Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
Data File : BF085490.D
Acq On : 17 Mar 2016 4:48
Operator : UM/SJ
Sample : H1796-04 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AOU2-SB04(5-8)

Manual Integrations APPROVED
Sohil
3/17/2016 5:20:22 PM

Quant Time: Mar 17 04:52:35 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 15 18:57:05 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	120117	20.00	ng		-0.01
21) Naphthalene-d8	8.18	136	492565	20.00	ng		-0.02
38) Acenaphthene-d10	9.94	164	208904	20.00	ng		-0.01
63) Phenanthrene-d10	11.43	188	319665	20.00	ng		-0.01
75) Chrysene-d12	14.06	240	222485	20.00	ng		-0.02
86) Perylene-d12	15.51	264	259413	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.50	112	15605	2.23	ng		-0.01
7) Phenol-d6	6.52	99	22398	2.47	ng		-0.03
23) Nitrobenzene-d5	7.46	82	12028	1.44	ng		-0.02
41) 2,4,6-Tribromophenol	10.73	330	2696	1.40	ng		-0.02
44) 2-Fluorobiphenyl	9.26	172	27991	2.32	ng		-0.02
78) Terphenyl-d14	13.01	244	15260	1.55	ng		-0.02
Target Compounds							Qvalue
10) Phenol	6.54	94	23029	2.27	ng		90
20) 3+4-Methylphenols	7.30	107	15984	2.17	ng	#	77
31) Naphthalene	8.21	128	119969	4.98	ng		96
57) Fluorene	10.48	166	49111	3.86	ng		97
70) Phenanthrene	11.45	178	415787	24.97	ng		96
71) Anthracene	11.50	178	181877	10.72	ng		98
72) Carbazole	11.66	167	50384	3.51	ng		98
74) Fluoranthene	12.63	202	247148	15.79	ng		95
77) Pyrene	12.86	202	180797	10.83	ng		98
80) Benzo(a)anthracene	14.05	228	100528m	7.88	ng		
82) Chrysene	14.08	228	61642	5.37	ng		96
85) Indeno(1,2,3-cd)pyrene	16.93	276	38988	3.58	ng		98
87) Benzo(b)fluoranthene	15.09	252	86272m	5.09	ng		
88) Benzo(k)fluoranthene	15.11	252	37097m	2.80	ng		
89) Benzo(a)pyrene	15.44	252	70500	4.82	ng	#	95
91) Benzo(g,h,i)perylene	17.36	276	30950	2.12	ng		95

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

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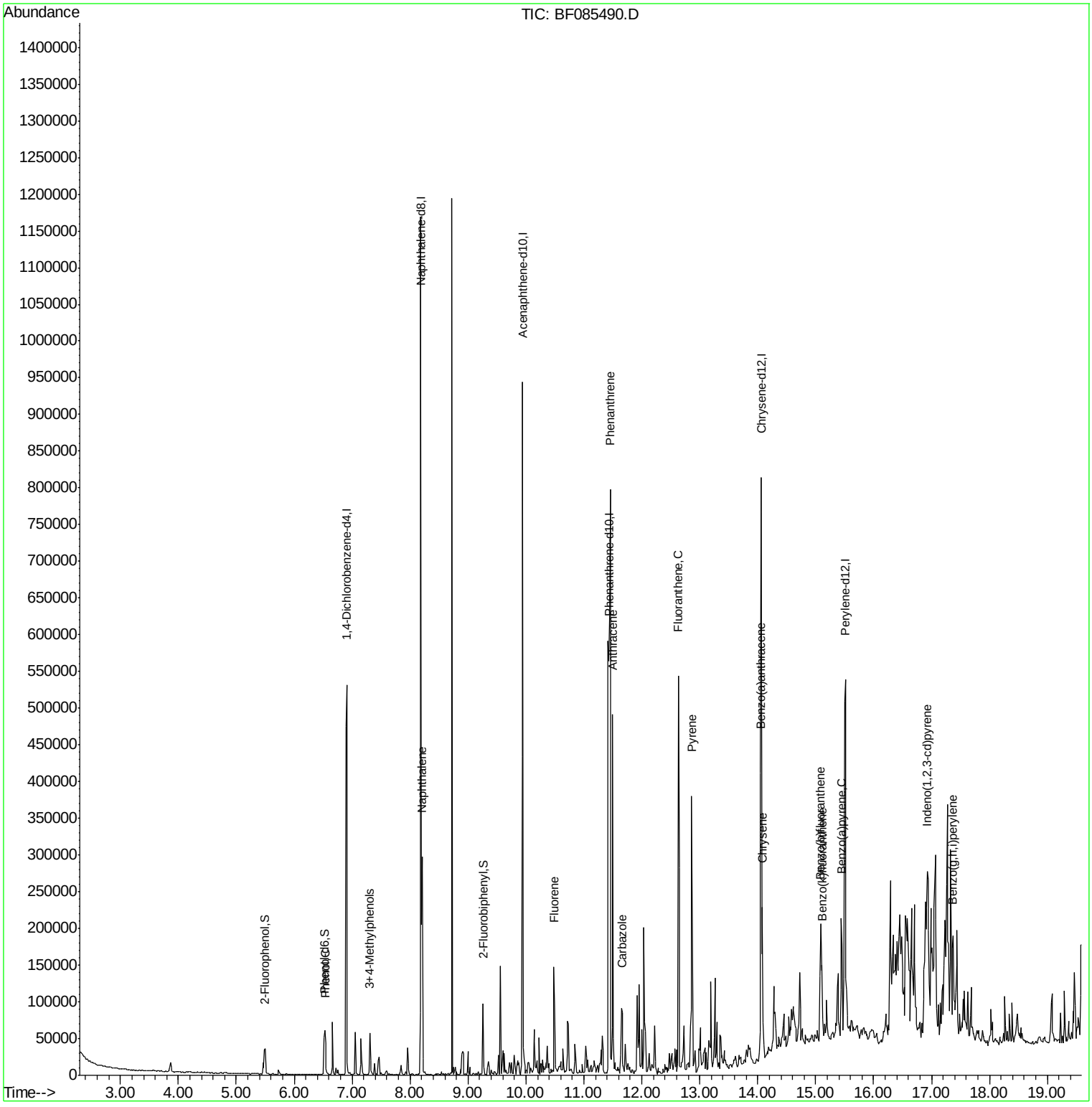
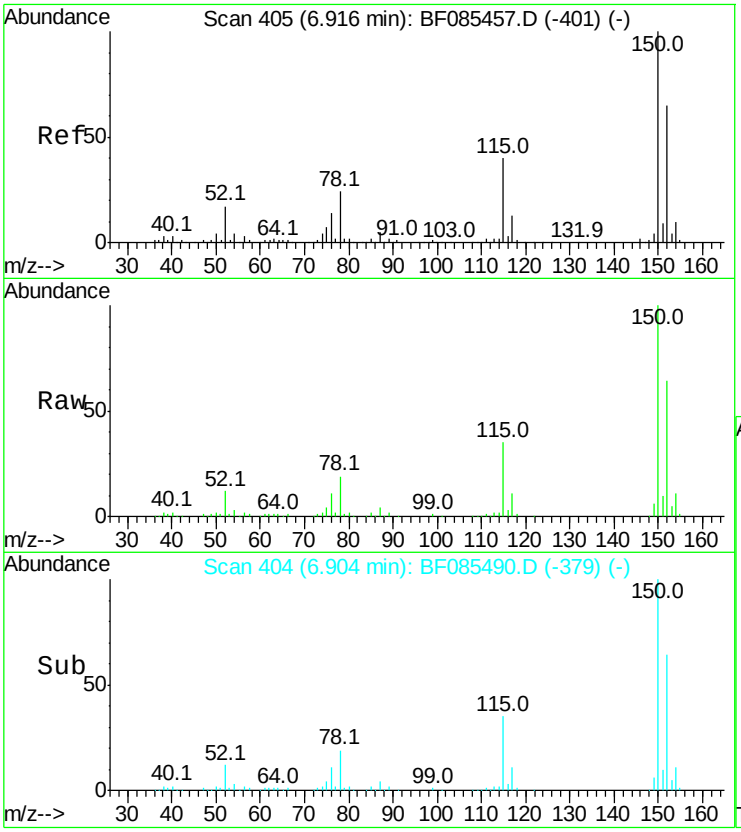
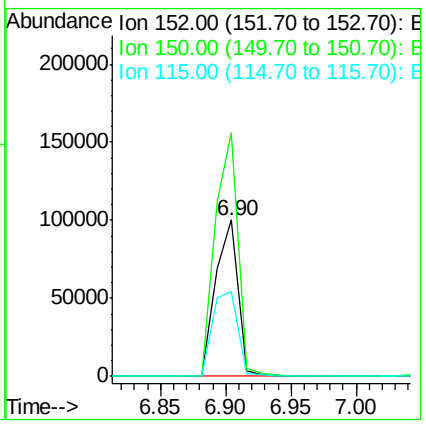




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 404
Delta R.T. -0.01 min
Lab File: BF085490.D
Acq: 17 Mar 2016 4:48

Tgt Ion:152 Resp: 120117

Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.6	186.8
115	54.4	46.6	70.0



Instrument :
BNA_F
ClientSampleId :
AOU2-SB04(5-8)

