Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
Data File : BF085247.D
Acq On : 5 Mar 2016 11:52
Operator : SJ/IZ
Sample : H1675-05 5X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)

Manual Integrations APPROVED
UMANGI
3/7/2016 9:33:41 AM

Quant Time: Mar 07 07:29:35 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	6.97	152	21256	20.00	ng		-0.01
21) Naphthalene-d8	8.25	136	86127	20.00	ng		-0.01
38) Acenaphthene-d10	10.01	164	35401	20.00	ng		-0.01
63) Phenanthrene-d10	11.50	188	50112	20.00	ng		-0.01
75) Chrysene-d12	14.13	240	37683	20.00	ng		-0.02
86) Perylene-d12	15.60	264	35757	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.57	112	219901	173.53	ng		-0.01
7) Phenol-d6	6.58	99	297056	178.92	ng		-0.02
23) Nitrobenzene-d5	7.52	82	148790	92.45	ng		-0.02
41) 2,4,6-Tribromophenol	10.80	330	25493	84.16	ng		-0.01
44) 2-Fluorobiphenyl	9.33	172	293502	126.09	ng		-0.02
78) Terphenyl-d14	13.08	244	185754	114.43	ng		-0.01
Target Compounds							Qvalue
31) Naphthalene	8.28	128	16560	3.91	ng		99
37) 2-Methylnaphthalene	8.96	142	8282	3.05	ng		98
48) Acenaphthylene	9.88	152	23535	6.56	ng		96
49) Dimethylphthalate	9.72	163	28097	10.34	ng	#	95
51) Acenaphthene	10.05	154	12069	5.54	ng		99
54) Dibenzofuran	10.22	168	13897	4.87	ng		92
57) Fluorene	10.56	166	11610	5.18	ng	#	95
70) Phenanthrene	11.52	178	185290	70.55	ng		96
71) Anthracene	11.57	178	91997	33.00	ng		97
72) Carbazole	11.72	167	26705	10.92	ng		97
74) Fluoranthene	12.71	202	384483	145.88	ng		96
77) Pyrene	12.94	202	348280	122.80	ng		98
80) Benzo(a)anthracene	14.12	228	188812	83.70	ng		99
82) Chrysene	14.16	228	159737	76.65	ng		97
85) Indeno(1,2,3-cd)pyrene	17.08	276	71882	44.20	ng		93
87) Benzo(b)fluoranthene	15.18	252	222530m	93.37	ng		
88) Benzo(k)fluoranthene	15.20	252	65824m	34.24	ng		
89) Benzo(a)pyrene	15.55	252	112283	56.85	ng	#	96
90) Dibenzo(a,h)anthracene	17.09	278	18131	10.75	ng	#	85
91) Benzo(g,h,i)perylene	17.52	276	66890	39.46	ng		98

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

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Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)

Manual Integrations APPROVED
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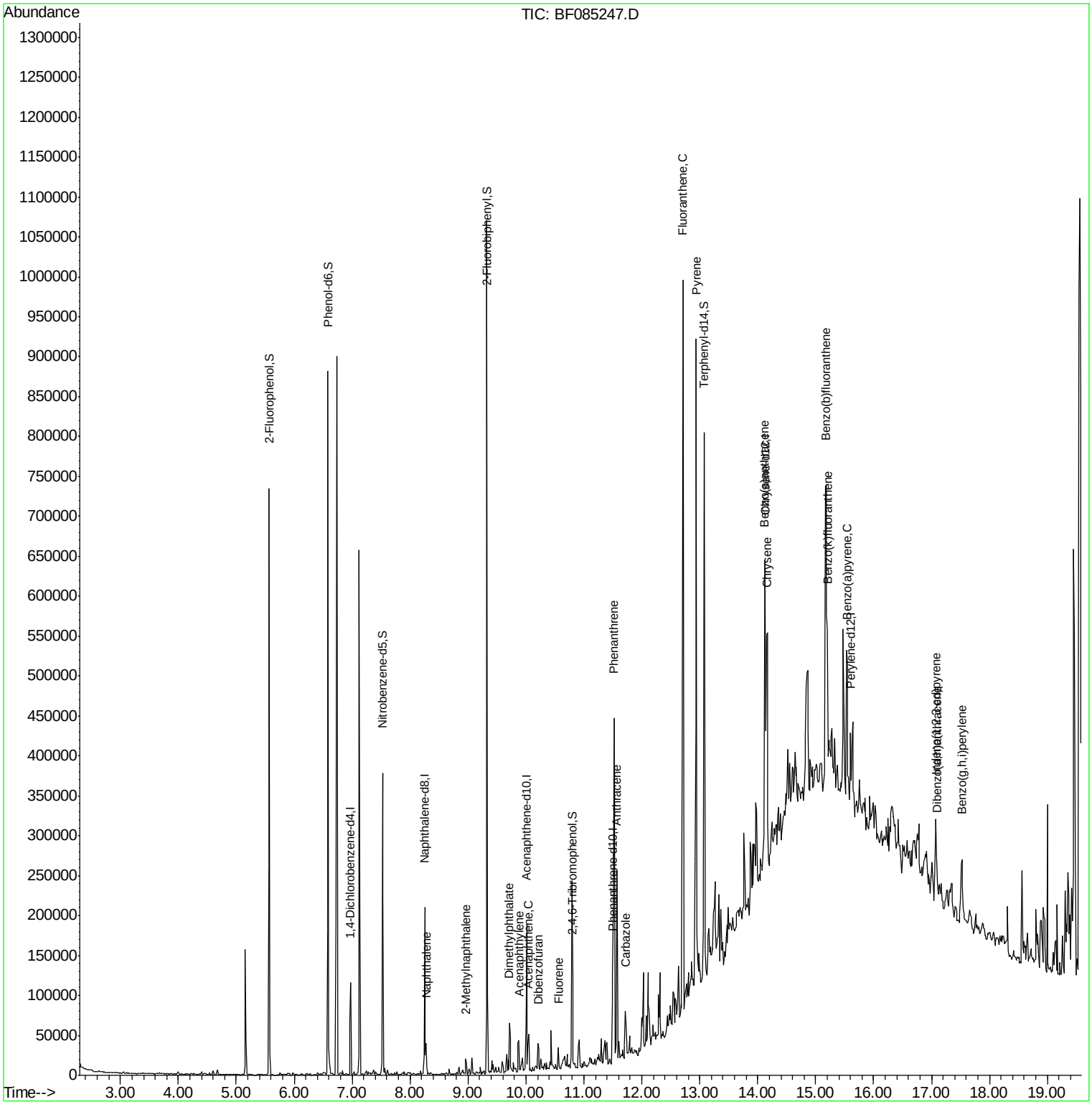
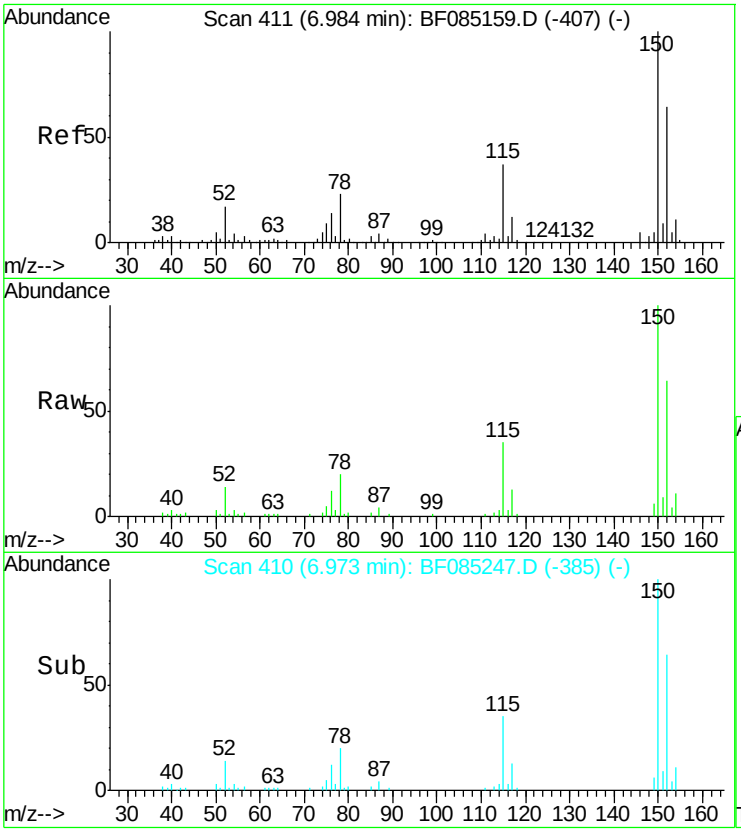
3/7/2016 9:33:41 AM

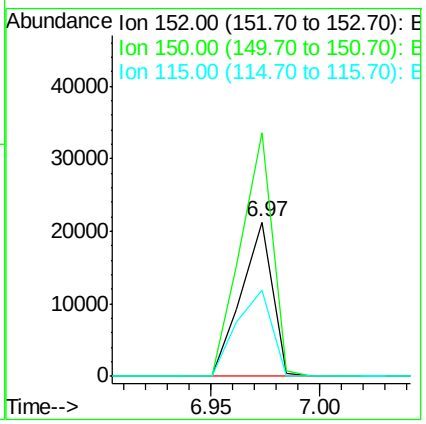




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 410
Delta R.T. -0.01 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion:152 Resp: 21256

Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.6	186.8
115	55.4	46.6	70.0



Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)

Manual Integrations APPROVED
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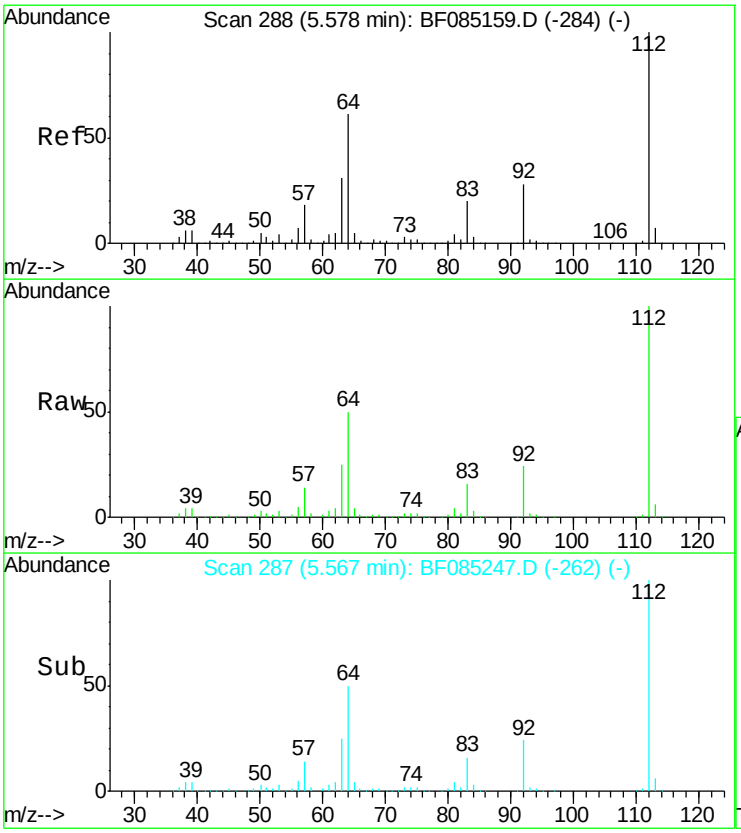
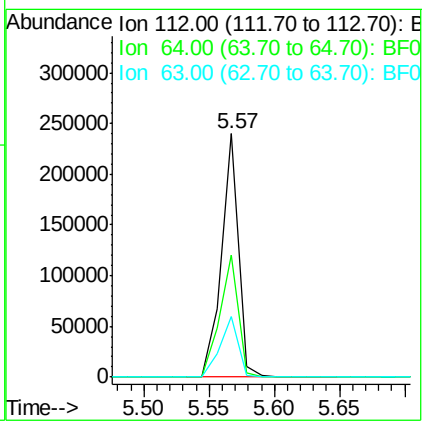
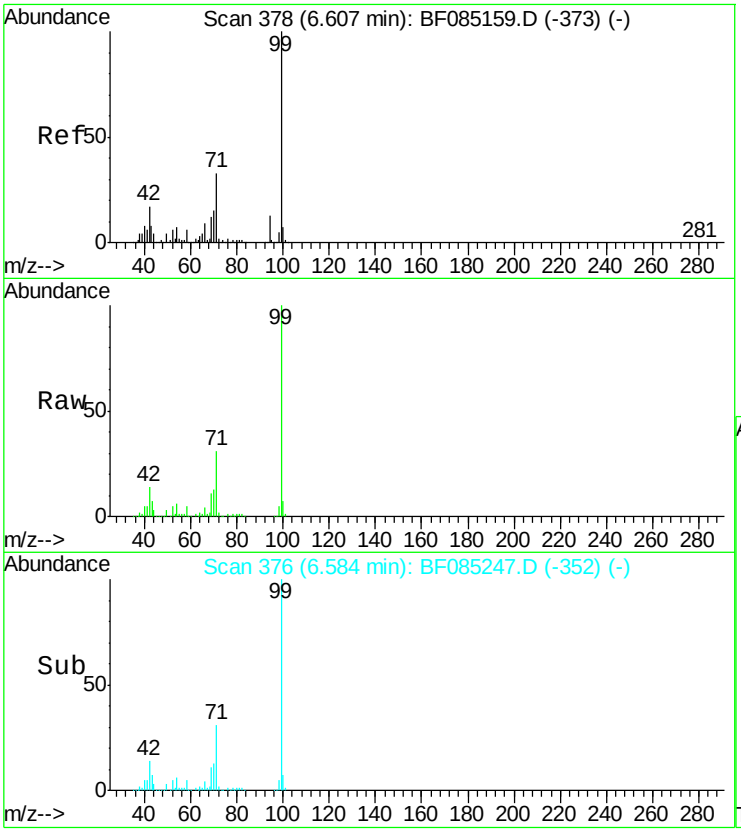


