Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082416\
Data File : BF089904.D
Acq On : 25 Aug 2016 5:58
Operator : UM/SJ
Sample : H4566-11
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC2-B-5

Manual Integrations APPROVED
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Quant Time: Aug 25 17:31:22 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 19 14:02:57 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	414554	20.00	ng		-0.01
21) Naphthalene-d8	7.95	136	1686184	20.00	ng		-0.02
38) Acenaphthene-d10	9.70	164	727900	20.00	ng		-0.01
63) Phenanthrene-d10	11.19	188	1365092	20.00	ng		0.00
75) Chrysene-d12	13.84	240	876635	20.00	ng		-0.03
86) Perylene-d12	15.30	264	910217	20.00	ng		-0.07
System Monitoring Compounds							
5) 2-Fluorophenol	5.24	112	2180289	90.19	ng		-0.01
7) Phenol-d6	6.31	99	2716414	91.54	ng		-0.01
23) Nitrobenzene-d5	7.23	82	1639207	60.39	ng		-0.02
41) 2,4,6-Tribromophenol	10.49	330	629518	91.00	ng		-0.01
44) 2-Fluorobiphenyl	9.04	172	3165478	76.43	ng		-0.01
78) Terphenyl-d14	12.78	244	2357696	60.84	ng		-0.01
Target Compounds							Qvalue
10) Phenol	6.32	94	70696	2.03	ng		77
49) Dimethylphthalate	9.44	163	1230828	24.02	ng		98
51) Acenaphthene	9.74	154	106193	2.40	ng		98
57) Fluorene	10.25	166	97967	2.21	ng		99
70) Phenanthrene	11.21	178	1311881	19.03	ng		99
71) Anthracene	11.26	178	304756	4.35	ng		96
72) Carbazole	11.42	167	175766	2.80	ng	#	96
74) Fluoranthene	12.39	202	1601562	24.42	ng		96
77) Pyrene	12.62	202	1423864	19.95	ng		99
80) Benzo(a)anthracene	13.83	228	640665	12.76	ng		99
82) Chrysene	13.86	228	612704m	14.24	ng		
85) Indeno(1,2,3-cd)pyrene	16.58	276	532123	9.69	ng		95
87) Benzo(b)fluoranthene	14.93	252	984059m	19.65	ng		
88) Benzo(k)fluoranthene	14.94	252	224177m	4.93	ng		
89) Benzo(a)pyrene	15.25	252	687379	14.50	ng		97
90) Dibenzo(a,h)anthracene	16.59	278	135025m	2.62	ng		
91) Benzo(g,h,i)perylene	16.97	276	525396	9.70	ng		96

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

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Manual Integrations APPROVED
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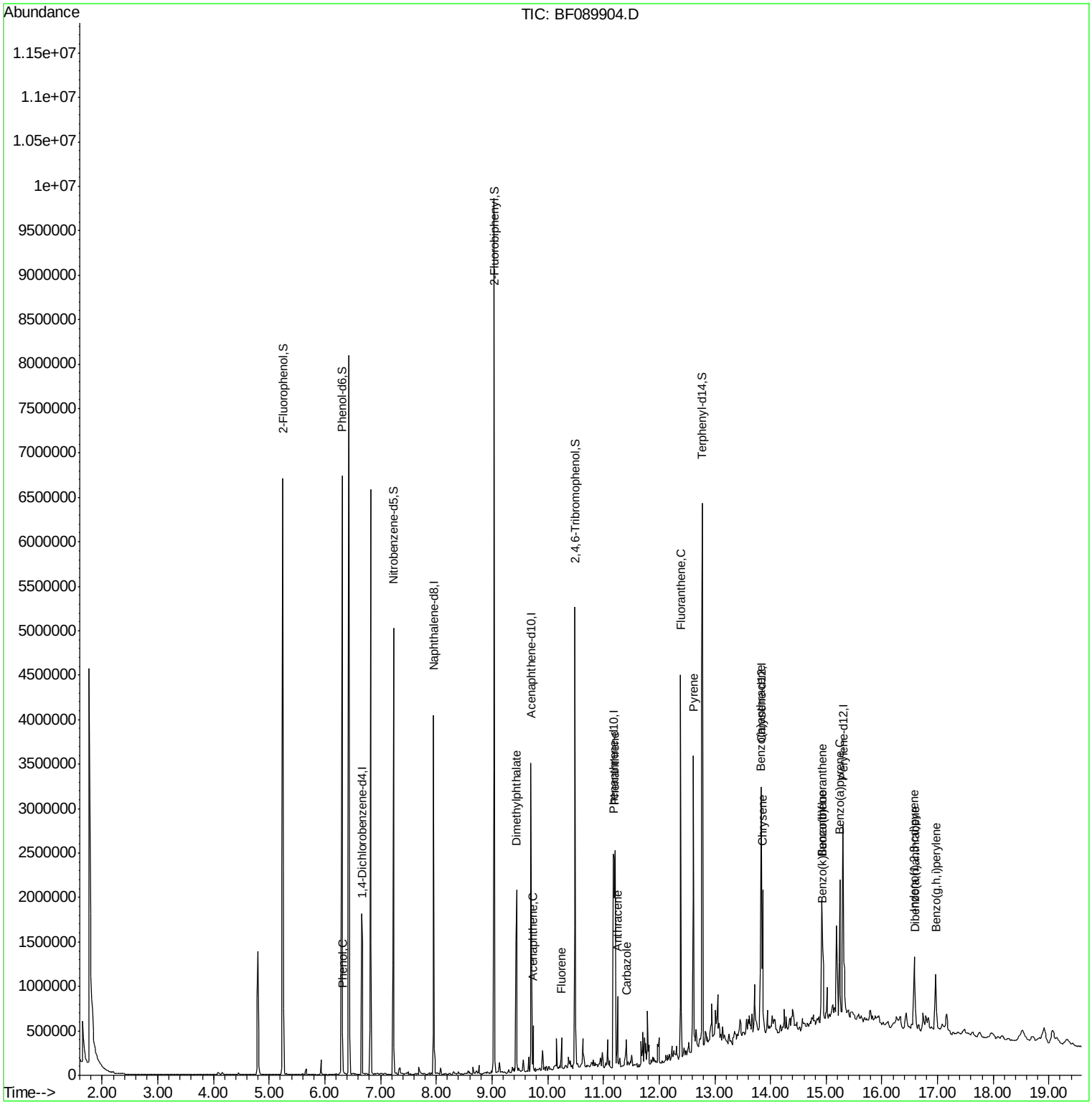
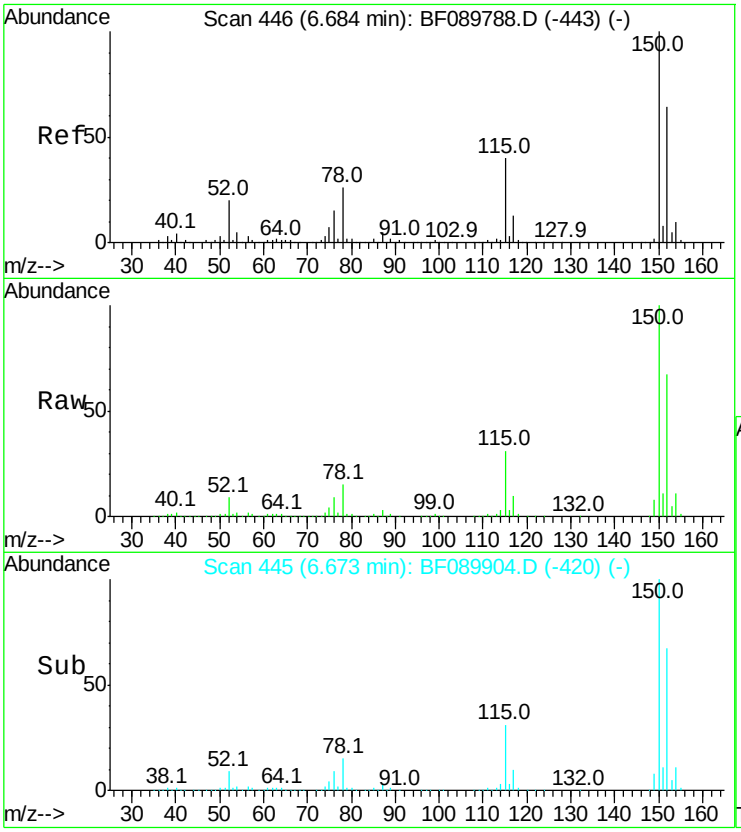
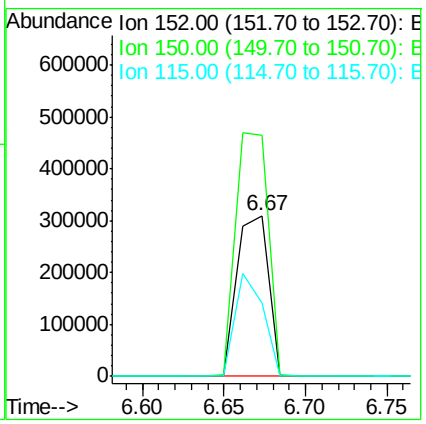




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 445
Delta R.T. -0.01 min
Lab File: BF089904.D
Acq: 25 Aug 2016 5:58

