Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080715\
Data File : BE090401.D
Acq On : 7 Aug 2015 17:16
Operator : TP/UM
Sample : PB84793BS
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB84793BS

Manual Integrations APPROVED
MMDadoda
8/10/2015 7:11:27 PM

Quant Time: Aug 08 00:06:26 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 06 12:28:08 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	20349	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	93905	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	53943	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	124172	5.00	ng	0.00
25) Chrysene-d12	21.09	240	160985	5.00	ng	0.00
32) Perylene-d12	23.40	264	134020	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	24714	8.09	ng	0.00
5) Phenol-d6	6.77	99	42441	6.46	ng	-0.01
7) Nitrobenzene-d5	8.72	82	29075	3.85	ng	-0.01
13) 2,4,6-Tribromophenol	15.69	330	8682	5.99	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	66128	4.46	ng	0.00
27) Terphenyl-d14	19.56	244	109298	4.61	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.20	88	10613	4.41	ng	98
3) n-Nitrosodimethylamine	3.49	42	13180	4.19	ng	92
8) Nitrobenzene	8.77	77	30435	3.78	ng	97
9) Naphthalene	10.38	128	81349	3.92	ng	98
10) Hexachlorobutadiene	10.69	225	13755	4.38	ng	99
11) 2-Methylnaphthalene	12.00	142	52566	4.37	ng	98
15) Acenaphthylene	13.91	152	372535	4.26	ng	100
16) Acenaphthene	14.26	154	56468	4.16	ng	90
17) Fluorene	15.26	166	75420	4.28	ng	98
19) 4-Bromophenyl-phenylether	16.14	248	21055	4.36	ng	96
20) Hexachlorobenzene	16.27	284	96987	3.89	ng	98
21) Pentachlorophenol	16.60	266	12890	7.05	ng	92
22) Phenanthrene	16.98	178	130953	4.21	ng	99
23) Anthracene	17.07	178	126032	4.94	ng	100
24) Fluoranthene	18.98	202	146826	4.80	ng	100
26) Pyrene	19.34	202	162827	4.67	ng	99
28) Benzo(a)anthracene	21.08	228	160354	4.49	ng	98
29) Chrysene	21.14	228	173766	4.03	ng	100
30) Bis(2-ethylhexyl)phthalate	21.03	149	39599	3.50	ng	99
31) Indeno(1,2,3-cd)pyrene	25.78	276	133767	3.52	ng	95
33) Benzo(b)fluoranthene	22.70	252	128816	4.28	ng	99
34) Benzo(k)fluoranthene	22.75	252	165480m	4.43	ng	
35) Benzo(a)pyrene	23.30	252	118739	4.18	ng	100
36) Dibenzo(a,h)anthracene	25.80	278	106754	3.87	ng	98
37) Benzo(g,h,i)perylene	26.52	276	117599	4.75	ng	98

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

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Instrument :
BNA_E
ClientSampleId :
PB84793BS

Manual Integrations APPROVED
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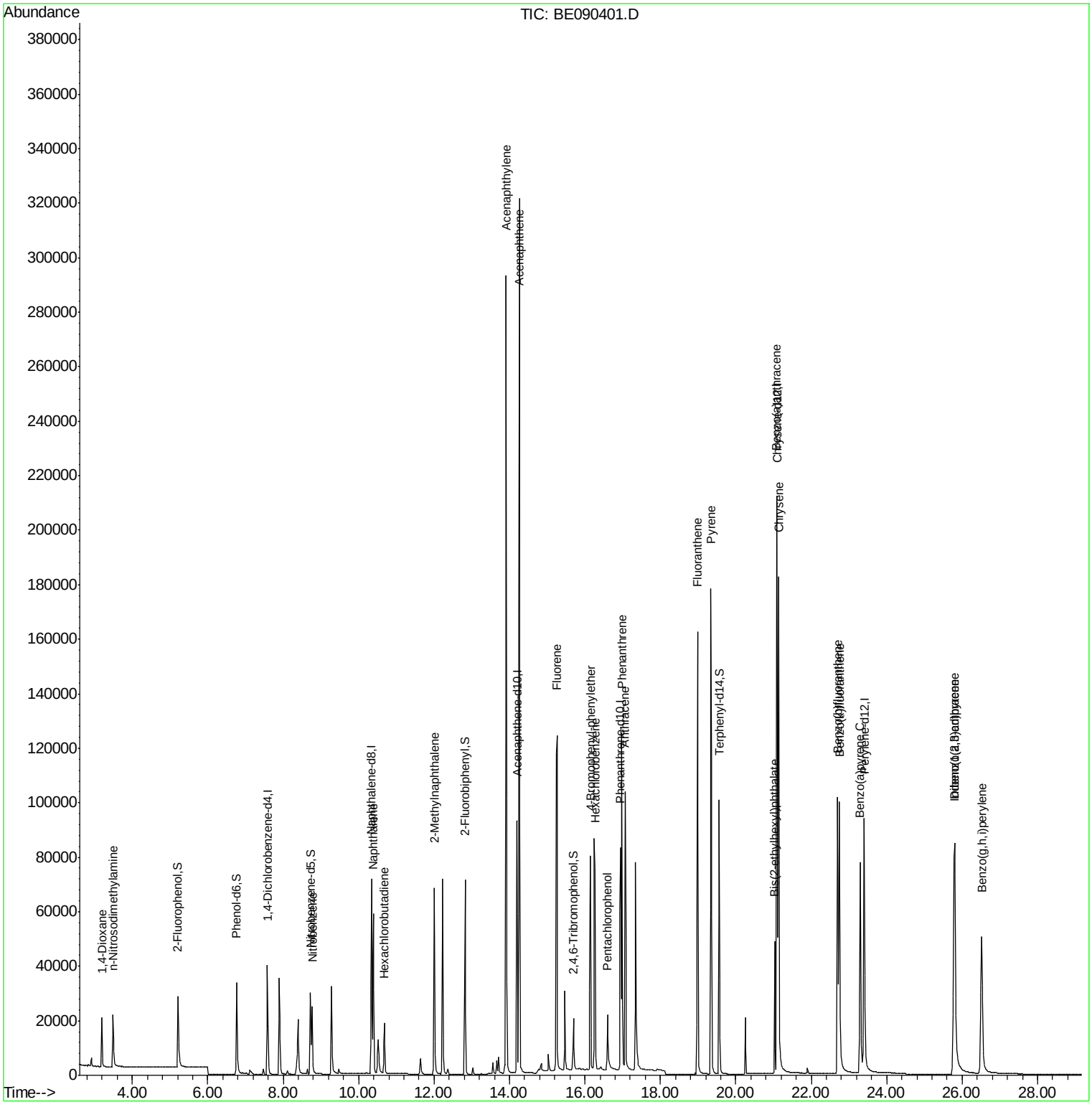
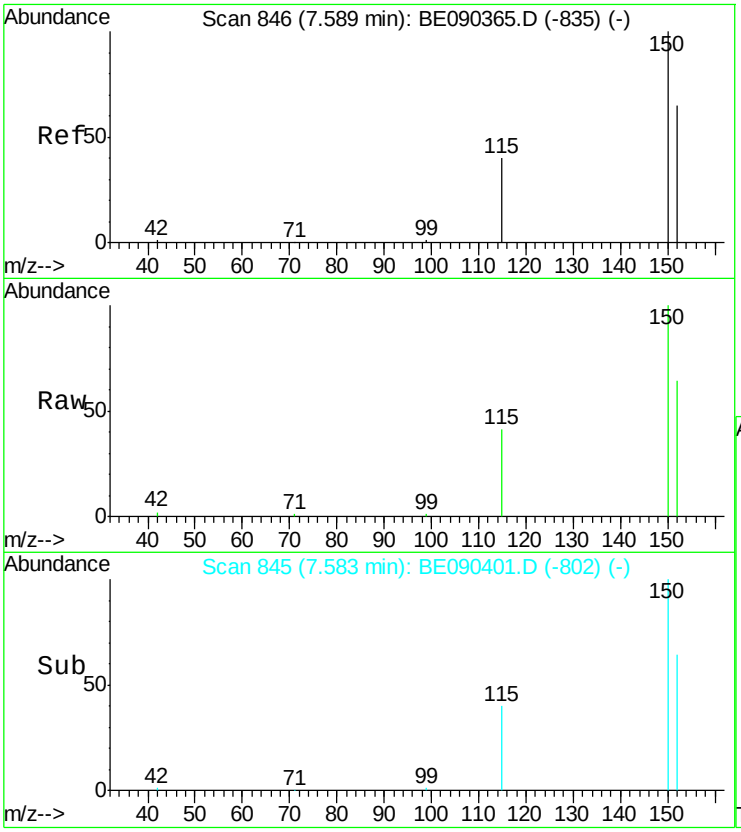
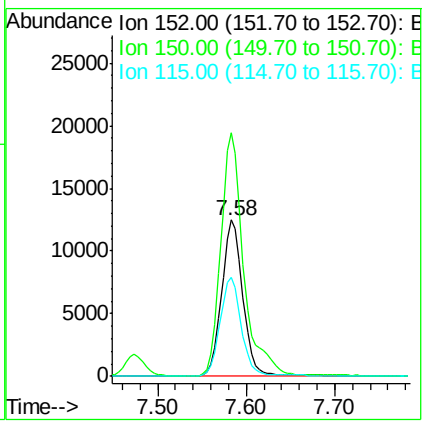




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 845
Delta R.T. -0.01 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:152 Resp: 20349

Ion	Ratio	Lower	Upper
152	100		
150	155.8	123.0	184.4
115	63.3	48.9	73.3



Instrument :
BNA_E
ClientSampleId :
PB84793BS

Manual Integrations APPROVED
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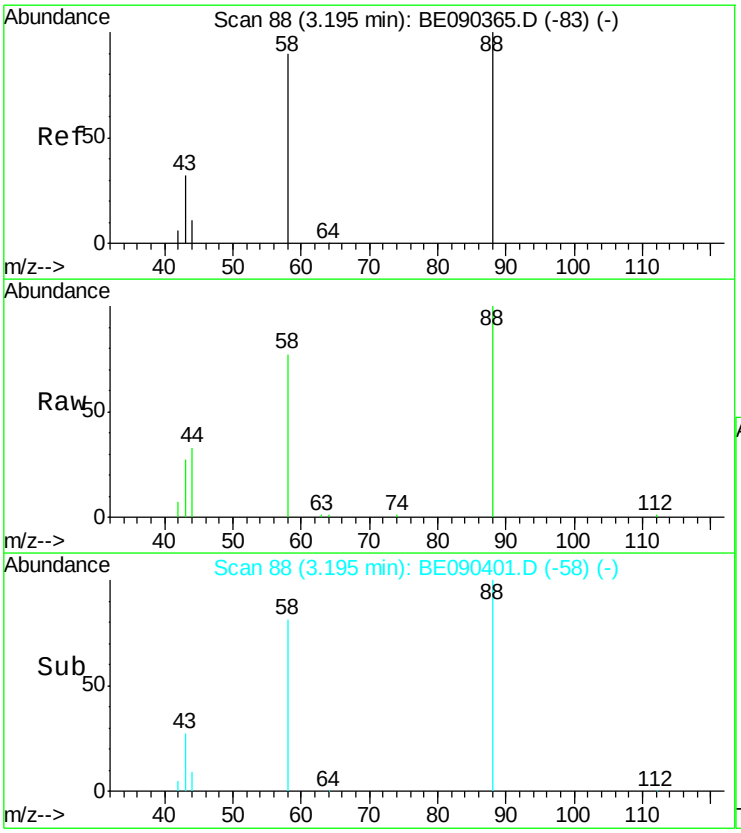
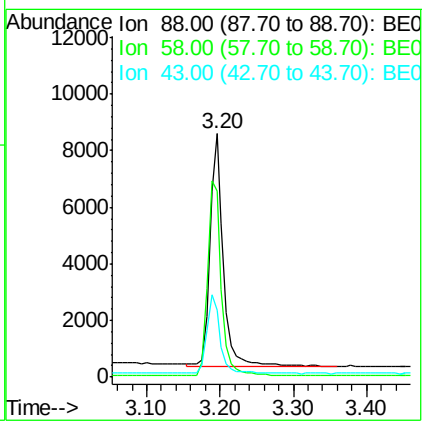
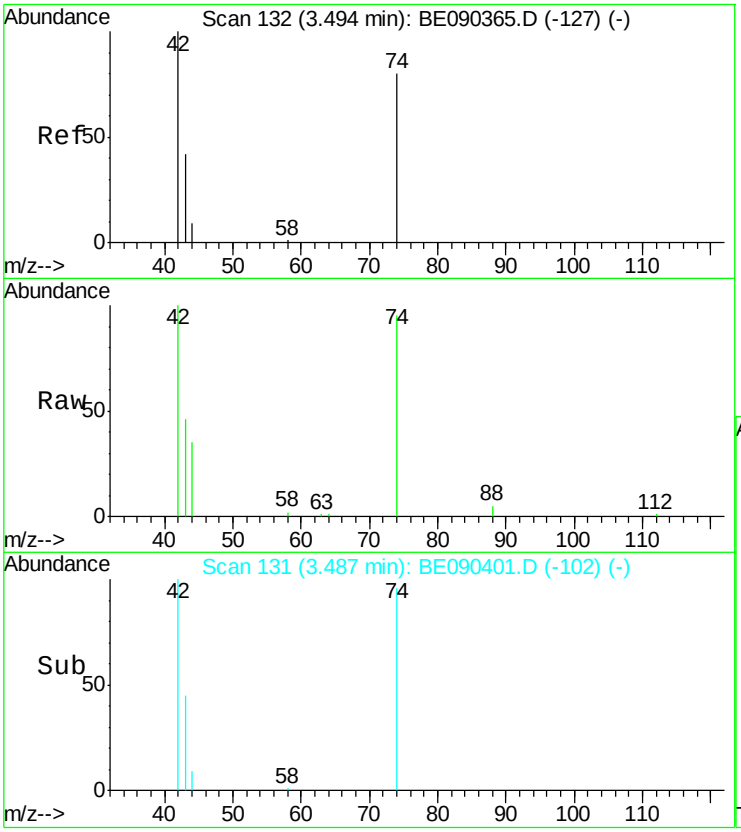


