Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093312.D
Acq On : 2 Mar 2017 1:53
Operator : SJ/MA
Sample : I1995-03 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : U-2

Manual Integrations APPROVED
mohammad
3/2/2017 1:43:04 PM

Quant Time: Mar 02 11:58:43 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	114717	20.00	ng		-0.05
21) Naphthalene-d8	8.09	136	407787	20.00	ng		-0.06
38) Acenaphthene-d10	9.85	164	170814	20.00	ng		-0.05
63) Phenanthrene-d10	11.33	188	297201	20.00	ng		-0.05
75) Chrysene-d12	13.97	240	296181	20.00	ng		-0.05
86) Perylene-d12	15.40	264	214971	20.00	ng		-0.05
System Monitoring Compounds							
5) 2-Fluorophenol	5.40	112	125363	18.75	ng		-0.05
7) Phenol-d6	6.45	99	471183	54.77	ng		-0.03
23) Nitrobenzene-d5	7.38	82	309533	42.27	ng		-0.05
41) 2,4,6-Tribromophenol	10.65	330	10169	8.23	ng		-0.03
44) 2-Fluorobiphenyl	9.16	172	521435	55.30	ng		-0.06
78) Terphenyl-d14	12.92	244	435278	34.53	ng		-0.05
Target Compounds							Qvalue
49) Dimethylphthalate	9.56	163	157202	13.66	ng	#	99
70) Phenanthrene	11.36	178	73324	4.31	ng		96
74) Fluoranthene	12.55	202	103871	5.91	ng		99
77) Pyrene	12.77	202	109668	4.95	ng		98
80) Benzo(a)anthracene	13.96	228	47936m	2.65	ng		
82) Chrysene	14.00	228	56132m	3.31	ng		
87) Benzo(b)fluoranthene	15.00	252	53738m	3.80	ng		
89) Benzo(a)pyrene	15.35	252	36900	3.01	ng	#	67
91) Benzo(g,h,i)perylene	17.23	276	21829	2.18	ng	#	68

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

Quantitation Report (LSC Reviewed)

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Instrument :
BNA_F
ClientSampleId :
U-2

Manual Integrations APPROVED
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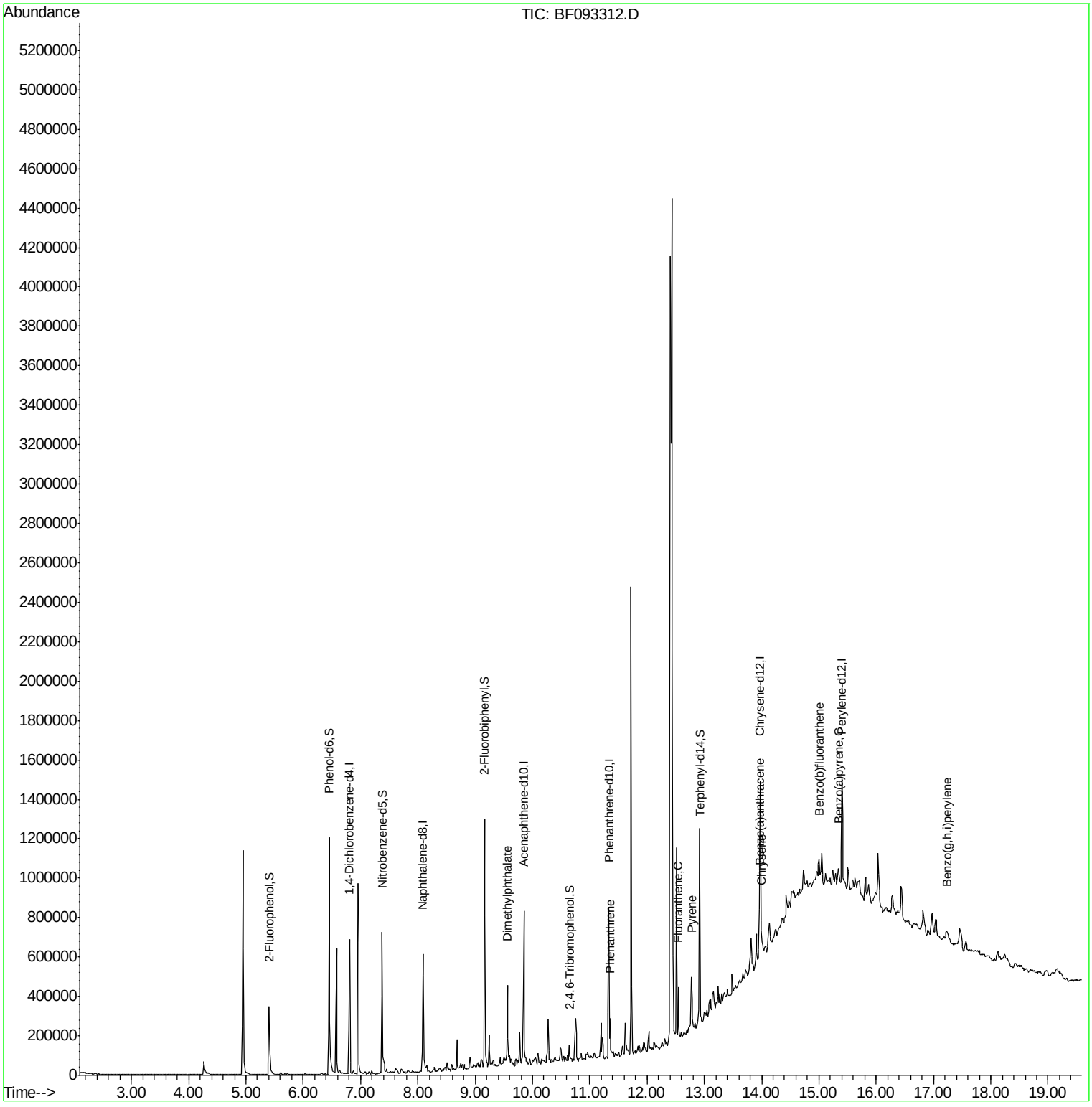
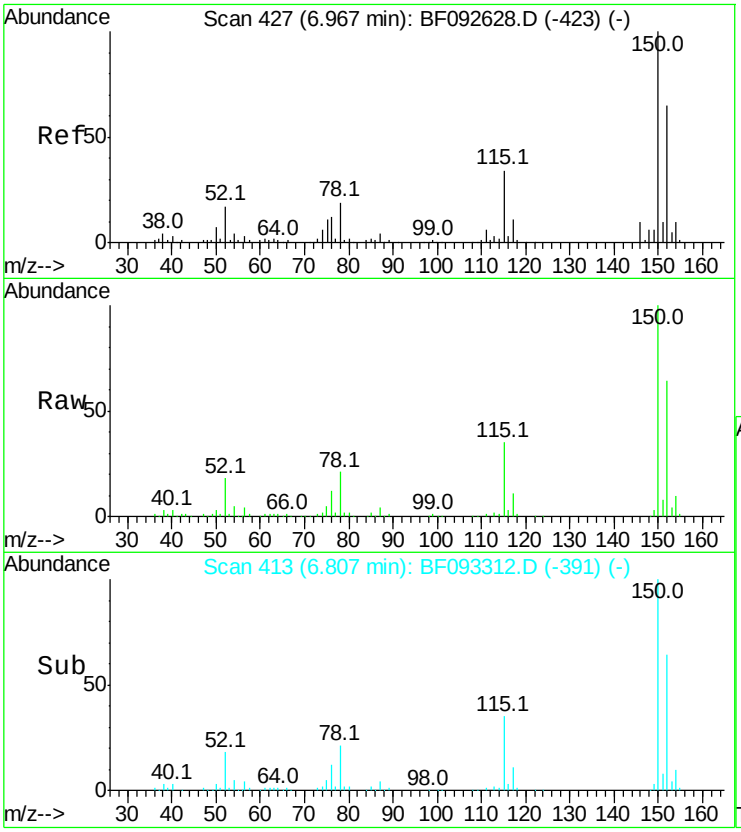
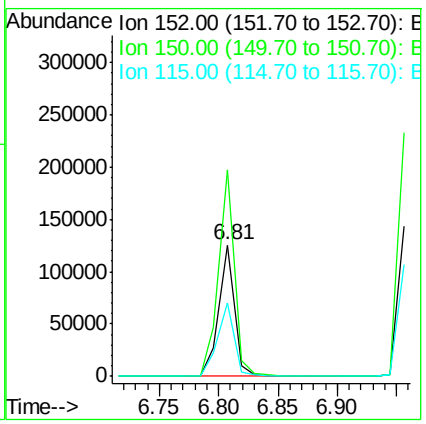




