Quantitation Report (QT Reviewed)

Data Path : U:\HPCHEM1\BNA F\DATA\BF101915\
Data File : BF082385.D
Acq On : 20 Oct 2015 6:28
Operator : UM/IZ
Sample : G4009-03DL 2X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KW-3DL

Manual Integrations APPROVED
MMdadoda
10/20/2015 6:26:06 PM

Quant Time: Oct 20 08:39:20 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 12 01:46:21 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	102516	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	394864	20.00	ng	-0.03
38) Acenaphthene-d10	9.85	164	191113	20.00	ng	-0.03
63) Phenanthrene-d10	11.34	188	316080	20.00	ng	-0.03
75) Chrysene-d12	14.01	240	235137	20.00	ng	0.00
86) Perylene-d12	15.50	264	232874	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	335495	66.05	ng	-0.03
7) Phenol-d6	6.45	99	473187	71.58	ng	-0.03
23) Nitrobenzene-d5	7.37	82	271925	46.25	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	81499	45.47	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	493321	42.81	ng	-0.03
78) Terphenyl-d14	12.93	244	343425	38.70	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	8.11	128	65800	3.84	ng	99
49) Dimethylphthalate	9.57	163	108796	8.08	ng	99
51) Acenaphthene	9.89	154	39180	3.65	ng	99
54) Dibenzofuran	10.06	168	59557	4.04	ng	95
57) Fluorene	10.40	166	58353	4.82	ng	100
70) Phenanthrene	11.37	178	769369	49.66	ng	99
71) Anthracene	11.42	178	174383	10.92	ng	98
72) Carbazole	11.58	167	102098	7.01	ng	98
74) Fluoranthene	12.56	202	678225	40.76	ng	99
77) Pyrene	12.79	202	527074	37.77	ng	99
80) Benzo(a)anthracene	14.00	228	266672	21.80	ng	97
82) Chrysene	14.04	228	237264m	18.41	ng	
85) Indeno(1,2,3-cd)pyrene	16.92	276	94664	9.24	ng	97
87) Benzo(b)fluoranthene	15.09	252	268550m	18.95	ng	
88) Benzo(k)fluoranthene	15.11	252	100016m	8.40	ng	
89) Benzo(a)pyrene	15.44	252	177123	14.55	ng	98
90) Dibenzo(a,h)anthracene	16.93	278	25390m	2.54	ng	
91) Benzo(g,h,i)perylene	17.34	276	82447	8.51	ng	96

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

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Manual Integrations APPROVED
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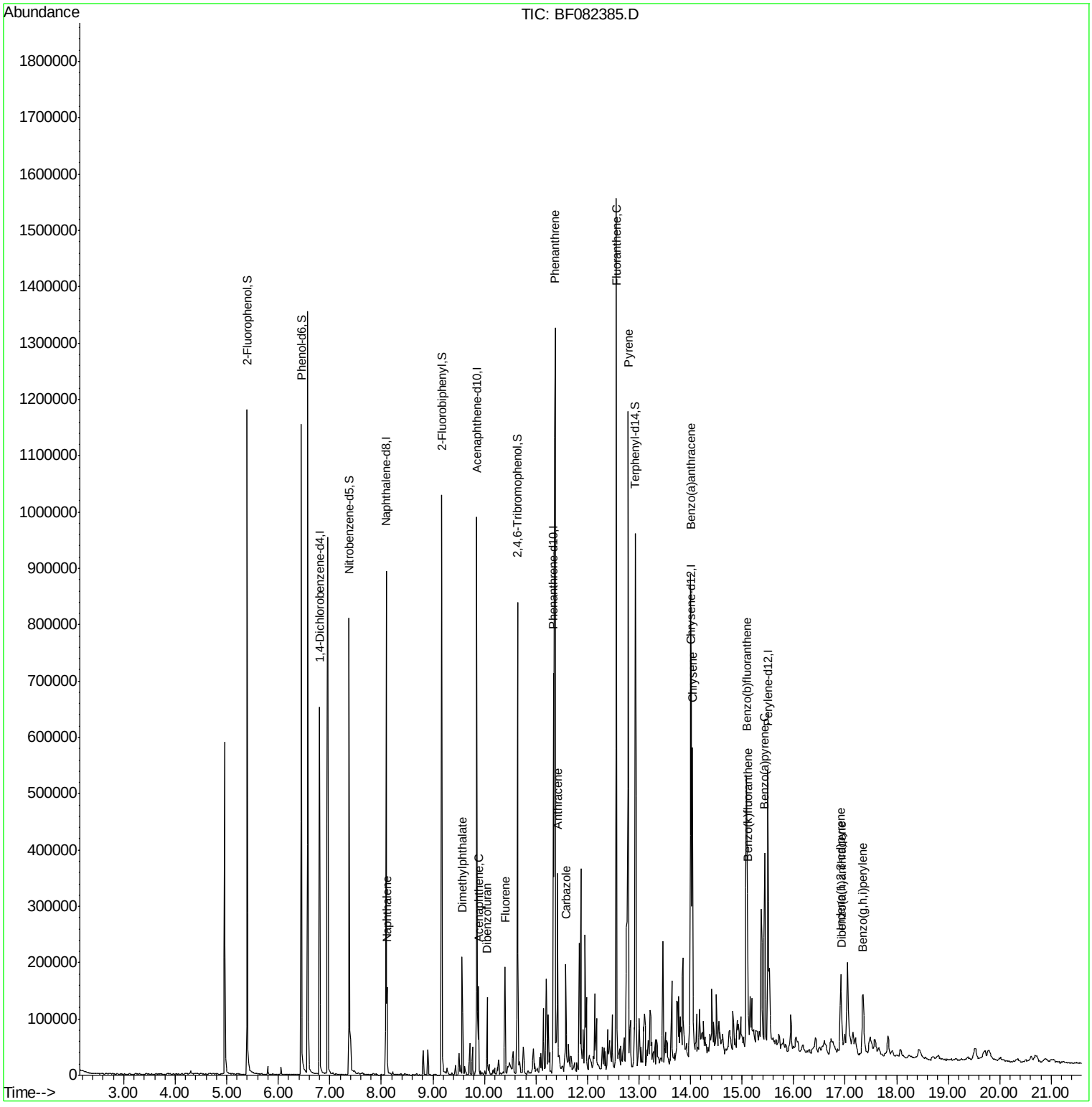
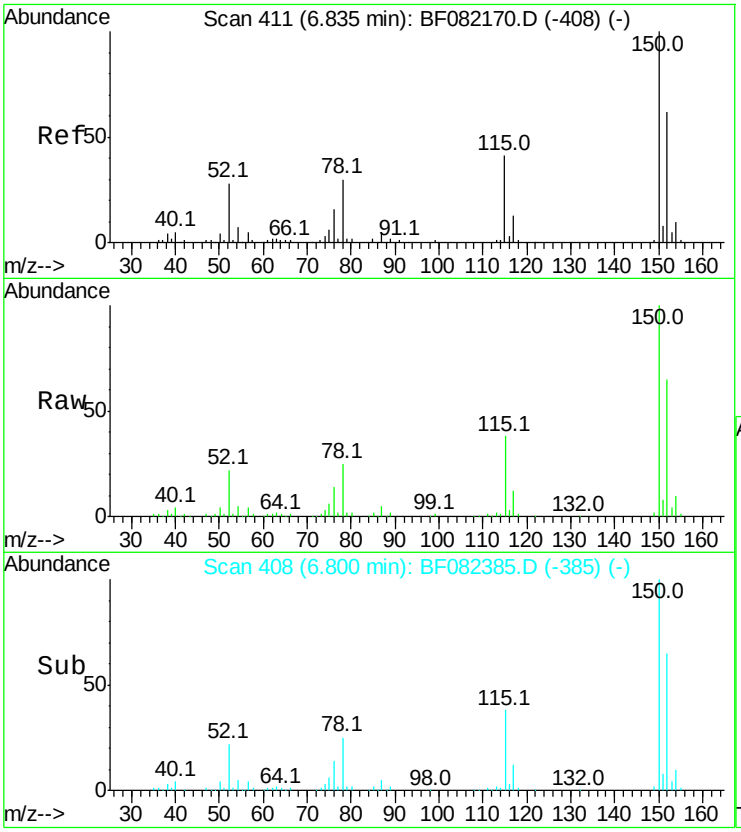
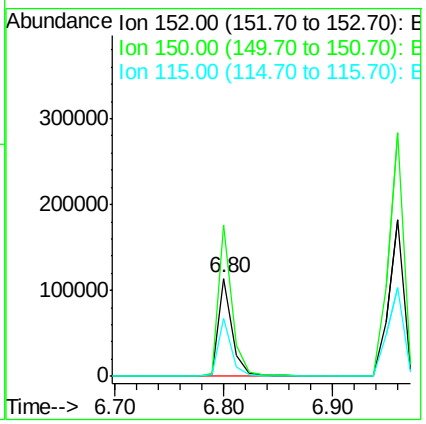




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 408
Delta R.T. -0.03 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

Tgt Ion:152 Resp: 102516

Ion	Ratio	Lower	Upper
152	100		
150	154.2	129.0	193.4
115	59.1	52.1	78.1



Instrument :
BNA_F
ClientSampleId :
KW-3DL

Manual Integrations APPROVED
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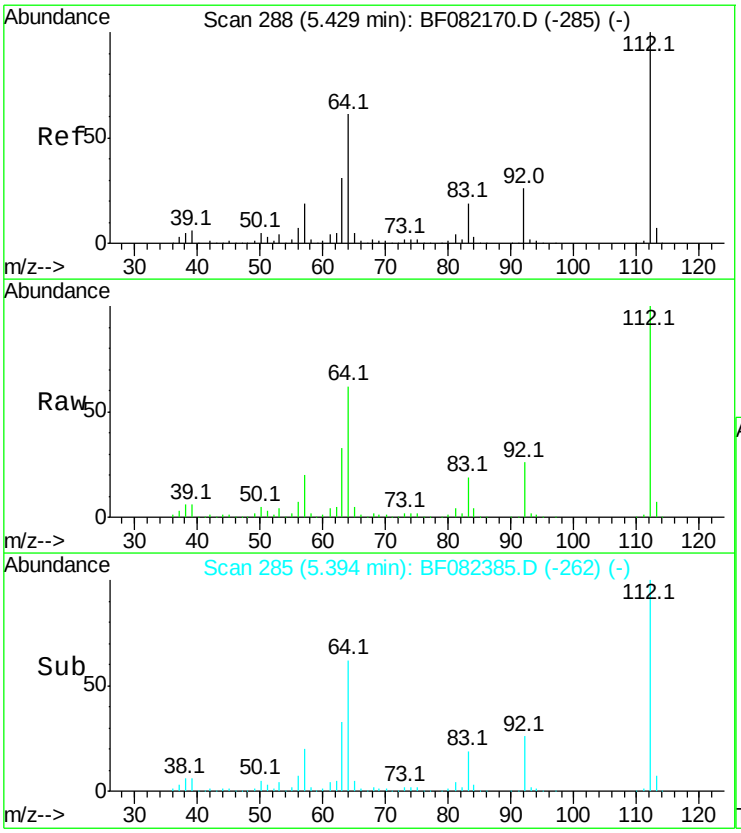
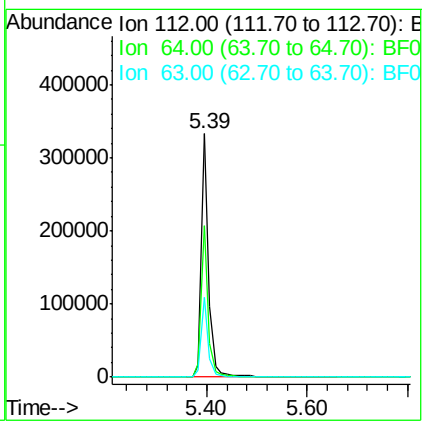
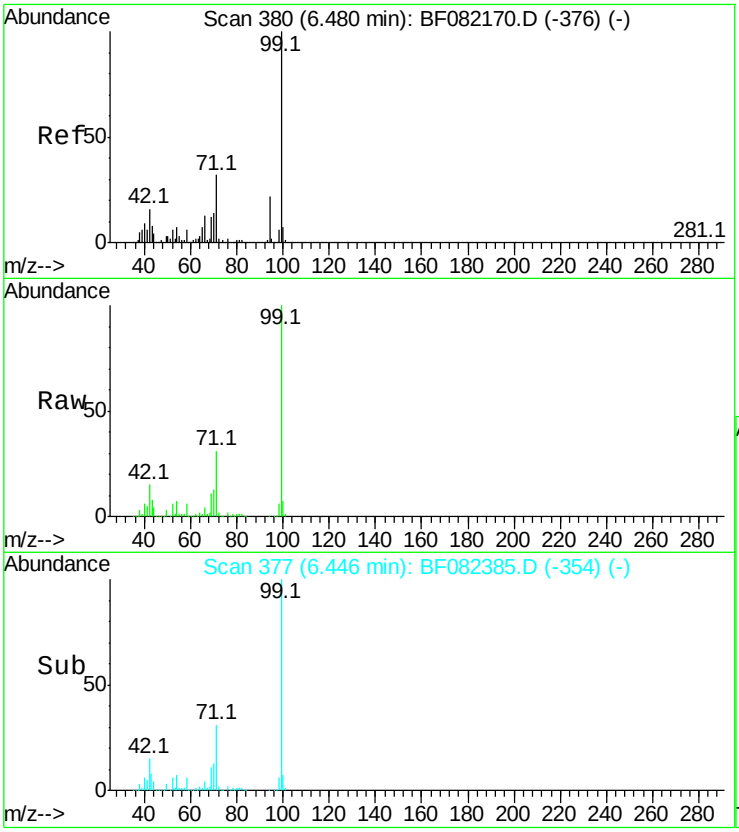