#5
2-Fluorophenol
Concen: 173.53 ng
RT: 5.57 min Scan# 287
Delta R.T. -0.01 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion:112 Resp: 219901

Ion	Ratio	Lower	Upper
112	100		
64	50.3	49.0	73.4
63	24.7	24.8	37.2#

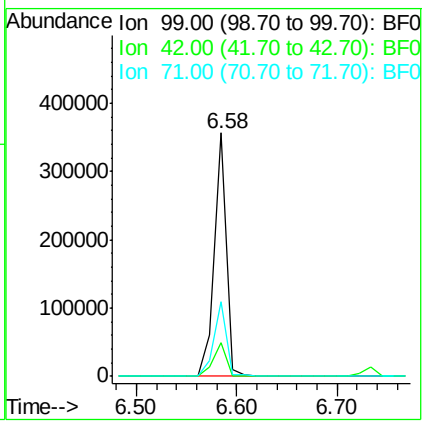




#7
Phenol-d6
Concen: 178.92 ng
RT: 6.58 min Scan# 376
Delta R.T. -0.02 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion: 99 Resp: 297056

Ion	Ratio	Lower	Upper
99	100		
42	13.6	13.6	20.4
71	30.5	26.7	40.1



Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)

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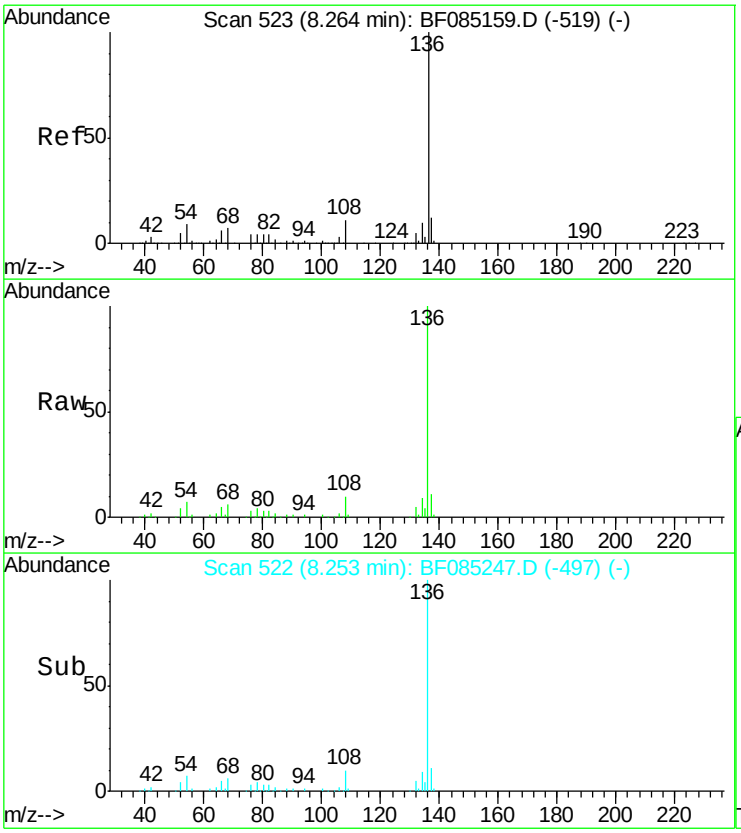
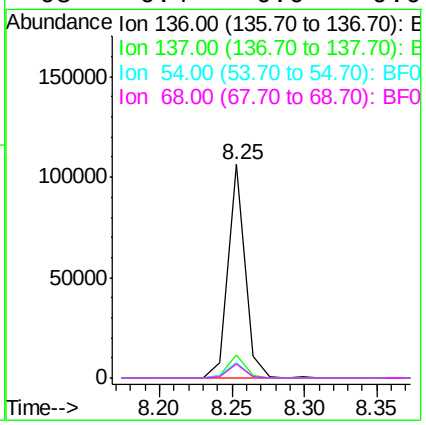
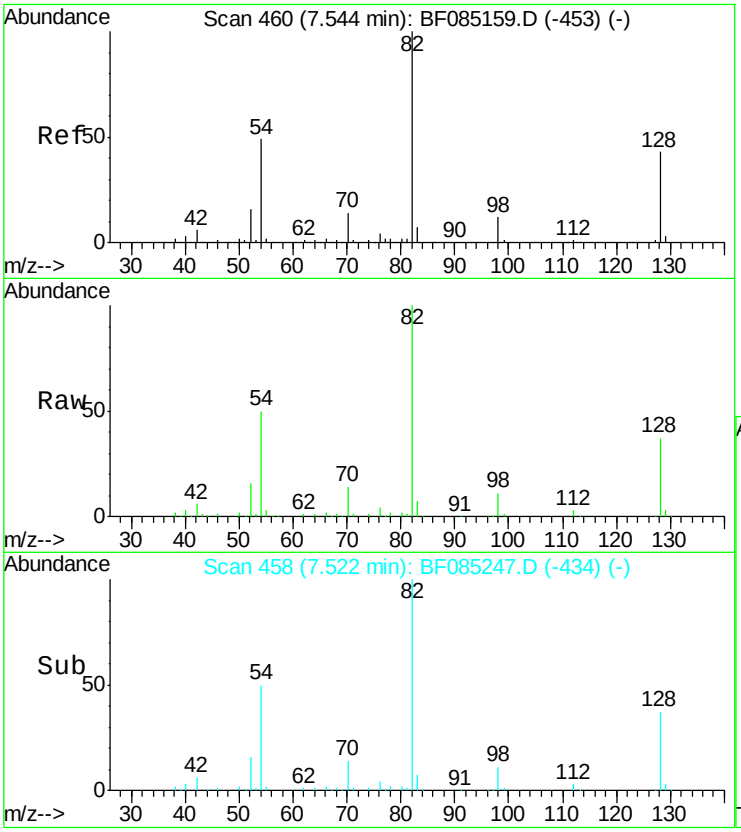


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.25 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion:136 Resp: 86127

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.3	13.9
54	7.4	7.4	11.2#
68	6.4	6.0	9.0

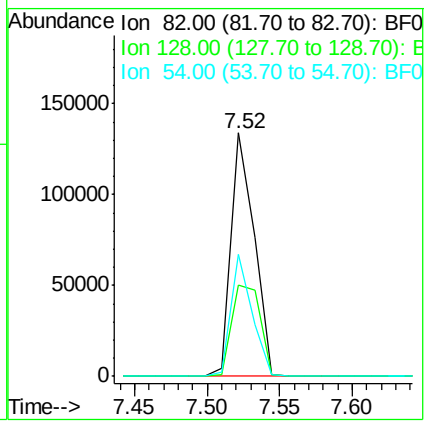




#23
Nitrobenzene-d5
Concen: 92.45 ng
RT: 7.52 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion: 82 Resp: 148790

Ion	Ratio	Lower	Upper
82	100		
128	37.4	34.5	51.7
54	50.2	39.3	58.9



Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)

Manual Integrations APPROVED
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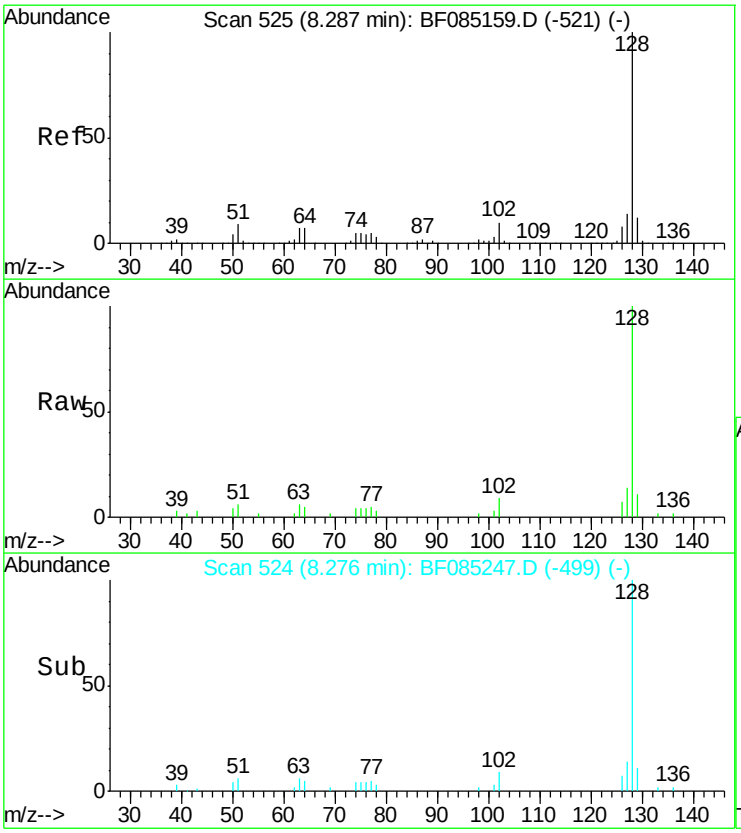
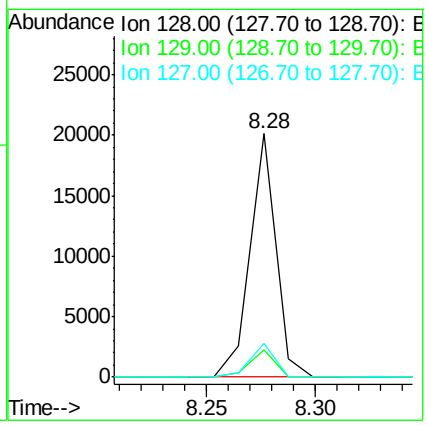
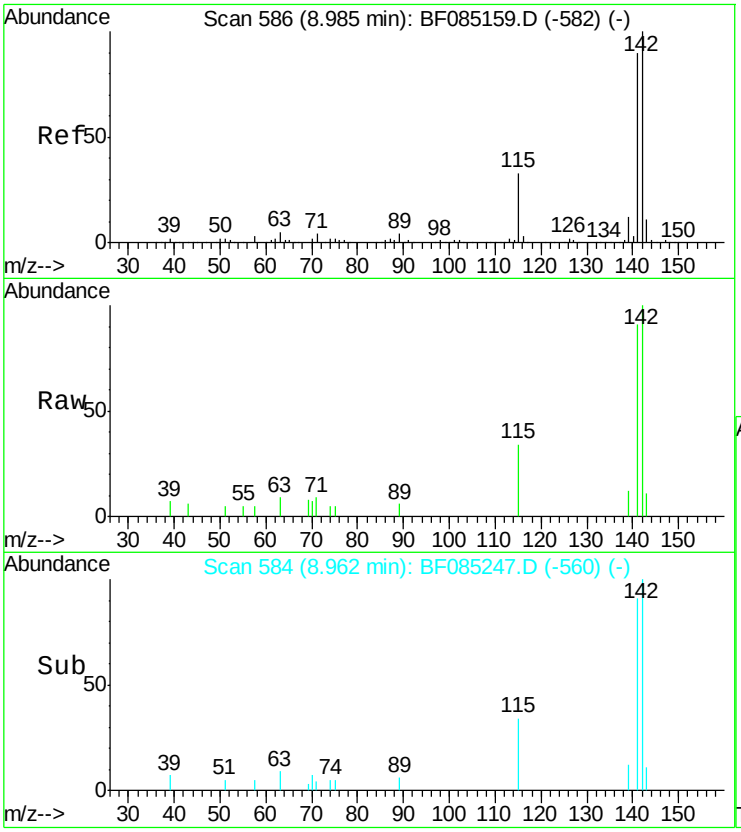


