Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081315\
Data File : BF080988.D
Acq On : 13 Aug 2015 19:06
Operator : UM/IZ
Sample : G3292-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSE

Manual Integrations APPROVED
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8/14/2015 3:09:12 PM

Quant Time: Aug 14 06:26:01 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 08 01:33:05 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	44067	20.00	ng		-0.06
21) Naphthalene-d8	8.03	136	152974	20.00	ng		-0.07
38) Acenaphthene-d10	9.79	164	68009	20.00	ng		-0.06
63) Phenanthrene-d10	11.28	188	114799	20.00	ng		-0.05
75) Chrysene-d12	13.93	240	46393	20.00	ng		-0.03
86) Perylene-d12	15.32	264	50227	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.34	112	324221	120.21	ng		-0.03
7) Phenol-d6	6.38	99	496158	134.25	ng		-0.06
23) Nitrobenzene-d5	7.32	82	323896	100.15	ng		-0.06
41) 2,4,6-Tribromophenol	10.58	330	64177	85.90	ng		-0.06
44) 2-Fluorobiphenyl	9.12	172	383174	79.32	ng		-0.06
78) Terphenyl-d14	12.86	244	126028	56.11	ng		-0.05
Target Compounds							Qvalue
31) Naphthalene	8.05	128	331664	39.33	ng		99
37) 2-Methylnaphthalene	8.75	142	81356	15.16	ng		98
45) 1,1'-Biphenyl	9.21	154	36217	6.20	ng		96
48) Acenaphthylene	9.64	152	246644	31.18	ng		99
49) Dimethylphthalate	9.52	163	99406	17.60	ng	#	97
51) Acenaphthene	9.82	154	361709	74.66	ng		99
54) Dibenzofuran	9.98	168	226427	34.56	ng	#	89
57) Fluorene	10.34	166	380535	75.09	ng		99
70) Phenanthrene	11.33	178	4140656m	636.97	ng		
71) Anthracene	11.37	178	1077729m	167.46	ng		
72) Carbazole	11.50	167	313112	49.97	ng	#	96
74) Fluoranthene	12.52	202	2591712	368.81	ng		96
77) Pyrene	12.75	202	2988991m	872.13	ng		
80) Benzo(a)anthracene	13.92	228	1175413	401.10	ng		93
82) Chrysene	13.96	228	776459	276.71	ng		95
85) Indeno(1,2,3-cd)pyrene	16.68	276	356835	133.63	ng		95
87) Benzo(b)fluoranthene	14.95	252	1067416m	305.62	ng		
88) Benzo(k)fluoranthene	14.97	252	259674m	84.99	ng		
89) Benzo(a)pyrene	15.29	252	645392	215.00	ng	#	92
90) Dibenzo(a,h)anthracene	16.80	278	67761	25.52	ng		97
91) Benzo(g,h,i)perylene	17.08	276	320846	124.24	ng		96

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

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BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSE

Manual Integrations APPROVED
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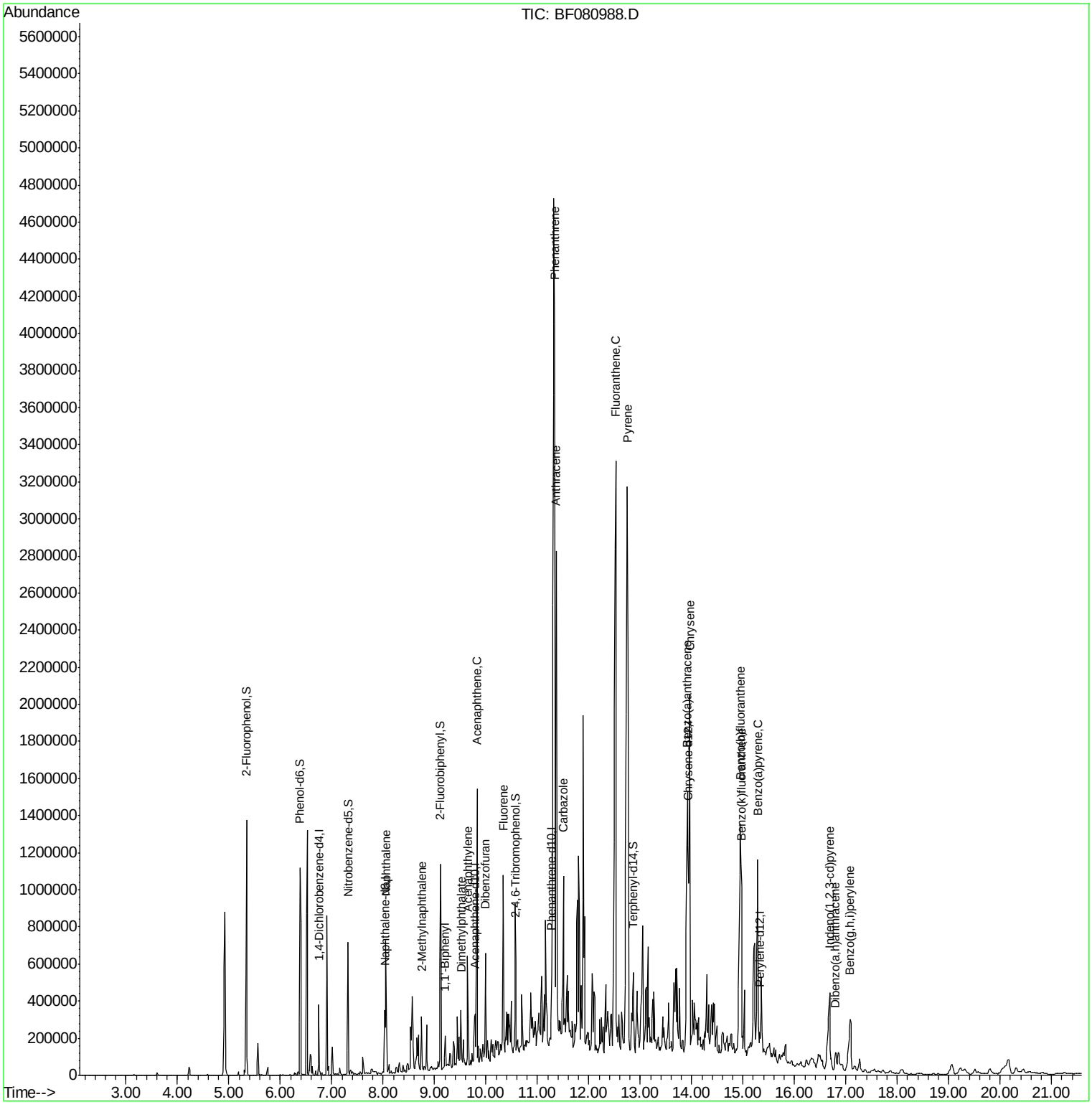
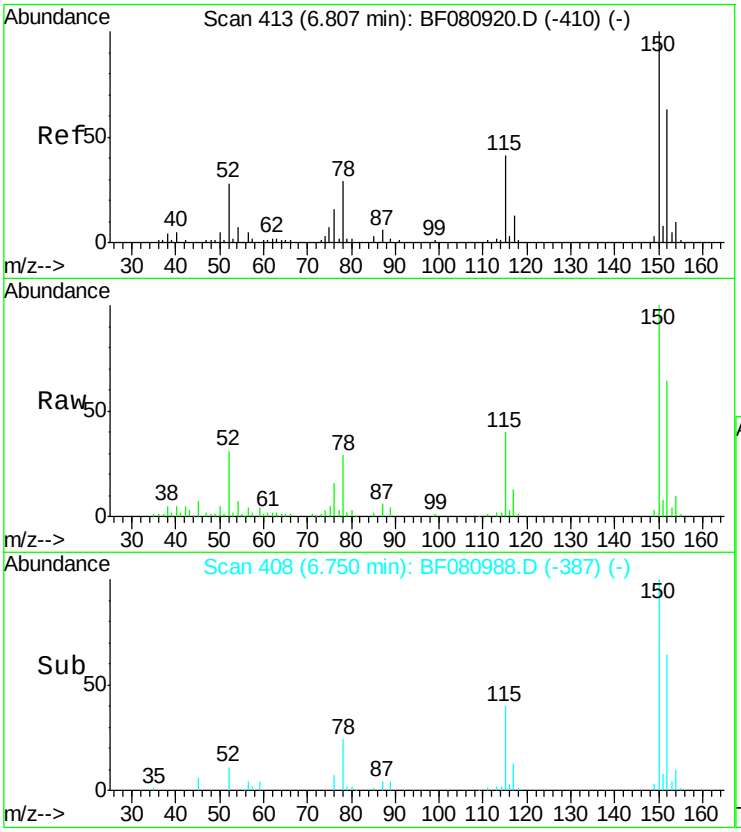
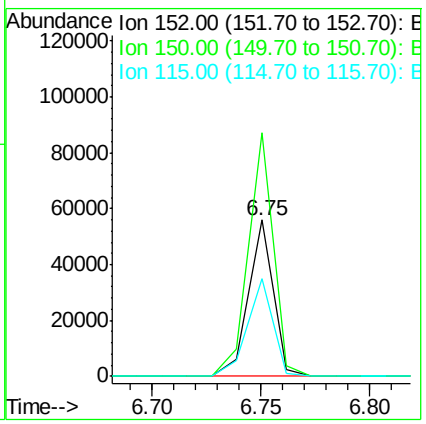




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 408
Delta R.T. -0.06 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:152 Resp: 44067

Ion	Ratio	Lower	Upper
152	100		
150	156.0	127.4	191.2
115	62.3	52.6	78.8



Instrument :
BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSE

Manual Integrations APPROVED
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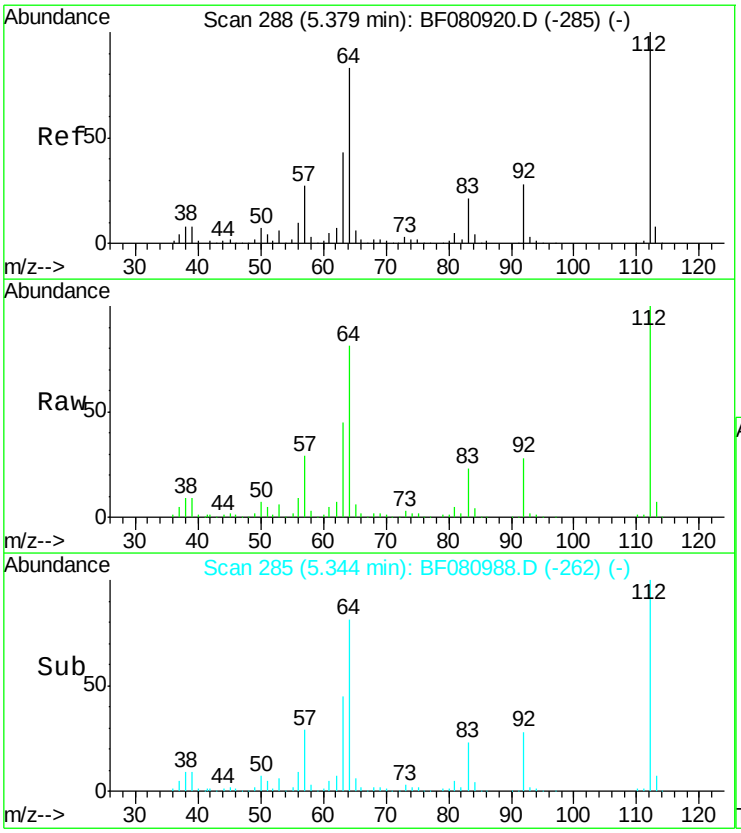
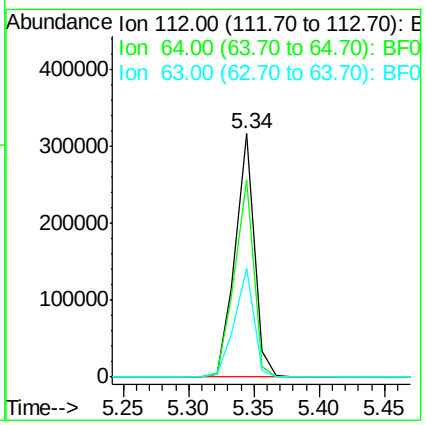
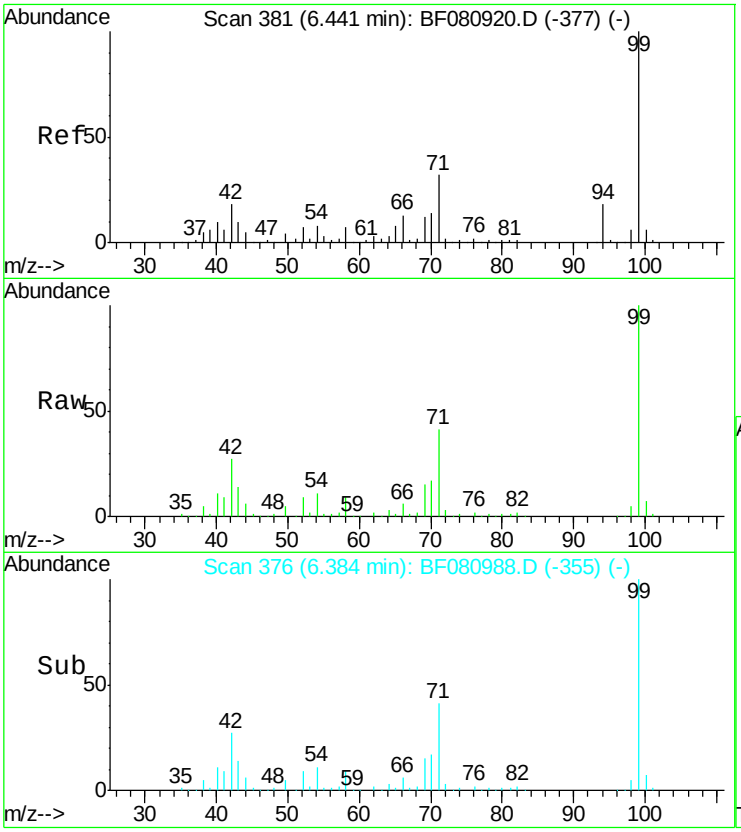


