Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
Data File : BF084739.D
Acq On : 2 Feb 2016 5:08
Operator : SJ/IZ
Sample : H1285-17 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SUP-B012(6-7.5)

Manual Integrations APPROVED
mohammad
2/2/2016 4:19:08 PM

Quant Time: Feb 02 06:10:34 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 01 14:55:11 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	163774	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	692685	20.00	ng	-0.02
38) Acenaphthene-d10	9.74	164	300015	20.00	ng	-0.02
63) Phenanthrene-d10	11.23	188	547401	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	345456	20.00	ng	-0.01
86) Perylene-d12	15.24	264	328632	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	269086	25.59	ng	-0.01
7) Phenol-d6	6.35	99	352732	27.06	ng	-0.02
23) Nitrobenzene-d5	7.28	82	233711	19.01	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	49898	15.94	ng	-0.02
44) 2-Fluorobiphenyl	9.07	172	334911	13.90	ng	-0.02
78) Terphenyl-d14	12.81	244	263146	17.26	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.47	163	80847	3.54	ng	# 89
70) Phenanthrene	11.25	178	101029	3.33	ng	99
74) Fluoranthene	12.43	202	161489	5.26	ng	98
77) Pyrene	12.66	202	155312	5.87	ng	98
80) Benzo(a)anthracene	13.85	228	62933m	2.94	ng	
82) Chrysene	13.88	228	55594m	2.67	ng	
87) Benzo(b)fluoranthene	14.85	252	60154m	2.72	ng	
89) Benzo(a)pyrene	15.19	252	48425	2.57	ng	# 97
91) Benzo(g,h,i)perylene	16.92	276	37202	2.33	ng	97

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

Quantitation Report (LSC Reviewed)

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Instrument :
BNA_F
ClientSampleId :
SUP-B012(6-7.5)

Manual Integrations APPROVED
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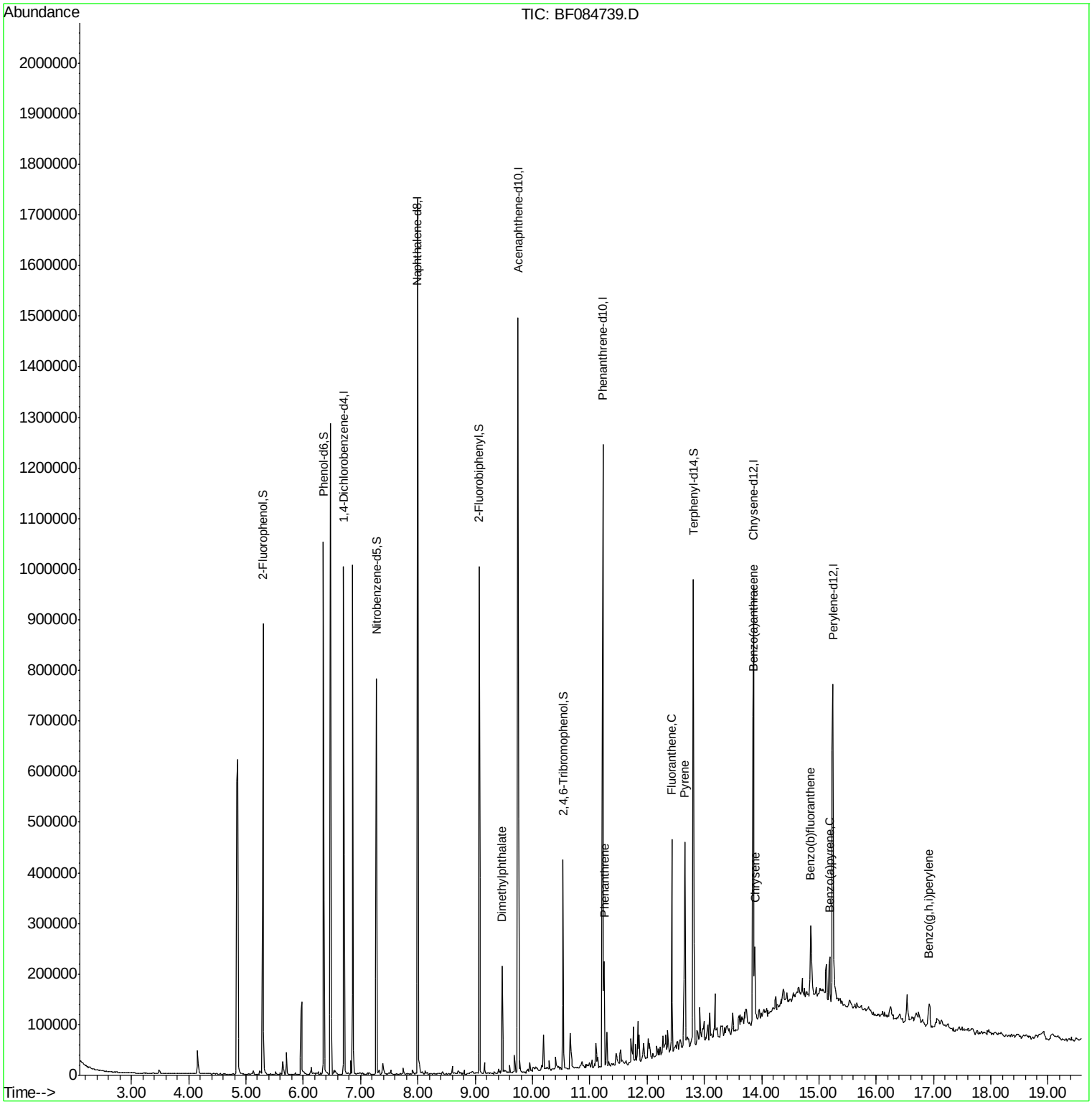
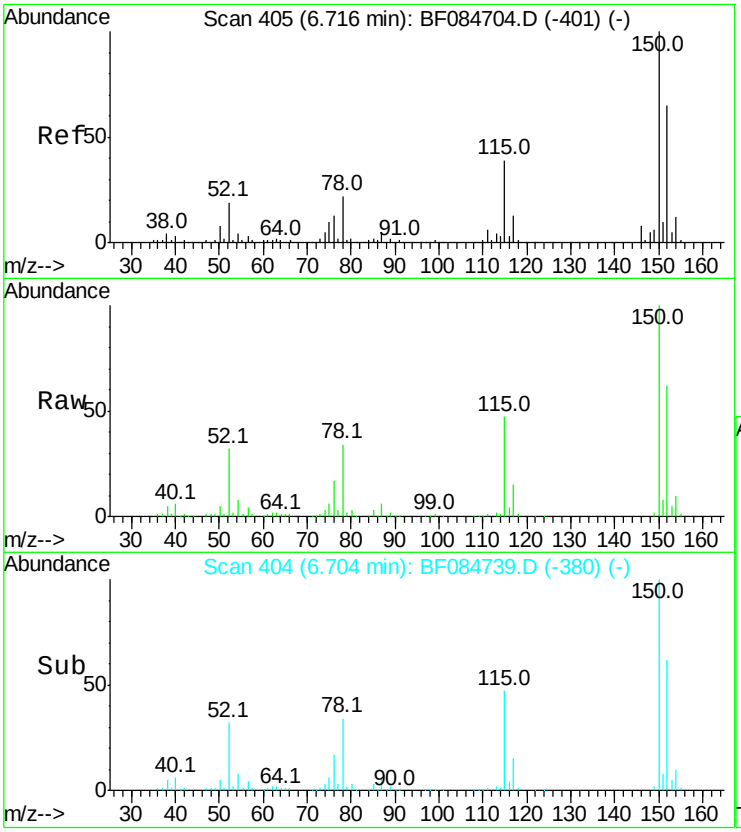
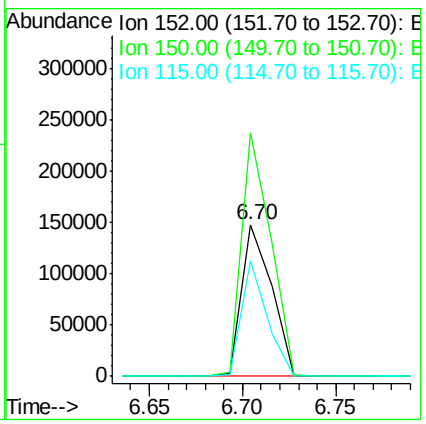




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 404
Delta R.T. -0.02 min
Lab File: BF084739.D
Acq: 2 Feb 2016 5:08

Tgt Ion:152 Resp: 163774

Ion	Ratio	Lower	Upper
152	100		
150	160.3	123.0	184.4
115	76.0	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
SUP-B012(6-7.5)