Tgt Ion:152 Resp: 414554

Ion	Ratio	Lower	Upper
152	100		
150	149.9	125.3	187.9
115	46.0	40.9	61.3



Instrument :
BNA_F
ClientSampleId :
WC2-B-5

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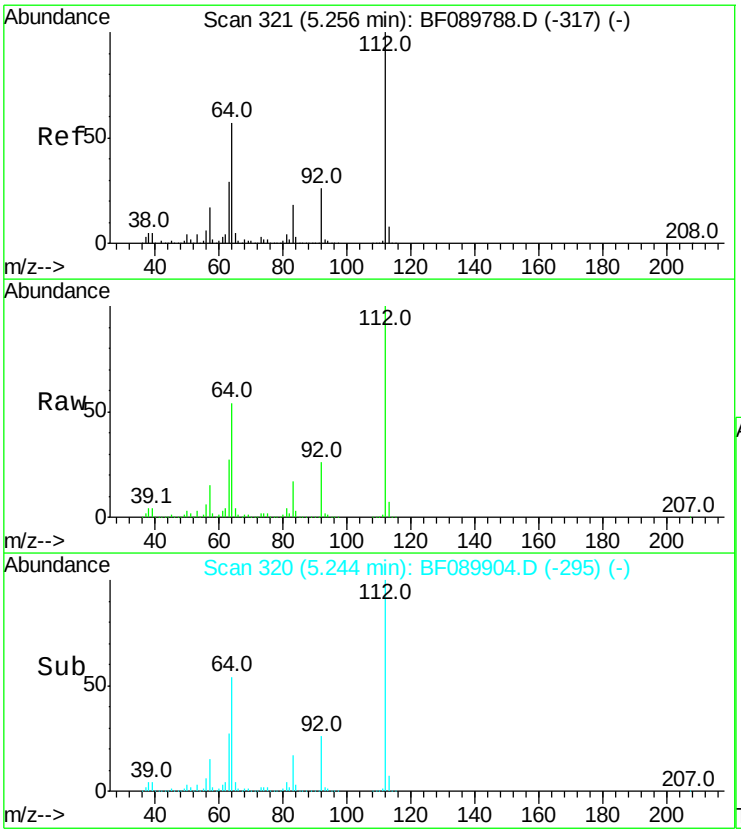
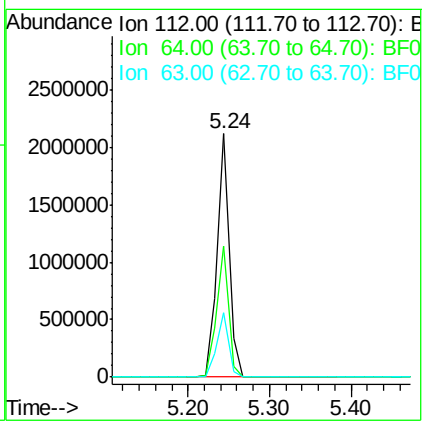
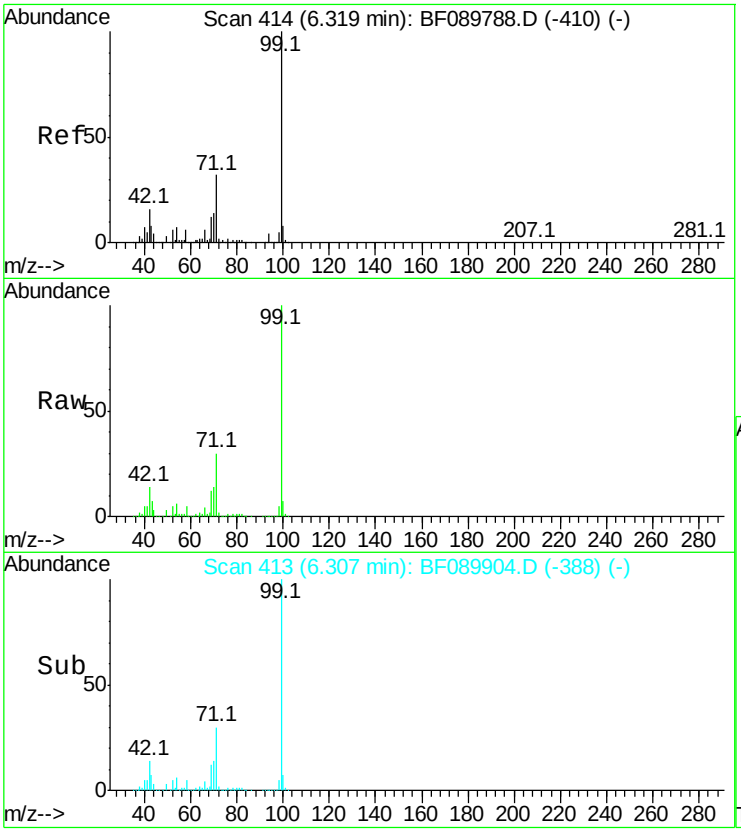


#5
2-Fluorophenol
Concen: 90.19 ng
RT: 5.24 min Scan# 320
Delta R.T. -0.01 min
Lab File: BF089904.D
Acq: 25 Aug 2016 5:58

Tgt Ion:112 Resp: 2180289

Ion	Ratio	Lower	Upper
112	100		
64	53.9	45.0	67.4
63	26.6	23.1	34.7

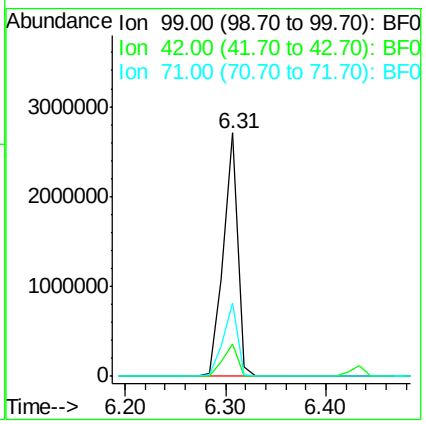




#7
Phenol-d6
Concen: 91.54 ng
RT: 6.31 min Scan# 413
Delta R.T. -0.01 min
Lab File: BF089904.D
Acq: 25 Aug 2016 5:58

Tgt Ion: 99 Resp: 2716414

Ion	Ratio	Lower	Upper
99	100		
42	13.5	12.2	18.4
71	30.2	23.8	35.8



Instrument :
BNA_F
ClientSampleId :
WC2-B-5

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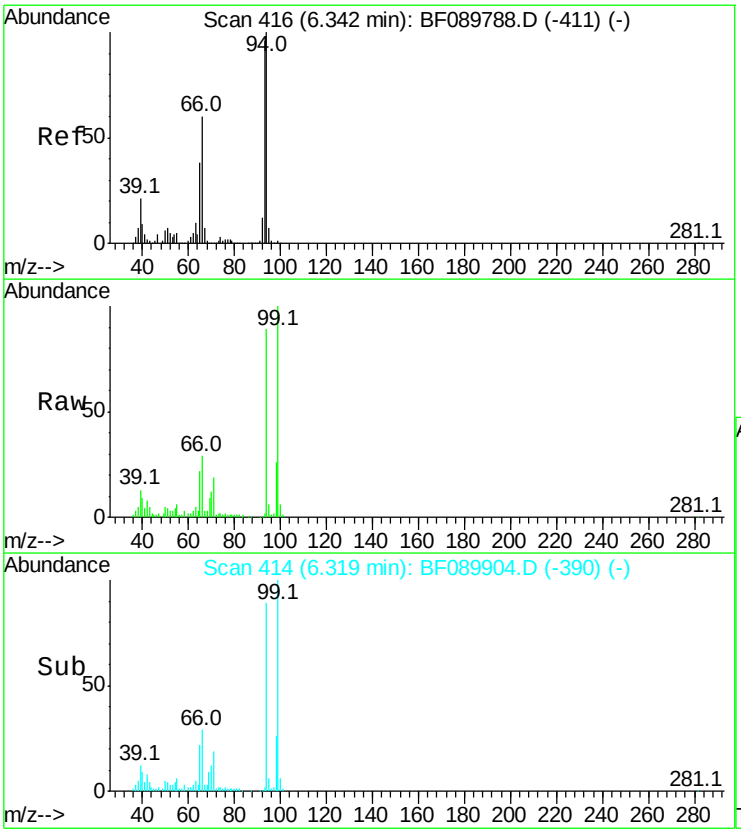
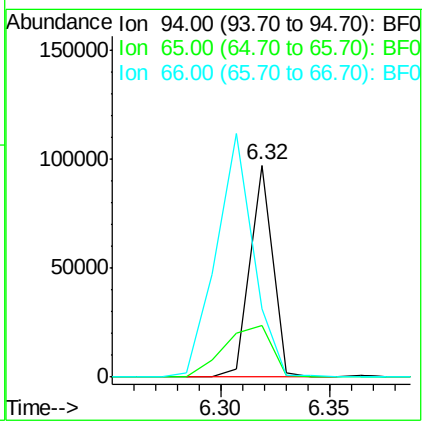
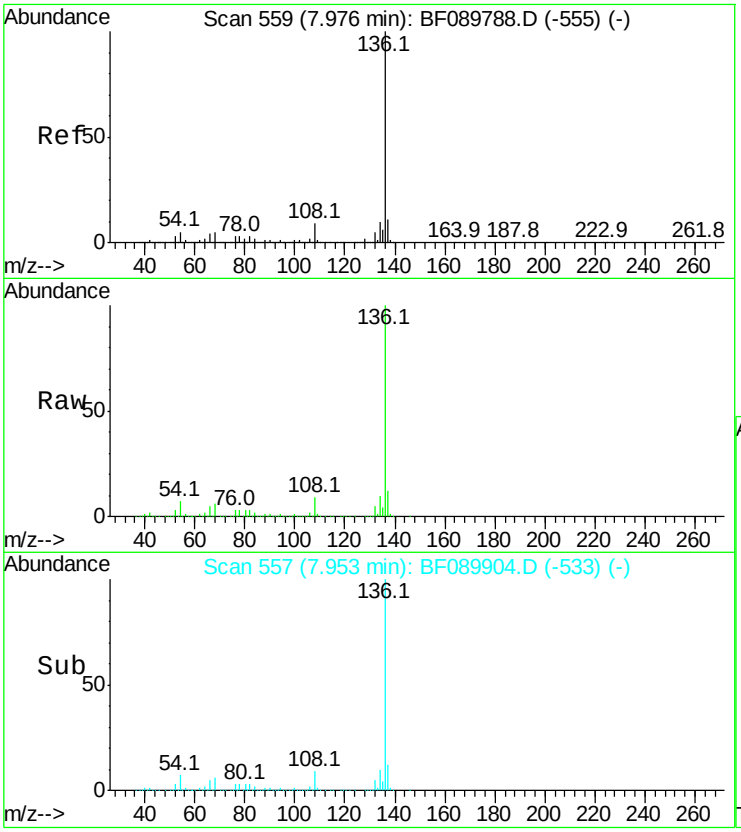


#10
Phenol
Concen: 2.03 ng
RT: 6.32 min Scan# 414
Delta R.T. -0.02 min
Lab File: BF089904.D
Acq: 25 Aug 2016 5:58

Tgt Ion: 94 Resp: 70696

Ion	Ratio	Lower	Upper
94	100		
65	24.2	14.0	54.0
66	32.1	31.2	71.2

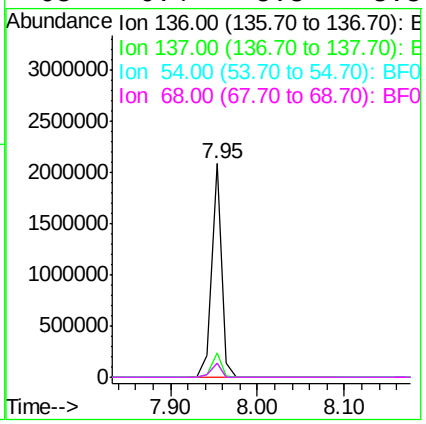




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 557
Delta R.T. -0.02 min
Lab File: BF089904.D
Acq: 25 Aug 2016 5:58

Tgt Ion:136 Resp: 1686184

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	6.5	7.2	10.8#
68	6.4	5.8	8.8