#5
2-Fluorophenol
Concen: 120.21 ng
RT: 5.34 min Scan# 285
Delta R.T. -0.03 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:112 Resp: 324221

Ion	Ratio	Lower	Upper
112	100		
64	80.9	66.1	99.1
63	44.6	34.6	52.0

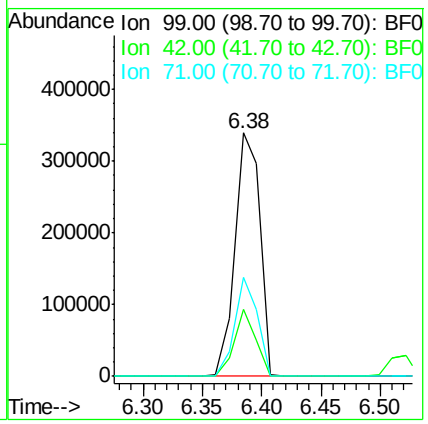




#7
Phenol-d6
Concen: 134.25 ng
RT: 6.38 min Scan# 376
Delta R.T. -0.06 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion: 99 Resp: 496158

Ion	Ratio	Lower	Upper
99	100		
42	27.4	14.4	21.6#
71	40.8	25.8	38.8#



Instrument :
BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSE

Manual Integrations APPROVED
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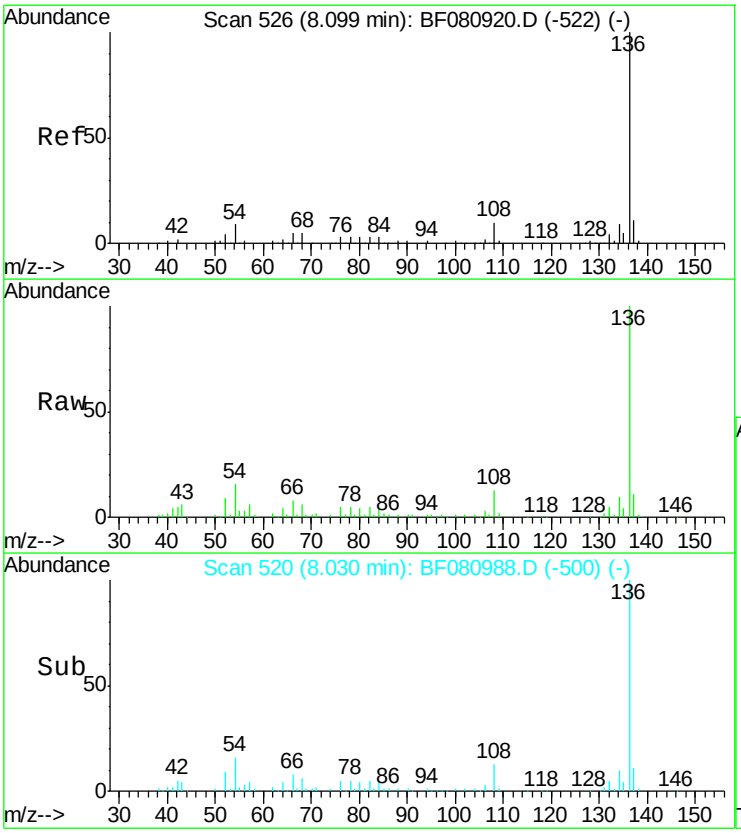
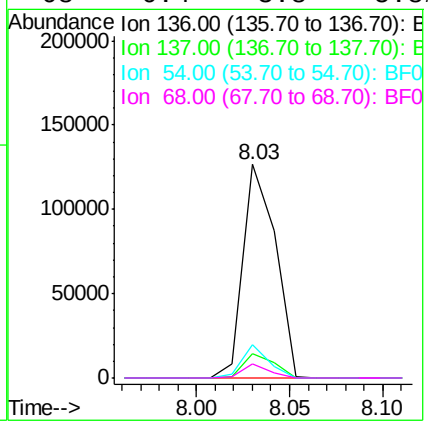
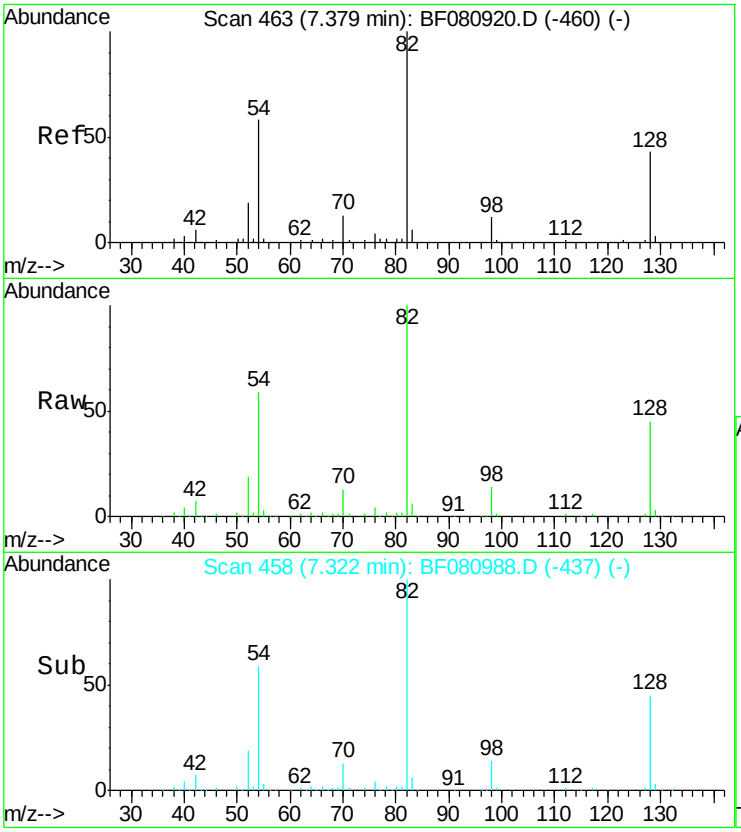


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.07 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:136 Resp: 152974

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.5	12.7
54	15.8	7.1	10.7#
68	6.4	3.8	5.8#

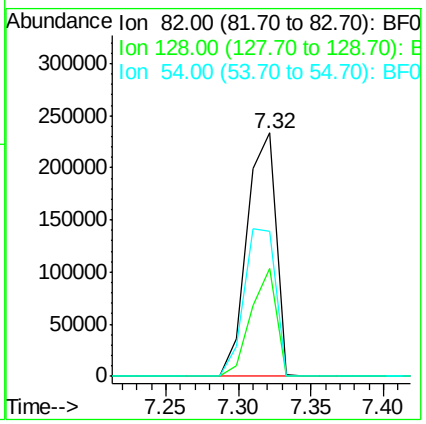




#23
Nitrobenzene-d5
Concen: 100.15 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.06 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion: 82 Resp: 323896

Ion	Ratio	Lower	Upper
82	100		
128	44.6	34.1	51.1
54	59.4	46.5	69.7



Instrument :
BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSE

Manual Integrations APPROVED
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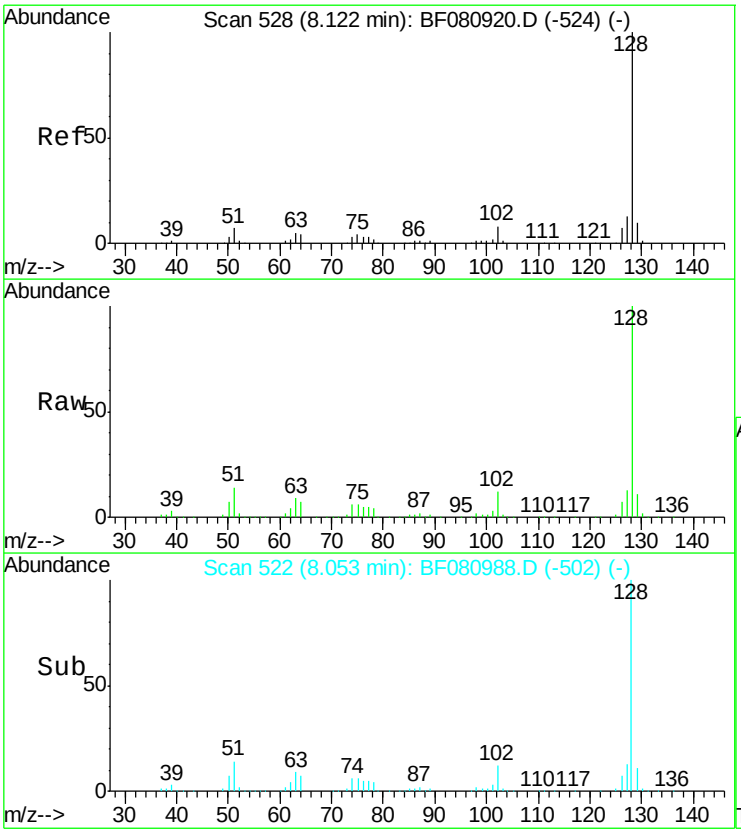
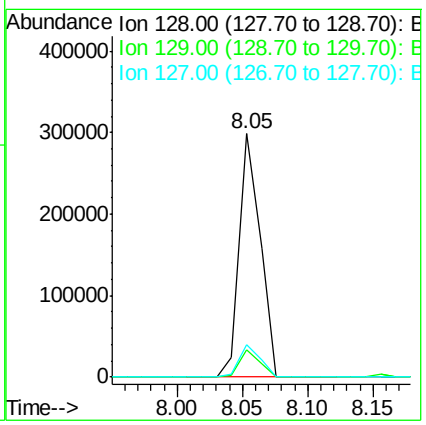
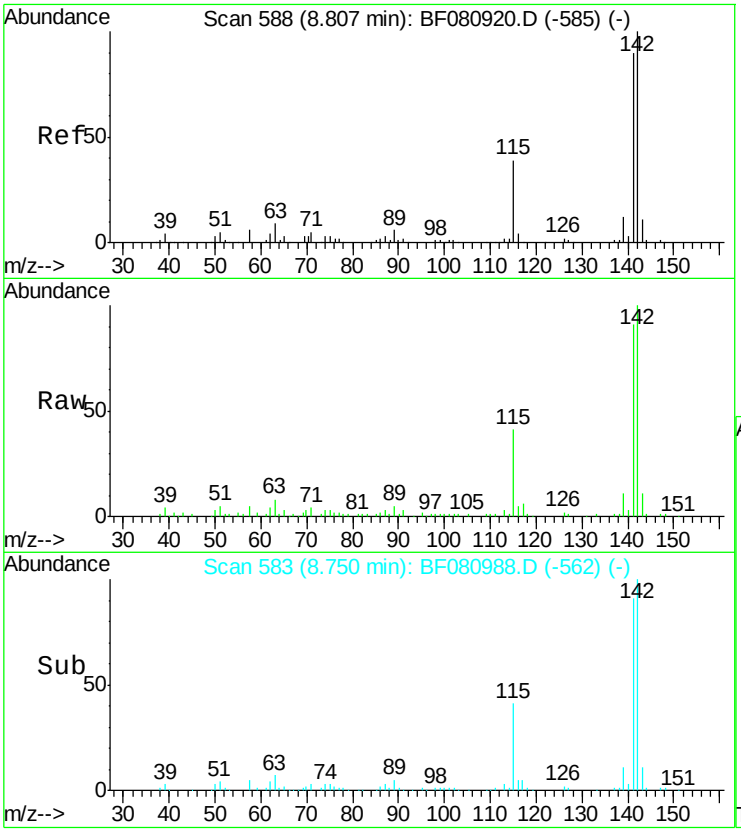


