Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070616\
Data File : BF088758.D
Acq On : 7 Jul 2016 2:51
Operator : UM/SJ
Sample : H3880-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C2.2-04

Manual Integrations
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7/7/2016 6:10:44 PM

Quant Time: Jul 07 06:53:16 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 07 01:24:07 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	89921	20.00	ng		0.00
21) Naphthalene-d8	8.03	136	402130	20.00	ng		0.00
38) Acenaphthene-d10	9.78	164	184177	20.00	ng		0.00
63) Phenanthrene-d10	11.26	188	319212	20.00	ng		0.00
75) Chrysene-d12	13.89	240	200280	20.00	ng		0.00
86) Perylene-d12	15.26	264	185853	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.34	112	569809	94.97	ng		0.00
7) Phenol-d6	6.39	99	735429	94.86	ng		0.00
23) Nitrobenzene-d5	7.31	82	487491	63.53	ng		-0.01
41) 2,4,6-Tribromophenol	10.57	330	180270	105.40	ng		0.00
44) 2-Fluorobiphenyl	9.11	172	800906	68.69	ng		-0.01
78) Terphenyl-d14	12.84	244	695283	77.32	ng		0.00
Target Compounds							Qvalue
49) Dimethylphthalate	9.51	163	92390	7.04	ng		98
70) Phenanthrene	11.28	178	62951	3.61	ng		99
74) Fluoranthene	12.46	202	99878	5.65	ng		97
77) Pyrene	12.68	202	91265	5.37	ng		99
80) Benzo(a)anthracene	13.87	228	56284	4.36	ng		91
82) Chrysene	13.91	228	56459	4.42	ng		96
83) Bis(2-ethylhexyl)phthalate	13.89	149	67022	7.75	ng	#	100
85) Indeno(1,2,3-cd)pyrene	16.56	276	34459	3.51	ng	#	100
87) Benzo(b)fluoranthene	14.88	252	90786m	7.79	ng		
88) Benzo(k)fluoranthene	14.89	252	21717m	2.14	ng		
89) Benzo(a)pyrene	15.20	252	39715	4.02	ng		98
91) Benzo(g,h,i)perylene	16.96	276	33147	3.89	ng		94

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070616\
Data File : BF088758.D
Acq On : 7 Jul 2016 2:51
Operator : UM/SJ
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jul 07 06:53:16 2016
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Instrument :
BNA_F
ClientSampleId :
C2.2-04

Manual Integrations
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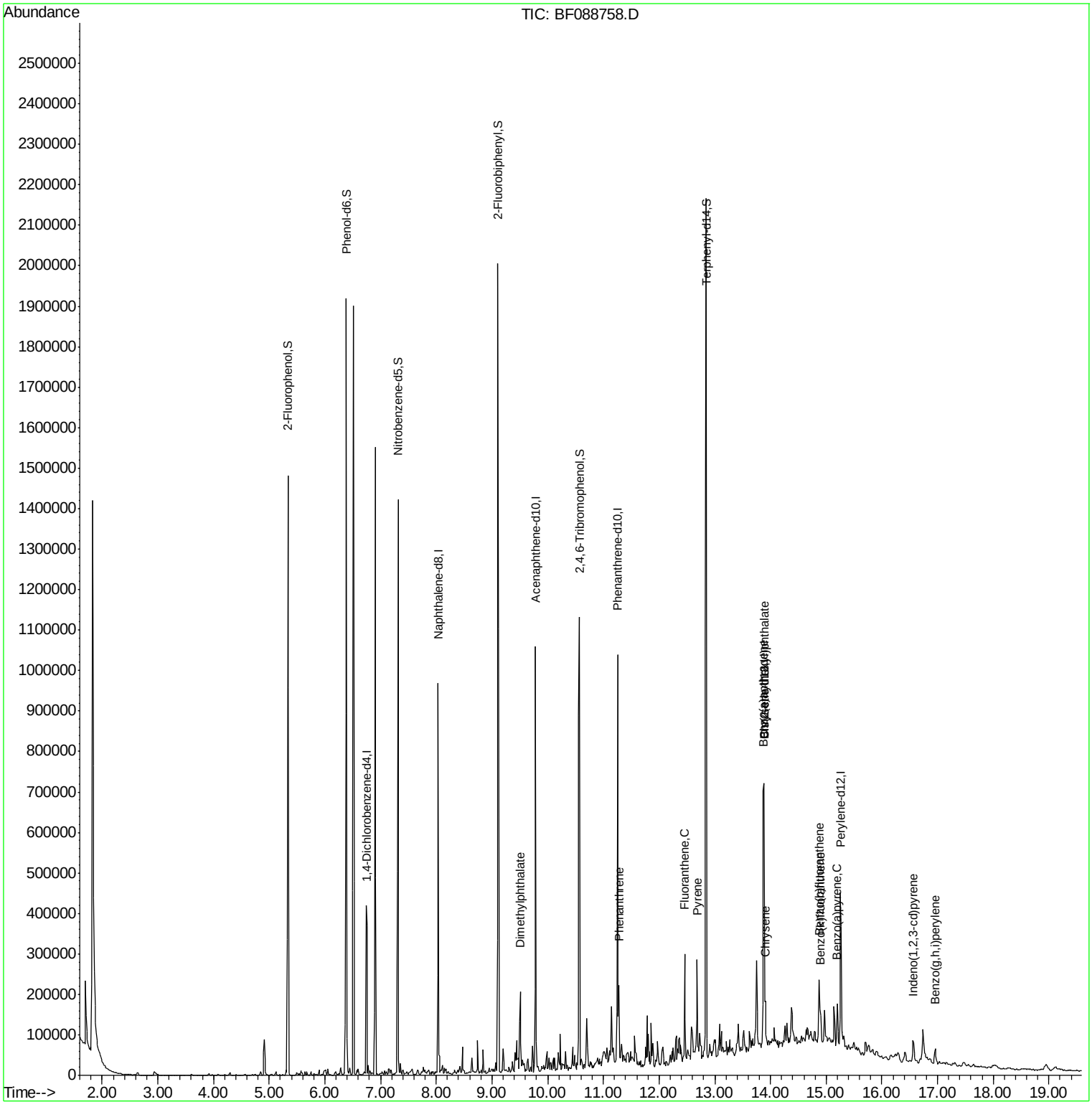
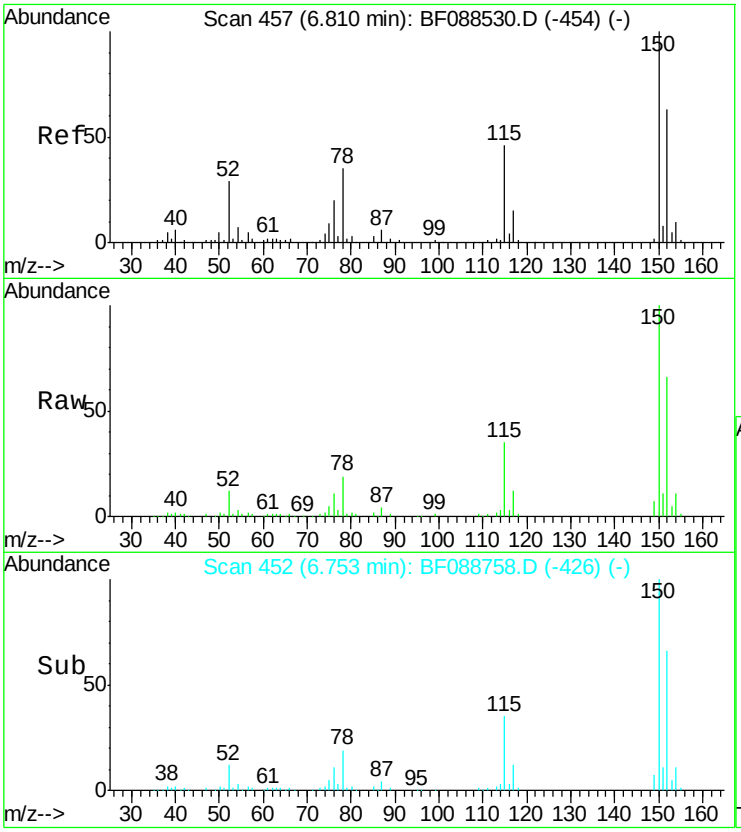
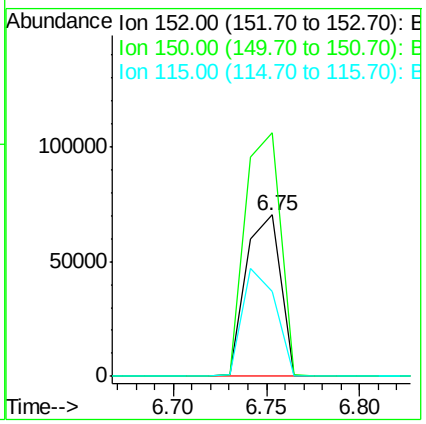




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 452
Delta R.T. -0.00 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Tgt Ion:152 Resp: 89921