Instrument :
BNA_F
ClientSampleId :
WC2-B-5

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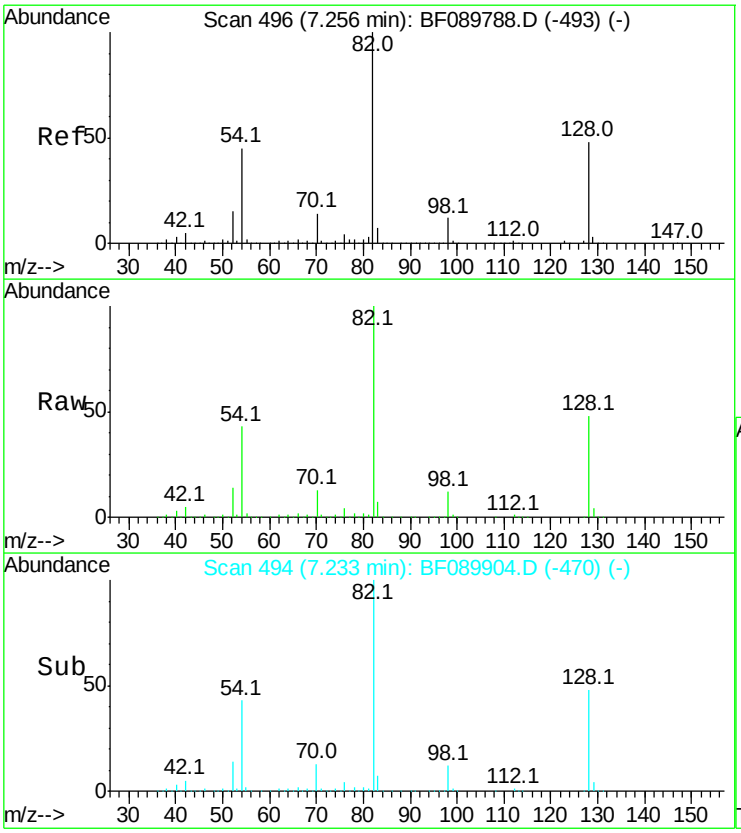
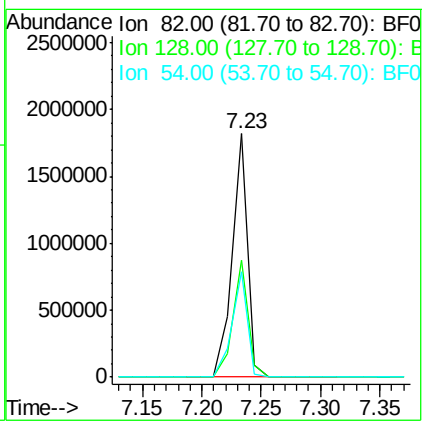
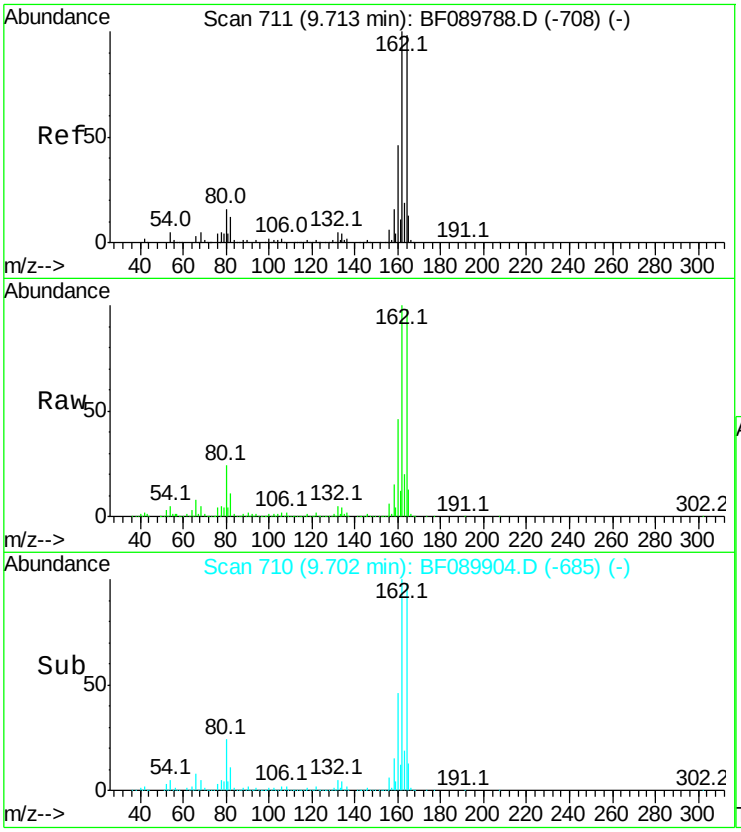


#23
Nitrobenzene-d5
Concen: 60.39 ng
RT: 7.23 min Scan# 494
Delta R.T. -0.02 min
Lab File: BF089904.D
Acq: 25 Aug 2016 5:58

Tgt Ion: 82 Resp: 1639207

Ion	Ratio	Lower	Upper
82	100		
128	48.2	34.4	51.6
54	43.2	40.3	60.5

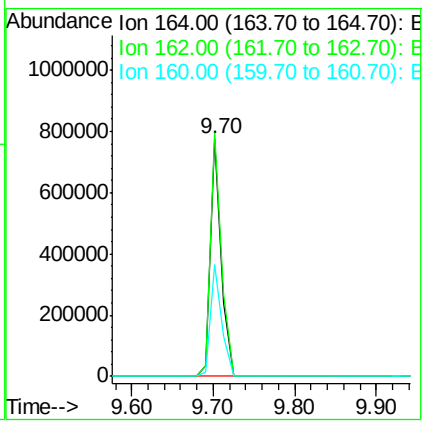




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.70 min Scan# 710
Delta R.T. -0.01 min
Lab File: BF089904.D
Acq: 25 Aug 2016 5:58

Tgt Ion:164 Resp: 727900

Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.4	122.2
160	47.0	37.8	56.6



Instrument :
BNA_F
ClientSampleId :
WC2-B-5

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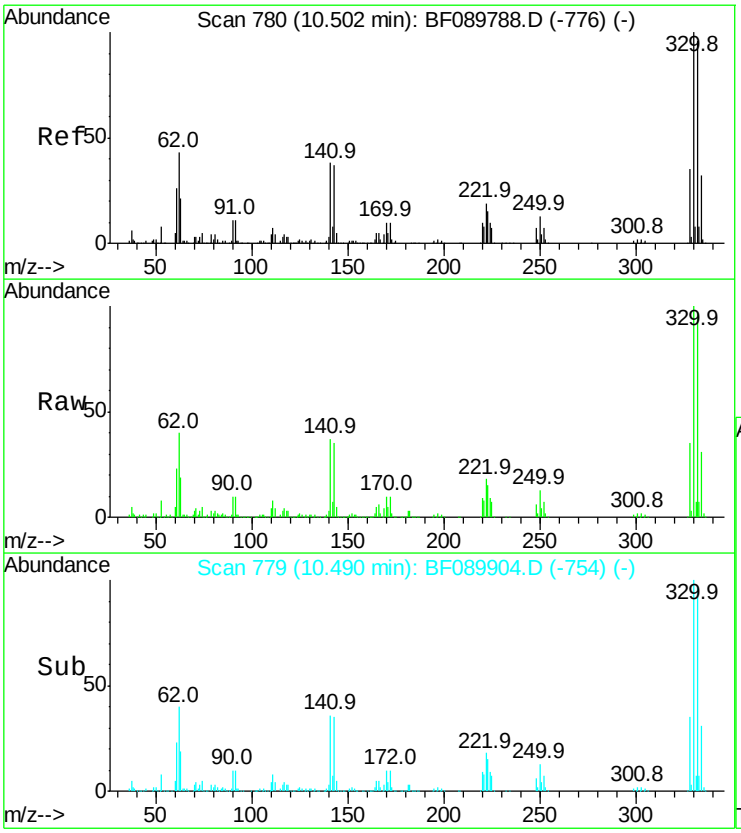
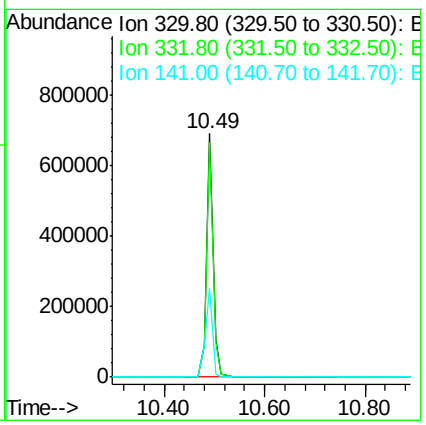
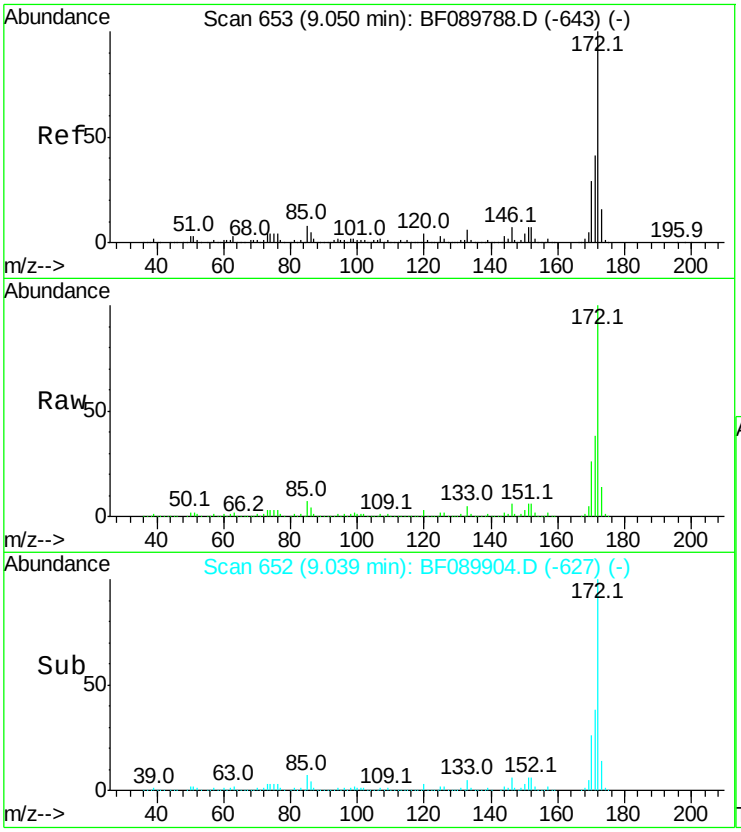


#41
2,4,6-Tribromophenol
Concen: 91.00 ng
RT: 10.49 min Scan# 779
Delta R.T. -0.01 min
Lab File: BF089904.D
Acq: 25 Aug 2016 5:58

Tgt Ion:330 Resp: 629518

Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.7	115.1
141	39.2	30.2	45.2

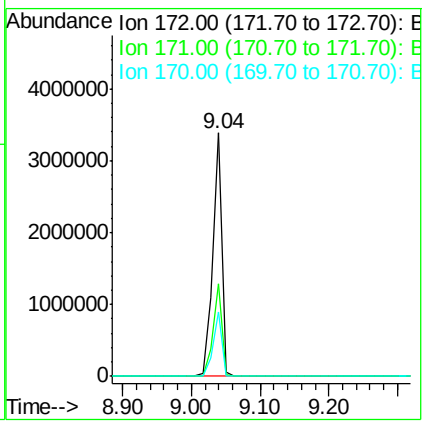




#44
2-Fluorobiphenyl
Concen: 76.43 ng
RT: 9.04 min Scan# 652
Delta R.T. -0.01 min
Lab File: BF089904.D
Acq: 25 Aug 2016 5:58

