Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080718\
Data File : BM016232.D
Acq On : 08 Aug 2018 00:31
Operator : SJ/JU
Sample : J4345-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
RBR200035

Manual Integrations APPROVED
Sohil
8/8/2018 5:35:09 PM

Quant Time: Aug 08 09:24:24 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 07 16:15:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	50938	20.00	ng		0.00
21) Naphthalene-d8	10.95	136	220352	20.00	ng		0.00
38) Acenaphthene-d10	14.77	164	128267	20.00	ng		0.00
63) Phenanthrene-d10	17.51	188	297882	20.00	ng		0.00
75) Chrysene-d12	21.64	240	358946	20.00	ng		0.00
86) Perylene-d12	23.98	264	303802	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.66	112	364774	118.95	ng		0.00
7) Phenol-d6	7.30	99	504924	126.08	ng		0.00
23) Nitrobenzene-d5	9.32	82	351750	74.25	ng		0.00
41) 2,4,6-Tribromophenol	16.26	330	195842	120.38	ng		0.00
44) 2-Fluorobiphenyl	13.39	172	778530	73.85	ng		0.00
78) Terphenyl-d14	20.09	244	1505734	87.81	ng		0.00
Target Compounds							Qvalue
49) Dimethylphthalate	14.23	163	58173	5.182	ng		99
57) Fluorene	15.82	166	37459	3.774	ng		96
70) Phenanthrene	17.55	178	583740	35.002	ng		99
71) Anthracene	17.64	178	141042	8.702	ng		98
74) Fluoranthene	19.54	202	1053670	56.640	ng		98
77) Pyrene	19.90	202	845629	39.312	ng		99
80) Benzo(a)anthracene	21.62	228	478450	21.642	ng		100
82) Chrysene	21.67	228	391239m	18.448	ng		
85) Indeno(1,2,3-cd)pyrene	26.36	276	177788	7.065	ng		97
87) Benzo(b)fluoranthene	23.27	252	472234	26.401	ng	#	96
88) Benzo(k)fluoranthene	23.31	252	148728m	8.204	ng		
89) Benzo(a)pyrene	23.88	252	312454	18.171	ng		99
90) Dibenzo(a,h)anthracene	26.36	278	50651	2.843	ng	#	91
91) Benzo(g,h,i)perylene	27.10	276	159800	9.484	ng	#	89

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

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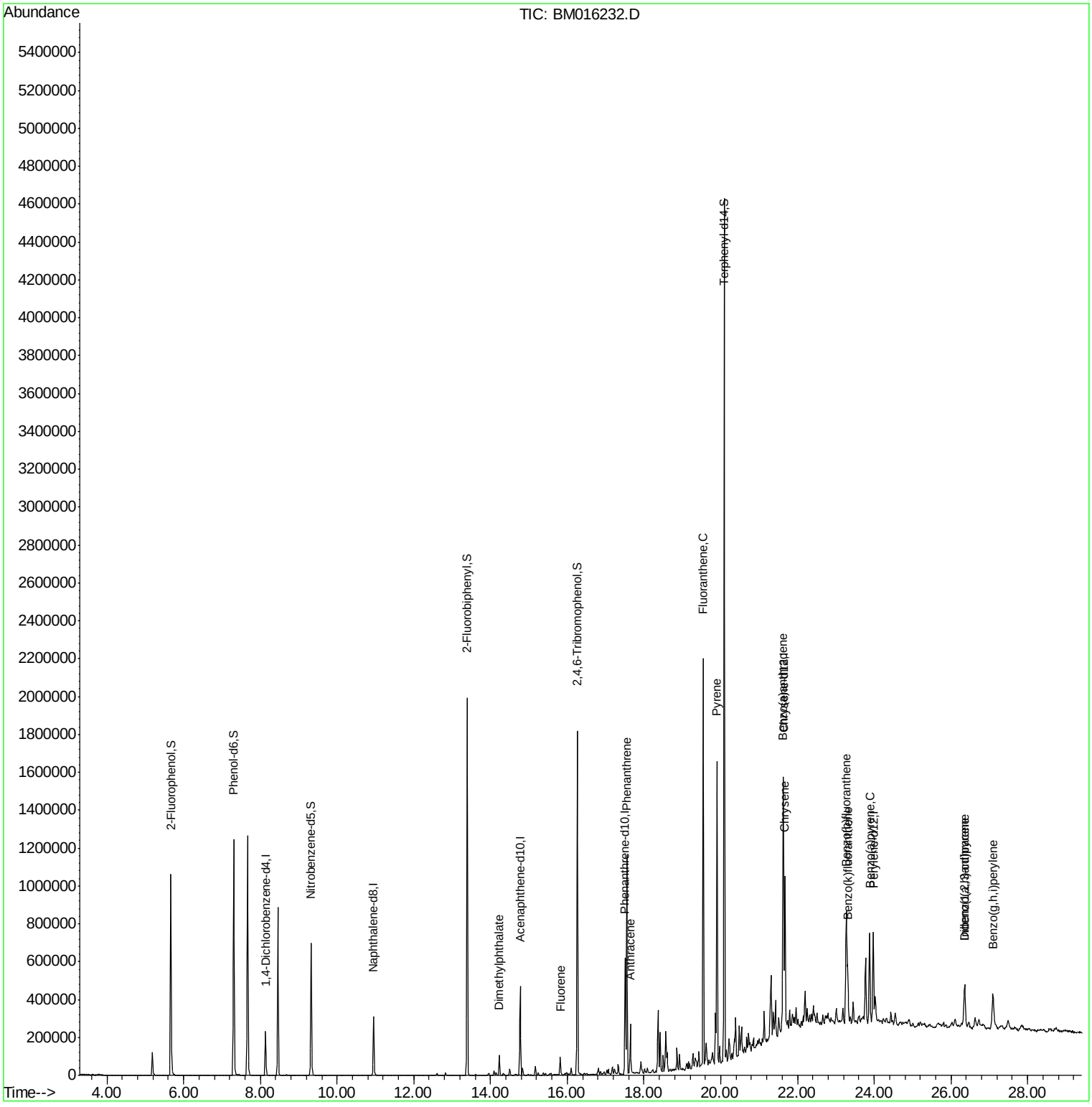
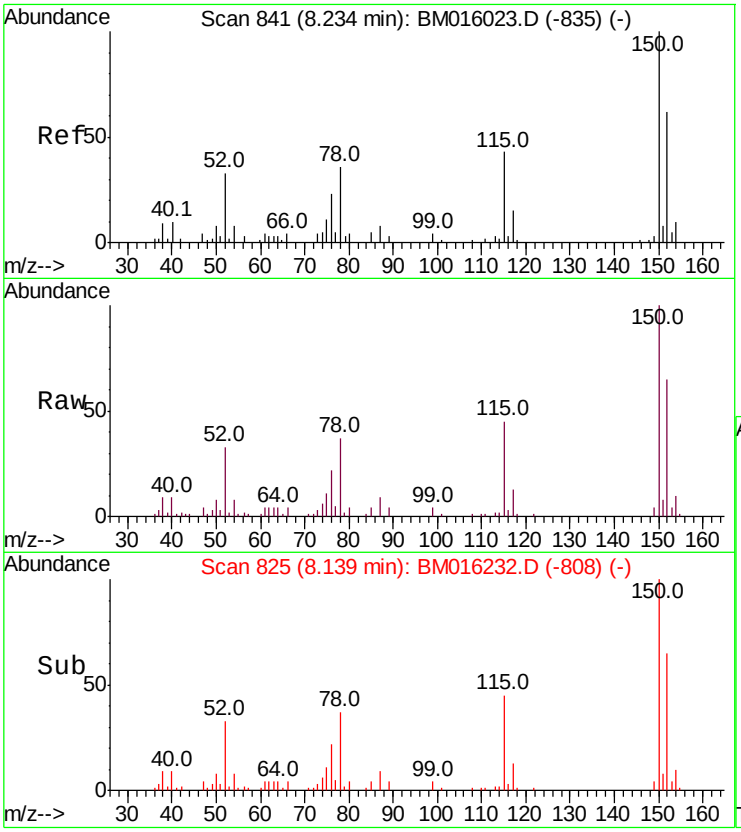
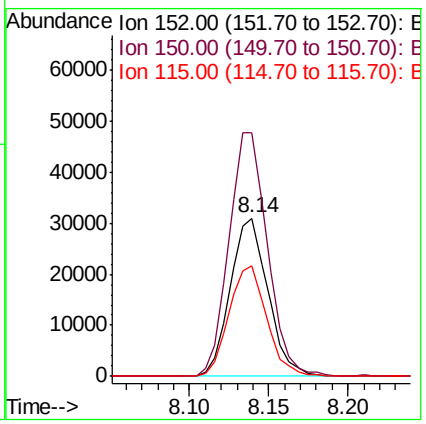




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 825
Delta R.T. -0.00 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion:152 Resp: 50938

Ion	Ratio	Lower	Upper
152	100		
150	153.6	119.5	179.3
115	69.7	43.0	64.4#



Instrument :
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ClientSampleId :
RBR200035

