Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081721\
Data File : BG049883.D
Acq On : 17 Aug 2021 18:31
Operator : CG/JU
Sample : M3388-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-215

Quant Time: Aug 18 05:43:19 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 16 18:23:02 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.031	152	35139	20.000	ng	0.00
21) Naphthalene-d8	10.850	136	147680	20.000	ng	# 0.00
39) Acenaphthene-d10	14.681	164	98278	20.000	ng	0.00
64) Phenanthrene-d10	17.436	188	181584	20.000	ng	# 0.00
76) Chrysene-d12	21.724	240	159185	20.000	ng	0.00
86) Perylene-d12	25.008	264	165841	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	79599	40.607	ng	0.00
7) Phenol-d6	7.197	99	118044	39.782	ng	0.00
23) Nitrobenzene-d5	9.200	82	85957	25.756	ng	0.00
42) 2,4,6-Tribromophenol	16.173	330	55524	38.437	ng	0.00
45) 2-Fluorobiphenyl	13.300	172	186296	27.582	ng	0.00
79) Terphenyl-d14	20.044	244	251965	28.748	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.200	70	12574	6.332	ng	# 65
31) Naphthalene	10.897	128	18871	2.440	ng	# 93
32) Benzoic acid	10.345	122	158	5.048	ng	# 1
37) 2-Methylnaphthalene	12.724	142	12046	2.068	ng	93
38) 1-Methylnaphthalene	12.724	142	12046	2.200	ng	# 92
41) Hexachlorocyclopentadiene	13.053	237	56	3.574	ng	# 31
51) 2,6-Dinitrotoluene	14.681	165	14073	8.620	ng	# 12
52) Acenaphthene	14.745	154	51099	9.573	ng	94
55) Dibenzofuran	15.080	168	38193	4.411	ng	90
58) Fluorene	15.726	166	56336	8.004	ng	96
71) Phenanthrene	17.483	178	736008	77.042	ng	97
72) Anthracene	17.571	178	216589	23.085	ng	99
73) Carbazole	17.841	167	42656	4.800	ng	98
75) Fluoranthene	19.498	202	1107153	94.178	ng	98
78) Pyrene	19.856	202	978408	90.156	ng	95
81) Benzo(a)anthracene	21.706	228	548544	52.914	ng	98
83) Chrysene	21.771	228	482470	48.687	ng	96
87) Indeno(1,2,3-cd)pyrene	28.767	276	213948	17.888	ng	# 95
88) Benzo(b)fluoranthene	23.968	252	602685	55.411	ng	# 93
89) Benzo(k)fluoranthene	23.968	252	602685	59.404	ng	# 97
90) Benzo(a)pyrene	24.855	252	452954	46.017	ng	95
91) Dibenzo(a,h)anthracene	28.803	278	60053	5.959	ng	# 86
92) Benzo(g,h,i)perylene	29.942	276	169880	17.205	ng	97

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

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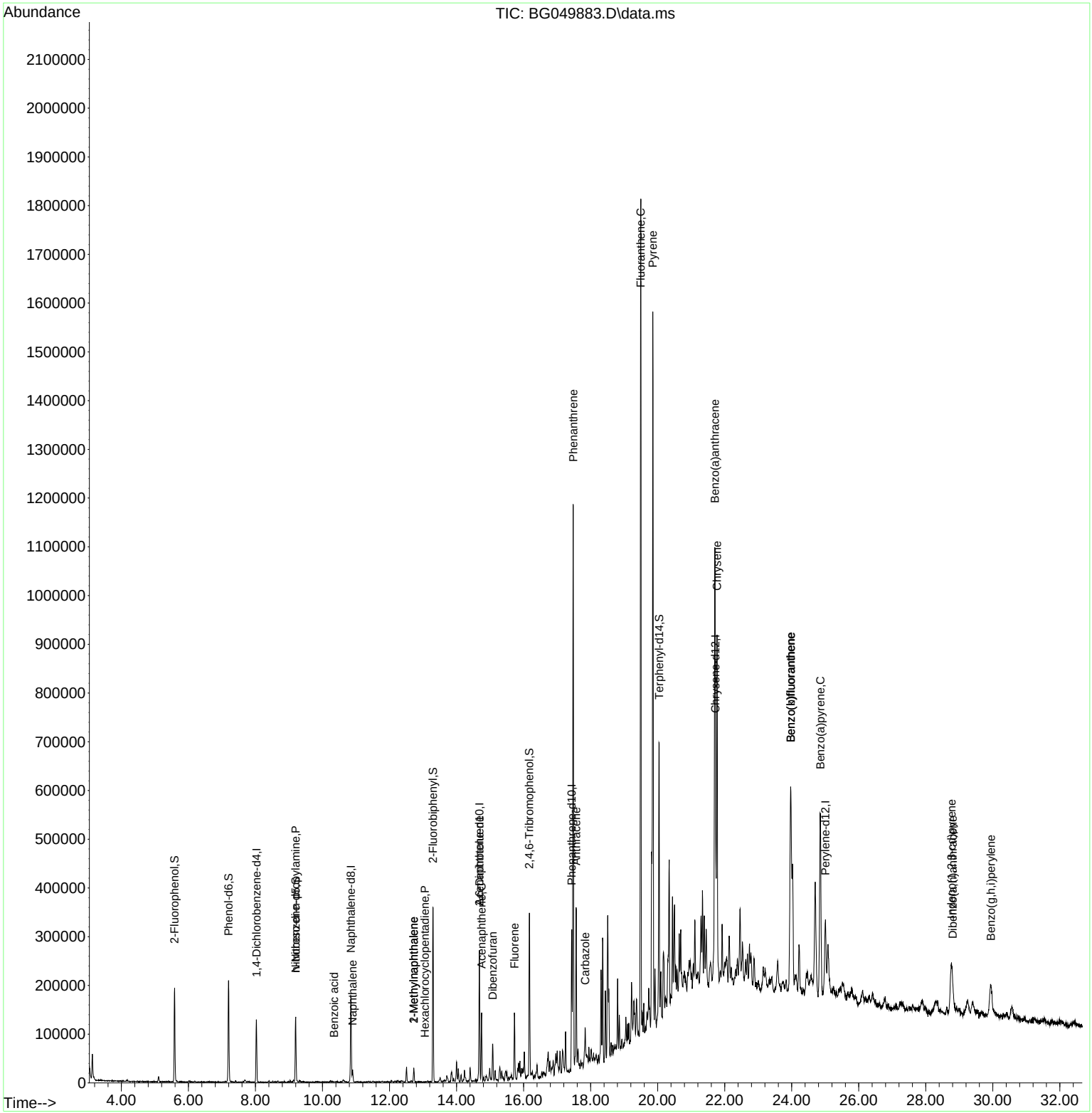

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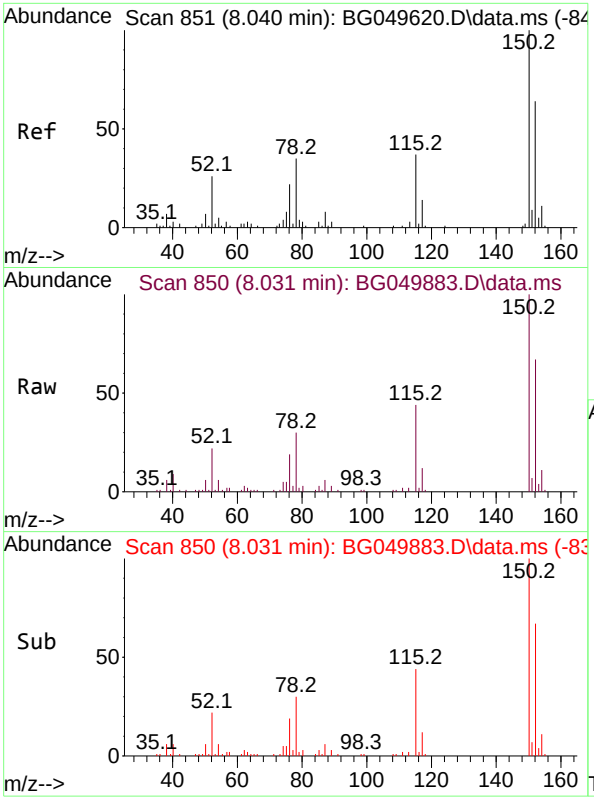
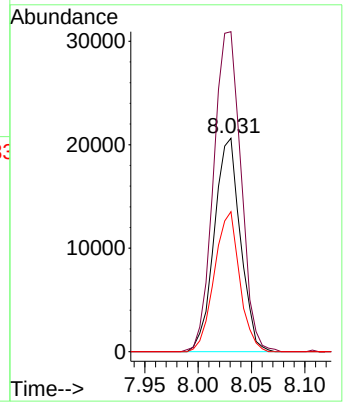
VNJ-215

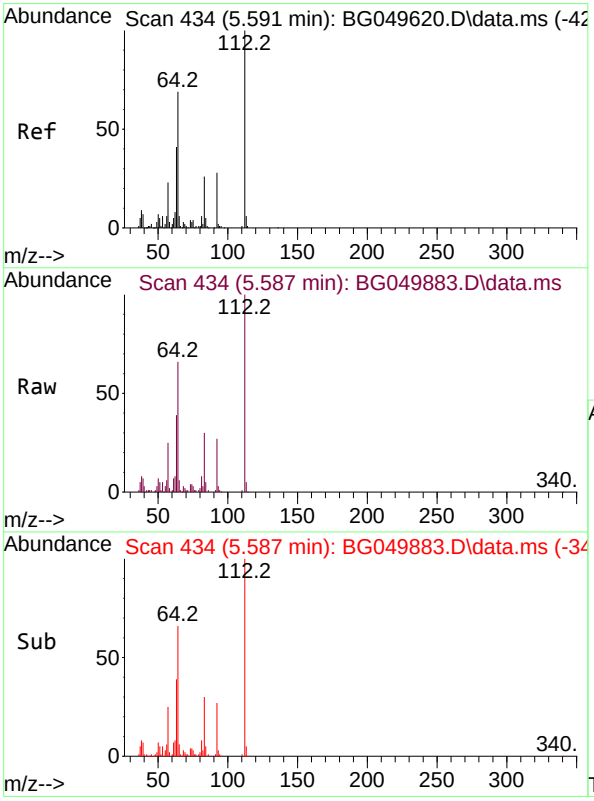


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.031 min Scan# 850
Delta R.T. 0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:152 Resp: 35139