#31
Naphthalene
Concen: 39.33 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.07 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:128 Resp: 331664

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.4	12.6
127	13.3	10.5	15.7

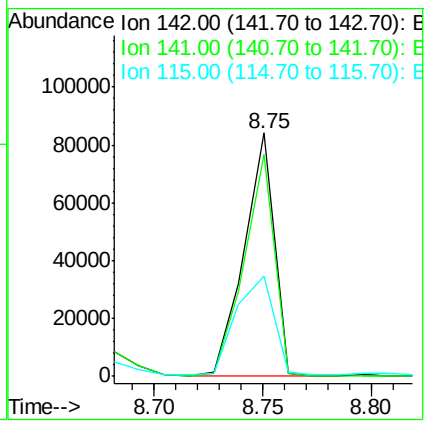




#37
2-Methylnaphthalene
Concen: 15.16 ng
RT: 8.75 min Scan# 583
Delta R.T. -0.06 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:142 Resp: 81356

Ion	Ratio	Lower	Upper
142	100		
141	90.9	71.7	107.5
115	41.4	30.9	46.3



Instrument :
BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSE

Manual Integrations APPROVED
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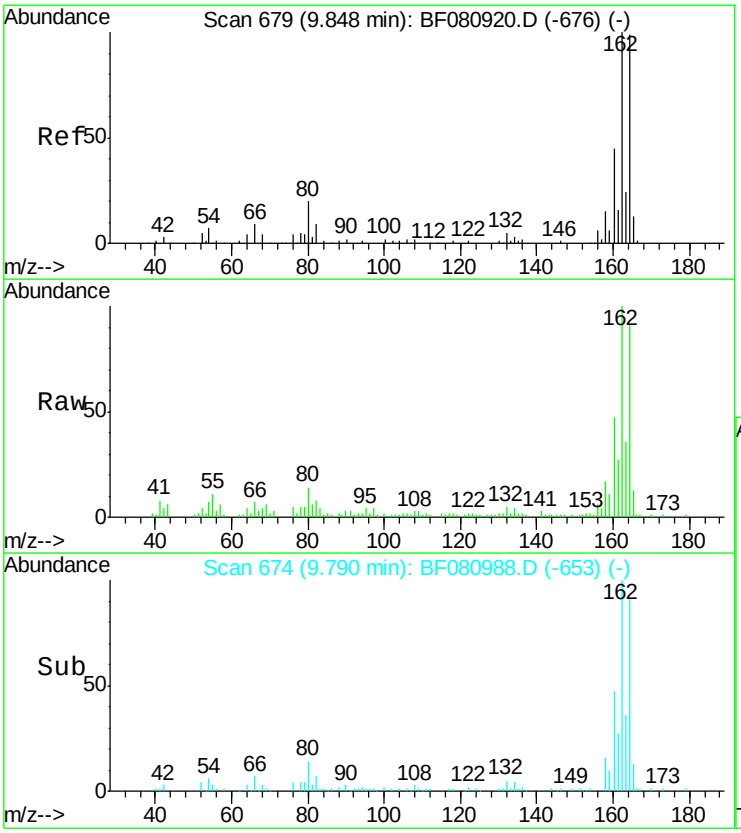
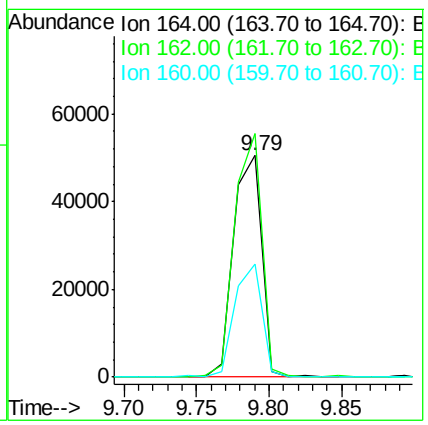
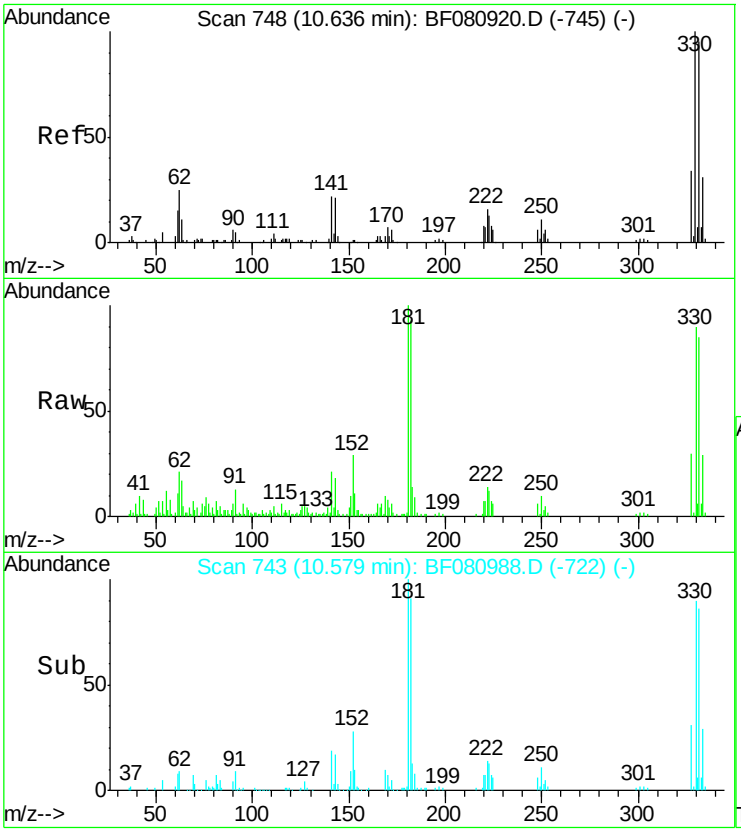


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.06 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:164 Resp: 68009

Ion	Ratio	Lower	Upper
164	100		
162	109.9	80.5	120.7
160	51.2	36.6	54.8

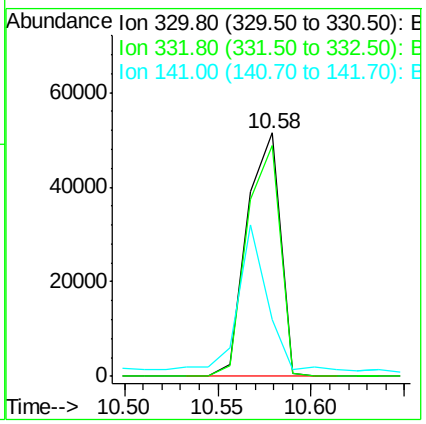




#41
2,4,6-Tribromophenol
Concen: 85.90 ng
RT: 10.58 min Scan# 743
Delta R.T. -0.06 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:330 Resp: 64177

Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.2	114.4
141	55.9	27.8	41.8#



Instrument :
BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSE

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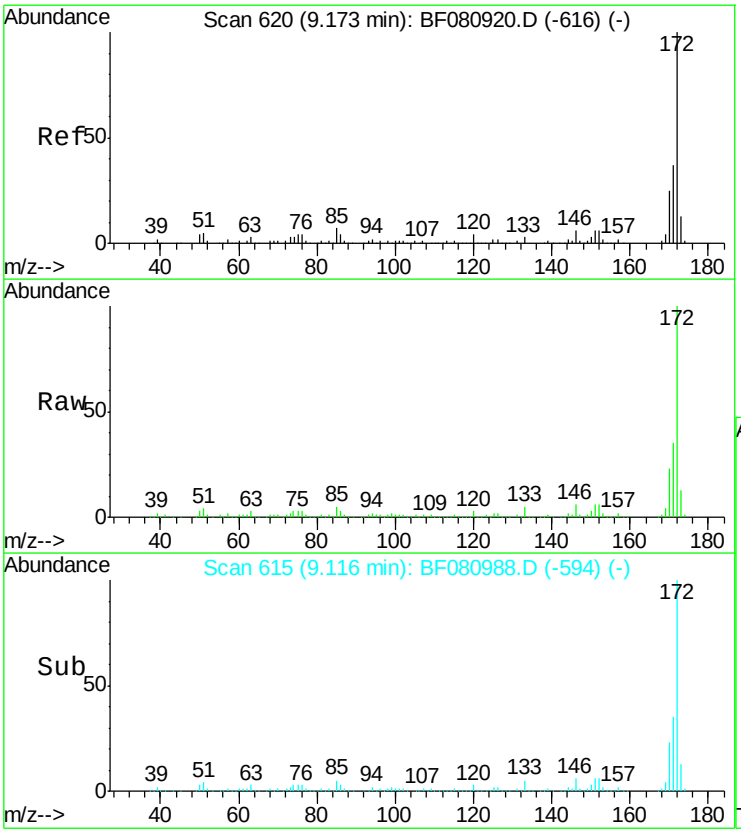
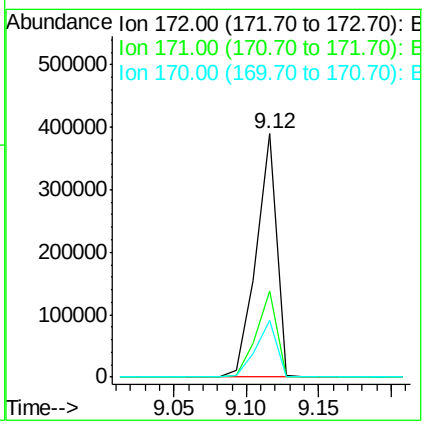
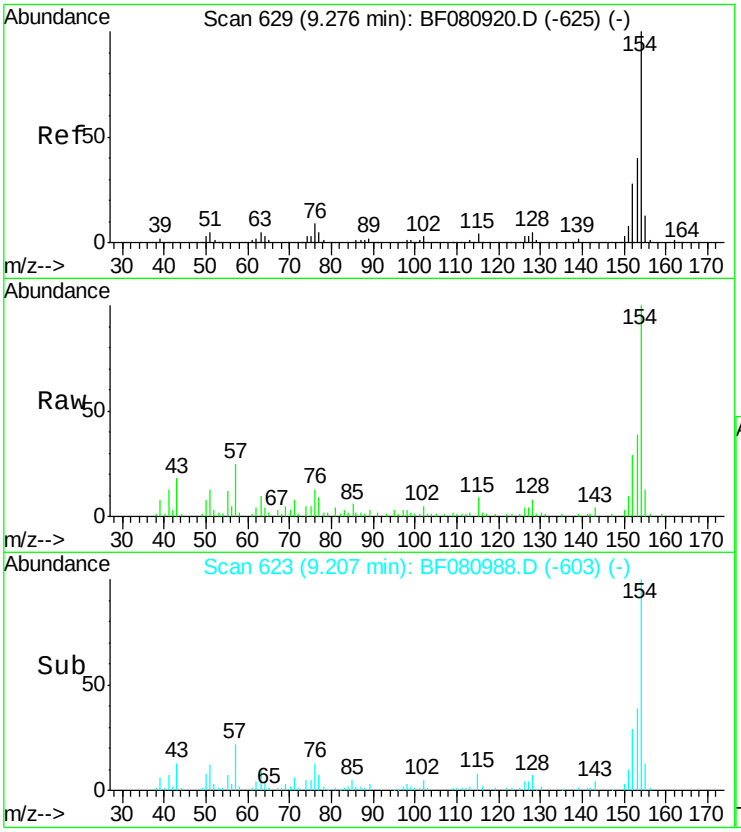


#44
2-Fluorobiphenyl
Concen: 79.32 ng
RT: 9.12 min Scan# 615
Delta R.T. -0.06 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:172 Resp: 383174

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.4	44.0
170	23.5	19.7	29.5

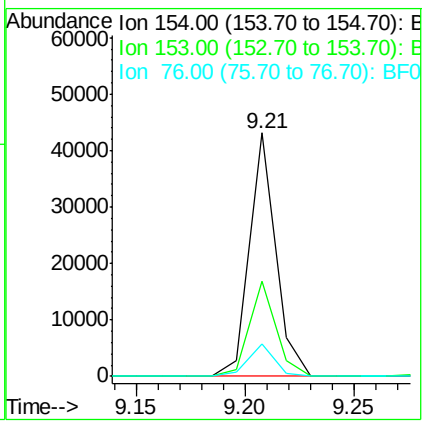




#45
1,1'-Biphenyl
Concen: 6.20 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.07 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:154 Resp: 36217