#5
2-Fluorophenol
Concen: 66.05 ng
RT: 5.39 min Scan# 285
Delta R.T. -0.03 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

Tgt Ion:112 Resp: 335495

Ion	Ratio	Lower	Upper
112	100		
64	62.5	48.6	73.0
63	32.9	25.1	37.7

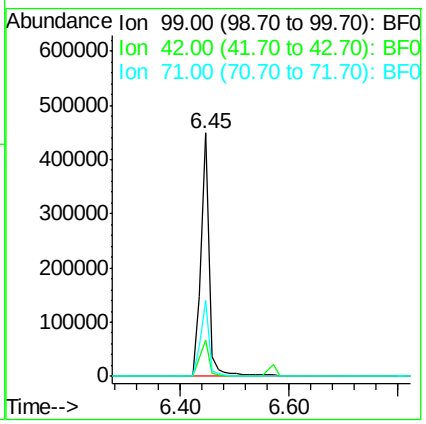




#7
Phenol-d6
Concen: 71.58 ng
RT: 6.45 min Scan# 377
Delta R.T. -0.03 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

Tgt Ion: 99 Resp: 473187

Ion	Ratio	Lower	Upper
99	100		
42	15.0	13.2	19.8
71	31.0	25.6	38.4



Instrument :
BNA_F
ClientSampleId :
KW-3DL

Manual Integrations APPROVED
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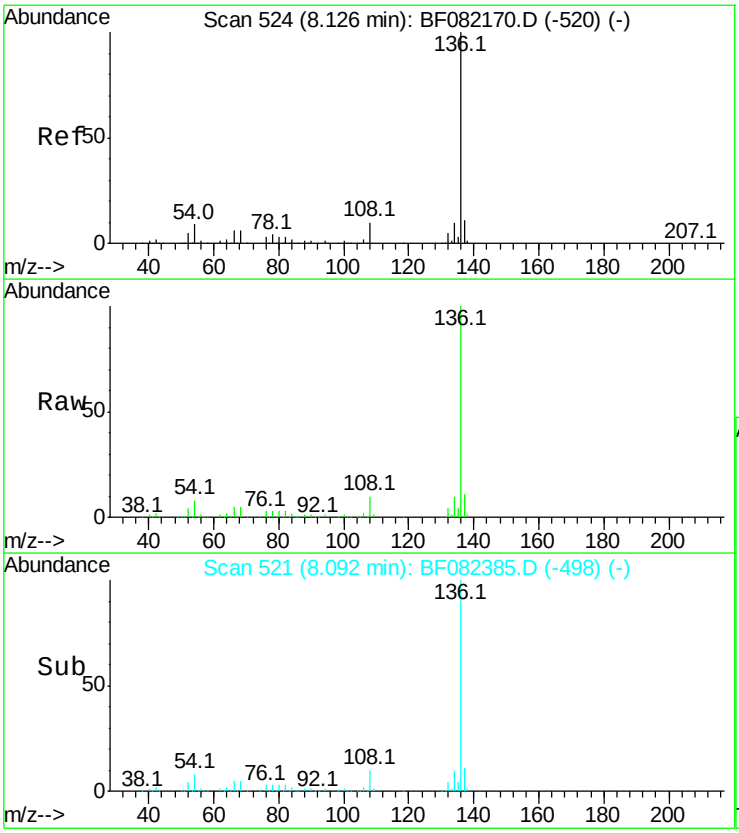
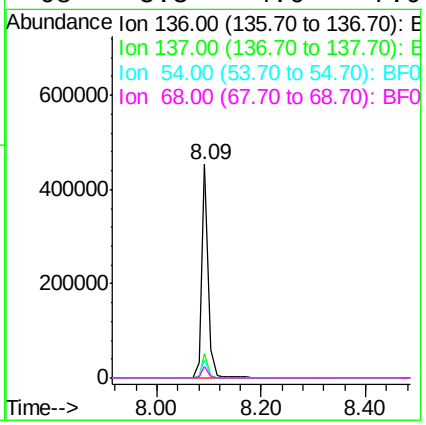
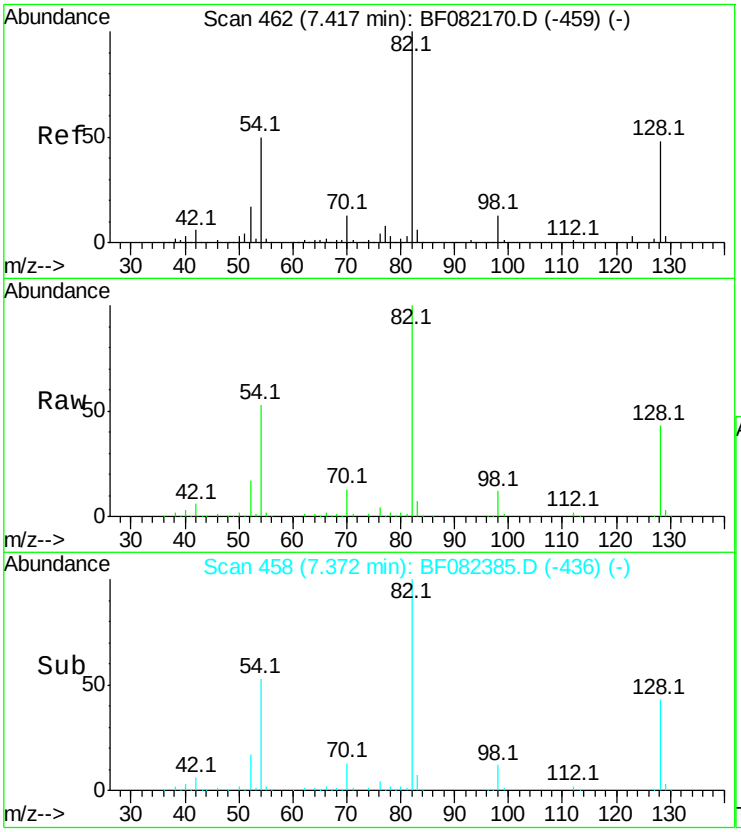


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 521
Delta R.T. -0.03 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

Tgt Ion:136 Resp: 394864

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	8.2	7.5	11.3
68	5.3	4.6	7.0

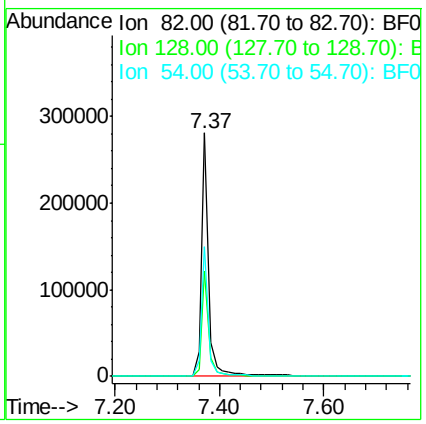




#23
Nitrobenzene-d5
Concen: 46.25 ng
RT: 7.37 min Scan# 458
Delta R.T. -0.05 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