Ion	Ratio	Lower	Upper
152	100		
150	149.9	119.4	179.0
115	65.6	60.2	90.4

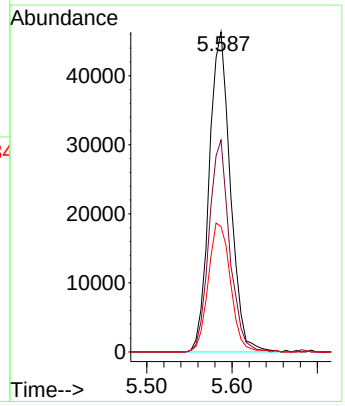


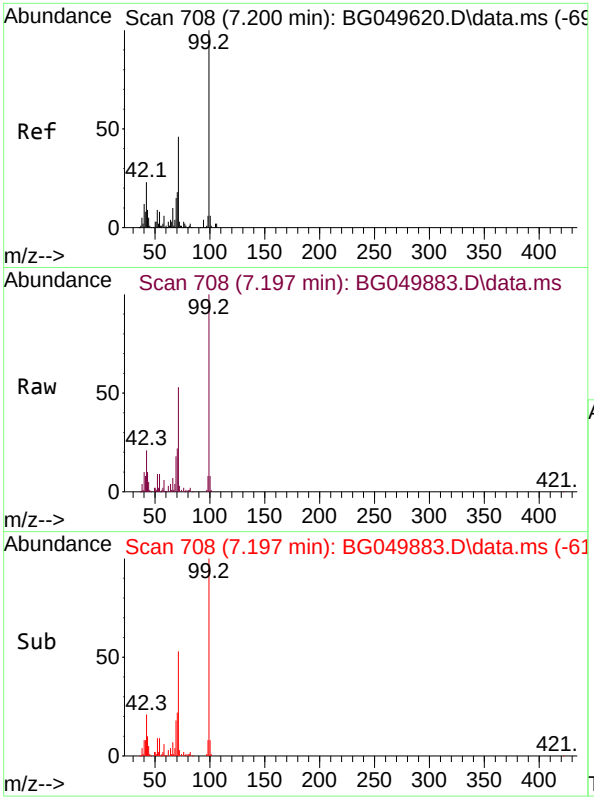


#5
2-Fluorophenol
Concen: 40.607 ng
RT: 5.587 min Scan# 434
Delta R.T. 0.009 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:112 Resp: 79599

Ion	Ratio	Lower	Upper
112	100		
64	66.2	46.7	70.1
63	39.2	35.3	52.9

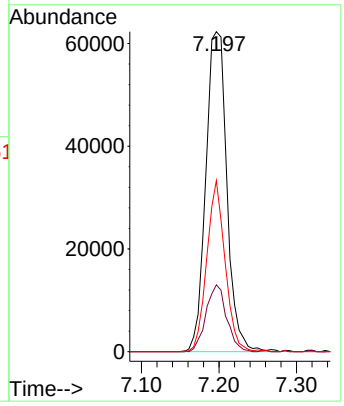




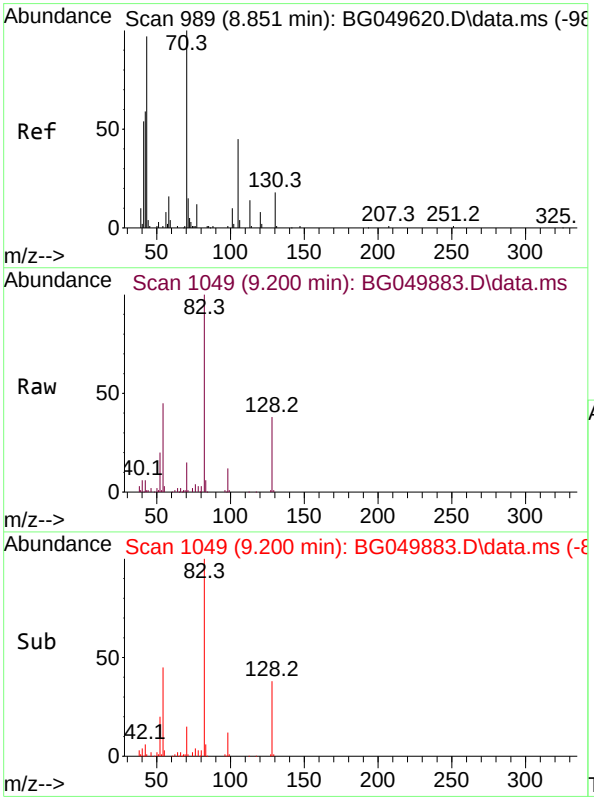
#7
Phenol-d6
Concen: 39.782 ng
RT: 7.197 min Scan# 708
Delta R.T. 0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion: 99 Resp: 118044

Ion	Ratio	Lower	Upper
99	100		
42	20.9	20.5	30.7
71	53.5	41.5	62.3



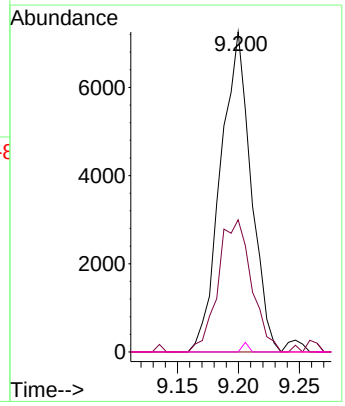
Instrument :
BNA_G
ClientSampleId :
VNJ-215



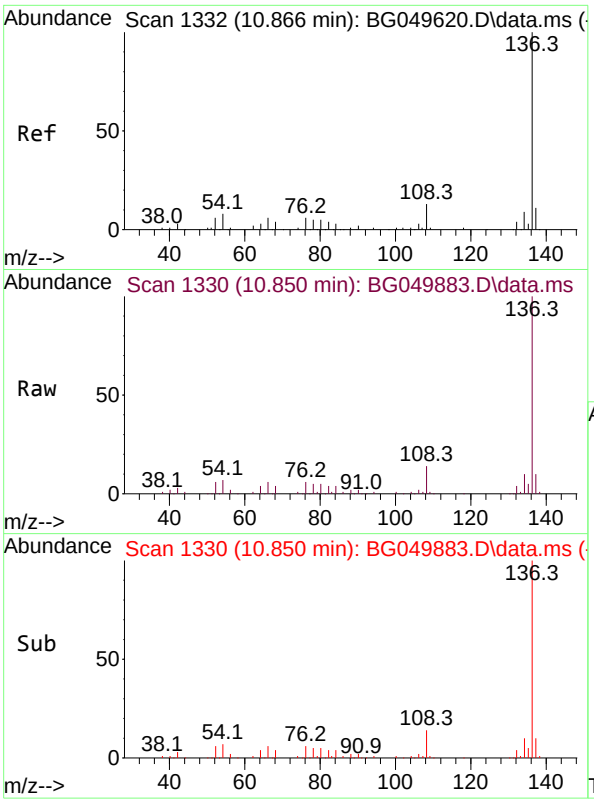
#19
n-Nitroso-di-n-propylamine
Concen: 6.332 ng
RT: 9.200 min Scan# 1049
Delta R.T. 0.361 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion: 70 Resp: 12574

Ion	Ratio	Lower	Upper
70	100		
42	41.3	54.5	81.7#
101	0.0	9.0	13.6#
130	0.0	17.0	25.6#



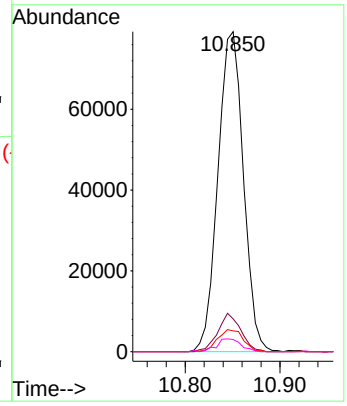
Instrument :
BNA_G
ClientSampleId :
VNJ-215

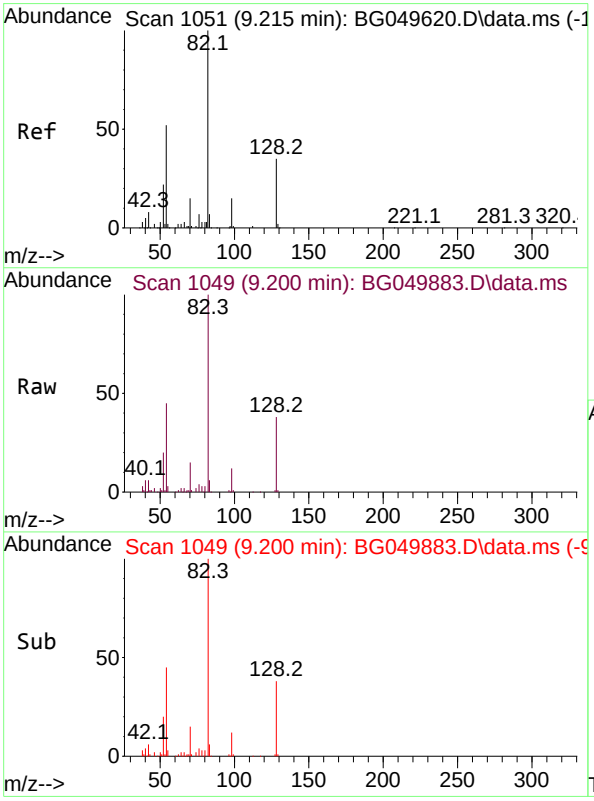


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.850 min Scan# 1330
Delta R.T. 0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:136 Resp: 147680

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.2	12.2
54	6.5	5.5	8.3
68	3.8	2.3	3.5#

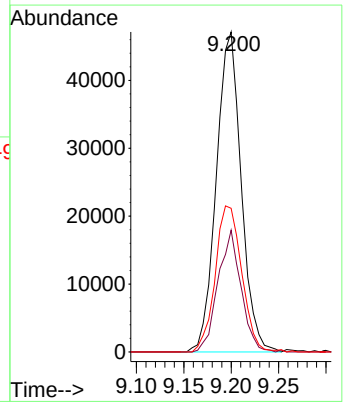




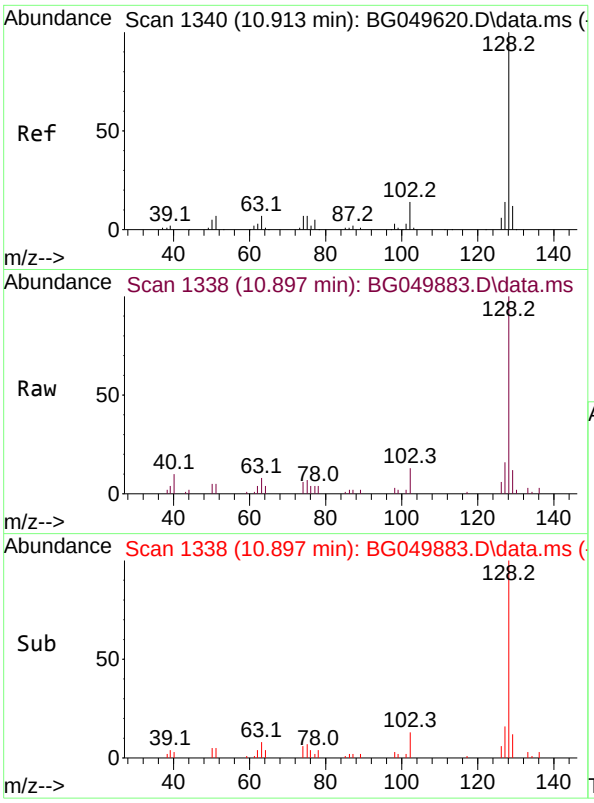
#23
Nitrobenzene-d5
Concen: 25.756 ng
RT: 9.200 min Scan# 1049
Delta R.T. 0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion: 82 Resp: 85957

