Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085613.D
Acq On : 20 Mar 2016 12:12
Operator : UM/SJ
Sample : H1796-12DL 250X
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB12(11-15)DL

Manual Integrations APPROVED
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3/21/2016 5:08:46 PM

Quant Time: Mar 21 05:46:59 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 18 23:31:39 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	132003	20.00	ng		-0.01
21) Naphthalene-d8	8.14	136	551344	20.00	ng		0.00
38) Acenaphthene-d10	9.89	164	239875	20.00	ng		-0.01
63) Phenanthrene-d10	11.37	188	422164	20.00	ng		-0.01
75) Chrysene-d12	14.01	240	274194	20.00	ng		0.00
86) Perylene-d12	15.44	264	244979	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.45	112	1512	0.19	ng		0.00
7) Phenol-d6	6.48	99	3248	0.32	ng		-0.01
23) Nitrobenzene-d5	7.42	82	1779	0.19	ng		-0.01
41) 2,4,6-Tribromophenol	10.69	330	570	0.24	ng		0.00
44) 2-Fluorobiphenyl	9.21	172	5129	-1.00	ng		-0.01
78) Terphenyl-d14	12.95	244	3387	0.30	ng		-0.01
Target Compounds							Qvalue
10) Phenol	6.49	94	61690	5.37	ng		89
20) 3+4-Methylphenols	7.26	107	32505	3.72	ng	#	59
31) Naphthalene	8.16	128	1761072	63.28	ng		99
37) 2-Methylnaphthalene	8.85	142	219725	12.95	ng		97
45) 1,1'-Biphenyl	9.32	154	65005	3.14	ng		93
48) Acenaphthylene	9.75	152	416713	17.04	ng		99
54) Dibenzofuran	10.09	168	253062	13.54	ng		96
57) Fluorene	10.44	166	265882	17.07	ng		99
70) Phenanthrene	11.41	178	952881	42.81	ng		99
71) Anthracene	11.45	178	405709	17.38	ng		98
72) Carbazole	11.60	167	131795	6.55	ng		98
74) Fluoranthene	12.58	202	544376	23.36	ng		96
77) Pyrene	12.81	202	407955	20.72	ng		100
80) Benzo(a)anthracene	14.00	228	201741	12.67	ng	#	79
82) Chrysene	14.04	228	105486m	6.89	ng		
85) Indeno(1,2,3-cd)pyrene	16.83	276	50201m	3.92	ng		
87) Benzo(b)fluoranthene	15.03	252	140164m	8.77	ng		
88) Benzo(k)fluoranthene	15.05	252	55350m	4.20	ng		
89) Benzo(a)pyrene	15.37	252	114695	8.46	ng		98
91) Benzo(g,h,i)perylene	17.25	276	41628	3.81	ng		98

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

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BNA_F
ClientSampleId :
AOU2-SB12(11-15)DL

Manual Integrations APPROVED
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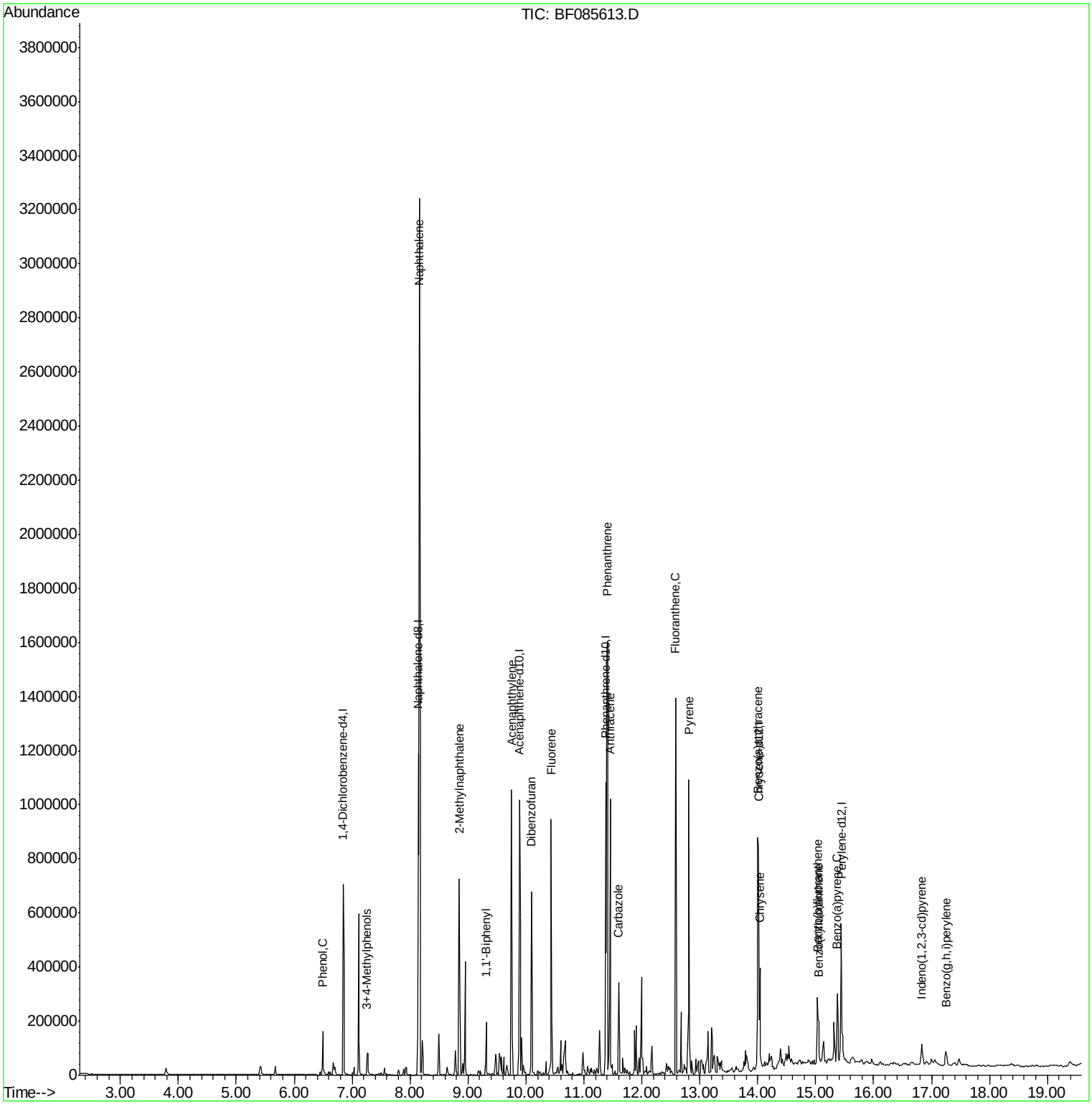
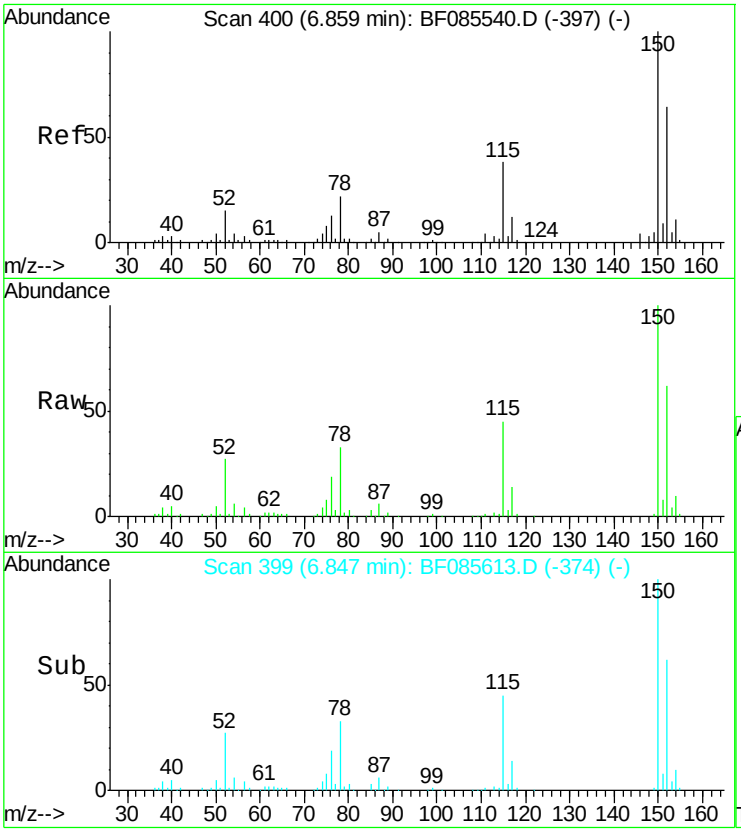
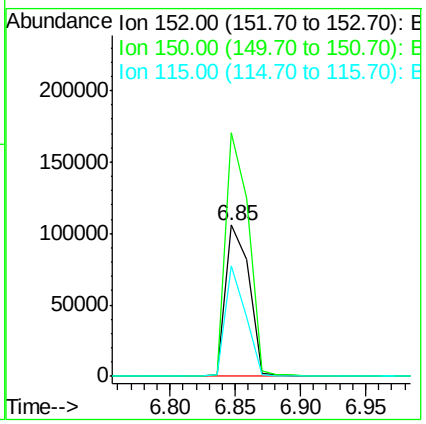




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 399
Delta R.T. -0.01 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion:152 Resp: 132003

Ion	Ratio	Lower	Upper
152	100		
150	161.0	124.2	186.2
115	73.1	47.0	70.6#



Instrument :
BNA_F
ClientSampleId :
AOU2-SB12(11-15)DL

Manual Integrations APPROVED
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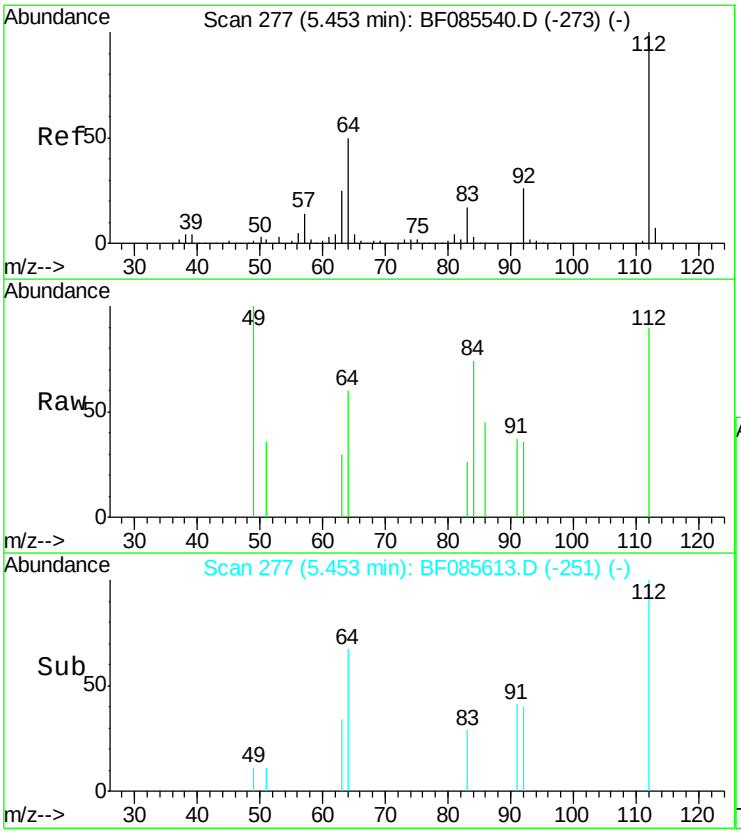
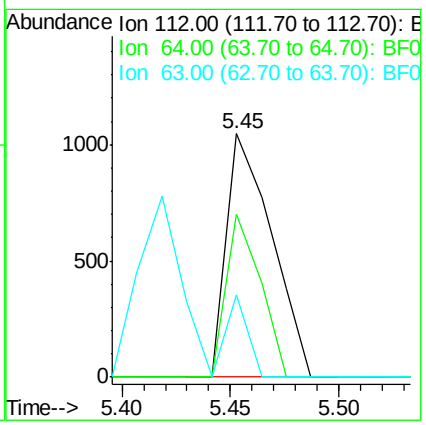
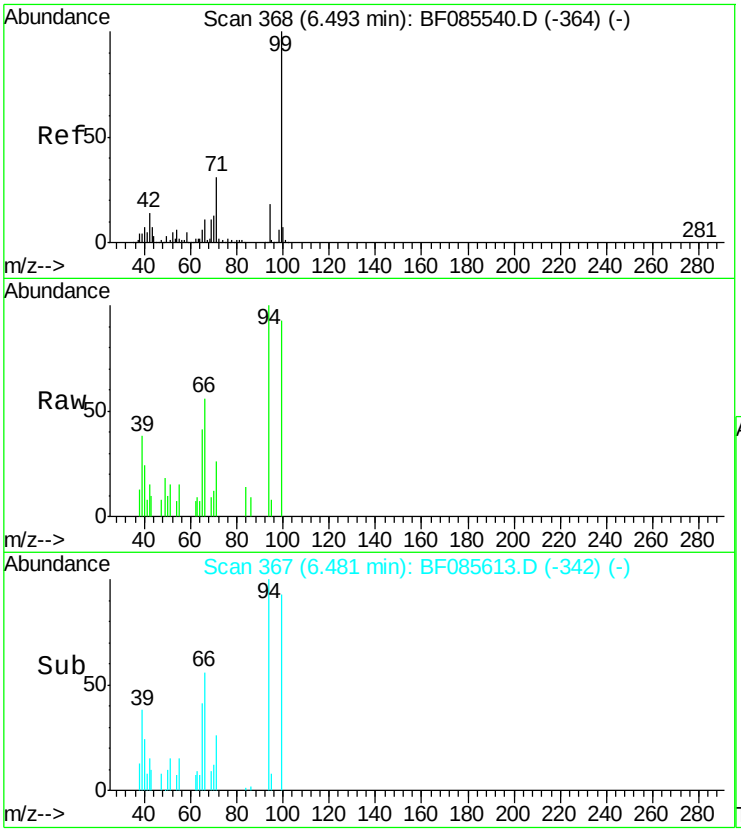


