Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080515\
Data File : BE090367.D
Acq On : 5 Aug 2015 19:53
Operator : TP/UM
Sample : SSTDICC005
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:36 AM

Quant Time: Aug 06 02:12:53 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 01:43:02 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	37908	5.00	ng		0.00
6) Naphthalene-d8	10.34	136	176832	5.00	ng		0.00
12) Acenaphthene-d10	14.20	164	104620	5.00	ng		0.00
18) Phenanthrene-d10	16.94	188	244698	5.00	ng		0.00
25) Chrysene-d12	21.10	240	294174	5.00	ng		0.00
32) Perylene-d12	23.40	264	268841	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.22	112	31118	4.46	ng		0.00
5) Phenol-d6	6.77	99	55058	6.14	ng		-0.01
7) Nitrobenzene-d5	8.72	82	67304	6.36	ng		-0.01
13) 2,4,6-Tribromophenol	15.69	330	13402	6.70	ng		-0.02
14) 2-Fluorobiphenyl	12.82	172	143257	4.75	ng		0.00
27) Terphenyl-d14	19.56	244	229271	4.31	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.19	88	21953	4.99	ng		98
3) n-Nitrosodimethylamine	3.49	42	30452	4.81	ng	#	89
8) Nitrobenzene	8.76	77	73084	6.71	ng		95
9) Naphthalene	10.39	128	178123	4.67	ng		98
10) Hexachlorobutadiene	10.69	225	28929	5.47	ng		100
11) 2-Methylnaphthalene	12.01	142	119450	5.12	ng		98
15) Acenaphthylene	13.91	152	873482	4.83	ng		100
16) Acenaphthene	14.26	154	123659	4.68	ng		90
17) Fluorene	15.26	166	163538	5.01	ng		99
19) 4-Bromophenyl-phenylether	16.14	248	48547	5.29	ng		99
20) Hexachlorobenzene	16.27	284	220344	6.04	ng		98
21) Pentachlorophenol	16.60	266	14849	5.77	ng		90
22) Phenanthrene	16.98	178	279548	4.94	ng		99
23) Anthracene	17.07	178	264420	5.28	ng		100
24) Fluoranthene	18.98	202	314135	5.55	ng		99
26) Pyrene	19.34	202	335210	4.37	ng		99
28) Benzo(a)anthracene	21.08	228	330782	5.80	ng		99
29) Chrysene	21.13	228	367280	5.52	ng		99
30) Bis(2-ethylhexyl)phthalate	21.03	149	121330	4.74	ng		99
31) Indeno(1,2,3-cd)pyrene	25.79	276	330535	7.27	ng		96
33) Benzo(b)fluoranthene	22.70	252	298481	5.67	ng		98
34) Benzo(k)fluoranthene	22.75	252	377835m	5.22	ng		
35) Benzo(a)pyrene	23.30	252	273048	5.63	ng		99
36) Dibenzo(a,h)anthracene	25.81	278	262379	7.09	ng		97
37) Benzo(g,h,i)perylene	26.52	276	284207	5.65	ng		97

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

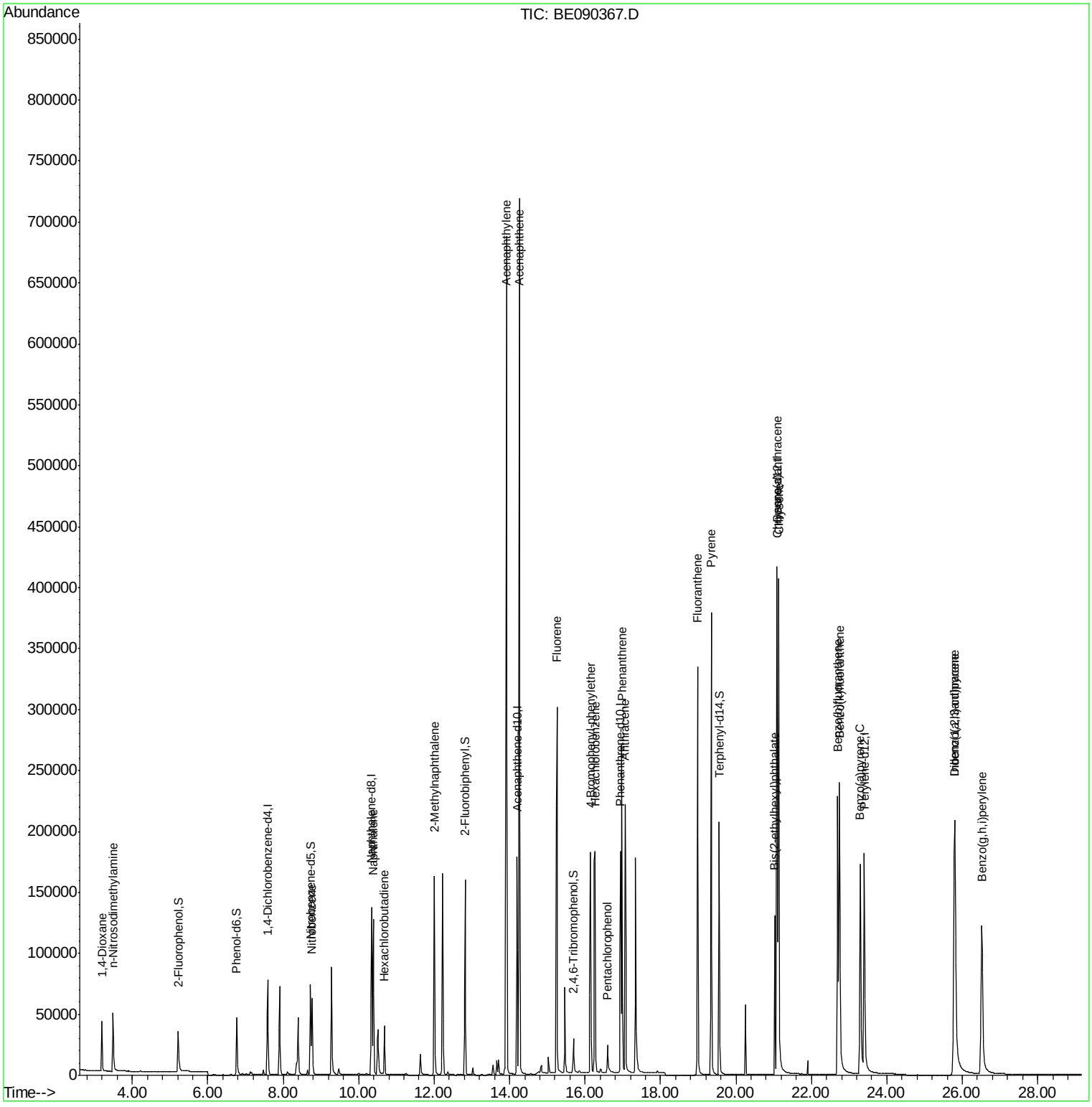
Quantitation Report (QT Reviewed)

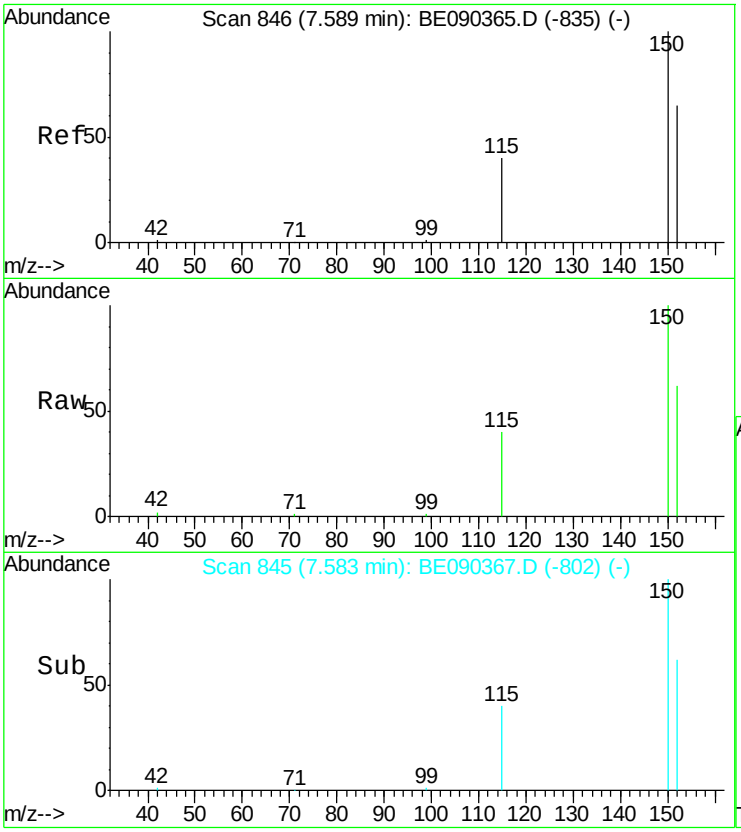
Data Path : Z:\HPCHEM1\BNA E\DATA\BE080515\
Data File : BE090367.D
Acq On : 5 Aug 2015 19:53
Operator : TP/UM
Sample : SSTDICC005
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 06 02:12:53 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 01:43:02 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:36 AM