#31
Naphthalene
Concen: 3.91 ng
RT: 8.28 min Scan# 524
Delta R.T. -0.01 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion:128 Resp: 16560

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.7	14.5
127	14.0	11.2	16.8

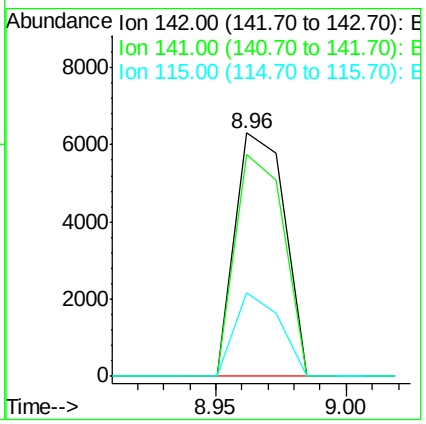




#37
2-Methylnaphthalene
Concen: 3.05 ng
RT: 8.96 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion:142 Resp: 8282

Ion	Ratio	Lower	Upper
142	100		
141	91.1	71.7	107.5
115	34.4	26.2	39.4



Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)

Manual Integrations APPROVED
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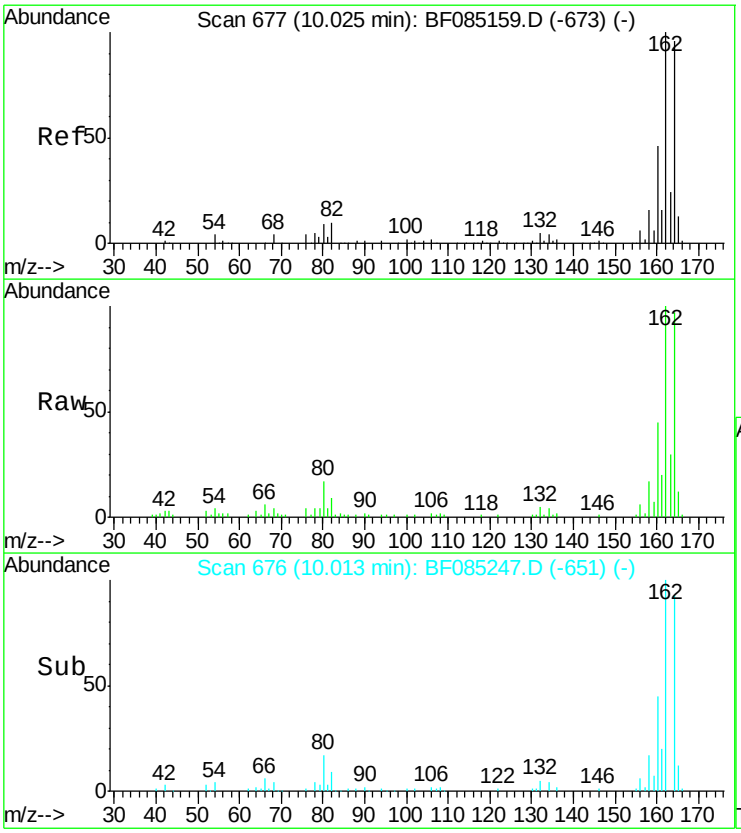
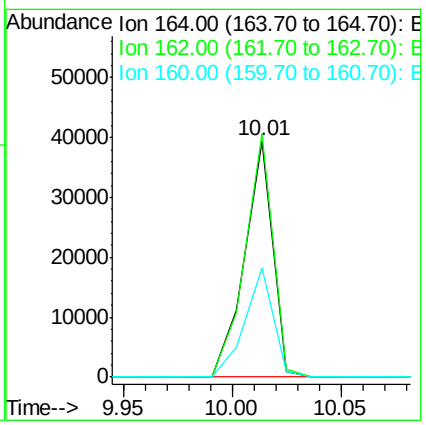
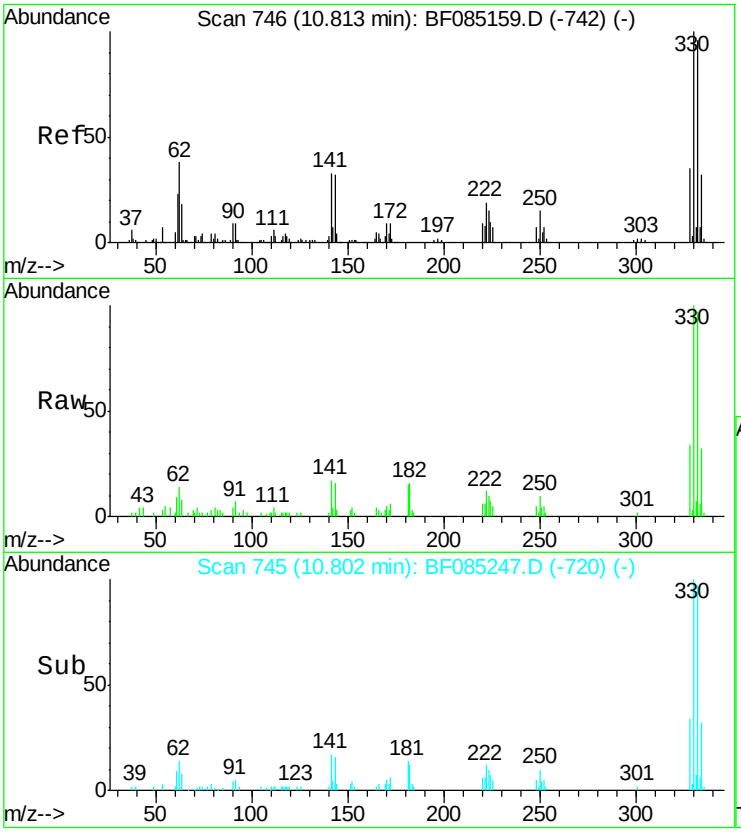


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.01 min Scan# 676
Delta R.T. -0.01 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion:164 Resp: 35401

Ion	Ratio	Lower	Upper
164	100		
162	102.9	83.3	124.9
160	45.9	37.9	56.9

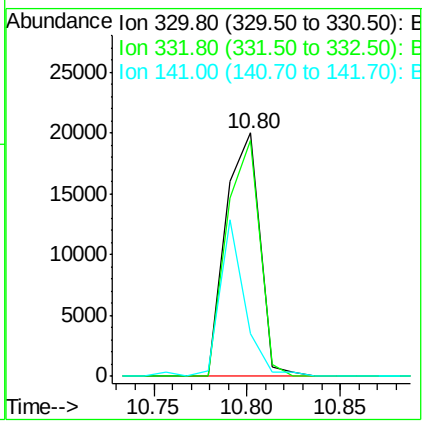




#41
2,4,6-Tribromophenol
Concen: 84.16 ng
RT: 10.80 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion:330 Resp: 25493

Ion	Ratio	Lower	Upper
330	100		
332	94.1	77.1	115.7
141	48.3	35.0	52.6



Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)

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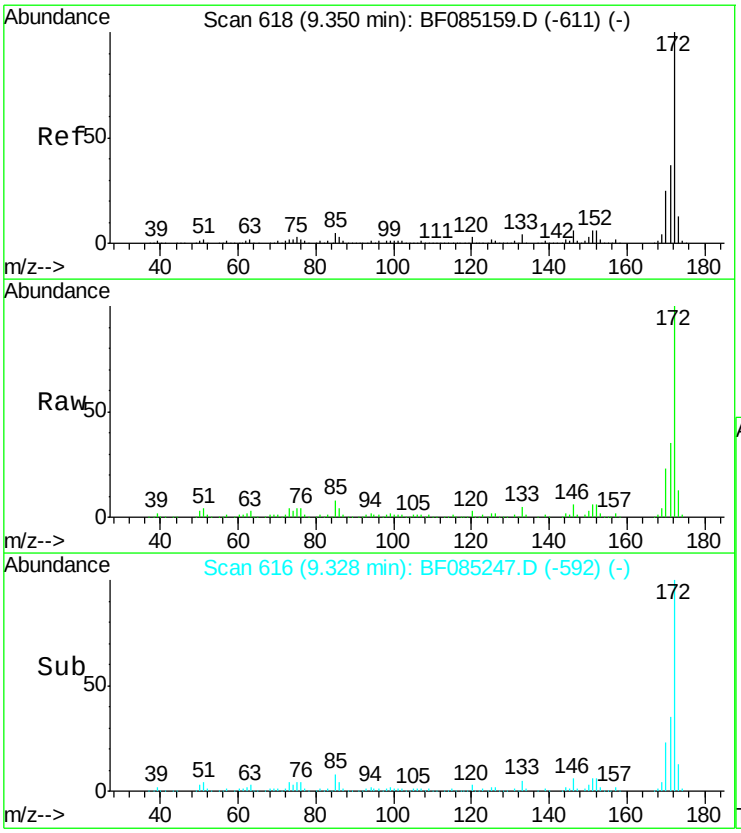
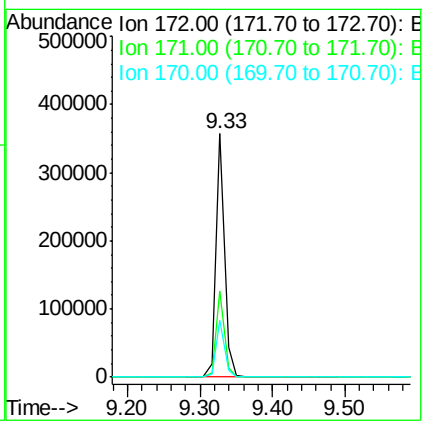
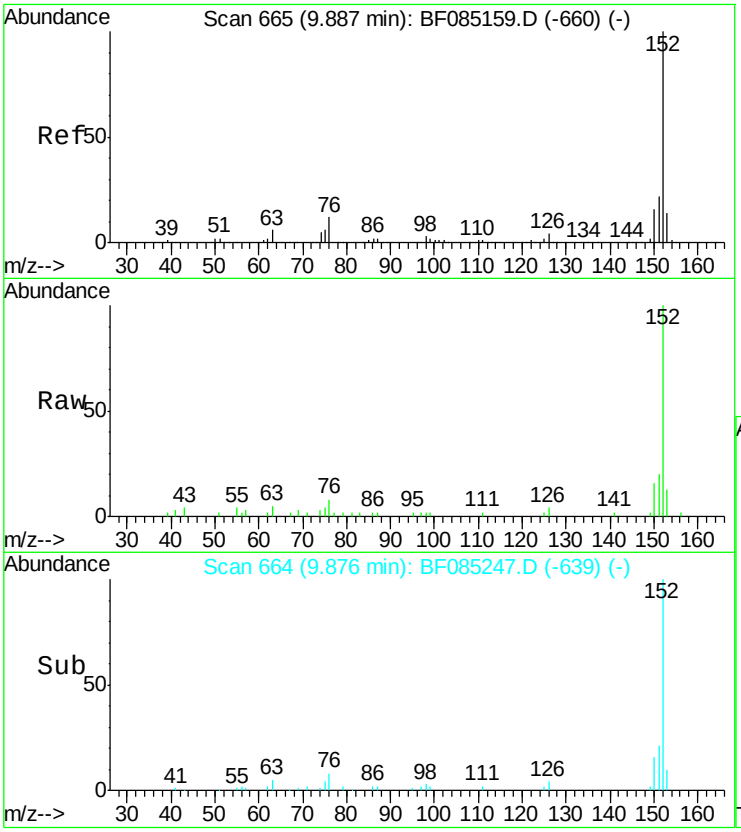