#5
2-Fluorophenol
Concen: 0.19 ng
RT: 5.45 min Scan# 277
Delta R.T. 0.00 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion:112 Resp: 1512

Ion	Ratio	Lower	Upper
112	100		
64	67.0	39.9	59.9#
63	33.8	20.2	30.2#

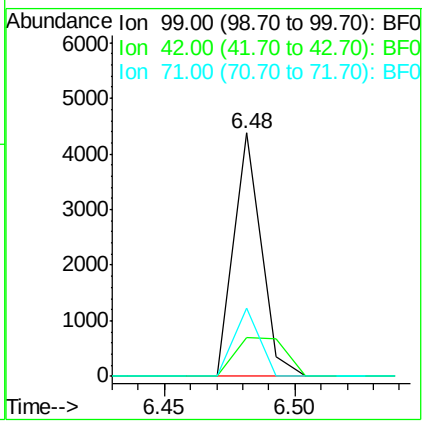




#7
Phenol-d6
Concen: 0.32 ng
RT: 6.48 min Scan# 367
Delta R.T. -0.01 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion: 99 Resp: 3248

Ion	Ratio	Lower	Upper
99	100		
42	15.8	11.1	16.7
71	28.2	24.9	37.3



Instrument :
BNA_F
ClientSampleId :
AOU2-SB12(11-15)DL

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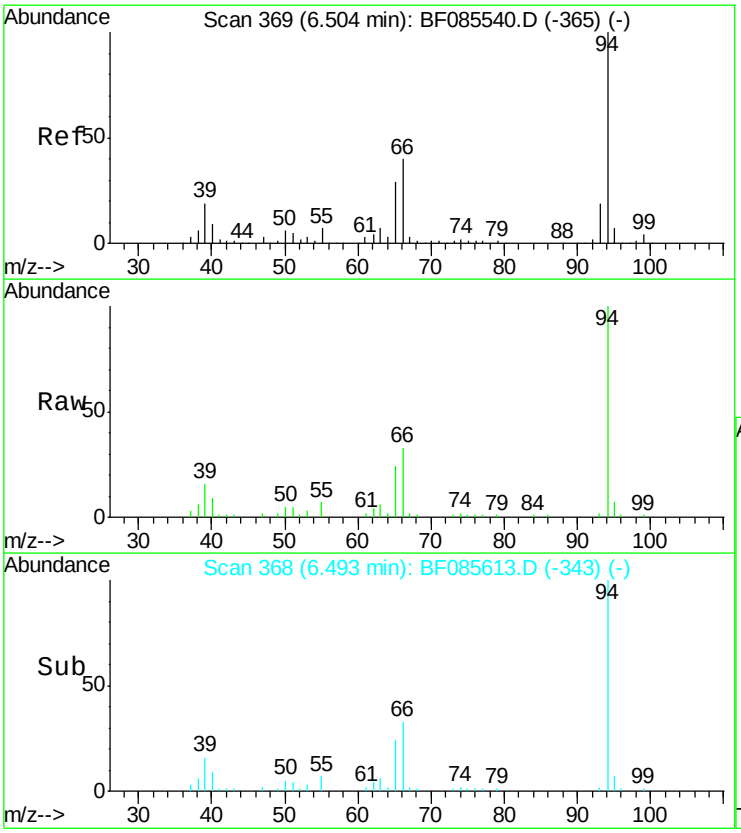
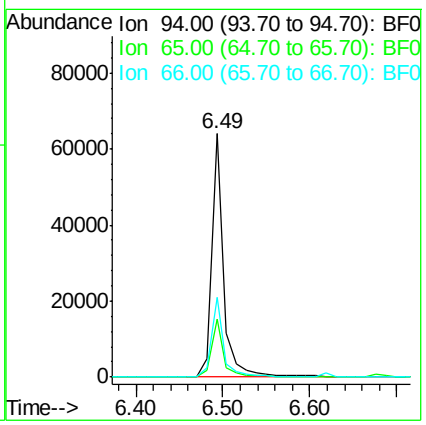
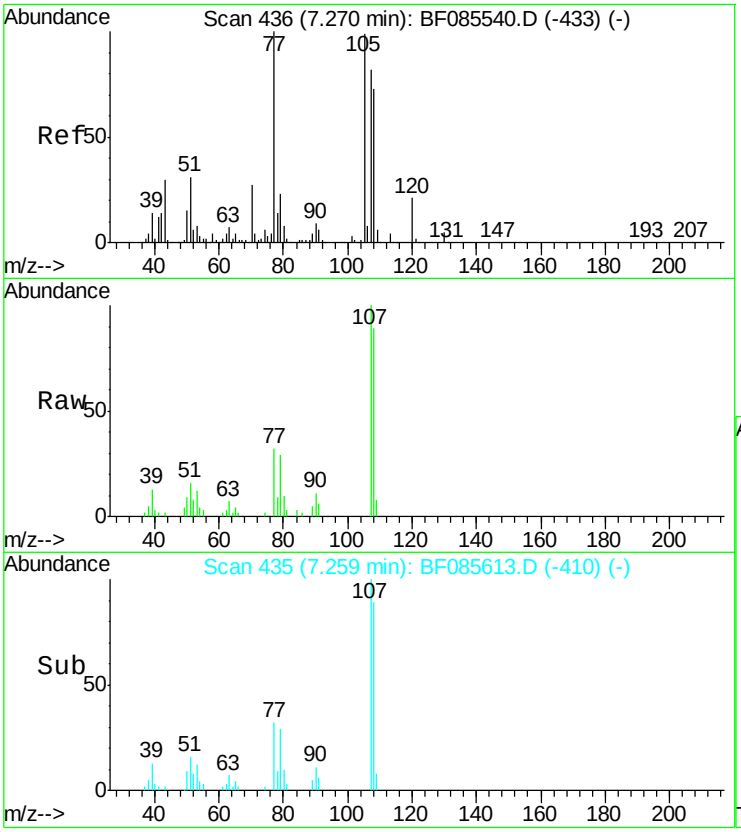


#10
Phenol
Concen: 5.37 ng
RT: 6.49 min Scan# 368
Delta R.T. -0.01 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion: 94 Resp: 61690

Ion	Ratio	Lower	Upper
94	100		
65	23.8	8.6	48.6
66	32.7	20.0	60.0

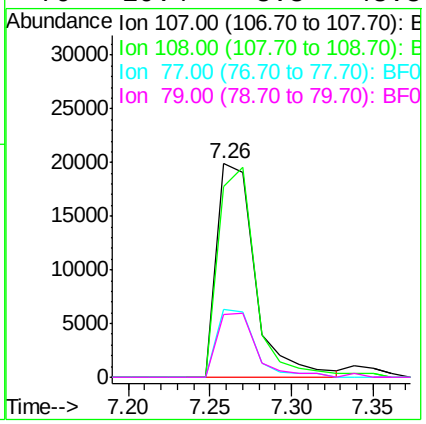




#20
3+4-Methylphenols
Concen: 3.72 ng
RT: 7.26 min Scan# 435
Delta R.T. -0.01 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion:107 Resp: 32505

Ion	Ratio	Lower	Upper
107	100		
108	89.2	69.3	109.3
77	31.7	101.7	141.7#
79	29.4	8.3	48.3



Instrument :
BNA_F
ClientSampleId :
AOU2-SB12(11-15)DL

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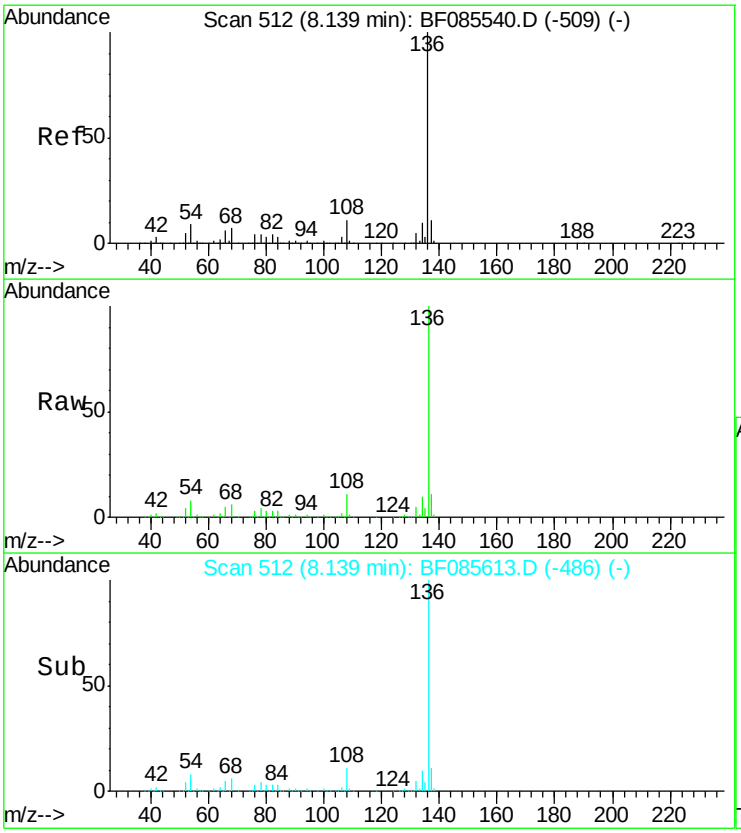
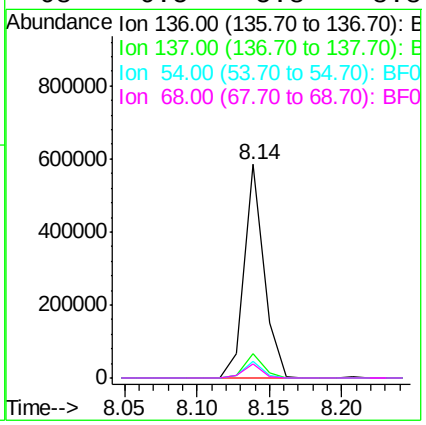
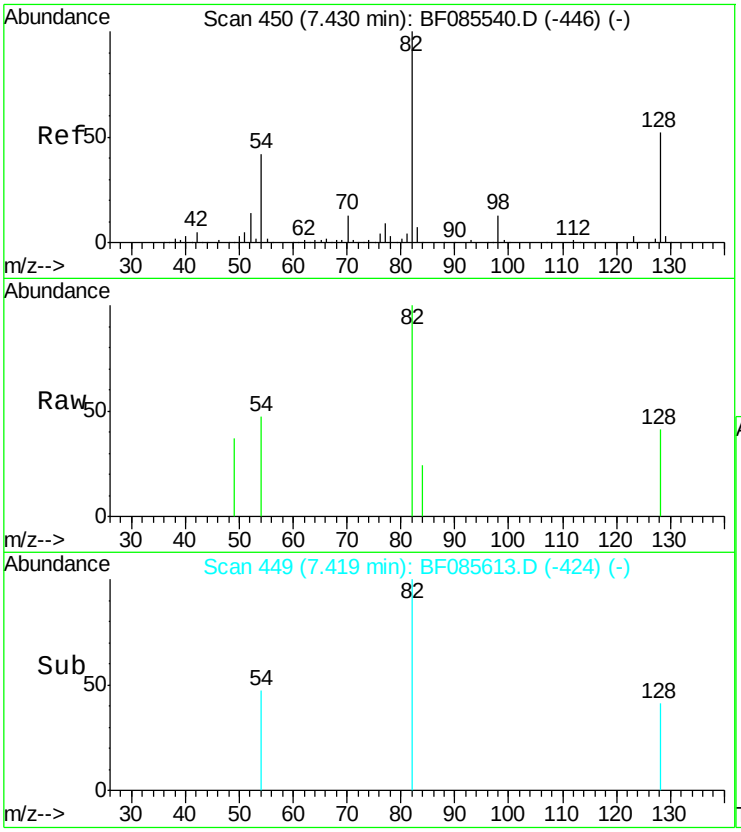


