Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080315\
Data File : BE090329.D
Acq On : 4 Aug 2015 3:14
Operator : TP/UM
Sample : G3133-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SUMP-3

Manual Integrations
APPROVED
MMDadoda
8/4/2015 3:27:20 PM

Quant Time: Aug 04 07:47:03 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 04 02:31:31 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	10852	5.00	ng	0.00
6) Naphthalene-d8	10.35	136	45697	5.00	ng	0.00
12) Acenaphthene-d10	14.21	164	27384	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	68660	5.00	ng	0.00
25) Chrysene-d12	21.11	240	70556	5.00	ng	0.00
32) Perylene-d12	23.42	264	62021	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	6211	2.99	ng	0.00
5) Phenol-d6	6.78	99	5837	2.29	ng	0.00
7) Nitrobenzene-d5	8.73	82	7575	2.81	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	4588	8.09	ng	-0.02
14) 2-Fluorobiphenyl	12.83	172	22483	2.83	ng	0.00
27) Terphenyl-d14	19.56	244	49217	3.73	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units		Qvalue
26) Pyrene	19.35	202	2436	0.13	ng	#	93
28) Benzo(a)anthracene	21.09	228	830	0.06	ng	#	80
30) Bis(2-ethylhexyl)phthalate	21.03	149	7799	1.71	ng		97
31) Indeno(1,2,3-cd)pyrene	25.81	276	1446	0.31	ng	#	87
33) Benzo(b)fluoranthene	22.71	252	930	0.43	ng	#	73
34) Benzo(k)fluoranthene	22.76	252	1286m	0.08	ng		
35) Benzo(a)pyrene	23.31	252	989	0.39	ng	#	80
36) Dibenzo(a,h)anthracene	25.84	278	1080	0.37	ng		98
37) Benzo(g,h,i)perylene	26.55	276	1425	0.36	ng		96

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080315\
Data File : BE090329.D
Acq On : 4 Aug 2015 3:14
Operator : TP/UM
Sample : G3133-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 04 07:47:03 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 04 02:31:31 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SUMP-3

Manual Integrations APPROVED
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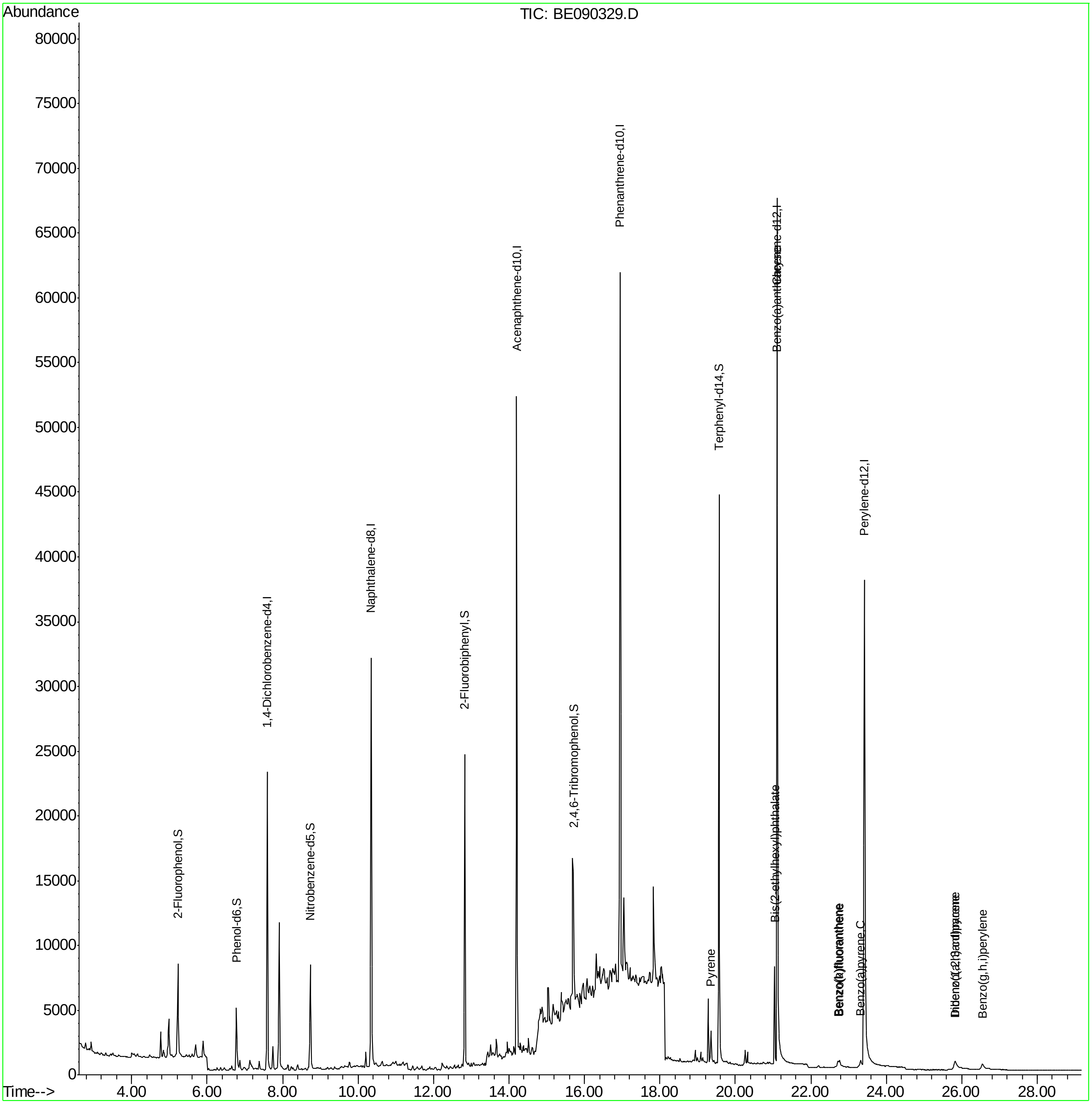

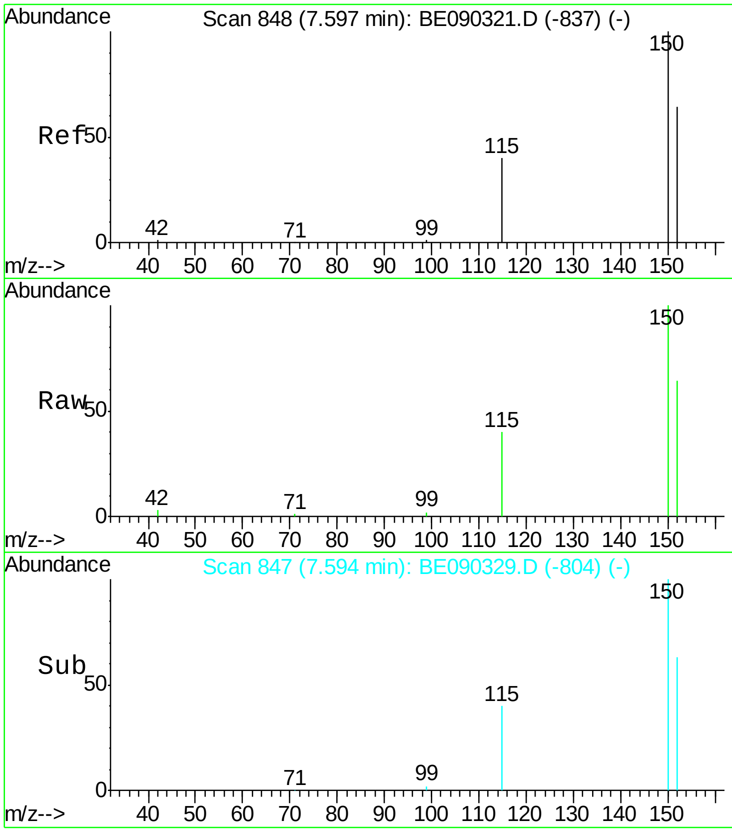

#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.59 min Scan# 847
Delta R.T. -0.00 min
Lab File: BE090329.D
Acq: 4 Aug 2015 3:14

