Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080715\
Data File : BE090400.D
Acq On : 7 Aug 2015 16:40
Operator : TP/UM
Sample : PB84826BSD
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB84826BSD

Manual Integrations APPROVED
MMDadoda
8/10/2015 7:11:20 PM

Quant Time: Aug 07 23:53:49 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	22856	5.00	ng		0.00
6) Naphthalene-d8	10.34	136	107073	5.00	ng		0.00
12) Acenaphthene-d10	14.20	164	61862	5.00	ng		0.00
18) Phenanthrene-d10	16.94	188	143379	5.00	ng		0.00
25) Chrysene-d12	21.10	240	181522	5.00	ng		0.00
32) Perylene-d12	23.40	264	151313	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.22	112	27415	7.99	ng		0.00
5) Phenol-d6	6.76	99	48237	6.53	ng		-0.01
7) Nitrobenzene-d5	8.72	82	33312	3.87	ng		-0.01
13) 2,4,6-Tribromophenol	15.69	330	9935	5.98	ng		-0.02
14) 2-Fluorobiphenyl	12.82	172	75255	4.42	ng		0.00
27) Terphenyl-d14	19.55	244	124807	4.67	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.20	88	11349	4.19	ng		99
3) n-Nitrosodimethylamine	3.49	42	14805	4.19	ng	#	92
8) Nitrobenzene	8.77	77	35037	3.81	ng		97
9) Naphthalene	10.38	128	92741	3.92	ng		99
10) Hexachlorobutadiene	10.69	225	15493	4.32	ng		100
11) 2-Methylnaphthalene	12.00	142	60169	4.39	ng		99
15) Acenaphthylene	13.91	152	424638	4.24	ng		100
16) Acenaphthene	14.26	154	63798	4.10	ng		92
17) Fluorene	15.26	166	87264	4.31	ng		97
19) 4-Bromophenyl-phenylether	16.14	248	24427	4.38	ng		98
20) Hexachlorobenzene	16.27	284	111087	3.86	ng		99
21) Pentachlorophenol	16.60	266	15364	7.19	ng		91
22) Phenanthrene	16.98	178	152016	4.24	ng		99
23) Anthracene	17.07	178	145077	4.92	ng		100
24) Fluoranthene	18.98	202	167434	4.74	ng		100
26) Pyrene	19.34	202	185470	4.71	ng		99
28) Benzo(a)anthracene	21.08	228	181737	4.52	ng		99
29) Chrysene	21.14	228	198725	4.09	ng		99
30) Bis(2-ethylhexyl)phthalate	21.03	149	47002	3.63	ng		99
31) Indeno(1,2,3-cd)pyrene	25.79	276	150520	3.51	ng		95
33) Benzo(b)fluoranthene	22.70	252	146439	4.31	ng		98
34) Benzo(k)fluoranthene	22.75	252	193186m	4.58	ng		
35) Benzo(a)pyrene	23.30	252	133862	4.18	ng		100
36) Dibenzo(a,h)anthracene	25.80	278	120058	3.86	ng		98
37) Benzo(g,h,i)perylene	26.51	276	132090	4.73	ng		98

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

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Operator : TP/UM
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Misc :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 06 12:28:08 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
PB84826BSD

Manual Integrations APPROVED
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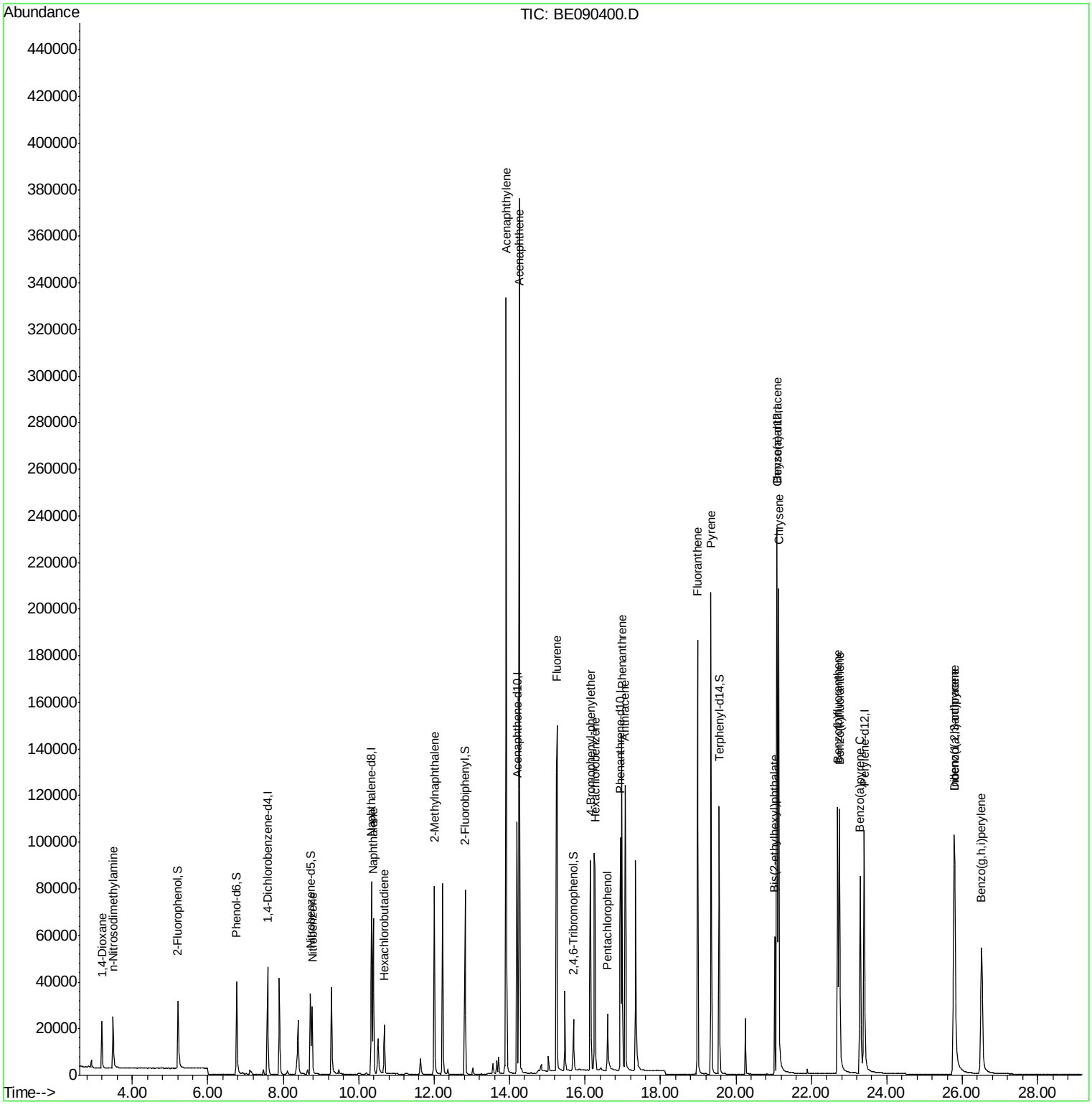
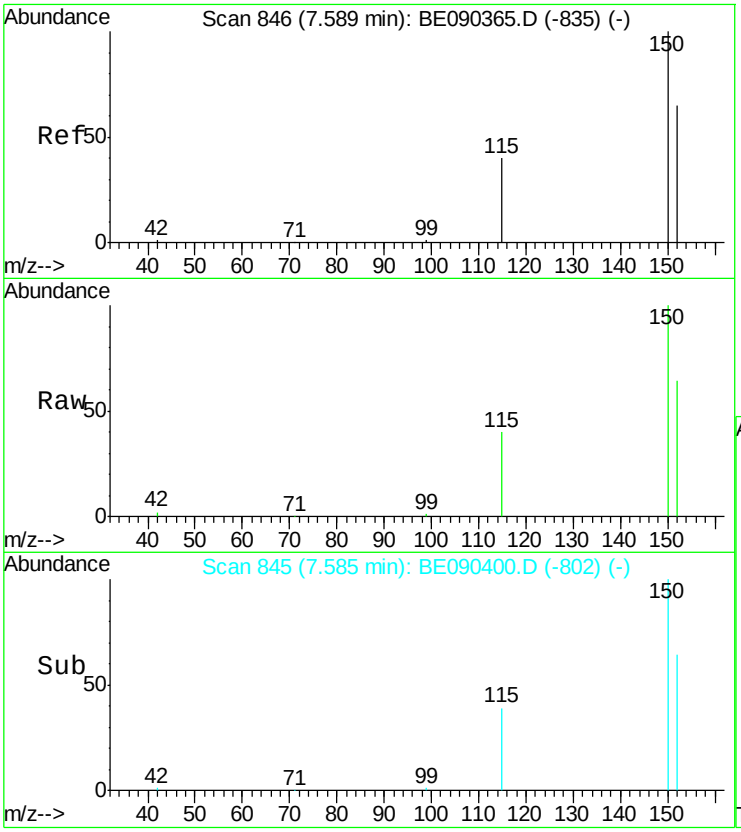
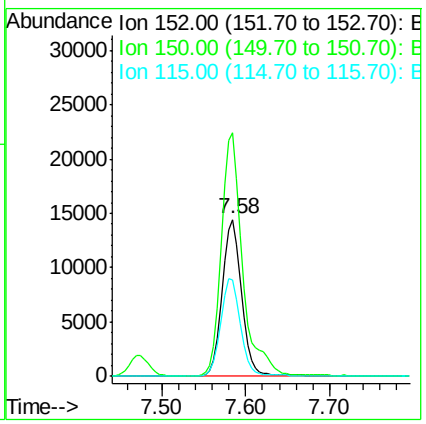




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 845
Delta R.T. -0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:152 Resp: 22856

Ion	Ratio	Lower	Upper
152	100		
150	155.4	123.0	184.4
115	61.5	48.9	73.3



Instrument :
BNA_E
ClientSampleId :
PB84826BSD

Manual Integrations APPROVED
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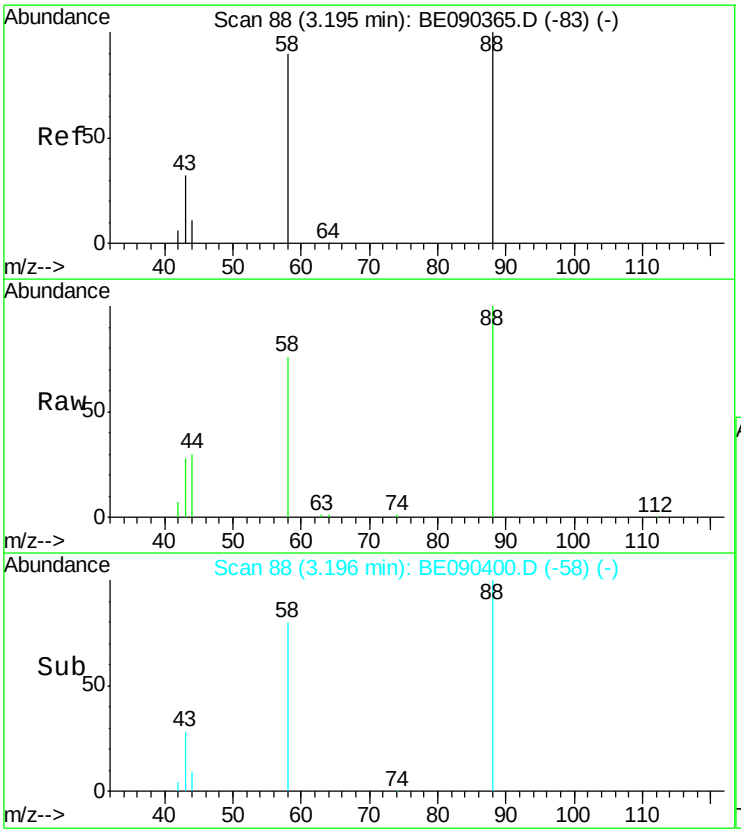
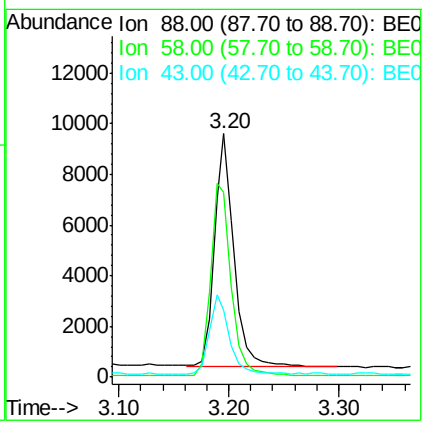
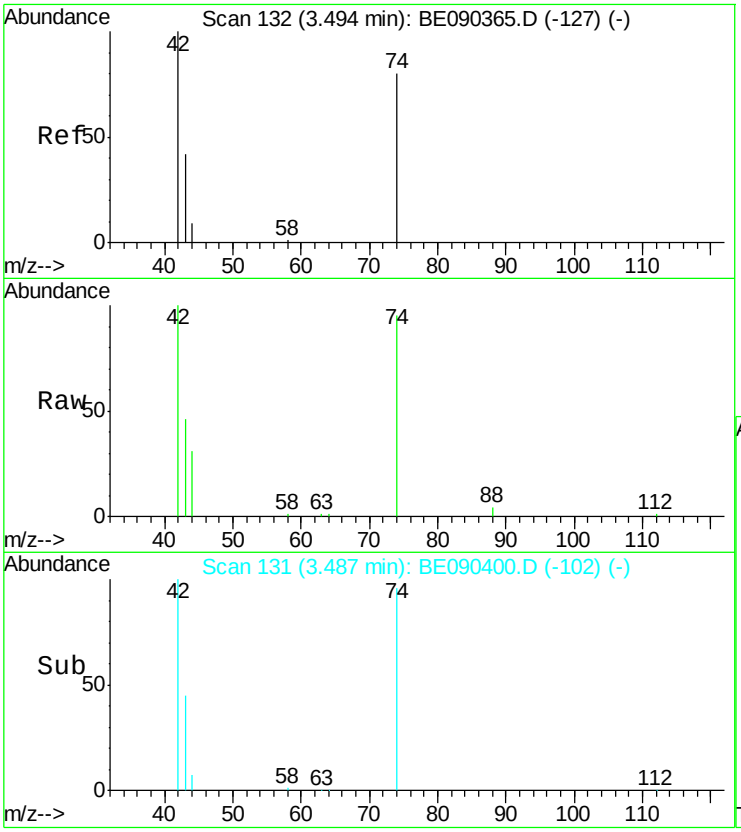


