Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031116\
Data File : BF085401.D
Acq On : 12 Mar 2016 6:11
Operator : UM/SJ
Sample : H1754-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-09(0.5-3.0)

Manual Integrations APPROVED
UMANGI
3/14/2016 10:46:02 AM

Quant Time: Mar 14 05:55:05 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	155081	20.00	ng	-0.05
21) Naphthalene-d8	8.22	136	568176	20.00	ng	-0.05
38) Acenaphthene-d10	9.98	164	243776	20.00	ng	-0.05
63) Phenanthrene-d10	11.46	188	362445	20.00	ng	-0.05
75) Chrysene-d12	14.11	240	288454	20.00	ng	-0.05
86) Perylene-d12	15.57	264	265398	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1219295	131.88	ng	-0.03
7) Phenol-d6	6.57	99	1819415	150.21	ng	-0.03
23) Nitrobenzene-d5	7.50	82	924772	87.10	ng	-0.05
41) 2,4,6-Tribromophenol	10.77	330	260393	124.83	ng	-0.05
44) 2-Fluorobiphenyl	9.30	172	1554430	96.97	ng	-0.05
78) Terphenyl-d14	13.05	244	978340	78.73	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.69	163	182818	9.77	ng	99
70) Phenanthrene	11.49	178	319623	16.83	ng	98
71) Anthracene	11.53	178	90507	4.49	ng	99
74) Fluoranthene	12.68	202	474513	24.89	ng	98
77) Pyrene	12.90	202	423852	19.52	ng	98
80) Benzo(a)anthracene	14.09	228	274848	15.92	ng	98
82) Chrysene	14.13	228	182694	11.45	ng	97
83) Bis(2-ethylhexyl)phthalate	14.08	149	65440	5.05	ng	100
85) Indeno(1,2,3-cd)pyrene	17.03	276	93991	7.55	ng	92
87) Benzo(b)fluoranthene	15.15	252	261129m	14.76	ng	
88) Benzo(k)fluoranthene	15.16	252	110527m	7.75	ng	
89) Benzo(a)pyrene	15.51	252	188299	12.85	ng	97
91) Benzo(g,h,i)perylene	17.47	276	86068	6.84	ng	99

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031116\
Data File : BF085401.D
Acq On : 12 Mar 2016 6:11
Operator : UM/SJ
Sample : H1754-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 14 05:55:05 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-09(0.5-3.0)

Manual Integrations APPROVED
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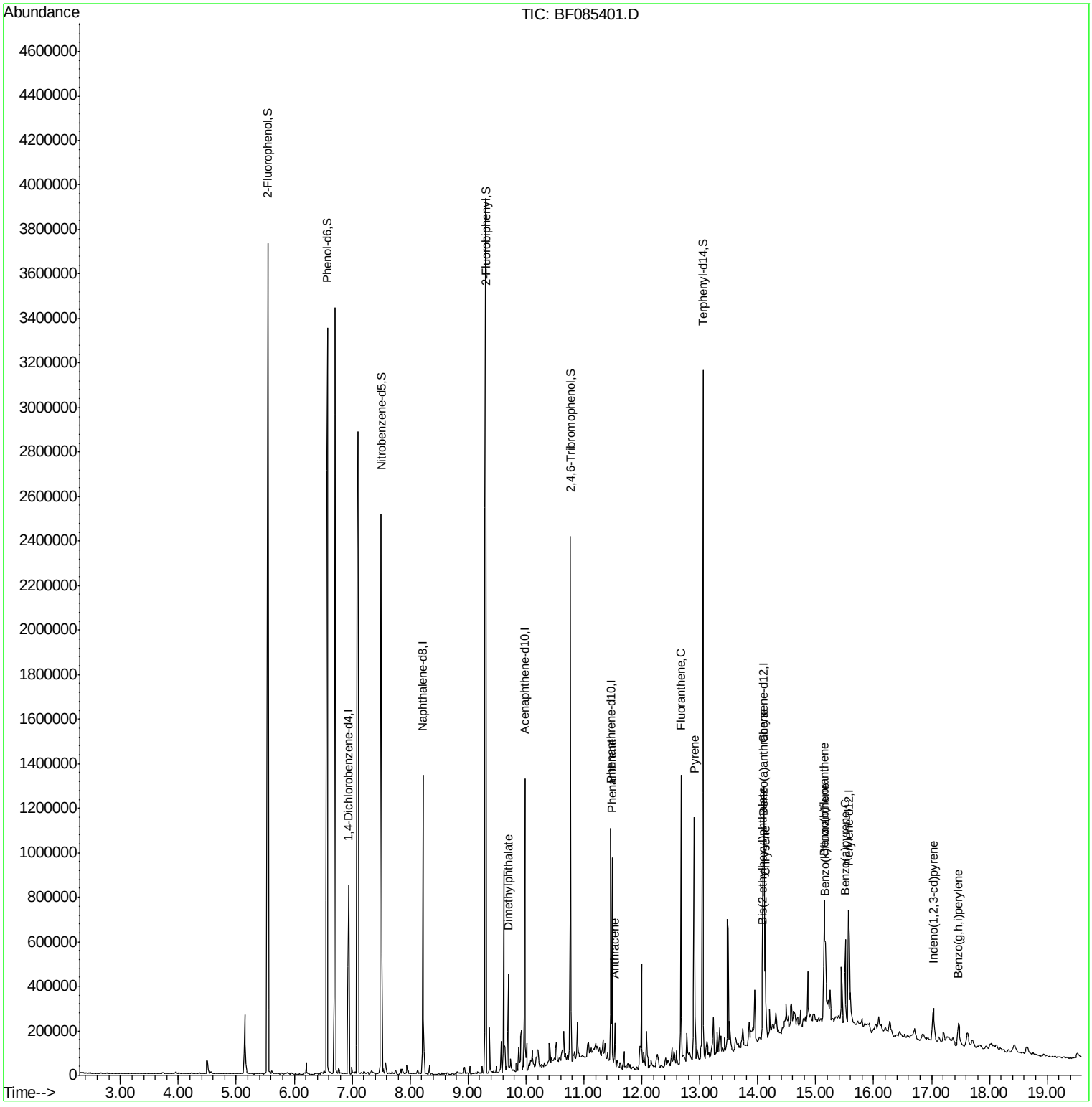
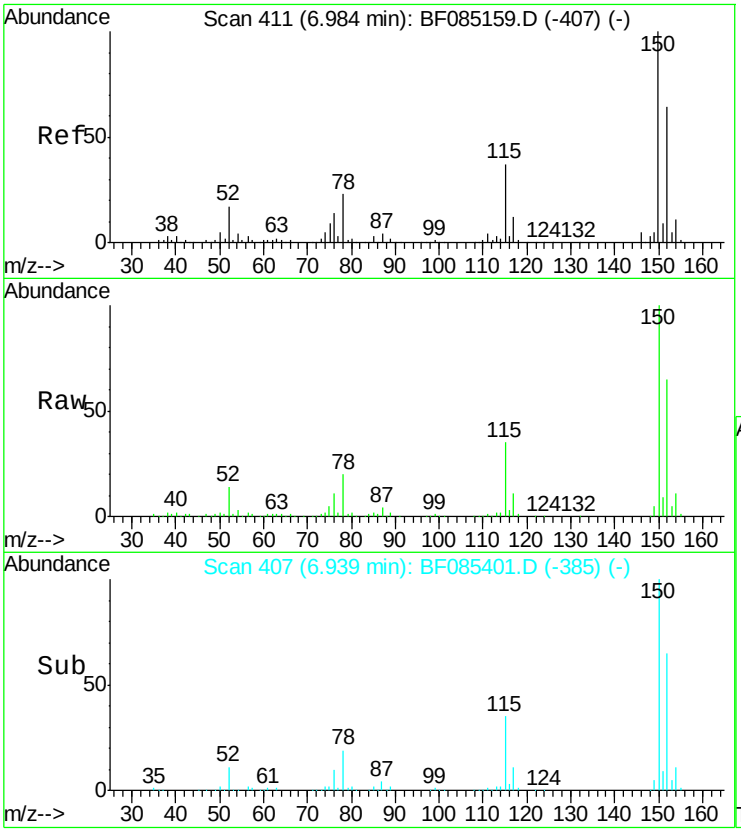
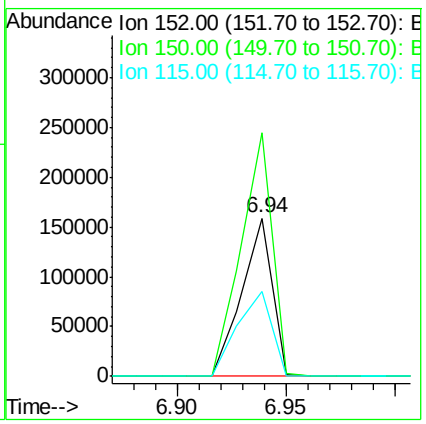




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 407
Delta R.T. -0.05 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Tgt Ion:152 Resp: 155081

Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.6	186.8
115	54.2	46.6	70.0



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-09(0.5-3.0)

