Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
Data File : BF089447.D
Acq On : 30 Jul 2016 10:09
Operator : UM/SJ
Sample : H4222-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-05-COMP

Manual Integrations APPROVED
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8/1/2016 7:00:25 PM

Quant Time: Aug 01 01:31:15 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 28 16:02:32 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	45730	20.00	ng		-0.03
21) Naphthalene-d8	7.80	136	173410	20.00	ng		-0.02
38) Acenaphthene-d10	9.54	164	71102	20.00	ng		-0.03
63) Phenanthrene-d10	11.02	188	123676	20.00	ng		-0.03
75) Chrysene-d12	13.63	240	104558	20.00	ng		-0.03
86) Perylene-d12	14.97	264	77572	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.10	112	408657	142.69	ng		-0.01
7) Phenol-d6	6.18	99	509086	134.50	ng		-0.02
23) Nitrobenzene-d5	7.10	82	320182	108.98	ng		-0.02
41) 2,4,6-Tribromophenol	10.33	330	73383	124.61	ng		-0.03
44) 2-Fluorobiphenyl	8.88	172	463867	95.74	ng		-0.03
78) Terphenyl-d14	12.61	244	377056	84.40	ng		-0.02
Target Compounds							Qvalue
10) Phenol	6.19	94	8973	2.15	ng	#	58
49) Dimethylphthalate	9.28	163	106411	19.66	ng		99
70) Phenanthrene	11.04	178	14538	2.28	ng		96
74) Fluoranthene	12.22	202	41412	6.17	ng		97
77) Pyrene	12.45	202	29663	3.74	ng		100
80) Benzo(a)anthracene	13.62	228	18215	3.09	ng	#	92
82) Chrysene	13.66	228	13515m	2.15	ng		
87) Benzo(b)fluoranthene	14.63	252	19296m	4.01	ng		
89) Benzo(a)pyrene	14.93	252	10646	2.46	ng	#	93

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

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Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

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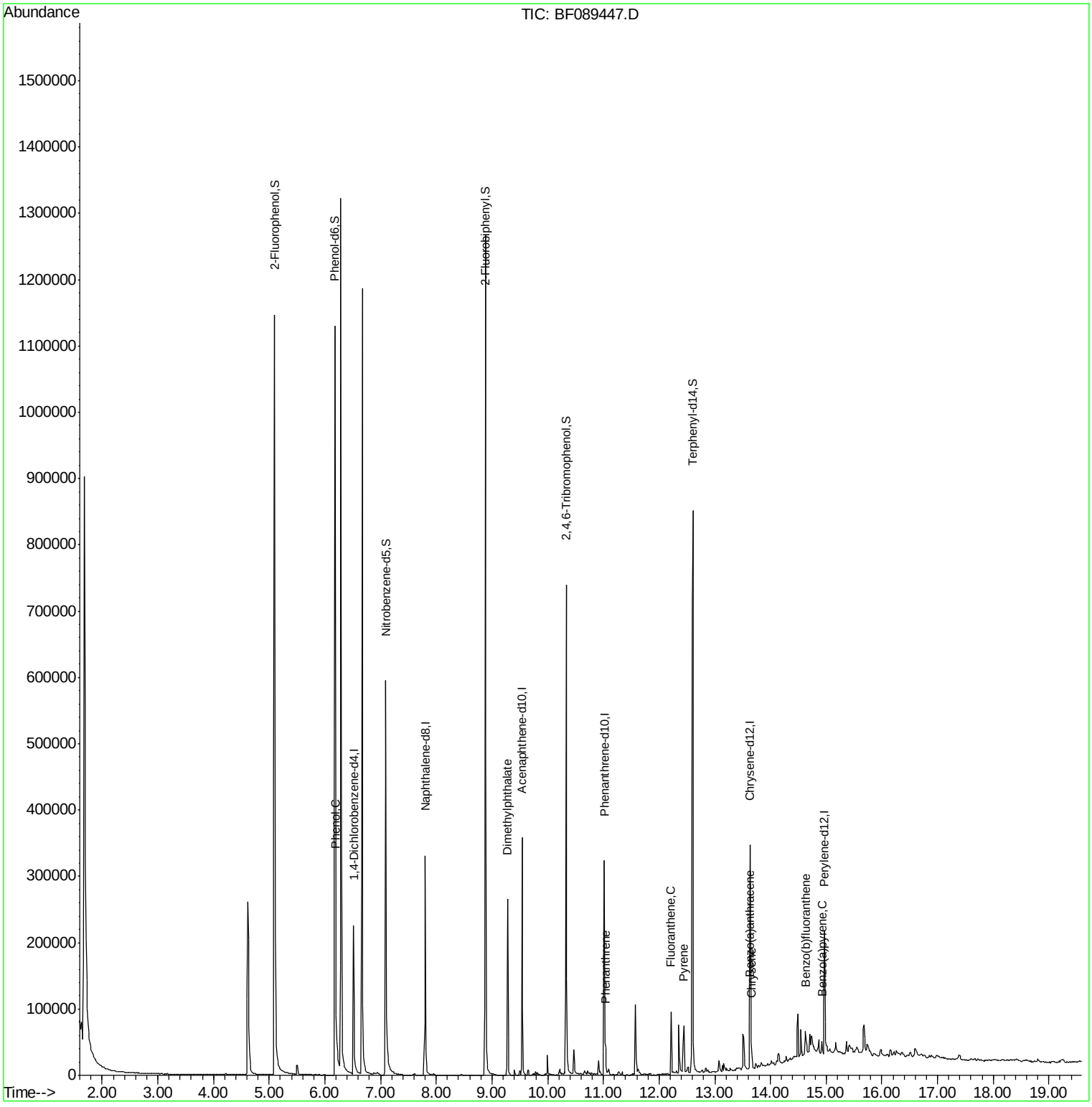
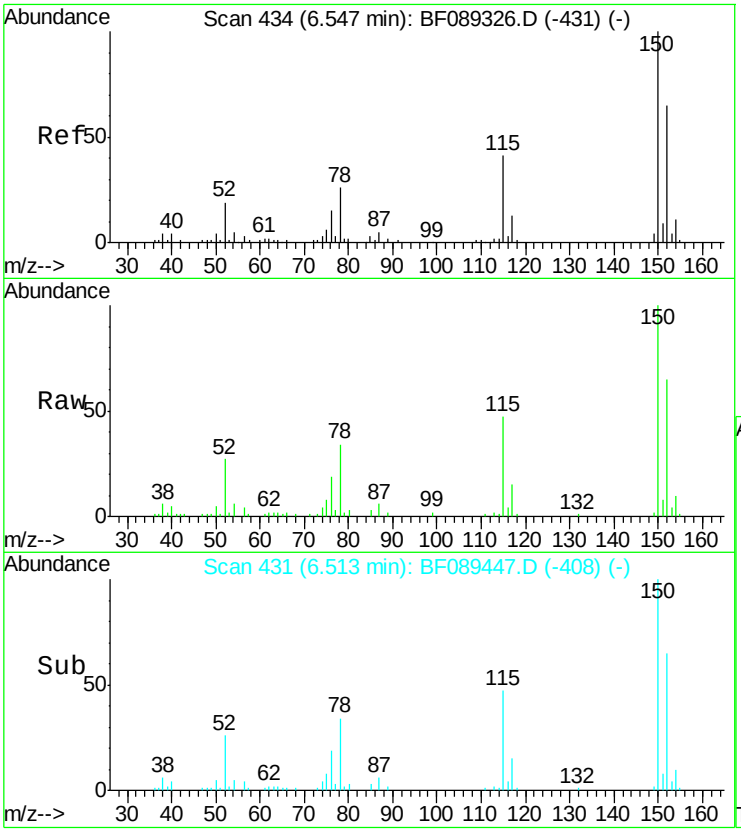
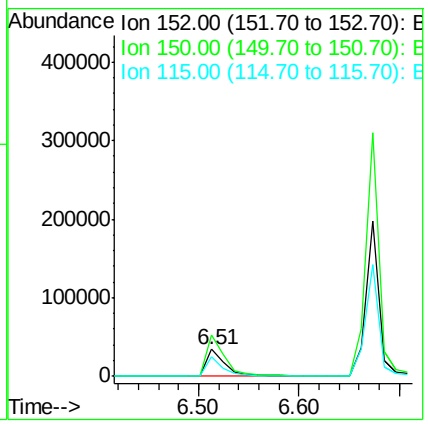




