Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060616\
Data File : BF087752.D
Acq On : 6 Jun 2016 15:13
Operator : UM/SJ
Sample : H3267-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STA-TA-1271(0-4)

Manual Integrations APPROVED
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Quant Time: Jun 06 18:09:10 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 04 11:07:28 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	134634	20.00	ng		-0.02
21) Naphthalene-d8	8.14	136	538090	20.00	ng		-0.01
38) Acenaphthene-d10	9.88	164	216234	20.00	ng		-0.02
63) Phenanthrene-d10	11.37	188	382201	20.00	ng		-0.01
75) Chrysene-d12	14.01	240	263691	20.00	ng		-0.01
86) Perylene-d12	15.44	264	244694	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.45	112	755371	90.68	ng		0.00
7) Phenol-d6	6.49	99	1133367	108.49	ng		0.00
23) Nitrobenzene-d5	7.42	82	634729	68.25	ng		-0.01
41) 2,4,6-Tribromophenol	10.67	330	183936	84.74	ng		-0.01
44) 2-Fluorobiphenyl	9.21	172	947614	61.81	ng		-0.02
78) Terphenyl-d14	12.96	244	598485	55.38	ng		-0.01
Target Compounds							Qvalue
31) Naphthalene	8.16	128	115344	4.41	ng		98
37) 2-Methylnaphthalene	8.84	142	56429	3.27	ng		97
48) Acenaphthylene	9.75	152	301068	13.82	ng		100
49) Dimethylphthalate	9.61	163	333430	21.21	ng		99
54) Dibenzofuran	10.09	168	40060	2.10	ng	#	91
70) Phenanthrene	11.39	178	299734	14.46	ng		99
71) Anthracene	11.44	178	203321	9.79	ng		99
72) Carbazole	11.60	167	147845	7.52	ng		98
74) Fluoranthene	12.59	202	1531172	75.09	ng		94
77) Pyrene	12.81	202	1378304	73.40	ng		98
80) Benzo(a)anthracene	14.00	228	786201m	51.66	ng		
82) Chrysene	14.03	228	852794m	56.30	ng		
85) Indeno(1,2,3-cd)pyrene	16.83	276	417235	33.32	ng	#	100
87) Benzo(b)fluoranthene	15.04	252	1188898m	74.69	ng		
88) Benzo(k)fluoranthene	15.06	252	355191m	26.82	ng		
89) Benzo(a)pyrene	15.38	252	574349	42.92	ng		97
90) Dibenzo(a,h)anthracene	16.83	278	109388m	9.61	ng		
91) Benzo(g,h,i)perylene	17.26	276	354594	30.86	ng		95

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

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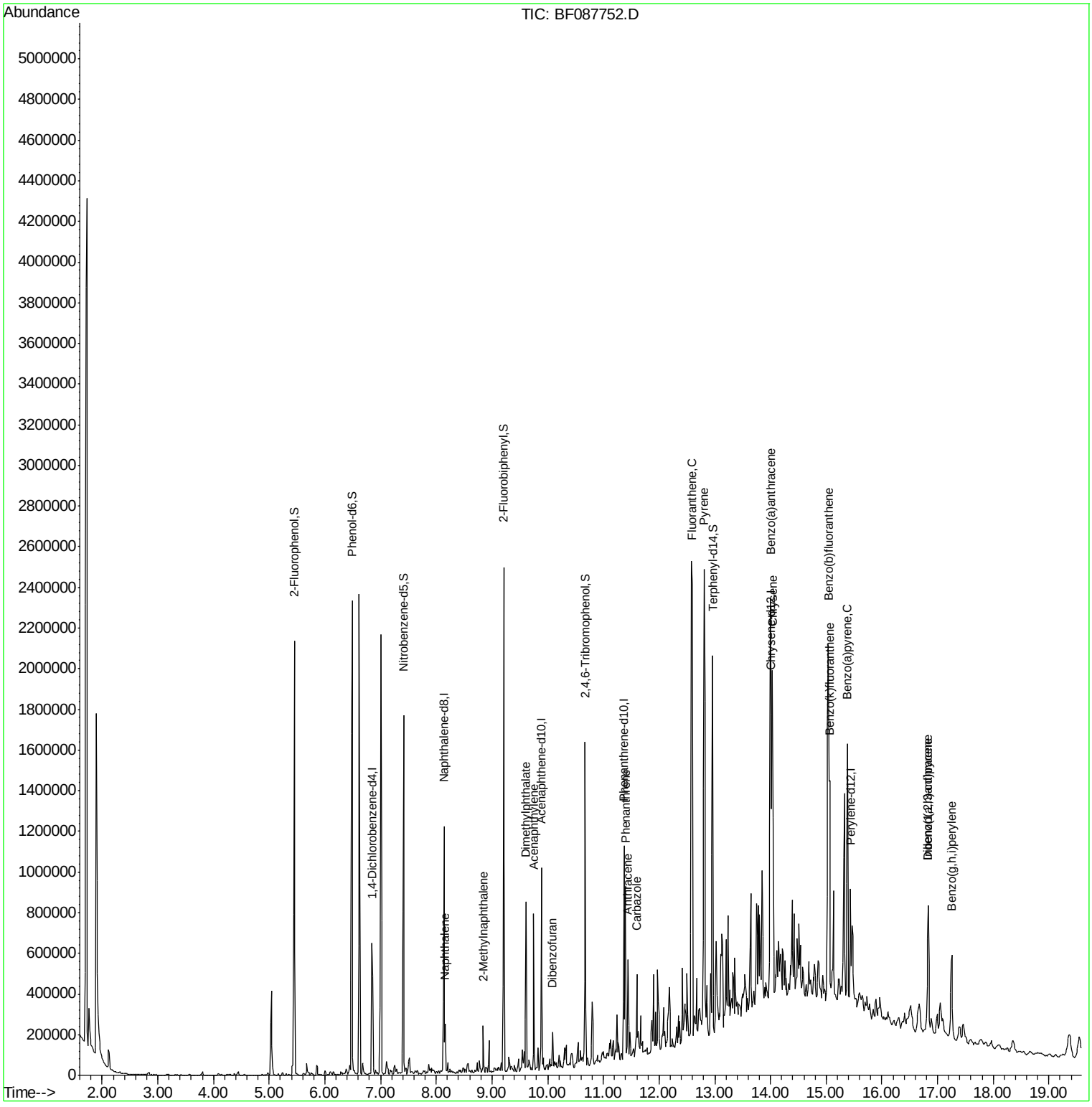
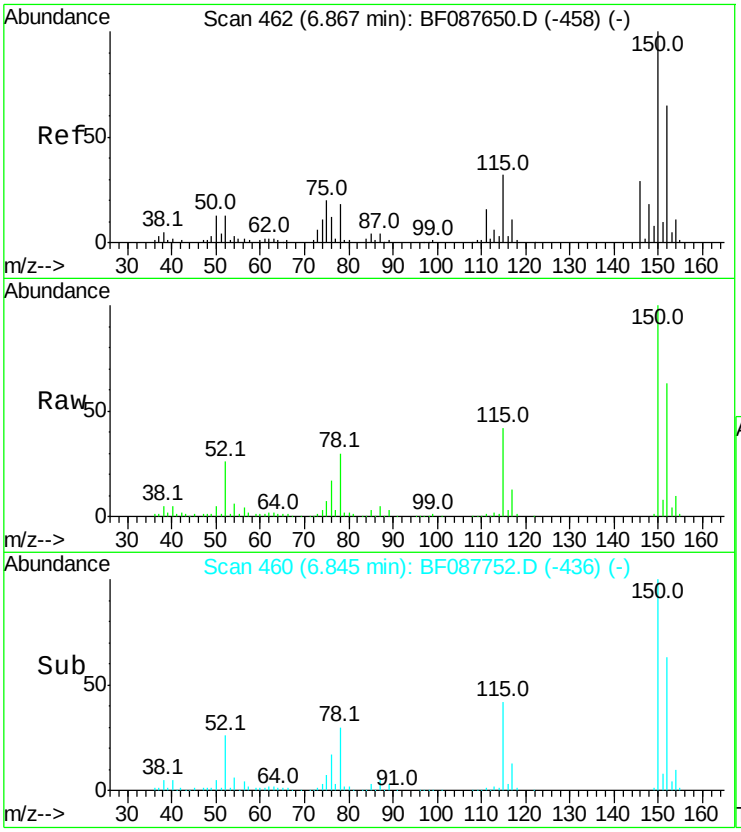
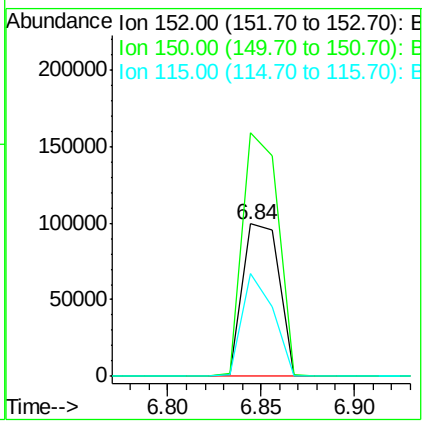




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 460
Delta R.T. -0.02 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion:152 Resp: 134634

Ion	Ratio	Lower	Upper
152	100		
150	159.5	123.8	185.6
115	67.4	39.6	59.4#



Instrument :
BNA_F
ClientSampleId :
STA-TA-1271(0-4)