#2
1,4-Dioxane
Concen: 4.41 ng
RT: 3.20 min Scan# 88
Delta R.T. 0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion: 88 Resp: 10613

Ion	Ratio	Lower	Upper
88	100		
58	86.1	70.0	105.0
43	32.9	28.4	42.6

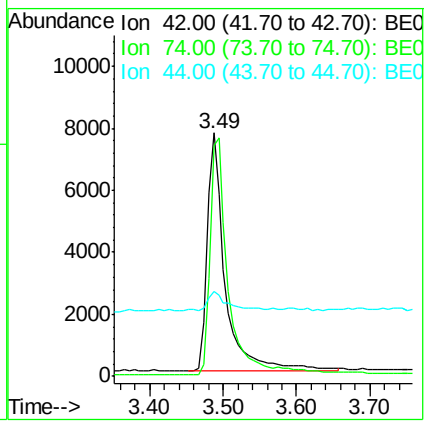




#3
n-Nitrosodimethylamine
Concen: 4.19 ng
RT: 3.49 min Scan# 131
Delta R.T. -0.01 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion: 42 Resp: 13180

Ion	Ratio	Lower	Upper
42	100		
74	102.3	75.2	112.8
44	8.9	8.7	13.1



Instrument :
BNA_E
ClientSampleId :
PB84793BS

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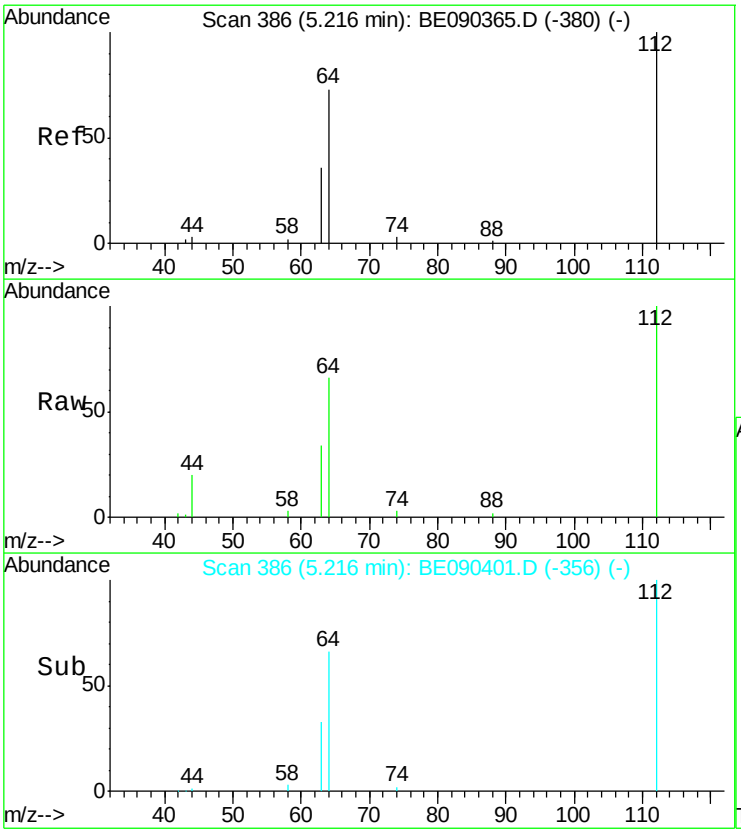
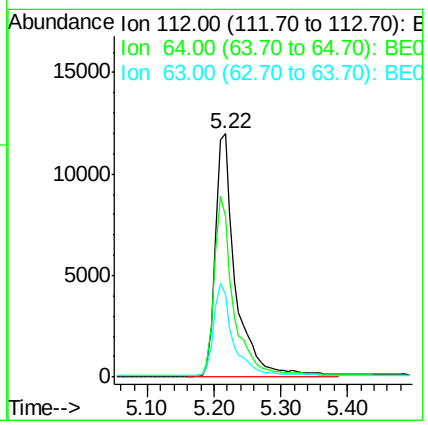
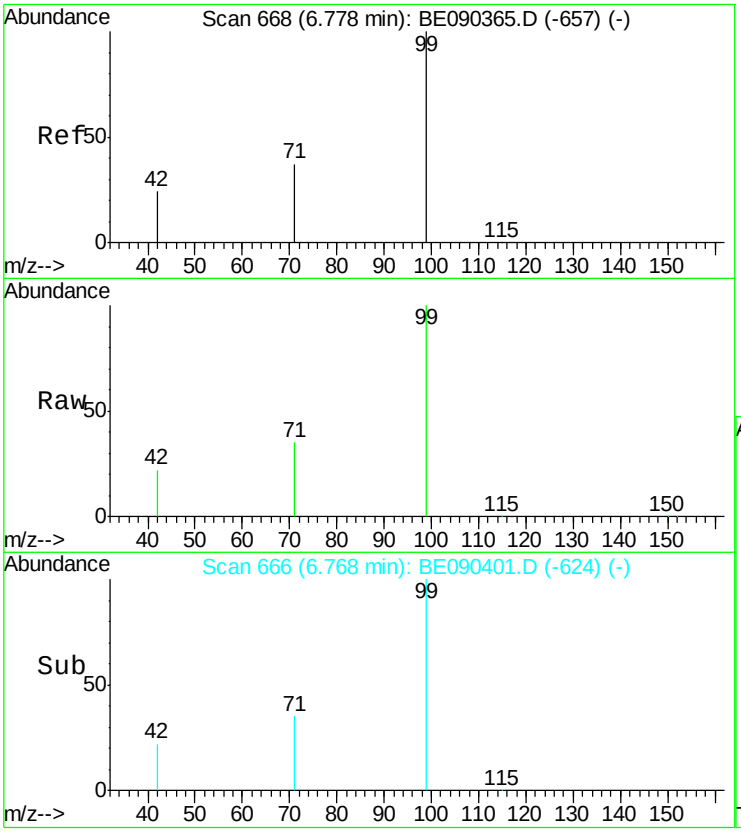


#4
2-Fluorophenol
Concen: 8.09 ng
RT: 5.22 min Scan# 386
Delta R.T. 0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:112 Resp: 24714

Ion	Ratio	Lower	Upper
112	100		
64	71.3	37.1	55.7#
63	37.0	19.5	29.3#

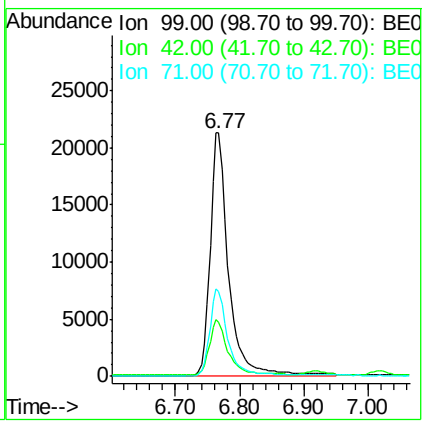




#5
Phenol-d6
Concen: 6.46 ng
RT: 6.77 min Scan# 666
Delta R.T. -0.01 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion: 99 Resp: 42441

Ion	Ratio	Lower	Upper
99	100		
42	23.3	18.2	27.4
71	35.3	27.4	41.0



Instrument :
BNA_E
ClientSampleId :
PB84793BS

Manual Integrations APPROVED
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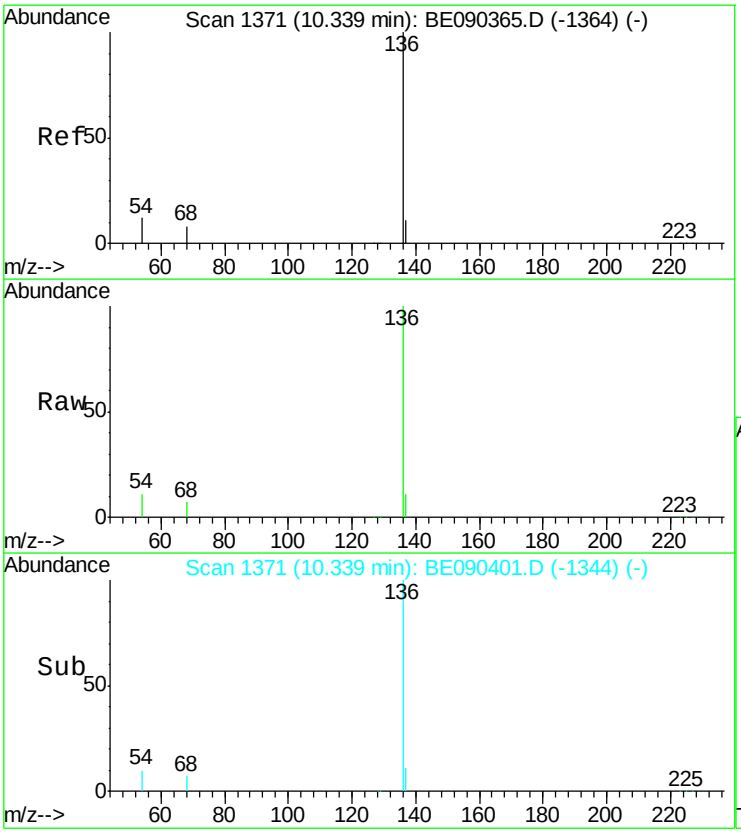
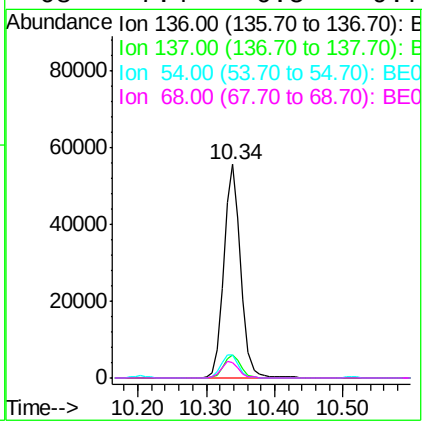
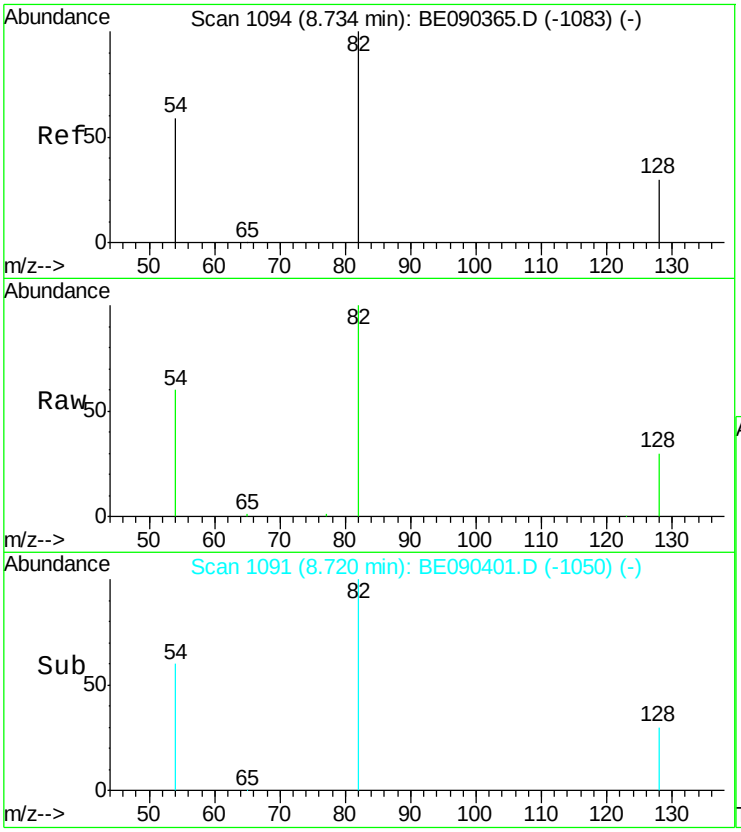


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.34 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:136 Resp: 93905

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	10.5	9.4	14.0
68	7.4	6.5	9.7

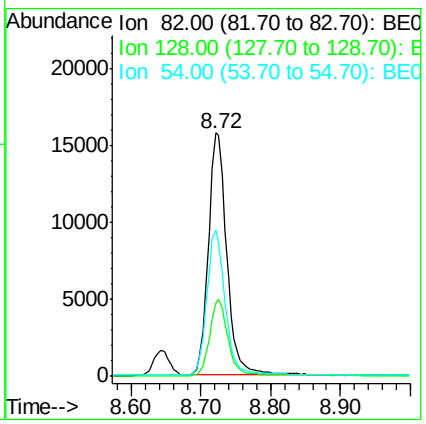




#7
Nitrobenzene-d5
Concen: 3.85 ng
RT: 8.72 min Scan# 1091
Delta R.T. -0.01 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion: 82 Resp: 29075