Ion	Ratio	Lower	Upper
152	100		
150	151.0	123.8	185.6
115	52.6	39.6	59.4



Instrument :
BNA_F
ClientSampleId :
C2.2-04

Manual Integrations
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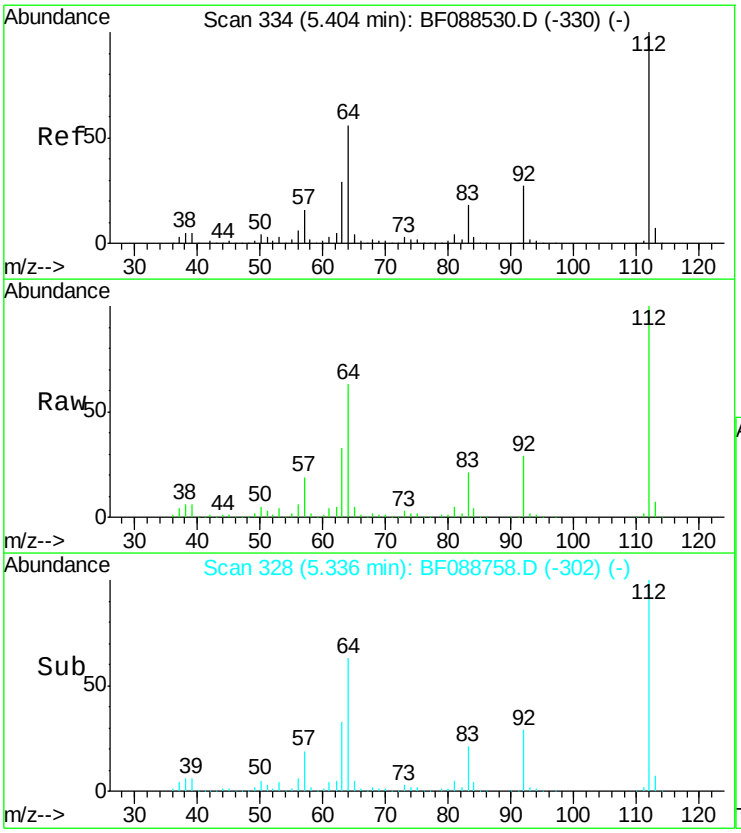
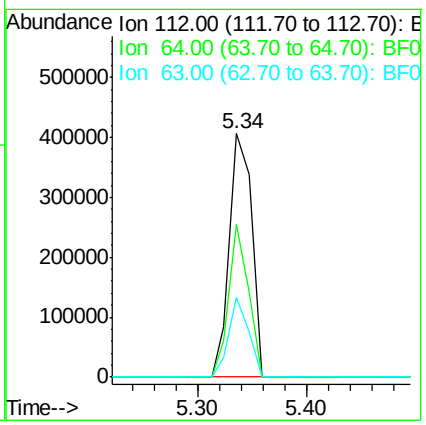
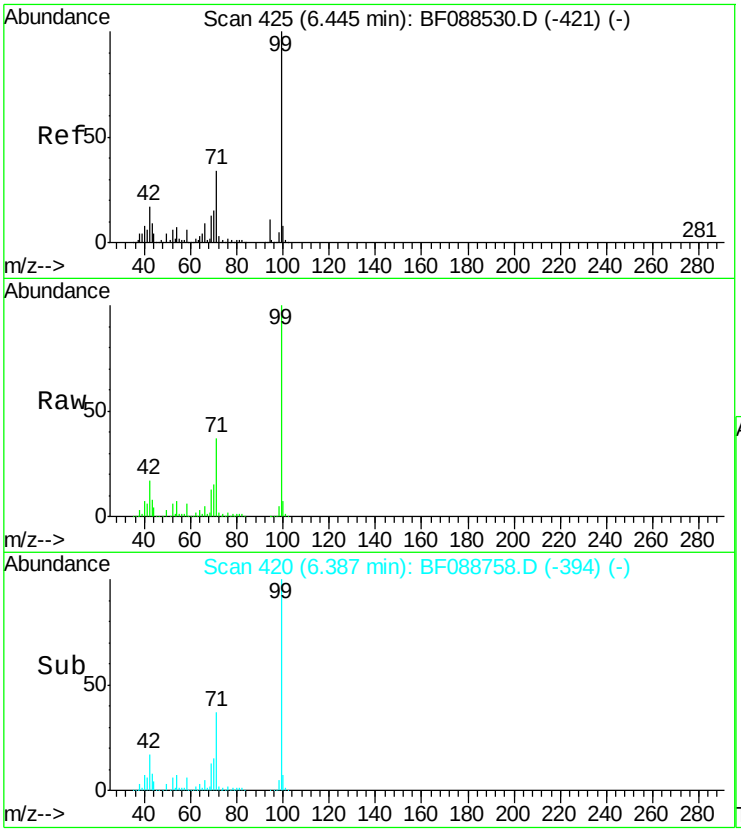


#5
2-Fluorophenol
Concen: 94.97 ng
RT: 5.34 min Scan# 328
Delta R.T. -0.00 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Tgt Ion:112 Resp: 569809

Ion	Ratio	Lower	Upper
112	100		
64	62.9	42.2	63.2
63	33.0	21.8	32.8#

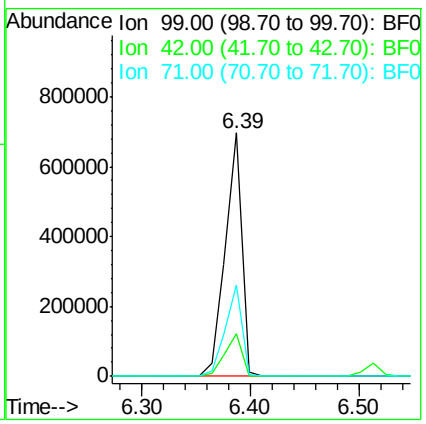




#7
Phenol-d6
Concen: 94.86 ng
RT: 6.39 min Scan# 420
Delta R.T. -0.00 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Tgt Ion: 99 Resp: 735429

Ion	Ratio	Lower	Upper
99	100		
42	17.4	12.2	18.2
71	37.4	23.4	35.0#



Instrument :
BNA_F
ClientSampleId :
C2.2-04

Manual Integrations
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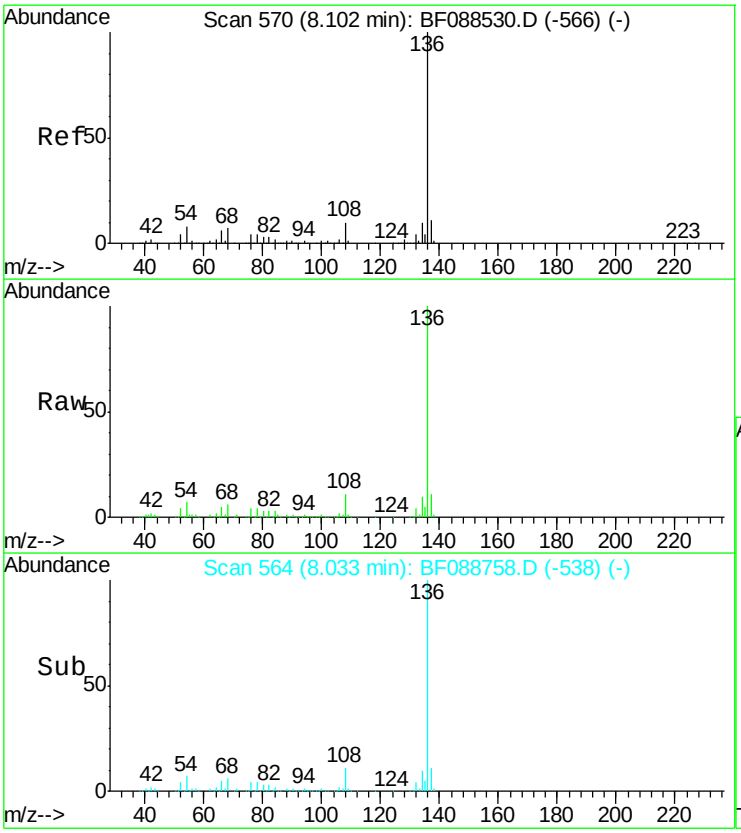
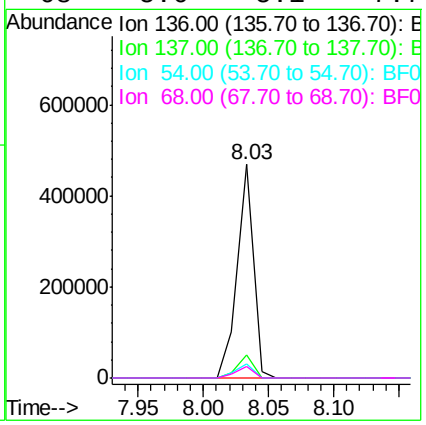
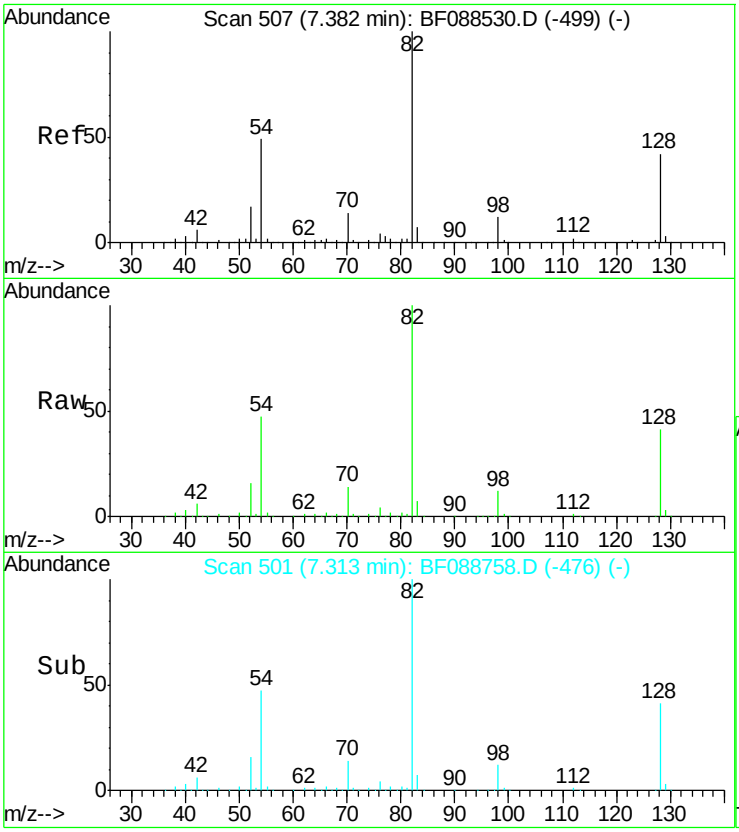