Manual Integrations APPROVED
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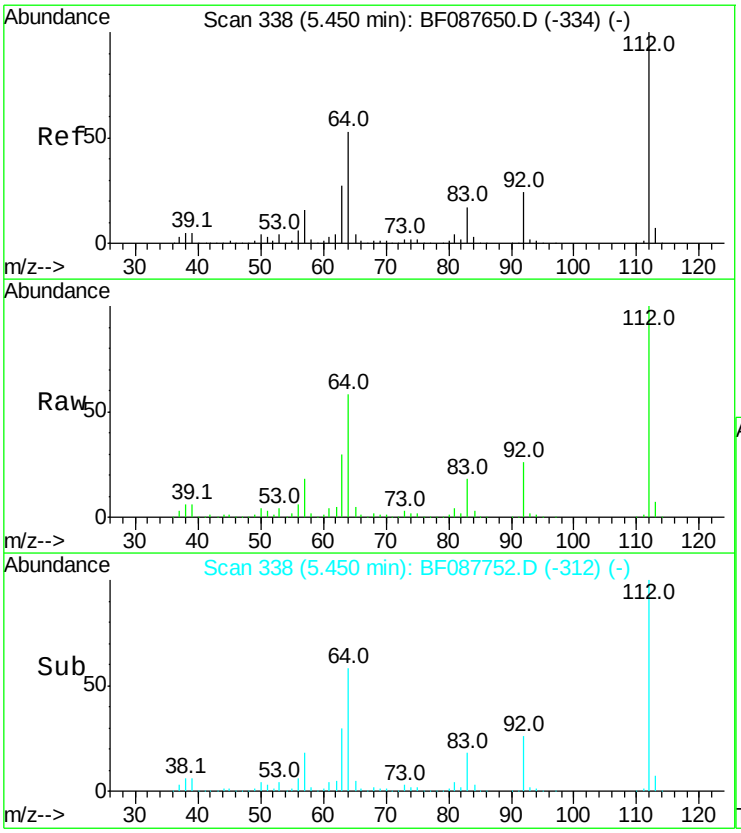
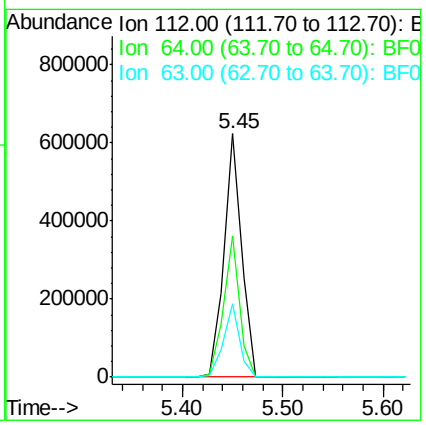
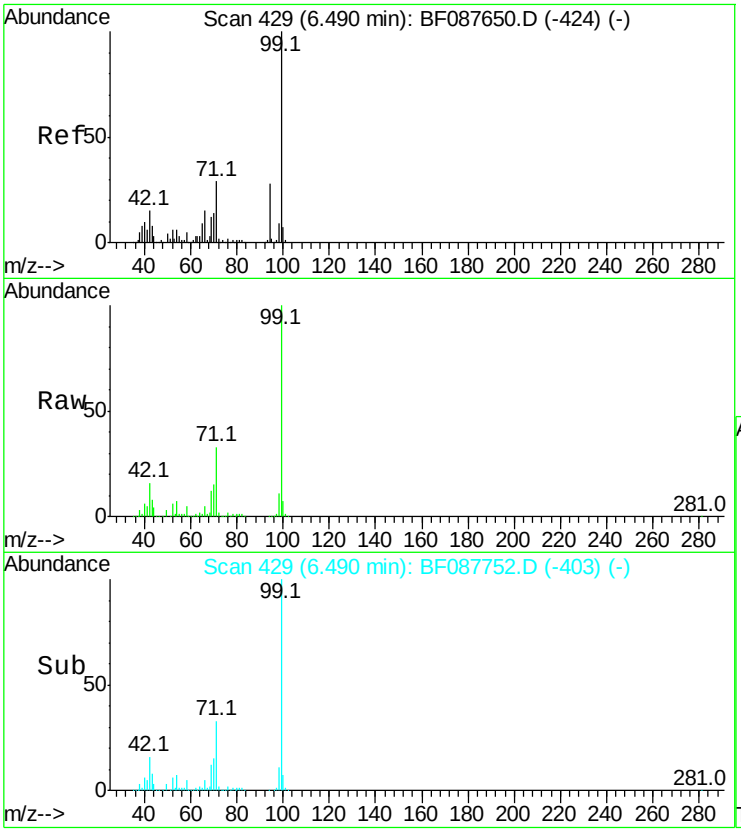


#5
2-Fluorophenol
Concen: 90.68 ng
RT: 5.45 min Scan# 338
Delta R.T. 0.00 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion:112 Resp: 755371

Ion	Ratio	Lower	Upper
112	100		
64	57.8	42.2	63.2
63	30.1	21.8	32.8

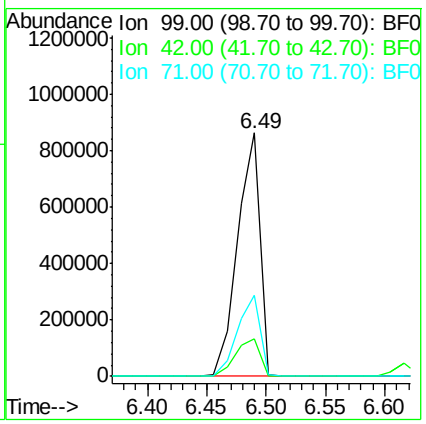




#7
Phenol-d6
Concen: 108.49 ng
RT: 6.49 min Scan# 429
Delta R.T. -0.00 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion: 99 Resp: 1133367

Ion	Ratio	Lower	Upper
99	100		
42	15.7	12.2	18.2
71	33.1	23.4	35.0



Instrument :
BNA_F
ClientSampleId :
STA-TA-1271(0-4)

Manual Integrations APPROVED
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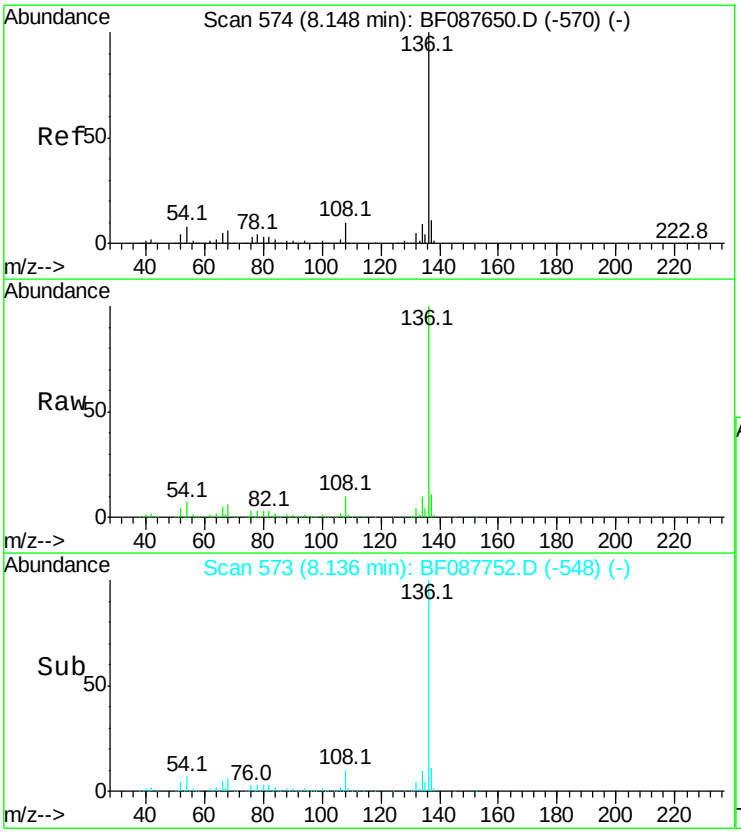
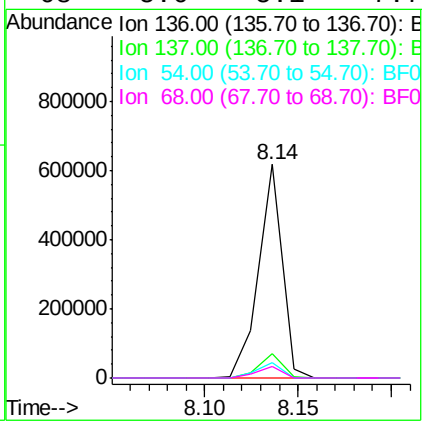
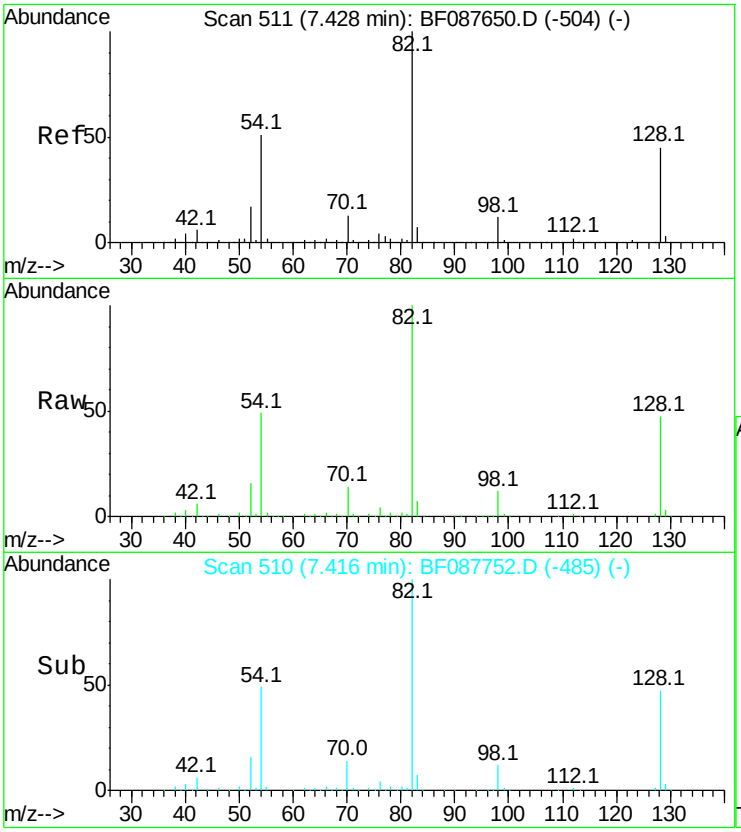


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion:136 Resp: 538090

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	7.0	6.6	10.0
68	5.6	5.1	7.7

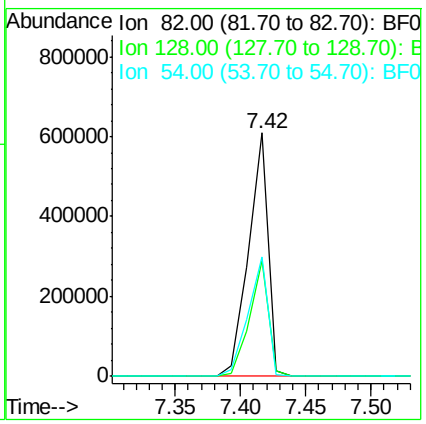




#23
Nitrobenzene-d5
Concen: 68.25 ng
RT: 7.42 min Scan# 510
Delta R.T. -0.01 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion: 82 Resp: 634729

Ion	Ratio	Lower	Upper
82	100		
128	47.3	35.9	53.9
54	49.0	40.9	61.3



Instrument :
BNA_F
ClientSampleId :
STA-TA-1271(0-4)

