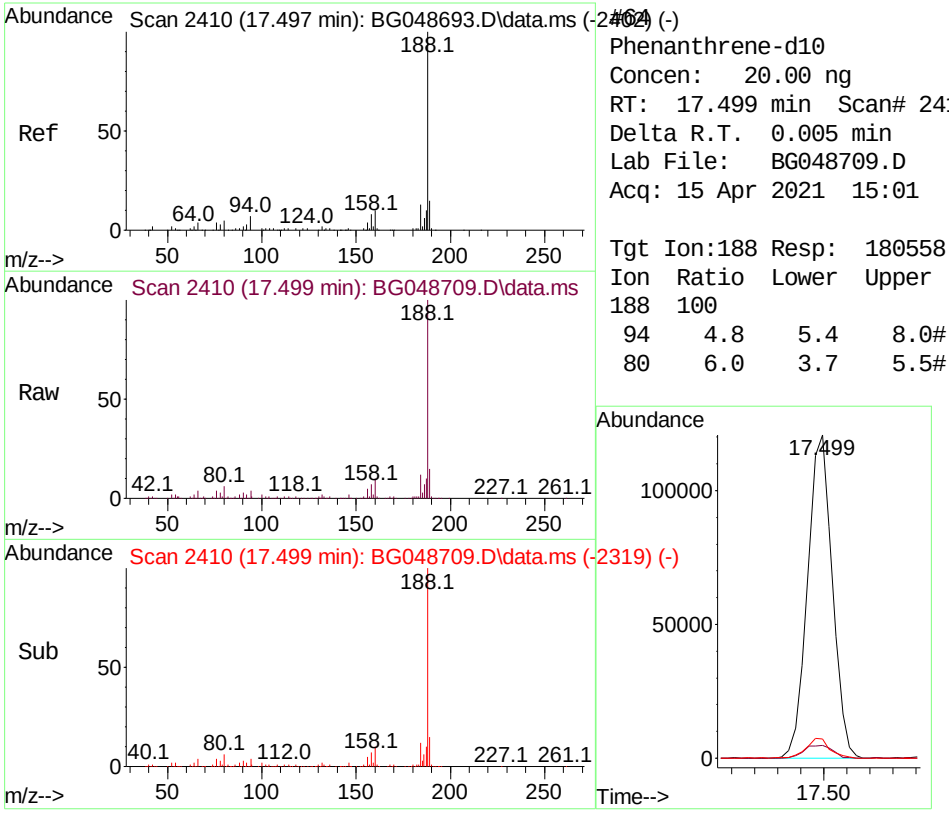


#57
2,4-Dinitrotoluene
Concen: 5.82 ng
RT: 14.737 min Scan# 1940
Delta R.T. -0.365 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221DL

Tgt Ion:165 Resp: 12703

Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.0	72.0#
89	3.1	65.4	98.0#
182	0.0	2.0	3.0#