Ion	Ratio	Lower	Upper
82	100		
128	38.1	29.8	44.6
54	44.9	45.8	68.8#



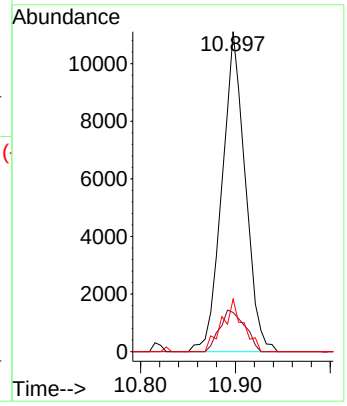
Instrument :
BNA_G
ClientSampleId :
VNJ-215

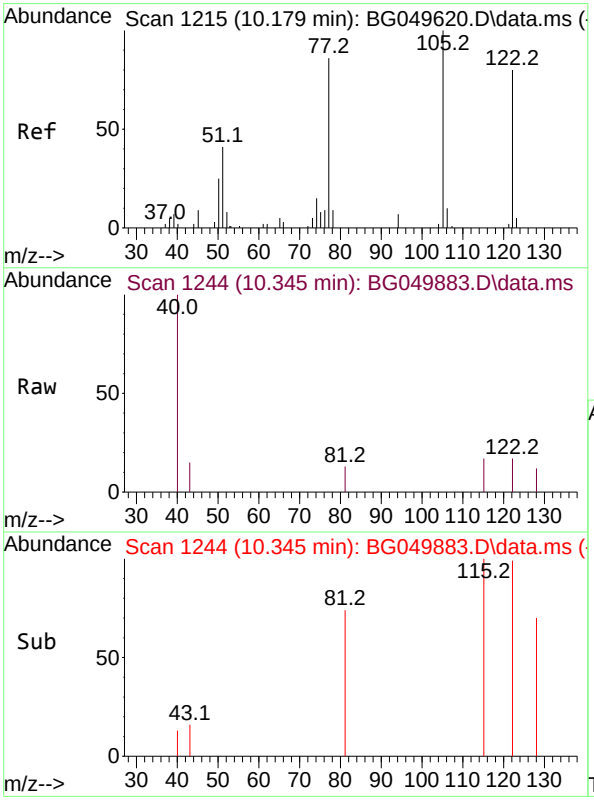


#31
Naphthalene
Concen: 2.440 ng
RT: 10.897 min Scan# 1338
Delta R.T. -0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:128 Resp: 18871

Ion	Ratio	Lower	Upper
128	100		
129	12.3	8.5	12.7
127	16.4	10.2	15.4#

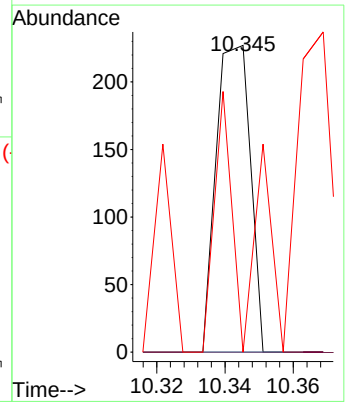




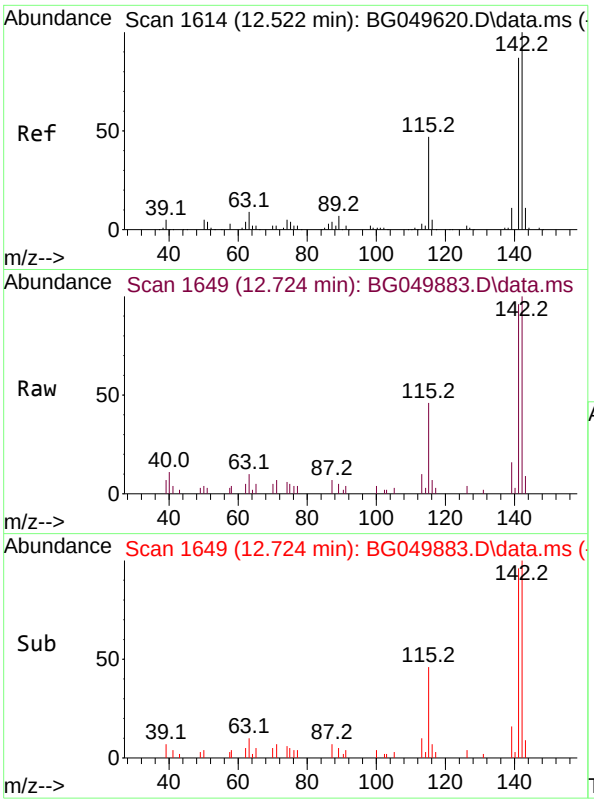
#32
Benzoic acid
Concen: 5.048 ng
RT: 10.345 min Scan# 1244
Delta R.T. 0.179 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:122 Resp: 158

Ion	Ratio	Lower	Upper
122	100		
105	0.0	92.3	132.3#
77	0.0	66.5	106.5#



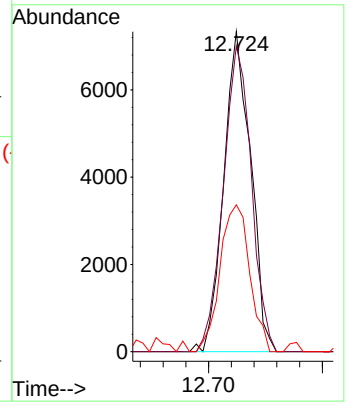
Instrument :
BNA_G
ClientSampleId :
VNJ-215

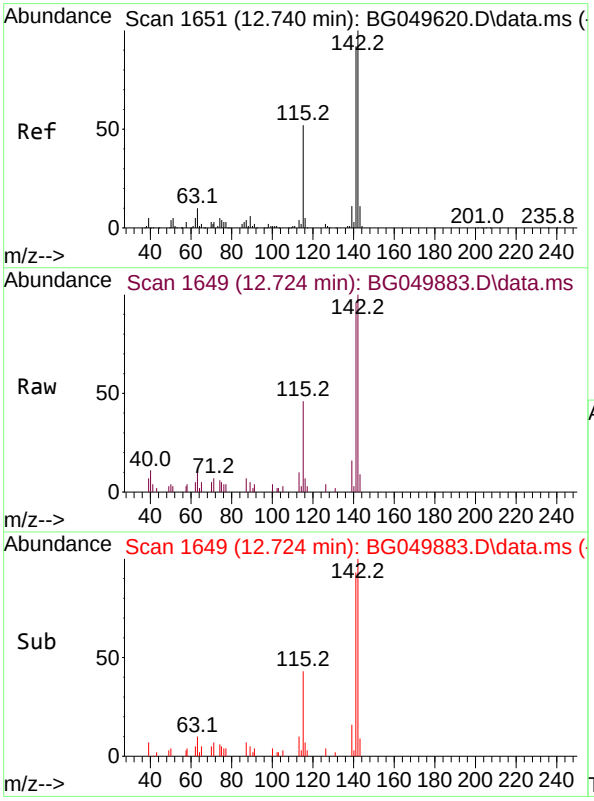


#37
2-Methylnaphthalene
Concen: 2.068 ng
RT: 12.724 min Scan# 1649
Delta R.T. 0.214 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:142 Resp: 12046

Ion	Ratio	Lower	Upper
142	100		
141	95.6	68.8	103.2
115	45.9	36.4	54.6

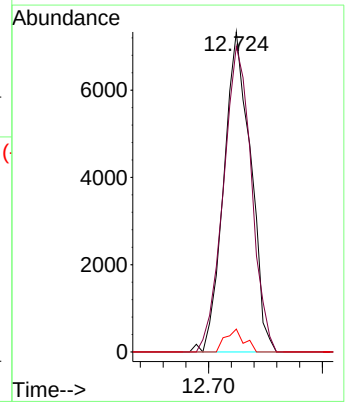




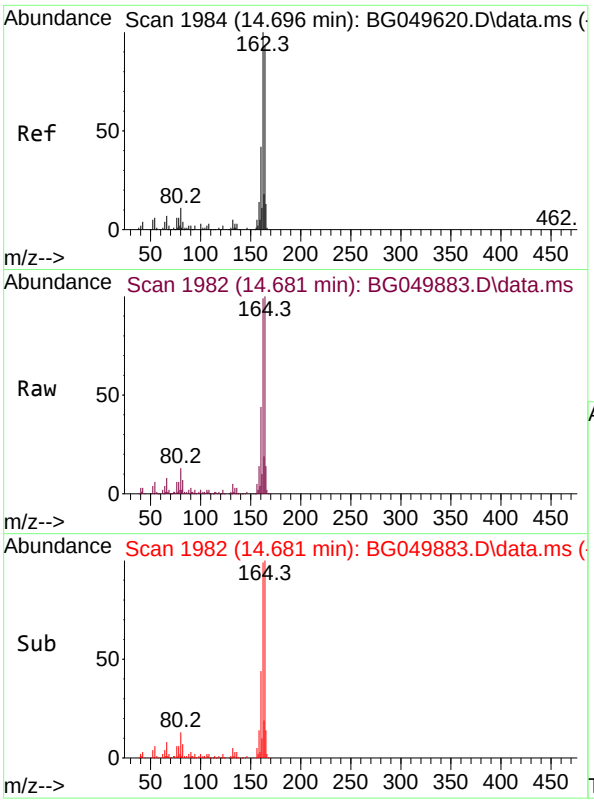
#38
1-Methylnaphthalene
Concen: 2.200 ng
RT: 12.724 min Scan# 1649
Delta R.T. -0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:142 Resp: 12046

Ion	Ratio	Lower	Upper
142	100		
141	95.6	70.6	106.0
116	7.1	4.0	6.0#



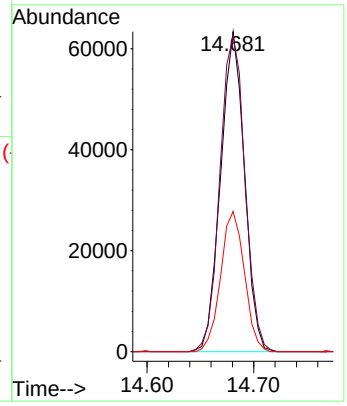
Instrument :
BNA_G
ClientSampleId :
VNJ-215