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093312.D
Acq: 2 Mar 2017 1:53

Tgt Ion:152 Resp: 114717

Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.9	187.3
115	55.7	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
U-2

Manual Integrations APPROVED
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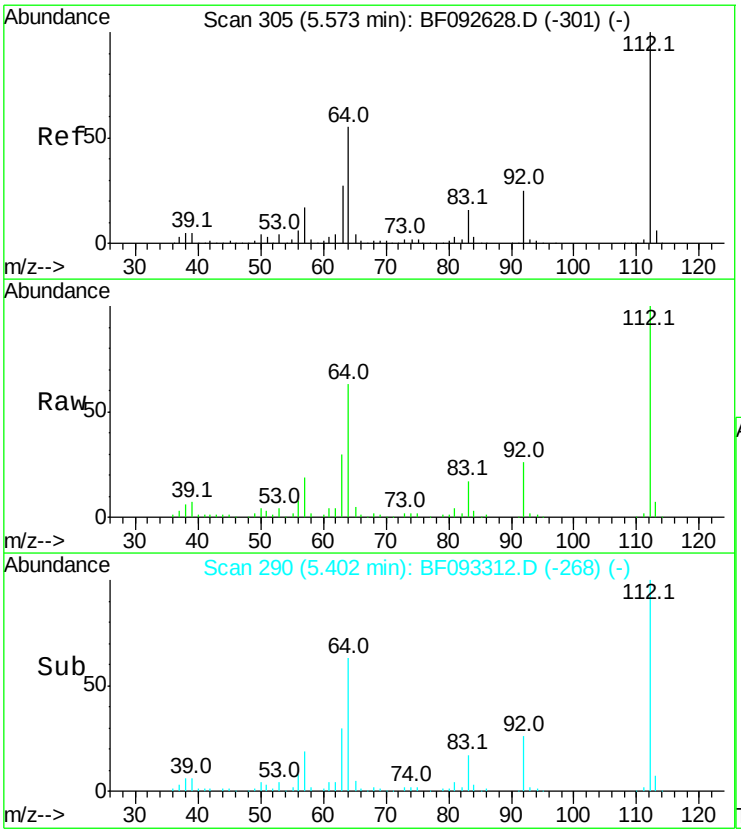
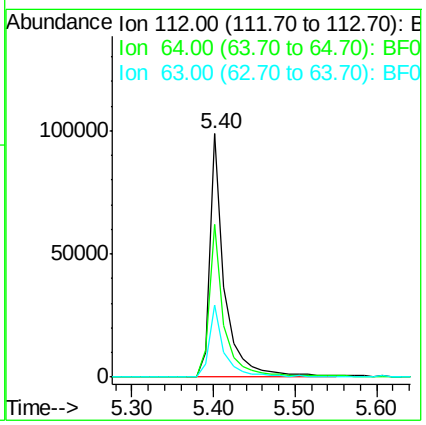
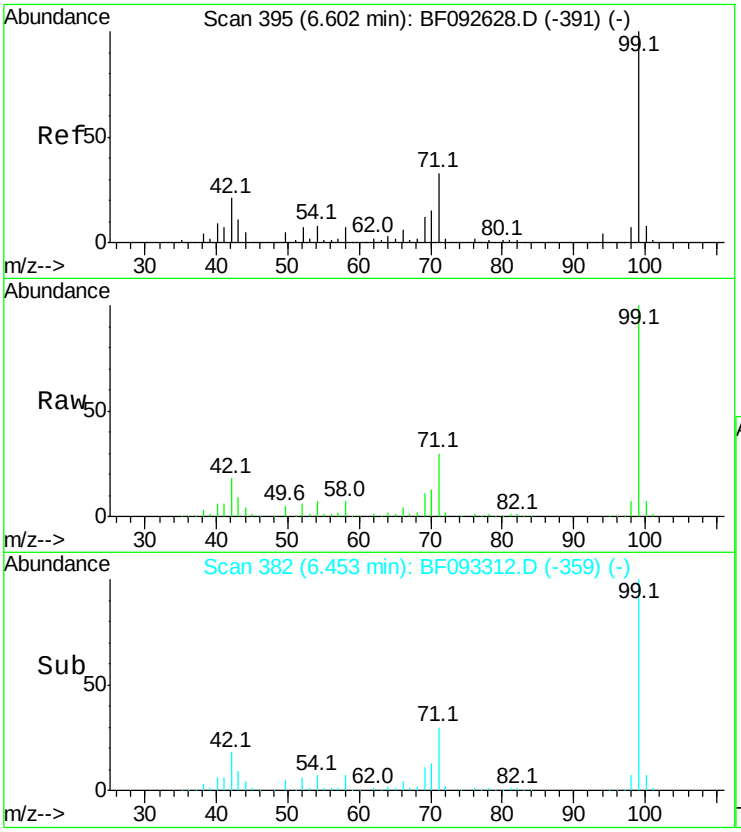


#5
2-Fluorophenol
Concen: 18.75 ng
RT: 5.40 min Scan# 290
Delta R.T. -0.05 min
Lab File: BF093312.D
Acq: 2 Mar 2017 1:53

Tgt Ion:112 Resp: 125363

Ion	Ratio	Lower	Upper
112	100		
64	62.8	46.1	69.1
63	29.8	23.8	35.6

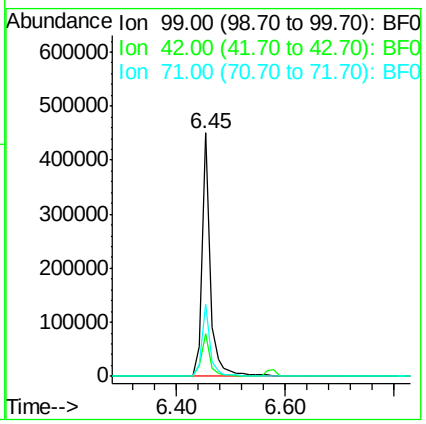




#7
Phenol-d6
Concen: 54.77 ng
RT: 6.45 min Scan# 382
Delta R.T. -0.03 min
Lab File: BF093312.D
Acq: 2 Mar 2017 1:53