Manual Integrations APPROVED
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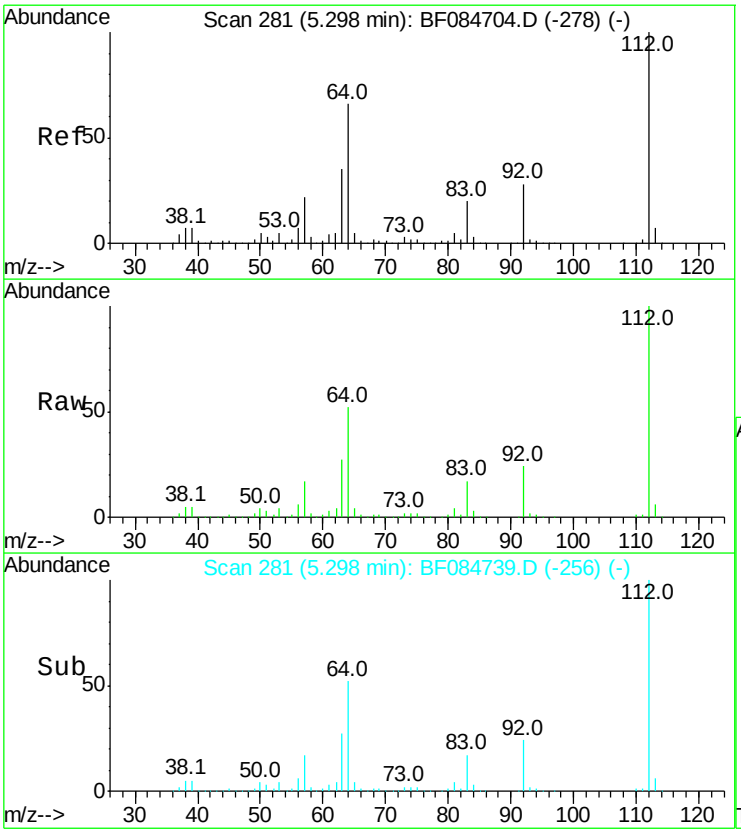
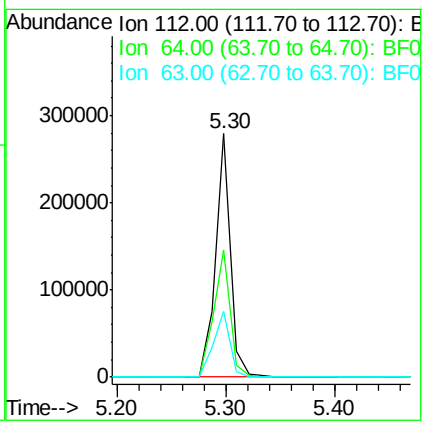
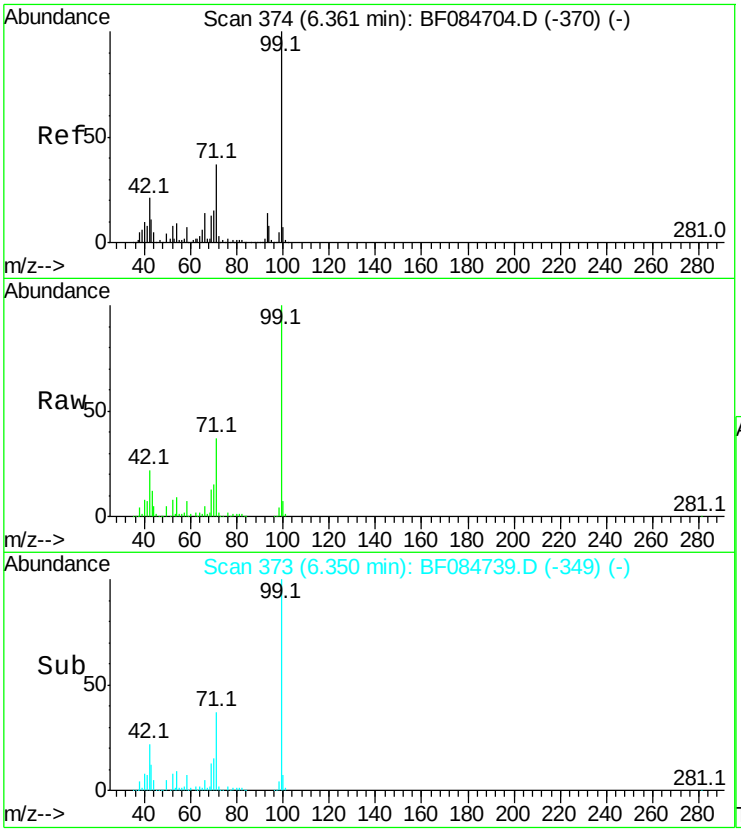


#5
2-Fluorophenol
Concen: 25.59 ng
RT: 5.30 min Scan# 281
Delta R.T. -0.01 min
Lab File: BF084739.D
Acq: 2 Feb 2016 5:08

Tgt Ion:112 Resp: 269086

Ion	Ratio	Lower	Upper
112	100		
64	52.1	36.6	55.0
63	27.0	19.4	29.0

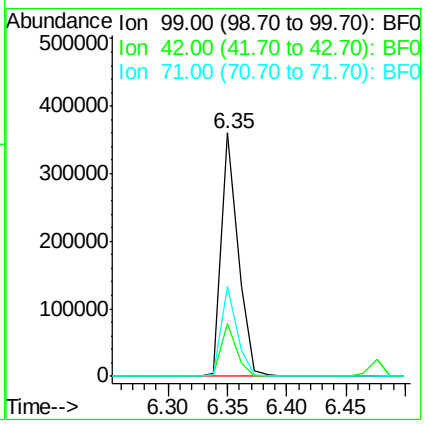




#7
Phenol-d6
Concen: 27.06 ng
RT: 6.35 min Scan# 373
Delta R.T. -0.02 min
Lab File: BF084739.D
Acq: 2 Feb 2016 5:08

Tgt Ion: 99 Resp: 352732

Ion	Ratio	Lower	Upper
99	100		
42	21.9	12.8	19.2#
71	37.2	30.9	46.3



Instrument :
BNA_F
ClientSampleId :
SUP-B012(6-7.5)