Tgt Ion:152 Resp: 10852

Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.2	186.2
115	63.4	50.4	75.6

Instrument :
BNA_E
ClientSampleId :
SUMP-3

Manual Integrations APPROVED
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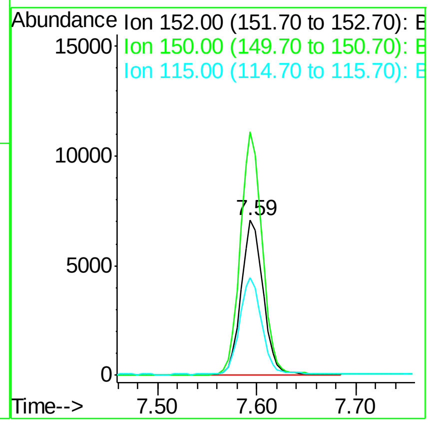
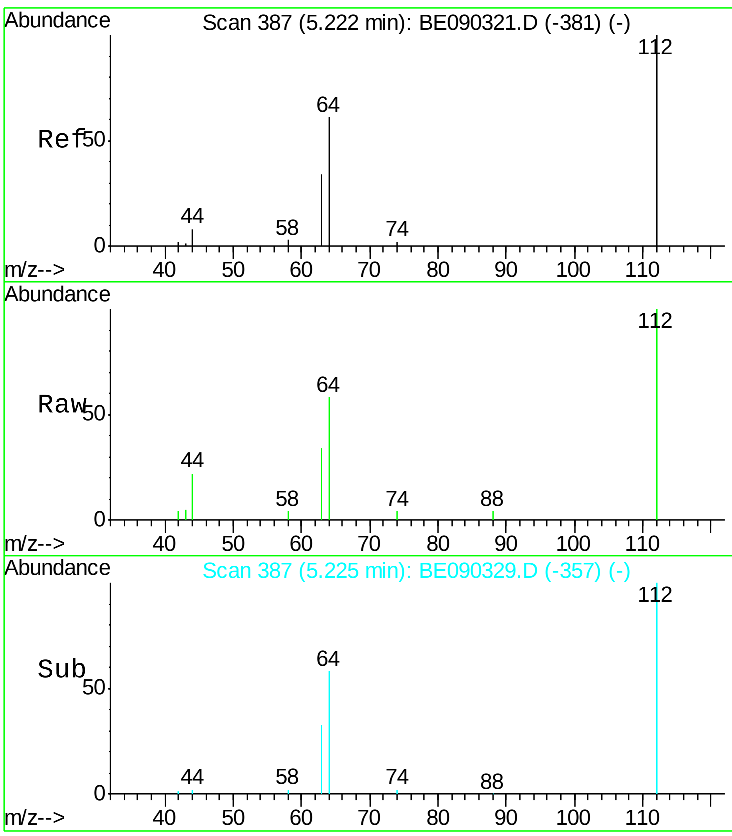
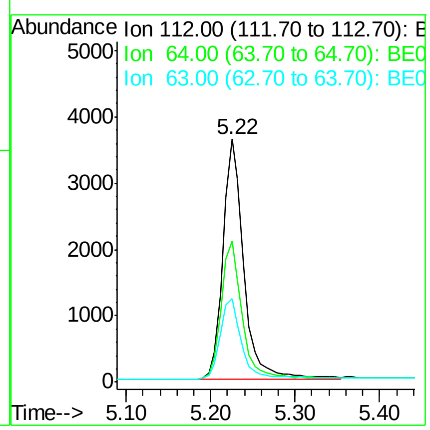


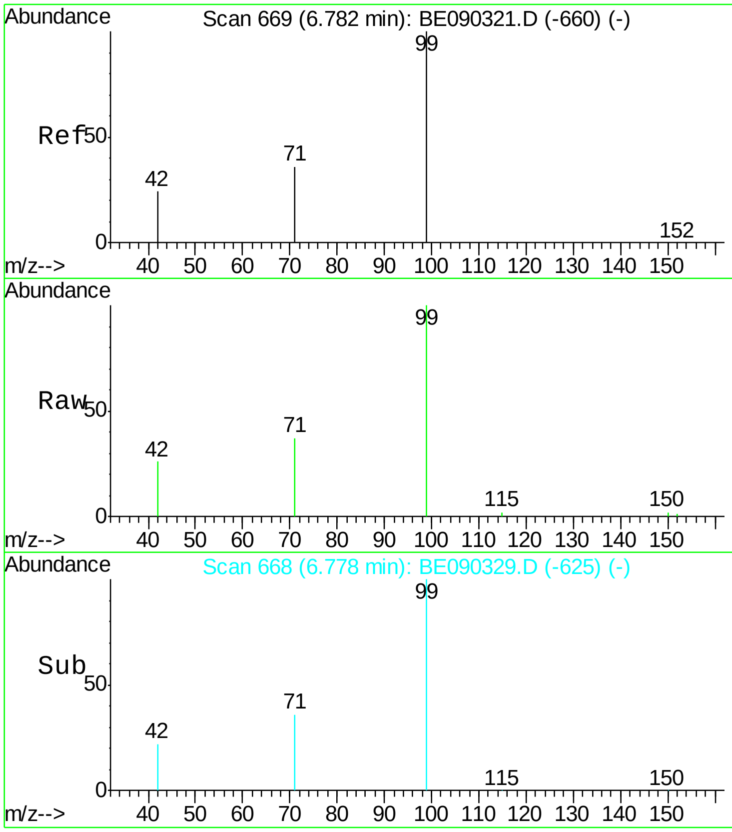


#4
2-Fluorophenol
Concen: 2.99 ng
RT: 5.22 min Scan# 387
Delta R.T. 0.00 min
Lab File: BE090329.D
Acq: 4 Aug 2015 3:14

Tgt Ion:112 Resp: 6211

Ion	Ratio	Lower	Upper
112	100		
64	57.3	49.0	73.4
63	34.8	27.7	41.5






```
#5
Phenol-d6
Concen:    2.29 ng
RT: 6.78 min  Scan# 668
Delta R.T.   -0.00 min
Lab File:   BE090329.D
Acq:  4 Aug 2015   3:14

Tgt Ion: 99 Resp:    5837
Ion  Ratio  Lower  Upper
 99  100
 42   23.5   22.2   33.2
 71   36.6   29.2   43.8
```

Instrument :
BNA_E
ClientSampleId :
SUMP-3

Manual Integrations APPROVED
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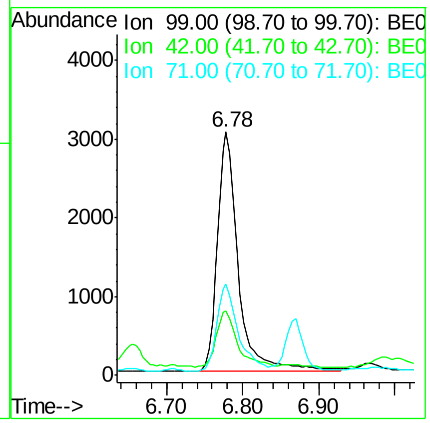
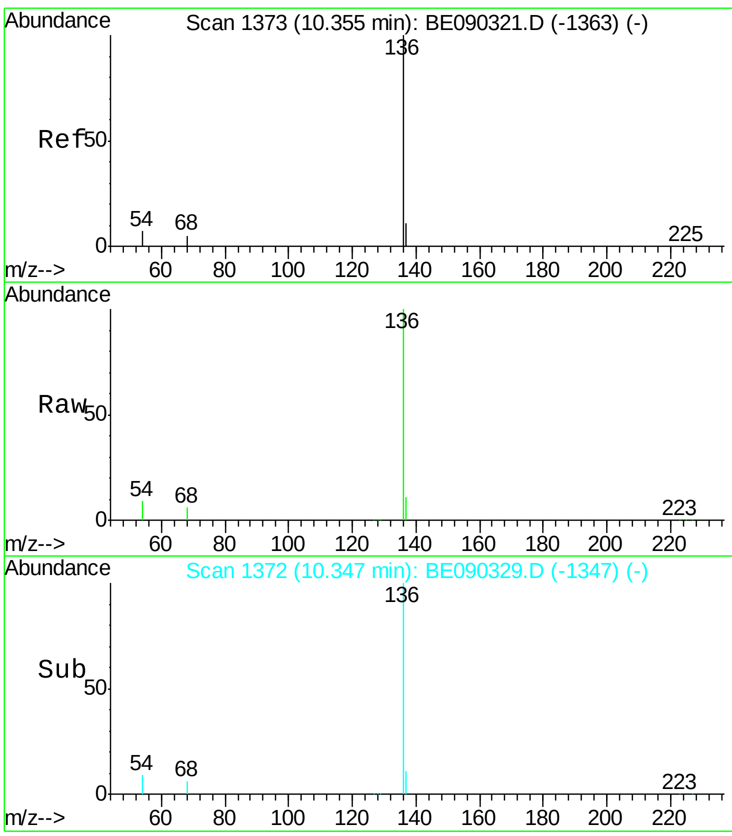
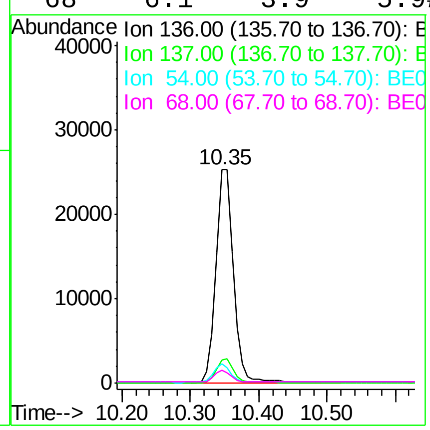
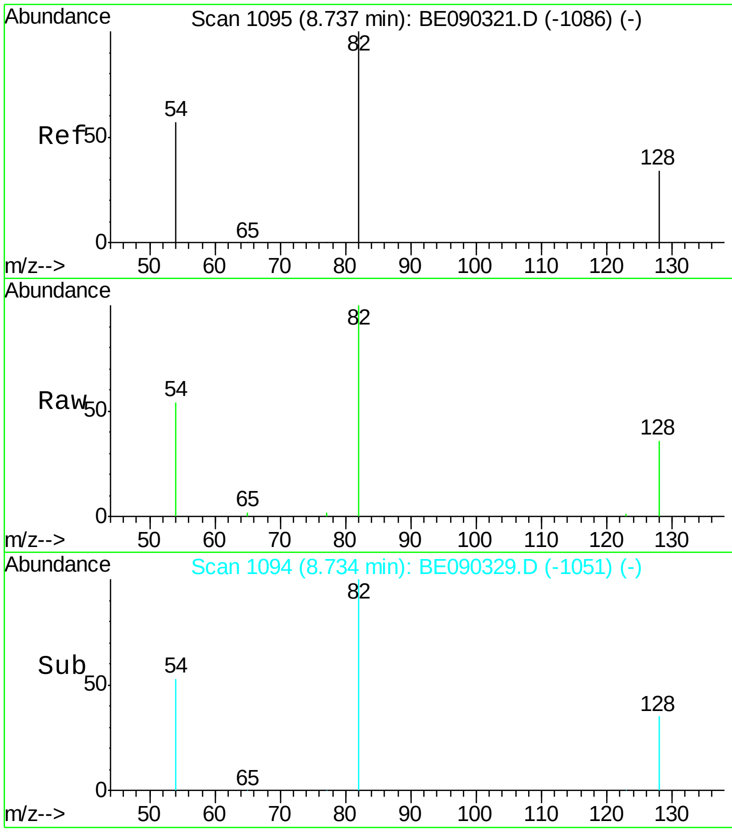





```
#6
Naphthalene-d8
Concen:    5.00 ng
RT: 10.35 min   Scan# 1372
Delta R.T.   -0.01 min
Lab File:   BE090329.D
Acq:  4 Aug 2015   3:14

Tgt Ion:136 Resp:   45697
Ion  Ratio  Lower  Upper
136  100
137   11.0    8.9   13.3
 54    8.8    6.0    9.0
 68    6.1    3.9    5.9#
```