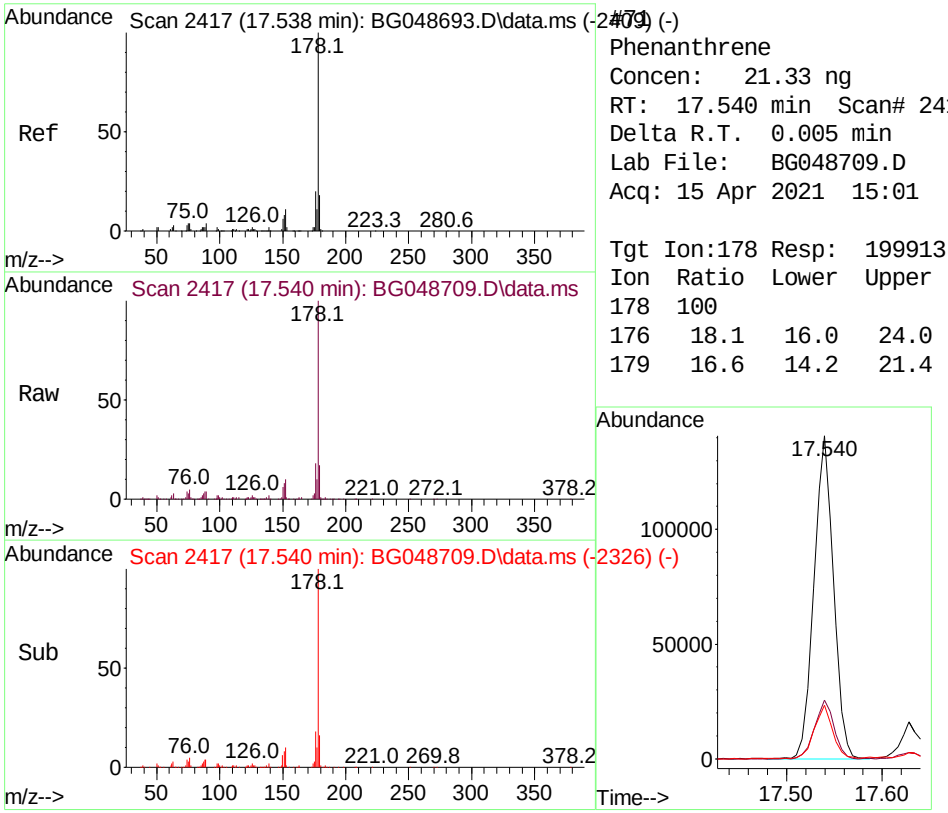


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.499 min Scan# 2410
Delta R.T. 0.005 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Tgt Ion:188 Resp: 180558

Ion	Ratio	Lower	Upper
188	100		
94	4.8	5.4	8.0#
80	6.0	3.7	5.5#

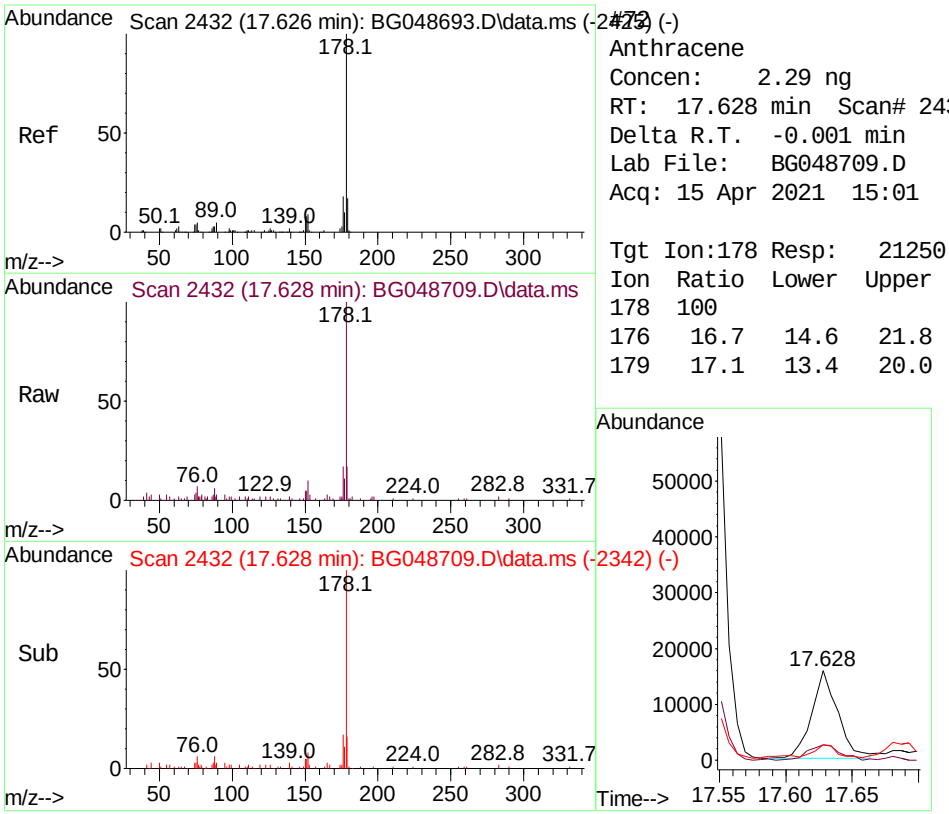
Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221DL



#71
Phenanthrene
Concen: 21.33 ng
RT: 17.540 min Scan# 2417
Delta R.T. 0.005 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Tgt Ion:178 Resp: 199913

Ion	Ratio	Lower	Upper
178	100		
176	18.1	16.0	24.0
179	16.6	14.2	21.4

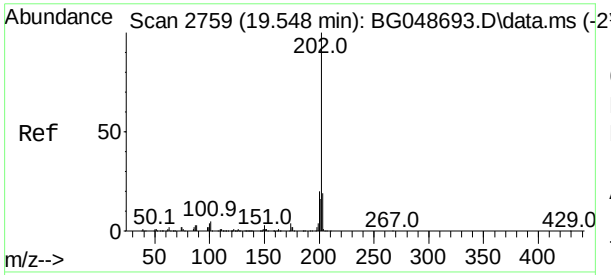


#72
Anthracene
Concen: 2.29 ng
RT: 17.628 min Scan# 2432
Delta R.T. -0.001 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Tgt Ion:178 Resp: 21250