#44
2-Fluorobiphenyl
Concen: 126.09 ng
RT: 9.33 min Scan# 616
Delta R.T. -0.02 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion:172 Resp: 293502

Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.3	43.9
170	23.2	20.0	30.0

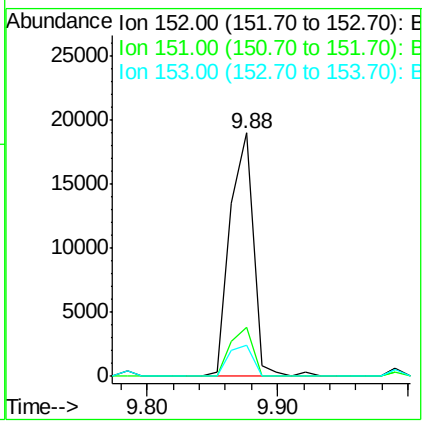




#48
Acenaphthylene
Concen: 6.56 ng
RT: 9.88 min Scan# 664
Delta R.T. -0.01 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion:152 Resp: 23535

Ion	Ratio	Lower	Upper
152	100		
151	19.9	17.5	26.3
153	12.8	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)

Manual Integrations APPROVED
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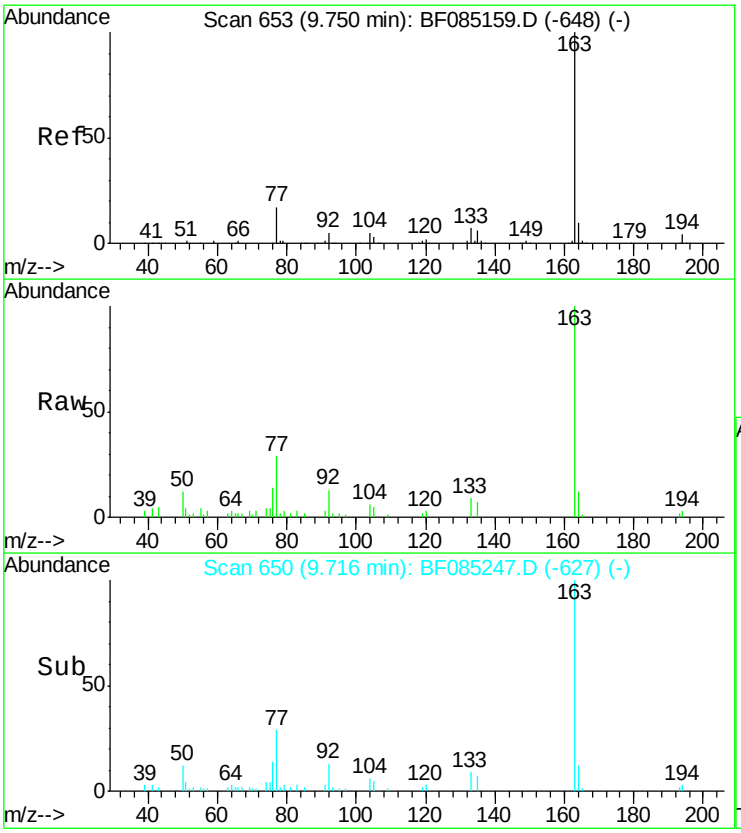
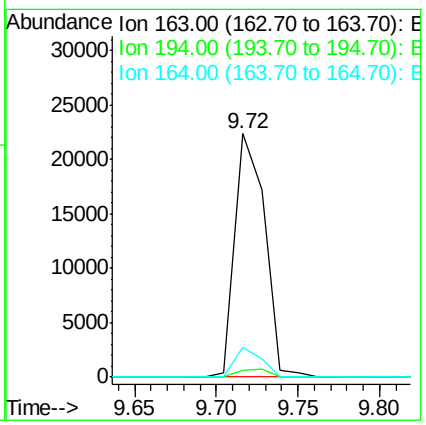
3/7/2016 9:33:41 AM

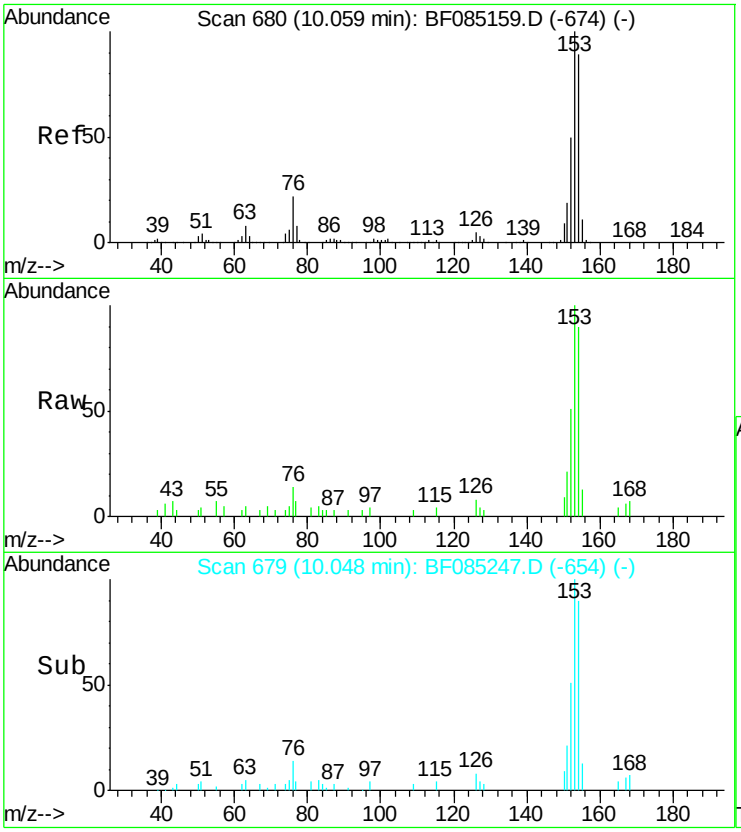


#49
Dimethylphthalate
Concen: 10.34 ng
RT: 9.72 min Scan# 650
Delta R.T. -0.03 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion:163 Resp: 28097

Ion	Ratio	Lower	Upper
163	100		
194	2.7	3.1	4.7#
164	12.2	8.2	12.4

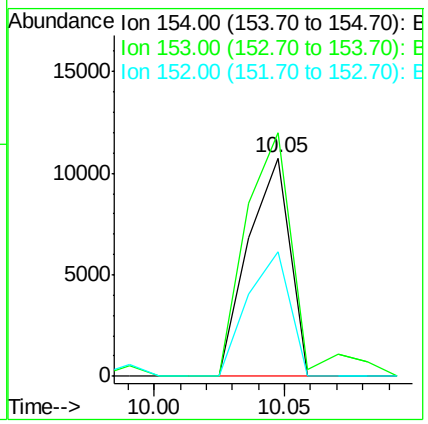




#51
Acenaphthene
Concen: 5.54 ng
RT: 10.05 min Scan# 679
Delta R.T. -0.01 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion:154 Resp: 12069

Ion	Ratio	Lower	Upper
154	100		
153	111.4	89.8	134.8
152	57.0	44.6	66.8



Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)

Manual Integrations APPROVED
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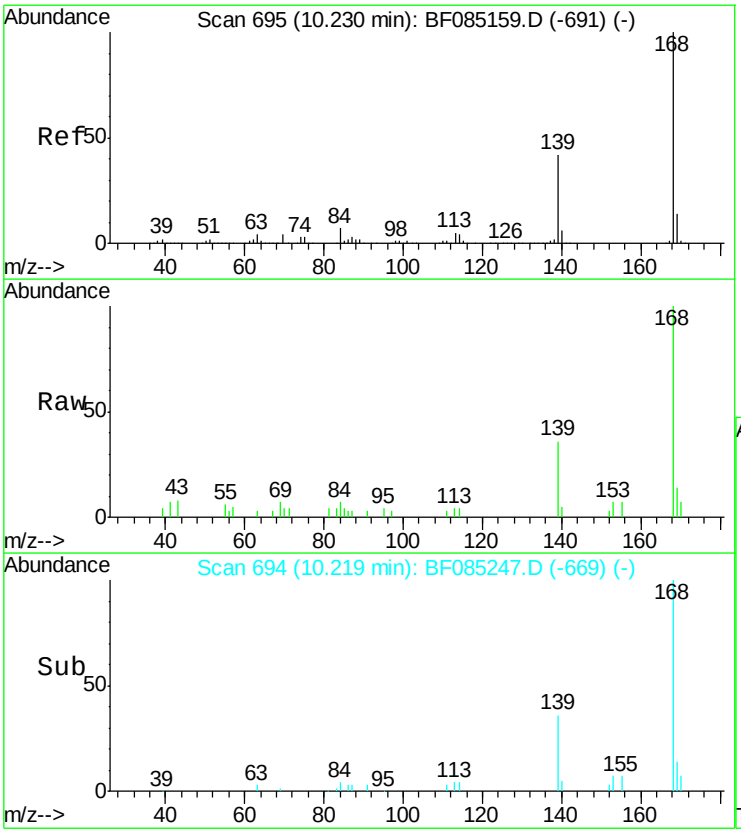
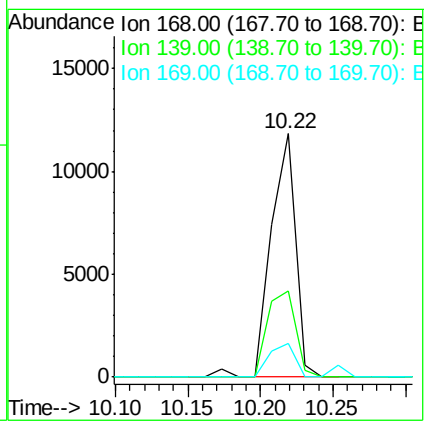
3/7/2016 9:33:41 AM

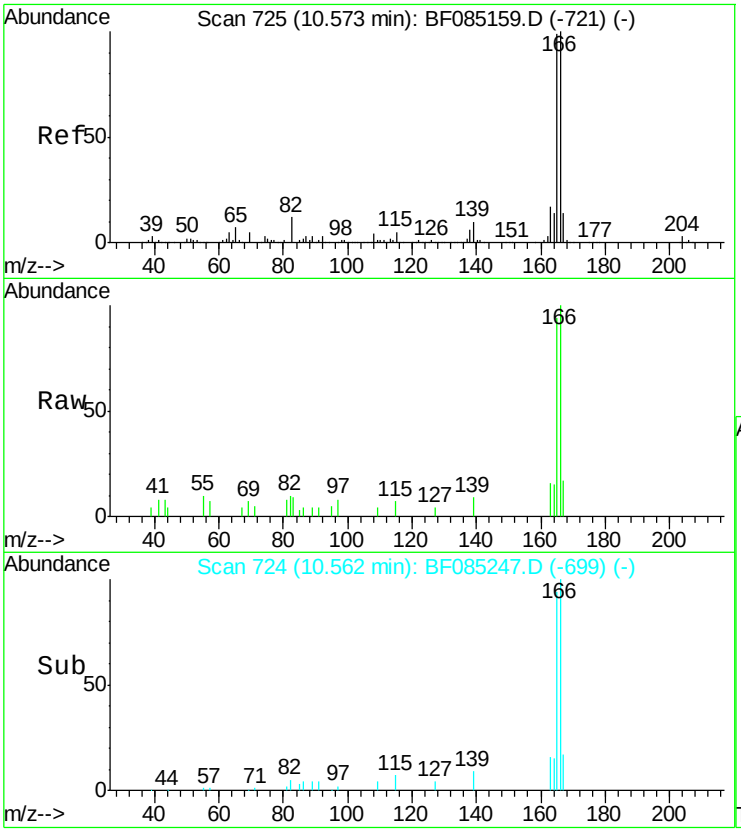


#54
Dibenzofuran
Concen: 4.87 ng
RT: 10.22 min Scan# 694
Delta R.T. -0.01 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion:168 Resp: 13897

