Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085583.D
Acq On : 19 Mar 2016 20:00
Operator : UM/SJ
Sample : H1799-02 25X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB29(11-13)

Manual Integrations APPROVED
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Quant Time: Mar 21 11:48:45 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	124035m	20.00	ng		-0.01
21) Naphthalene-d8	8.14	136	517046	20.00	ng		0.00
38) Acenaphthene-d10	9.89	164	226071	20.00	ng		-0.01
63) Phenanthrene-d10	11.37	188	402850	20.00	ng		-0.01
75) Chrysene-d12	14.00	240	250489	20.00	ng		-0.01
86) Perylene-d12	15.43	264	265578	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.44	112	40022	5.42	ng		-0.01
7) Phenol-d6	6.48	99	51551	5.44	ng		-0.01
23) Nitrobenzene-d5	7.41	82	29985	3.37	ng		-0.02
41) 2,4,6-Tribromophenol	10.68	330	9226	4.17	ng		-0.01
44) 2-Fluorobiphenyl	9.21	172	64779	2.61	ng		-0.01
78) Terphenyl-d14	12.95	244	41898	4.03	ng		-0.01
Target Compounds							Qvalue
30) 1,2,4-Trichlorobenzene	8.08	180	28454	3.61	ng		97
31) Naphthalene	8.17	128	2720768	104.25	ng		99
37) 2-Methylnaphthalene	8.86	142	1130857	71.09	ng		98
45) 1,1'-Biphenyl	9.32	154	187346	9.61	ng		93
48) Acenaphthylene	9.75	152	89000	3.86	ng	#	91
51) Acenaphthene	9.92	154	217613	15.04	ng		97
54) Dibenzofuran	10.09	168	68394	3.88	ng	#	82
57) Fluorene	10.44	166	278640	18.98	ng		99
70) Phenanthrene	11.40	178	998192	46.99	ng		99
71) Anthracene	11.45	178	353390	15.87	ng		98
74) Fluoranthene	12.59	202	307500	13.83	ng		97
77) Pyrene	12.81	202	503643	28.00	ng		100
80) Benzo(a)anthracene	13.99	228	123364	8.48	ng		94
82) Chrysene	14.03	228	86599m	6.19	ng		
85) Indeno(1,2,3-cd)pyrene	16.83	276	37258	3.19	ng		92
87) Benzo(b)fluoranthene	15.03	252	80190m	4.63	ng		
89) Benzo(a)pyrene	15.37	252	96842	6.59	ng		98
91) Benzo(g,h,i)perylene	17.24	276	42056	3.55	ng		98

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

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ClientSampleId :
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Manual Integrations APPROVED
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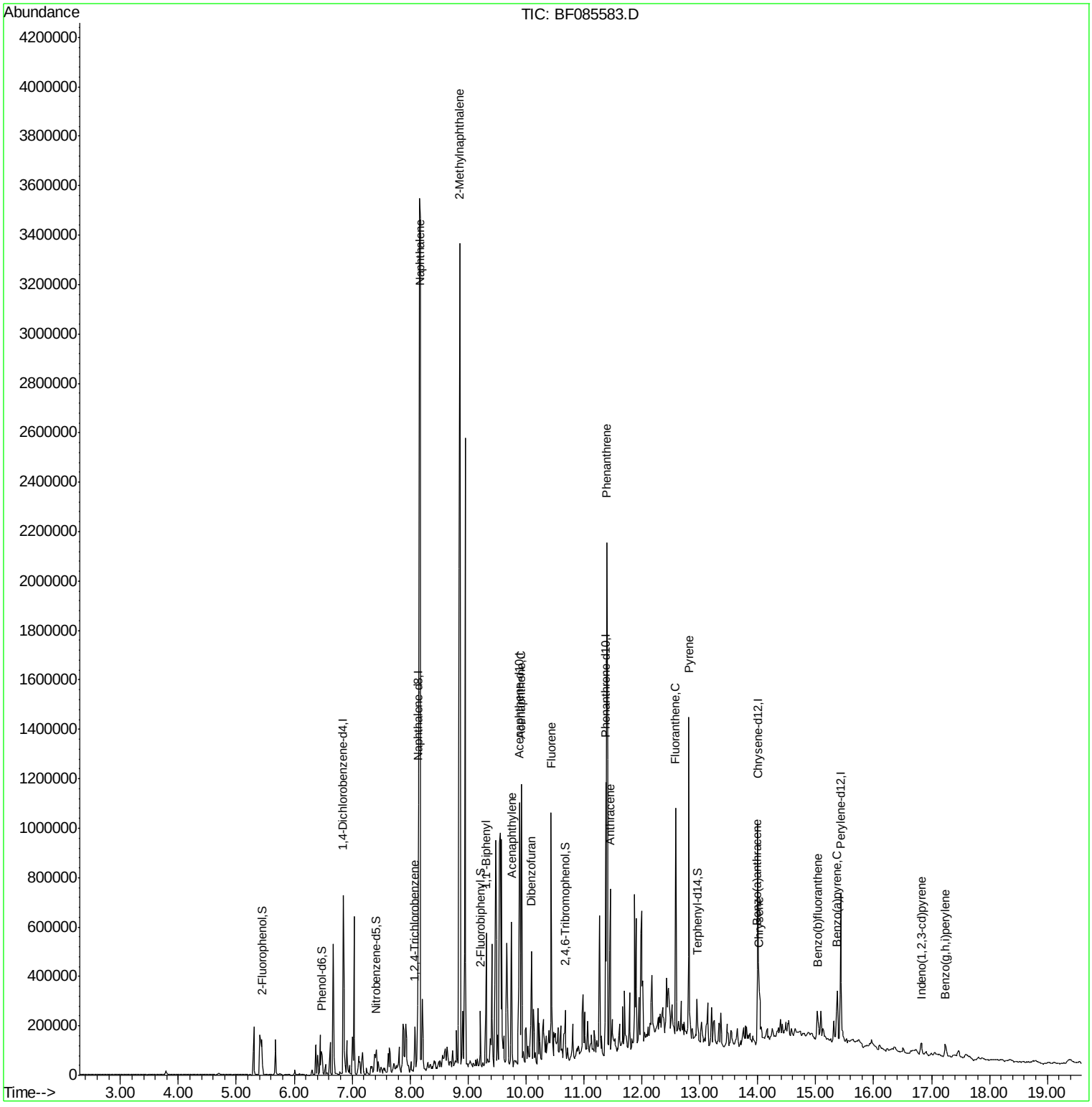
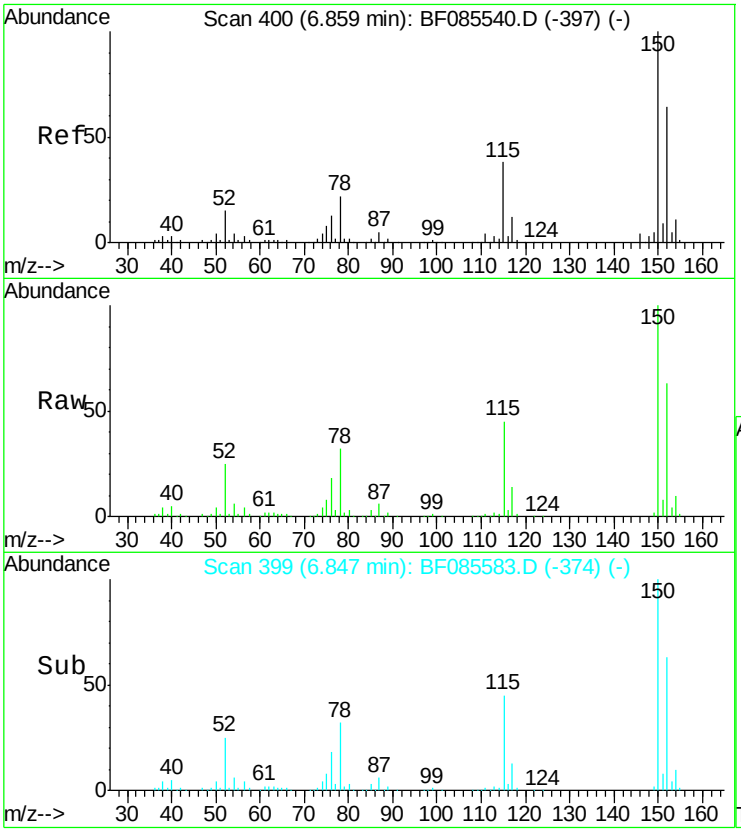
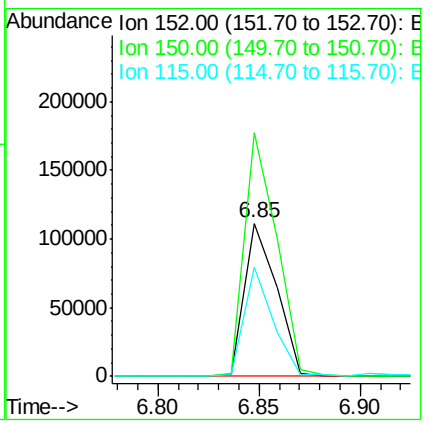




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.85 min Scan# 399
Delta R.T. -0.01 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion:152 Resp: 124035

Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.2	186.2
115	71.1	47.0	70.6#



Instrument :
BNA_F
ClientSampleId :
AOU2-SB29(11-13)