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 512
Delta R.T. 0.00 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion:136 Resp: 551344

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	7.5	7.4	11.0
68	6.5	5.8	8.8

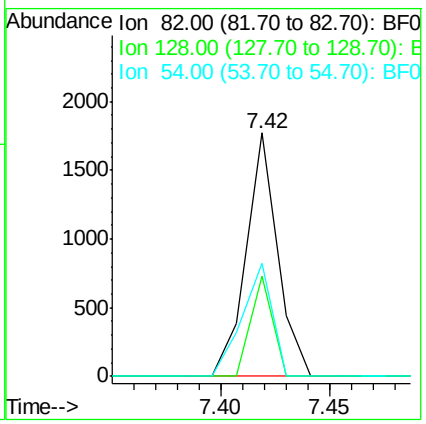




#23
Nitrobenzene-d5
Concen: 0.19 ng
RT: 7.42 min Scan# 449
Delta R.T. -0.01 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion: 82 Resp: 1779

Ion	Ratio	Lower	Upper
82	100		
128	41.3	41.8	62.8#
54	46.7	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
AOU2-SB12(11-15)DL

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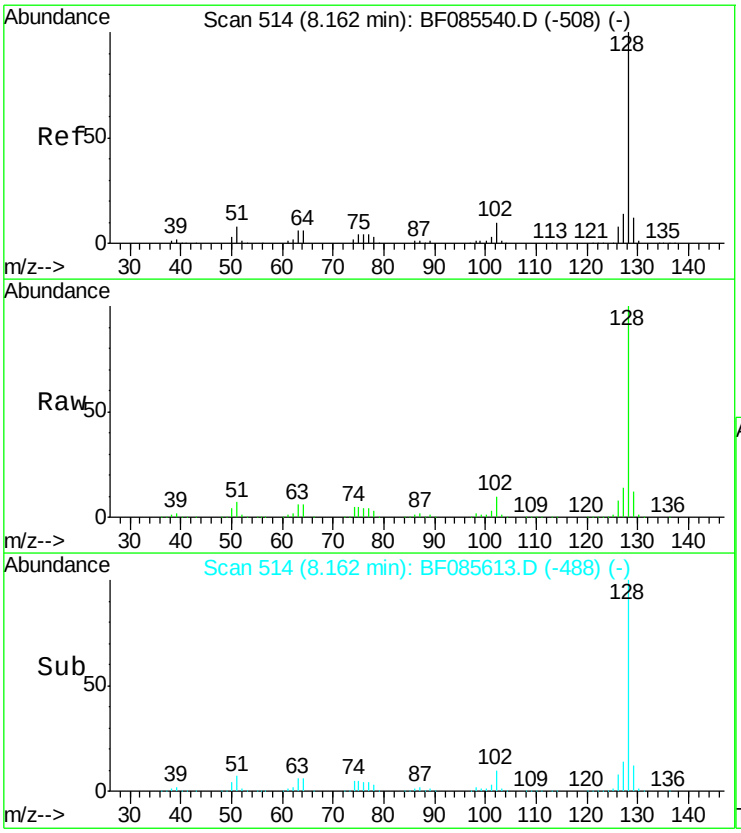
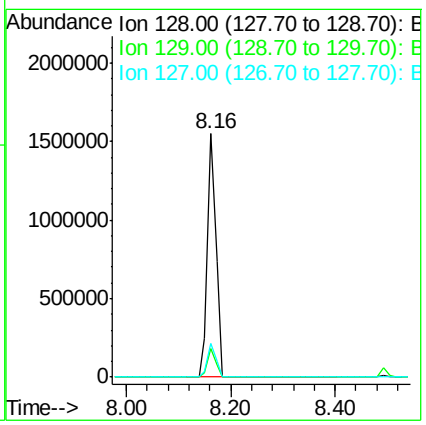
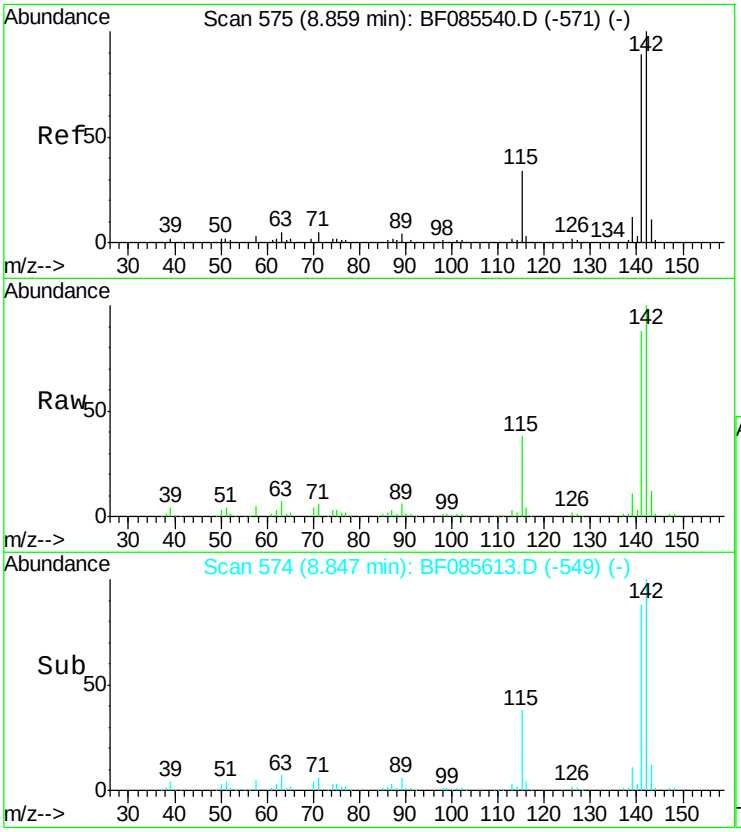


#31
Naphthalene
Concen: 63.28 ng
RT: 8.16 min Scan# 514
Delta R.T. 0.00 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion:128 Resp: 1761072

Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.4	14.0
127	14.1	11.0	16.6

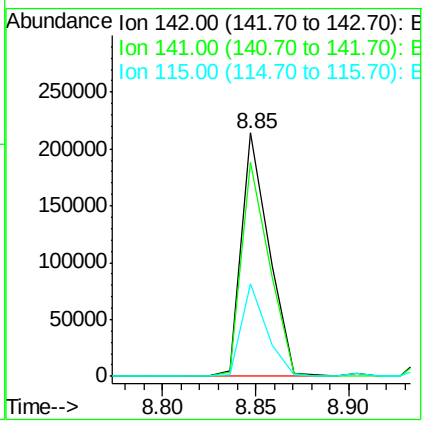




#37
2-Methylnaphthalene
Concen: 12.95 ng
RT: 8.85 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion:142 Resp: 219725

Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.6	107.4
115	38.0	26.8	40.2



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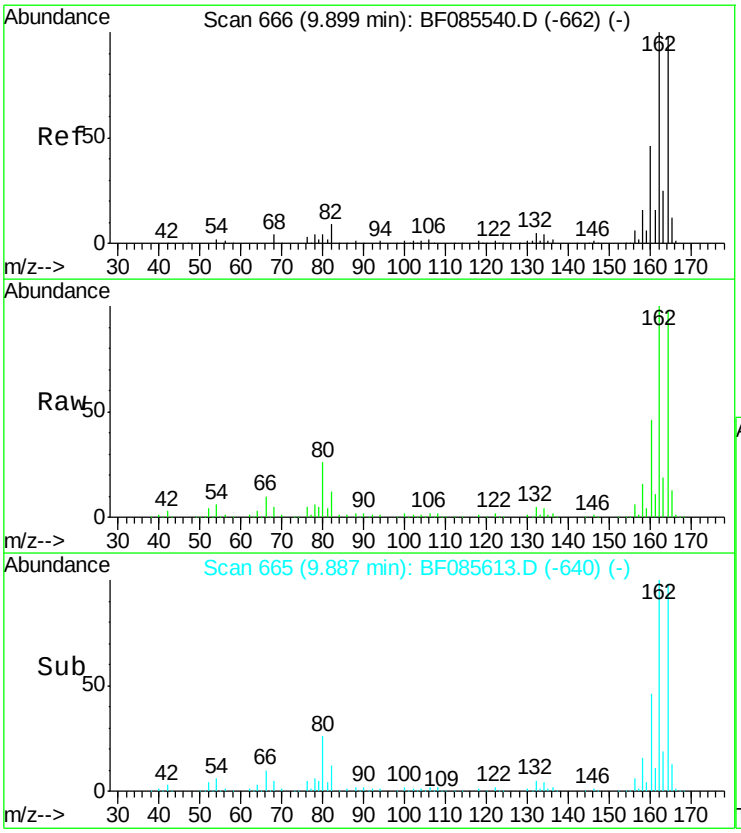
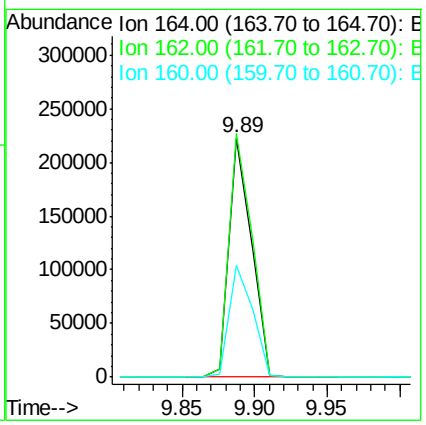
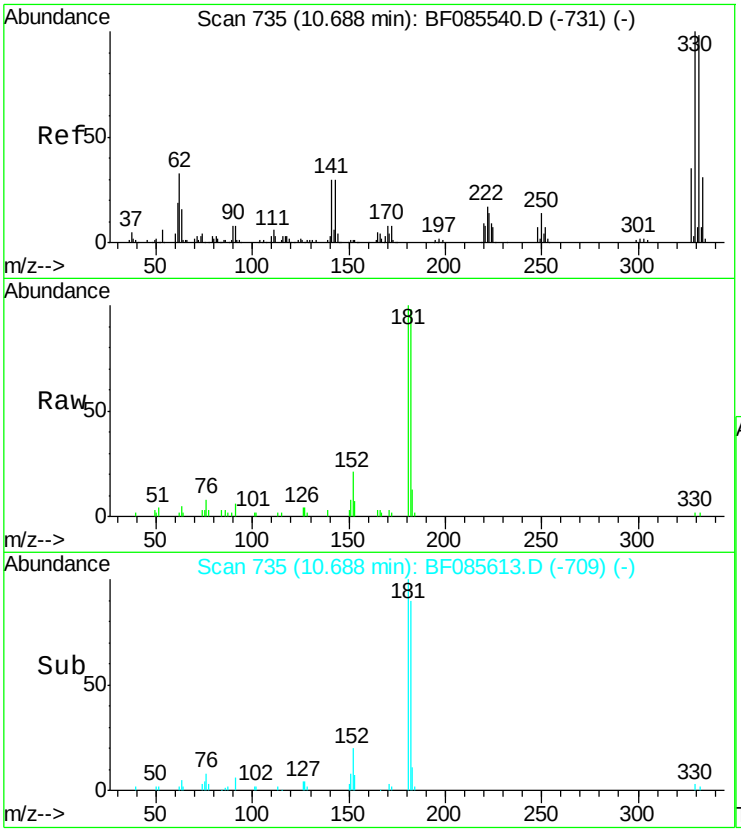