Tgt Ion: 99 Resp: 471183

Ion	Ratio	Lower	Upper
99	100		
42	17.6	15.6	23.4
71	29.7	27.5	41.3



Instrument :
BNA_F
ClientSampleId :
U-2

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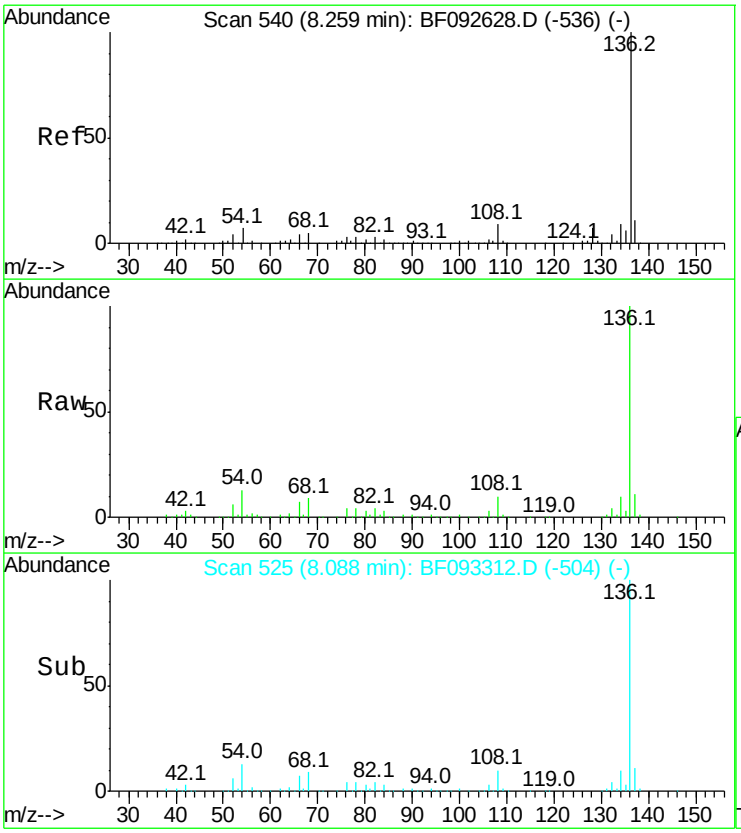
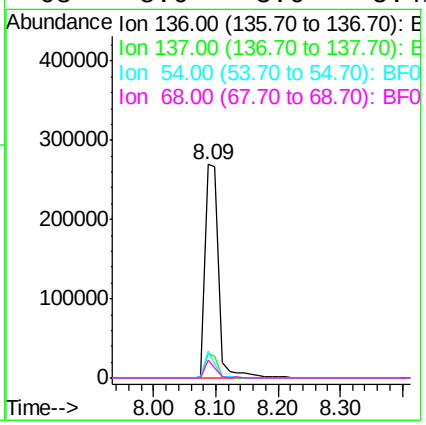
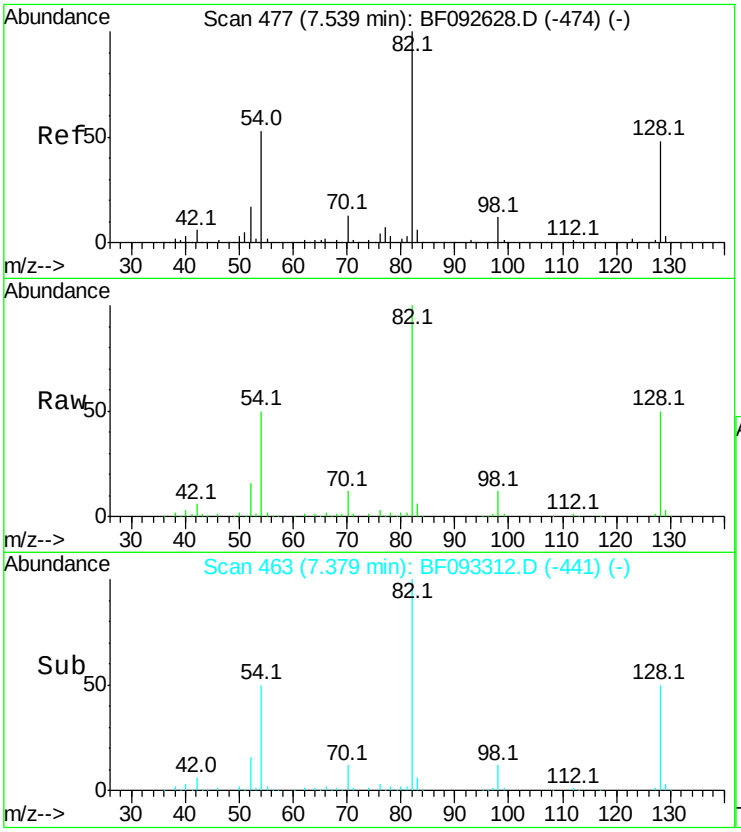


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.06 min
Lab File: BF093312.D
Acq: 2 Mar 2017 1:53

Tgt Ion:136 Resp: 407787

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.4	12.6
54	12.8	4.5	6.7#
68	8.6	3.6	5.4#

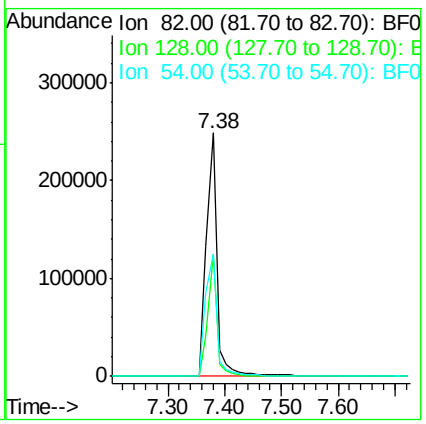




#23
Nitrobenzene-d5
Concen: 42.27 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093312.D
Acq: 2 Mar 2017 1:53

Tgt Ion: 82 Resp: 309533

Ion	Ratio	Lower	Upper
82	100		
128	50.1	34.6	52.0
54	50.2	39.5	59.3



Instrument :
BNA_F
ClientSampleId :
U-2

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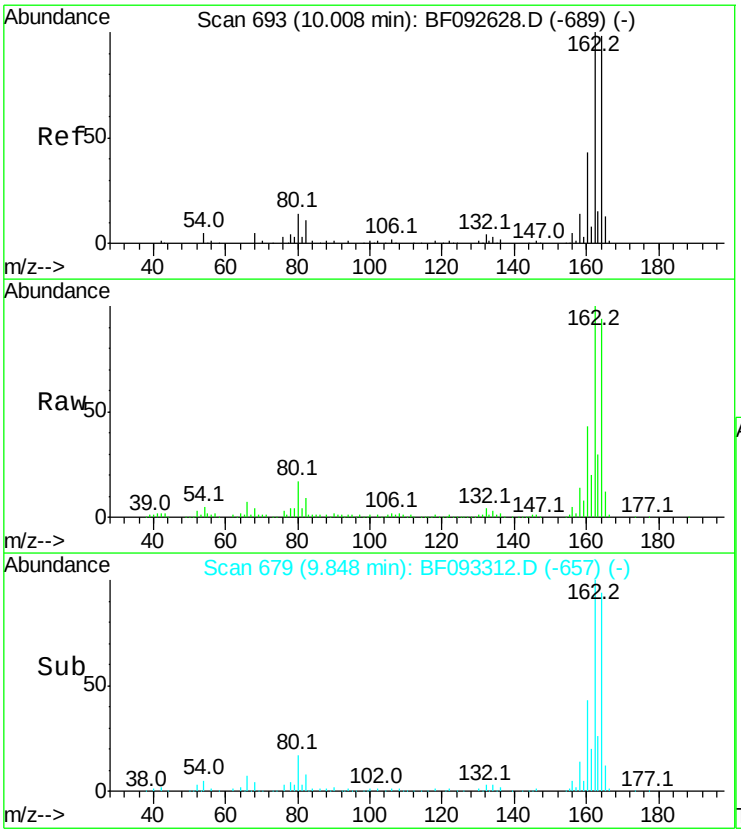
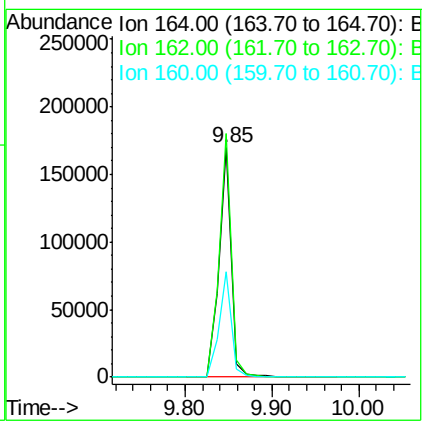
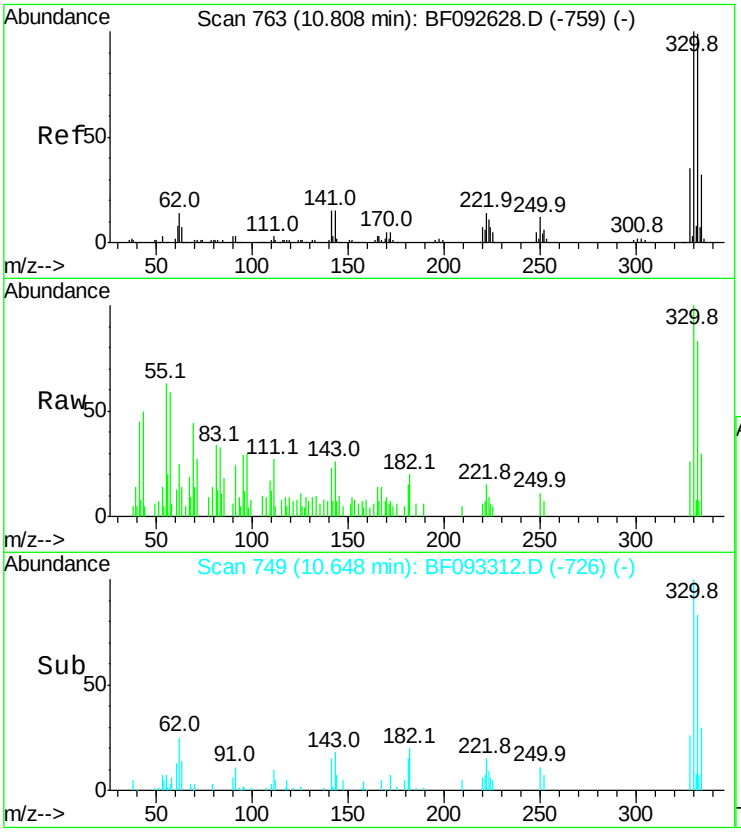


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.05 min
Lab File: BF093312.D
Acq: 2 Mar 2017 1:53