Manual Integrations APPROVED
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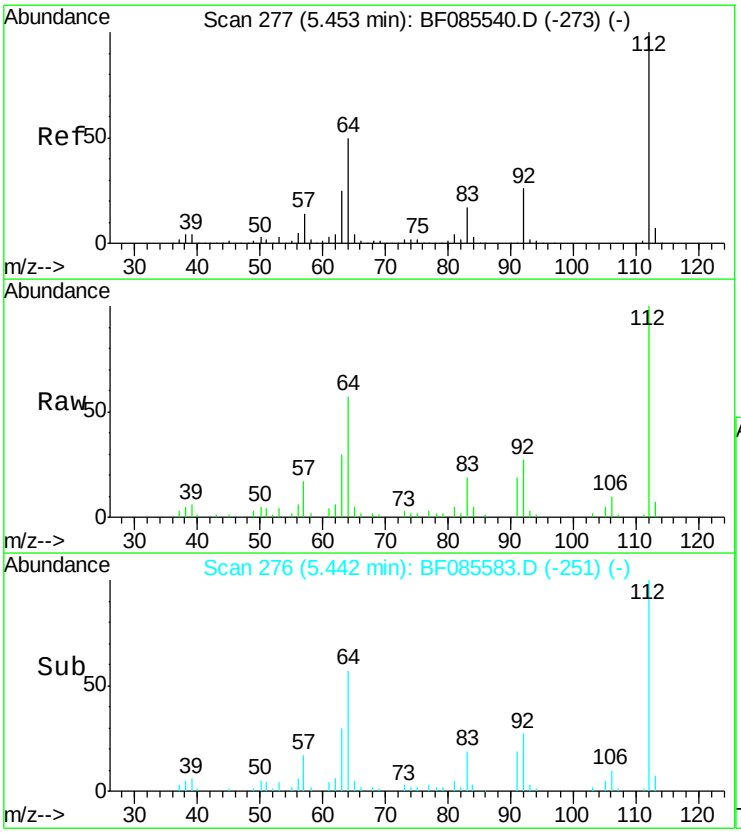
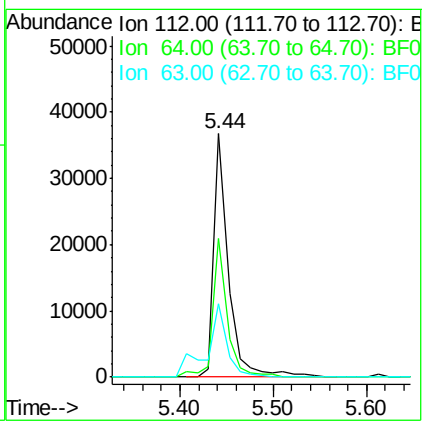
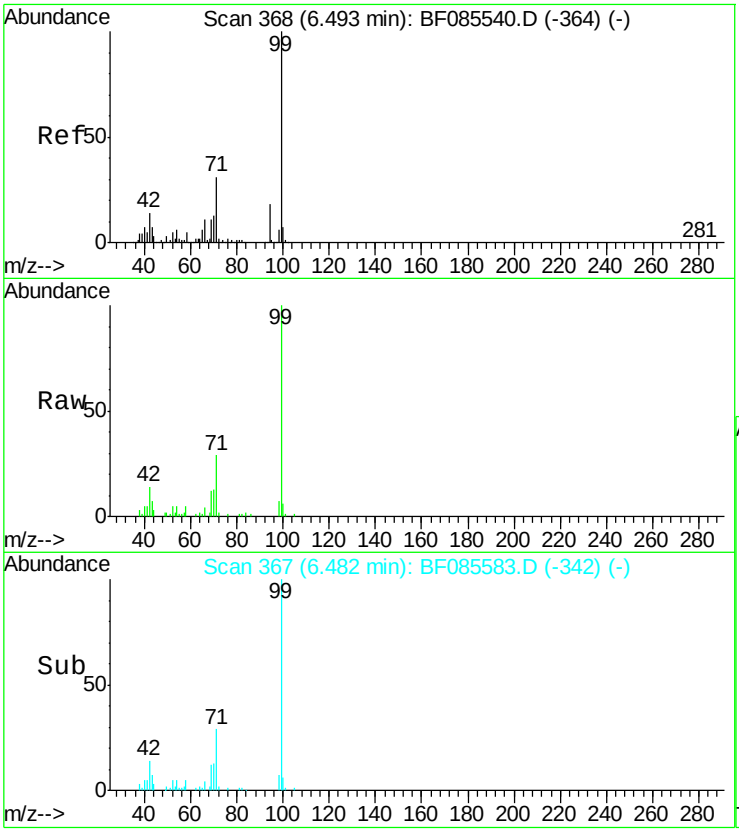


#5
2-Fluorophenol
Concen: 5.42 ng
RT: 5.44 min Scan# 276
Delta R.T. -0.01 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion:112 Resp: 40022

Ion	Ratio	Lower	Upper
112	100		
64	57.0	39.9	59.9
63	29.9	20.2	30.2

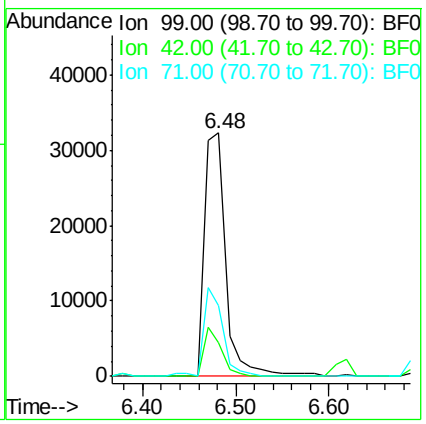




#7
Phenol-d6
Concen: 5.44 ng
RT: 6.48 min Scan# 367
Delta R.T. -0.01 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion: 99 Resp: 51551

Ion	Ratio	Lower	Upper
99	100		
42	14.0	11.1	16.7
71	29.3	24.9	37.3



Instrument :
BNA_F
ClientSampleId :
AOU2-SB29(11-13)

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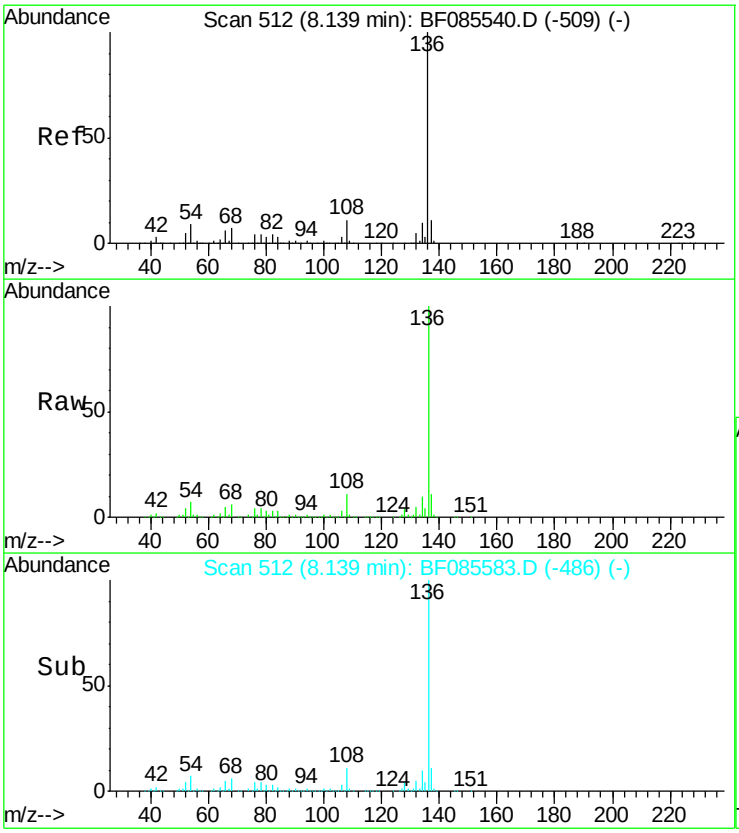
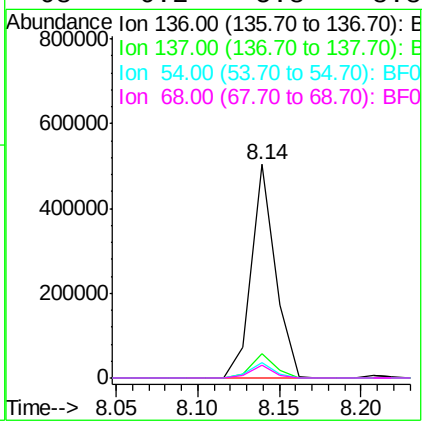
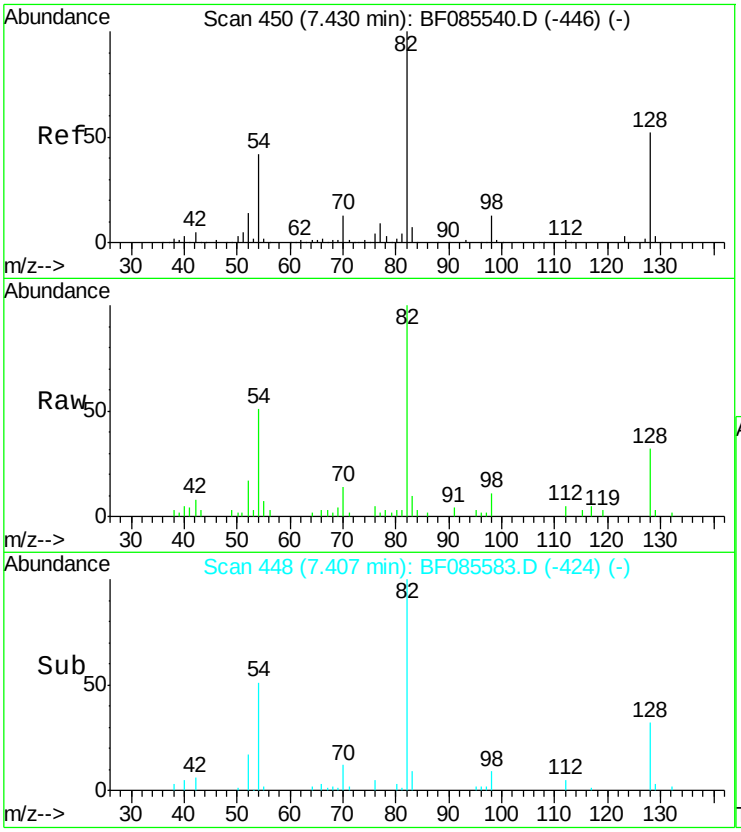


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 512
Delta R.T. 0.00 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion:136 Resp: 517046

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	7.5	7.4	11.0
68	6.2	5.8	8.8

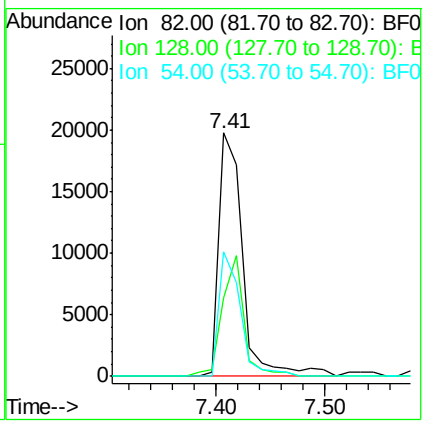




#23
Nitrobenzene-d5
Concen: 3.37 ng
RT: 7.41 min Scan# 448
Delta R.T. -0.02 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion: 82 Resp: 29985

Ion	Ratio	Lower	Upper
82	100		
128	32.2	41.8	62.8#
54	51.4	33.4	50.0#



Instrument :
BNA_F
ClientSampleId :
AOU2-SB29(11-13)