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 665
Delta R.T. -0.01 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion:164 Resp: 239875

Ion	Ratio	Lower	Upper
164	100		
162	101.9	82.1	123.1
160	47.0	37.4	56.2

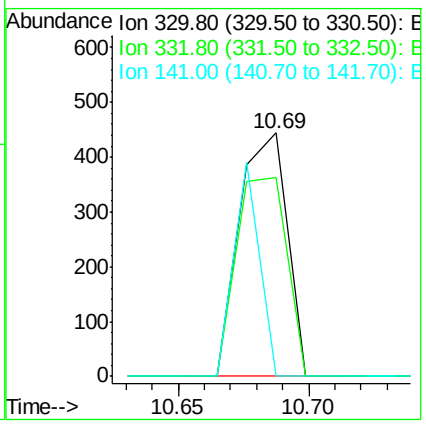




#41
2,4,6-Tribromophenol
Concen: 0.24 ng
RT: 10.69 min Scan# 735
Delta R.T. 0.00 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion:330 Resp: 570

Ion	Ratio	Lower	Upper
330	100		
332	86.5	78.2	117.2
141	47.2	31.5	47.3



Instrument :
BNA_F
ClientSampleId :
AOU2-SB12(11-15)DL

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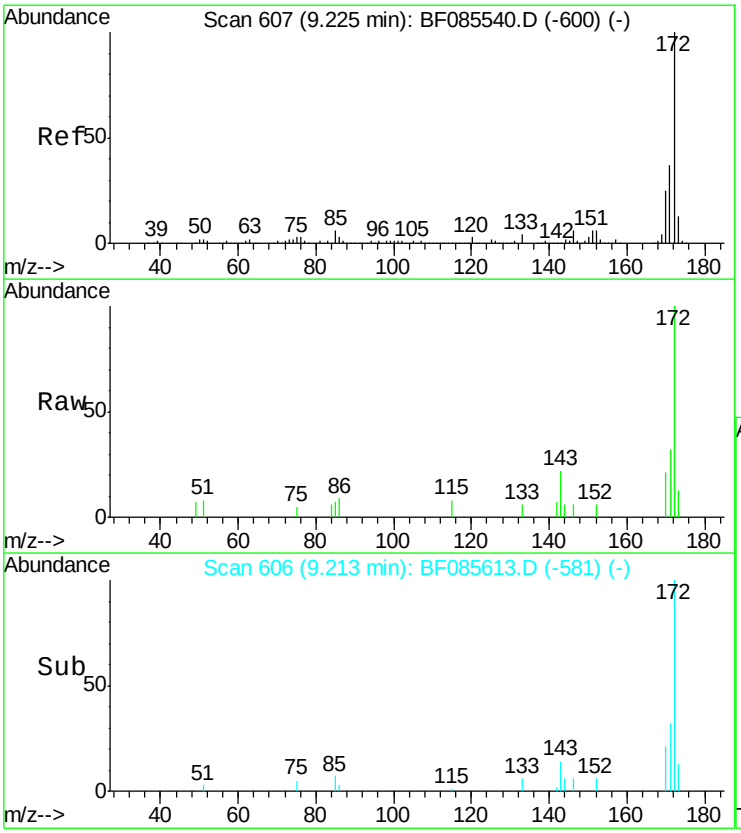
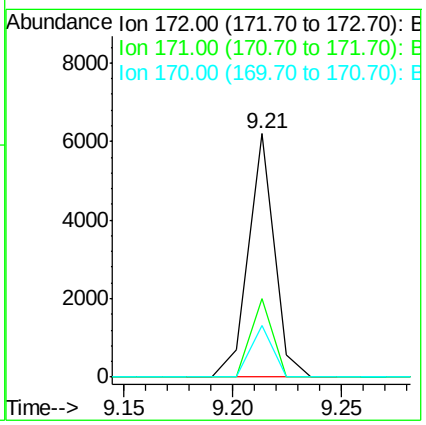
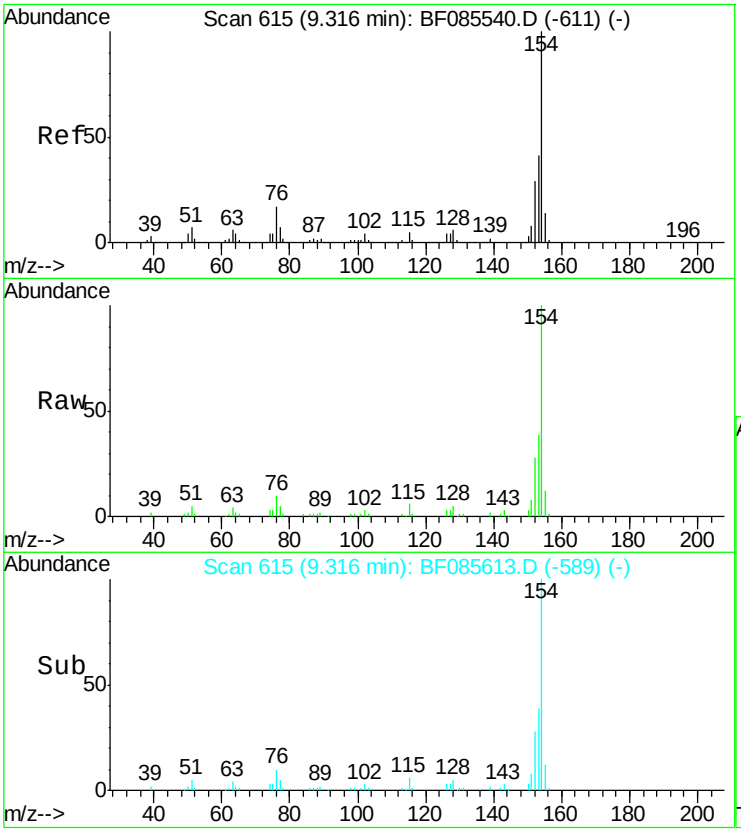


#44
2-Fluorobiphenyl
Concen: -1.00 ng
RT: 9.21 min Scan# 606
Delta R.T. -0.01 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion:172 Resp: 5129

Ion	Ratio	Lower	Upper
172	100		
171	32.0	29.4	44.2
170	21.1	19.8	29.6

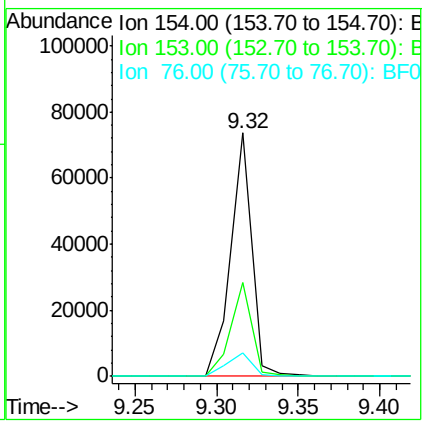




#45
1,1'-Biphenyl
Concen: 3.14 ng
RT: 9.32 min Scan# 615
Delta R.T. 0.00 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion:154 Resp: 65005

Ion	Ratio	Lower	Upper
154	100		
153	38.6	20.8	60.8
76	9.6	0.0	36.7



Instrument :
BNA_F
ClientSampleId :
AOU2-SB12(11-15)DL

Manual Integrations APPROVED
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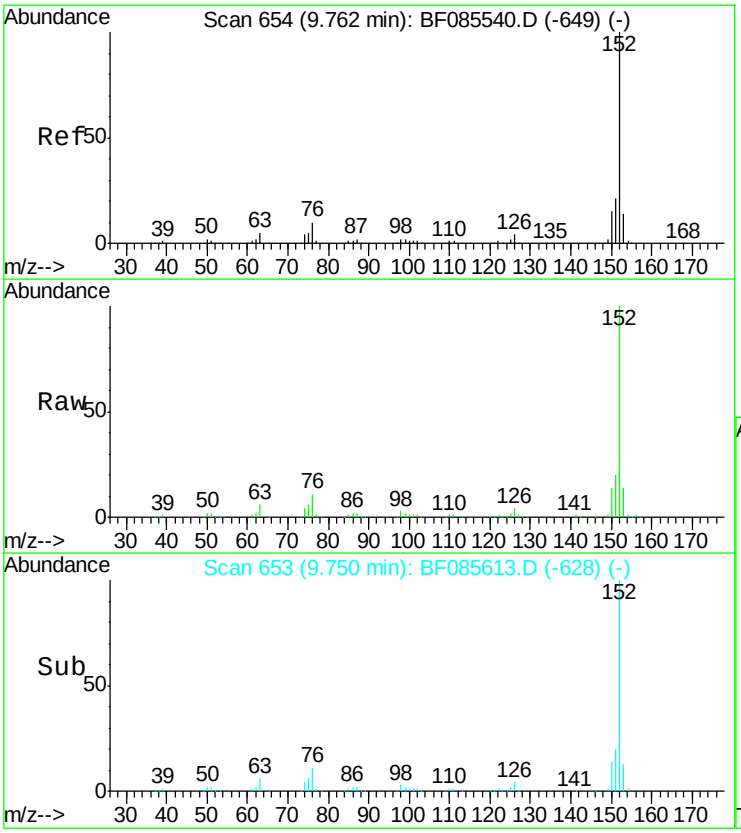
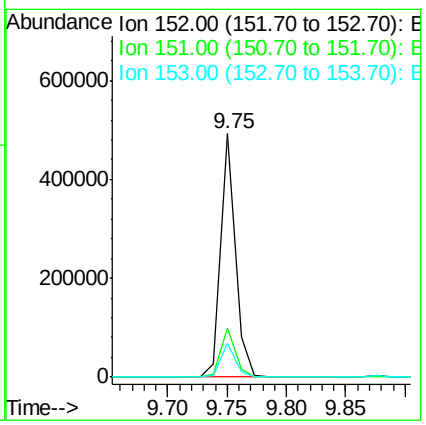
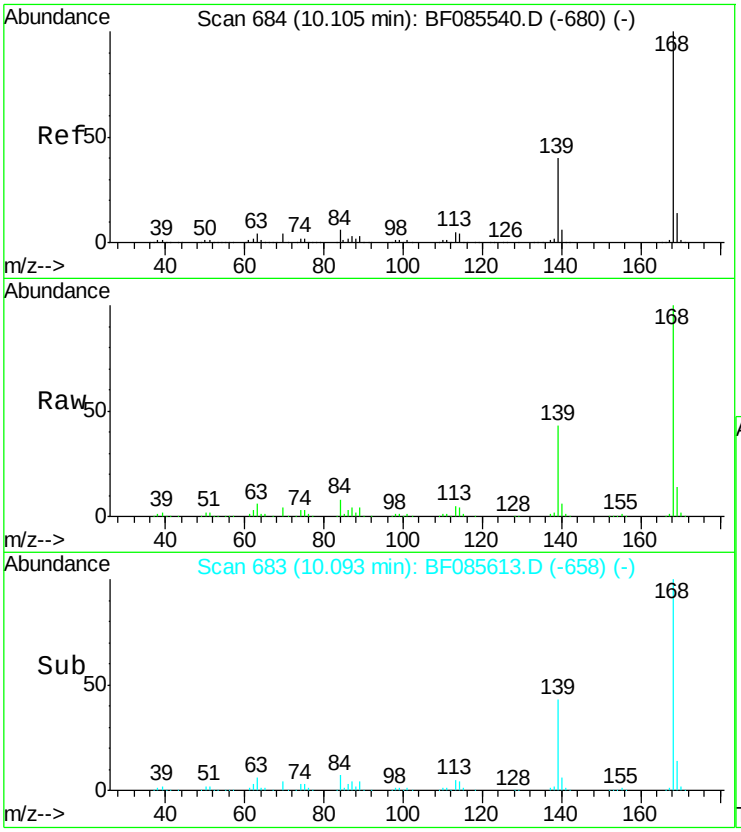