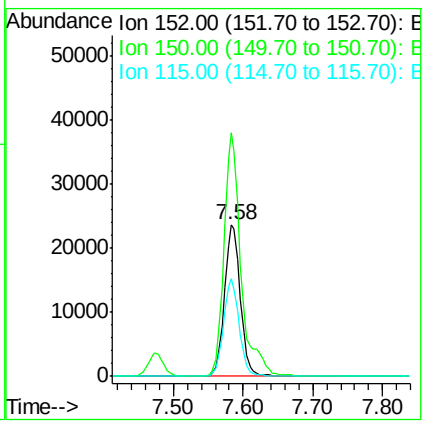




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 845
Delta R.T. -0.01 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

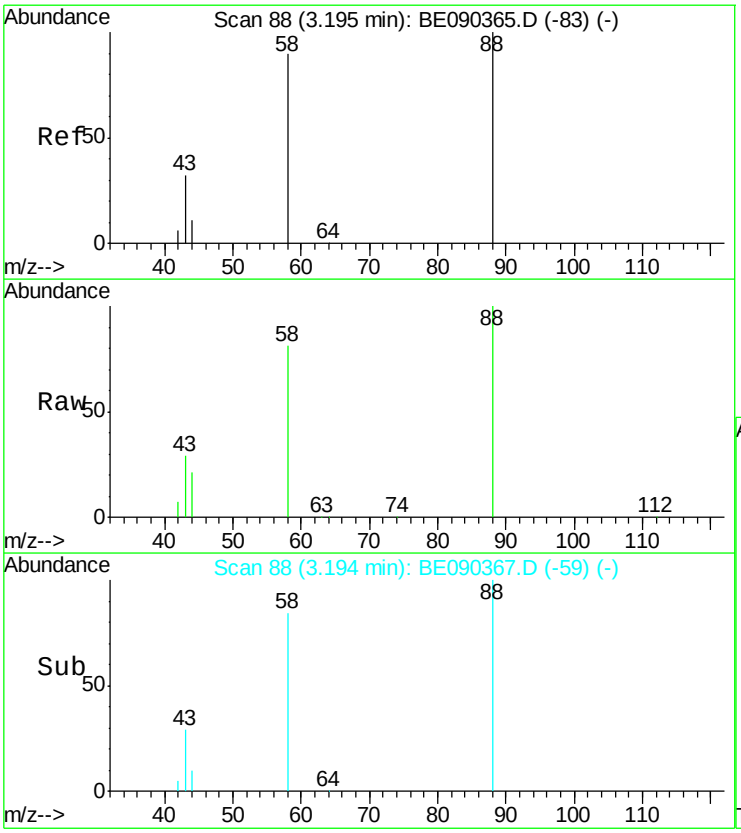
Tgt Ion:152 Resp: 37908

Ion	Ratio	Lower	Upper
152	100		
150	160.6	123.0	184.4
115	64.5	48.9	73.3



Instrument :
BNA_E
ClientSampleId :
SSTDICC005

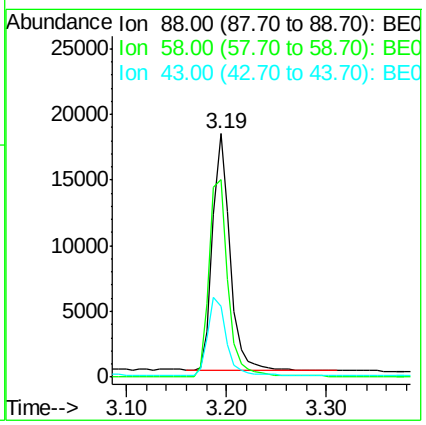
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:36 AM

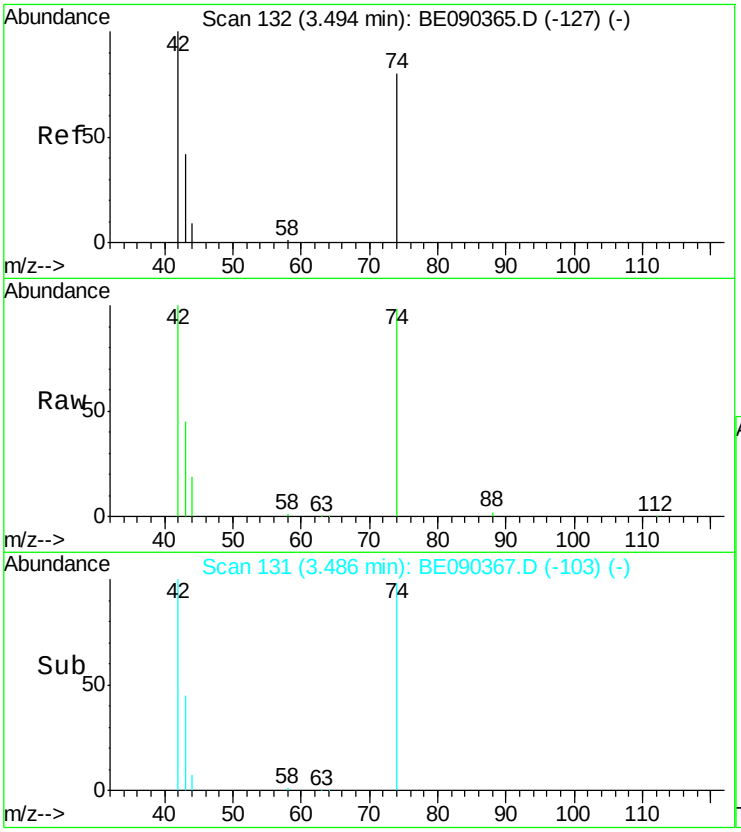


#2
1,4-Dioxane
Concen: 4.99 ng
RT: 3.19 min Scan# 88
Delta R.T. -0.00 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

Tgt Ion: 88 Resp: 21953

Ion	Ratio	Lower	Upper
88	100		
58	89.5	70.0	105.0
43	34.6	28.4	42.6

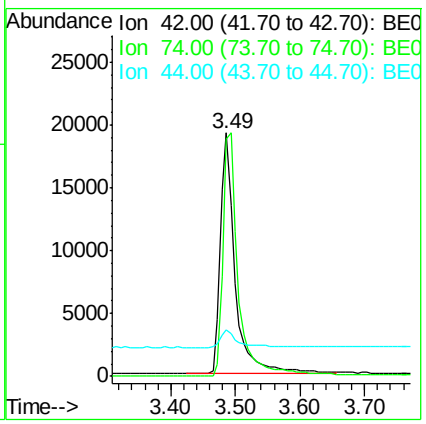




#3
n-Nitrosodimethylamine
Concen: 4.81 ng
RT: 3.49 min Scan# 131
Delta R.T. -0.01 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

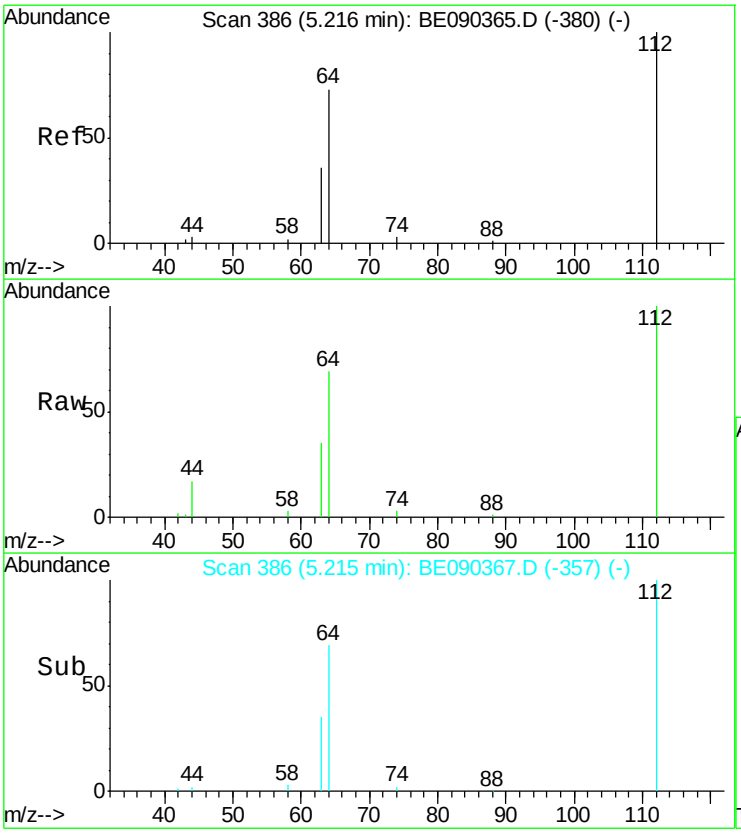
Tgt Ion: 42 Resp: 30452

Ion	Ratio	Lower	Upper
42	100		
74	105.0	75.2	112.8
44	8.6	8.7	13.1#



Instrument :
BNA_E
ClientSampleId :
SSTDICC005

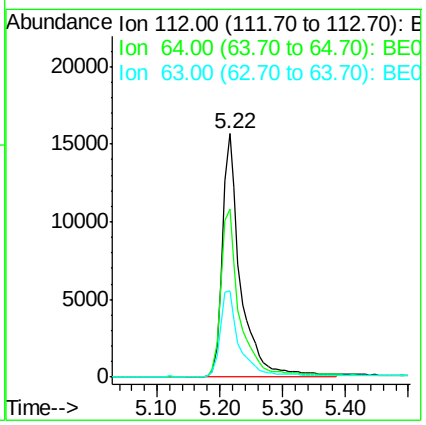
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:36 AM