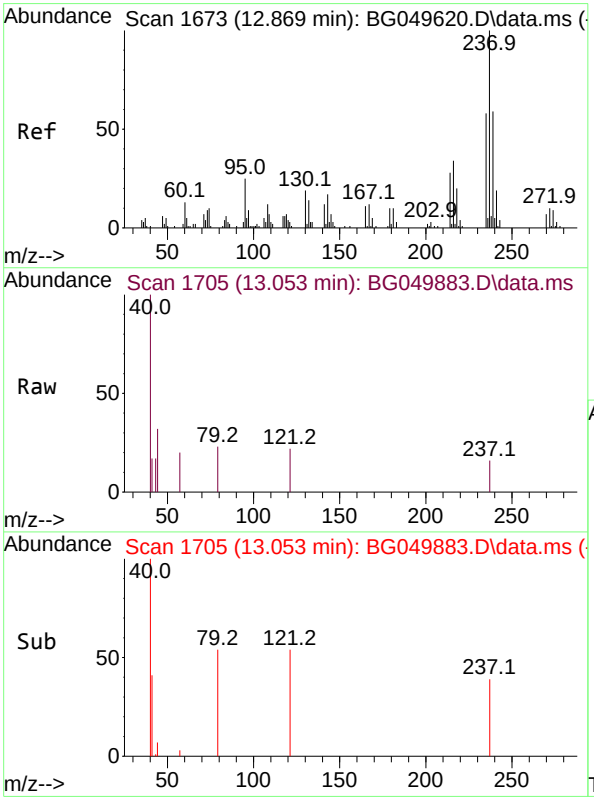


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.681 min Scan# 1982
Delta R.T. -0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:164 Resp: 98278

Ion	Ratio	Lower	Upper
164	100		
162	98.7	81.4	122.0
160	43.8	34.9	52.3

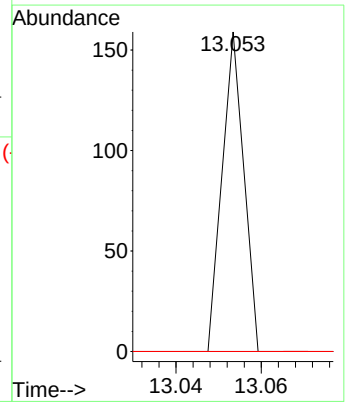




#41
Hexachlorocyclopentadiene
Concen: 3.574 ng
RT: 13.053 min Scan# 1705
Delta R.T. 0.203 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:237 Resp: 56

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



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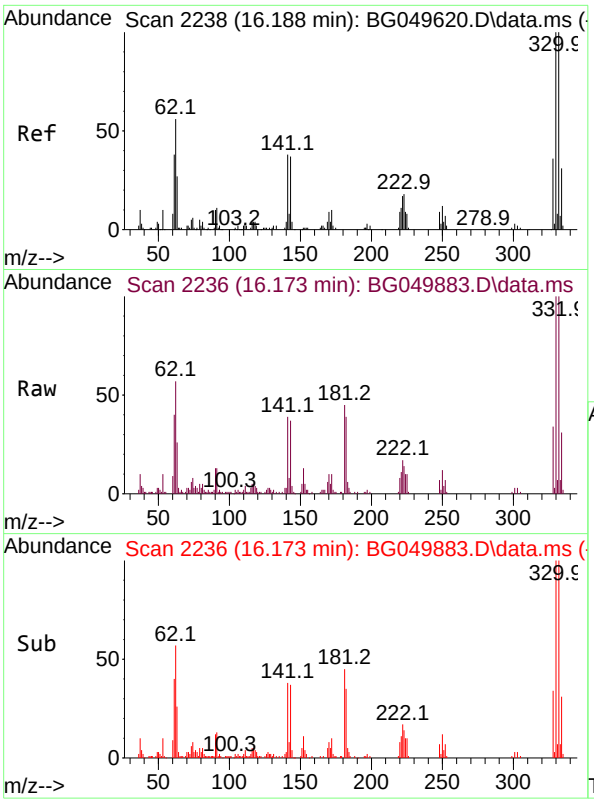
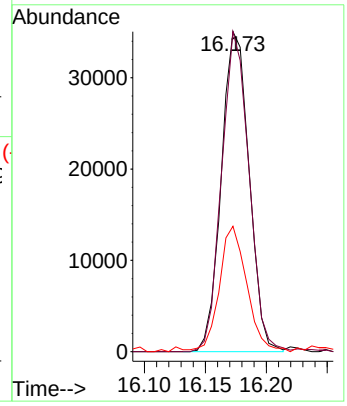
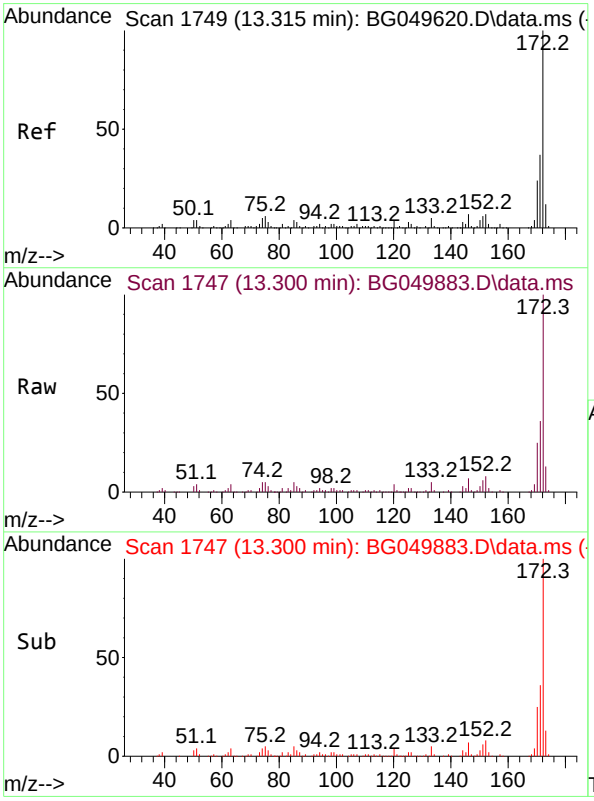


#42
2,4,6-Tribromophenol
Concen: 38.437 ng
RT: 16.173 min Scan# 2236
Delta R.T. -0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:330 Resp: 55524

Ion	Ratio	Lower	Upper
330	100		
332	99.2	77.3	115.9
141	38.8	35.6	53.4

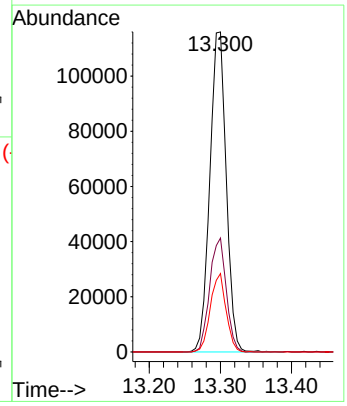




#45
2-Fluorobiphenyl
Concen: 27.582 ng
RT: 13.300 min Scan# 1747
Delta R.T. -0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:172 Resp: 186296

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	43.0
170	24.5	18.6	27.8



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BNA_G
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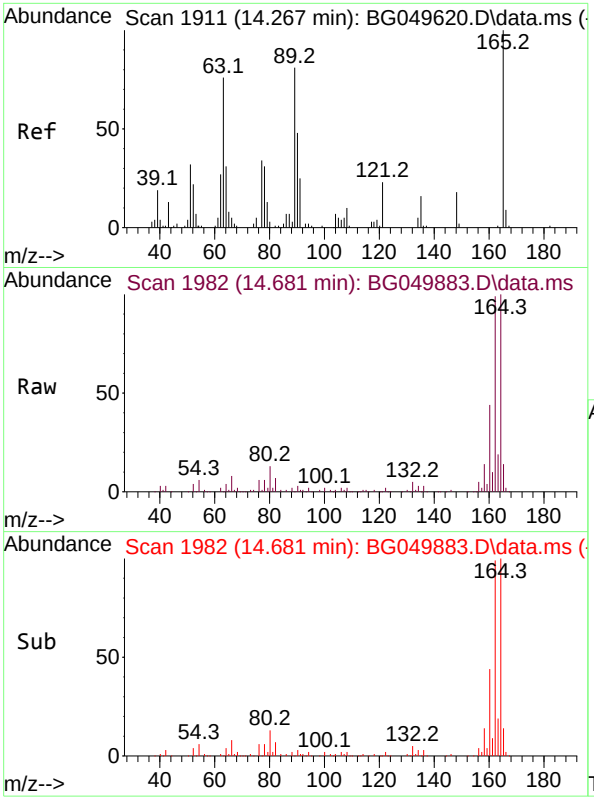
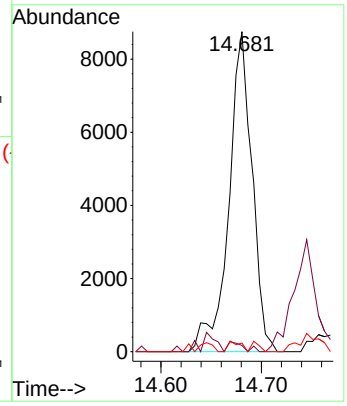
VNJ-215

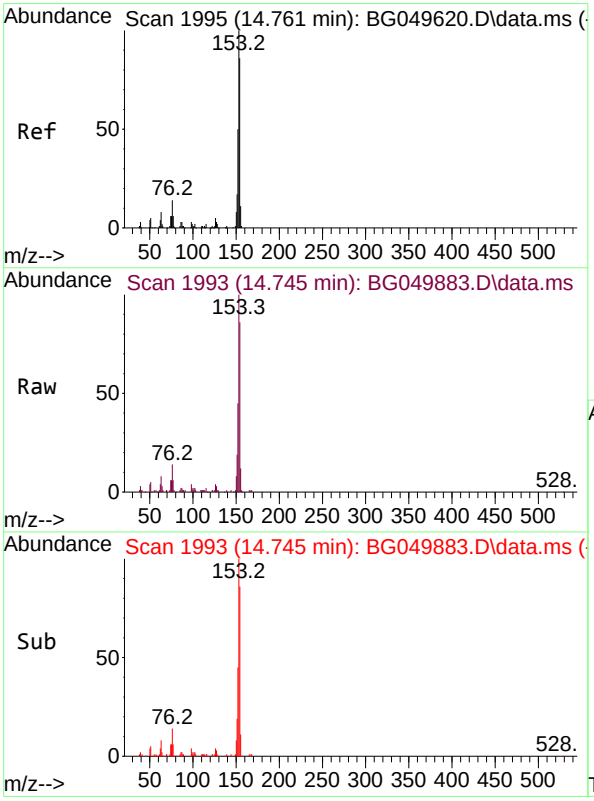


#51
2,6-Dinitrotoluene
Concen: 8.620 ng
RT: 14.681 min Scan# 1982
Delta R.T. 0.426 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:165 Resp: 14073

Ion	Ratio	Lower	Upper
165	100		
63	2.0	63.3	94.9#
89	2.7	63.4	95.0#

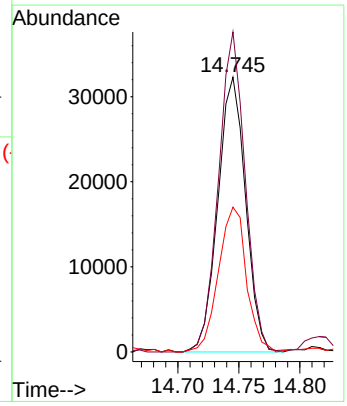




#52
Acenaphthene
Concen: 9.573 ng
RT: 14.745 min Scan# 1993
Delta R.T. -0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:154 Resp: 51099