#2
1,4-Dioxane
Concen: 4.19 ng
RT: 3.20 min Scan# 88
Delta R.T. 0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion: 88 Resp: 11349

Ion	Ratio	Lower	Upper
88	100		
58	87.9	70.0	105.0
43	34.0	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: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion: 42 Resp: 14805

Ion	Ratio	Lower	Upper
42	100		
74	101.9	75.2	112.8
44	7.1	8.7	13.1#

Instrument :
BNA_E
ClientSampleId :
PB84826BSD

Manual Integrations APPROVED
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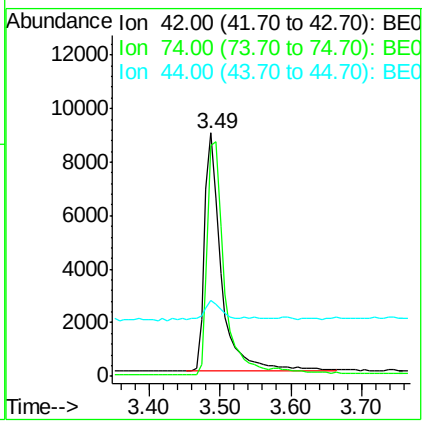
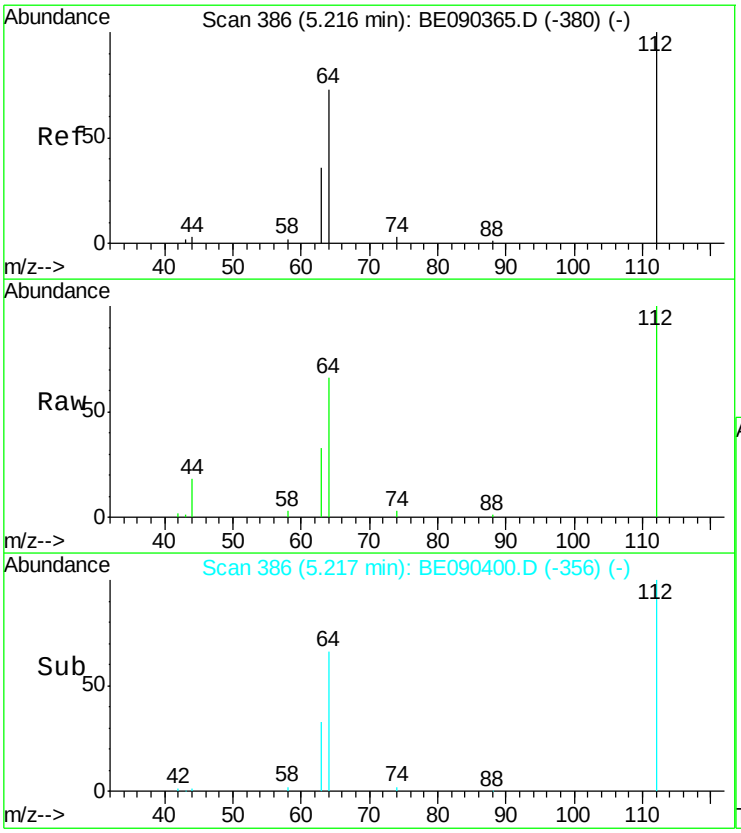
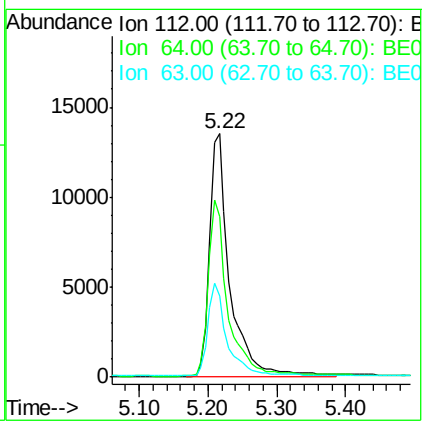


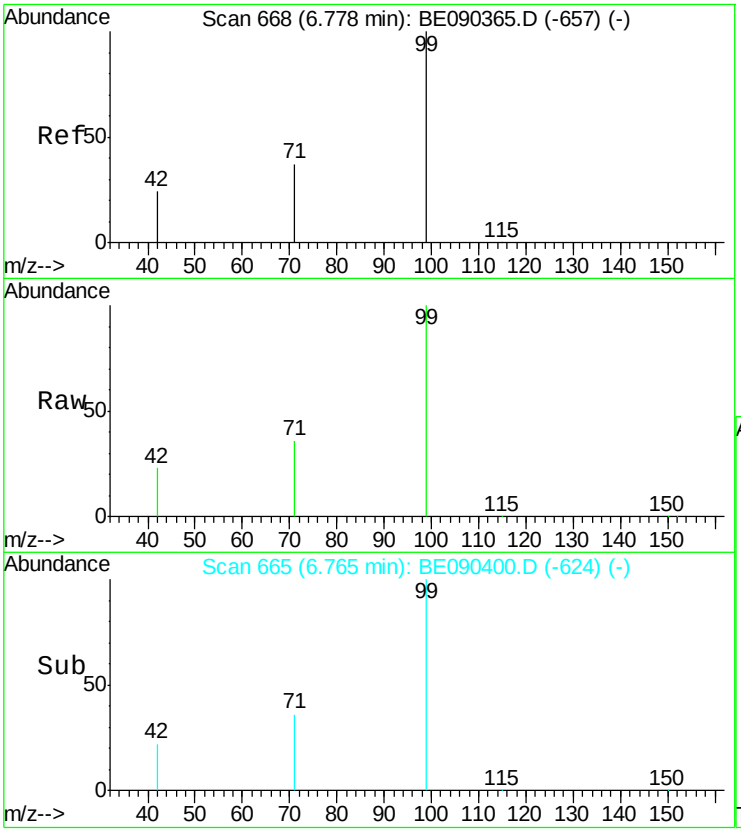


#4
2-Fluorophenol
Concen: 7.99 ng
RT: 5.22 min Scan# 386
Delta R.T. 0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:112 Resp: 27415

Ion	Ratio	Lower	Upper
112	100		
64	71.0	37.1	55.7#
63	37.2	19.5	29.3#

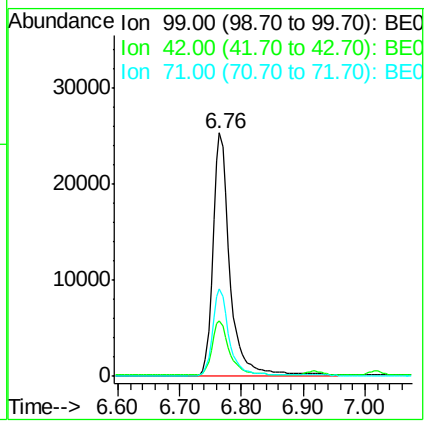




#5
Phenol-d6
Concen: 6.53 ng
RT: 6.76 min Scan# 665
Delta R.T. -0.01 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion: 99 Resp: 48237

Ion	Ratio	Lower	Upper
99	100		
42	23.3	18.2	27.4
71	35.4	27.4	41.0



Instrument :
BNA_E
ClientSampleId :
PB84826BSD

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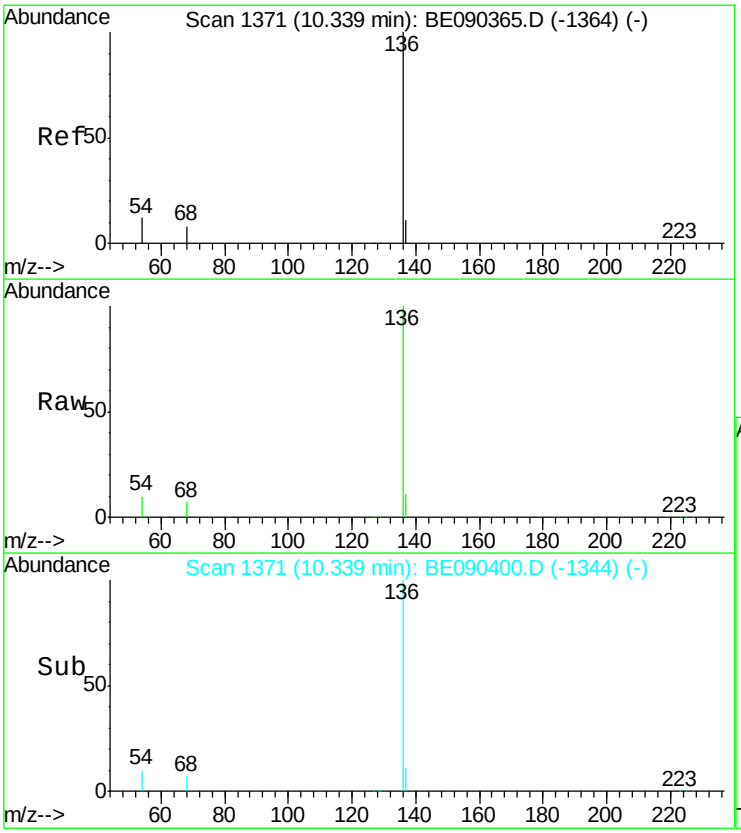
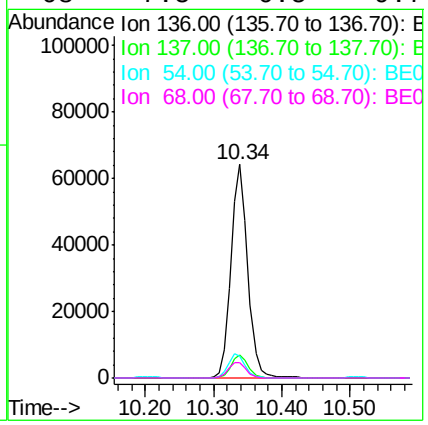
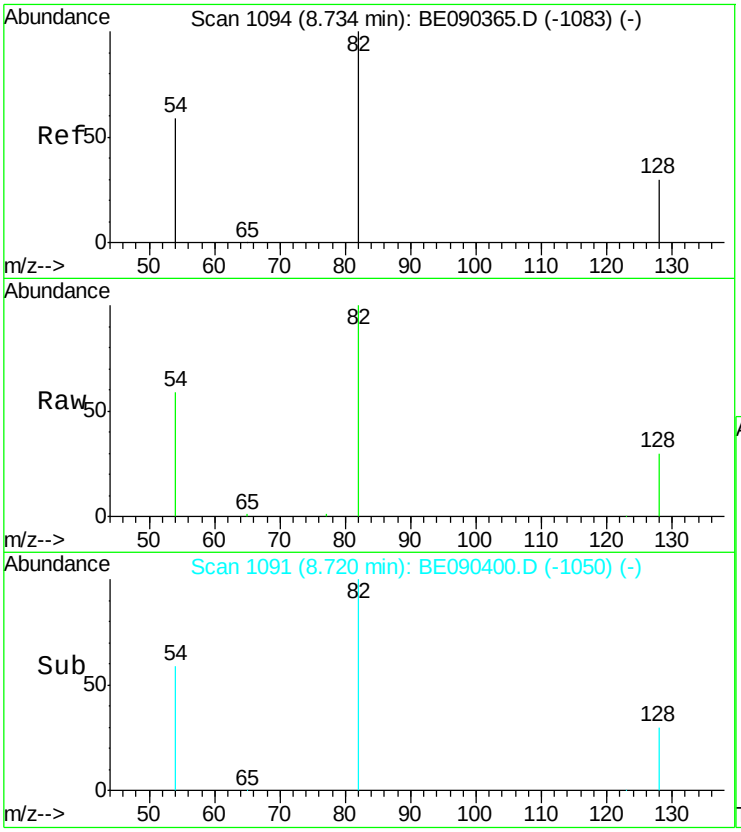


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.34 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:136 Resp: 107073

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	10.5	9.4	14.0
68	7.5	6.5	9.7

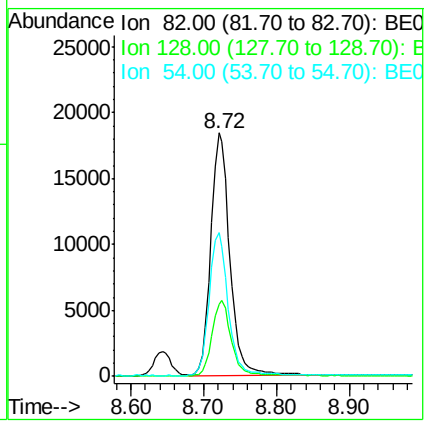




#7
Nitrobenzene-d5
Concen: 3.87 ng
RT: 8.72 min Scan# 1091
Delta R.T. -0.01 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion: 82 Resp: 33312