Ion	Ratio	Lower	Upper
82	100		
128	30.3	25.0	37.6
54	60.1	48.8	73.2



Instrument :
BNA_E
ClientSampleId :
PB84793BS

Manual Integrations APPROVED
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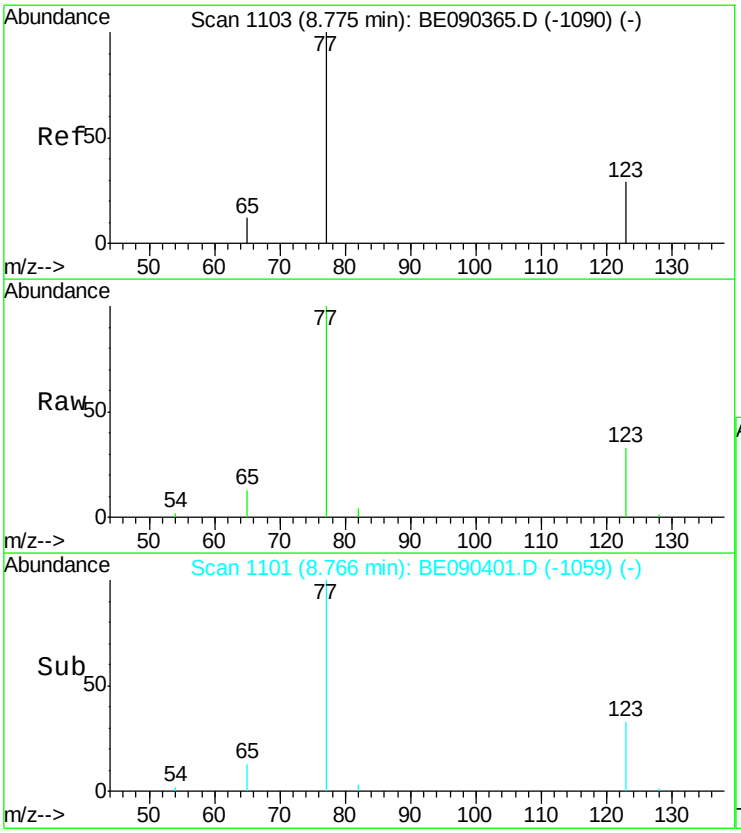
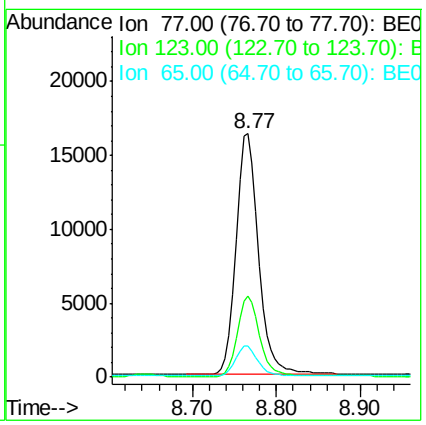
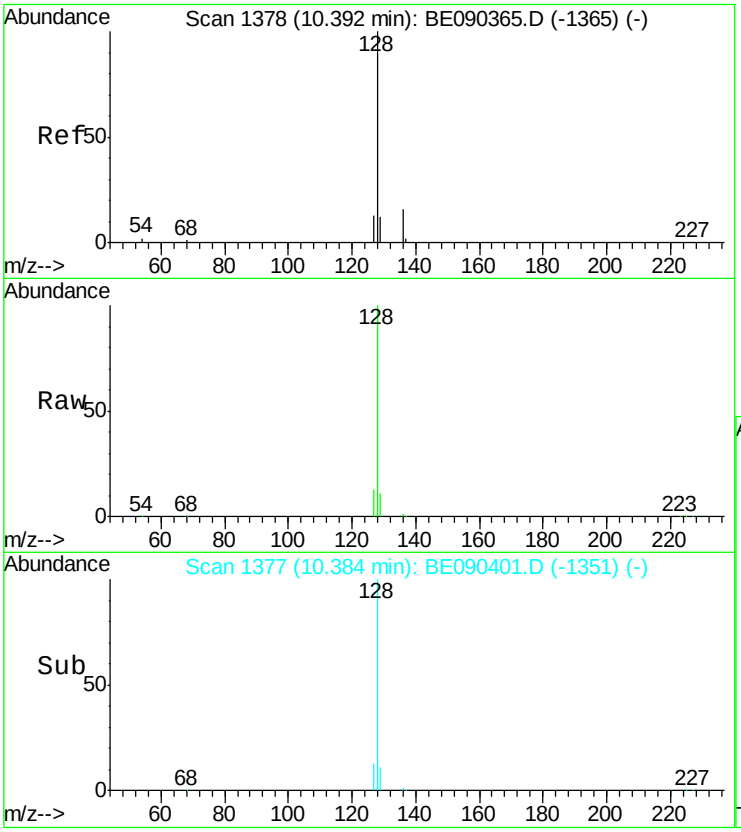


#8
Nitrobenzene
Concen: 3.78 ng
RT: 8.77 min Scan# 1101
Delta R.T. -0.01 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion: 77 Resp: 30435

Ion	Ratio	Lower	Upper
77	100		
123	32.9	25.1	37.7
65	12.7	9.3	13.9

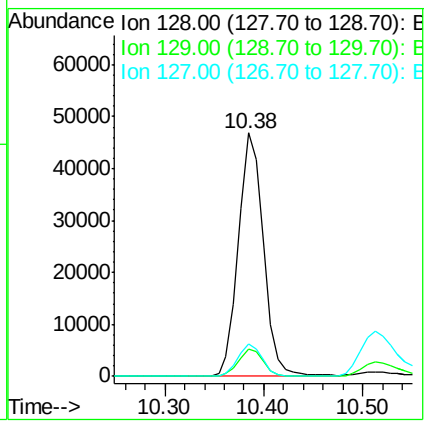




#9
Naphthalene
Concen: 3.92 ng
RT: 10.38 min Scan# 1377
Delta R.T. -0.01 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:128 Resp: 81349

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.8	14.6
127	13.2	10.6	16.0



Instrument :
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ClientSampleId :
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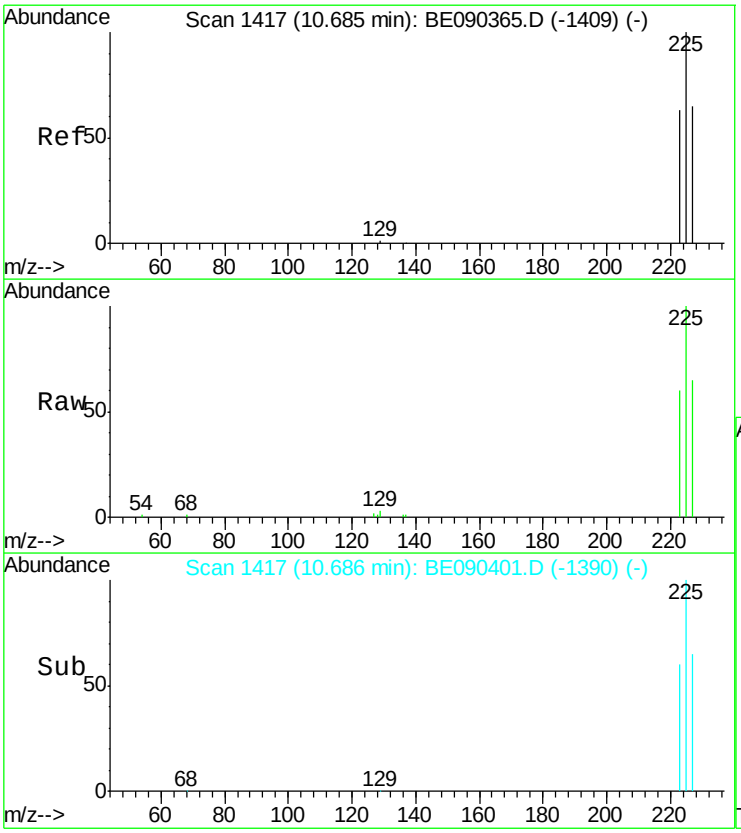
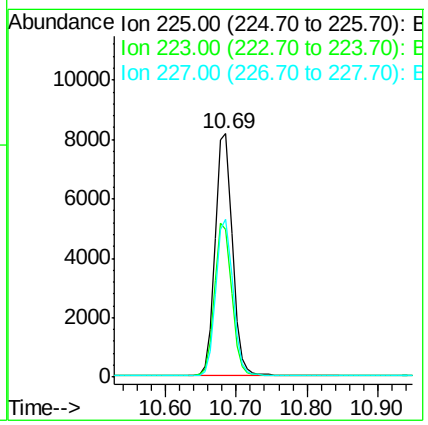
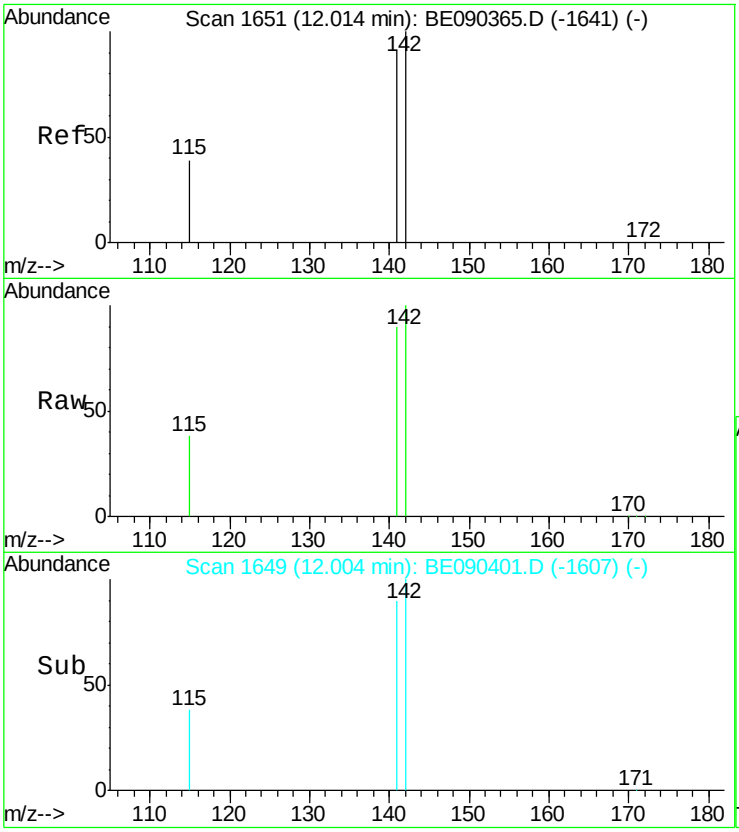


#10
Hexachlorobutadiene
Concen: 4.38 ng
RT: 10.69 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:225 Resp: 13755

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.6	75.8
227	64.0	50.7	76.1

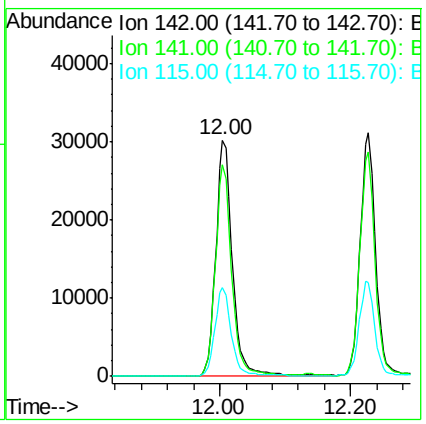




#11
2-Methylnaphthalene
Concen: 4.37 ng
RT: 12.00 min Scan# 1649
Delta R.T. -0.01 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:142 Resp: 52566

Ion	Ratio	Lower	Upper
142	100		
141	89.7	72.6	109.0
115	37.8	31.6	47.4



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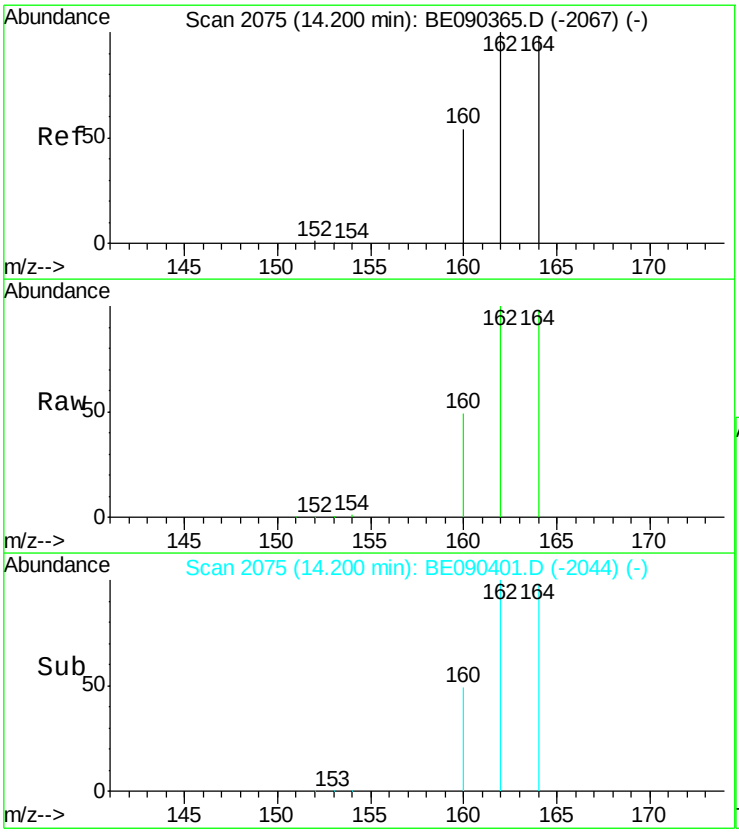
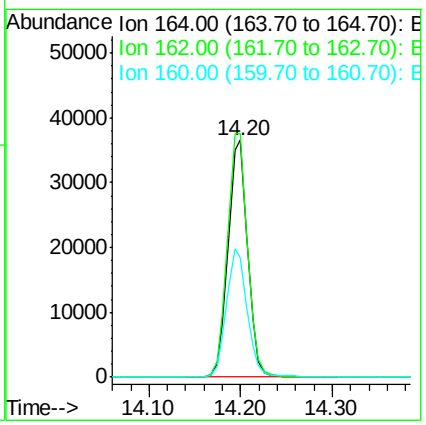
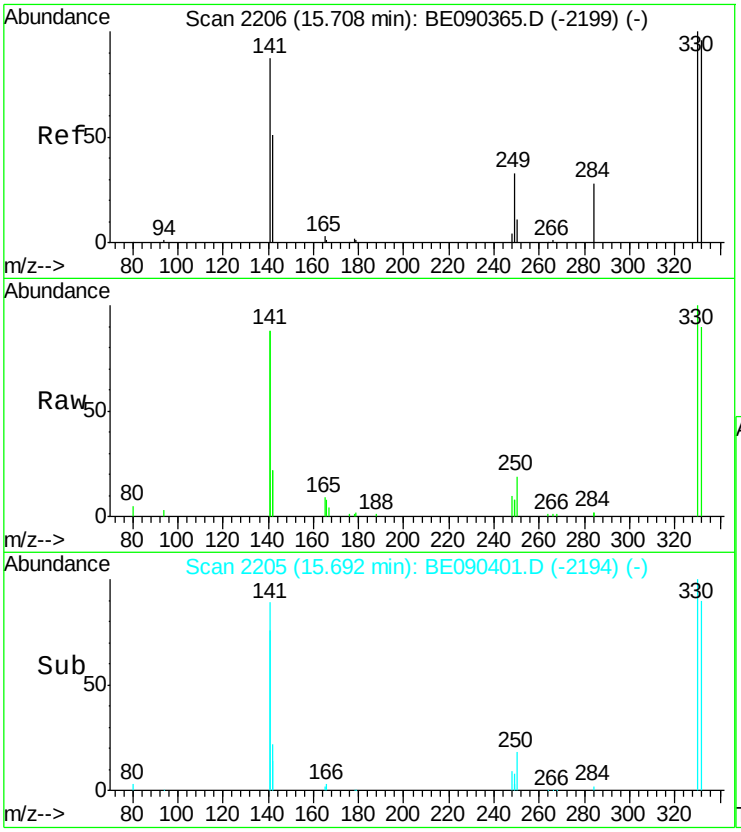