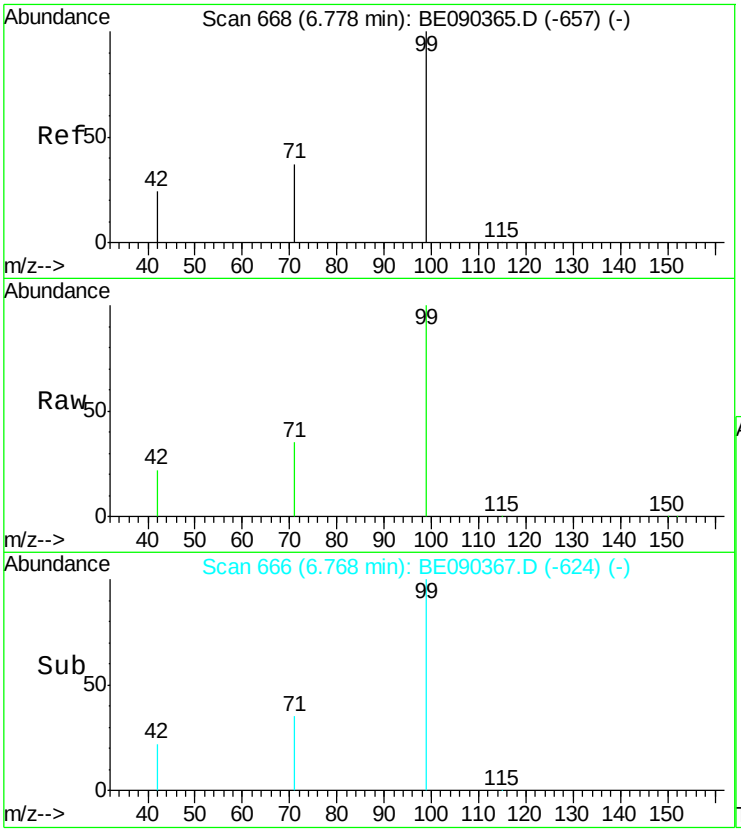


#4
2-Fluorophenol
Concen: 4.46 ng
RT: 5.22 min Scan# 386
Delta R.T. -0.00 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

Tgt Ion:112 Resp: 31118

Ion	Ratio	Lower	Upper
112	100		
64	70.7	37.1	55.7#
63	37.3	19.5	29.3#

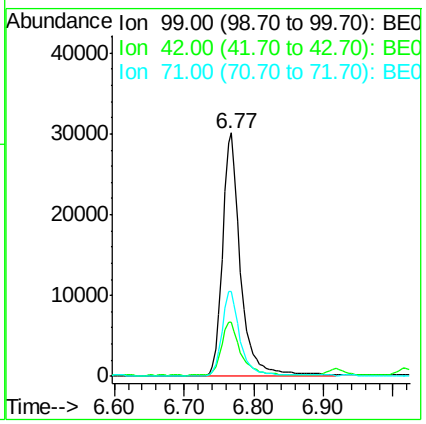




#5
Phenol-d6
Concen: 6.14 ng
RT: 6.77 min Scan# 666
Delta R.T. -0.01 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

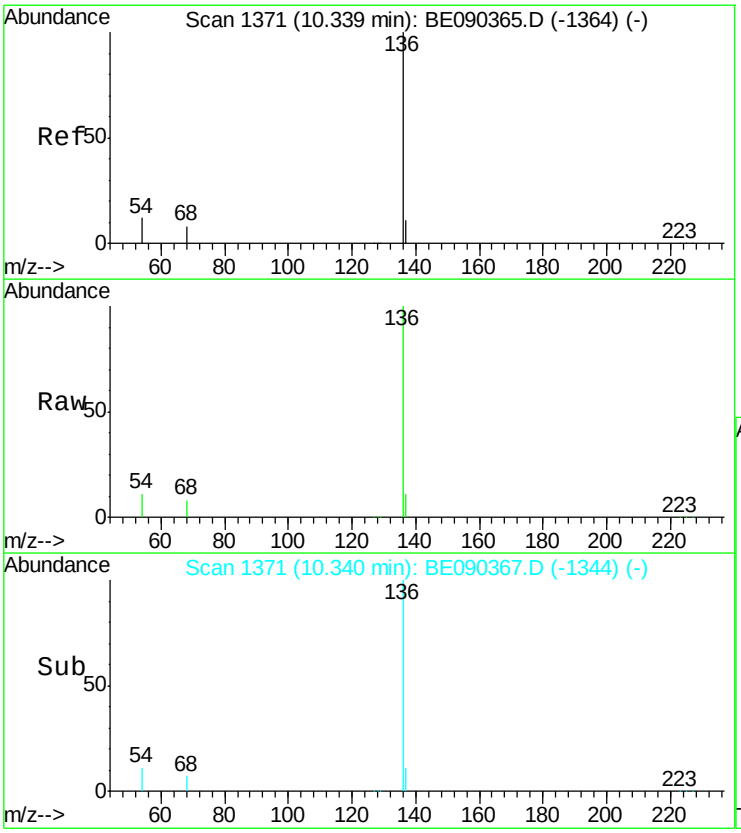
Tgt Ion: 99 Resp: 55058

Ion	Ratio	Lower	Upper
99	100		
42	24.0	18.2	27.4
71	35.6	27.4	41.0



Instrument :
BNA_E
ClientSampleId :
SSTDICC005

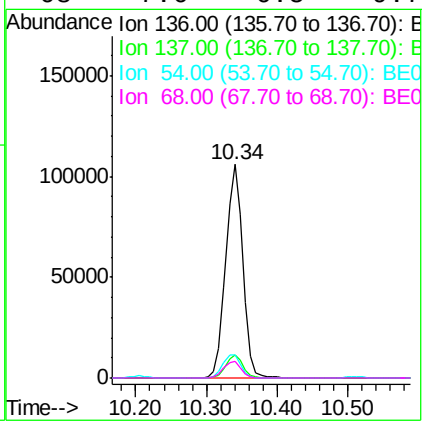
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:36 AM

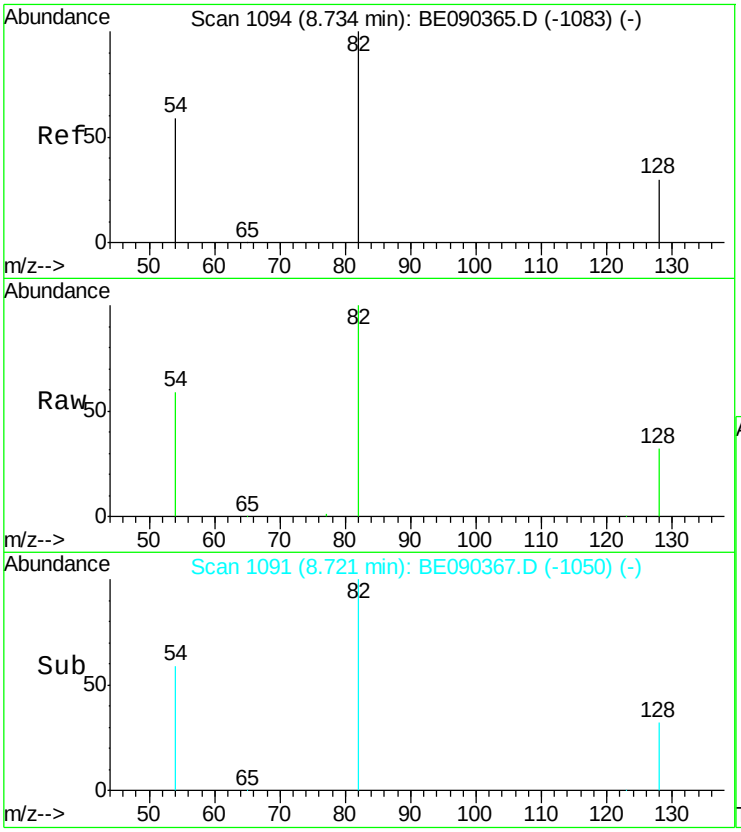


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.34 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

Tgt Ion:136 Resp: 176832

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	10.7	9.4	14.0
68	7.6	6.5	9.7

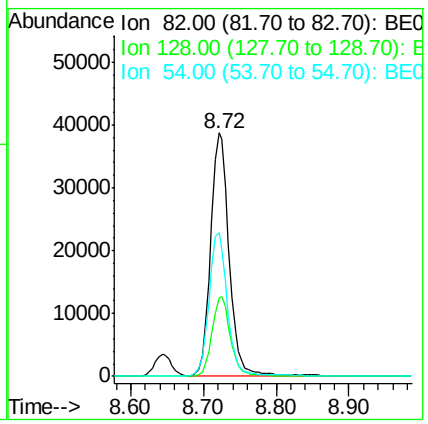




#7
Nitrobenzene-d5
Concen: 6.36 ng
RT: 8.72 min Scan# 1091
Delta R.T. -0.01 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