Manual Integrations APPROVED
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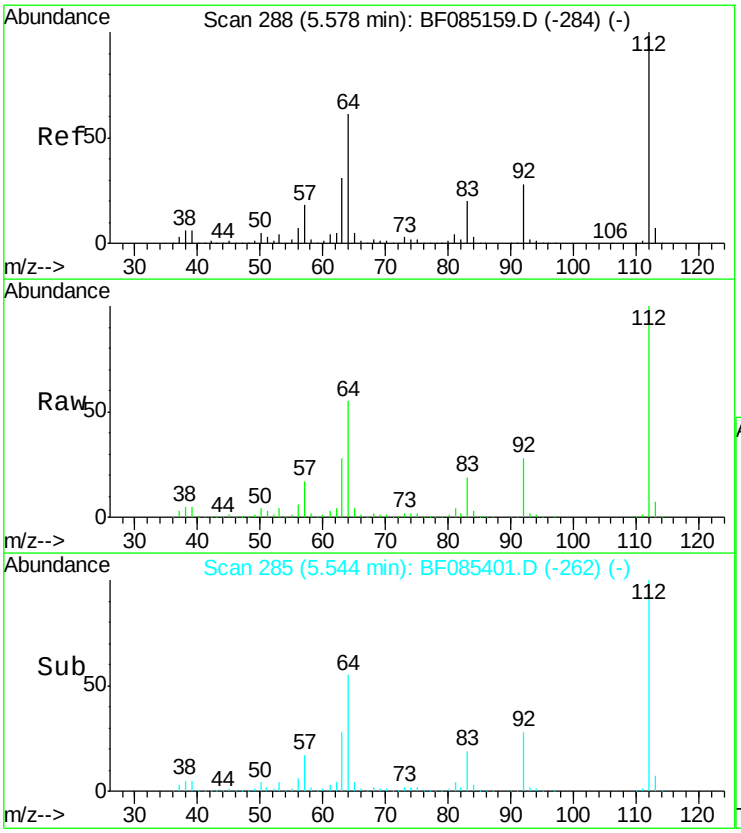
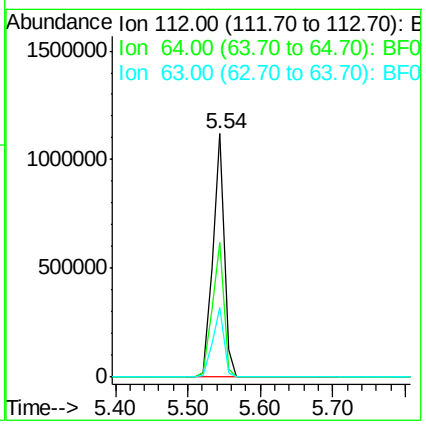
3/14/2016 10:46:02 AM

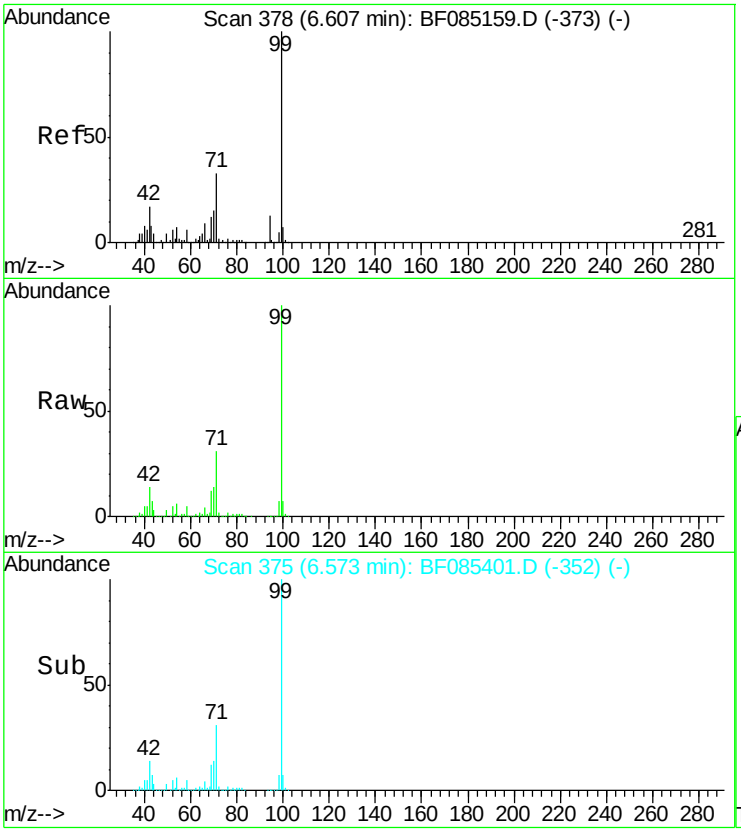


#5
2-Fluorophenol
Concen: 131.88 ng
RT: 5.54 min Scan# 285
Delta R.T. -0.03 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Tgt Ion:112 Resp: 1219295

Ion	Ratio	Lower	Upper
112	100		
64	55.5	49.0	73.4
63	28.4	24.8	37.2

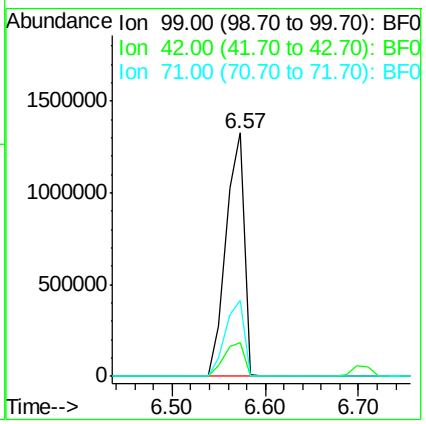




#7
Phenol-d6
Concen: 150.21 ng
RT: 6.57 min Scan# 375
Delta R.T. -0.03 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Tgt Ion: 99 Resp: 1819415

Ion	Ratio	Lower	Upper
99	100		
42	13.8	13.6	20.4
71	31.2	26.7	40.1



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-09(0.5-3.0)

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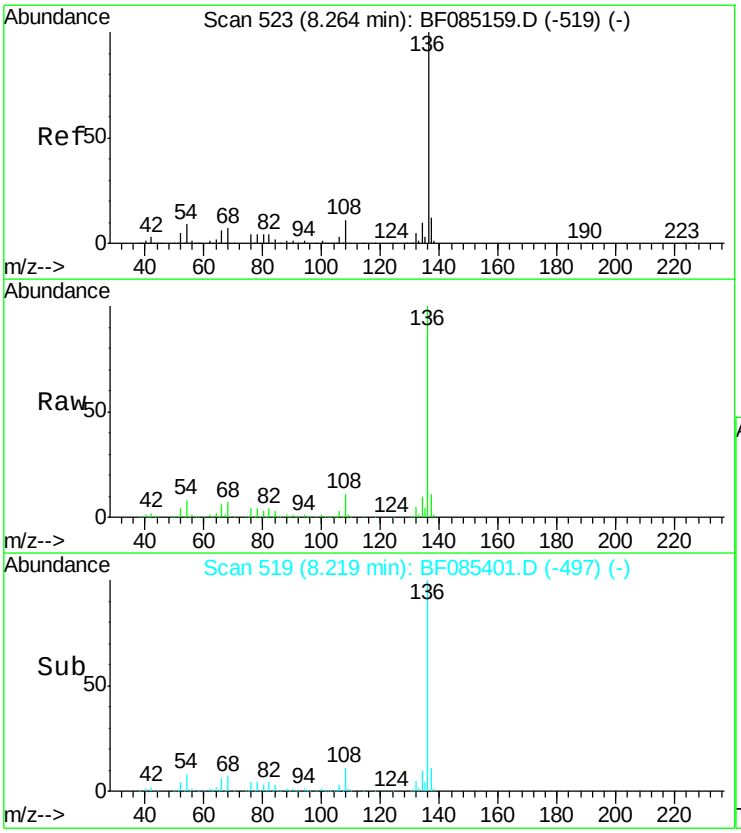
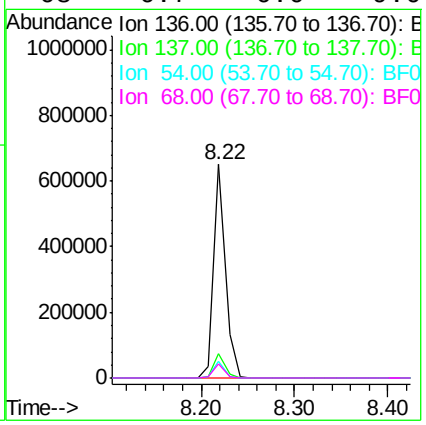
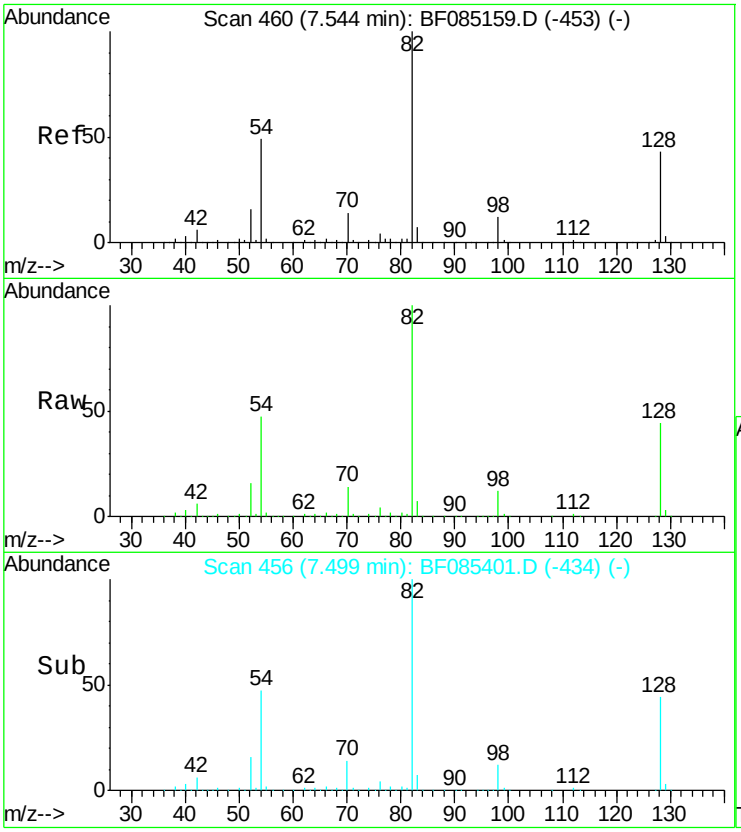


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.22 min Scan# 519
Delta R.T. -0.05 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Tgt Ion:136 Resp: 568176