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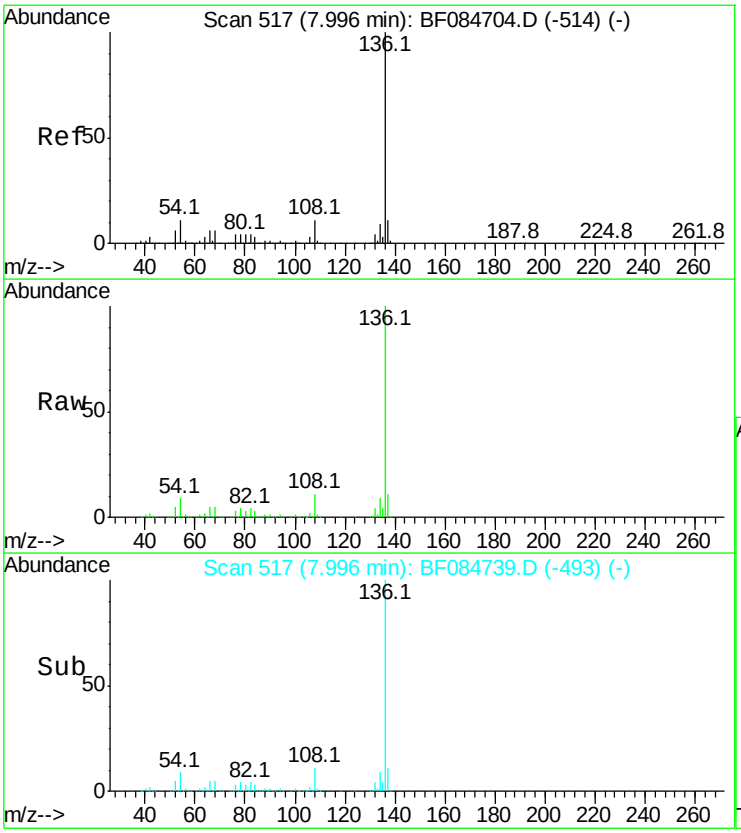
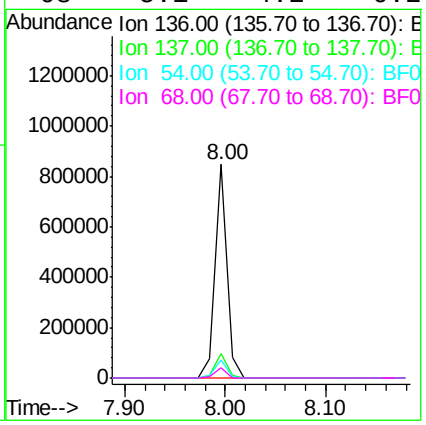
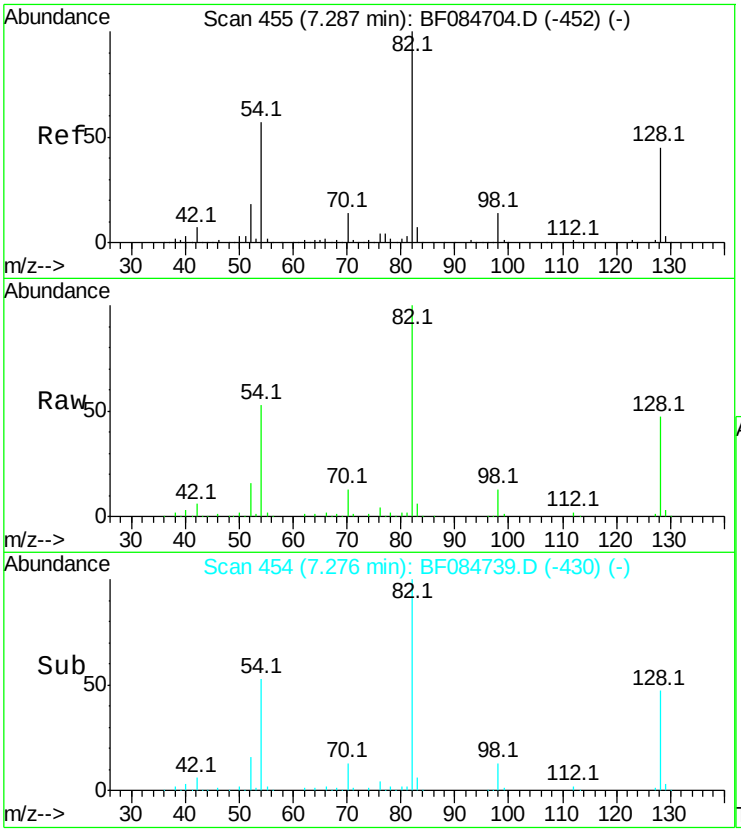


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 517
Delta R.T. -0.02 min
Lab File: BF084739.D
Acq: 2 Feb 2016 5:08

Tgt Ion:136 Resp: 692685

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	8.7	5.8	8.8
68	5.1	4.2	6.2

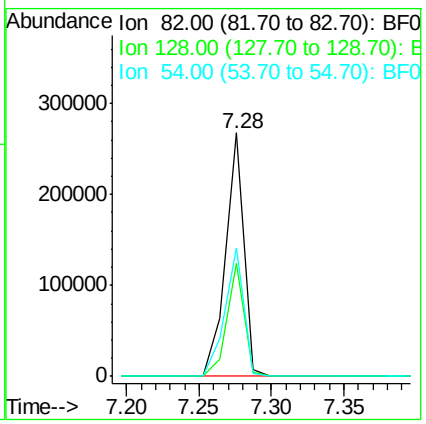




#23
Nitrobenzene-d5
Concen: 19.01 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.02 min
Lab File: BF084739.D
Acq: 2 Feb 2016 5:08

Tgt Ion: 82 Resp: 233711

Ion	Ratio	Lower	Upper
82	100		
128	46.6	34.6	51.8
54	52.6	38.4	57.6



Instrument :
BNA_F
ClientSampleId :
SUP-B012(6-7.5)

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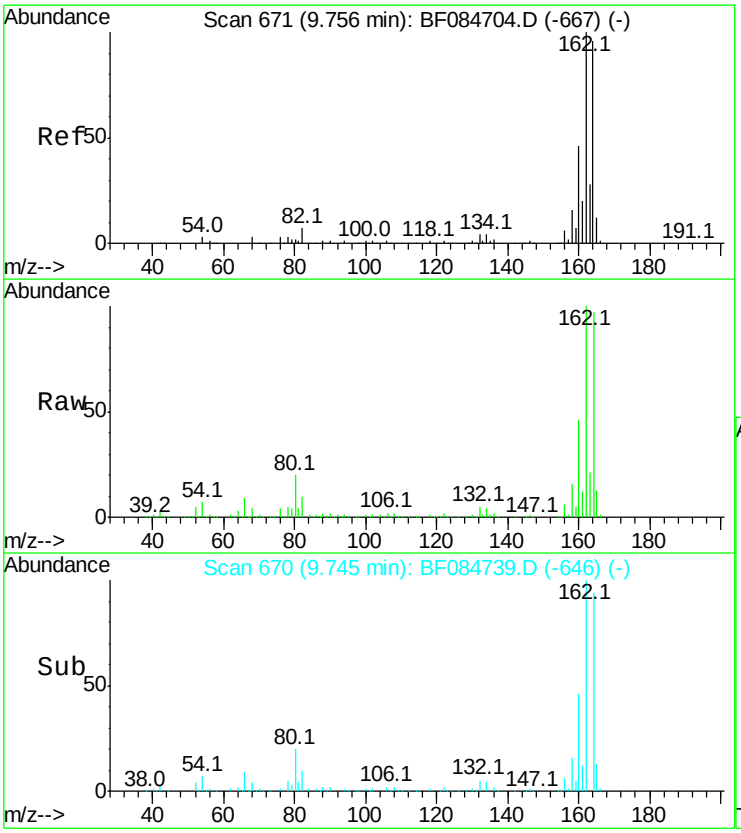
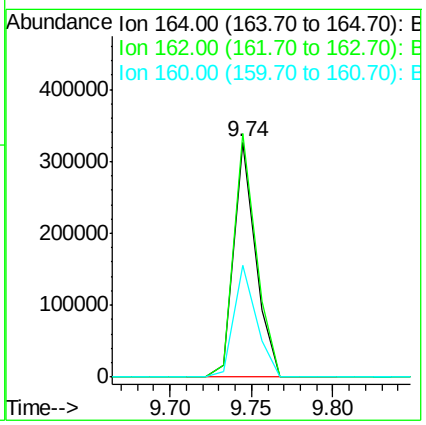
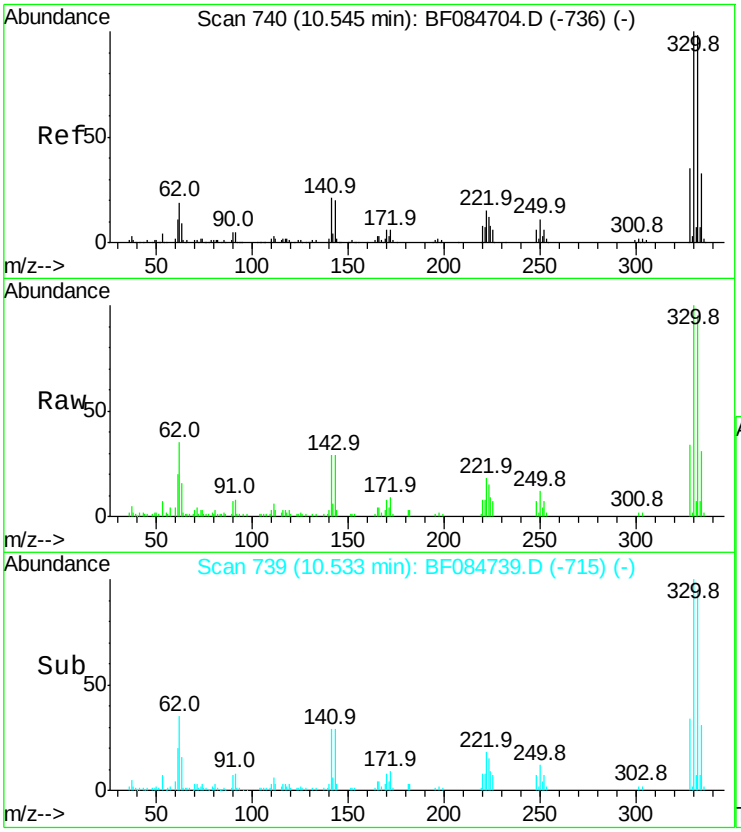


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.02 min
Lab File: BF084739.D
Acq: 2 Feb 2016 5:08