#48
Acenaphthylene
Concen: 17.04 ng
RT: 9.75 min Scan# 653
Delta R.T. -0.01 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion:152 Resp: 416713

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.8	25.2
153	13.6	10.9	16.3

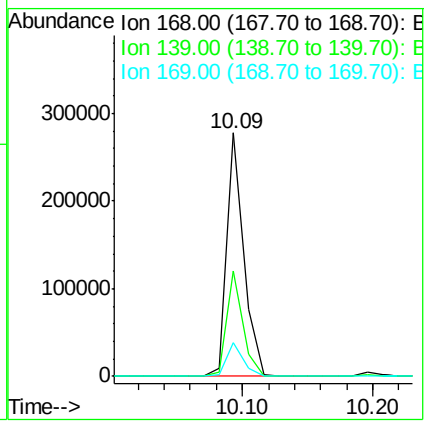




#54
Dibenzofuran
Concen: 13.54 ng
RT: 10.09 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion:168 Resp: 253062

Ion	Ratio	Lower	Upper
168	100		
139	43.1	31.9	47.9
169	13.8	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
AOU2-SB12(11-15)DL

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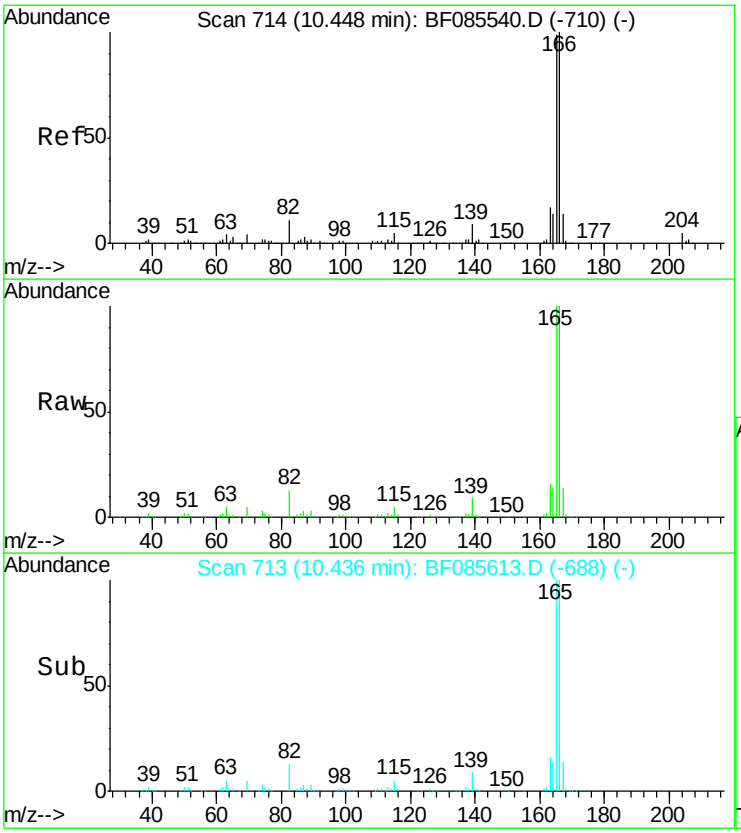
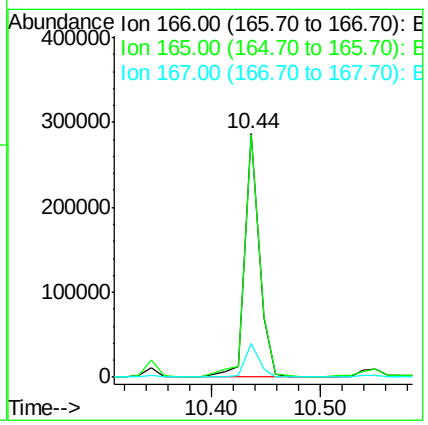
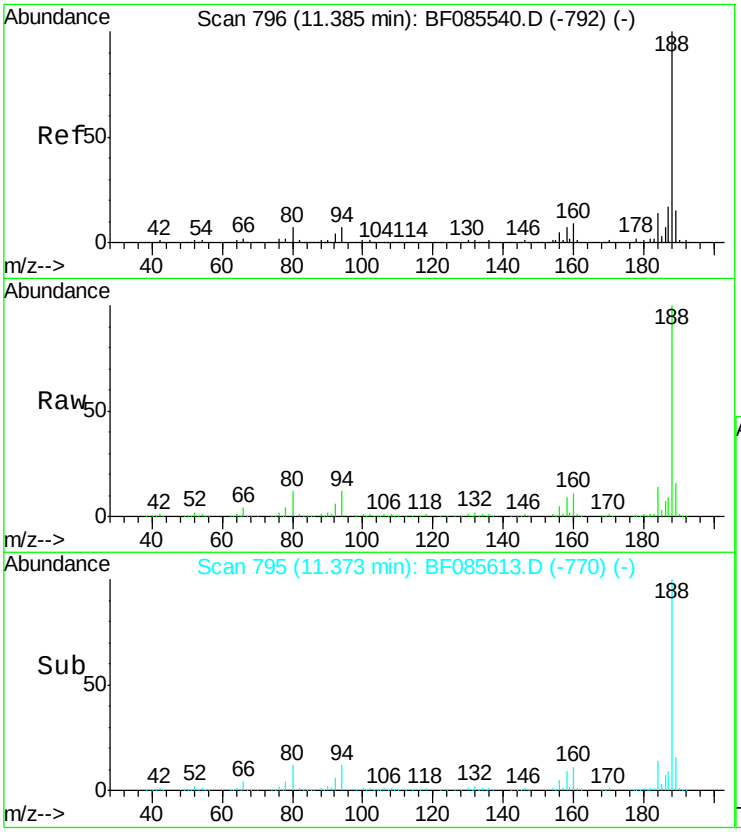


#57
Fluorene
Concen: 17.07 ng
RT: 10.44 min Scan# 713
Delta R.T. -0.01 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion:166 Resp: 265882

Ion	Ratio	Lower	Upper
166	100		
165	99.8	79.4	119.0
167	13.8	11.0	16.4

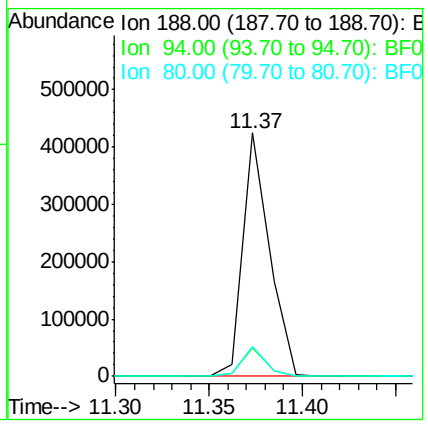




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion:188 Resp: 422164

Ion	Ratio	Lower	Upper
188	100		
94	11.6	5.4	8.0#
80	12.2	5.5	8.3#



Instrument :
BNA_F
ClientSampleId :
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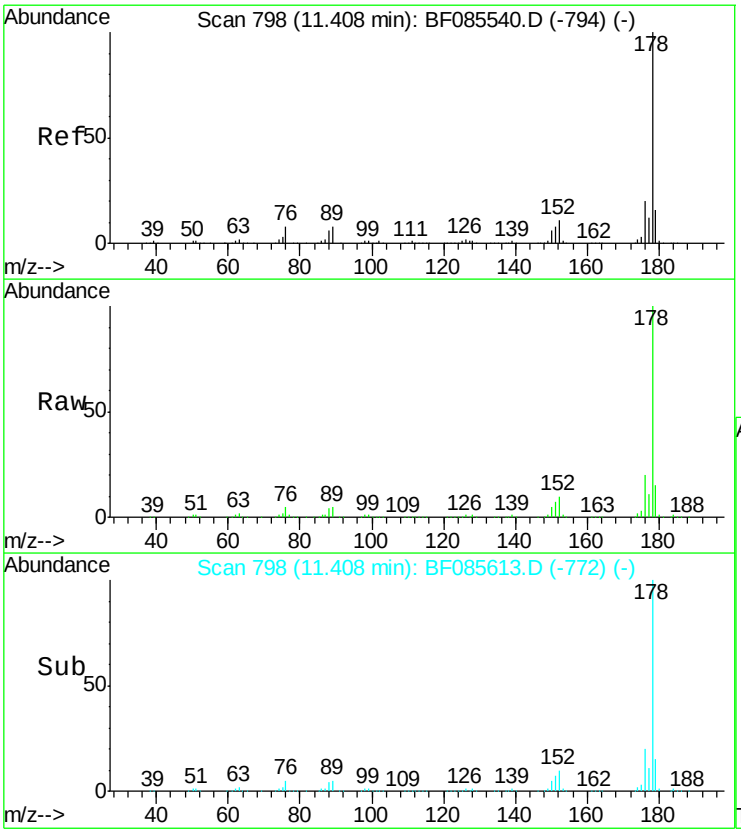
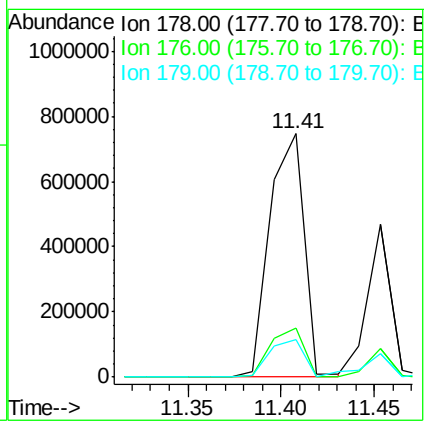
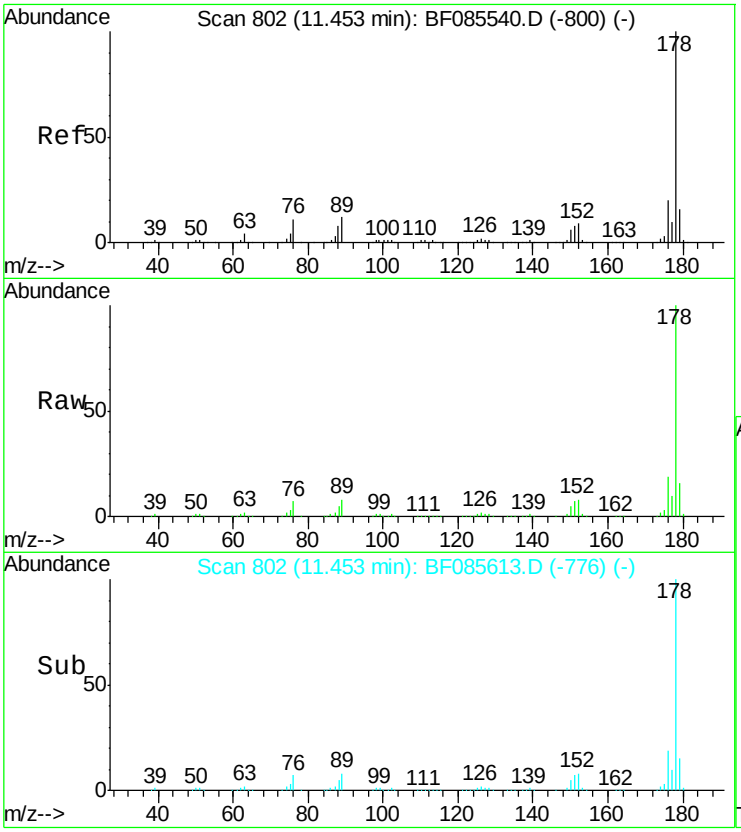


#70
Phenanthrene
Concen: 42.81 ng
RT: 11.41 min Scan# 798
Delta R.T. 0.00 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion:178 Resp: 952881