Ion	Ratio	Lower	Upper
168	100		
139	35.6	33.6	50.4
169	14.0	11.2	16.8

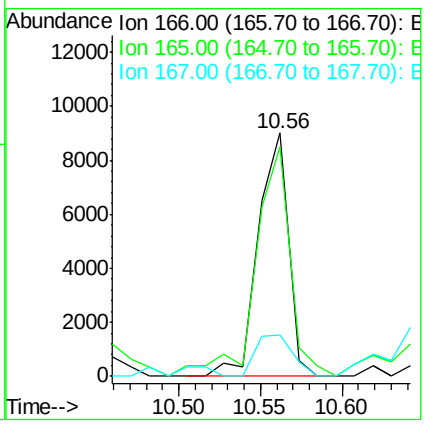




#57
Fluorene
Concen: 5.18 ng
RT: 10.56 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

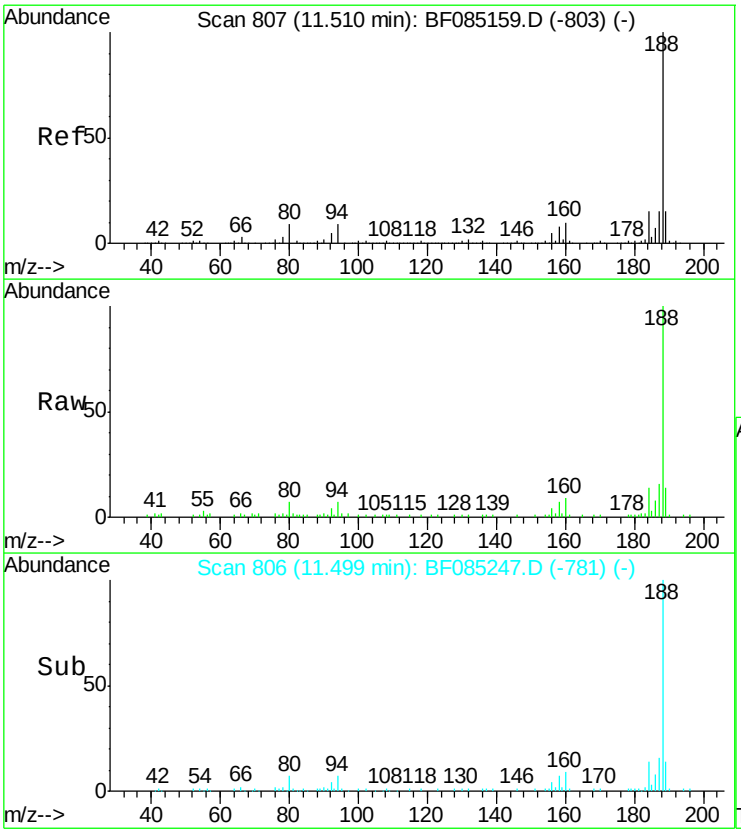
Tgt Ion:166 Resp: 11610

Ion	Ratio	Lower	Upper
166	100		
165	94.1	79.4	119.0
167	16.9	11.0	16.6#



Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)

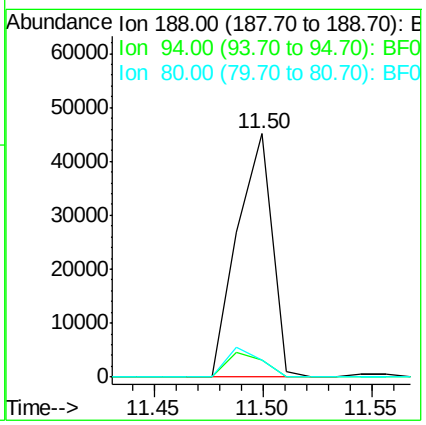
Manual Integrations APPROVED
UMANGI
3/7/2016 9:33:41 AM

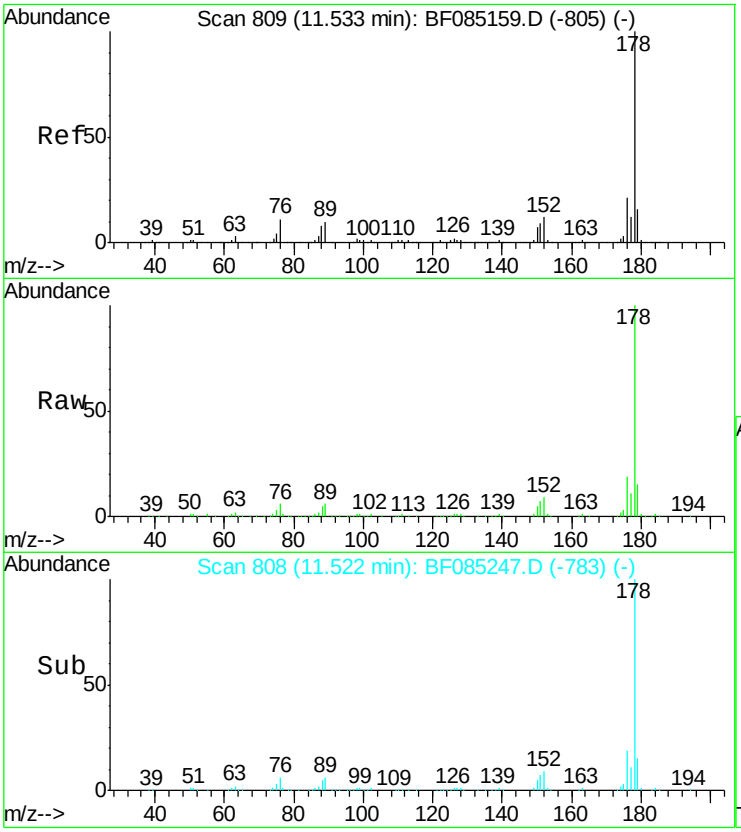


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion:188 Resp: 50112

Ion	Ratio	Lower	Upper
188	100		
94	7.1	7.0	10.6
80	7.2	7.4	11.0#

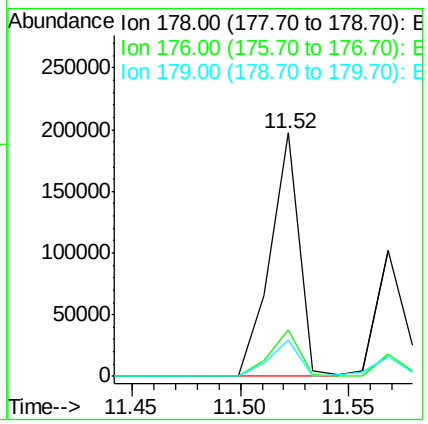




#70
Phenanthrene
Concen: 70.55 ng
RT: 11.52 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion:178 Resp: 185290

Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.8	25.2
179	14.9	13.1	19.7



Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)

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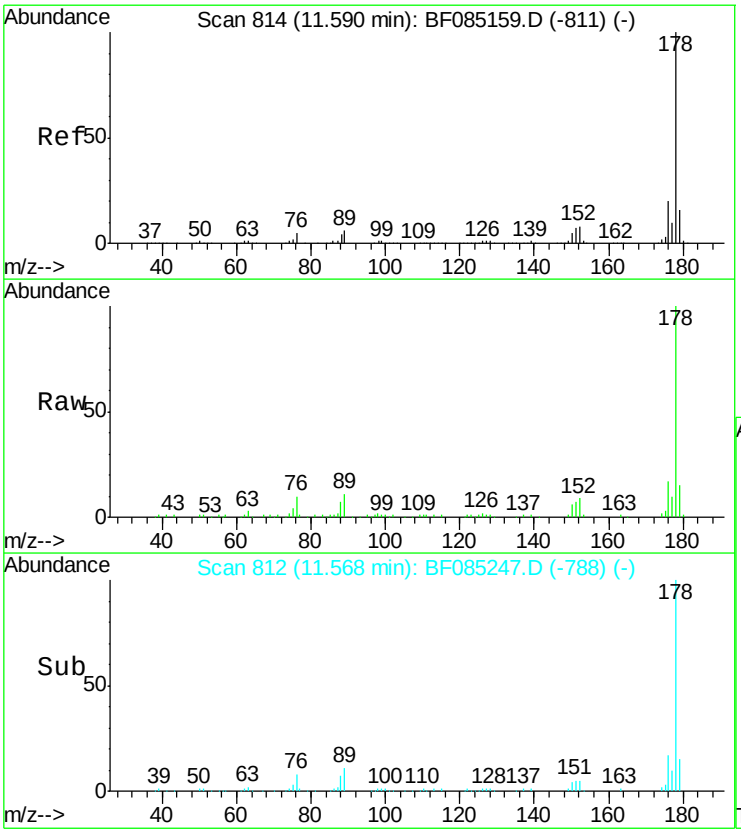
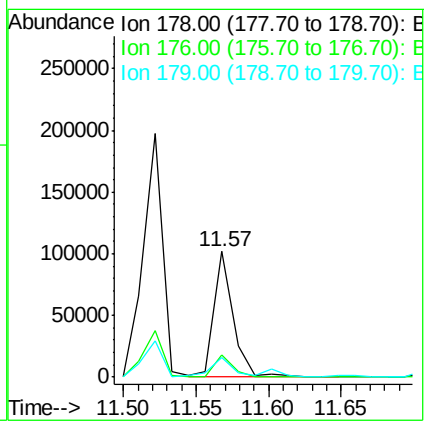
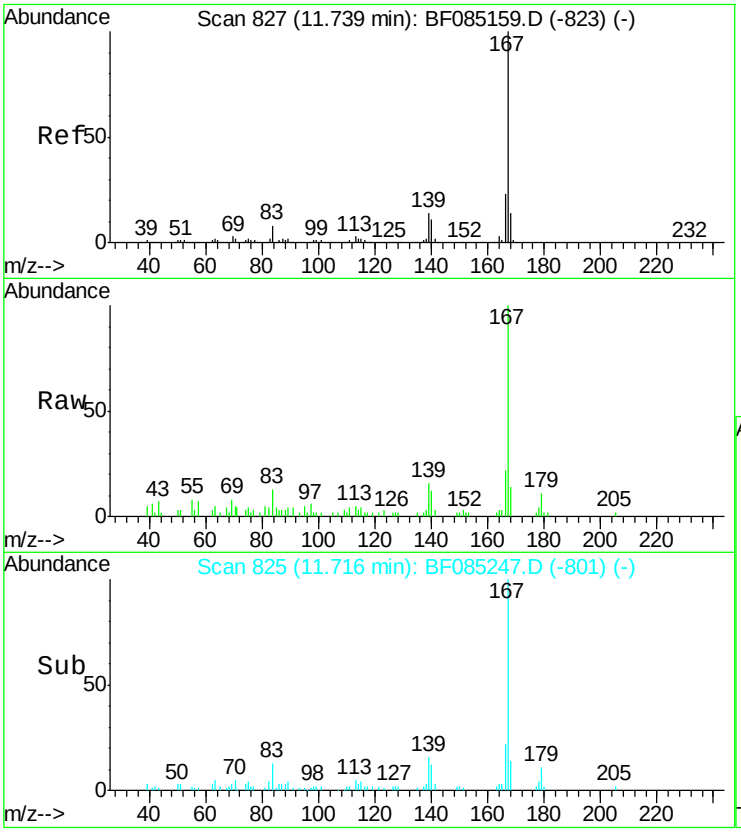


#71
Anthracene
Concen: 33.00 ng
RT: 11.57 min Scan# 812
Delta R.T. -0.02 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion:178 Resp: 91997

Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.9	23.9
179	15.3	12.5	18.7

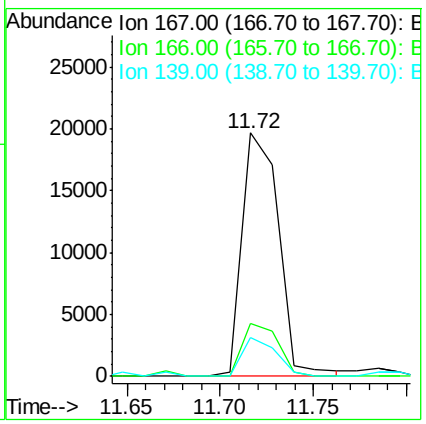




#72
Carbazole
Concen: 10.92 ng
RT: 11.72 min Scan# 825
Delta R.T. -0.02 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion:167 Resp: 26705