Ion	Ratio	Lower	Upper
154	100		
153	116.5	87.0	130.4
152	52.7	40.1	60.1



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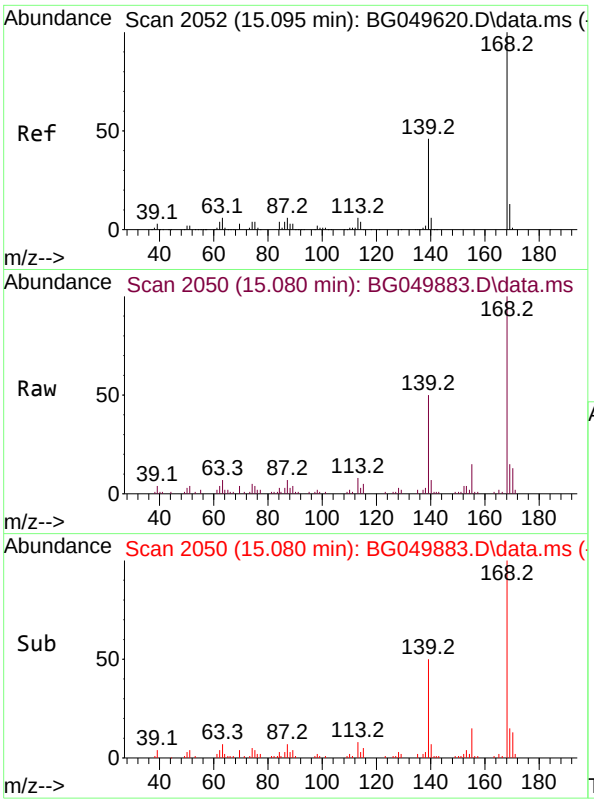
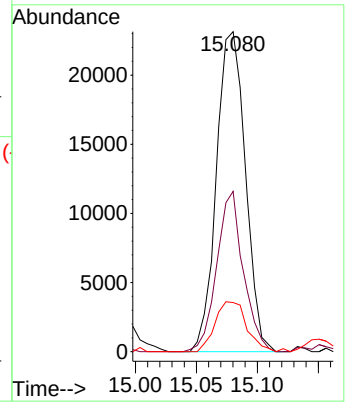
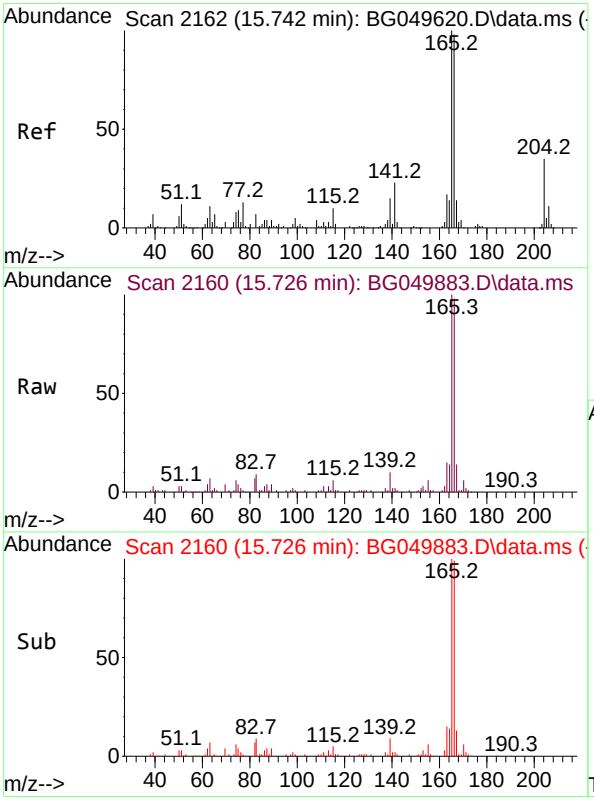


#55
Dibenzofuran
Concen: 4.411 ng
RT: 15.080 min Scan# 2050
Delta R.T. -0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:168 Resp: 38193

Ion	Ratio	Lower	Upper
168	100		
139	50.1	33.4	50.2
169	15.3	12.3	18.5

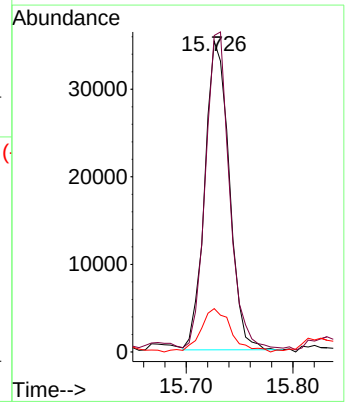




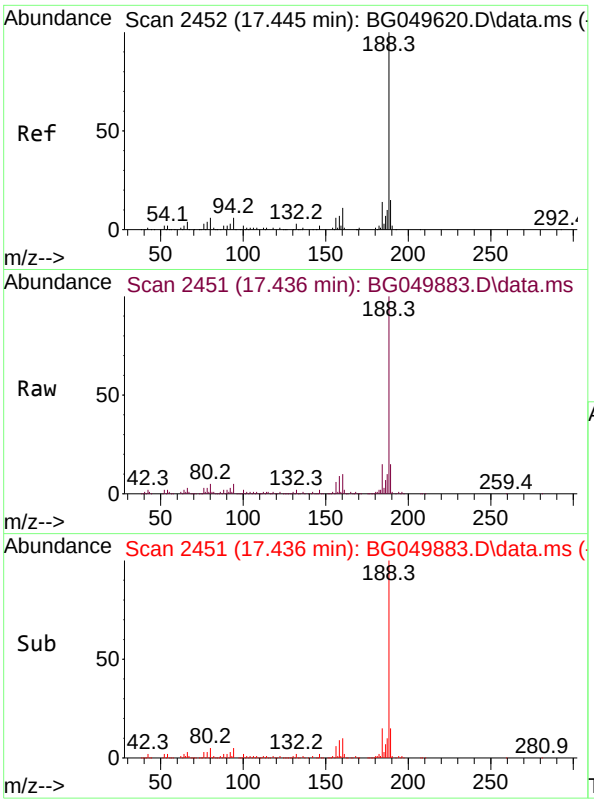
#58
Fluorene
Concen: 8.004 ng
RT: 15.726 min Scan# 2160
Delta R.T. -0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:166 Resp: 56336

Ion	Ratio	Lower	Upper
166	100		
165	101.8	77.7	116.5
167	14.0	10.8	16.2



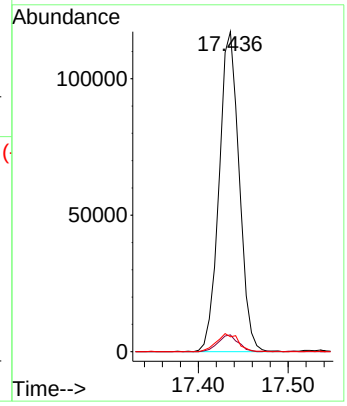
Instrument :
BNA_G
ClientSampleId :
VNJ-215

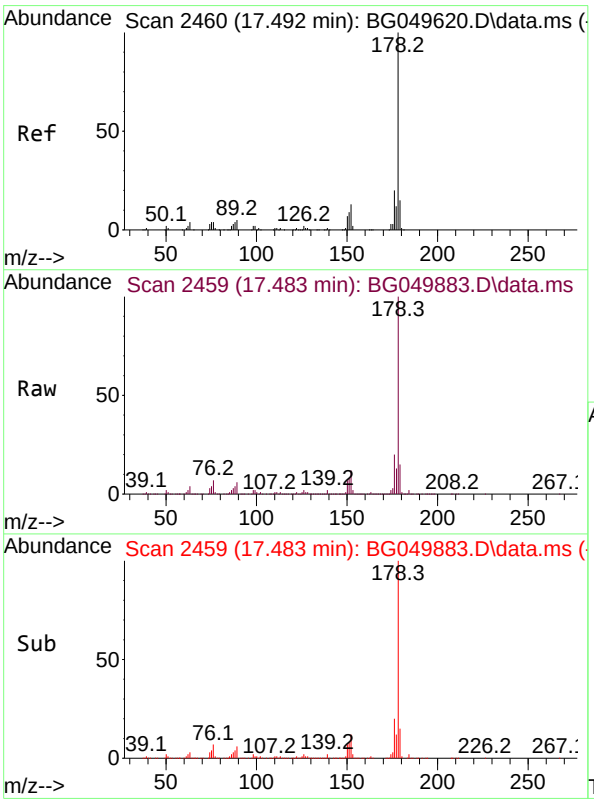


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.436 min Scan# 2451
Delta R.T. -0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:188 Resp: 181584

Ion	Ratio	Lower	Upper
188	100		
94	5.2	5.4	8.0#
80	4.6	3.7	5.5

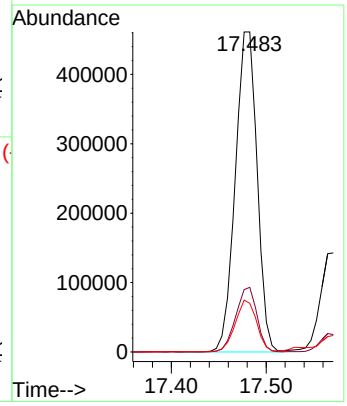




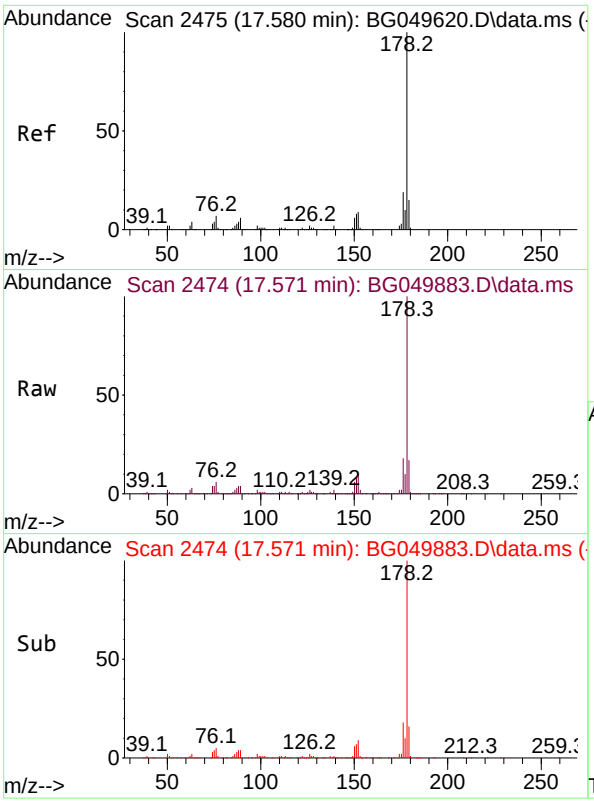
#71
Phenanthrene
Concen: 77.042 ng
RT: 17.483 min Scan# 2459
Delta R.T. 0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:178 Resp: 736008

Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.0	24.0
179	15.2	14.2	21.4



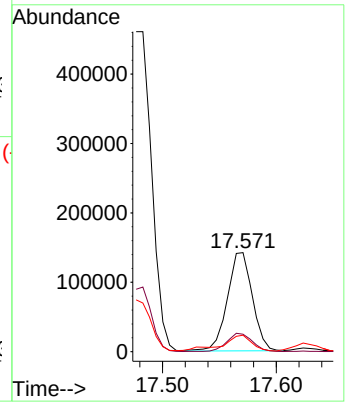
Instrument :
BNA_G
ClientSampleId :
VNJ-215