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.3	24.5
179	15.4	12.6	18.8

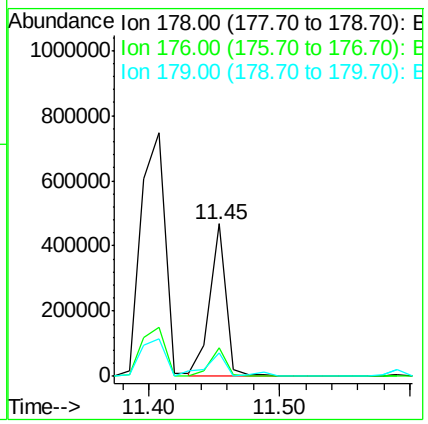




#71
Anthracene
Concen: 17.38 ng
RT: 11.45 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion:178 Resp: 405709

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.9	23.9
179	15.5	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
AOU2-SB12(11-15)DL

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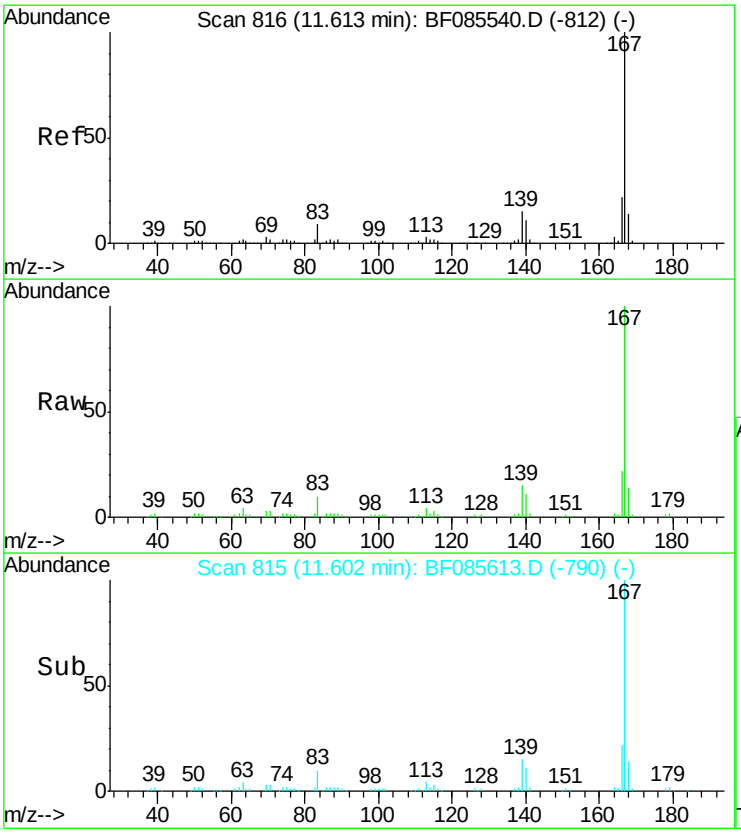
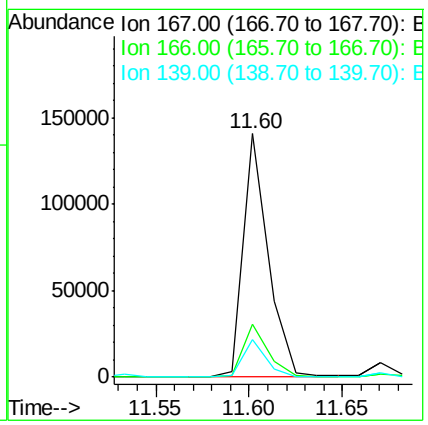
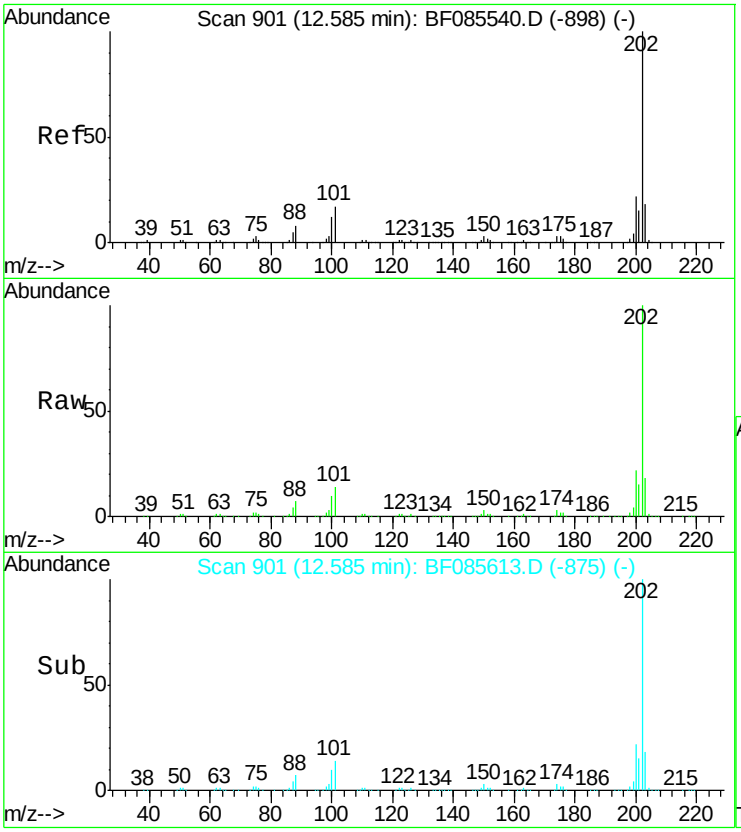


#72
Carbazole
Concen: 6.55 ng
RT: 11.60 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion:167 Resp: 131795

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.8	26.8
139	15.3	11.6	17.4

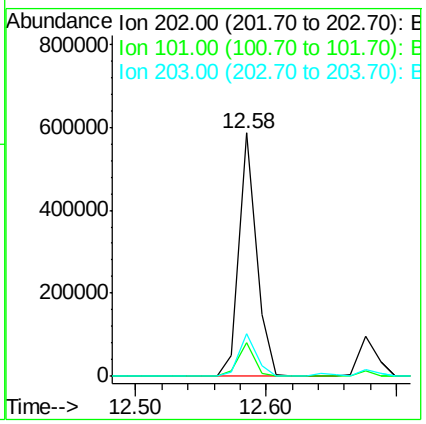




#74
Fluoranthene
Concen: 23.36 ng
RT: 12.58 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion:202 Resp: 544376

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	36.6
203	17.6	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
AOU2-SB12(11-15)DL

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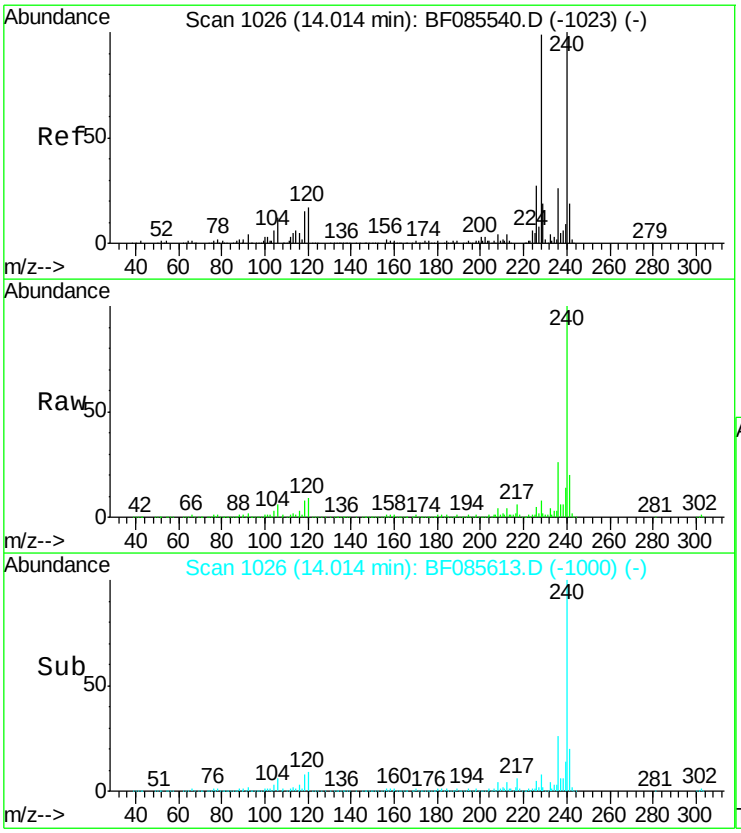
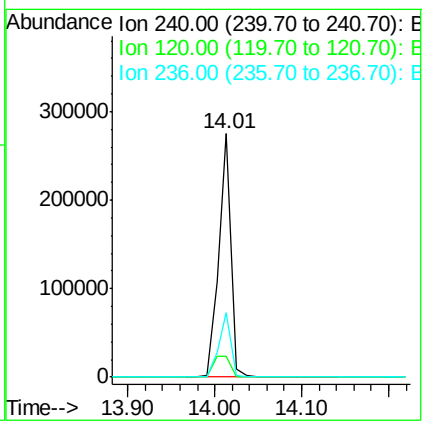
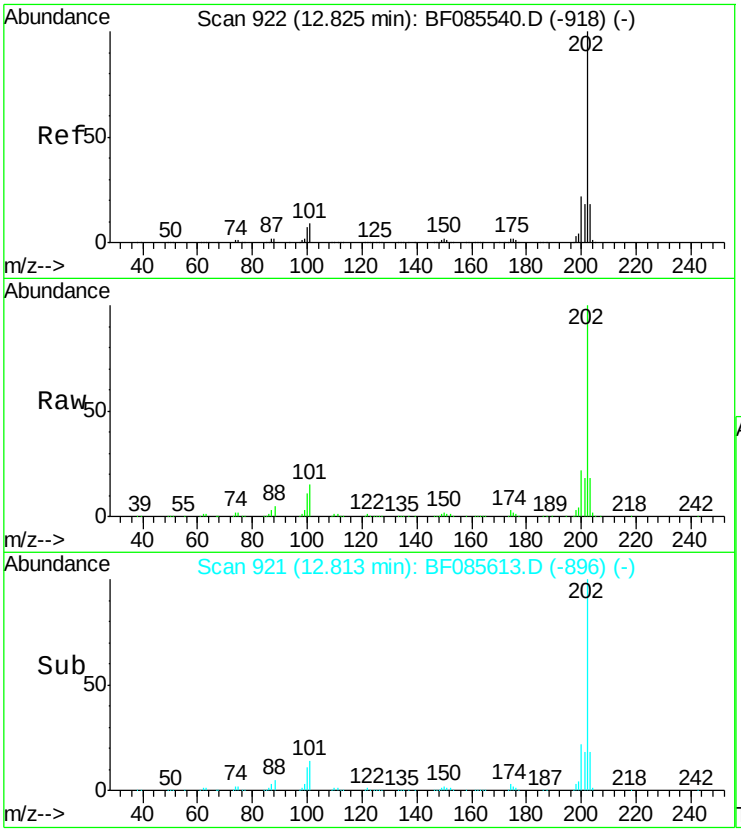


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion:240 Resp: 274194

Ion	Ratio	Lower	Upper
240	100		
120	8.8	13.8	20.8#
236	26.4	20.6	30.8

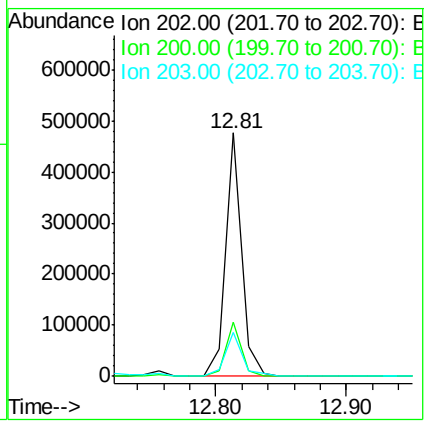




#77
Pyrene
Concen: 20.72 ng
RT: 12.81 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion:202 Resp: 407955

