Quantitation Report (LSC Reviewed)

Data Path : S:\HPCHEM1\BNA_G\DATA\BG072015\
Data File : BG017999.D
Acq On : 20 Jul 2015 21:13
Operator : TP/UM
Sample : G3025-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
UST-2(0-2)

Manual Integrations APPROVED
apatel
7/22/2015 9:43:43 AM

Quant Time: Jul 21 01:57:06 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 18 01:50:30 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	110458	20.00	ng		0.00
21) Naphthalene-d8	10.37	136	457811	20.00	ng		0.00
38) Acenaphthene-d10	14.24	164	256926	20.00	ng		0.00
63) Phenanthrene-d10	17.00	188	492436	20.00	ng		0.00
75) Chrysene-d12	21.20	240	515532	20.00	ng		0.00
86) Perylene-d12	23.43	264	511794	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.20	112	691586	109.22	ng		0.01
7) Phenol-d6	6.78	99	891903	107.52	ng		0.01
23) Nitrobenzene-d5	8.74	82	525734	74.38	ng		0.00
41) 2,4,6-Tribromophenol	15.74	330	318786	122.47	ng		0.00
44) 2-Fluorobiphenyl	12.86	172	945436	63.77	ng		0.00
78) Terphenyl-d14	19.65	244	1055838	51.59	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	10.41	128	73722	3.29	ng		96
37) 2-Methylnaphthalene	12.04	142	55162	3.43	ng		94
49) Dimethylphthalate	13.71	163	519960	29.13	ng		100
51) Acenaphthene	14.31	154	16636	1.13	ng		95
57) Fluorene	15.30	166	33159	1.82	ng	#	92
70) Phenanthrene	17.04	178	543706	21.41	ng		98
71) Anthracene	17.13	178	126684	5.13	ng		98
72) Carbazole	17.41	167	26224	1.12	ng		96
74) Fluoranthene	19.07	202	822906	29.59	ng		96
77) Pyrene	19.43	202	839917	29.21	ng		97
80) Benzo(a)anthracene	21.19	228	412597	15.15	ng		99
82) Chrysene	21.24	228	395824	15.26	ng		96
83) Bis(2-ethylhexyl)phthalate	21.13	149	28432	1.60	ng	#	96
85) Indeno(1,2,3-cd)pyrene	25.67	276	145430	4.64	ng	#	88
87) Benzo(b)fluoranthene	22.76	252	428557m	15.30	ng		
88) Benzo(k)fluoranthene	22.79	252	149801m	5.36	ng		
89) Benzo(a)pyrene	23.33	252	333018	12.76	ng		98
90) Dibenzo(a,h)anthracene	25.68	278	37862	1.40	ng	#	86
91) Benzo(g,h,i)perylene	26.36	276	136001	5.21	ng		96

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

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BNA_G
ClientSampleId :
UST-2(0-2)

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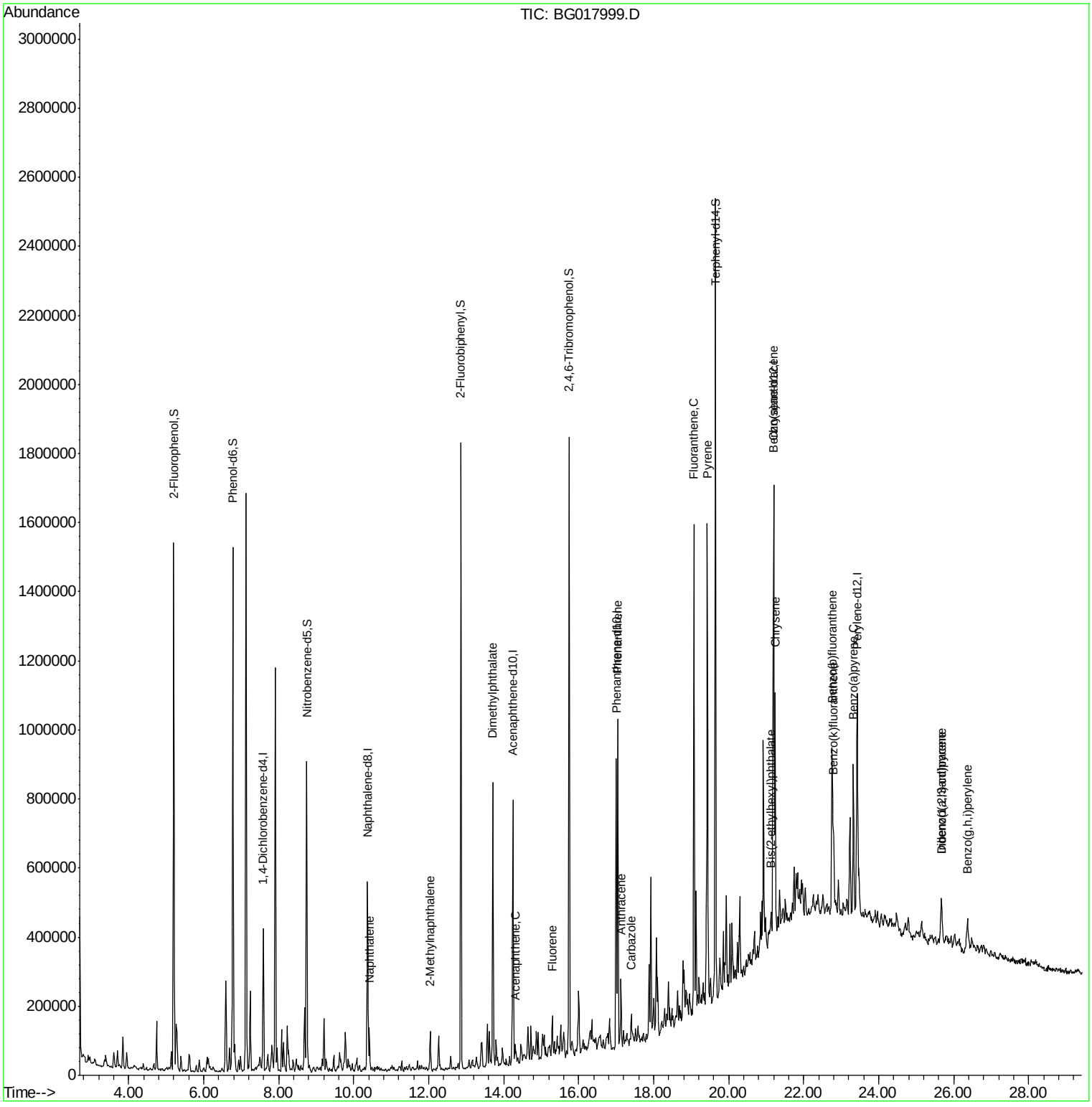
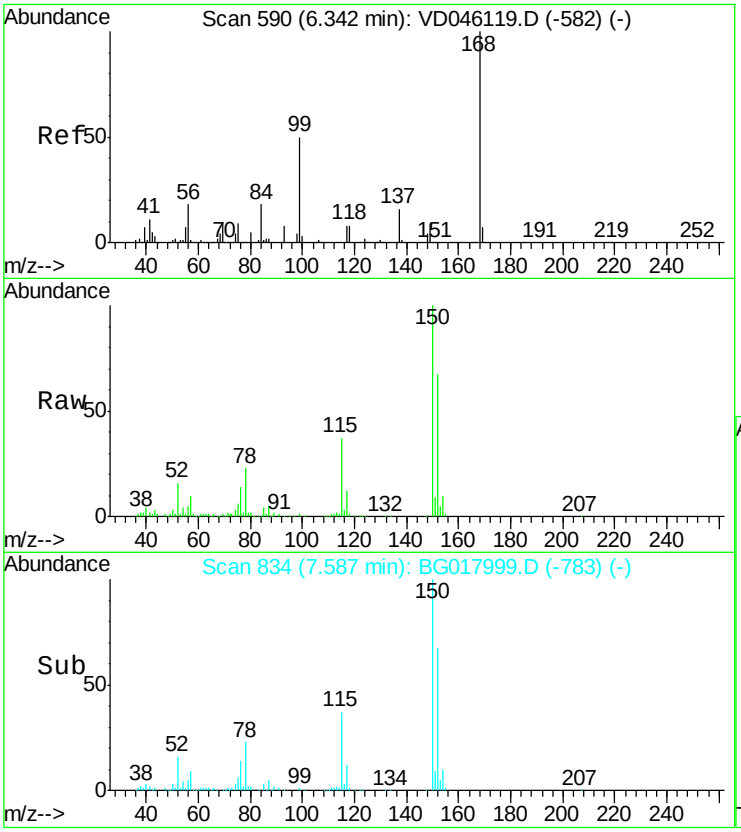
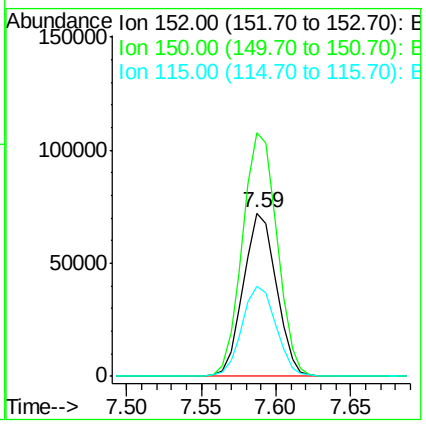




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.59 min Scan# 834
Delta R.T. -0.00 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion:152 Resp: 110458

Ion	Ratio	Lower	Upper
152	100		
150	149.0	119.1	178.7
115	54.7	47.0	70.4



Instrument :
BNA_G
ClientSampleId :
UST-2(0-2)

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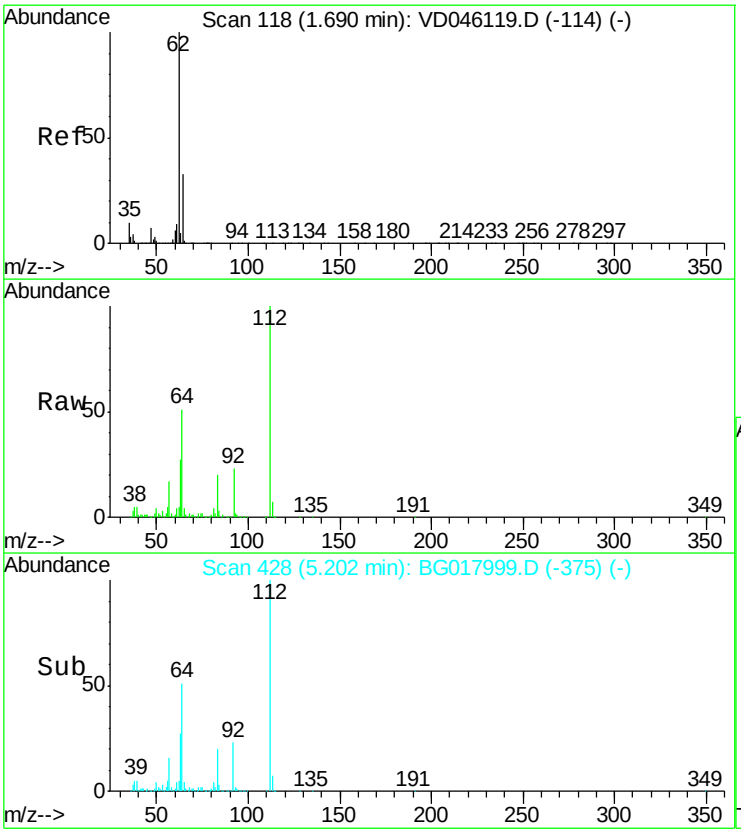
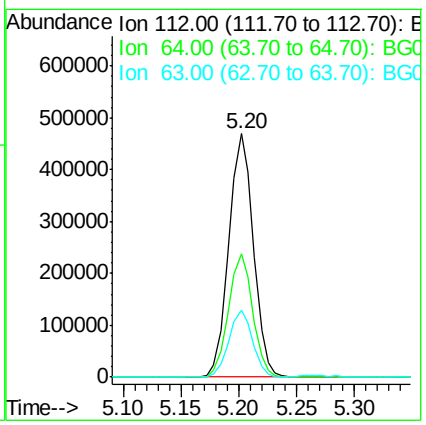
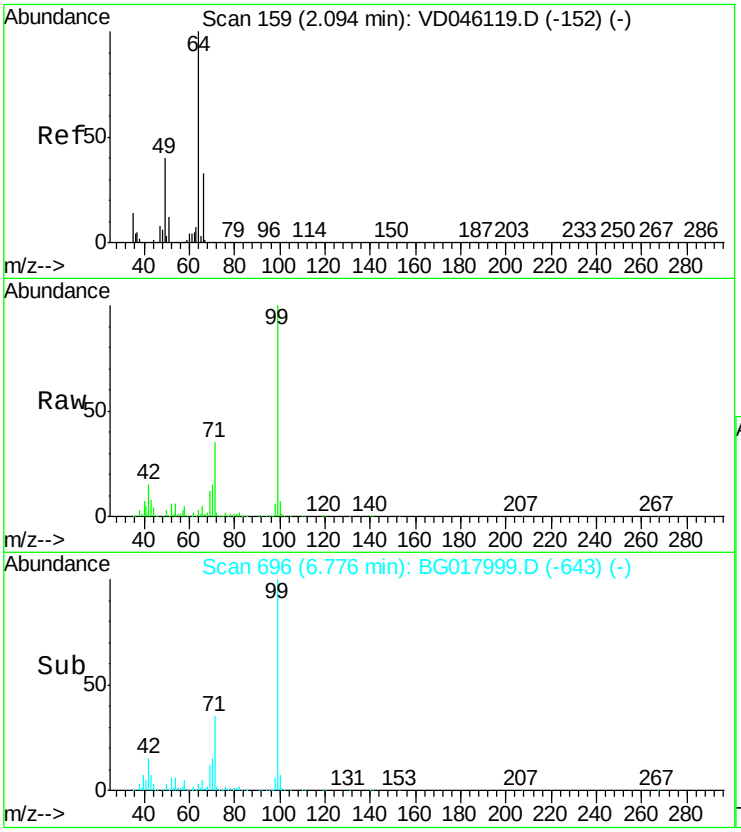