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.51 min Scan# 431
Delta R.T. -0.03 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

Tgt Ion:152 Resp: 45730

Ion	Ratio	Lower	Upper
152	100		
150	154.0	129.5	194.3
115	72.1	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

Manual Integrations APPROVED
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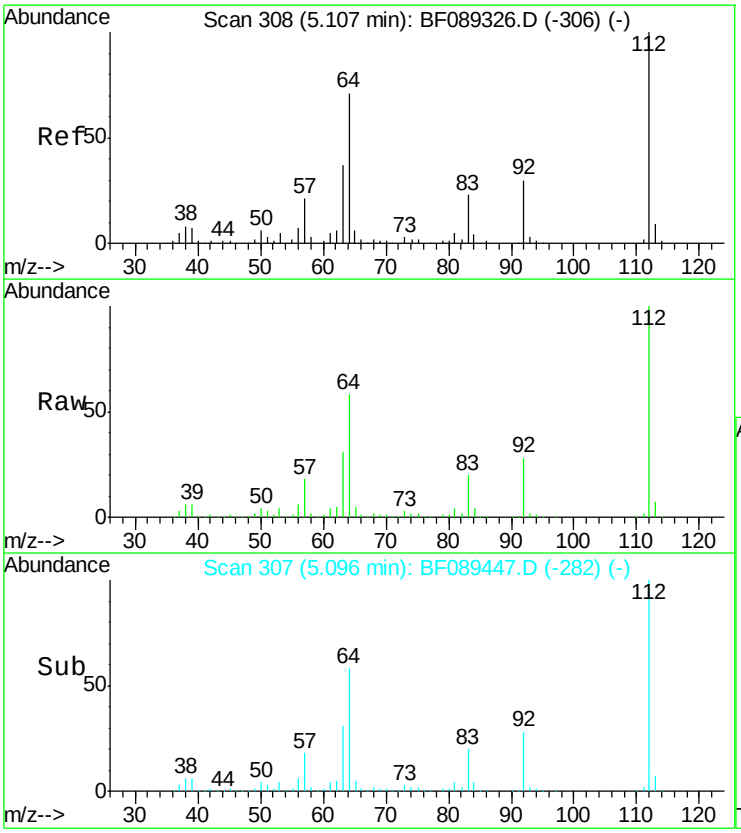
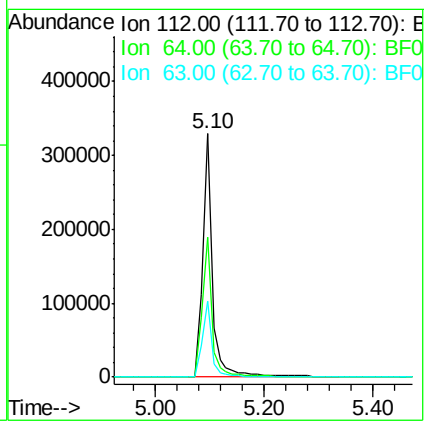
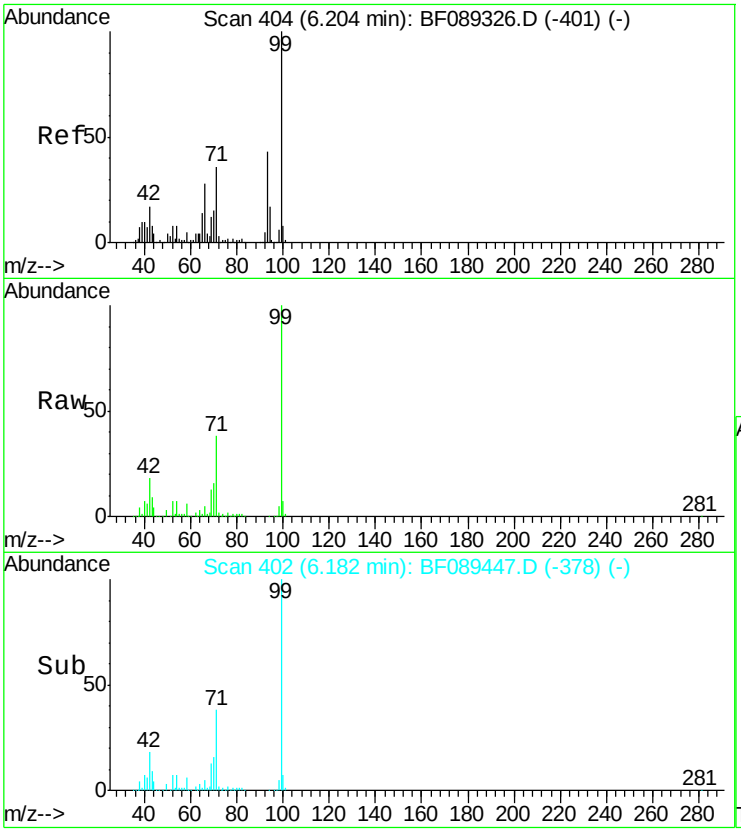


#5
2-Fluorophenol
Concen: 142.69 ng
RT: 5.10 min Scan# 307
Delta R.T. -0.01 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

Tgt Ion:112 Resp: 408657

Ion	Ratio	Lower	Upper
112	100		
64	57.6	55.0	82.6
63	31.0	29.4	44.2

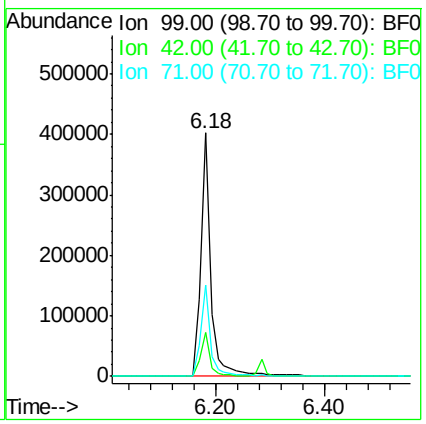




#7
Phenol-d6
Concen: 134.50 ng
RT: 6.18 min Scan# 402
Delta R.T. -0.02 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