Ion	Ratio	Lower	Upper
167	100		
166	21.6	18.2	27.2
139	16.1	11.4	17.0



Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)

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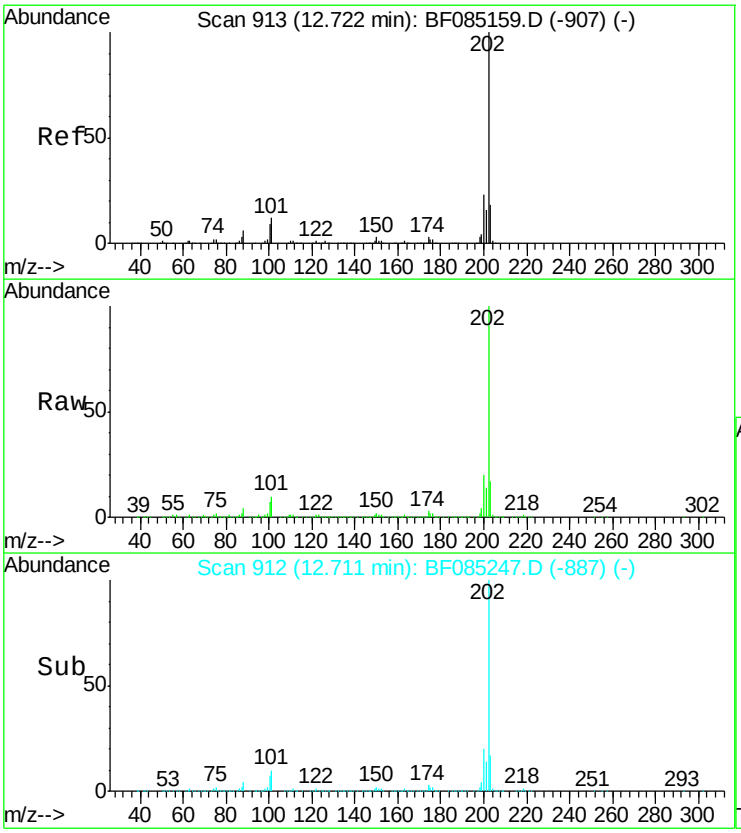
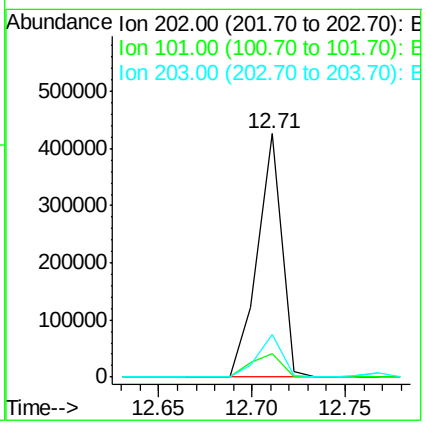
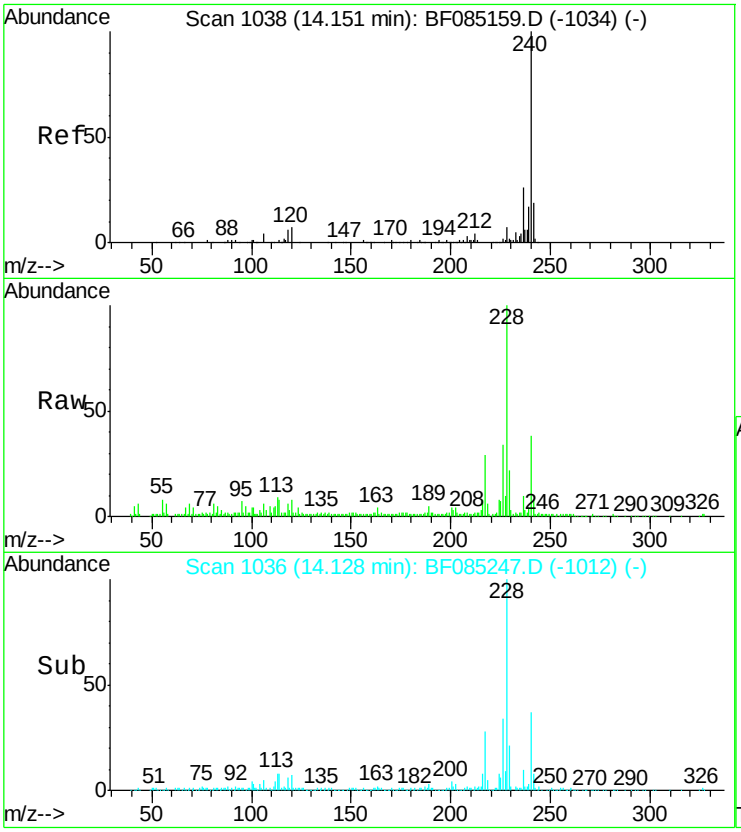


#74
Fluoranthene
Concen: 145.88 ng
RT: 12.71 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion:202 Resp: 384483

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	31.8
203	17.3	0.0	38.4

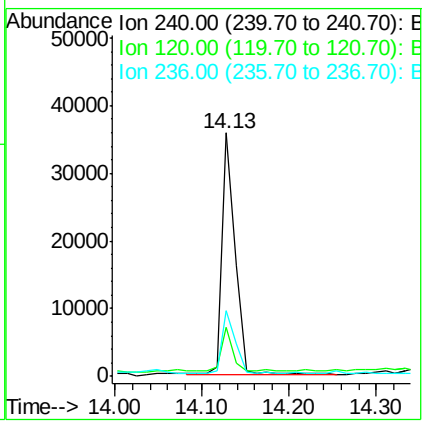




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.13 min Scan# 1036
Delta R.T. -0.02 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion:240 Resp: 37683

Ion	Ratio	Lower	Upper
240	100		
120	20.4	5.3	7.9#
236	27.1	20.7	31.1



Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)

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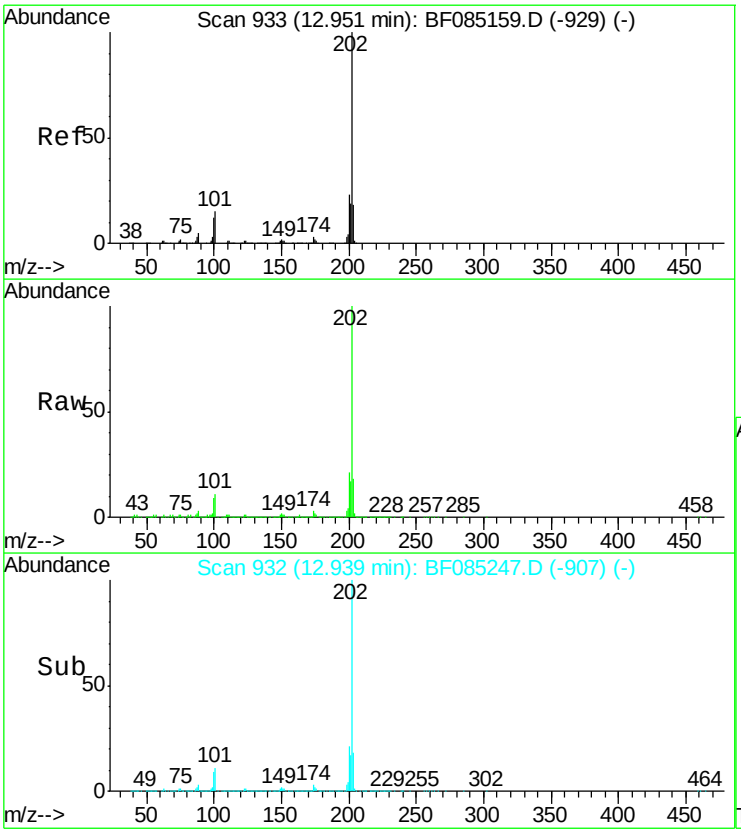
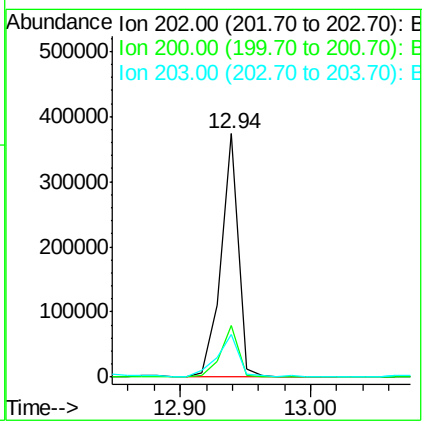
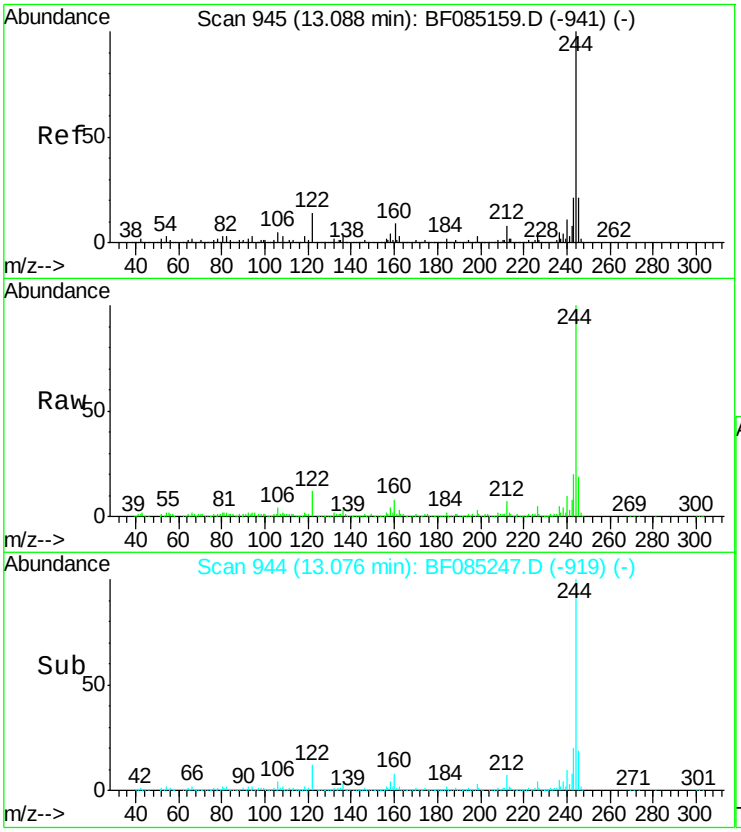


#77
Pyrene
Concen: 122.80 ng
RT: 12.94 min Scan# 932
Delta R.T. -0.01 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion:202 Resp: 348280

Ion	Ratio	Lower	Upper
202	100		
200	21.3	18.2	27.4
203	17.8	14.7	22.1

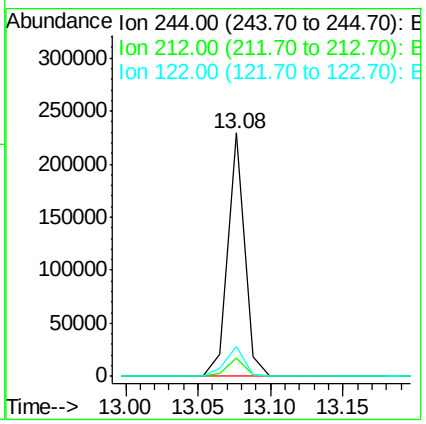




#78
Terphenyl-d14
Concen: 114.43 ng
RT: 13.08 min Scan# 944
Delta R.T. -0.01 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion:244 Resp: 185754

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.4	9.6
122	12.4	11.4	17.2



Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)