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.20 min Scan# 2075
Delta R.T. 0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:164 Resp: 53943

Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.8	122.8
160	50.4	44.2	66.4

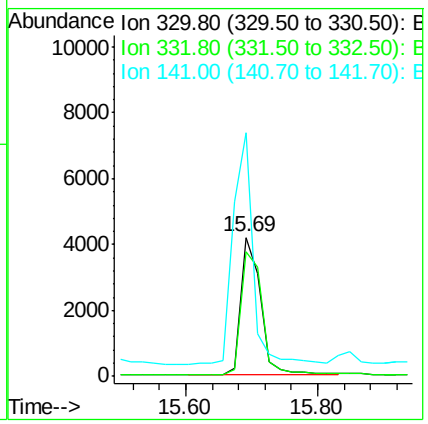




#13
2,4,6-Tribromophenol
Concen: 5.99 ng
RT: 15.69 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:330 Resp: 8682

Ion	Ratio	Lower	Upper
330	100		
332	96.7	75.8	113.6
141	167.3	114.4	171.6



Instrument :
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ClientSampleId :
PB84793BS

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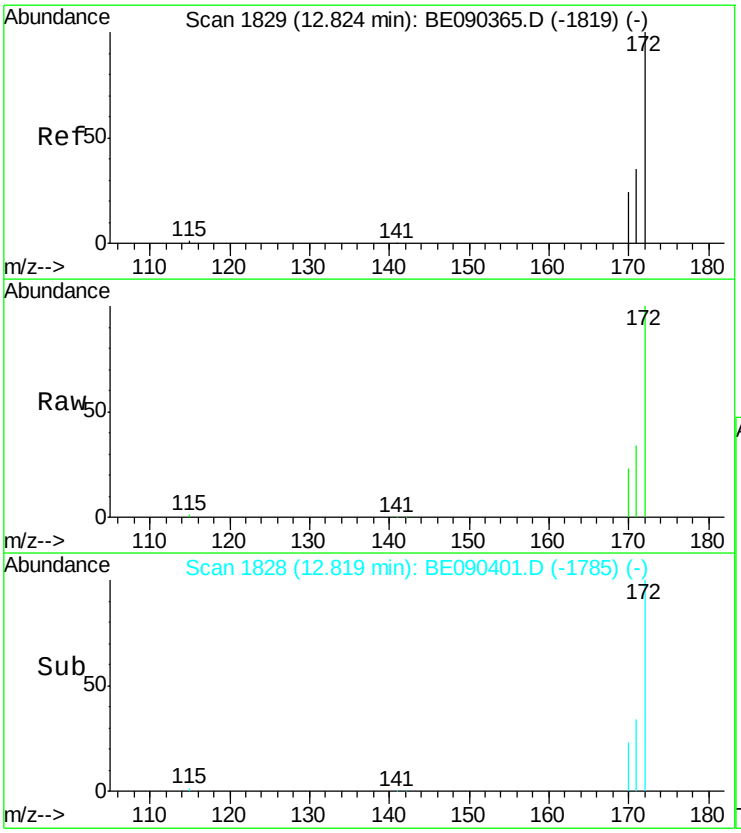
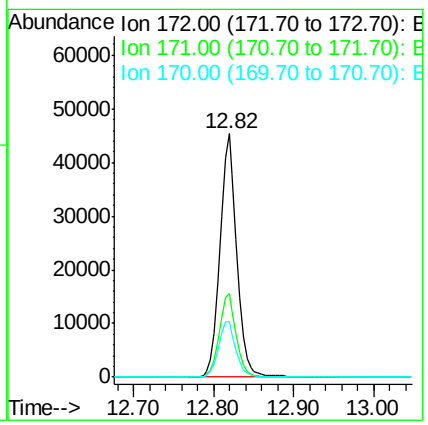
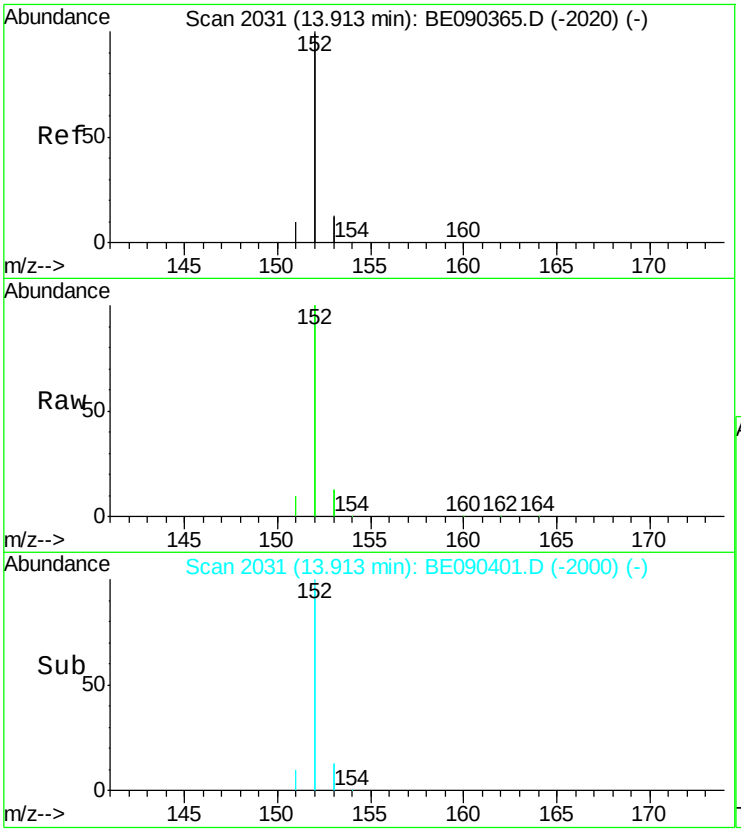


#14
2-Fluorobiphenyl
Concen: 4.46 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:172 Resp: 66128

Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.5	42.7
170	22.8	19.8	29.8

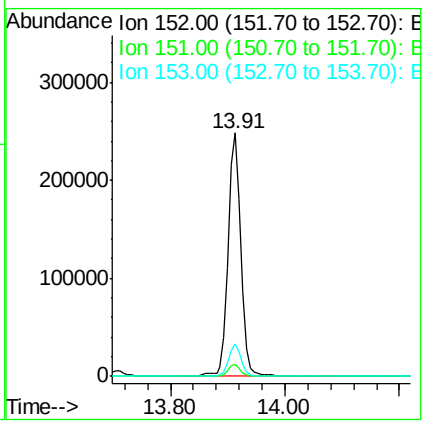




#15
Acenaphthylene
Concen: 4.26 ng
RT: 13.91 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:152 Resp: 372535

Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.8	5.8
153	12.9	10.3	15.5



Instrument :
BNA_E
ClientSampleId :
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Manual Integrations APPROVED
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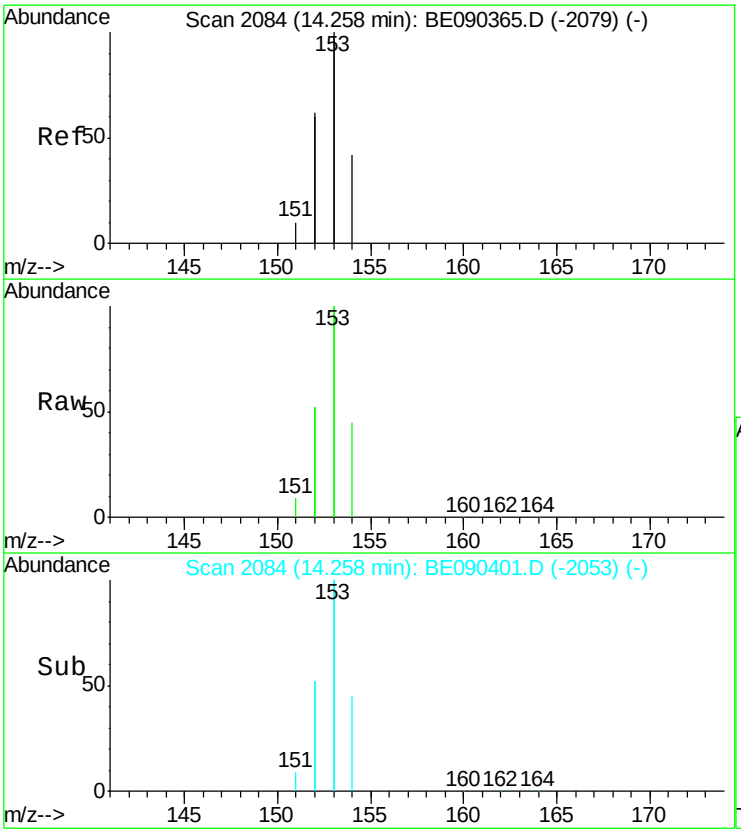
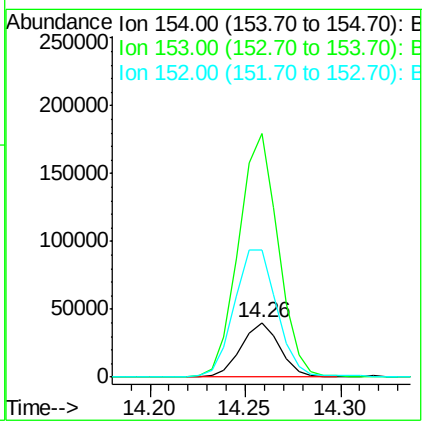
8/10/2015 7:11:27 PM

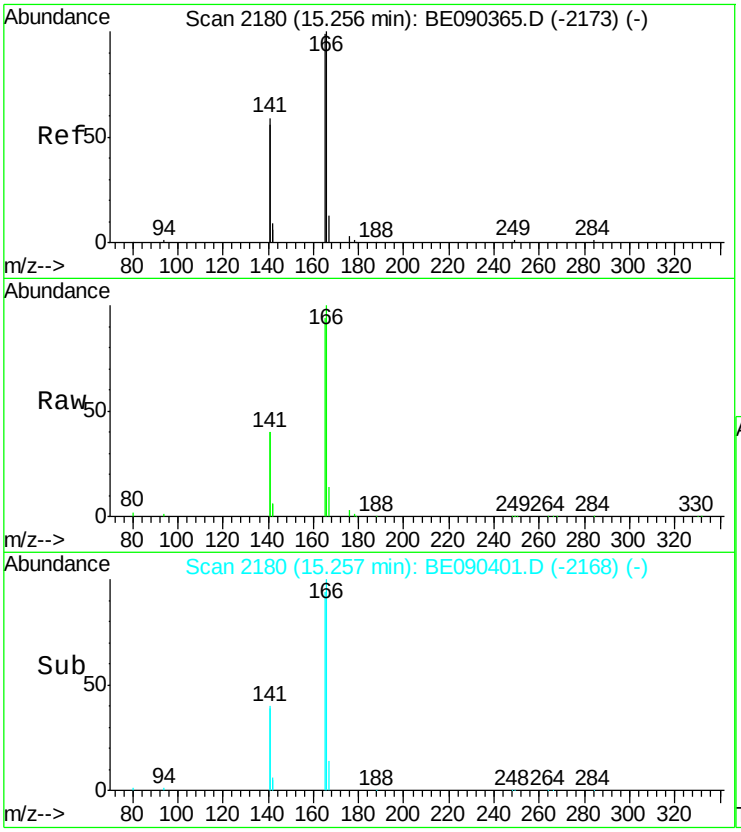


#16
Acenaphthene
Concen: 4.16 ng
RT: 14.26 min Scan# 2084
Delta R.T. 0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:154 Resp: 56468

Ion	Ratio	Lower	Upper
154	100		
153	458.8	376.2	564.2
152	258.5	235.0	352.4





#17
Fluorene
Concen: 4.28 ng
RT: 15.26 min Scan# 2180
Delta R.T. 0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:166 Resp: 75420

Ion	Ratio	Lower	Upper
166	100		
165	99.7	81.5	122.3
167	13.7	11.4	17.0

Instrument :
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ClientSampleId :
PB84793BS