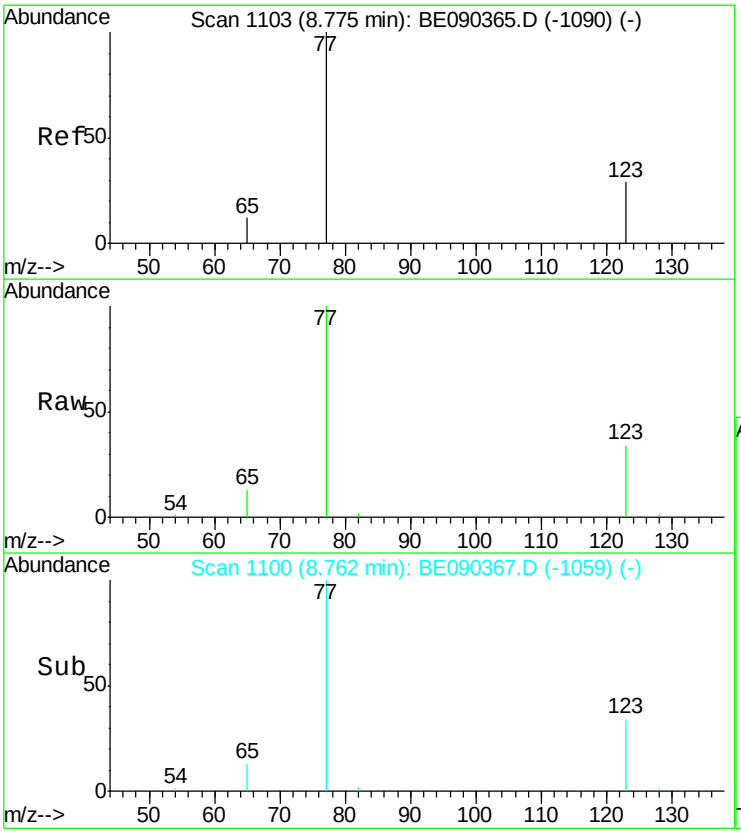
Tgt Ion: 82 Resp: 67304

Ion	Ratio	Lower	Upper
82	100		
128	32.5	25.0	37.6
54	59.2	48.8	73.2



Instrument :
BNA_E
ClientSampleId :
SSTDICC005

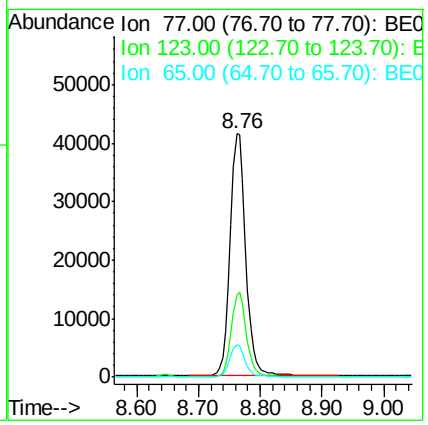
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:36 AM

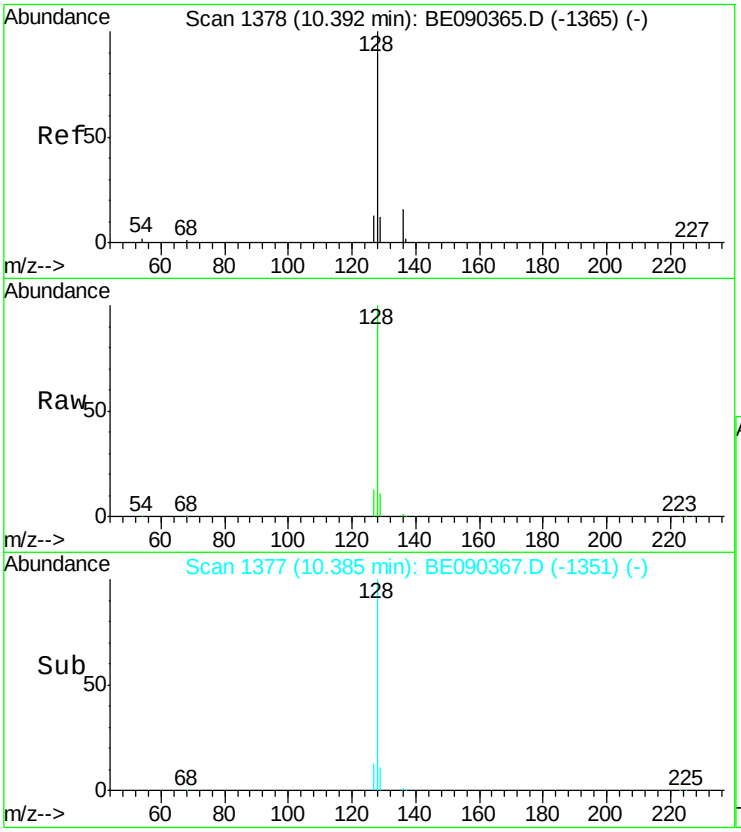


#8
Nitrobenzene
Concen: 6.71 ng
RT: 8.76 min Scan# 1100
Delta R.T. -0.01 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

Tgt Ion: 77 Resp: 73084

Ion	Ratio	Lower	Upper
77	100		
123	34.3	25.1	37.7
65	13.0	9.3	13.9

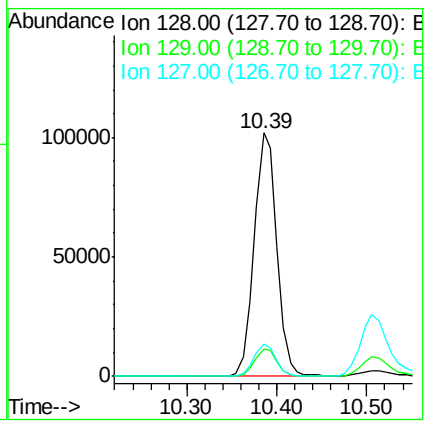




#9
Naphthalene
Concen: 4.67 ng
RT: 10.39 min Scan# 1377
Delta R.T. -0.01 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

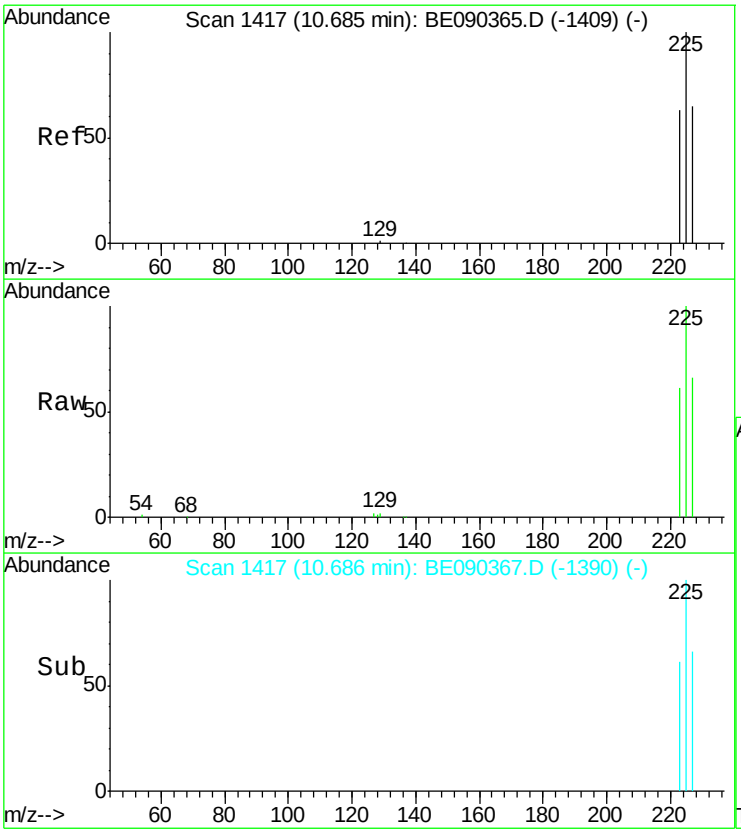
Tgt Ion:128 Resp: 178123

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.8	14.6
127	13.1	10.6	16.0



Instrument :
BNA_E
ClientSampleId :
SSTDICC005

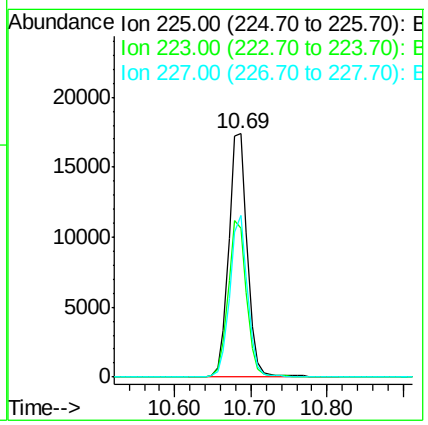
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:36 AM