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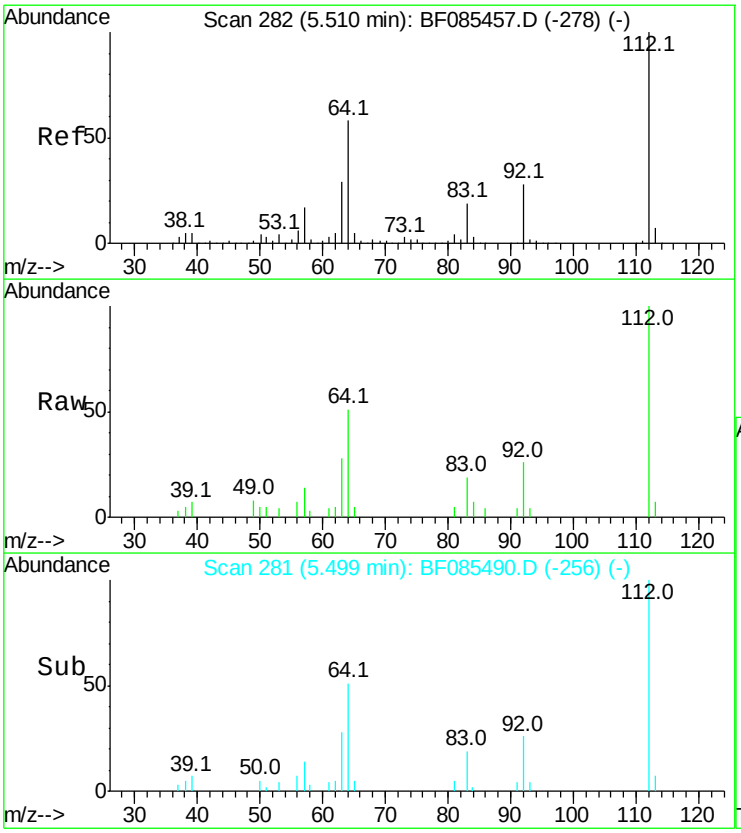
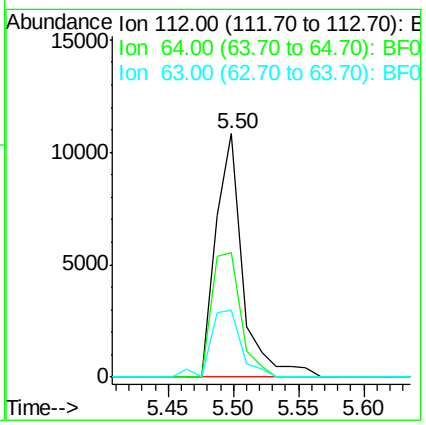
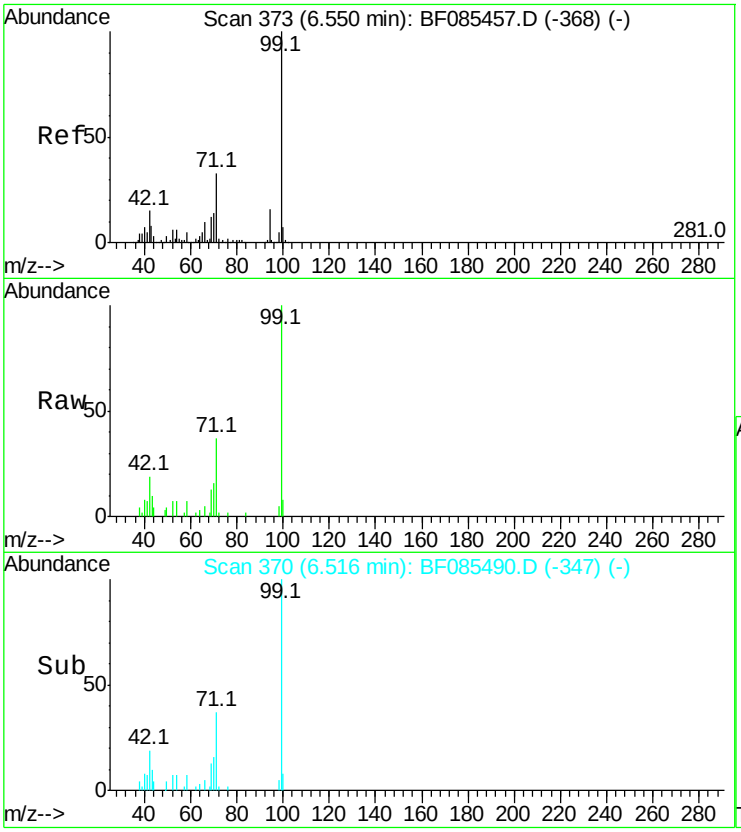


#5
2-Fluorophenol
Concen: 2.23 ng
RT: 5.50 min Scan# 281
Delta R.T. -0.01 min
Lab File: BF085490.D
Acq: 17 Mar 2016 4:48

Tgt Ion:112 Resp: 15605

Ion	Ratio	Lower	Upper
112	100		
64	51.0	49.0	73.4
63	27.6	24.8	37.2

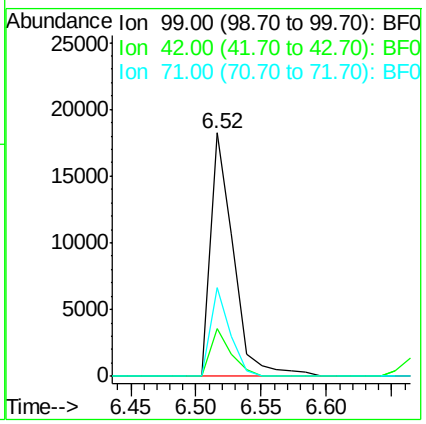




#7
Phenol-d6
Concen: 2.47 ng
RT: 6.52 min Scan# 370
Delta R.T. -0.03 min
Lab File: BF085490.D
Acq: 17 Mar 2016 4:48

Tgt Ion: 99 Resp: 22398

Ion	Ratio	Lower	Upper
99	100		
42	19.4	13.6	20.4
71	36.6	26.7	40.1



Instrument :
BNA_F
ClientSampleId :
AOU2-SB04(5-8)

Manual Integrations APPROVED
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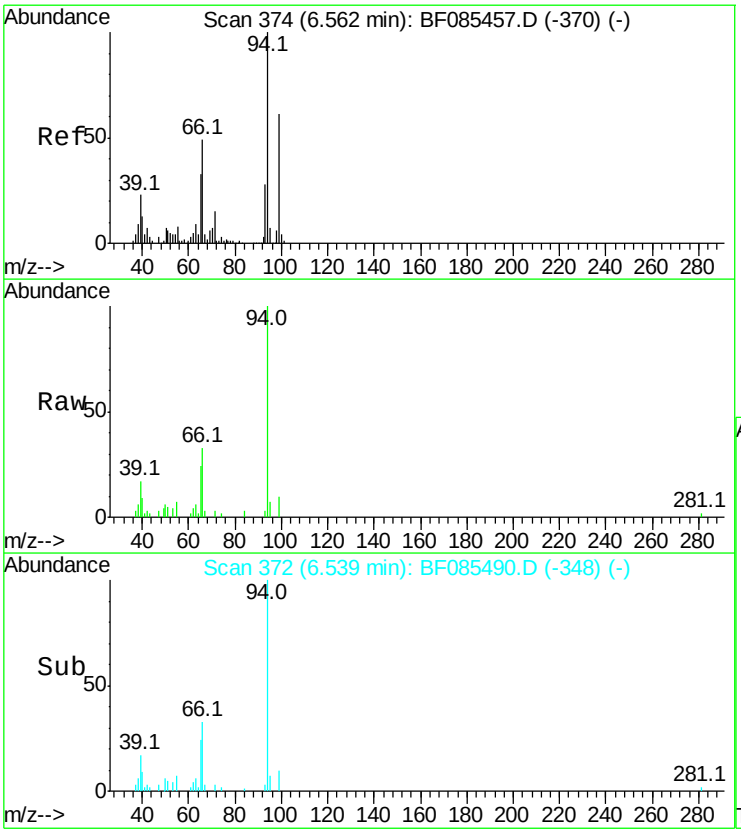
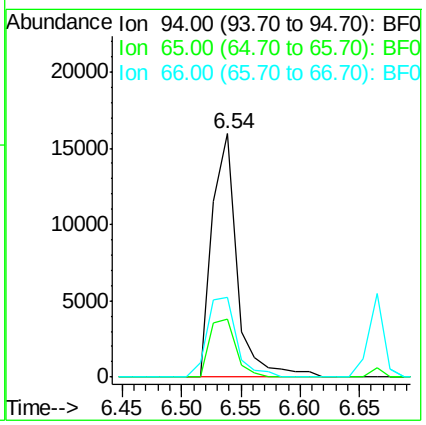
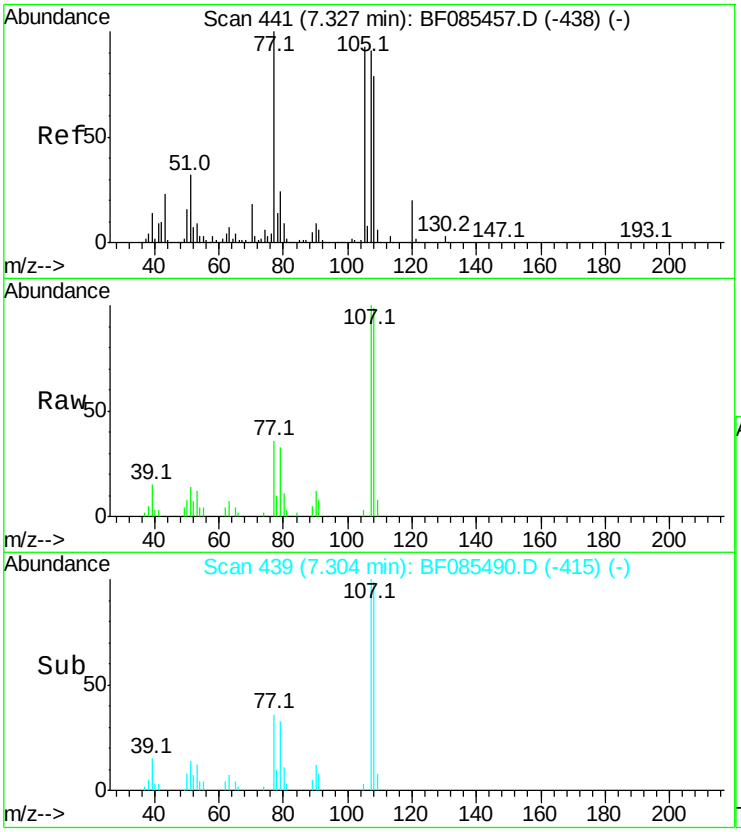


#10
Phenol
Concen: 2.27 ng
RT: 6.54 min Scan# 372
Delta R.T. -0.02 min
Lab File: BF085490.D
Acq: 17 Mar 2016 4:48

Tgt Ion: 94 Resp: 23029

Ion	Ratio	Lower	Upper
94	100		
65	23.7	9.1	49.1
66	32.8	19.3	59.3

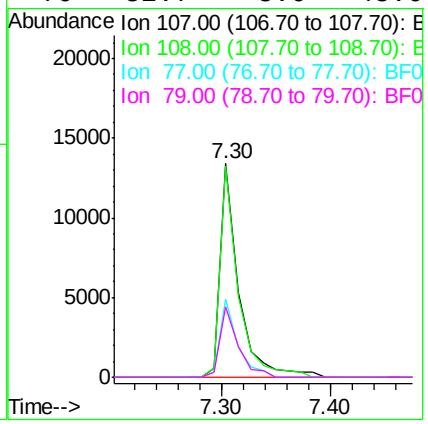




#20
3+4-Methylphenols
Concen: 2.17 ng
RT: 7.30 min Scan# 439
Delta R.T. -0.02 min
Lab File: BF085490.D
Acq: 17 Mar 2016 4:48

Tgt Ion:107 Resp: 15984

Ion	Ratio	Lower	Upper
107	100		
108	98.9	68.8	108.8
77	36.3	53.6	93.6#
79	32.7	8.0	48.0



Instrument :
BNA_F
ClientSampleId :
AOU2-SB04(5-8)