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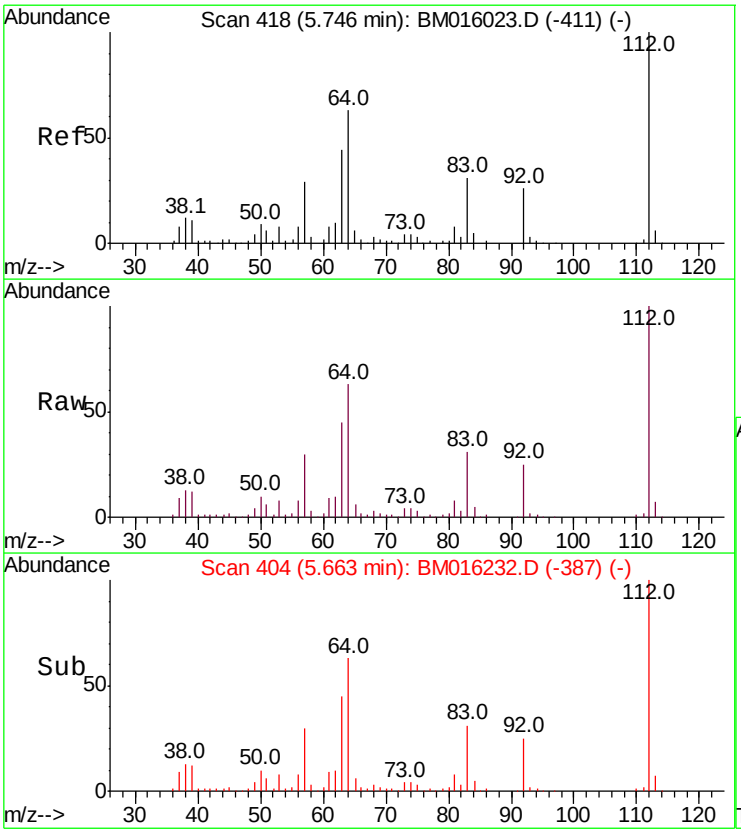
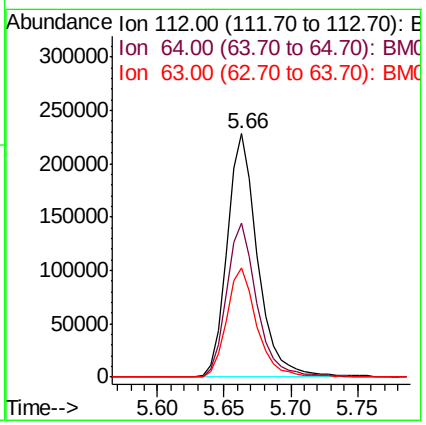
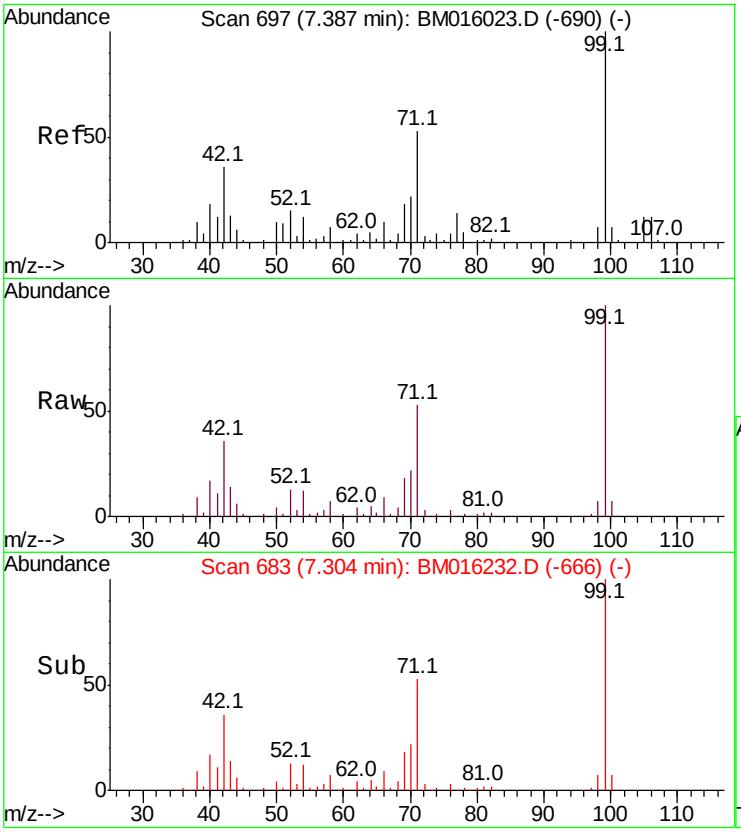


#5
2-Fluorophenol
Concen: Below ng
RT: 5.66 min Scan# 404
Delta R.T. -0.00 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion:112 Resp: 364774

Ion	Ratio	Lower	Upper
112	100		
64	63.4	38.6	57.8#
63	44.6	19.3	28.9#

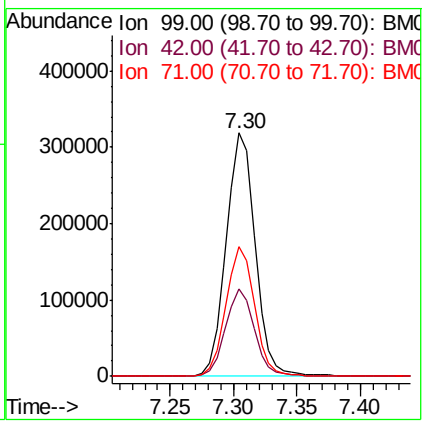




#7
Phenol-d6
Concen: N.D. ng
RT: 7.30 min Scan# 683
Delta R.T. -0.00 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion: 99 Resp: 504924

Ion	Ratio	Lower	Upper
99	100		
42	35.9	11.0	16.4#
71	53.3	23.4	35.2#



Instrument :
BNA_M
ClientSampleId :
RBR200035

Manual Integrations APPROVED
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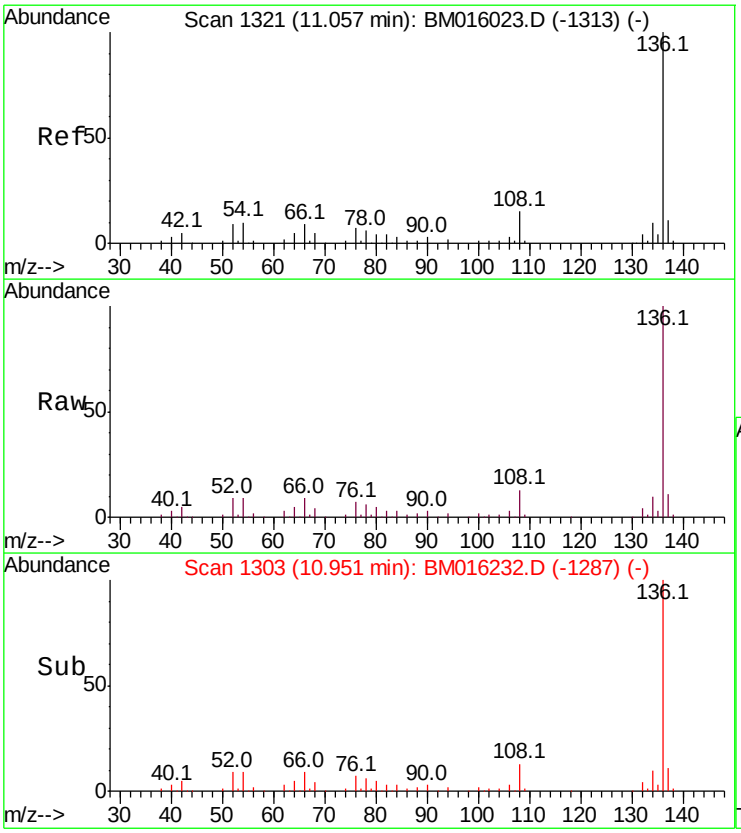
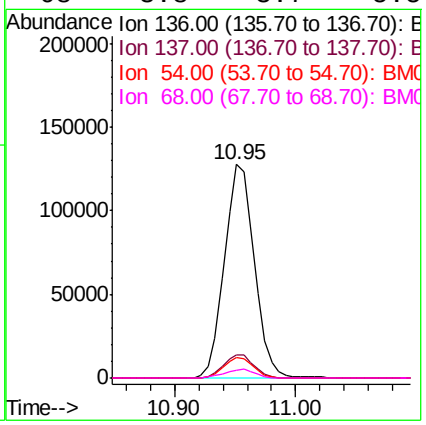
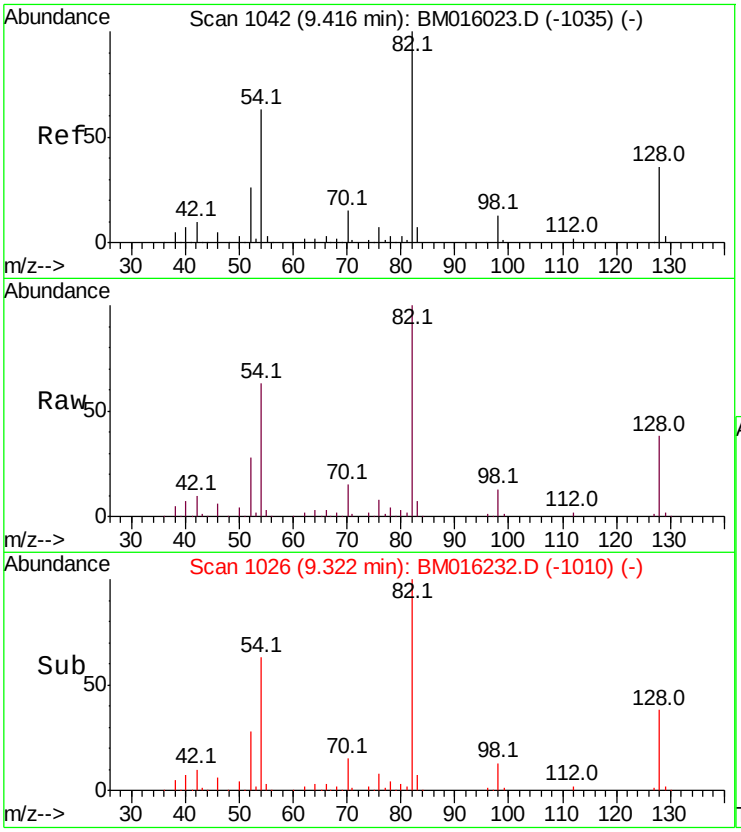


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion:136 Resp: 220352

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	9.3	4.6	6.8#
68	3.8	3.7	5.5

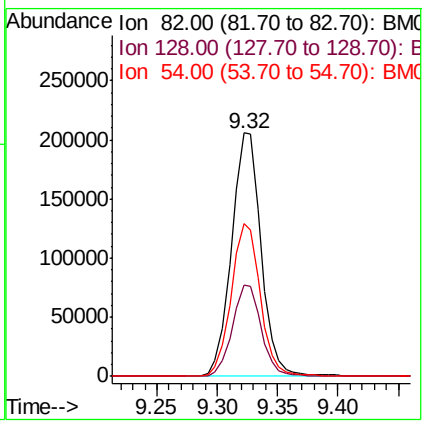




#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.32 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion: 82 Resp: 351750