Tgt Ion:164 Resp: 300015

Ion	Ratio	Lower	Upper
164	100		
162	103.6	85.1	127.7
160	47.3	37.5	56.3

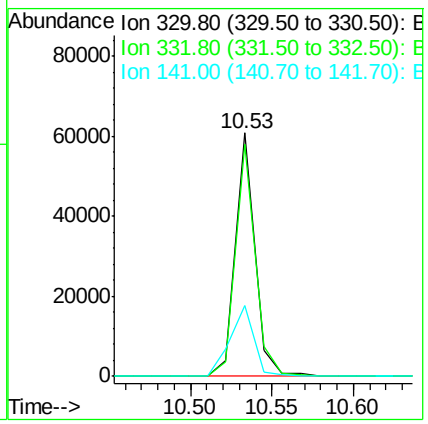




#41
2,4,6-Tribromophenol
Concen: 15.94 ng
RT: 10.53 min Scan# 739
Delta R.T. -0.02 min
Lab File: BF084739.D
Acq: 2 Feb 2016 5:08

Tgt Ion:330 Resp: 49898

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.6	114.8
141	35.9	27.8	41.6



Instrument :
BNA_F
ClientSampleId :
SUP-B012(6-7.5)

Manual Integrations APPROVED
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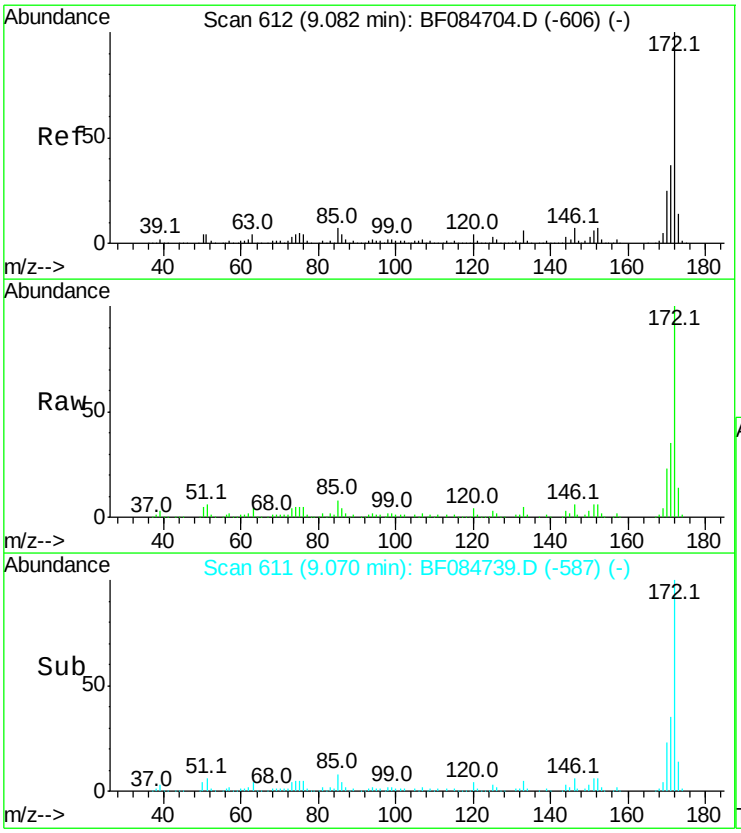
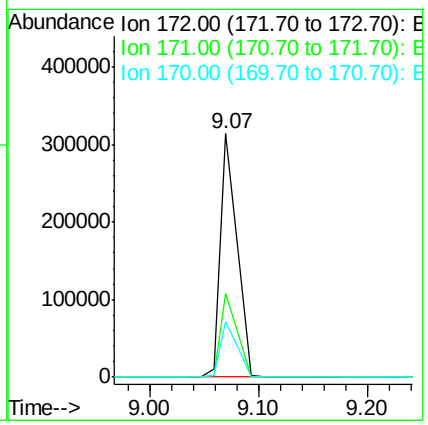
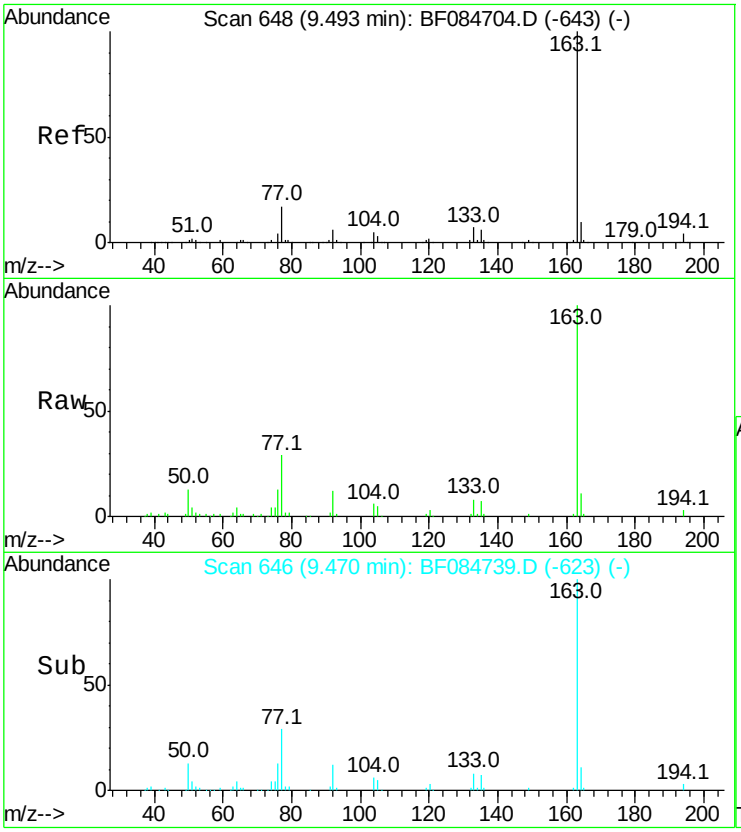


#44
2-Fluorobiphenyl
Concen: 13.90 ng
RT: 9.07 min Scan# 611
Delta R.T. -0.02 min
Lab File: BF084739.D
Acq: 2 Feb 2016 5:08

Tgt Ion:172 Resp: 334911

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.9	43.3
170	22.6	18.6	27.8

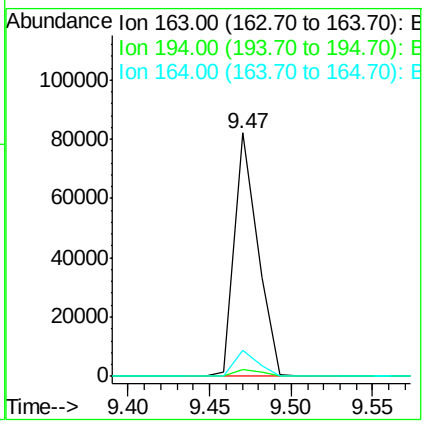




#49
Dimethylphthalate
Concen: 3.54 ng
RT: 9.47 min Scan# 646
Delta R.T. -0.03 min
Lab File: BF084739.D
Acq: 2 Feb 2016 5:08

Tgt Ion:163 Resp: 80847

Ion	Ratio	Lower	Upper
163	100		
194	2.6	8.0	12.0#
164	10.8	8.0	12.0



Instrument :
BNA_F
ClientSampleId :
SUP-B012(6-7.5)