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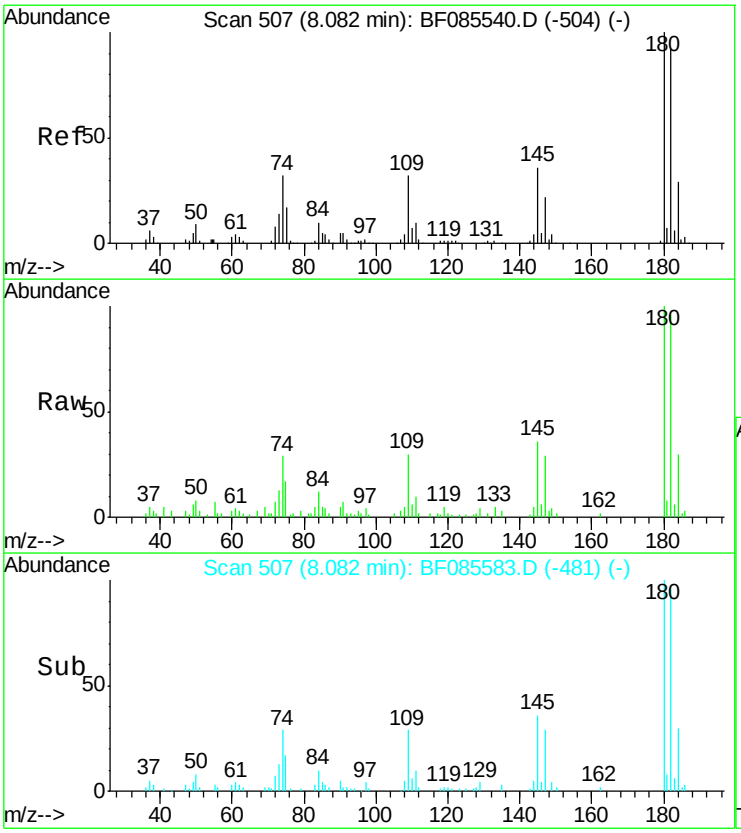
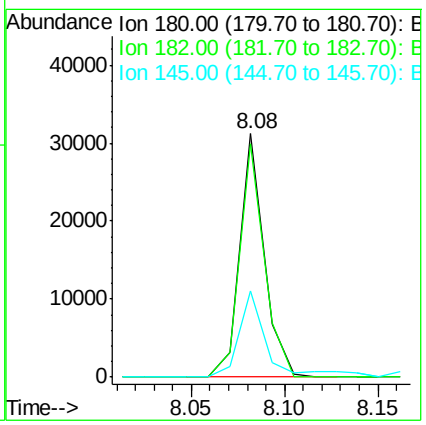
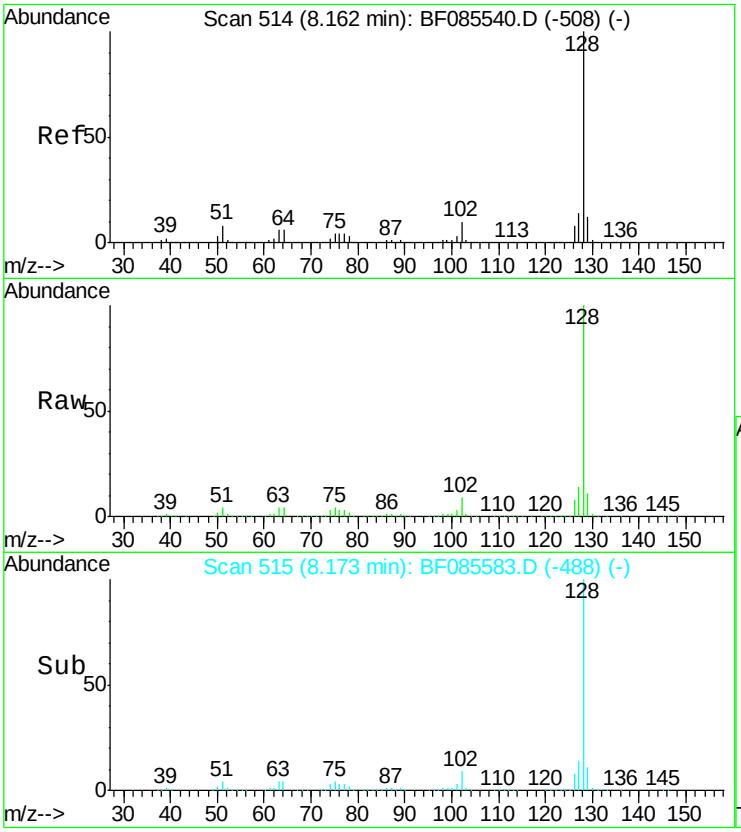


#30
1,2,4-Trichlorobenzene
Concen: 3.61 ng
RT: 8.08 min Scan# 507
Delta R.T. 0.00 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion:180 Resp: 28454

Ion	Ratio	Lower	Upper
180	100		
182	95.9	73.8	110.8
145	35.6	28.4	42.6

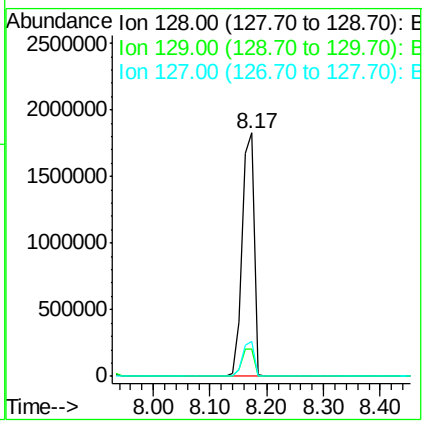




#31
Naphthalene
Concen: 104.25 ng
RT: 8.17 min Scan# 515
Delta R.T. 0.01 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion:128 Resp: 2720768

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.4	14.0
127	14.3	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
AOU2-SB29(11-13)

Manual Integrations APPROVED
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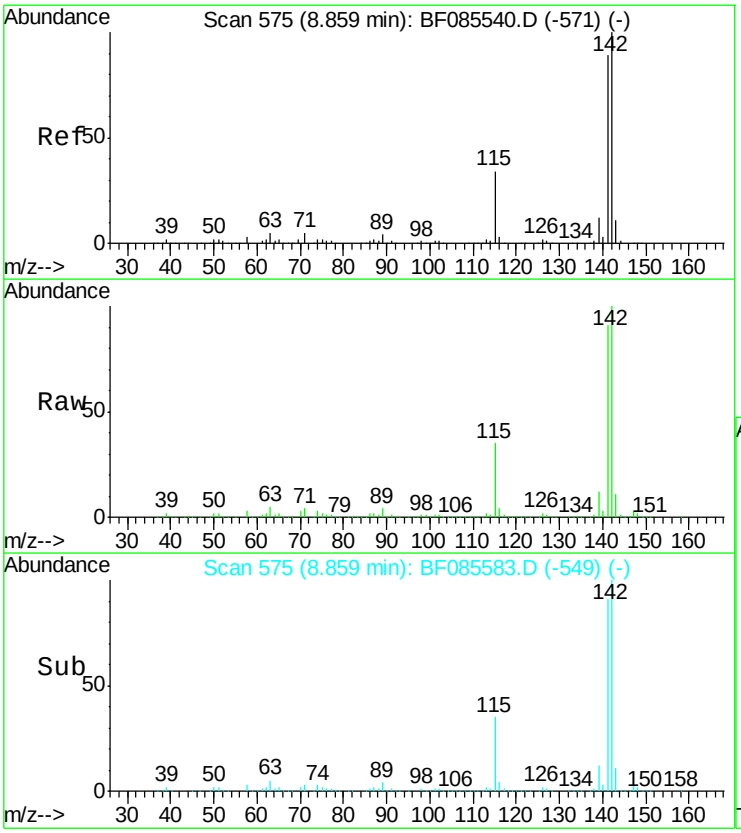
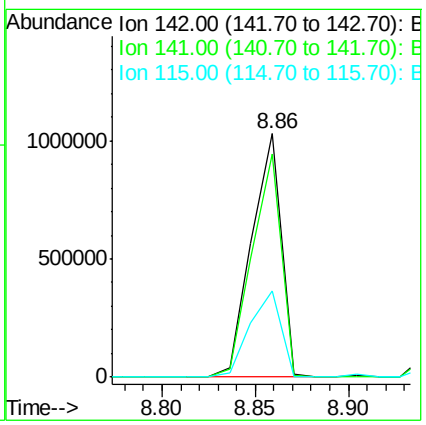
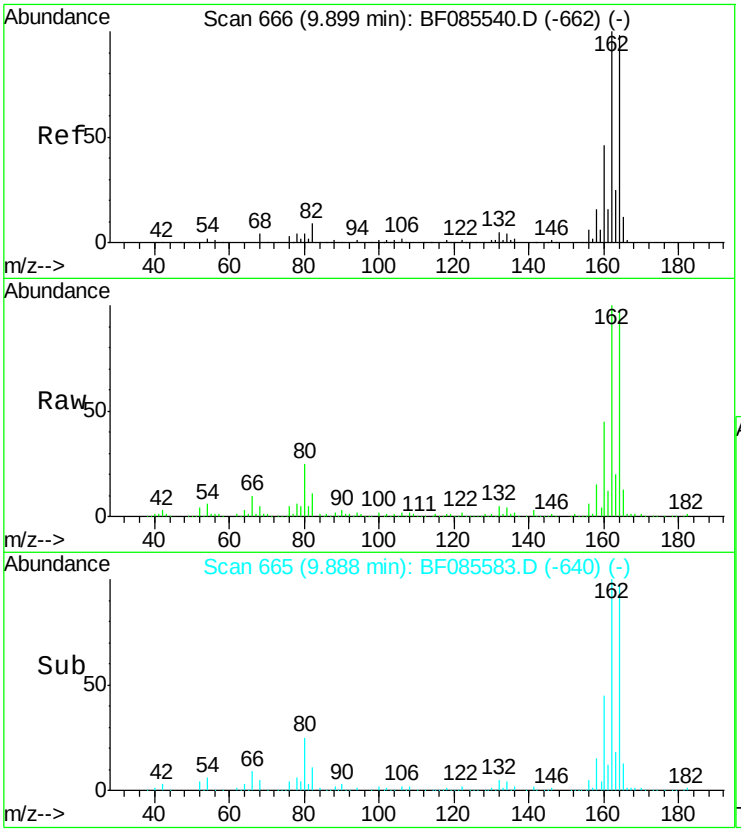


#37
2-Methylnaphthalene
Concen: 71.09 ng
RT: 8.86 min Scan# 575
Delta R.T. 0.00 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion:142 Resp: 1130857

Ion	Ratio	Lower	Upper
142	100		
141	91.4	71.6	107.4
115	35.1	26.8	40.2

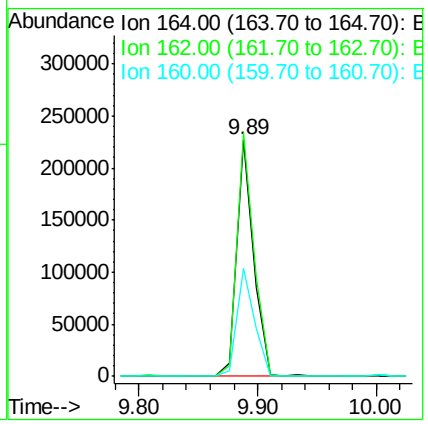




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 665
Delta R.T. -0.01 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion:164 Resp: 226071

Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.1	123.1
160	45.9	37.4	56.2



Instrument :
BNA_F
ClientSampleId :
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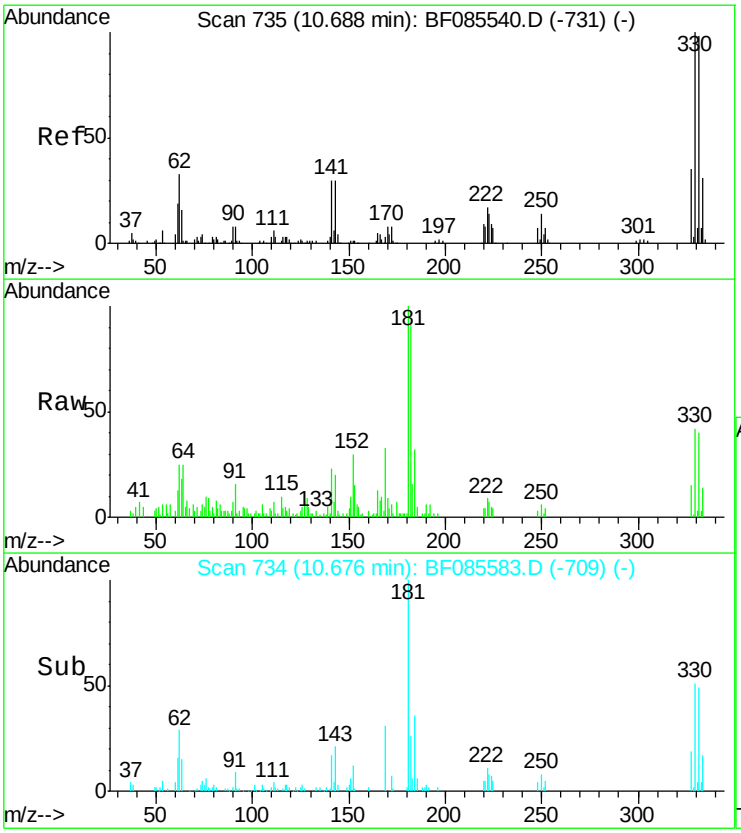
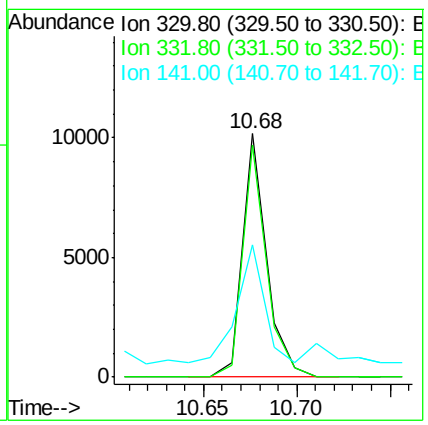
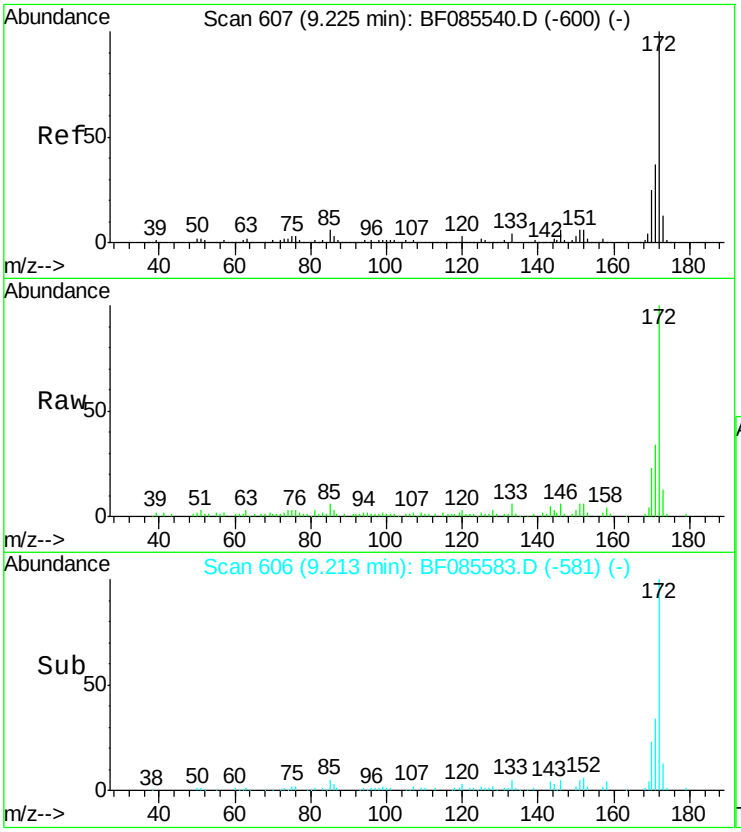


#41
2,4,6-Tribromophenol
Concen: 4.17 ng
RT: 10.68 min Scan# 734
Delta R.T. -0.01 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion:330 Resp: 9226

Ion	Ratio	Lower	Upper
330	100		
332	94.4	78.2	117.2
141	54.3	31.5	47.3#

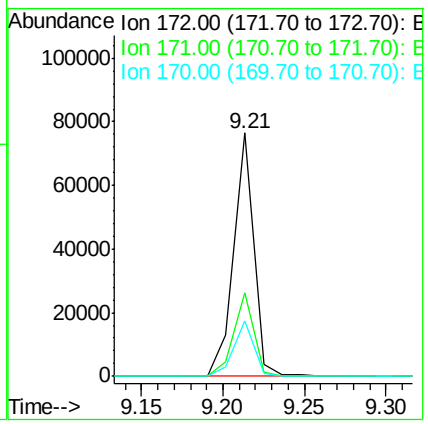




#44
2-Fluorobiphenyl
Concen: 2.61 ng
RT: 9.21 min Scan# 606
Delta R.T. -0.01 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion:172 Resp: 64779

Ion	Ratio	Lower	Upper
172	100		
171	34.3	29.4	44.2
170	23.0	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
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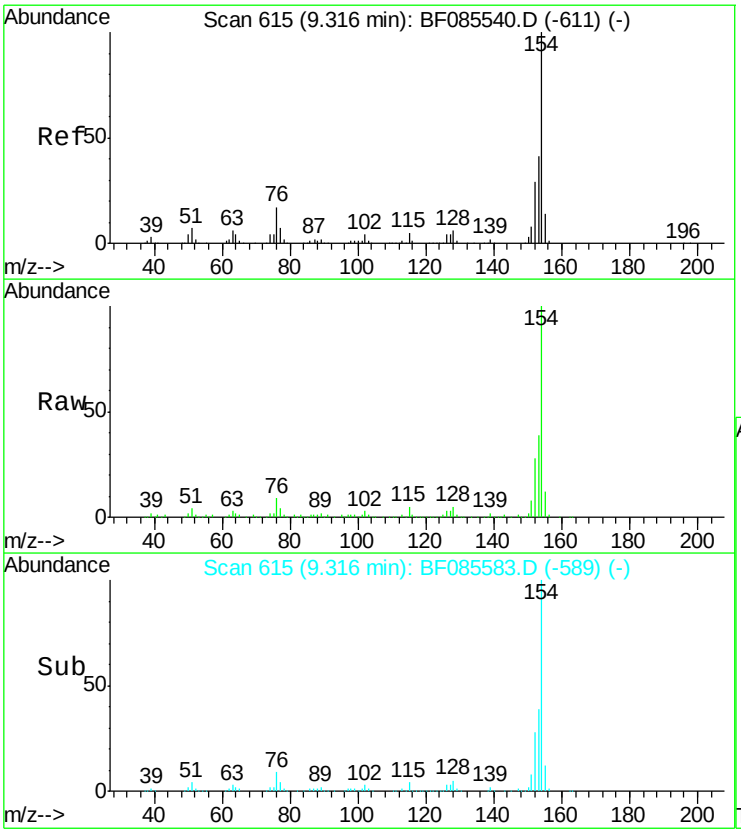
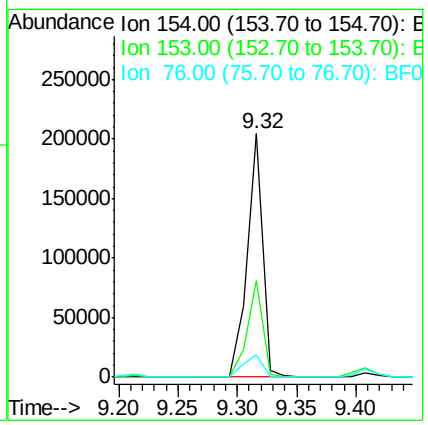
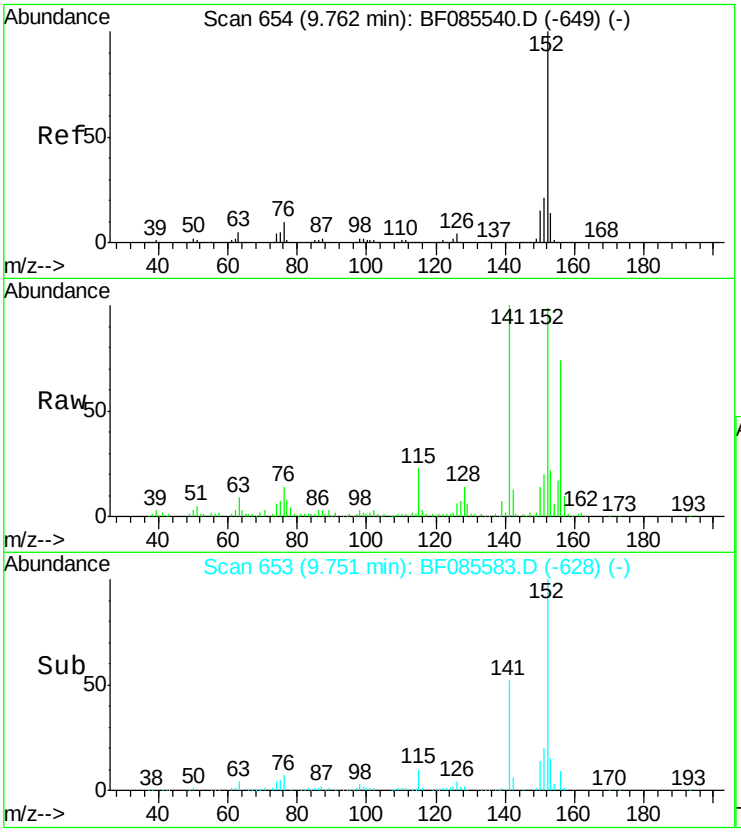


#45
1,1'-Biphenyl
Concen: 9.61 ng
RT: 9.32 min Scan# 615
Delta R.T. 0.00 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion:154 Resp: 187346

Ion	Ratio	Lower	Upper
154	100		
153	39.4	20.8	60.8
76	9.1	0.0	36.7

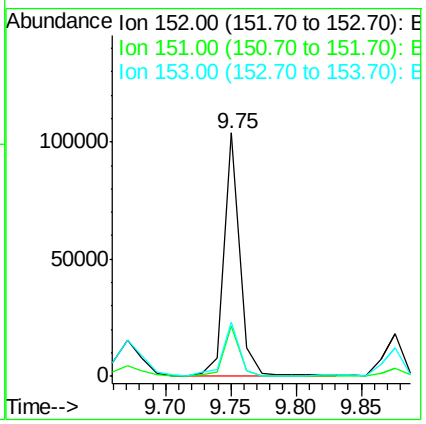




#48
Acenaphthylene
Concen: 3.86 ng
RT: 9.75 min Scan# 653
Delta R.T. -0.01 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion:152 Resp: 89000

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.8	25.2
153	22.3	10.9	16.3#



Instrument :
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Manual Integrations APPROVED
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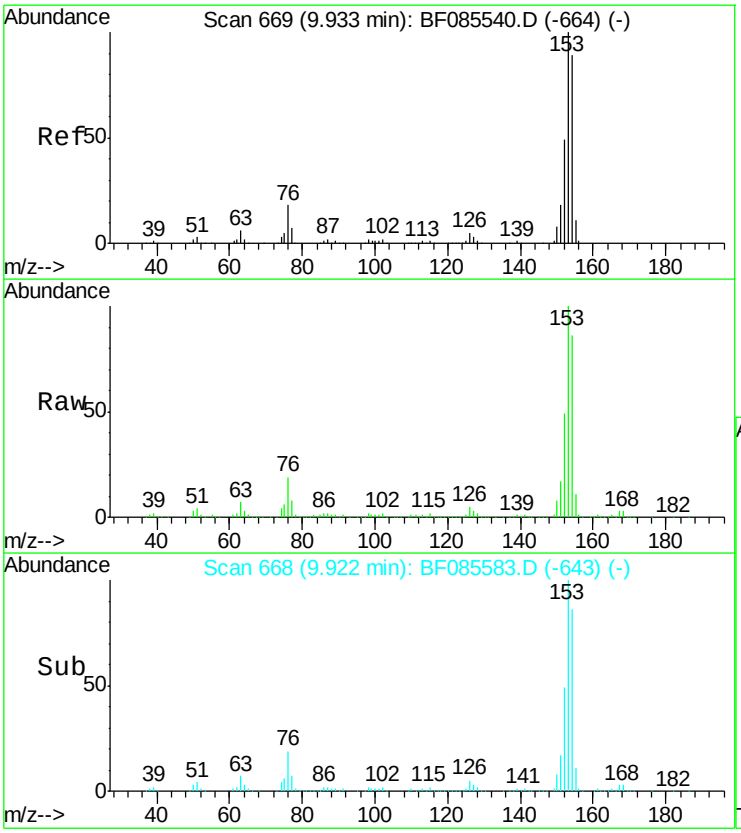
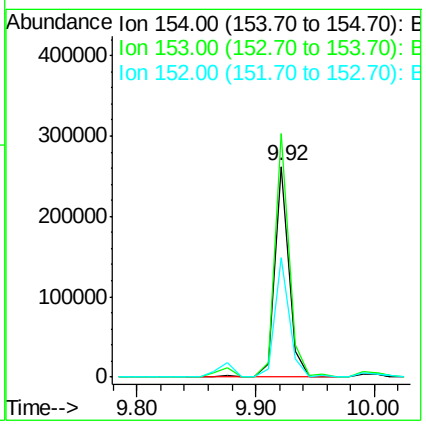
3/21/2016 5:08:39 PM