Ion	Ratio	Lower	Upper
178	100		
176	16.7	14.6	21.8
179	17.1	13.4	20.0

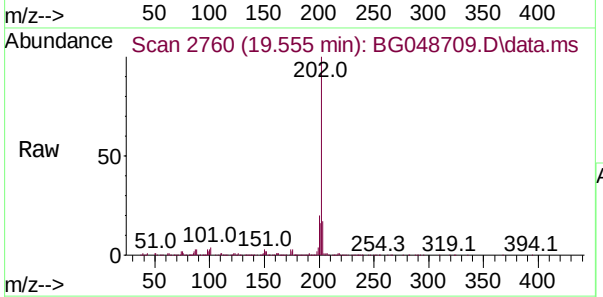
Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221DL

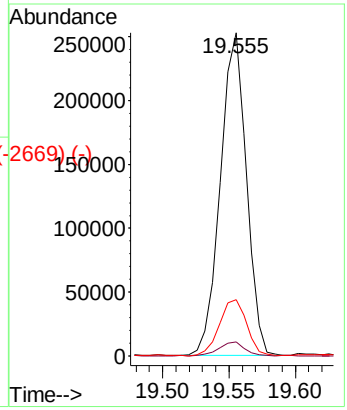


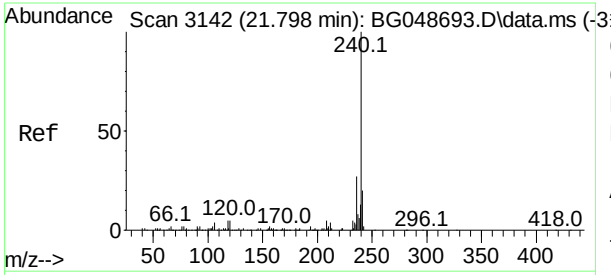
#75
Fluoranthene
Concen: 28.99 ng
RT: 19.555 min Scan# 2760
Delta R.T. 0.005 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Tgt Ion:202 Resp: 343549

Ion	Ratio	Lower	Upper
202	100		
101	4.3	0.0	24.7
203	17.5	0.0	38.5



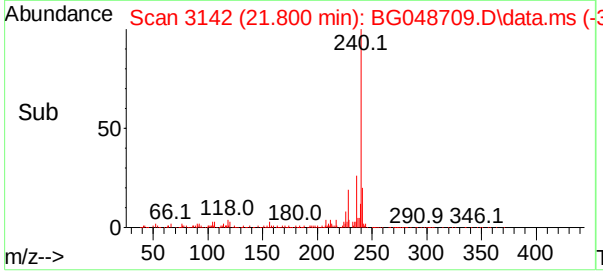


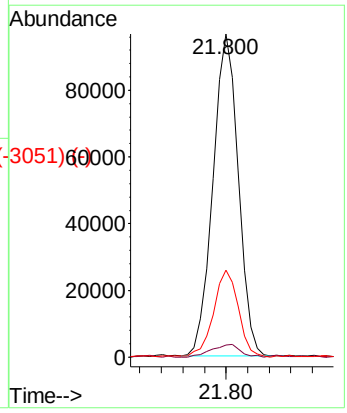


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.800 min Scan# 3142
Delta R.T. 0.005 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