Ion	Ratio	Lower	Upper
82	100		
128	37.6	32.8	49.2
54	62.7	40.6	60.8#



Instrument :
BNA_M
ClientSampleId :
RBR200035

Manual Integrations APPROVED
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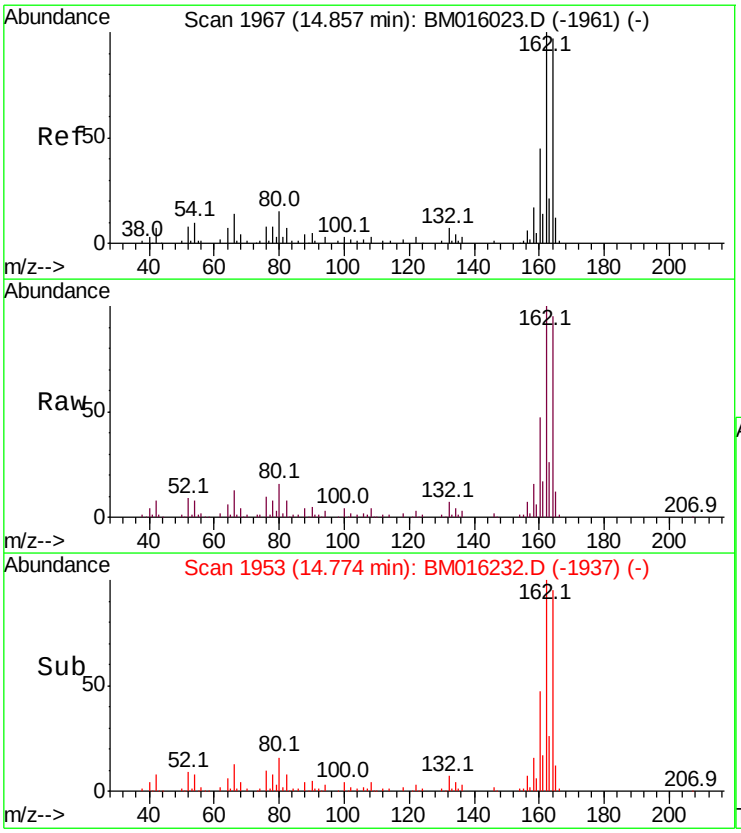
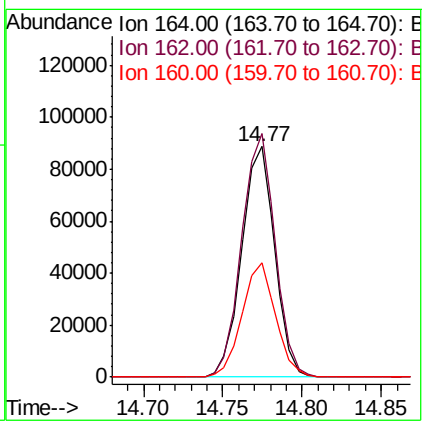
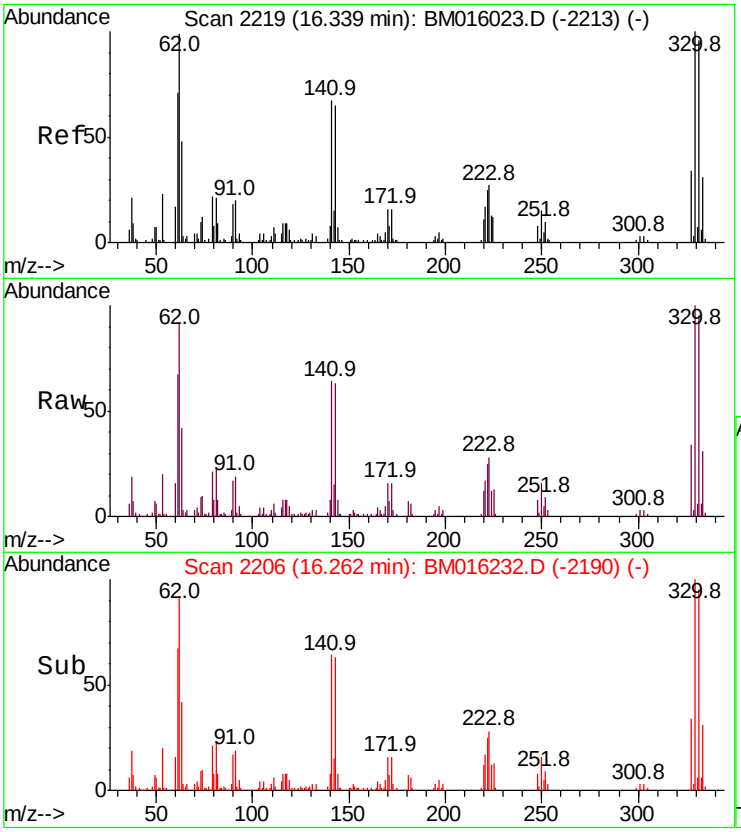


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1953
Delta R.T. -0.01 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion:164 Resp: 128267

Ion	Ratio	Lower	Upper
164	100		
162	105.5	82.4	123.6
160	49.7	35.8	53.6





#41
2,4,6-Tribromophenol
Concen: N.D. ng
RT: 16.26 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion:330 Resp: 195842

Ion	Ratio	Lower	Upper
330	100		
332	96.9	0.0	0.0#
141	68.3	0.0	0.0#

Instrument :
BNA_M
ClientSampleId :
RBR200035

Manual Integrations APPROVED
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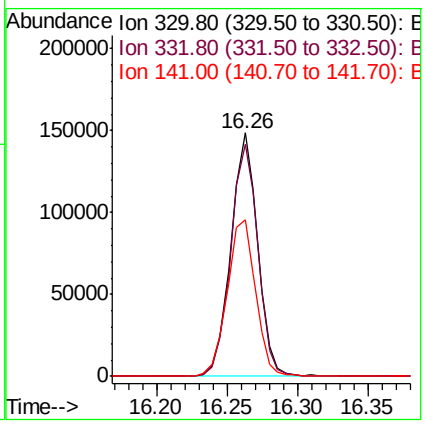
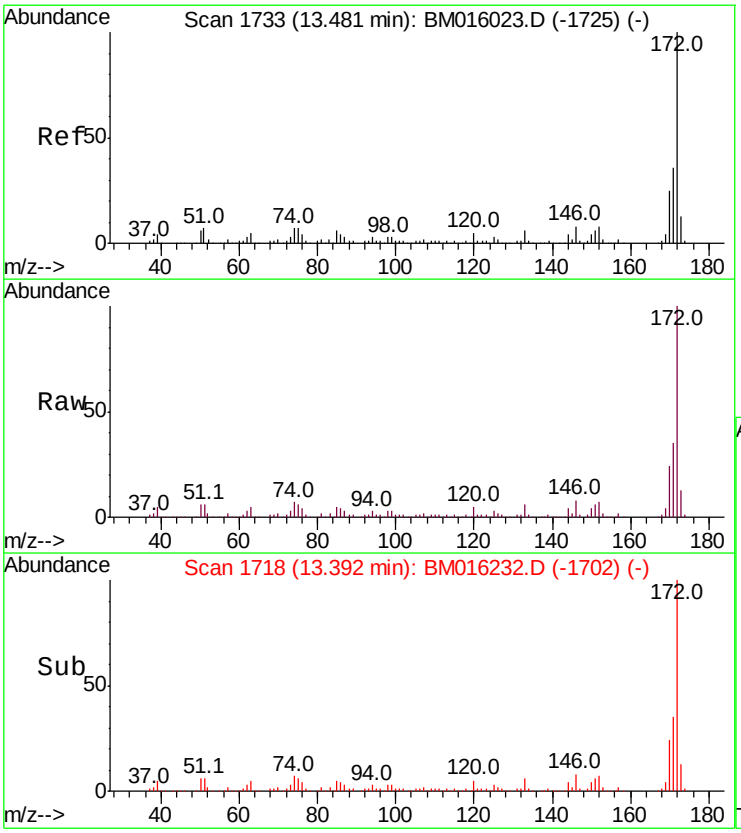
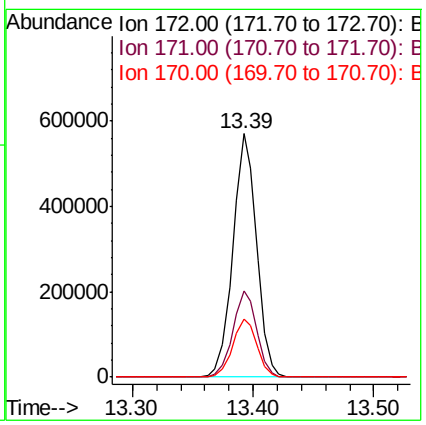


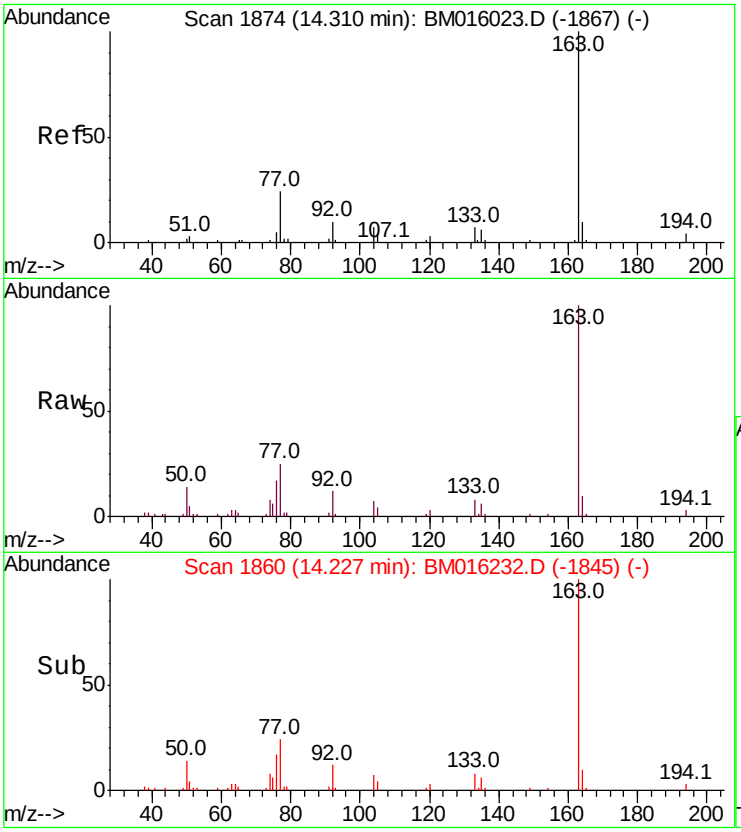


#44
2-Fluorobiphenyl
Concen: N.D. ng
RT: 13.39 min Scan# 1718
Delta R.T. -0.01 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion:172 Resp: 778530