Tgt Ion: 99 Resp: 509086

Ion	Ratio	Lower	Upper
99	100		
42	18.2	13.6	20.4
71	37.7	29.4	44.2



Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

Manual Integrations APPROVED
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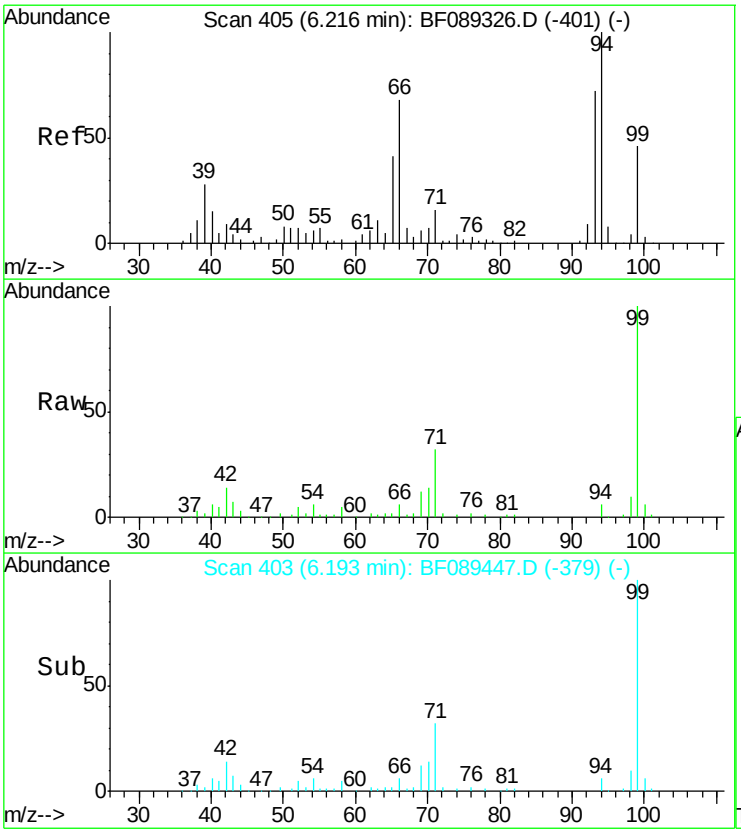
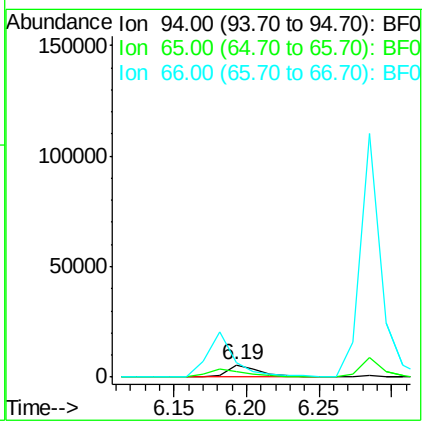
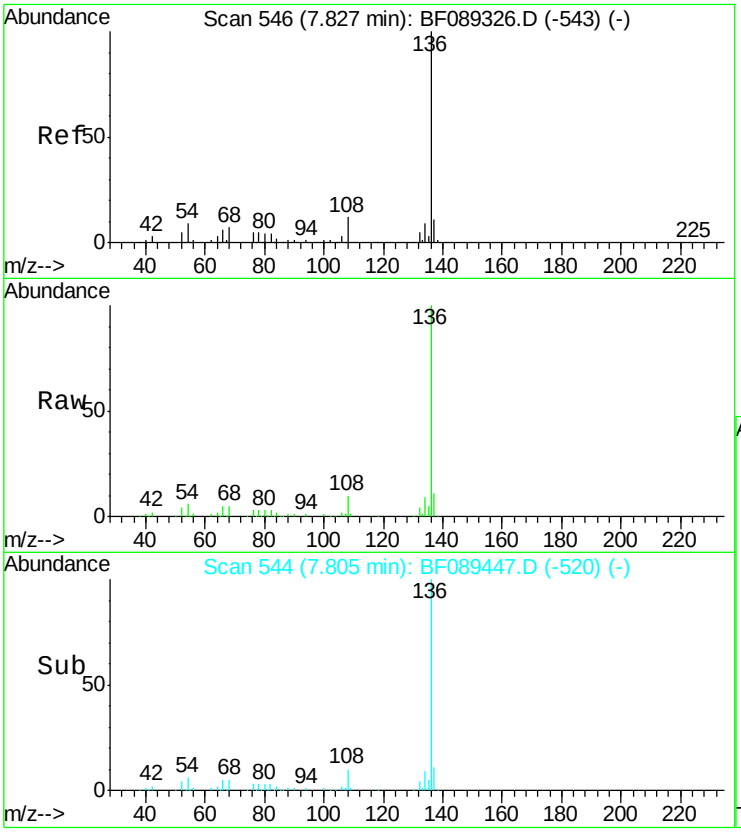


#10
Phenol
Concen: 2.15 ng
RT: 6.19 min Scan# 403
Delta R.T. -0.02 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

Tgt Ion: 94 Resp: 8973

Ion	Ratio	Lower	Upper
94	100		
65	42.7	19.1	59.1
66	114.7	44.4	84.4#

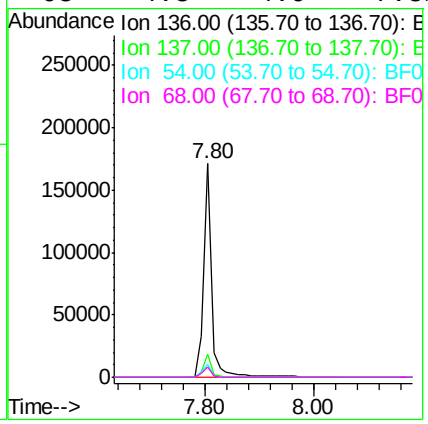




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.80 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

Tgt Ion:136 Resp: 173410

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	5.9	7.0	10.4#
68	4.8	4.9	7.3#



Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

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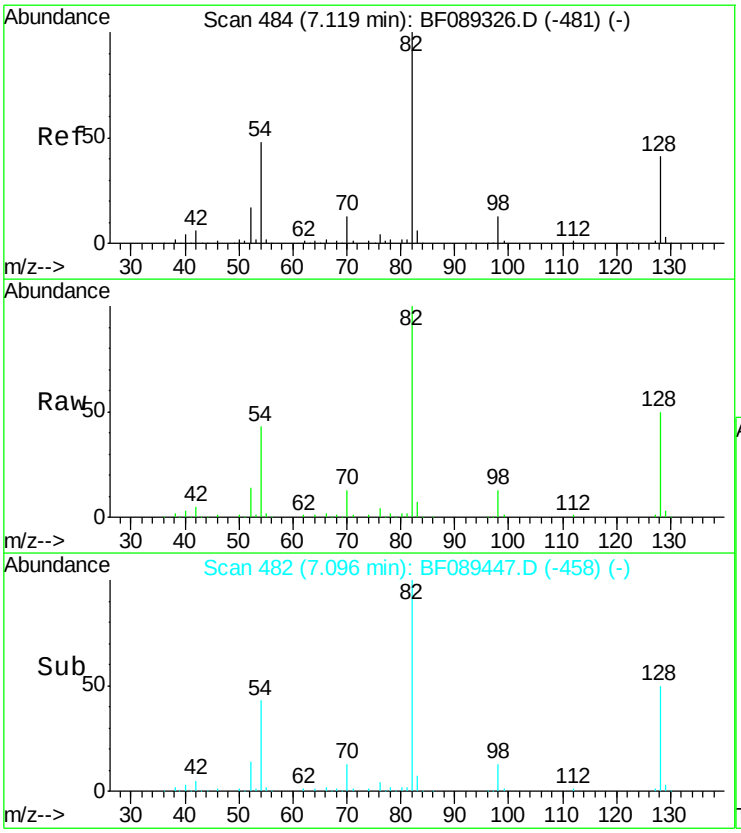
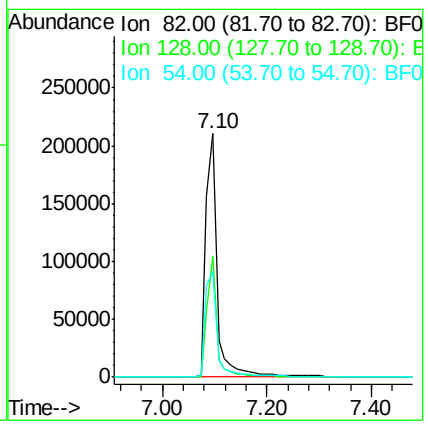
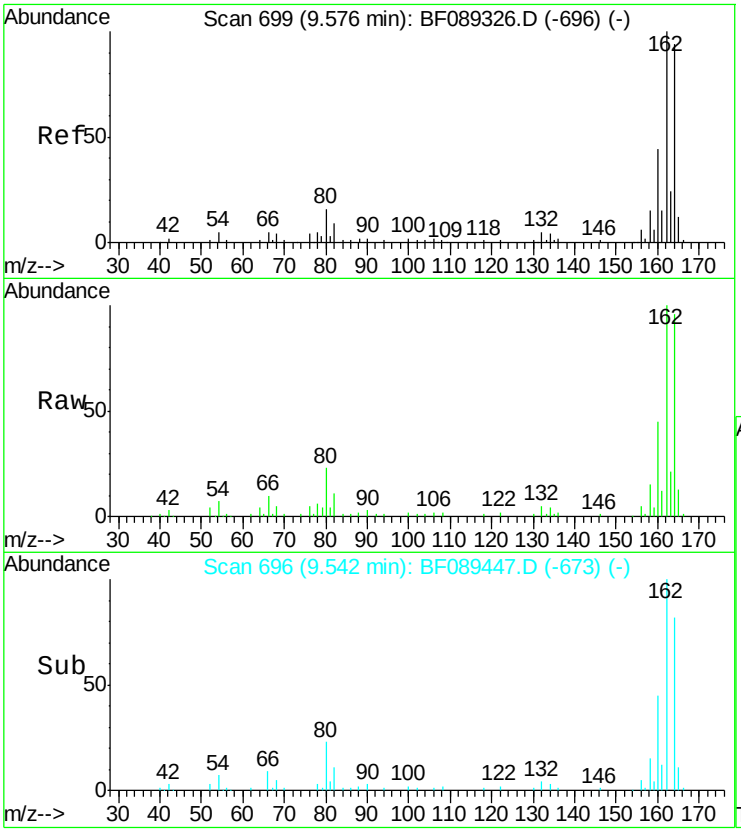