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Tgt Ion:136 Resp: 402130

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	6.9	6.6	10.0
68	5.6	5.1	7.7

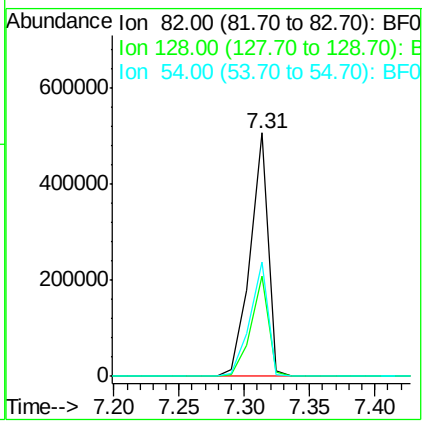




#23
Nitrobenzene-d5
Concen: 63.53 ng
RT: 7.31 min Scan# 501
Delta R.T. -0.01 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Tgt Ion: 82 Resp: 487491

Ion	Ratio	Lower	Upper
82	100		
128	41.2	35.9	53.9
54	47.0	40.9	61.3



Instrument :
BNA_F
ClientSampleId :
C2.2-04

Manual Integrations
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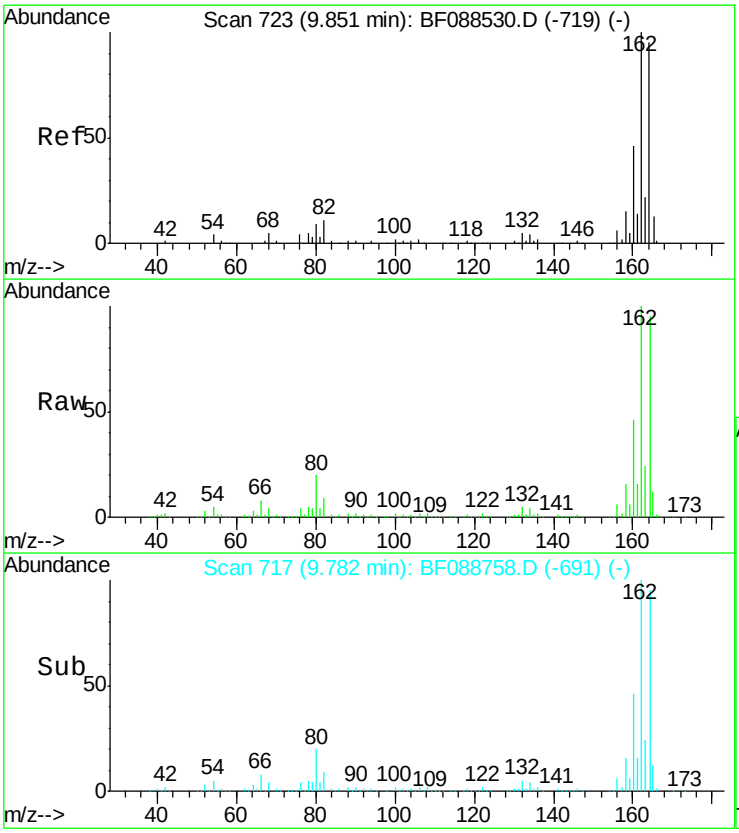
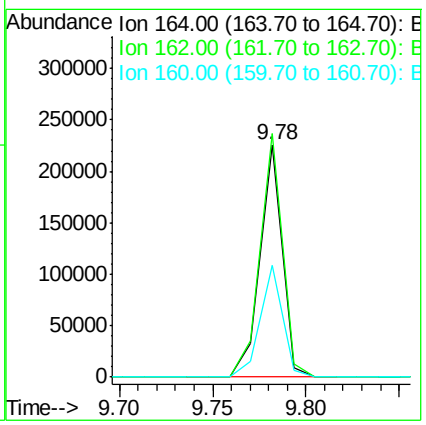
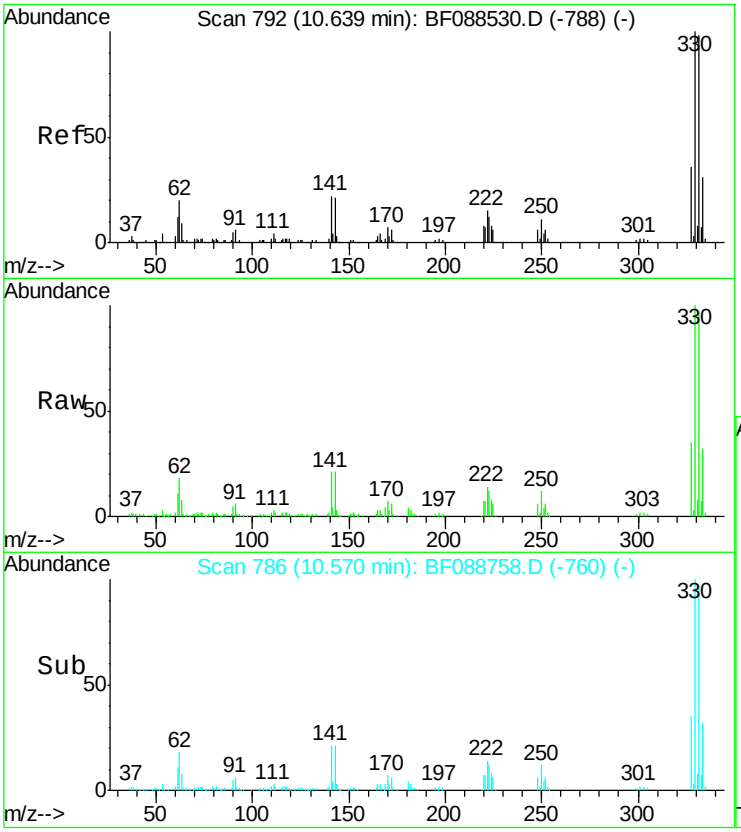


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 717
Delta R.T. -0.00 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Tgt Ion:164 Resp: 184177

Ion	Ratio	Lower	Upper
164	100		
162	104.8	85.4	128.2
160	48.1	39.5	59.3

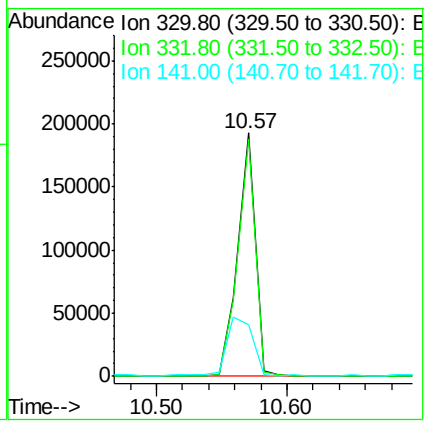




#41
2,4,6-Tribromophenol
Concen: 105.40 ng
RT: 10.57 min Scan# 786
Delta R.T. -0.00 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Tgt Ion:330 Resp: 180270