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.6	26.4
203	17.9	14.0	21.0



Instrument :
BNA_F
ClientSampleId :
AOU2-SB12(11-15)DL

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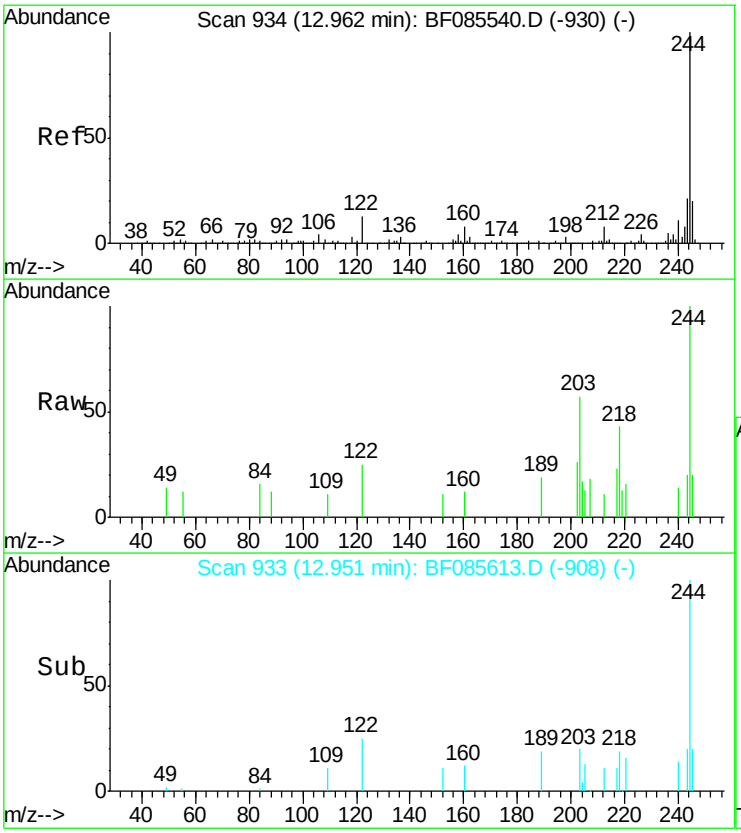
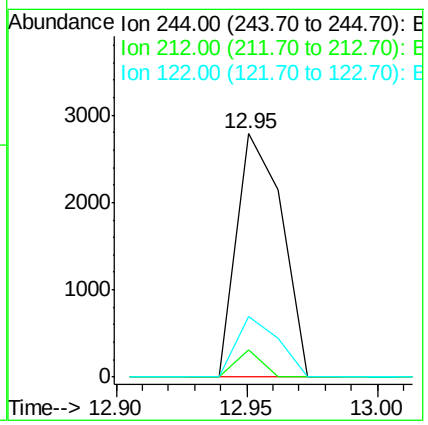
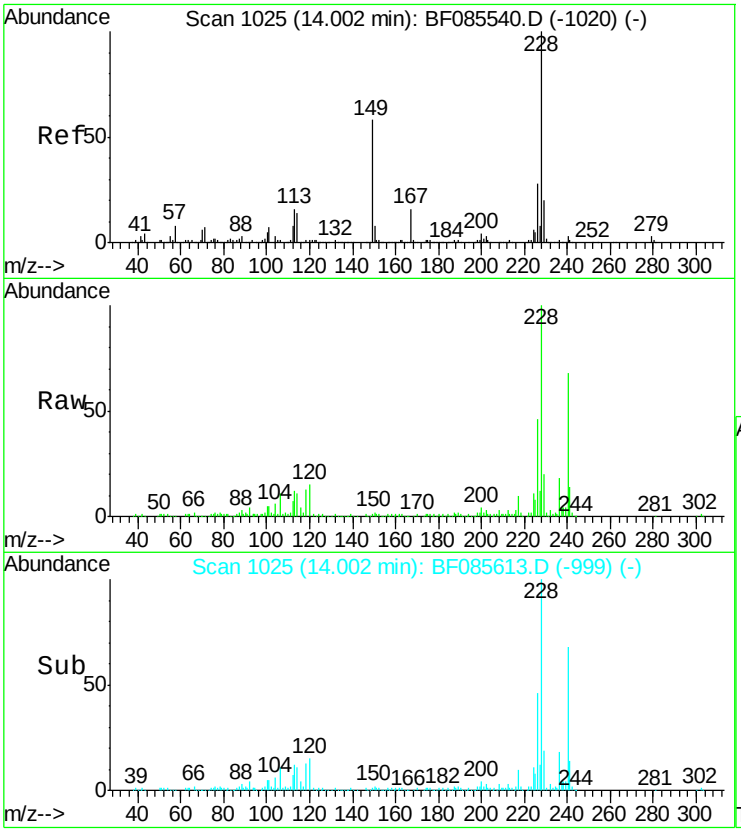


#78
Terphenyl-d14
Concen: 0.30 ng
RT: 12.95 min Scan# 933
Delta R.T. -0.01 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion:244 Resp: 3387

Ion	Ratio	Lower	Upper
244	100		
212	10.9	6.1	9.1#
122	24.9	10.2	15.4#

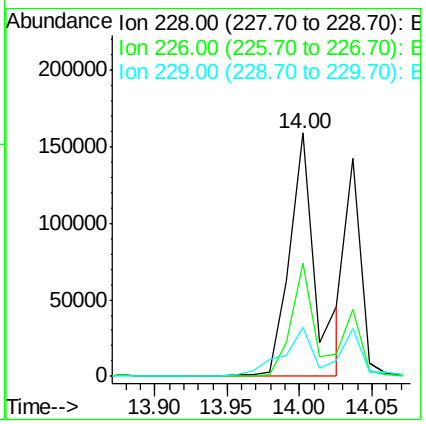




#80
Benzo(a)anthracene
Concen: 12.67 ng
RT: 14.00 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion:228 Resp: 201741

Ion	Ratio	Lower	Upper
228	100		
226	46.3	22.1	33.1#
229	19.9	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
AOU2-SB12(11-15)DL

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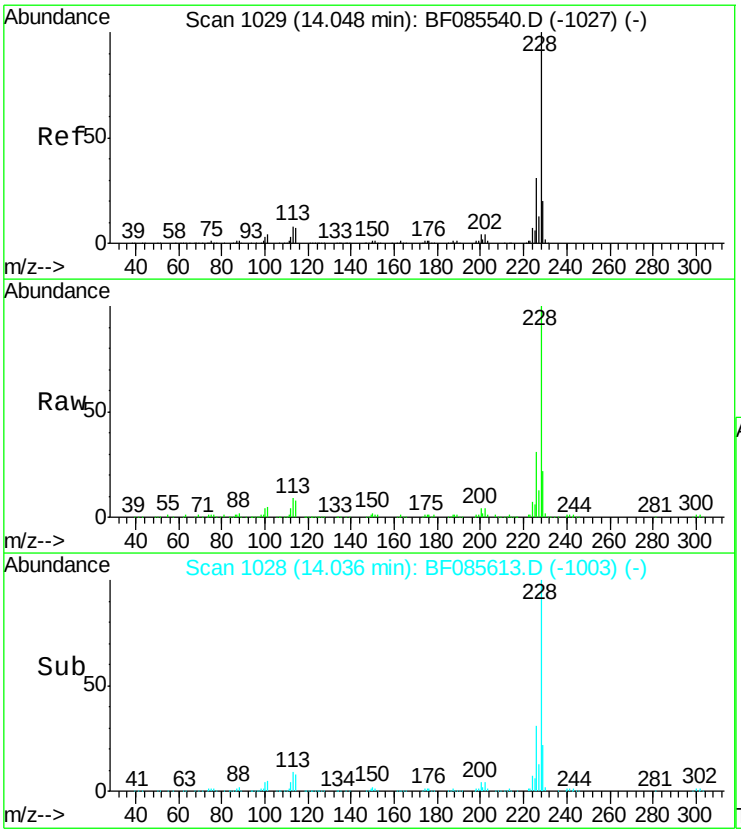
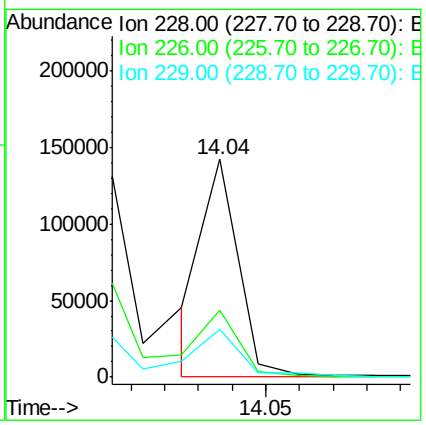
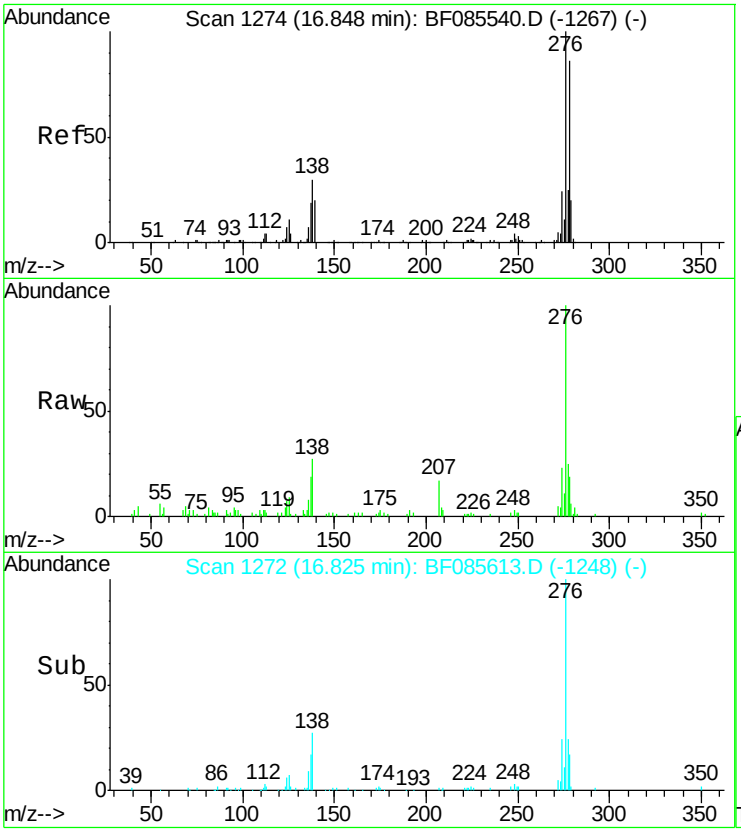


#82
Chrysene
Concen: 6.89 ng m
RT: 14.04 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion:228 Resp: 105486

Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	22.1	15.7	23.5

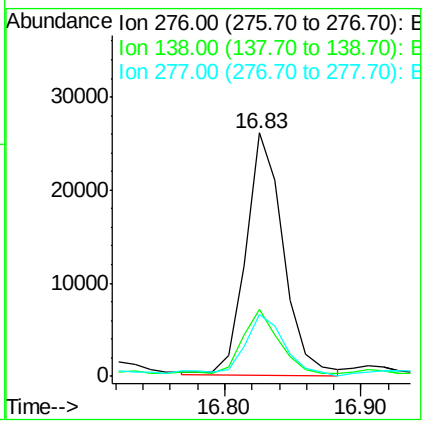




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.92 ng m
RT: 16.83 min Scan# 1272
Delta R.T. -0.02 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion:276 Resp: 50201

Ion	Ratio	Lower	Upper
276	100		
138	27.5	24.2	36.4
277	29.1	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
AOU2-SB12(11-15)DL