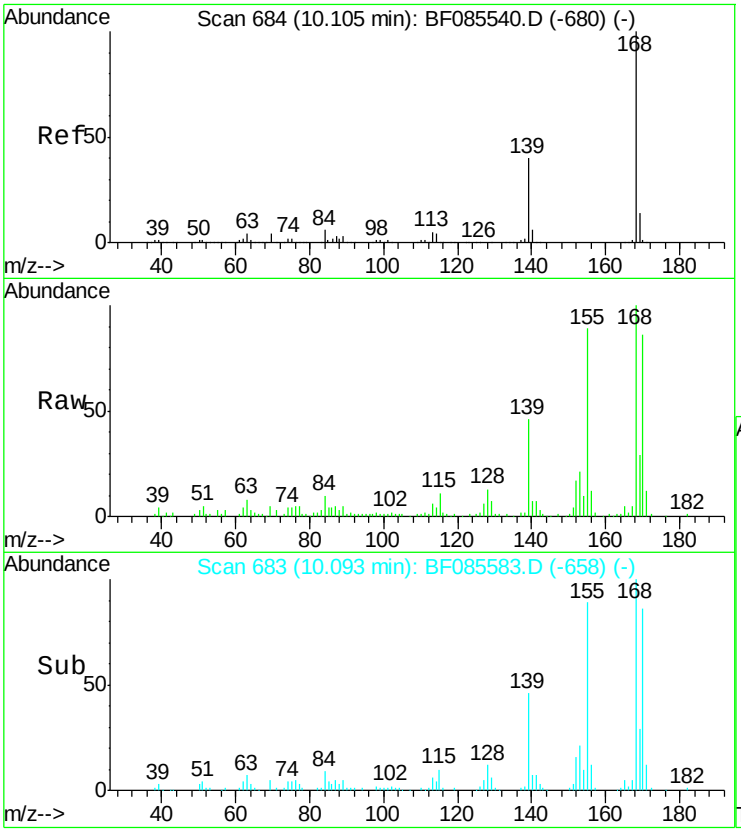


#51
Acenaphthene
Concen: 15.04 ng
RT: 9.92 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion:154 Resp: 217613

Ion	Ratio	Lower	Upper
154	100		
153	115.8	90.1	135.1
152	56.6	44.2	66.2

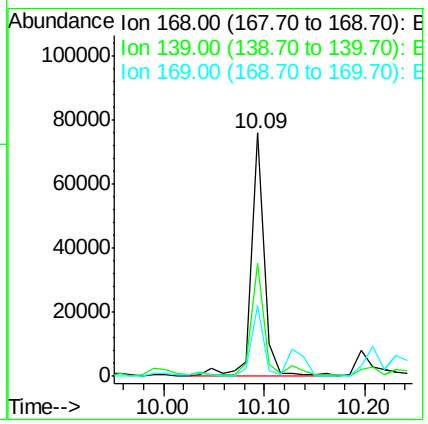




#54
Dibenzofuran
Concen: 3.88 ng
RT: 10.09 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion:168 Resp: 68394

Ion	Ratio	Lower	Upper
168	100		
139	46.4	31.9	47.9
169	29.3	11.0	16.6#



Instrument :
BNA_F
ClientSampleId :
AOU2-SB29(11-13)

Manual Integrations APPROVED
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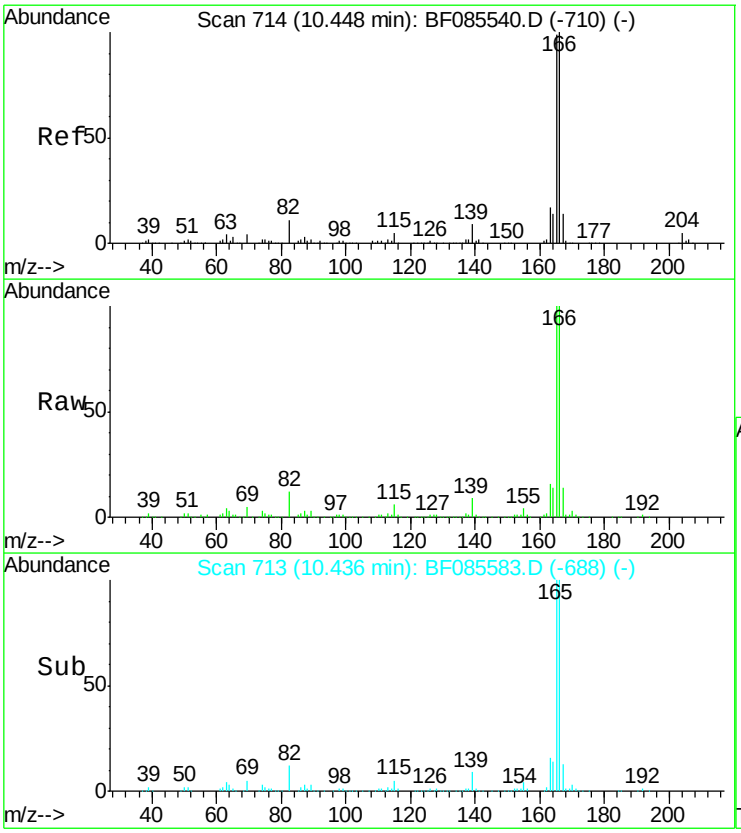
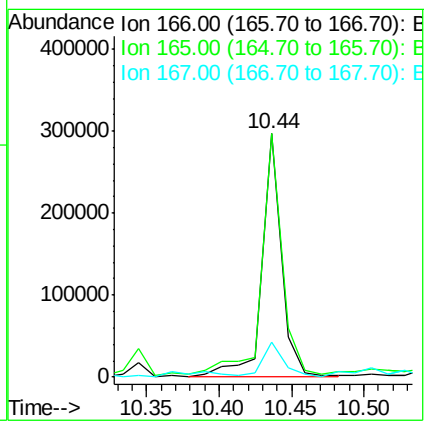
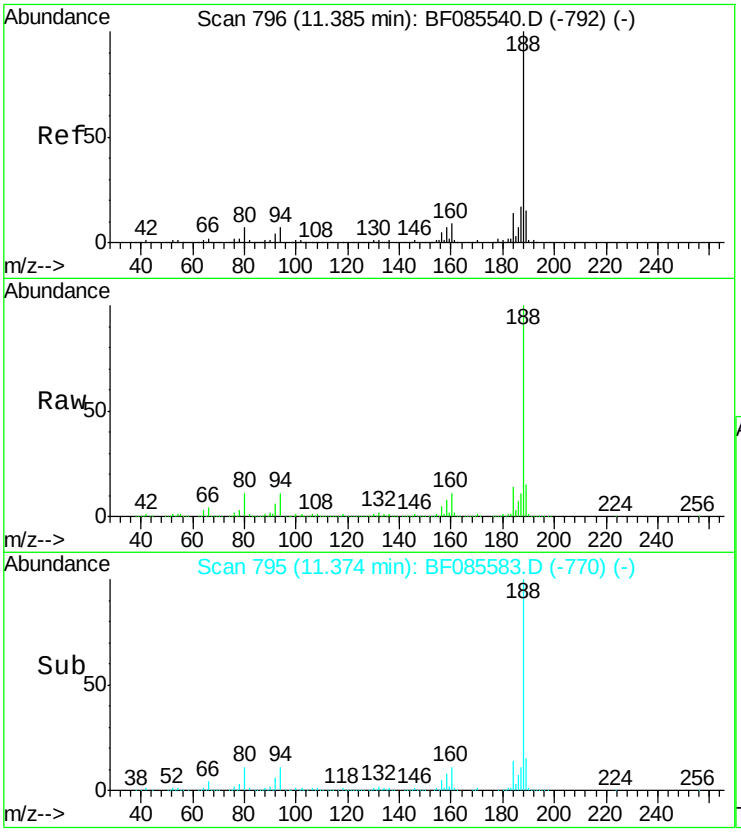


#57
Fluorene
Concen: 18.98 ng
RT: 10.44 min Scan# 713
Delta R.T. -0.01 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion:166 Resp: 278640

Ion	Ratio	Lower	Upper
166	100		
165	100.0	79.4	119.0
167	14.1	11.0	16.4

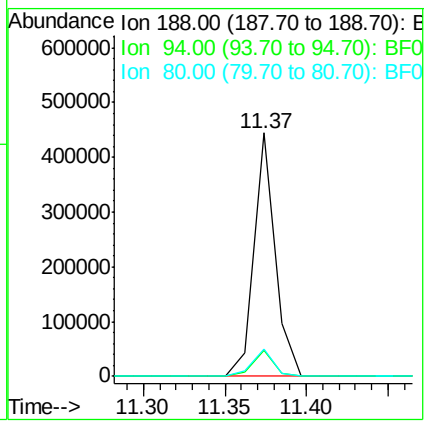




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion:188 Resp: 402850

Ion	Ratio	Lower	Upper
188	100		
94	10.8	5.4	8.0#
80	11.4	5.5	8.3#



Instrument :
BNA_F
ClientSampleId :
AOU2-SB29(11-13)