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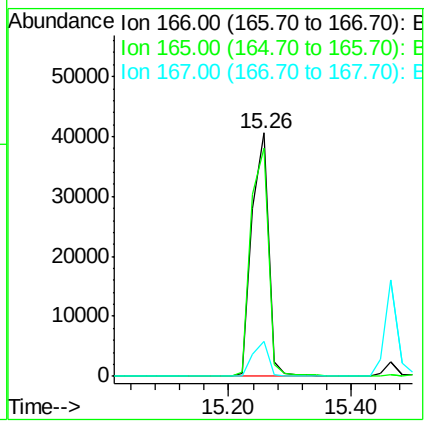
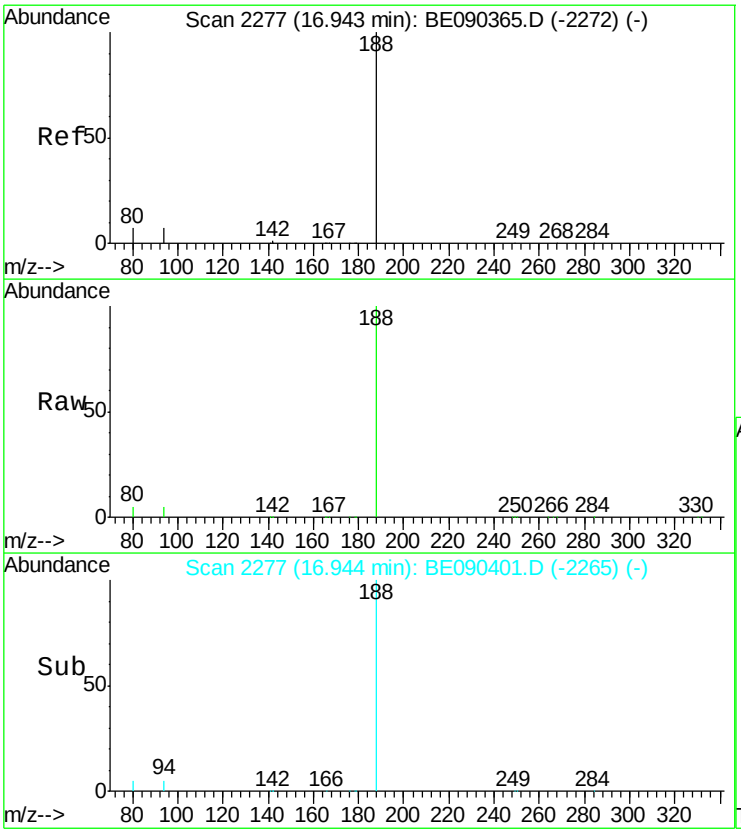
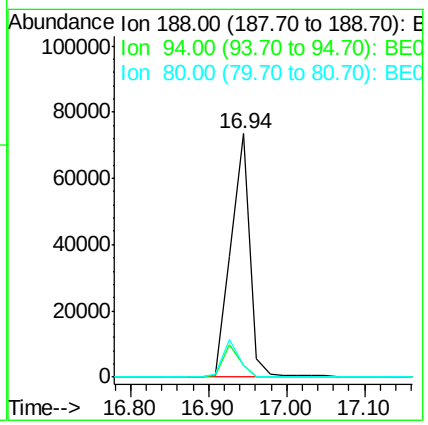


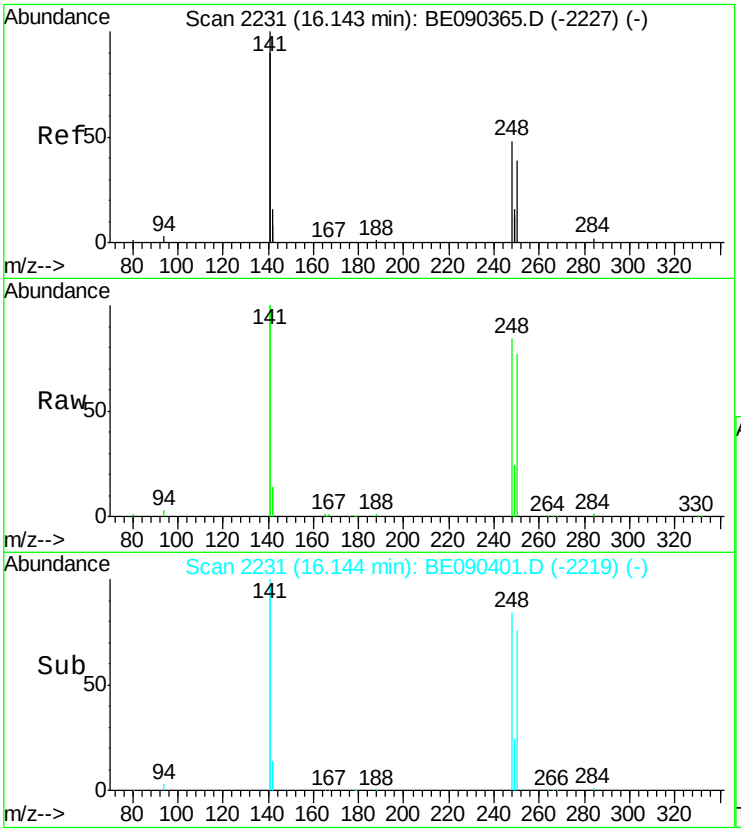


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:188 Resp: 124172

Ion	Ratio	Lower	Upper
188	100		
94	5.1	5.7	8.5#
80	5.1	5.8	8.8#





#19
4-Bromophenyl-phenylether
Concen: 4.36 ng
RT: 16.14 min Scan# 2231
Delta R.T. 0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:248 Resp: 21055

Ion	Ratio	Lower	Upper
248	100		
250	96.3	79.0	118.6
141	309.5	239.5	359.3

Instrument :
BNA_E
ClientSampleId :
PB84793BS

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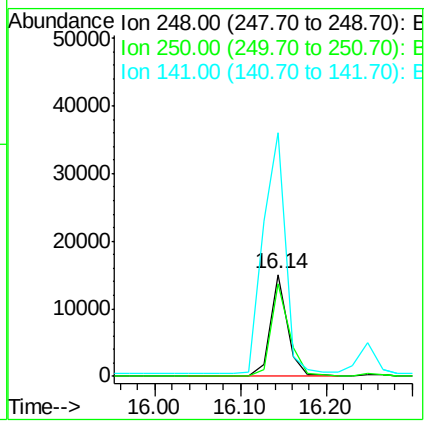
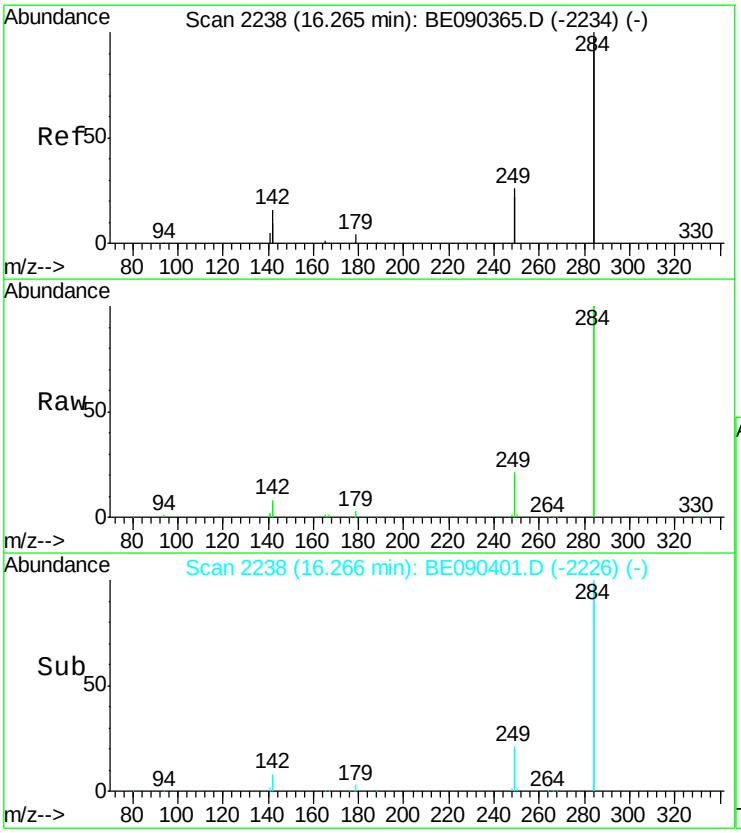
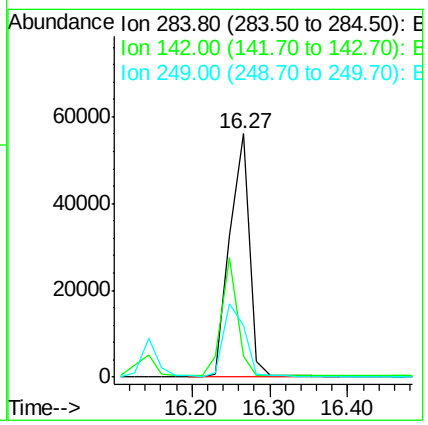


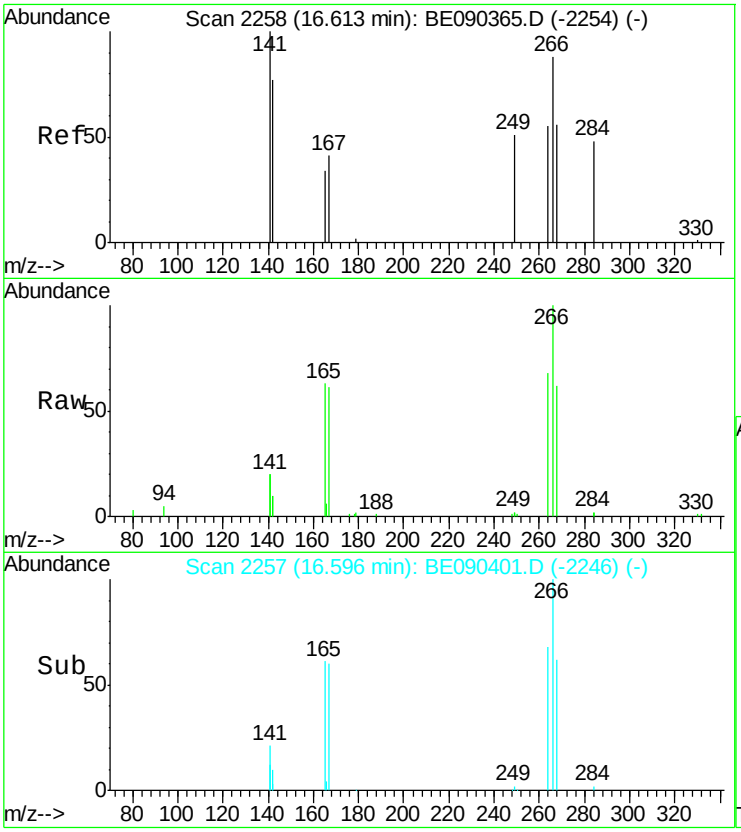


#20
Hexachlorobenzene
Concen: 3.89 ng
RT: 16.27 min Scan# 2238
Delta R.T. 0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:284 Resp: 96987

Ion	Ratio	Lower	Upper
284	100		
142	39.3	30.1	45.1
249	31.8	25.7	38.5

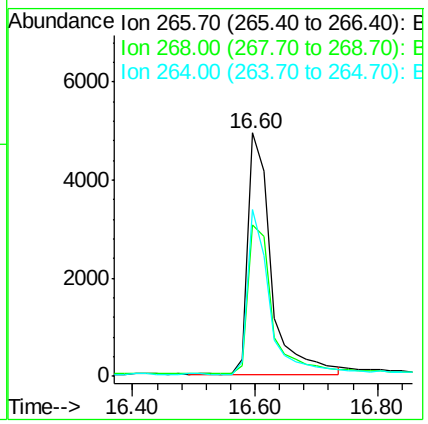




#21
Pentachlorophenol
Concen: 7.05 ng
RT: 16.60 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:266 Resp: 12890

Ion	Ratio	Lower	Upper
266	100		
268	62.0	58.5	87.7
264	68.4	56.0	84.0



Instrument :
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ClientSampleId :
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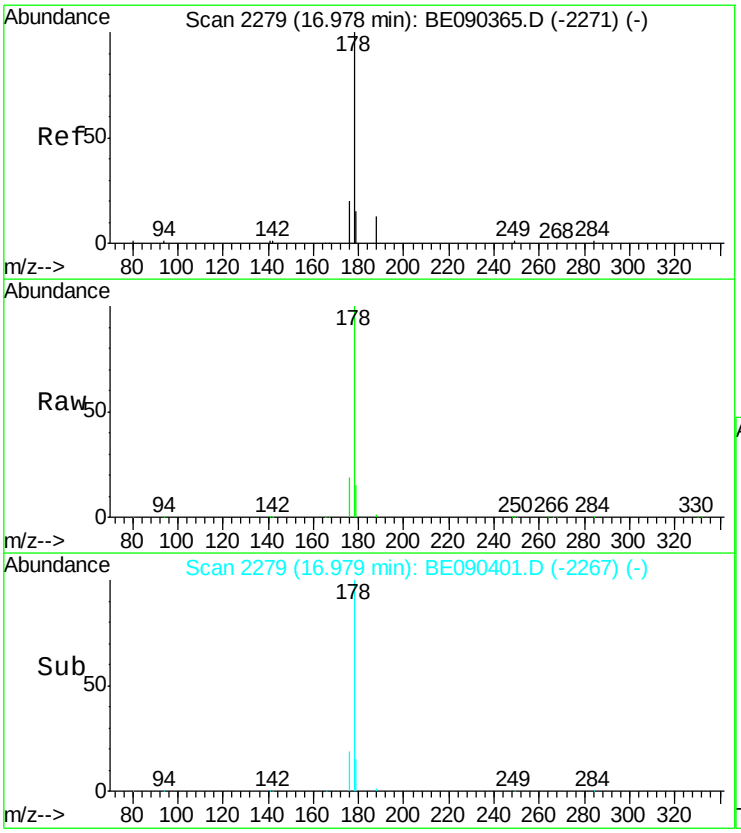
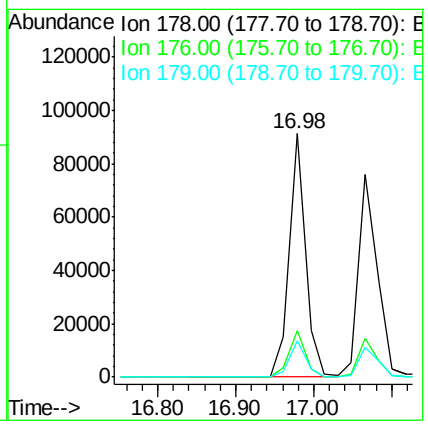
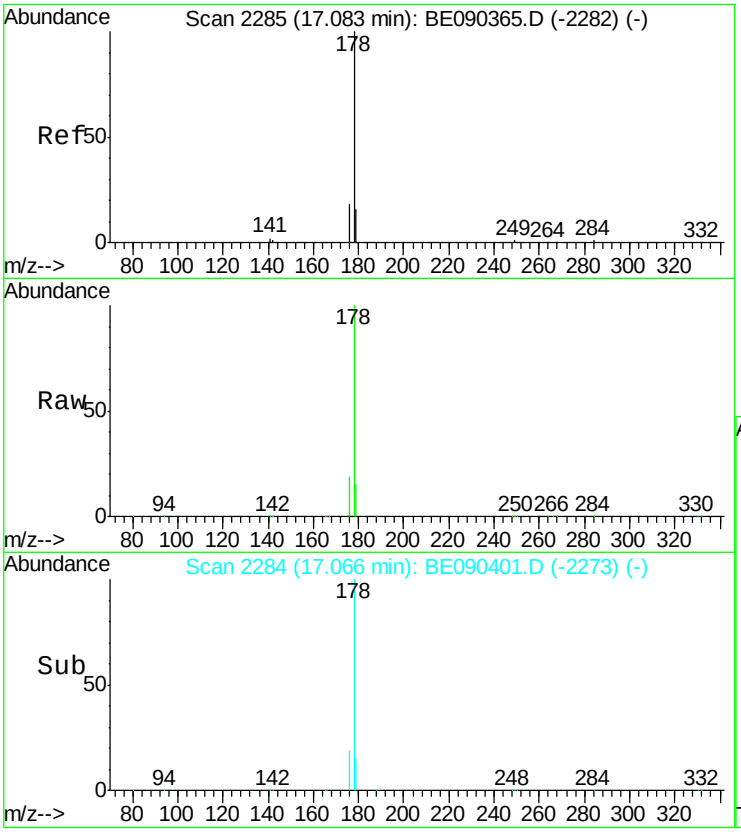