Tgt Ion:164 Resp: 170814

Ion	Ratio	Lower	Upper
164	100		
162	106.2	80.2	120.2
160	46.1	36.9	55.3

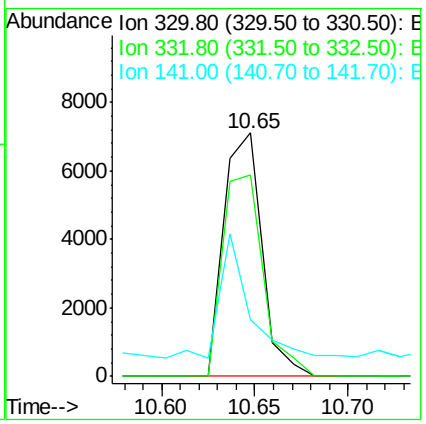




#41
2,4,6-Tribromophenol
Concen: 8.23 ng
RT: 10.65 min Scan# 749
Delta R.T. -0.03 min
Lab File: BF093312.D
Acq: 2 Mar 2017 1:53

Tgt Ion:330 Resp: 10169

Ion	Ratio	Lower	Upper
330	100		
332	88.5	77.4	116.2
141	50.4	34.1	51.1



Instrument :
BNA_F
ClientSampleId :
U-2

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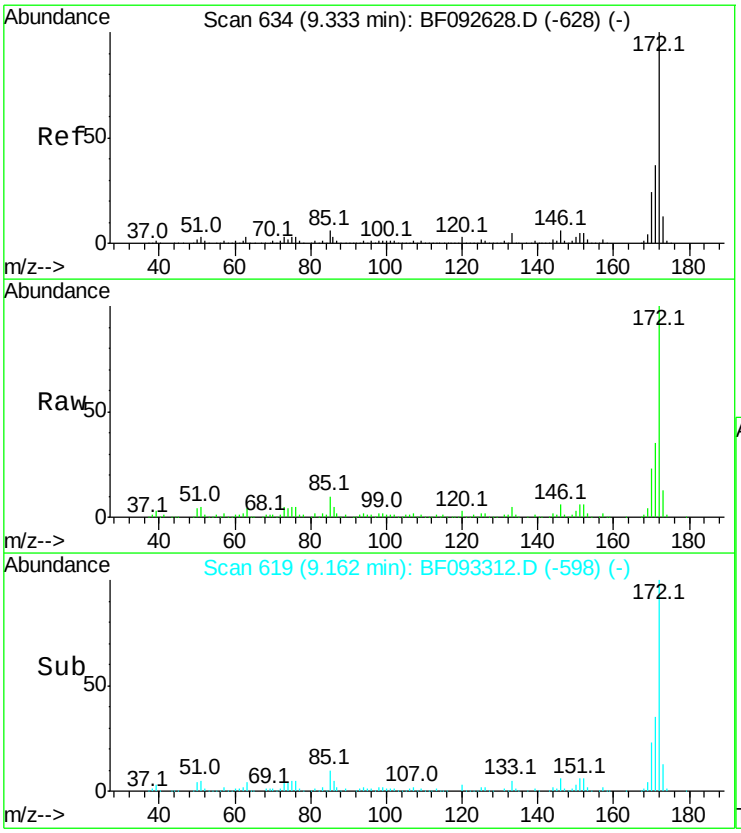
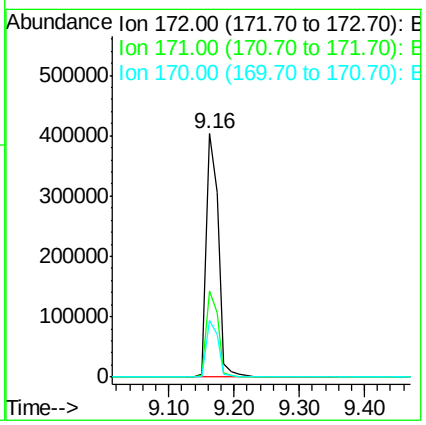
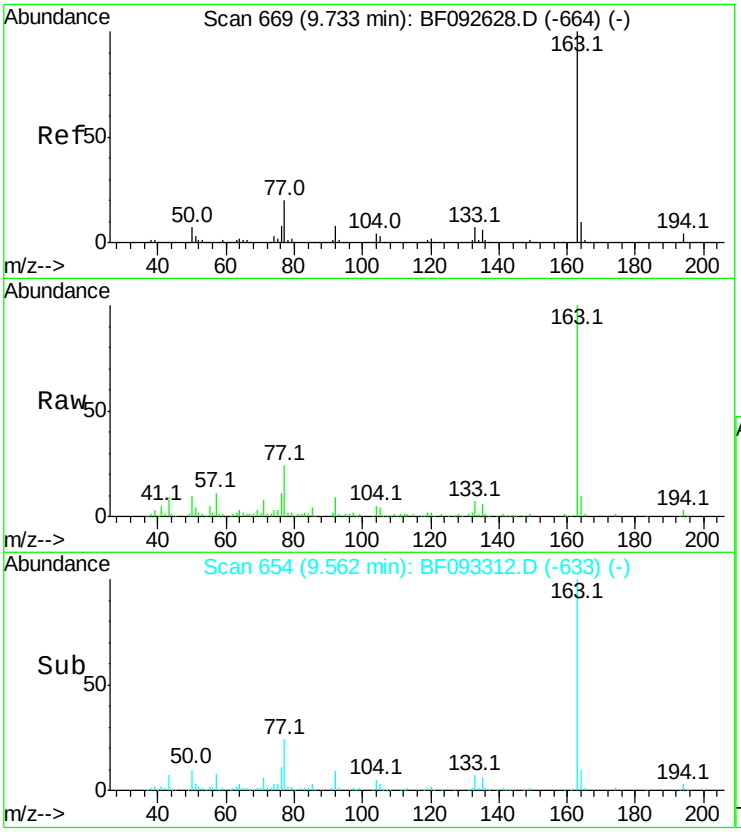


#44
2-Fluorobiphenyl
Concen: 55.30 ng
RT: 9.16 min Scan# 619
Delta R.T. -0.06 min
Lab File: BF093312.D
Acq: 2 Mar 2017 1:53

Tgt Ion:172 Resp: 521435

Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.4	44.0
170	23.4	20.2	30.4

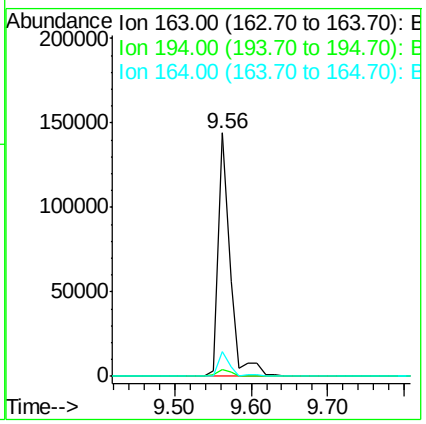




#49
Dimethylphthalate
Concen: 13.66 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.06 min
Lab File: BF093312.D
Acq: 2 Mar 2017 1:53