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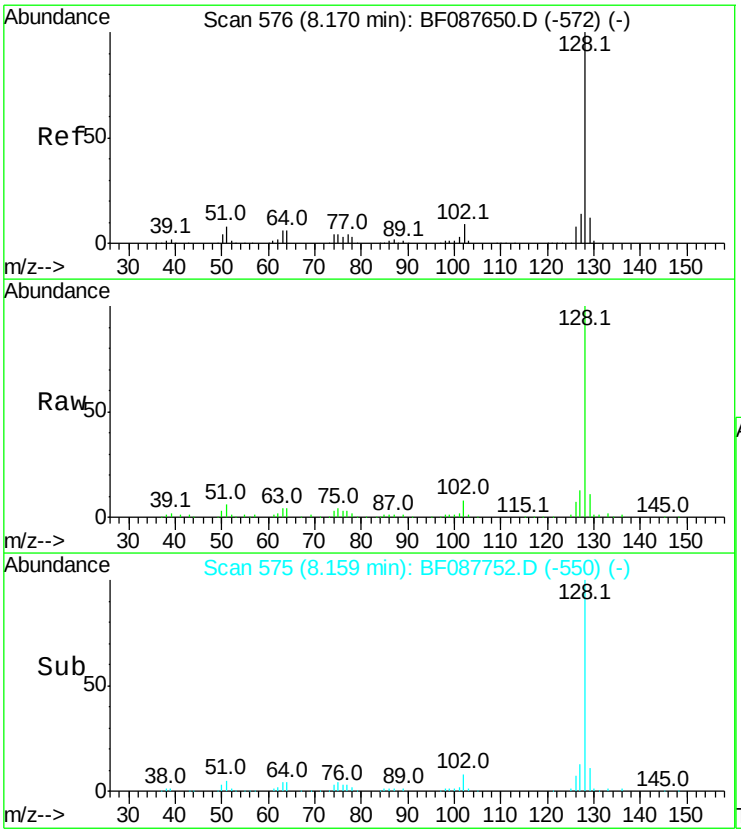
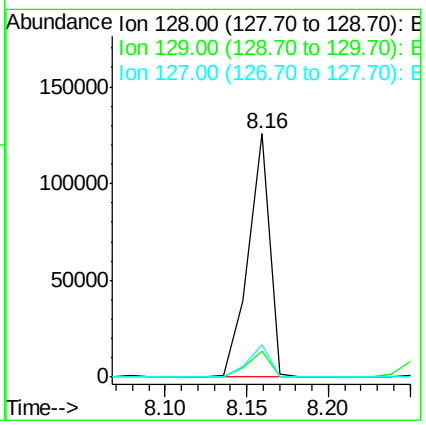
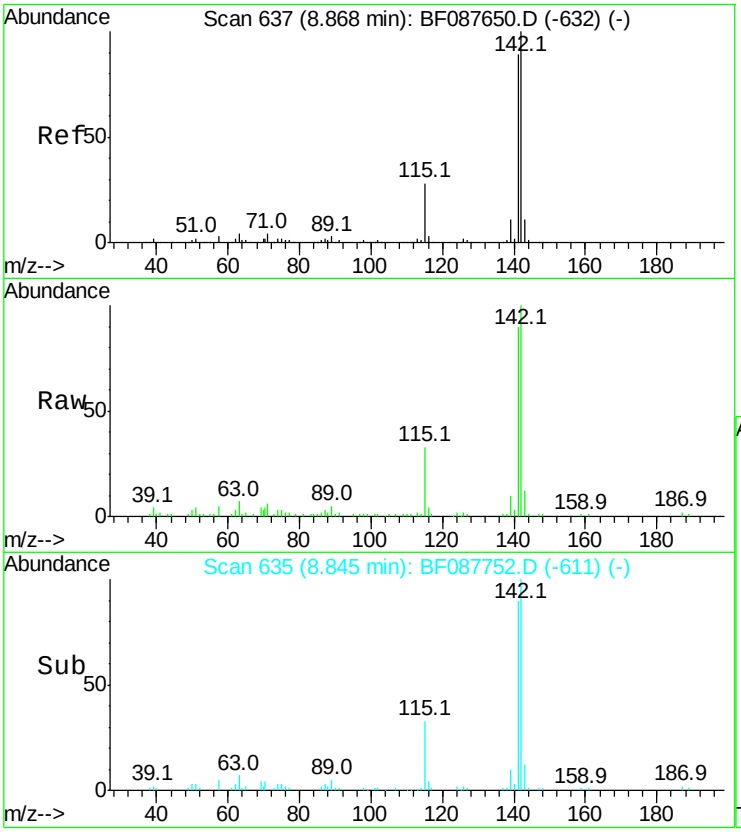


#31
Naphthalene
Concen: 4.41 ng
RT: 8.16 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion:128 Resp: 115344

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.4	14.2
127	13.3	10.9	16.3

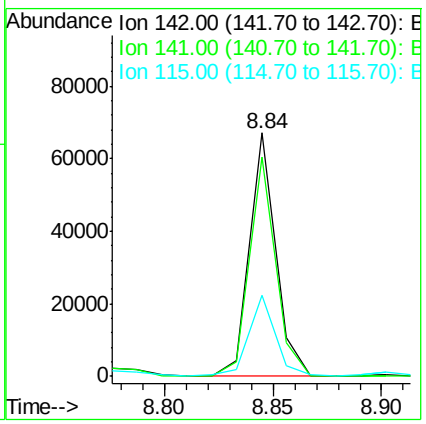




#37
2-Methylnaphthalene
Concen: 3.27 ng
RT: 8.84 min Scan# 635
Delta R.T. -0.02 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion:142 Resp: 56429

Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.0	106.6
115	33.1	22.6	33.8



Instrument :
BNA_F
ClientSampleId :
STA-TA-1271(0-4)

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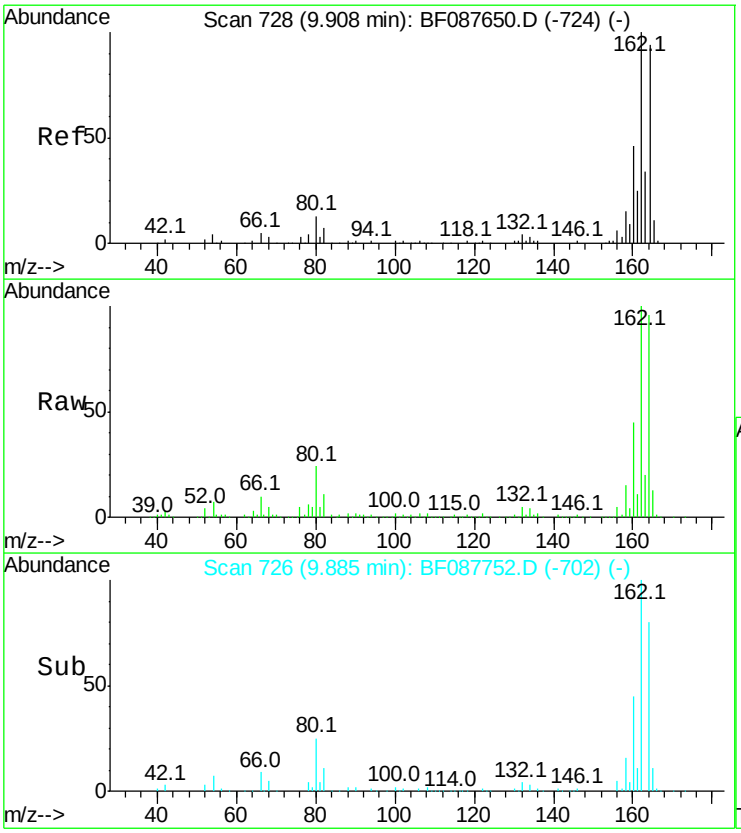
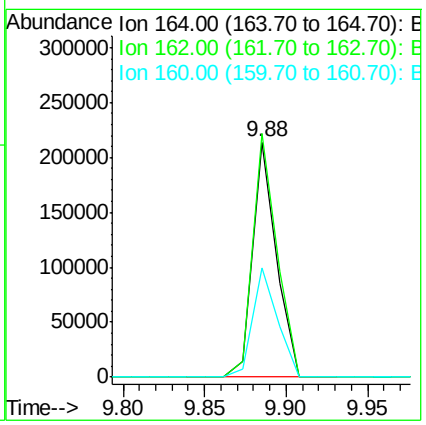
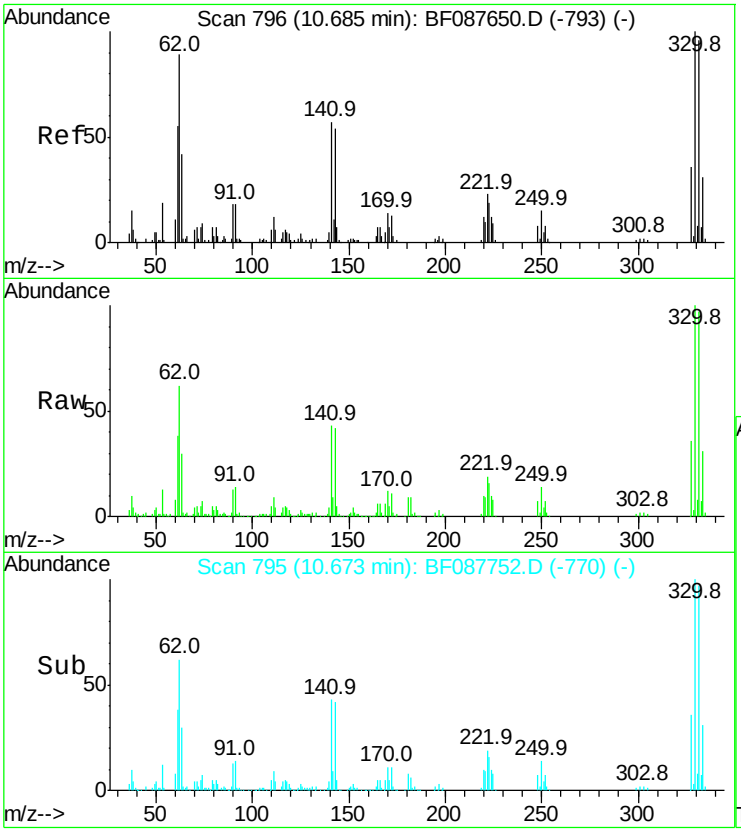


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 726
Delta R.T. -0.02 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion:164 Resp: 216234

Ion	Ratio	Lower	Upper
164	100		
162	103.7	85.4	128.2
160	46.3	39.5	59.3

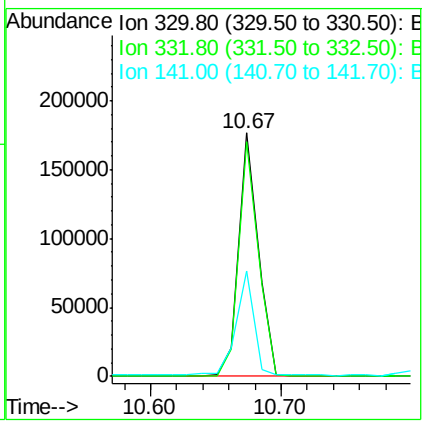




#41
2,4,6-Tribromophenol
Concen: 84.74 ng
RT: 10.67 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion:330 Resp: 183936