Manual Integrations APPROVED
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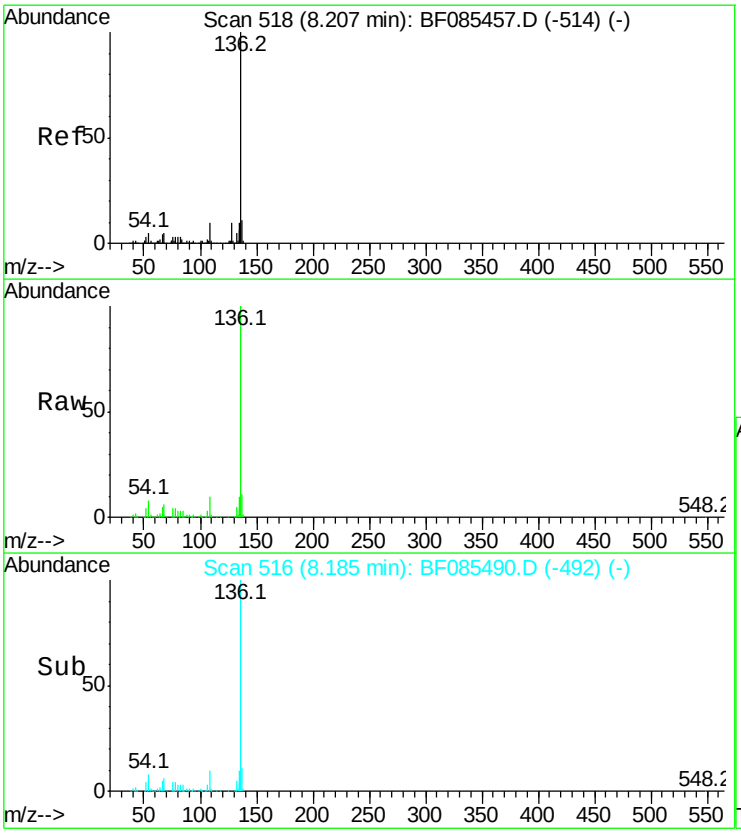
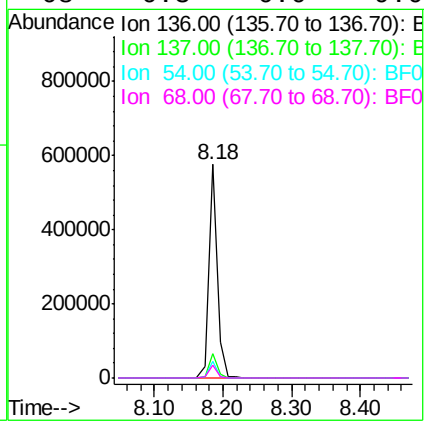
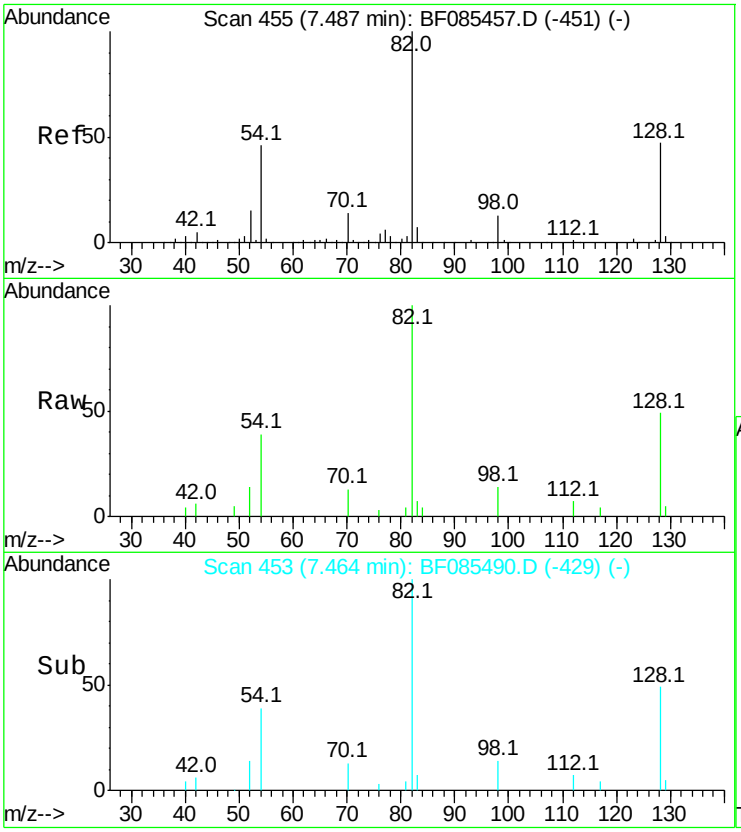


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 516
Delta R.T. -0.02 min
Lab File: BF085490.D
Acq: 17 Mar 2016 4:48

Tgt Ion:136 Resp: 492565

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.3	13.9
54	7.6	7.4	11.2
68	6.3	6.0	9.0

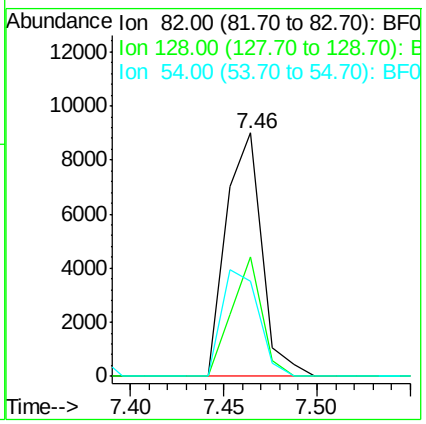




#23
Nitrobenzene-d5
Concen: 1.44 ng
RT: 7.46 min Scan# 453
Delta R.T. -0.02 min
Lab File: BF085490.D
Acq: 17 Mar 2016 4:48

Tgt Ion: 82 Resp: 12028

Ion	Ratio	Lower	Upper
82	100		
128	49.0	34.5	51.7
54	38.9	39.3	58.9#



Instrument :
BNA_F
ClientSampleId :
AOU2-SB04(5-8)

Manual Integrations APPROVED
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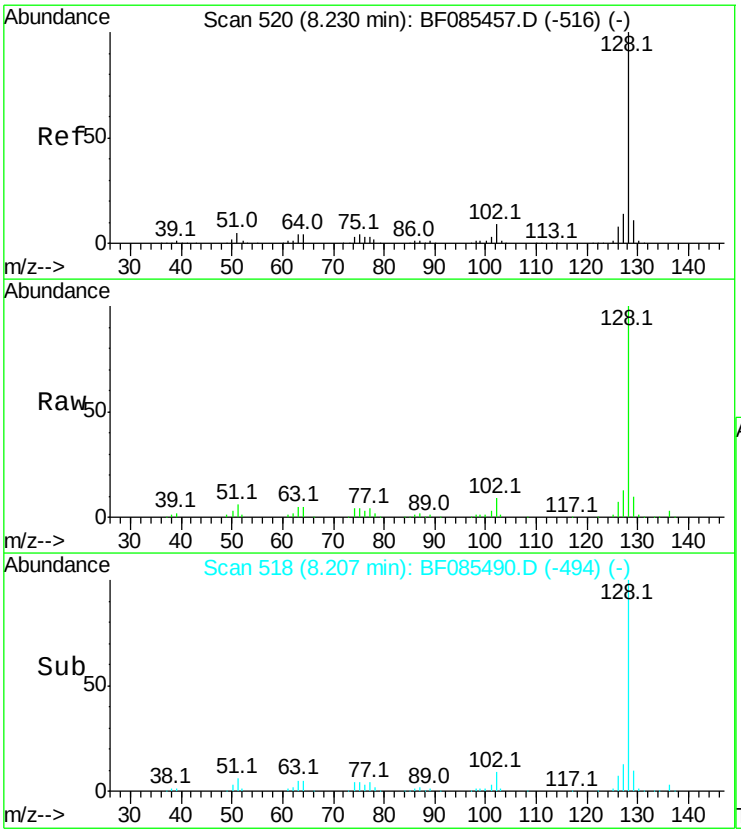
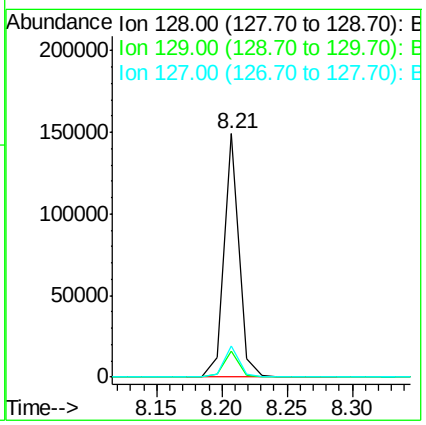
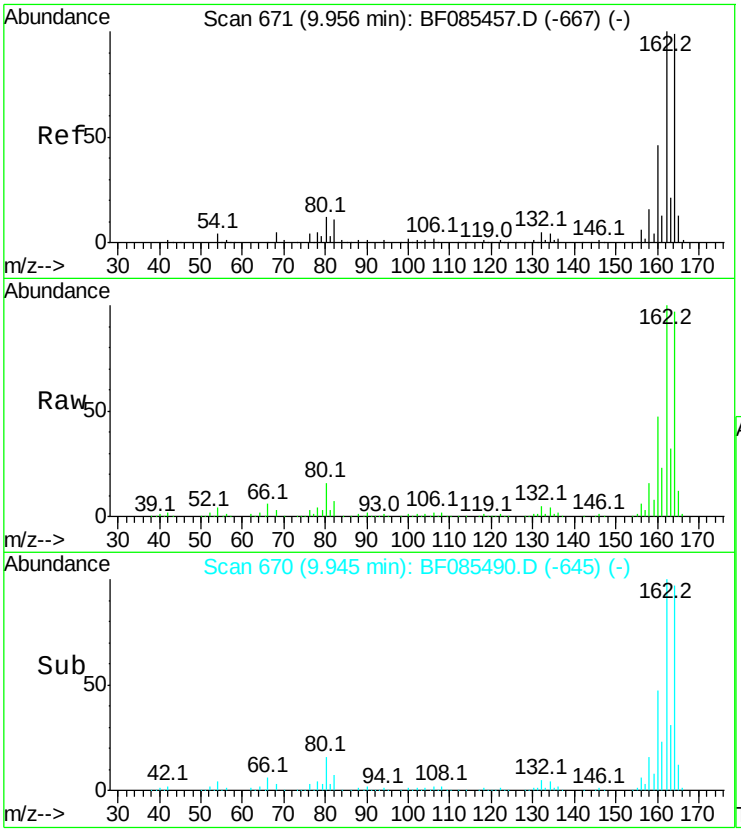


#31
Naphthalene
Concen: 4.98 ng
RT: 8.21 min Scan# 518
Delta R.T. -0.02 min
Lab File: BF085490.D
Acq: 17 Mar 2016 4:48

Tgt Ion:128 Resp: 119969

Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.7	14.5
127	12.6	11.2	16.8

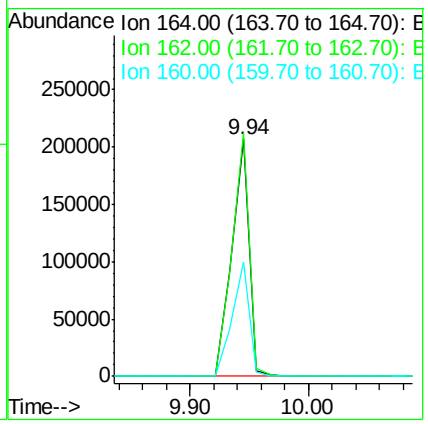




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF085490.D
Acq: 17 Mar 2016 4:48