Tgt Ion:163 Resp: 157202

Ion	Ratio	Lower	Upper
163	100		
194	2.7	3.0	4.4#
164	10.0	8.0	12.0



Instrument :
BNA_F
ClientSampleId :
U-2

Manual Integrations APPROVED
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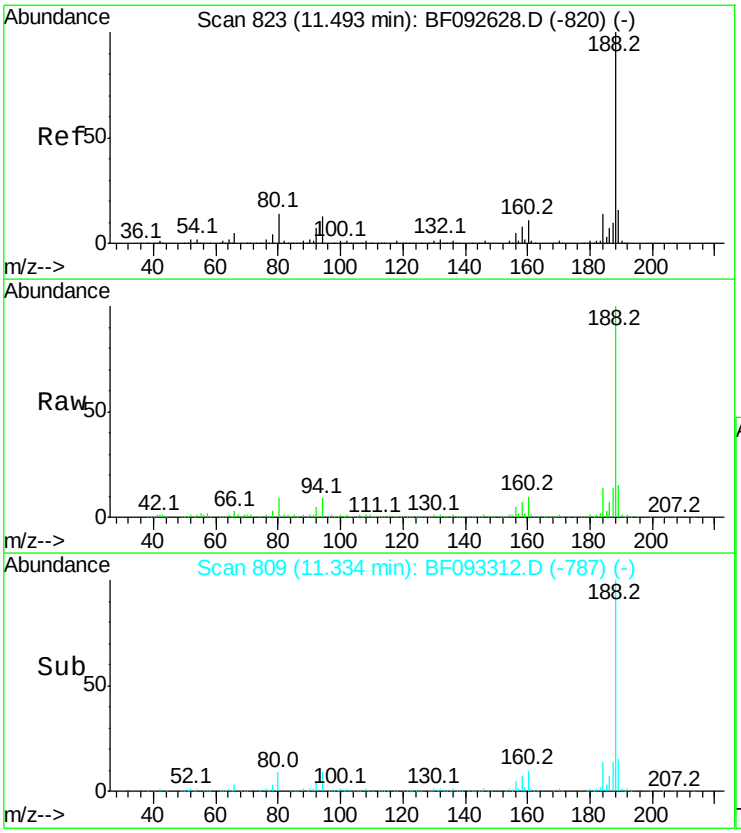
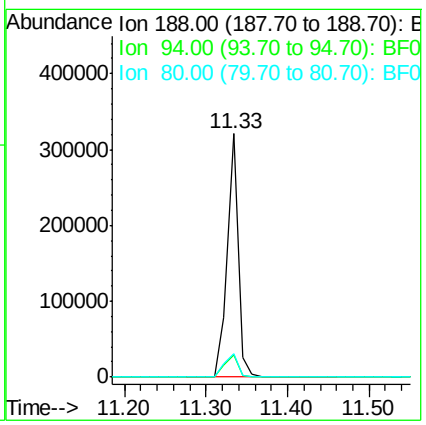
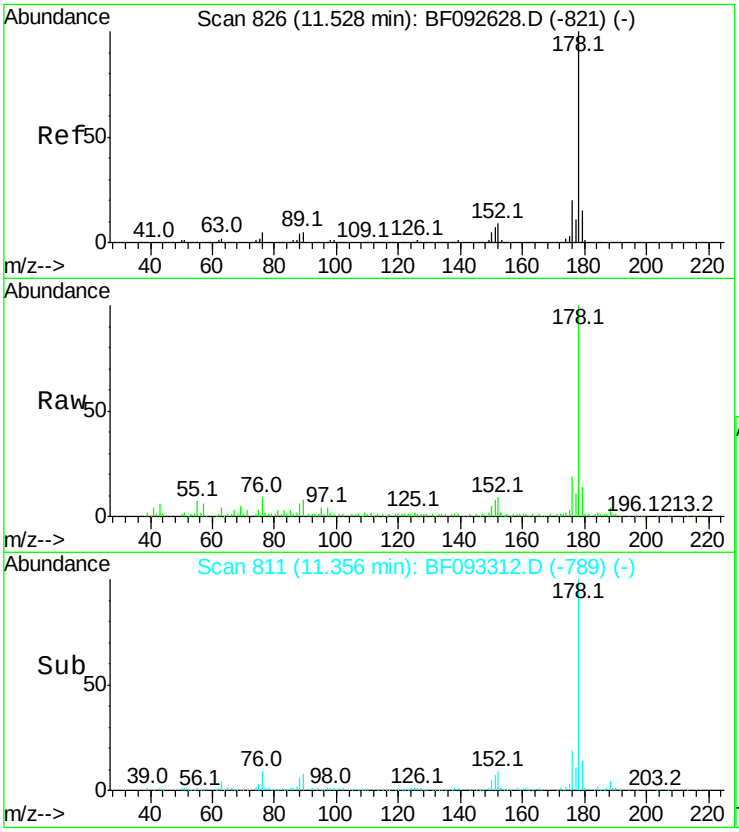


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093312.D
Acq: 2 Mar 2017 1:53

Tgt Ion:188 Resp: 297201

Ion	Ratio	Lower	Upper
188	100		
94	9.3	10.0	15.0#
80	9.5	11.2	16.8#

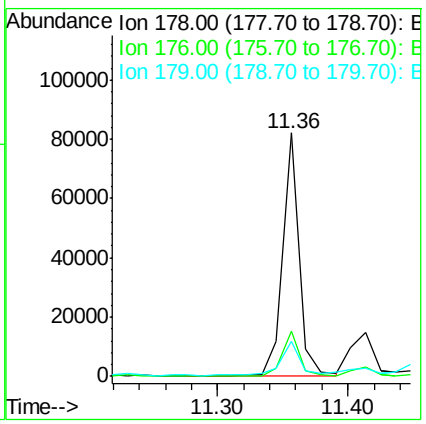




#70
Phenanthrene
Concen: 4.31 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.05 min
Lab File: BF093312.D
Acq: 2 Mar 2017 1:53

Tgt Ion:178 Resp: 73324

Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.6	25.0
179	14.5	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
U-2

Manual Integrations APPROVED
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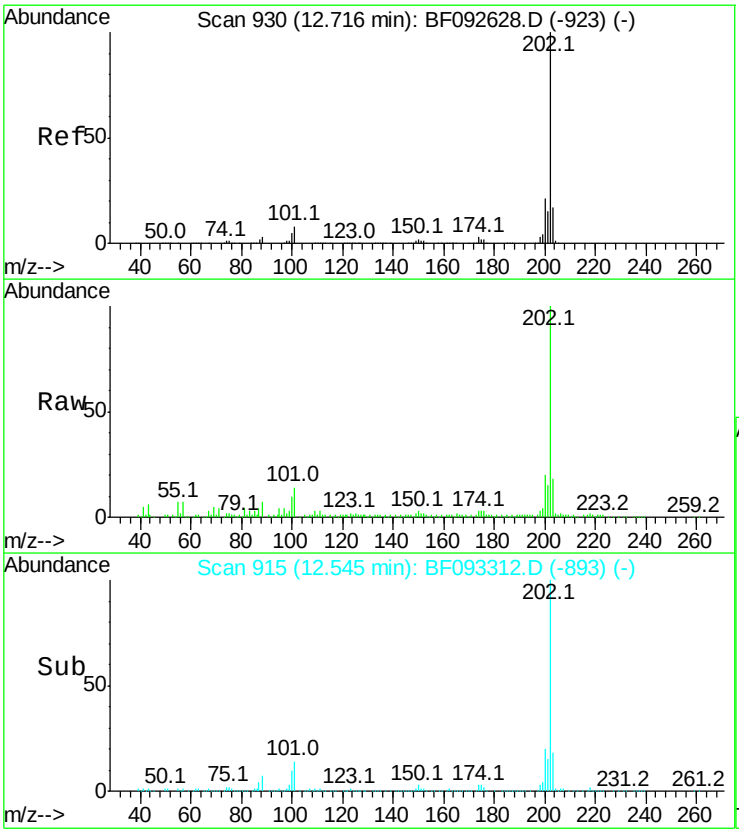
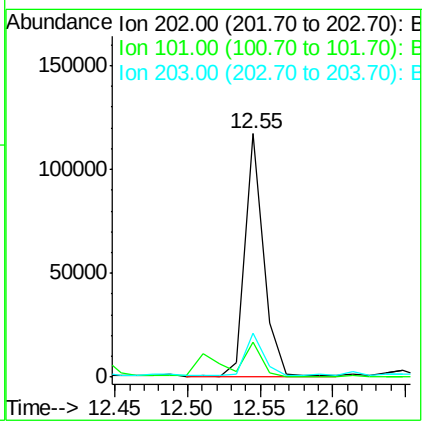
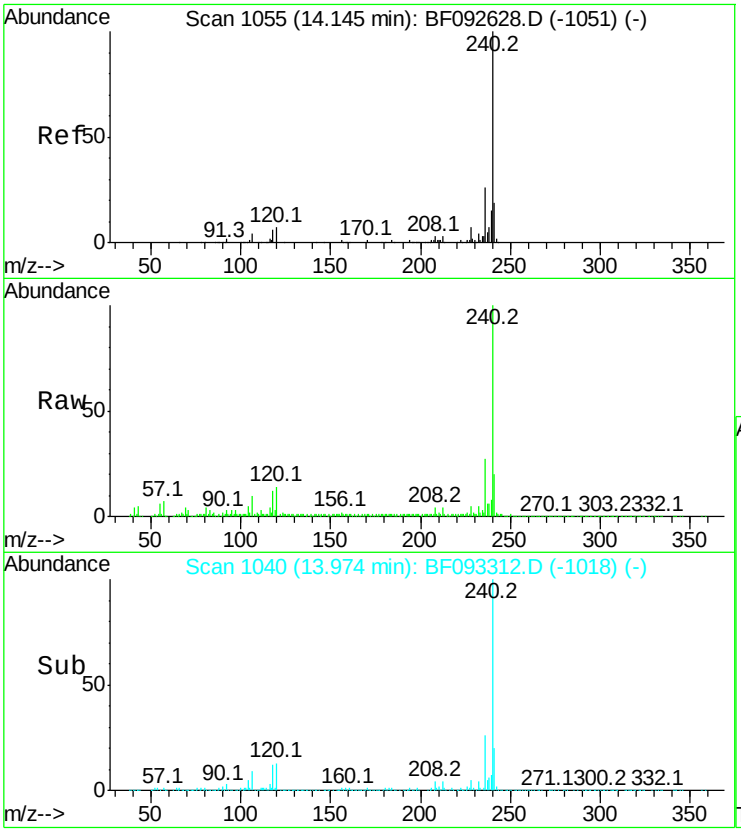