Tgt Ion:172 Resp: 3165478

Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.5	45.7
170	26.3	20.6	31.0



Instrument :
BNA_F
ClientSampleId :
WC2-B-5

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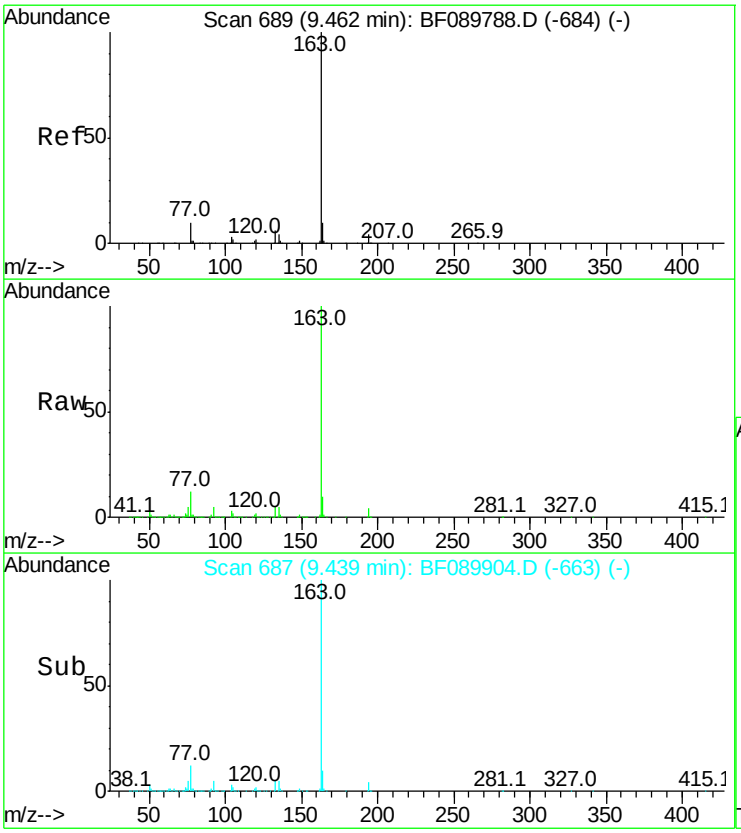
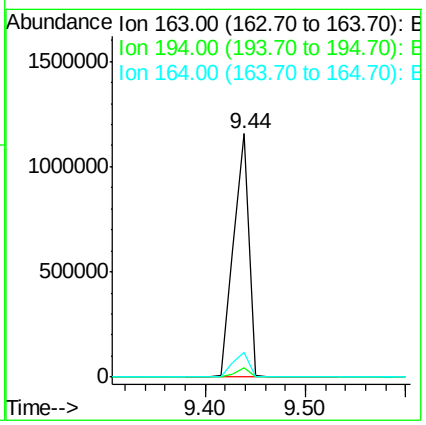
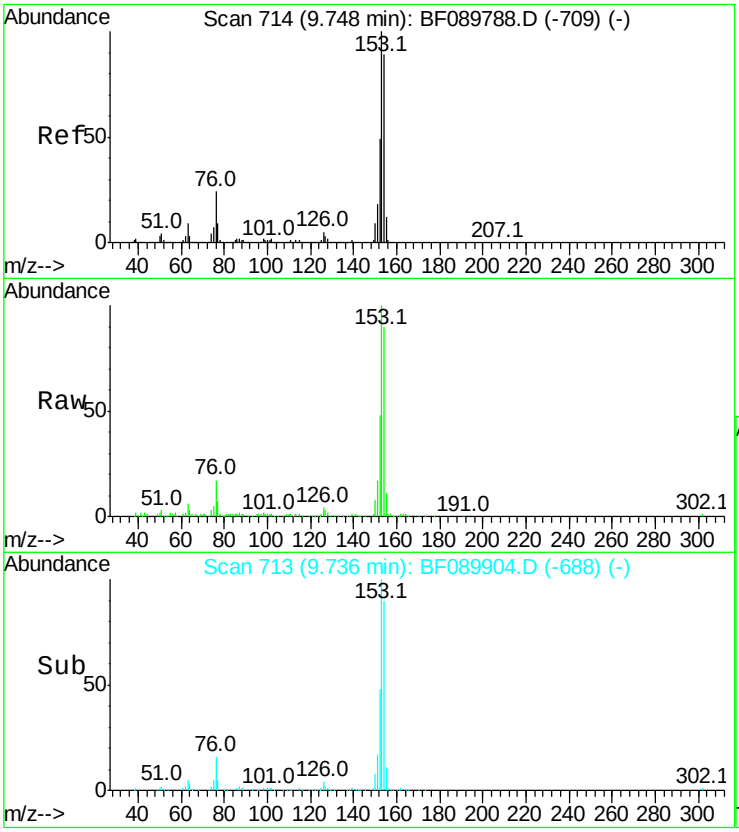


#49
Dimethylphthalate
Concen: 24.02 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF089904.D
Acq: 25 Aug 2016 5:58

Tgt Ion:163 Resp: 1230828

Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.6	3.8
164	10.1	8.6	12.8

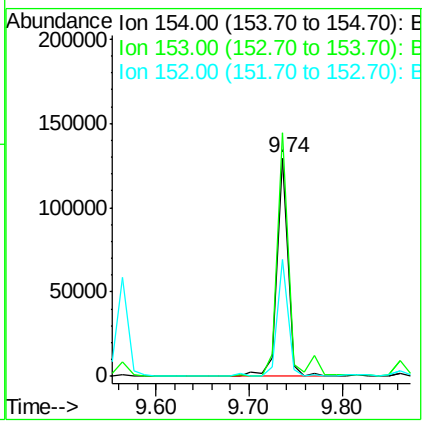




#51
Acenaphthene
Concen: 2.40 ng
RT: 9.74 min Scan# 713
Delta R.T. -0.01 min
Lab File: BF089904.D
Acq: 25 Aug 2016 5:58

Tgt Ion:154 Resp: 106193

Ion	Ratio	Lower	Upper
154	100		
153	111.5	90.5	135.7
152	53.6	44.6	67.0



Instrument :
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ClientSampleId :
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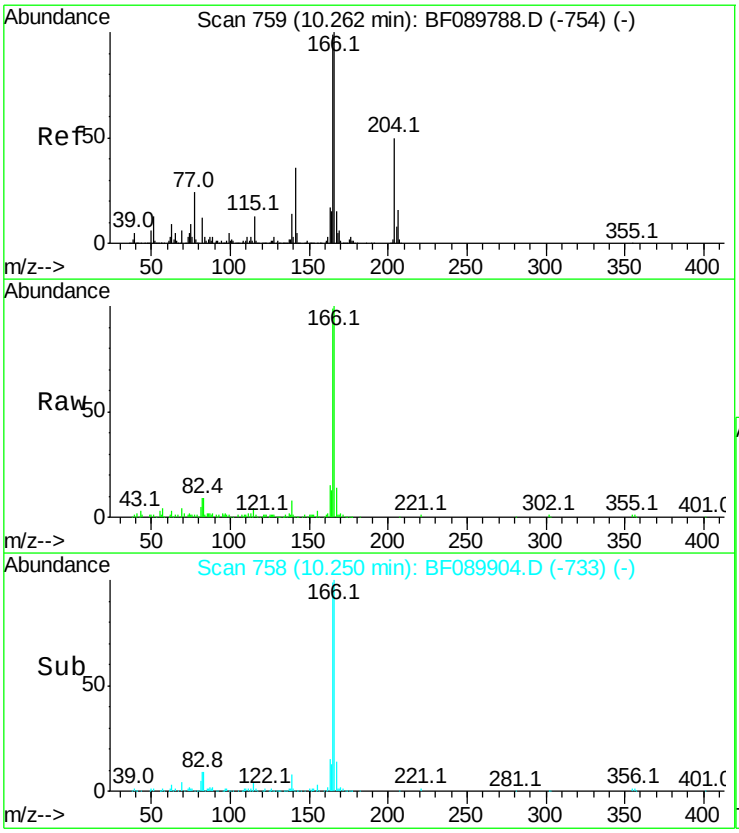
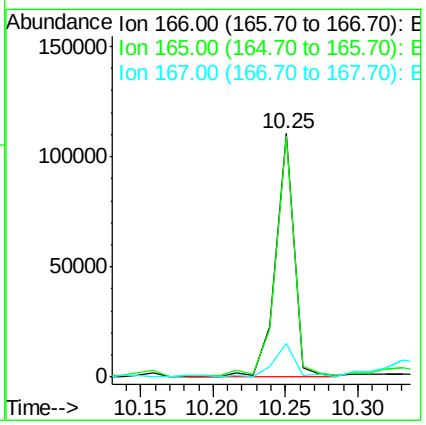
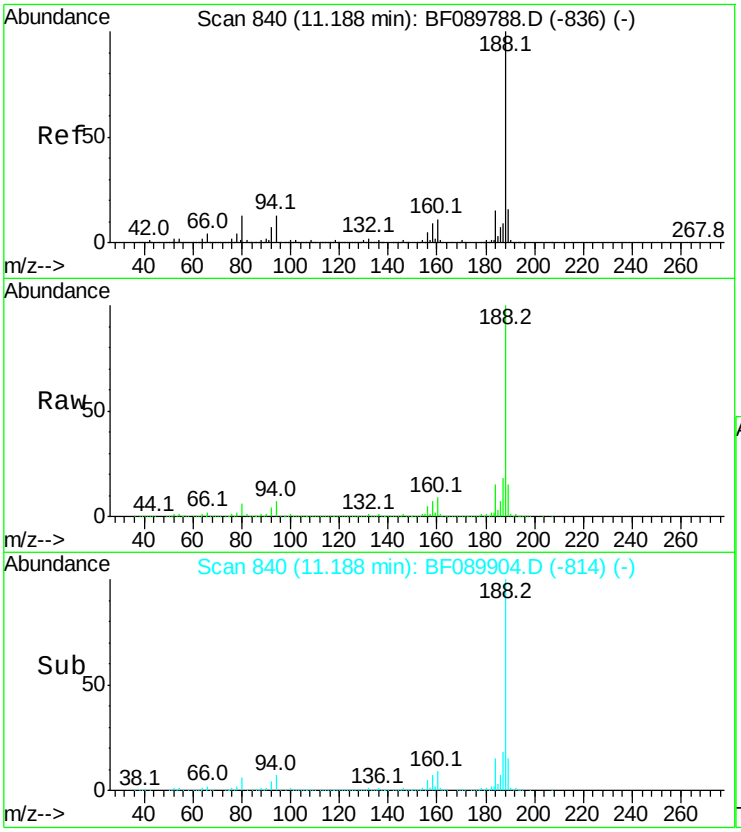


#57
Fluorene
Concen: 2.21 ng
RT: 10.25 min Scan# 758
Delta R.T. -0.01 min
Lab File: BF089904.D
Acq: 25 Aug 2016 5:58

Tgt Ion:166 Resp: 97967

Ion	Ratio	Lower	Upper
166	100		
165	99.1	80.2	120.4
167	13.9	11.3	16.9

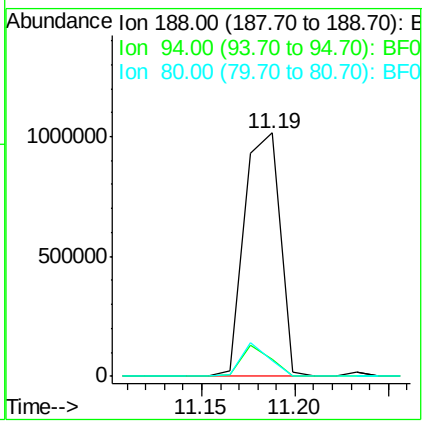




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. -0.00 min
Lab File: BF089904.D
Acq: 25 Aug 2016 5:58