Tgt Ion: 82 Resp: 271925

Ion	Ratio	Lower	Upper
82	100		
128	43.2	38.7	58.1
54	53.3	40.1	60.1



Instrument :
BNA_F
ClientSampleId :
KW-3DL

Manual Integrations APPROVED
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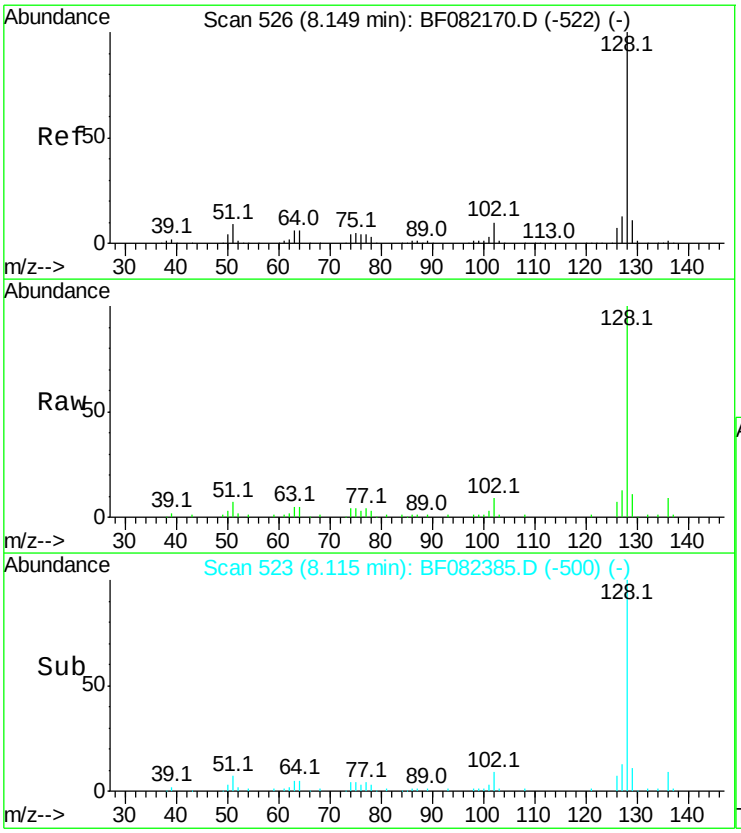
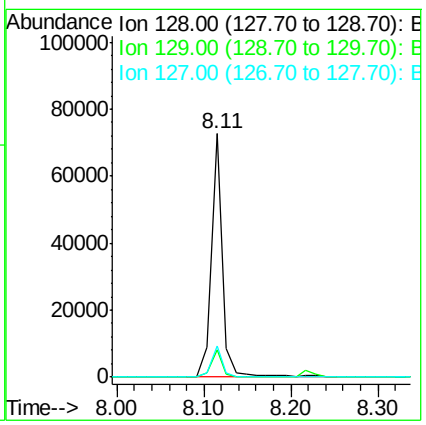
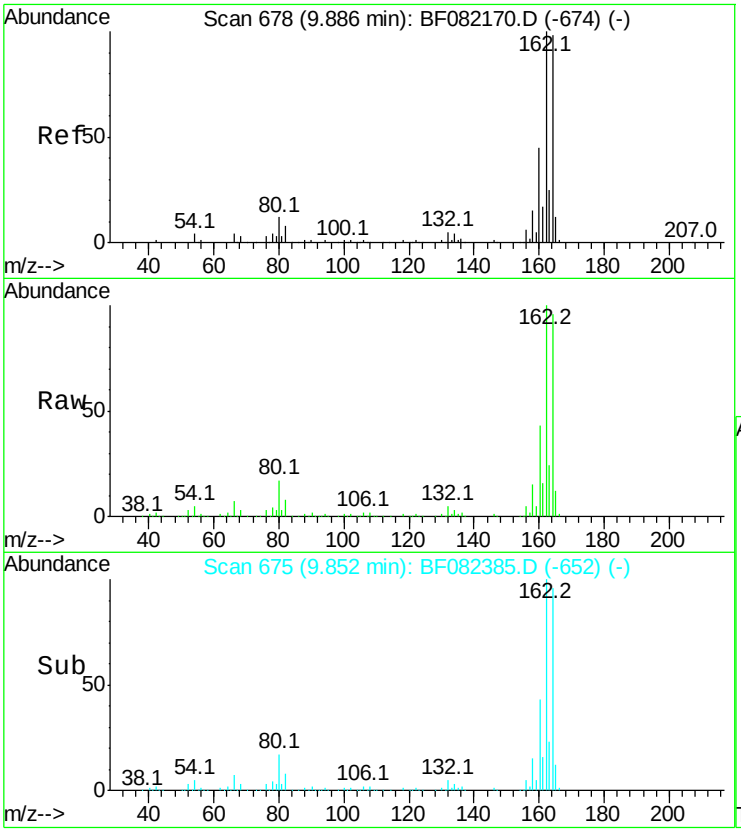


#31
Naphthalene
Concen: 3.84 ng
RT: 8.11 min Scan# 523
Delta R.T. -0.03 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

Tgt Ion:128 Resp: 65800

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.1	13.7
127	12.6	10.7	16.1

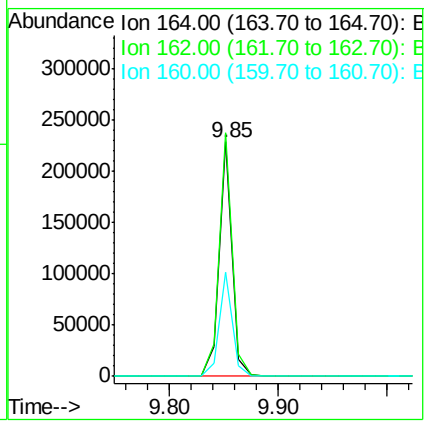




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 675
Delta R.T. -0.03 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

Tgt Ion:164 Resp: 191113

Ion	Ratio	Lower	Upper
164	100		
162	103.9	81.6	122.4
160	44.7	36.4	54.6



Instrument :
BNA_F
ClientSampleId :
KW-3DL

Manual Integrations APPROVED
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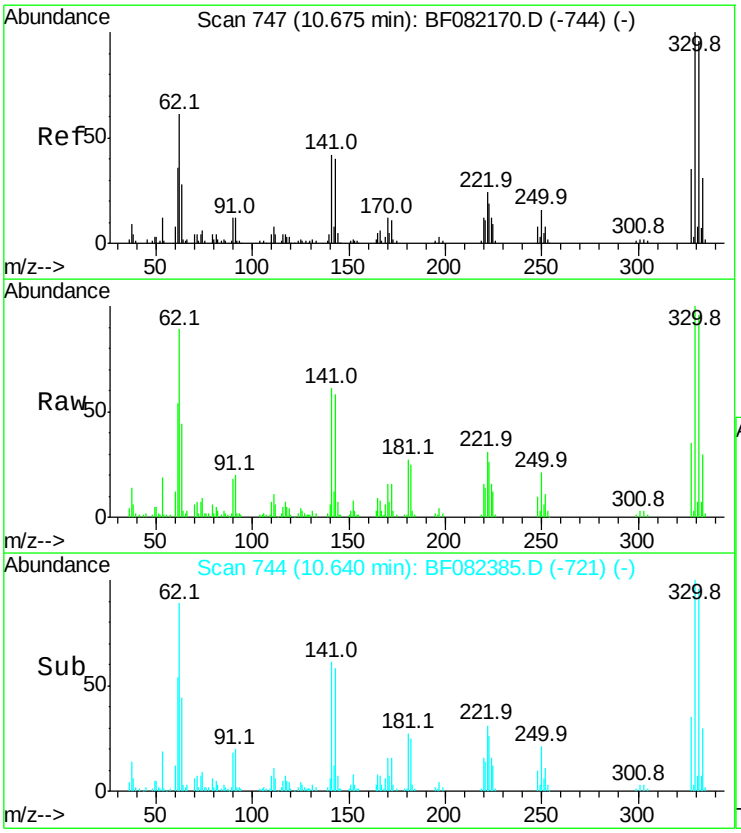
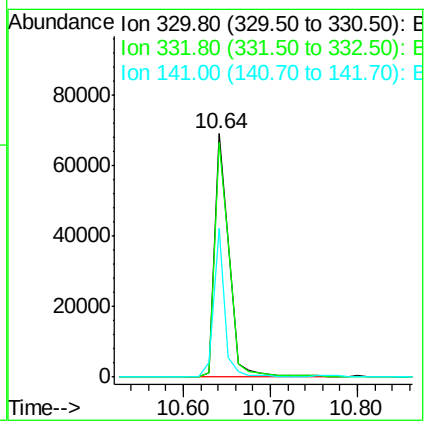
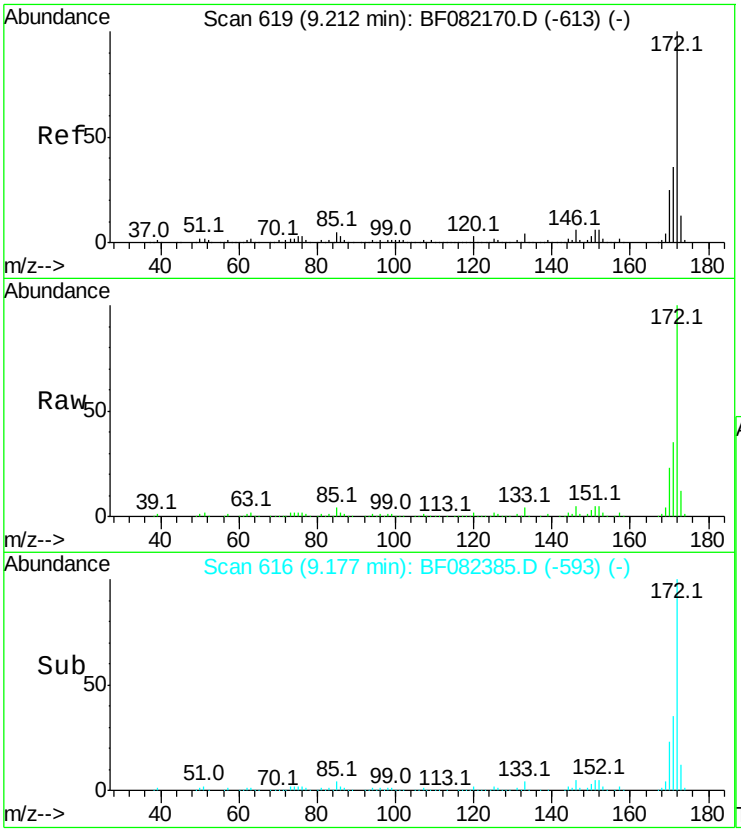


#41
2,4,6-Tribromophenol
Concen: 45.47 ng
RT: 10.64 min Scan# 744
Delta R.T. -0.03 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

Tgt Ion:330 Resp: 81499

Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.1	115.7
141	46.2	29.8	44.8#

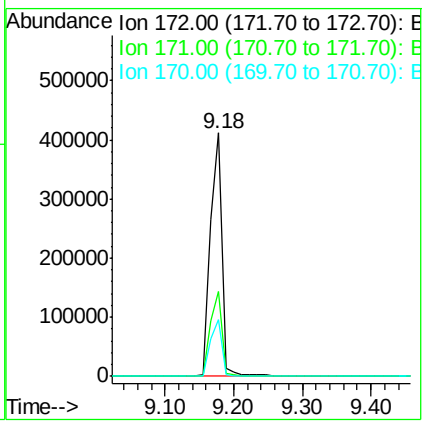




#44
2-Fluorobiphenyl
Concen: 42.81 ng
RT: 9.18 min Scan# 616
Delta R.T. -0.03 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

Tgt Ion:172 Resp: 493321

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	42.8
170	23.4	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
KW-3DL

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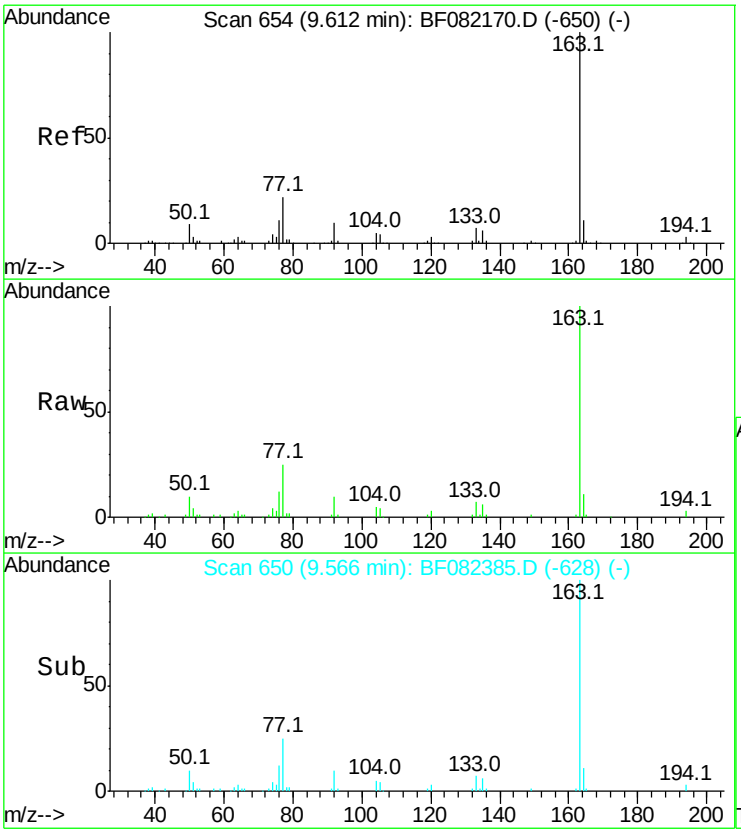
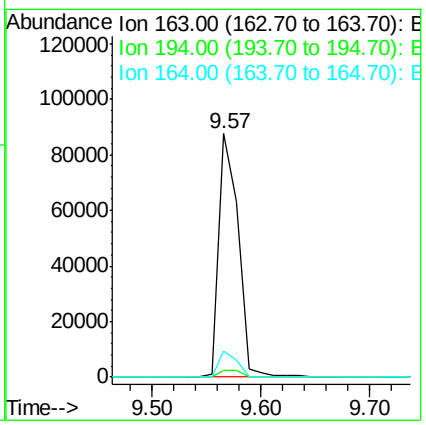
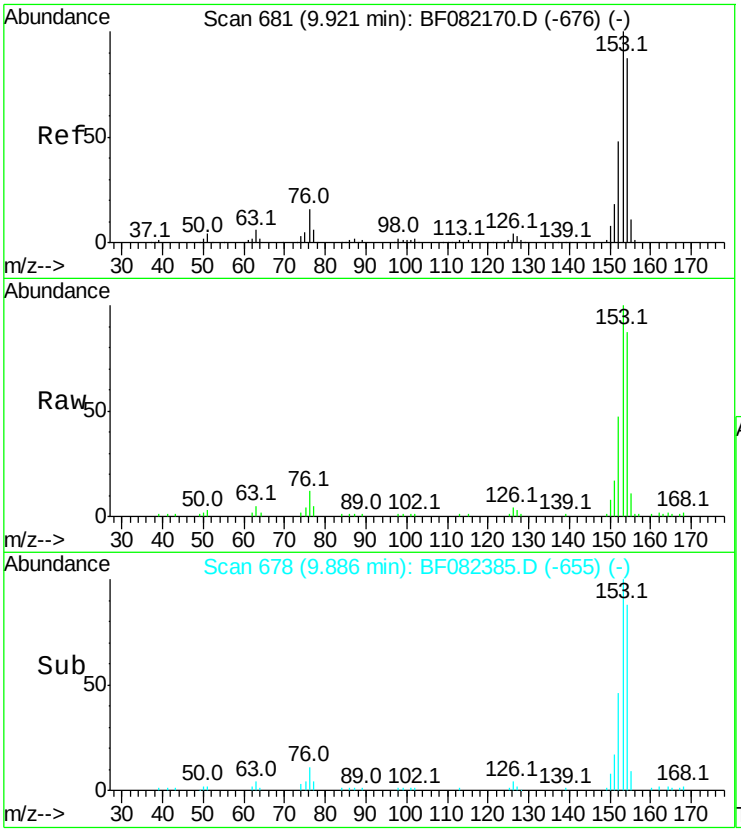