Ion	Ratio	Lower	Upper
330	100		
332	97.3	0.0	0.0#
141	37.5	0.0	0.0#



Instrument :
BNA_F
ClientSampleId :
C2.2-04

Manual Integrations
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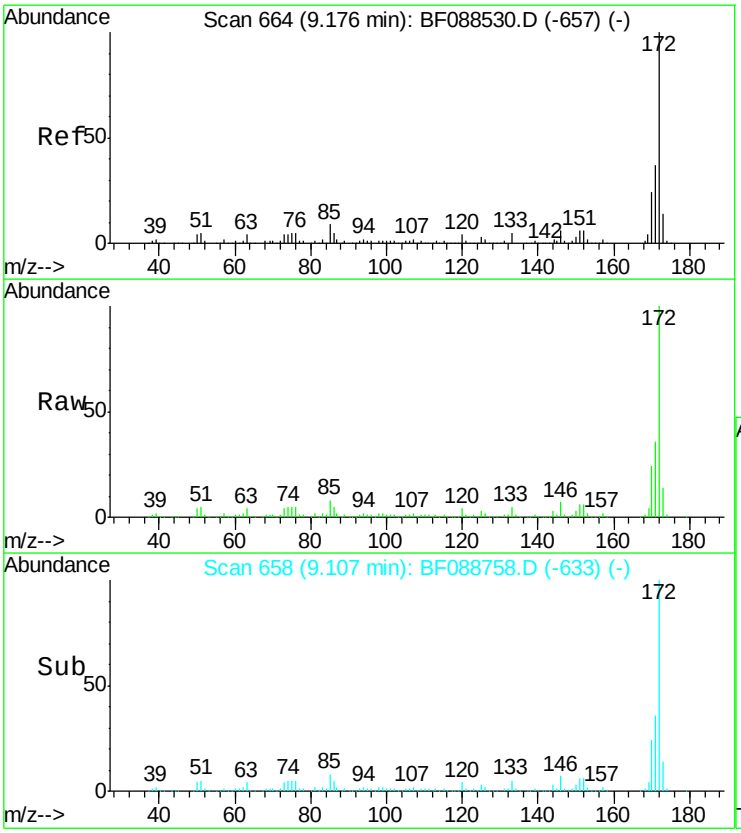
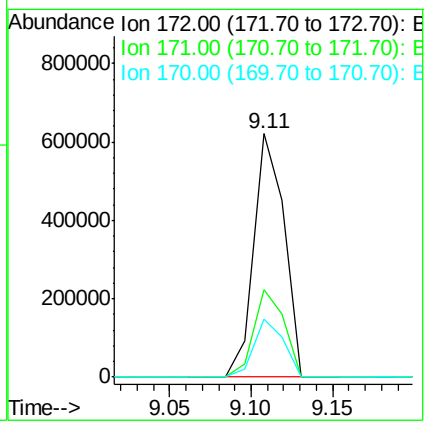
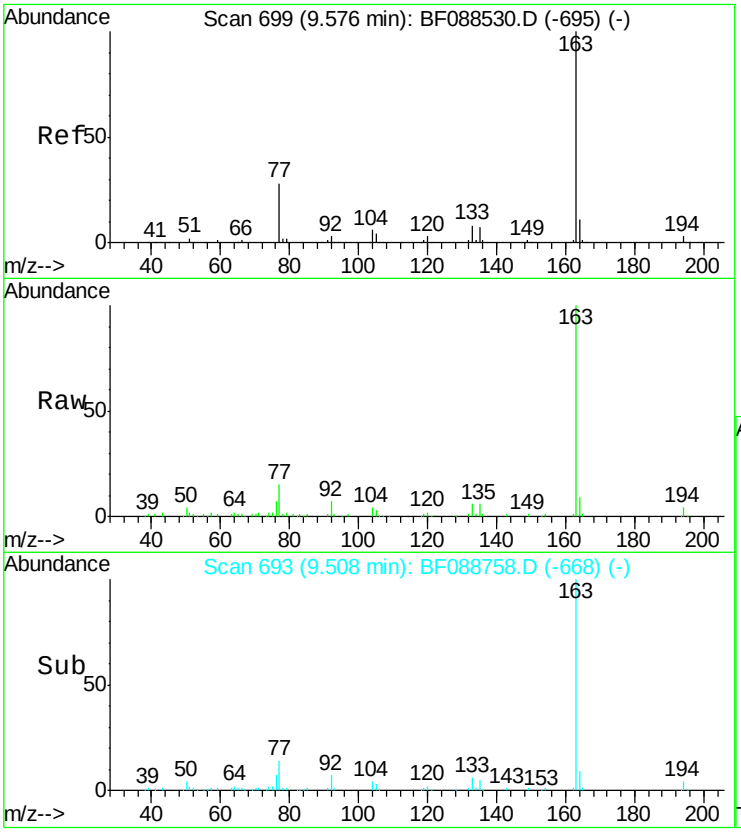


#44
2-Fluorobiphenyl
Concen: 68.69 ng
RT: 9.11 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Tgt Ion:172 Resp: 800906

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	23.8	19.2	28.8

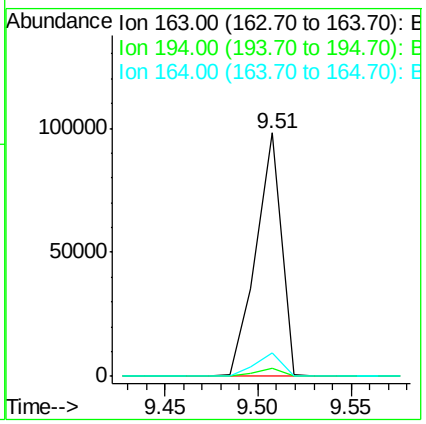




#49
Dimethylphthalate
Concen: 7.04 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.01 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Tgt Ion:163 Resp: 92390

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.8	4.2
164	9.4	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
C2.2-04

Manual Integrations
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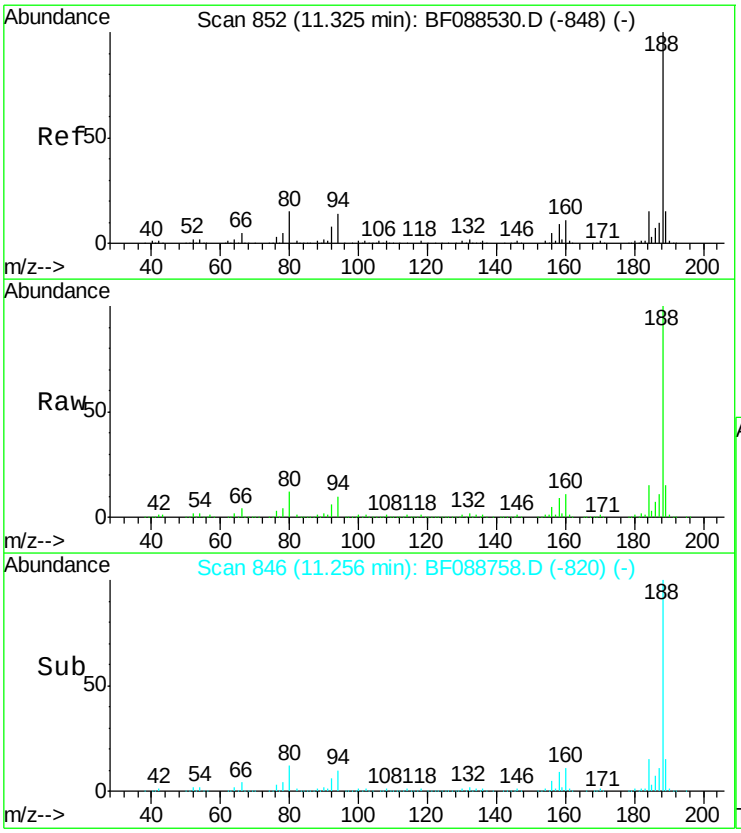
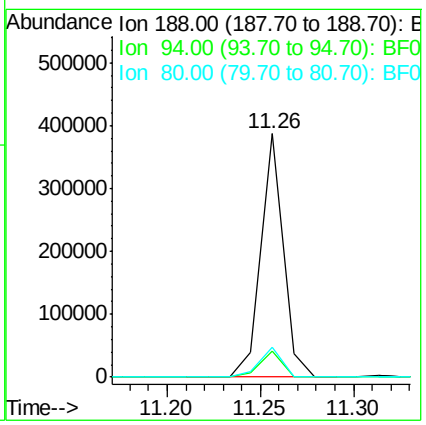
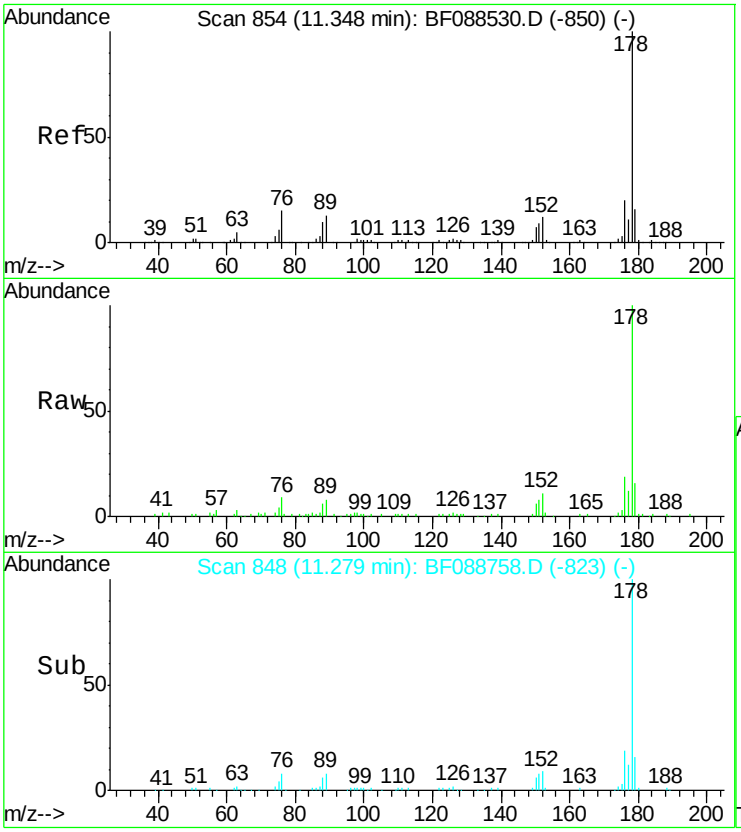


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 846
Delta R.T. -0.00 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Tgt Ion:188 Resp: 319212

Ion	Ratio	Lower	Upper
188	100		
94	10.5	9.0	13.6
80	12.1	10.0	15.0

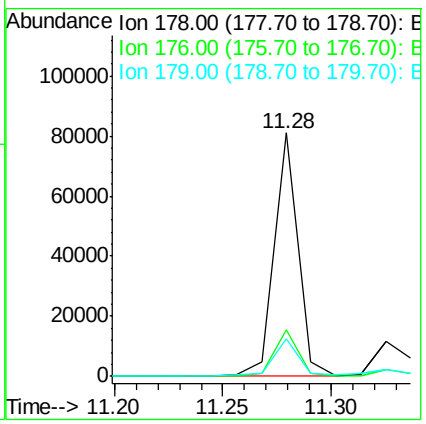




#70
Phenanthrene
Concen: 3.61 ng
RT: 11.28 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Tgt Ion:178 Resp: 62951