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	8.1	7.4	11.2
68	6.7	6.0	9.0

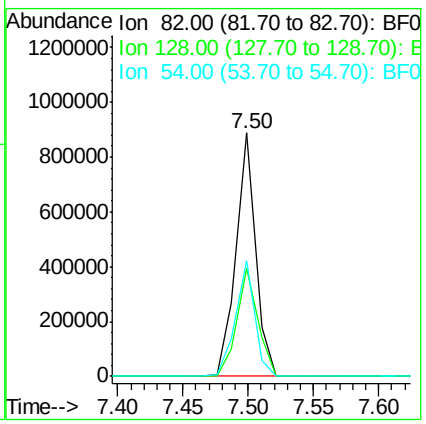




#23
Nitrobenzene-d5
Concen: 87.10 ng
RT: 7.50 min Scan# 456
Delta R.T. -0.05 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Tgt Ion: 82 Resp: 924772

Ion	Ratio	Lower	Upper
82	100		
128	44.5	34.5	51.7
54	47.3	39.3	58.9



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-09(0.5-3.0)

Manual Integrations APPROVED
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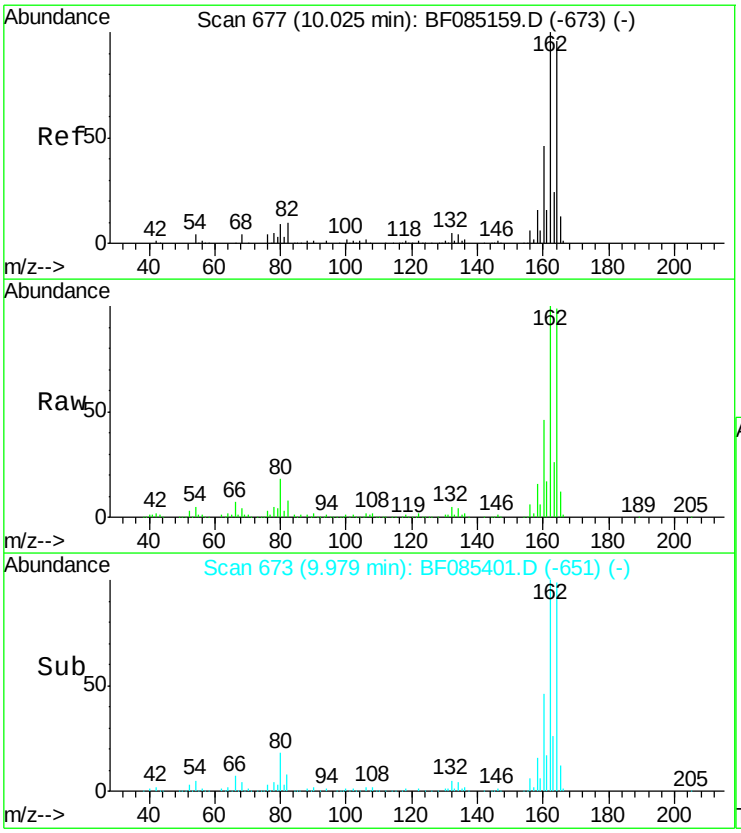
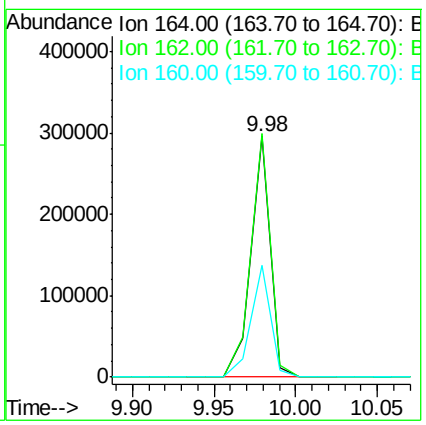
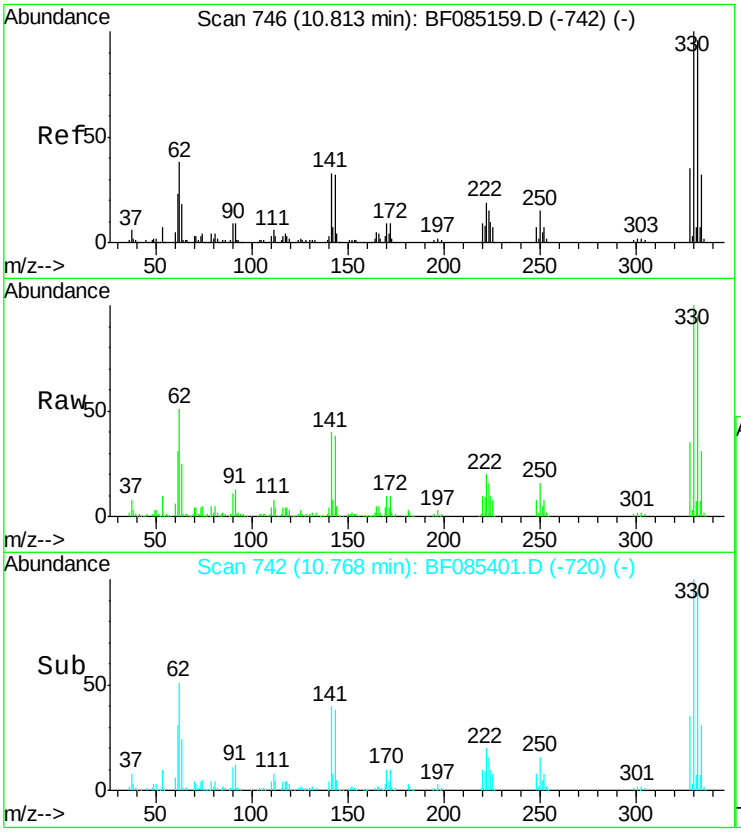


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.98 min Scan# 673
Delta R.T. -0.05 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Tgt Ion:164 Resp: 243776

Ion	Ratio	Lower	Upper
164	100		
162	101.0	83.3	124.9
160	46.4	37.9	56.9

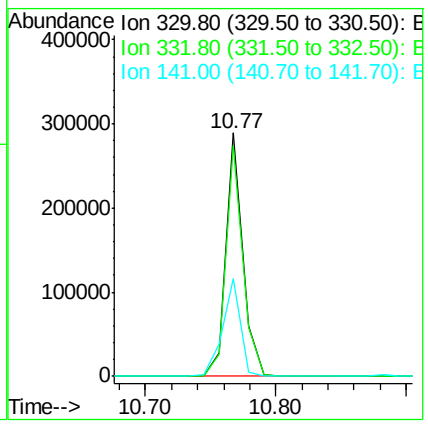




#41
2,4,6-Tribromophenol
Concen: 124.83 ng
RT: 10.77 min Scan# 742
Delta R.T. -0.05 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Tgt Ion:330 Resp: 260393

Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.1	115.7
141	43.2	35.0	52.6



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-09(0.5-3.0)

Manual Integrations APPROVED
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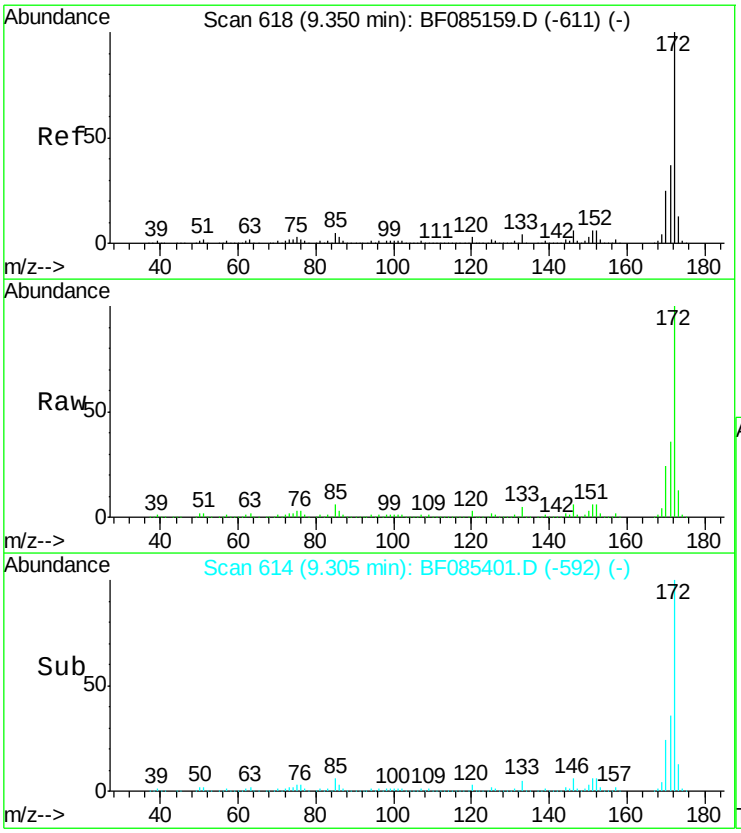
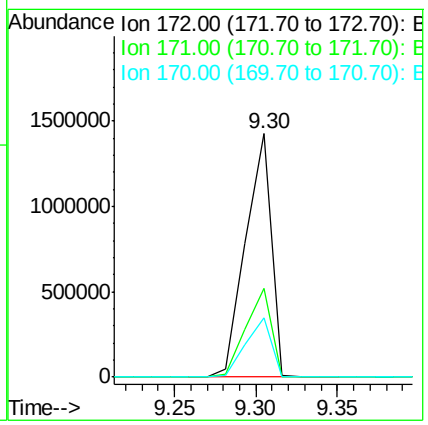
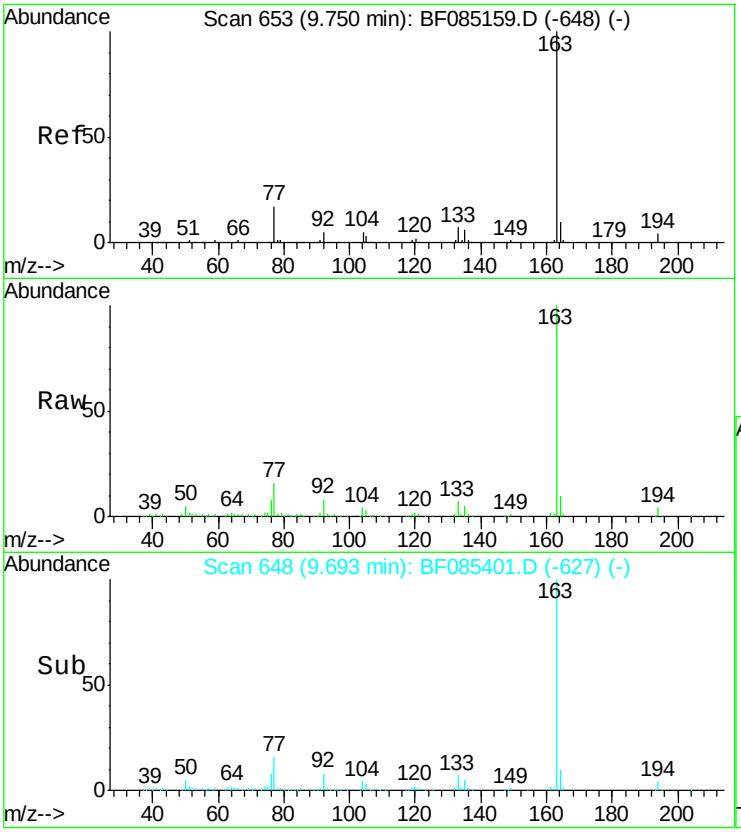