Ion	Ratio	Lower	Upper
154	100		
153	38.9	20.1	60.1
76	13.2	0.0	29.3



Instrument :
BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSE

Manual Integrations APPROVED
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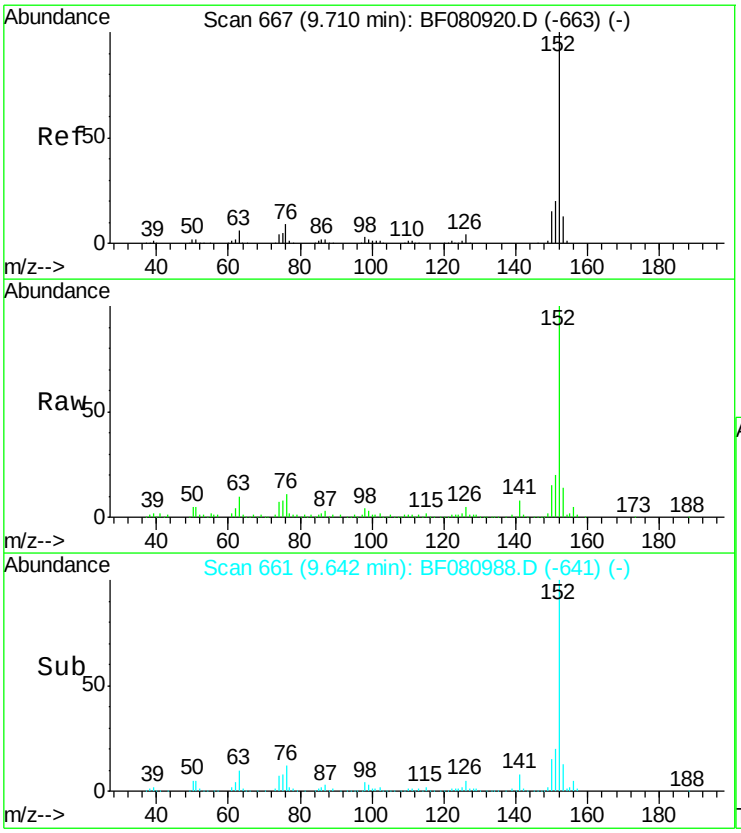
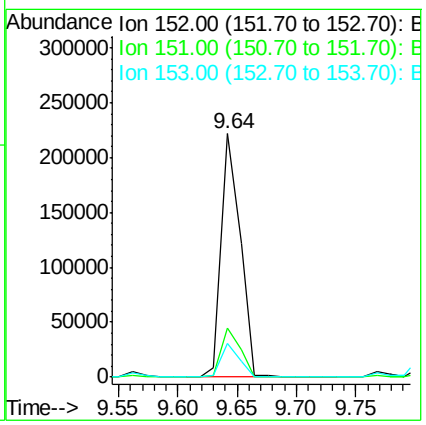
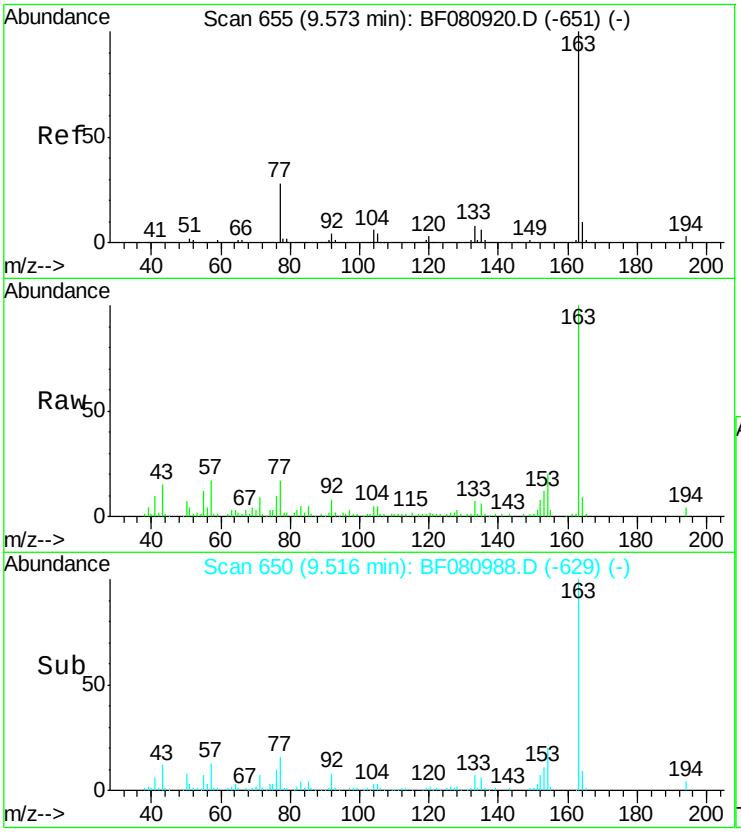


#48
Acenaphthylene
Concen: 31.18 ng
RT: 9.64 min Scan# 661
Delta R.T. -0.07 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:152 Resp: 246644

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.3	24.5
153	13.7	10.5	15.7

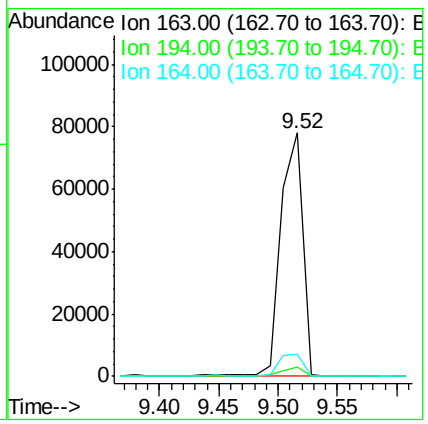




#49
Dimethylphthalate
Concen: 17.60 ng
RT: 9.52 min Scan# 650
Delta R.T. -0.06 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:163 Resp: 99406

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.4	3.6#
164	9.1	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSE

Manual Integrations APPROVED
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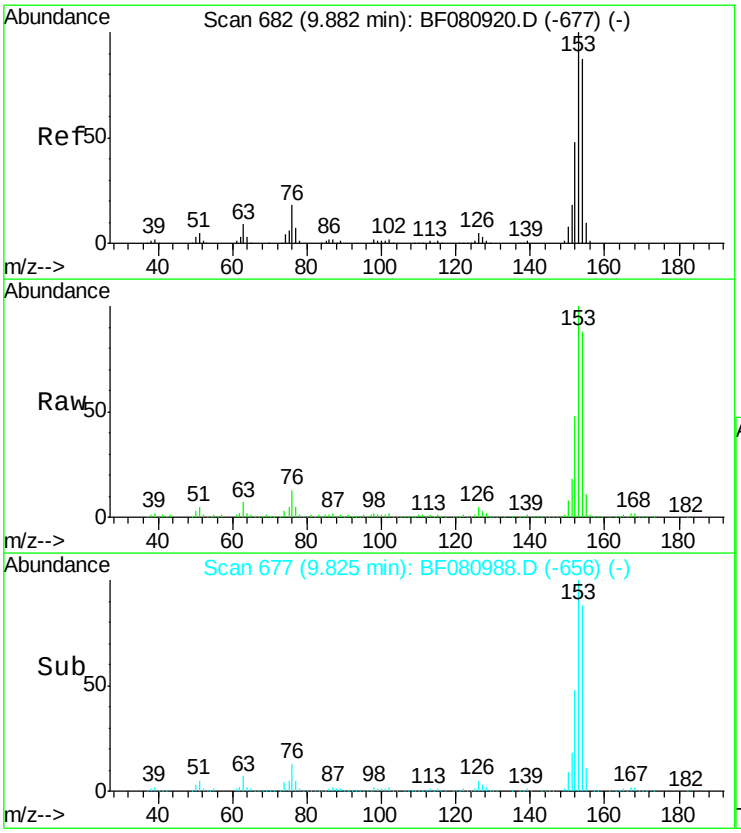
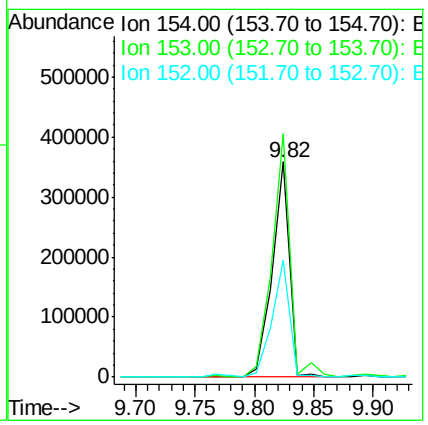
8/14/2015 3:09:12 PM

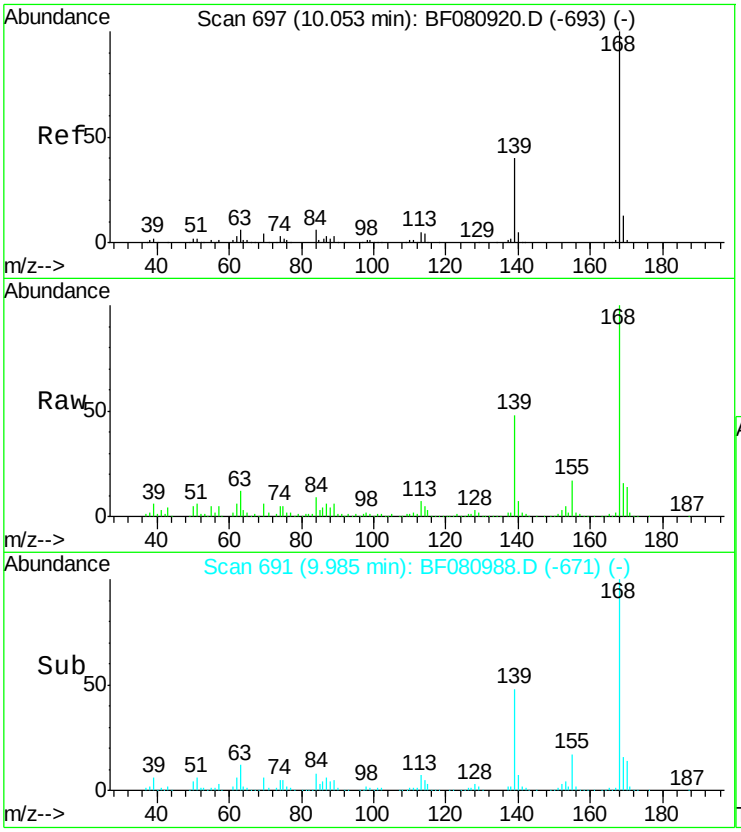


#51
Acenaphthene
Concen: 74.66 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.06 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:154 Resp: 361709

Ion	Ratio	Lower	Upper
154	100		
153	113.3	91.4	137.2
152	54.7	44.2	66.4

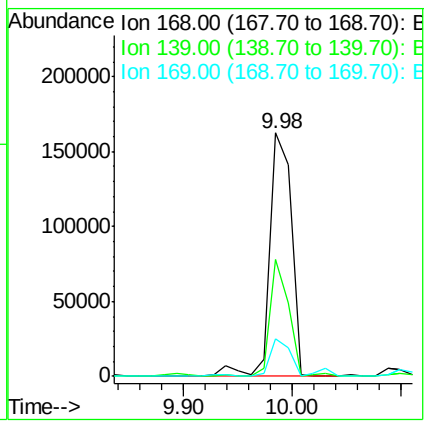




#54
Dibenzofuran
Concen: 34.56 ng
RT: 9.98 min Scan# 691
Delta R.T. -0.07 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:168 Resp: 226427

Ion	Ratio	Lower	Upper
168	100		
139	48.0	31.9	47.9#
169	15.6	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSE

Manual Integrations APPROVED
MMDadoda
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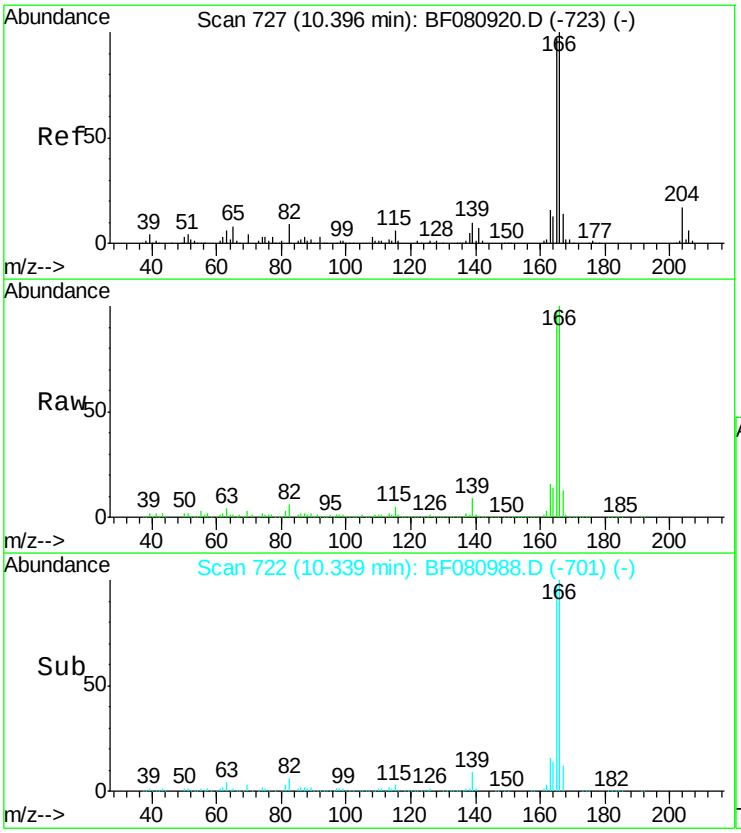
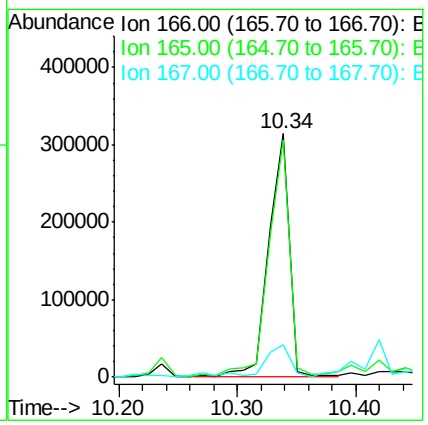
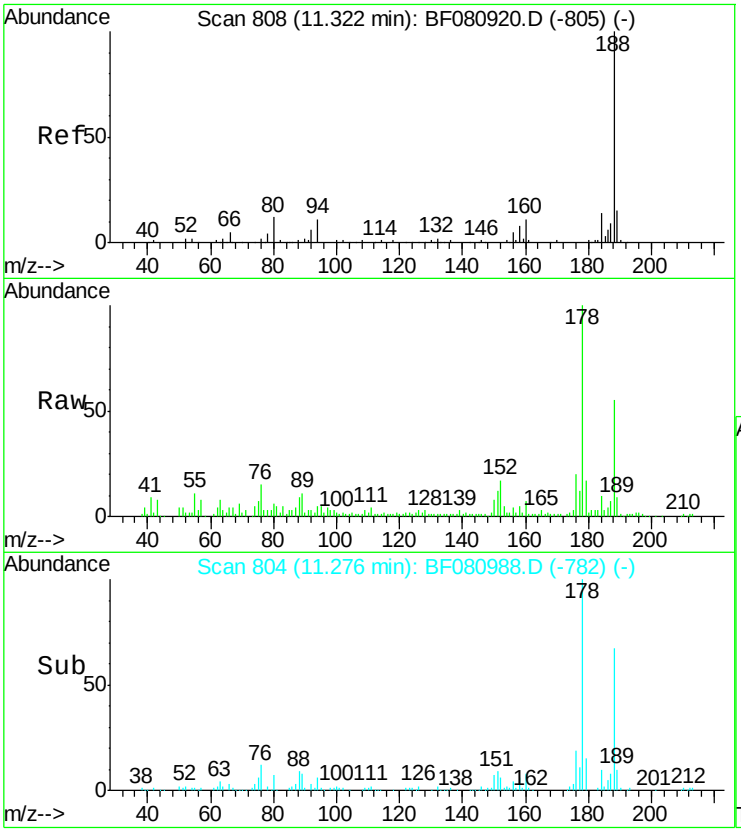


#57
Fluorene
Concen: 75.09 ng
RT: 10.34 min Scan# 722
Delta R.T. -0.06 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:166 Resp: 380535

Ion	Ratio	Lower	Upper
166	100		
165	97.3	77.2	115.8
167	13.3	10.8	16.2

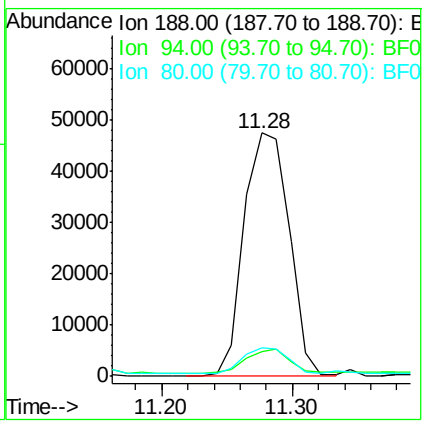




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 804
Delta R.T. -0.05 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:188 Resp: 114799

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.8	13.2
80	11.5	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
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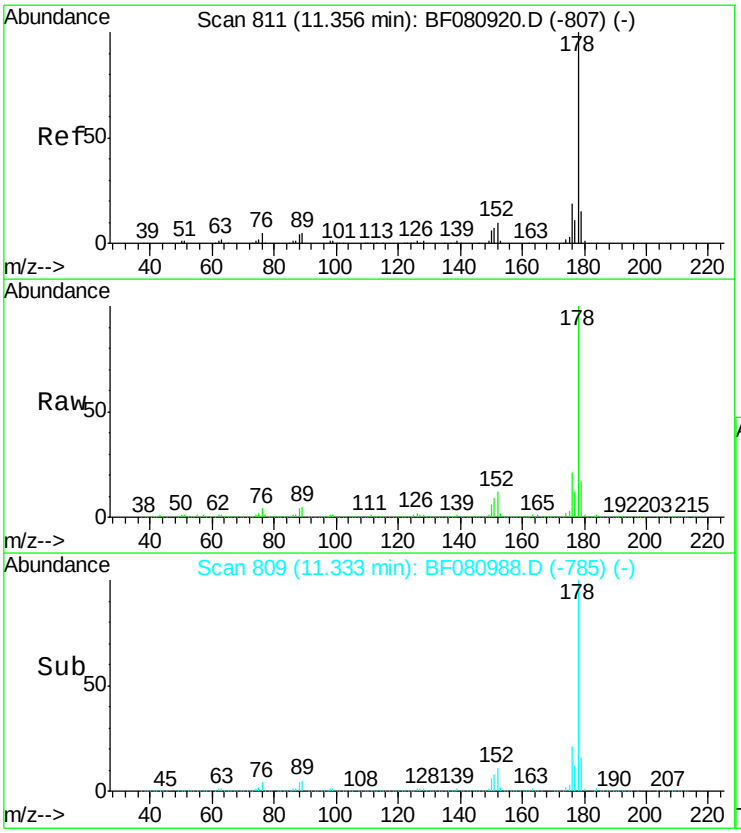
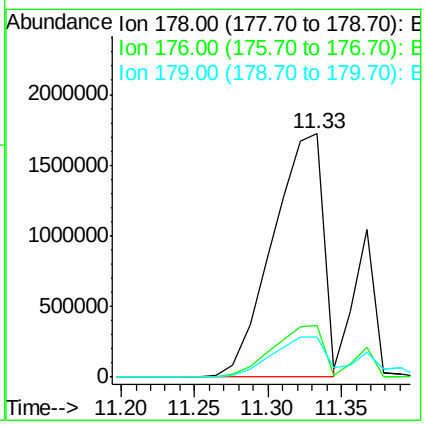
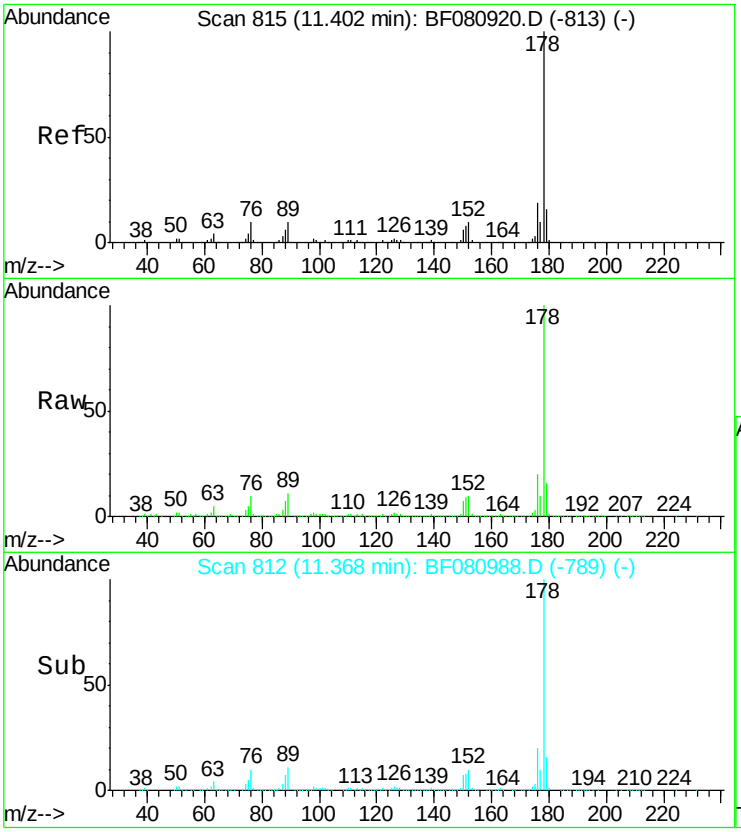


#70
Phenanthrene
Concen: 636.97 ng m
RT: 11.33 min Scan# 809
Delta R.T. -0.02 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:178 Resp: 4140656

Ion	Ratio	Lower	Upper
178	100		
176	21.3	15.6	23.4
179	16.6	11.9	17.9

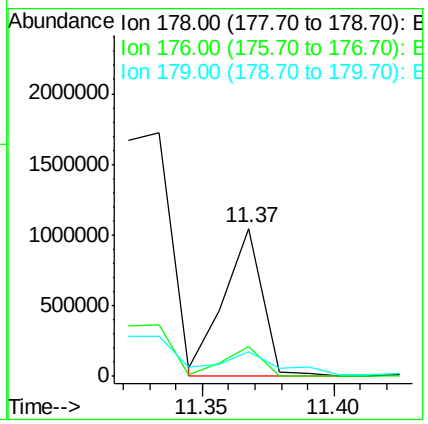




#71
Anthracene
Concen: 167.46 ng m
RT: 11.37 min Scan# 812
Delta R.T. -0.03 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:178 Resp: 1077729

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.5	23.3
179	16.4	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSE

Manual Integrations APPROVED
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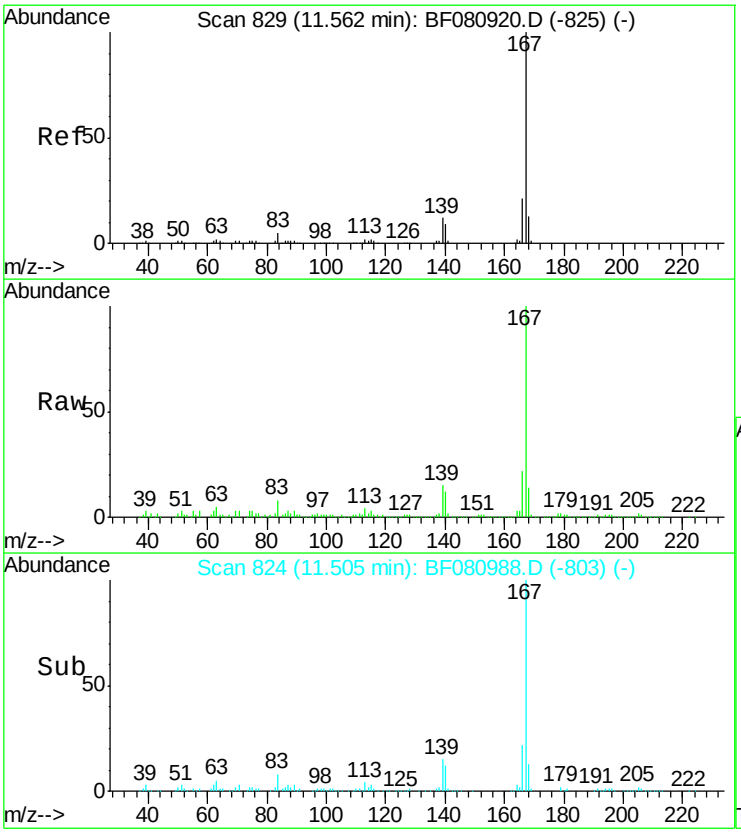
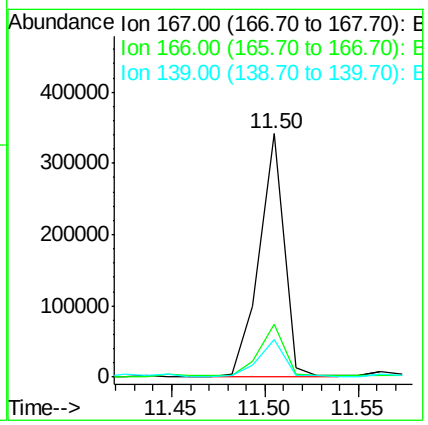
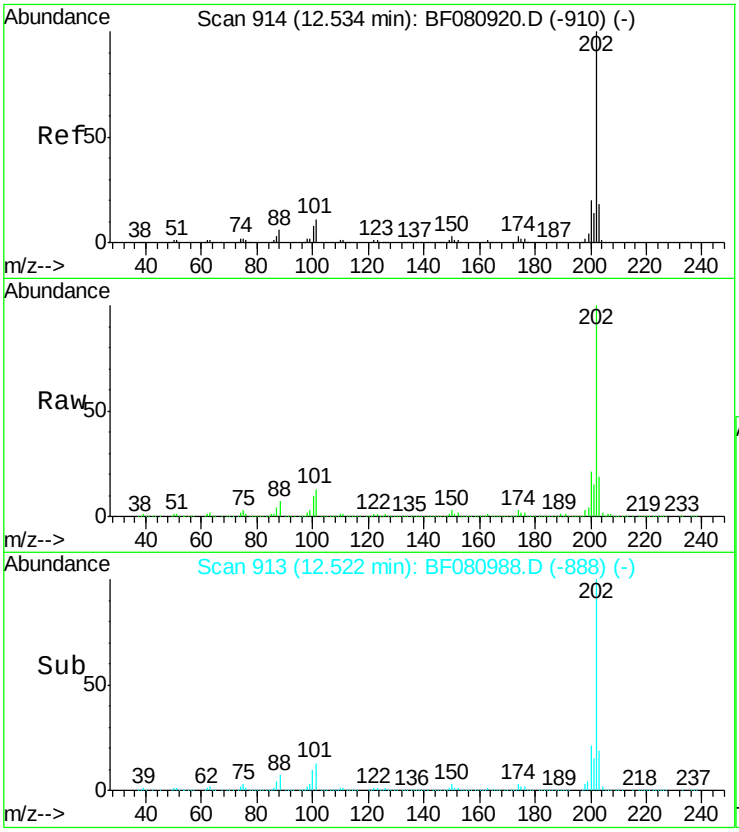


#72
Carbazole
Concen: 49.97 ng
RT: 11.50 min Scan# 824
Delta R.T. -0.06 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:167 Resp: 313112

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.1	25.7
139	15.2	9.2	13.8#

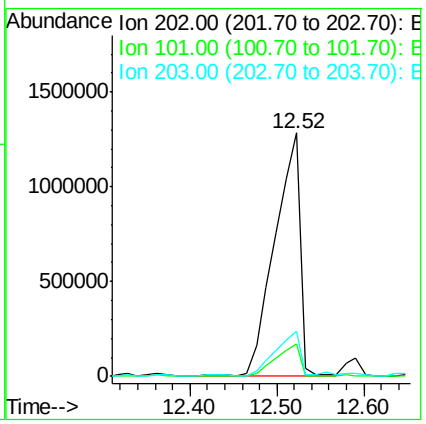




#74
Fluoranthene
Concen: 368.81 ng
RT: 12.52 min Scan# 913
Delta R.T. -0.01 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:202 Resp: 2591712

Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	30.5
203	18.6	0.0	37.7



Instrument :
BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSE

Manual Integrations APPROVED
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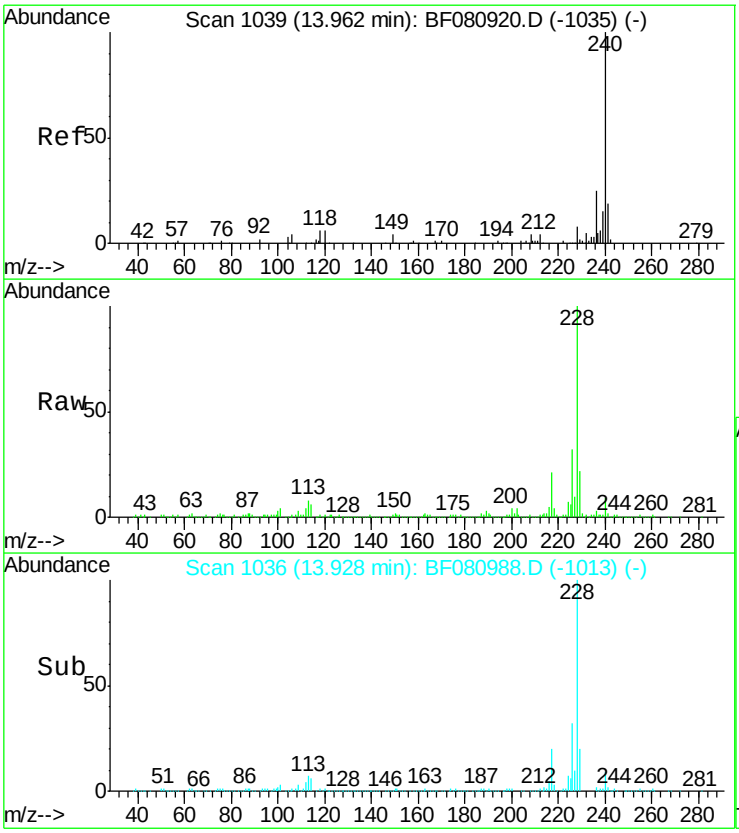
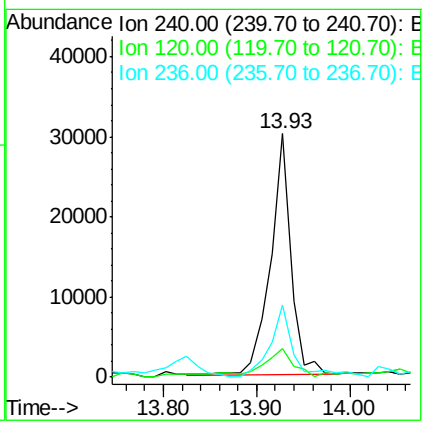
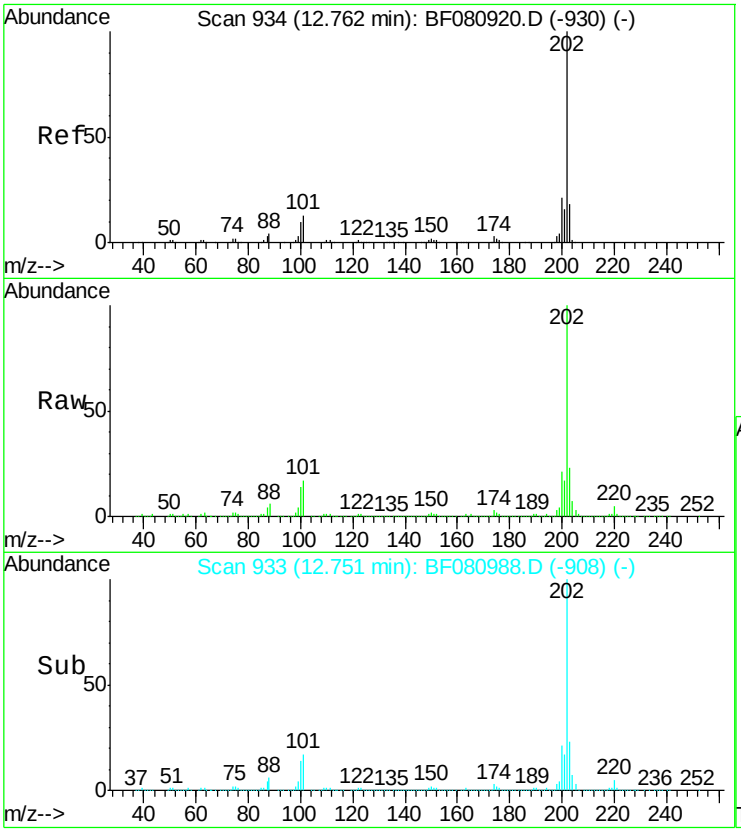


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 1036
Delta R.T. -0.03 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:240 Resp: 46393

Ion	Ratio	Lower	Upper
240	100		
120	11.9	5.2	7.8#
236	29.7	20.2	30.4

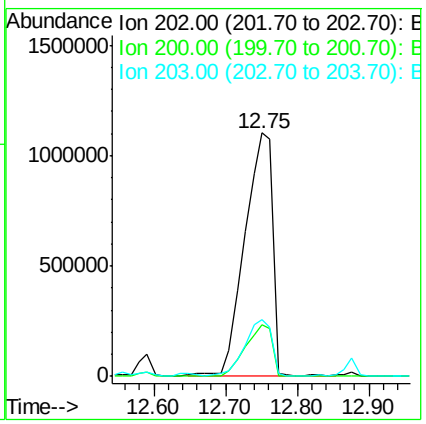




#77
Pyrene
Concen: 872.13 ng m
RT: 12.75 min Scan# 933
Delta R.T. -0.01 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:202 Resp: 2988991

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	24.8
203	23.2	14.2	21.2#



Instrument :
BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSE

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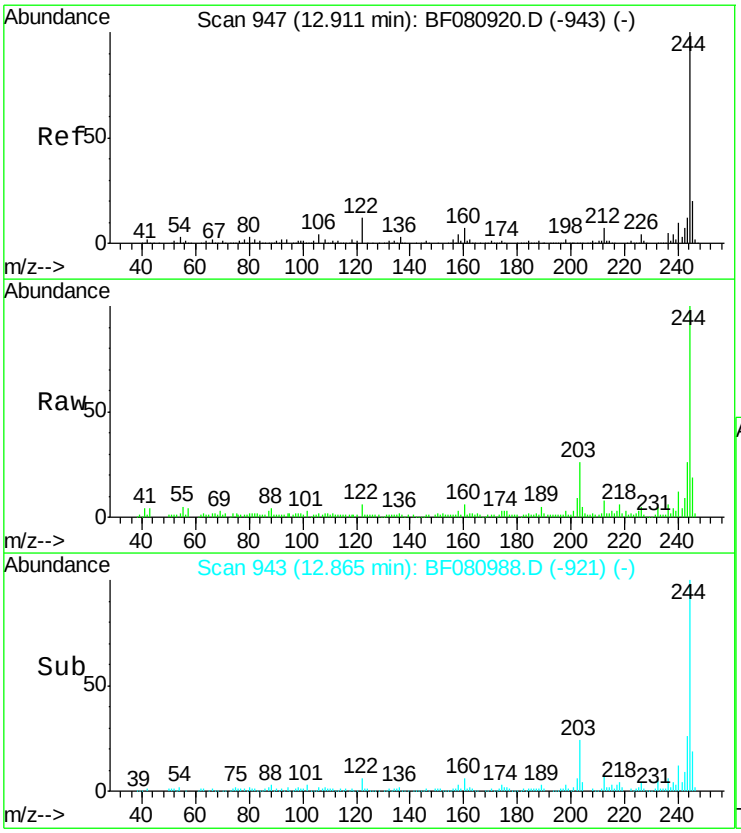
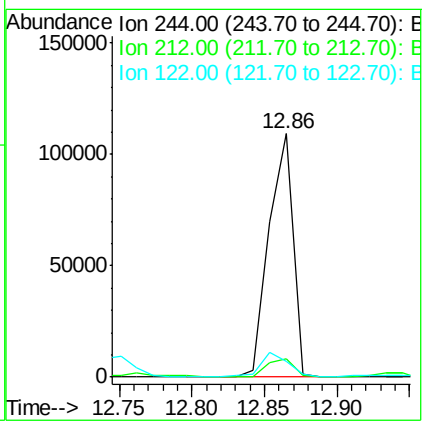
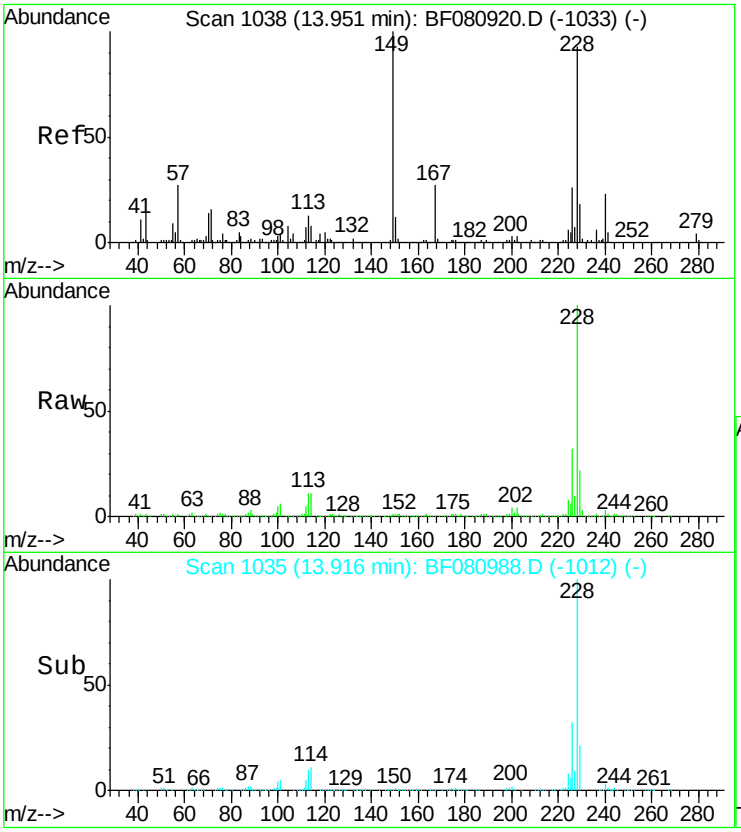