#5
2-Fluorophenol
Concen: Below ng
RT: 5.20 min Scan# 428
Delta R.T. 0.01 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion:112 Resp: 691586

Ion	Ratio	Lower	Upper
112	100		
64	50.8	45.4	68.0
63	27.3	25.3	37.9





#7
Phenol-d6
Concen: Below ng
RT: 6.78 min Scan# 696
Delta R.T. 0.01 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion: 99 Resp: 891903

Ion	Ratio	Lower	Upper
99	100		
42	15.4	16.2	24.4#
71	35.2	29.5	44.3

Instrument :
BNA_G
ClientSampleId :
UST-2(0-2)

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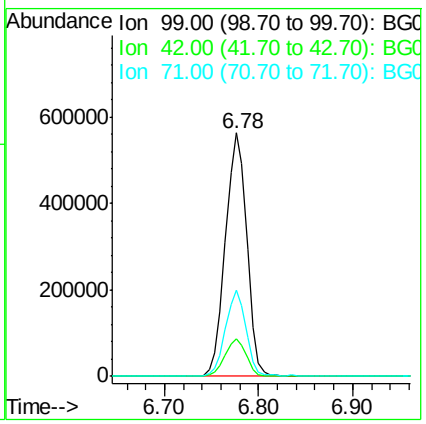
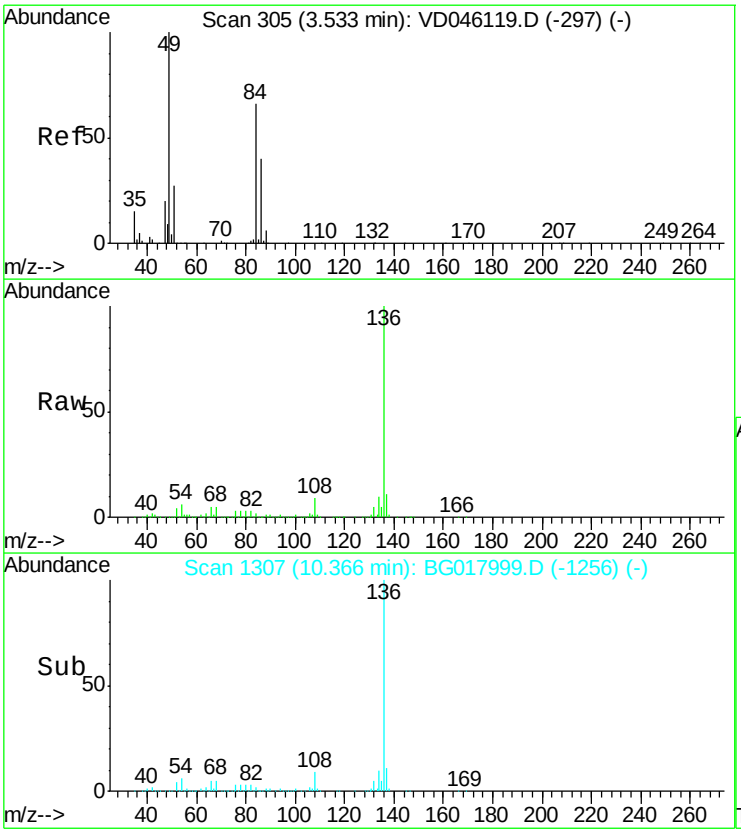
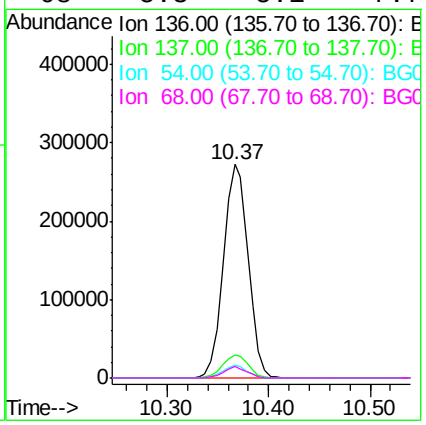


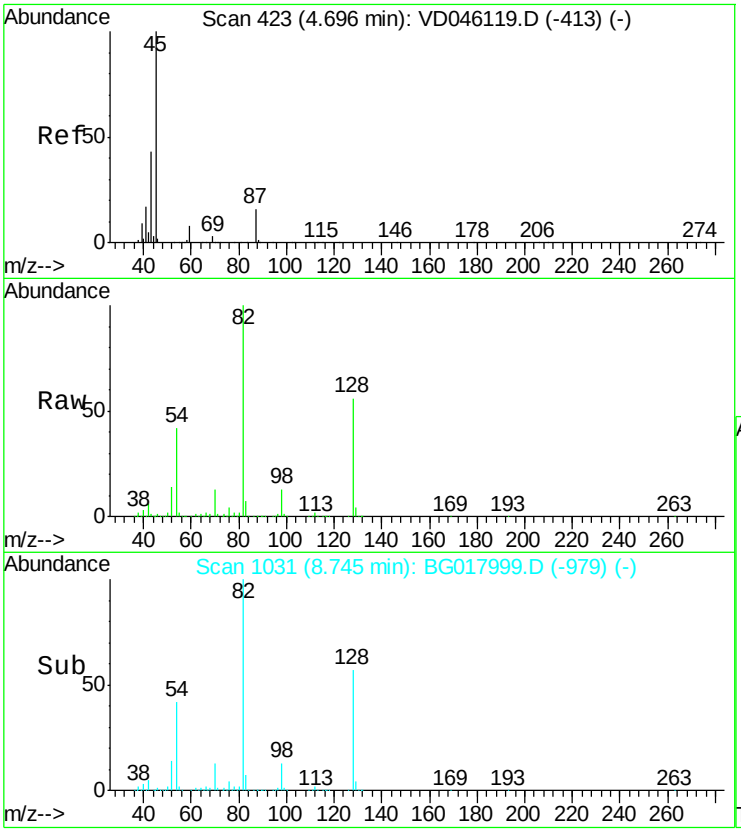


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.37 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion:136 Resp: 457811

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.2	6.6	9.8#
68	5.3	5.1	7.7

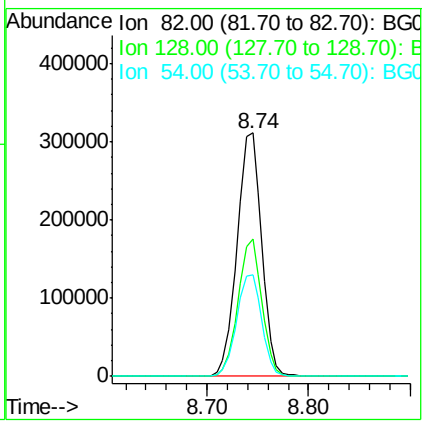




#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 8.74 min Scan# 1031
Delta R.T. 0.01 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion: 82 Resp: 525734

Ion	Ratio	Lower	Upper
82	100		
128	56.5	37.8	56.6
54	41.9	39.9	59.9



Instrument :
BNA_G
ClientSampleId :
UST-2(0-2)

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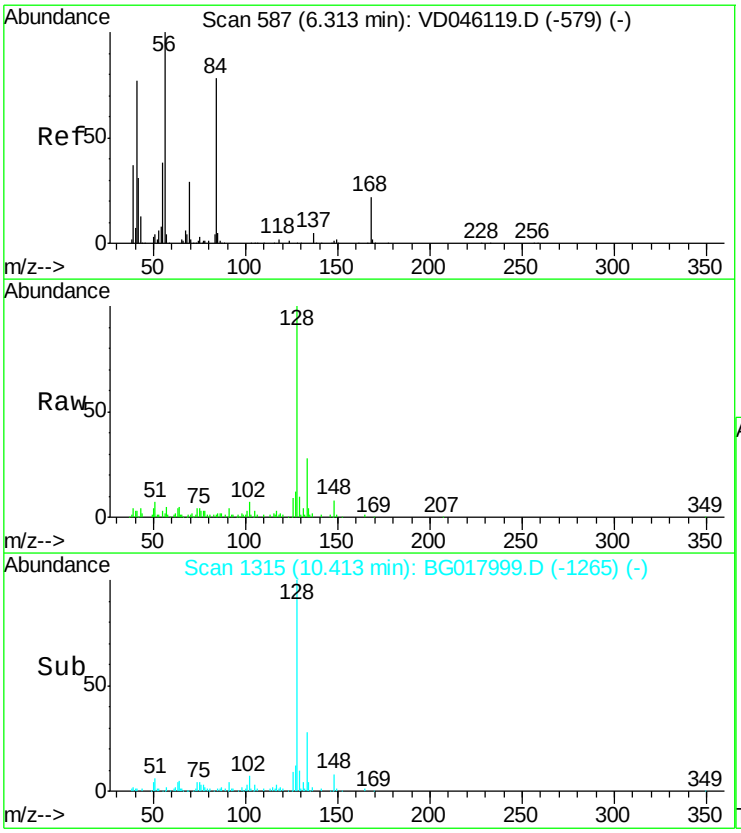
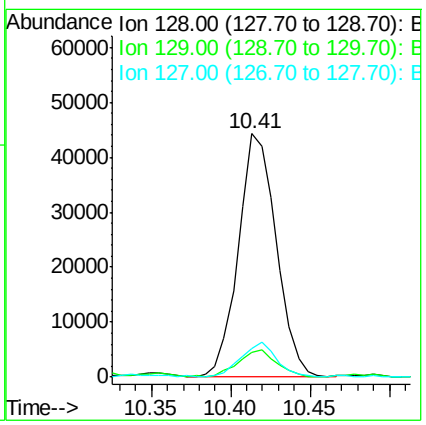
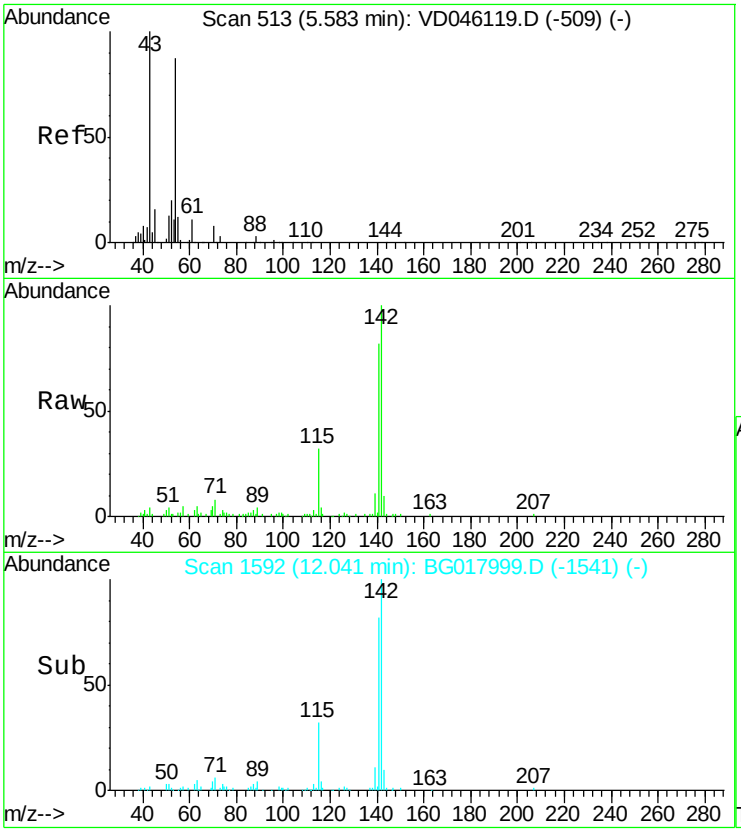