Ion	Ratio	Lower	Upper
330	100		
332	96.8	0.0	0.0#
141	40.1	0.0	0.0#



Instrument :
BNA_F
ClientSampleId :
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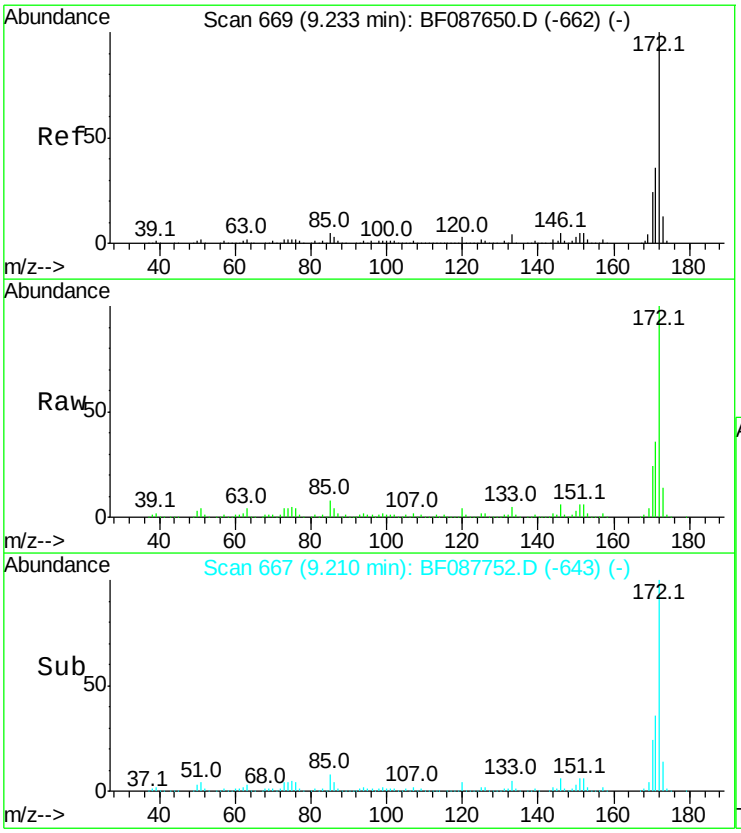
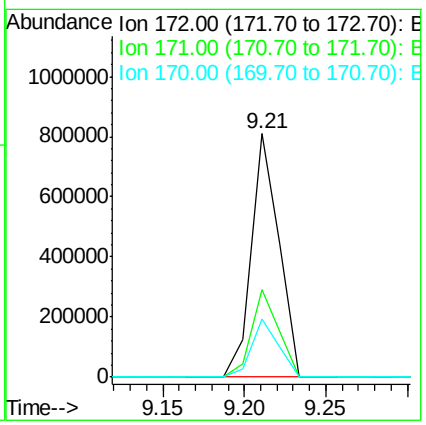
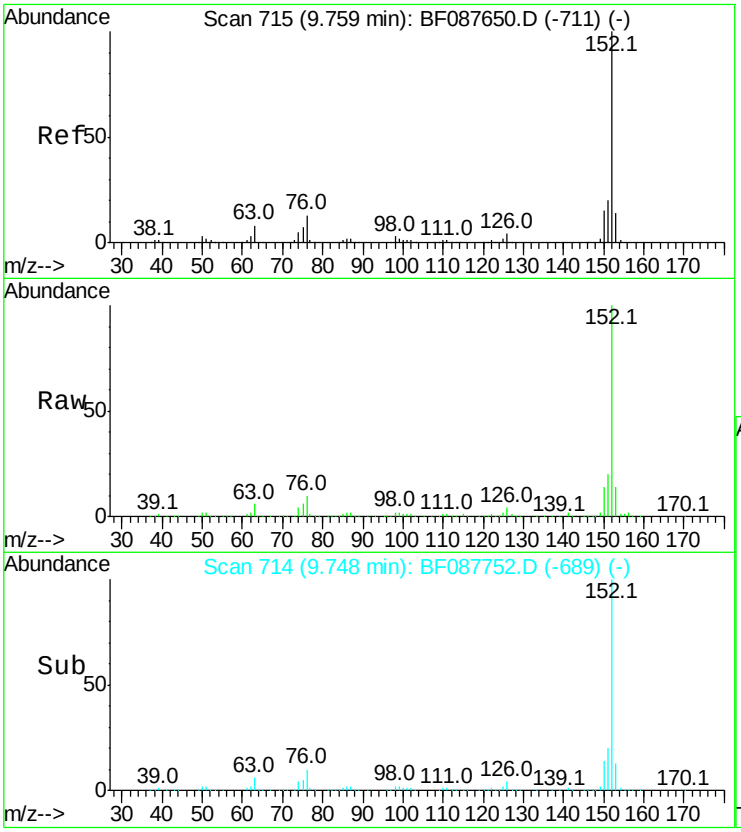


#44
2-Fluorobiphenyl
Concen: 61.81 ng
RT: 9.21 min Scan# 667
Delta R.T. -0.02 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion:172 Resp: 947614

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	24.0	19.2	28.8

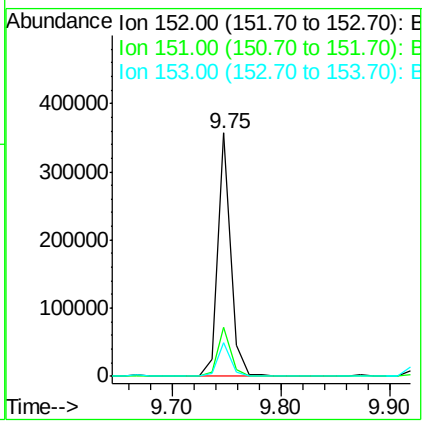




#48
Acenaphthylene
Concen: 13.82 ng
RT: 9.75 min Scan# 714
Delta R.T. -0.01 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion:152 Resp: 301068

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4
153	13.7	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
STA-TA-1271(0-4)

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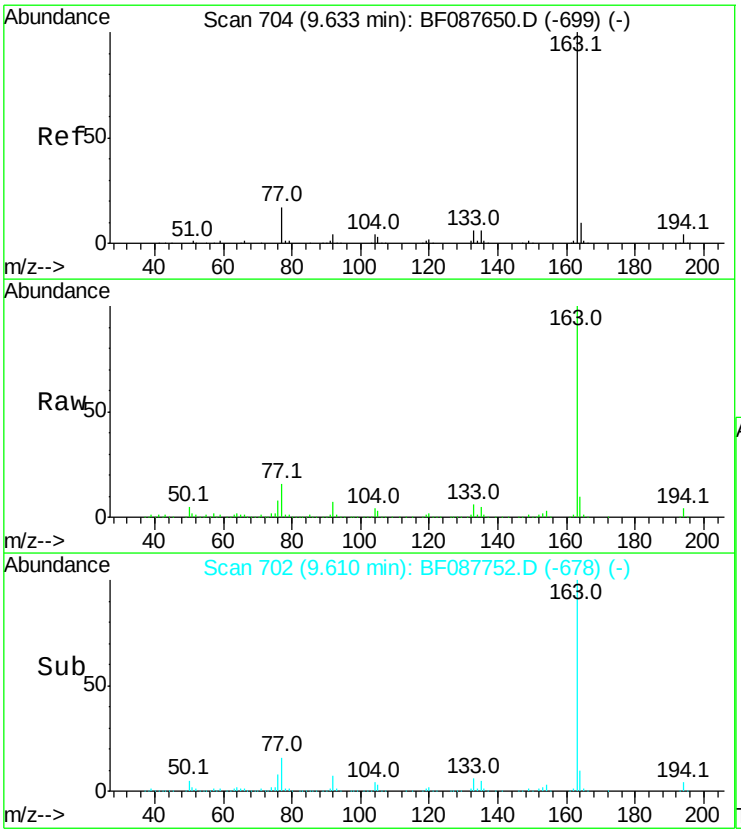
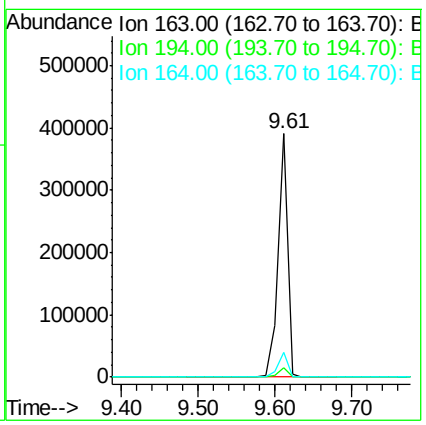
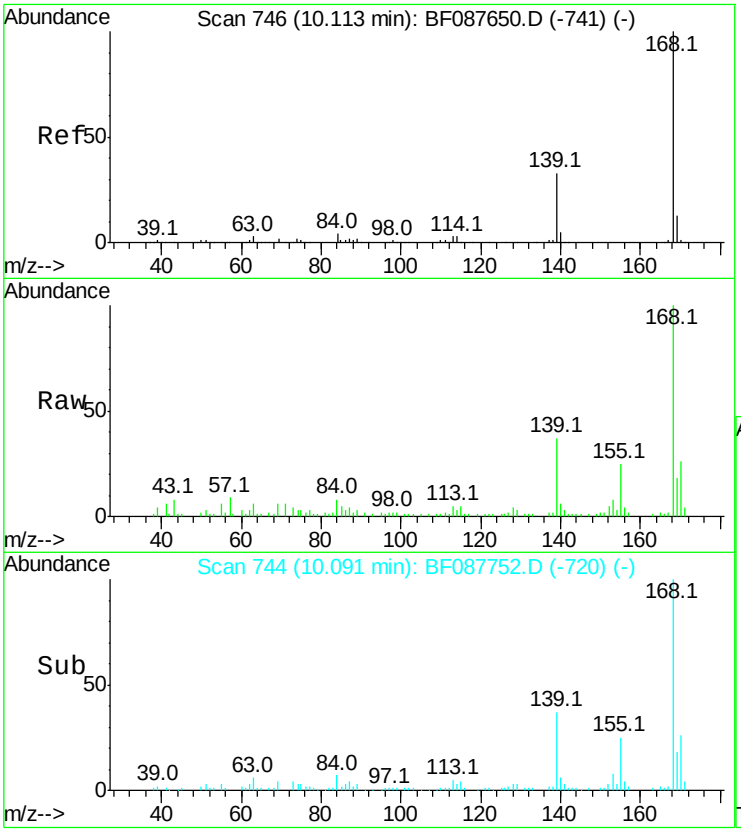


#49
Dimethylphthalate
Concen: 21.21 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.02 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion:163 Resp: 333430

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.8	4.2
164	10.0	8.3	12.5

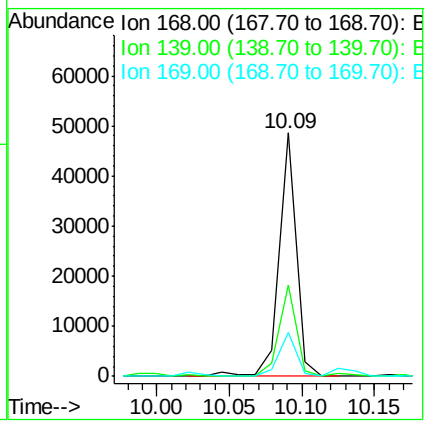




#54
Dibenzofuran
Concen: 2.10 ng
RT: 10.09 min Scan# 744
Delta R.T. -0.02 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion:168 Resp: 40060