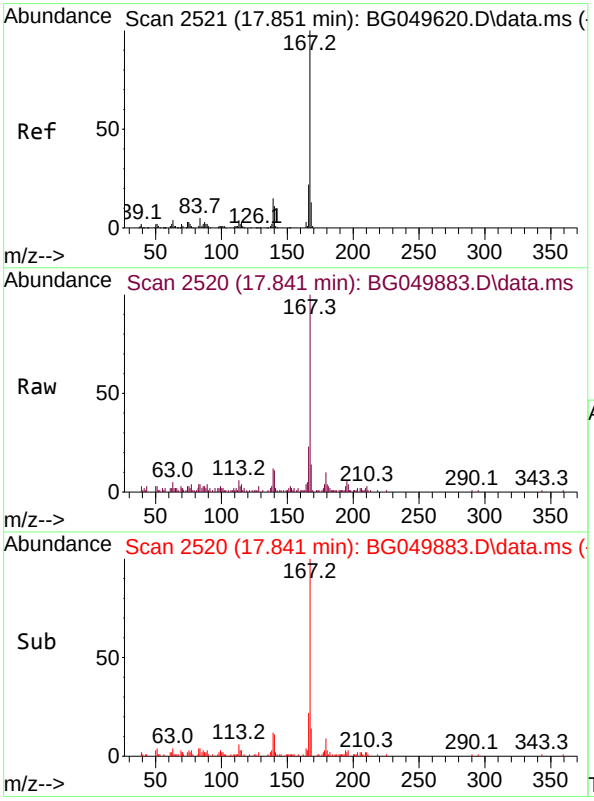


#72
Anthracene
Concen: 23.085 ng
RT: 17.571 min Scan# 2474
Delta R.T. 0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:178 Resp: 216589

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.6	21.8
179	16.6	13.4	20.0

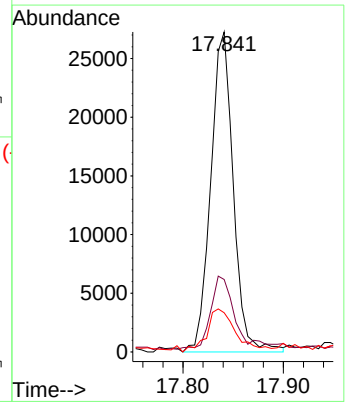


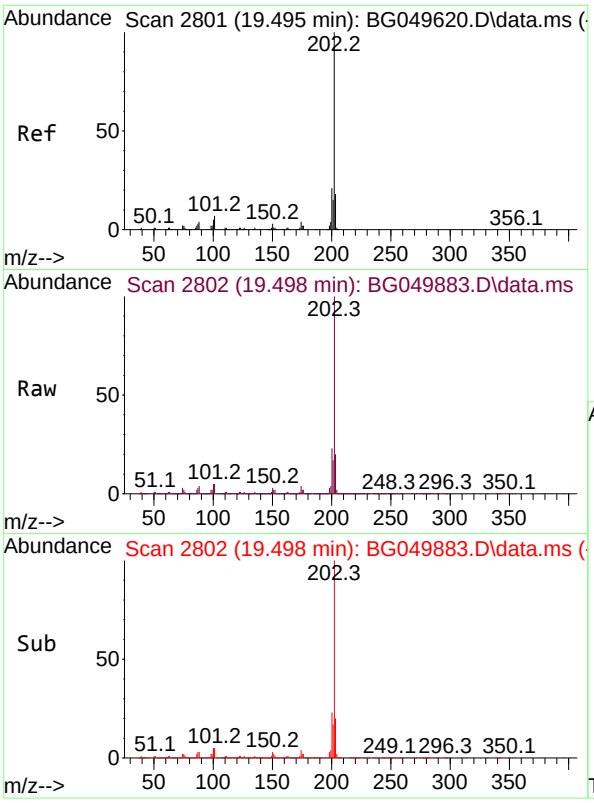


#73
Carbazole
Concen: 4.800 ng
RT: 17.841 min Scan# 2520
Delta R.T. 0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:167 Resp: 42656

Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.4	26.2
139	12.3	10.7	16.1

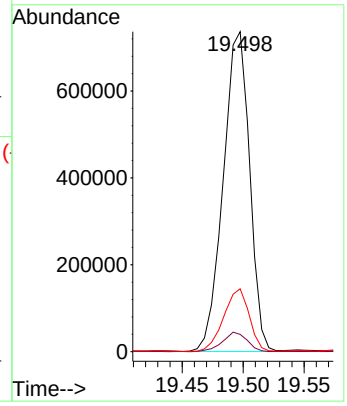




#75
Fluoranthene
Concen: 94.178 ng
RT: 19.498 min Scan# 2802
Delta R.T. 0.009 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:202 Resp: 1107153

Ion	Ratio	Lower	Upper
202	100		
101	5.4	0.0	24.7
203	19.7	0.0	38.5



Instrument :
BNA_G
ClientSampleId :
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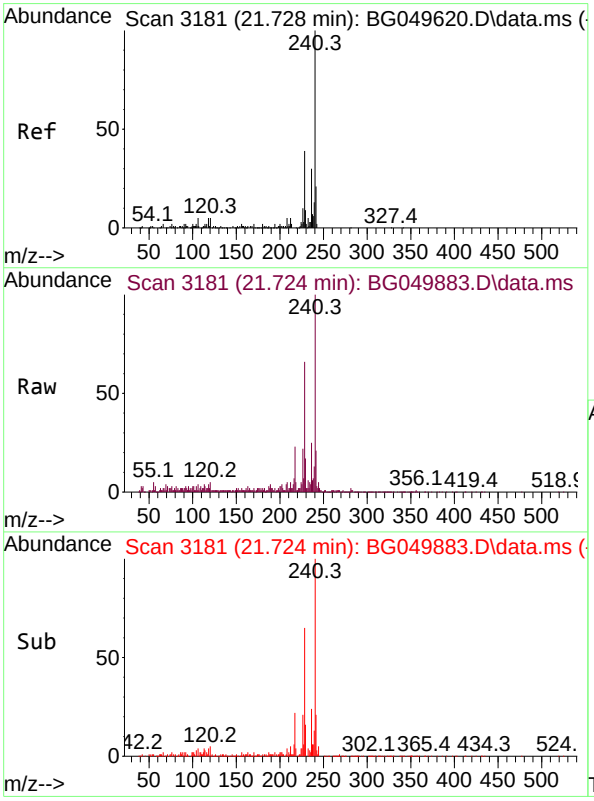
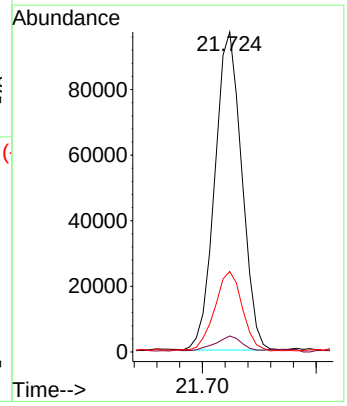


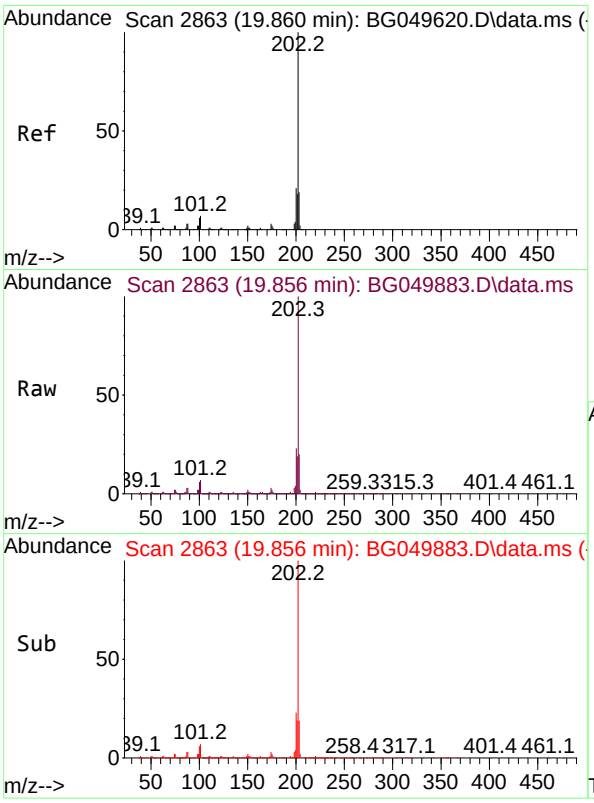
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.724 min Scan# 3181
Delta R.T. 0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:240 Resp: 159185

Ion	Ratio	Lower	Upper
240	100		
120	5.0	4.2	6.2
236	25.1	21.8	32.6



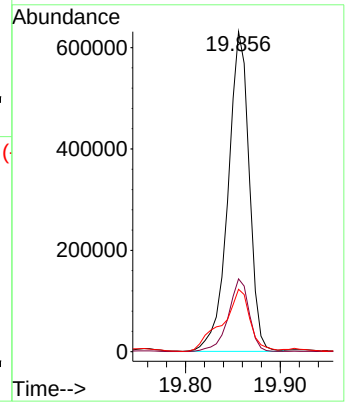
Instrument :
BNA_G
ClientSampleId :
VNJ-215

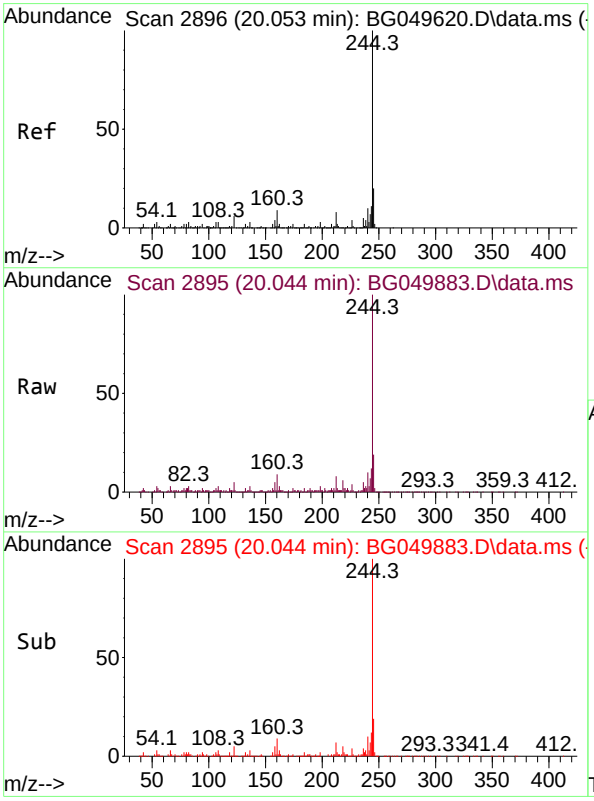


#78
Pyrene
Concen: 90.156 ng
RT: 19.856 min Scan# 2863
Delta R.T. 0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:202 Resp: 978408