#31
Naphthalene
Concen: 3.29 ng
RT: 10.41 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion:128 Resp: 73722

Ion	Ratio	Lower	Upper
128	100		
129	10.1	9.0	13.6
127	11.5	10.7	16.1

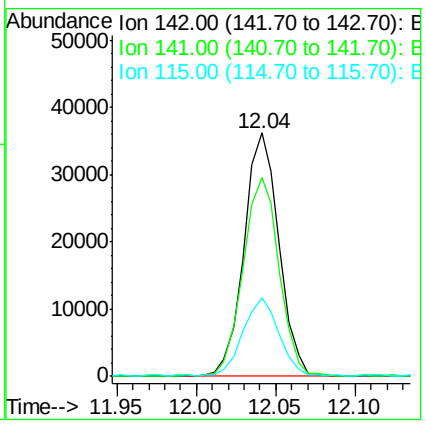




#37
2-Methylnaphthalene
Concen: 3.43 ng
RT: 12.04 min Scan# 1592
Delta R.T. -0.00 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion:142 Resp: 55162

Ion	Ratio	Lower	Upper
142	100		
141	81.8	70.7	106.1
115	32.1	27.8	41.8



Instrument :
BNA_G
ClientSampleId :
UST-2(0-2)

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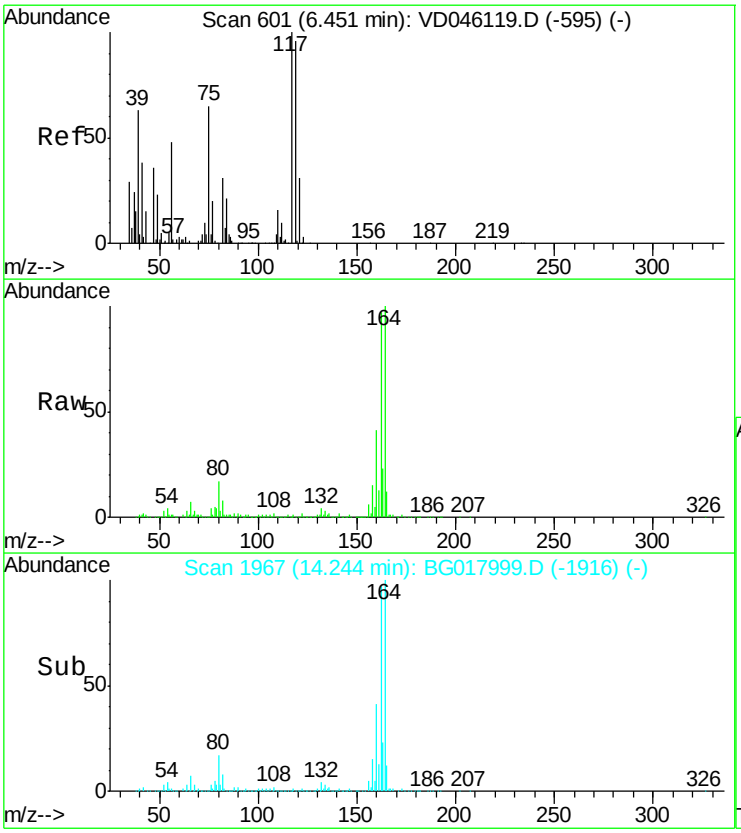
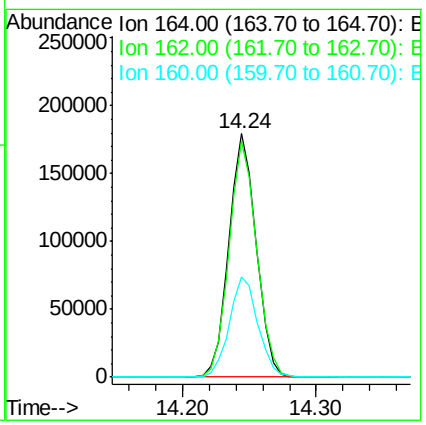
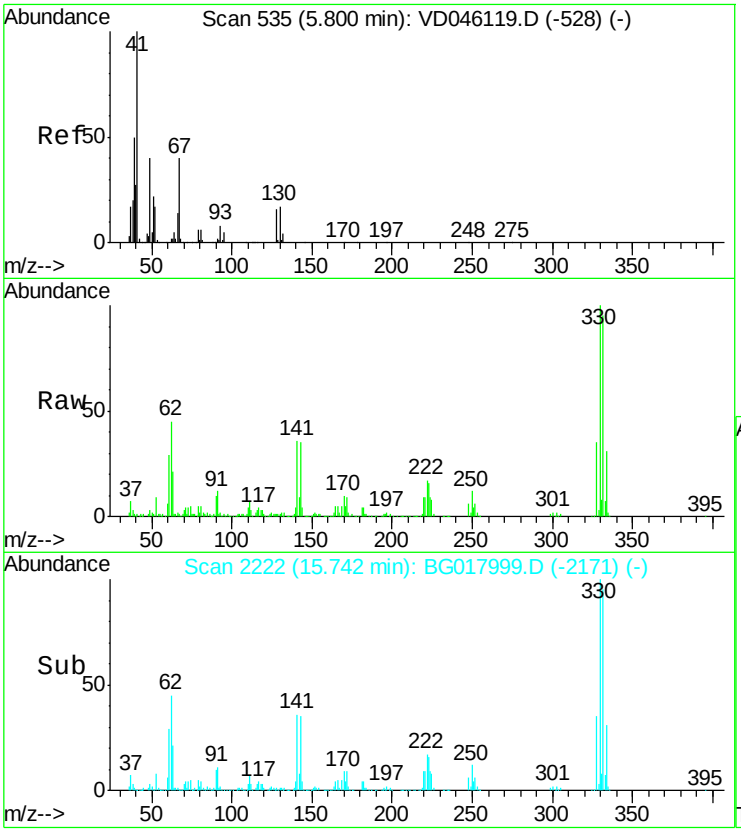


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.24 min Scan# 1967
Delta R.T. -0.00 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion:164 Resp: 256926

Ion	Ratio	Lower	Upper
164	100		
162	96.6	76.3	114.5
160	41.0	33.7	50.5





#41
2,4,6-Tribromophenol
Concen: N.D. ng
RT: 15.74 min Scan# 2222
Delta R.T. -0.00 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion:330 Resp: 318786

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.8	115.2
141	35.5	38.0	57.0#

Instrument :
BNA_G
ClientSampleId :
UST-2(0-2)

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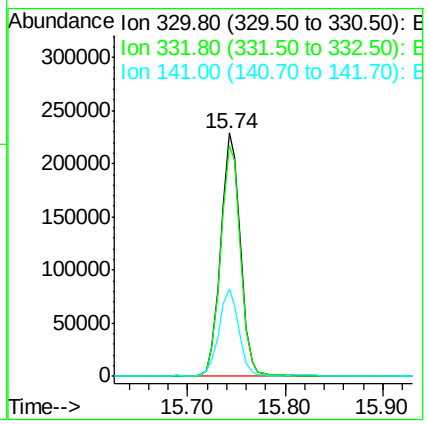
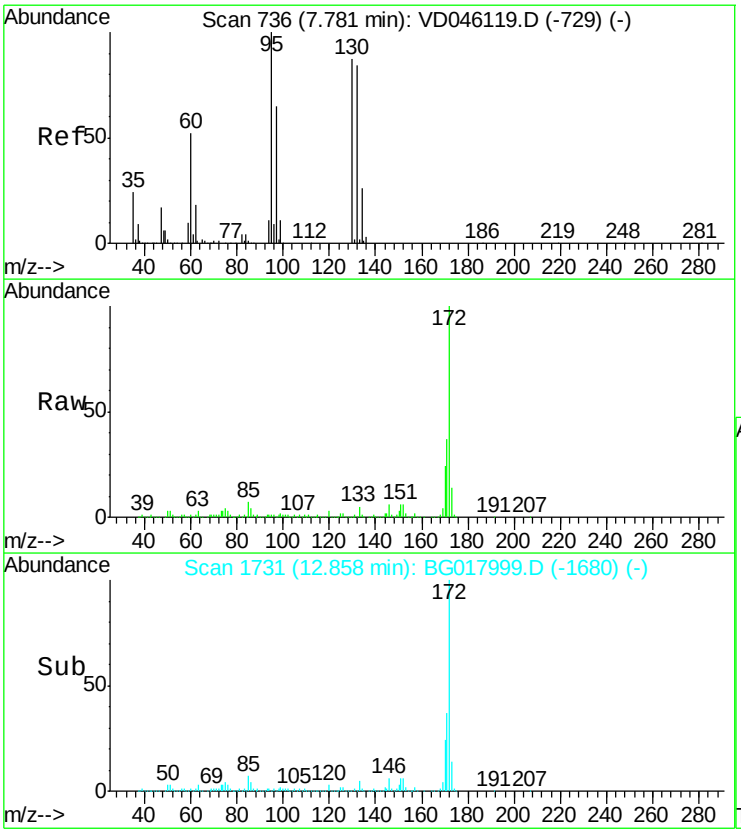
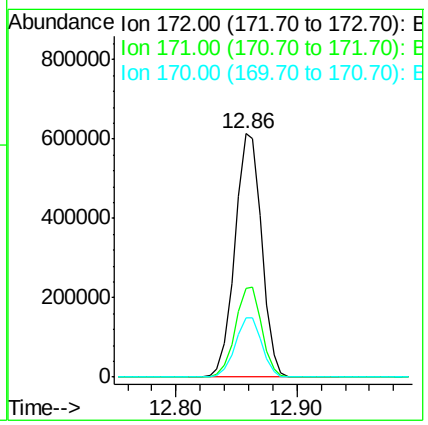