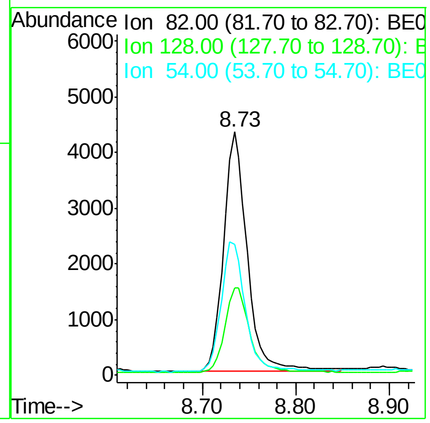




#7
Nitrobenzene-d5
Concen: 2.81 ng
RT: 8.73 min   Scan# 1094
Delta R.T.   -0.00 min
Lab File: BE090329.D
Acq: 4 Aug 2015   3:14

Tgt Ion: 82 Resp: 7575

Ion	Ratio	Lower	Upper
82	100		
128	36.0	30.8	46.2
54	53.8	47.5	71.3



Instrument :
BNA_E
ClientSampleId :
SUMP-3

Manual Integrations APPROVED
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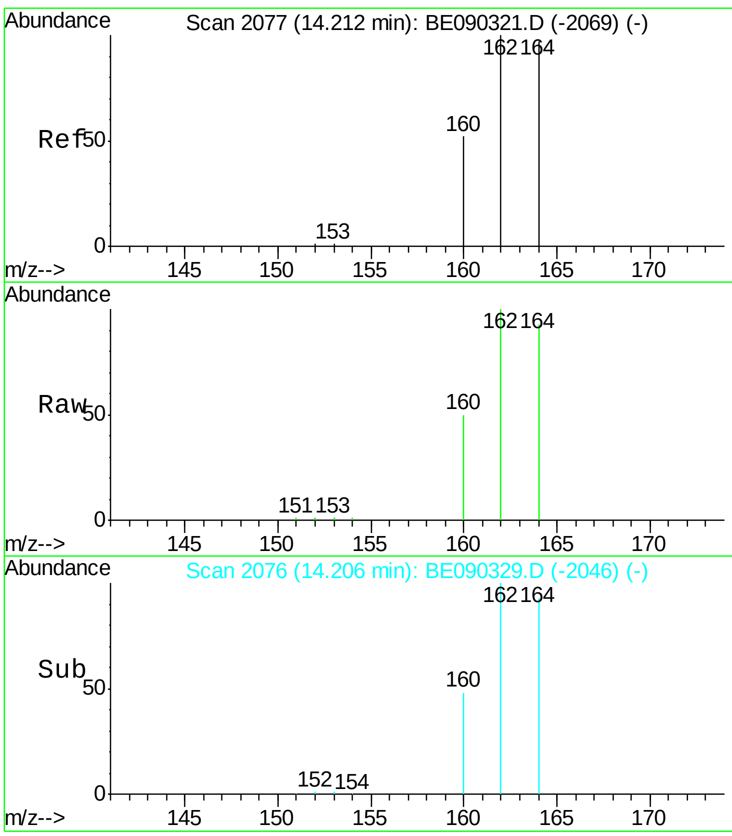
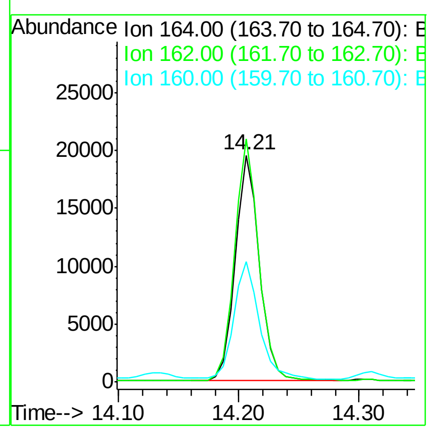
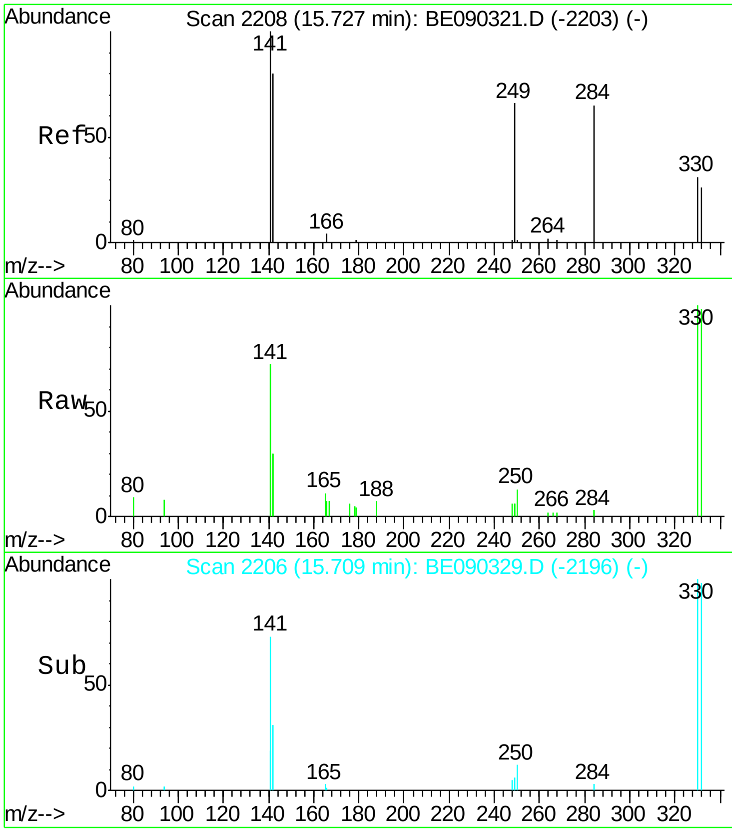


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.21 min   Scan# 2076
Delta R.T.   -0.01 min
Lab File: BE090329.D
Acq: 4 Aug 2015   3:14