Ion	Ratio	Lower	Upper
202	100		
200	22.8	15.8	23.8
203	19.5	14.6	21.8

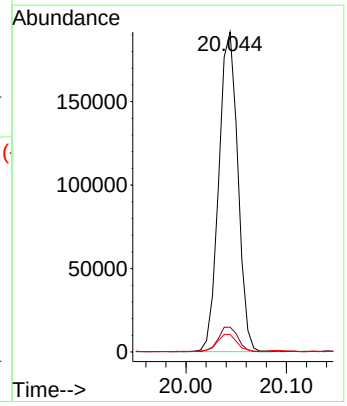




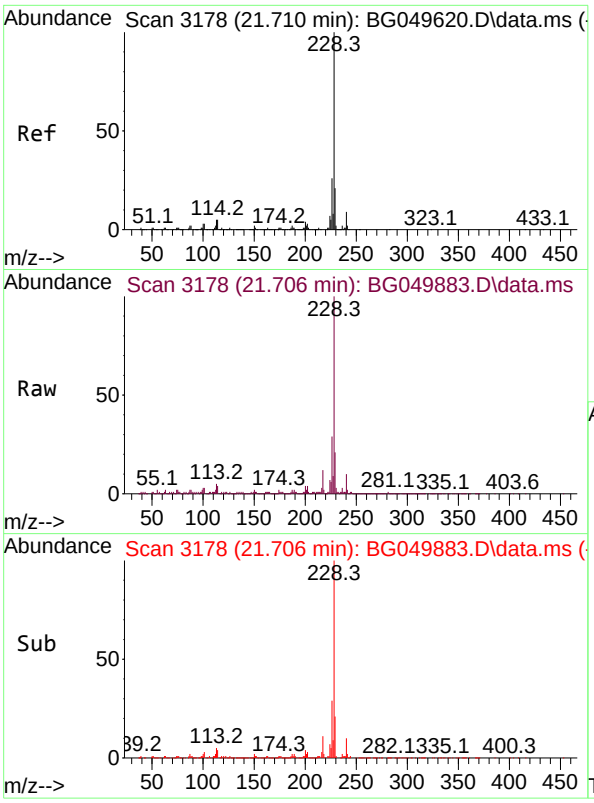
#79
Terphenyl-d14
Concen: 28.748 ng
RT: 20.044 min Scan# 2895
Delta R.T. -0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:244 Resp: 251965

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.9	10.3
122	5.5	5.0	7.6



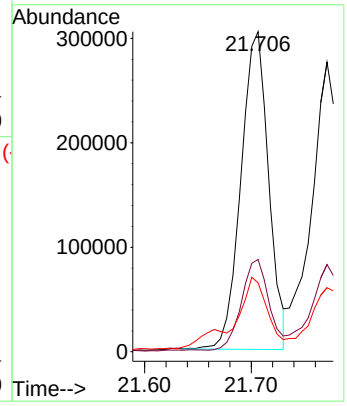
Instrument :
BNA_G
ClientSampleId :
VNJ-215

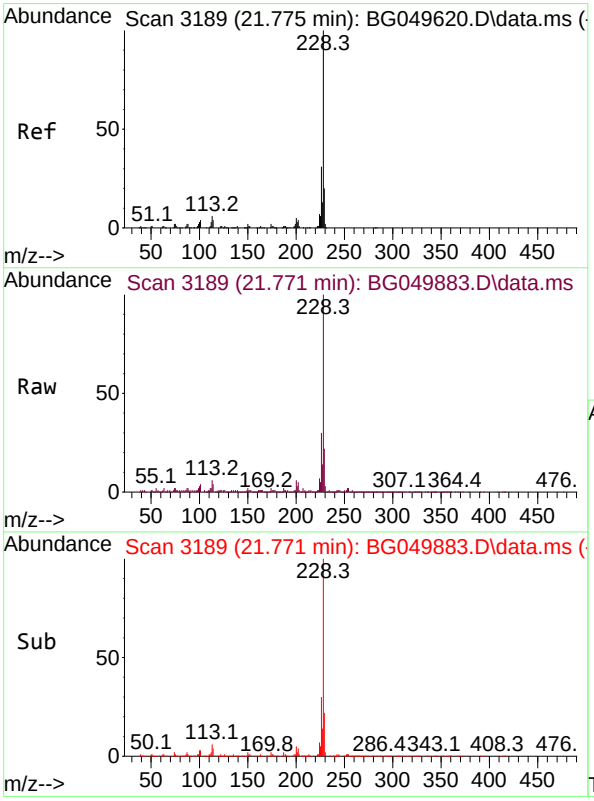


#81
Benzo(a)anthracene
Concen: 52.914 ng
RT: 21.706 min Scan# 3178
Delta R.T. 0.009 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:228 Resp: 548544

Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.7	34.1
229	21.5	16.0	24.0

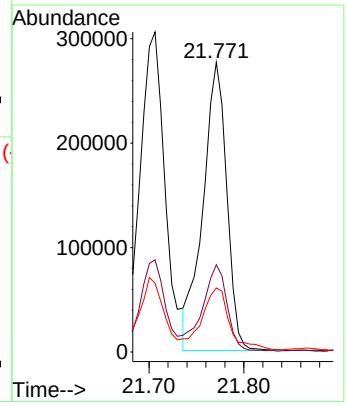




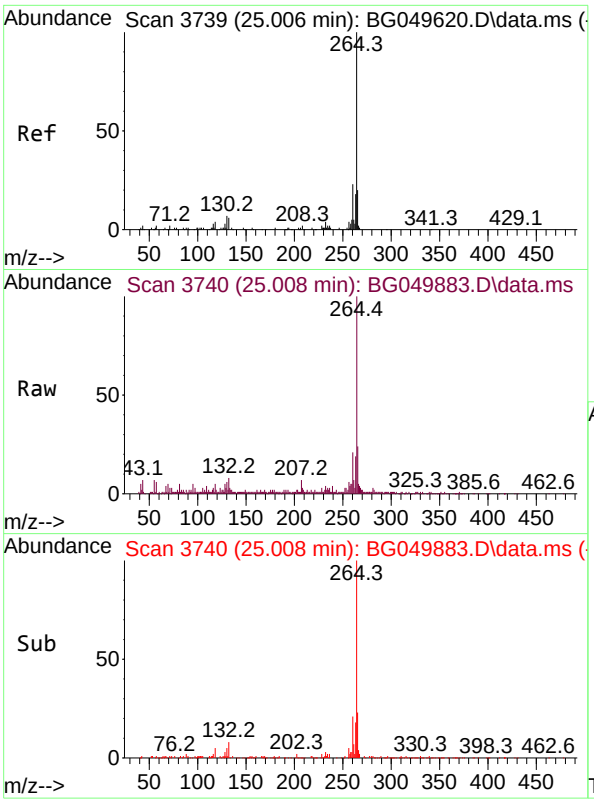
#83
Chrysene
Concen: 48.687 ng
RT: 21.771 min Scan# 3189
Delta R.T. 0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:228 Resp: 482470

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.1	34.7
229	22.1	15.3	22.9



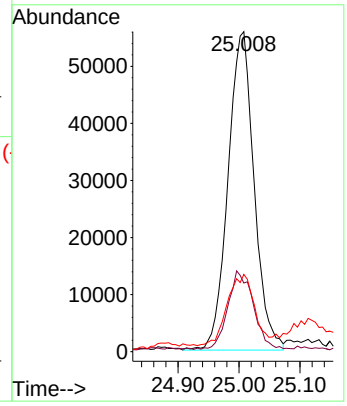
Instrument :
BNA_G
ClientSampleId :
VNJ-215

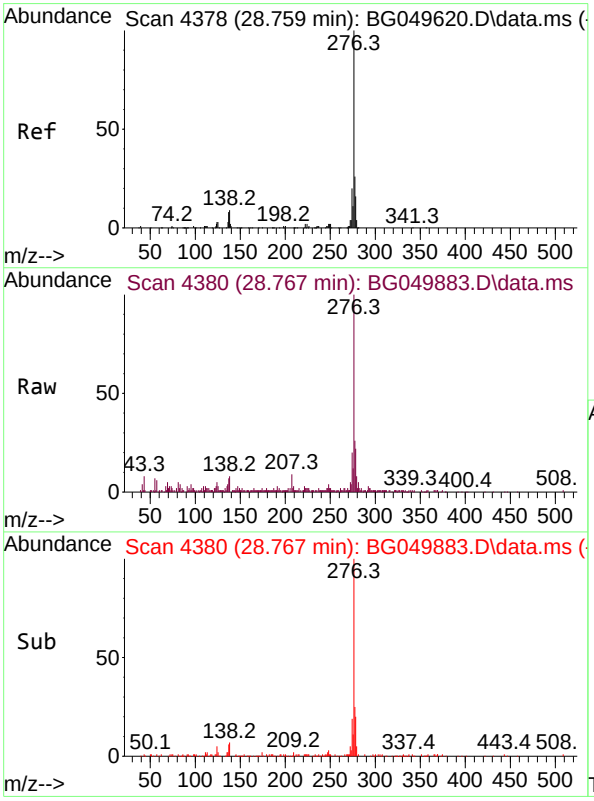


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.008 min Scan# 3740
Delta R.T. 0.020 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:264 Resp: 165841

Ion	Ratio	Lower	Upper
264	100		
260	21.5	19.4	29.2
265	24.2	16.9	25.3

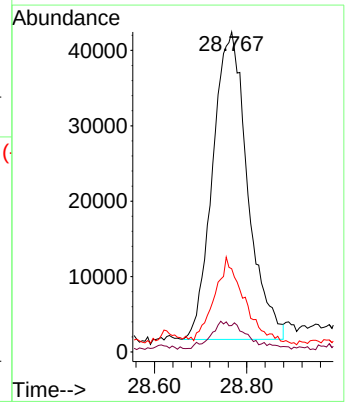




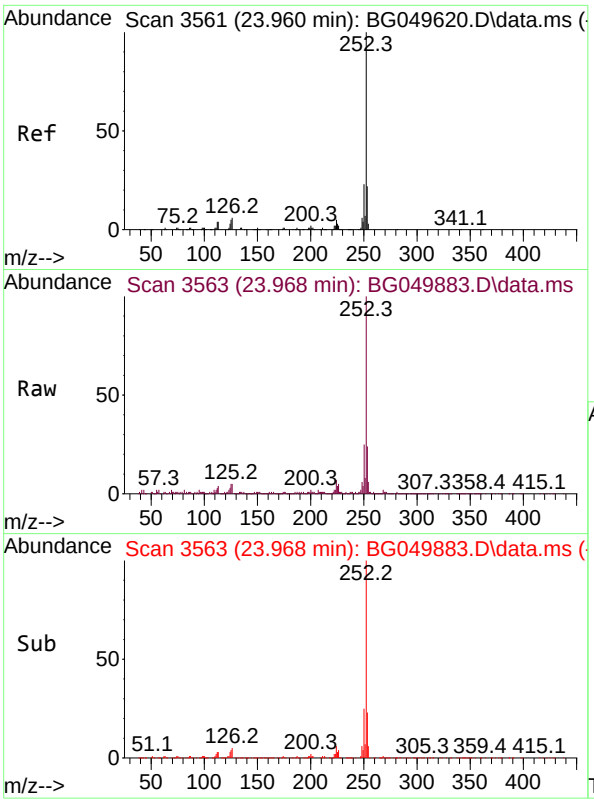
#87
Indeno(1,2,3-cd)pyrene
Concen: 17.888 ng
RT: 28.767 min Scan# 4380
Delta R.T. 0.032 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:276 Resp: 213948