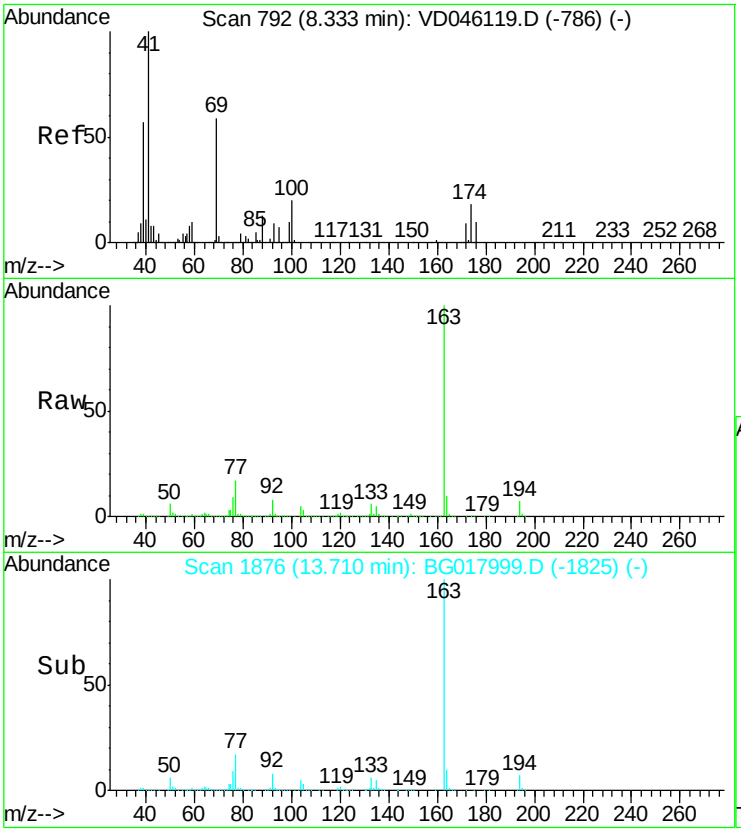


#44
2-Fluorobiphenyl
Concen: Below ng
RT: 12.86 min Scan# 1731
Delta R.T. -0.00 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion:172 Resp: 945436

Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.7	46.1
170	24.3	19.7	29.5

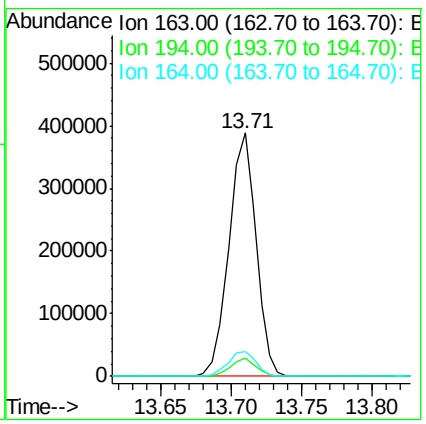




#49
Dimethylphthalate
Concen: 29.13 ng
RT: 13.71 min Scan# 1876
Delta R.T. -0.00 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion:163 Resp: 519960

Ion	Ratio	Lower	Upper
163	100		
194	7.3	5.8	8.6
164	10.3	8.3	12.5



Instrument :
BNA_G
ClientSampleId :
UST-2(0-2)

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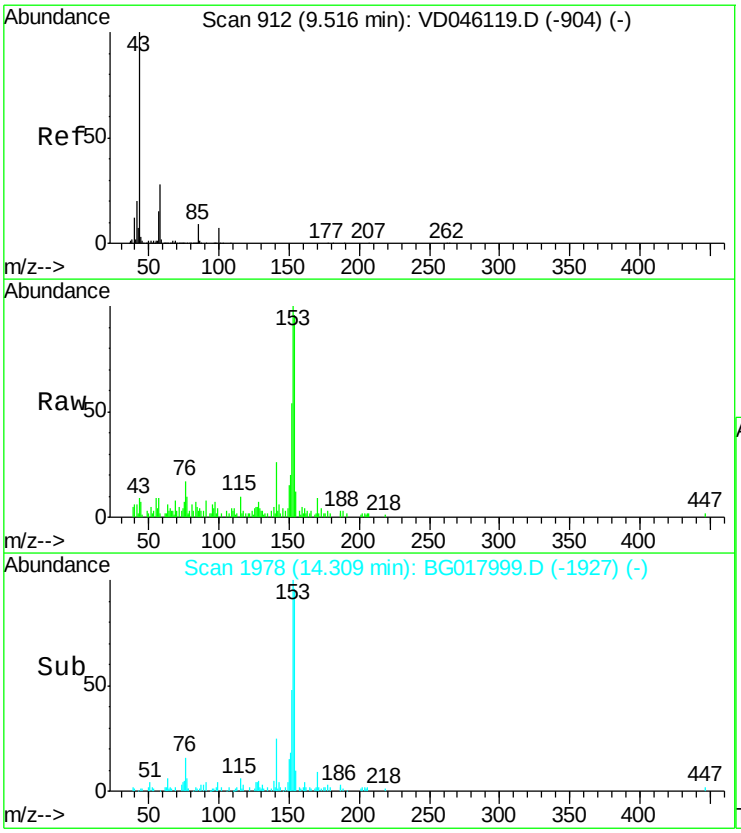
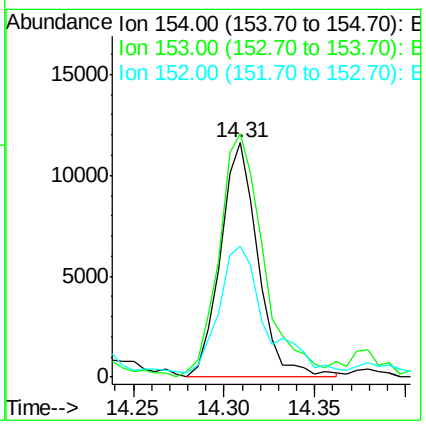
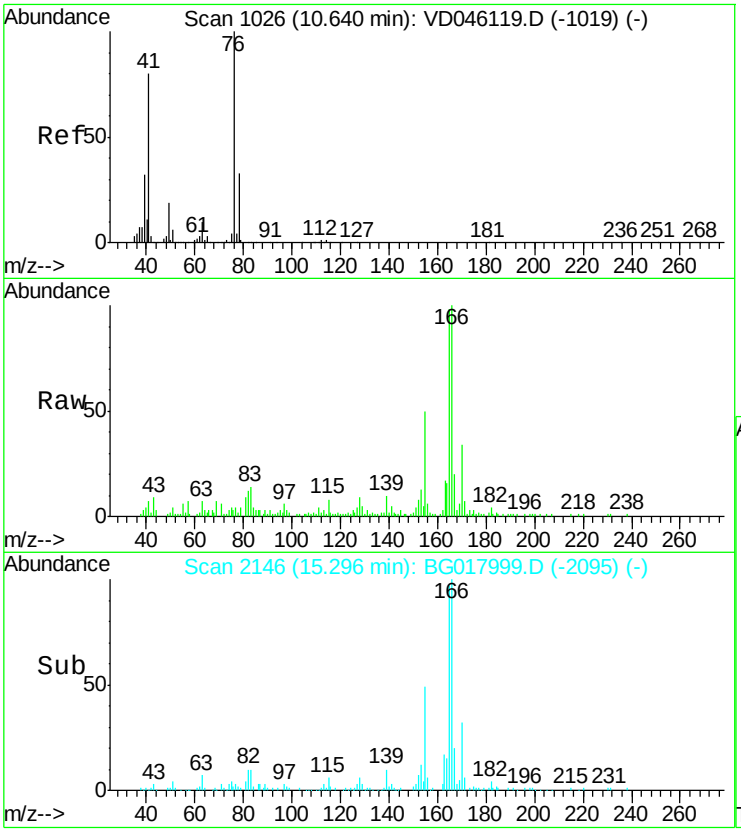


#51
Acenaphthene
Concen: 1.13 ng
RT: 14.31 min Scan# 1978
Delta R.T. -0.00 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion:154 Resp: 16636

Ion	Ratio	Lower	Upper
154	100		
153	103.9	87.0	130.4
152	56.1	41.4	62.0





#57
Fluorene
Concen: 1.82 ng
RT: 15.30 min Scan# 2146
Delta R.T. -0.00 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion:166 Resp: 33159

Ion	Ratio	Lower	Upper
166	100		
165	97.9	73.4	110.0
167	20.1	11.0	16.6#

Instrument :
BNA_G
ClientSampleId :
UST-2(0-2)

Manual Integrations APPROVED
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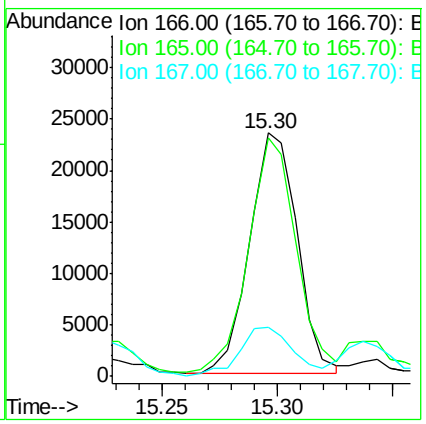
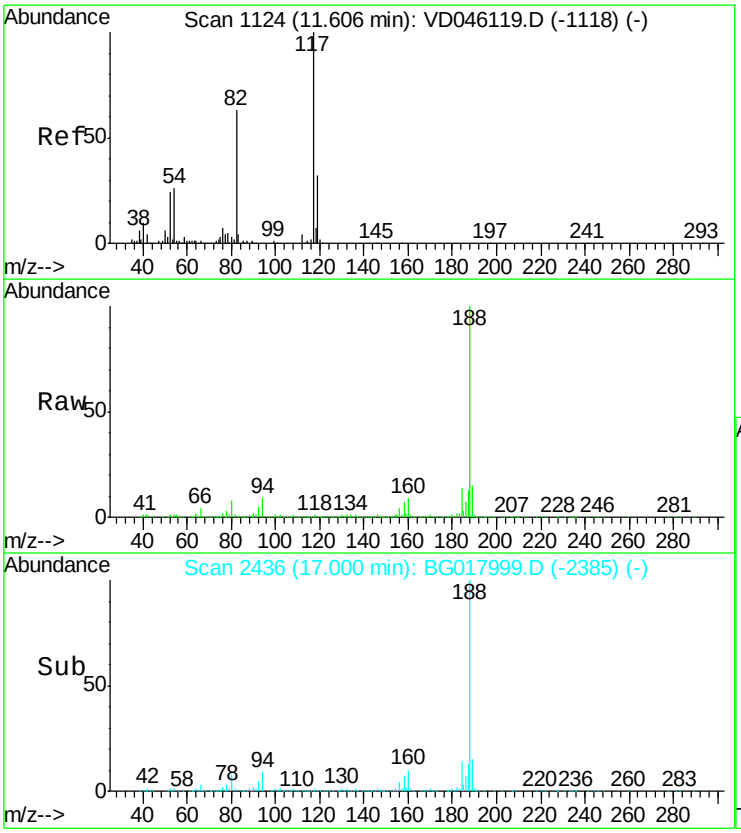
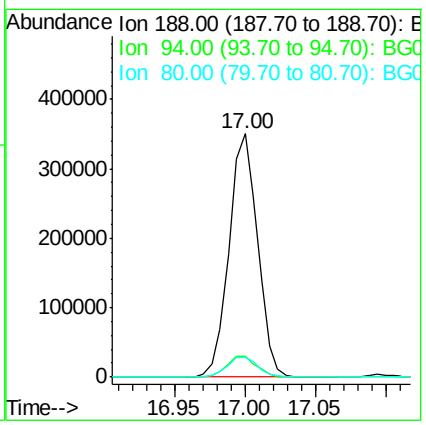


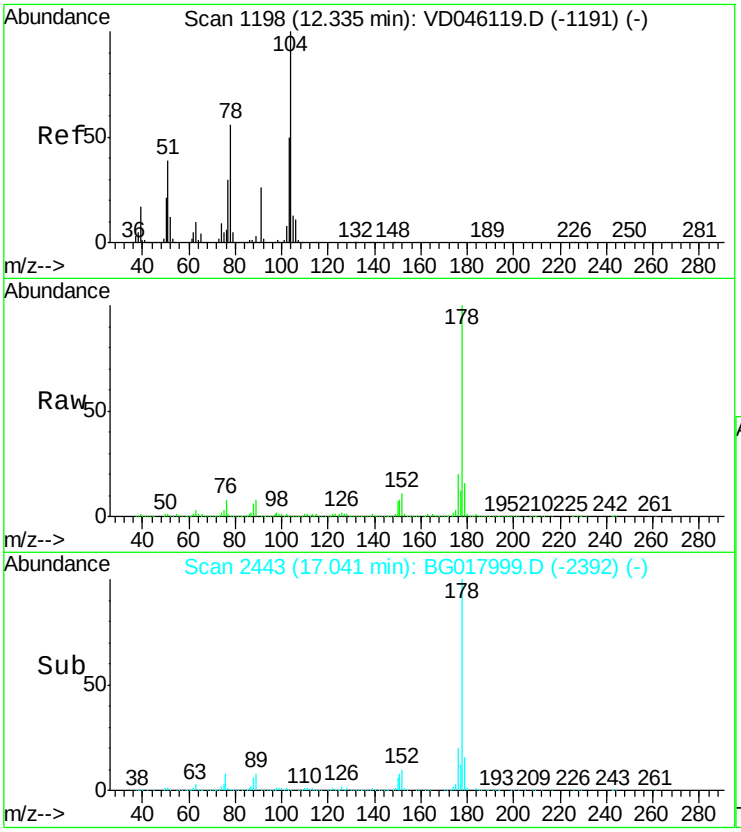


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.00 min Scan# 2436
Delta R.T. -0.00 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion:188 Resp: 492436

Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.2	12.2
80	7.9	8.2	12.4#

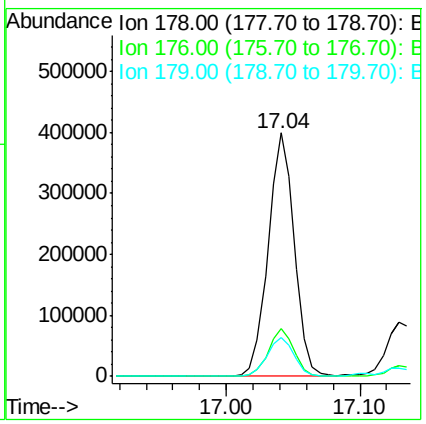




#70
Phenanthrene
Concen: 21.41 ng
RT: 17.04 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion:178 Resp: 543706

Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.5	24.7
179	16.2	13.5	20.3



Instrument :
BNA_G
ClientSampleId :
UST-2(0-2)

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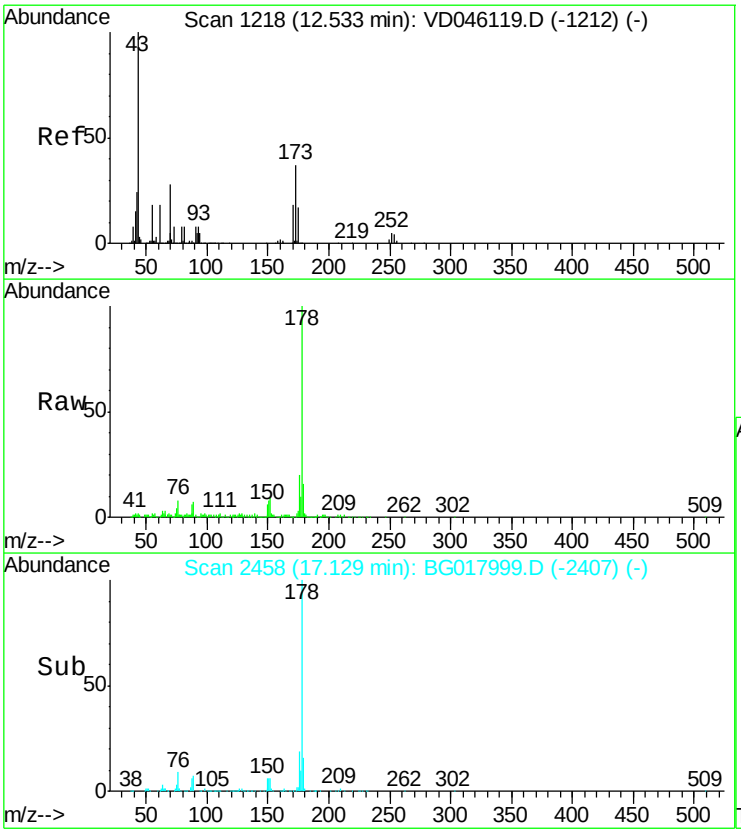
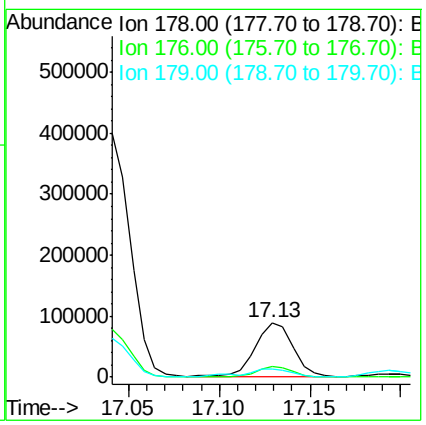
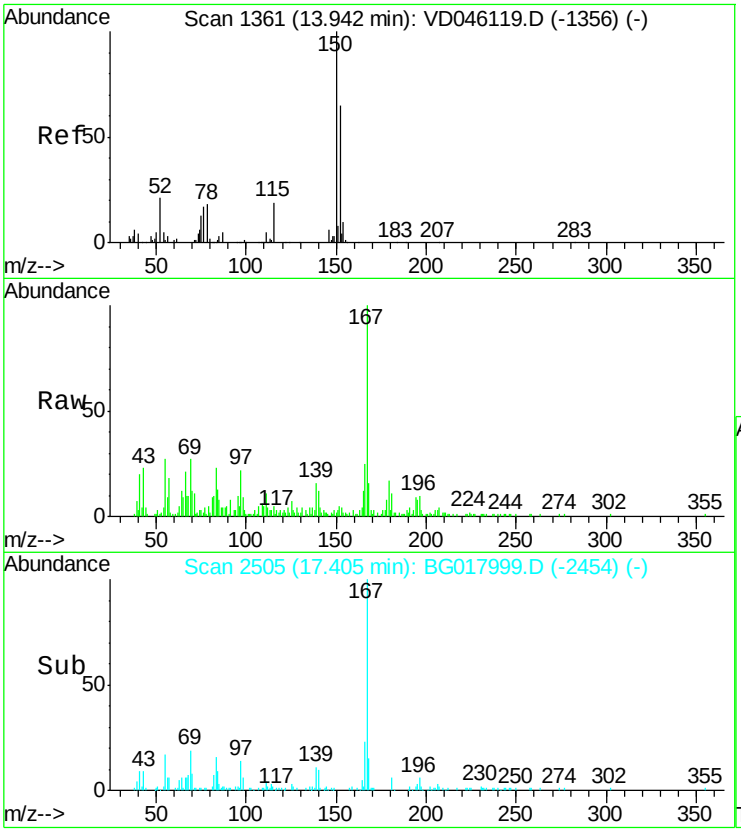


#71
Anthracene
Concen: 5.13 ng
RT: 17.13 min Scan# 2458
Delta R.T. -0.00 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion:178 Resp: 126684

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.2	22.8
179	15.9	13.6	20.4

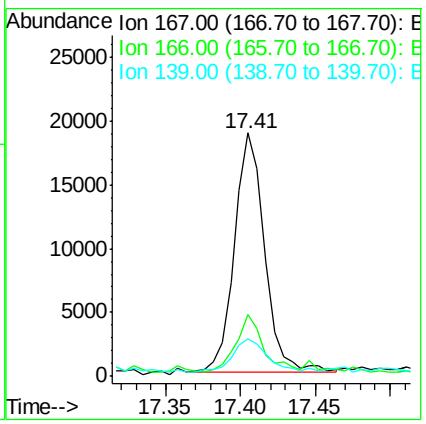




#72
Carbazole
Concen: 1.12 ng
RT: 17.41 min Scan# 2505
Delta R.T. -0.00 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion:167 Resp: 26224

Ion	Ratio	Lower	Upper
167	100		
166	25.3	18.3	27.5
139	15.6	11.9	17.9



Instrument :
BNA_G
ClientSampleId :
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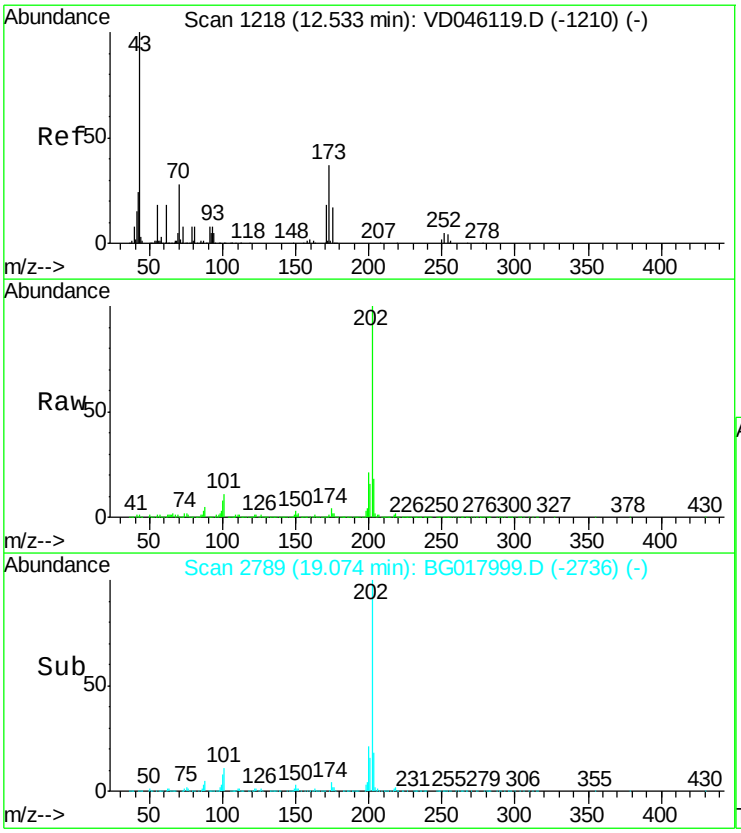
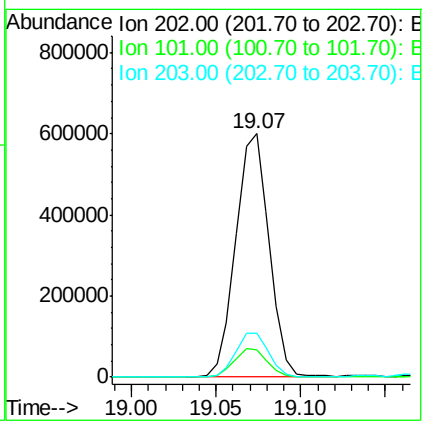
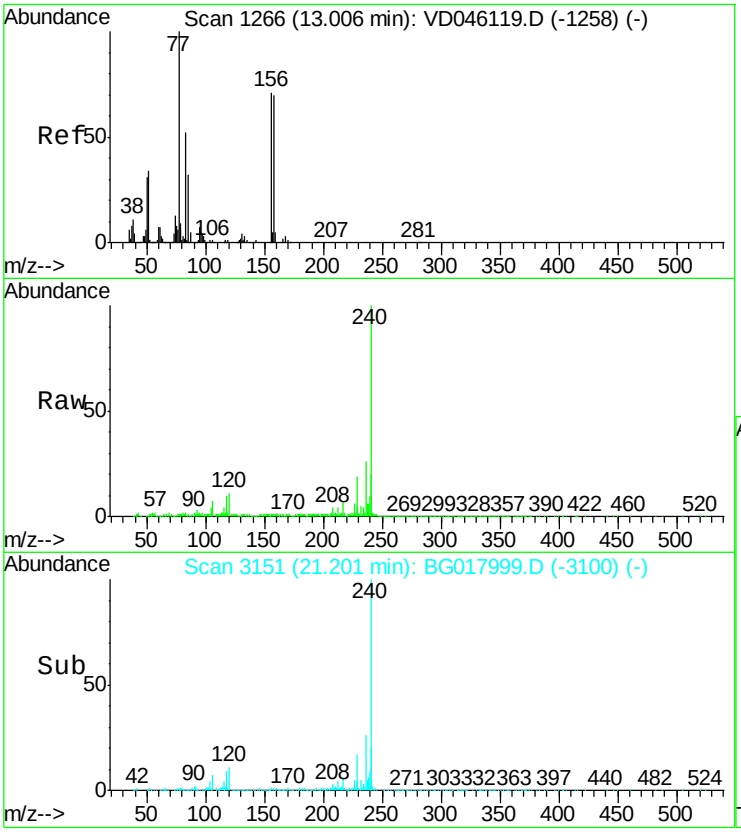