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.6
179	15.6	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
C2.2-04

Manual Integrations
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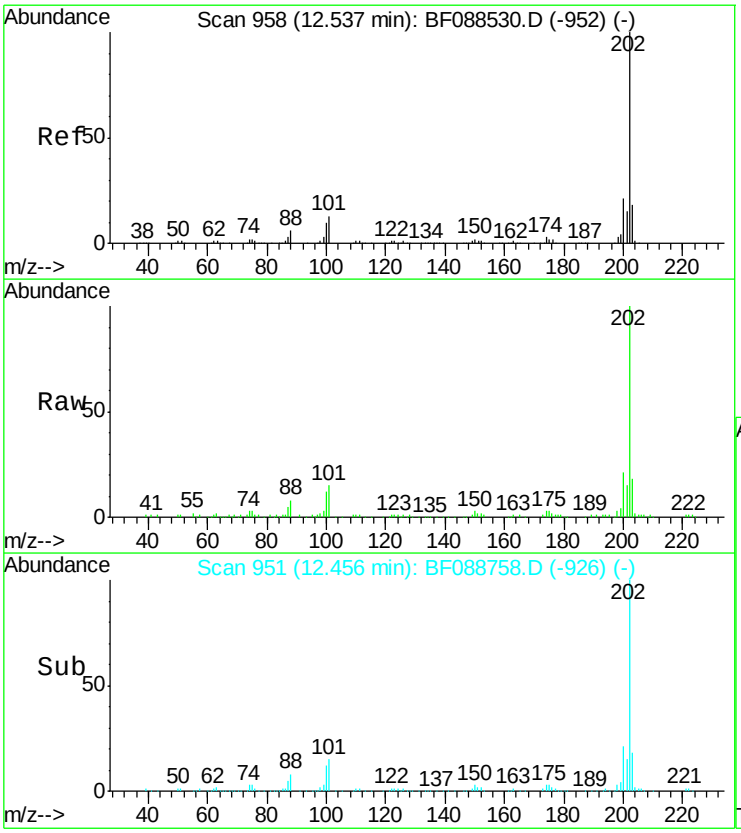
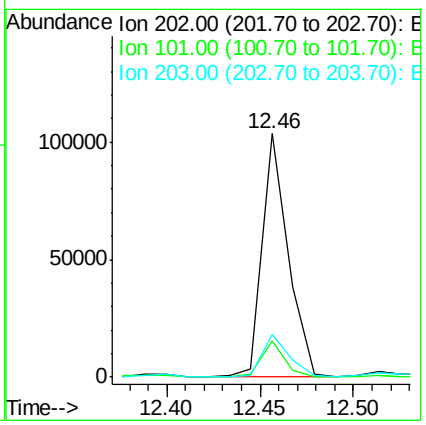
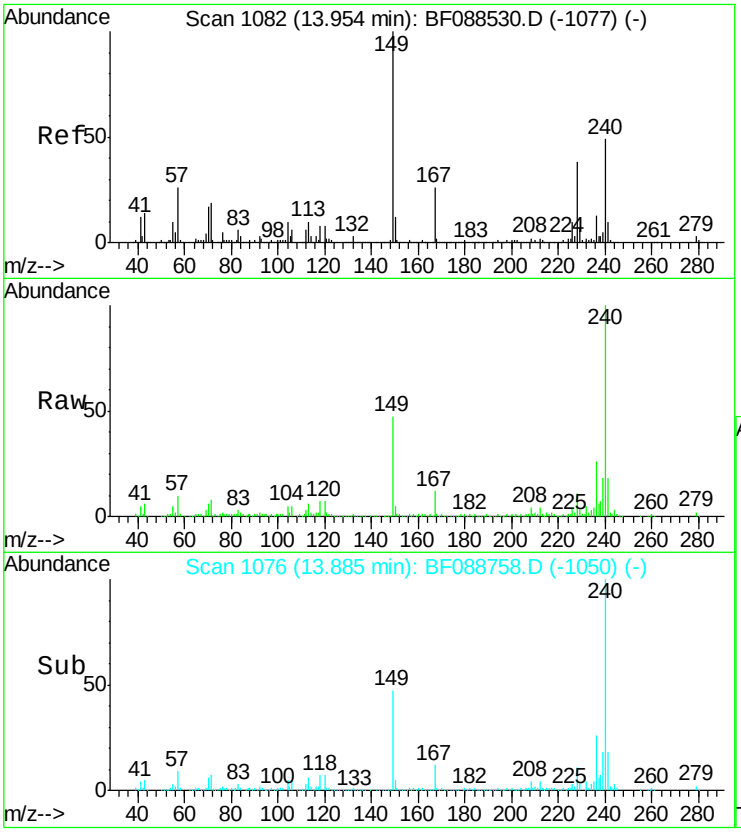


#74
Fluoranthene
Concen: 5.65 ng
RT: 12.46 min Scan# 951
Delta R.T. -0.01 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Tgt Ion:202 Resp: 99878

Ion	Ratio	Lower	Upper
202	100		
101	15.1	0.0	33.1
203	17.7	0.0	38.1

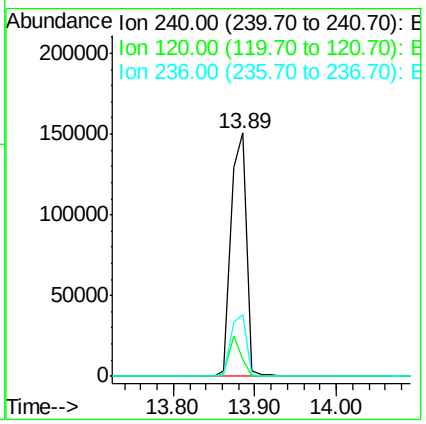




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.89 min Scan# 1076
Delta R.T. -0.00 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Tgt Ion:240 Resp: 200280

Ion	Ratio	Lower	Upper
240	100		
120	7.2	6.8	10.2
236	25.5	20.2	30.2



Instrument :
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ClientSampleId :
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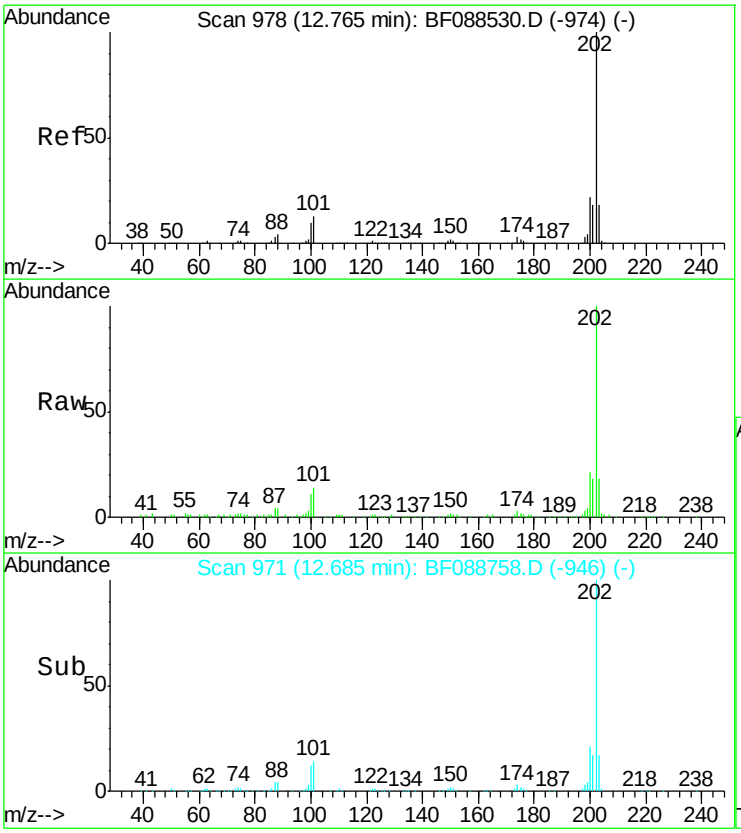
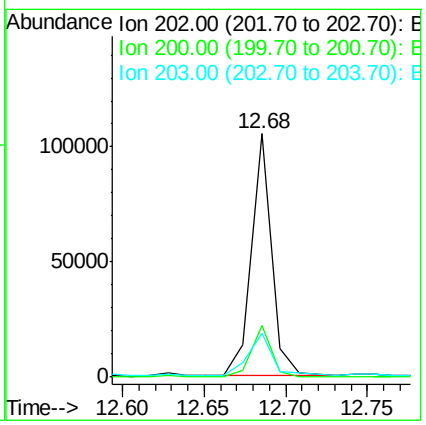
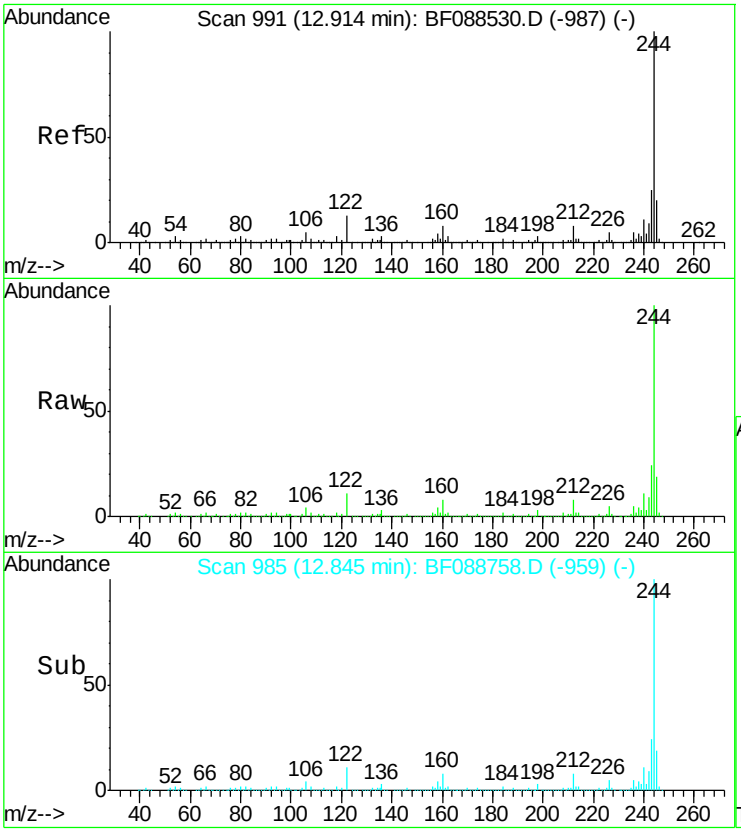