Manual Integrations APPROVED
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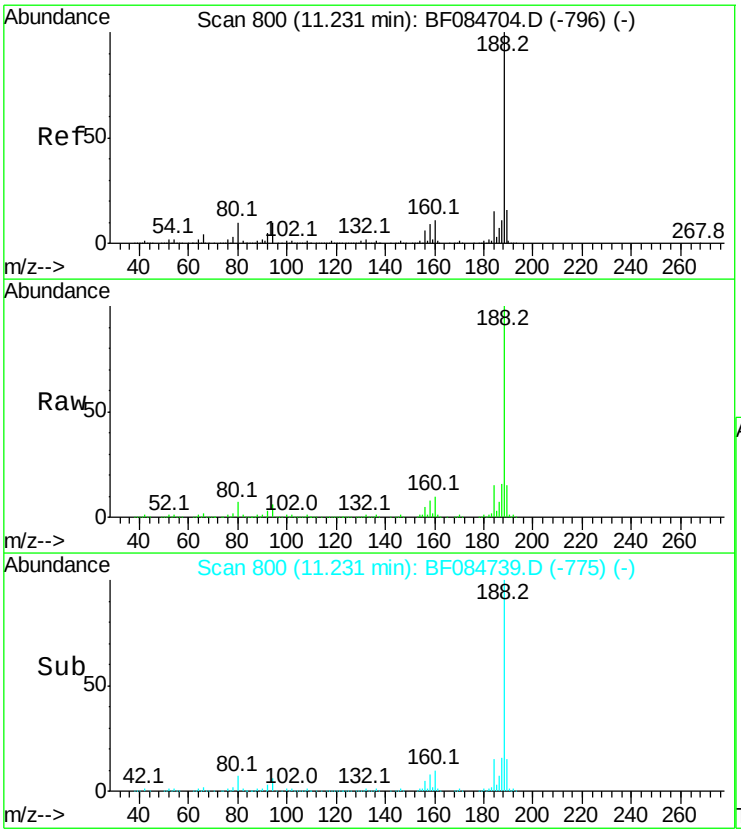
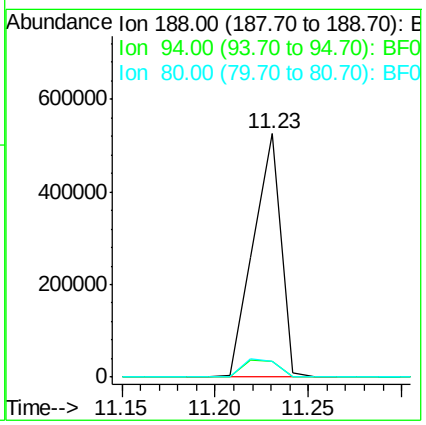
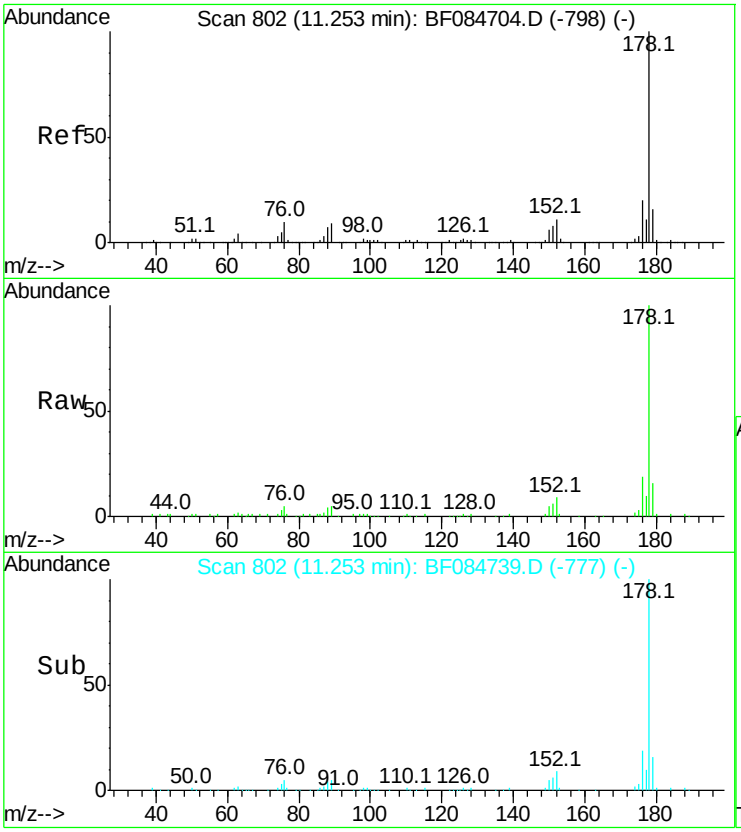


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF084739.D
Acq: 2 Feb 2016 5:08

Tgt Ion:188 Resp: 547401

Ion	Ratio	Lower	Upper
188	100		
94	6.4	9.0	13.4#
80	6.6	9.6	14.4#

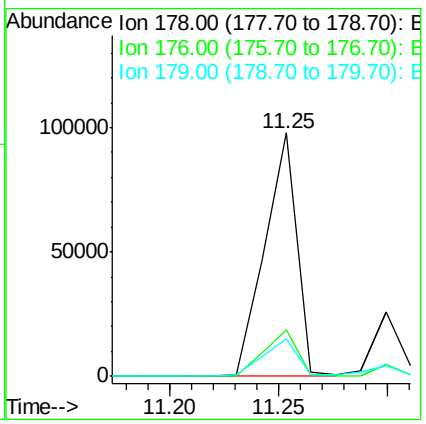




#70
Phenanthrene
Concen: 3.33 ng
RT: 11.25 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF084739.D
Acq: 2 Feb 2016 5:08

Tgt Ion:178 Resp: 101029

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.5	12.0	18.0



Instrument :
BNA_F
ClientSampleId :
SUP-B012(6-7.5)

Manual Integrations APPROVED
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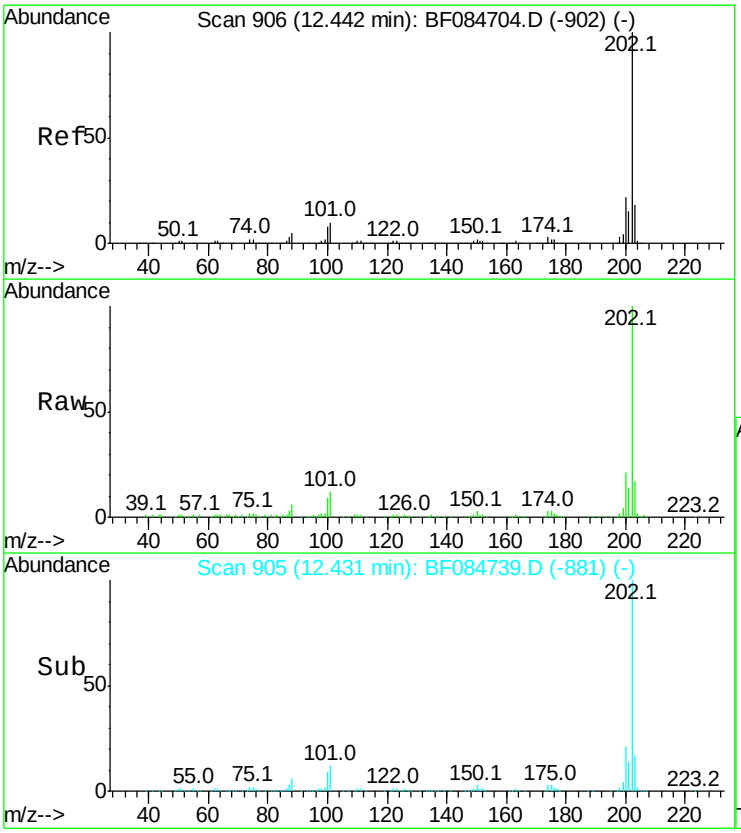
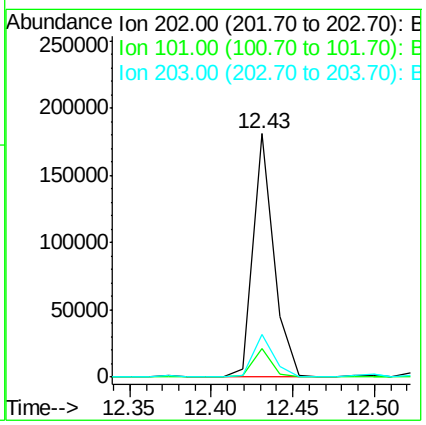
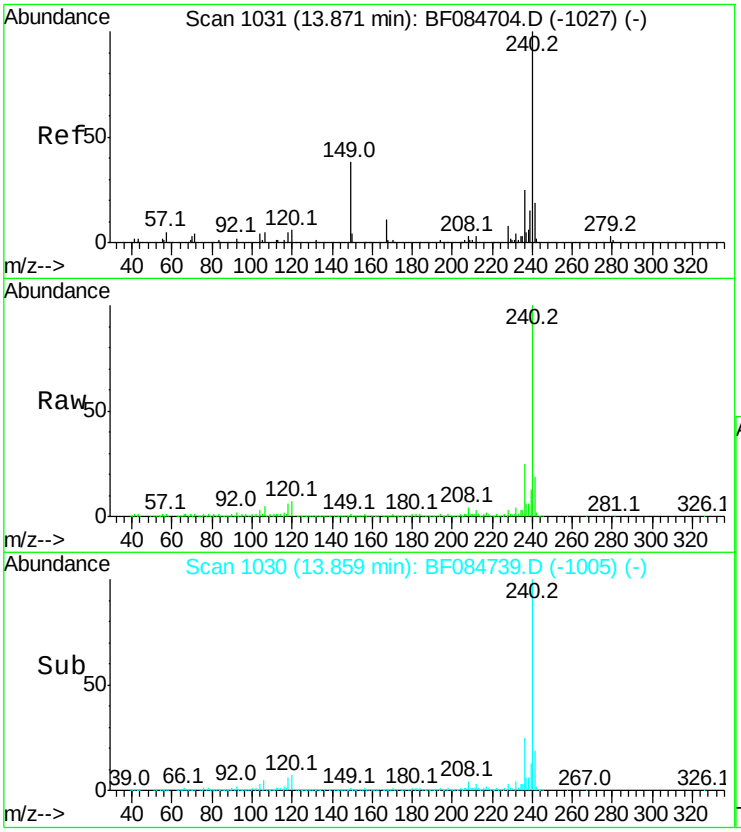