Ion	Ratio	Lower	Upper
168	100		
139	37.3	26.4	39.6
169	18.0	10.4	15.6#



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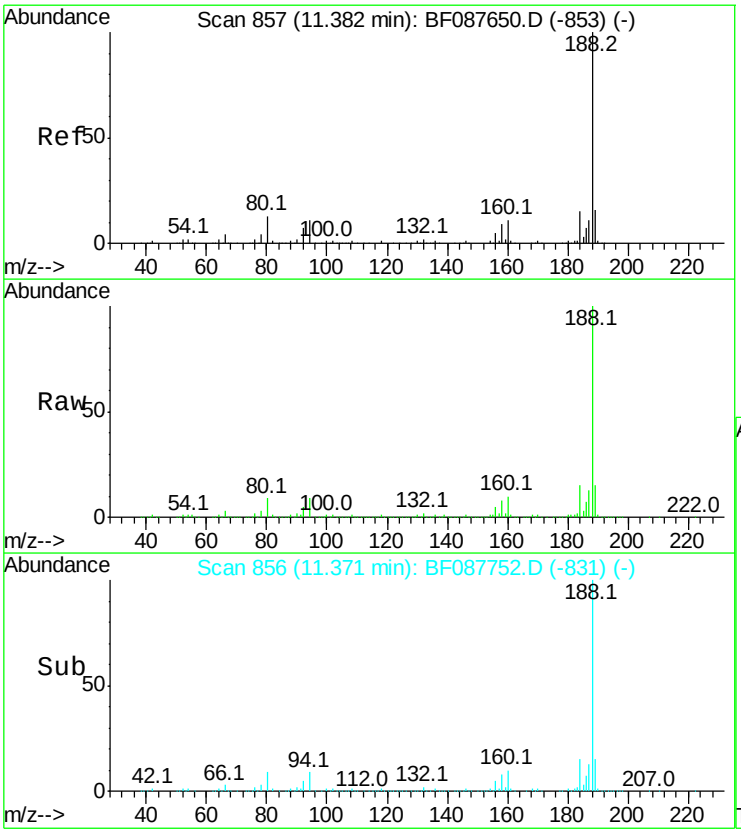
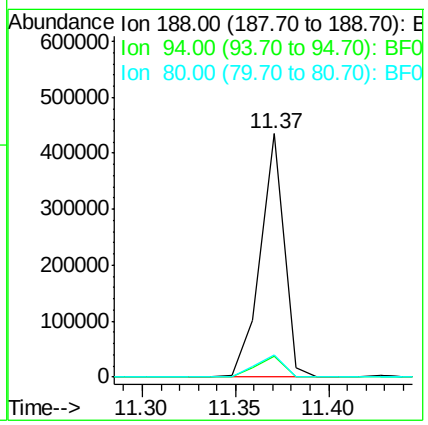
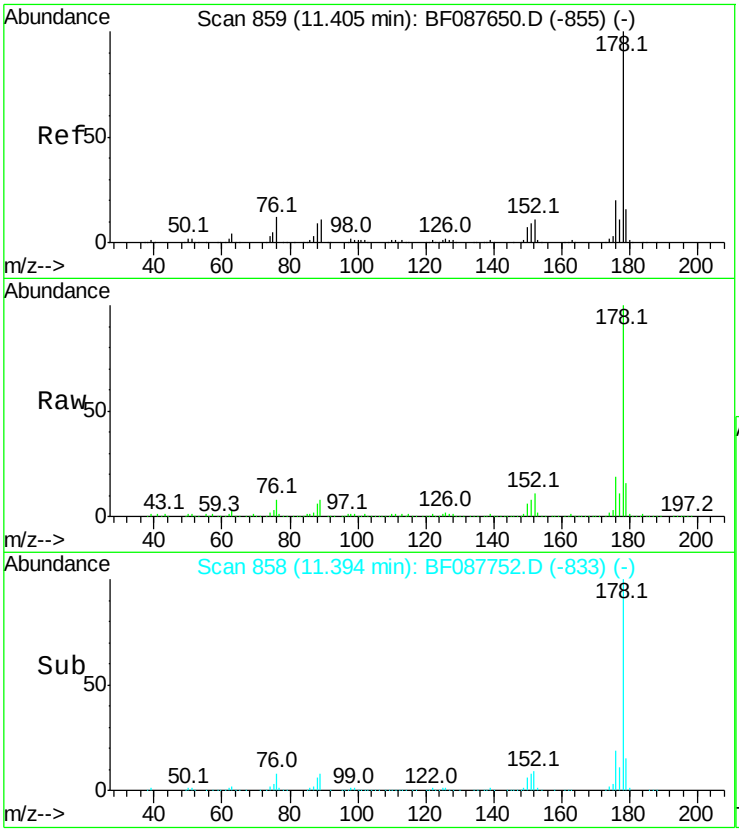


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion:188 Resp: 382201

Ion	Ratio	Lower	Upper
188	100		
94	8.6	9.0	13.6#
80	8.9	10.0	15.0#

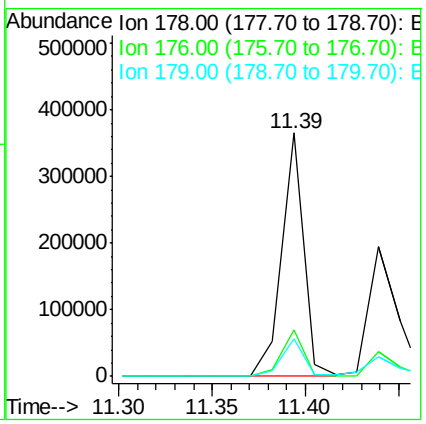




#70
Phenanthrene
Concen: 14.46 ng
RT: 11.39 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion:178 Resp: 299734

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.6
179	15.7	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
STA-TA-1271(0-4)

Manual Integrations APPROVED
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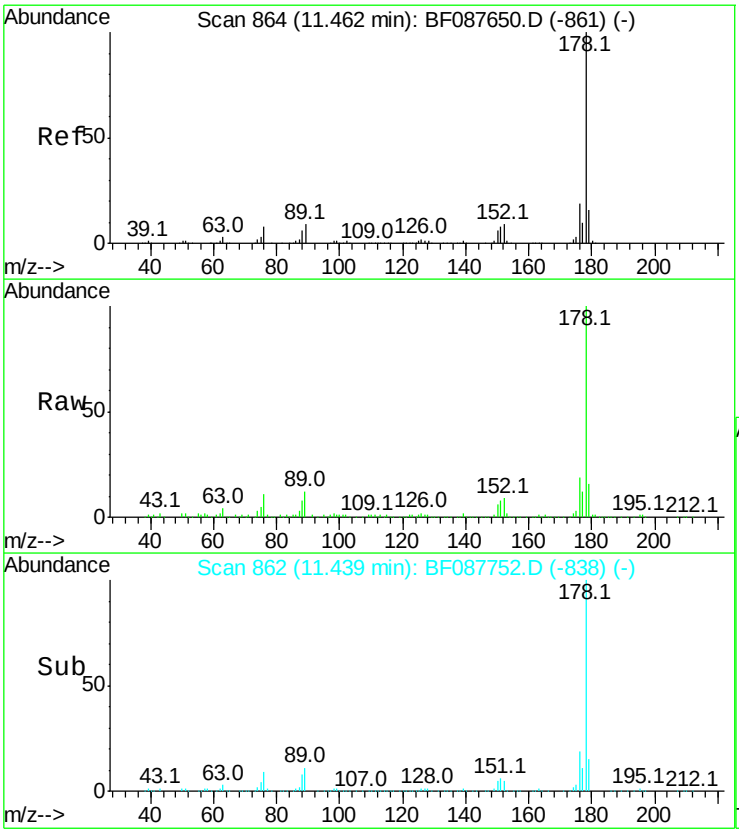
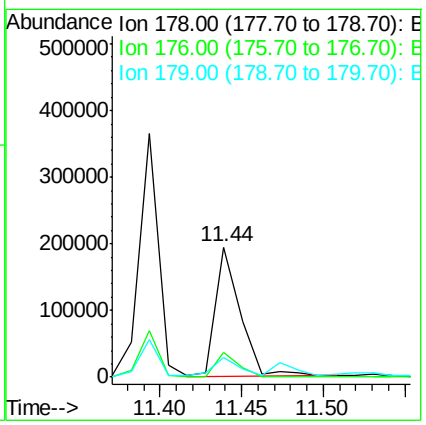
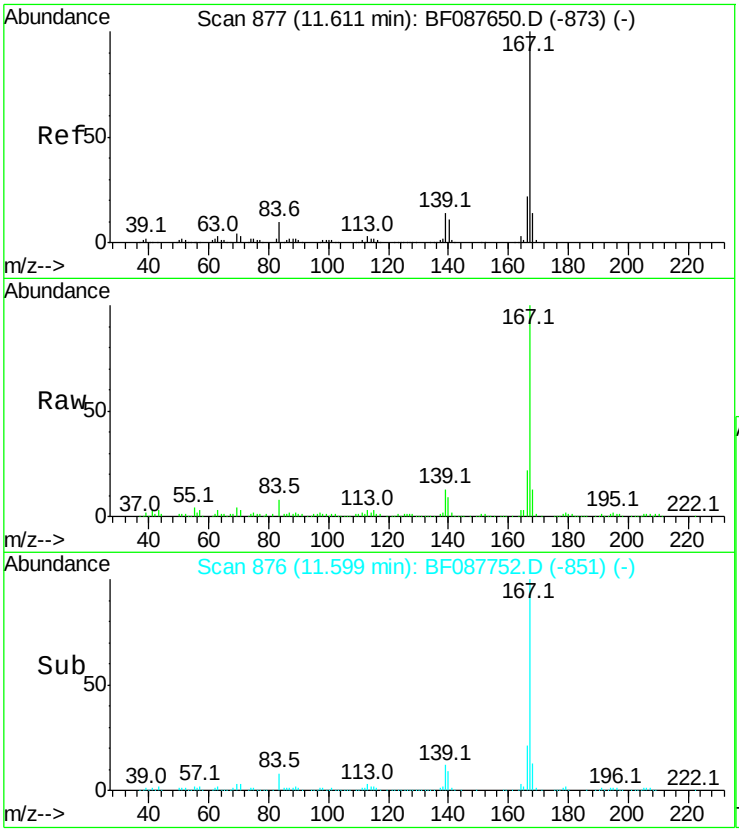


#71
Anthracene
Concen: 9.79 ng
RT: 11.44 min Scan# 862
Delta R.T. -0.02 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion:178 Resp: 203321

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.6	23.4
179	15.5	12.8	19.2

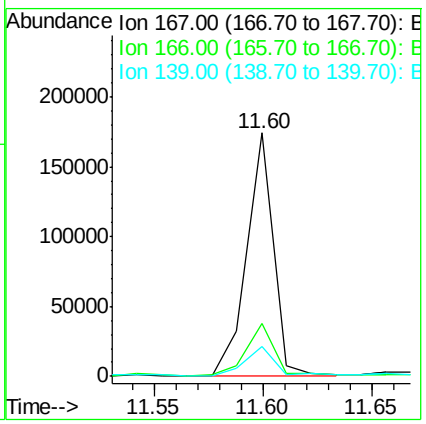




#72
Carbazole
Concen: 7.52 ng
RT: 11.60 min Scan# 876
Delta R.T. -0.01 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion:167 Resp: 147845

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.8	26.6
139	12.5	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
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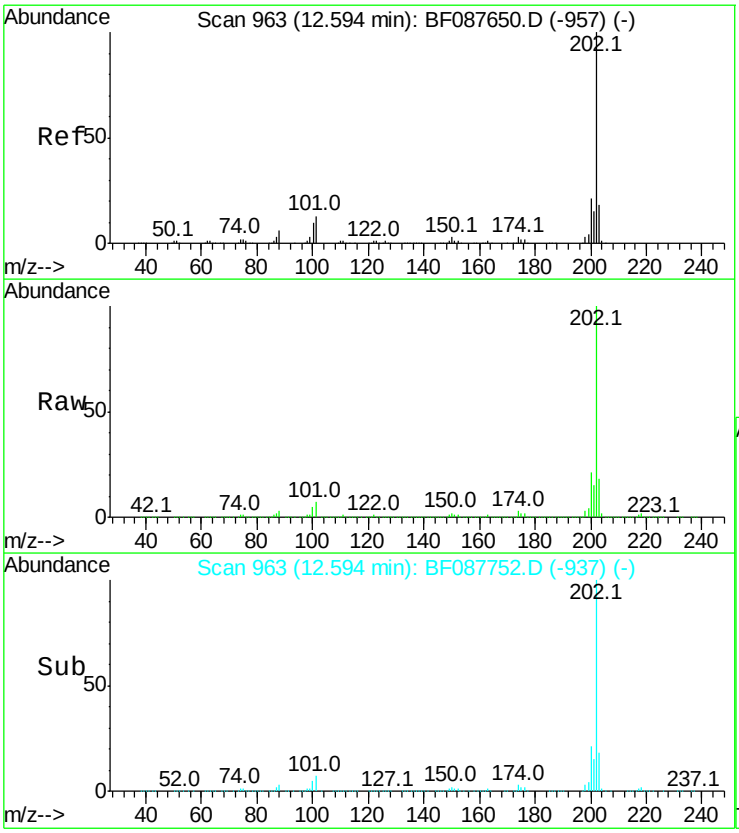
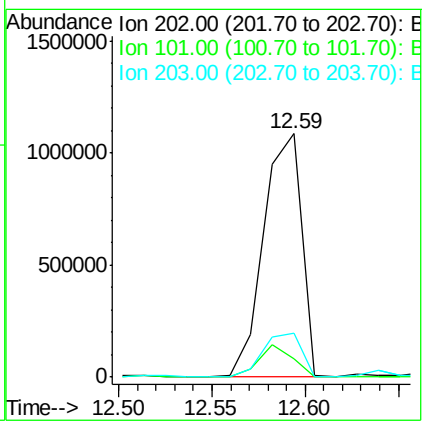
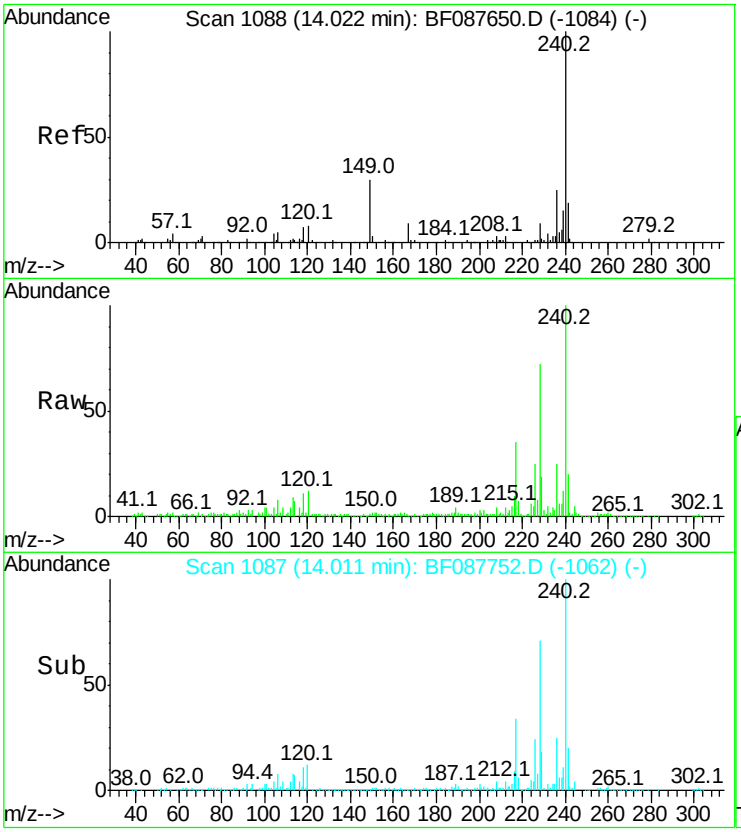