#23
Nitrobenzene-d5
Concen: 108.98 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.02 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

Tgt Ion: 82 Resp: 320182

Ion	Ratio	Lower	Upper
82	100		
128	49.7	32.5	48.7#
54	43.1	38.8	58.2

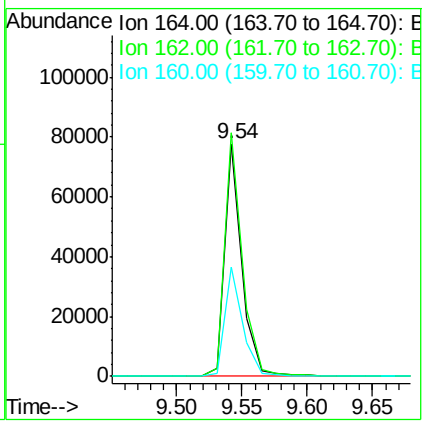




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.03 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

Tgt Ion:164 Resp: 71102

Ion	Ratio	Lower	Upper
164	100		
162	104.6	83.7	125.5
160	46.8	37.8	56.6



Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

Manual Integrations APPROVED
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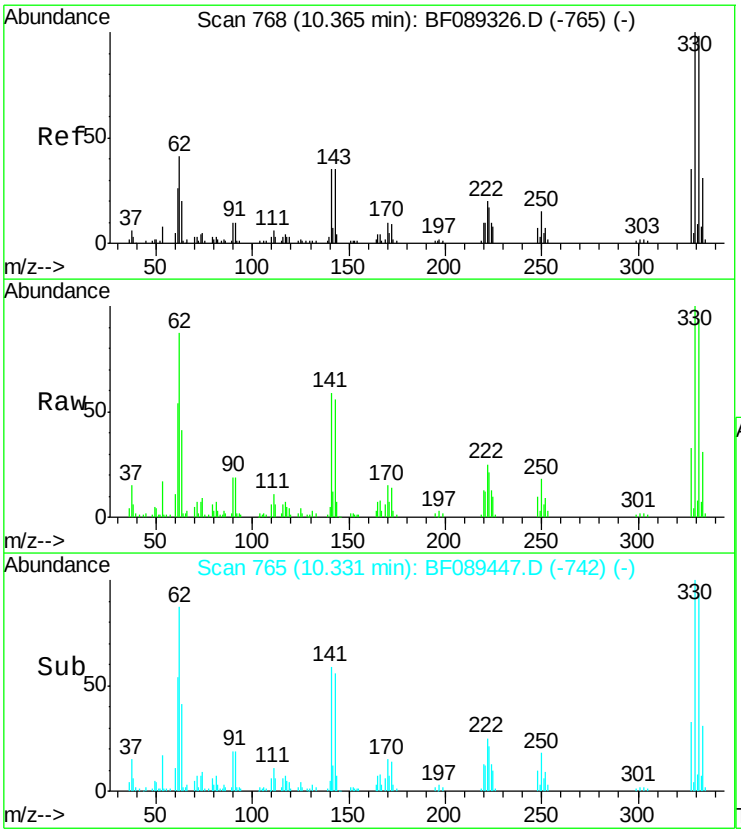
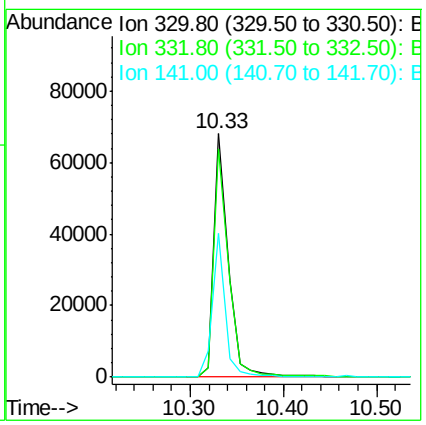
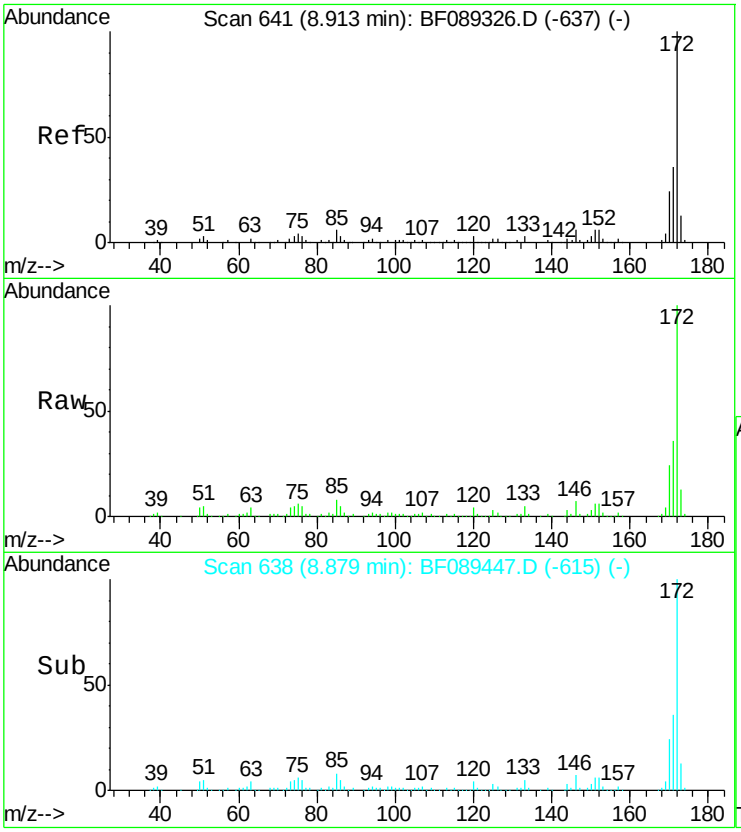


#41
2,4,6-Tribromophenol
Concen: 124.61 ng
RT: 10.33 min Scan# 765
Delta R.T. -0.03 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

Tgt Ion:330 Resp: 73383

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.8	115.2
141	52.3	37.3	55.9

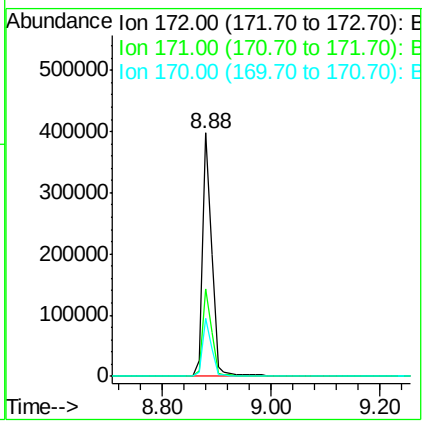




#44
2-Fluorobiphenyl
Concen: 95.74 ng
RT: 8.88 min Scan# 638
Delta R.T. -0.03 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