Tgt Ion:164 Resp: 208904

Ion	Ratio	Lower	Upper
164	100		
162	102.7	83.3	124.9
160	48.4	37.9	56.9



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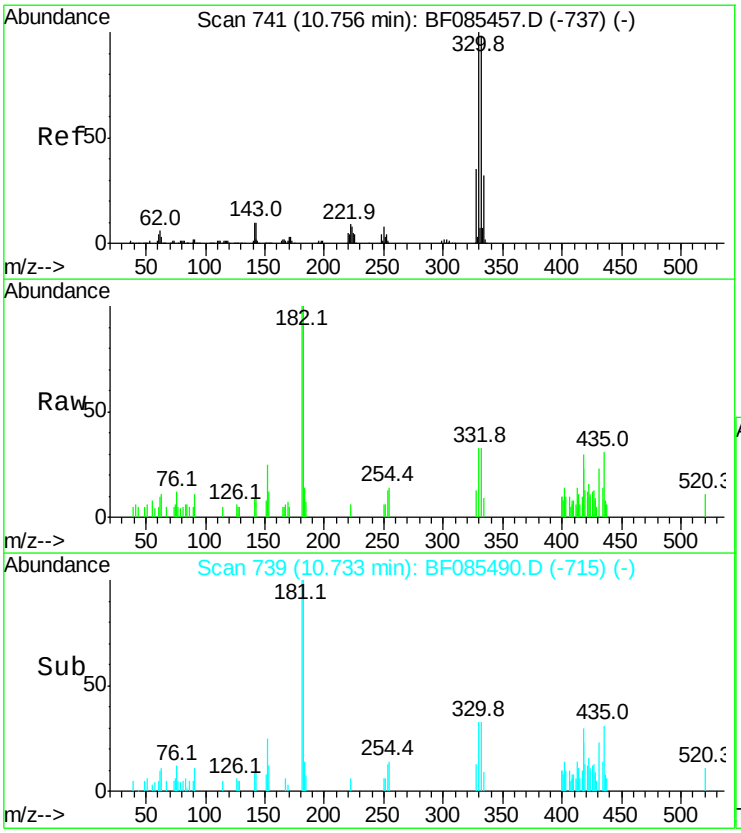
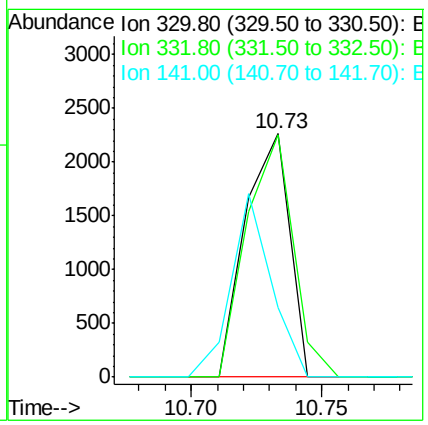
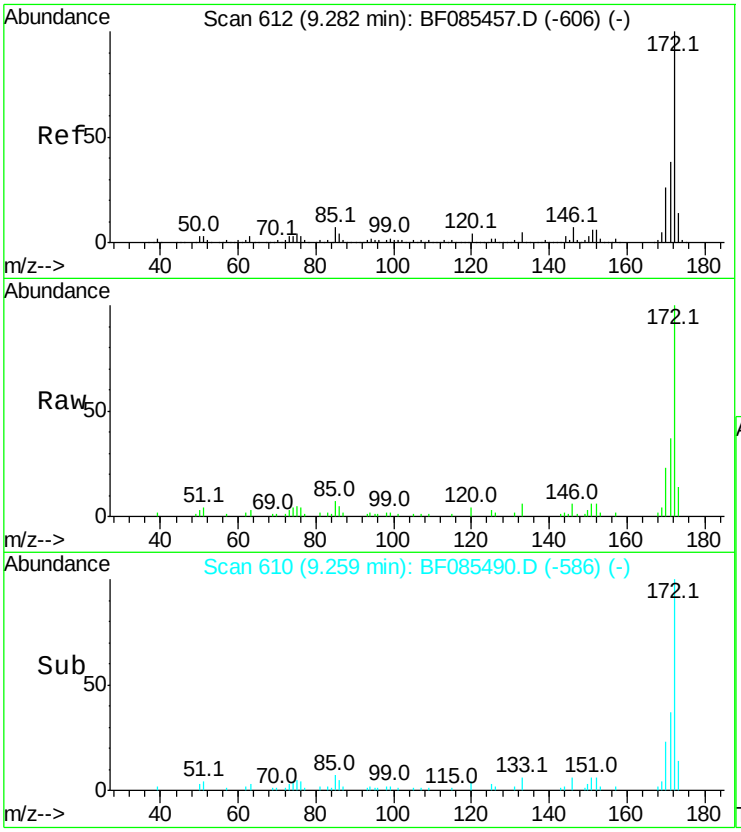


#41
2,4,6-Tribromophenol
Concen: 1.40 ng
RT: 10.73 min Scan# 739
Delta R.T. -0.02 min
Lab File: BF085490.D
Acq: 17 Mar 2016 4:48

Tgt Ion:330 Resp: 2696

Ion	Ratio	Lower	Upper
330	100		
332	104.8	77.1	115.7
141	68.1	35.0	52.6#

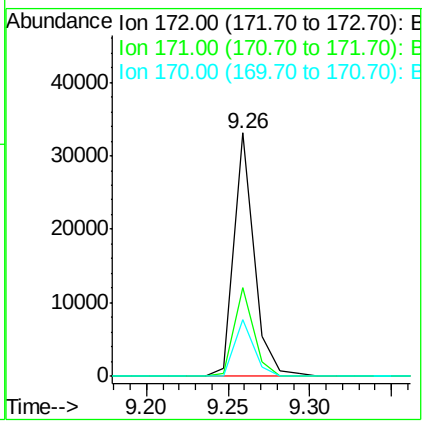




#44
2-Fluorobiphenyl
Concen: 2.32 ng
RT: 9.26 min Scan# 610
Delta R.T. -0.02 min
Lab File: BF085490.D
Acq: 17 Mar 2016 4:48

Tgt Ion:172 Resp: 27991

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.3	43.9
170	23.2	20.0	30.0



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ClientSampleId :
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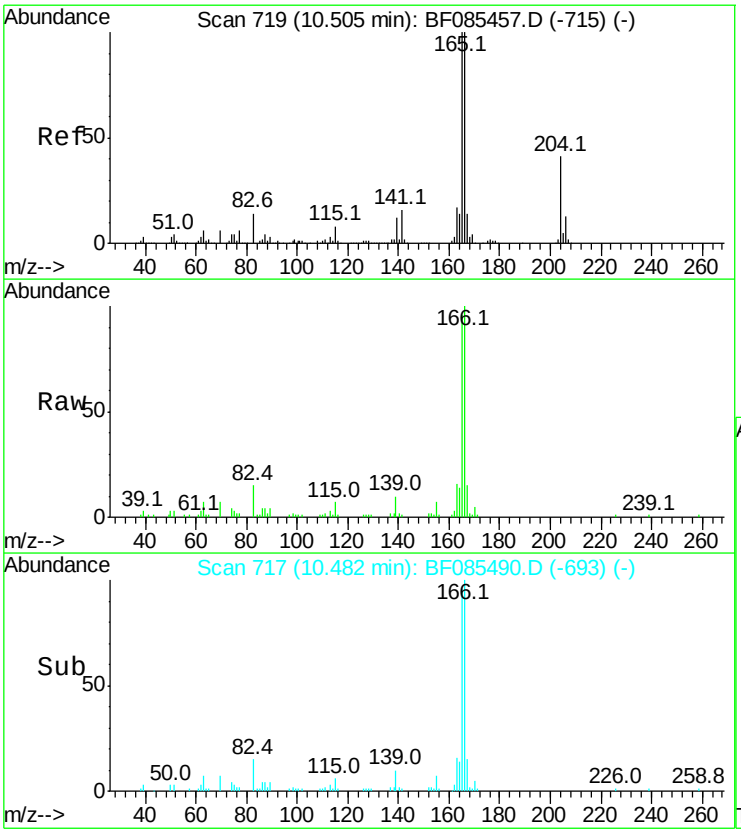
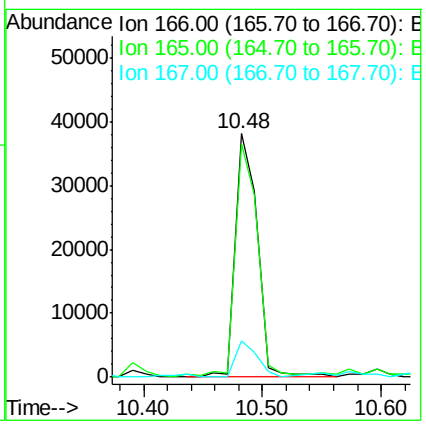
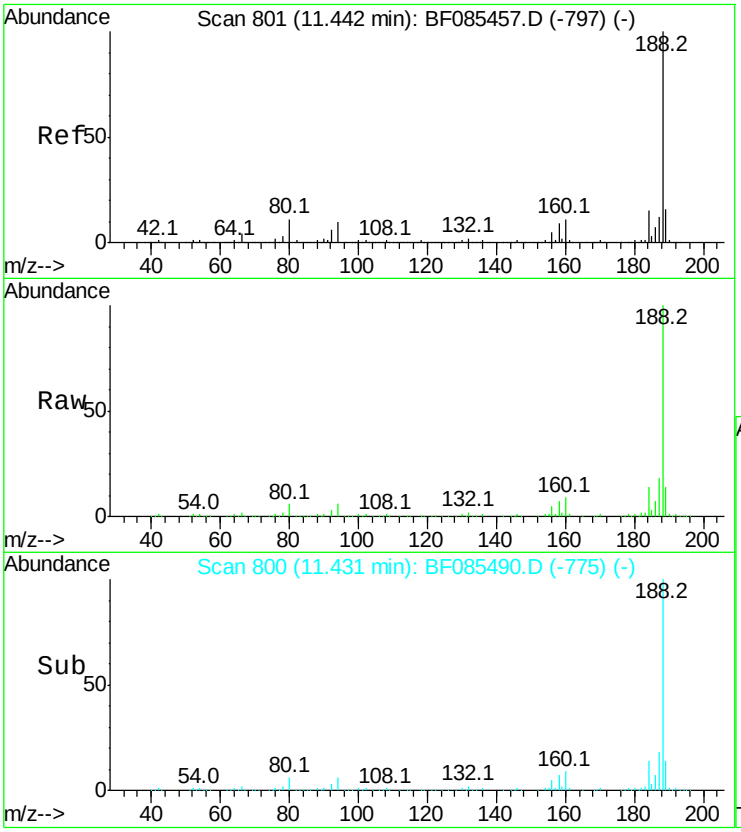


#57
Fluorene
Concen: 3.86 ng
RT: 10.48 min Scan# 717
Delta R.T. -0.02 min
Lab File: BF085490.D
Acq: 17 Mar 2016 4:48