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.5	42.7
170	23.8	18.8	28.2

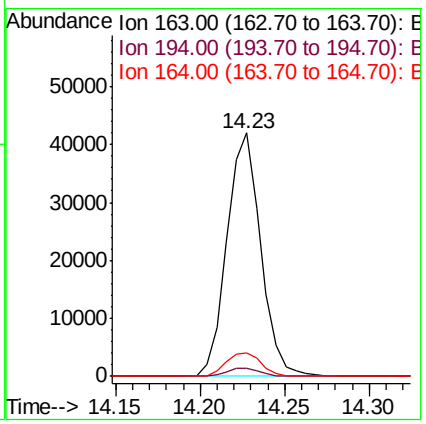




#49
Dimethylphthalate
Concen: 5.182 ng
RT: 14.23 min Scan# 1860
Delta R.T. -0.01 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion:163 Resp: 58173

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	9.8	8.2	12.2



Instrument :
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ClientSampleId :
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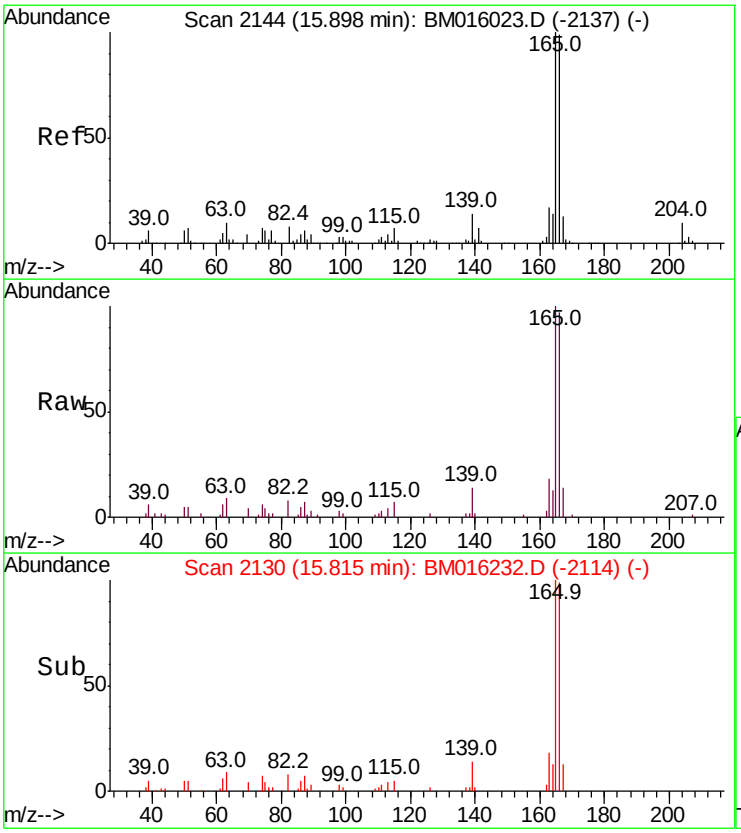
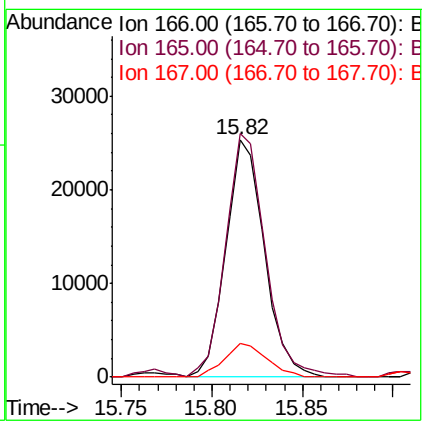
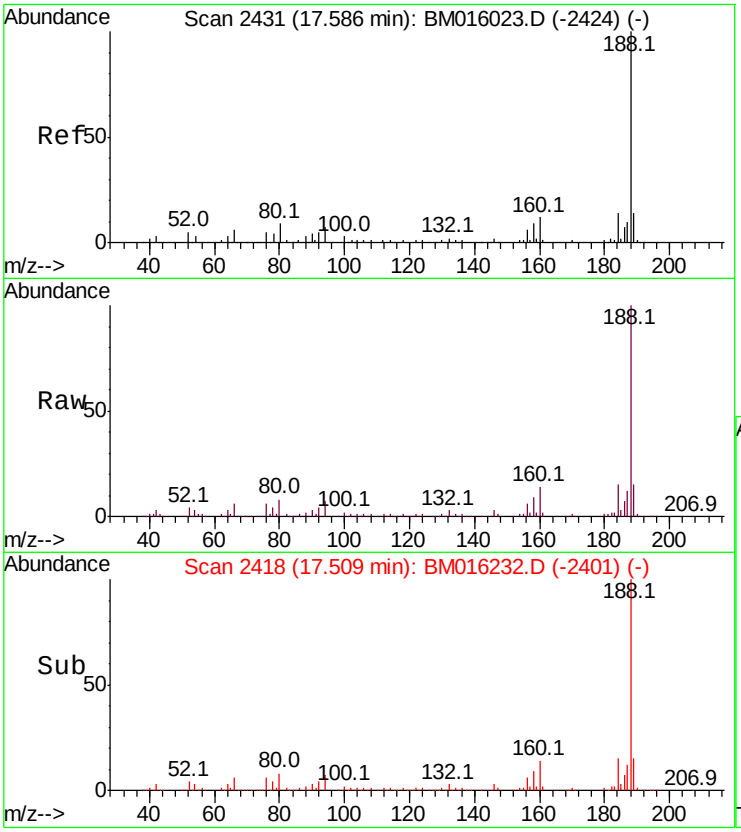


#57
Fluorene
Concen: 3.774 ng
RT: 15.82 min Scan# 2130
Delta R.T. -0.01 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion:166 Resp: 37459

Ion	Ratio	Lower	Upper
166	100		
165	102.6	79.0	118.4
167	14.5	10.3	15.5





#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.51 min Scan# 2418
Delta R.T. -0.00 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion:188 Resp: 297882

Ion	Ratio	Lower	Upper
188	100		
94	6.5	8.7	13.1#
80	8.1	9.3	13.9#

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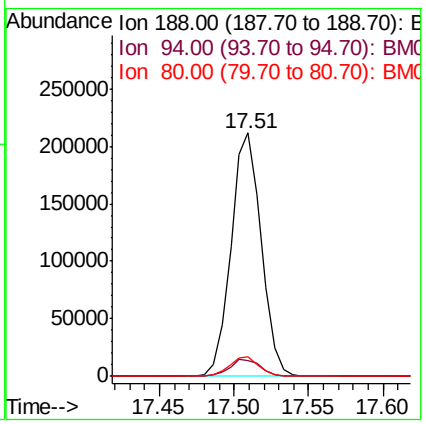
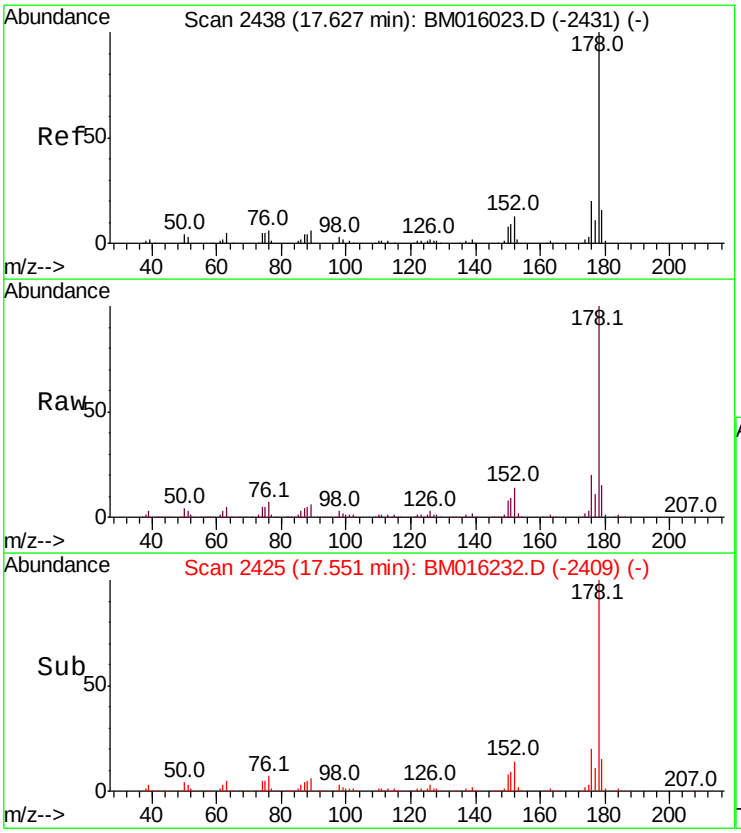
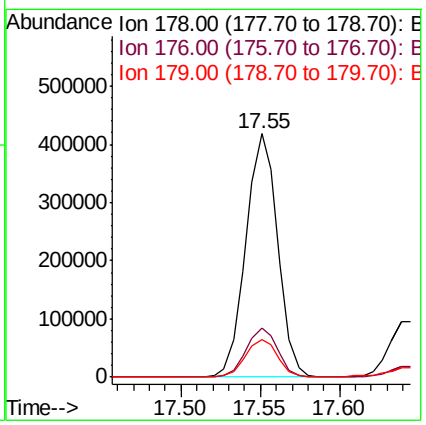