#74
Fluoranthene
Concen: 75.09 ng
RT: 12.59 min Scan# 963
Delta R.T. -0.00 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion:202 Resp: 1531172

Ion	Ratio	Lower	Upper
202	100		
101	7.3	0.0	33.1
203	18.0	0.0	38.1

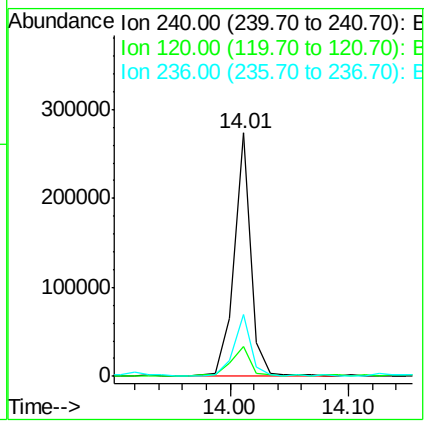




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 1087
Delta R.T. -0.01 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion:240 Resp: 263691

Ion	Ratio	Lower	Upper
240	100		
120	12.2	6.8	10.2#
236	25.4	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
STA-TA-1271(0-4)

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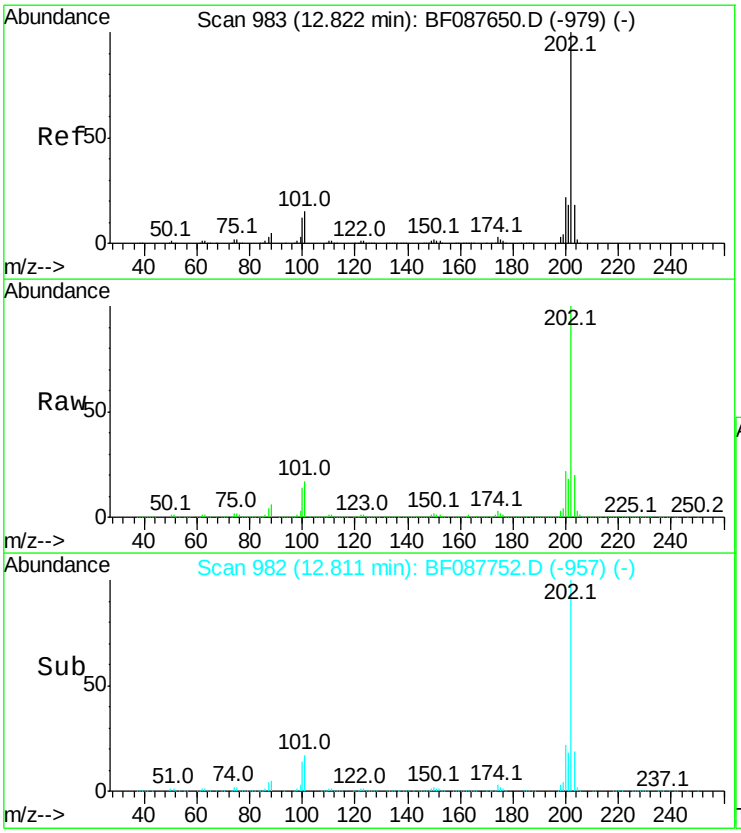
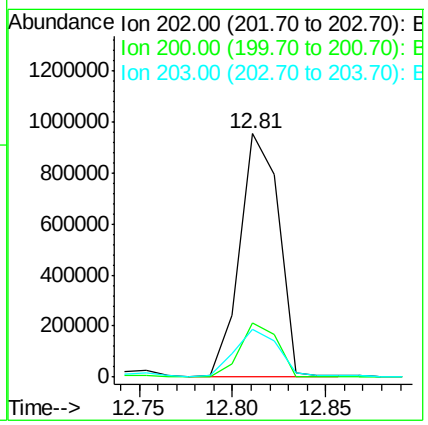
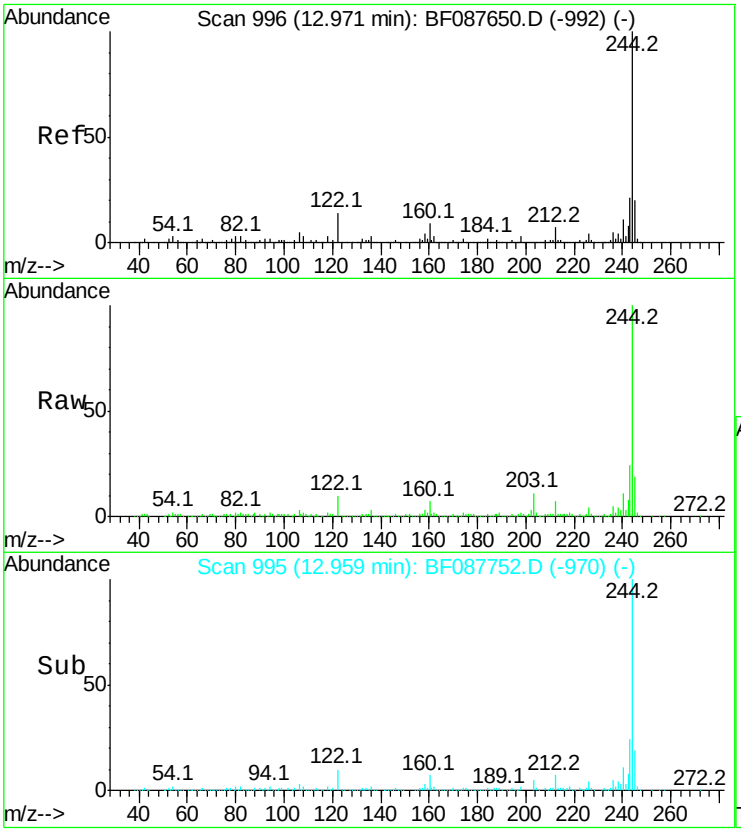


#77
Pyrene
Concen: 73.40 ng
RT: 12.81 min Scan# 982
Delta R.T. -0.01 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion:202 Resp: 1378304

Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.4	26.2
203	19.8	14.5	21.7

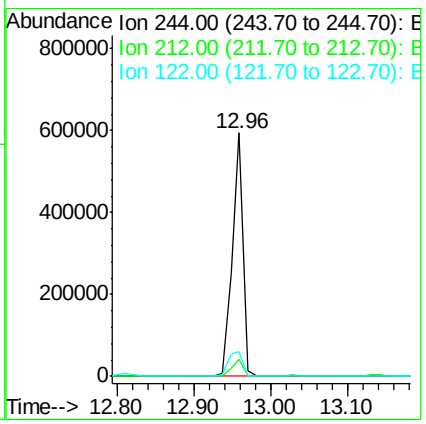




#78
Terphenyl-d14
Concen: 55.38 ng
RT: 12.96 min Scan# 995
Delta R.T. -0.01 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion:244 Resp: 598485

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	10.2	11.2	16.8#



Instrument :
BNA_F
ClientSampleId :
STA-TA-1271(0-4)

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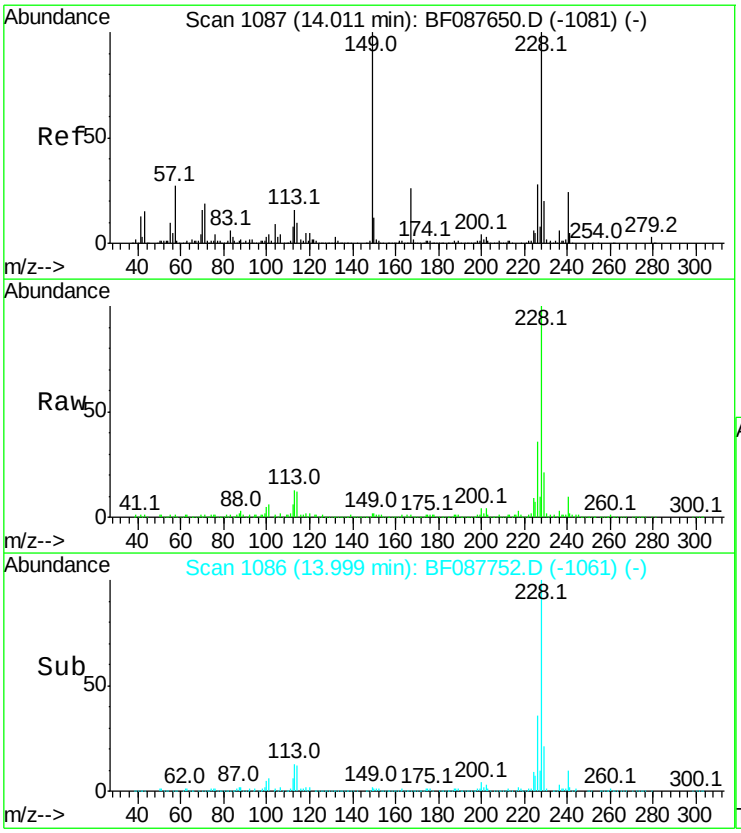
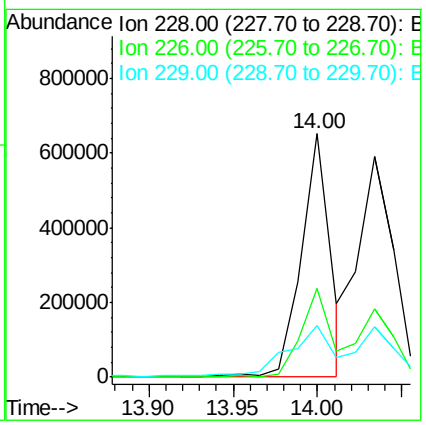
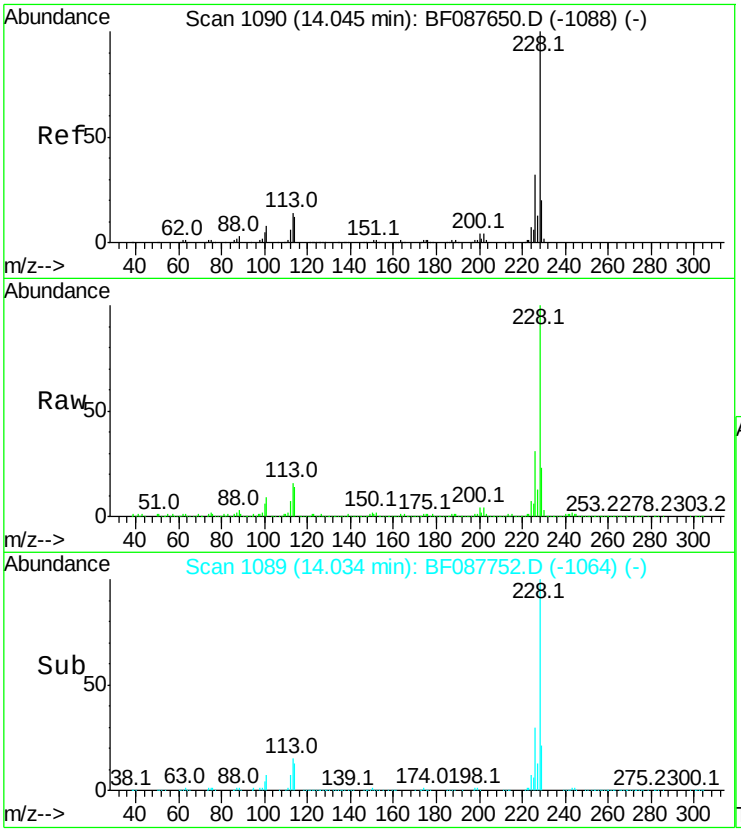