Tgt Ion:172 Resp: 463867

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.2	43.8
170	23.8	19.2	28.8



Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

Manual Integrations APPROVED
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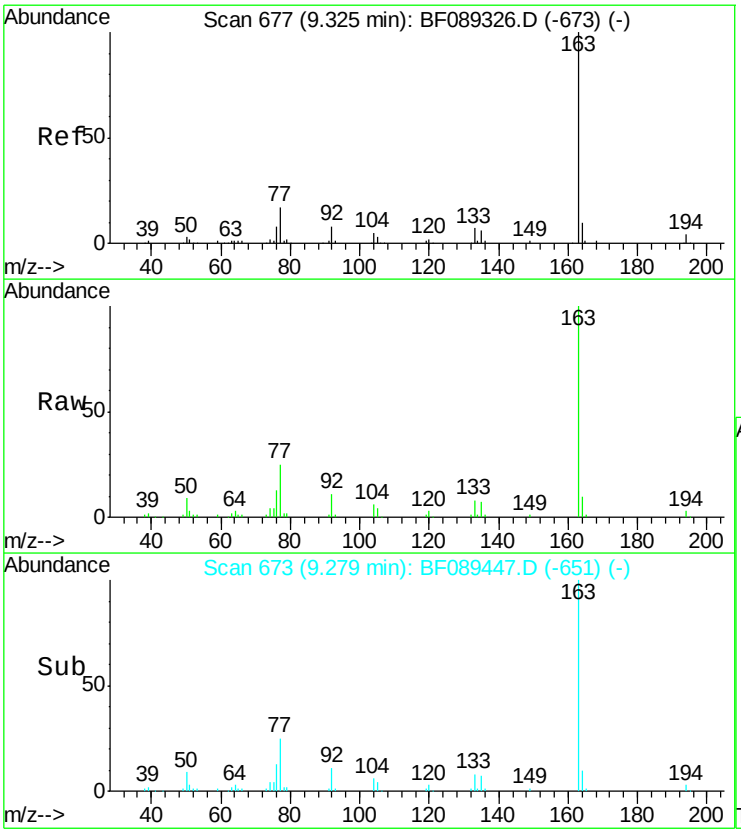
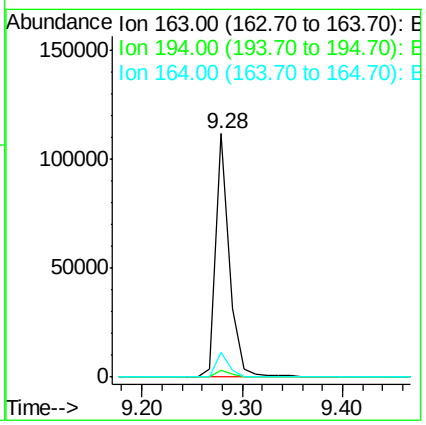
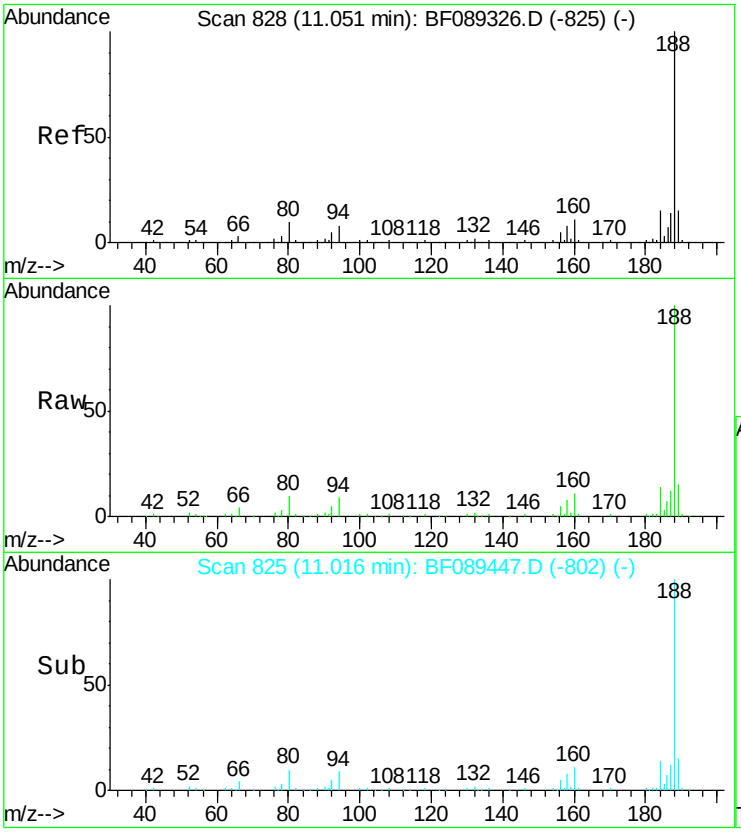


#49
Dimethylphthalate
Concen: 19.66 ng
RT: 9.28 min Scan# 673
Delta R.T. -0.05 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

Tgt Ion:163 Resp: 106411

Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.8	4.2
164	10.1	7.8	11.8

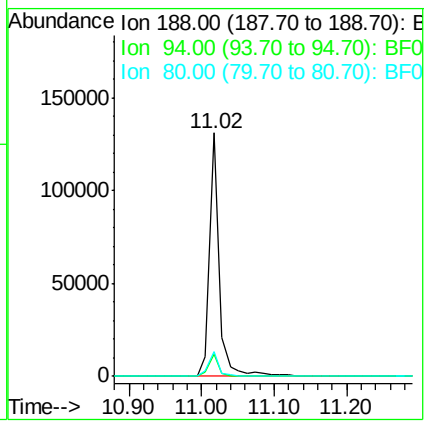




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.02 min Scan# 825
Delta R.T. -0.03 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

Tgt Ion:188 Resp: 123676

Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.5	9.7
80	10.3	7.2	10.8



Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

Manual Integrations APPROVED
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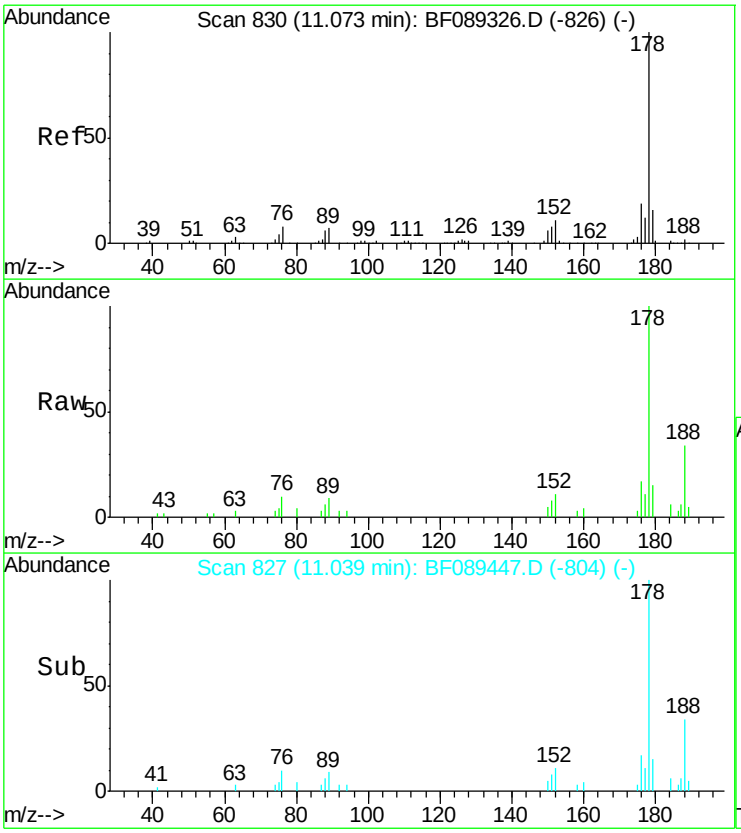
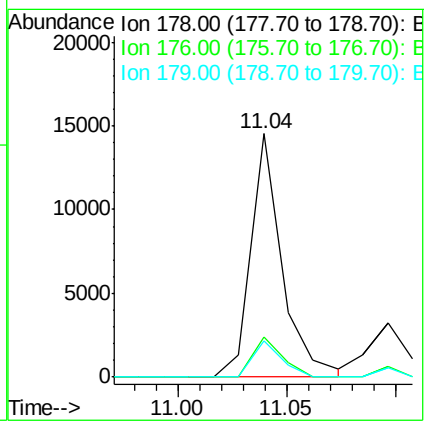
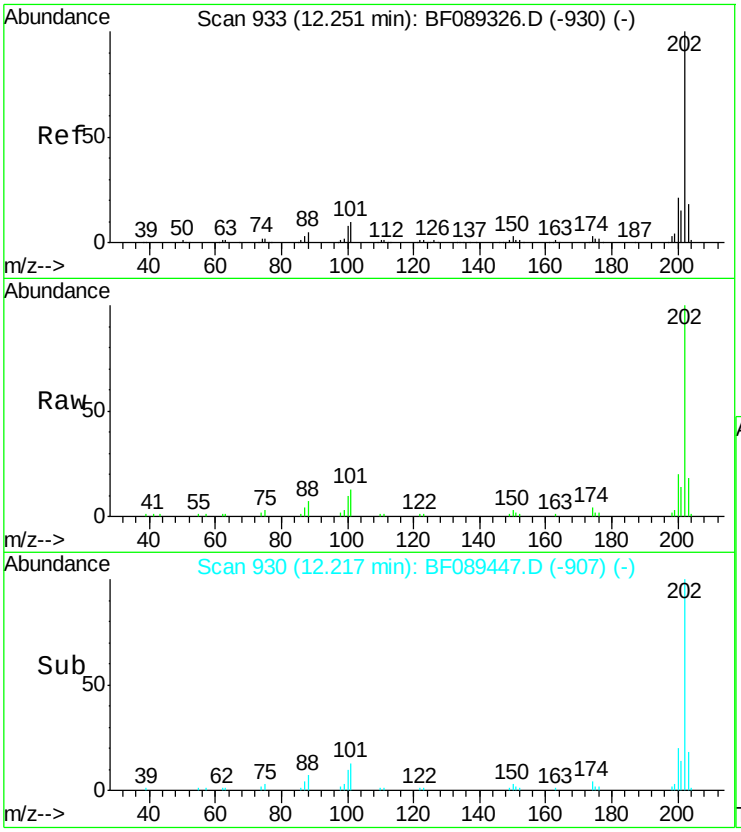