#77
Pyrene
Concen: 5.37 ng
RT: 12.68 min Scan# 971
Delta R.T. -0.01 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Tgt Ion:202 Resp: 91265

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.8	14.5	21.7

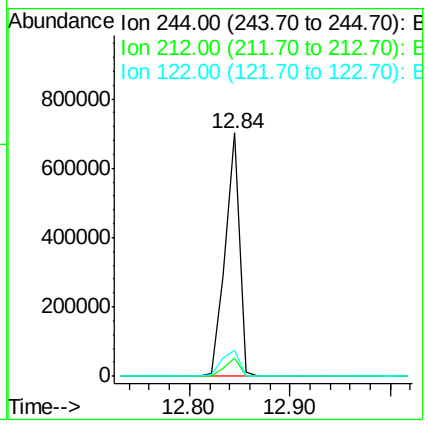




#78
Terphenyl-d14
Concen: 77.32 ng
RT: 12.84 min Scan# 985
Delta R.T. -0.00 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Tgt Ion:244 Resp: 695283

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.0	9.0
122	10.7	11.2	16.8#



Instrument :
BNA_F
ClientSampleId :
C2.2-04

Manual Integrations
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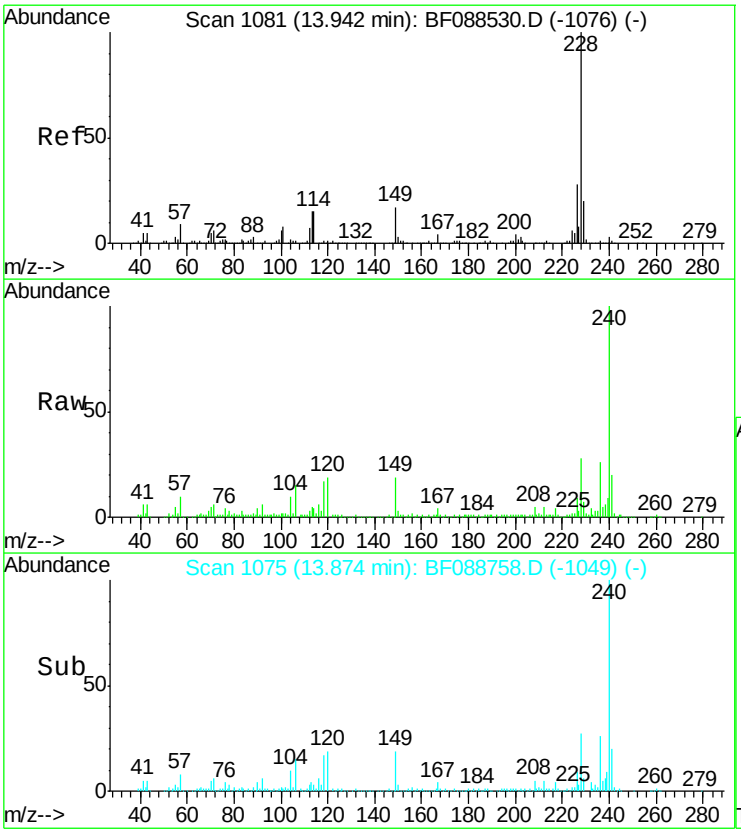
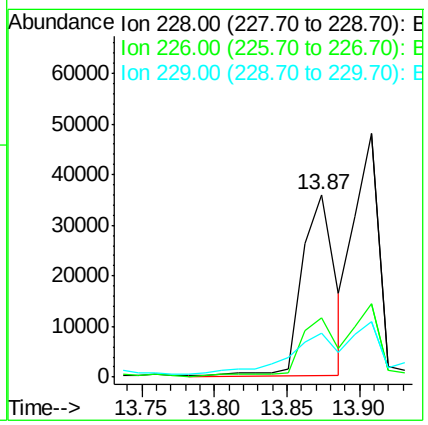
7/7/2016 6:10:44 PM

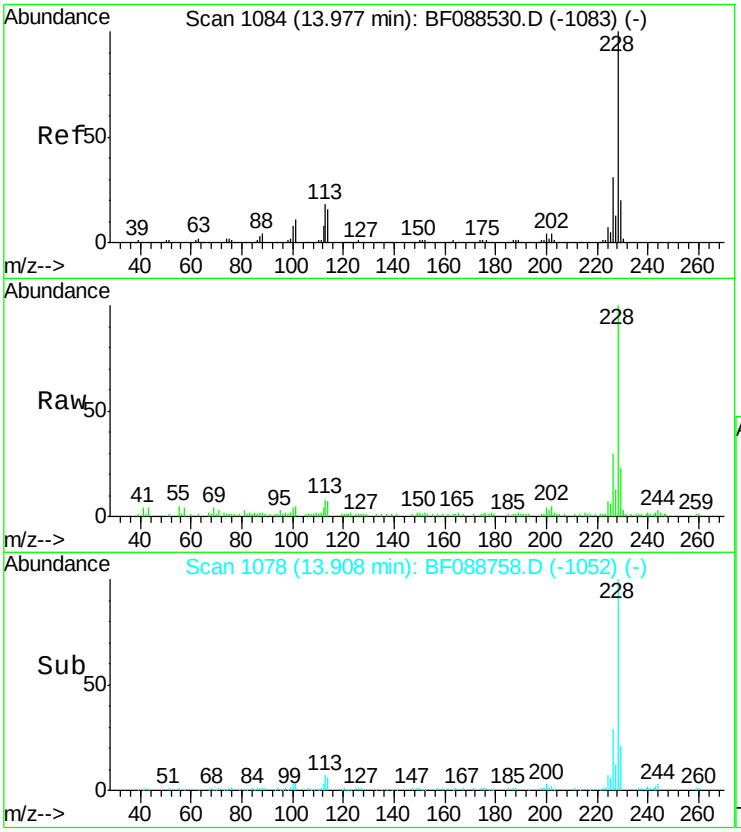


#80
Benzo(a)anthracene
Concen: 4.36 ng
RT: 13.87 min Scan# 1075
Delta R.T. -0.00 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Tgt Ion:228 Resp: 56284

Ion	Ratio	Lower	Upper
228	100		
226	32.5	22.3	33.5
229	23.9	16.0	24.0





#82
Chrysene
Concen: 4.42 ng
RT: 13.91 min Scan# 1078
Delta R.T. -0.00 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Tgt Ion:228 Resp: 56459

Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.4	38.2
229	23.0	16.3	24.5

Instrument :
BNA_F
ClientSampleId :
C2.2-04

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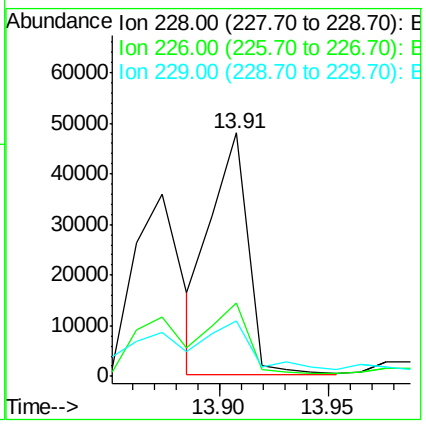
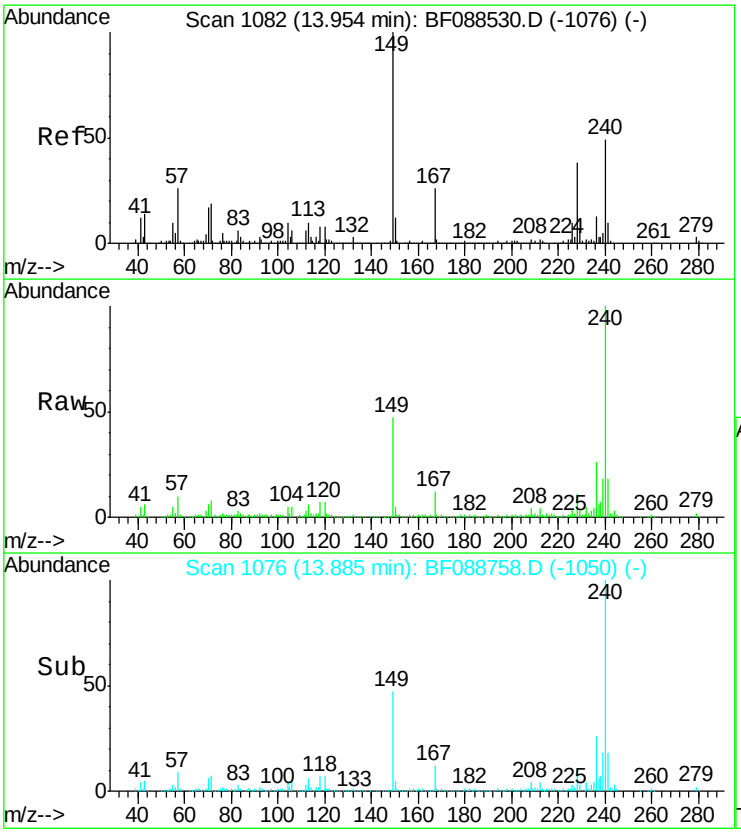
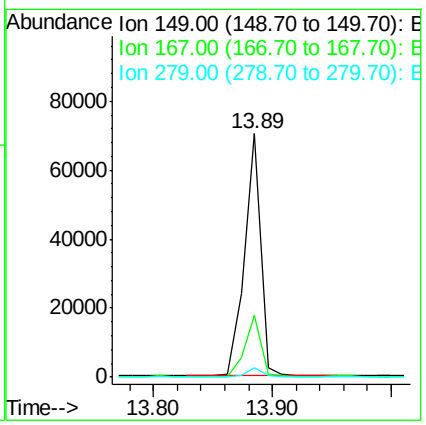


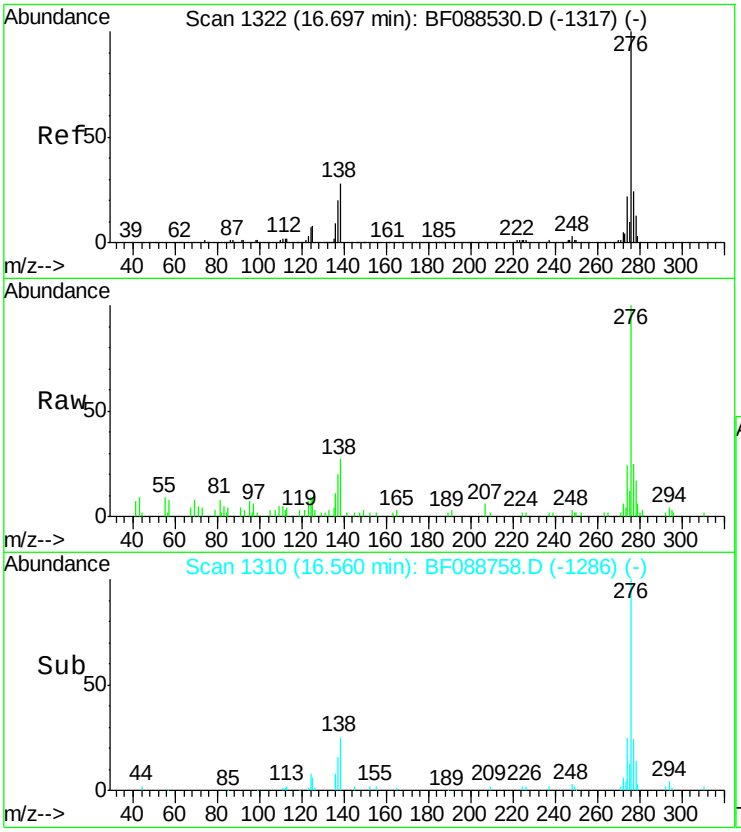


#83
Bis(2-ethylhexyl)phthalate
Concen: 7.75 ng
RT: 13.89 min Scan# 1076
Delta R.T. -0.00 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Tgt Ion:149 Resp: 67022

Ion	Ratio	Lower	Upper
149	100		
167	25.6	20.5	30.7
279	3.7	2.0	3.0#





#85
Indeno(1,2,3-cd)pyrene
Concen: 3.51 ng
RT: 16.56 min Scan# 1310
Delta R.T. -0.02 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Tgt Ion:276 Resp: 34459

Ion	Ratio	Lower	Upper
276	100		
138	23.3	0.0	0.0#
277	26.6	0.0	0.0#

Instrument :
BNA_F
ClientSampleId :
C2.2-04

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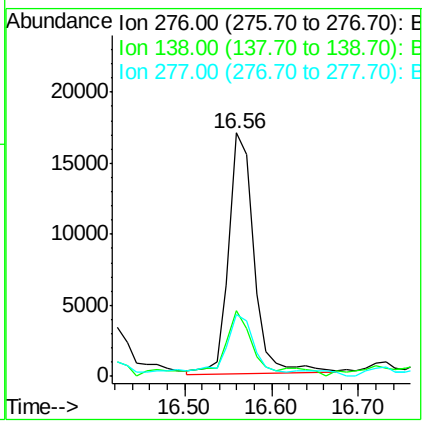
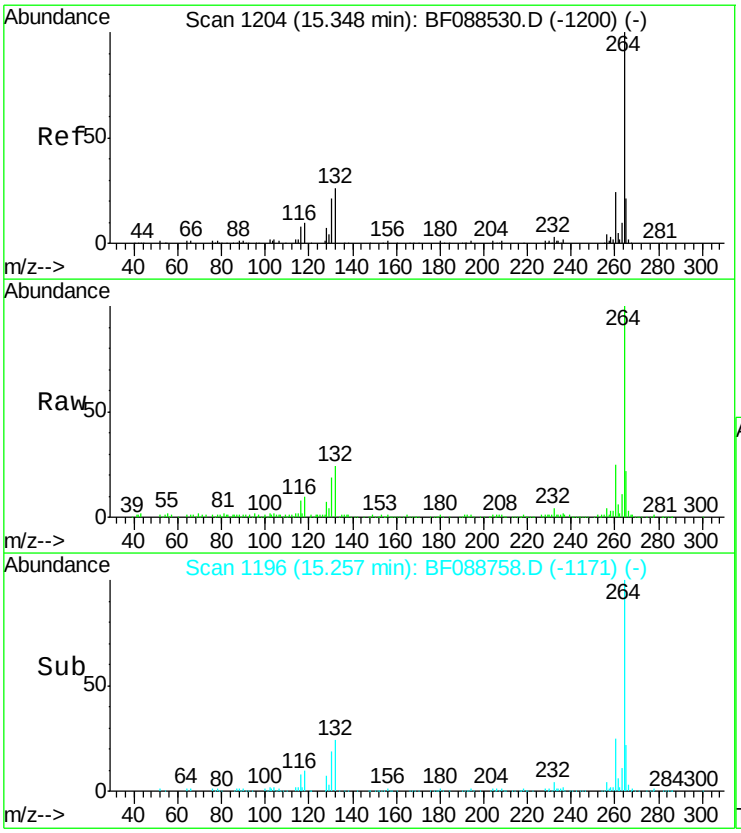
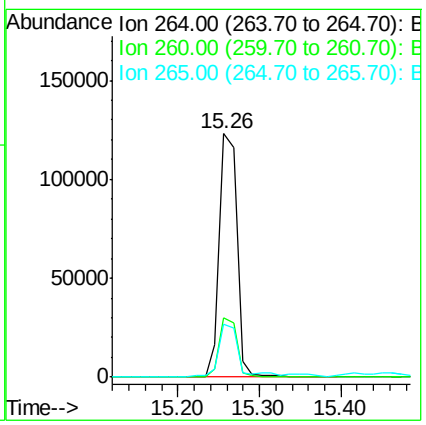


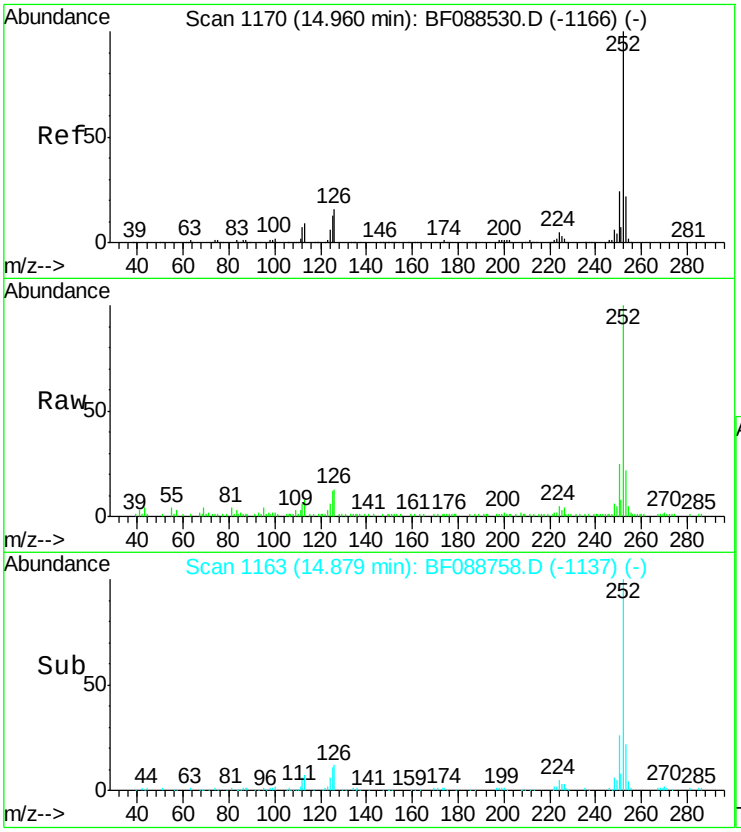


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.26 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Tgt Ion:264 Resp: 185853