#44
2-Fluorobiphenyl
Concen: 96.97 ng
RT: 9.30 min Scan# 614
Delta R.T. -0.05 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Tgt Ion:172 Resp: 1554430

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.3	43.9
170	24.4	20.0	30.0

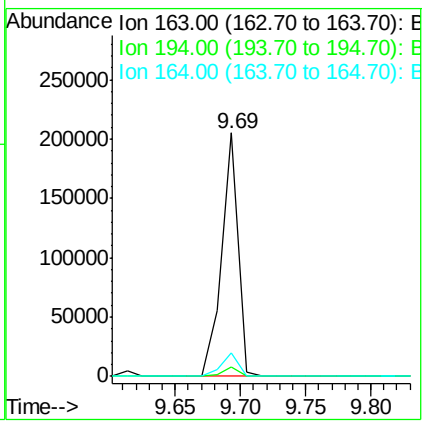




#49
Dimethylphthalate
Concen: 9.77 ng
RT: 9.69 min Scan# 648
Delta R.T. -0.06 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Tgt Ion:163 Resp: 182818

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	9.8	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-09(0.5-3.0)

Manual Integrations APPROVED
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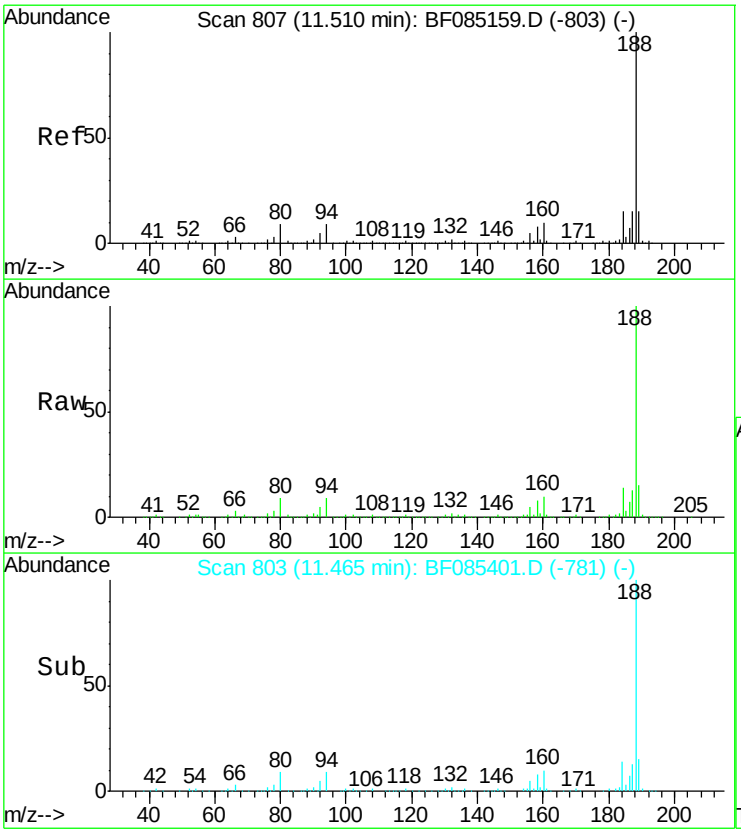
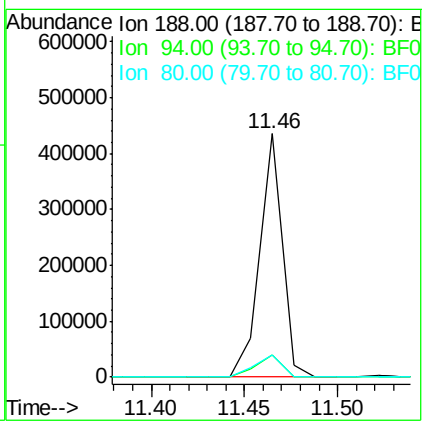
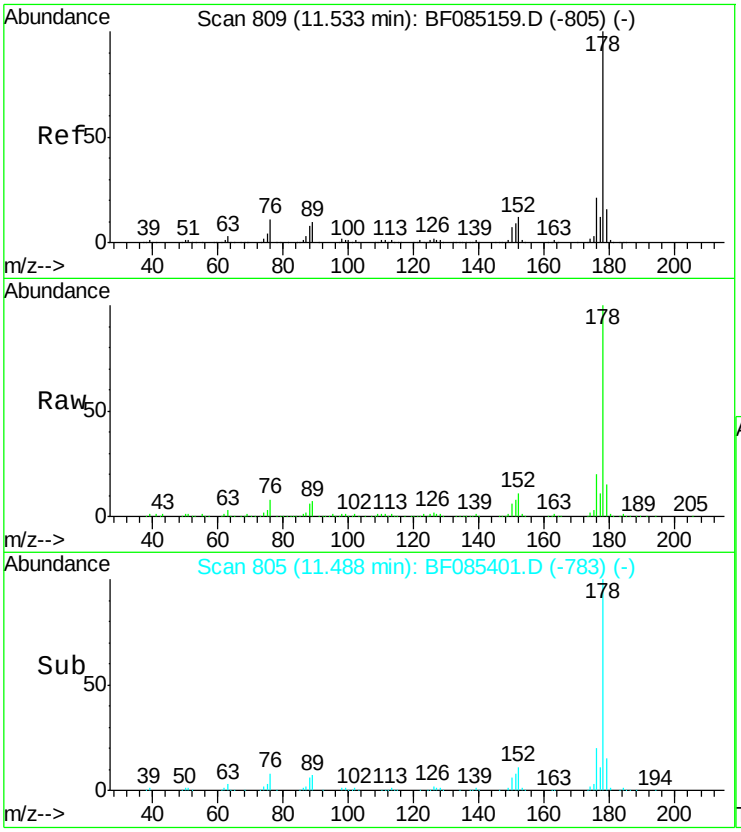


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 803
Delta R.T. -0.05 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Tgt Ion:188 Resp: 362445

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.0	10.6
80	9.1	7.4	11.0

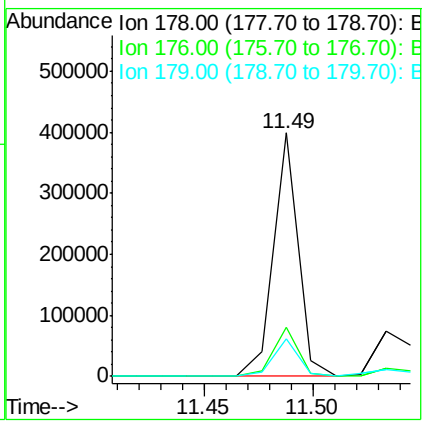




#70
Phenanthrene
Concen: 16.83 ng
RT: 11.49 min Scan# 805
Delta R.T. -0.05 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Tgt Ion:178 Resp: 319623

Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.8	25.2
179	15.4	13.1	19.7



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-09(0.5-3.0)