#70
Phenanthrene
Concen: 2.28 ng
RT: 11.04 min Scan# 827
Delta R.T. -0.03 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

Tgt Ion:178 Resp: 14538

Ion	Ratio	Lower	Upper
178	100		
176	16.7	15.5	23.3
179	15.1	12.3	18.5

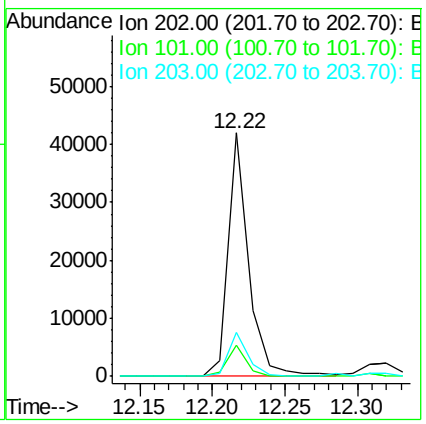




#74
Fluoranthene
Concen: 6.17 ng
RT: 12.22 min Scan# 930
Delta R.T. -0.03 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

Tgt Ion:202 Resp: 41412

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	29.9
203	17.9	0.0	37.3



Instrument :
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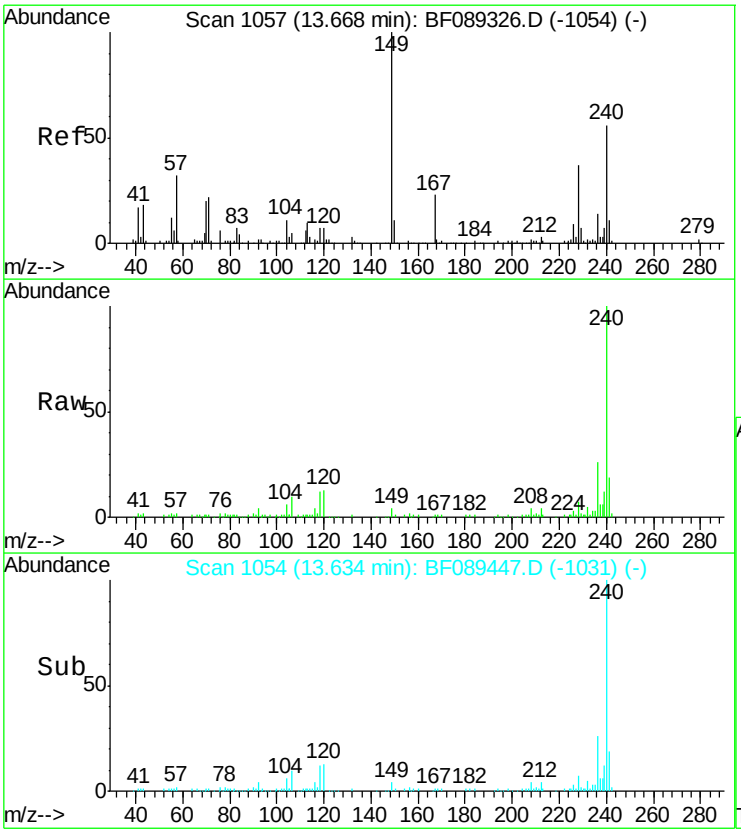
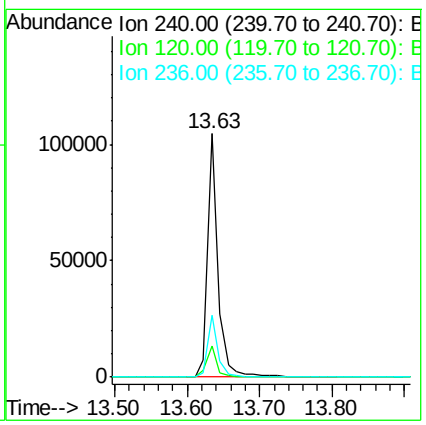
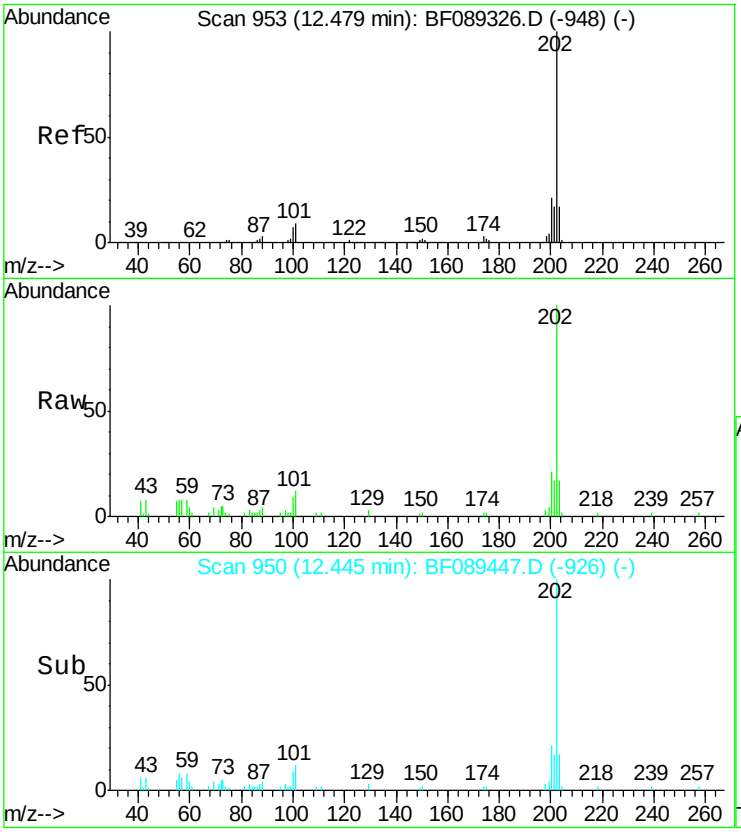


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.63 min Scan# 1054
Delta R.T. -0.03 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

Tgt Ion:240 Resp: 104558

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.1	13.7
236	25.5	20.6	30.8

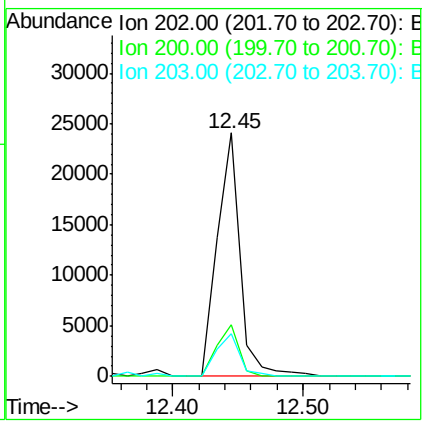




#77
Pyrene
Concen: 3.74 ng
RT: 12.45 min Scan# 950
Delta R.T. -0.02 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