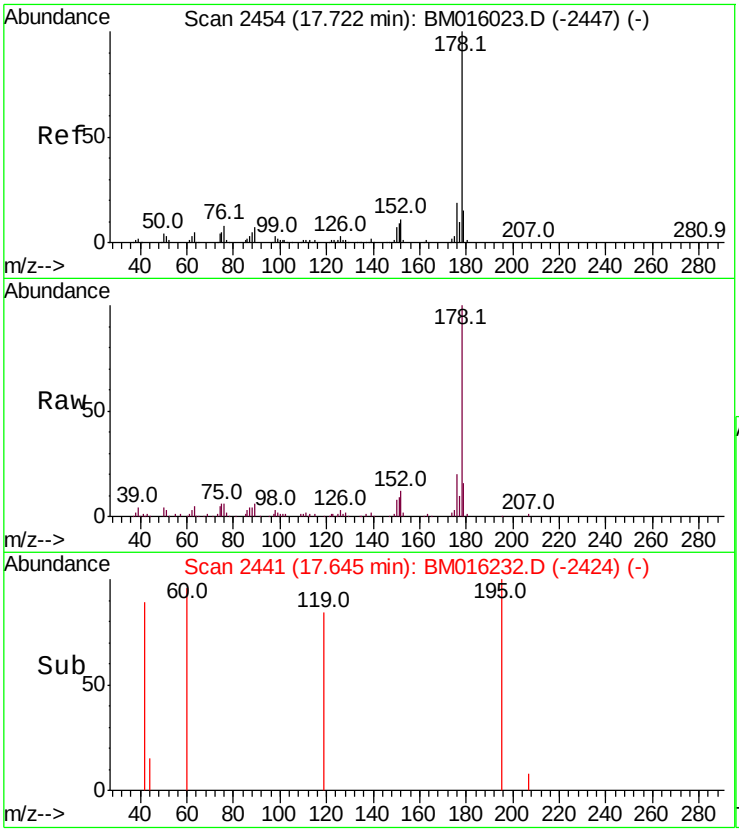


#70
Phenanthrene
Concen: 35.002 ng
RT: 17.55 min Scan# 2425
Delta R.T. -0.01 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion:178 Resp: 583740

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.2	22.8
179	15.4	12.1	18.1

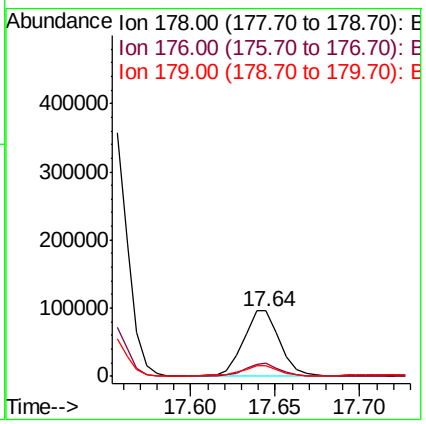




#71
Anthracene
Concen: 8.702 ng
RT: 17.64 min Scan# 2441
Delta R.T. -0.00 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion:178 Resp: 141042

Ion	Ratio	Lower	Upper
178	100		
176	20.3	14.6	22.0
179	15.7	12.6	19.0



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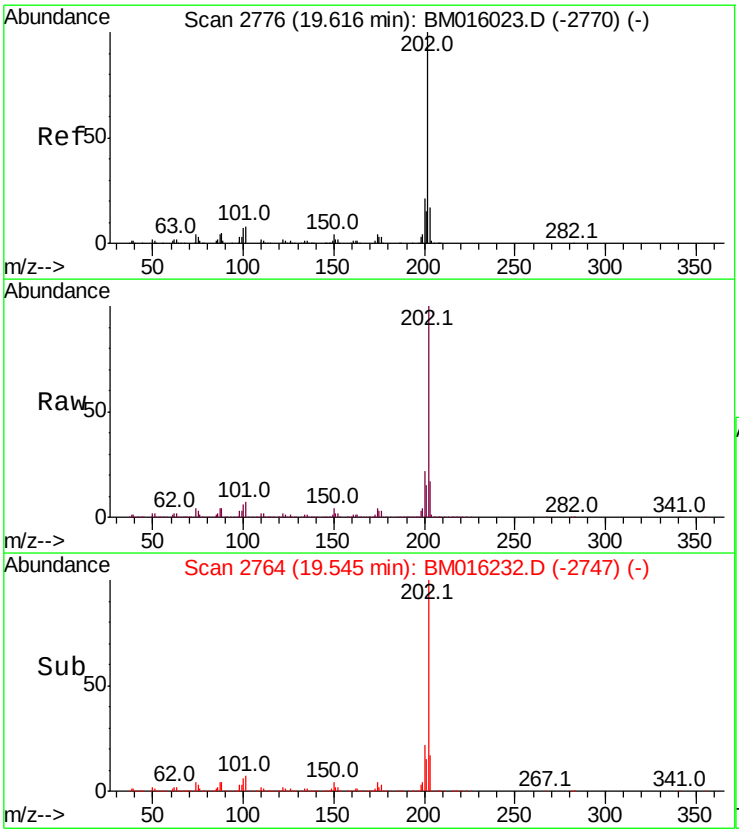
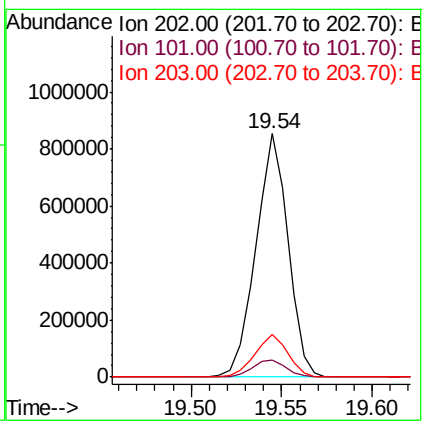
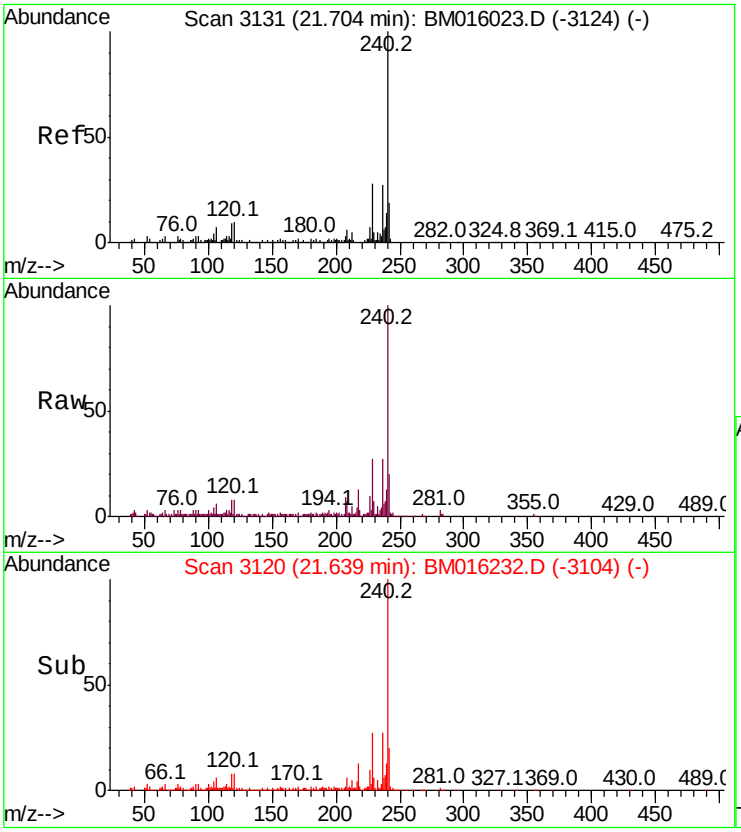


#74
Fluoranthene
Concen: 56.640 ng
RT: 19.54 min Scan# 2764
Delta R.T. -0.00 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion:202 Resp: 1053670

Ion	Ratio	Lower	Upper
202	100		
101	7.1	0.0	28.7
203	17.5	0.0	37.2

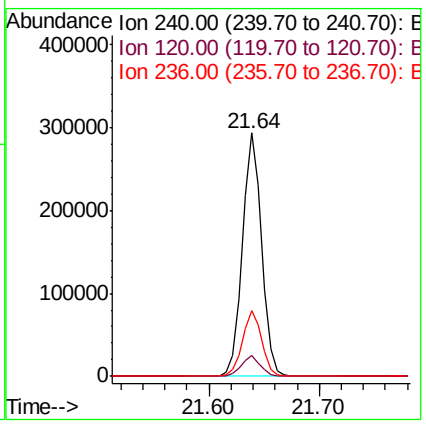




#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.64 min Scan# 3120
Delta R.T. -0.01 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion:240 Resp: 358946