Tgt Ion:166 Resp: 49111

Ion	Ratio	Lower	Upper
166	100		
165	95.8	79.4	119.0
167	14.9	11.0	16.6

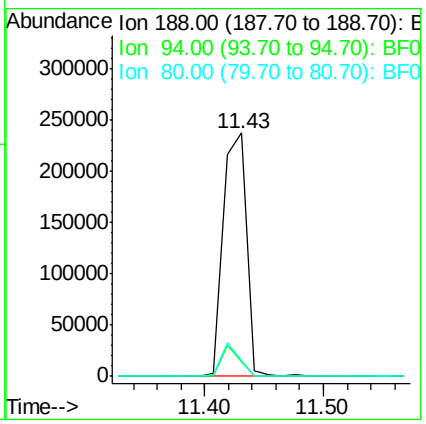




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF085490.D
Acq: 17 Mar 2016 4:48

Tgt Ion:188 Resp: 319665

Ion	Ratio	Lower	Upper
188	100		
94	6.1	7.0	10.6#
80	6.4	7.4	11.0#



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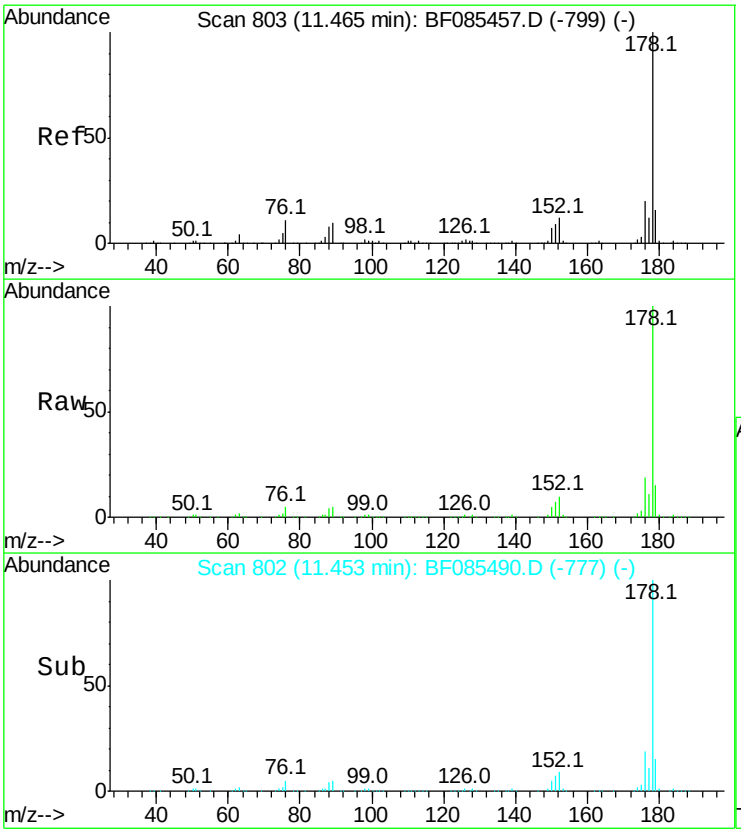
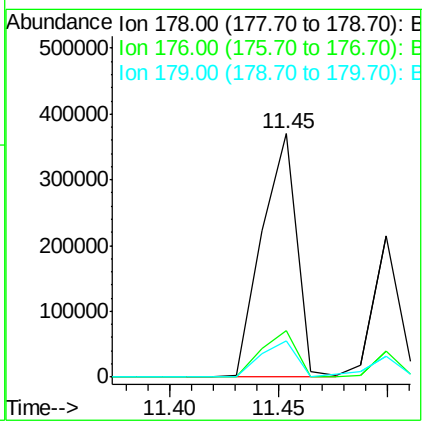
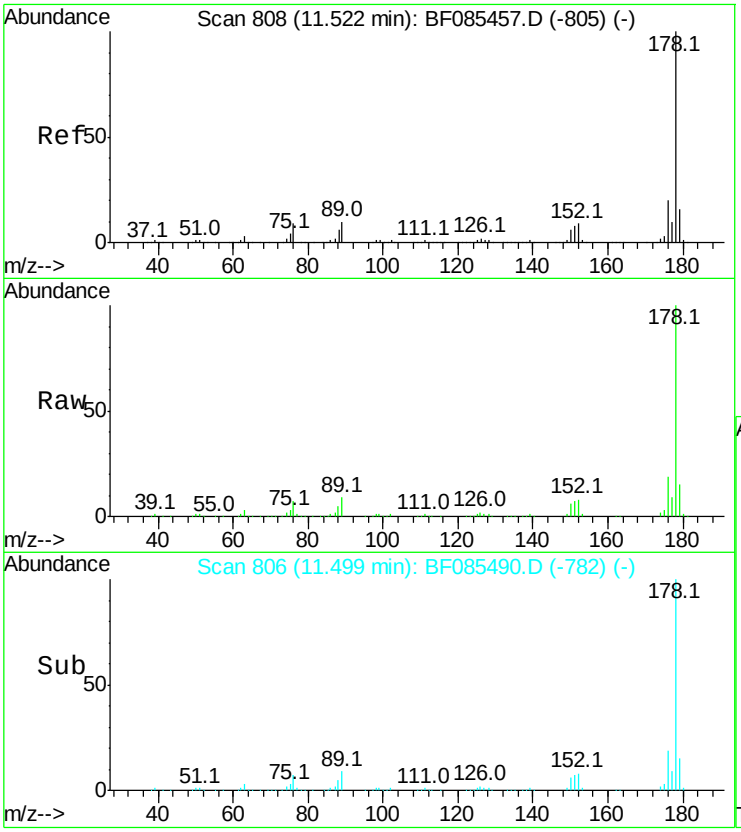


#70
Phenanthrene
Concen: 24.97 ng
RT: 11.45 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF085490.D
Acq: 17 Mar 2016 4:48

Tgt Ion:178 Resp: 415787

Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.8	25.2
179	14.9	13.1	19.7

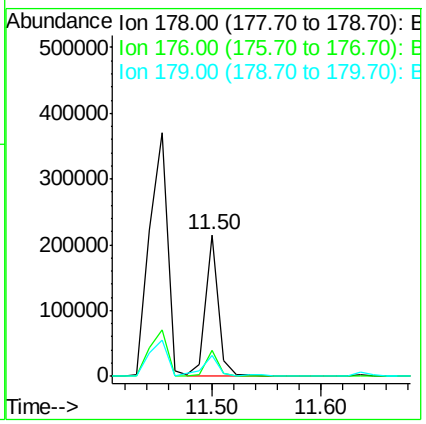




#71
Anthracene
Concen: 10.72 ng
RT: 11.50 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF085490.D
Acq: 17 Mar 2016 4:48

Tgt Ion:178 Resp: 181877

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.9	23.9
179	15.0	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
AOU2-SB04(5-8)

Manual Integrations APPROVED
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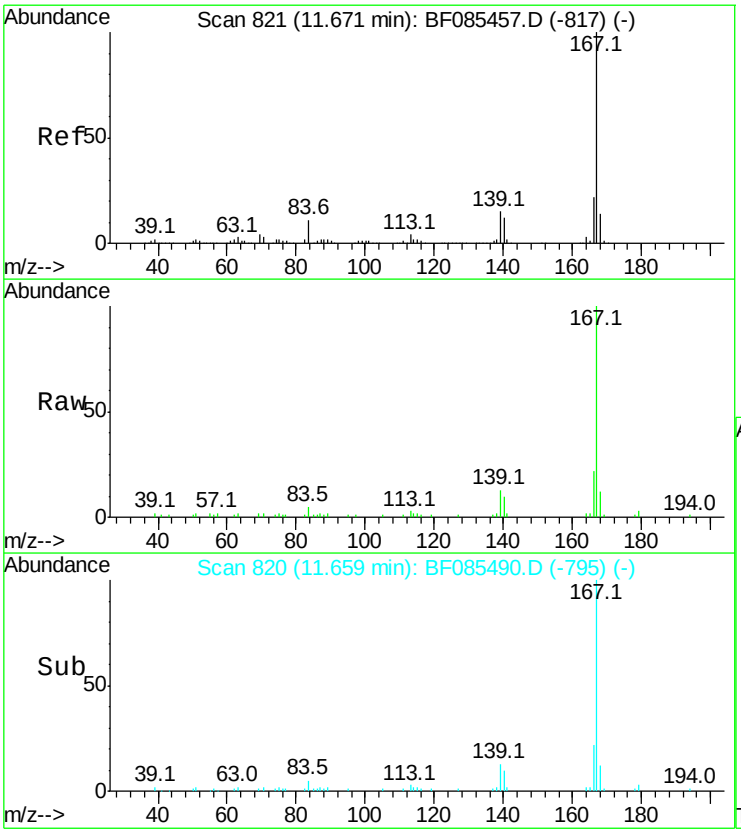
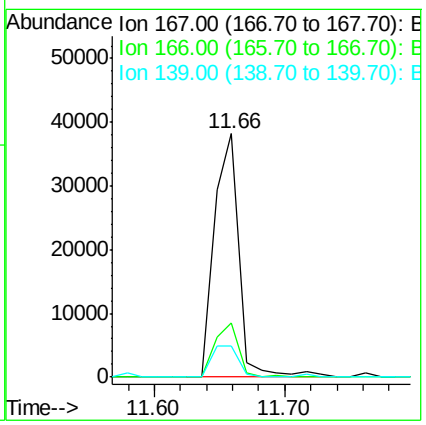
3/17/2016 5:20:22 PM

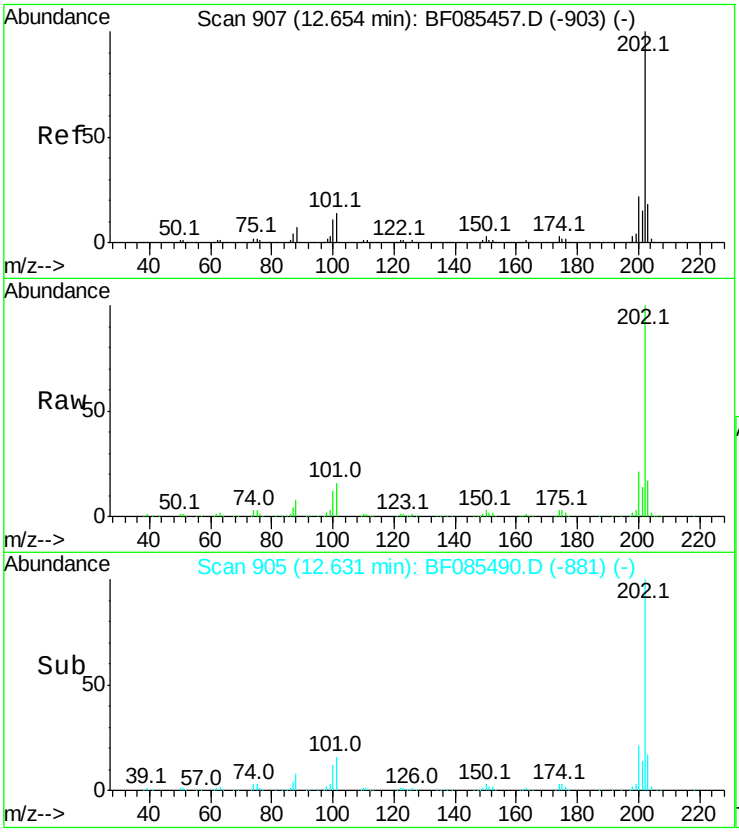


#72
Carbazole
Concen: 3.51 ng
RT: 11.66 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF085490.D
Acq: 17 Mar 2016 4:48