Manual Integrations APPROVED
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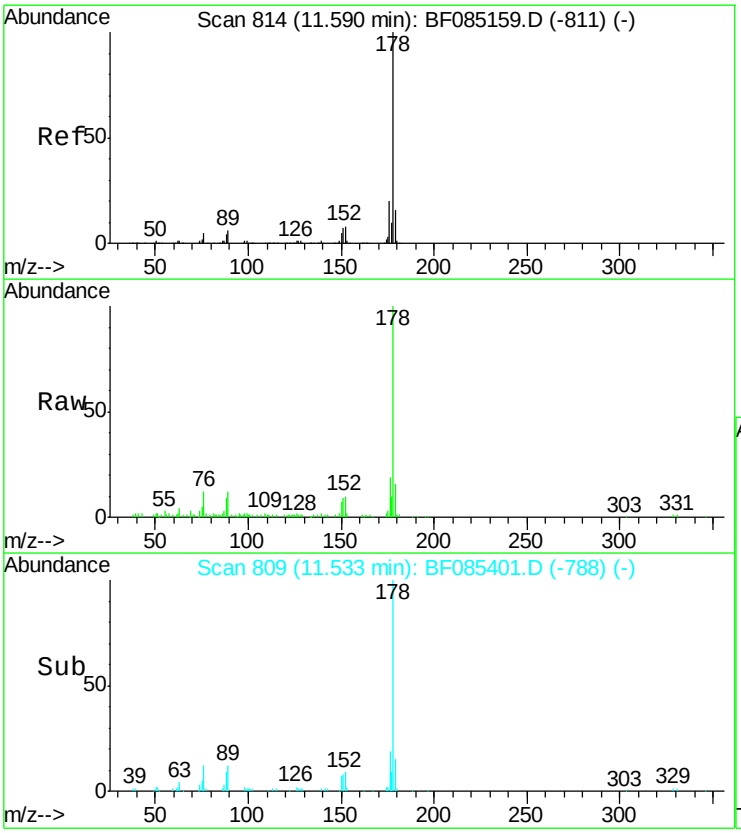
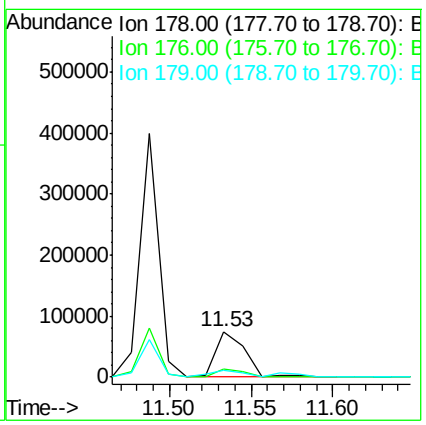
3/14/2016 10:46:02 AM

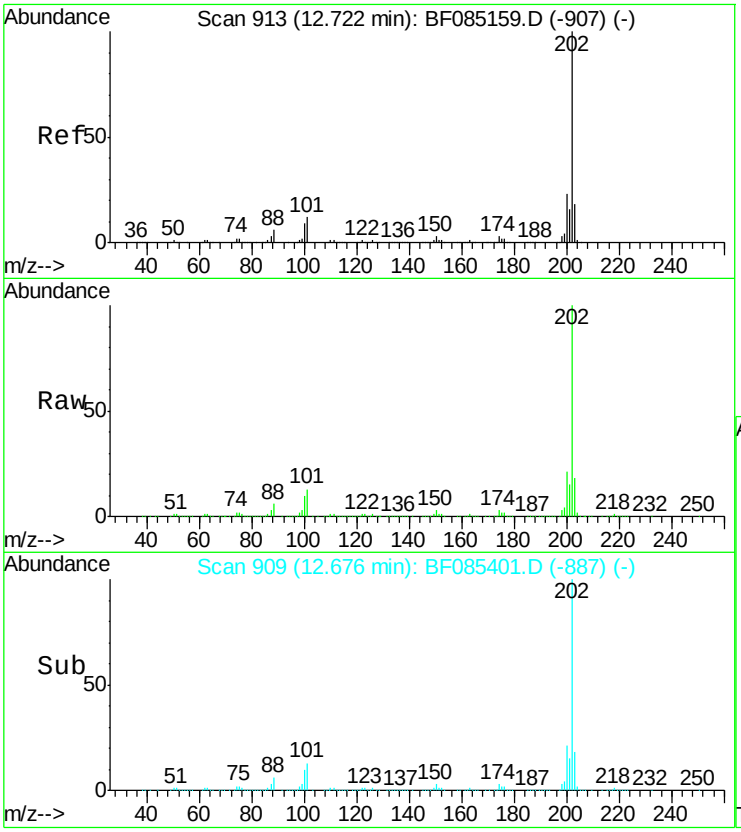


#71
Anthracene
Concen: 4.49 ng
RT: 11.53 min Scan# 809
Delta R.T. -0.06 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Tgt Ion:178 Resp: 90507

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.9	23.9
179	16.0	12.5	18.7

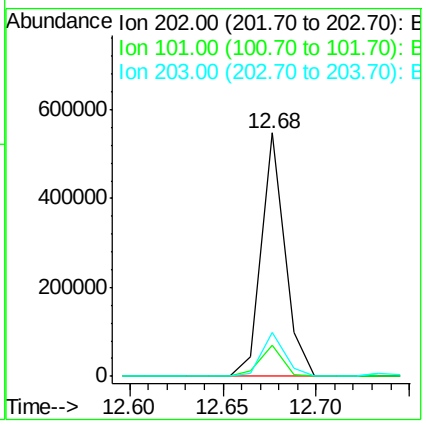




#74
Fluoranthene
Concen: 24.89 ng
RT: 12.68 min Scan# 909
Delta R.T. -0.05 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Tgt Ion:202 Resp: 474513

Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	31.8
203	18.0	0.0	38.4



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-09(0.5-3.0)

Manual Integrations APPROVED
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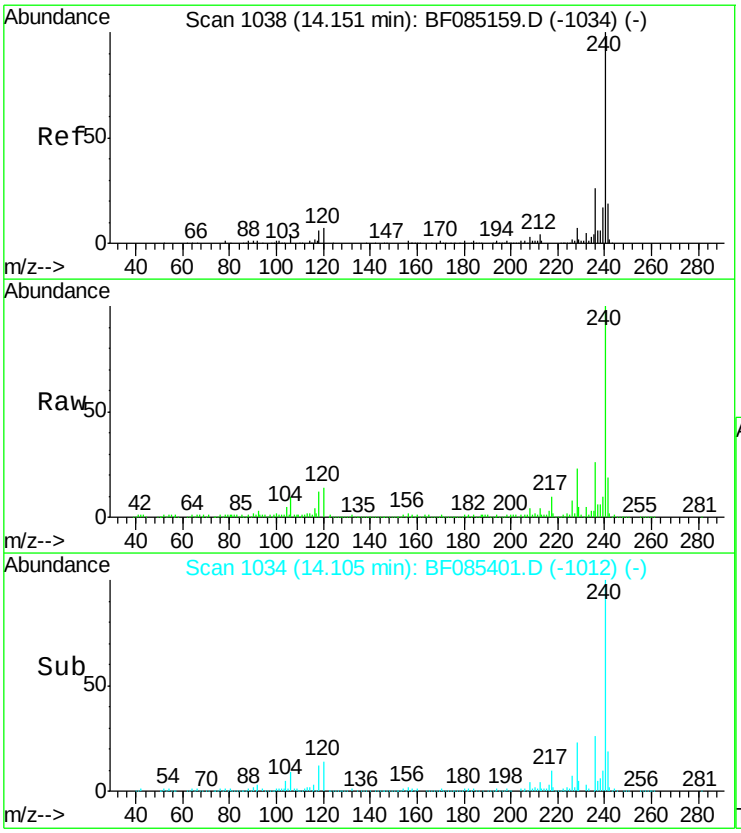
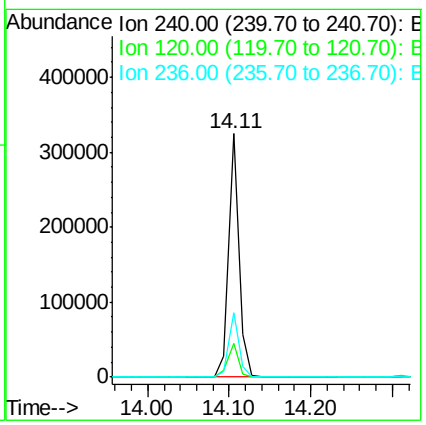
3/14/2016 10:46:02 AM

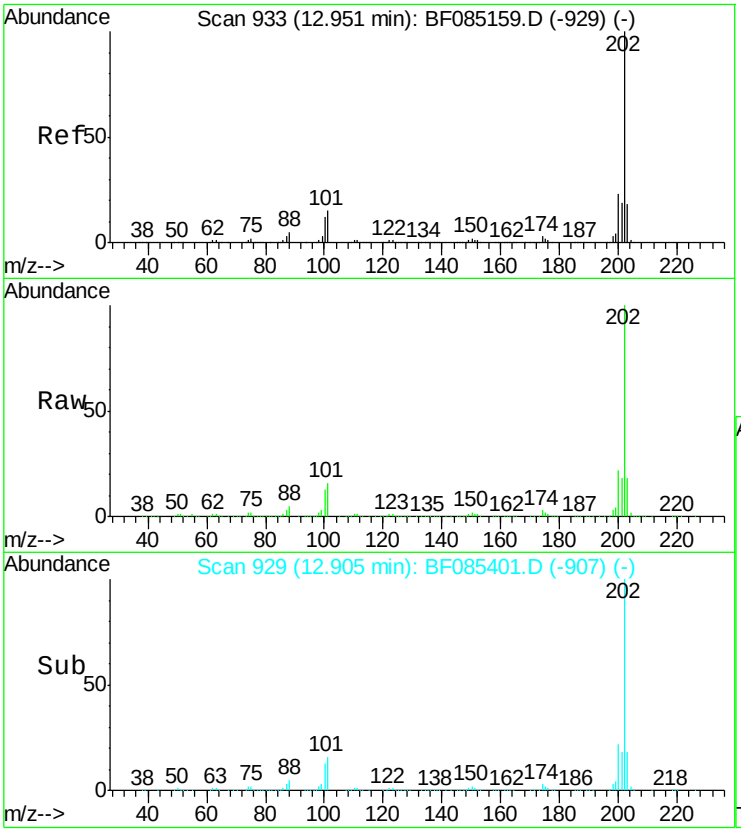


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.11 min Scan# 1034
Delta R.T. -0.05 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Tgt Ion:240 Resp: 288454

Ion	Ratio	Lower	Upper
240	100		
120	13.8	5.3	7.9#
236	26.3	20.7	31.1

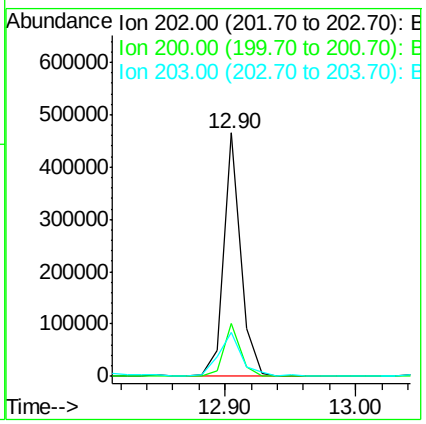




#77
Pyrene
Concen: 19.52 ng
RT: 12.90 min Scan# 929
Delta R.T. -0.05 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