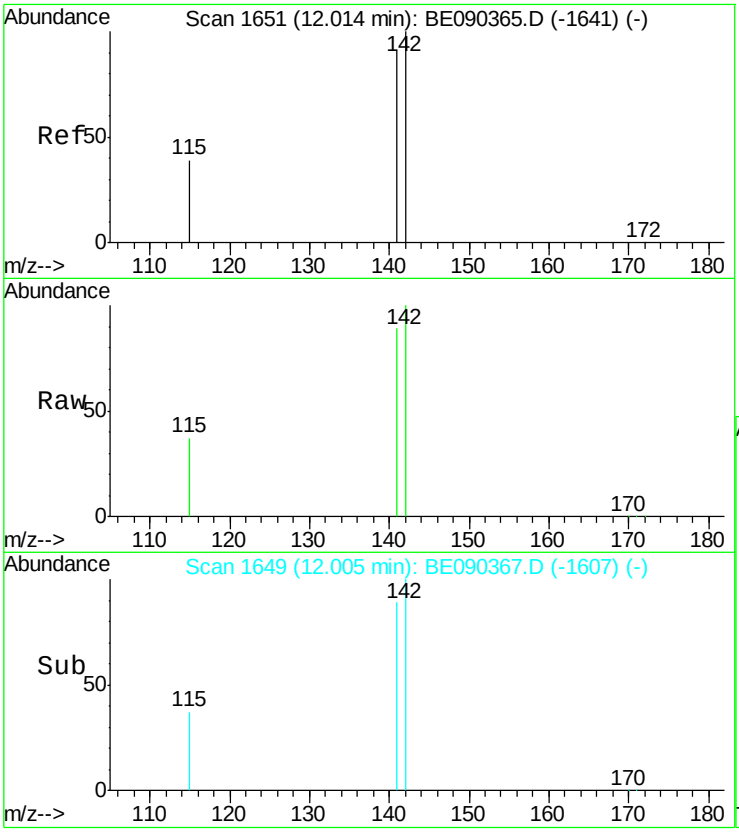


#10
Hexachlorobutadiene
Concen: 5.47 ng
RT: 10.69 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

Tgt Ion:225 Resp: 28929

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.6	75.8
227	63.4	50.7	76.1





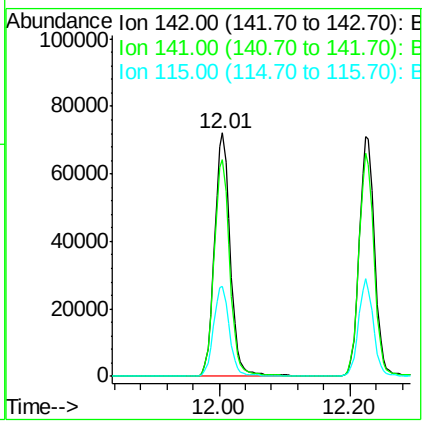
#11
2-Methylnaphthalene
Concen: 5.12 ng
RT: 12.01 min Scan# 1649
Delta R.T. -0.01 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

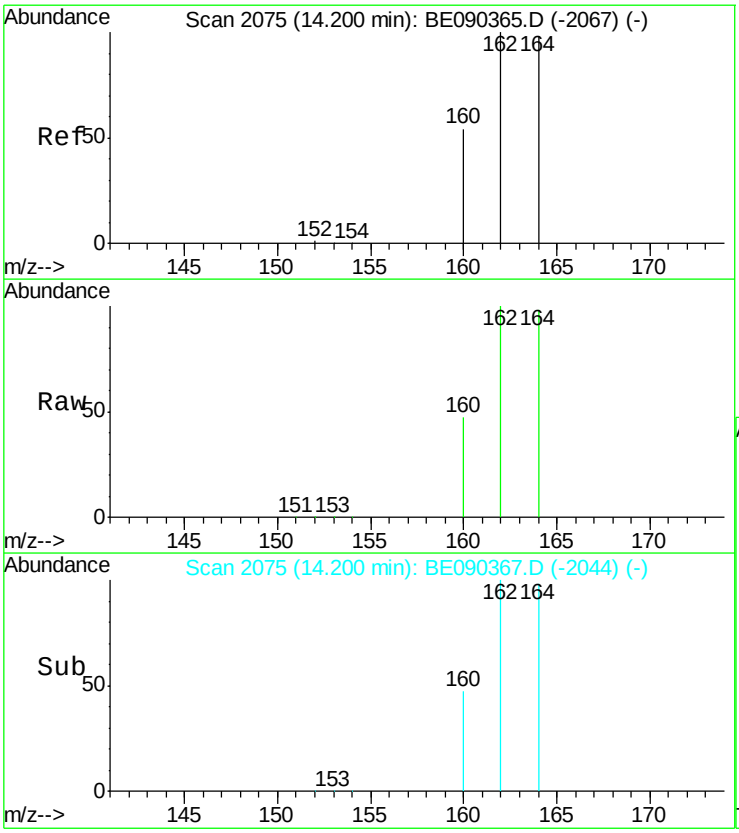
Tgt Ion:142 Resp: 119450

Ion	Ratio	Lower	Upper
142	100		
141	89.1	72.6	109.0
115	37.2	31.6	47.4

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:36 AM

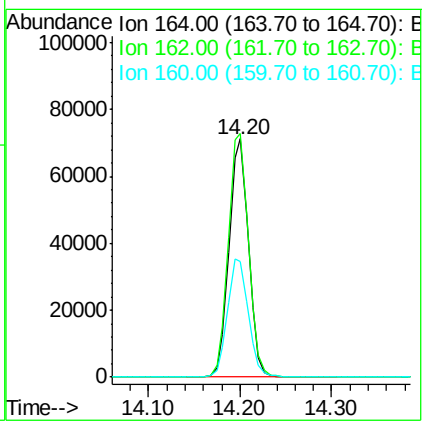


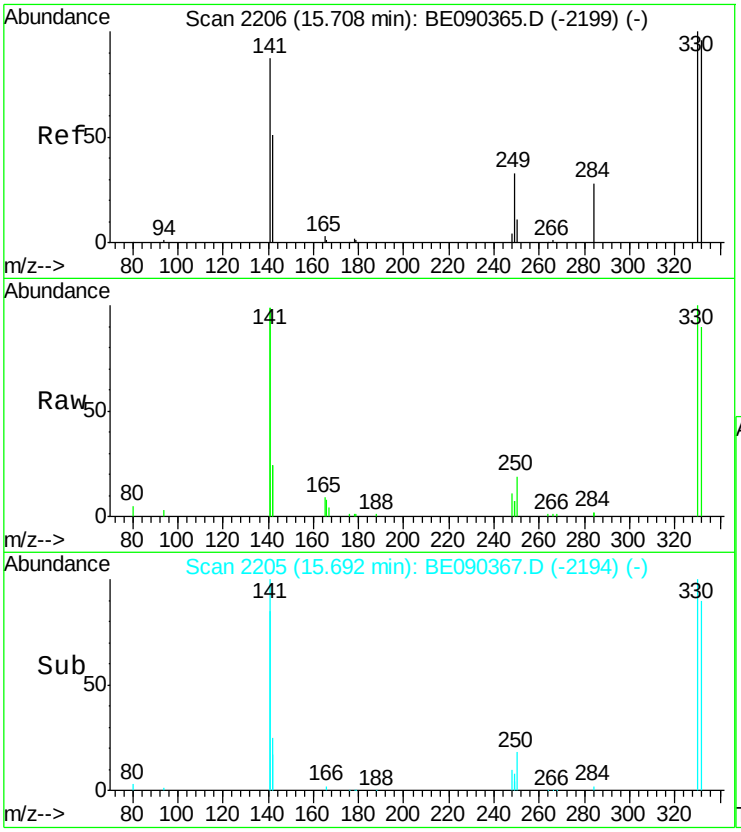


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.20 min Scan# 2075
Delta R.T. 0.00 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

Tgt Ion:164 Resp: 104620

Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.8	122.8
160	48.5	44.2	66.4

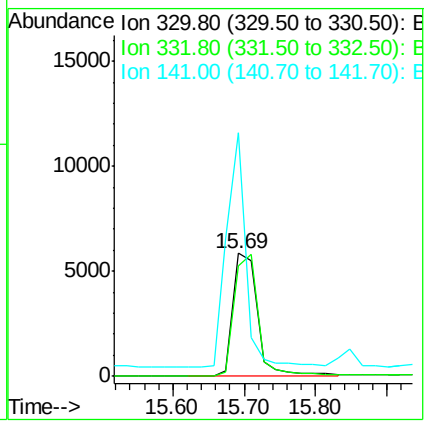




#13
2,4,6-Tribromophenol
Concen: 6.70 ng
RT: 15.69 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