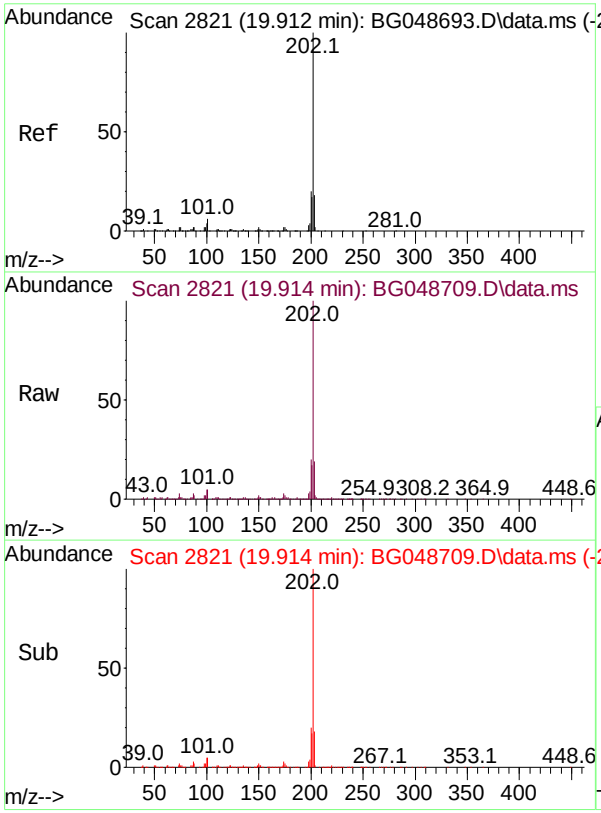
Tgt Ion:240 Resp: 158533

Ion	Ratio	Lower	Upper
240	100		
120	3.7	4.2	6.2#
236	27.0	21.8	32.6





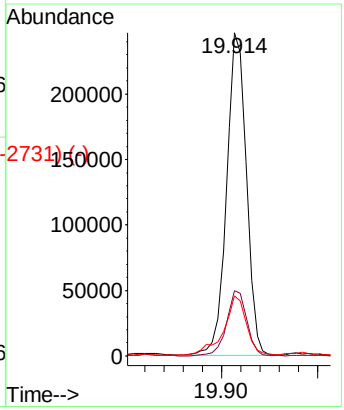
Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221DL

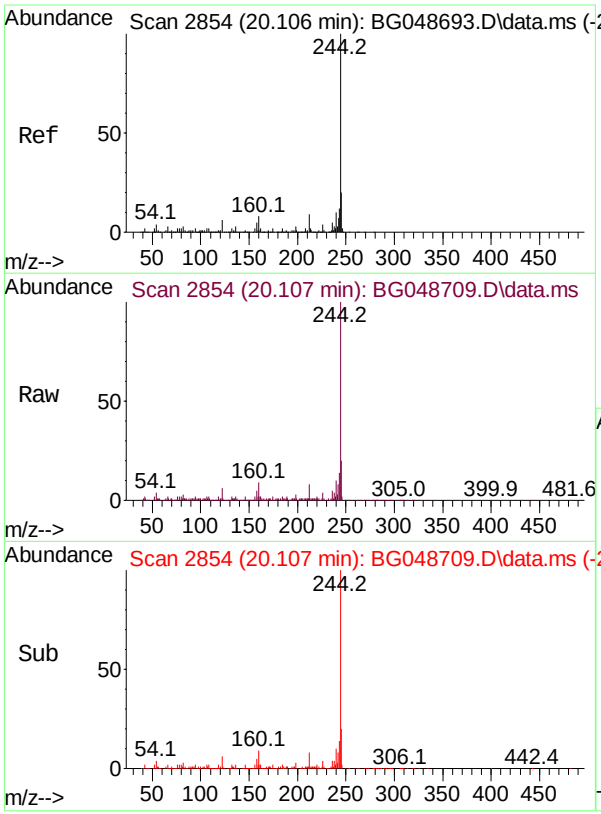


#72
Pyrene
Concen: 32.25 ng
RT: 19.914 min Scan# 2821
Delta R.T. -0.001 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Tgt Ion:202 Resp: 353673