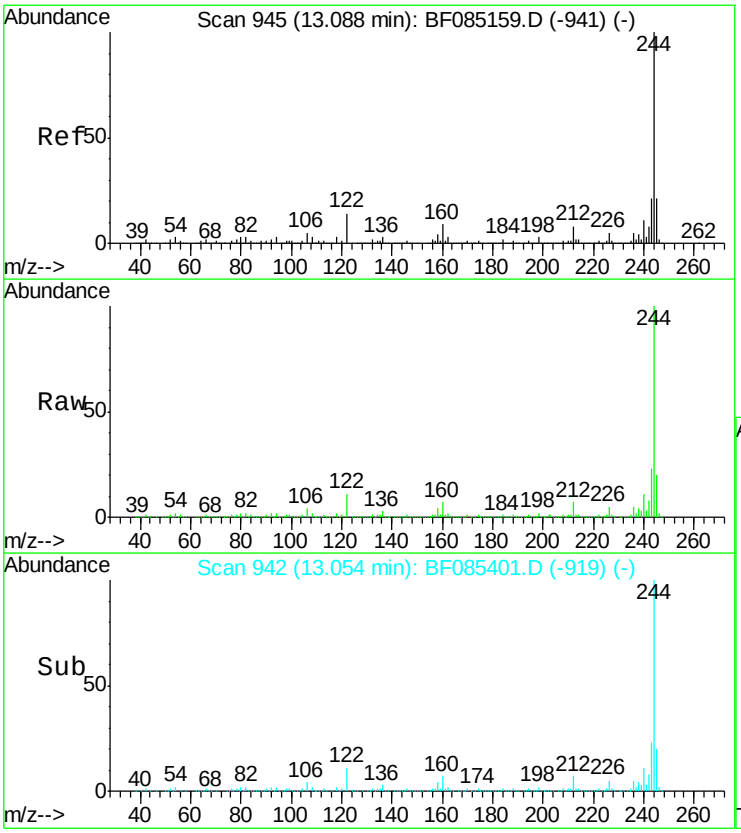
Tgt Ion:202 Resp: 423852

Ion	Ratio	Lower	Upper
202	100		
200	21.8	18.2	27.4
203	17.8	14.7	22.1



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-09(0.5-3.0)

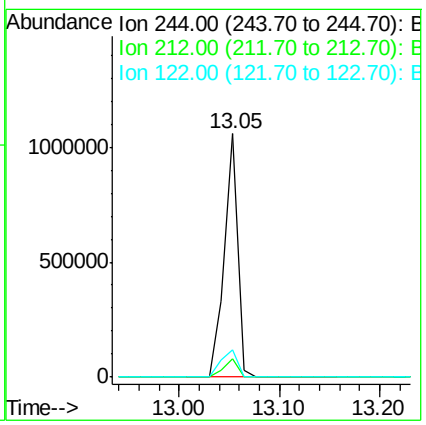
Manual Integrations APPROVED
UMANGI
3/14/2016 10:46:02 AM

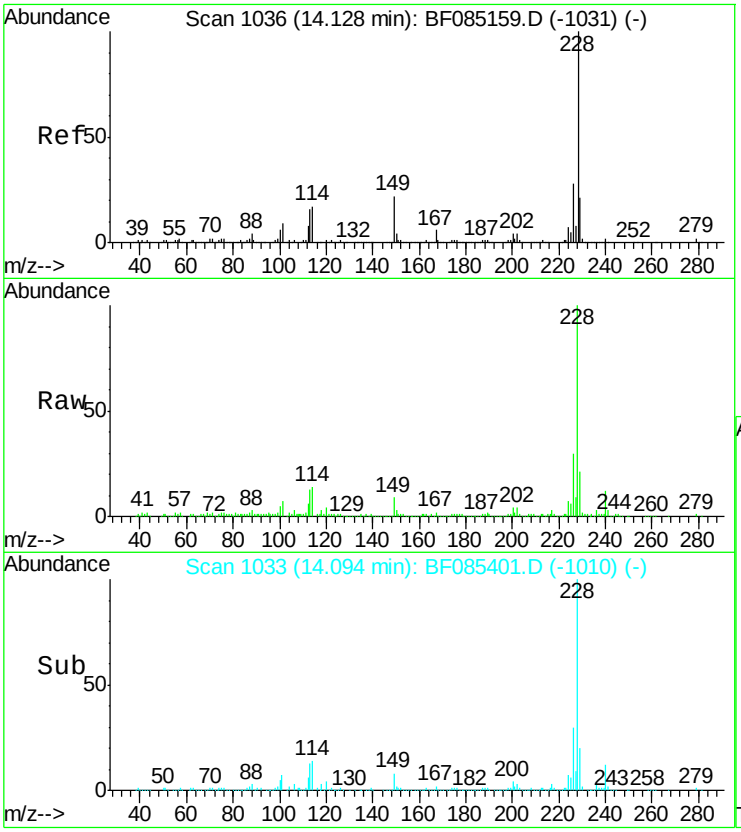


#78
Terphenyl-d14
Concen: 78.73 ng
RT: 13.05 min Scan# 942
Delta R.T. -0.03 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Tgt Ion:244 Resp: 978340

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.4	9.6
122	11.0	11.4	17.2#

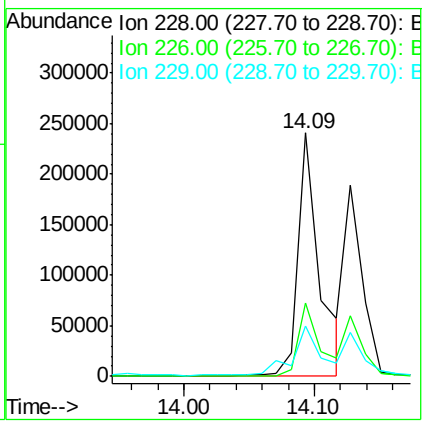




#80
Benzo(a)anthracene
Concen: 15.92 ng
RT: 14.09 min Scan# 1033
Delta R.T. -0.03 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Tgt Ion:228 Resp: 274848

Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.8	34.2
229	20.5	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-09(0.5-3.0)

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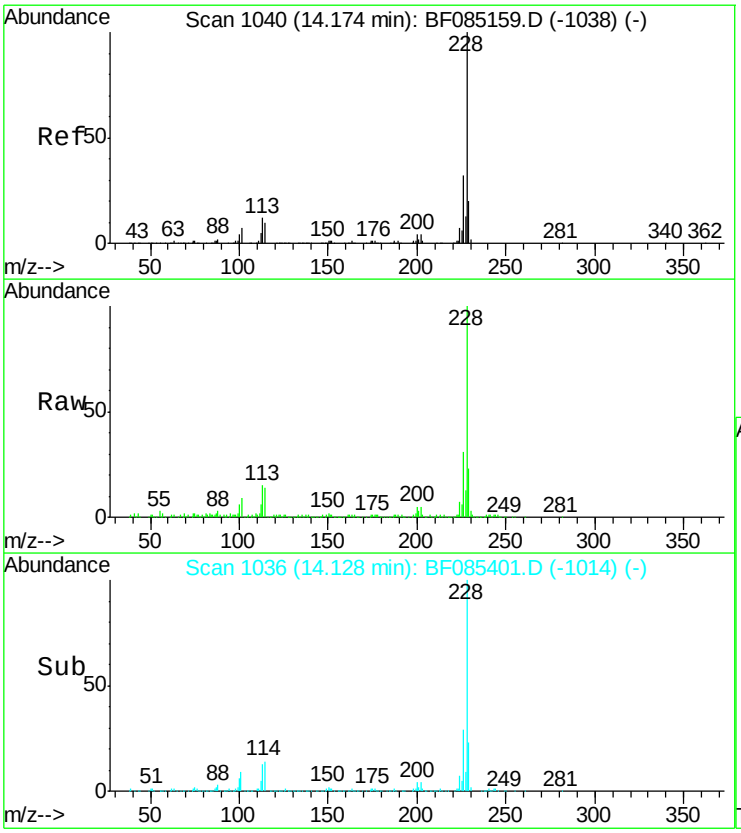
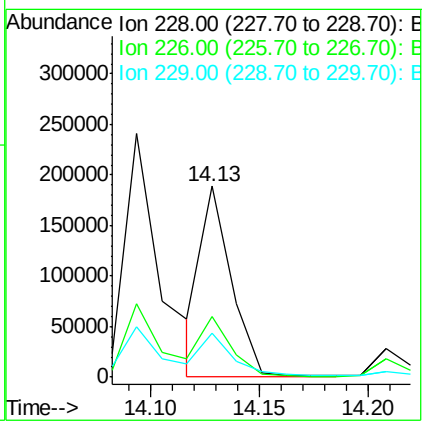
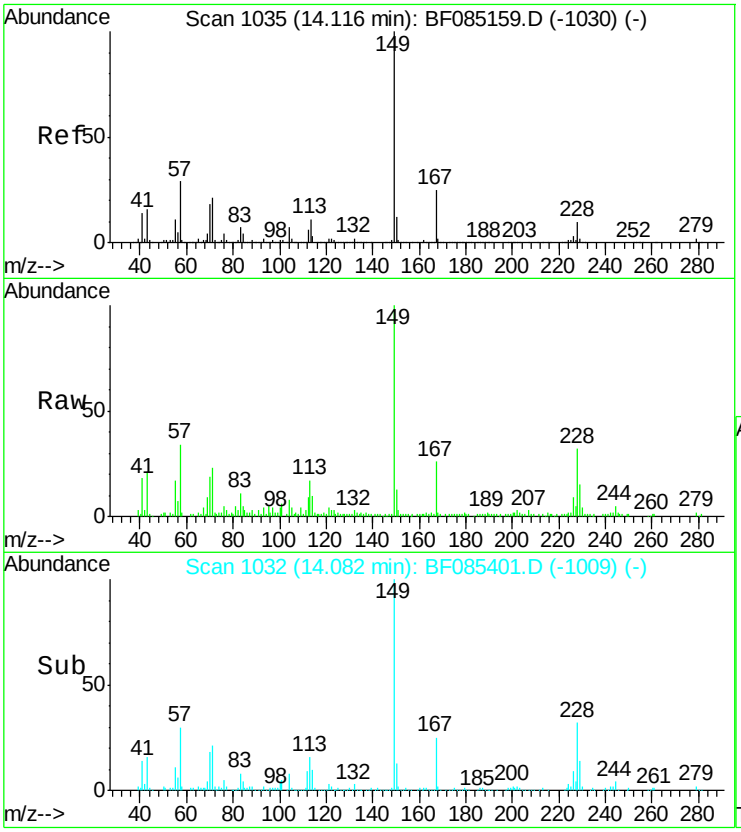