#78
Terphenyl-d14
Concen: 56.11 ng
RT: 12.86 min Scan# 943
Delta R.T. -0.05 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:244 Resp: 126028

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.8
122	6.3	9.4	14.2#

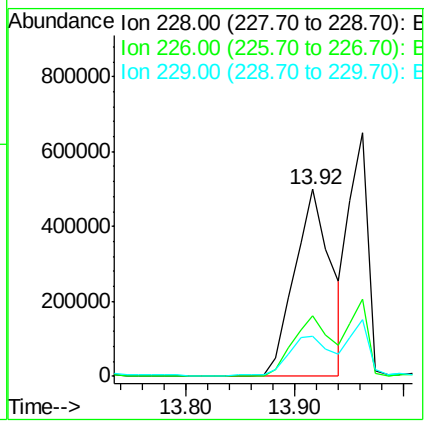




#80
Benzo(a)anthracene
Concen: 401.10 ng
RT: 13.92 min Scan# 1035
Delta R.T. -0.03 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:228 Resp: 1175413

Ion	Ratio	Lower	Upper
228	100		
226	32.4	22.2	33.2
229	21.6	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSE

Manual Integrations APPROVED
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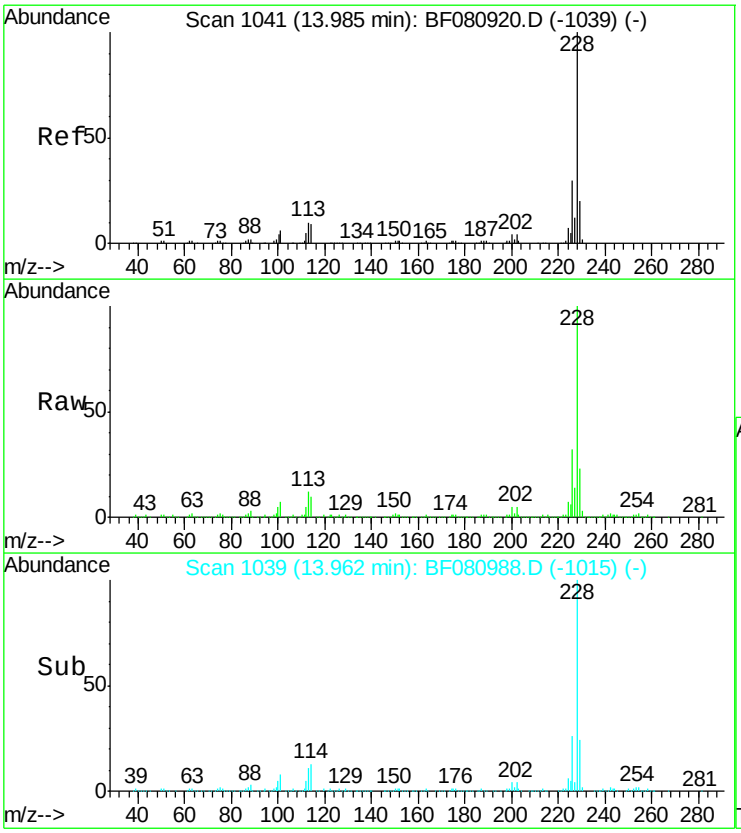
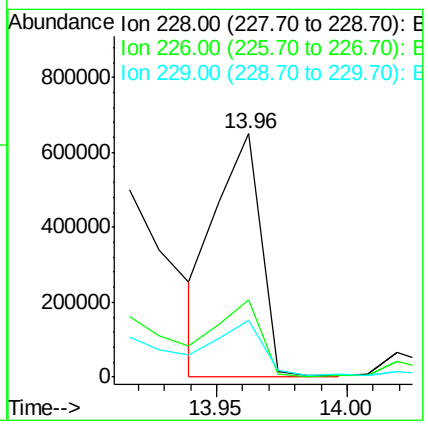
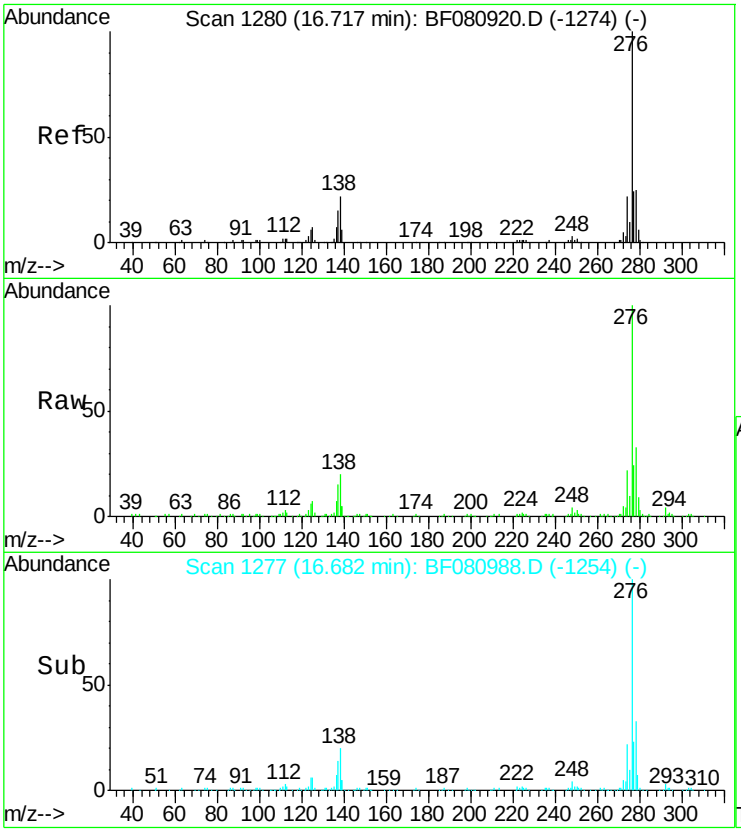


#82
Chrysene
Concen: 276.71 ng
RT: 13.96 min Scan# 1039
Delta R.T. -0.02 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:228 Resp: 776459

Ion	Ratio	Lower	Upper
228	100		
226	31.7	23.9	35.9
229	23.3	15.8	23.6

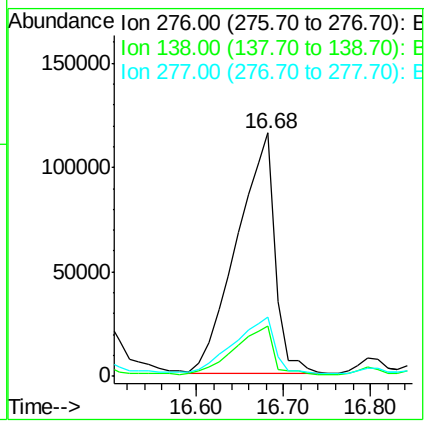




#85
Indeno(1,2,3-cd)pyrene
Concen: 133.63 ng
RT: 16.68 min Scan# 1277
Delta R.T. -0.03 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:276 Resp: 356835

Ion	Ratio	Lower	Upper
276	100		
138	20.9	19.9	29.9
277	25.8	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSE

Manual Integrations APPROVED
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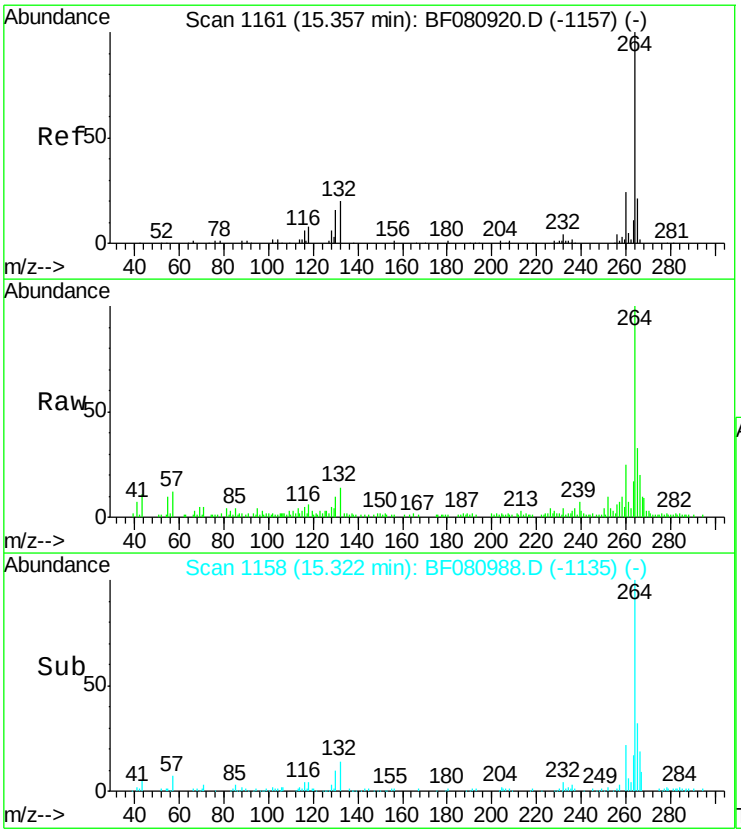
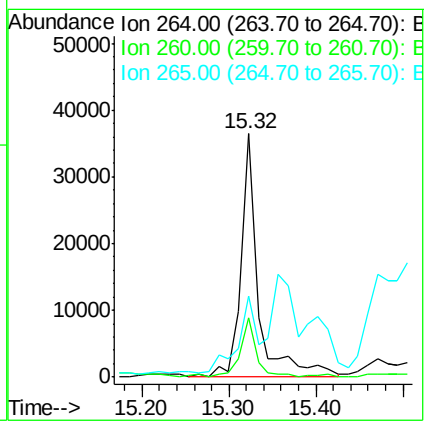
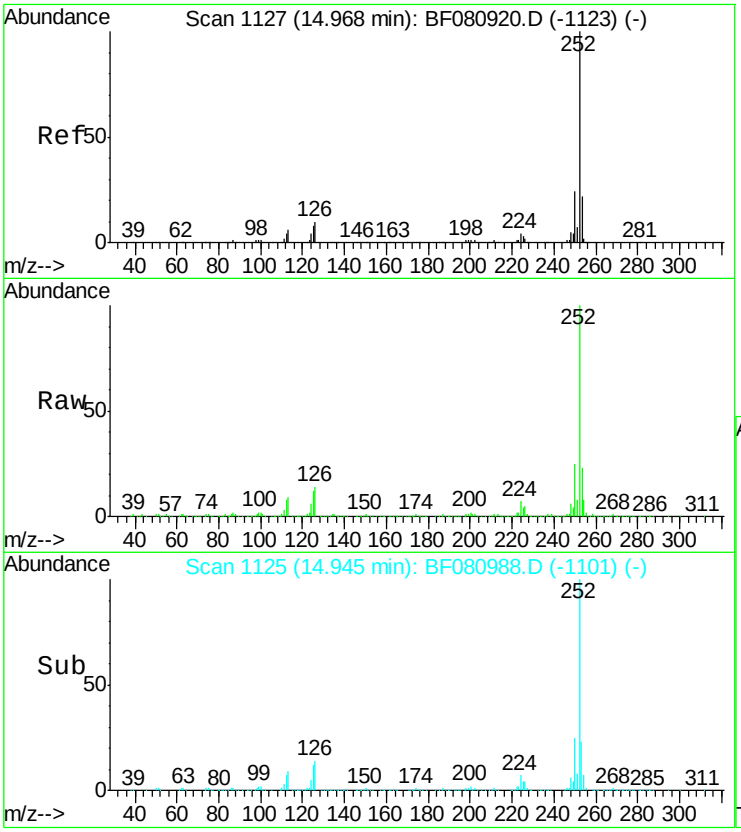