#49
Dimethylphthalate
Concen: 8.08 ng
RT: 9.57 min Scan# 650
Delta R.T. -0.05 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

Tgt Ion:163 Resp: 108796

Ion	Ratio	Lower	Upper
163	100		
194	2.8	2.6	4.0
164	10.9	8.5	12.7

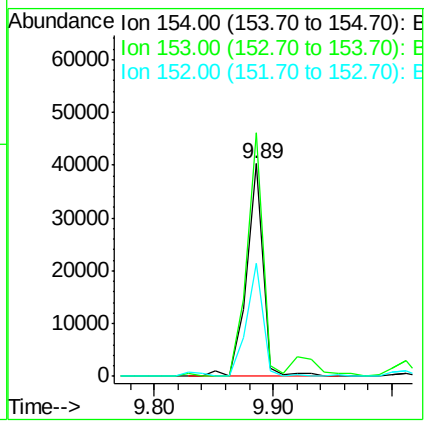




#51
Acenaphthene
Concen: 3.65 ng
RT: 9.89 min Scan# 678
Delta R.T. -0.03 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

Tgt Ion:154 Resp: 39180

Ion	Ratio	Lower	Upper
154	100		
153	114.7	91.4	137.2
152	53.3	44.3	66.5



Instrument :
BNA_F
ClientSampleId :
KW-3DL

Manual Integrations APPROVED
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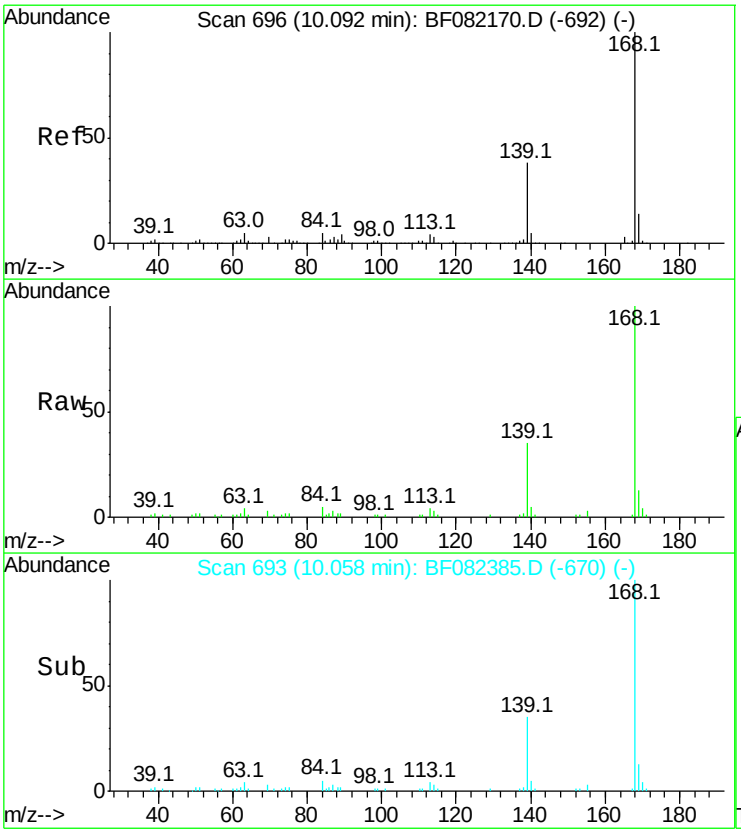
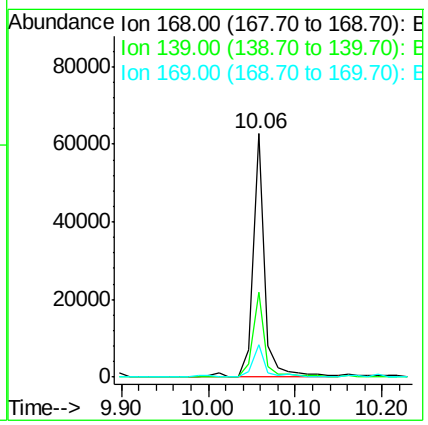
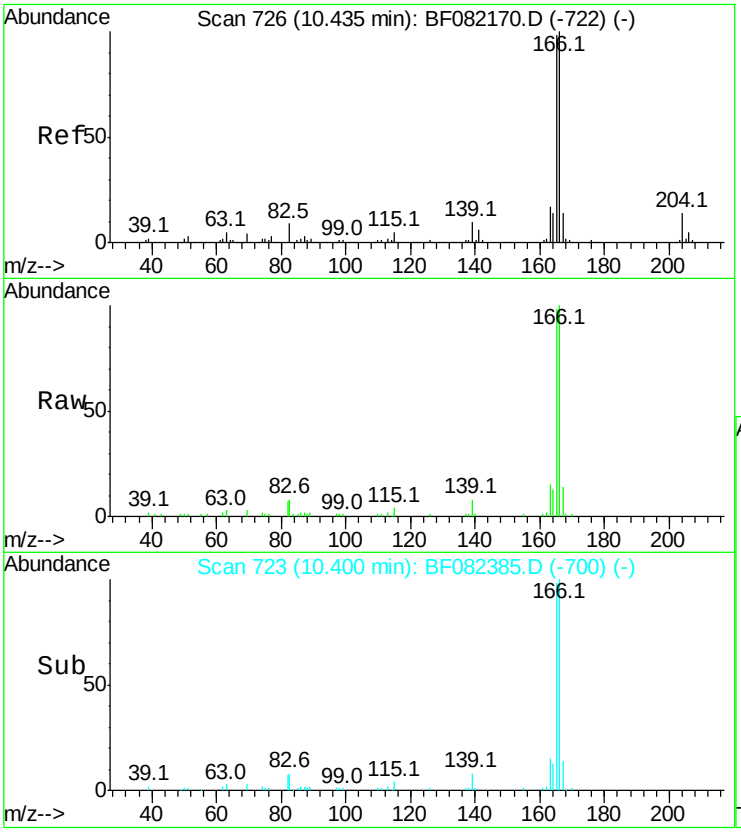


#54
Dibenzofuran
Concen: 4.04 ng
RT: 10.06 min Scan# 693
Delta R.T. -0.03 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

Tgt Ion:168 Resp: 59557

Ion	Ratio	Lower	Upper
168	100		
139	34.7	31.0	46.6
169	13.3	10.9	16.3

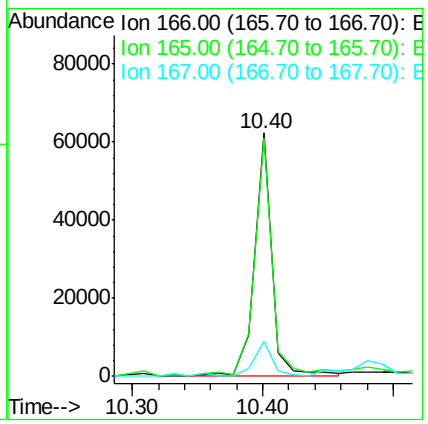




#57
Fluorene
Concen: 4.82 ng
RT: 10.40 min Scan# 723
Delta R.T. -0.03 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

Tgt Ion:166 Resp: 58353

Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.3	117.5
167	14.2	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
KW-3DL