Tgt Ion:167 Resp: 50384

Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.2	27.2
139	13.0	11.4	17.0

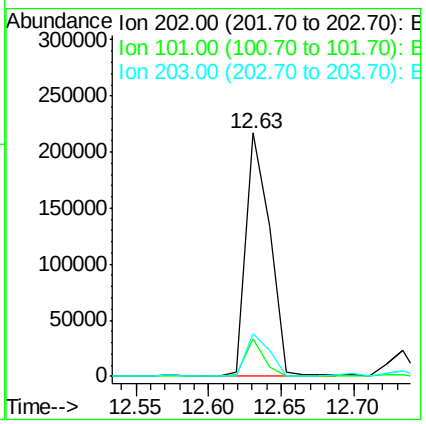




#74
Fluoranthene
Concen: 15.79 ng
RT: 12.63 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF085490.D
Acq: 17 Mar 2016 4:48

Tgt Ion:202 Resp: 247148

Ion	Ratio	Lower	Upper
202	100		
101	15.6	0.0	31.8
203	17.4	0.0	38.4



Instrument :
BNA_F
ClientSampleId :
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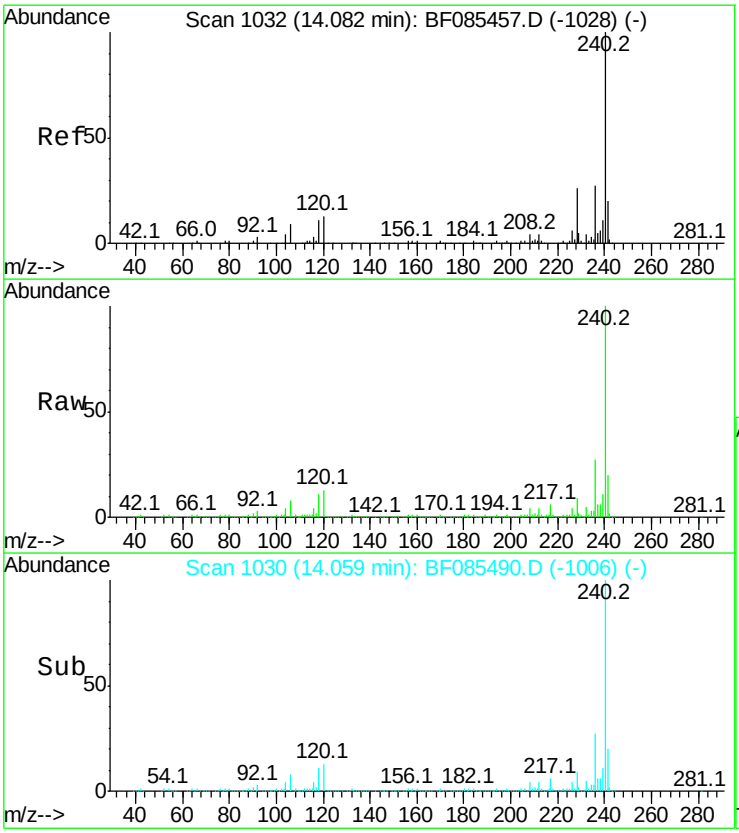
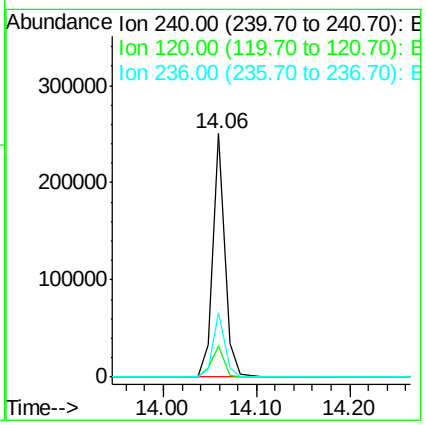
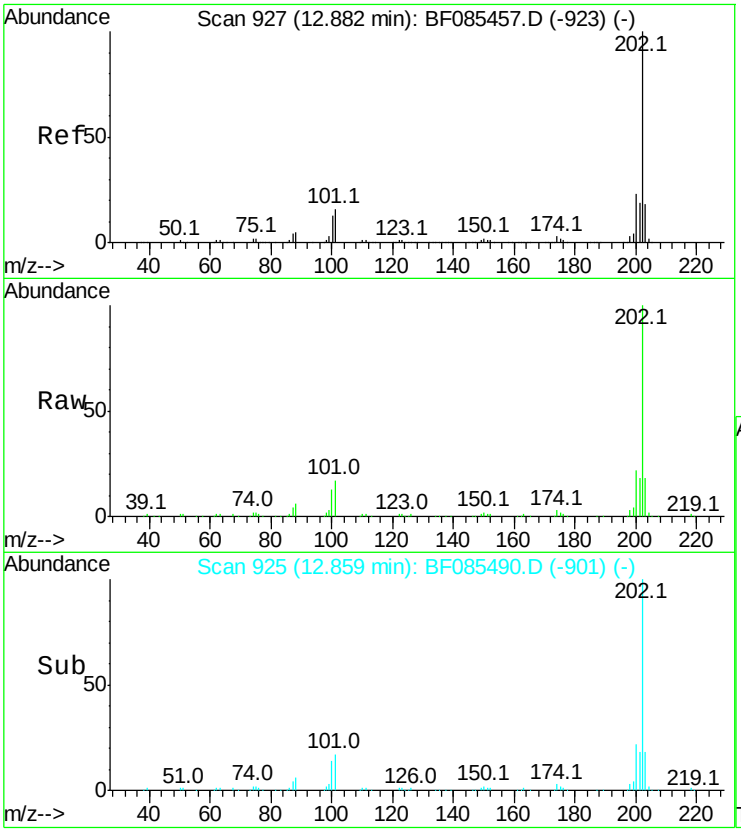


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.06 min Scan# 1030
Delta R.T. -0.02 min
Lab File: BF085490.D
Acq: 17 Mar 2016 4:48

Tgt Ion:240 Resp: 222485

Ion	Ratio	Lower	Upper
240	100		
120	12.6	5.3	7.9#
236	26.7	20.7	31.1

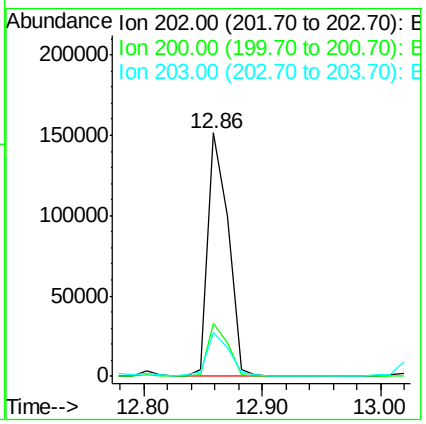




#77
Pyrene
Concen: 10.83 ng
RT: 12.86 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF085490.D
Acq: 17 Mar 2016 4:48

Tgt Ion:202 Resp: 180797

Ion	Ratio	Lower	Upper
202	100		
200	21.6	18.2	27.4
203	18.2	14.7	22.1



Instrument :
BNA_F
ClientSampleId :
AOU2-SB04(5-8)

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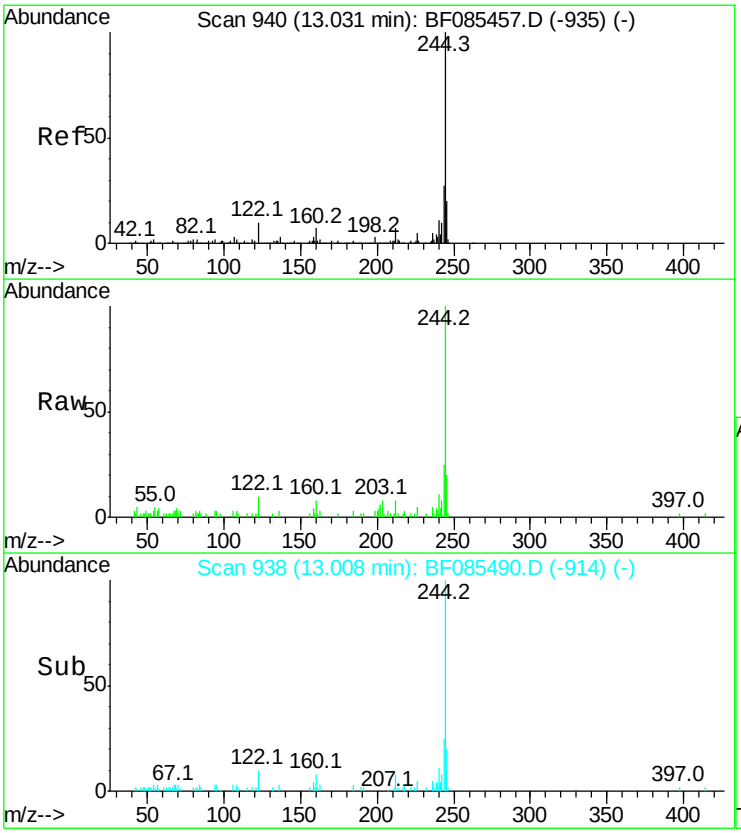
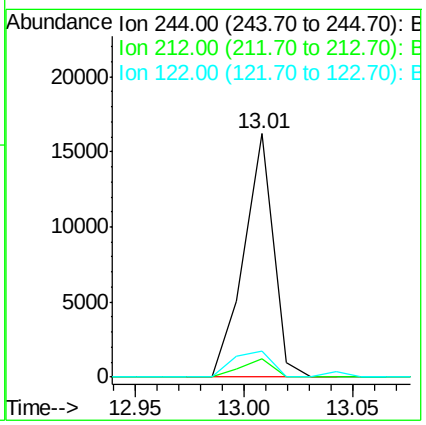
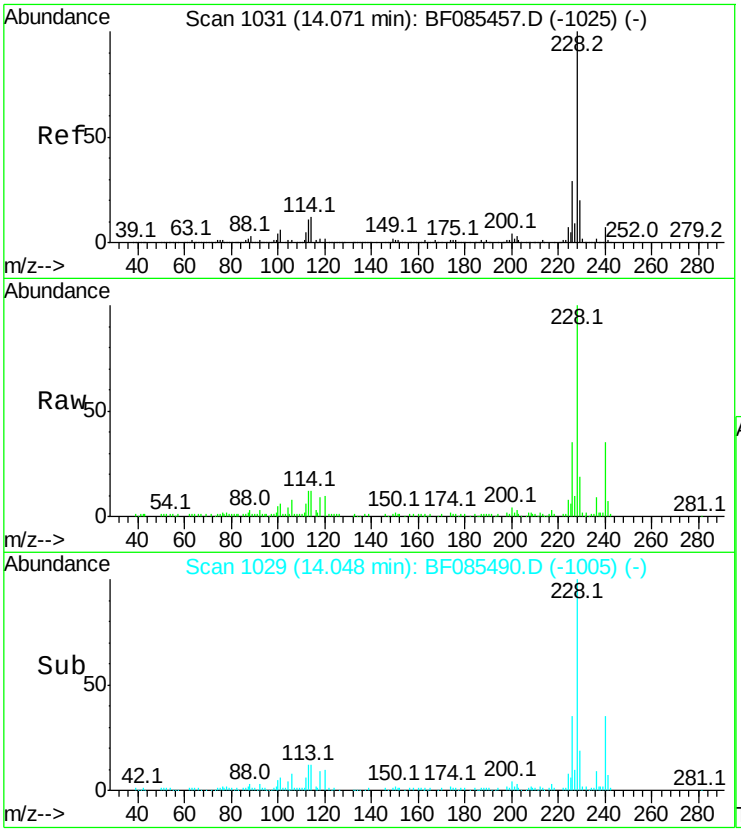