Ion	Ratio	Lower	Upper
276	100		
138	0.0	5.1	7.7#
277	25.5	19.8	29.6



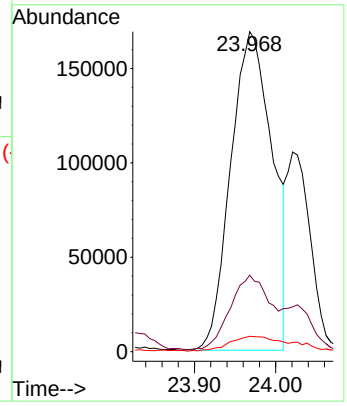
Instrument :
BNA_G
ClientSampleId :
VNJ-215

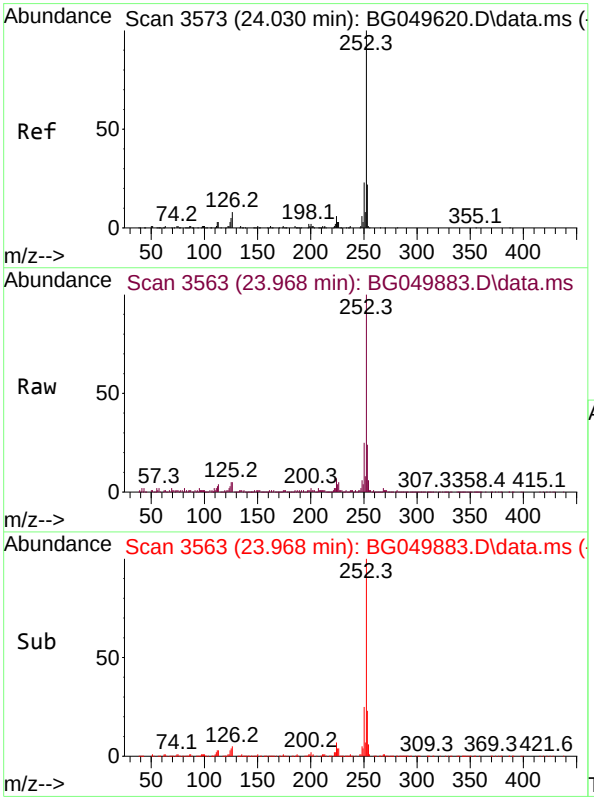


#88
Benzo(b)fluoranthene
Concen: 55.411 ng
RT: 23.968 min Scan# 3563
Delta R.T. 0.015 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:252 Resp: 602685

Ion	Ratio	Lower	Upper
252	100		
253	23.9	16.2	24.4
125	4.8	3.0	4.4#

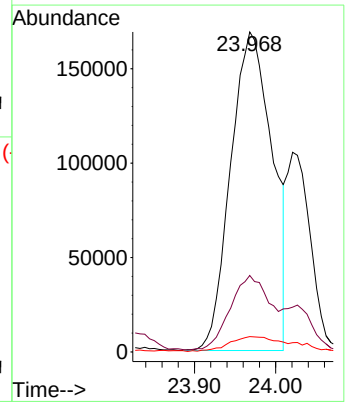


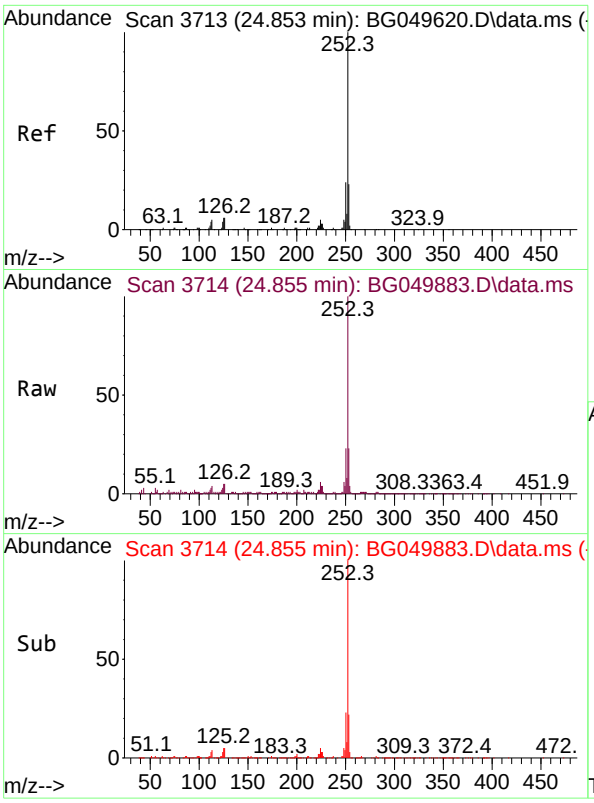


#89
Benzo(k)fluoranthene
Concen: 59.404 ng
RT: 23.968 min Scan# 3563
Delta R.T. -0.050 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:252 Resp: 602685

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.0	27.0
125	4.8	3.1	4.7#

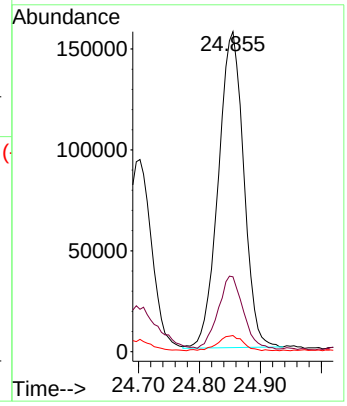




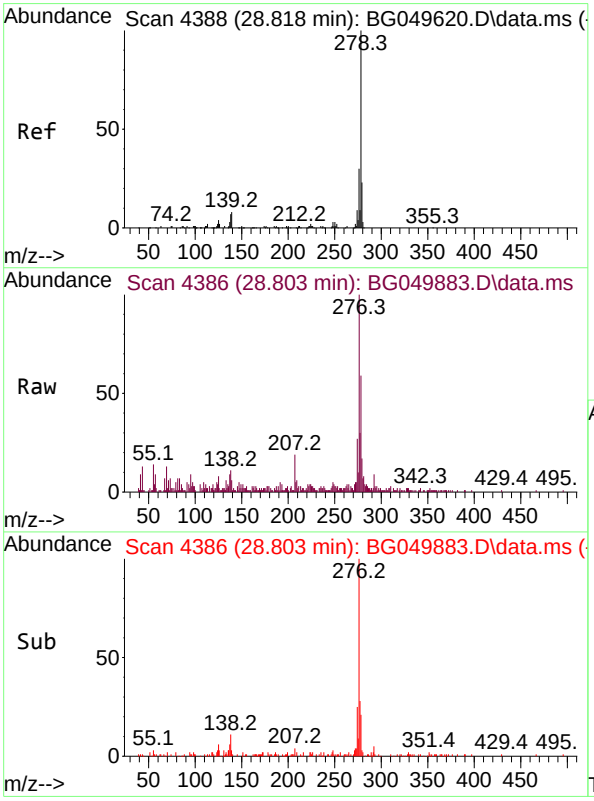
#90
Benzo(a)pyrene
Concen: 46.017 ng
RT: 24.855 min Scan# 3714
Delta R.T. 0.015 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:252 Resp: 452954

Ion	Ratio	Lower	Upper
252	100		
253	23.4	16.6	25.0
125	5.1	3.5	5.3



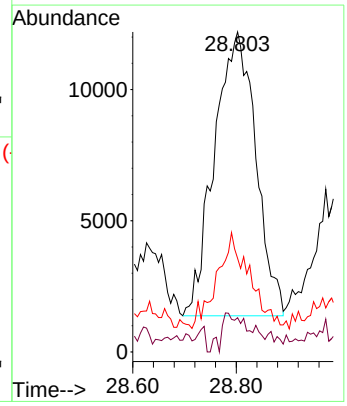
Instrument :
BNA_G
ClientSampleId :
VNJ-215

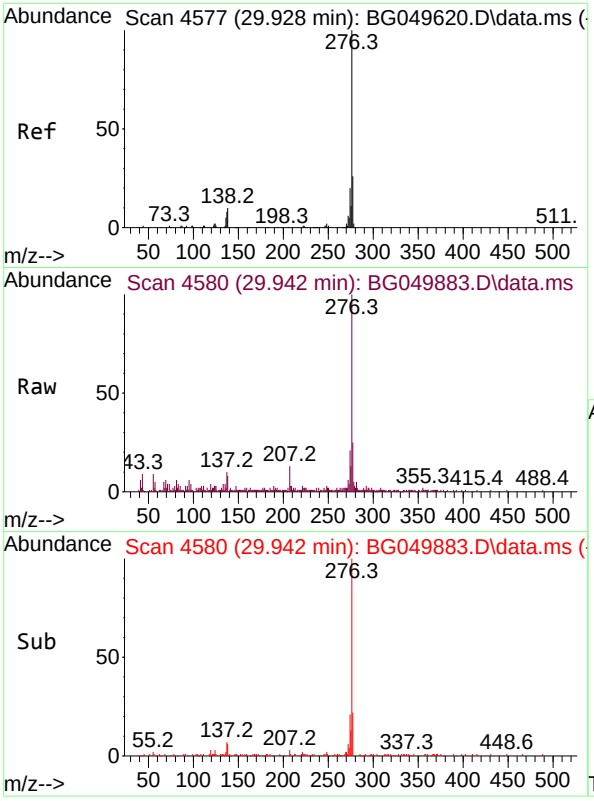


#91
Dibenzo(a,h)anthracene
Concen: 5.959 ng
RT: 28.803 min Scan# 4386
Delta R.T. 0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:278 Resp: 60053

Ion	Ratio	Lower	Upper
278	100		
139	10.7	4.6	6.8#
279	29.3	17.9	26.9#

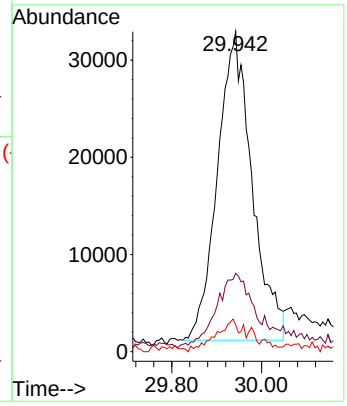




#92
Benzo(g,h,i)perylene
Concen: 17.205 ng
RT: 29.942 min Scan# 4580
Delta R.T. 0.026 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:276 Resp: 169880

Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.4	27.6
138	8.4	7.0	10.6



Instrument :
BNA_G
ClientSampleId :
VNJ-215