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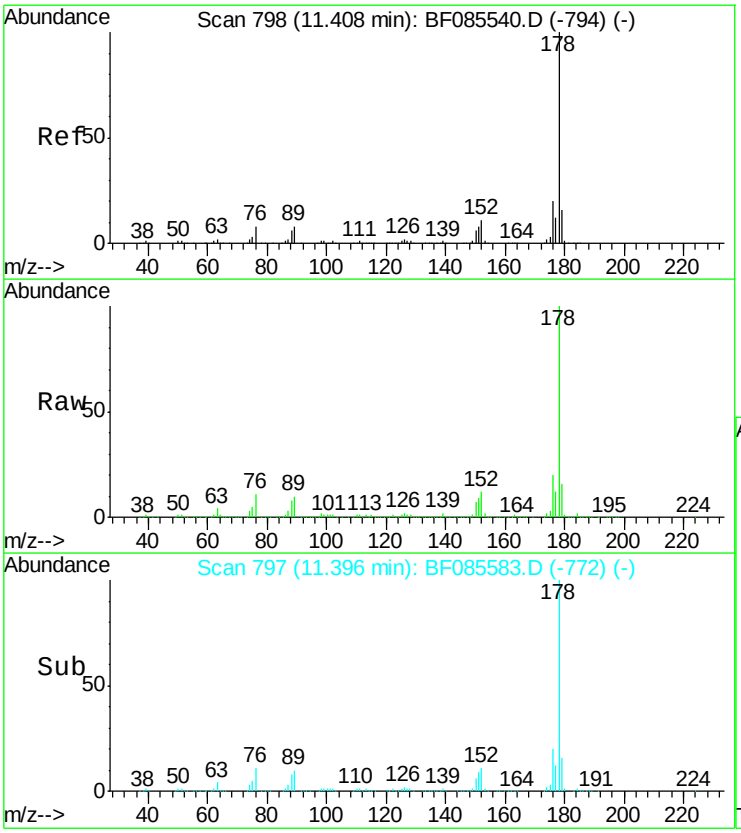
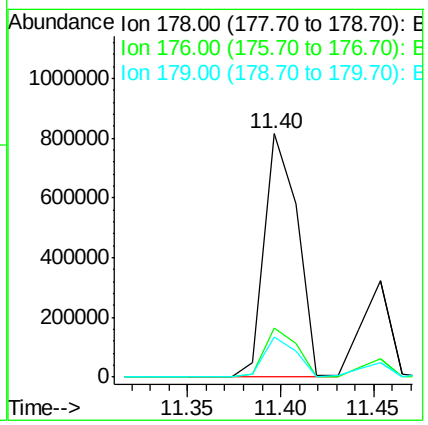
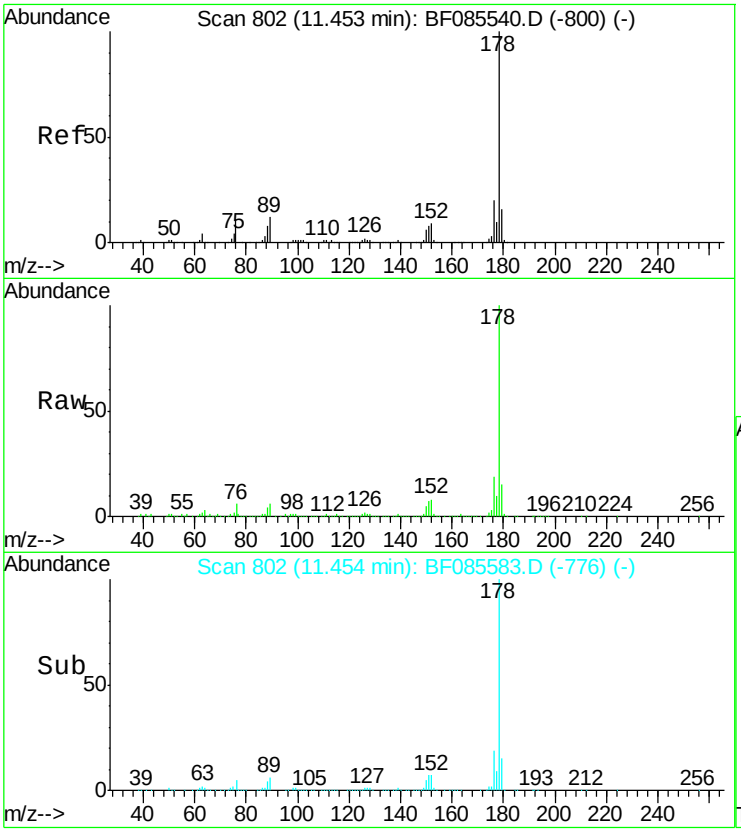


#70
Phenanthrene
Concen: 46.99 ng
RT: 11.40 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion:178 Resp: 998192

Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.3	24.5
179	16.2	12.6	18.8

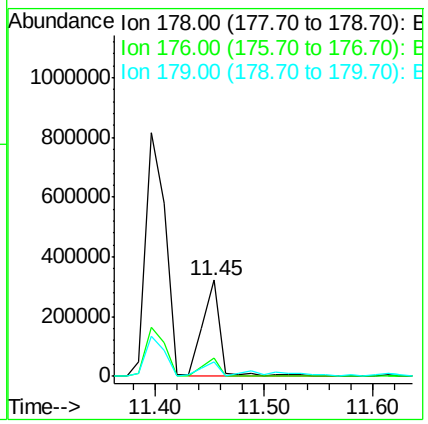




#71
Anthracene
Concen: 15.87 ng
RT: 11.45 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion:178 Resp: 353390

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.9	23.9
179	15.3	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
AOU2-SB29(11-13)

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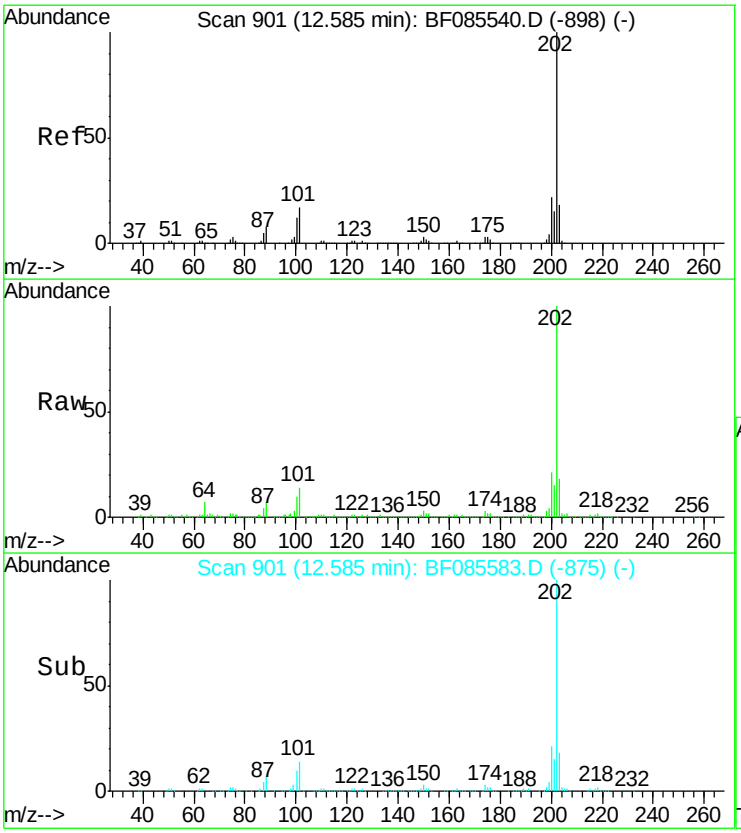
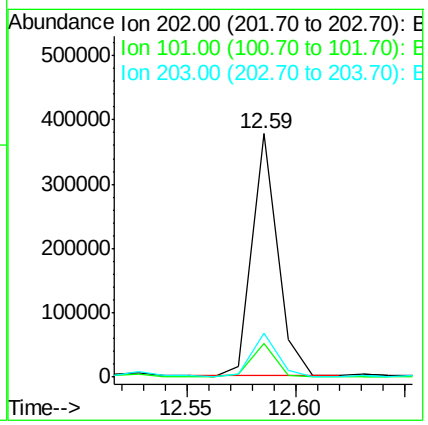
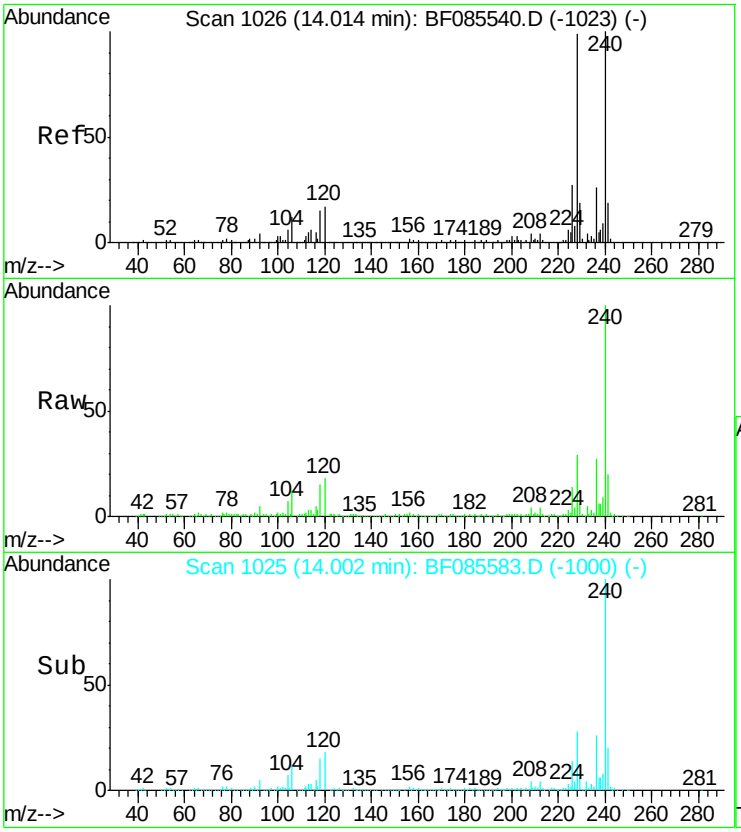


#74
Fluoranthene
Concen: 13.83 ng
RT: 12.59 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion:202 Resp: 307500

Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	36.6
203	18.0	0.0	38.1

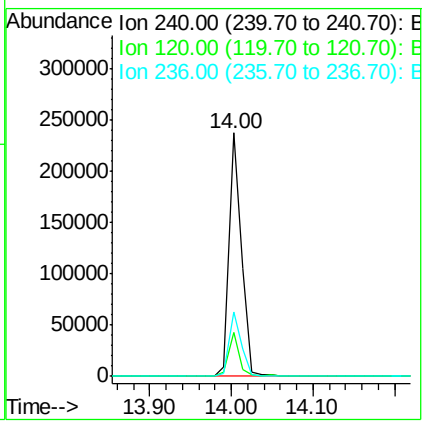




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion:240 Resp: 250489

Ion	Ratio	Lower	Upper
240	100		
120	18.0	13.8	20.8
236	26.6	20.6	30.8



Instrument :
BNA_F
ClientSampleId :
AOU2-SB29(11-13)