#22
Phenanthrene
Concen: 4.21 ng
RT: 16.98 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:178 Resp: 130953

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.2	12.5	18.7

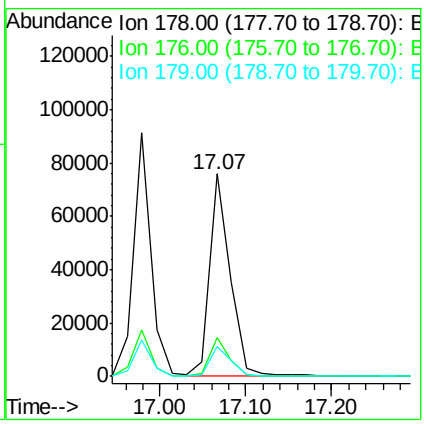




#23
Anthracene
Concen: 4.94 ng
RT: 17.07 min Scan# 2284
Delta R.T. -0.02 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:178 Resp: 126032

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	15.3	12.2	18.4



Instrument :
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ClientSampleId :
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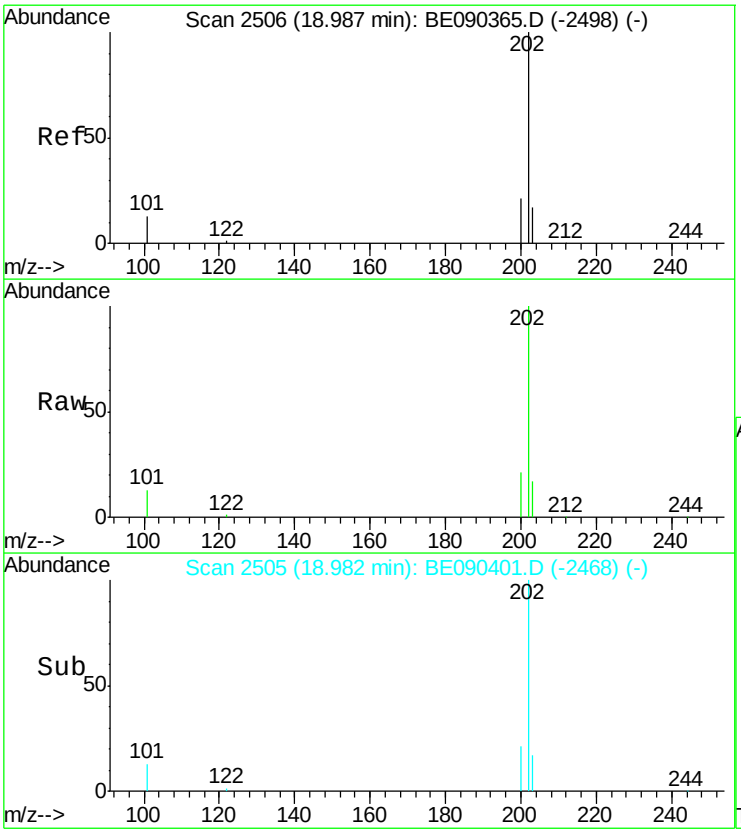
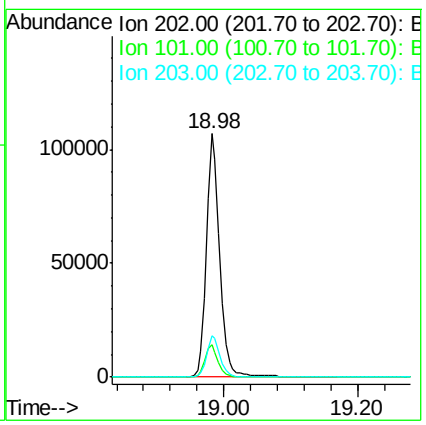
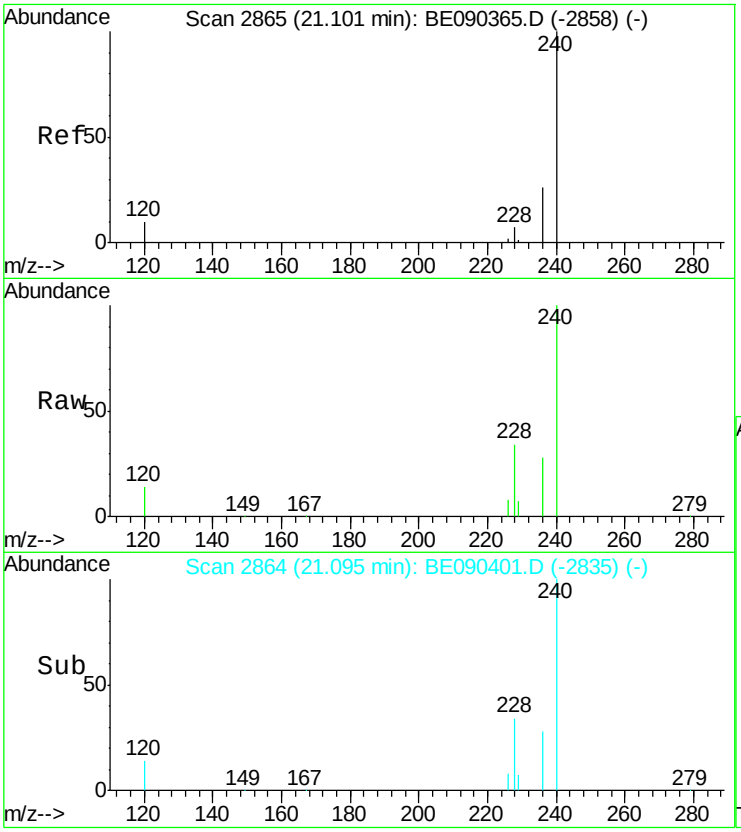


#24
Fluoranthene
Concen: 4.80 ng
RT: 18.98 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:202 Resp: 146826

Ion	Ratio	Lower	Upper
202	100		
101	13.2	10.3	15.5
203	17.2	13.7	20.5





#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.09 min Scan# 2864
Delta R.T. -0.01 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:240 Resp: 160985

Ion	Ratio	Lower	Upper
240	100		
120	14.0	8.3	12.5#
236	27.9	21.0	31.4

Instrument :
BNA_E
ClientSampleId :
PB84793BS

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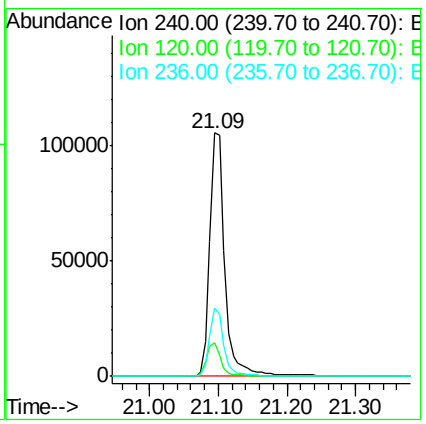
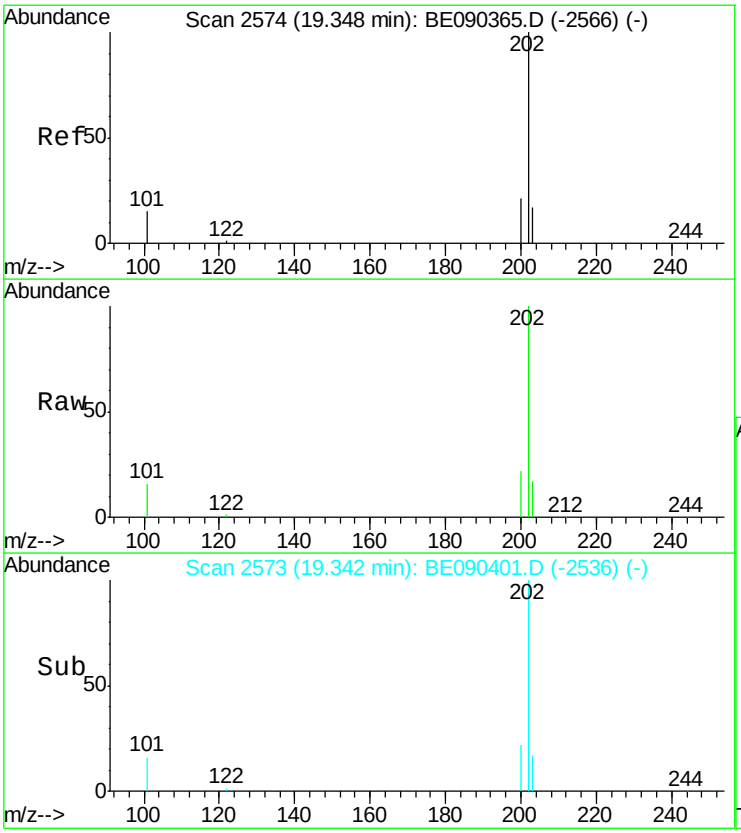
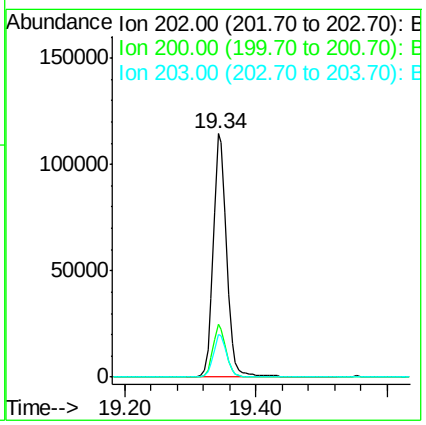


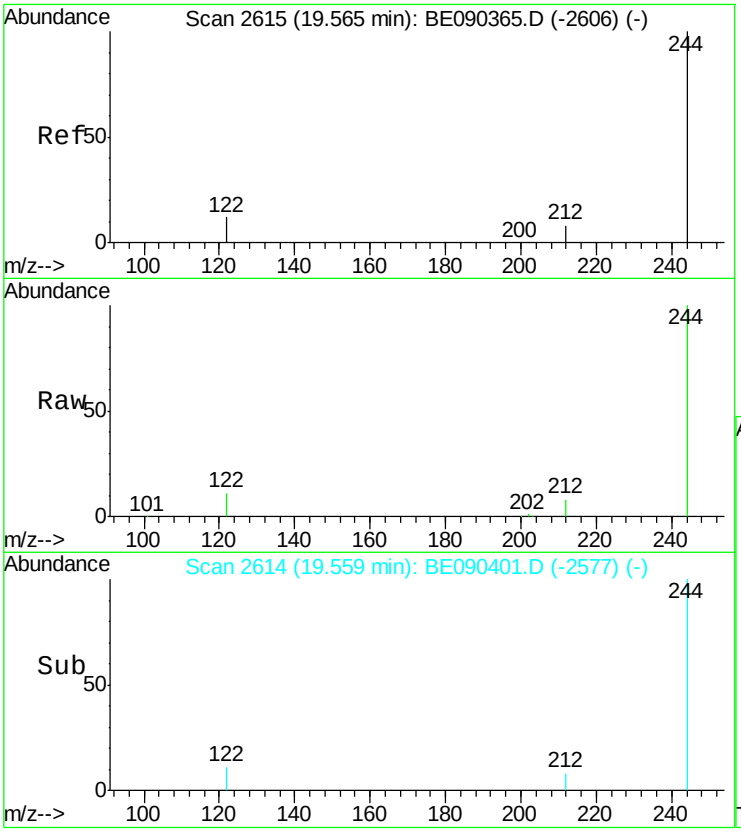


#26
Pyrene
Concen: 4.67 ng
RT: 19.34 min Scan# 2573
Delta R.T. -0.01 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:202 Resp: 162827

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.8	13.8	20.8

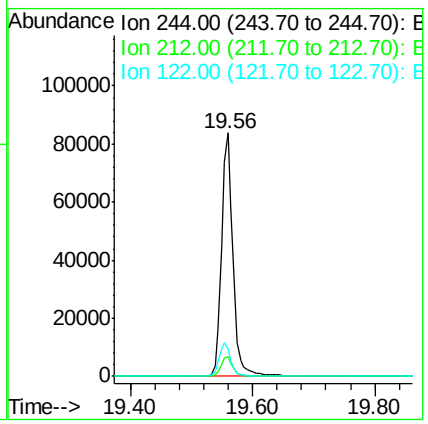




#27
Terphenyl-d14
Concen: 4.61 ng
RT: 19.56 min Scan# 2614
Delta R.T. -0.01 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:244 Resp: 109298