#74
Fluoranthene
Concen: 5.91 ng
RT: 12.55 min Scan# 915
Delta R.T. -0.05 min
Lab File: BF093312.D
Acq: 2 Mar 2017 1:53

Tgt Ion:202 Resp: 103871

Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	34.6
203	18.0	0.0	38.7

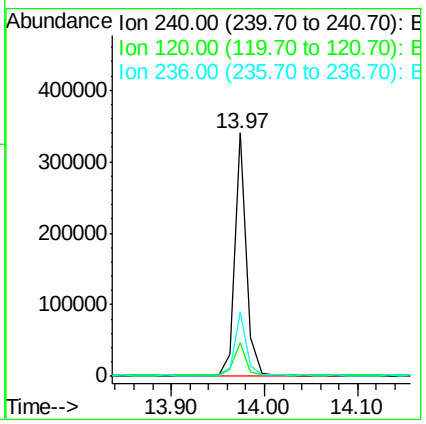




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.97 min Scan# 1040
Delta R.T. -0.05 min
Lab File: BF093312.D
Acq: 2 Mar 2017 1:53

Tgt Ion:240 Resp: 296181

Ion	Ratio	Lower	Upper
240	100		
120	13.7	12.9	19.3
236	26.5	20.9	31.3



Instrument :
BNA_F
ClientSampleId :
U-2

Manual Integrations APPROVED
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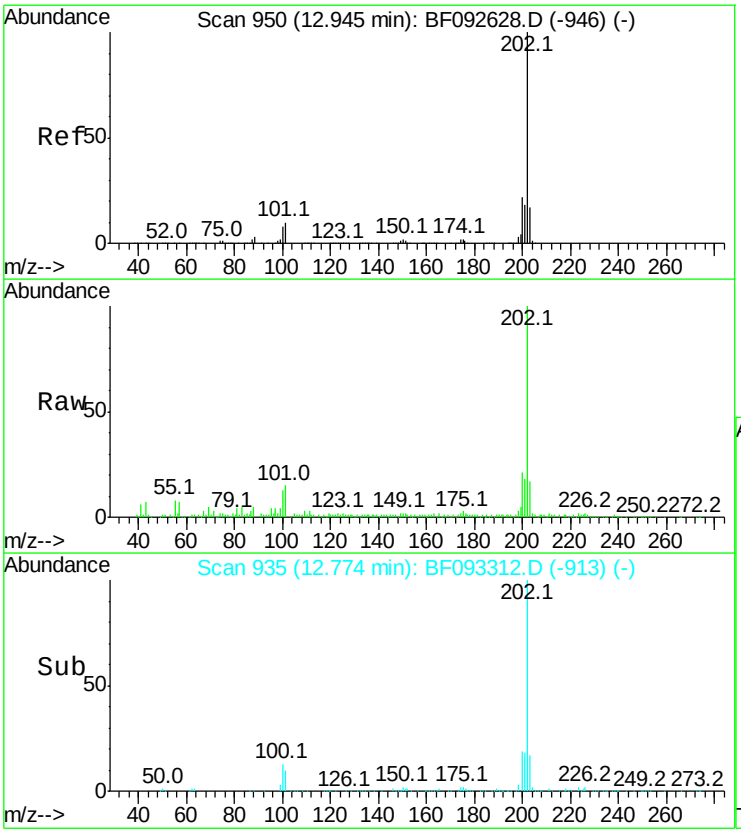
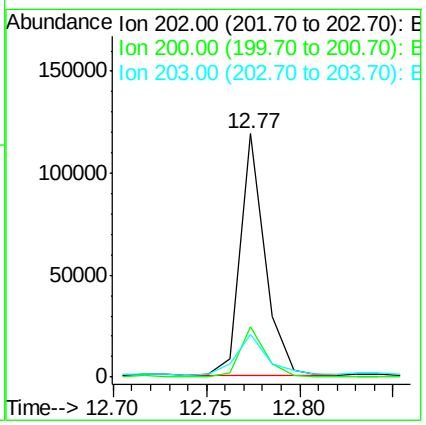
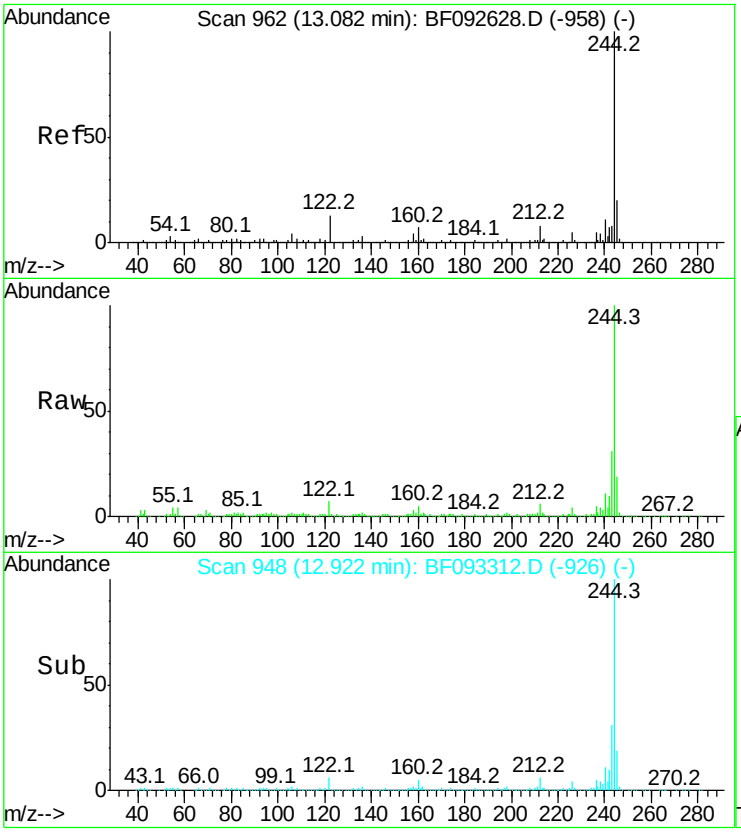


#77
Pyrene
Concen: 4.95 ng
RT: 12.77 min Scan# 935
Delta R.T. -0.05 min
Lab File: BF093312.D
Acq: 2 Mar 2017 1:53

Tgt Ion:202 Resp: 109668

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.7	26.5
203	17.5	14.7	22.1

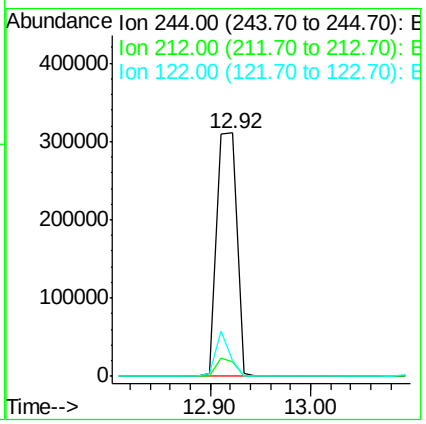




#78
Terphenyl-d14
Concen: 34.53 ng
RT: 12.92 min Scan# 948
Delta R.T. -0.05 min
Lab File: BF093312.D
Acq: 2 Mar 2017 1:53