Ion	Ratio	Lower	Upper
240	100		
120	8.4	8.2	12.2
236	27.1	20.0	30.0



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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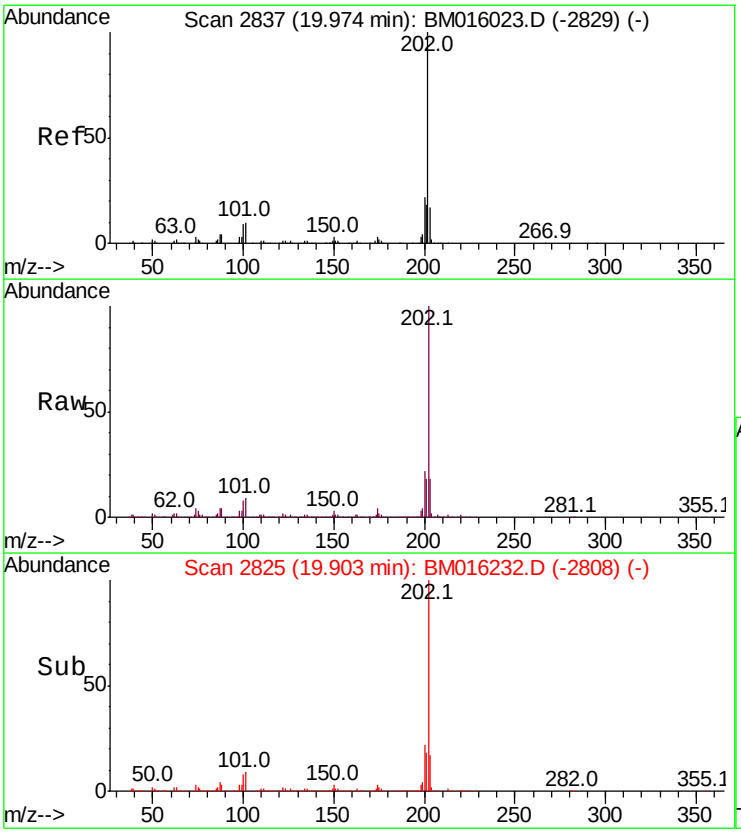
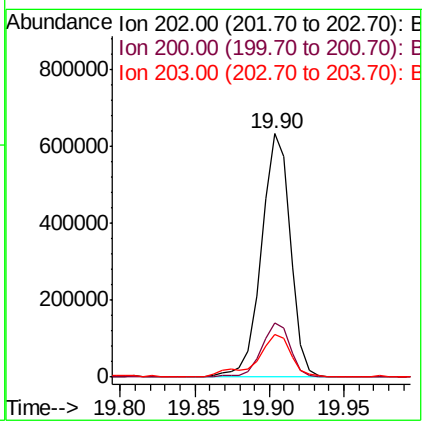
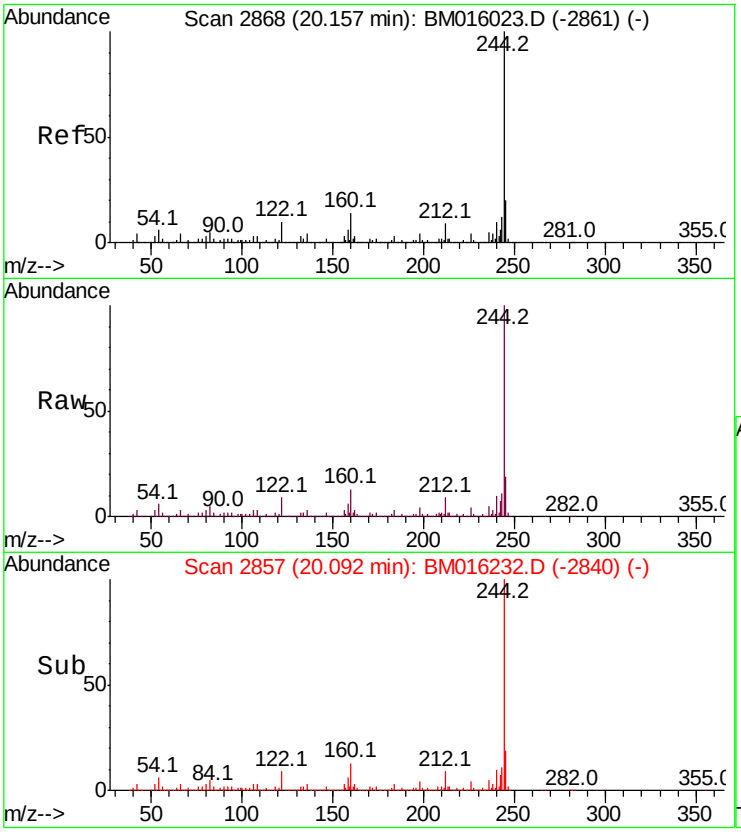


#77
Pyrene
Concen: 39.312 ng
RT: 19.90 min Scan# 2825
Delta R.T. -0.00 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion:202 Resp: 845629

Ion	Ratio	Lower	Upper
202	100		
200	22.1	16.9	25.3
203	17.8	14.1	21.1





#78
Terphenyl-d14
Concen: 39.312 ng
RT: 20.09 min Scan# 2857
Delta R.T. -0.00 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion:244 Resp: 1505734

Ion	Ratio	Lower	Upper
244	100		
212	9.3	4.9	7.3#
122	8.7	6.2	9.4

Instrument :
BNA_M
ClientSampleId :
RBR200035

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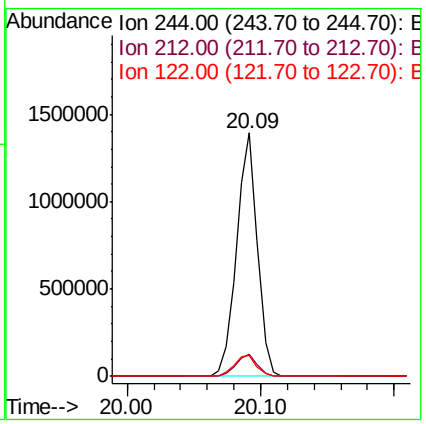
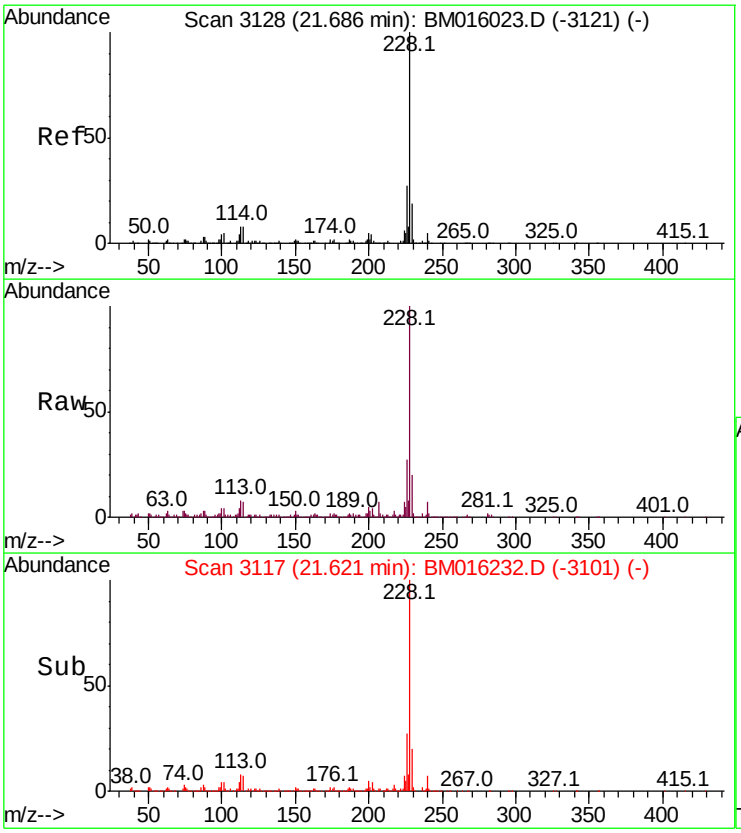
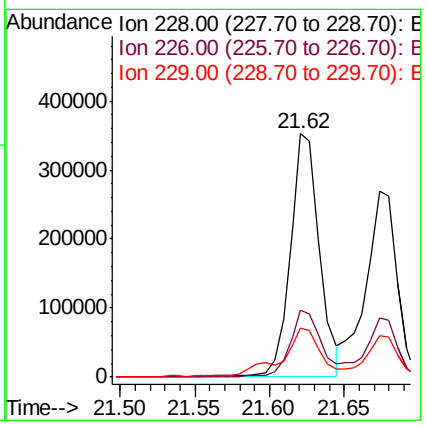


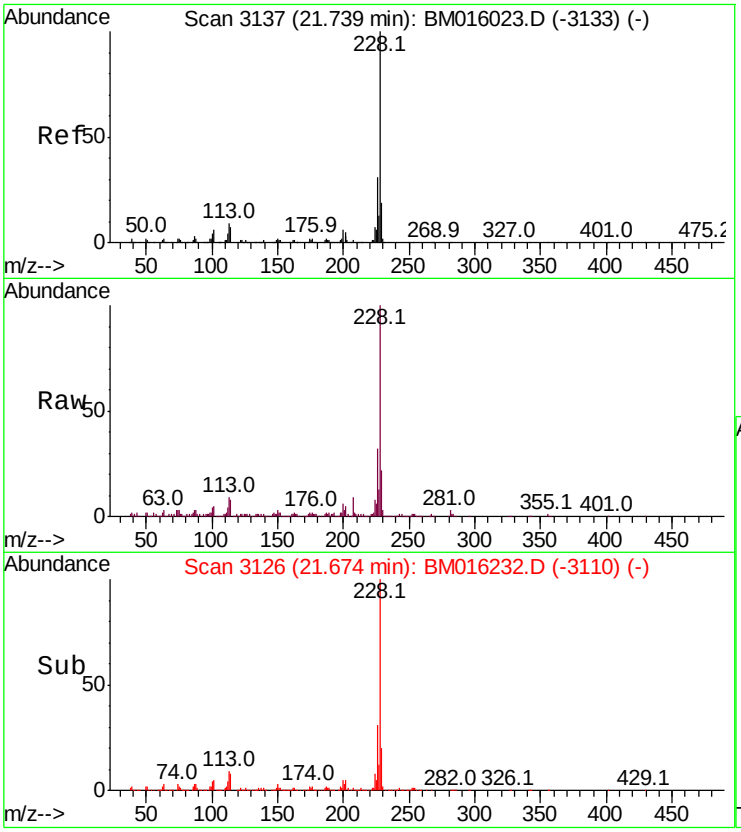


#80
Benzo(a)anthracene
Concen: 21.642 ng
RT: 21.62 min Scan# 3117
Delta R.T. -0.01 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion:228 Resp: 478450

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.7	32.5
229	19.9	16.0	24.0

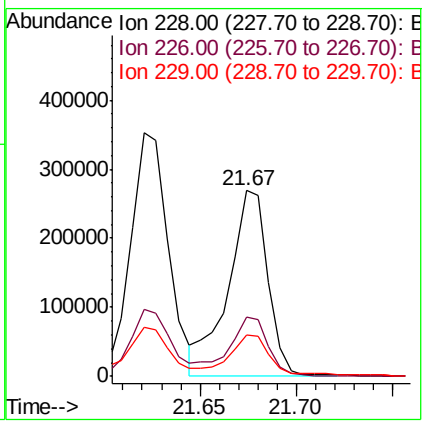




#82
Chrysene
Concen: 18.448 ng m
RT: 21.67 min Scan# 3126
Delta R.T. -0.01 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion:228 Resp: 391239

Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.1	36.1
229	22.0	15.5	23.3



Instrument :
BNA_M
ClientSampleId :
RBR200035

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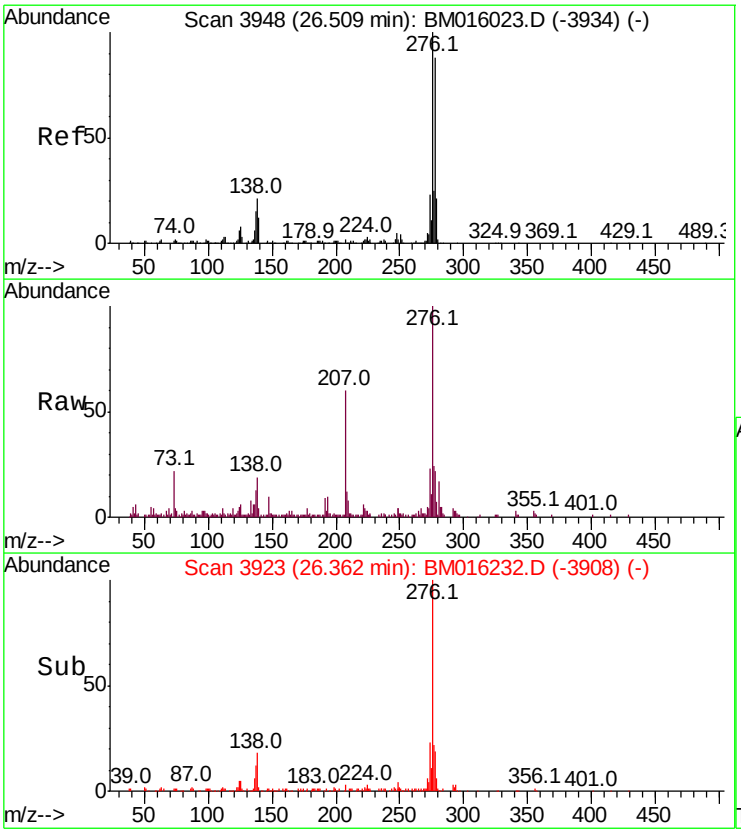
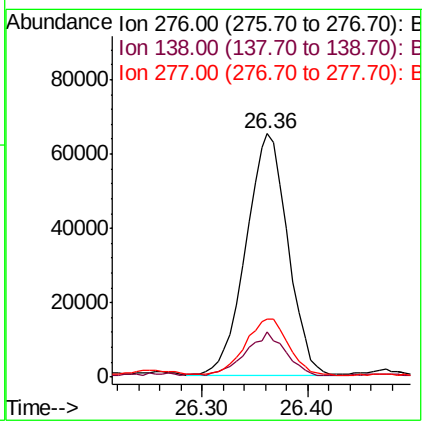
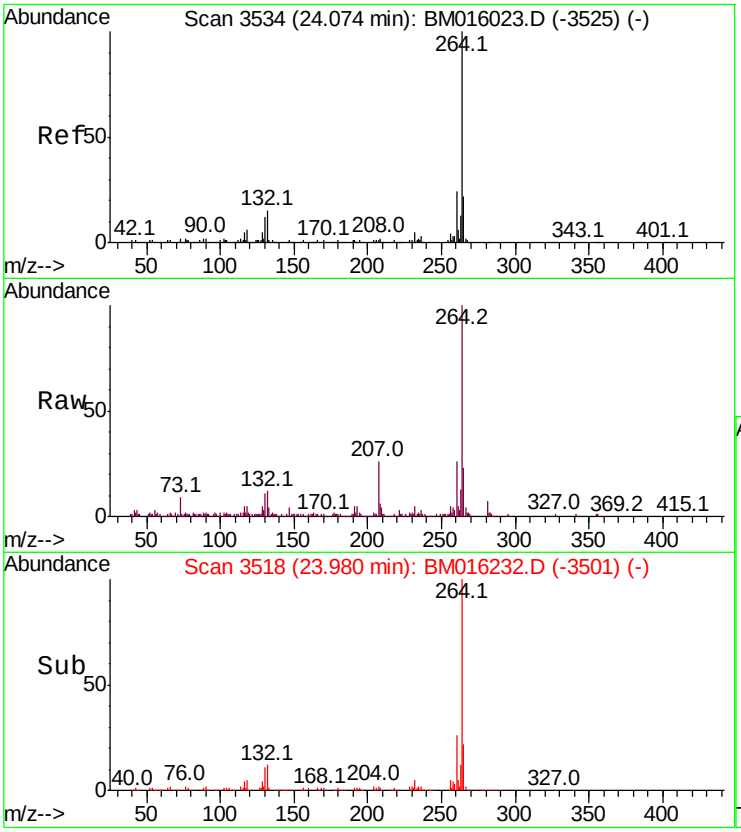


#85
Indeno(1,2,3-cd)pyrene
Concen: 7.065 ng
RT: 26.36 min Scan# 3923
Delta R.T. -0.01 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion:276 Resp: 177788

Ion	Ratio	Lower	Upper
276	100		
138	17.1	12.0	18.0
277	24.0	20.0	30.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.98 min Scan# 3518
Delta R.T. -0.00 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion:264 Resp: 303802

Ion	Ratio	Lower	Upper
264	100		
260	25.7	18.6	27.8
265	22.8	17.3	25.9

Instrument :
BNA_M
ClientSampleId :
RBR200035

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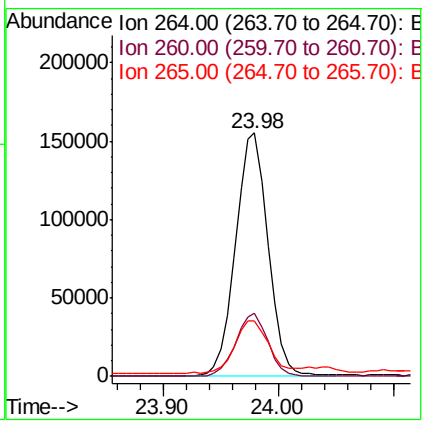
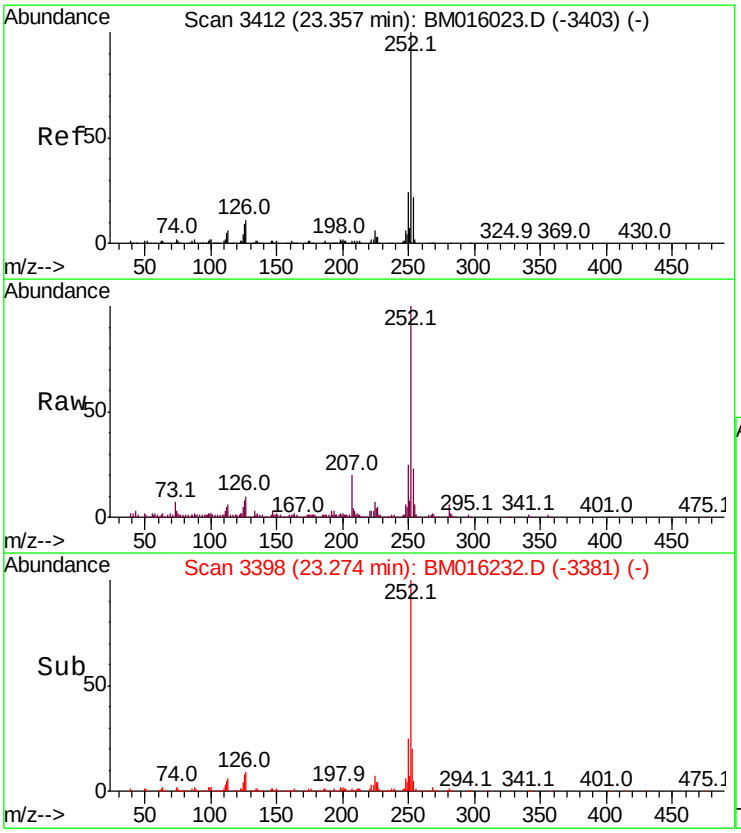
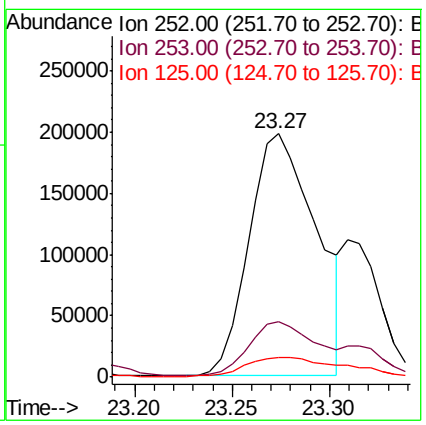


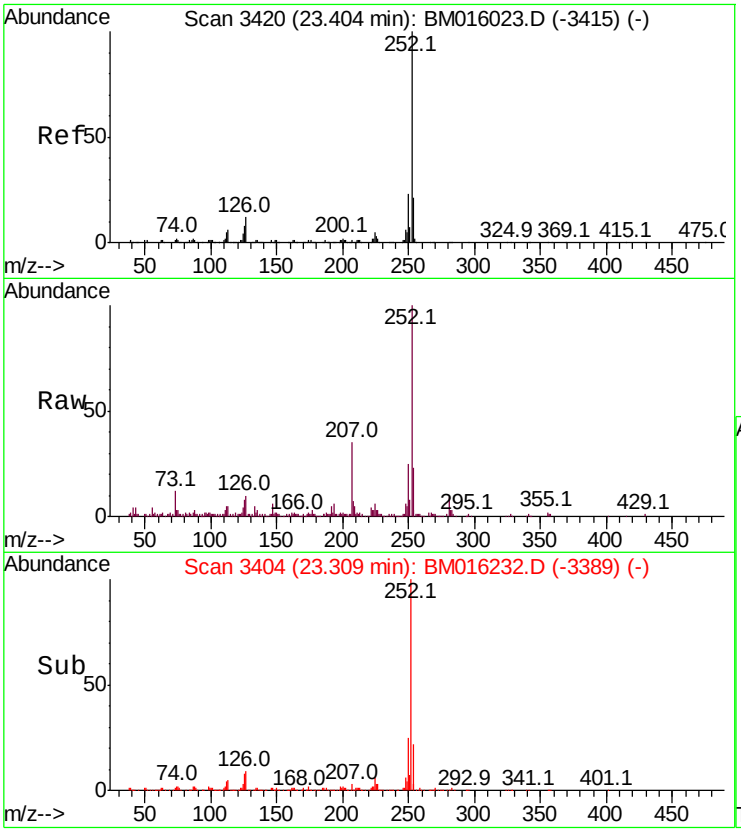


#87
Benzo(b)fluoranthene
Concen: 26.401 ng
RT: 23.27 min Scan# 3398
Delta R.T. -0.00 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion:252 Resp: 472234