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.6	9.8
122	11.5	10.2	15.4



Instrument :
BNA_E
ClientSampleId :
PB84793BS

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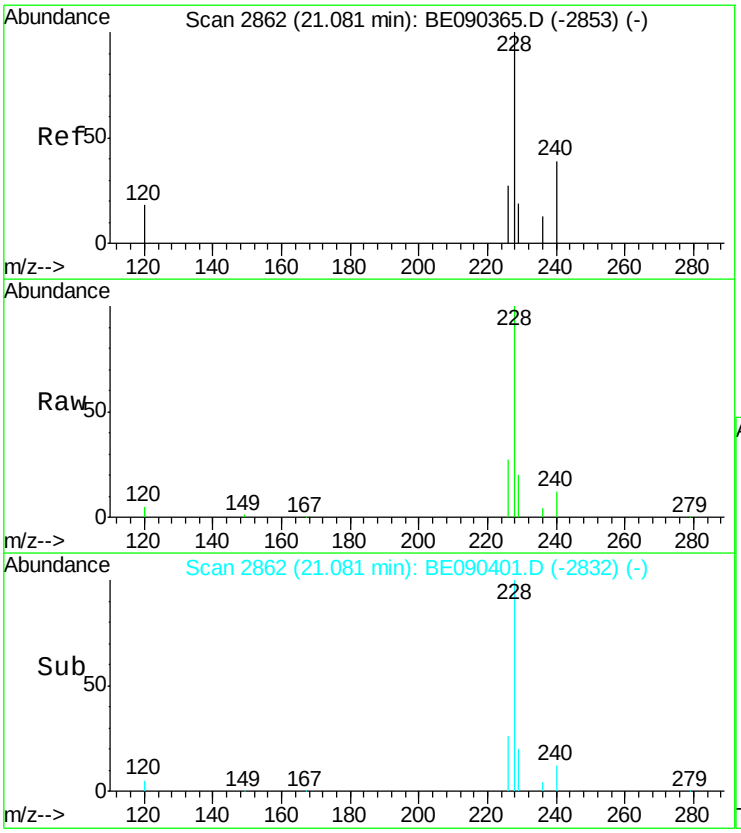
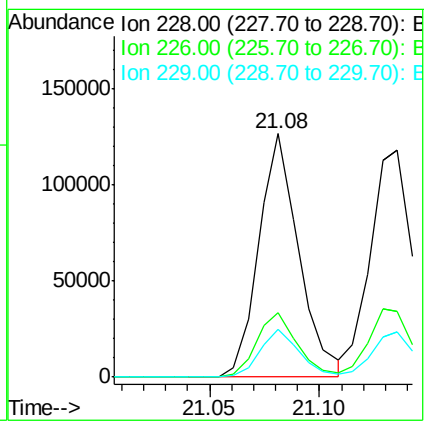
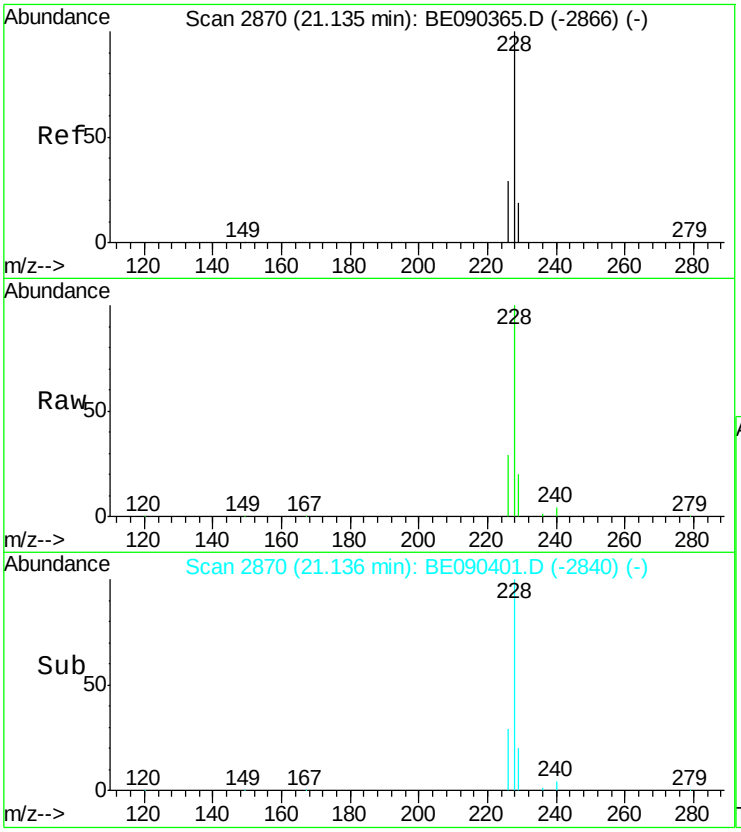


#28
Benzo(a)anthracene
Concen: 4.49 ng
RT: 21.08 min Scan# 2862
Delta R.T. 0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:228 Resp: 160354

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.9	32.9
229	19.8	15.4	23.0

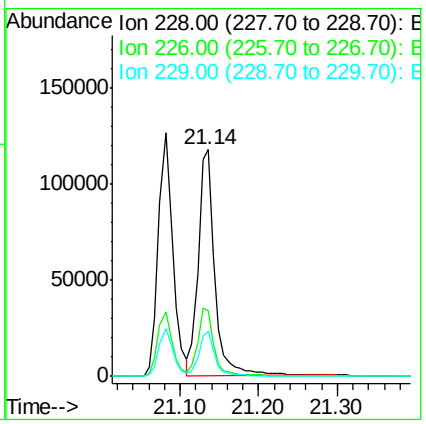




#29
Chrysene
Concen: 4.03 ng
RT: 21.14 min Scan# 2870
Delta R.T. 0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:228 Resp: 173766

Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.1	34.7
229	20.2	15.8	23.8



Instrument :
BNA_E
ClientSampleId :
PB84793BS

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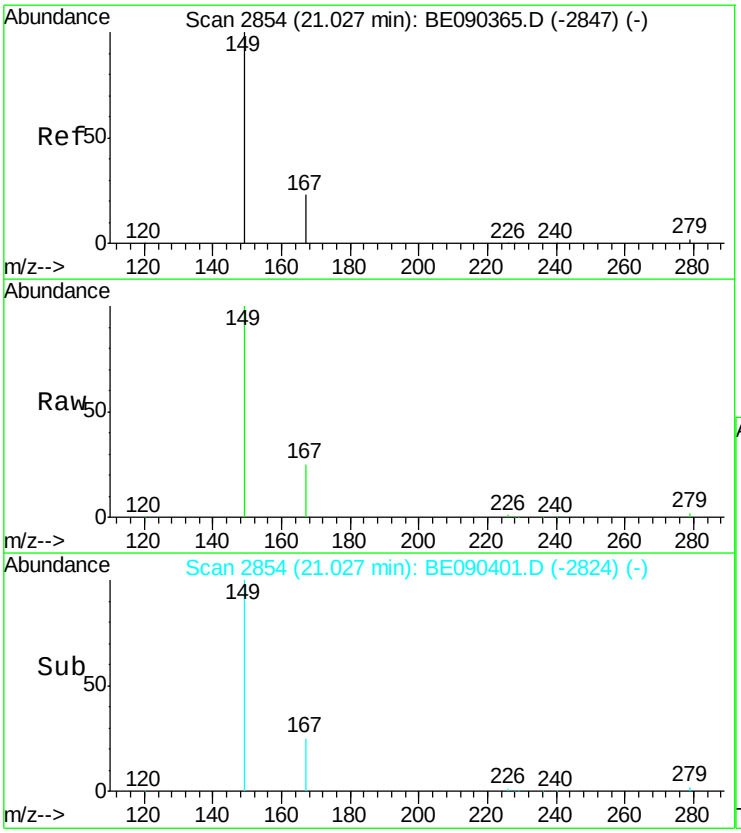
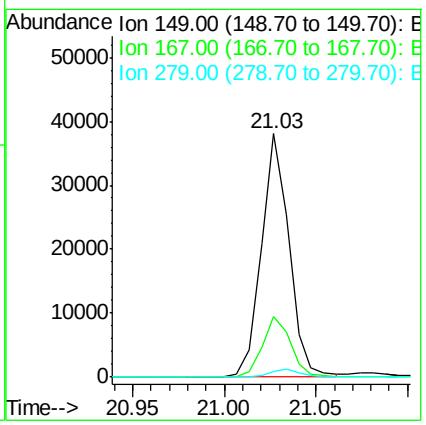
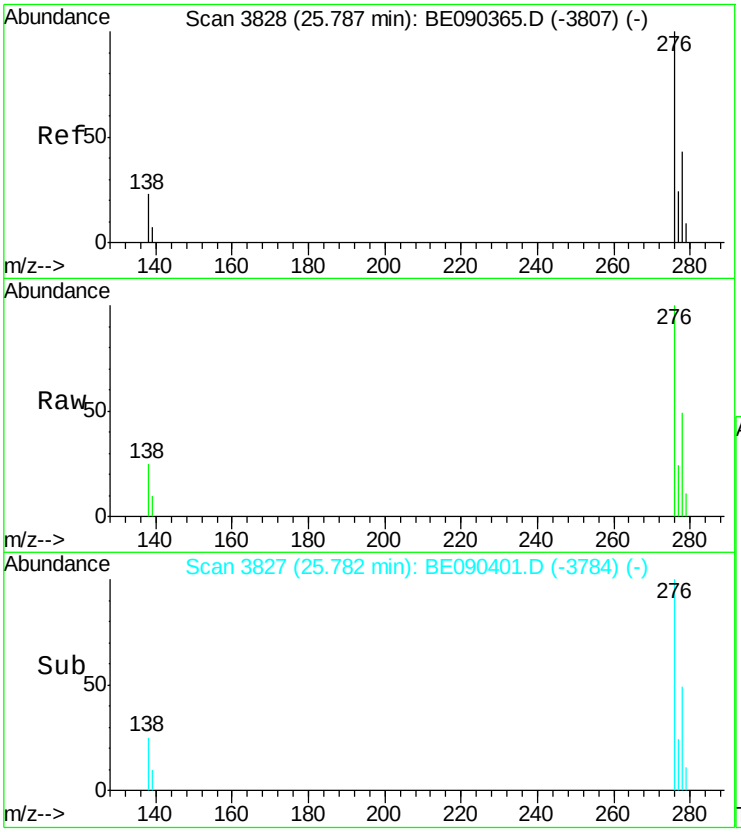


#30
Bis(2-ethylhexyl)phthalate
Concen: 3.50 ng
RT: 21.03 min Scan# 2854
Delta R.T. 0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:149 Resp: 39599

Ion	Ratio	Lower	Upper
149	100		
167	25.4	19.8	29.8
279	3.1	2.4	3.6





#31
Indeno(1,2,3-cd)pyrene
Concen: 3.52 ng
RT: 25.78 min Scan# 3827
Delta R.T. -0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:276 Resp: 133767

Ion	Ratio	Lower	Upper
276	100		
138	26.4	18.8	28.2
277	24.8	18.2	27.4

Instrument :
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ClientSampleId :
PB84793BS

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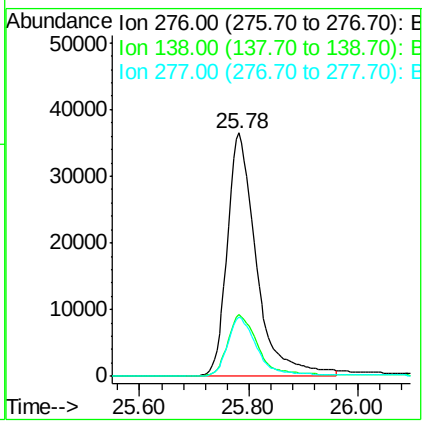
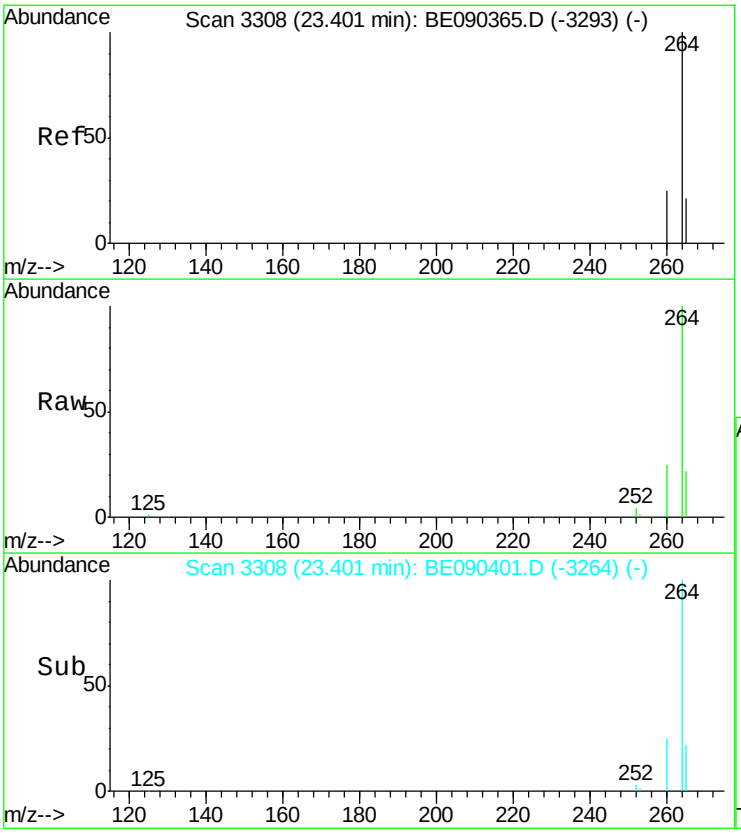
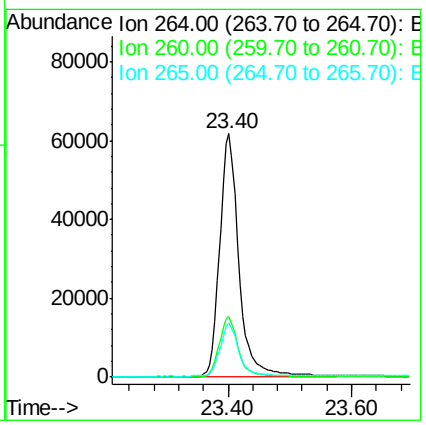