#74
Fluoranthene
Concen: 5.26 ng
RT: 12.43 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF084739.D
Acq: 2 Feb 2016 5:08

Tgt Ion:202 Resp: 161489

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	32.8
203	17.5	0.0	37.9

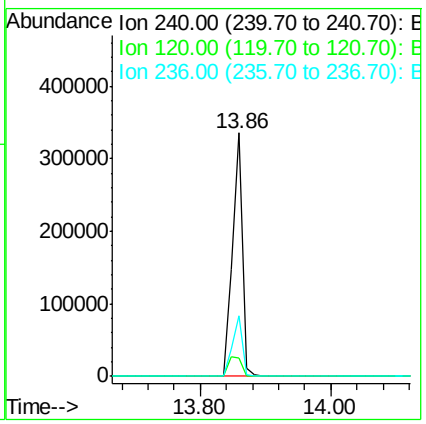




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.86 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF084739.D
Acq: 2 Feb 2016 5:08

Tgt Ion:240 Resp: 345456

Ion	Ratio	Lower	Upper
240	100		
120	7.3	9.5	14.3#
236	24.7	20.6	31.0



Instrument :
BNA_F
ClientSampleId :
SUP-B012(6-7.5)

Manual Integrations APPROVED
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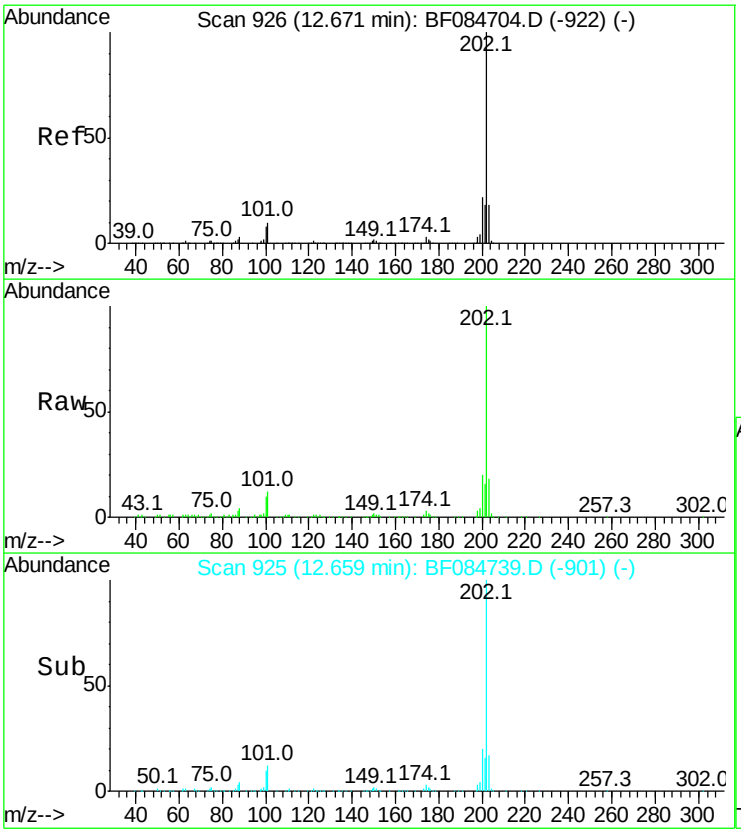
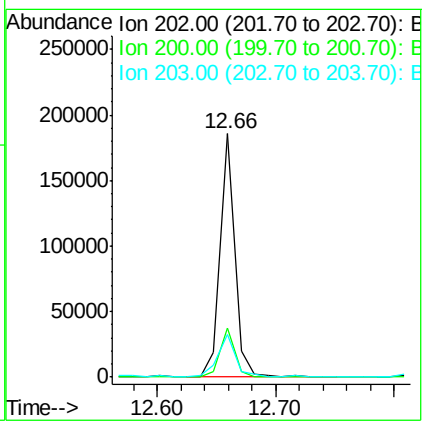
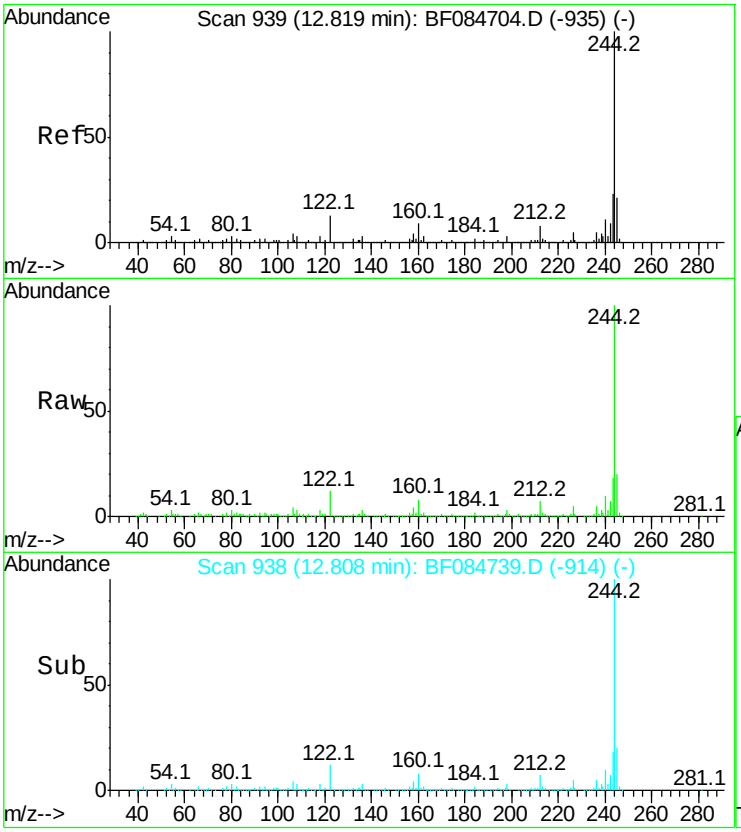


#77
Pyrene
Concen: 5.87 ng
RT: 12.66 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF084739.D
Acq: 2 Feb 2016 5:08

Tgt Ion:202 Resp: 155312

Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.2	25.8
203	17.6	14.3	21.5

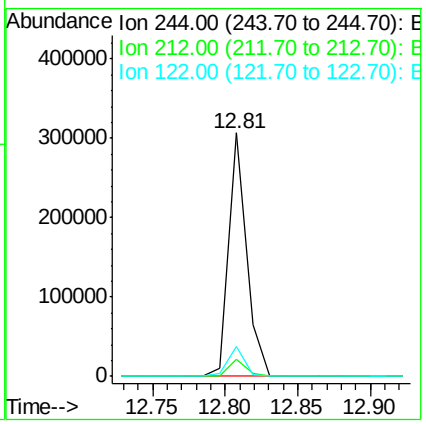




#78
Terphenyl-d14
Concen: 17.26 ng
RT: 12.81 min Scan# 938
Delta R.T. -0.02 min
Lab File: BF084739.D
Acq: 2 Feb 2016 5:08

Tgt Ion:244 Resp: 263146

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	12.1	7.4	11.0#



Instrument :
BNA_F
ClientSampleId :
SUP-B012(6-7.5)