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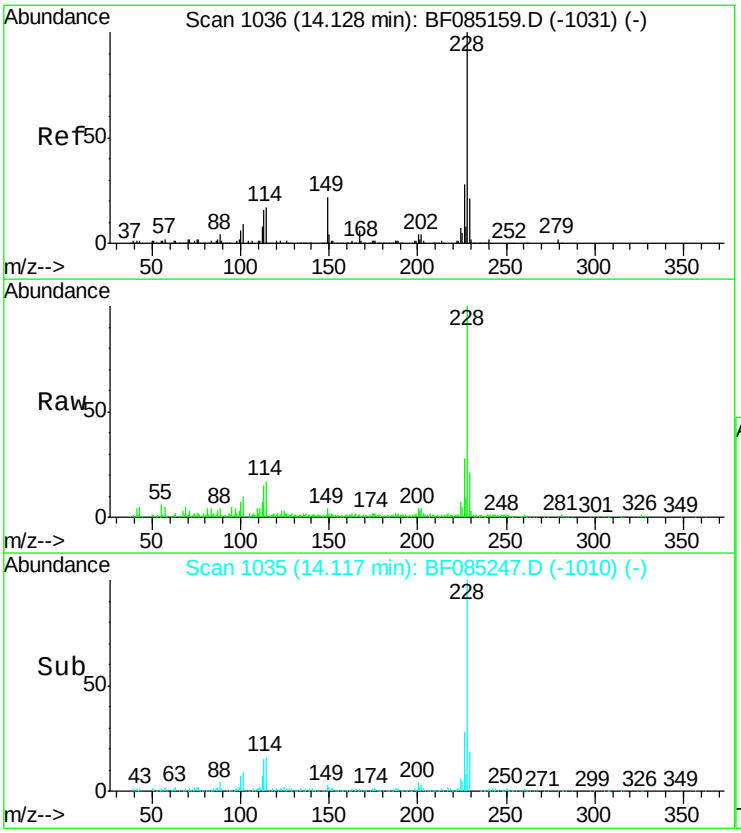
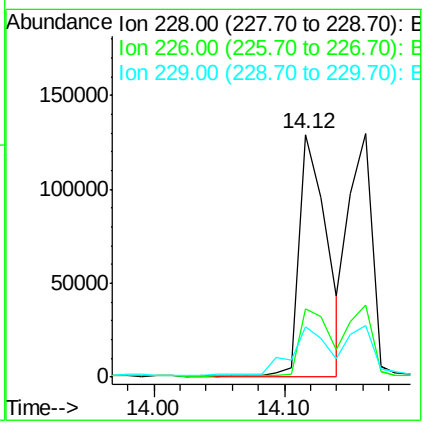
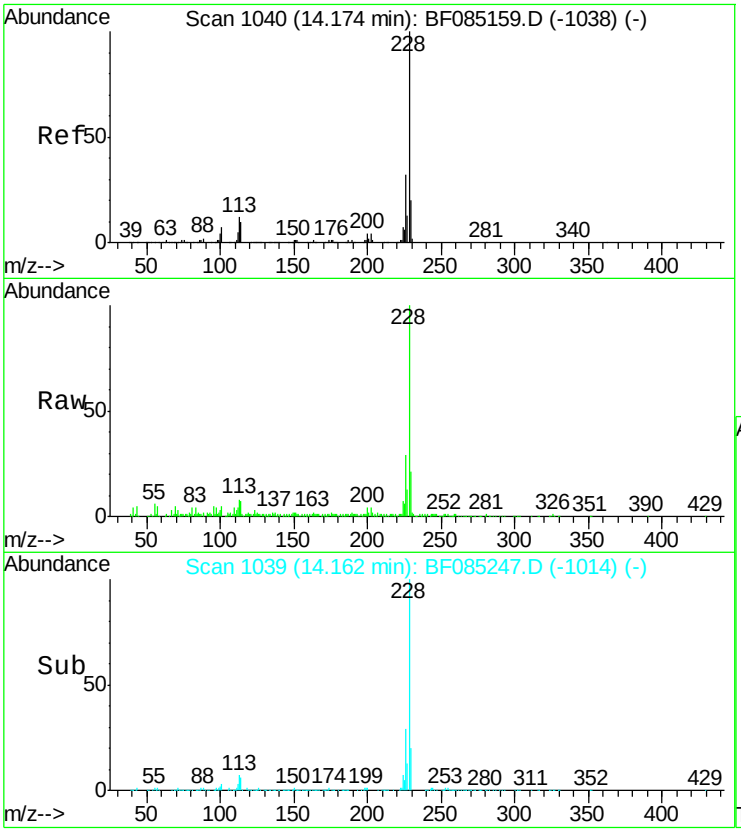


#80
Benzo(a)anthracene
Concen: 83.70 ng
RT: 14.12 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion:228 Resp: 188812

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.8	34.2
229	20.5	16.6	24.8

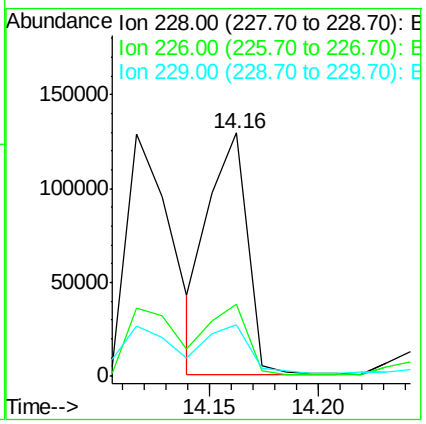




#82
Chrysene
Concen: 76.65 ng
RT: 14.16 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion:228 Resp: 159737

Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.2	37.8
229	21.3	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)

Manual Integrations APPROVED
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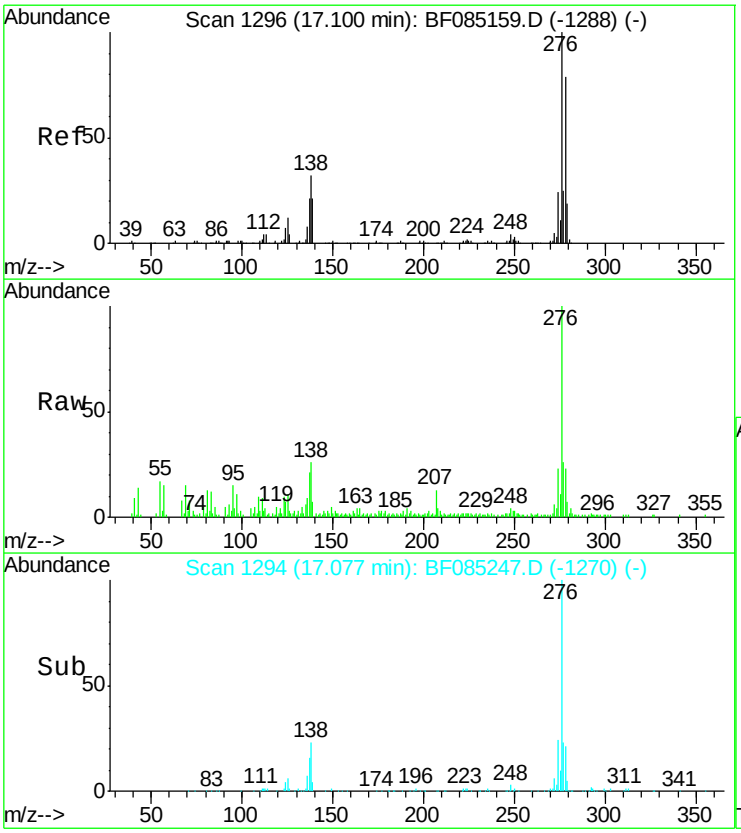
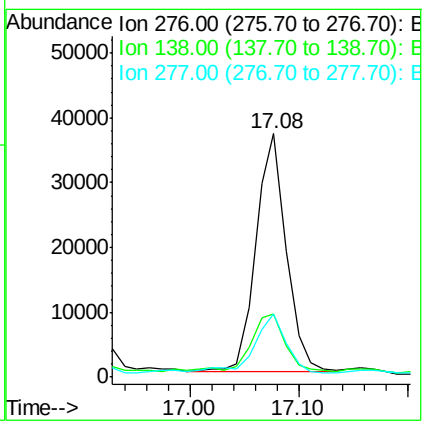
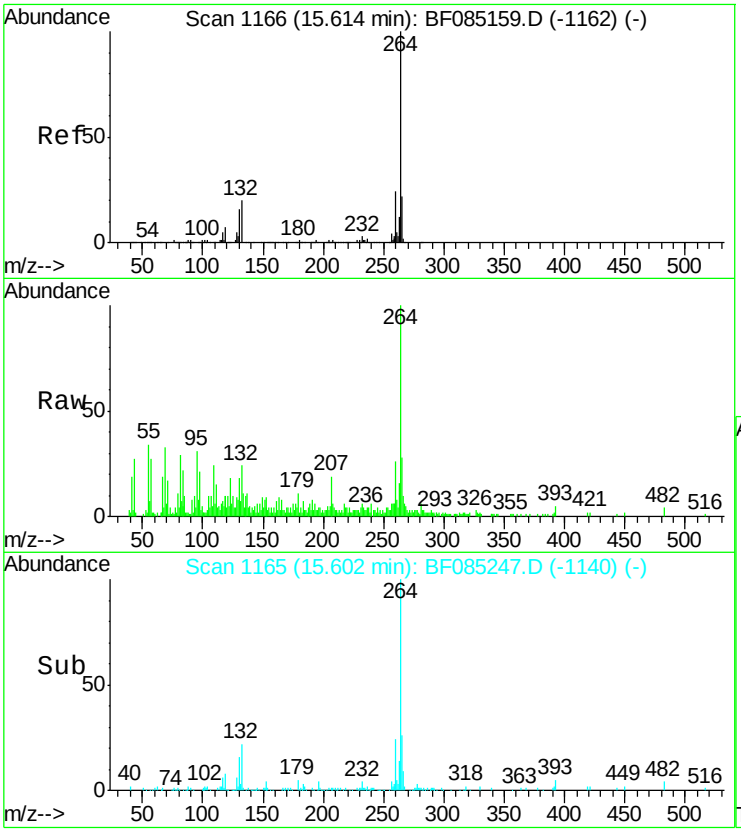


#85
Indeno(1,2,3-cd)pyrene
Concen: 44.20 ng
RT: 17.08 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion:276 Resp: 71882

Ion	Ratio	Lower	Upper
276	100		
138	28.1	26.4	39.6
277	28.0	20.2	30.2

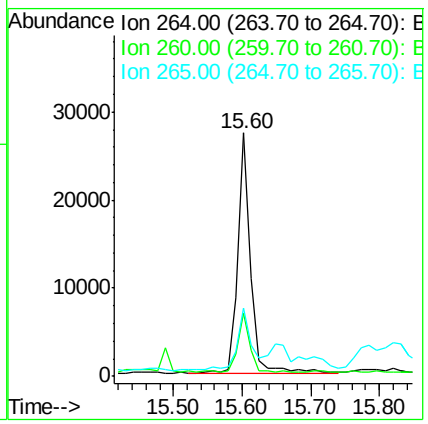




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.60 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion:264 Resp: 35757

Ion	Ratio	Lower	Upper
264	100		
260	26.1	19.2	28.8
265	28.1	17.3	25.9#



Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)