Tgt Ion:244 Resp: 435278

Ion	Ratio	Lower	Upper
244	100		
212	6.1	6.2	9.2#
122	6.6	11.4	17.2#



Instrument :
BNA_F
ClientSampleId :
U-2

Manual Integrations APPROVED
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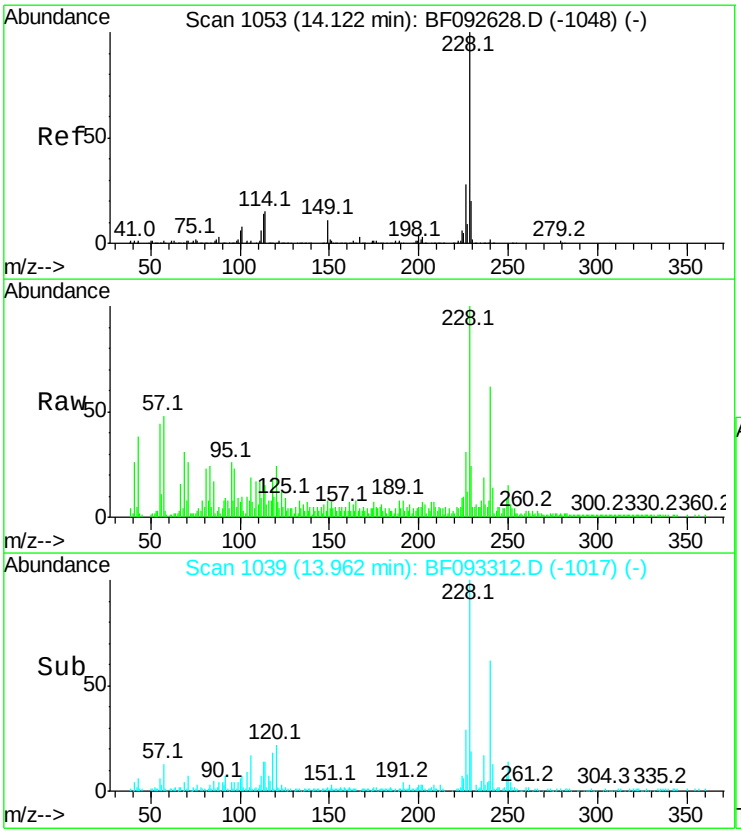
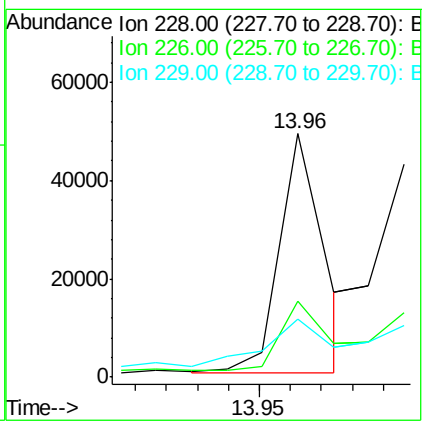
3/2/2017 1:43:04 PM

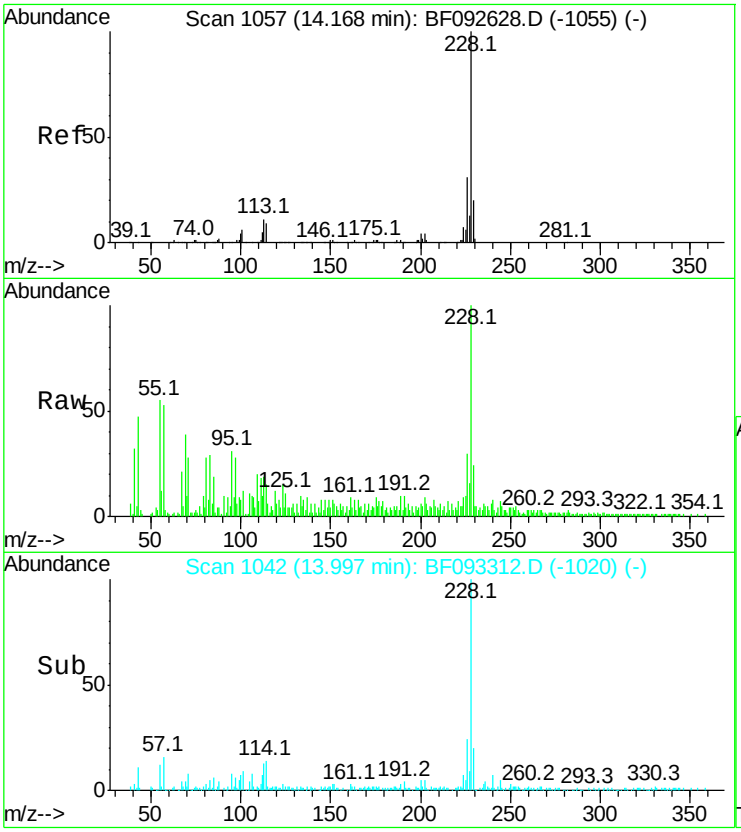


#80
Benzo(a)anthracene
Concen: 2.65 ng m
RT: 13.96 min Scan# 1039
Delta R.T. -0.05 min
Lab File: BF093312.D
Acq: 2 Mar 2017 1:53

Tgt Ion:228 Resp: 47936

Ion	Ratio	Lower	Upper
228	100		
226	31.2	22.4	33.6
229	24.0	16.2	24.4

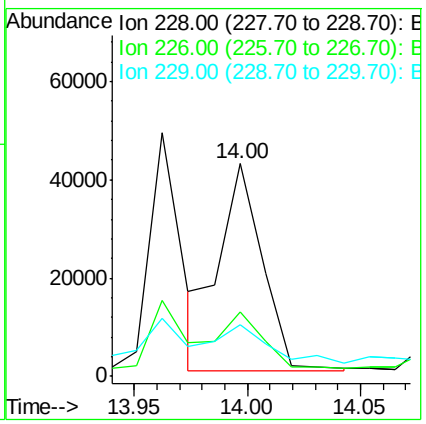




#82
Chrysene
Concen: 3.31 ng m
RT: 14.00 min Scan# 1042
Delta R.T. -0.05 min
Lab File: BF093312.D
Acq: 2 Mar 2017 1:53

Tgt Ion:228 Resp: 56132

Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.4	38.0
229	24.4	16.2	24.2#



Instrument :
BNA_F
ClientSampleId :
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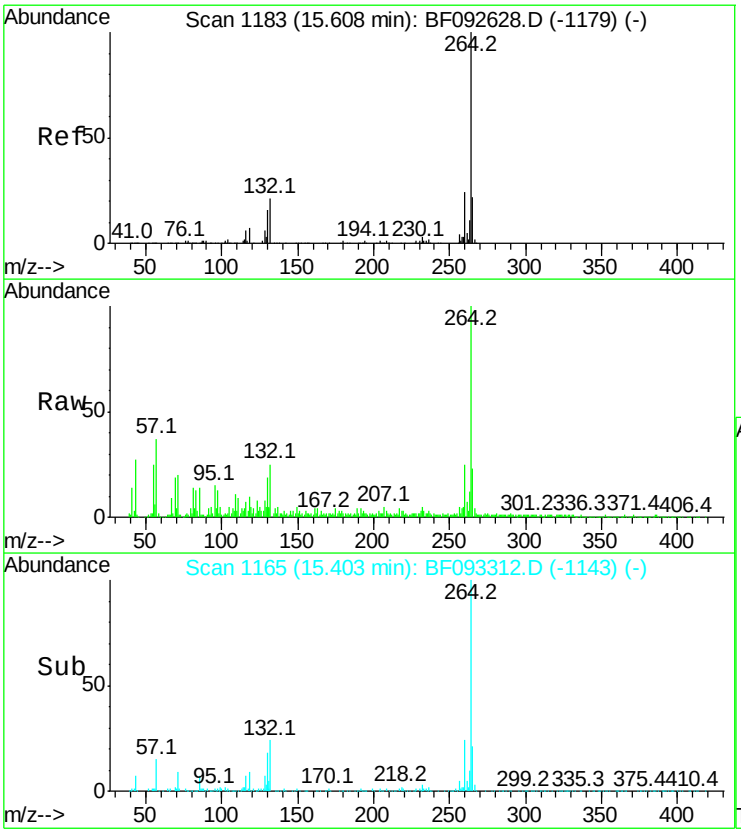
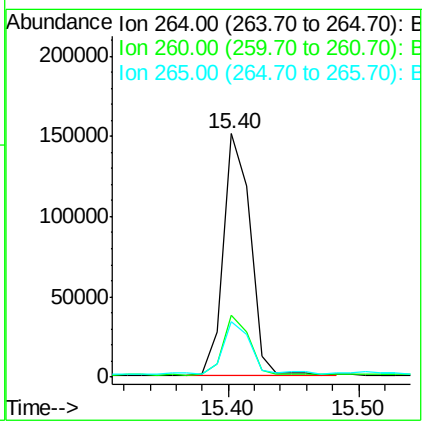
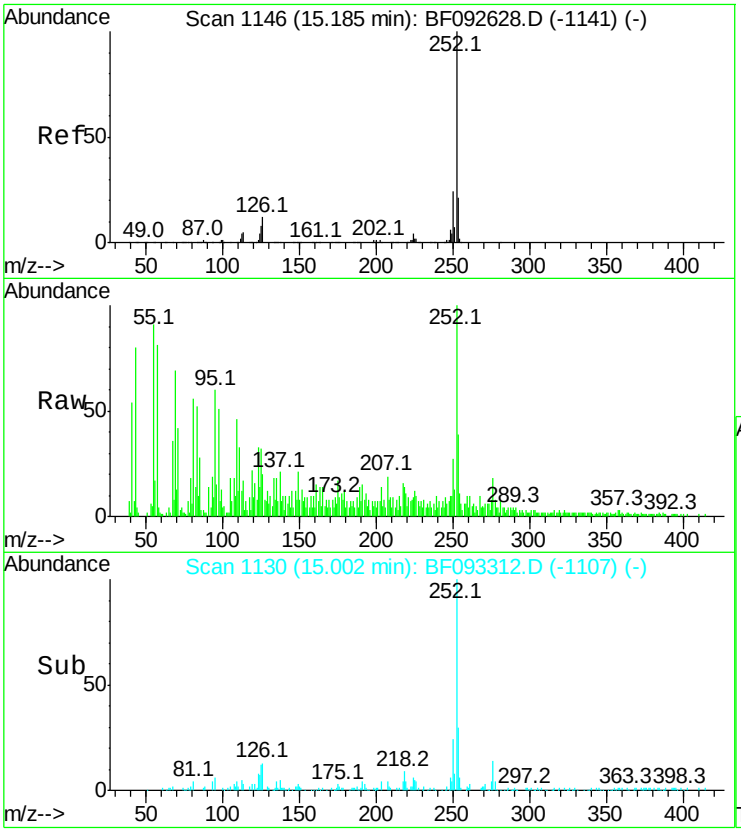