Ion	Ratio	Lower	Upper
202	100		
200	20.1	15.8	23.8
203	18.6	14.6	21.8

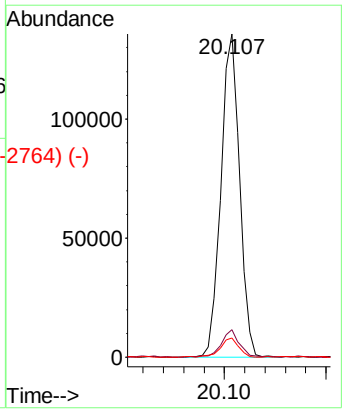


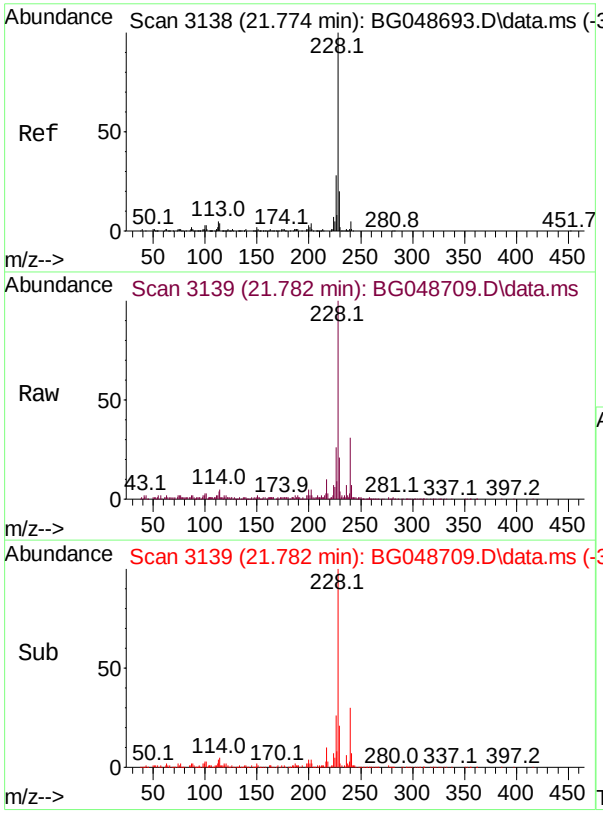


#79
Terphenyl-d14
Concen: 18.99 ng
RT: 20.107 min Scan# 2854
Delta R.T. -0.001 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Tgt Ion:244 Resp: 174894

Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.9	10.3
122	5.9	5.0	7.6

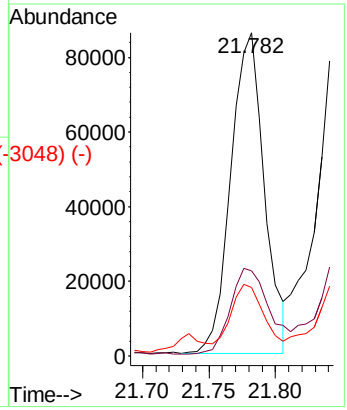




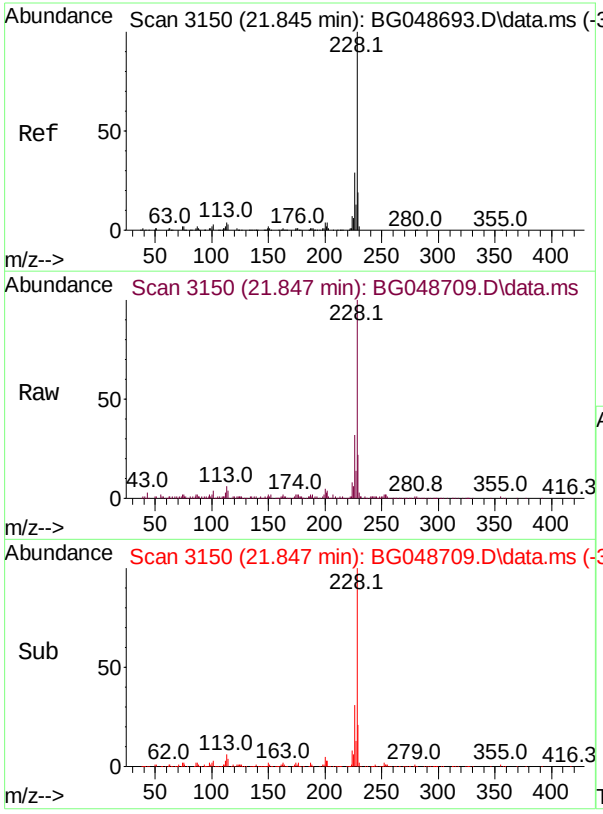
#29
Benzo(a)anthracene
Concen: 13.95 ng
RT: 21.782 min Scan# 3139
Delta R.T. 0.005 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Tgt Ion:228 Resp: 151138

Ion	Ratio	Lower	Upper
228	100		
226	26.3	22.7	34.1
229	21.2	16.0	24.0



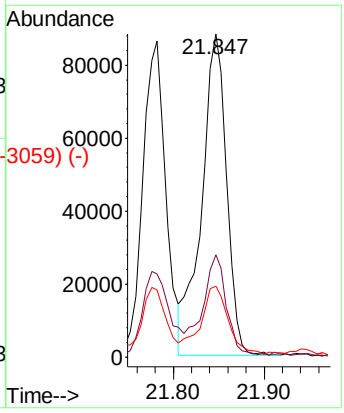
Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221DL