Manual Integrations APPROVED
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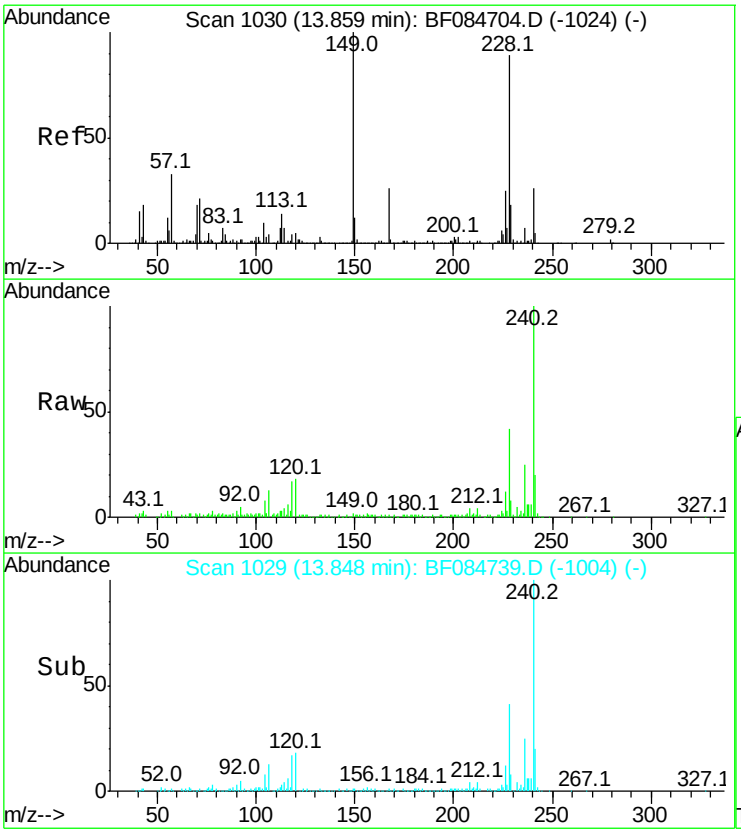
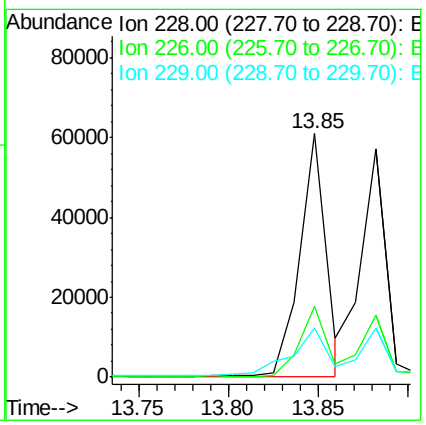
2/2/2016 4:19:08 PM

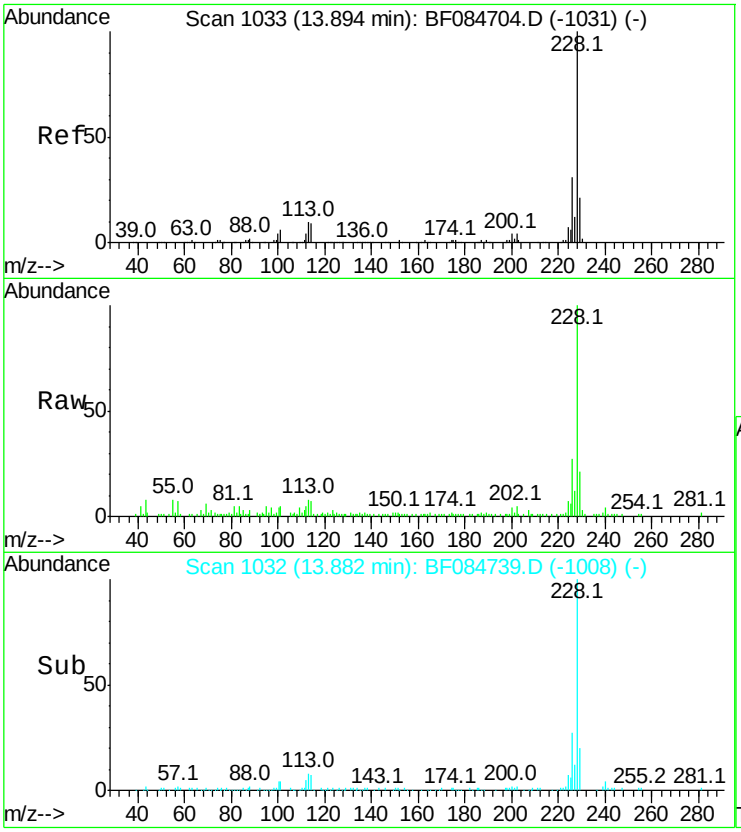


#80
Benzo(a)anthracene
Concen: 2.94 ng m
RT: 13.85 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF084739.D
Acq: 2 Feb 2016 5:08

Tgt Ion:228 Resp: 62933

Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.8	32.6
229	20.2	15.8	23.8

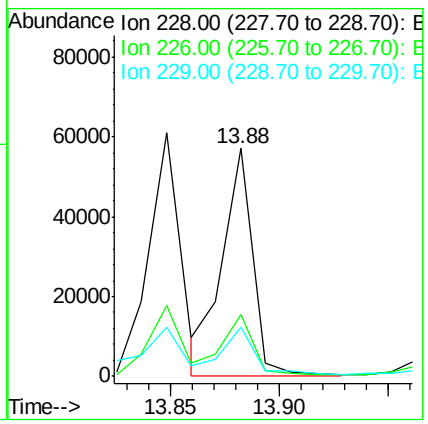




#82
Chrysene
Concen: 2.67 ng m
RT: 13.88 min Scan# 1032
Delta R.T. -0.02 min
Lab File: BF084739.D
Acq: 2 Feb 2016 5:08

Tgt Ion:228 Resp: 55594

Ion	Ratio	Lower	Upper
228	100		
226	27.2	24.3	36.5
229	21.3	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SUP-B012(6-7.5)

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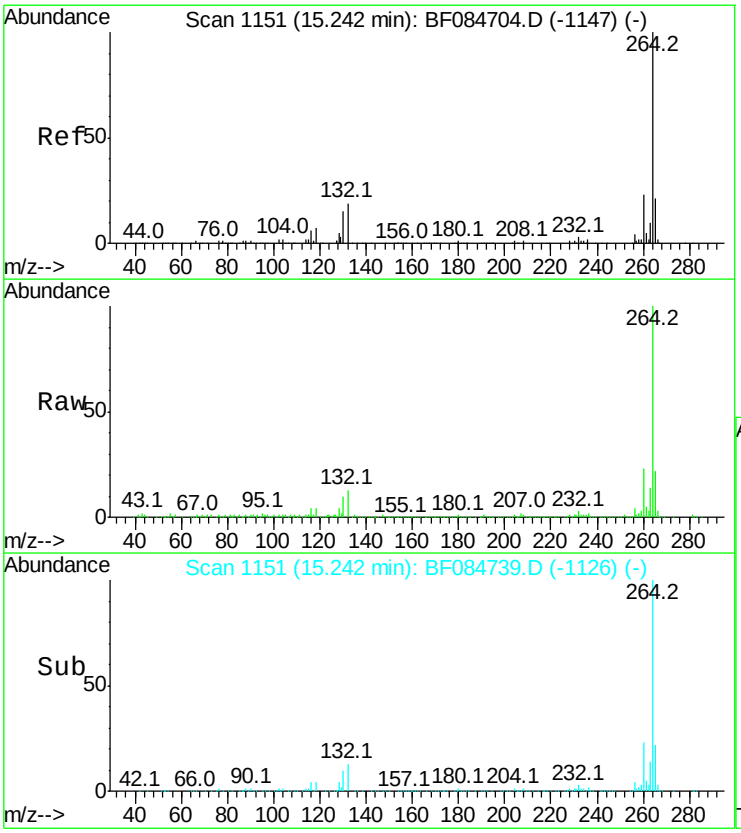
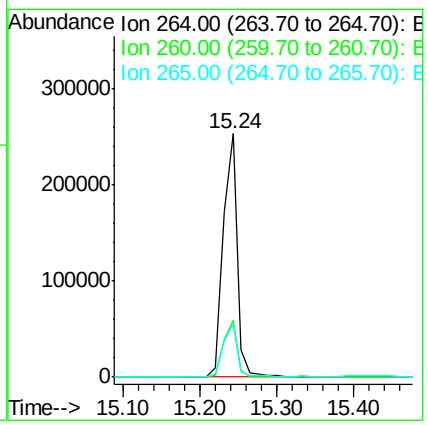
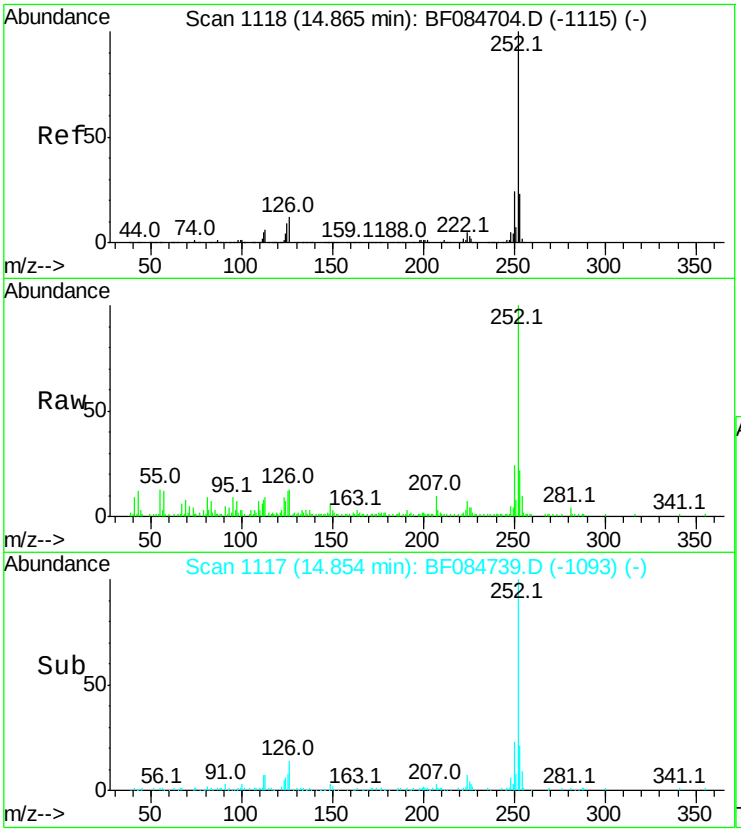