Tgt Ion:202 Resp: 29663

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.3	14.0	21.0



Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

Manual Integrations APPROVED
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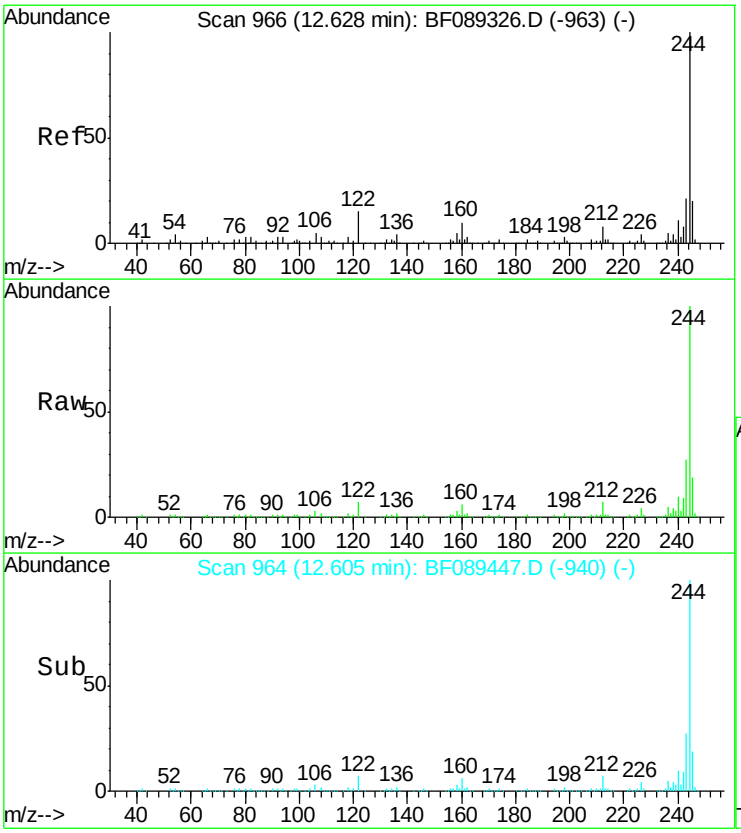
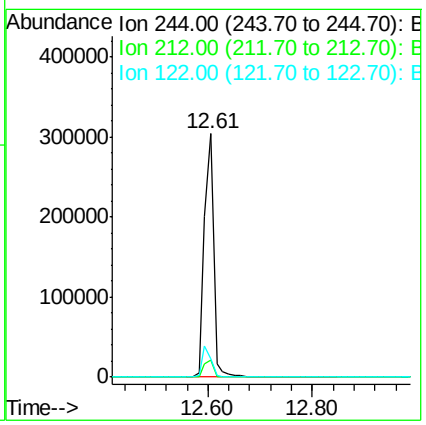
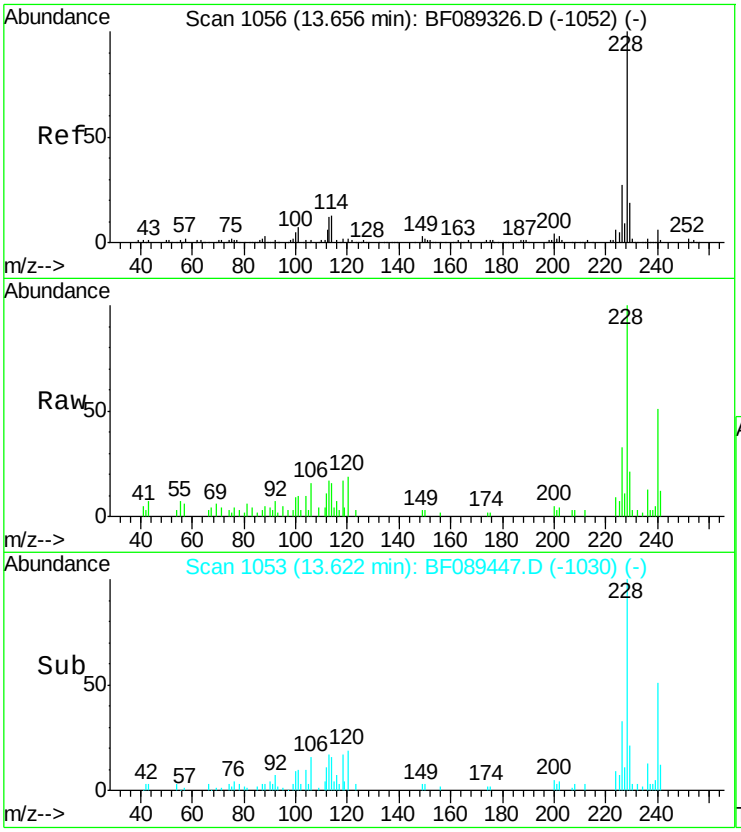


#78
Terphenyl-d14
Concen: 84.40 ng
RT: 12.61 min Scan# 964
Delta R.T. -0.02 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

Tgt Ion:244 Resp: 377056

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.5	9.7
122	7.5	11.4	17.0#

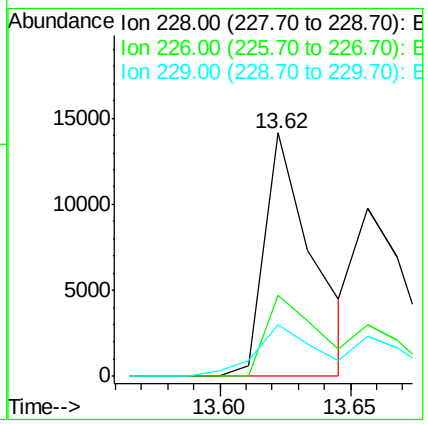




#80
Benzo(a)anthracene
Concen: 3.09 ng
RT: 13.62 min Scan# 1053
Delta R.T. -0.03 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

Tgt Ion:228 Resp: 18215

Ion	Ratio	Lower	Upper
228	100		
226	33.3	21.4	32.2#
229	21.1	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
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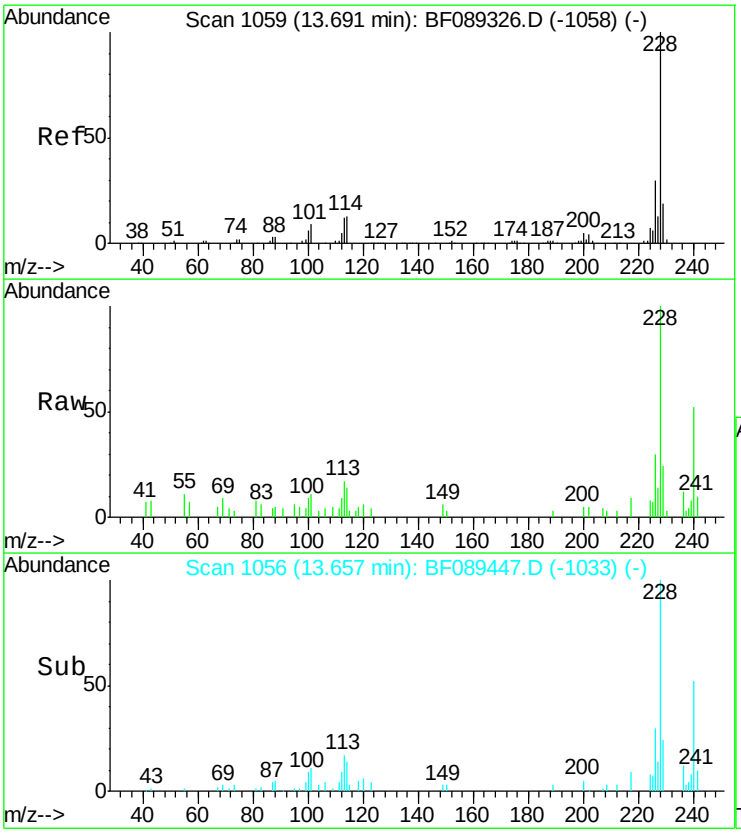
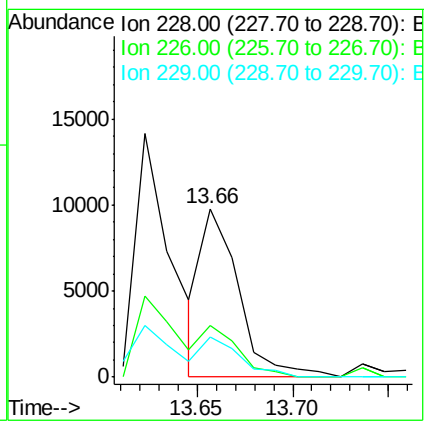
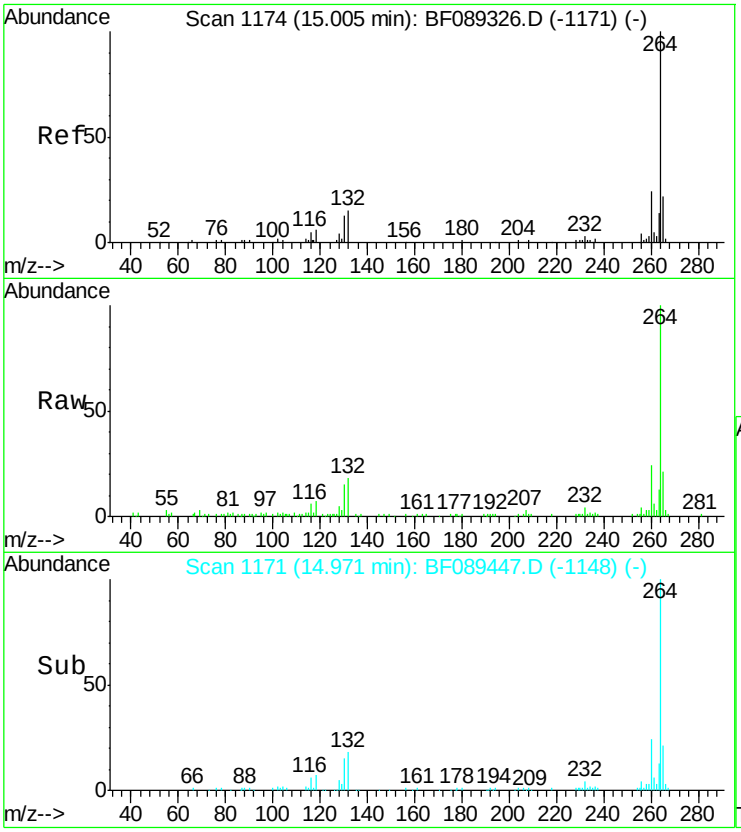