Manual Integrations APPROVED
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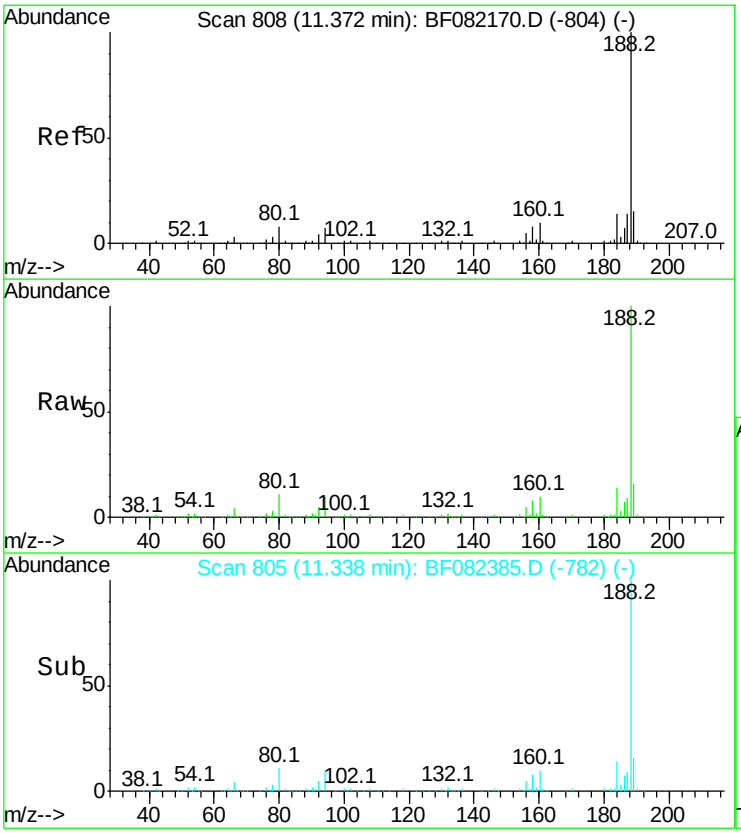
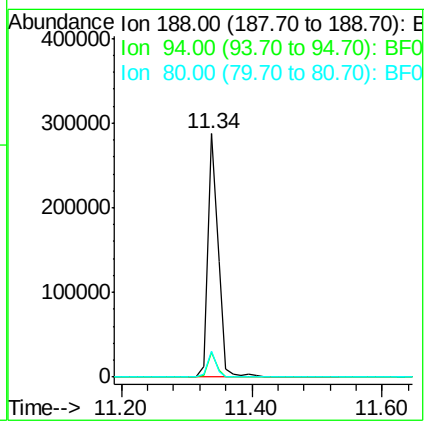
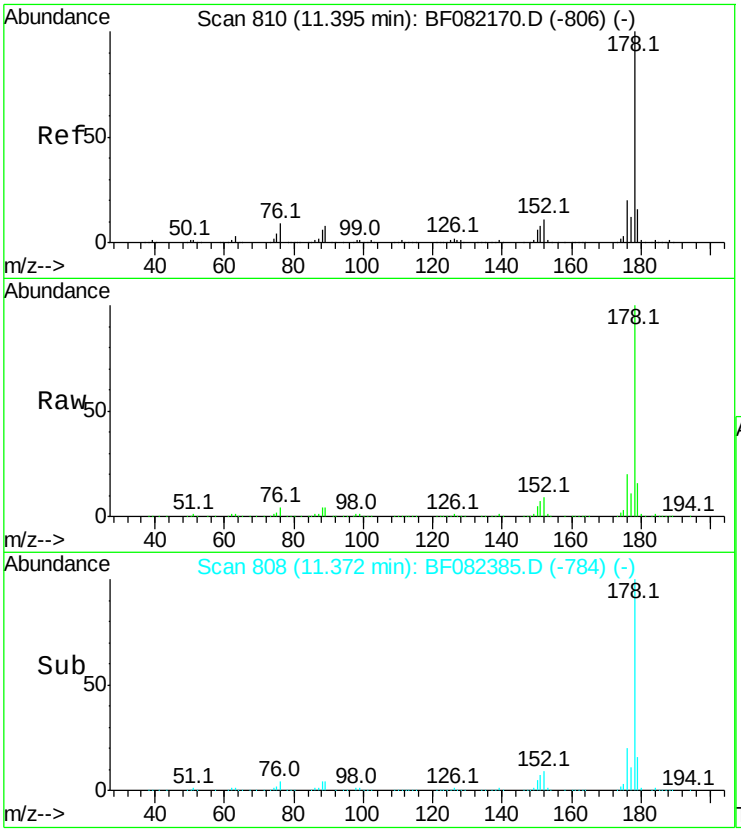


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 805
Delta R.T. -0.03 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

Tgt Ion:188 Resp: 316080

Ion	Ratio	Lower	Upper
188	100		
94	10.1	5.8	8.6#
80	10.8	6.4	9.6#

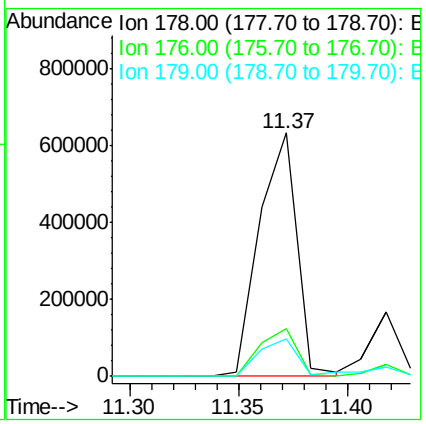




#70
Phenanthrene
Concen: 49.66 ng
RT: 11.37 min Scan# 808
Delta R.T. -0.02 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

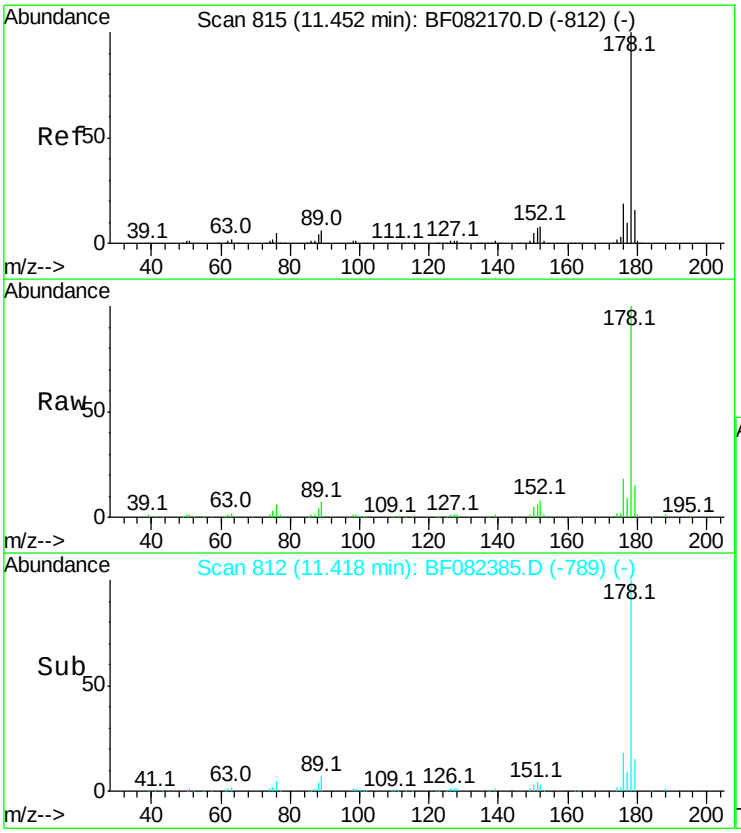
Tgt Ion:178 Resp: 769369

Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.0	24.0
179	15.6	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
KW-3DL

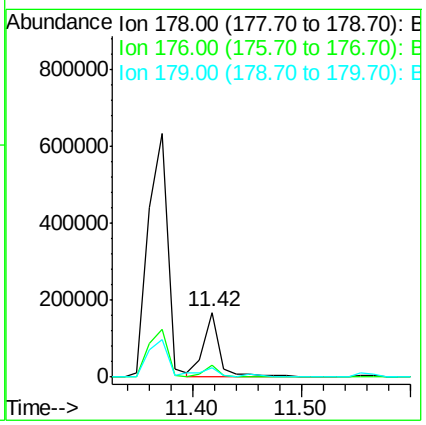
Manual Integrations APPROVED
MMdadoda
10/20/2015 6:26:06 PM

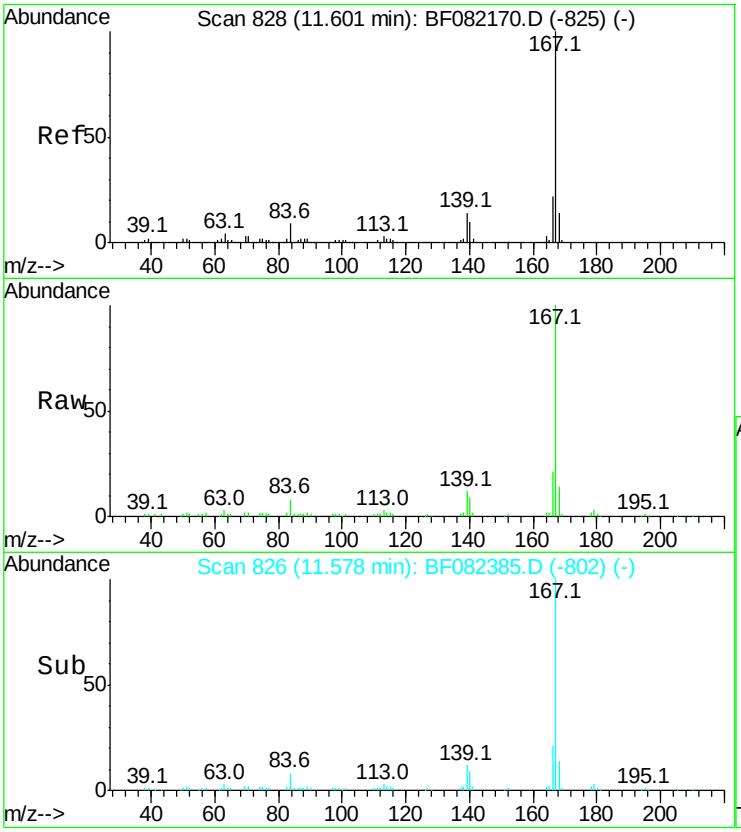


#71
Anthracene
Concen: 10.92 ng
RT: 11.42 min Scan# 812
Delta R.T. -0.03 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

Tgt Ion:178 Resp: 174383

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.0
179	15.2	12.5	18.7

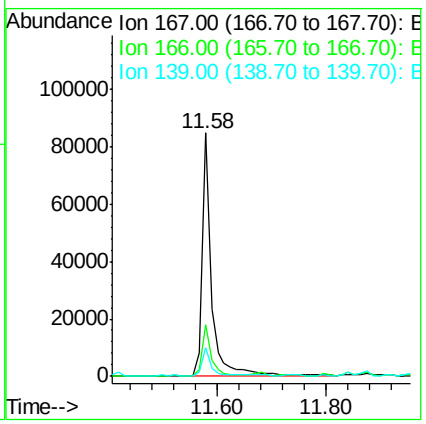




#72
Carbazole
Concen: 7.01 ng
RT: 11.58 min Scan# 826
Delta R.T. -0.02 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

Tgt Ion:167 Resp: 102098

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.3	25.9
139	11.9	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
KW-3DL

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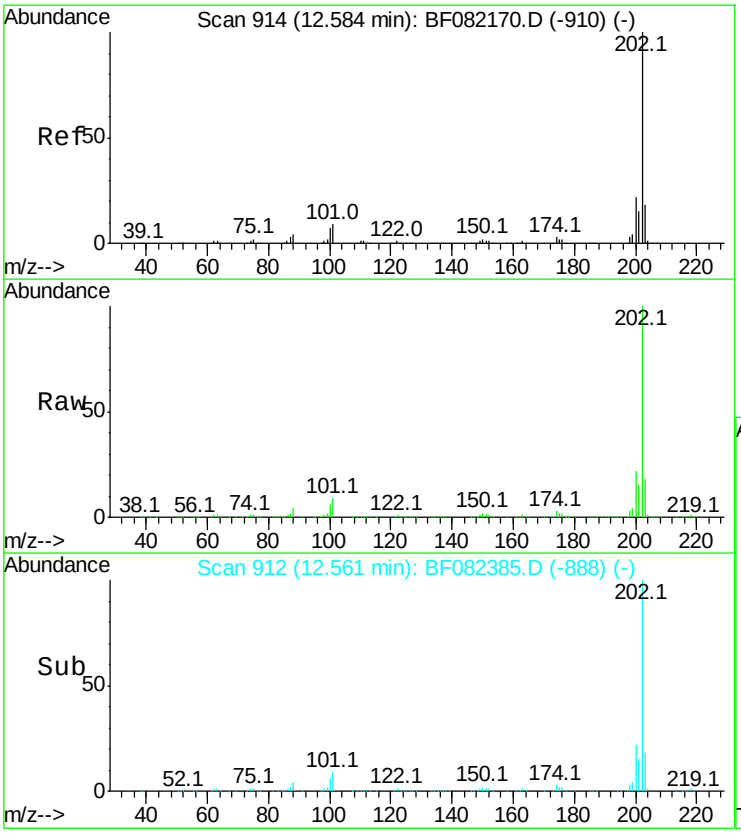
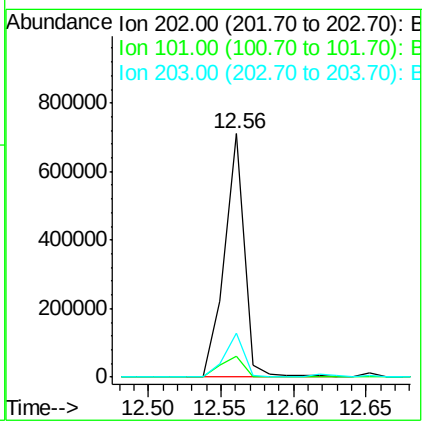
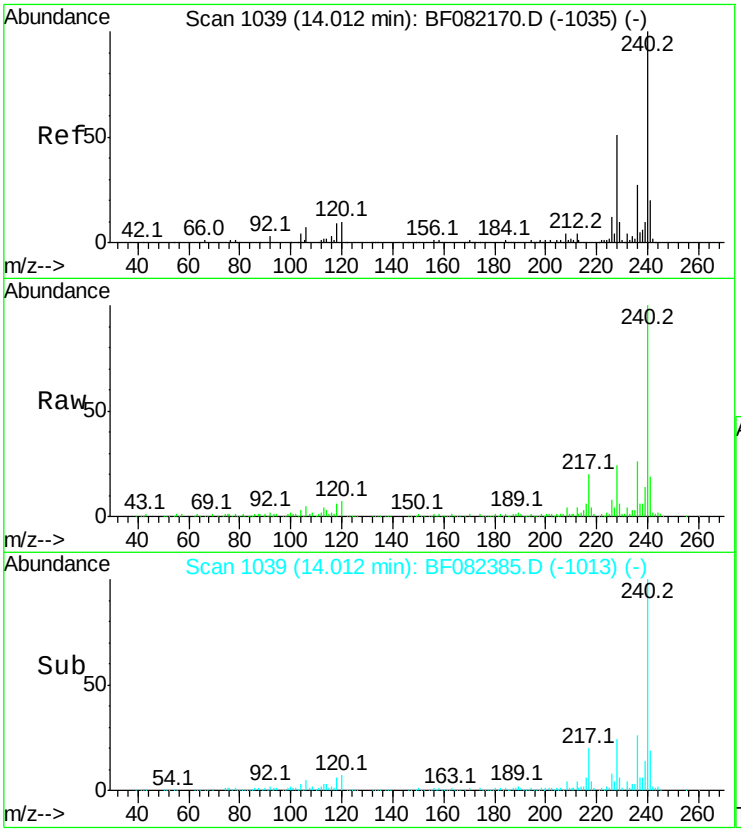