Ion	Ratio	Lower	Upper
82	100		
128	29.8	25.0	37.6
54	58.8	48.8	73.2



Instrument :
BNA_E
ClientSampleId :
PB84826BSD

Manual Integrations APPROVED
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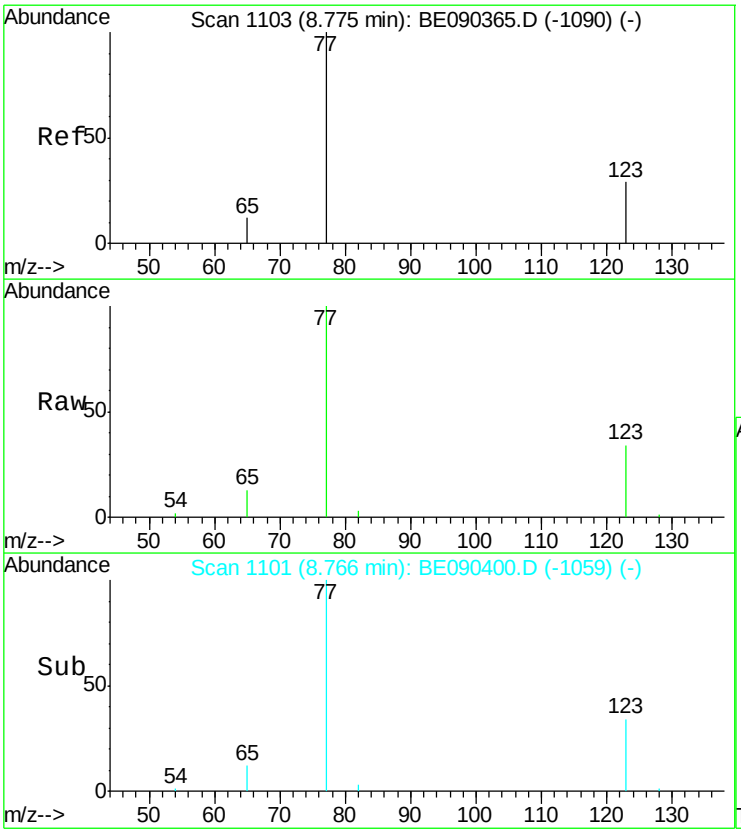
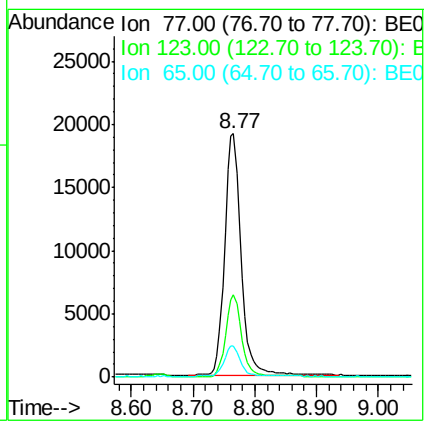
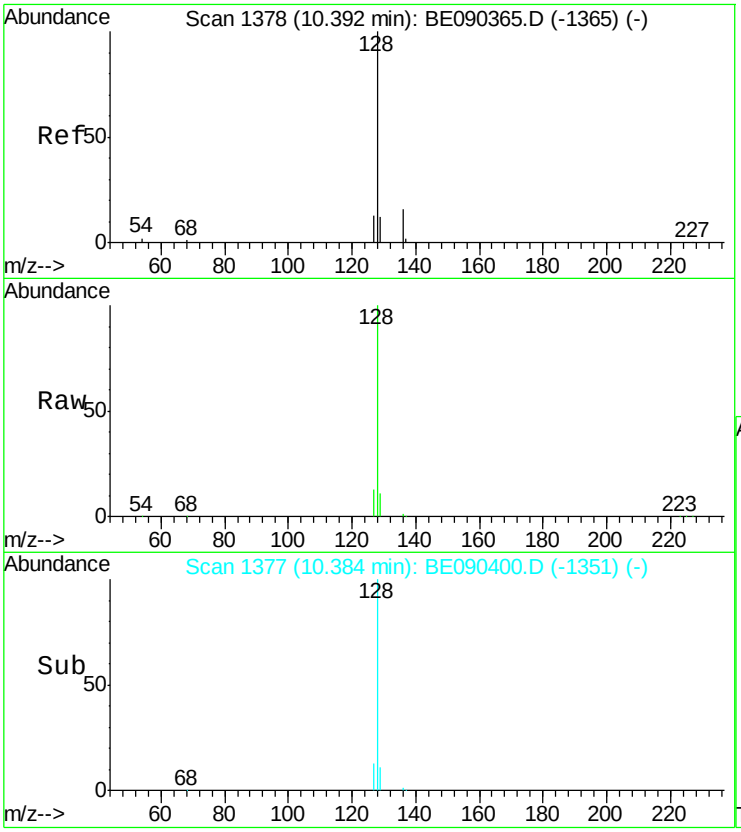


#8
Nitrobenzene
Concen: 3.81 ng
RT: 8.77 min Scan# 1101
Delta R.T. -0.01 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion: 77 Resp: 35037

Ion	Ratio	Lower	Upper
77	100		
123	33.0	25.1	37.7
65	12.4	9.3	13.9

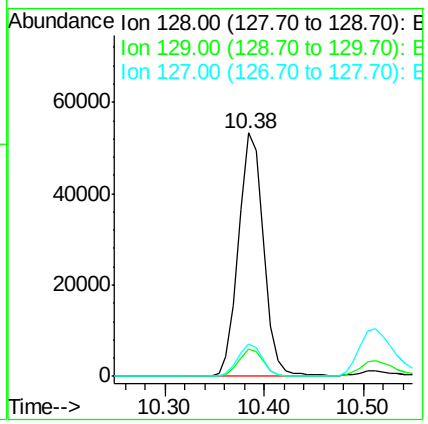




#9
Naphthalene
Concen: 3.92 ng
RT: 10.38 min Scan# 1377
Delta R.T. -0.01 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:128 Resp: 92741

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.8	14.6
127	13.2	10.6	16.0



Instrument :
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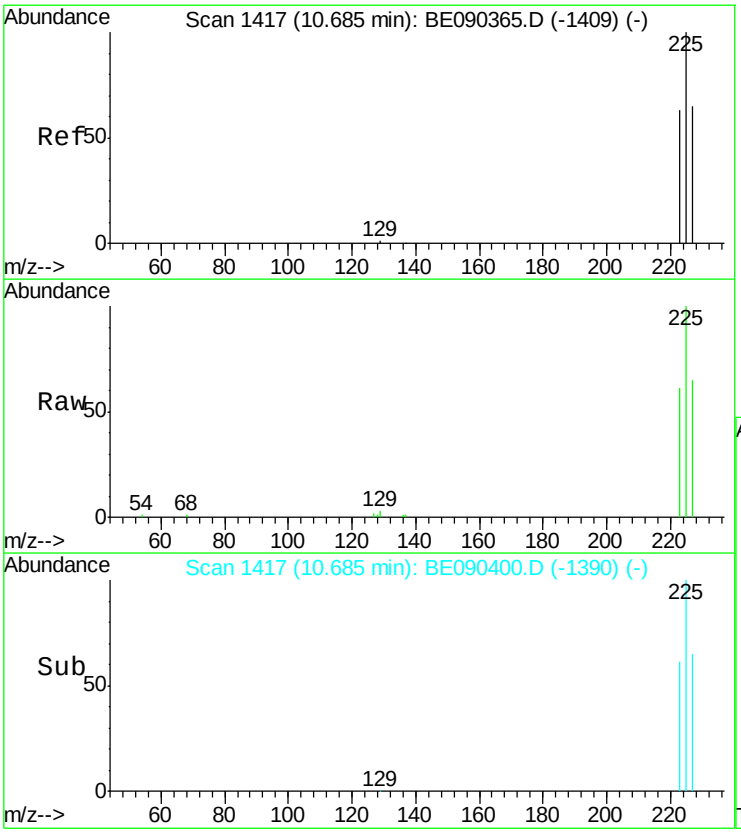
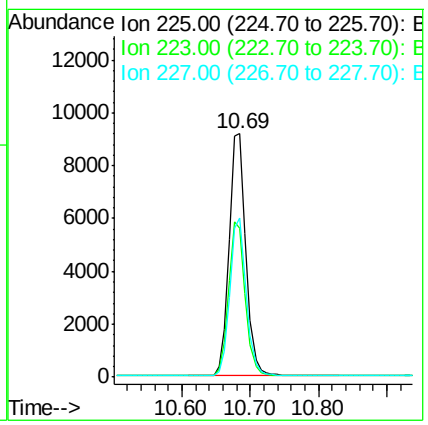
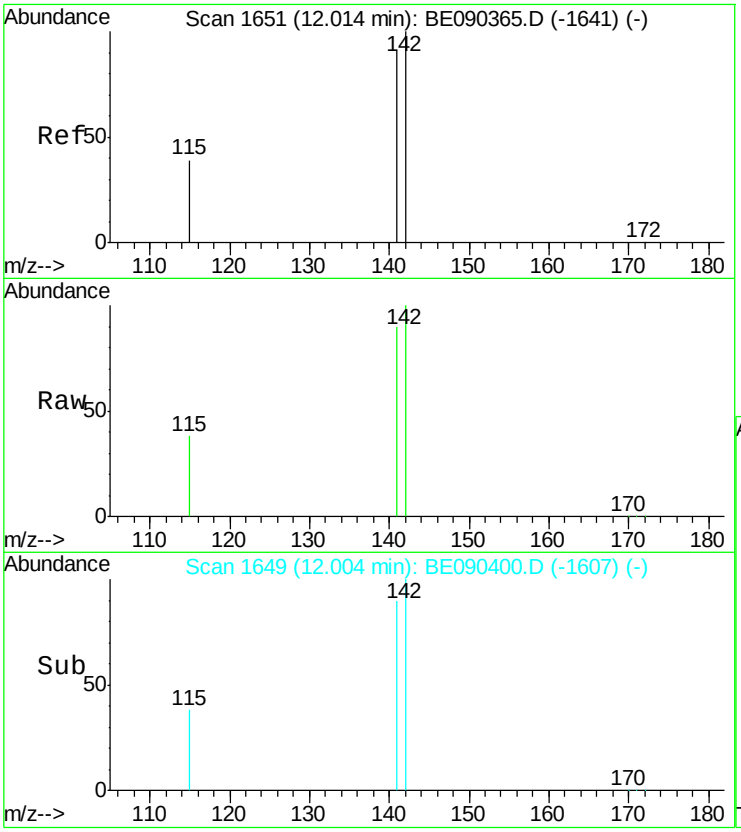


#10
Hexachlorobutadiene
Concen: 4.32 ng
RT: 10.69 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:225 Resp: 15493

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.6	75.8
227	63.8	50.7	76.1





#11
2-Methylnaphthalene
Concen: 4.39 ng
RT: 12.00 min Scan# 1649
Delta R.T. -0.01 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:142 Resp: 60169

Ion	Ratio	Lower	Upper
142	100		
141	89.8	72.6	109.0
115	38.0	31.6	47.4

Instrument :
BNA_E
ClientSampleId :
PB84826BSD

Manual Integrations APPROVED
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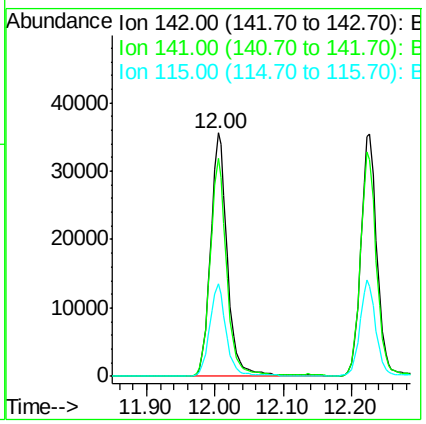
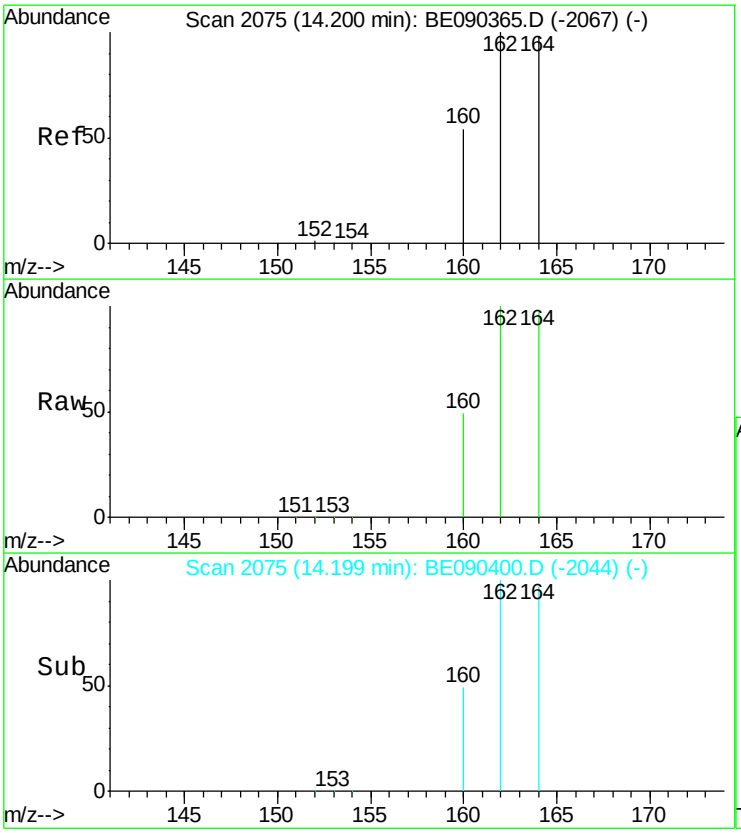
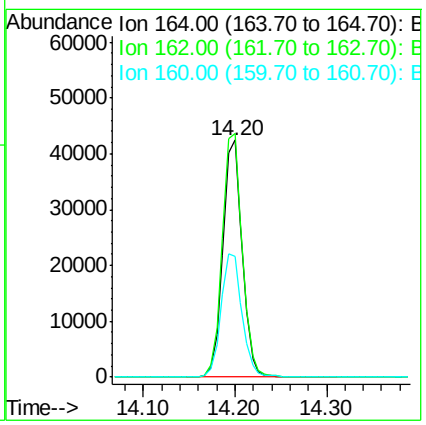


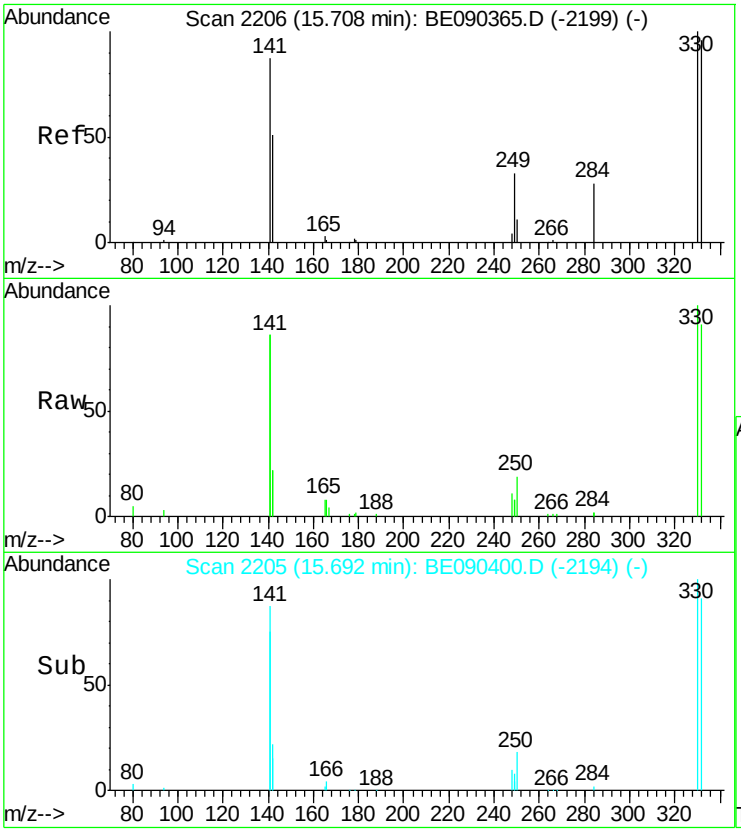


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.20 min Scan# 2075
Delta R.T. -0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:164 Resp: 61862

Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.8	122.8
160	50.9	44.2	66.4

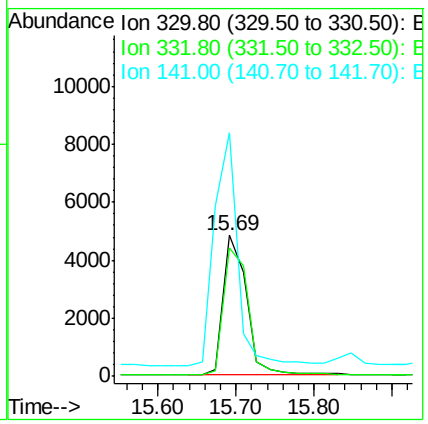




#13
2,4,6-Tribromophenol
Concen: 5.98 ng
RT: 15.69 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:330 Resp: 9935

Ion	Ratio	Lower	Upper
330	100		
332	97.8	75.8	113.6
141	167.6	114.4	171.6



Instrument :
BNA_E
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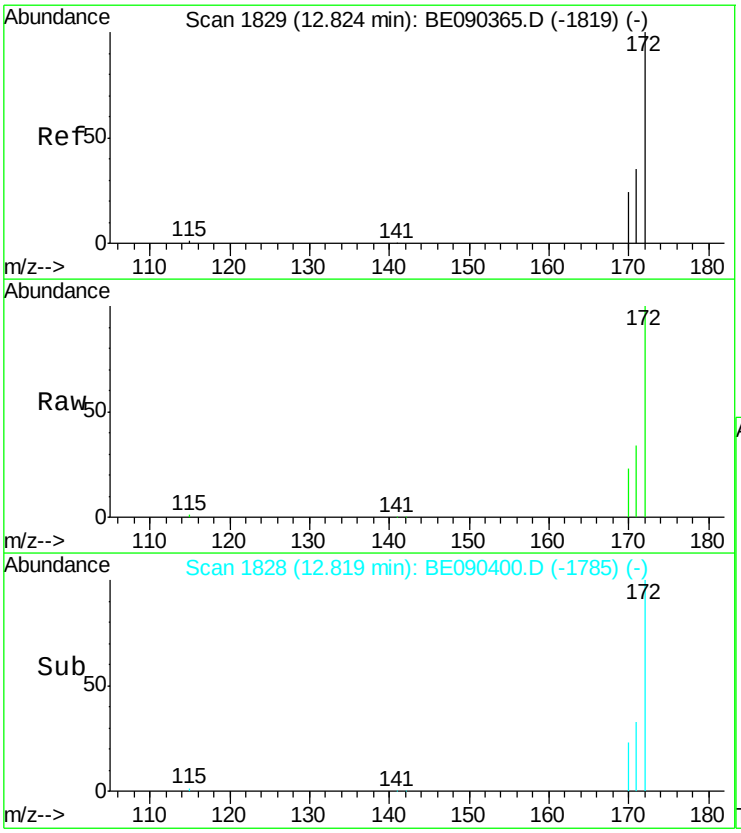
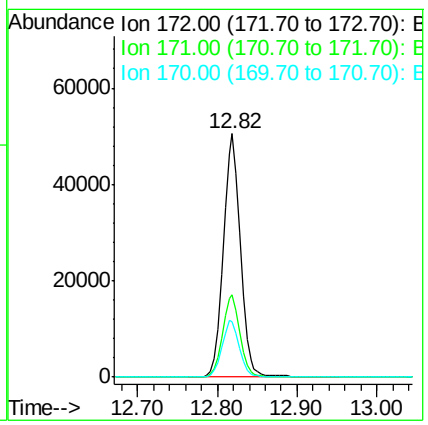
8/10/2015 7:11:20 PM

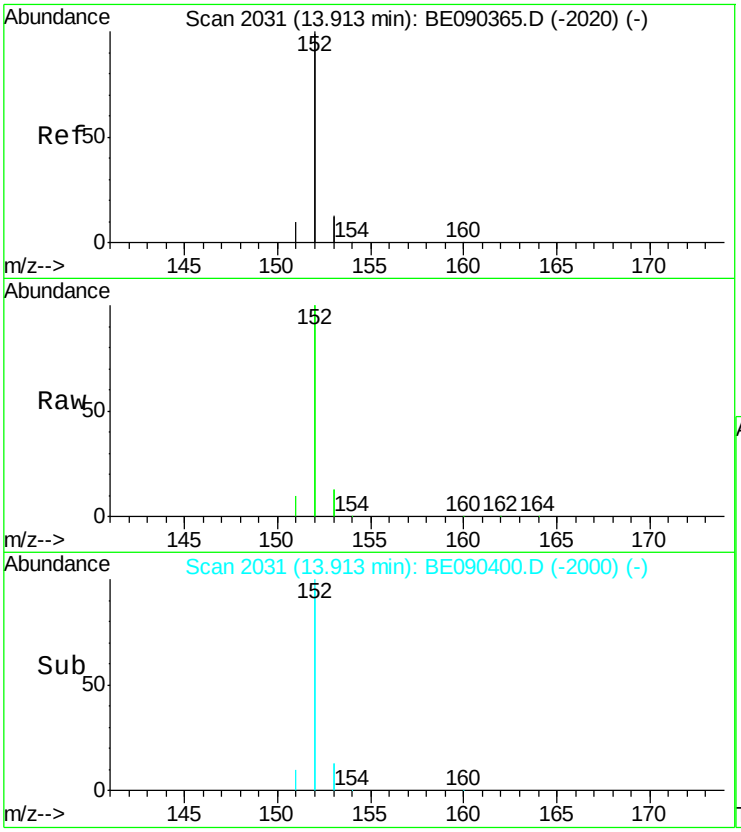


#14
2-Fluorobiphenyl
Concen: 4.42 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:172 Resp: 75255

Ion	Ratio	Lower	Upper
172	100		
171	33.6	28.5	42.7
170	23.0	19.8	29.8

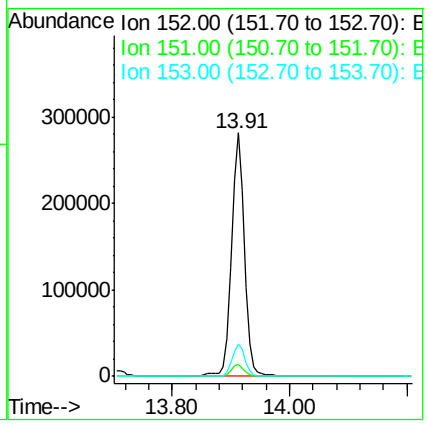




#15
Acenaphthylene
Concen: 4.24 ng
RT: 13.91 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:152 Resp: 424638

Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.8	5.8
153	13.0	10.3	15.5



Instrument :
BNA_E
ClientSampleId :
PB84826BSD

Manual Integrations APPROVED
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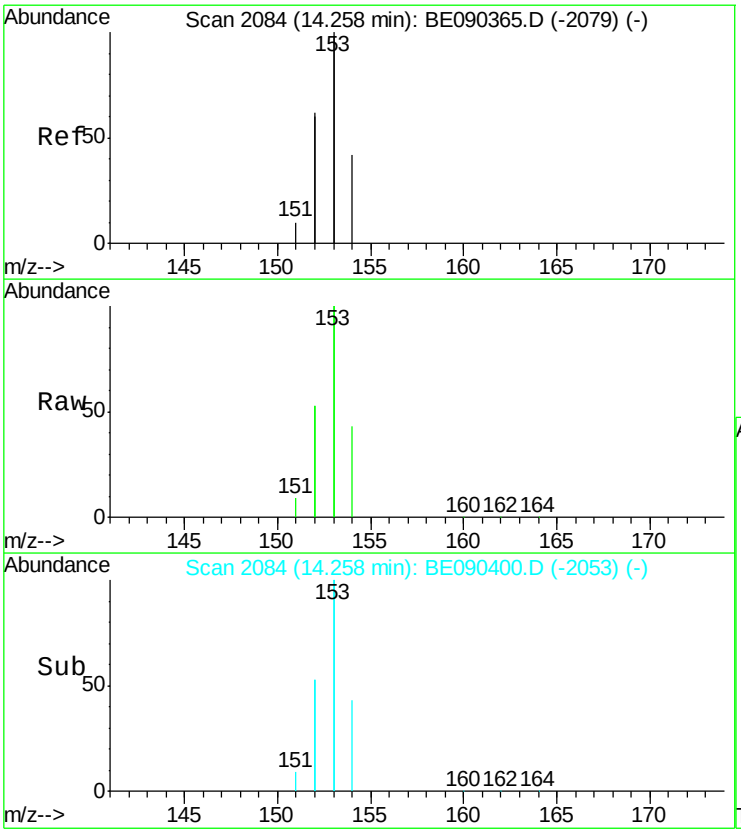
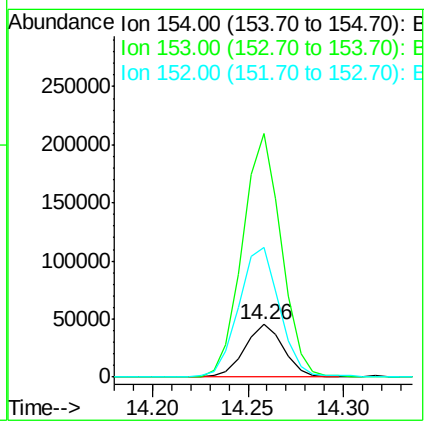
8/10/2015 7:11:20 PM

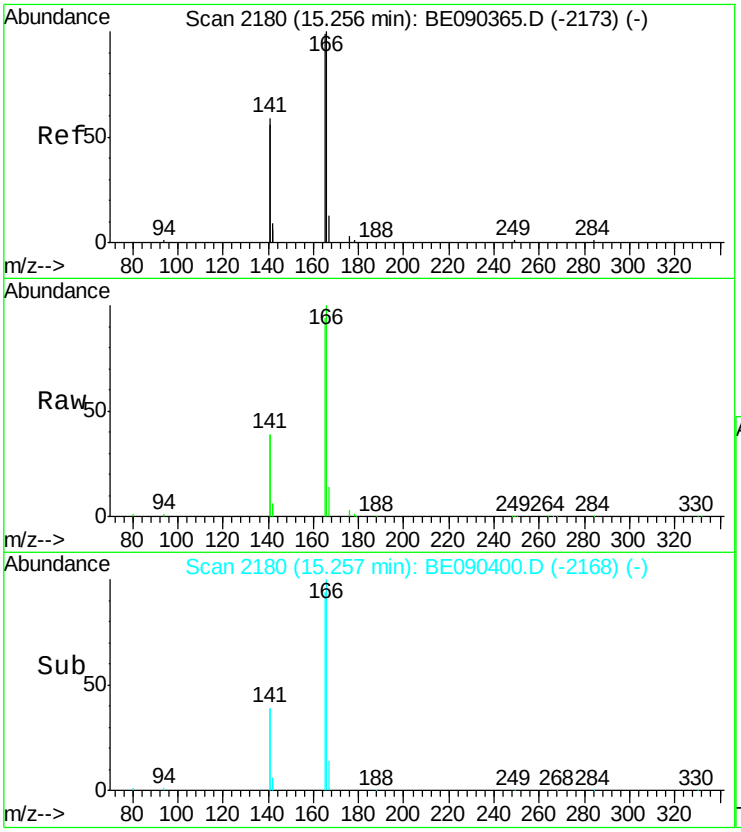


#16
Acenaphthene
Concen: 4.10 ng
RT: 14.26 min Scan# 2084
Delta R.T. -0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:154 Resp: 63798

Ion	Ratio	Lower	Upper
154	100		
153	464.5	376.2	564.2
152	259.7	235.0	352.4





#17
Fluorene
Concen: 4.31 ng
RT: 15.26 min Scan# 2180
Delta R.T. 0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:166 Resp: 87264