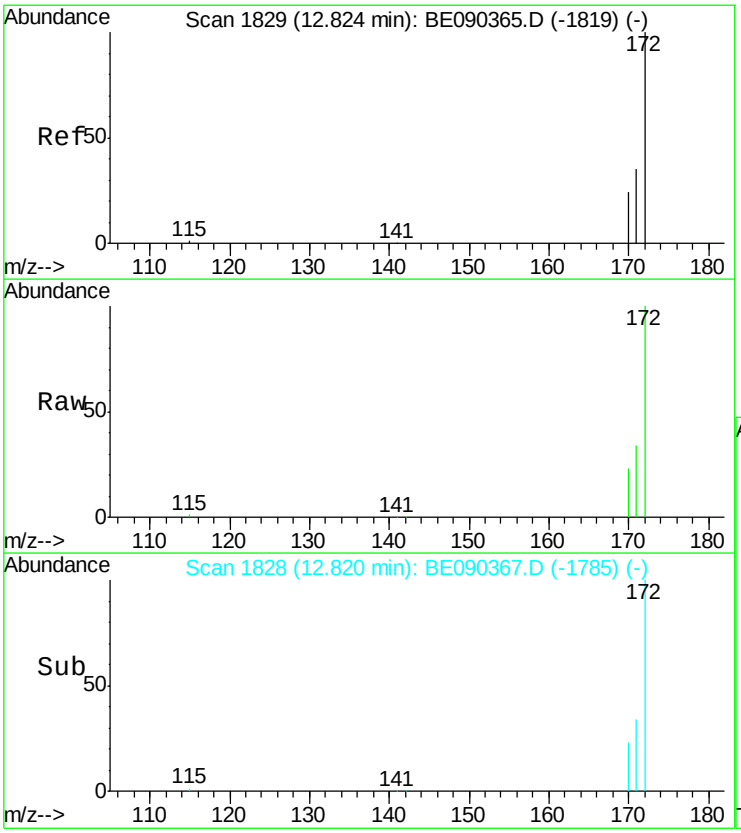
Tgt Ion:330 Resp: 13402

Ion	Ratio	Lower	Upper
330	100		
332	97.0	75.8	113.6
141	155.7	114.4	171.6



Instrument :
BNA_E
ClientSampleId :
SSTDICC005

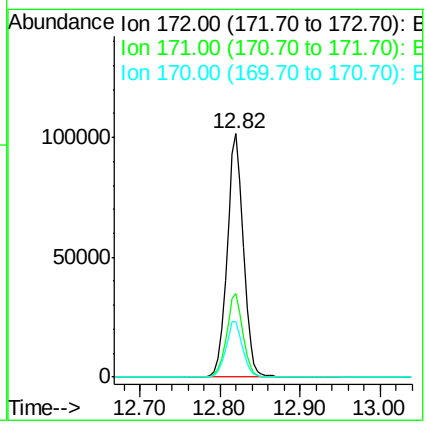
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:36 AM

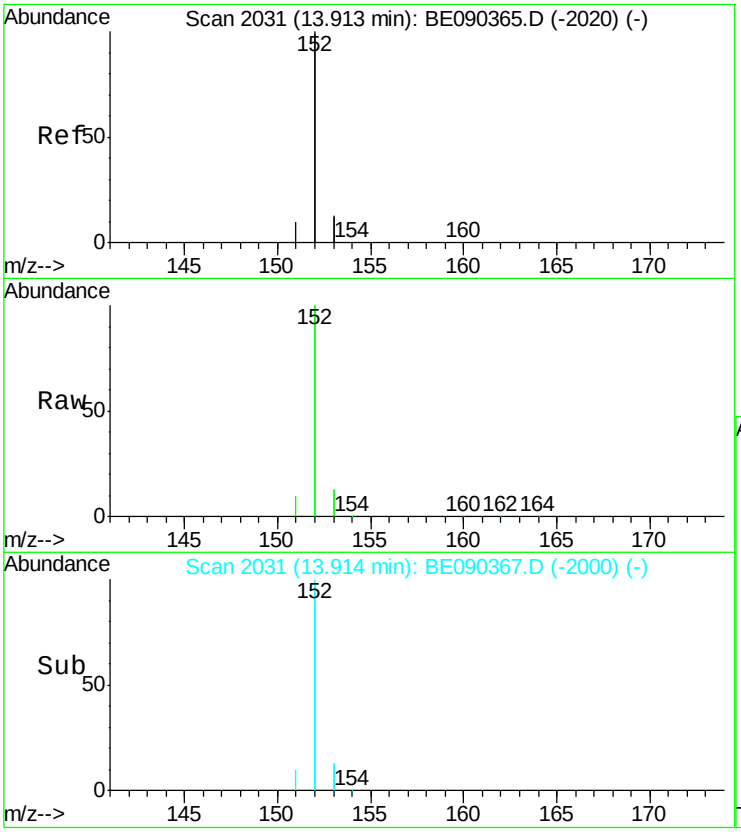


#14
2-Fluorobiphenyl
Concen: 4.75 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

Tgt Ion:172 Resp: 143257

Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.5	42.7
170	22.8	19.8	29.8

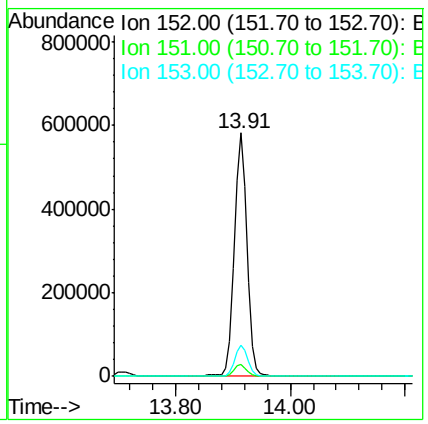




#15
Acenaphthylene
Concen: 4.83 ng
RT: 13.91 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

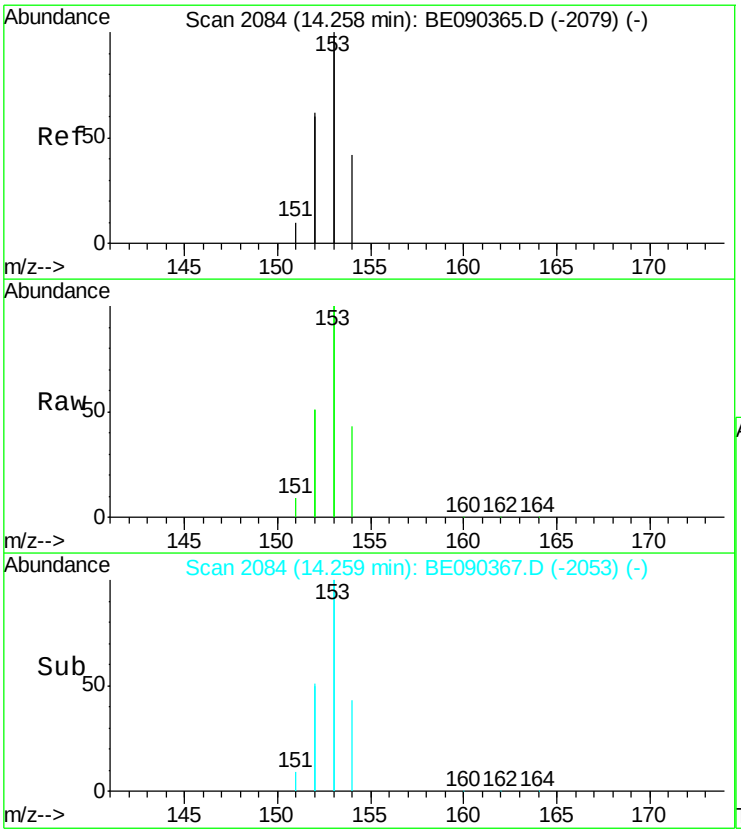
Tgt Ion:152 Resp: 873482

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.8	5.8
153	13.0	10.3	15.5



Instrument :
BNA_E
ClientSampleId :
SSTDICC005

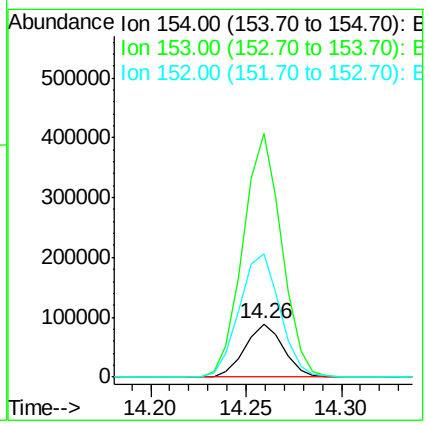
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:36 AM

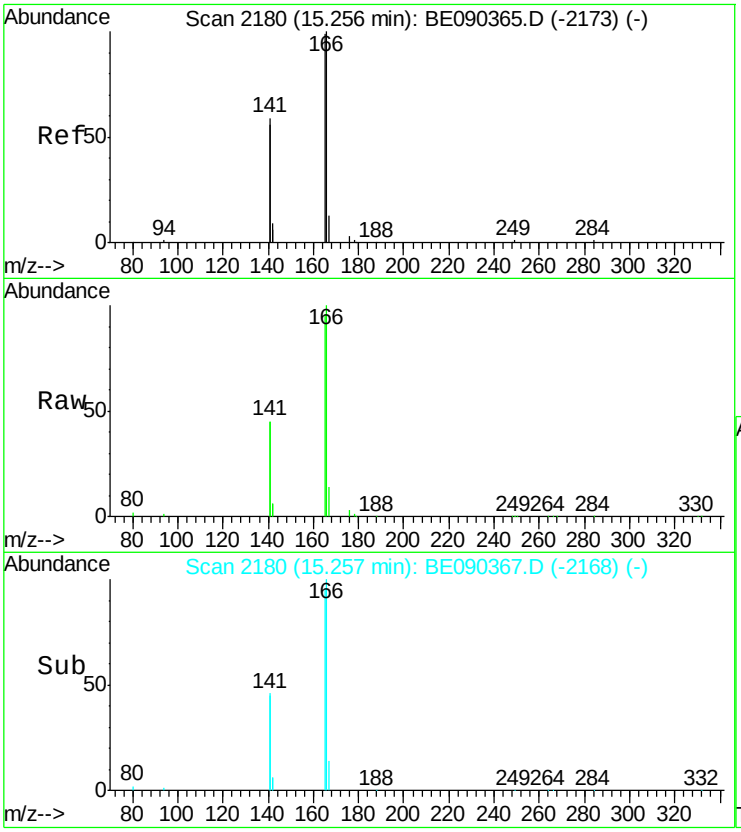


#16
Acenaphthene
Concen: 4.68 ng
RT: 14.26 min Scan# 2084
Delta R.T. 0.00 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