#74
Fluoranthene
Concen: 29.59 ng
RT: 19.07 min Scan# 2789
Delta R.T. 0.01 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion:202 Resp: 822906

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	33.3
203	18.3	0.0	39.5

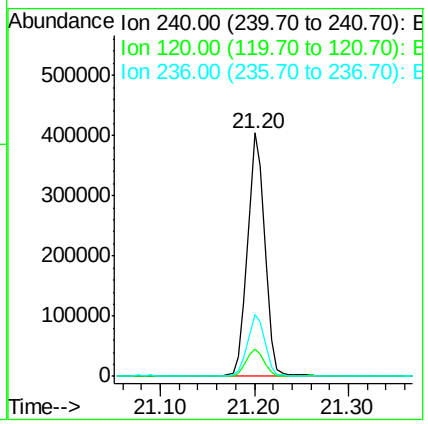




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.20 min Scan# 3151
Delta R.T. -0.00 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion:240 Resp: 515532

Ion	Ratio	Lower	Upper
240	100		
120	11.4	10.8	16.2
236	25.6	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
UST-2(0-2)

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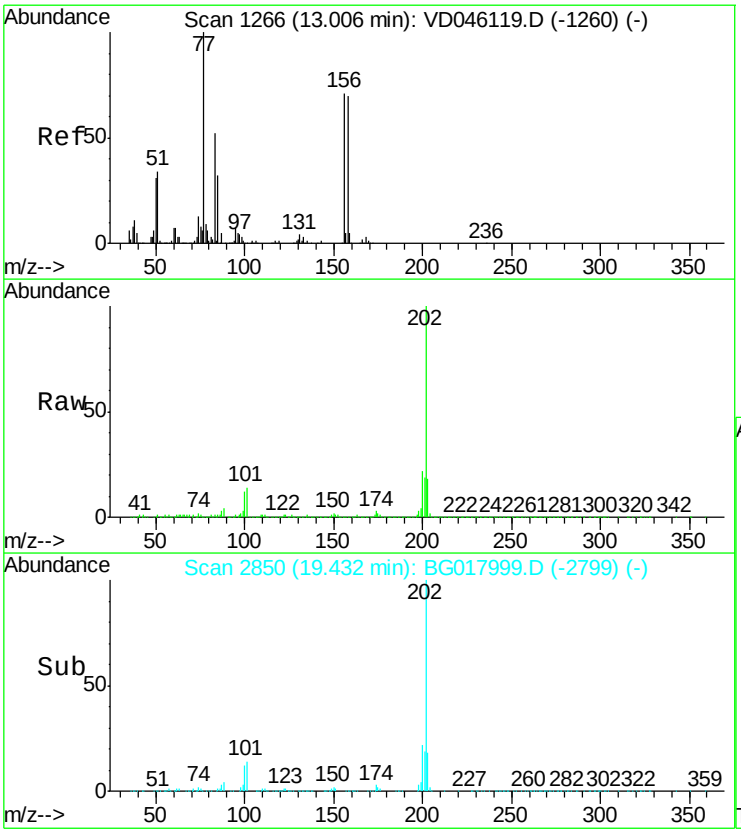
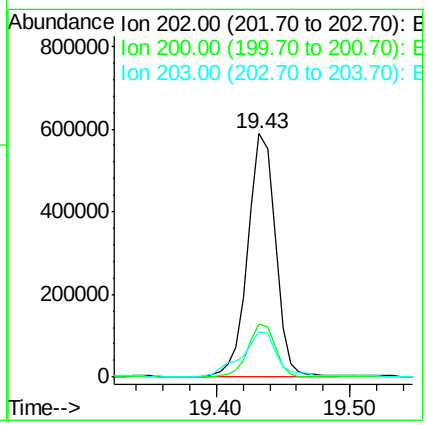
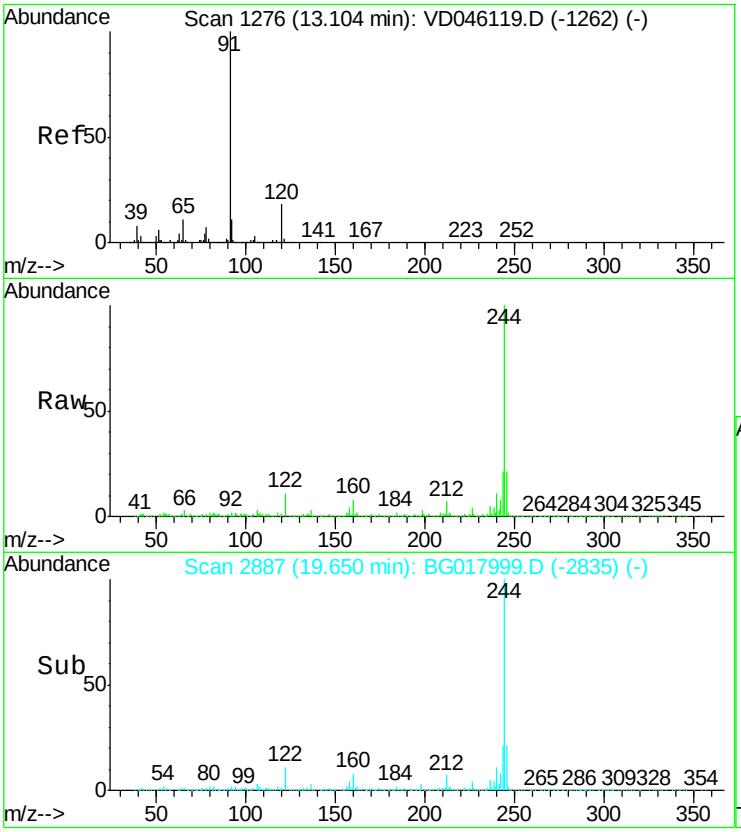


#77
Pyrene
Concen: 29.21 ng
RT: 19.43 min Scan# 2850
Delta R.T. -0.00 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion:202 Resp: 839917

Ion	Ratio	Lower	Upper
202	100		
200	22.0	18.8	28.2
203	18.4	15.9	23.9





#78
Terphenyl-d14
Concen: 29.21 ng
RT: 19.65 min Scan# 2887
Delta R.T. 0.01 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion:244 Resp: 1055838

Ion	Ratio	Lower	Upper
244	100		
212	7.4	7.2	10.8
122	10.9	12.8	19.2#

Instrument :
BNA_G
ClientSampleId :
UST-2(0-2)

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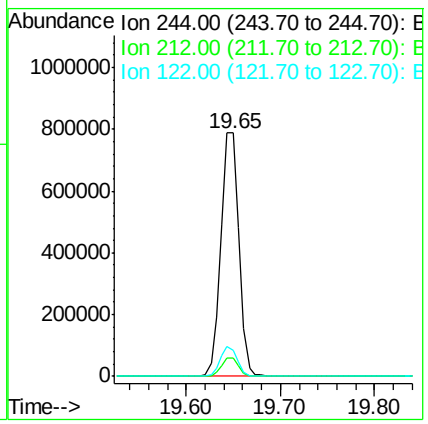
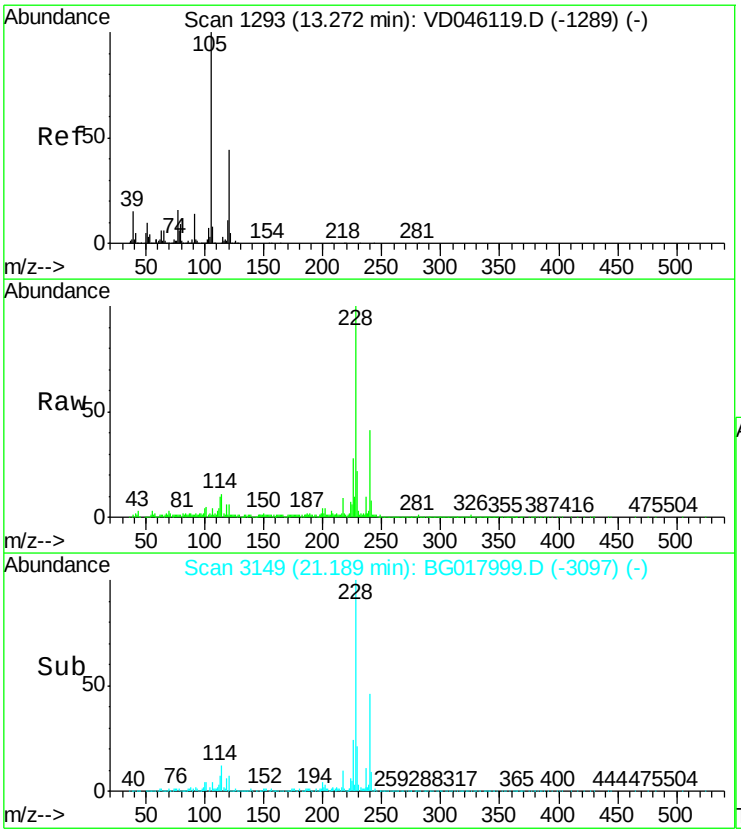
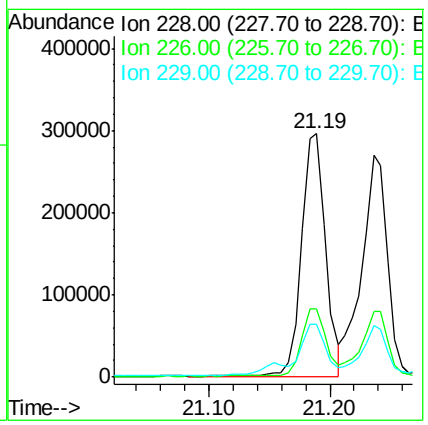


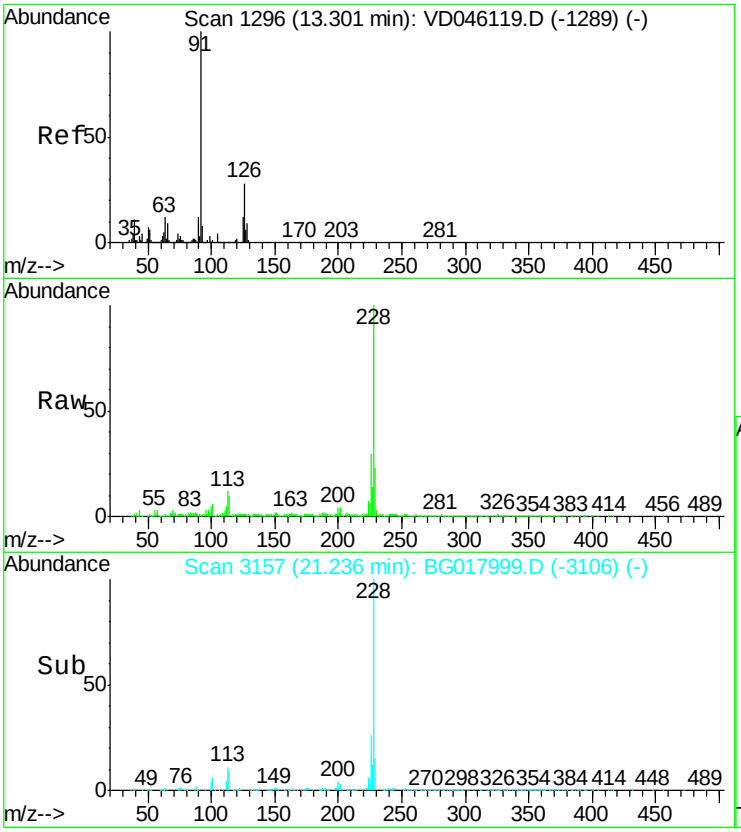


#80
Benzo(a)anthracene
Concen: 15.15 ng
RT: 21.19 min Scan# 3149
Delta R.T. 0.01 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion:228 Resp: 412597

Ion	Ratio	Lower	Upper
228	100		
226	27.9	23.1	34.7
229	21.5	17.4	26.0





#82
Chrysene
Concen: 15.26 ng
RT: 21.24 min Scan# 3157
Delta R.T. -0.00 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion:228 Resp: 395824