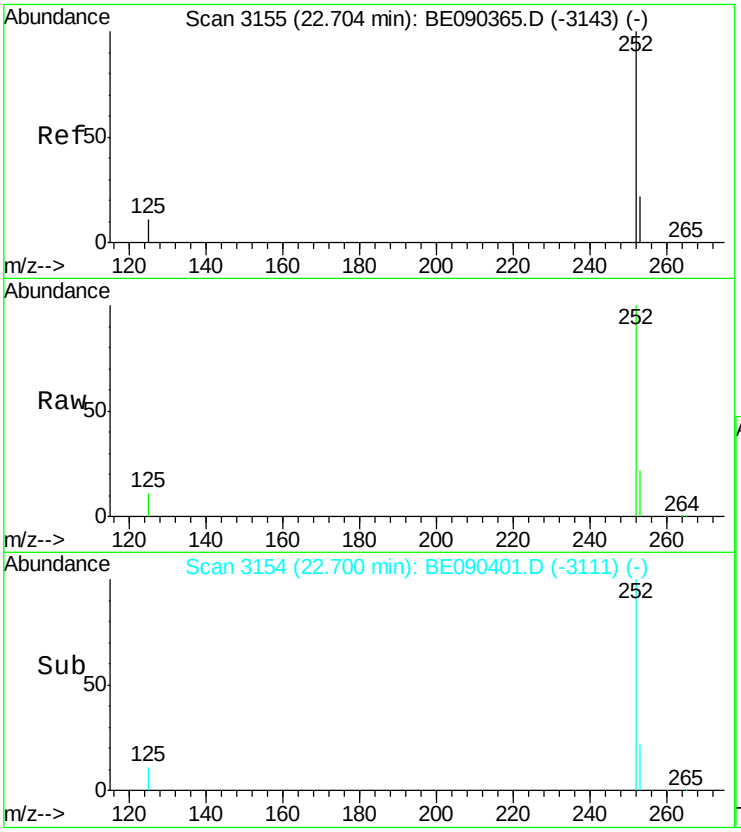


#32
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 3308
Delta R.T. 0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:264 Resp: 134020

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.1	30.1
265	22.1	17.2	25.8





#33
Benzo(b)fluoranthene
Concen: 4.28 ng
RT: 22.70 min Scan# 3154
Delta R.T. -0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:252 Resp: 128816

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	10.9	9.4	14.2

Instrument :
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ClientSampleId :
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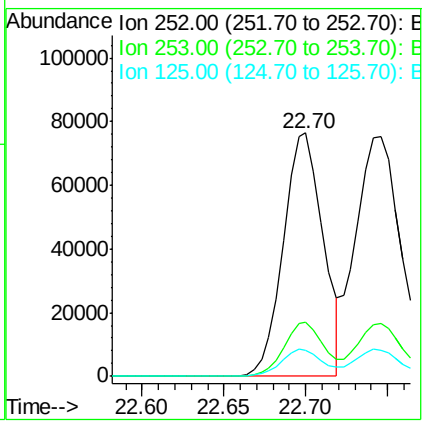
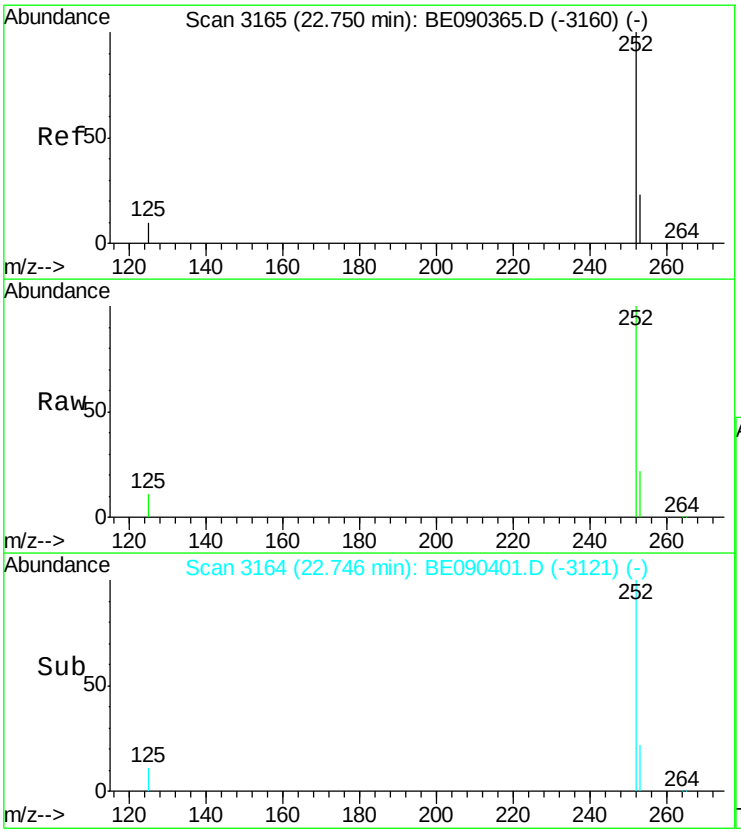
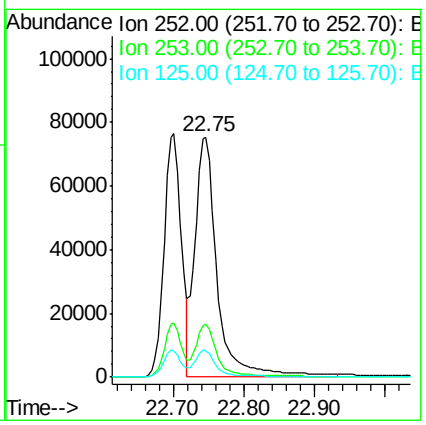


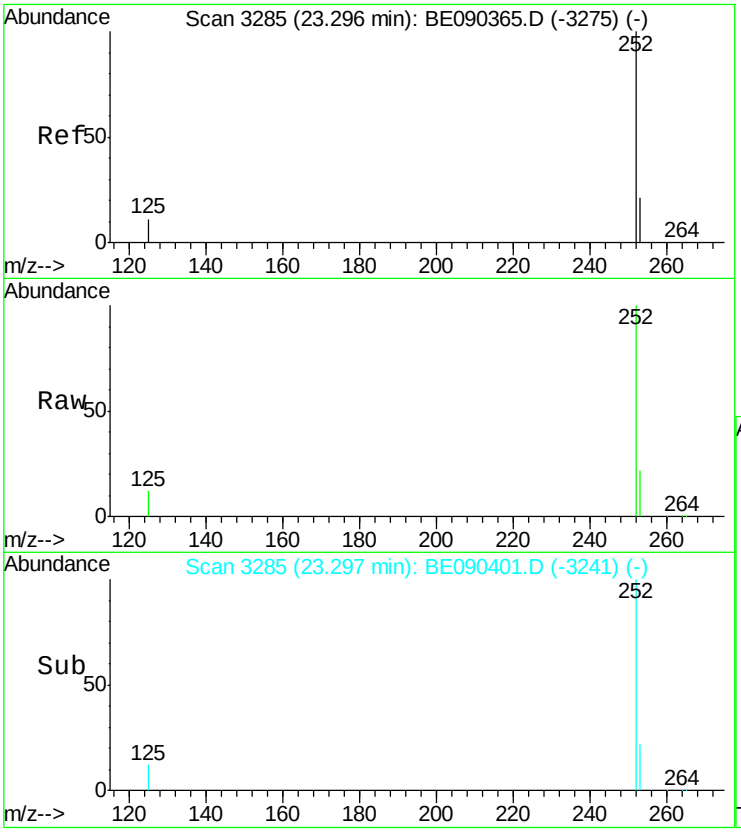


#34
Benzo(k)fluoranthene
Concen: 4.43 ng m
RT: 22.75 min Scan# 3164
Delta R.T. -0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:252 Resp: 165480

Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	11.0	9.1	13.7

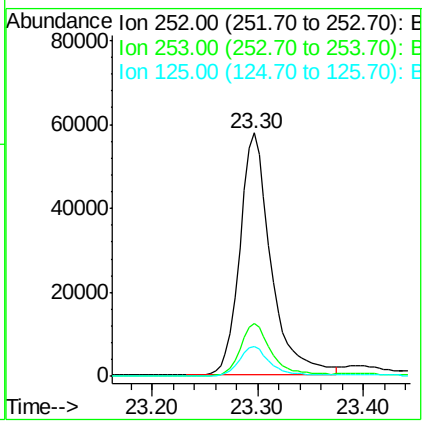




#35
Benzo(a)pyrene
Concen: 4.18 ng
RT: 23.30 min Scan# 3285
Delta R.T. 0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:252 Resp: 118739

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	12.2	9.8	14.6



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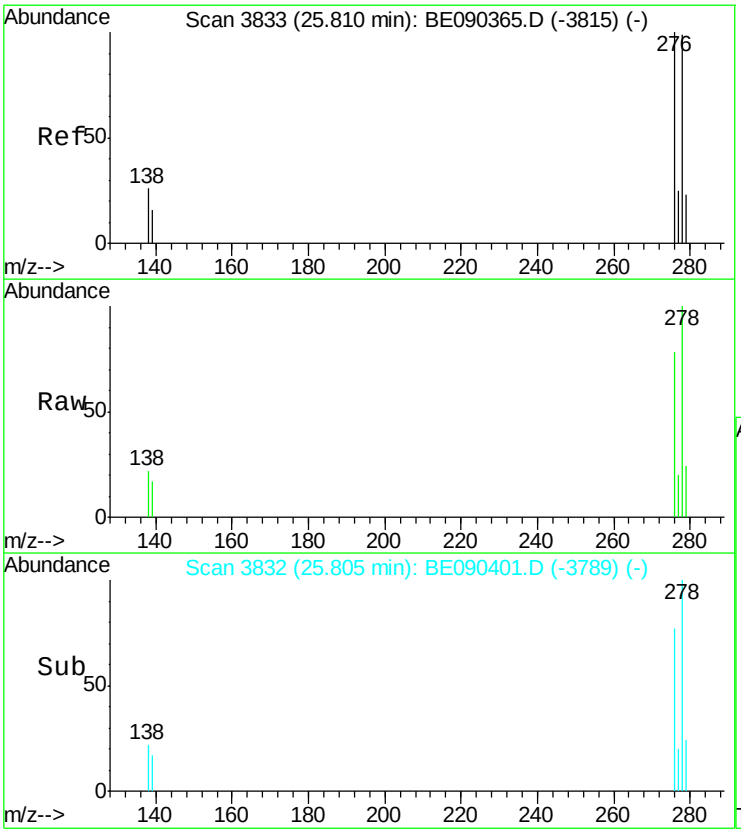
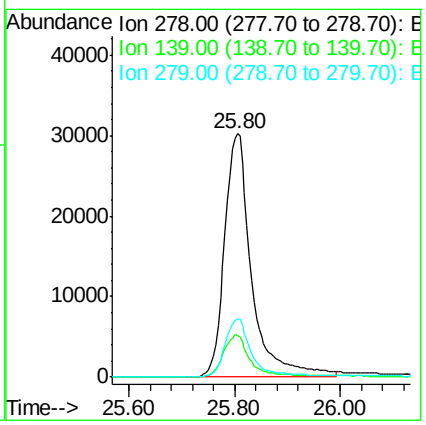
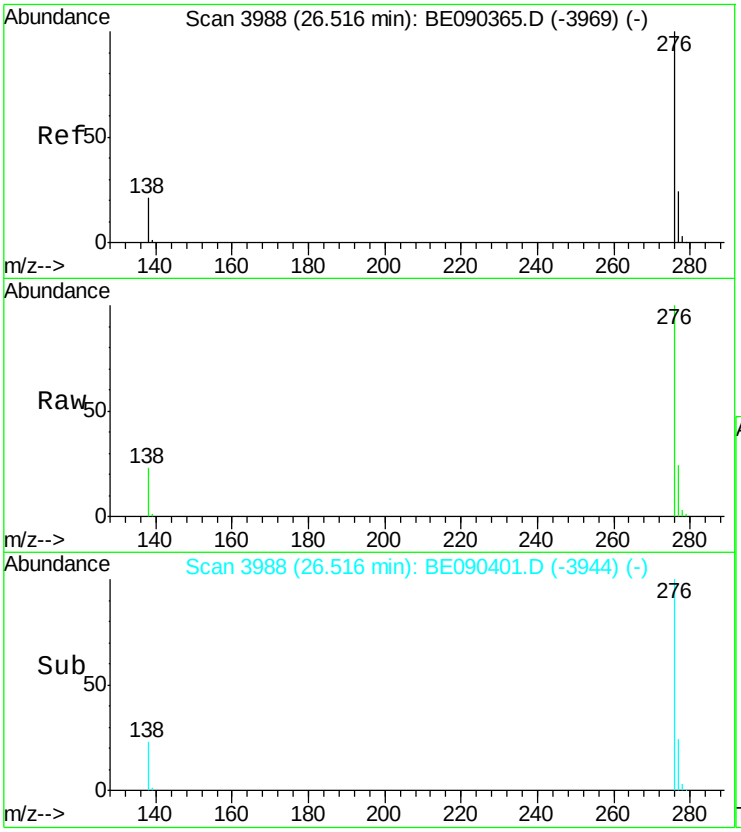


#36
Dibenzo(a,h)anthracene
Concen: 3.87 ng
RT: 25.80 min Scan# 3832
Delta R.T. -0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:278 Resp: 106754

Ion	Ratio	Lower	Upper
278	100		
139	17.1	14.2	21.4
279	24.1	20.1	30.1

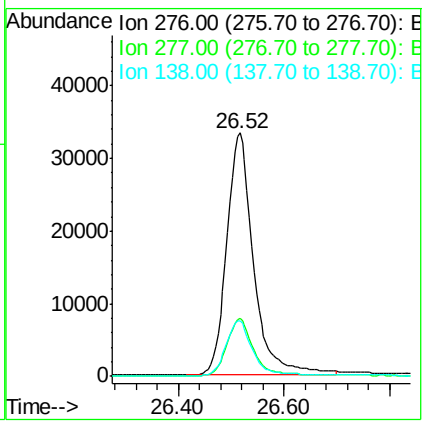




#37
Benzo(g,h,i)perylene
Concen: 4.75 ng
RT: 26.52 min Scan# 3988
Delta R.T. -0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion:276 Resp: 117599

Ion	Ratio	Lower	Upper
276	100		
277	23.9	20.1	30.1
138	22.9	18.1	27.1



Instrument :
BNA_E
ClientSampleId :
PB84793BS

Manual Integrations APPROVED
MMDadoda
8/10/2015 7:11:27 PM