Tgt Ion:164 Resp: 27384

Ion	Ratio	Lower	Upper
164	100		
162	107.1	82.7	124.1
160	53.1	43.0	64.6





#13
2,4,6-Tribromophenol
Concen: 8.09 ng
RT: 15.71 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BE090329.D
Acq: 4 Aug 2015 3:14

Instrument :
BNA_E
ClientSampleId :
SUMP-3

Manual Integrations APPROVED
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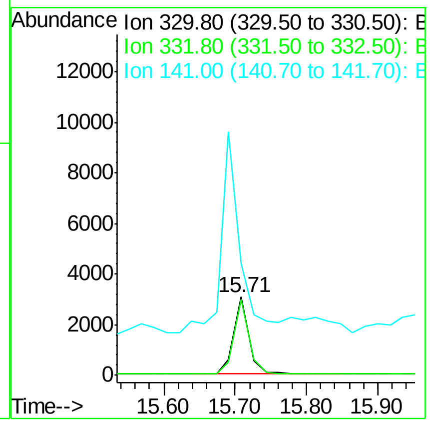
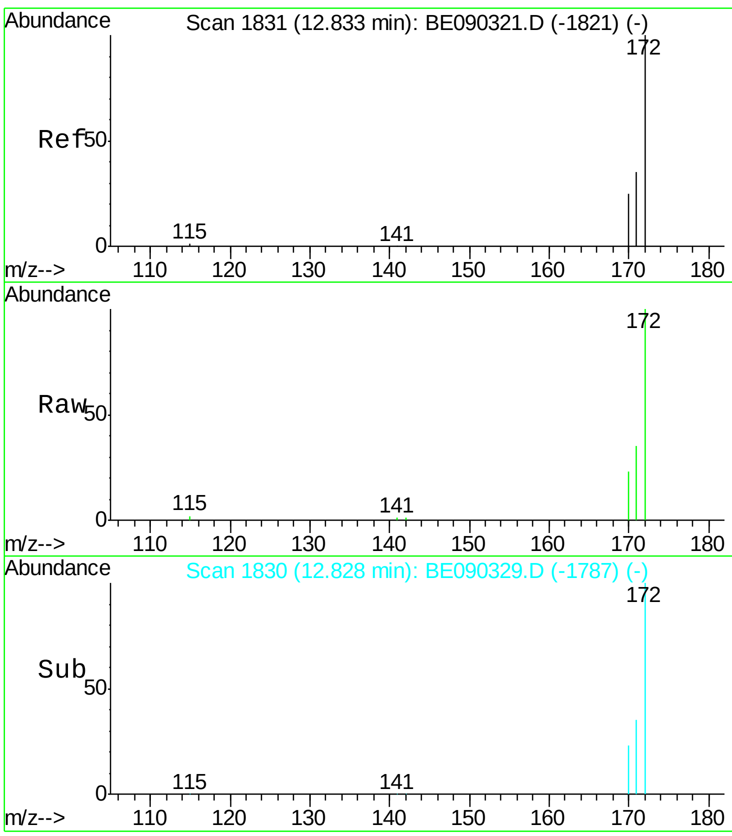
Tgt Ion:330 Resp: 4588

Ion	Ratio	Lower	Upper
330	100		
332	96.6	79.4	119.0
141	316.3	245.9	368.9

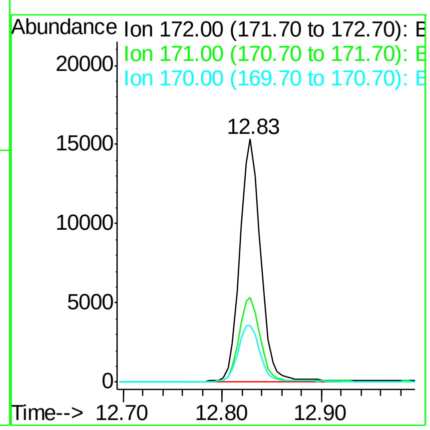


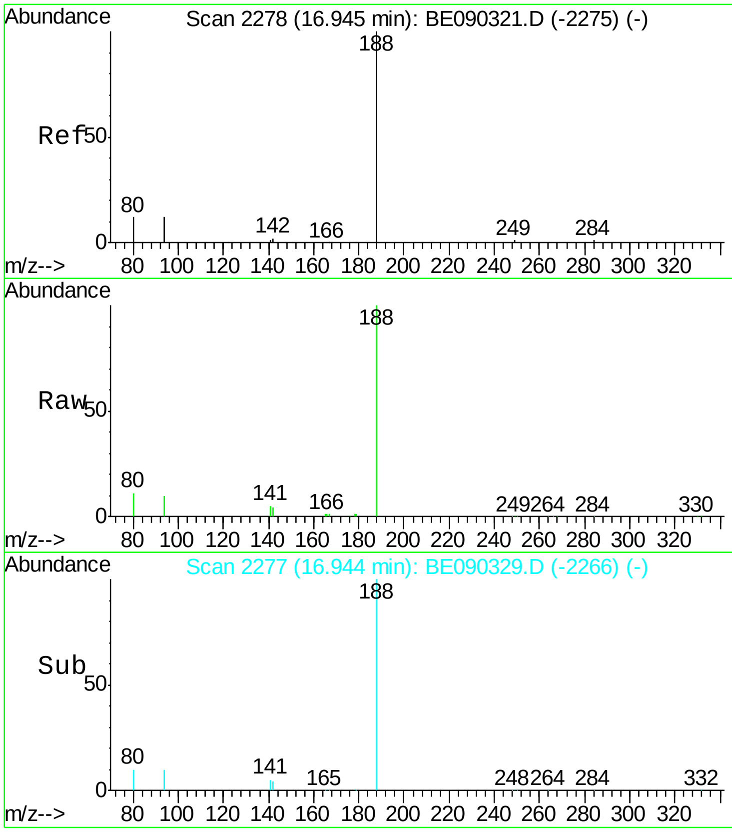


#14
2-Fluorobiphenyl
Concen: 2.83 ng
RT: 12.83 min Scan# 1830
Delta R.T. -0.00 min
Lab File: BE090329.D
Acq: 4 Aug 2015 3:14

Tgt Ion:172 Resp: 22483

Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.5	44.3
170	23.3	21.3	31.9





#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. -0.00 min
Lab File: BE090329.D
Acq: 4 Aug 2015 3:14

Tgt Ion:188 Resp: 68660

Ion	Ratio	Lower	Upper
188	100		
94	10.1	9.5	14.3
80	10.7	10.0	15.0

Instrument : BNA_E
ClientSampleId : SUMP-3

Manual Integrations APPROVED
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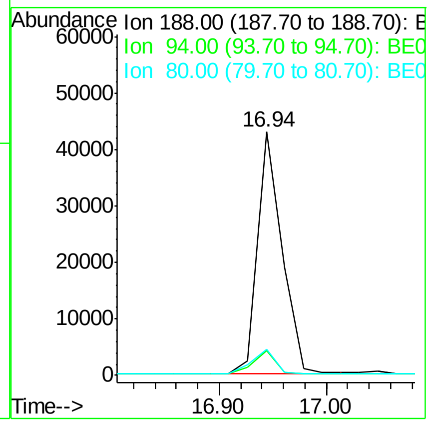
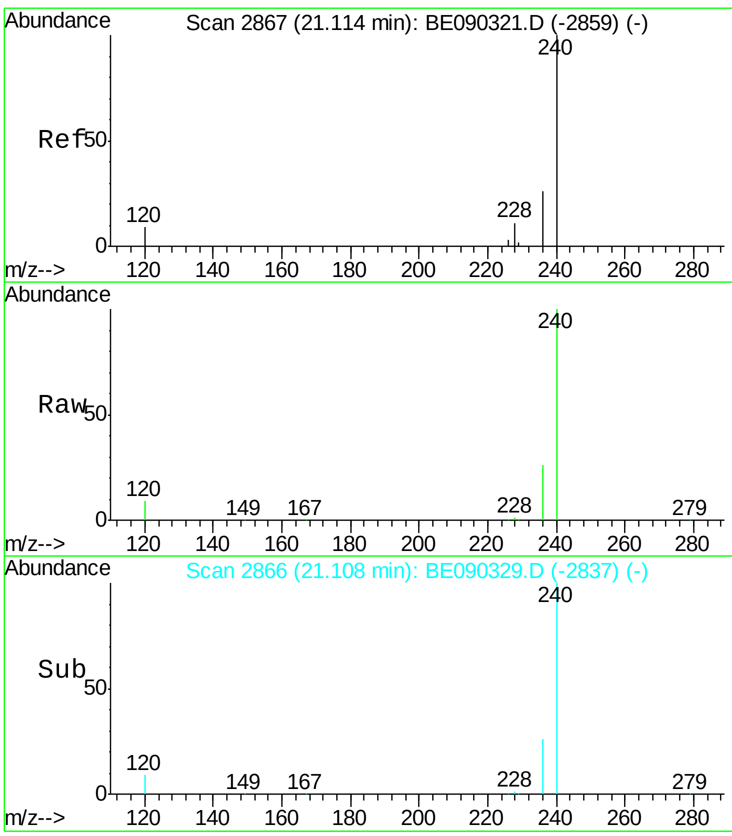
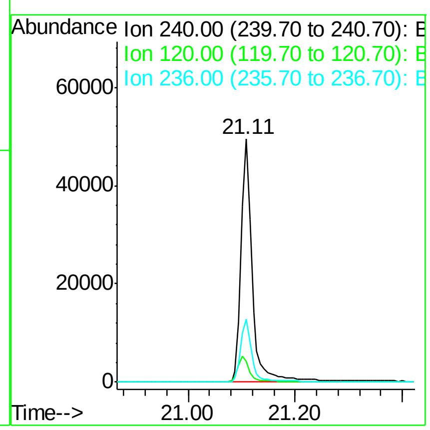