Ion	Ratio	Lower	Upper
166	100		
165	99.2	81.5	122.3
167	13.6	11.4	17.0

Instrument :
BNA_E
ClientSampleId :
PB84826BSD

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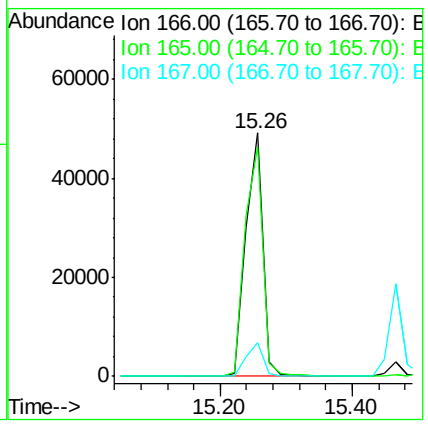
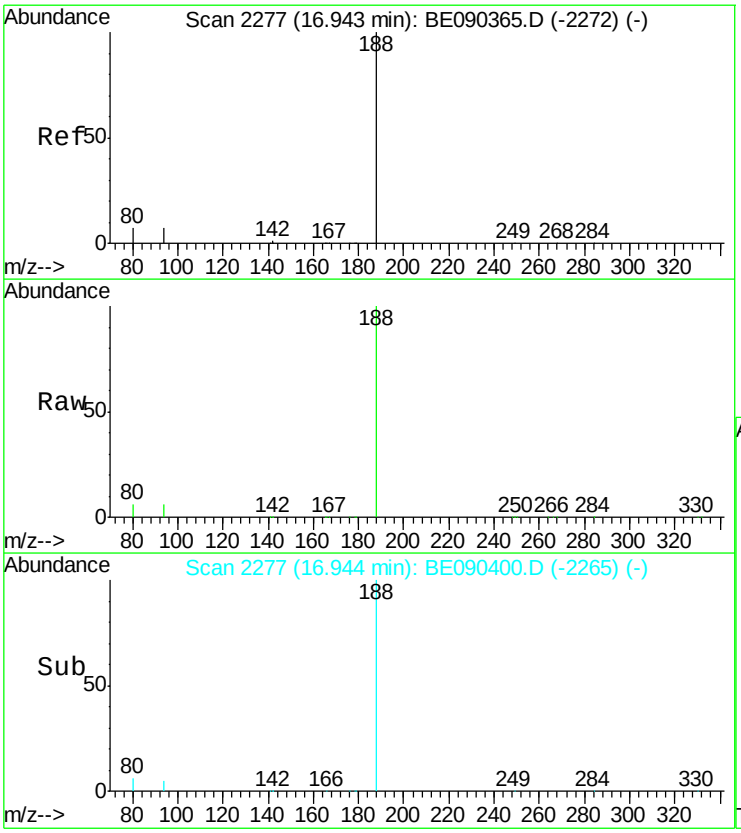
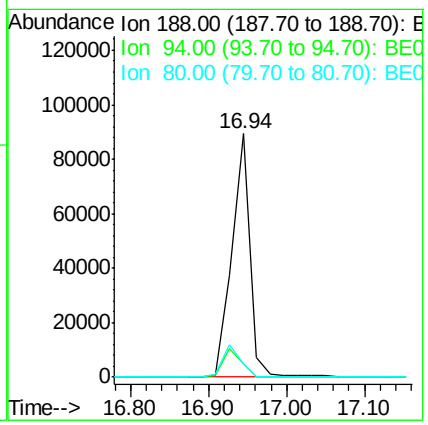


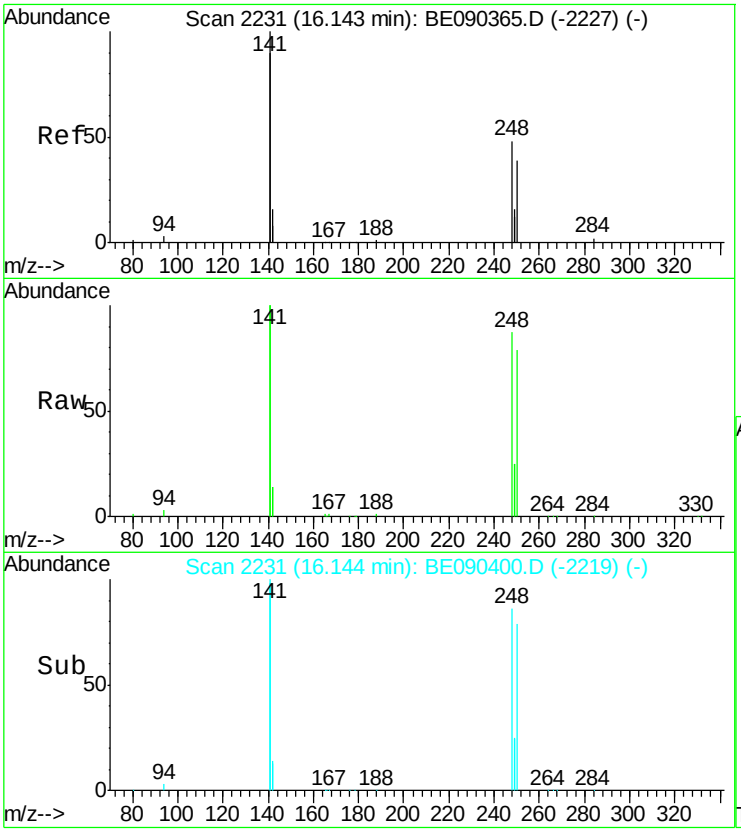


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:188 Resp: 143379

Ion	Ratio	Lower	Upper
188	100		
94	5.6	5.7	8.5#
80	5.6	5.8	8.8#

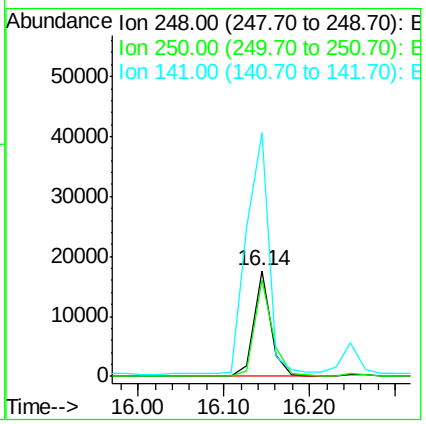




#19
4-Bromophenyl-phenylether
Concen: 4.38 ng
RT: 16.14 min Scan# 2231
Delta R.T. 0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:248 Resp: 24427

Ion	Ratio	Lower	Upper
248	100		
250	95.7	79.0	118.6
141	296.4	239.5	359.3



Instrument :
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ClientSampleId :
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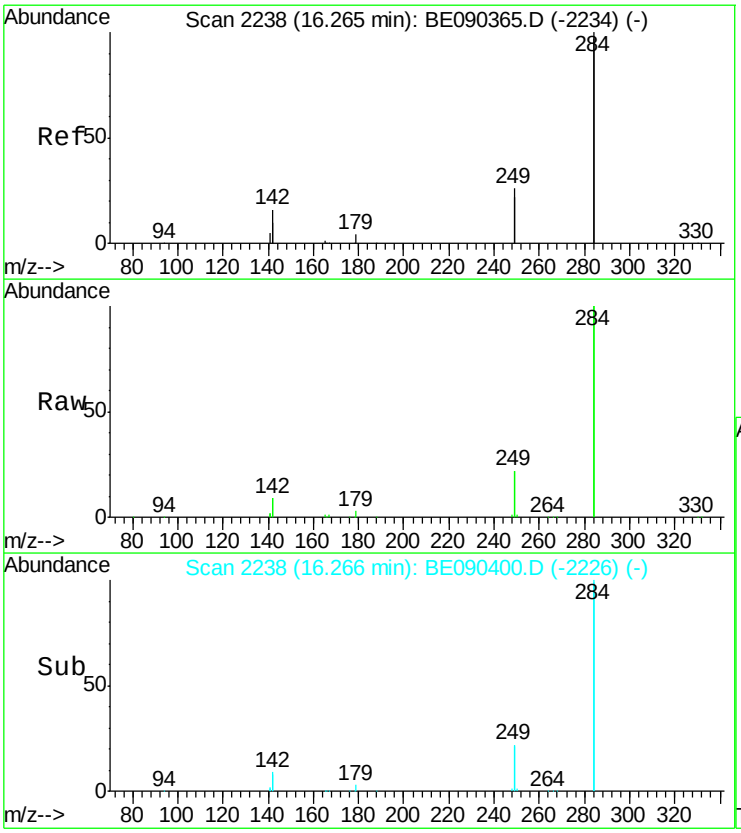
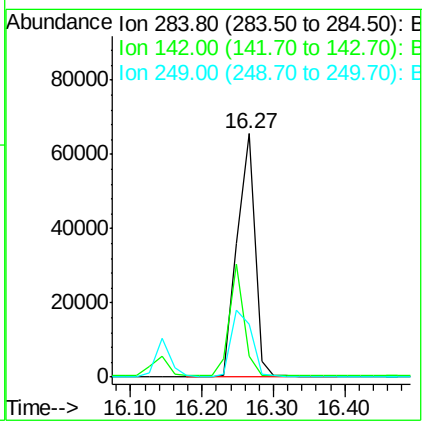
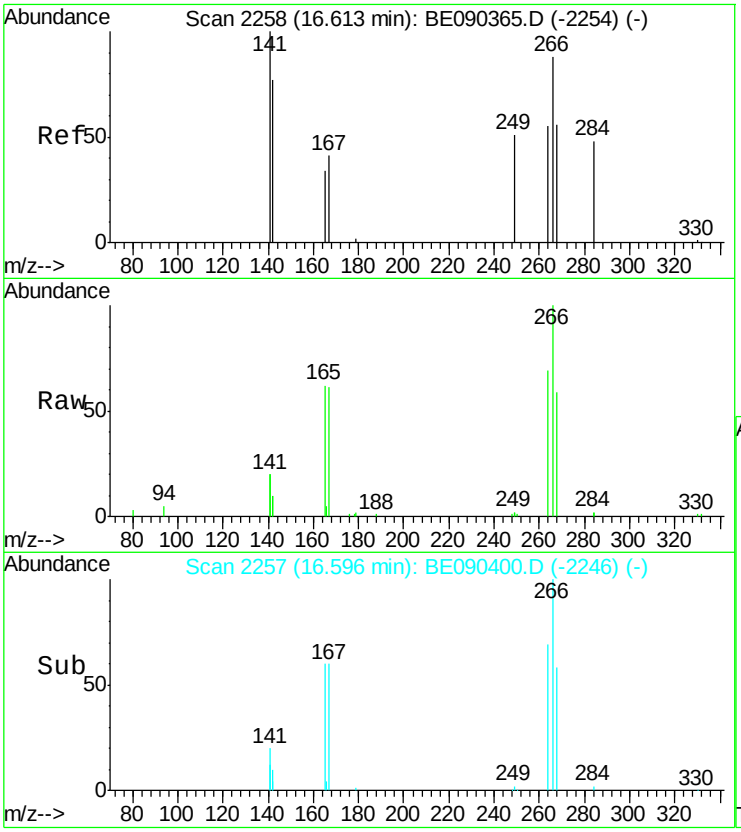


#20
Hexachlorobenzene
Concen: 3.86 ng
RT: 16.27 min Scan# 2238
Delta R.T. 0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:284 Resp: 111087

Ion	Ratio	Lower	Upper
284	100		
142	38.1	30.1	45.1
249	31.1	25.7	38.5

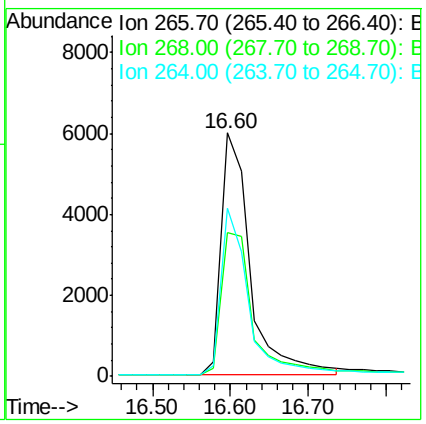




#21
Pentachlorophenol
Concen: 7.19 ng
RT: 16.60 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:266 Resp: 15364

Ion	Ratio	Lower	Upper
266	100		
268	58.8	58.5	87.7
264	69.2	56.0	84.0



Instrument :
BNA_E
ClientSampleId :
PB84826BSD

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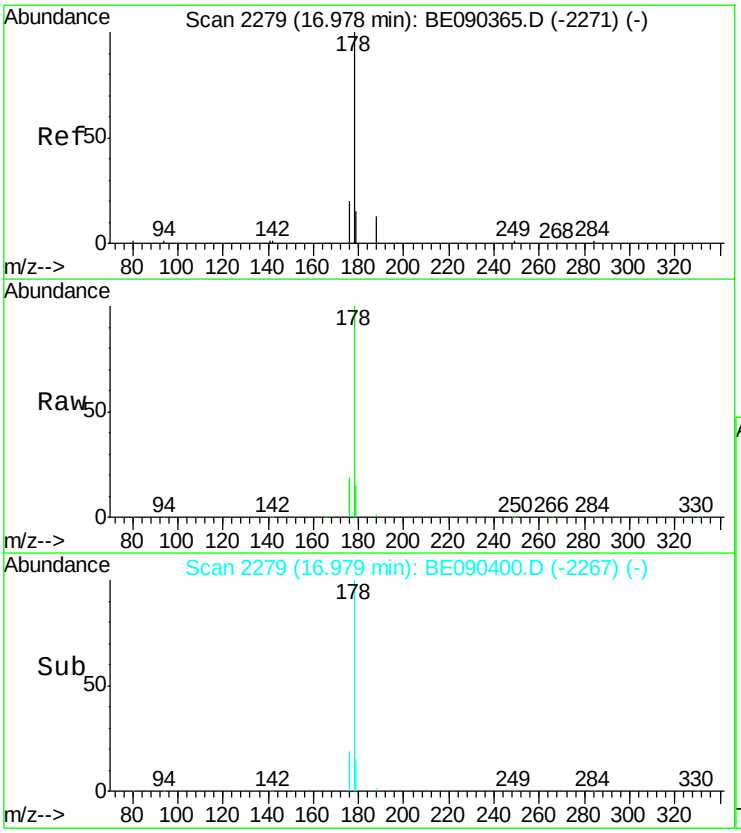
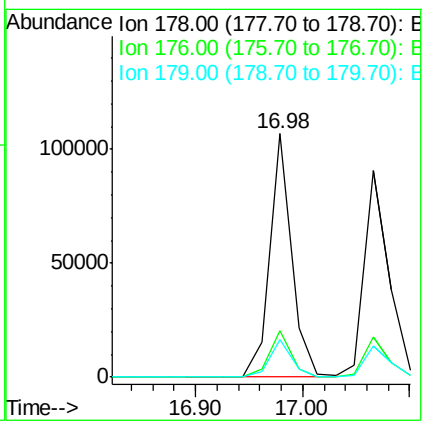
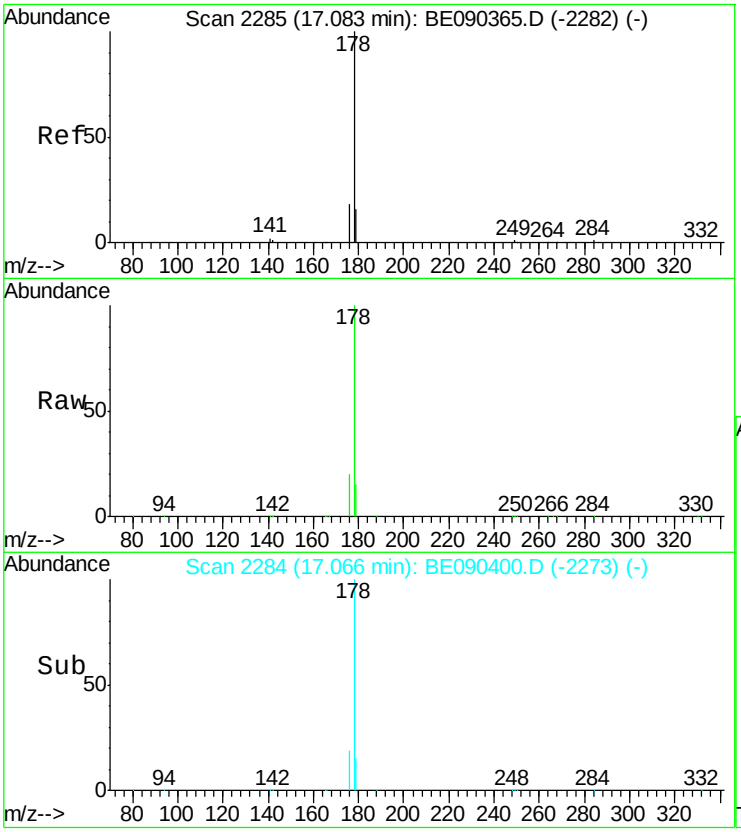