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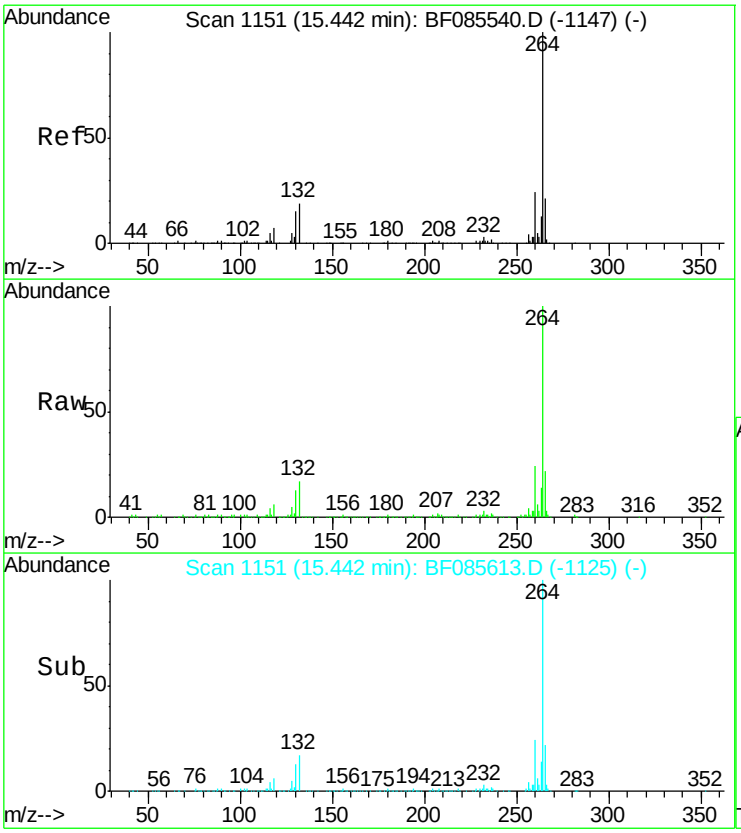
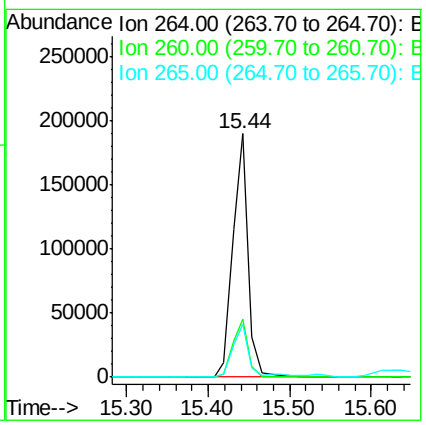
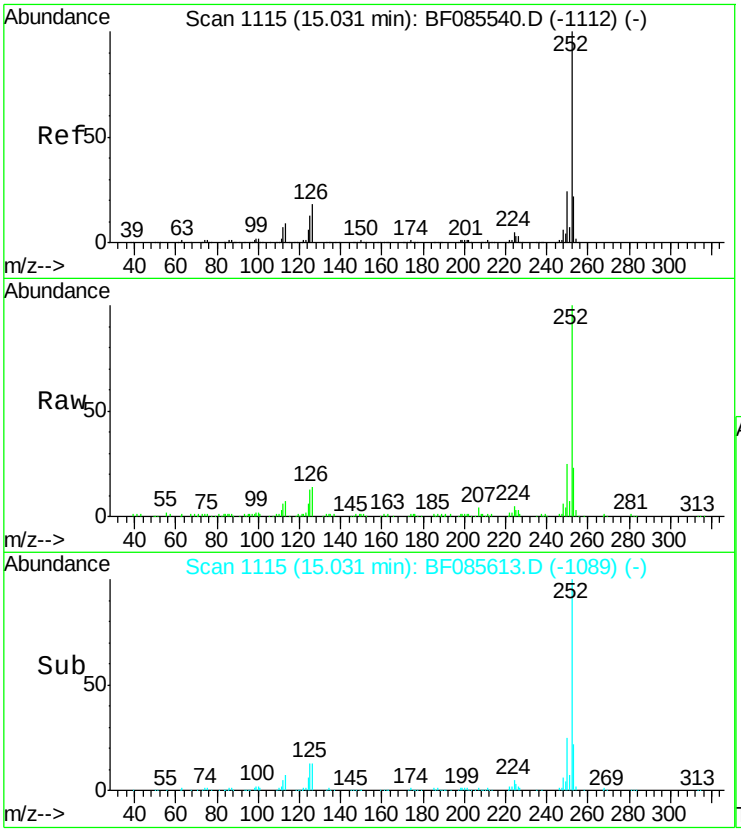


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion:264 Resp: 244979

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	21.6	17.2	25.8

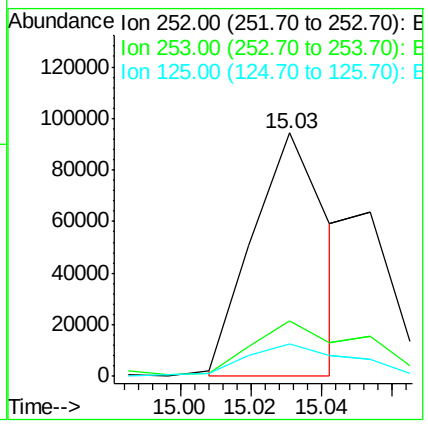




#87
Benzo(b)fluoranthene
Concen: 8.77 ng m
RT: 15.03 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion:252 Resp: 140164

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.6	26.4
125	13.5	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
AOU2-SB12(11-15)DL

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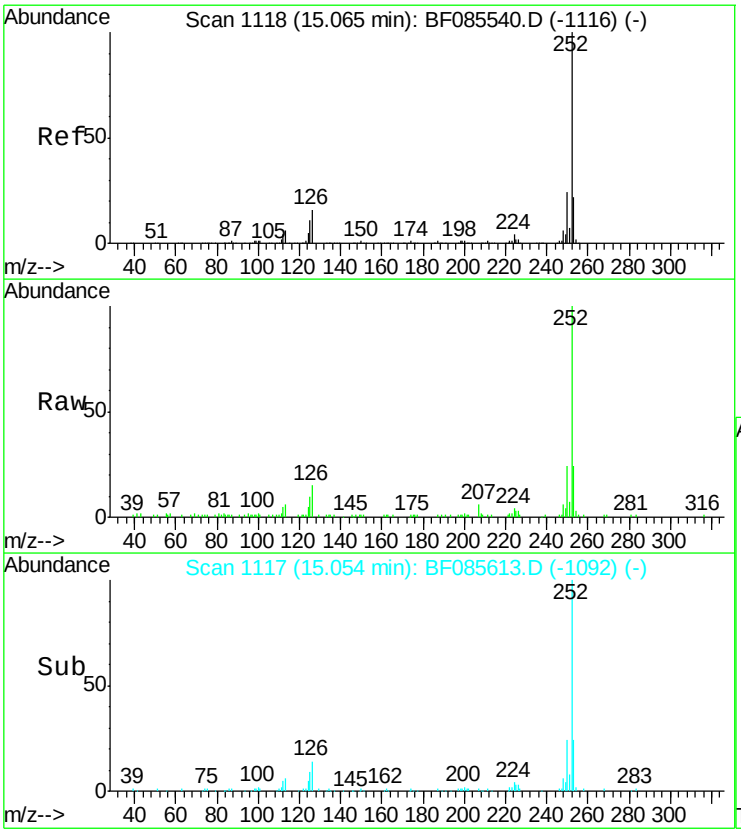
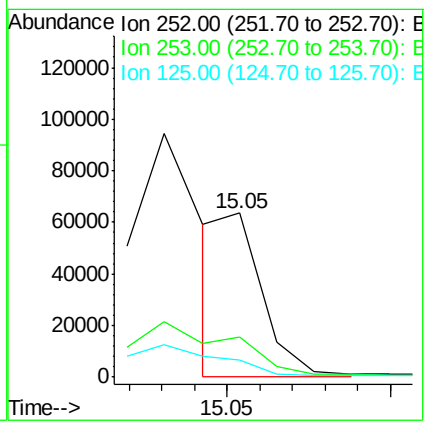
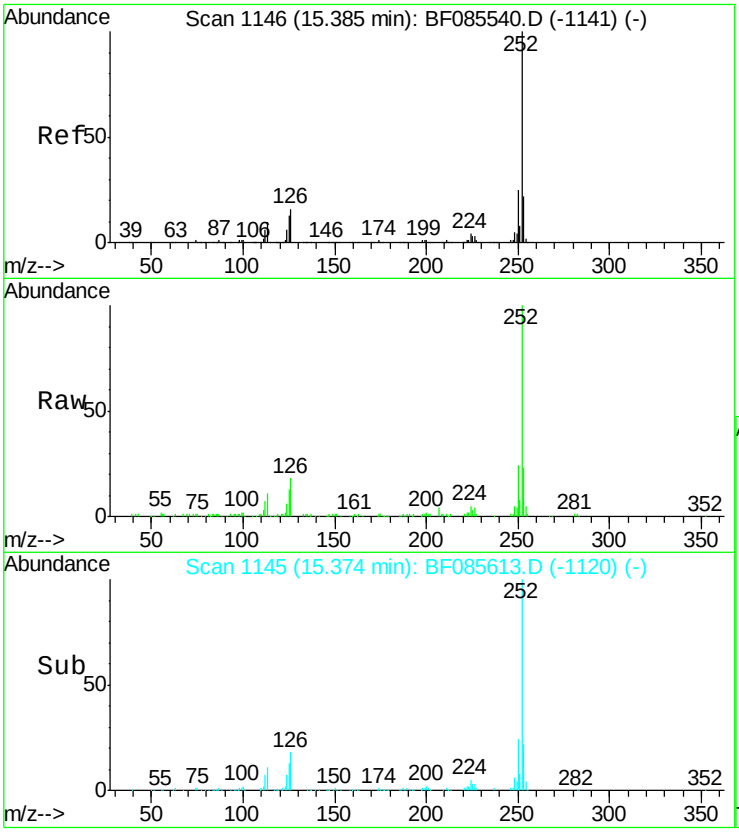


#88
Benzo(k)fluoranthene
Concen: 4.20 ng m
RT: 15.05 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion:252 Resp: 55350

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.8	26.6
125	10.3	7.7	11.5

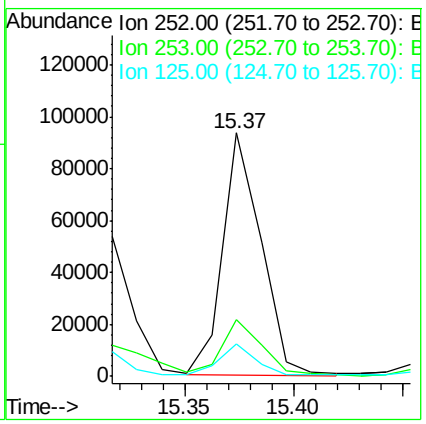




#89
Benzo(a)pyrene
Concen: 8.46 ng
RT: 15.37 min Scan# 1145
Delta R.T. -0.01 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion:252 Resp: 114695

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	13.3	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
AOU2-SB12(11-15)DL

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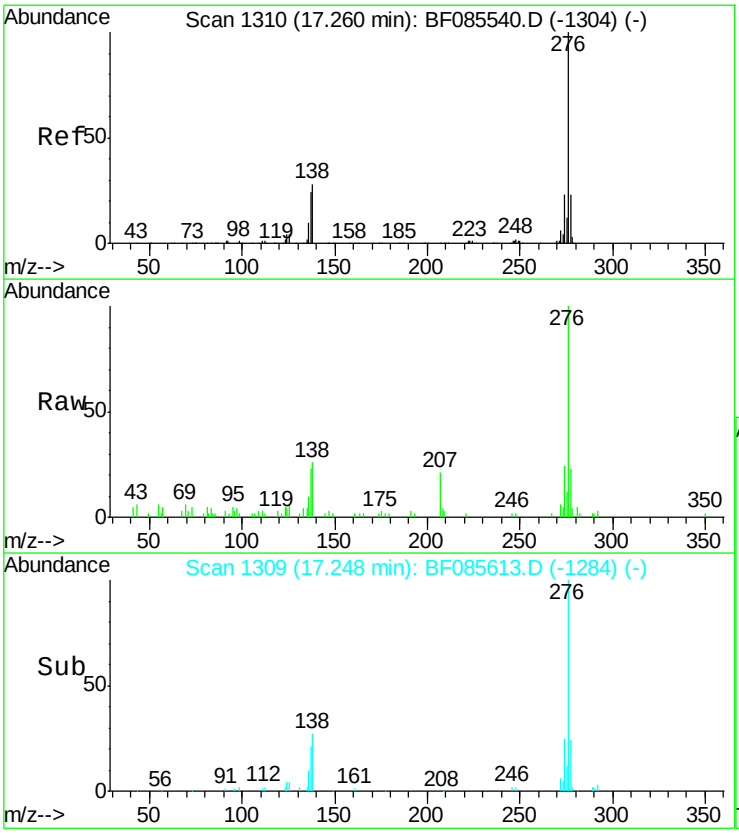

#91
Benzo(g,h,i)perylene
Concen: 3.81 ng
RT: 17.25 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF085613.D
Acq: 20 Mar 2016 12:12

Tgt Ion:276 Resp: 41628

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.8	28.2
138	26.3	22.6	34.0