Tgt Ion:154 Resp: 123659

Ion	Ratio	Lower	Upper
154	100		
153	464.3	376.2	564.2
152	248.2	235.0	352.4

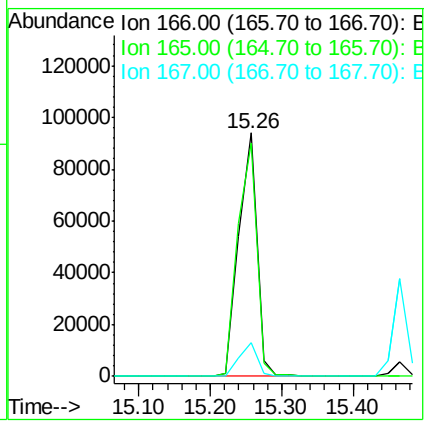




#17
Fluorene
Concen: 5.01 ng
RT: 15.26 min Scan# 2180
Delta R.T. 0.00 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

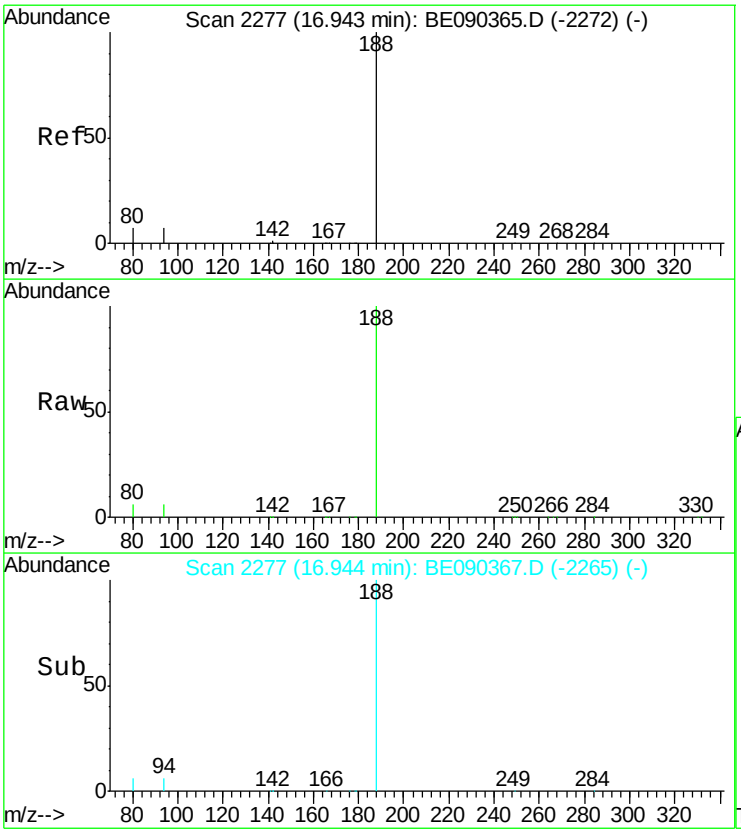
Tgt Ion:166 Resp: 163538

Ion	Ratio	Lower	Upper
166	100		
165	100.5	81.5	122.3
167	13.4	11.4	17.0



Instrument :
BNA_E
ClientSampleId :
SSTDICC005

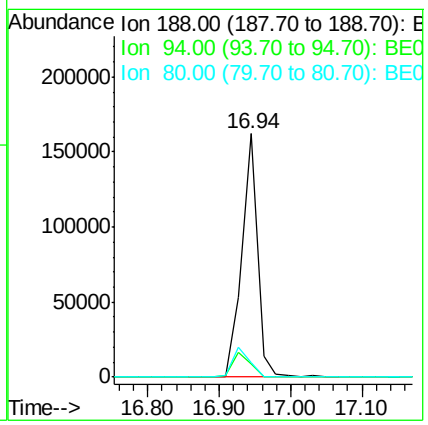
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:36 AM

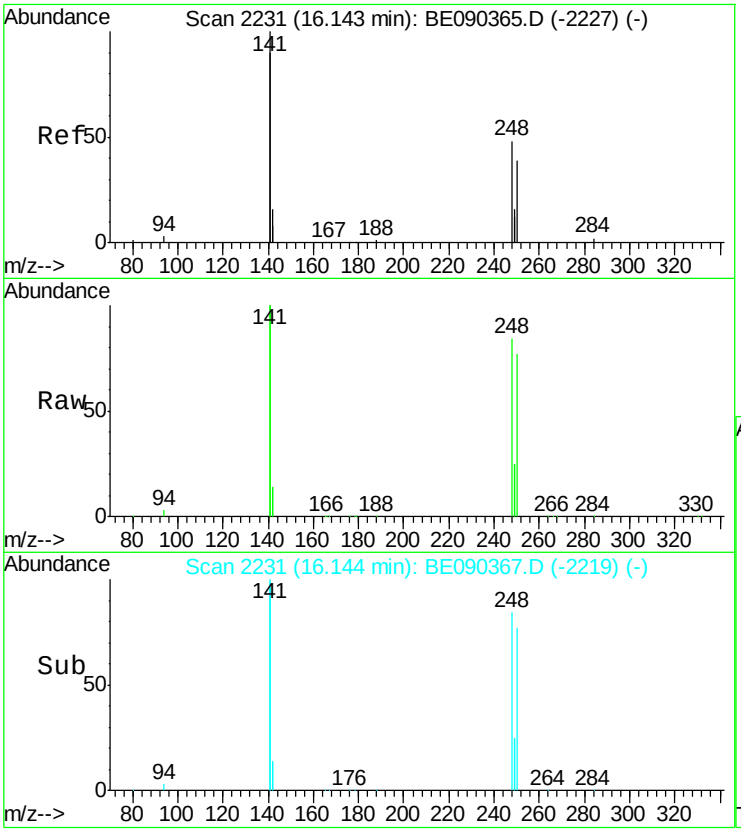


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

Tgt Ion:188 Resp: 244698

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

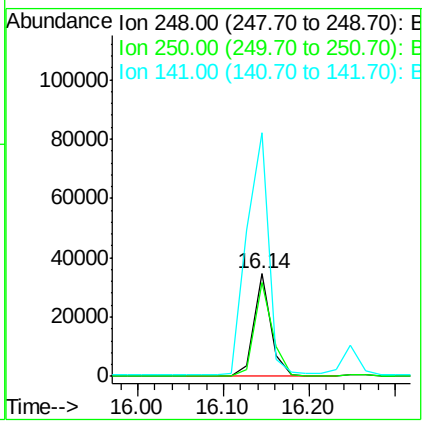




#19
4-Bromophenyl-phenylether
Concen: 5.29 ng
RT: 16.14 min Scan# 2231
Delta R.T. 0.00 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

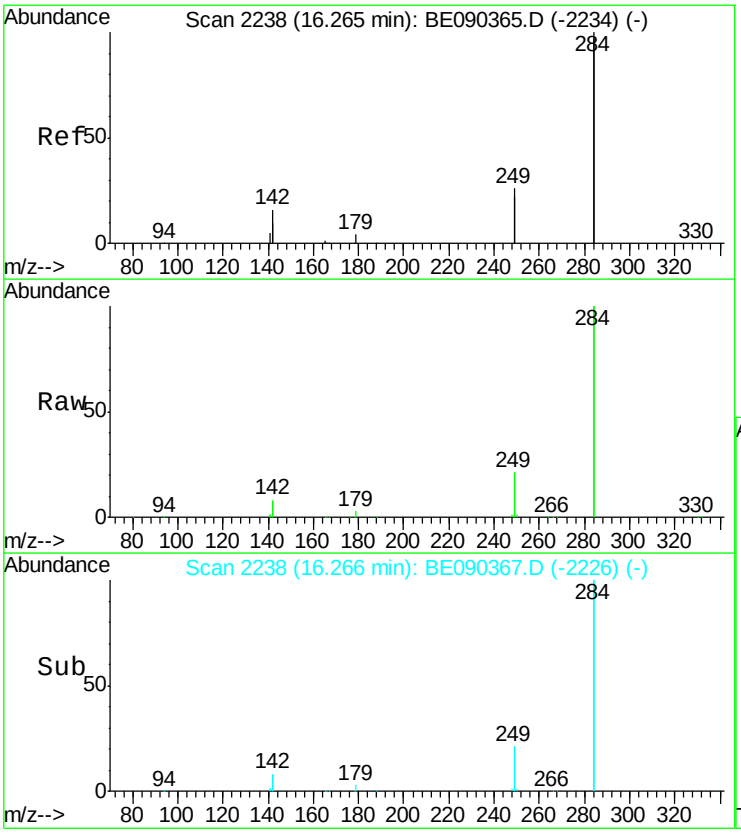
Tgt Ion:248 Resp: 48547

Ion	Ratio	Lower	Upper
248	100		
250	96.6	79.0	118.6
141	298.0	239.5	359.3



Instrument :
BNA_E
ClientSampleId :
SSTDICC005

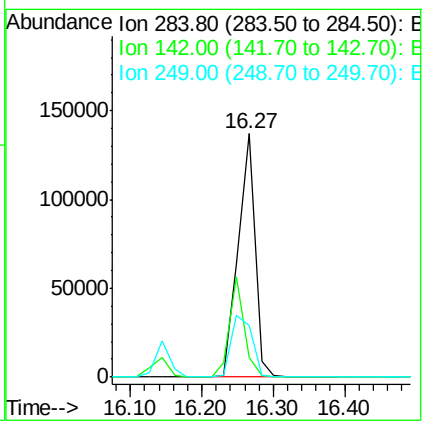
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:36 AM