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 1158
Delta R.T. -0.03 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:264 Resp: 50227

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.0
265	33.2	17.0	25.4#

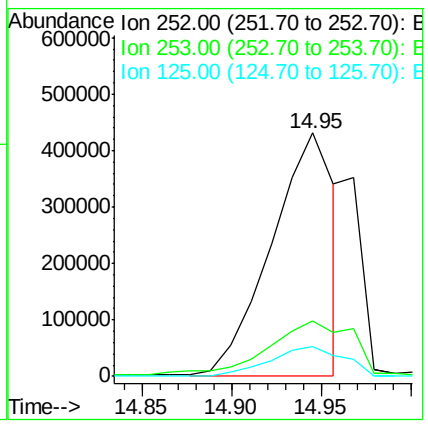




#87
Benzo(b)fluoranthene
Concen: 305.62 ng m
RT: 14.95 min Scan# 1125
Delta R.T. -0.02 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:252 Resp: 1067416

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	12.2	6.1	9.1#



Instrument :
BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSE

Manual Integrations APPROVED
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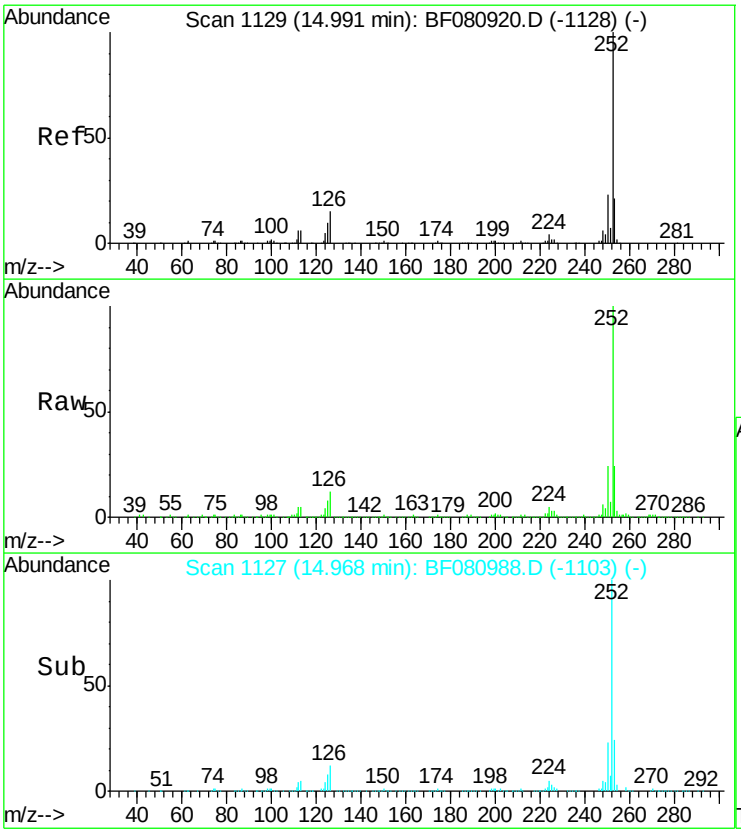
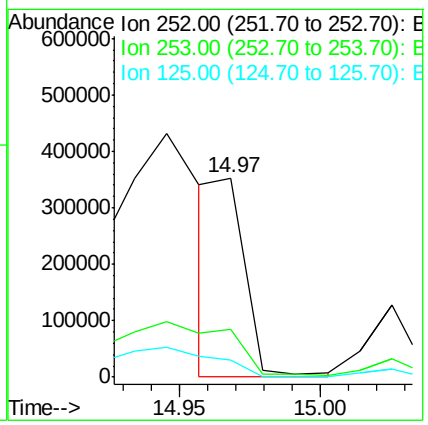
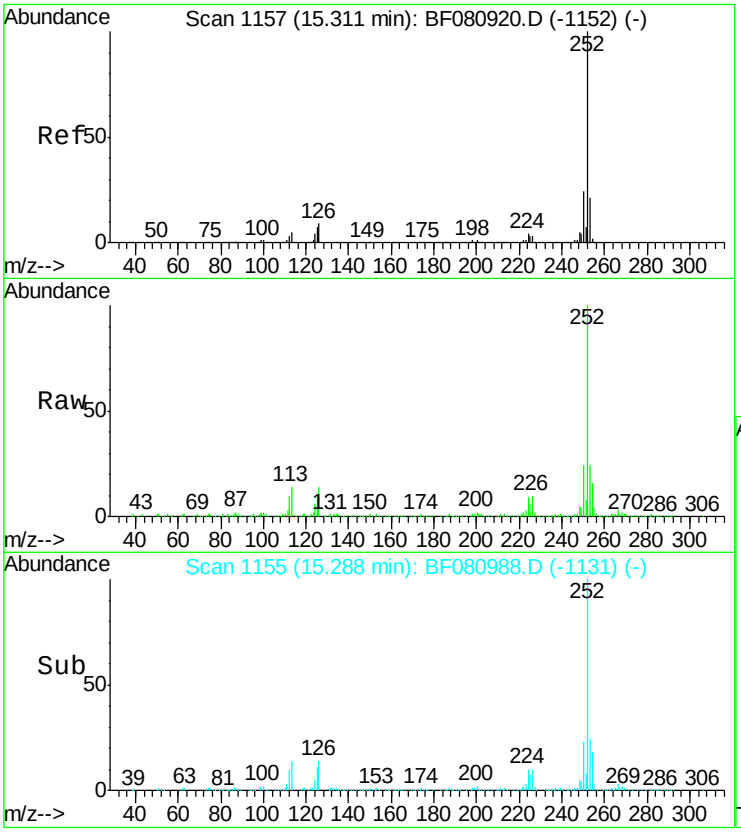


#88
Benzo(k)fluoranthene
Concen: 84.99 ng m
RT: 14.97 min Scan# 1127
Delta R.T. -0.02 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:252 Resp: 259674

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.4	26.2
125	8.4	9.0	13.6#

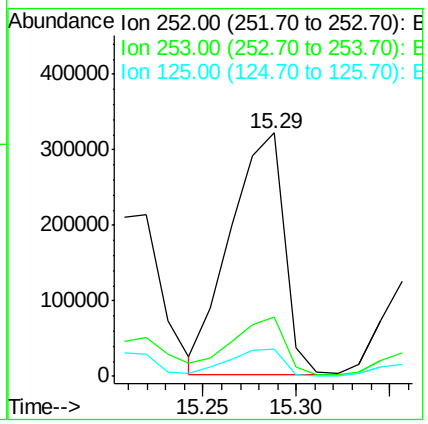




#89
Benzo(a)pyrene
Concen: 215.00 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.02 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:252 Resp: 645392

Ion	Ratio	Lower	Upper
252	100		
253	24.2	16.9	25.3
125	11.3	5.8	8.8#



Instrument :
BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSE

Manual Integrations APPROVED
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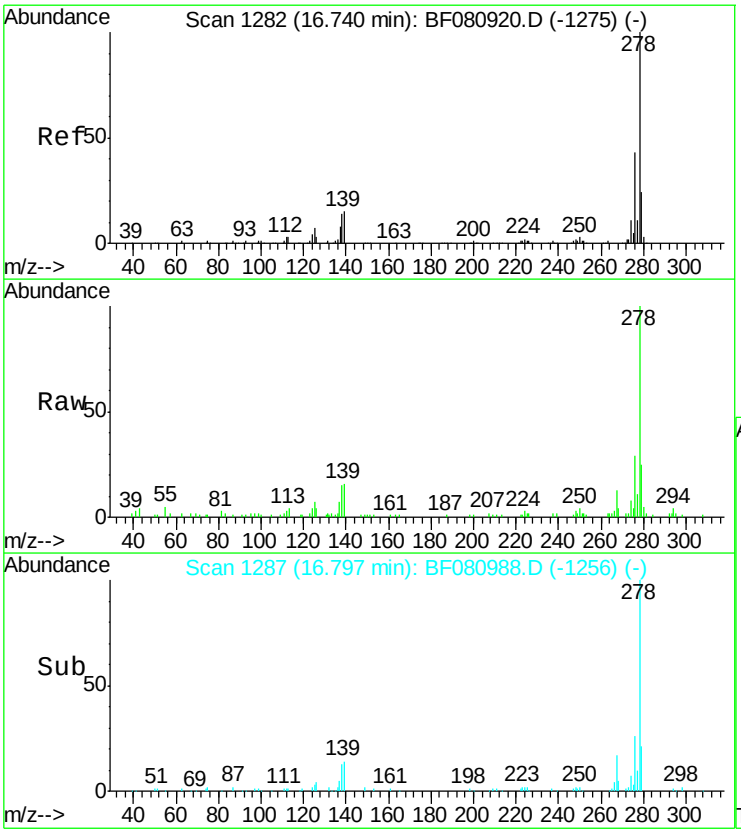
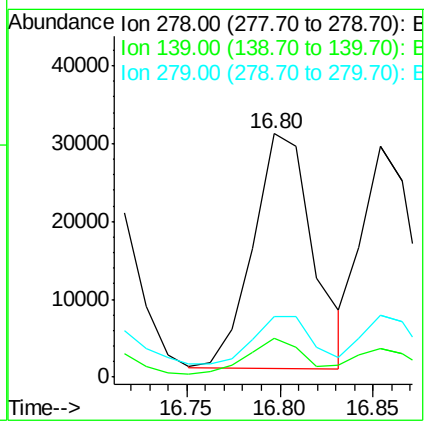
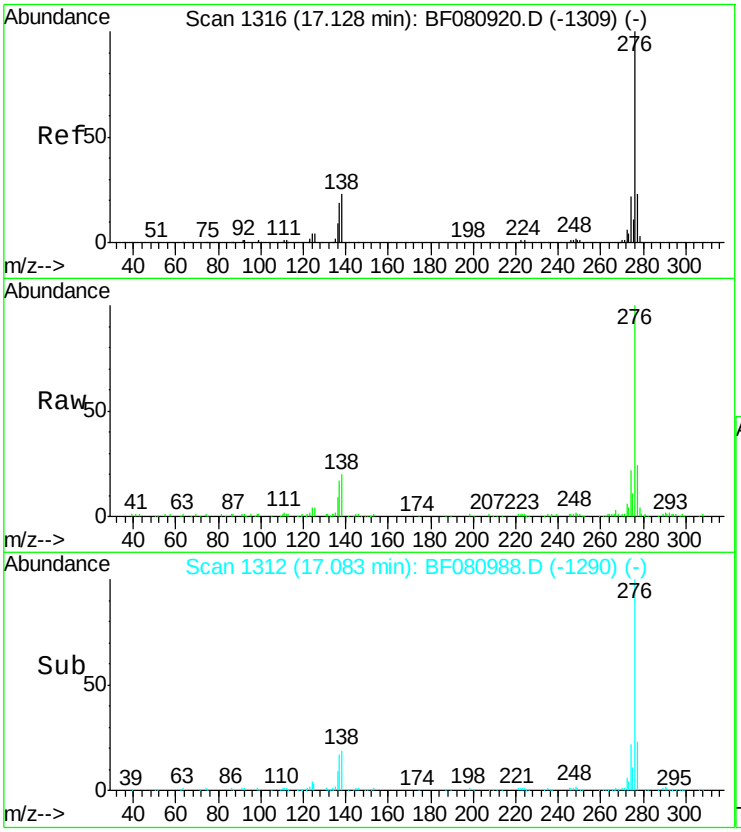


#90
Dibenzo(a,h)anthracene
Concen: 25.52 ng
RT: 16.80 min Scan# 1287
Delta R.T. 0.06 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:278 Resp: 67761

Ion	Ratio	Lower	Upper
278	100		
139	16.0	11.9	17.9
279	25.0	19.0	28.6

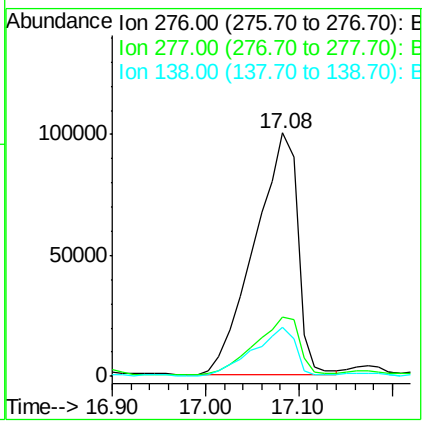




#91
Benzo(g,h,i)perylene
Concen: 124.24 ng
RT: 17.08 min Scan# 1312
Delta R.T. -0.05 min
Lab File: BF080988.D
Acq: 13 Aug 2015 19:06

Tgt Ion:276 Resp: 320846

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.6	28.0
138	19.9	18.4	27.6



Instrument :
BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSE

Manual Integrations APPROVED
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