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.05 min
Lab File: BF093312.D
Acq: 2 Mar 2017 1:53

Tgt Ion:264 Resp: 214971

Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.2	28.8
265	22.6	17.4	26.0

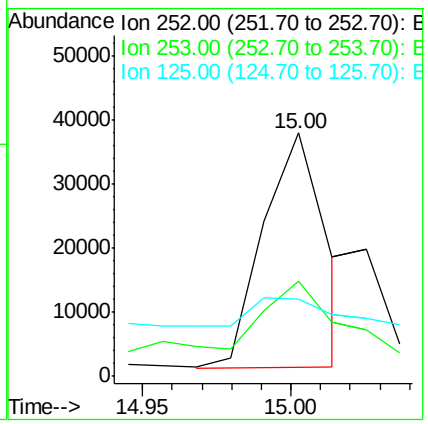




#87
Benzo(b)fluoranthene
Concen: 3.80 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF093312.D
Acq: 2 Mar 2017 1:53

Tgt Ion:252 Resp: 53738

Ion	Ratio	Lower	Upper
252	100		
253	38.9	18.2	27.4#
125	31.5	9.8	14.6#



Instrument :
BNA_F
ClientSampleId :
U-2

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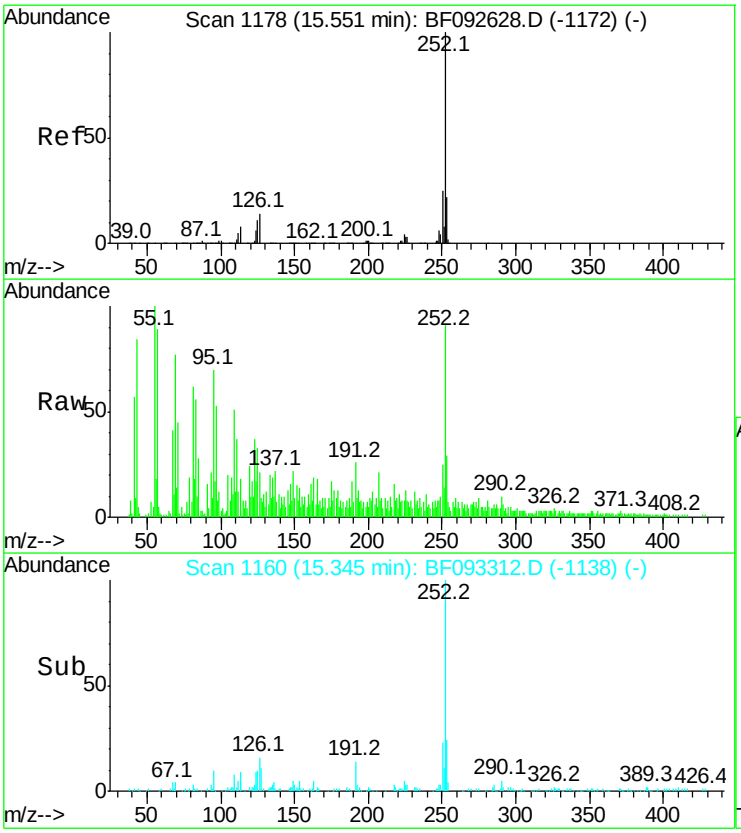
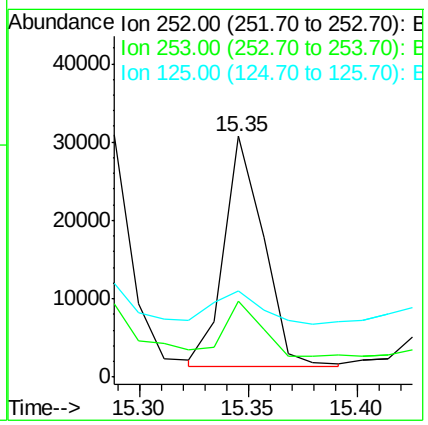
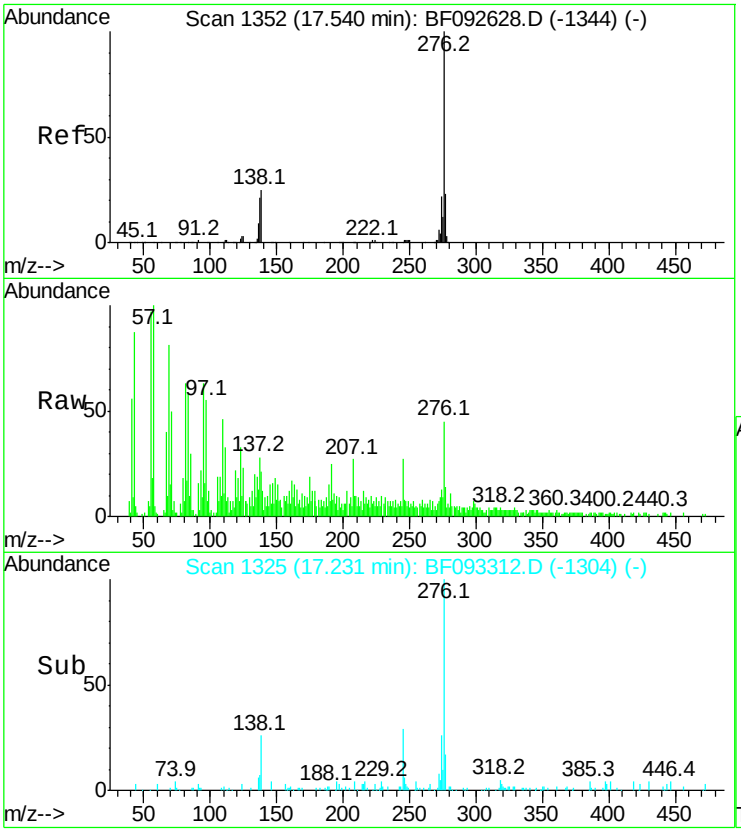


#89
Benzo(a)pyrene
Concen: 3.01 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.05 min
Lab File: BF093312.D
Acq: 2 Mar 2017 1:53

Tgt Ion:252 Resp: 36900

Ion	Ratio	Lower	Upper
252	100		
253	31.5	18.2	27.2#
125	35.8	10.0	15.0#

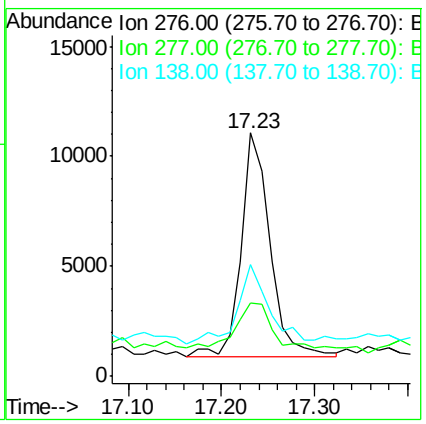




#91
Benzo(g,h,i)perylene
Concen: 2.18 ng
RT: 17.23 min Scan# 1325
Delta R.T. -0.06 min
Lab File: BF093312.D
Acq: 2 Mar 2017 1:53

Tgt Ion:276 Resp: 21829

Ion	Ratio	Lower	Upper
276	100		
277	30.0	19.2	28.8#
138	45.7	16.0	24.0#



Instrument :
BNA_F
ClientSampleId :
U-2

Manual Integrations APPROVED
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