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	8.2	9.9	14.9#

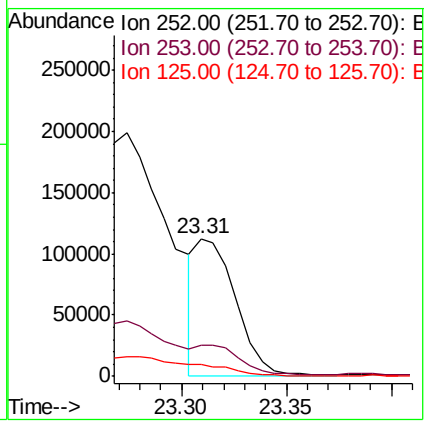




#88
Benzo(k)fluoranthene
Concen: 8.204 ng m
RT: 23.31 min Scan# 3404
Delta R.T. -0.01 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion:252 Resp: 148728

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	8.4	8.1	12.1



Instrument :
BNA_M
ClientSampleId :
RBR200035

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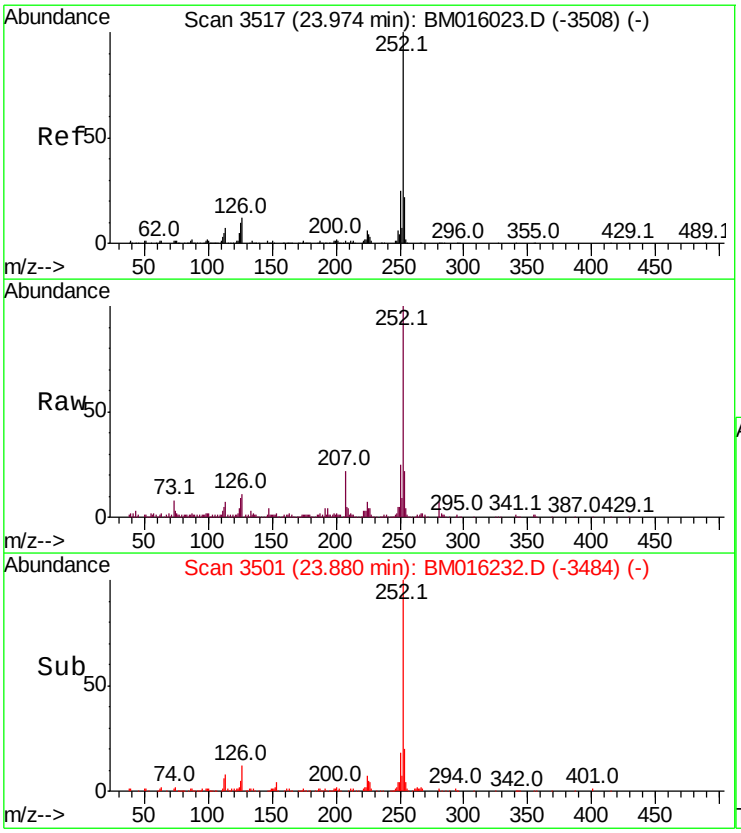
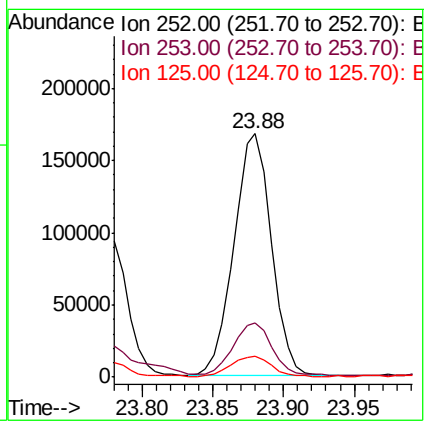
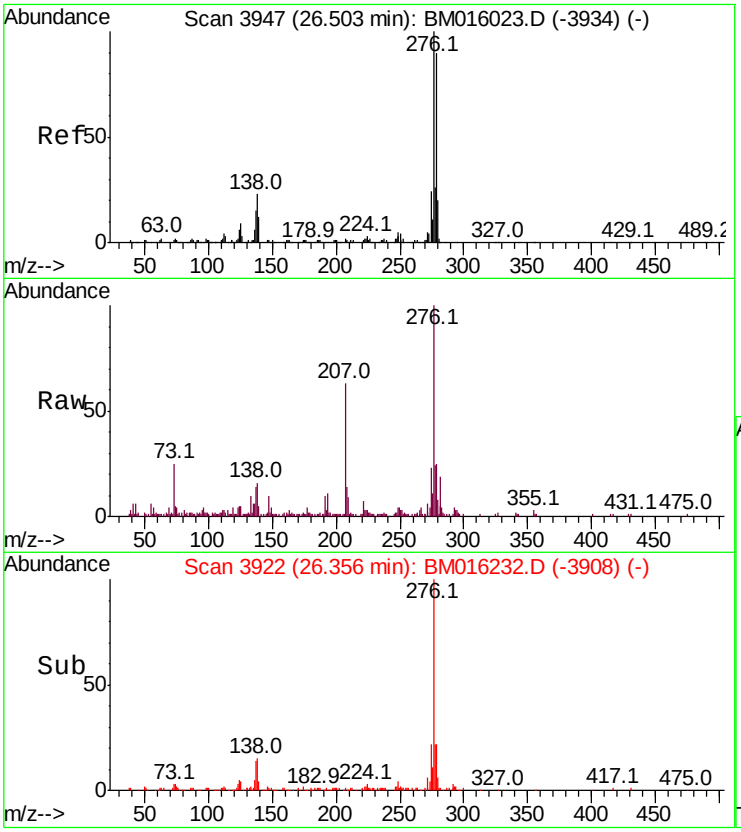


#89
Benzo(a)pyrene
Concen: 18.171 ng
RT: 23.88 min Scan# 3501
Delta R.T. -0.00 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion:252 Resp: 312454

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	8.5	7.4	11.2

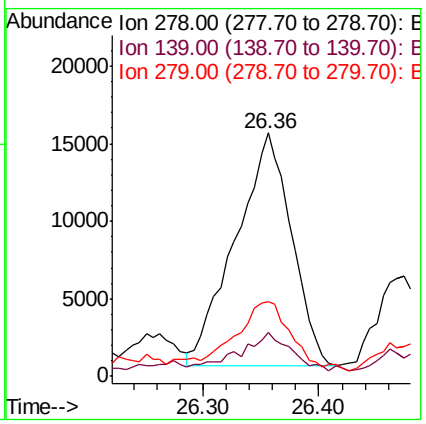




#90
Dibenzo(a,h)anthracene
Concen: 2.843 ng
RT: 26.36 min Scan# 3922
Delta R.T. -0.02 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion:278 Resp: 50651

Ion	Ratio	Lower	Upper
278	100		
139	17.9	13.4	20.0
279	30.5	19.0	28.4#



Instrument :
BNA_M
ClientSampleId :
RBR200035

Manual Integrations APPROVED
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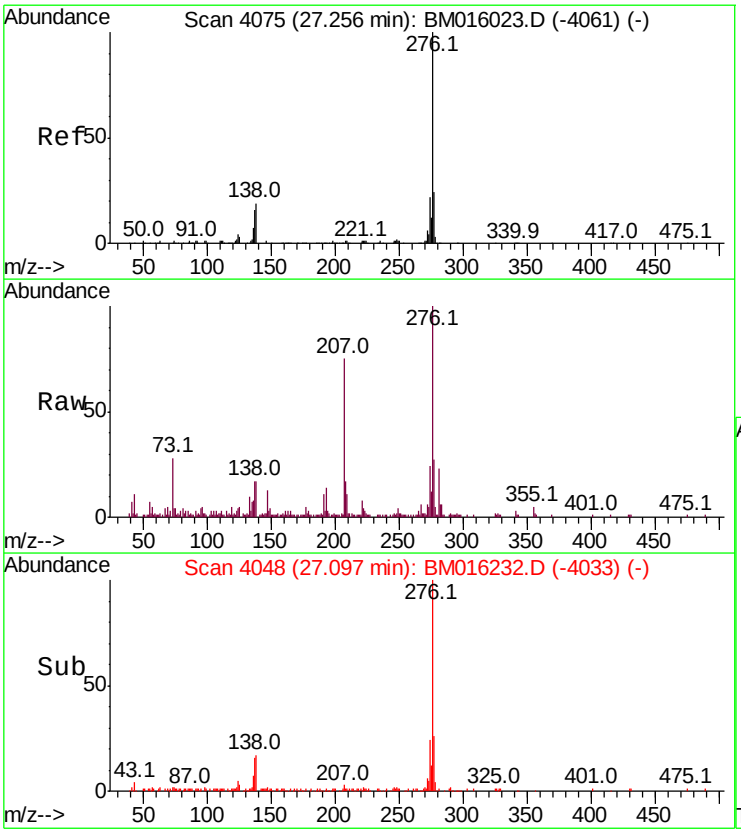

#91
Benzo(g,h,i)perylene
Concen: 9.484 ng
RT: 27.10 min Scan# 4048
Delta R.T. -0.01 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion:276 Resp: 159800

Ion	Ratio	Lower	Upper
276	100		
277	26.9	18.5	27.7
138	17.3	19.0	28.6#