Ion	Ratio	Lower	Upper
228	100		
226	29.6	26.1	39.1
229	23.1	17.7	26.5

Instrument :
BNA_G
ClientSampleId :
UST-2(0-2)

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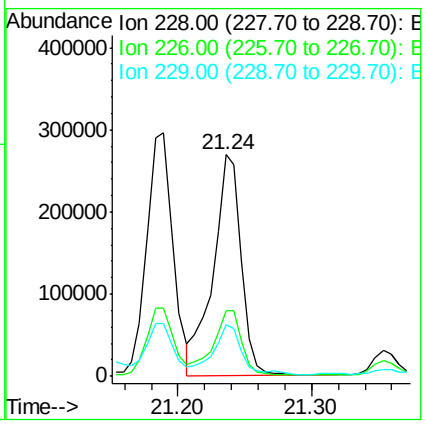
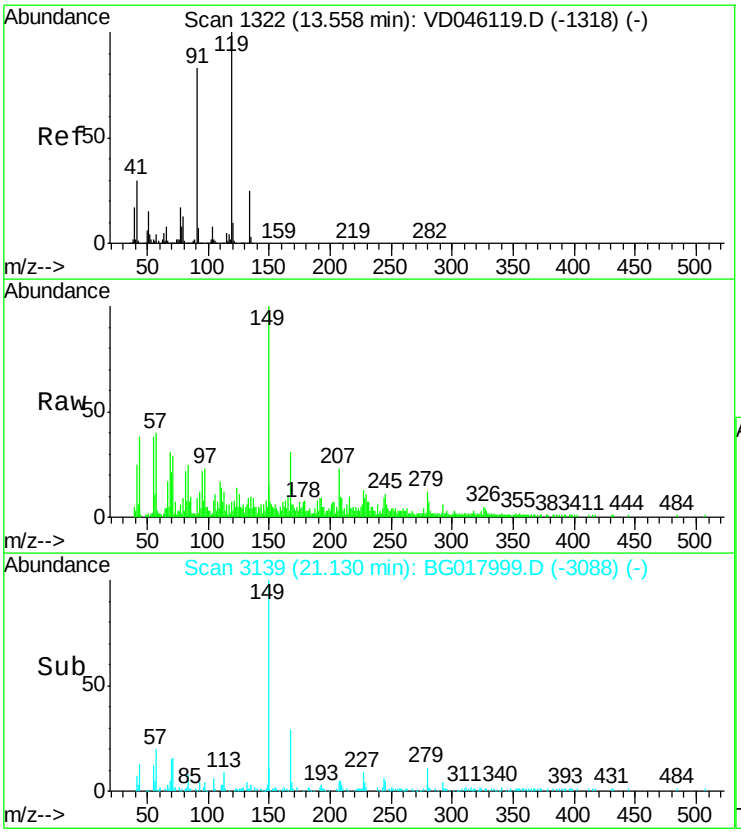
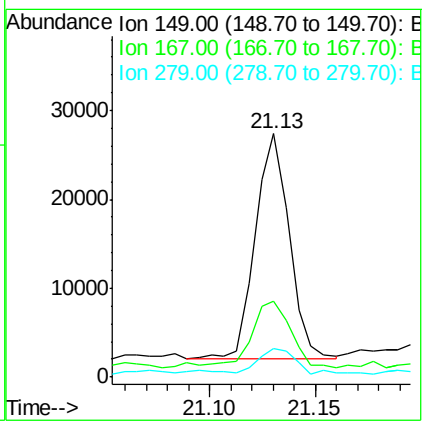


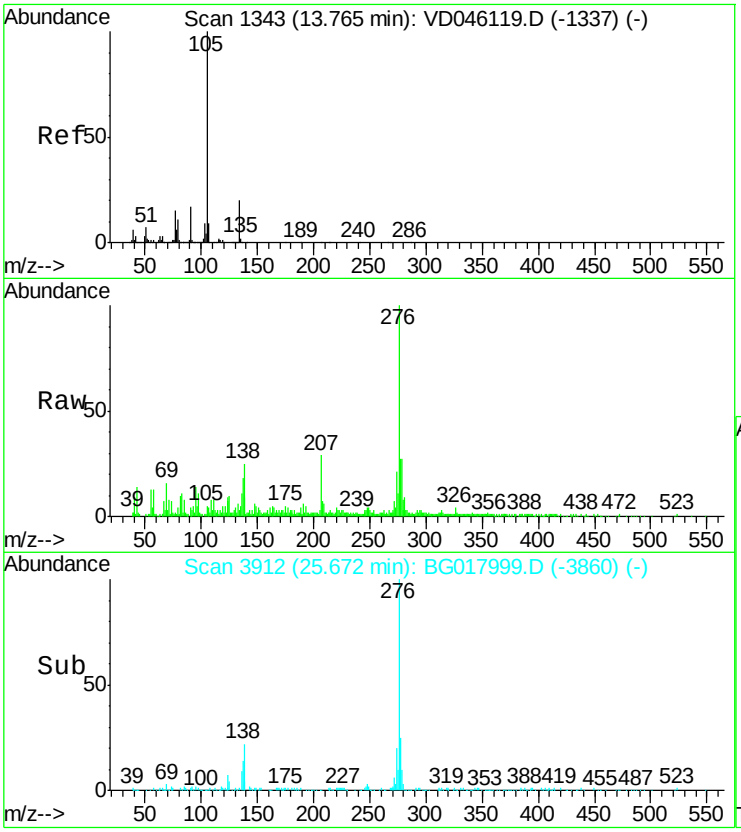


#83
Bis(2-ethylhexyl)phthalate
Concen: 1.60 ng
RT: 21.13 min Scan# 3139
Delta R.T. -0.00 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion:149 Resp: 28432

Ion	Ratio	Lower	Upper
149	100		
167	31.4	26.6	39.8
279	11.8	6.9	10.3#





#85
Indeno(1,2,3-cd)pyrene
Concen: 4.64 ng
RT: 25.67 min Scan# 3912
Delta R.T. 0.01 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion:276 Resp: 145430

Ion	Ratio	Lower	Upper
276	100		
138	23.0	25.4	38.0#
277	22.3	21.0	31.4

Instrument :
BNA_G
ClientSampleId :
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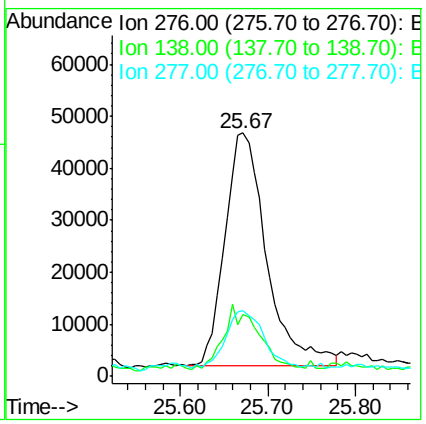
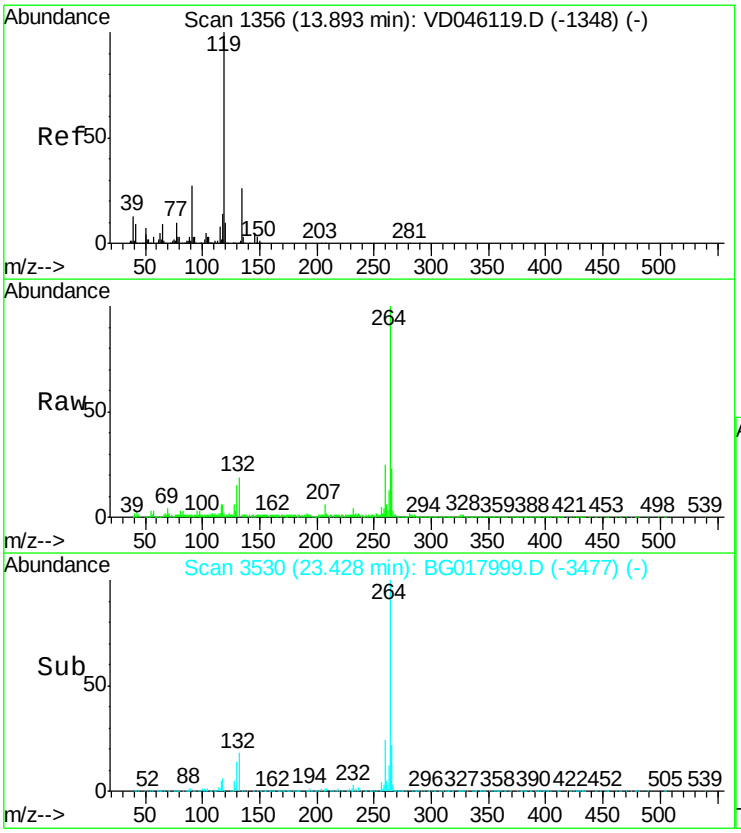
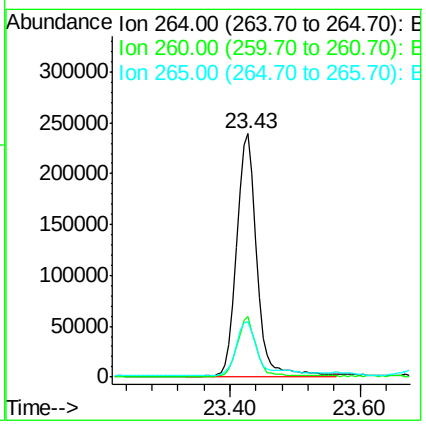


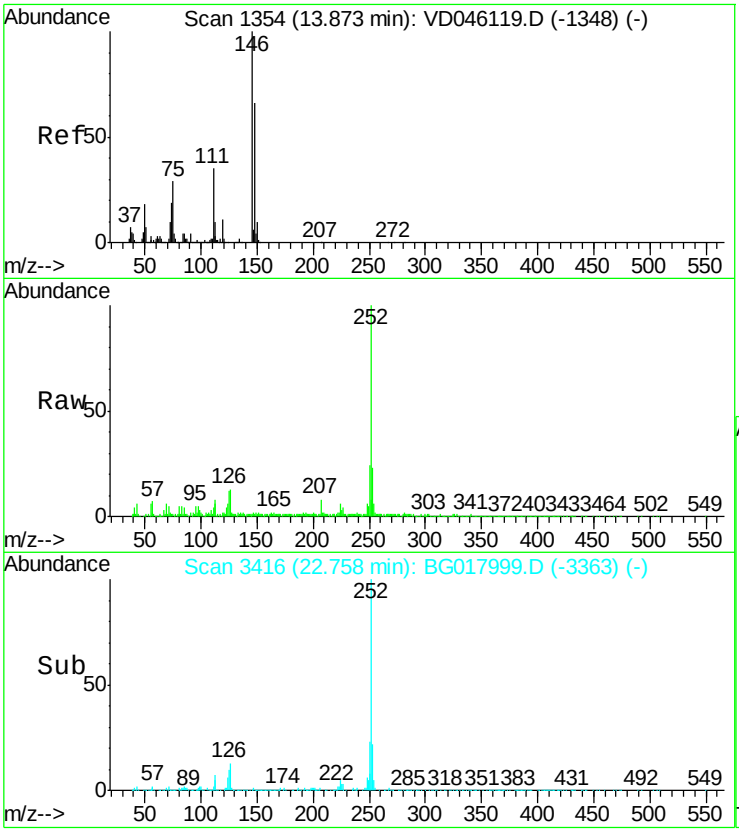


#86
Perylene-d12
Concen: 20.00 ng
RT: 23.43 min Scan# 3530
Delta R.T. 0.01 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion:264 Resp: 511794

Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.6	27.8
265	23.0	18.2	27.2

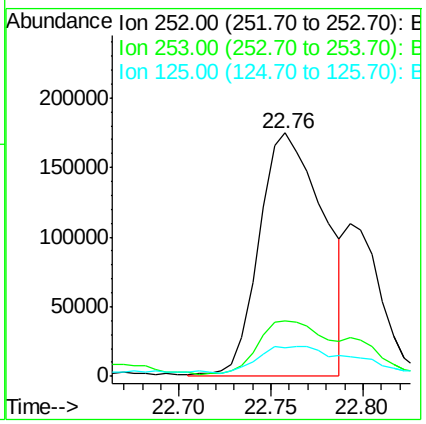




#87
Benzo(b)fluoranthene
Concen: 15.30 ng m
RT: 22.76 min Scan# 3416
Delta R.T. 0.01 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion:252 Resp: 428557