#74
Fluoranthene
Concen: 40.76 ng
RT: 12.56 min Scan# 912
Delta R.T. -0.02 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

Tgt Ion:202 Resp: 678225

Ion	Ratio	Lower	Upper
202	100		
101	8.6	0.0	29.3
203	17.8	0.0	37.8

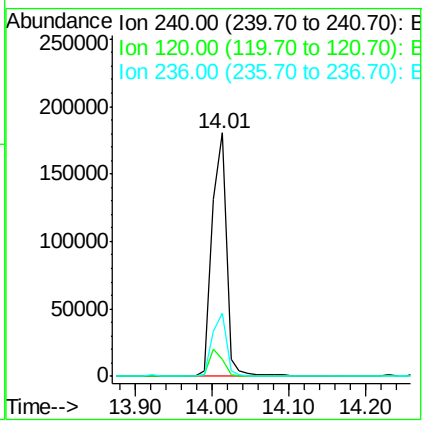




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

Tgt Ion:240 Resp: 235137

Ion	Ratio	Lower	Upper
240	100		
120	6.9	8.1	12.1#
236	25.7	21.3	31.9



Instrument :
BNA_F
ClientSampleId :
KW-3DL

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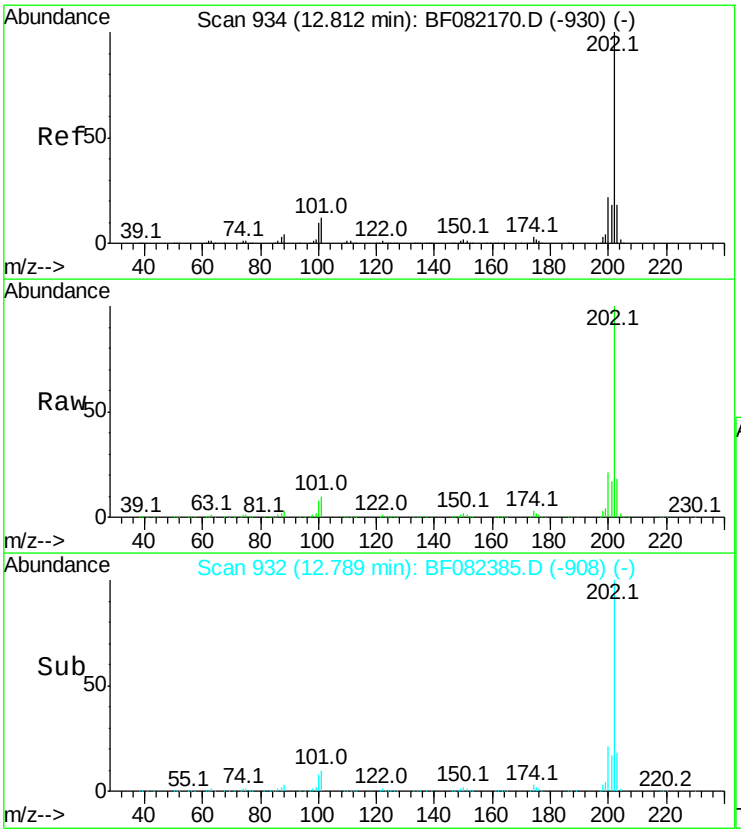
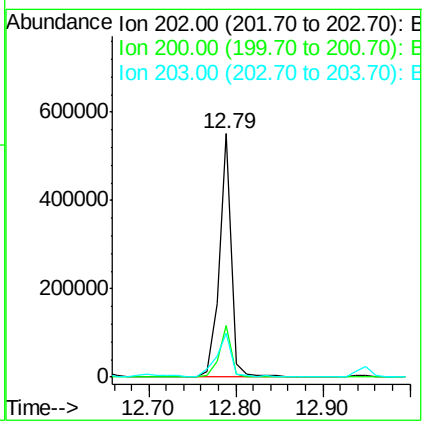
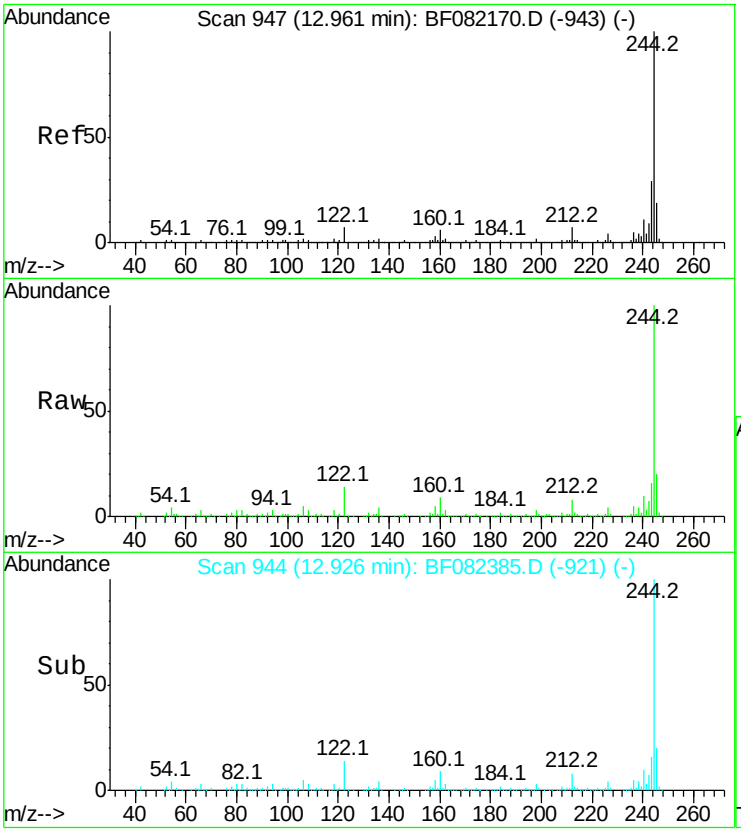


#77
Pyrene
Concen: 37.77 ng
RT: 12.79 min Scan# 932
Delta R.T. -0.02 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

Tgt Ion:202 Resp: 527074

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.9	26.9
203	18.1	14.5	21.7

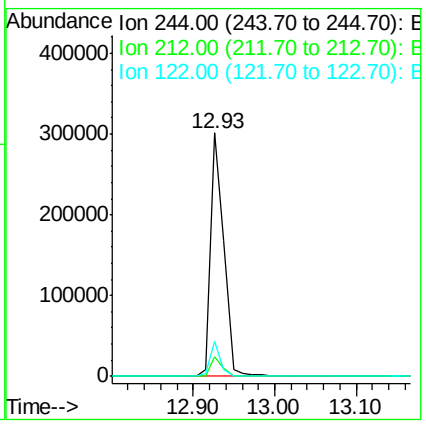




#78
Terphenyl-d14
Concen: 38.70 ng
RT: 12.93 min Scan# 944
Delta R.T. -0.03 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

Tgt Ion:244 Resp: 343425

Ion	Ratio	Lower	Upper
244	100		
212	8.1	5.8	8.6
122	14.3	5.9	8.9#



Instrument :
BNA_F
ClientSampleId :
KW-3DL

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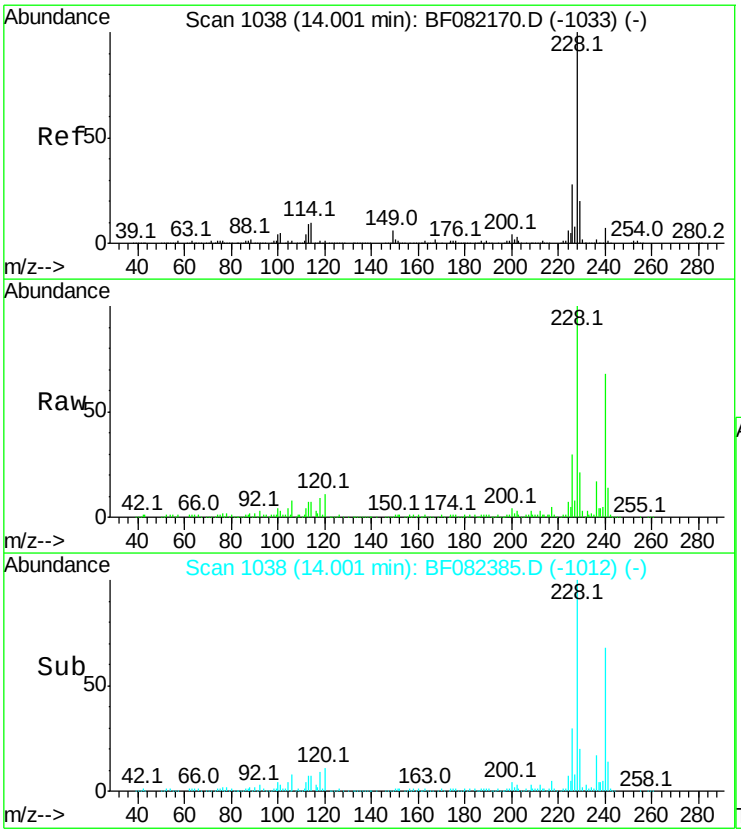
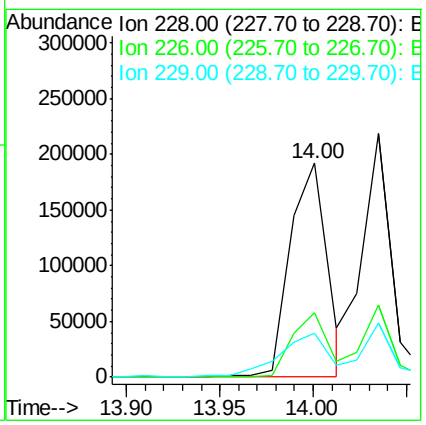
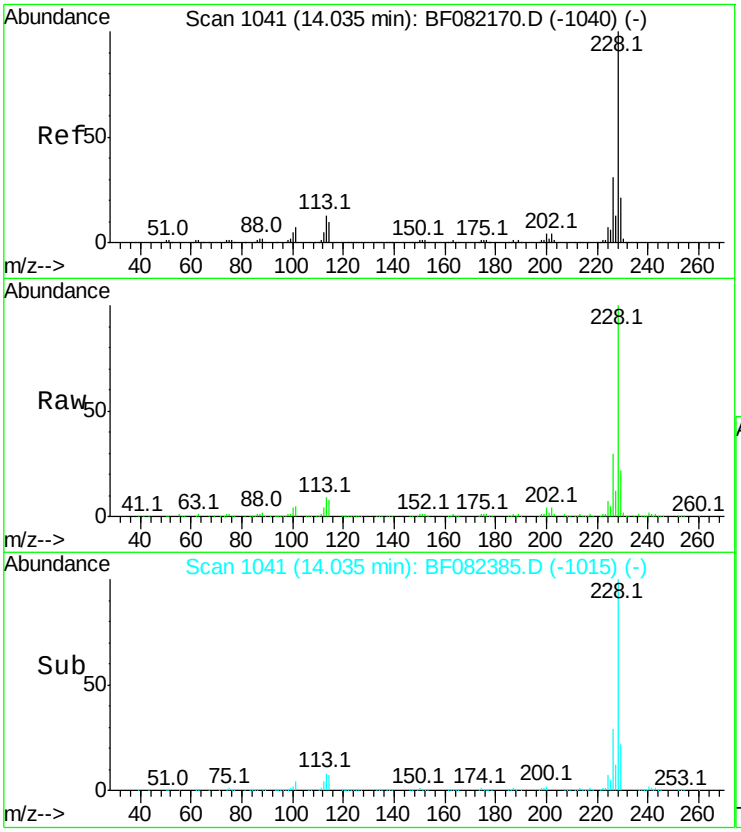