Tgt Ion:188 Resp: 1365092

Ion	Ratio	Lower	Upper
188	100		
94	6.9	10.2	15.2#
80	6.4	10.9	16.3#



Instrument :
BNA_F
ClientSampleId :
WC2-B-5

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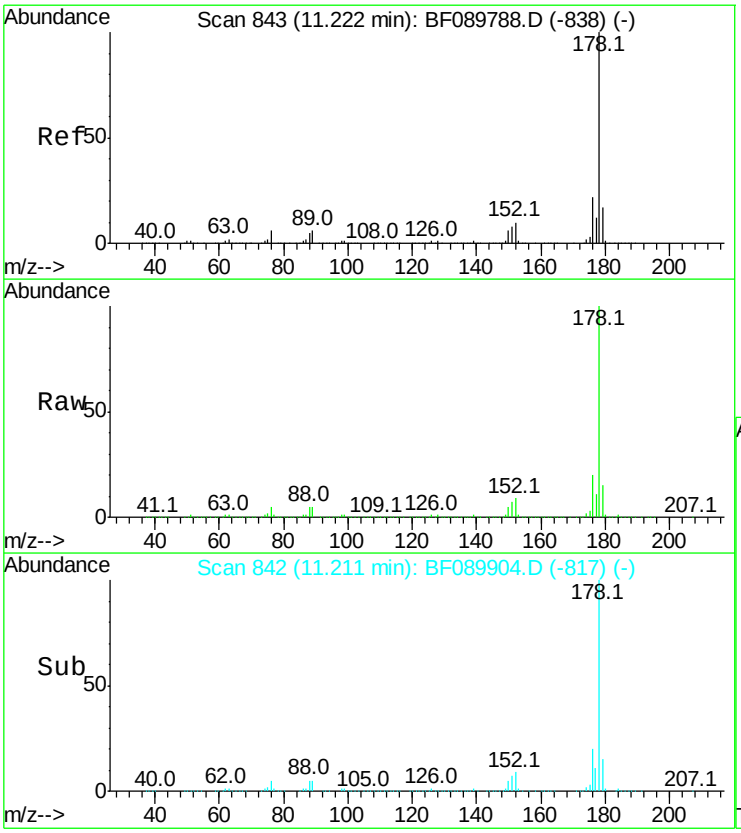
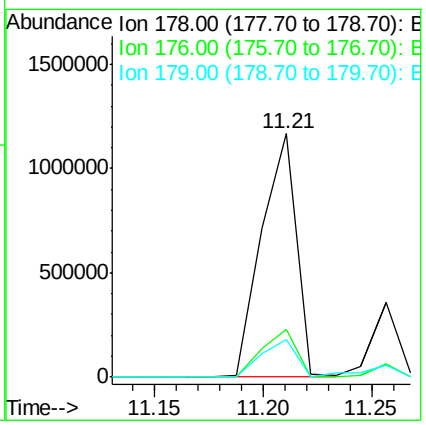
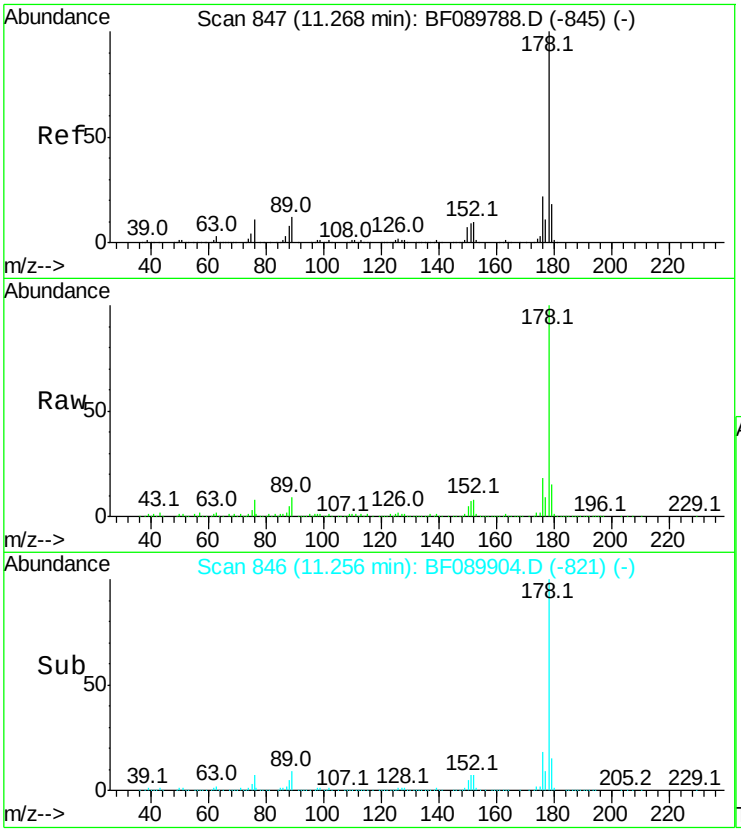


#70
Phenanthrene
Concen: 19.03 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF089904.D
Acq: 25 Aug 2016 5:58

Tgt Ion:178 Resp: 1311881

Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.4	24.6
179	15.3	12.5	18.7

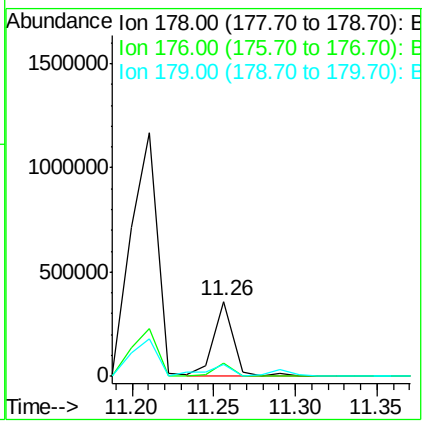




#71
Anthracene
Concen: 4.35 ng
RT: 11.26 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF089904.D
Acq: 25 Aug 2016 5:58

Tgt Ion:178 Resp: 304756

Ion	Ratio	Lower	Upper
178	100		
176	18.4	16.4	24.6
179	15.3	13.1	19.7



Instrument :
BNA_F
ClientSampleId :
WC2-B-5

Manual Integrations APPROVED
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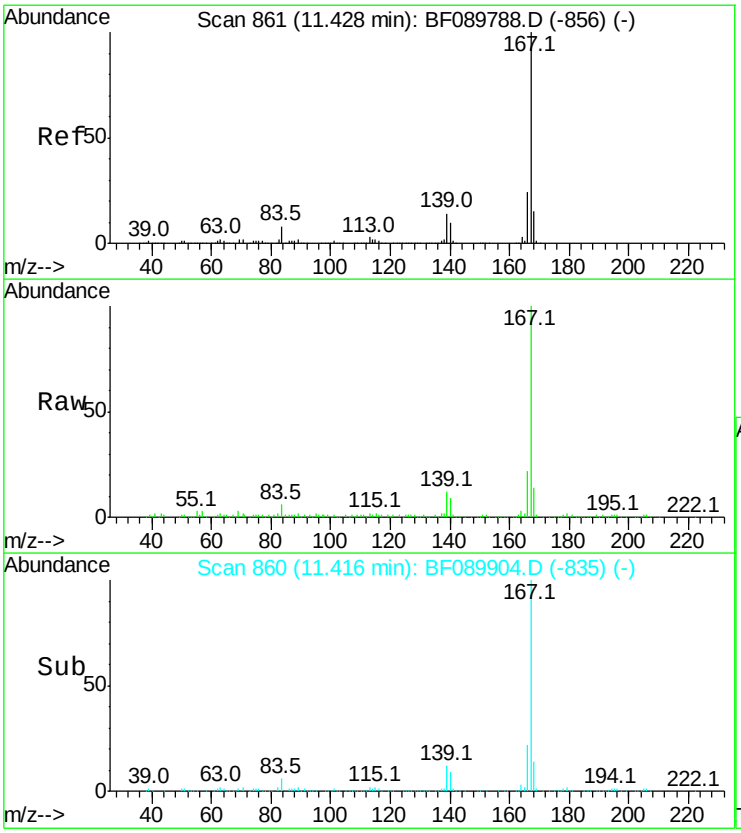
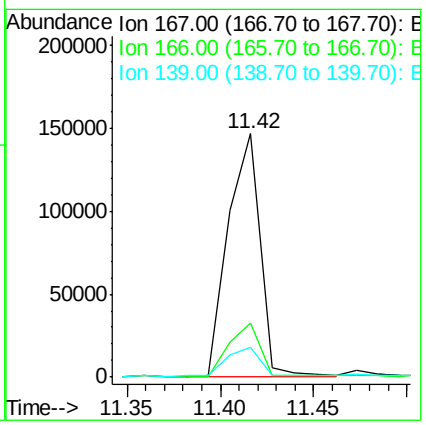
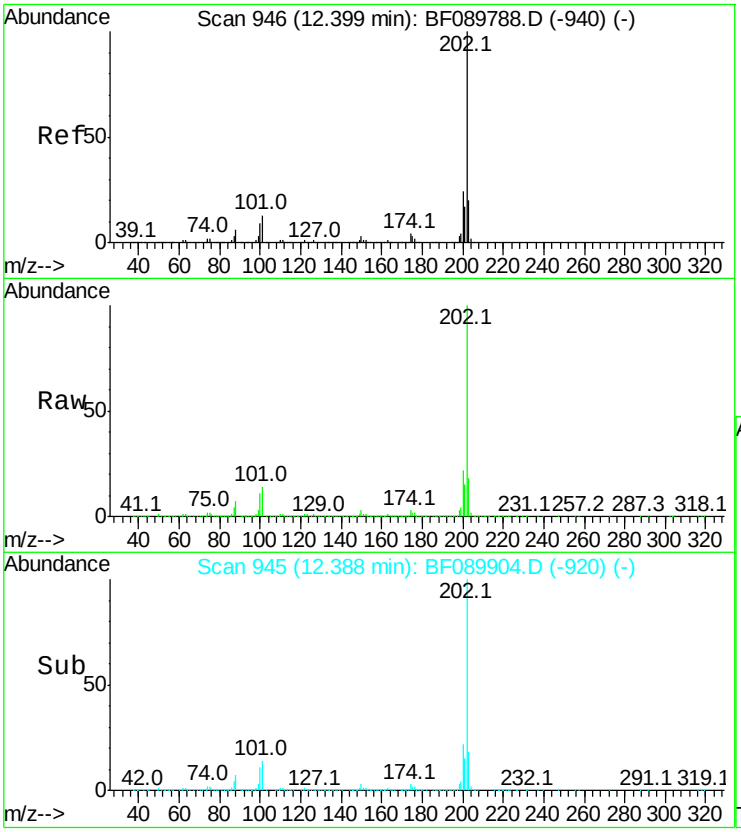


#72
Carbazole
Concen: 2.80 ng
RT: 11.42 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF089904.D
Acq: 25 Aug 2016 5:58

Tgt Ion:167 Resp: 175766

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.9	26.9
139	12.0	12.4	18.6#

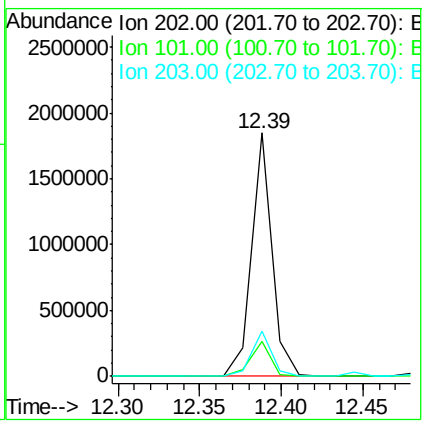




#74
Fluoranthene
Concen: 24.42 ng
RT: 12.39 min Scan# 945
Delta R.T. -0.01 min
Lab File: BF089904.D
Acq: 25 Aug 2016 5:58