Ion	Ratio	Lower	Upper
252	100		
253	22.6	19.7	29.5
125	12.0	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
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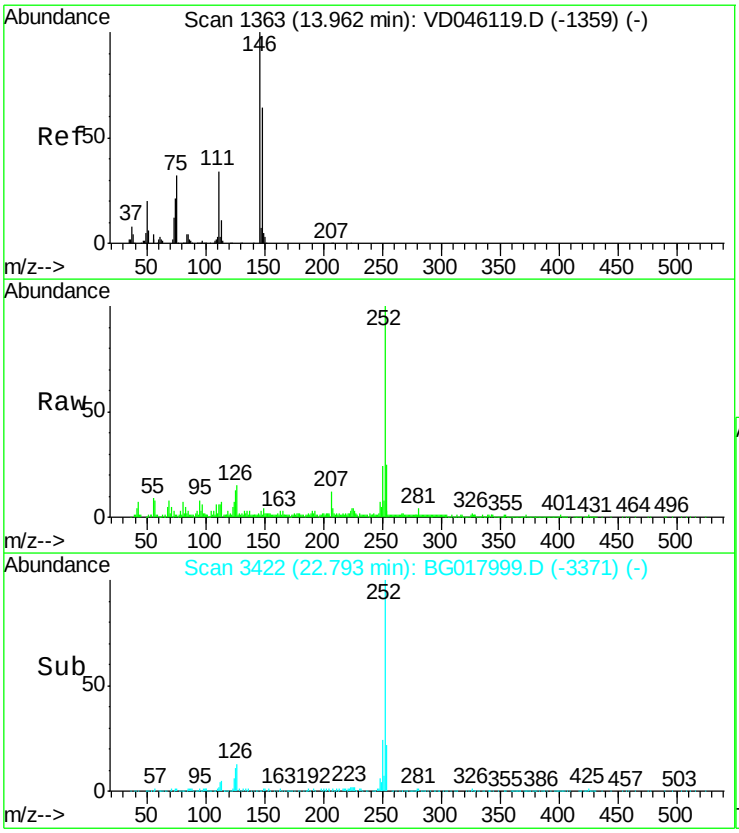
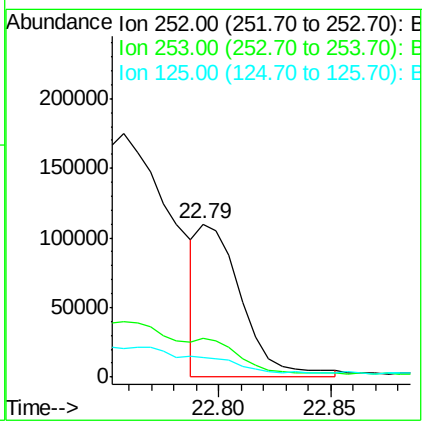
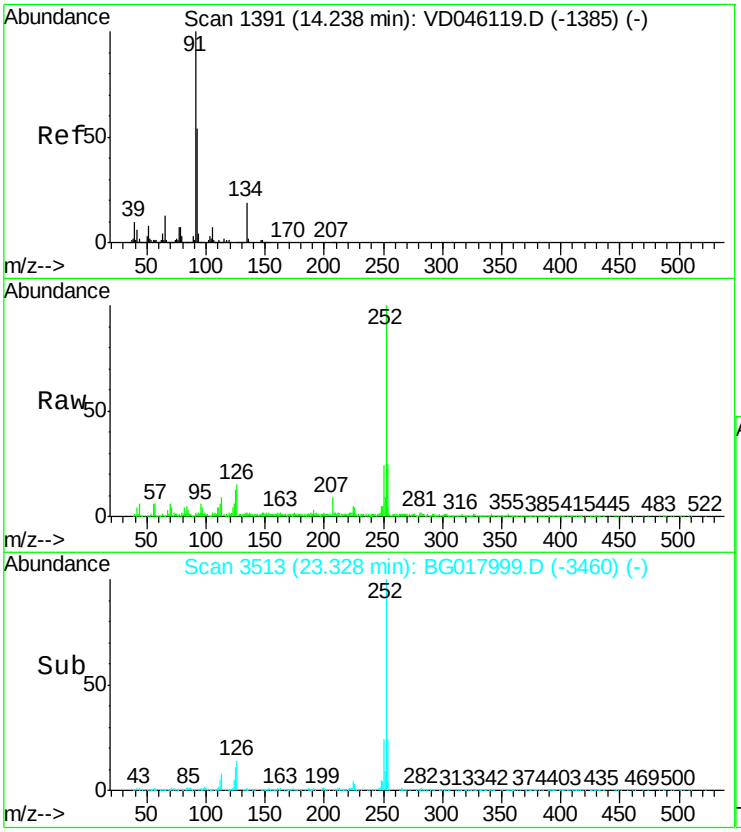


#88
Benzo(k)fluoranthene
Concen: 5.36 ng m
RT: 22.79 min Scan# 3422
Delta R.T. -0.00 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion:252 Resp: 149801

Ion	Ratio	Lower	Upper
252	100		
253	25.1	19.0	28.6
125	12.9	10.3	15.5





#89
Benzo(a)pyrene
Concen: 12.76 ng
RT: 23.33 min Scan# 3513
Delta R.T. 0.01 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Instrument :
BNA_G
ClientSampleId :
UST-2(0-2)

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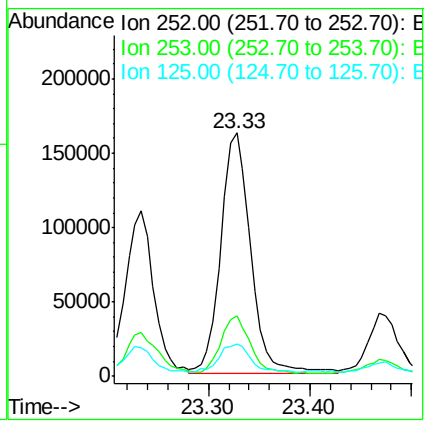
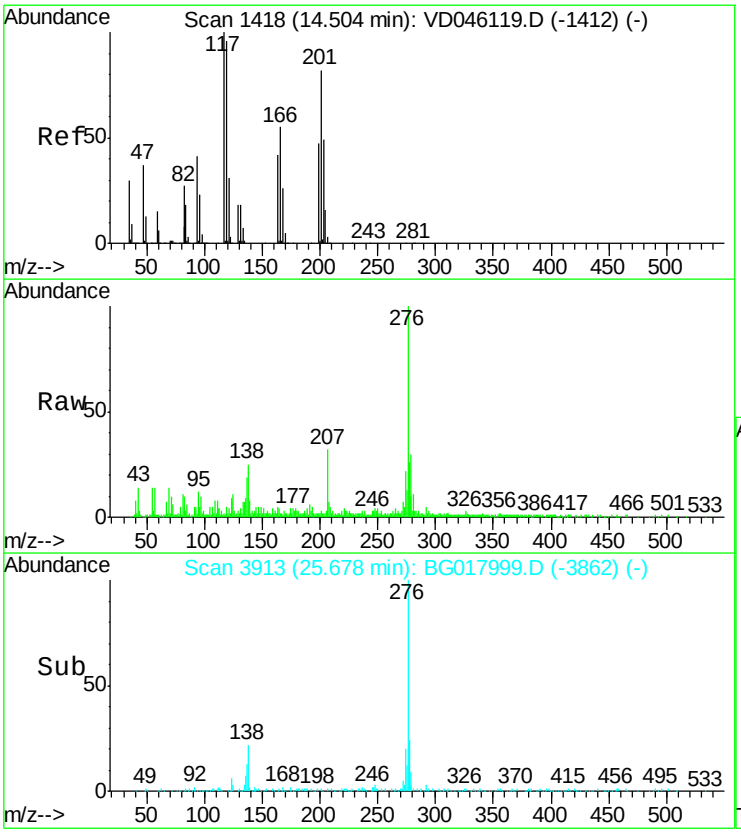
Tgt Ion:252 Resp: 333018

Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.0	28.6
125	13.2	11.1	16.7

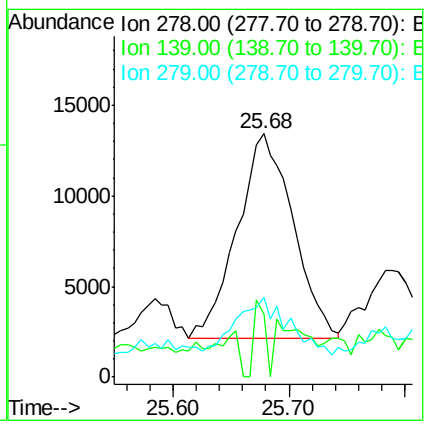


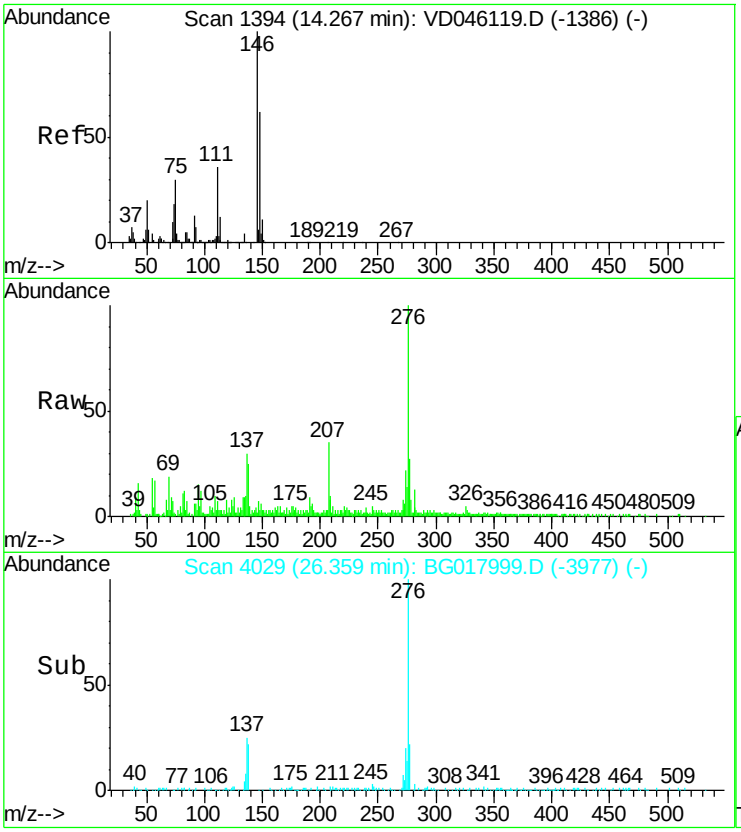


#90
Dibenzo(a,h)anthracene
Concen: 1.40 ng
RT: 25.68 min Scan# 3913
Delta R.T. -0.00 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion:278 Resp: 37862

Ion	Ratio	Lower	Upper
278	100		
139	25.9	16.2	24.2#
279	32.7	19.9	29.9#

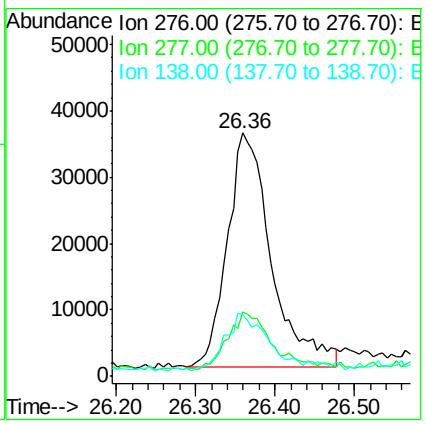




#91
Benzo(g,h,i)perylene
Concen: 5.21 ng
RT: 26.36 min Scan# 4029
Delta R.T. 0.01 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion:276 Resp: 136001

Ion	Ratio	Lower	Upper
276	100		
277	26.6	18.9	28.3
138	25.3	20.8	31.2



Instrument :
BNA_G
ClientSampleId :
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