#82
Chrysene
Concen: 11.45 ng
RT: 14.13 min Scan# 1036
Delta R.T. -0.05 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Tgt Ion:228 Resp: 182694

Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.2	37.8
229	23.2	16.0	24.0





#83
Bis(2-ethylhexyl)phthalate
Concen: 5.05 ng
RT: 14.08 min Scan# 1032
Delta R.T. -0.03 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Tgt Ion:149 Resp: 65440

Ion	Ratio	Lower	Upper
149	100		
167	25.6	20.3	30.5
279	2.0	1.9	2.9

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-09(0.5-3.0)

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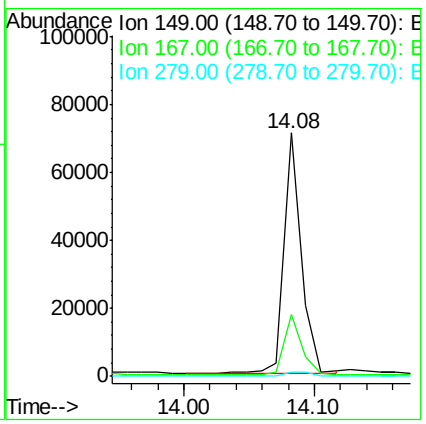
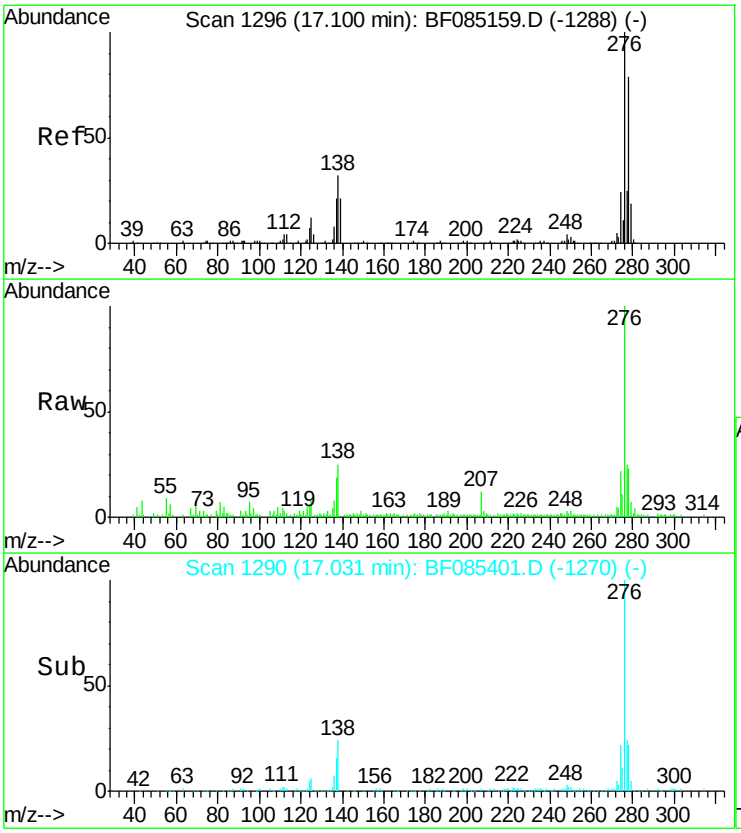
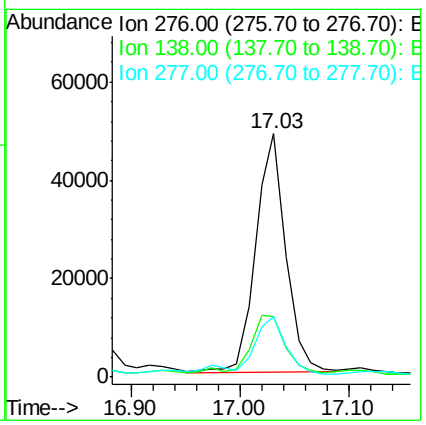


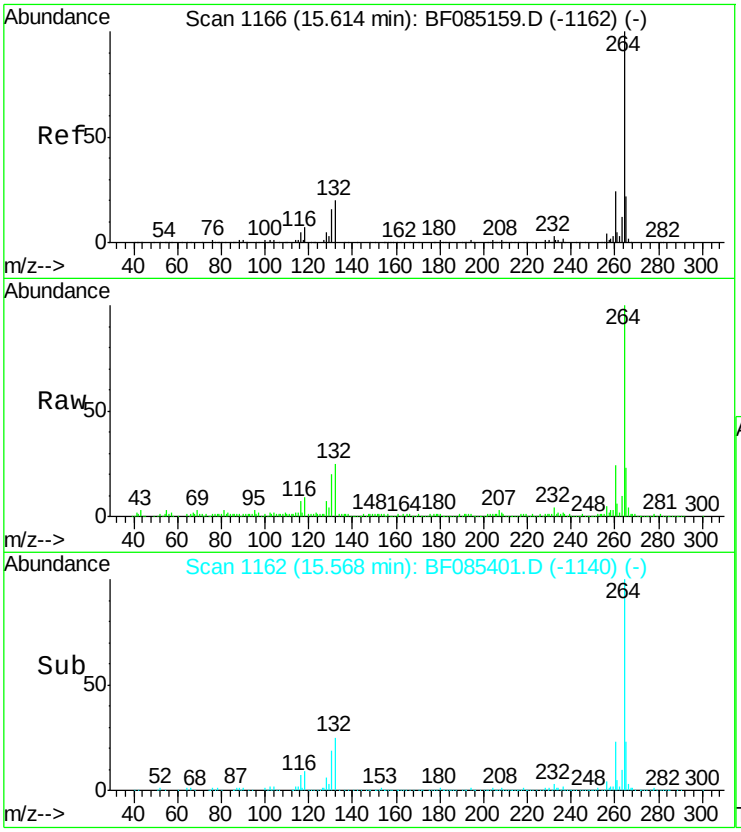


#85
Indeno(1,2,3-cd)pyrene
Concen: 7.55 ng
RT: 17.03 min Scan# 1290
Delta R.T. -0.07 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Tgt Ion:276 Resp: 93991

Ion	Ratio	Lower	Upper
276	100		
138	28.2	26.4	39.6
277	28.8	20.2	30.2

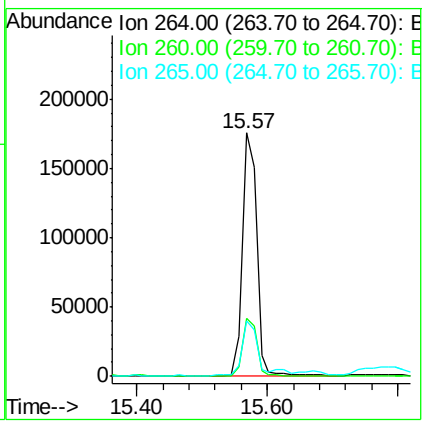




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 1162
Delta R.T. -0.05 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Tgt Ion:264 Resp: 265398