#80
Benzo(a)anthracene
Concen: 51.66 ng m
RT: 14.00 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion:228 Resp: 786201

Ion	Ratio	Lower	Upper
228	100		
226	36.5	22.3	33.5#
229	21.3	16.0	24.0

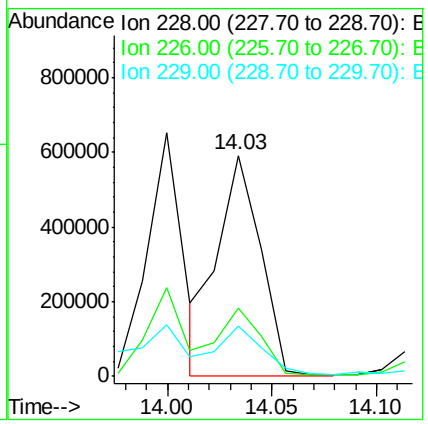




#82
Chrysene
Concen: 56.30 ng m
RT: 14.03 min Scan# 1089
Delta R.T. -0.01 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion:228 Resp: 852794

Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.4	38.2
229	22.7	16.3	24.5



Instrument :
BNA_F
ClientSampleId :
STA-TA-1271(0-4)

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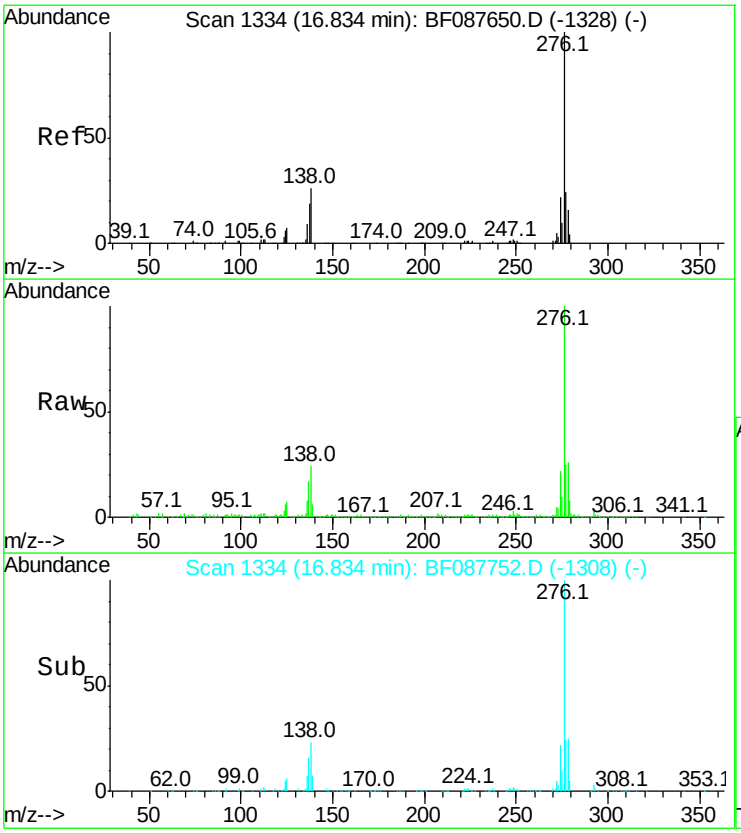
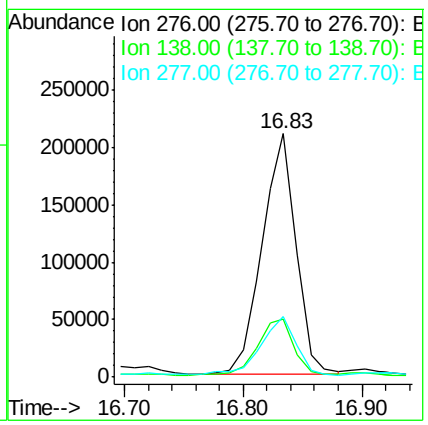
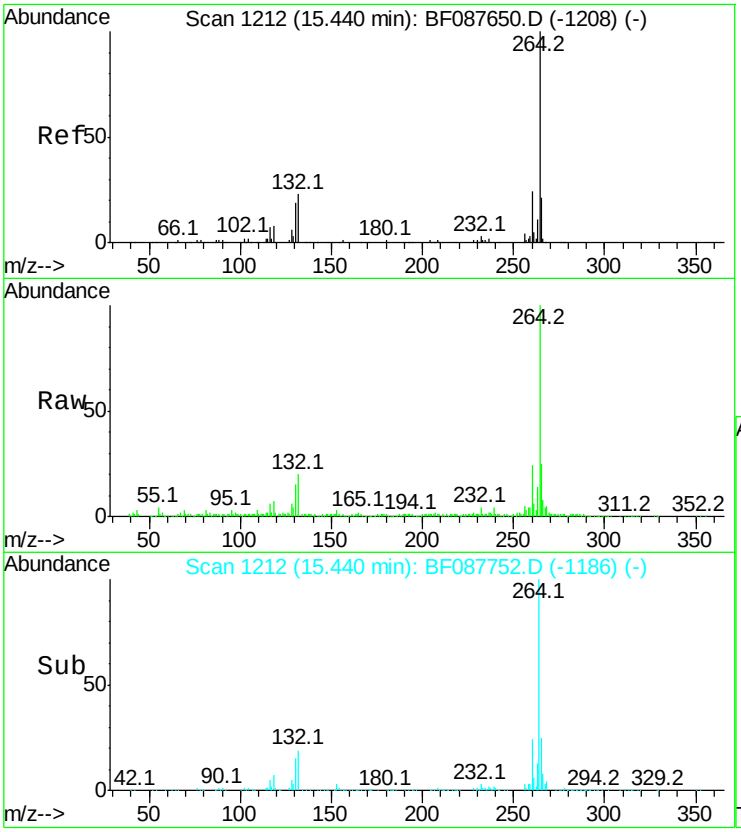


#85
Indeno(1,2,3-cd)pyrene
Concen: 33.32 ng
RT: 16.83 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion:276 Resp: 417235

Ion	Ratio	Lower	Upper
276	100		
138	24.4	0.0	0.0#
277	24.6	0.0	0.0#

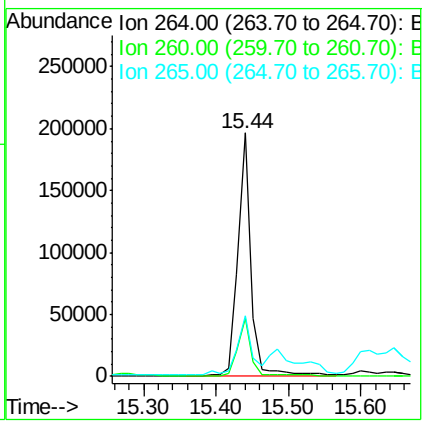




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1212
Delta R.T. -0.00 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion:264 Resp: 244694

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	25.0	16.9	25.3



Instrument :
BNA_F
ClientSampleId :
STA-TA-1271(0-4)

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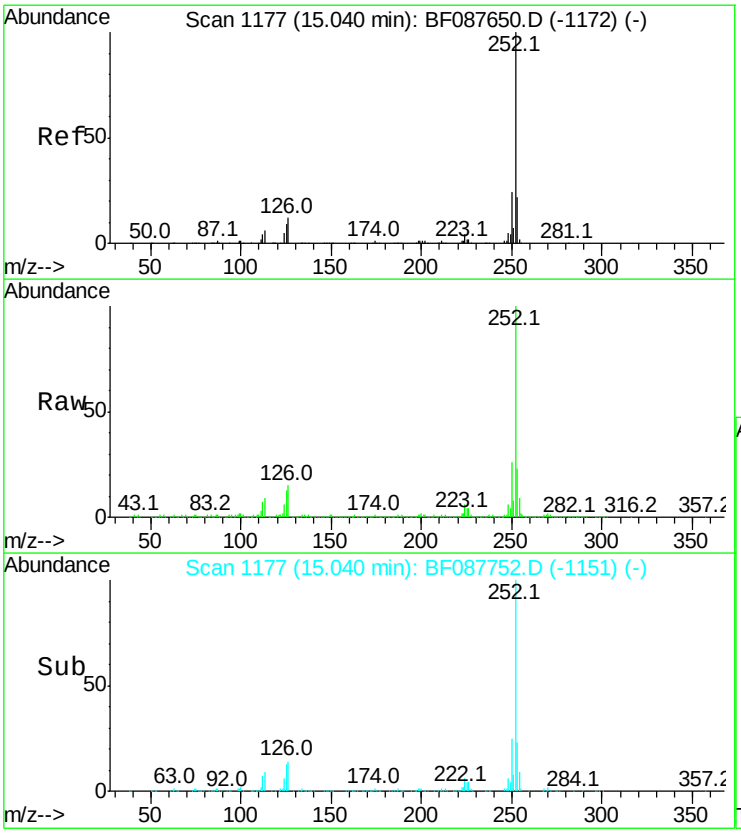
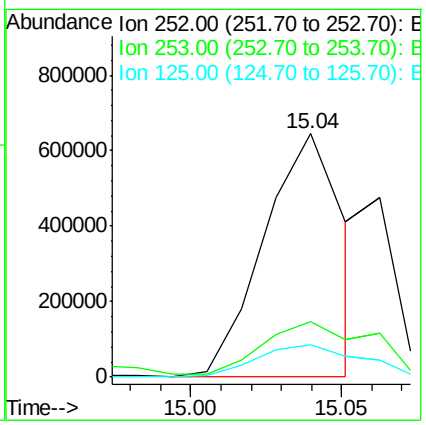
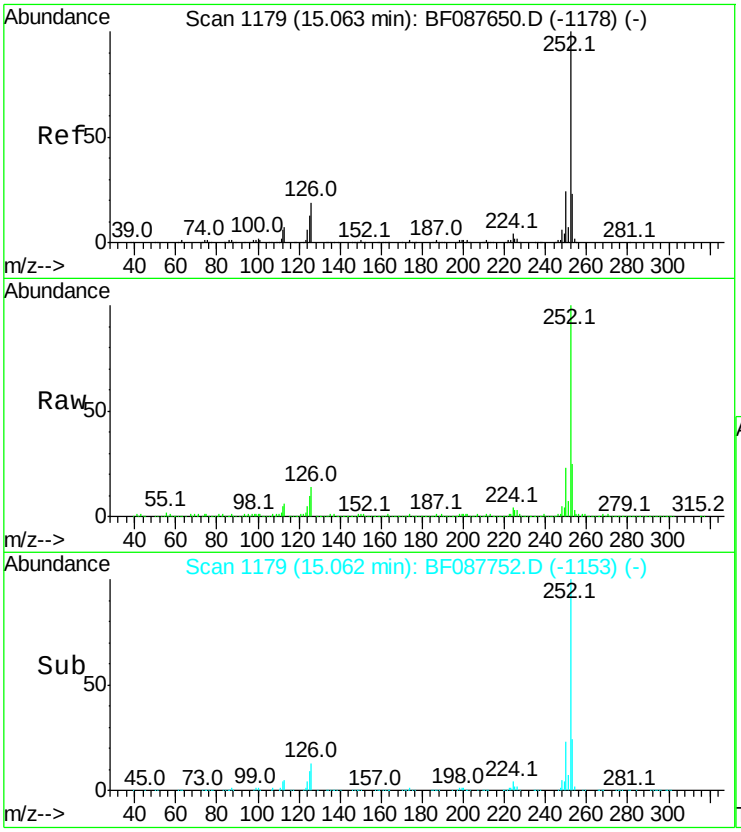