Tgt Ion:202 Resp: 1601562

Ion	Ratio	Lower	Upper
202	100		
101	14.5	0.0	31.2
203	18.5	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
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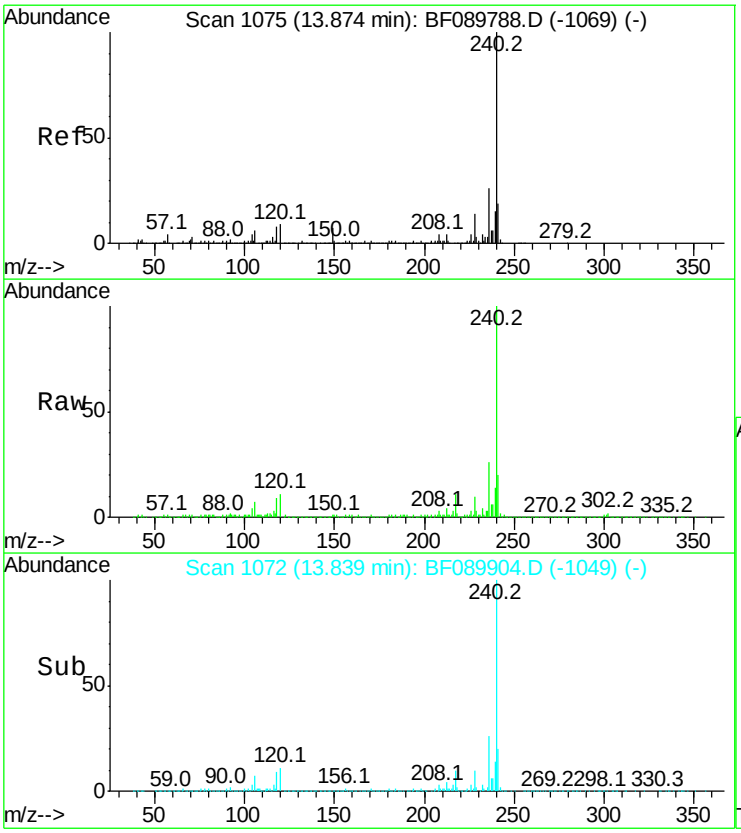
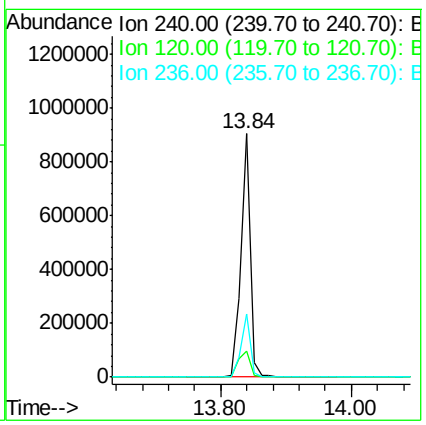
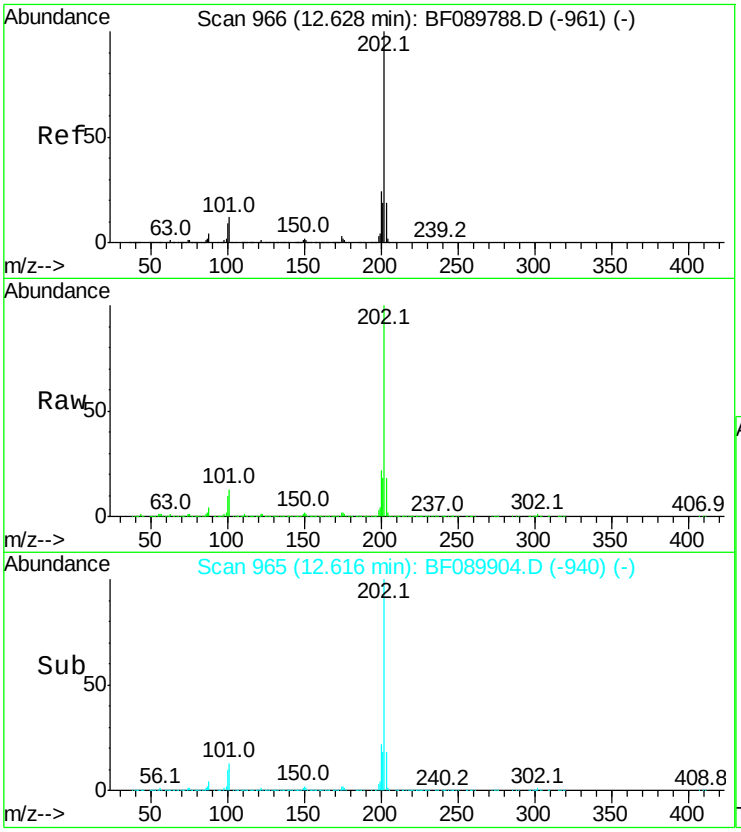


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.84 min Scan# 1072
Delta R.T. -0.03 min
Lab File: BF089904.D
Acq: 25 Aug 2016 5:58

Tgt Ion:240 Resp: 876635

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.3	12.5
236	26.1	21.3	31.9

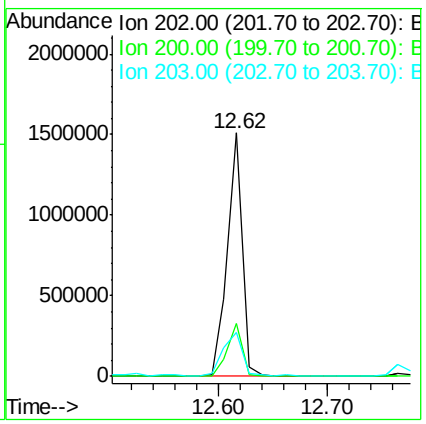




#77
Pyrene
Concen: 19.95 ng
RT: 12.62 min Scan# 965
Delta R.T. -0.01 min
Lab File: BF089904.D
Acq: 25 Aug 2016 5:58

Tgt Ion:202 Resp: 1423864

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.8	26.6
203	18.0	14.2	21.4



Instrument :
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ClientSampleId :
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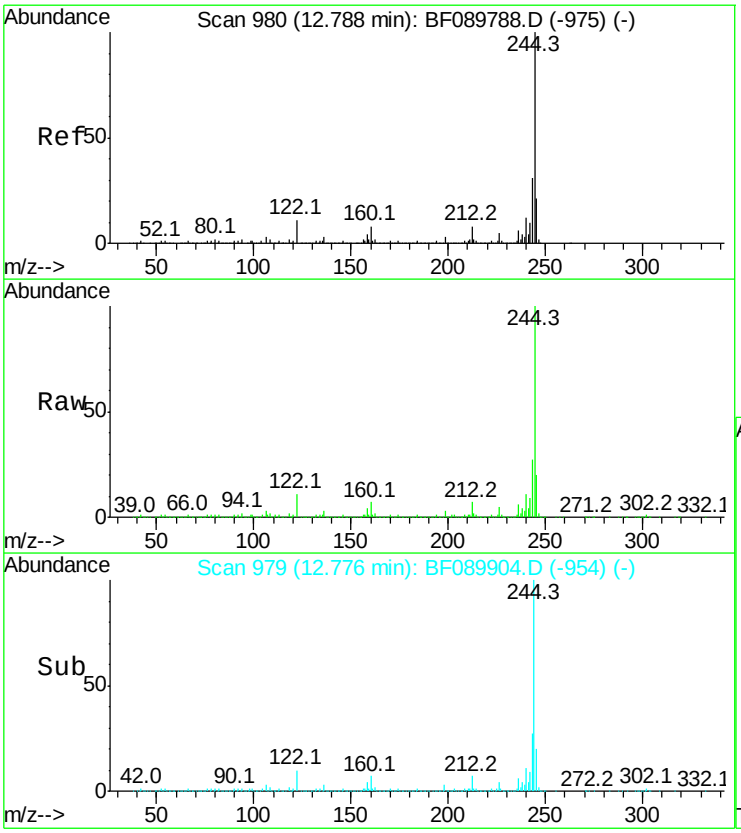
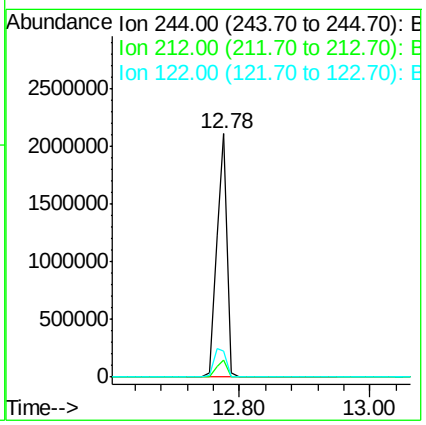
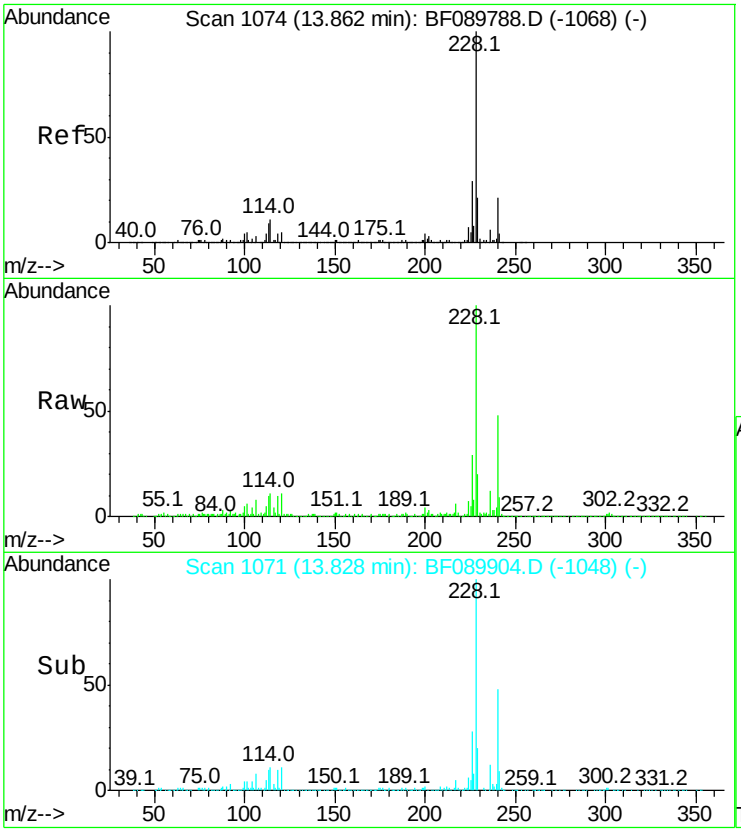


#78
Terphenyl-d14
Concen: 60.84 ng
RT: 12.78 min Scan# 979
Delta R.T. -0.01 min
Lab File: BF089904.D
Acq: 25 Aug 2016 5:58

Tgt Ion:244 Resp: 2357696

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.3	9.5
122	10.5	12.0	18.0#

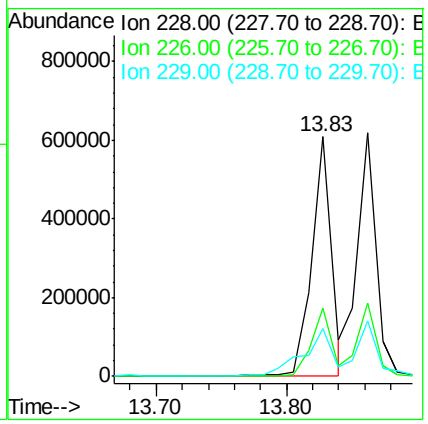




#80
Benzo(a)anthracene
Concen: 12.76 ng
RT: 13.83 min Scan# 1071
Delta R.T. -0.03 min
Lab File: BF089904.D
Acq: 25 Aug 2016 5:58