#78
Terphenyl-d14
Concen: 1.55 ng
RT: 13.01 min Scan# 938
Delta R.T. -0.02 min
Lab File: BF085490.D
Acq: 17 Mar 2016 4:48

Tgt Ion:244 Resp: 15260

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.4	9.6
122	10.4	11.4	17.2#

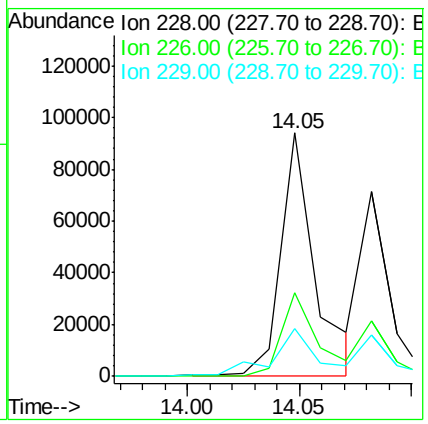




#80
Benzo(a)anthracene
Concen: 7.88 ng m
RT: 14.05 min Scan# 1029
Delta R.T. -0.02 min
Lab File: BF085490.D
Acq: 17 Mar 2016 4:48

Tgt Ion:228 Resp: 100528

Ion	Ratio	Lower	Upper
228	100		
226	34.6	22.8	34.2#
229	19.4	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
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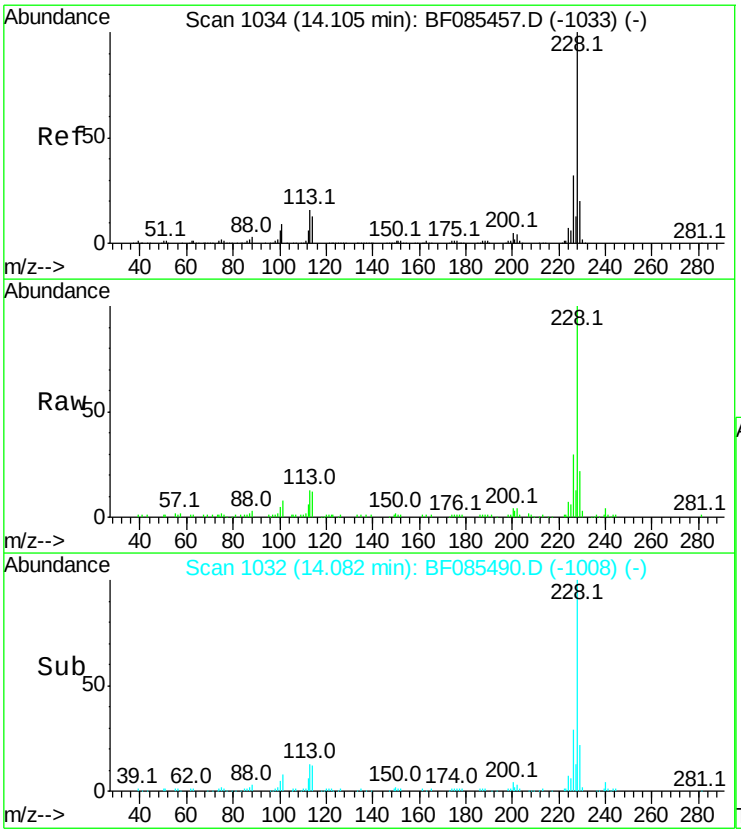
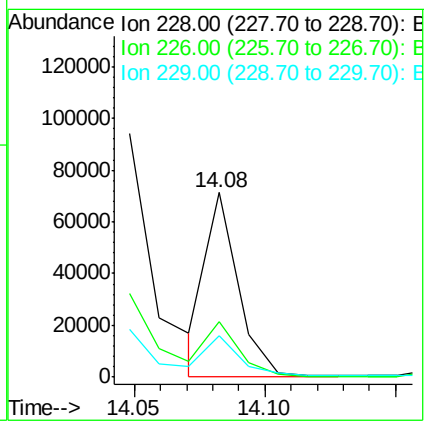
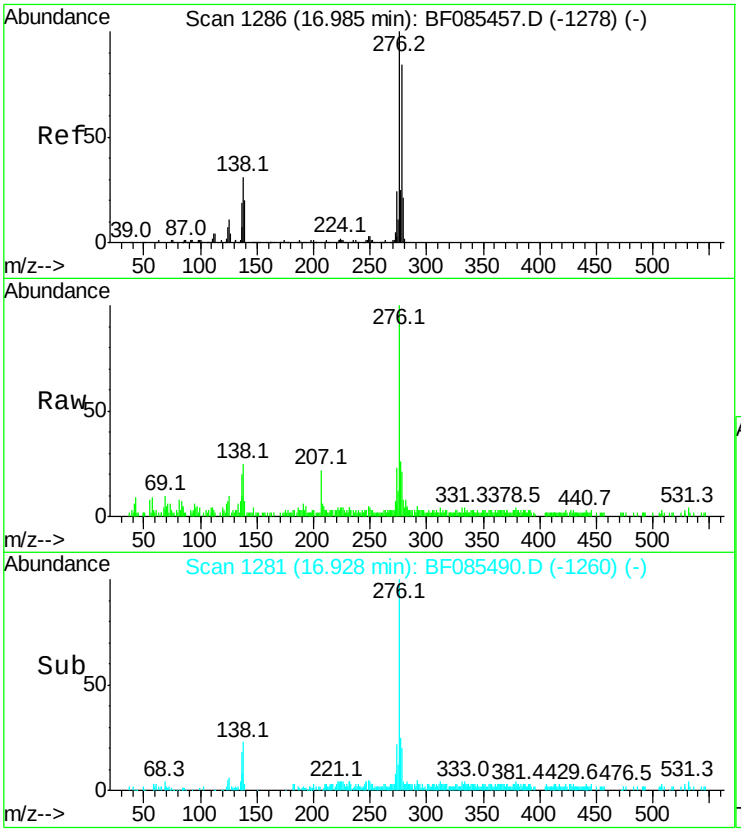


#82
Chrysene
Concen: 5.37 ng
RT: 14.08 min Scan# 1032
Delta R.T. -0.02 min
Lab File: BF085490.D
Acq: 17 Mar 2016 4:48

Tgt Ion:228 Resp: 61642

Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.2	37.8
229	22.5	16.0	24.0





#85
Indeno(1,2,3-cd)pyrene
Concen: 3.58 ng
RT: 16.93 min Scan# 1281
Delta R.T. -0.06 min
Lab File: BF085490.D
Acq: 17 Mar 2016 4:48

Tgt Ion:276 Resp: 38988

Ion	Ratio	Lower	Upper
276	100		
138	32.5	26.4	39.6
277	26.6	20.2	30.2

Instrument :
BNA_F
ClientSampleId :
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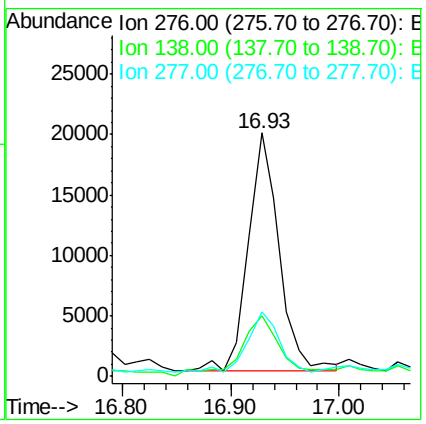
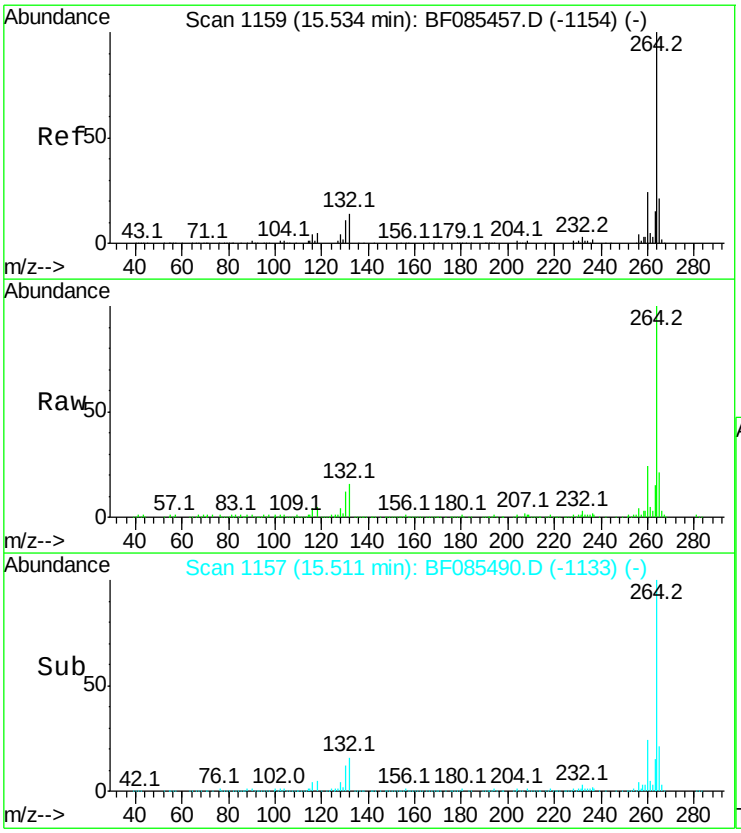
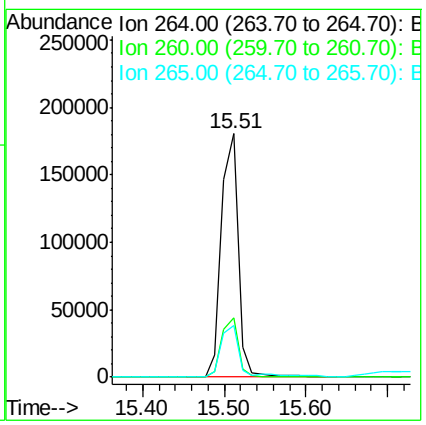