#22
Phenanthrene
Concen: 4.24 ng
RT: 16.98 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:178 Resp: 152016

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.3	12.5	18.7

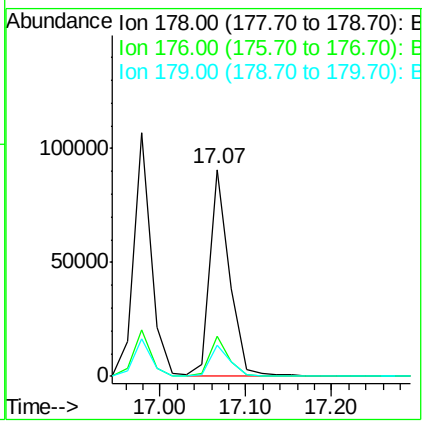




#23
Anthracene
Concen: 4.92 ng
RT: 17.07 min Scan# 2284
Delta R.T. -0.02 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:178 Resp: 145077

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.5	12.2	18.4



Instrument :
BNA_E
ClientSampleId :
PB84826BSD

Manual Integrations APPROVED
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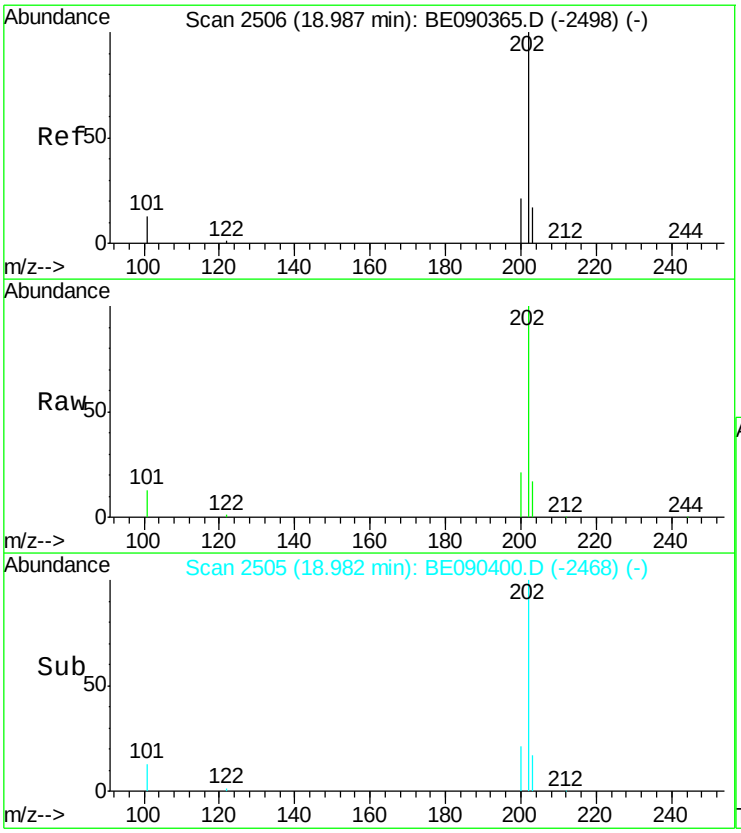
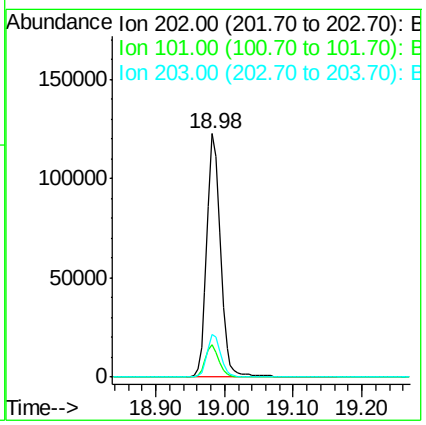
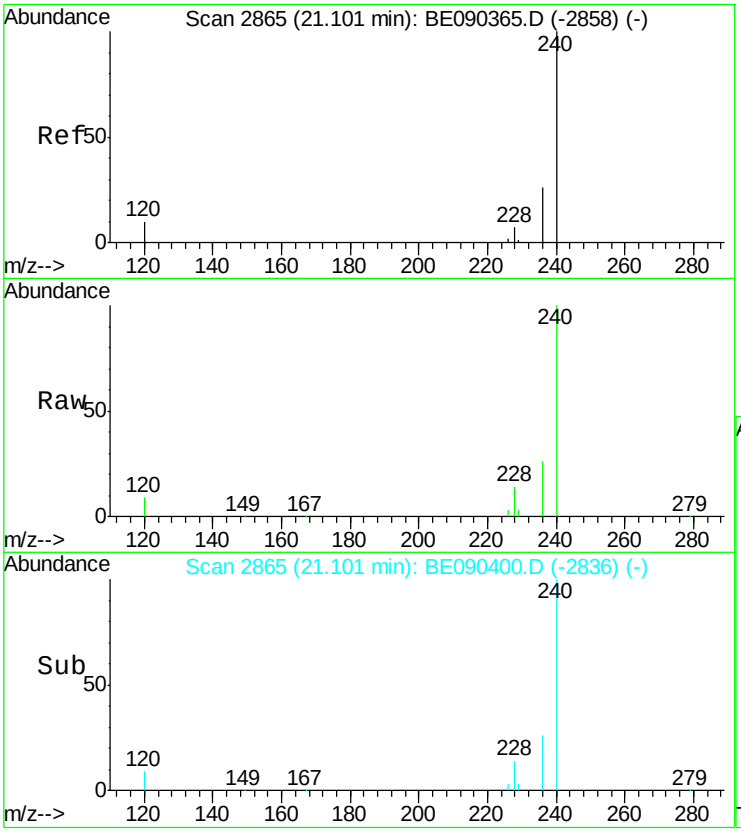


#24
Fluoranthene
Concen: 4.74 ng
RT: 18.98 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:202 Resp: 167434

Ion	Ratio	Lower	Upper
202	100		
101	13.0	10.3	15.5
203	17.3	13.7	20.5

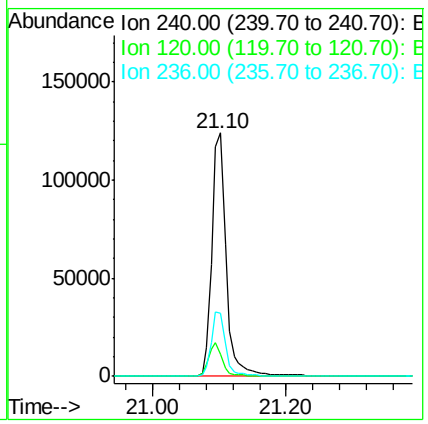




#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.10 min Scan# 2865
Delta R.T. 0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:240 Resp: 181522

Ion	Ratio	Lower	Upper
240	100		
120	9.0	8.3	12.5
236	26.1	21.0	31.4



Instrument :
BNA_E
ClientSampleId :
PB84826BSD

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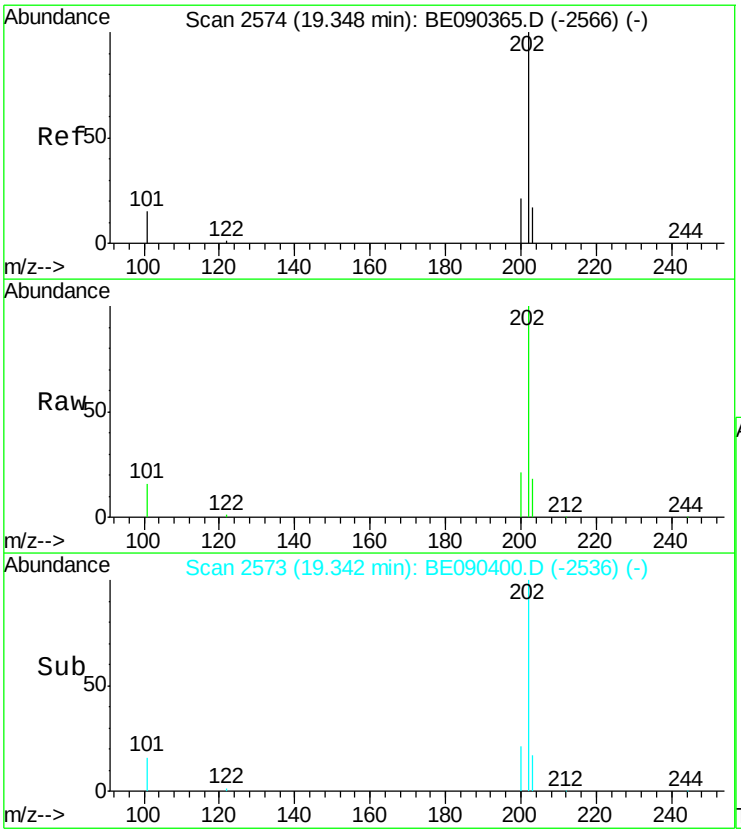
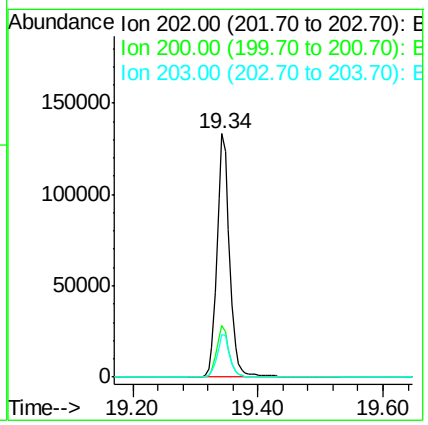
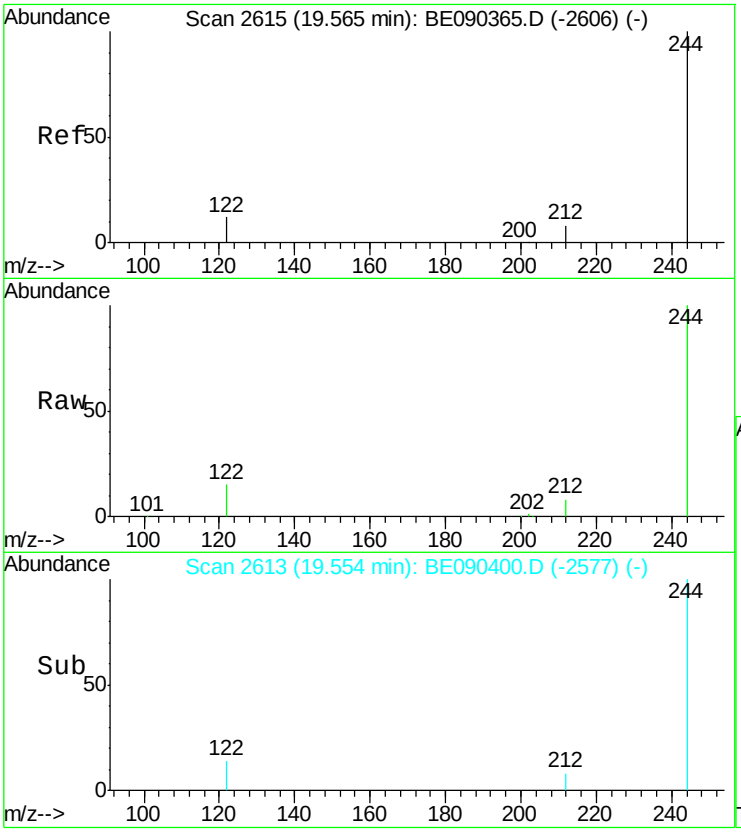


#26
Pyrene
Concen: 4.71 ng
RT: 19.34 min Scan# 2573
Delta R.T. -0.01 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:202 Resp: 185470

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	18.0	13.8	20.8

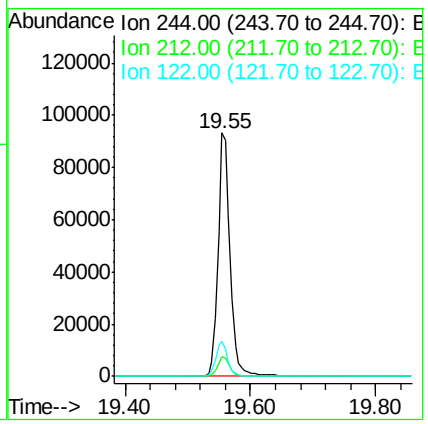




#27
Terphenyl-d14
Concen: 4.67 ng
RT: 19.55 min Scan# 2613
Delta R.T. -0.01 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:244 Resp: 124807