#82
Chrysene
Concen: 2.15 ng m
RT: 13.66 min Scan# 1056
Delta R.T. -0.03 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

Tgt Ion:228 Resp: 13515

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.2	36.2
229	23.7	15.9	23.9

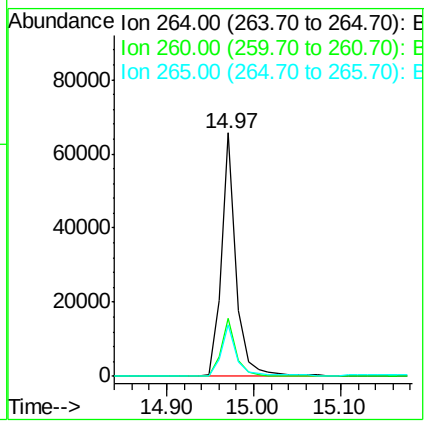




#86
Perylene-d12
Concen: 20.00 ng
RT: 14.97 min Scan# 1171
Delta R.T. -0.03 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

Tgt Ion:264 Resp: 77572

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	21.4	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

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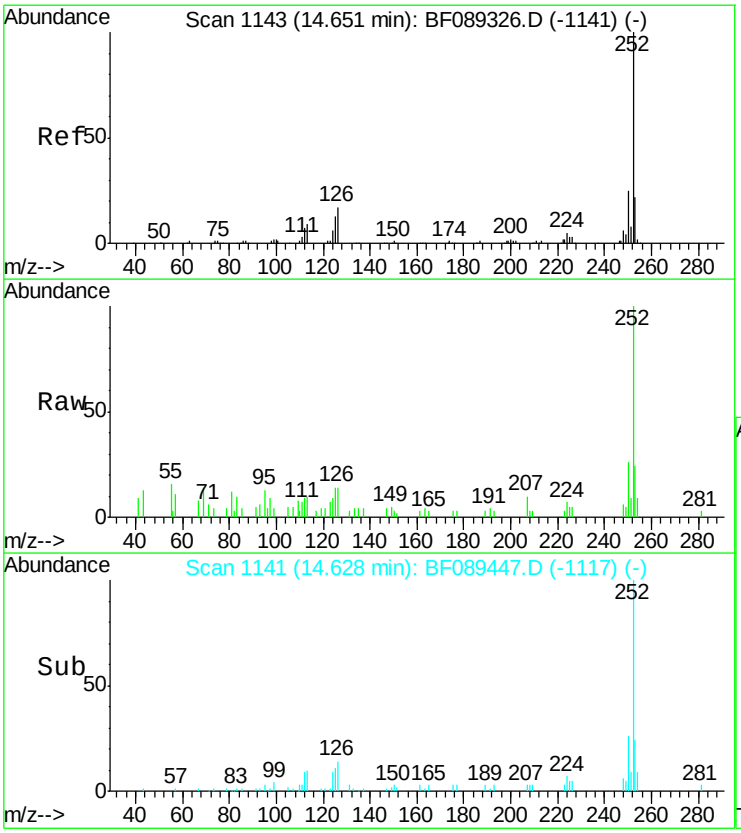
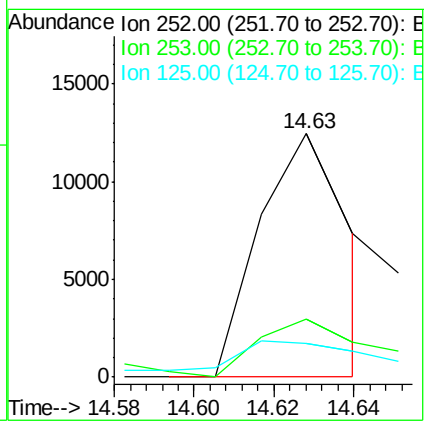
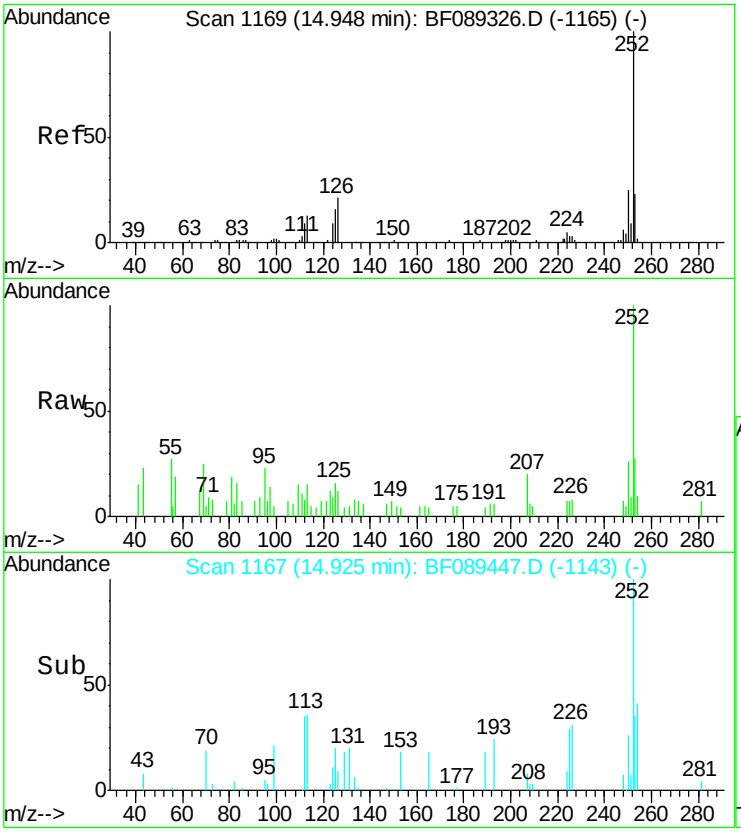


#87
Benzo(b)fluoranthene
Concen: 4.01 ng m
RT: 14.63 min Scan# 1141
Delta R.T. -0.02 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

Tgt Ion:252 Resp: 19296

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	14.1	9.7	14.5

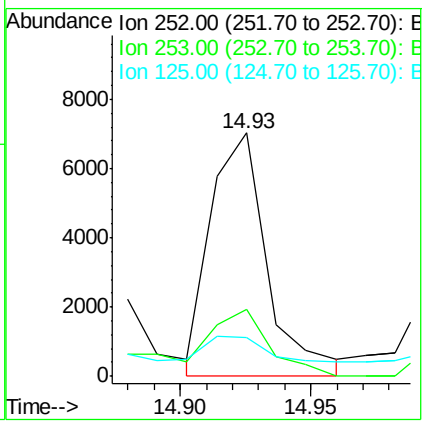




#89
Benzo(a)pyrene
Concen: 2.46 ng
RT: 14.93 min Scan# 1167
Delta R.T. -0.02 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

Tgt Ion:252 Resp: 10646

Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.4	26.2#
125	16.0	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

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