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.8	17.3	25.9



Instrument :
BNA_F
ClientSampleId :
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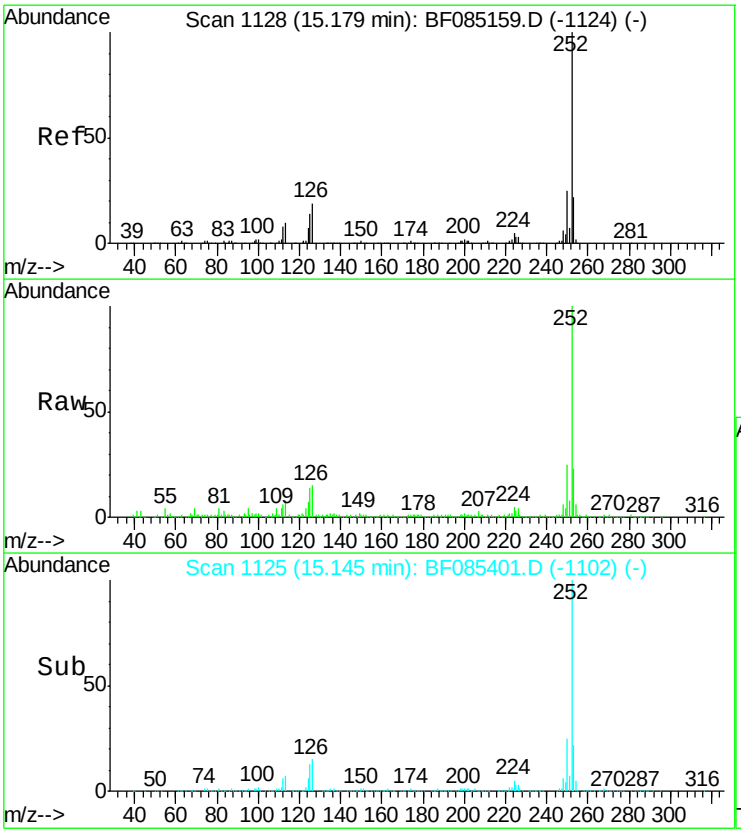
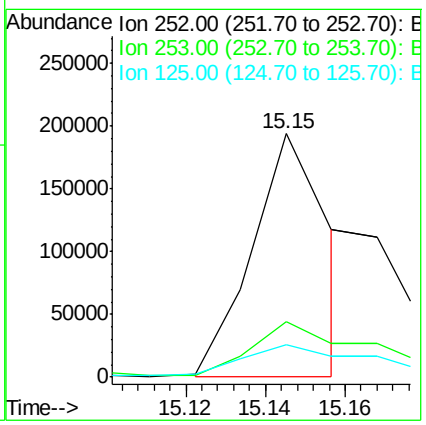
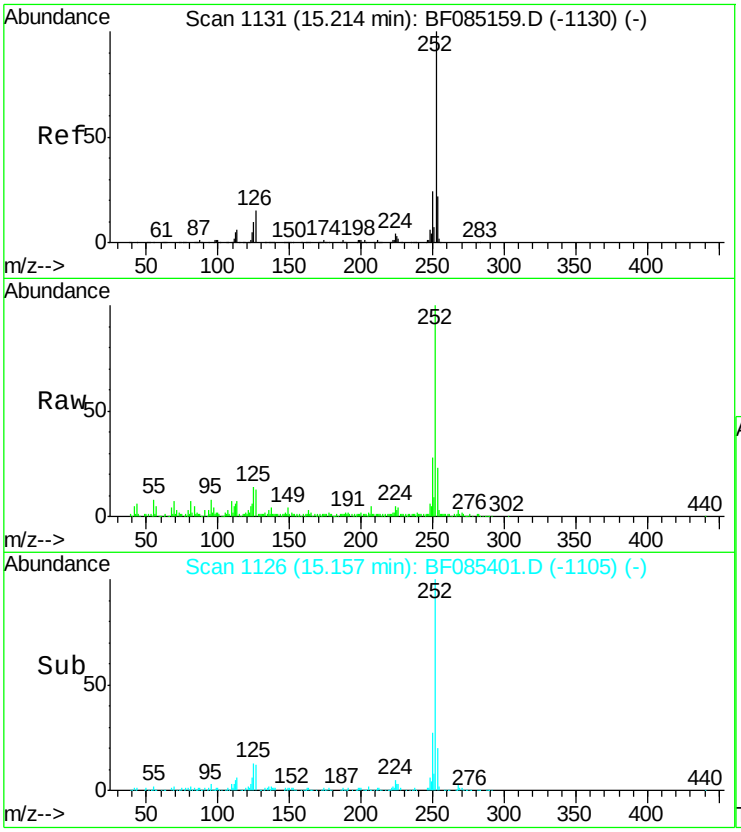


#87
Benzo(b)fluoranthene
Concen: 14.76 ng m
RT: 15.15 min Scan# 1125
Delta R.T. -0.03 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Tgt Ion:252 Resp: 261129

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	13.5	11.3	16.9

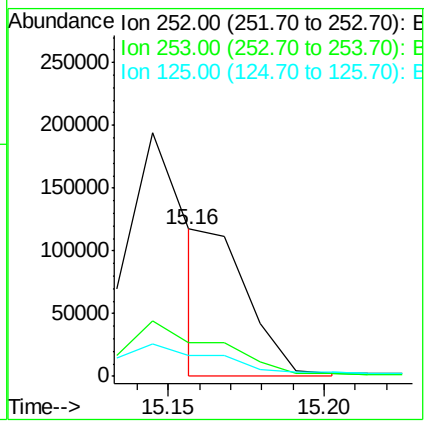




#88
Benzo(k)fluoranthene
Concen: 7.75 ng m
RT: 15.16 min Scan# 1126
Delta R.T. -0.06 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Tgt Ion:252 Resp: 110527

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	14.3	10.4	15.6



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-09(0.5-3.0)

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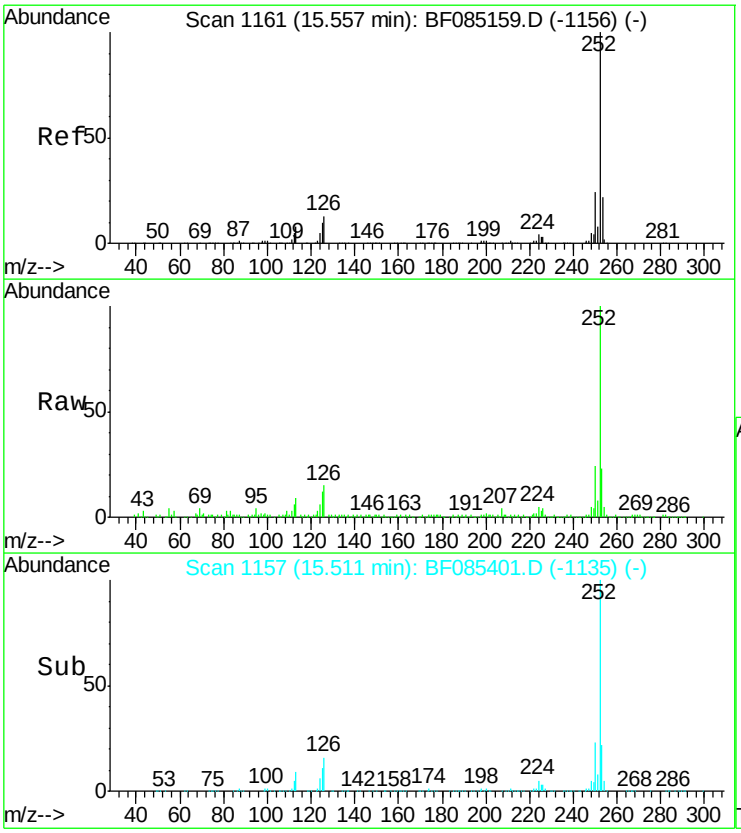
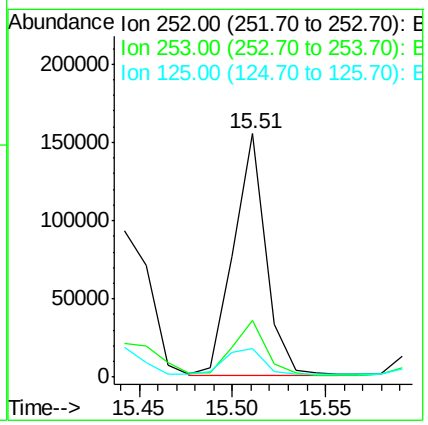
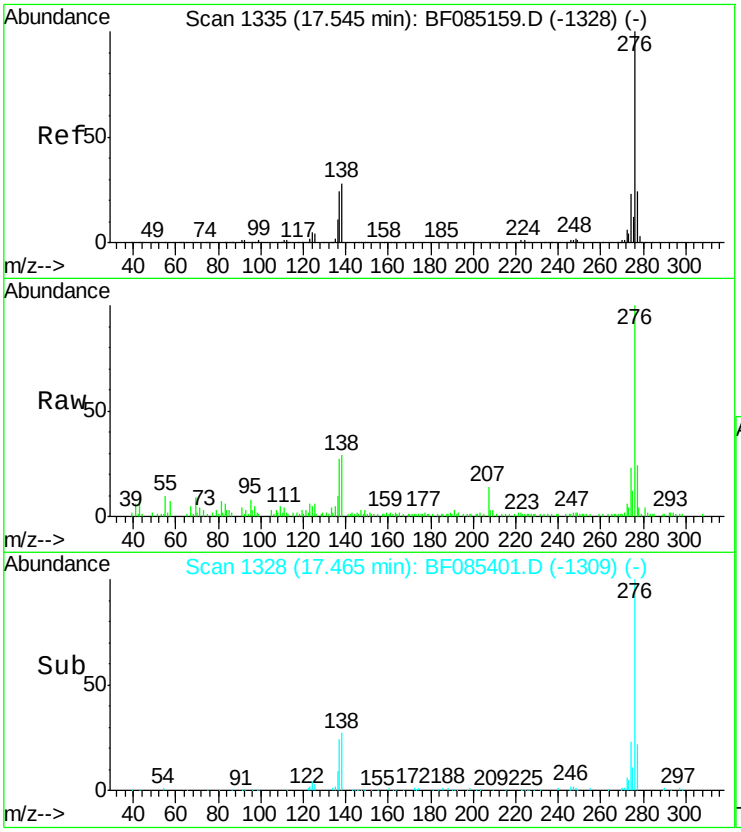


#89
Benzo(a)pyrene
Concen: 12.85 ng
RT: 15.51 min Scan# 1157
Delta R.T. -0.05 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Tgt Ion:252 Resp: 188299

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	11.6	8.2	12.4

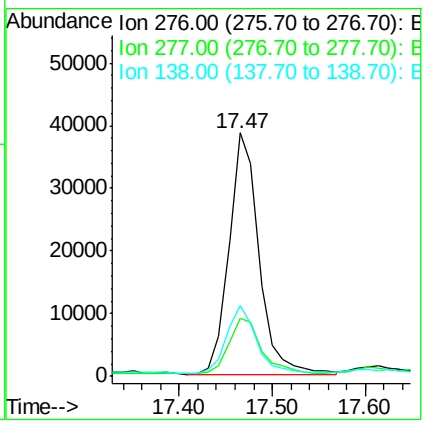




#91
Benzo(g,h,i)perylene
Concen: 6.84 ng
RT: 17.47 min Scan# 1328
Delta R.T. -0.08 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Tgt Ion:276 Resp: 86068

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	29.3	22.5	33.7



Instrument :
BNA_F
ClientSampleId :
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