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.6	9.8
122	14.5	10.2	15.4



Instrument :
BNA_E
ClientSampleId :
PB84826BSD

Manual Integrations APPROVED
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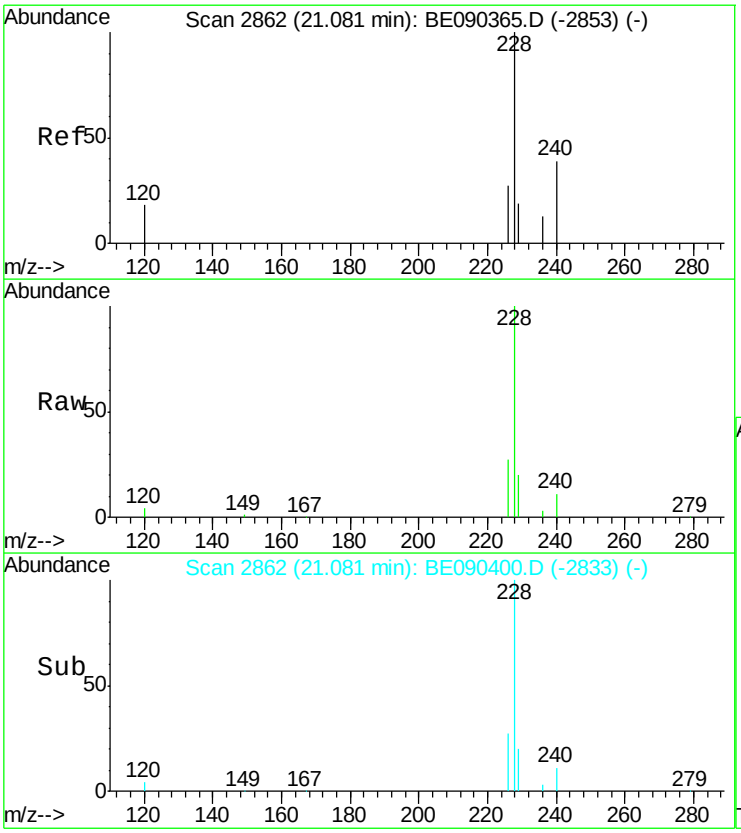
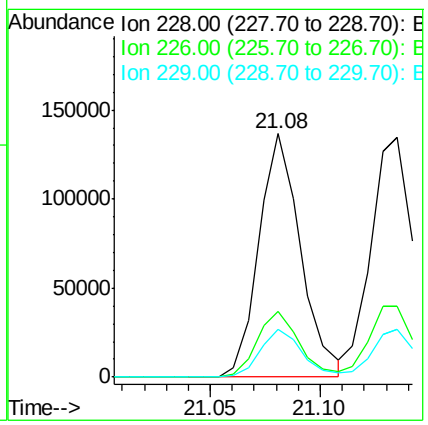
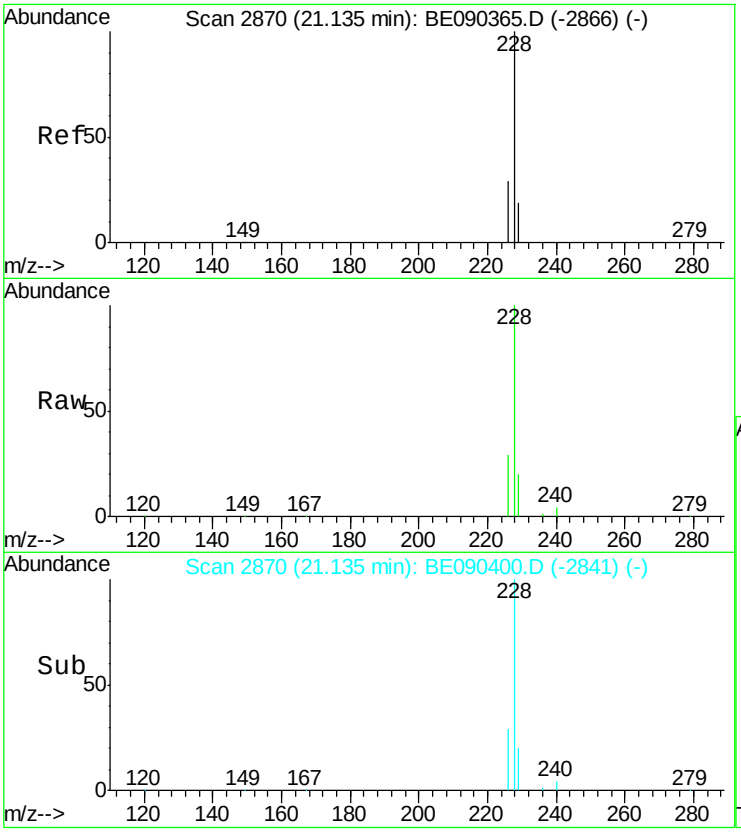


#28
Benzo(a)anthracene
Concen: 4.52 ng
RT: 21.08 min Scan# 2862
Delta R.T. 0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:228 Resp: 181737

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	19.6	15.4	23.0

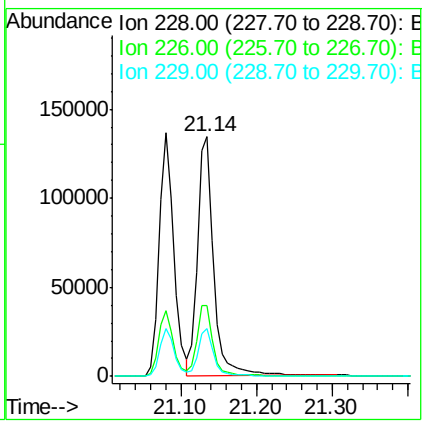




#29
Chrysene
Concen: 4.09 ng
RT: 21.14 min Scan# 2870
Delta R.T. 0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:228 Resp: 198725

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.1	34.7
229	20.0	15.8	23.8



Instrument :
BNA_E
ClientSampleId :
PB84826BSD

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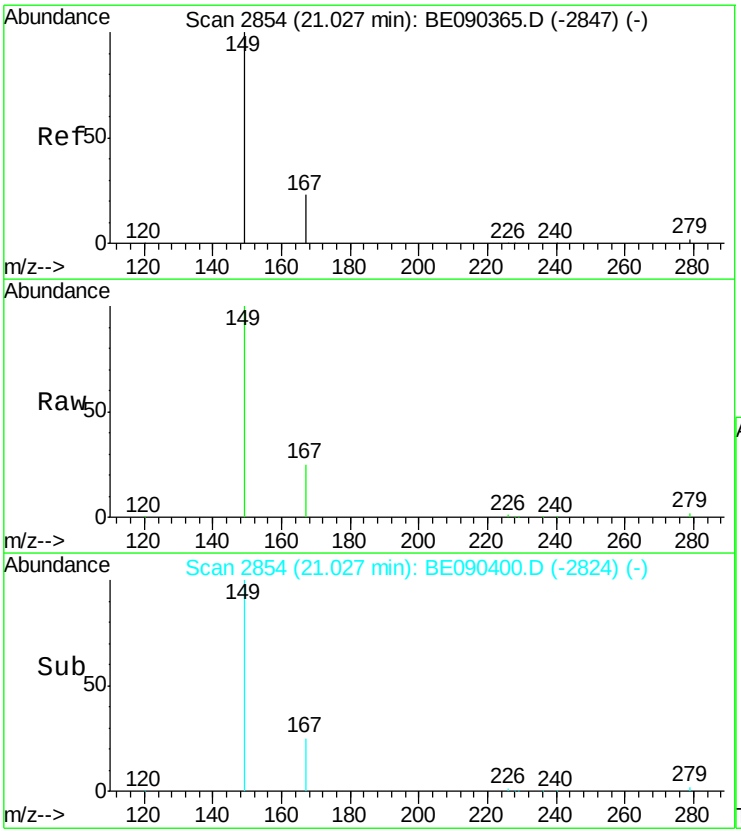
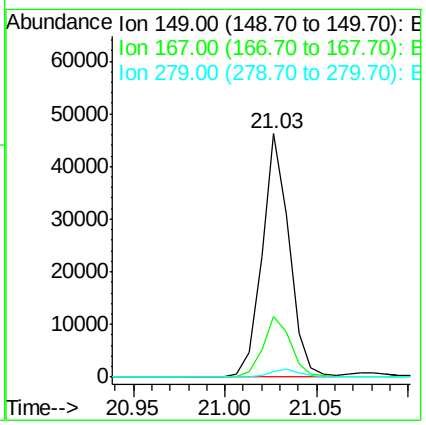
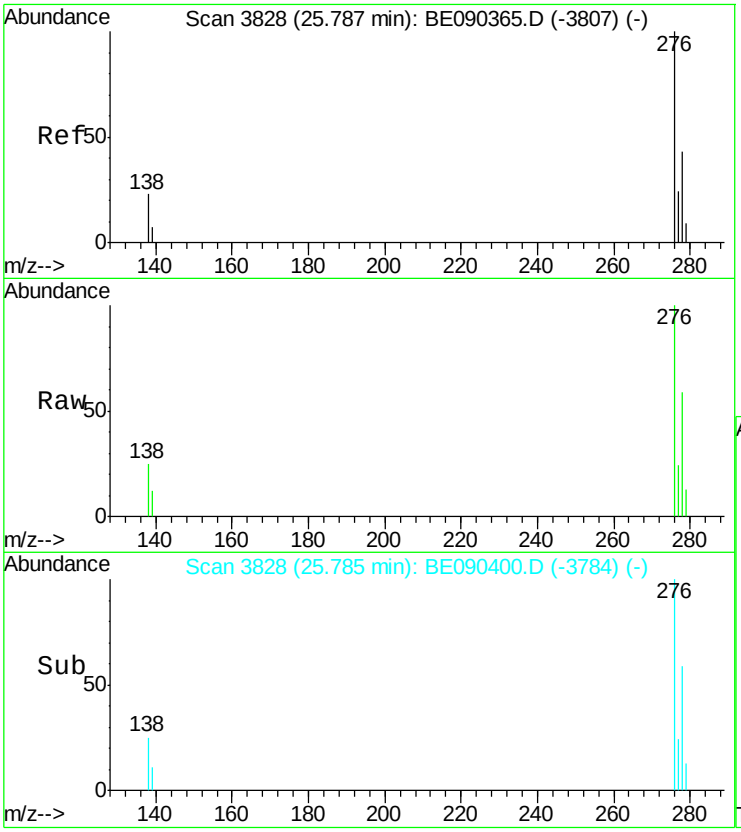


#30
Bis(2-ethylhexyl)phthalate
Concen: 3.63 ng
RT: 21.03 min Scan# 2854
Delta R.T. 0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:149 Resp: 47002

Ion	Ratio	Lower	Upper
149	100		
167	25.5	19.8	29.8
279	3.0	2.4	3.6

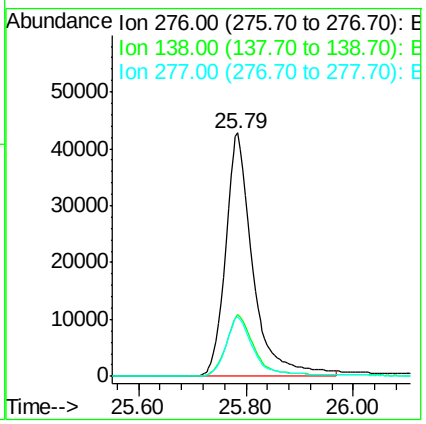




#31
Indeno(1,2,3-cd)pyrene
Concen: 3.51 ng
RT: 25.79 min Scan# 3828
Delta R.T. -0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:276 Resp: 150520

Ion	Ratio	Lower	Upper
276	100		
138	26.3	18.8	28.2
277	24.8	18.2	27.4



Instrument :
BNA_E
ClientSampleId :
PB84826BSD

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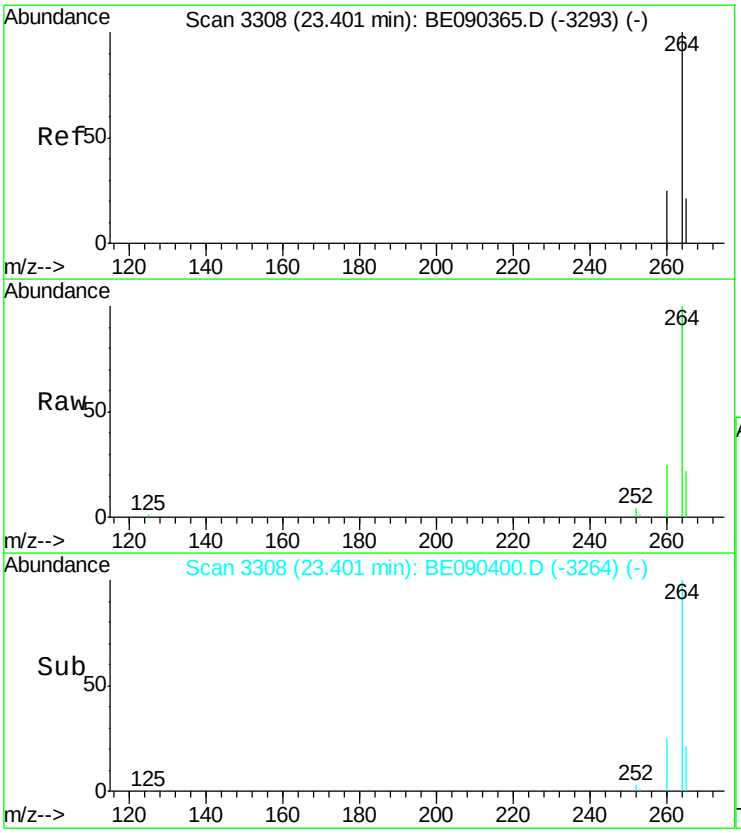
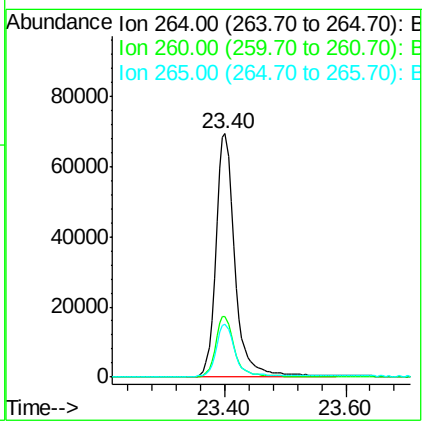
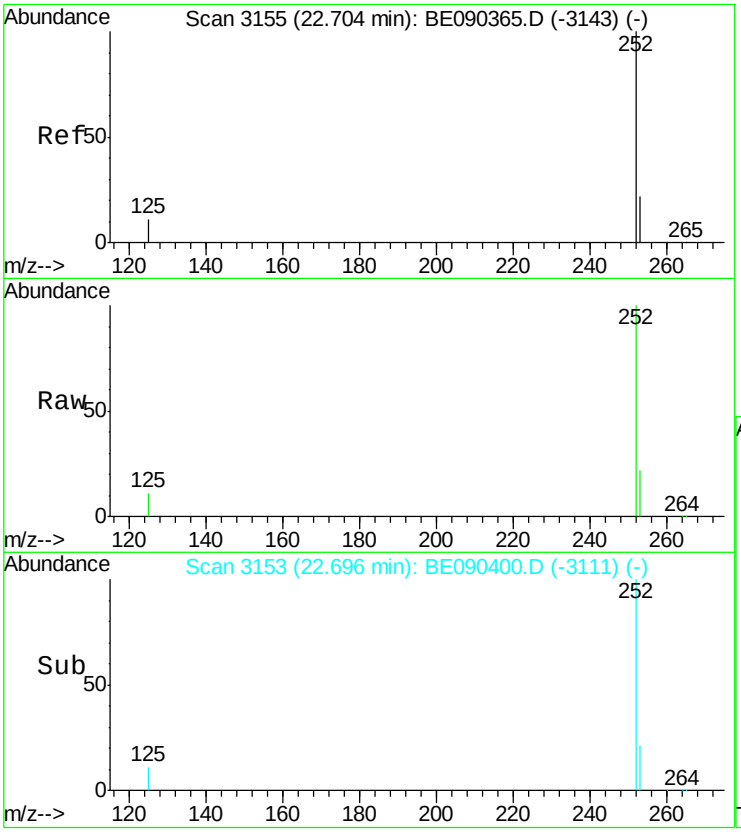