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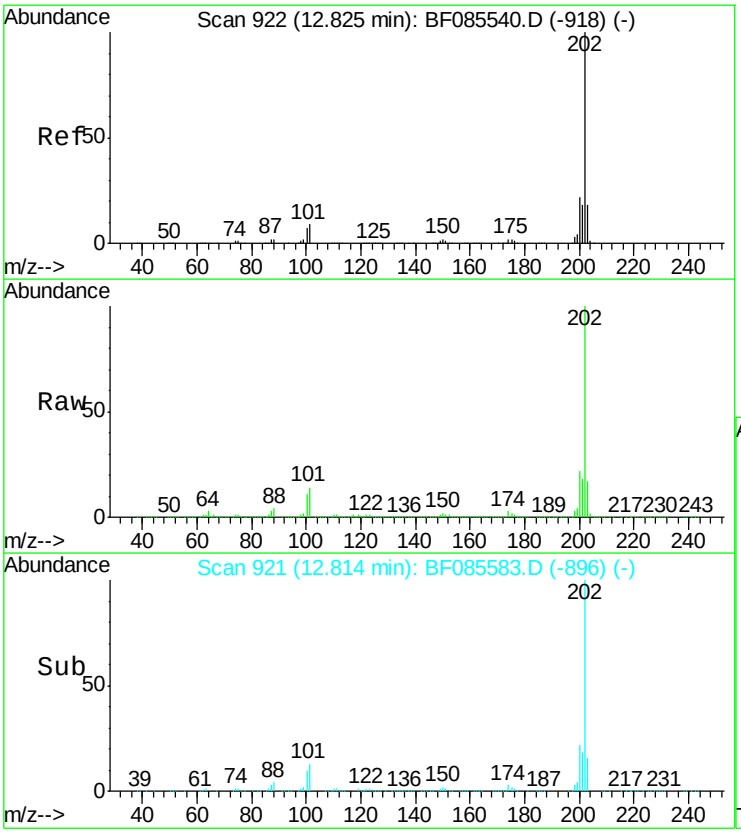
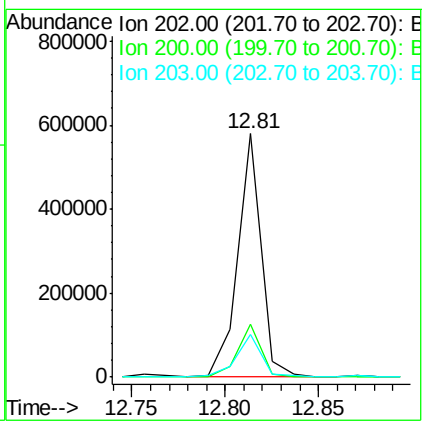
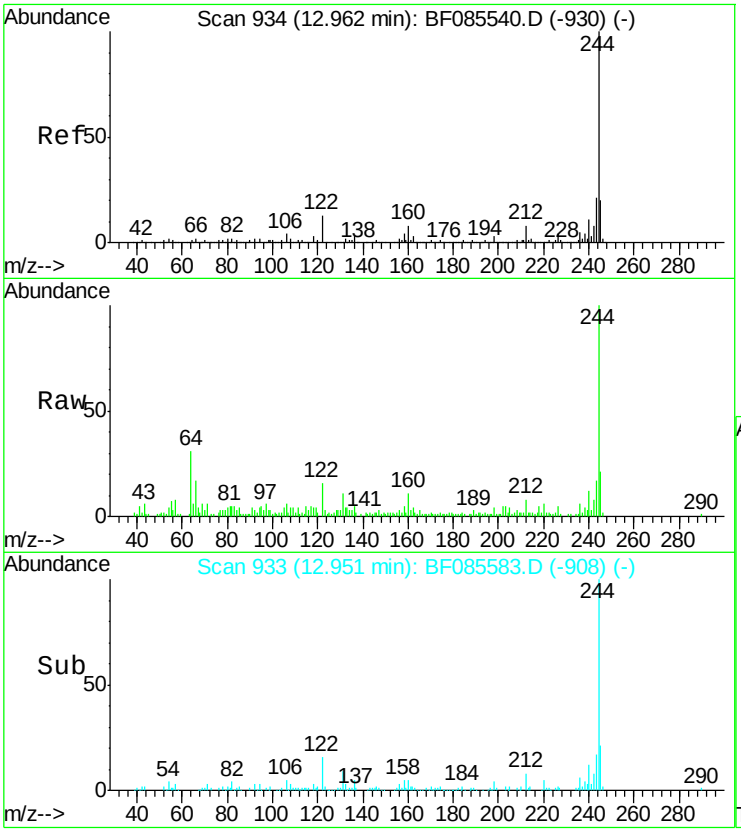


#77
Pyrene
Concen: 28.00 ng
RT: 12.81 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion:202 Resp: 503643

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.6	26.4
203	17.5	14.0	21.0

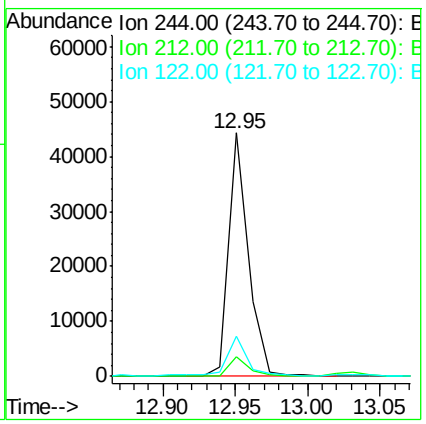




#78
Terphenyl-d14
Concen: 4.03 ng
RT: 12.95 min Scan# 933
Delta R.T. -0.01 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion:244 Resp: 41898

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.1	9.1
122	16.3	10.2	15.4#



Instrument :
BNA_F
ClientSampleId :
AOU2-SB29(11-13)

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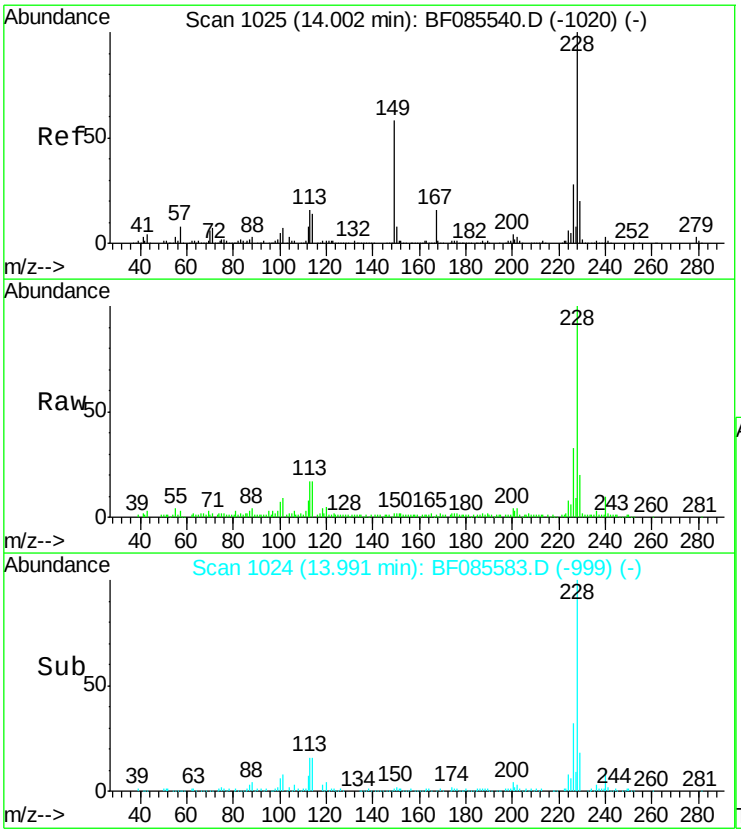
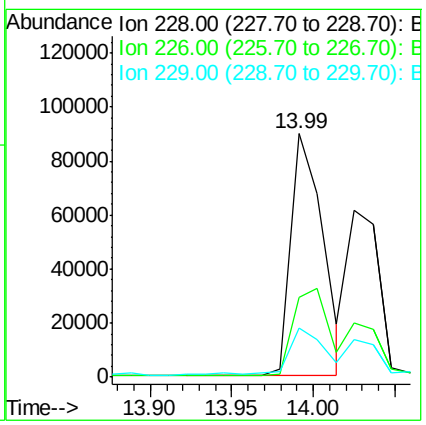
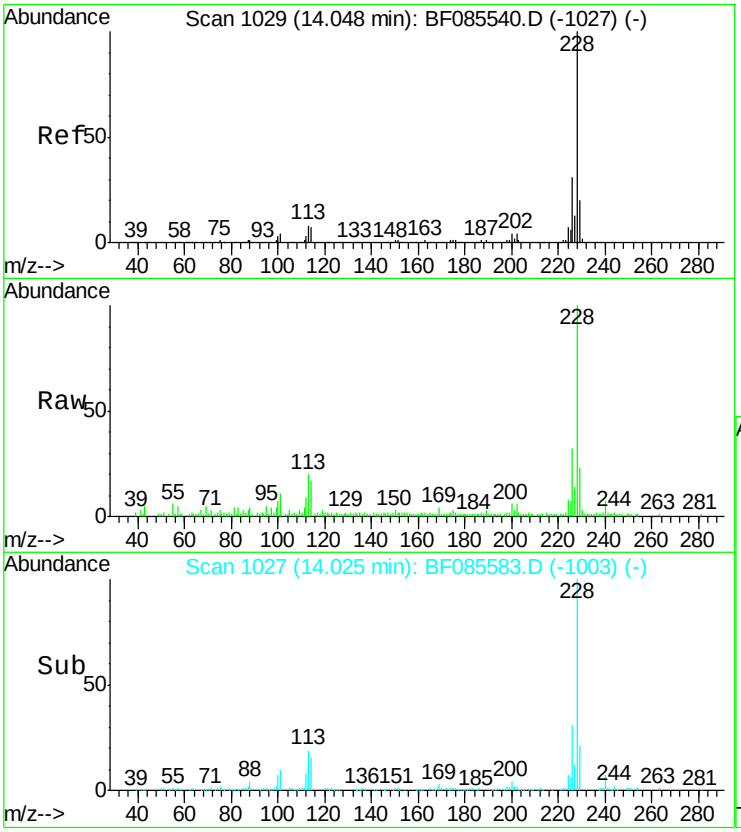


#80
Benzo(a)anthracene
Concen: 8.48 ng
RT: 13.99 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion:228 Resp: 123364

Ion	Ratio	Lower	Upper
228	100		
226	32.7	22.1	33.1
229	20.4	16.2	24.4

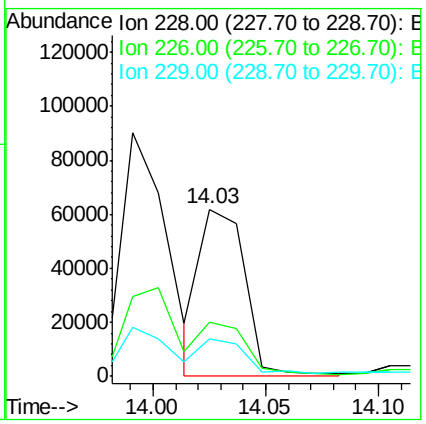




#82
Chrysene
Concen: 6.19 ng m
RT: 14.03 min Scan# 1027
Delta R.T. -0.02 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion:228 Resp: 86599