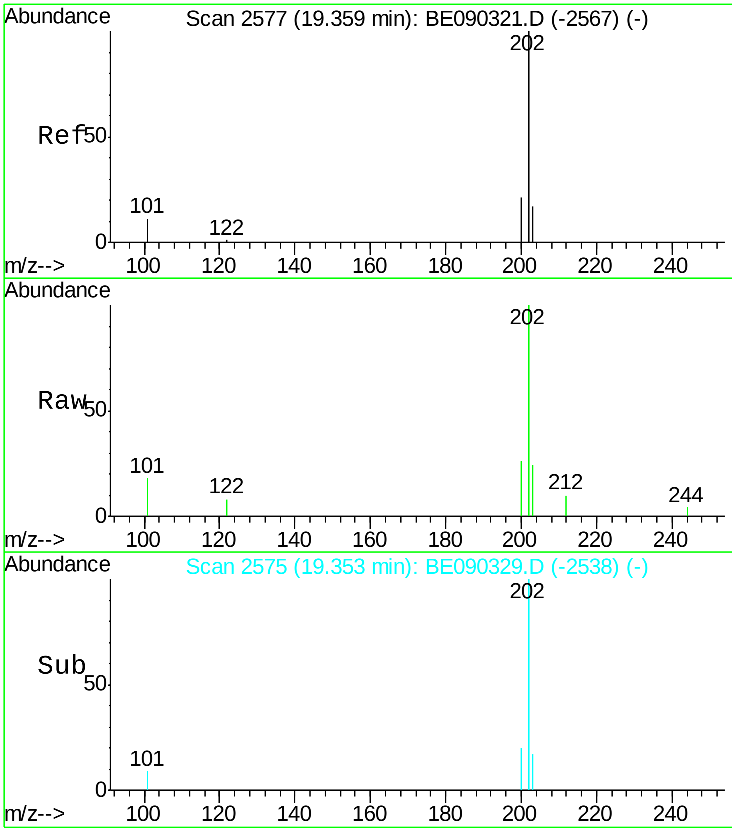


#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.11 min Scan# 2866
Delta R.T. -0.01 min
Lab File: BE090329.D
Acq: 4 Aug 2015 3:14

Tgt Ion:240 Resp: 70556

Ion	Ratio	Lower	Upper
240	100		
120	8.7	7.5	11.3
236	26.1	21.0	31.4





#26
Pyrene
Concen: 0.13 ng
RT: 19.35 min Scan# 2575
Delta R.T. -0.01 min
Lab File: BE090329.D
Acq: 4 Aug 2015 3:14

Tgt Ion:202	Resp:		2436
Ion	Ratio	Lower	Upper
202	100		
200	22.0	16.6	24.8
203	22.4	13.8	20.6#

Instrument :
BNA_E
ClientSampleId :
SUMP-3

Manual Integrations APPROVED
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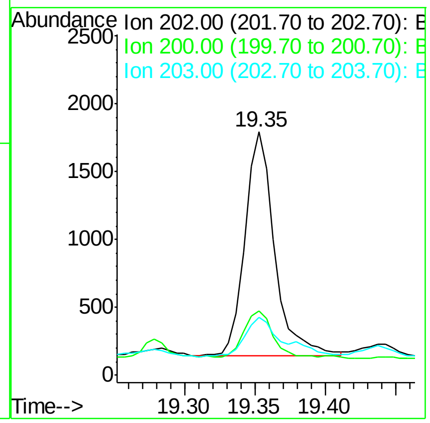
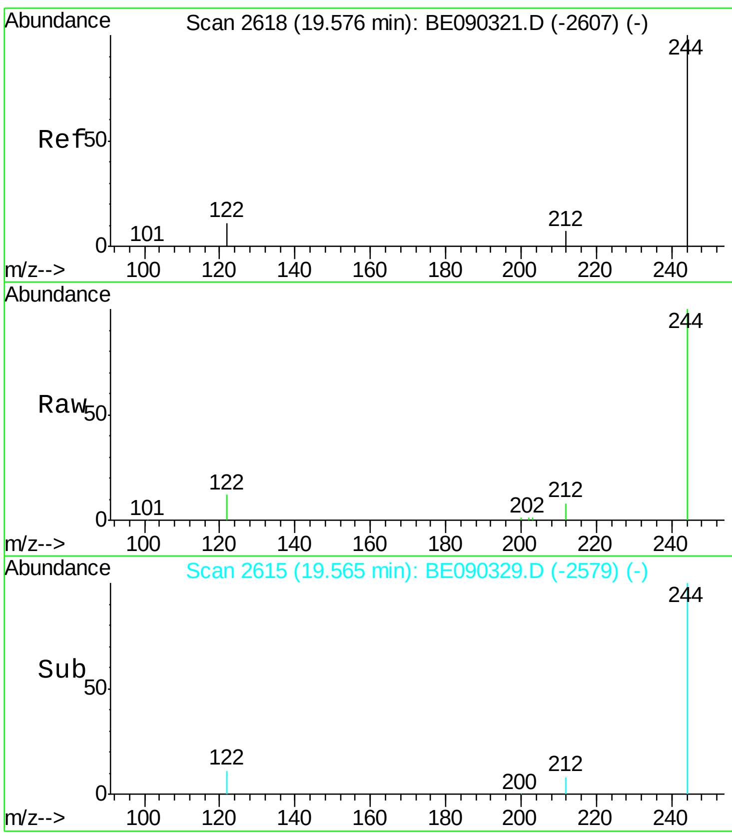
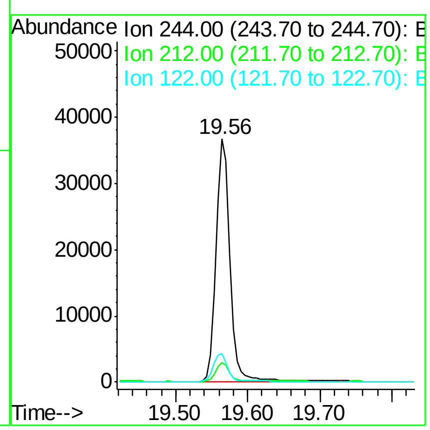
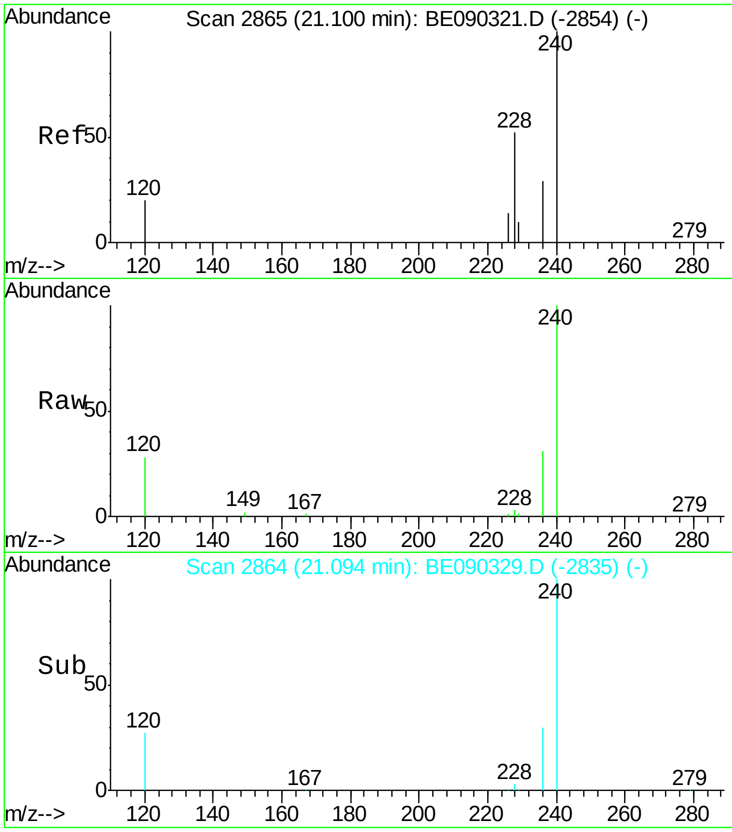