Tgt Ion:228 Resp: 640665

Ion	Ratio	Lower	Upper
228	100		
226	28.6	23.2	34.8
229	20.2	16.2	24.4



Instrument :
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ClientSampleId :
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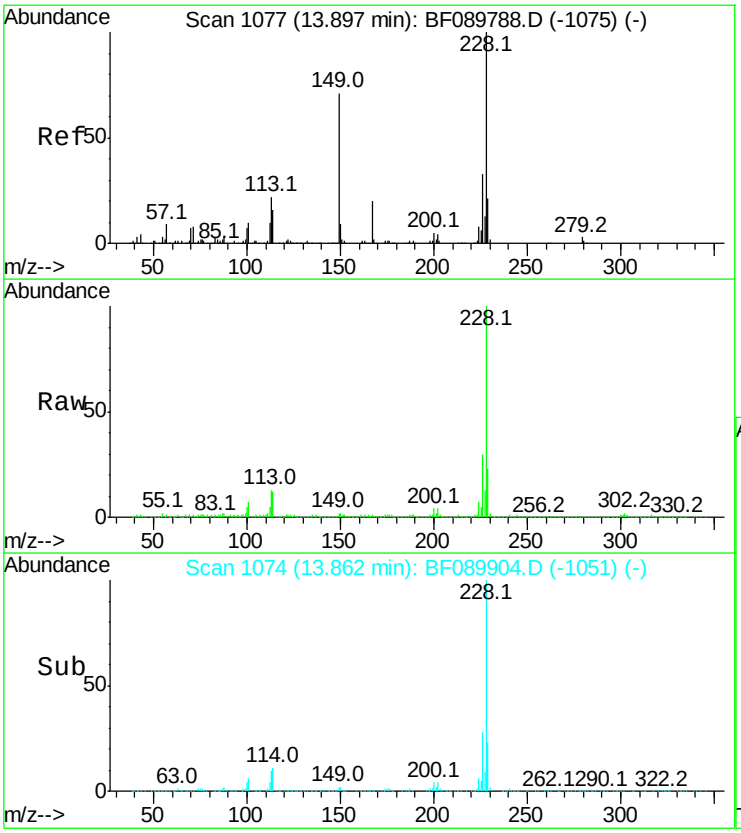
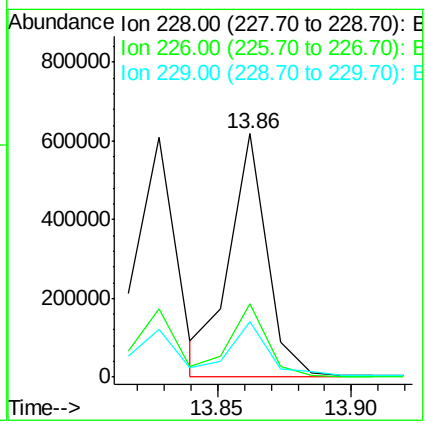
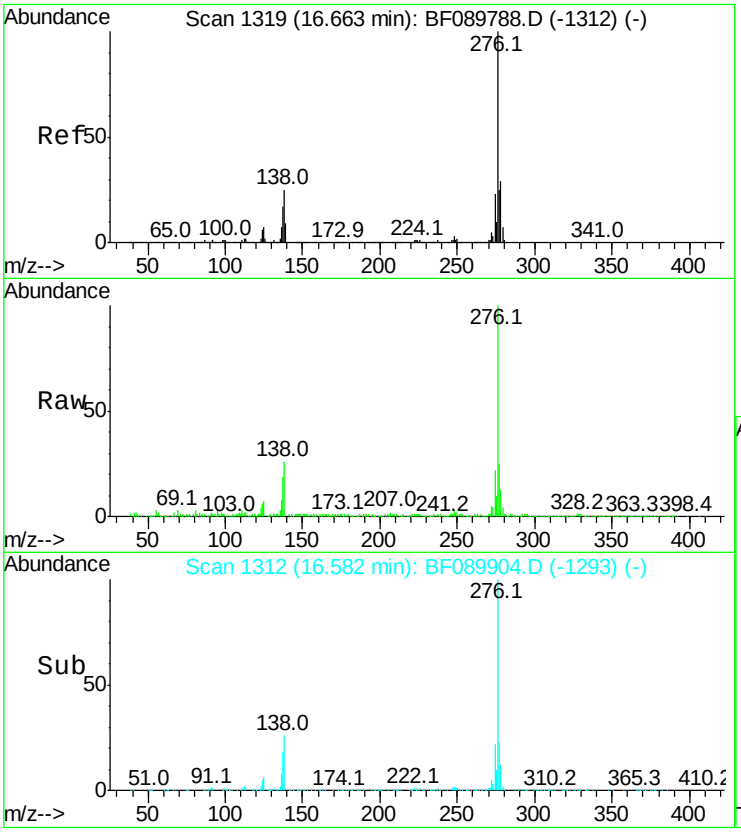


#82
Chrysene
Concen: 14.24 ng m
RT: 13.86 min Scan# 1074
Delta R.T. -0.03 min
Lab File: BF089904.D
Acq: 25 Aug 2016 5:58

Tgt Ion:228 Resp: 612704

Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.4	38.0
229	22.9	16.5	24.7

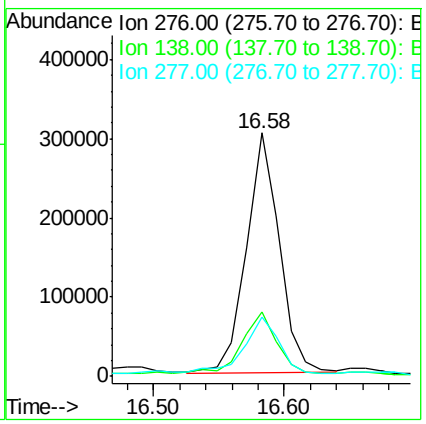




#85
Indeno(1,2,3-cd)pyrene
Concen: 9.69 ng
RT: 16.58 min Scan# 1312
Delta R.T. -0.08 min
Lab File: BF089904.D
Acq: 25 Aug 2016 5:58

Tgt Ion:276 Resp: 532123

Ion	Ratio	Lower	Upper
276	100		
138	28.3	24.6	36.8
277	28.5	20.4	30.6



Instrument :
BNA_F
ClientSampleId :
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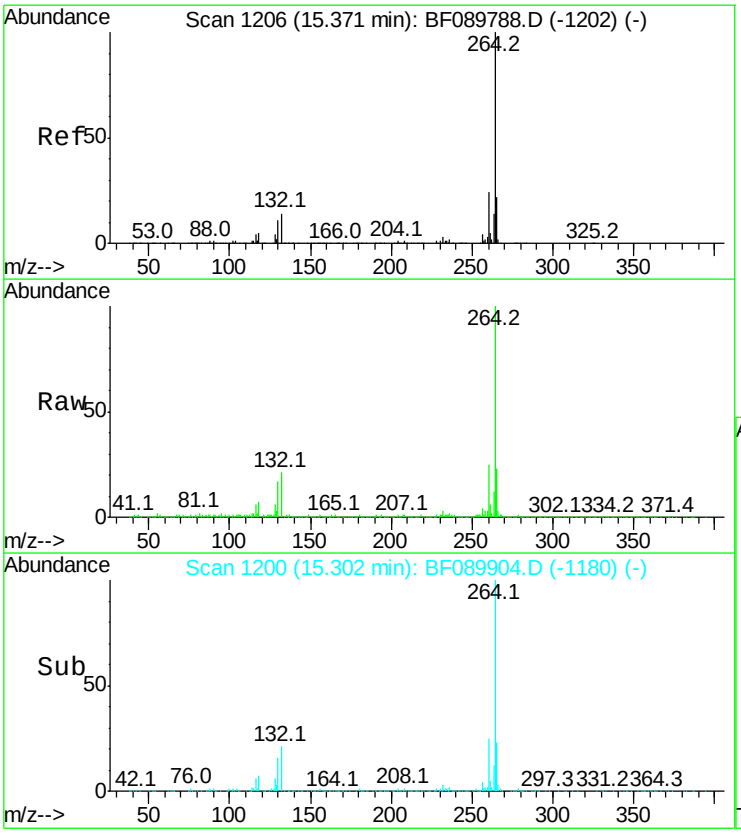
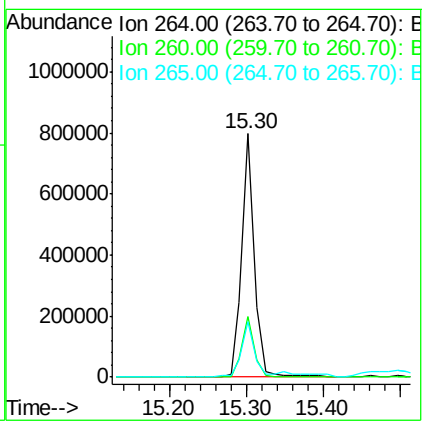
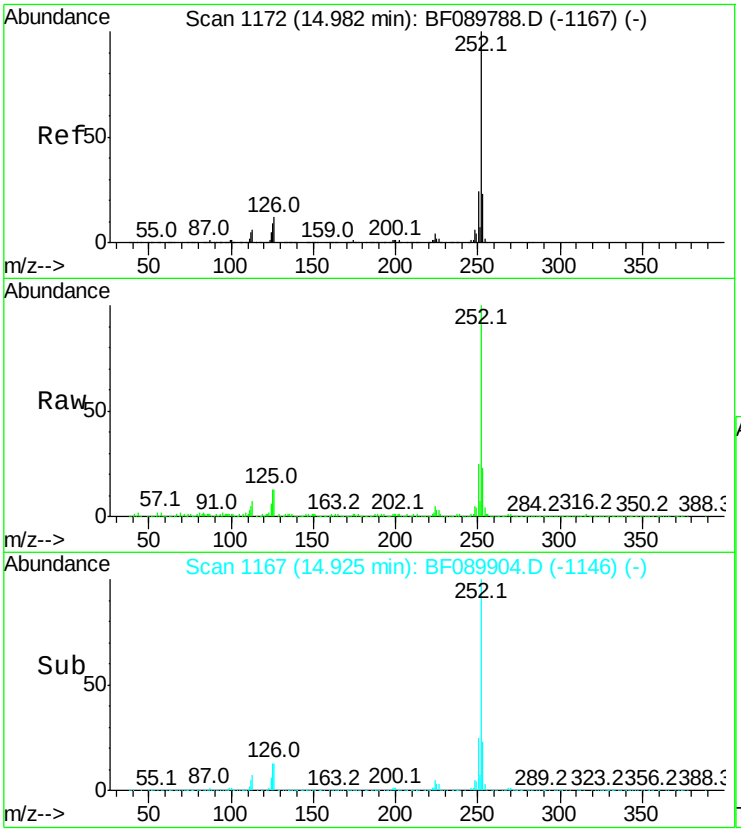


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1200
Delta R.T. -0.07 min
Lab File: BF089904.D
Acq: 25 Aug 2016 5:58

Tgt Ion:264 Resp: 910217

Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.2	30.2
265	22.7	17.4	26.2

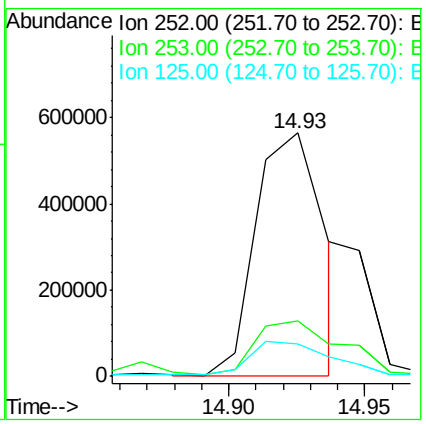




#87
Benzo(b)fluoranthene
Concen: 19.65 ng m
RT: 14.93 min Scan# 1167
Delta R.T. -0.06 min
Lab File: BF089904.D
Acq: 25 Aug 2016 5:58