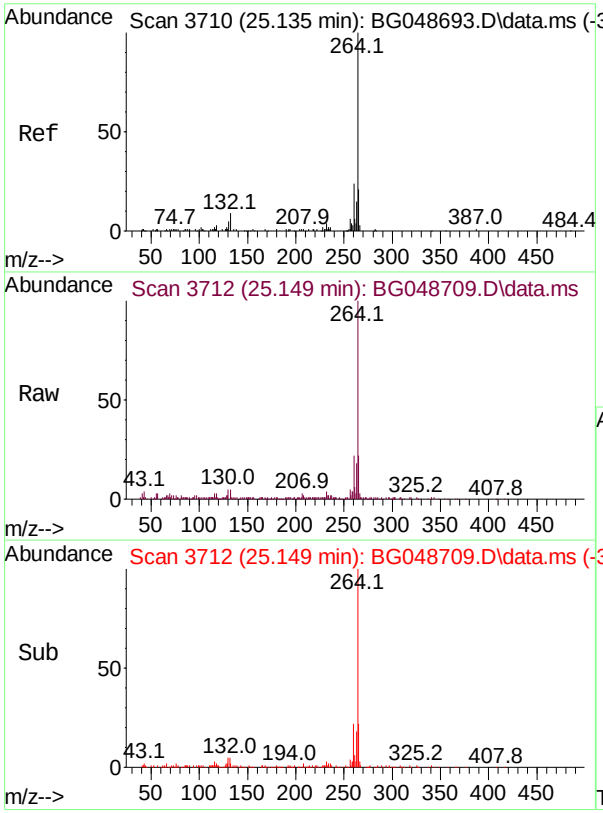
#33
Chrysene
Concen: 16.36 ng
RT: 21.847 min Scan# 3150
Delta R.T. 0.005 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Tgt Ion:228 Resp: 168851

Ion	Ratio	Lower	Upper
228	100		
226	31.7	23.1	34.7
229	21.9	15.3	22.9



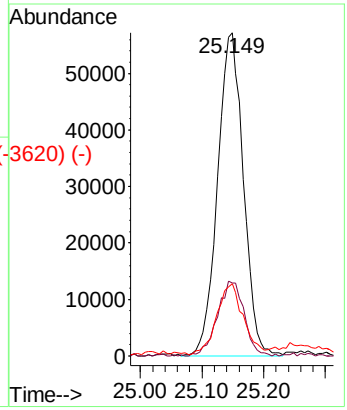
Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221DL

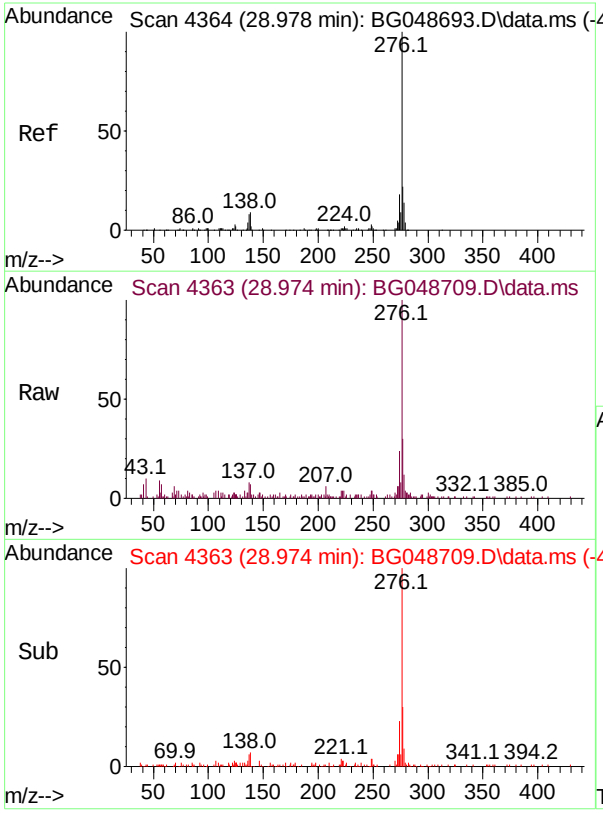


#86
Perylene-d12
Concen: 20.00 ng
RT: 25.149 min Scan# 3712
Delta R.T. 0.011 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Tgt Ion:264 Resp: 166288

Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.4	29.2
265	22.3	16.9	25.3

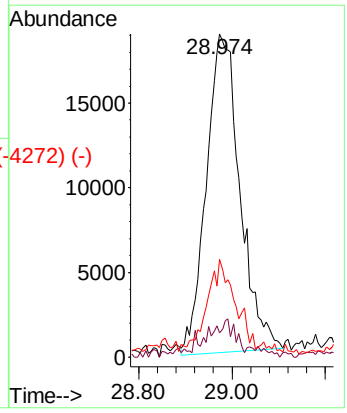




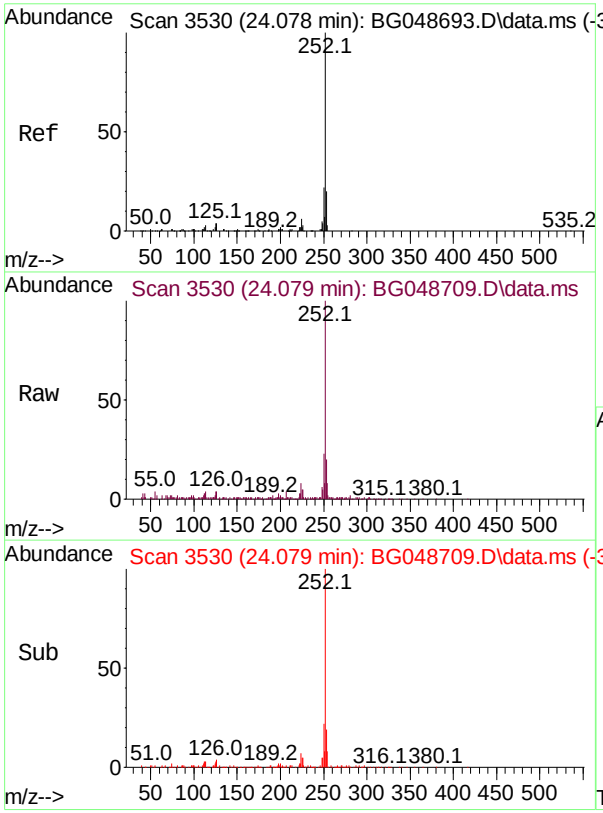
#87
Indeno(1,2,3-cd)pyrene
Concen: 7.70 ng
RT: 28.974 min Scan# 4363
Delta R.T. 0.005 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Tgt Ion:276 Resp: 94083

Ion	Ratio	Lower	Upper
276	100		
138	2.9	5.1	7.7#
277	24.0	19.8	29.6



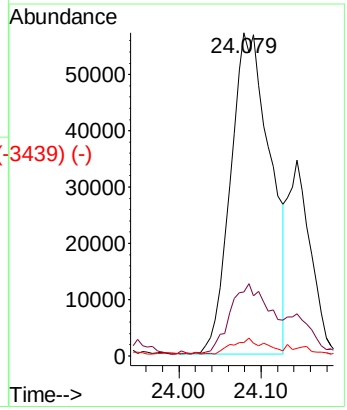
Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221DL

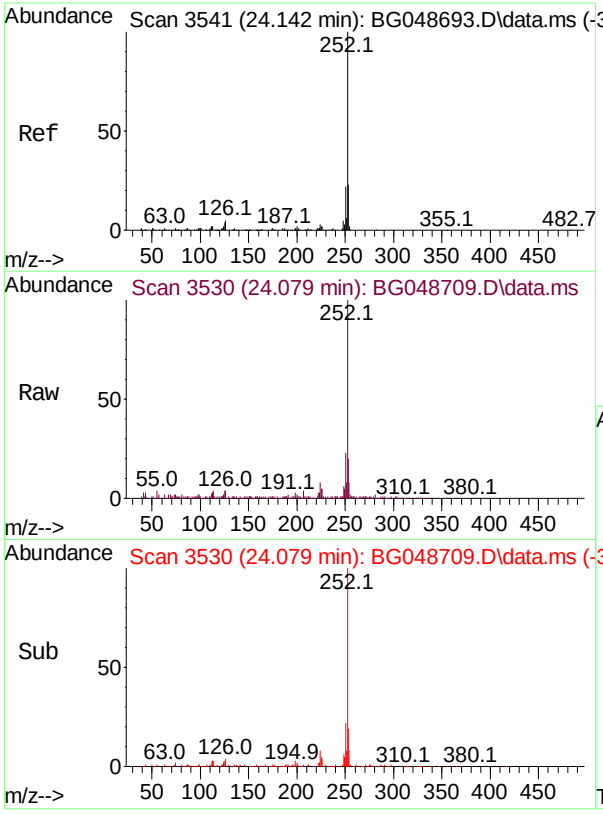


#88
Benzo(b)fluoranthene
Concen: 16.98 ng
RT: 24.079 min Scan# 3530
Delta R.T. 0.005 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Tgt Ion:252 Resp: 191568