#27
Terphenyl-d14
Concen: 3.73 ng
RT: 19.56 min Scan# 2615
Delta R.T. -0.01 min
Lab File: BE090329.D
Acq: 4 Aug 2015 3:14

Tgt Ion:244	Resp:		49217
Ion	Ratio	Lower	Upper
244	100		
212	8.1	7.4	11.2
122	11.8	10.4	15.6





#28
Benzo(a)anthracene
Concen: 0.06 ng
RT: 21.09 min Scan# 2864
Delta R.T. -0.01 min
Lab File: BE090329.D
Acq: 4 Aug 2015 3:14

Instrument :
BNA_E
ClientSampleId :
SUMP-3

Manual Integrations APPROVED
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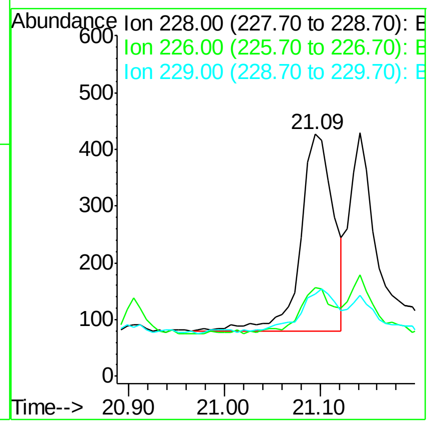
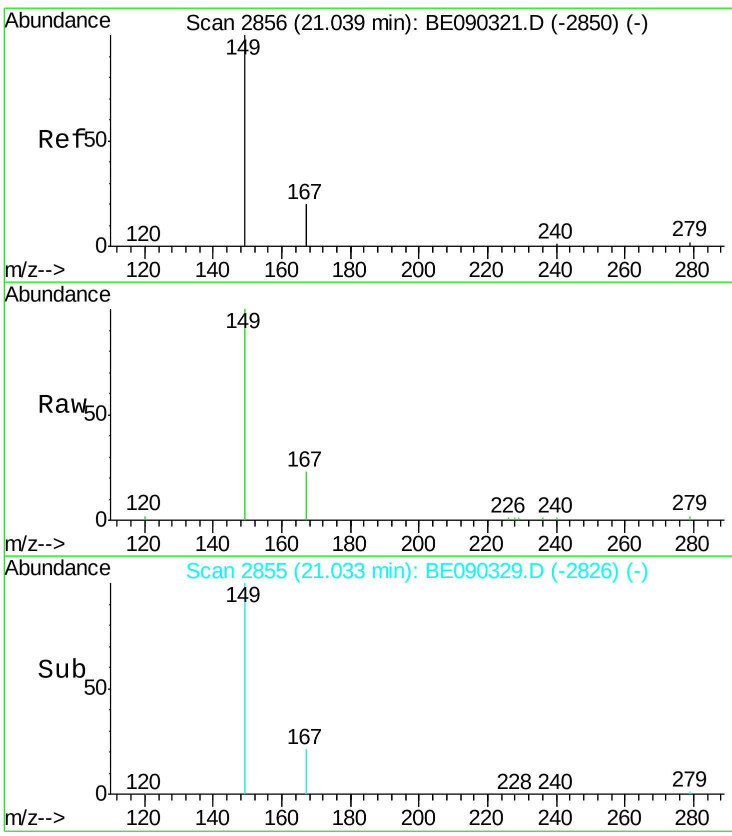
8/4/2015 3:27:20 PM

Tgt Ion:228 Resp: 830

Ion	Ratio	Lower	Upper
228	100		
226	36.8	23.0	34.4#
229	34.0	17.4	26.2#

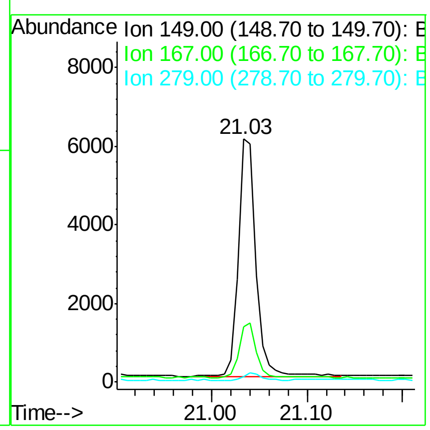


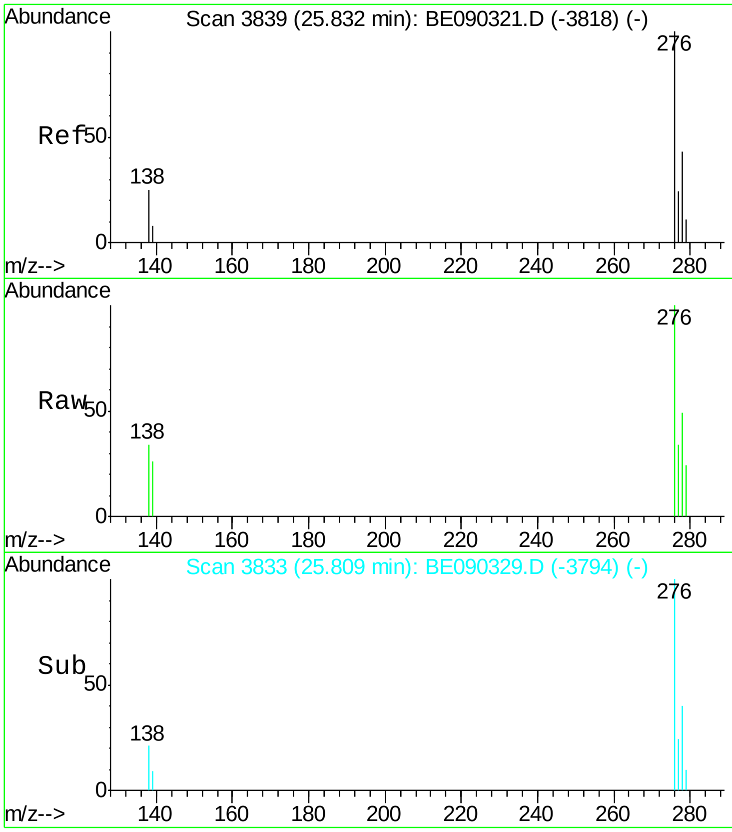


#30
Bis(2-ethylhexyl)phthalate
Concen: 1.71 ng
RT: 21.03 min Scan# 2855
Delta R.T. -0.01 min
Lab File: BE090329.D
Acq: 4 Aug 2015 3:14

Tgt Ion:149 Resp: 7799

Ion	Ratio	Lower	Upper
149	100		
167	21.9	16.6	24.8
279	2.8	2.7	4.1





#31
Indeno(1,2,3-cd)pyrene
Concen: 0.31 ng
RT: 25.81 min Scan# 3833
Delta R.T. -0.02 min
Lab File: BE090329.D
Acq: 4 Aug 2015 3:14