Manual Integrations APPROVED
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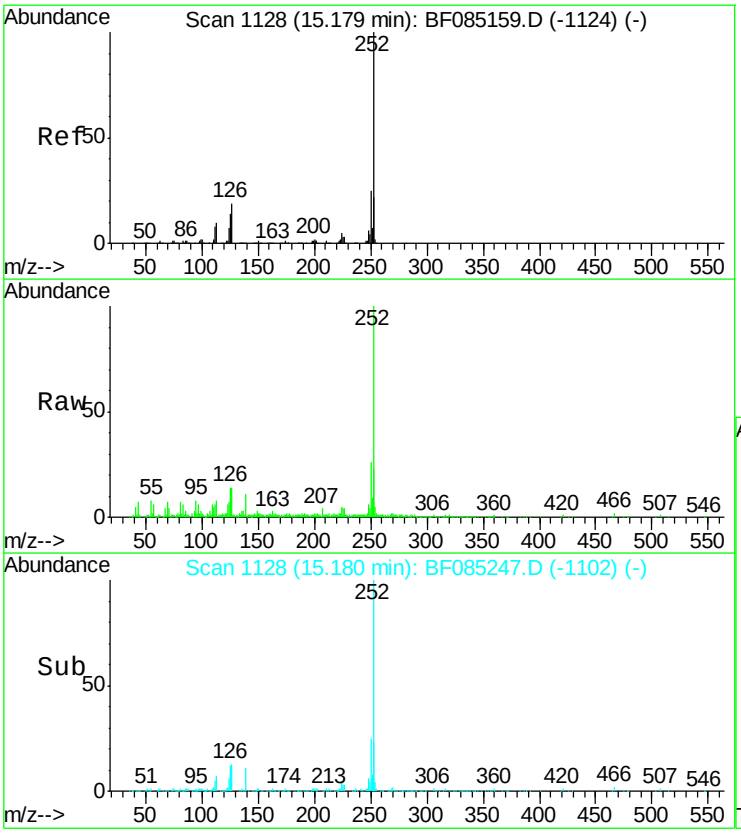
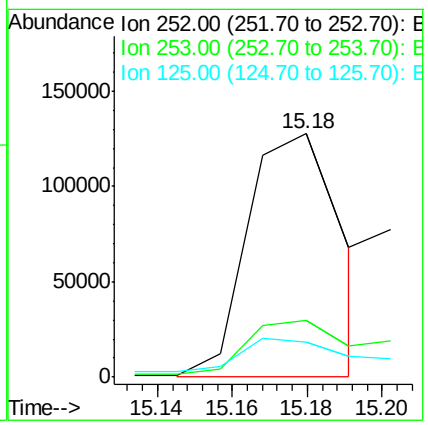
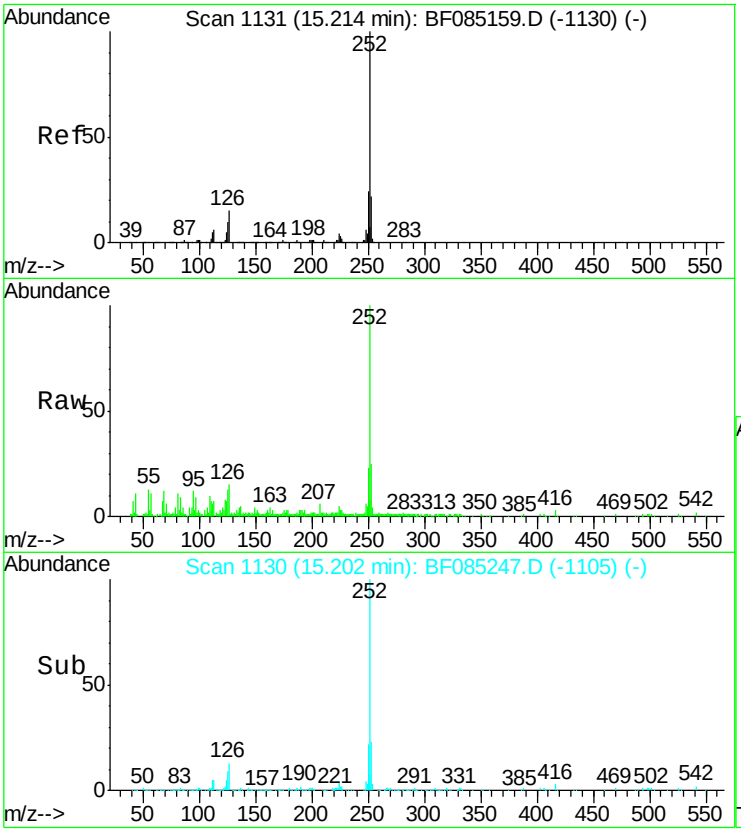


#87
Benzo(b)fluoranthene
Concen: 93.37 ng m
RT: 15.18 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion:252 Resp: 222530

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	14.3	11.3	16.9

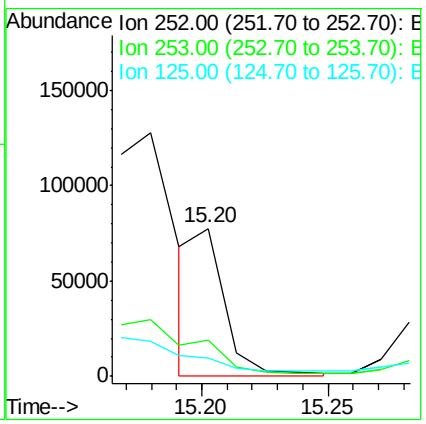




#88
Benzo(k)fluoranthene
Concen: 34.24 ng m
RT: 15.20 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion:252 Resp: 65824

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.8	26.6
125	12.7	10.4	15.6



Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)

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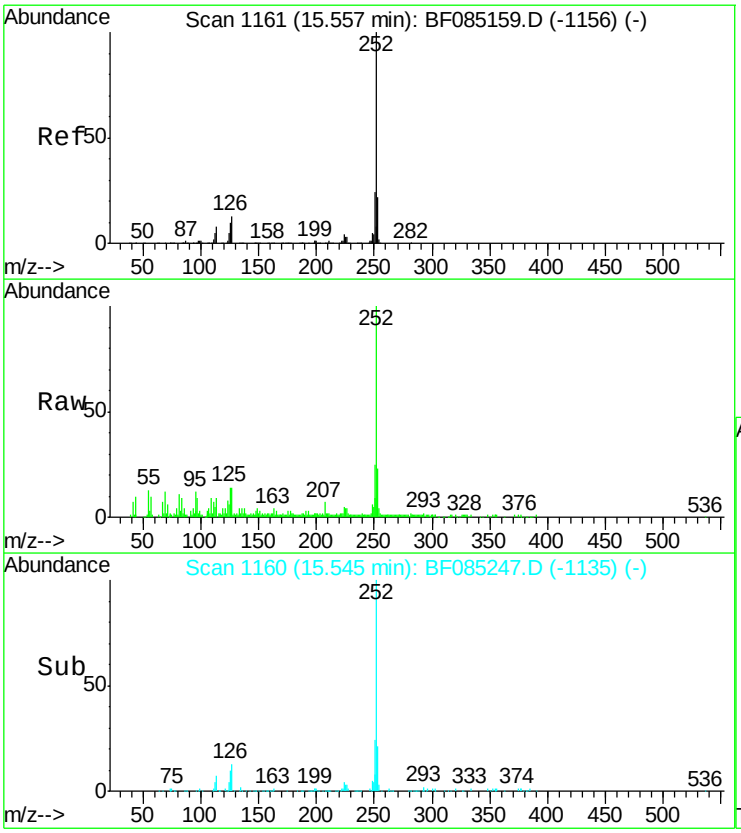
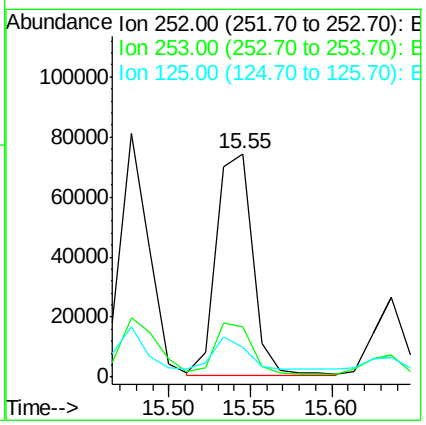
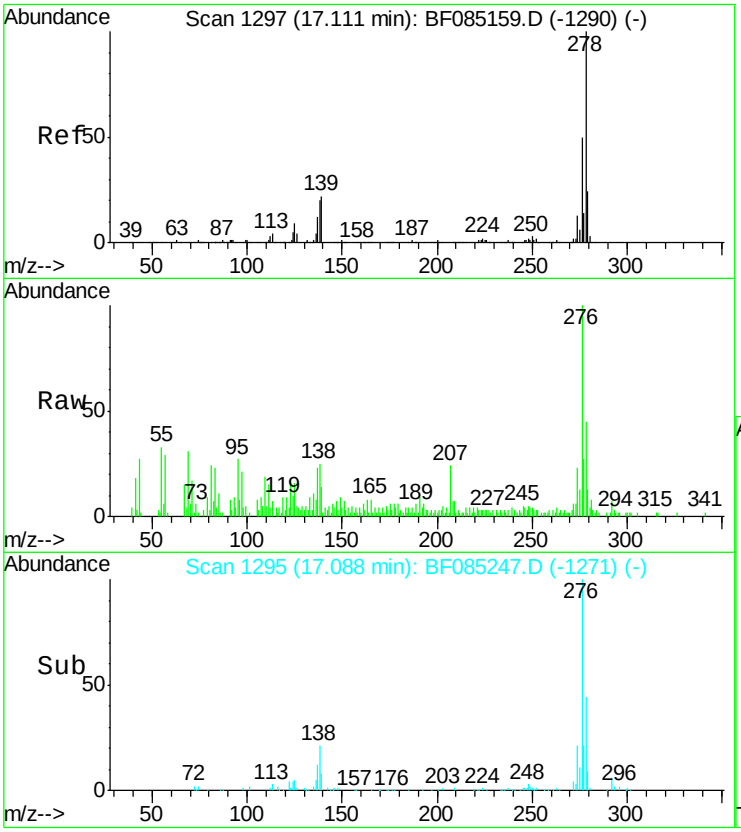


#89
Benzo(a)pyrene
Concen: 56.85 ng
RT: 15.55 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion:252 Resp: 112283

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	13.6	8.2	12.4#

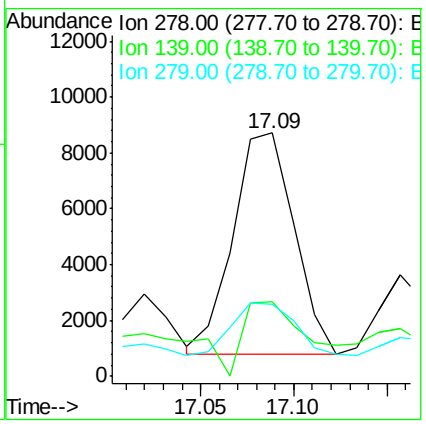




#90
Dibenzo(a,h)anthracene
Concen: 10.75 ng
RT: 17.09 min Scan# 1295
Delta R.T. -0.02 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion:278 Resp: 18131

Ion	Ratio	Lower	Upper
278	100		
139	30.6	17.3	25.9#
279	29.6	19.2	28.8#



Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)

Manual Integrations APPROVED
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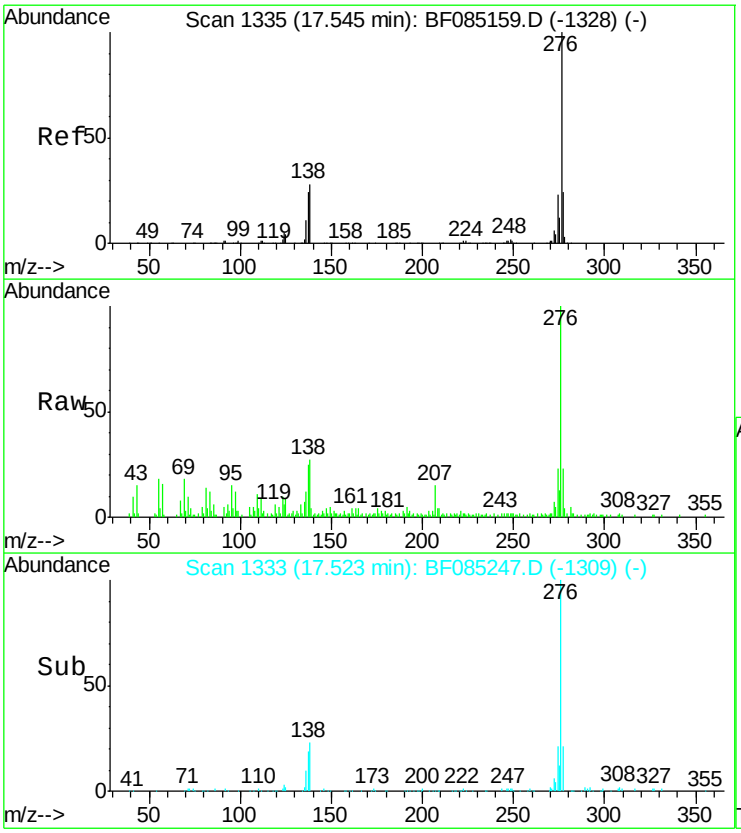

#91
Benzo(g,h,i)perylene
Concen: 39.46 ng
RT: 17.52 min Scan# 1333
Delta R.T. -0.02 min
Lab File: BF085247.D
Acq: 5 Mar 2016 11:52

Tgt Ion:276 Resp: 66890

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.0	28.4
138	26.8	22.5	33.7