Ion	Ratio	Lower	Upper
228	100		
226	32.5	25.0	37.6
229	22.7	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
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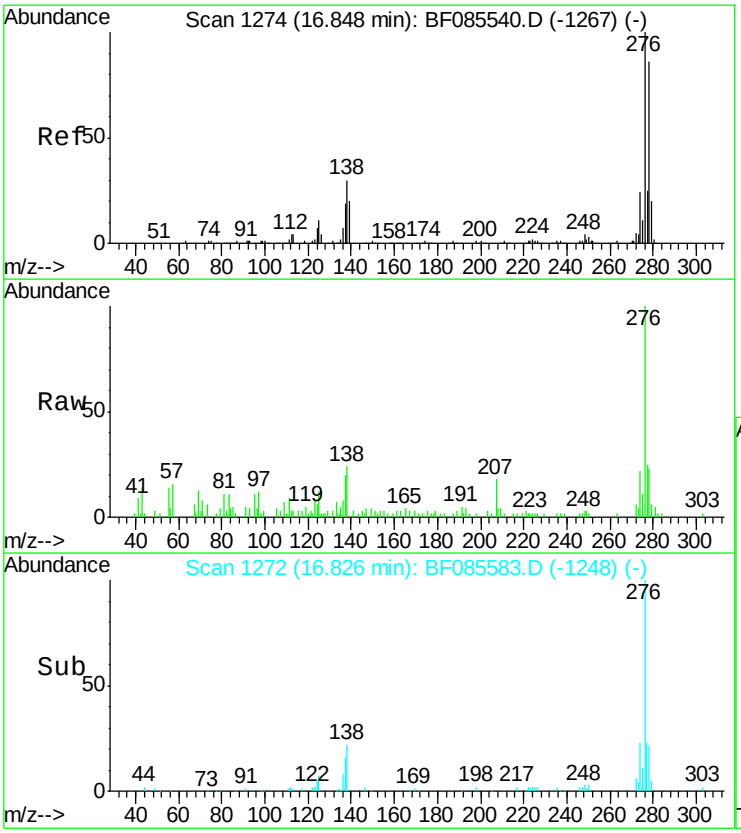
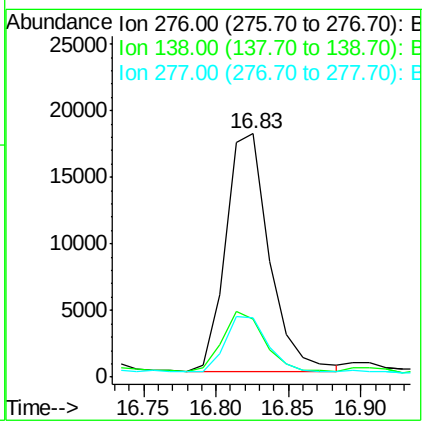
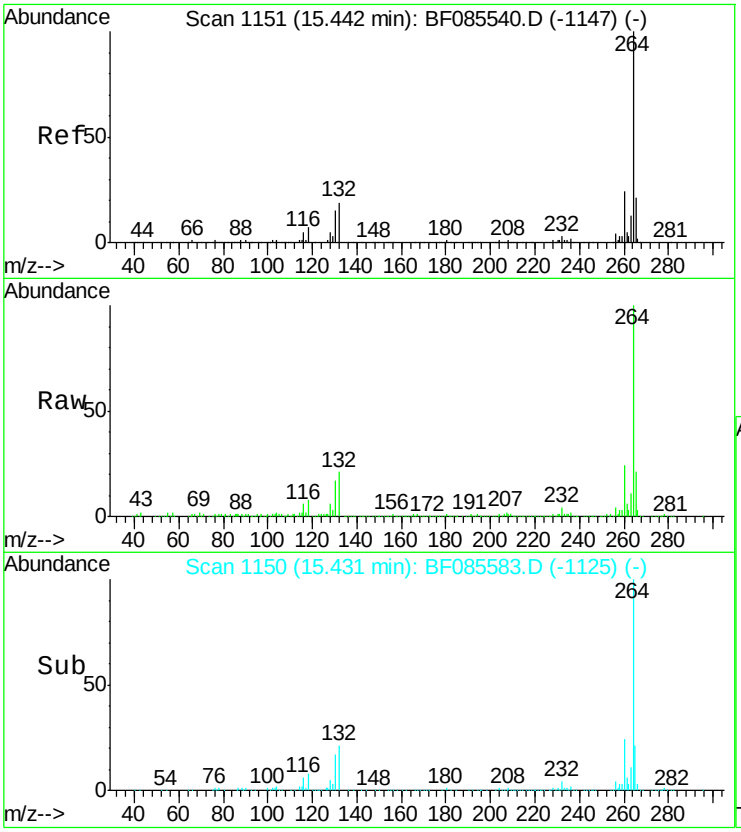


#85
Indeno(1,2,3-cd)pyrene
Concen: 3.19 ng
RT: 16.83 min Scan# 1272
Delta R.T. -0.02 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion:276 Resp: 37258

Ion	Ratio	Lower	Upper
276	100		
138	24.5	24.2	36.4
277	22.7	20.0	30.0

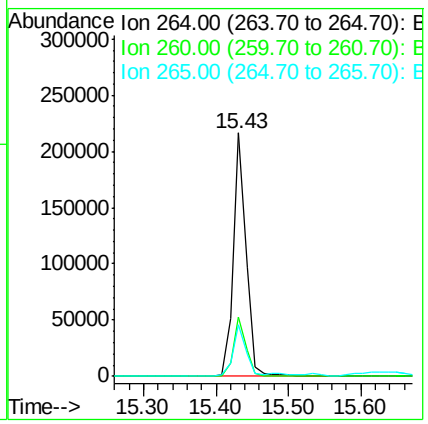




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion:264 Resp: 265578

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.2
265	21.4	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
AOU2-SB29(11-13)

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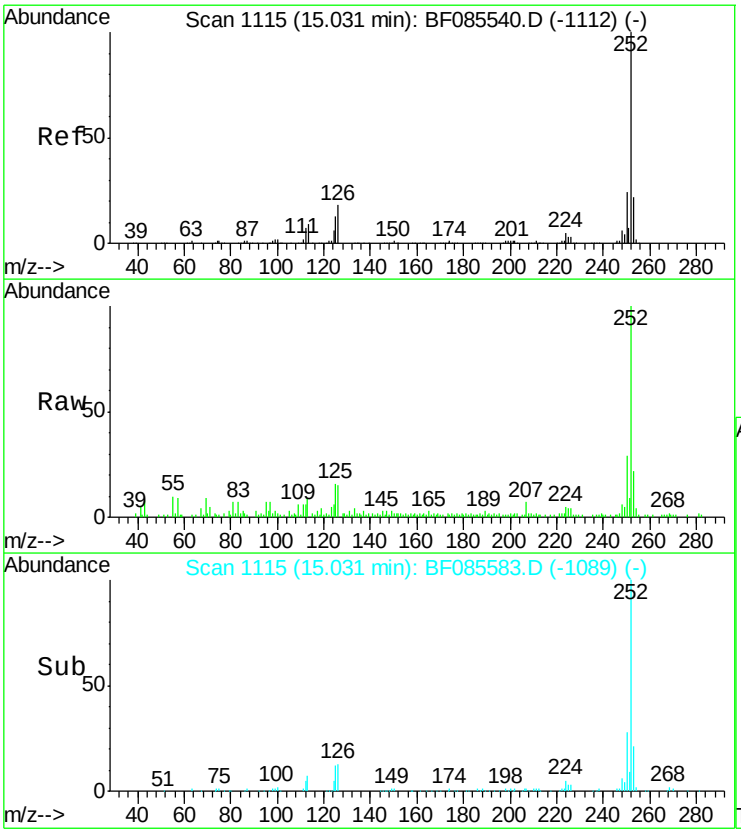
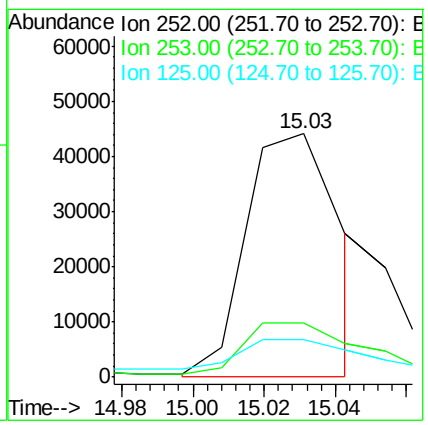
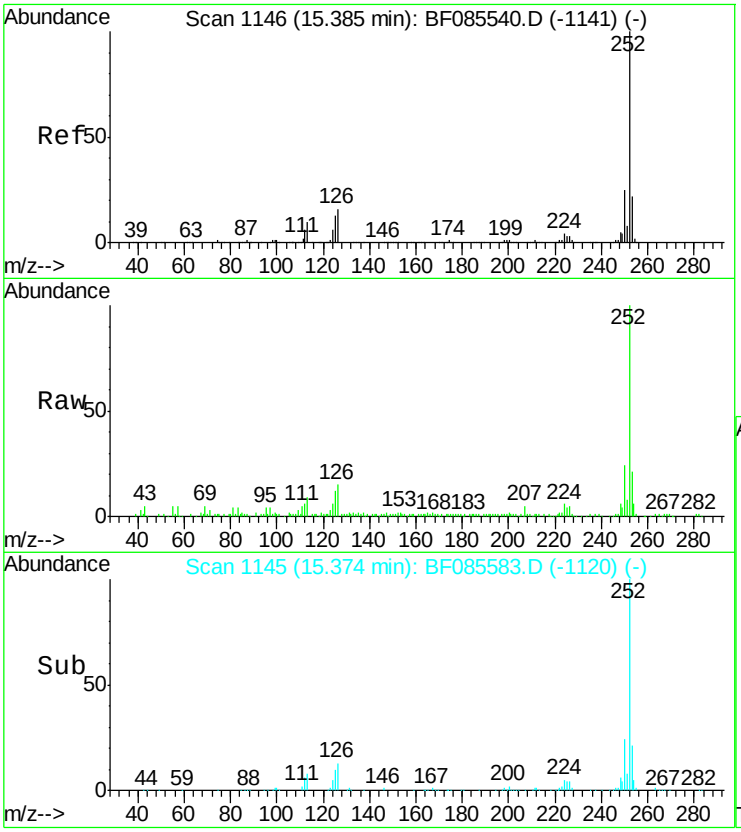


#87
Benzo(b)fluoranthene
Concen: 4.63 ng m
RT: 15.03 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion:252 Resp: 80190

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	15.6	10.3	15.5#

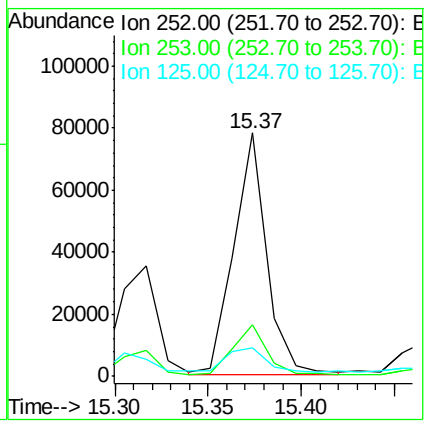




#89
Benzo(a)pyrene
Concen: 6.59 ng
RT: 15.37 min Scan# 1145
Delta R.T. -0.01 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion:252 Resp: 96842

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.4	26.0
125	11.7	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
AOU2-SB29(11-13)

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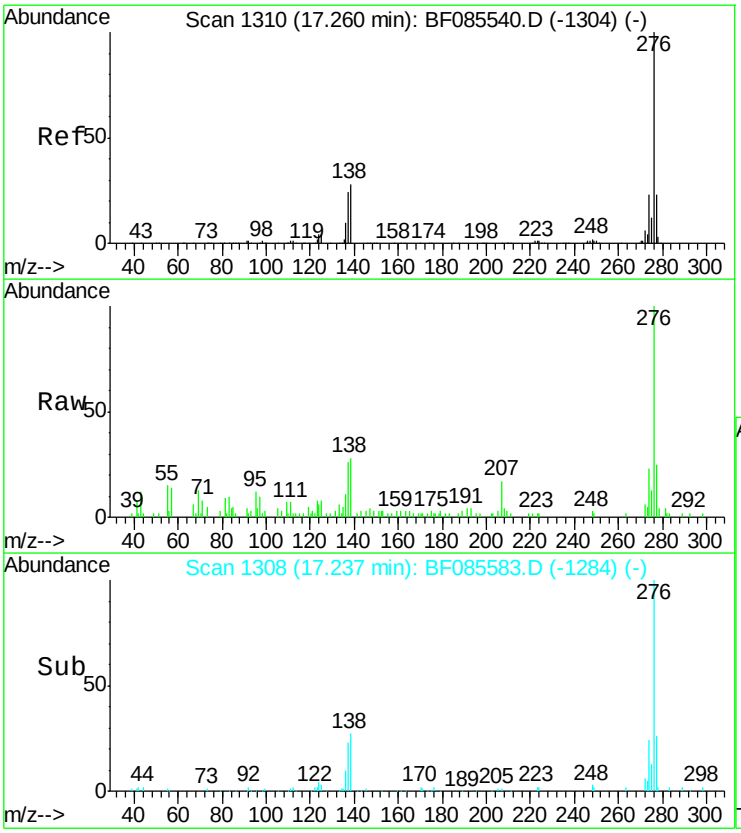

#91
Benzo(g,h,i)perylene
Concen: 3.55 ng
RT: 17.24 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF085583.D
Acq: 19 Mar 2016 20:00

Tgt Ion:276 Resp: 42056

Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.8	28.2
138	28.3	22.6	34.0