Tgt Ion:276 Resp: 1446

Ion	Ratio	Lower	Upper
276	100		
138	21.4	10.6	16.0#
277	21.9	14.6	22.0

Instrument :
BNA_E
ClientSampleId :
SUMP-3

Manual Integrations APPROVED
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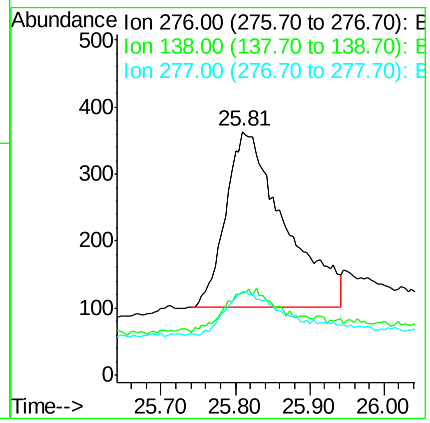
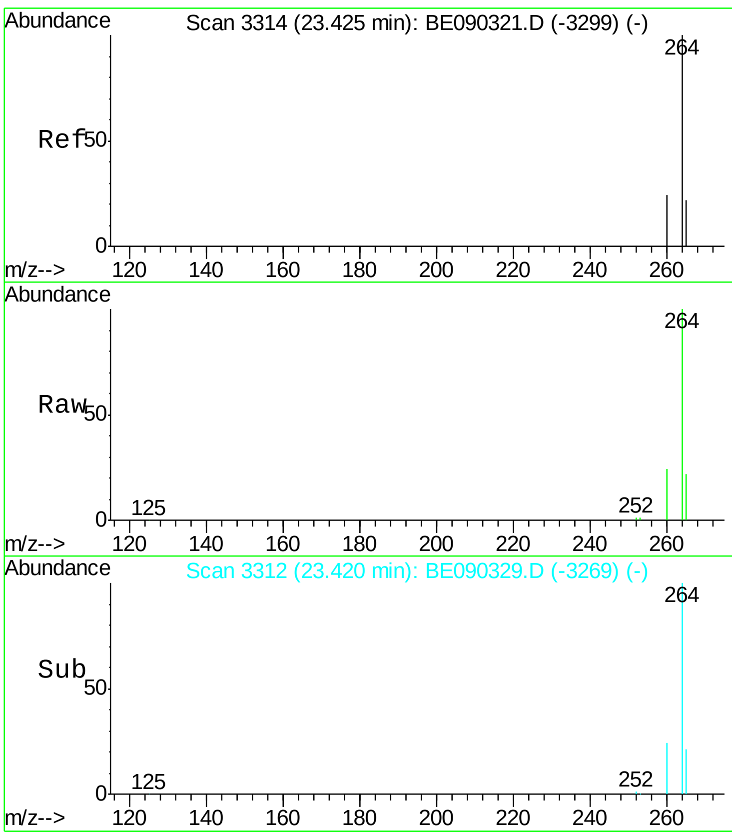
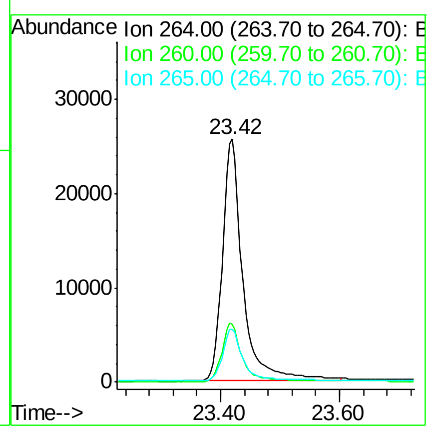


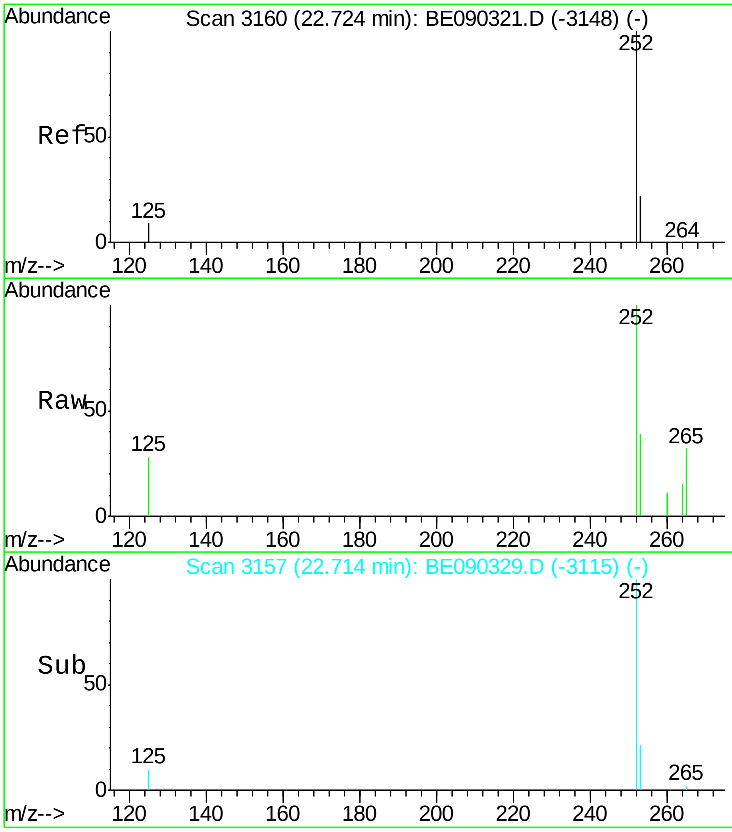


#32
Perylene-d12
Concen: 5.00 ng
RT: 23.42 min Scan# 3312
Delta R.T. -0.01 min
Lab File: BE090329.D
Acq: 4 Aug 2015 3:14

Tgt Ion:264 Resp: 62021

Ion	Ratio	Lower	Upper
264	100		
260	24.0	20.1	30.1
265	21.9	18.6	28.0





#33
Benzo(b)fluoranthene
Concen: 0.43 ng
RT: 22.71 min Scan# 3157
Delta R.T. -0.01 min
Lab File: BE090329.D
Acq: 4 Aug 2015 3:14

Tgt Ion:252 Resp: 930

Ion	Ratio	Lower	Upper
252	100		
253	38.8	21.5	32.3#
125	28.4	11.8	17.8#

Instrument :
BNA_E
ClientSampleId :
SUMP-3

Manual Integrations APPROVED
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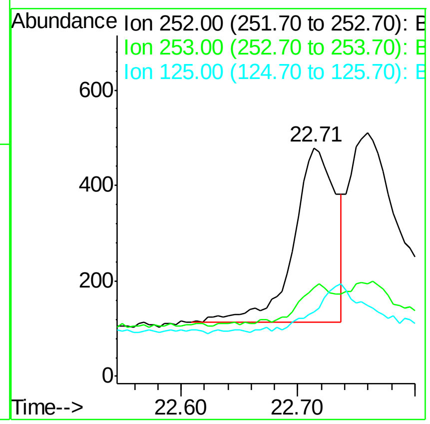
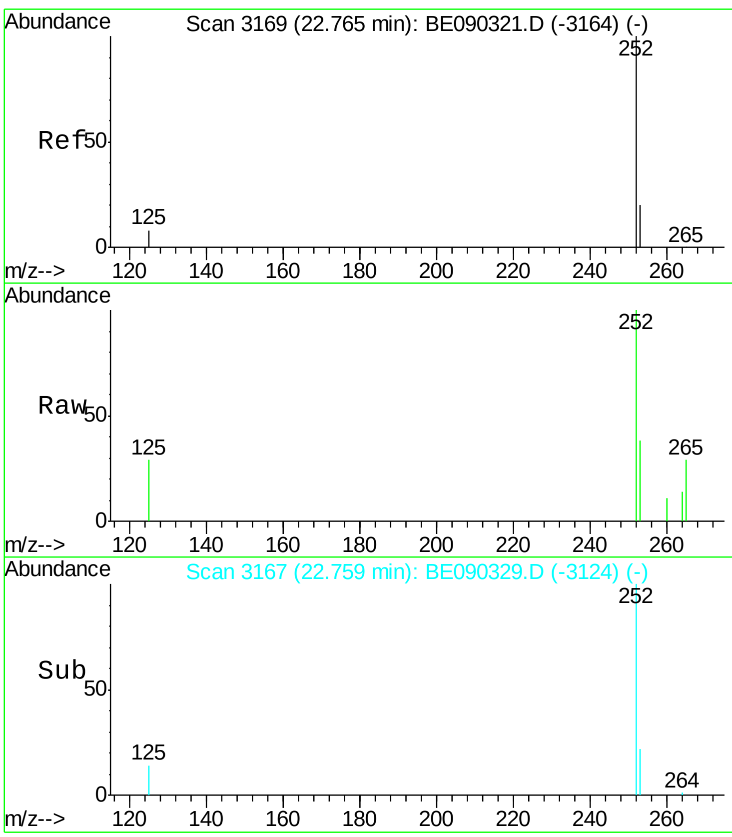
8/4/2015 3:27:20 PM