#80
Benzo(a)anthracene
Concen: 21.80 ng
RT: 14.00 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

Tgt Ion:228 Resp: 266672

Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.3	33.5
229	20.5	16.2	24.2

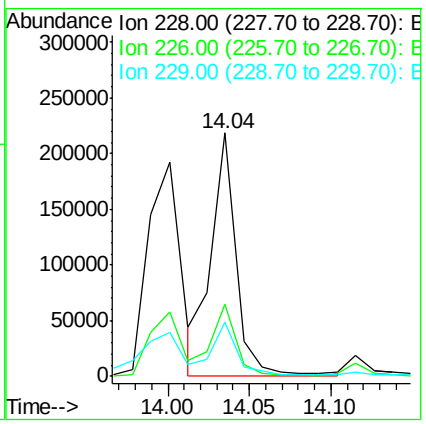




#82
Chrysene
Concen: 18.41 ng m
RT: 14.04 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

Tgt Ion:228 Resp: 237264

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.4	36.6
229	22.0	16.3	24.5



Instrument :
BNA_F
ClientSampleId :
KW-3DL

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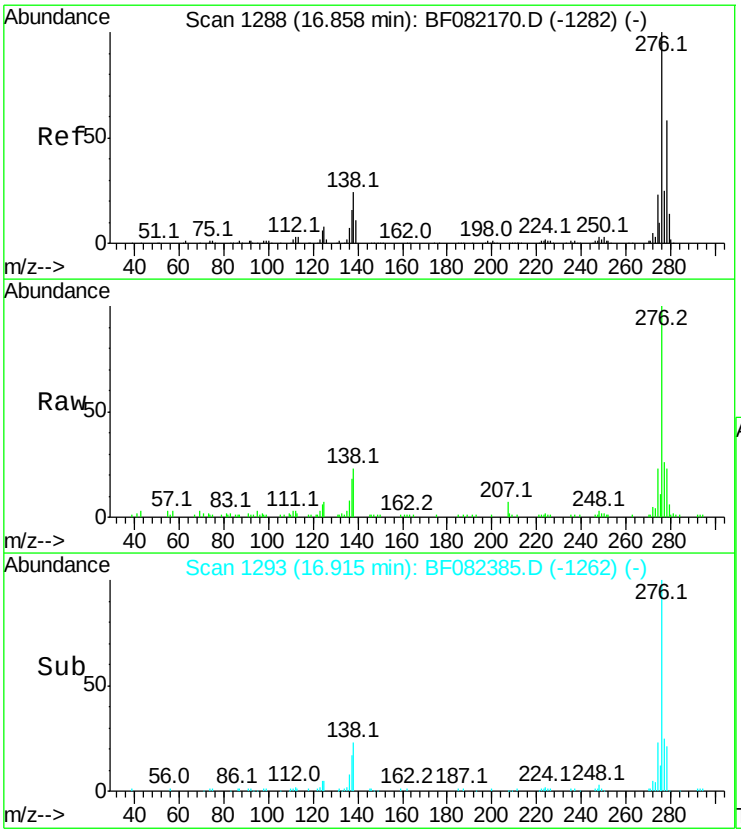
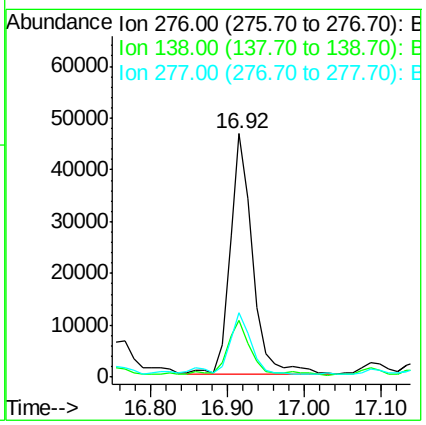
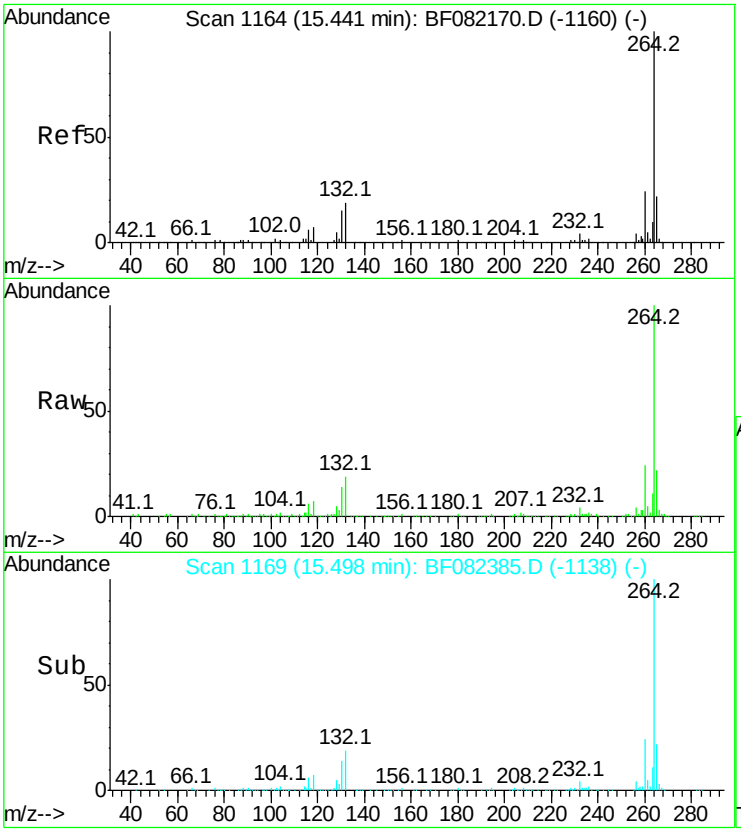


#85
Indeno(1,2,3-cd)pyrene
Concen: 9.24 ng
RT: 16.92 min Scan# 1293
Delta R.T. 0.06 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

Tgt Ion:276 Resp: 94664

Ion	Ratio	Lower	Upper
276	100		
138	23.6	19.7	29.5
277	23.2	20.1	30.1

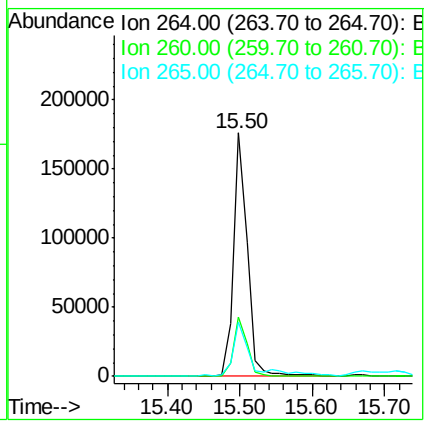




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 1169
Delta R.T. 0.06 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

Tgt Ion:264 Resp: 232874

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.0	28.6
265	22.3	17.3	25.9



Instrument :
BNA_F
ClientSampleId :
KW-3DL

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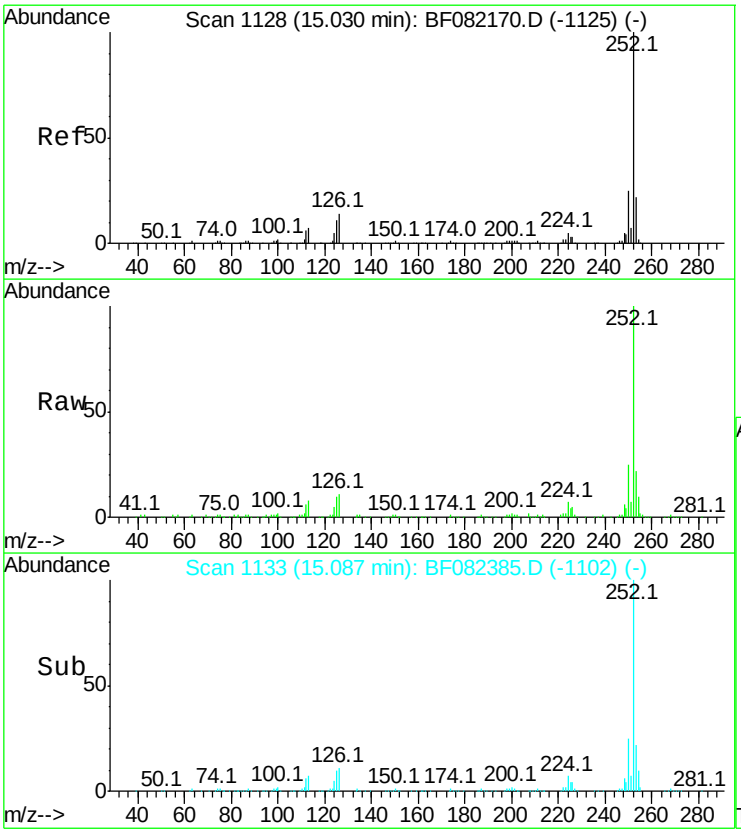
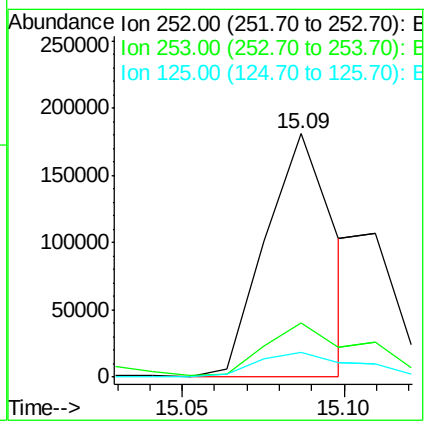
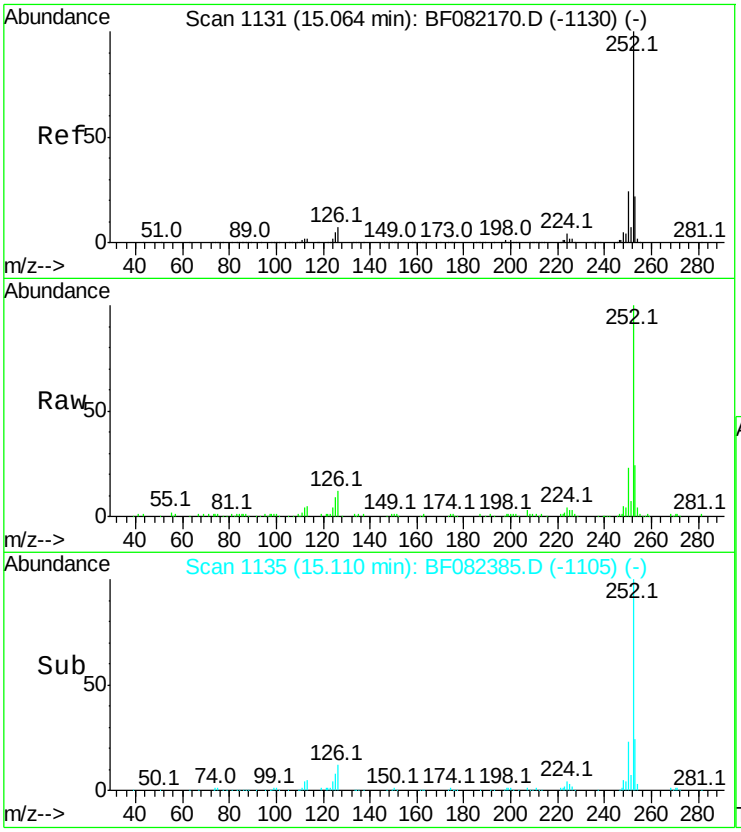