#32
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 3308
Delta R.T. 0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:264 Resp: 151313

Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.1	30.1
265	21.6	17.2	25.8





#33
Benzo(b)fluoranthene
Concen: 4.31 ng
RT: 22.70 min Scan# 3153
Delta R.T. -0.01 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:252 Resp: 146439

Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.1	27.1
125	11.1	9.4	14.2

Instrument :
BNA_E
ClientSampleId :
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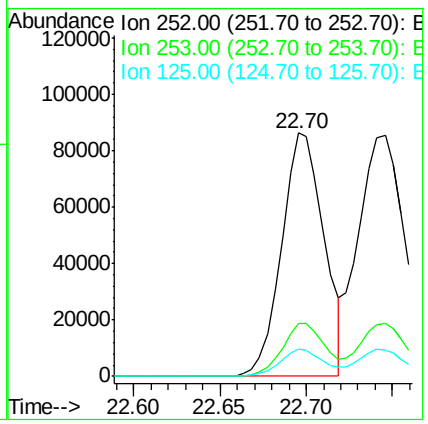
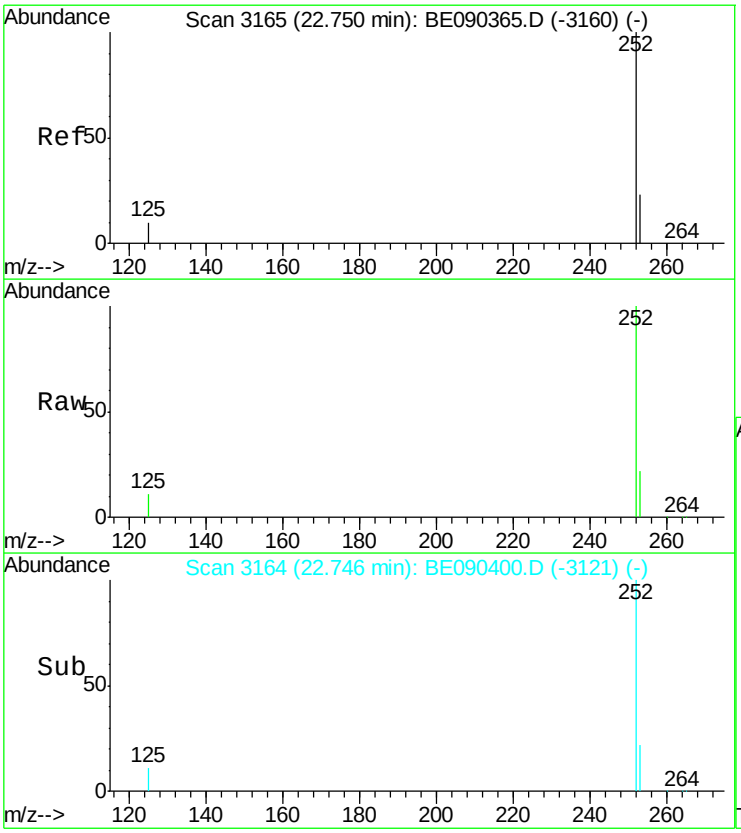
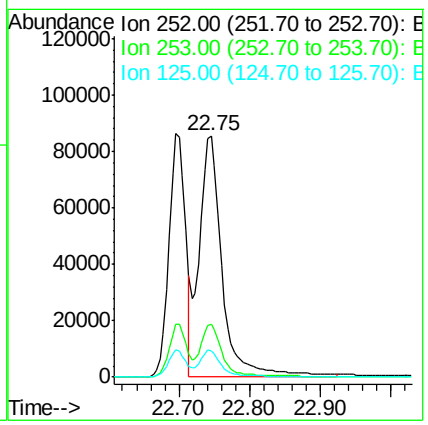


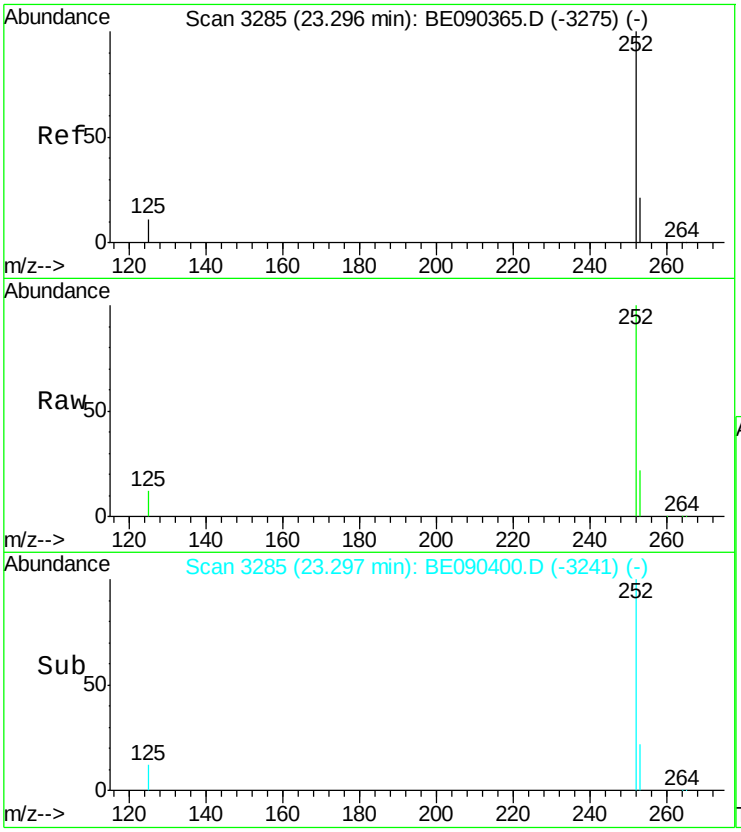


#34
Benzo(k)fluoranthene
Concen: 4.58 ng m
RT: 22.75 min Scan# 3164
Delta R.T. -0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:252 Resp: 193186

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: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:252 Resp: 133862

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	12.4	9.8	14.6

Instrument :
BNA_E
ClientSampleId :
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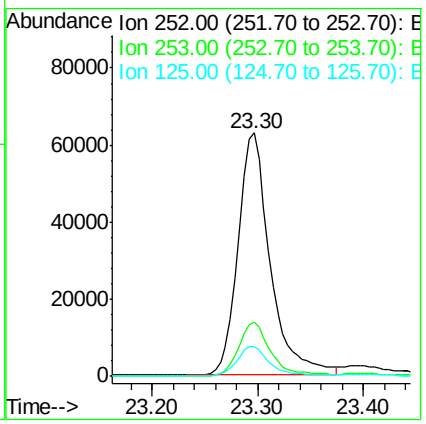
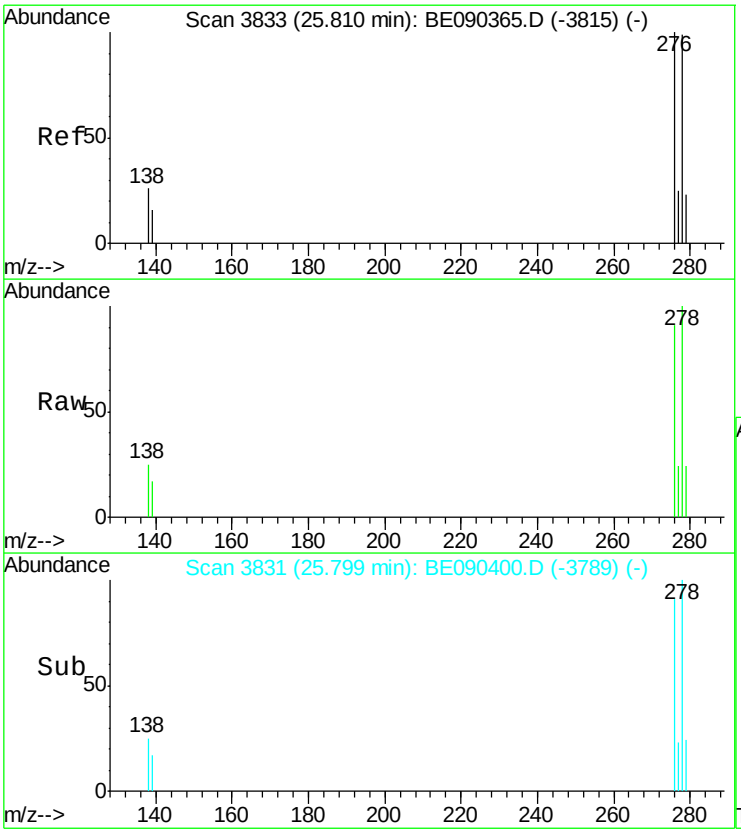
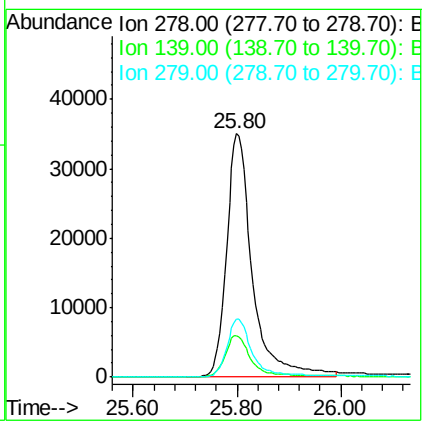


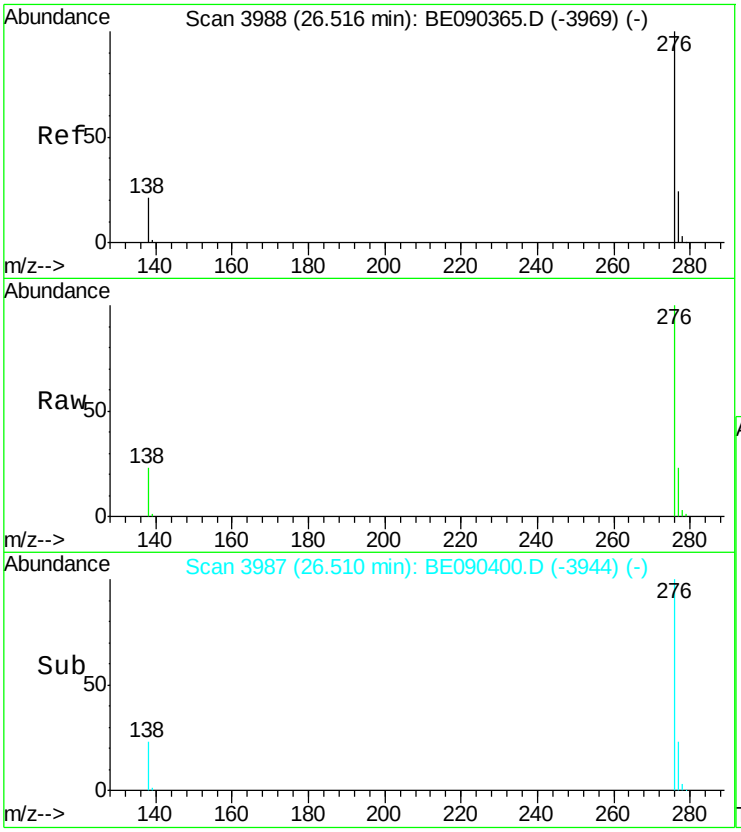


#36
Dibenzo(a,h)anthracene
Concen: 3.86 ng
RT: 25.80 min Scan# 3831
Delta R.T. -0.01 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:278 Resp: 120058

Ion	Ratio	Lower	Upper
278	100		
139	17.2	14.2	21.4
279	23.8	20.1	30.1

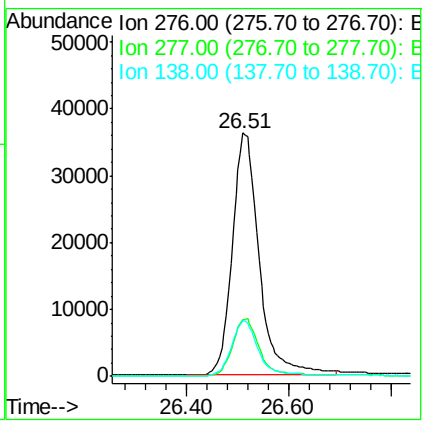




#37
Benzo(g,h,i)perylene
Concen: 4.73 ng
RT: 26.51 min Scan# 3987
Delta R.T. -0.01 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion:276 Resp: 132090

Ion	Ratio	Lower	Upper
276	100		
277	23.2	20.1	30.1
138	22.9	18.1	27.1



Instrument :
BNA_E
ClientSampleId :
PB84826BSD

Manual Integrations APPROVED
MMDadoda
8/10/2015 7:11:20 PM