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.8	16.9	25.3

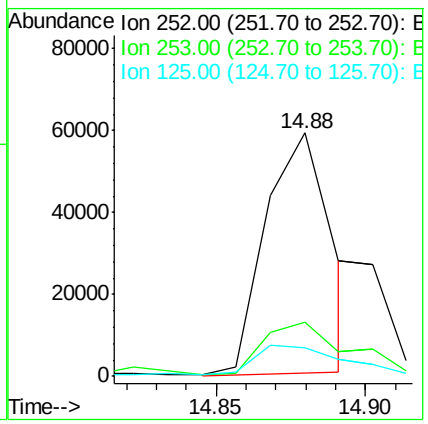




#87
Benzo(b)fluoranthene
Concen: 7.79 ng m
RT: 14.88 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Tgt Ion:252 Resp: 90786

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	11.9	7.1	10.7#



Instrument :
BNA_F
ClientSampleId :
C2.2-04

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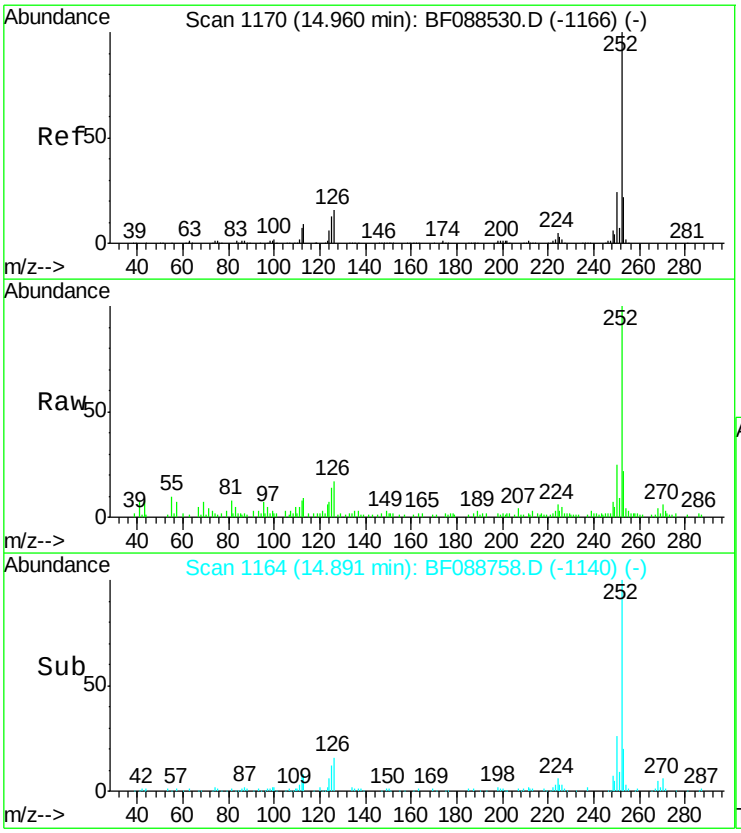
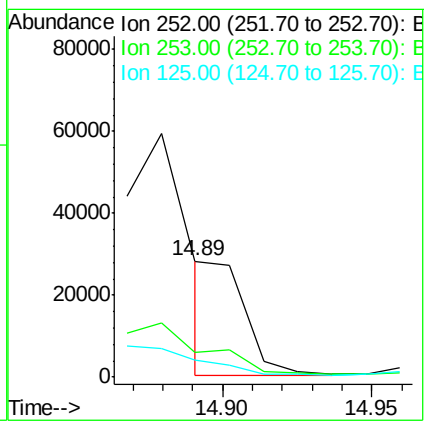
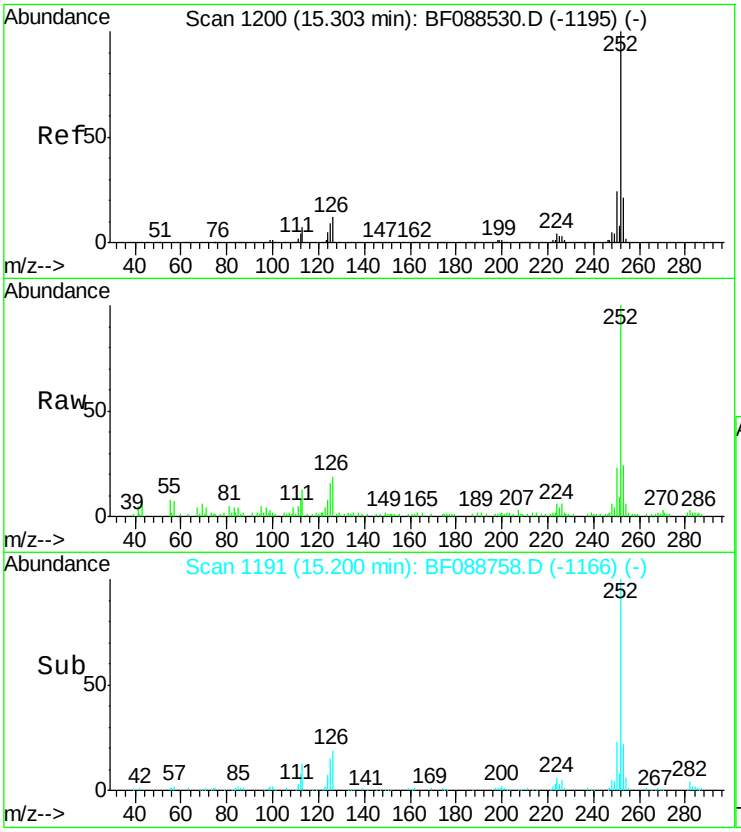


#88
Benzo(k)fluoranthene
Concen: 2.14 ng m
RT: 14.89 min Scan# 1164
Delta R.T. -0.02 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Tgt Ion:252 Resp: 21717

Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.0	27.0
125	14.3	11.2	16.8

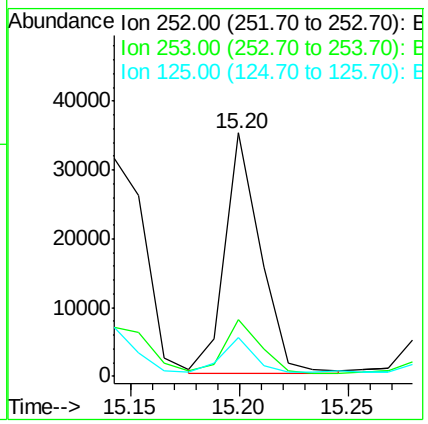




#89
Benzo(a)pyrene
Concen: 4.02 ng
RT: 15.20 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Tgt Ion:252 Resp: 39715

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	15.9	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
C2.2-04

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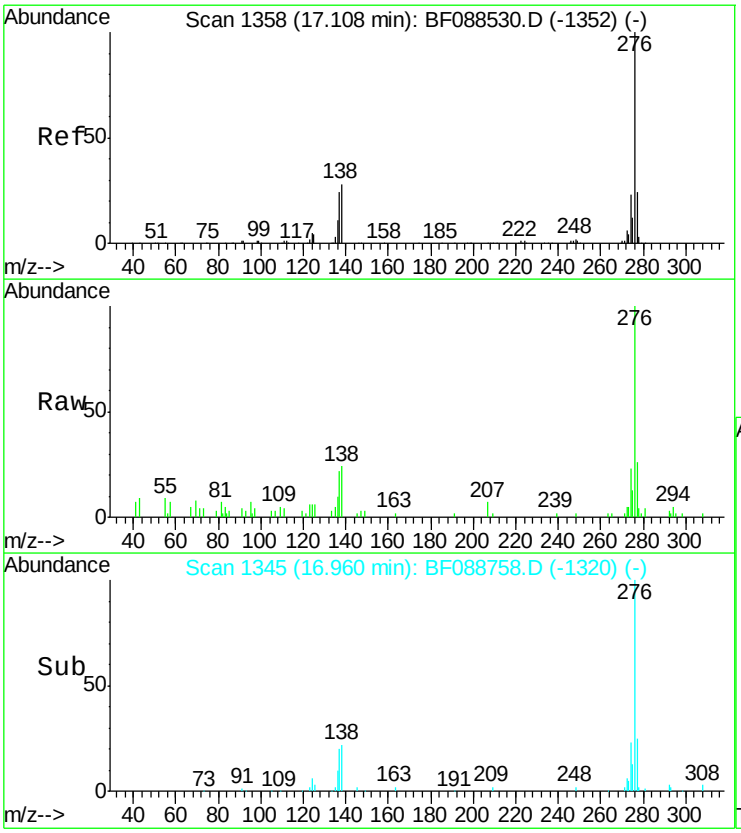

#91
Benzo(g,h,i)perylene
Concen: 3.89 ng
RT: 16.96 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Tgt Ion:276 Resp: 33147

Ion	Ratio	Lower	Upper
276	100		
277	26.3	18.9	28.3
138	23.7	21.4	32.2