#87
Benzo(b)fluoranthene
Concen: 18.95 ng m
RT: 15.09 min Scan# 1133
Delta R.T. 0.06 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

Tgt Ion:252 Resp: 268550

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	10.3	8.6	12.8

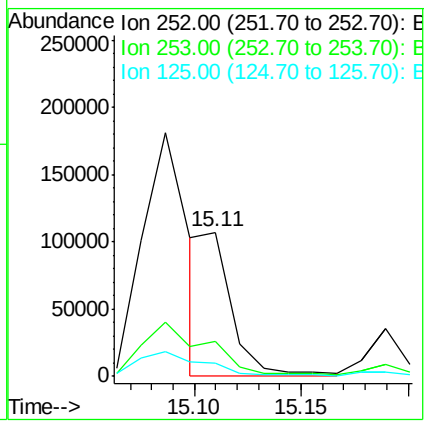




#88
Benzo(k)fluoranthene
Concen: 8.40 ng m
RT: 15.11 min Scan# 1135
Delta R.T. 0.05 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

Tgt Ion:252 Resp: 100016

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.6
125	8.8	6.7	10.1



Instrument :
BNA_F
ClientSampleId :
KW-3DL

Manual Integrations APPROVED
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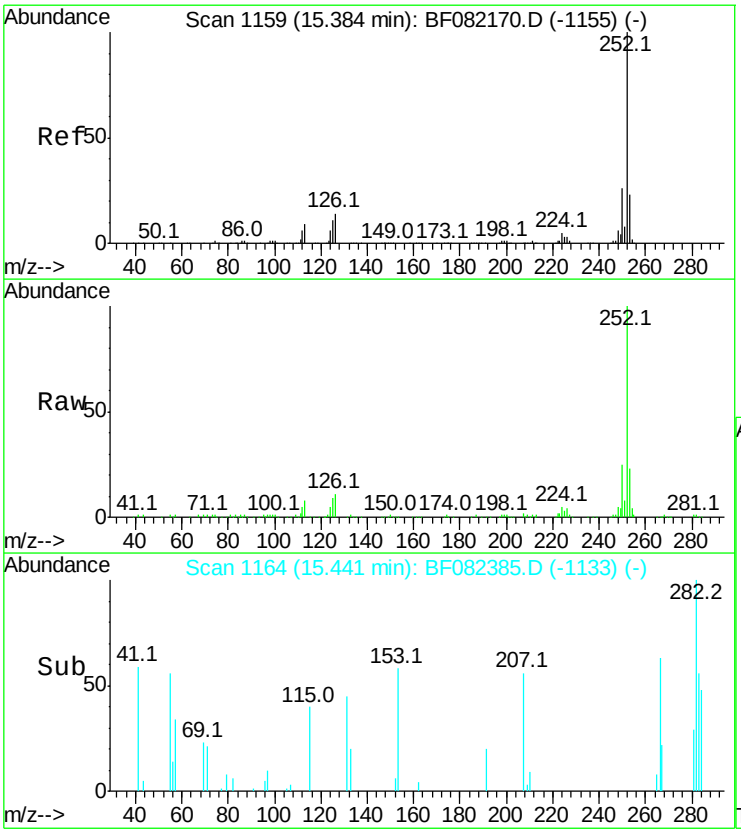
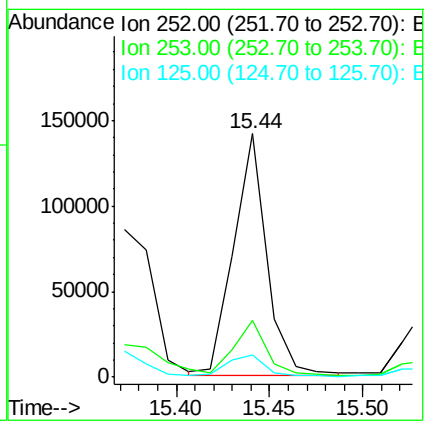
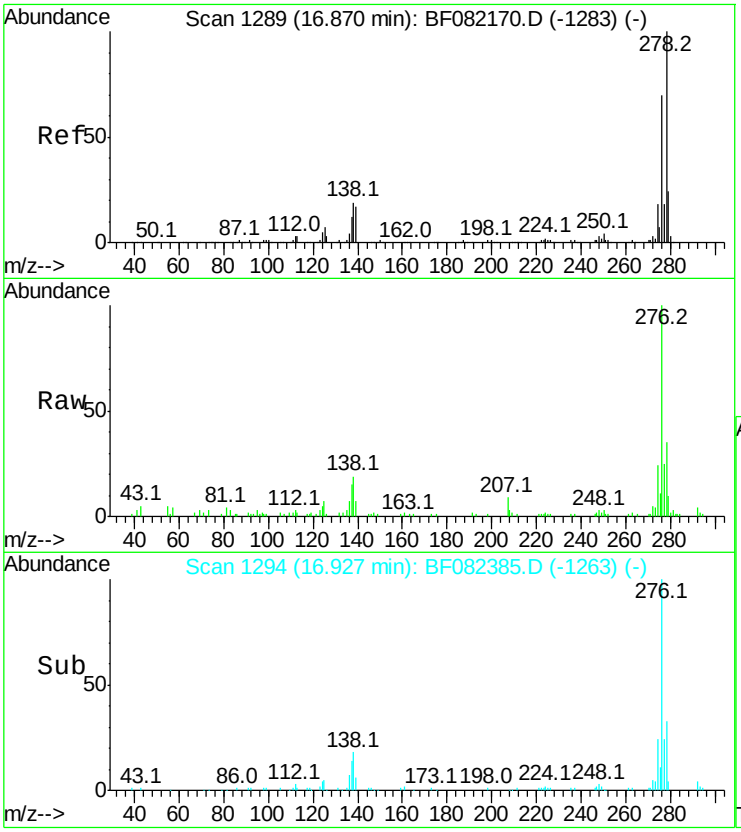


#89
Benzo(a)pyrene
Concen: 14.55 ng
RT: 15.44 min Scan# 1164
Delta R.T. 0.06 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

Tgt Ion:252 Resp: 177123

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	9.2	8.9	13.3

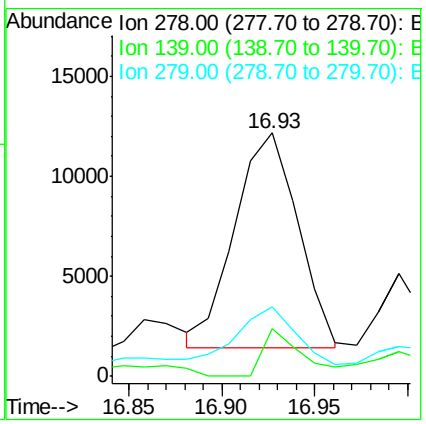




#90
Dibenzo(a,h)anthracene
Concen: 2.54 ng m
RT: 16.93 min Scan# 1294
Delta R.T. 0.06 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

Tgt Ion:278 Resp: 25390

Ion	Ratio	Lower	Upper
278	100		
139	19.7	13.3	19.9
279	28.7	18.9	28.3#



Instrument :
BNA_F
ClientSampleId :
KW-3DL

Manual Integrations APPROVED
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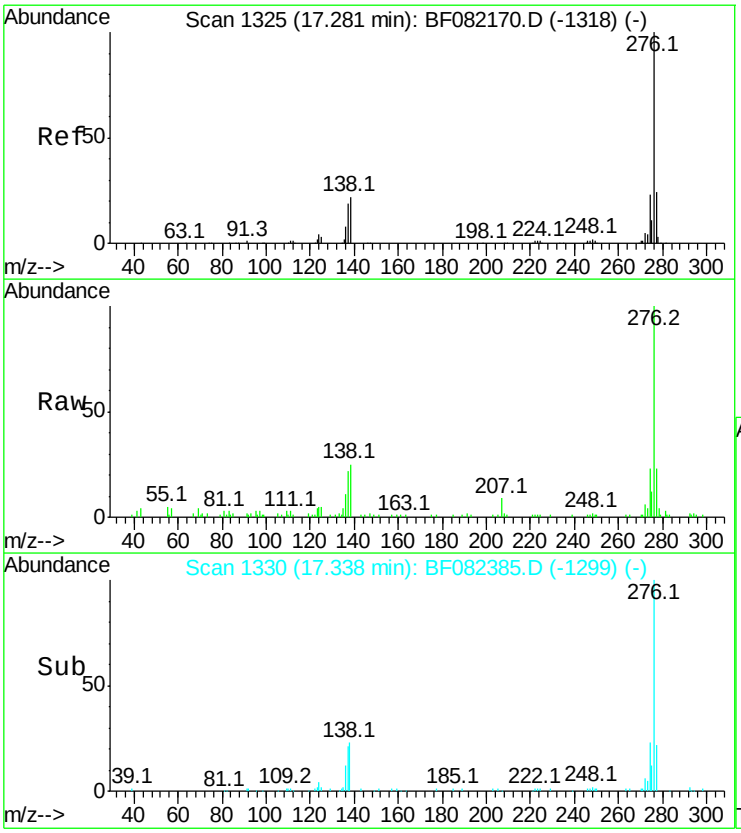

#91
Benzo(g,h,i)perylene
Concen: 8.51 ng
RT: 17.34 min Scan# 1330
Delta R.T. 0.06 min
Lab File: BF082385.D
Acq: 20 Oct 2015 6:28

Tgt Ion:276 Resp: 82447

Ion	Ratio	Lower	Upper
276	100		
277	22.6	18.8	28.2
138	24.8	17.4	26.2