Ion	Ratio	Lower	Upper
252	100		
253	19.7	16.2	24.4
125	4.2	3.0	4.4

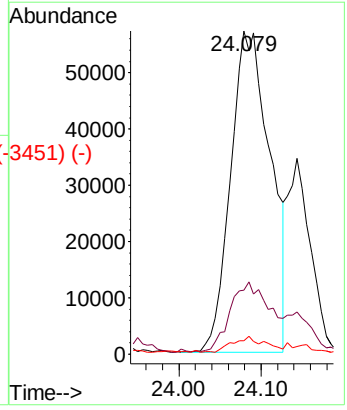




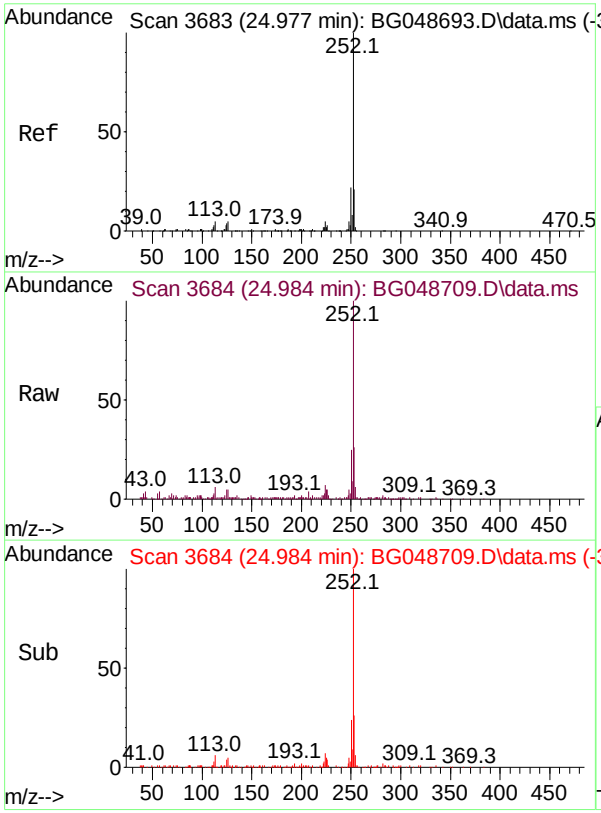
#89
Benzo(k)fluoranthene
Concen: 18.06 ng
RT: 24.079 min Scan# 3530
Delta R.T. -0.066 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Tgt Ion:252 Resp: 191568

Ion	Ratio	Lower	Upper
252	100		
253	19.7	18.0	27.0
125	4.2	3.1	4.7



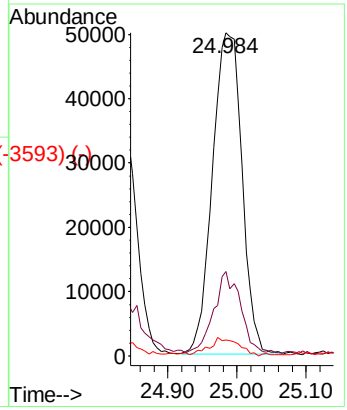
Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221DL

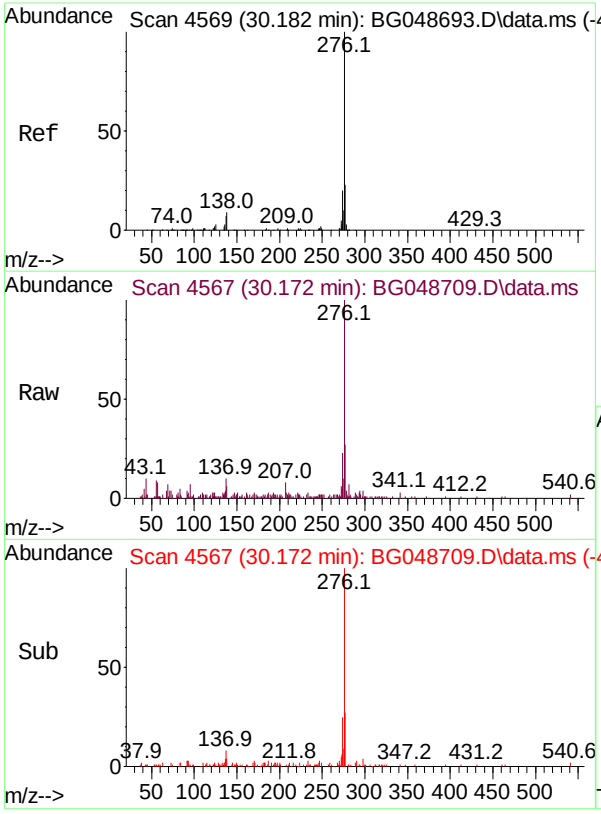


#90
Benzo(a)pyrene
Concen: 14.36 ng
RT: 24.984 min Scan# 3684
Delta R.T. 0.005 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Tgt Ion:252 Resp: 149201

Ion	Ratio	Lower	Upper
252	100		
253	26.2	16.6	25.0#
125	4.9	3.5	5.3





#92
Benzo(g,h,i)perylene
Concen: 4.67 ng
RT: 30.172 min Scan# 4567
Delta R.T. -0.007 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Tgt Ion:276 Resp: 48291

Ion	Ratio	Lower	Upper
276	100		
277	27.3	18.4	27.6
138	6.3	7.0	10.6#