Tgt Ion:252 Resp: 984059

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	13.1	11.4	17.2



Instrument :
BNA_F
ClientSampleId :
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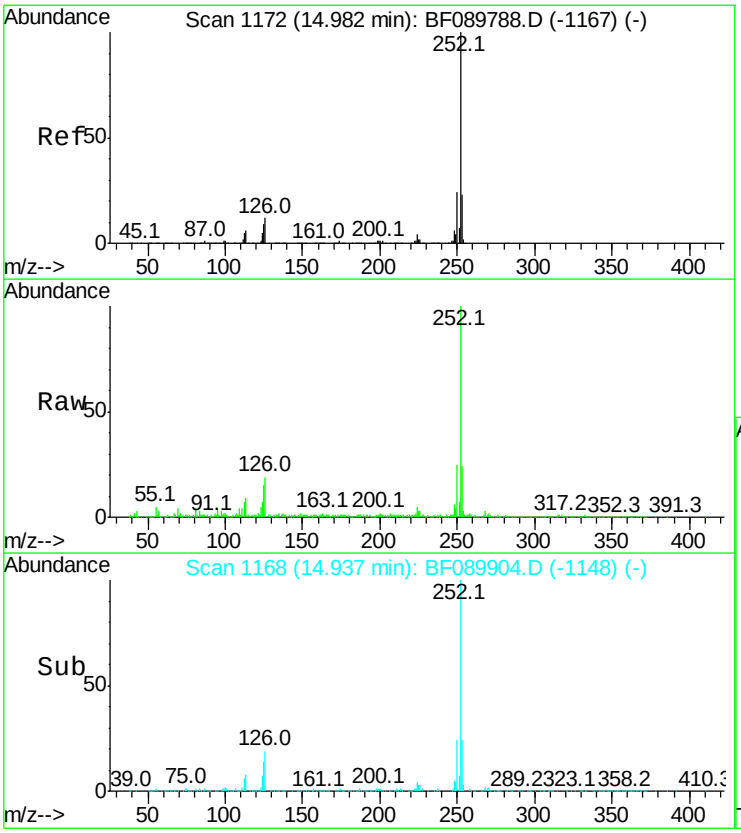
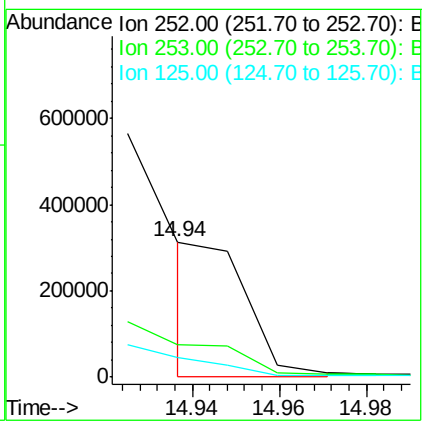
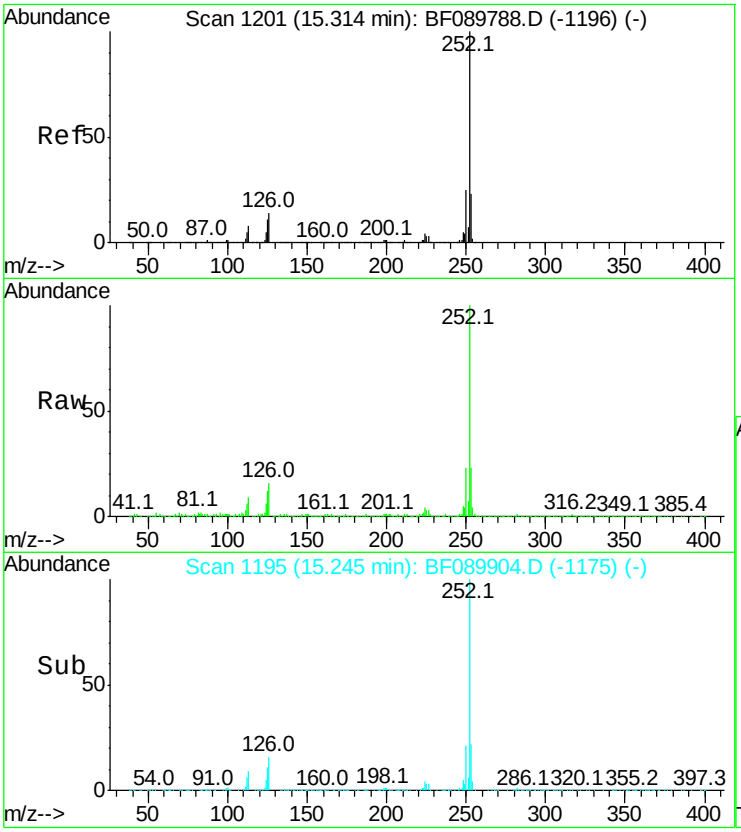


#88
Benzo(k)fluoranthene
Concen: 4.93 ng m
RT: 14.94 min Scan# 1168
Delta R.T. -0.07 min
Lab File: BF089904.D
Acq: 25 Aug 2016 5:58

Tgt Ion:252 Resp: 224177

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.4	27.6
125	14.9	9.8	14.6#

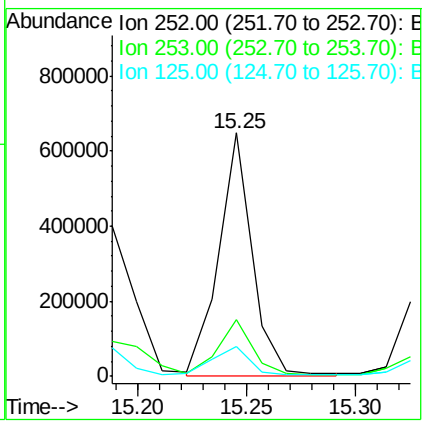




#89
Benzo(a)pyrene
Concen: 14.50 ng
RT: 15.25 min Scan# 1195
Delta R.T. -0.07 min
Lab File: BF089904.D
Acq: 25 Aug 2016 5:58

Tgt Ion:252 Resp: 687379

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	12.4	11.7	17.5



Instrument :
BNA_F
ClientSampleId :
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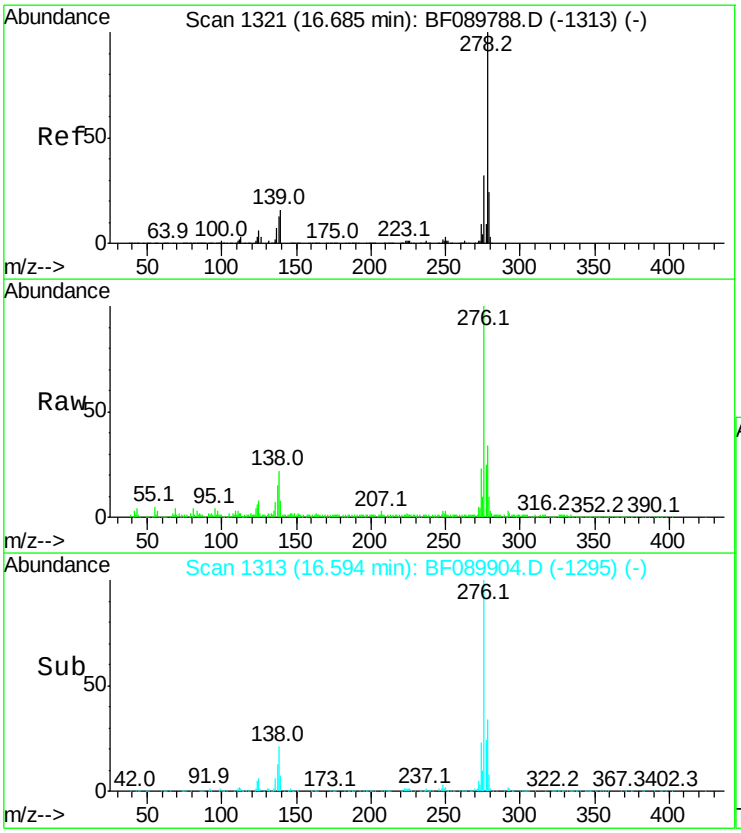
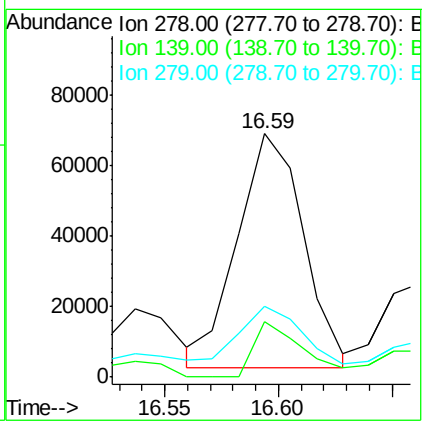
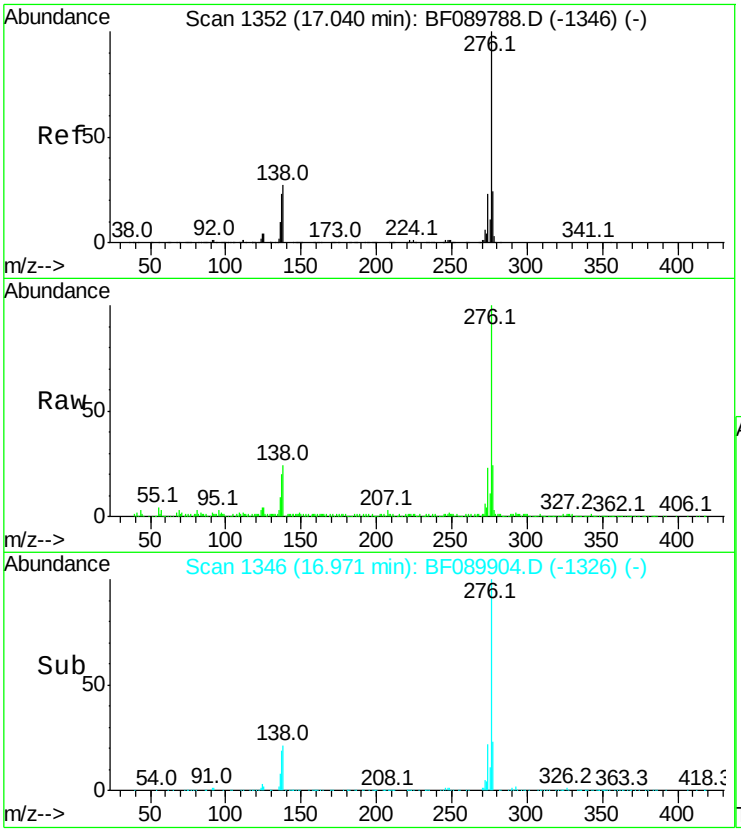


#90
Dibenzo(a,h)anthracene
Concen: 2.62 ng m
RT: 16.59 min Scan# 1313
Delta R.T. -0.09 min
Lab File: BF089904.D
Acq: 25 Aug 2016 5:58

Tgt Ion:278 Resp: 135025

Ion	Ratio	Lower	Upper
278	100		
139	22.8	14.9	22.3#
279	29.2	19.2	28.8#

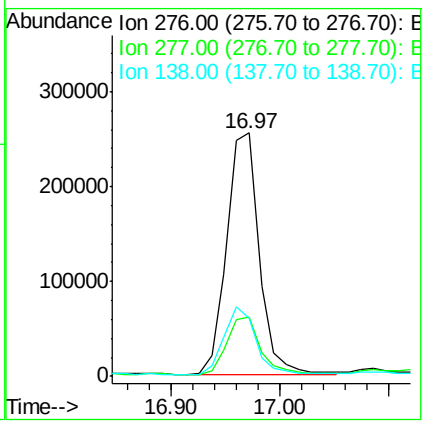




#91
Benzo(g,h,i)perylene
Concen: 9.70 ng
RT: 16.97 min Scan# 1346
Delta R.T. -0.07 min
Lab File: BF089904.D
Acq: 25 Aug 2016 5:58

Tgt Ion:276 Resp: 525396

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.2	28.8
138	23.6	22.1	33.1



Instrument :
BNA_F
ClientSampleId :
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