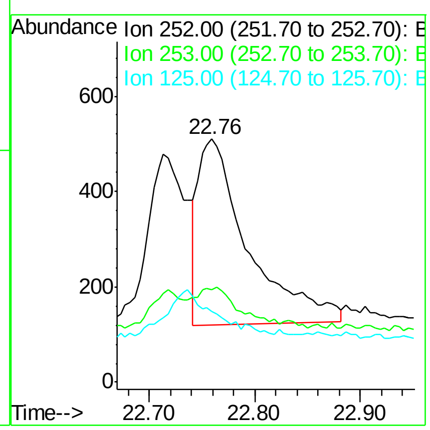


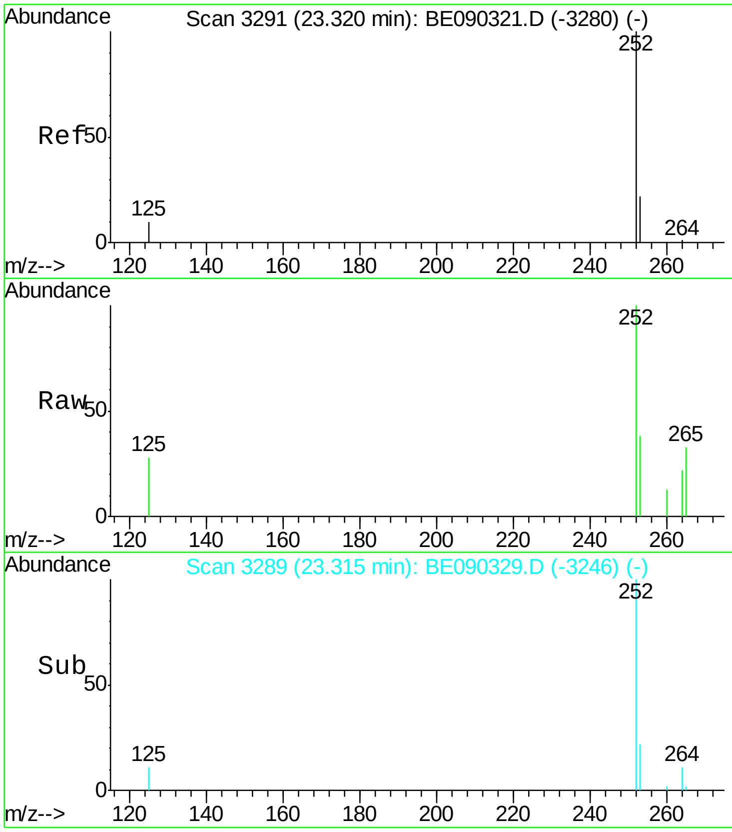


#34
Benzo(k)fluoranthene
Concen: 0.08 ng m
RT: 22.76 min Scan# 3167
Delta R.T. -0.01 min
Lab File: BE090329.D
Acq: 4 Aug 2015 3:14

Tgt Ion:252 Resp: 1286

Ion	Ratio	Lower	Upper
252	100		
253	37.8	19.9	29.9#
125	29.2	11.2	16.8#





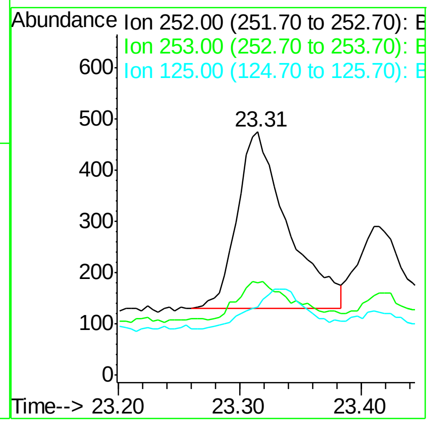
#35
Benzo(a)pyrene
Concen: 0.39 ng
RT: 23.31 min Scan# 3289
Delta R.T. -0.01 min
Lab File: BE090329.D
Acq: 4 Aug 2015 3:14

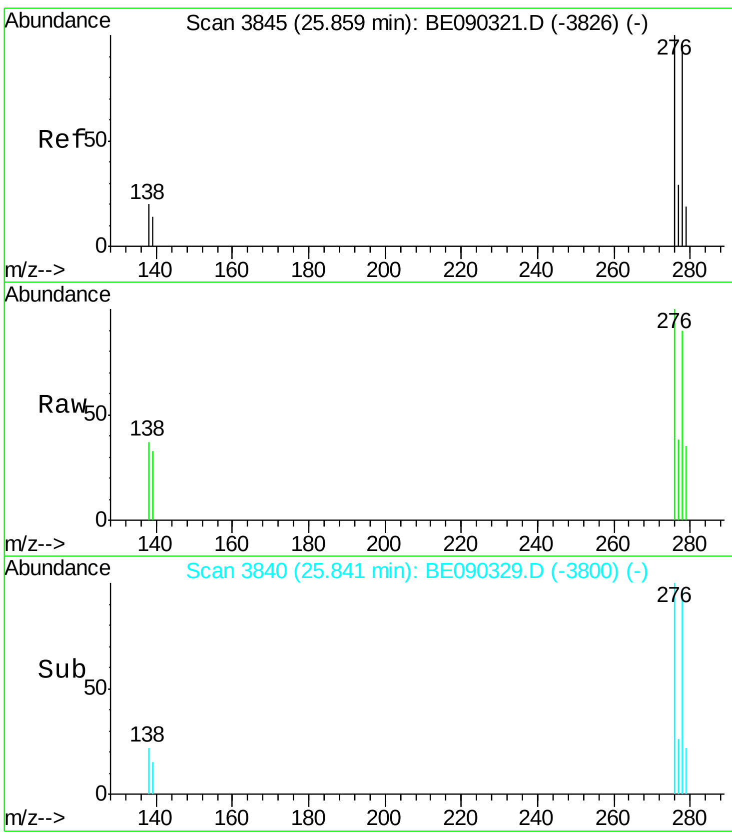
Tgt Ion:252 Resp: 989

Ion	Ratio	Lower	Upper
252	100		
253	38.2	23.0	34.4#
125	27.9	14.2	21.2#

Instrument :
BNA_E
ClientSampleId :
SUMP-3

Manual Integrations APPROVED
MMDadoda
8/4/2015 3:27:20 PM

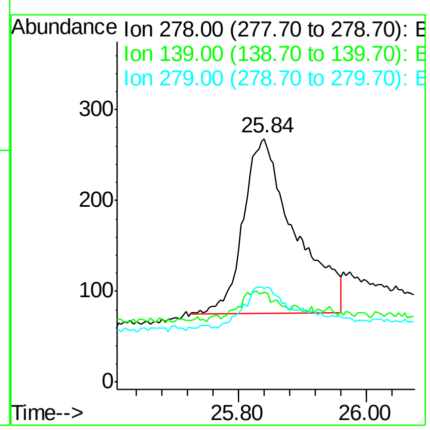


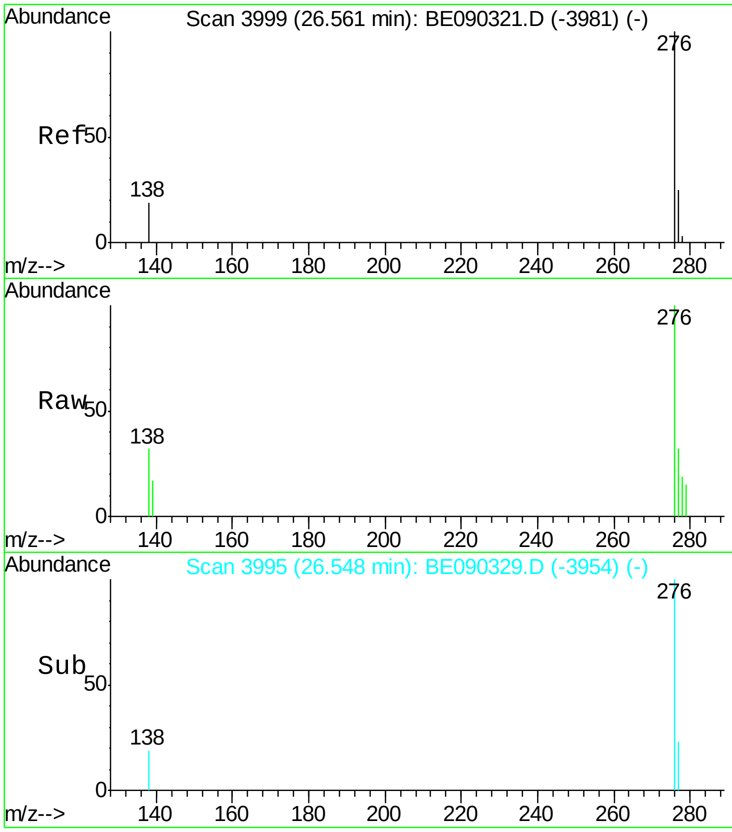


#36
Dibenzo(a,h)anthracene
Concen: 0.37 ng
RT: 25.84 min Scan# 3840
Delta R.T. -0.02 min
Lab File: BE090329.D
Acq: 4 Aug 2015 3:14

Tgt Ion:278 Resp: 1080

Ion	Ratio	Lower	Upper
278	100		
139	36.9	27.8	41.6
279	38.4	30.9	46.3





#37
Benzo(g,h,i)perylene
Concen: 0.36 ng
RT: 26.55 min Scan# 3995
Delta R.T. -0.01 min
Lab File: BE090329.D
Acq: 4 Aug 2015 3:14

Tgt Ion:276 Resp: 1425

Ion	Ratio	Lower	Upper
276	100		
277	32.1	25.6	38.4
138	31.9	22.0	33.0

Instrument :
BNA_E
ClientSampleId :
SUMP-3

Manual Integrations APPROVED
MMDadoda
8/4/2015 3:27:20 PM