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF084739.D
Acq: 2 Feb 2016 5:08

Tgt Ion:264 Resp: 328632

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.4	29.2
265	21.9	17.8	26.6

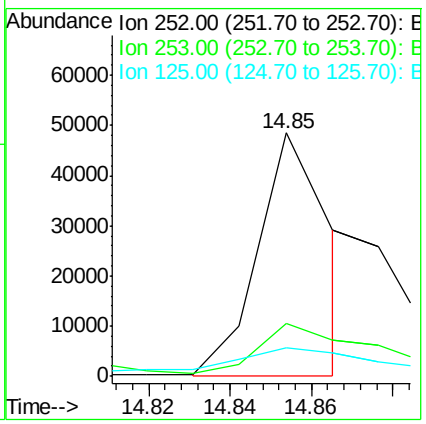




#87
Benzo(b)fluoranthene
Concen: 2.72 ng m
RT: 14.85 min Scan# 1117
Delta R.T. -0.02 min
Lab File: BF084739.D
Acq: 2 Feb 2016 5:08

Tgt Ion:252 Resp: 60154

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	11.6	6.5	9.7#



Instrument :
BNA_F
ClientSampleId :
SUP-B012(6-7.5)

Manual Integrations APPROVED
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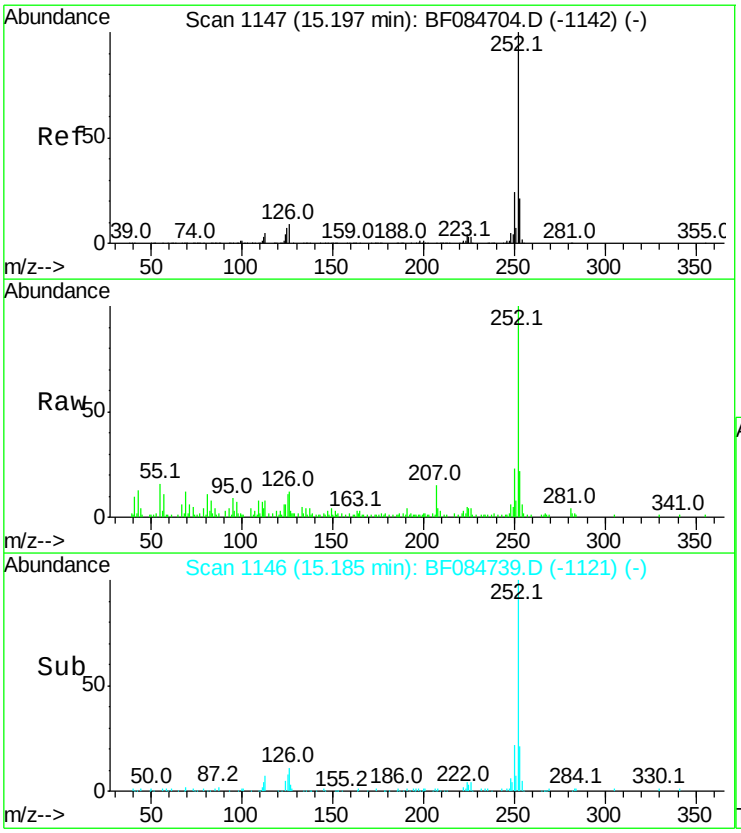
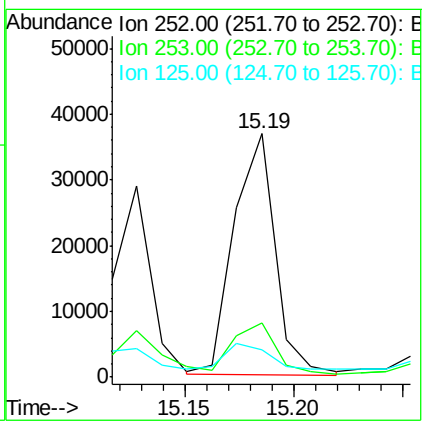
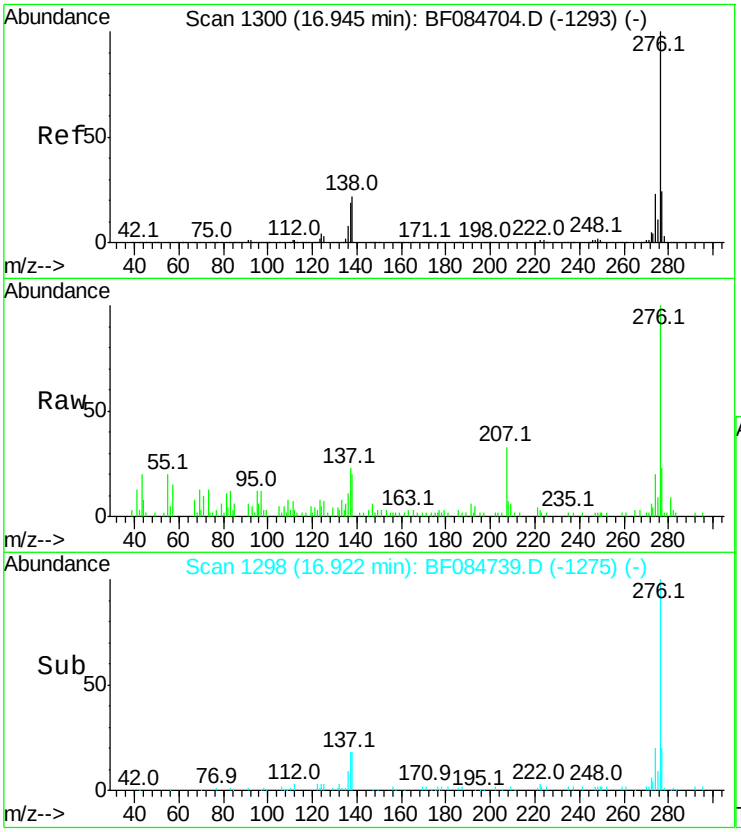


#89
Benzo(a)pyrene
Concen: 2.57 ng
RT: 15.19 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF084739.D
Acq: 2 Feb 2016 5:08

Tgt Ion:252 Resp: 48425

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.3	25.9
125	11.3	7.0	10.4#

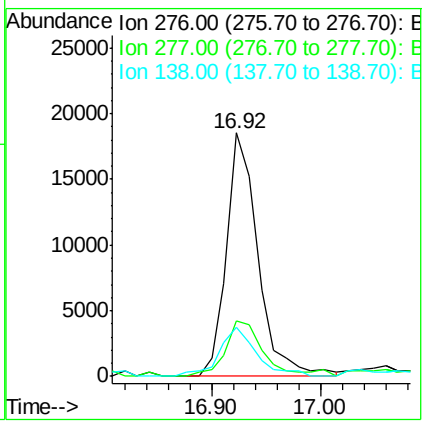




#91
Benzo(g,h,i)perylene
Concen: 2.33 ng
RT: 16.92 min Scan# 1298
Delta R.T. -0.03 min
Lab File: BF084739.D
Acq: 2 Feb 2016 5:08

Tgt Ion:276 Resp: 37202

Ion	Ratio	Lower	Upper
276	100		
277	22.7	18.8	28.2
138	20.0	17.8	26.6



Instrument :
BNA_F
ClientSampleId :
SUP-B012(6-7.5)

Manual Integrations APPROVED
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