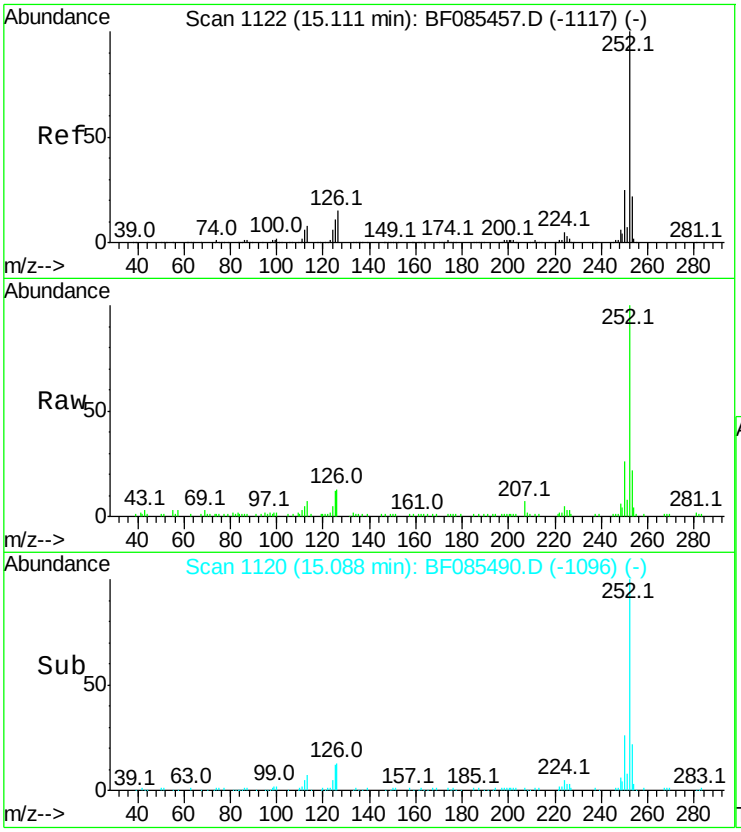


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BF085490.D
Acq: 17 Mar 2016 4:48

Tgt Ion:264 Resp: 259413

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.2	17.3	25.9

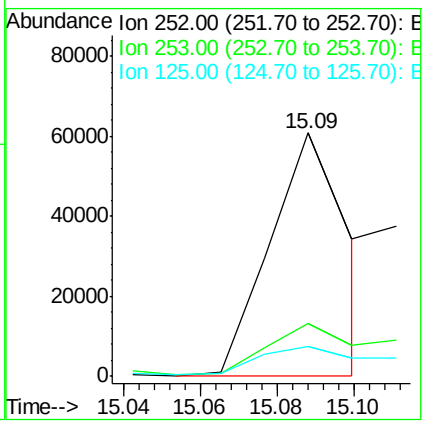




#87
Benzo(b)fluoranthene
Concen: 5.09 ng m
RT: 15.09 min Scan# 1120
Delta R.T. -0.02 min
Lab File: BF085490.D
Acq: 17 Mar 2016 4:48

Tgt Ion:252 Resp: 86272

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	12.5	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
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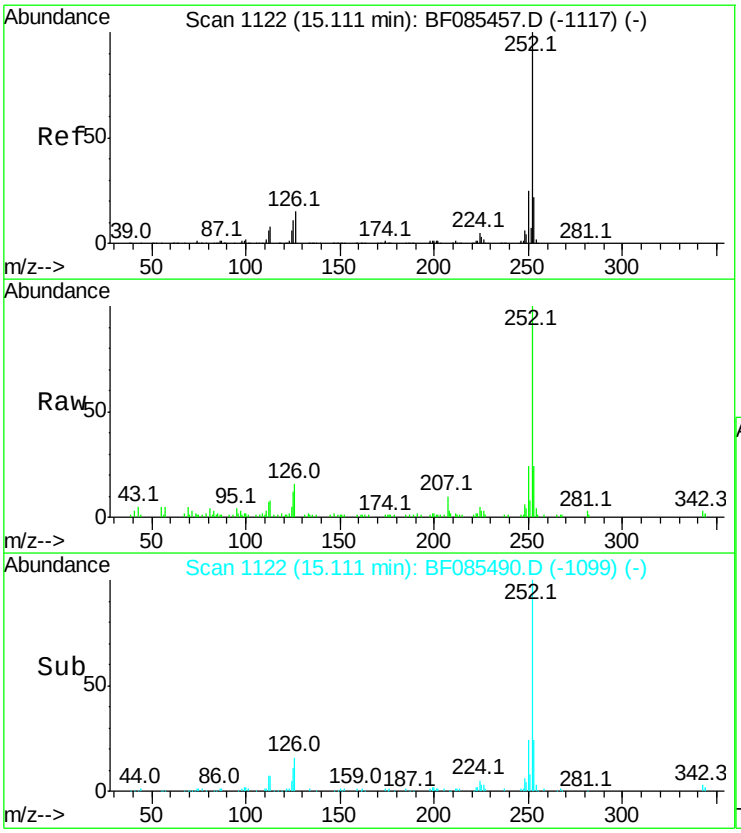
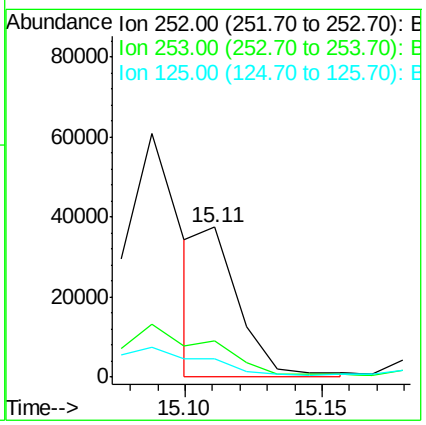
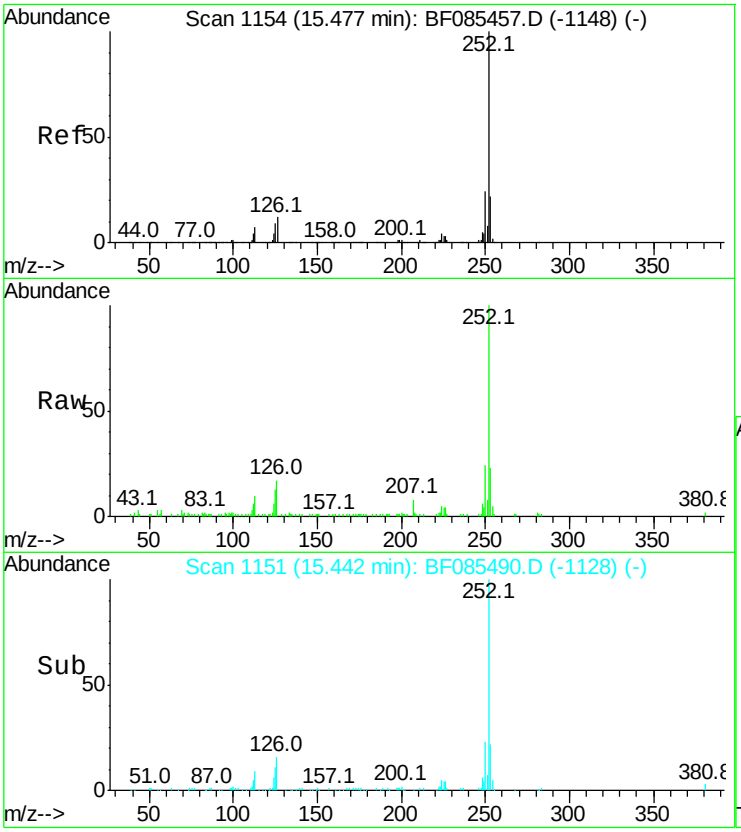


#88
Benzo(k)fluoranthene
Concen: 2.80 ng m
RT: 15.11 min Scan# 1122
Delta R.T. -0.03 min
Lab File: BF085490.D
Acq: 17 Mar 2016 4:48

Tgt Ion:252 Resp: 37097

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.6
125	12.4	10.4	15.6





#89
Benzo(a)pyrene
Concen: 4.82 ng
RT: 15.44 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF085490.D
Acq: 17 Mar 2016 4:48

Tgt Ion:252 Resp: 70500

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	13.3	8.2	12.4#

Instrument :
BNA_F
ClientSampleId :
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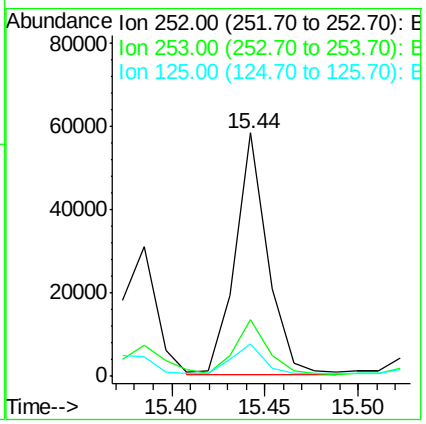

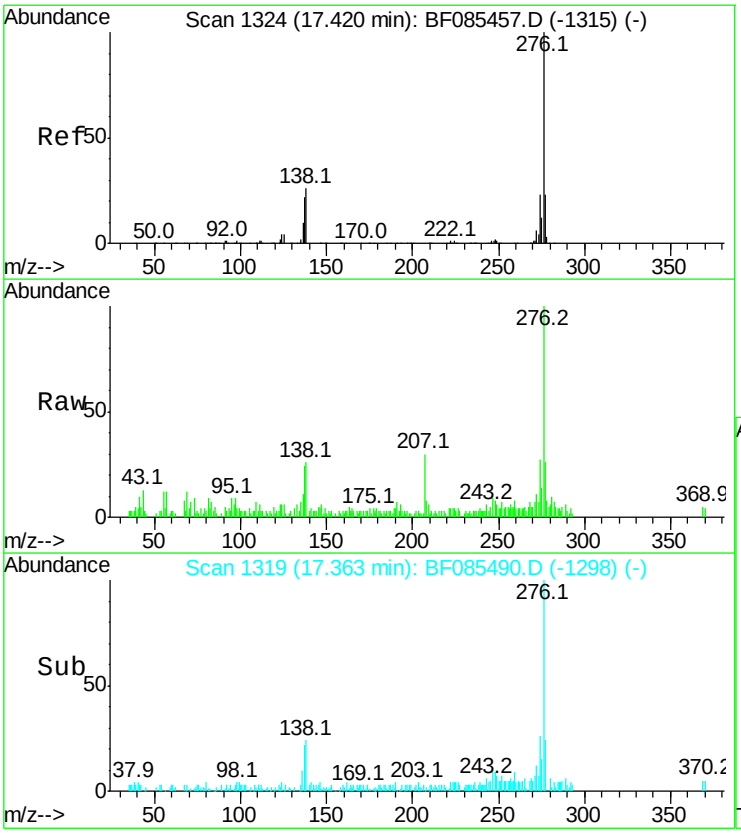

#91
Benzo(g,h,i)perylene
Concen: 2.12 ng
RT: 17.36 min Scan# 1319
Delta R.T. -0.06 min
Lab File: BF085490.D
Acq: 17 Mar 2016 4:48

Tgt Ion:276 Resp: 30950

Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.0	28.4
138	25.9	22.5	33.7