#87
Benzo(b)fluoranthene
Concen: 74.69 ng m
RT: 15.04 min Scan# 1177
Delta R.T. -0.00 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion:252 Resp: 1188898

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	13.3	7.1	10.7#

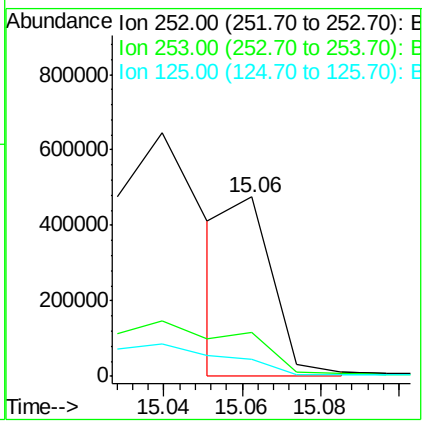




#88
Benzo(k)fluoranthene
Concen: 26.82 ng m
RT: 15.06 min Scan# 1179
Delta R.T. 0.00 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion:252 Resp: 355191

Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.0	27.0
125	9.8	11.2	16.8#



Instrument :
BNA_F
ClientSampleId :
STA-TA-1271(0-4)

Manual Integrations APPROVED
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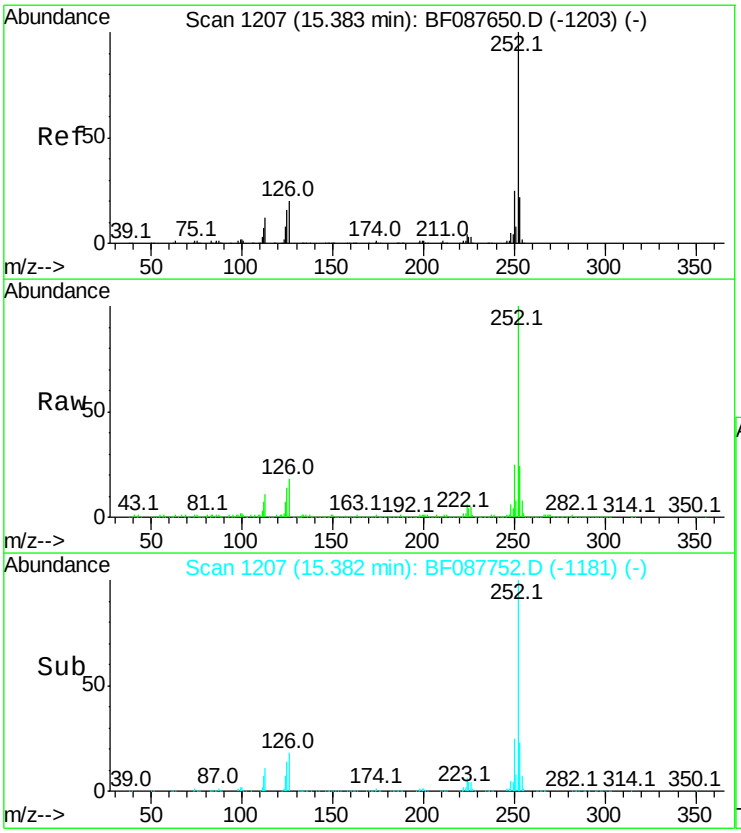
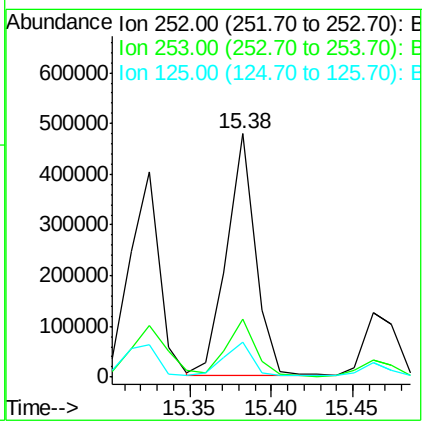
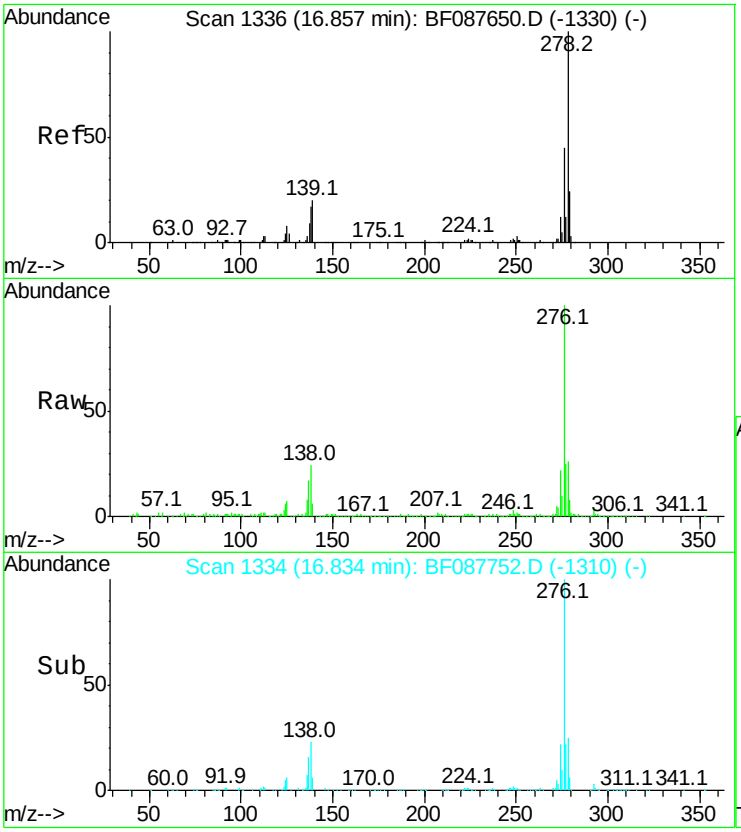


#89
Benzo(a)pyrene
Concen: 42.92 ng
RT: 15.38 min Scan# 1207
Delta R.T. -0.00 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion:252 Resp: 574349

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	14.3	12.5	18.7

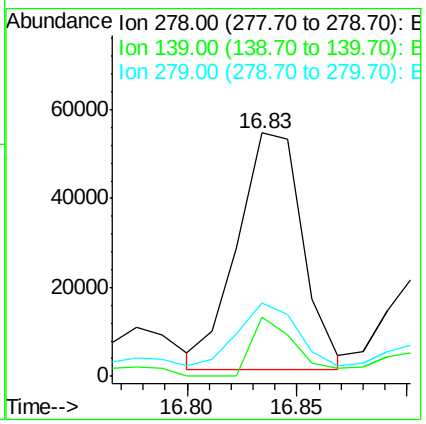




#90
Dibenzo(a,h)anthracene
Concen: 9.61 ng m
RT: 16.83 min Scan# 1334
Delta R.T. -0.02 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion:278 Resp: 109388

Ion	Ratio	Lower	Upper
278	100		
139	24.6	15.7	23.5#
279	29.9	19.4	29.2#



Instrument :
BNA_F
ClientSampleId :
STA-TA-1271(0-4)

Manual Integrations APPROVED
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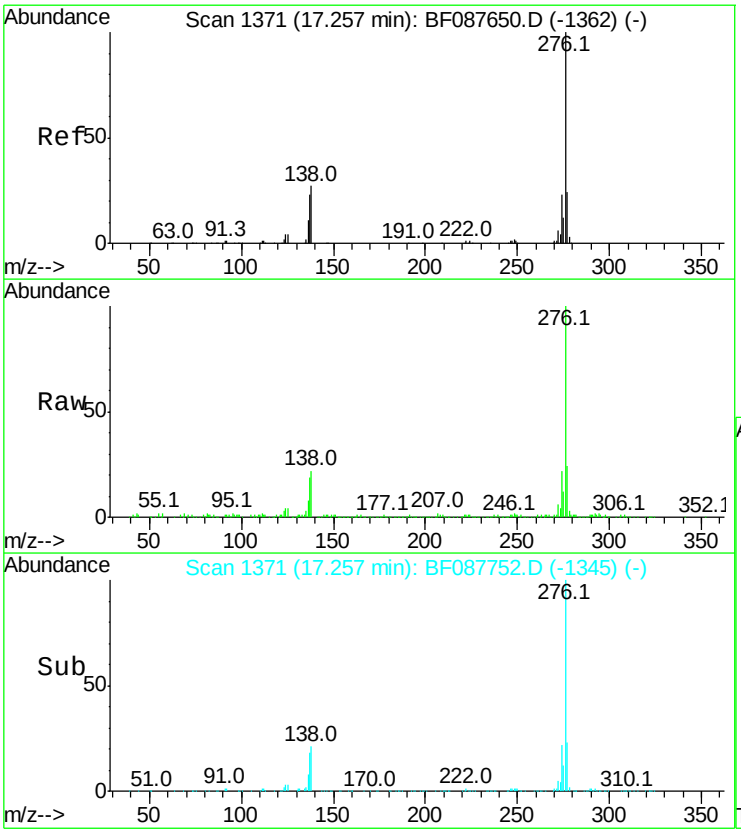

#91
Benzo(g,h,i)perylene
Concen: 30.86 ng
RT: 17.26 min Scan# 1371
Delta R.T. -0.00 min
Lab File: BF087752.D
Acq: 6 Jun 2016 15:13

Tgt Ion:276 Resp: 354594

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.9	28.3
138	22.0	21.4	32.2