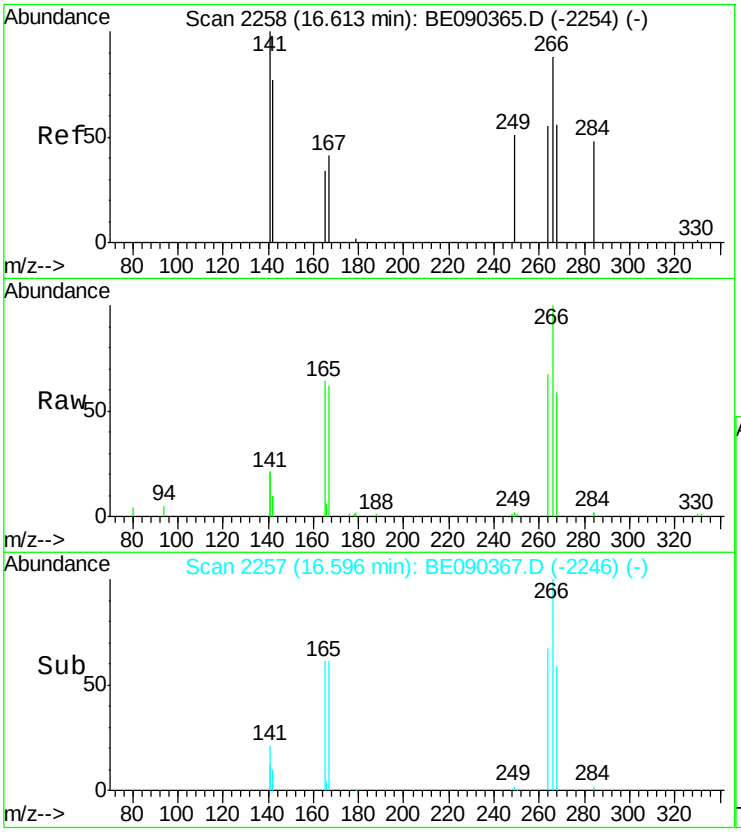


#20
Hexachlorobenzene
Concen: 6.04 ng
RT: 16.27 min Scan# 2238
Delta R.T. 0.00 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

Tgt Ion:284 Resp: 220344

Ion	Ratio	Lower	Upper
284	100		
142	35.6	30.1	45.1
249	31.2	25.7	38.5

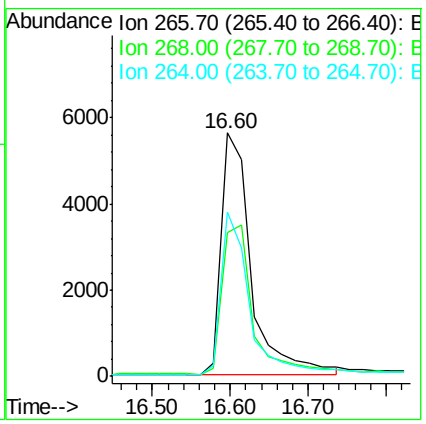




#21
Pentachlorophenol
Concen: 5.77 ng
RT: 16.60 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

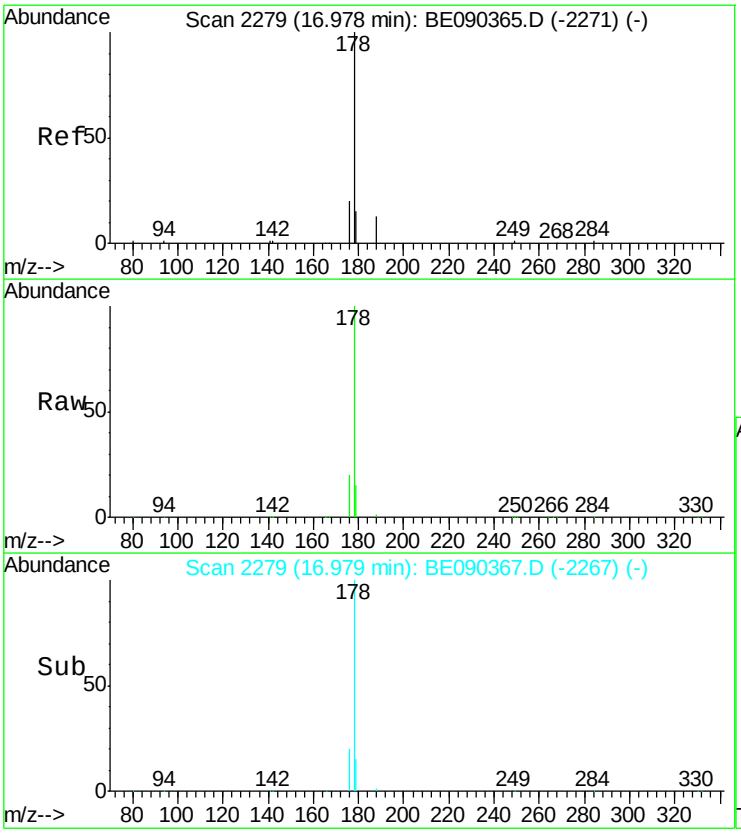
Tgt Ion:266 Resp: 14849

Ion	Ratio	Lower	Upper
266	100		
268	59.2	58.5	87.7
264	67.3	56.0	84.0



Instrument :
BNA_E
ClientSampleId :
SSTDICC005

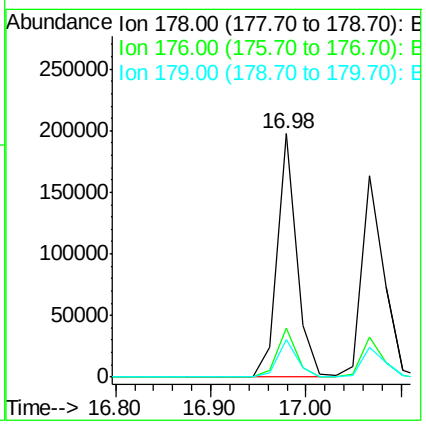
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:36 AM

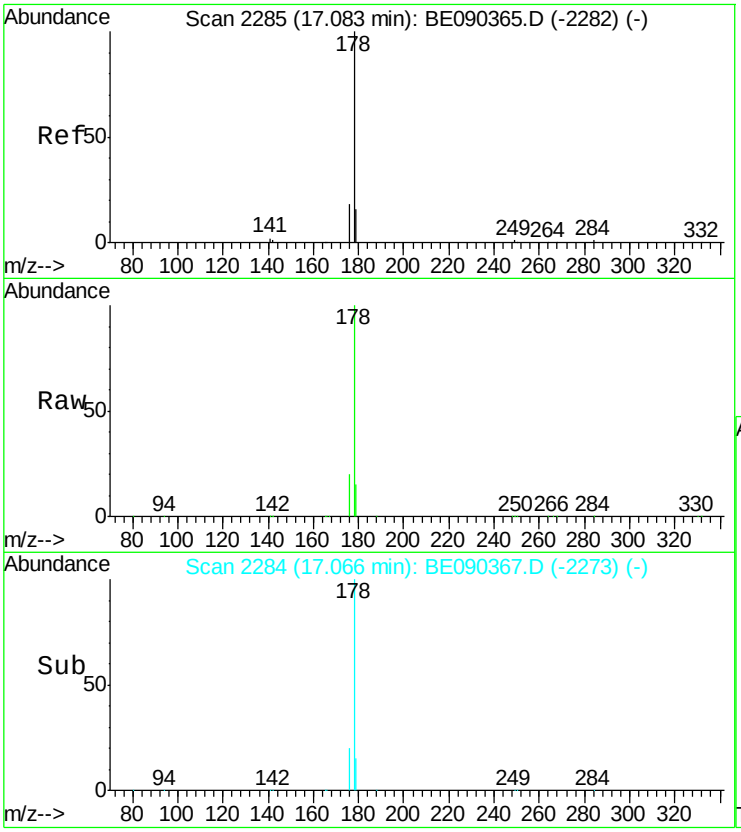


#22
Phenanthrene
Concen: 4.94 ng
RT: 16.98 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

Tgt Ion:178 Resp: 279548

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.2
179	15.4	12.5	18.7

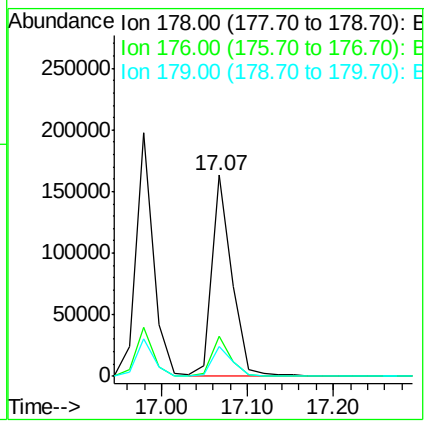




#23
Anthracene
Concen: 5.28 ng
RT: 17.07 min Scan# 2284
Delta R.T. -0.02 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

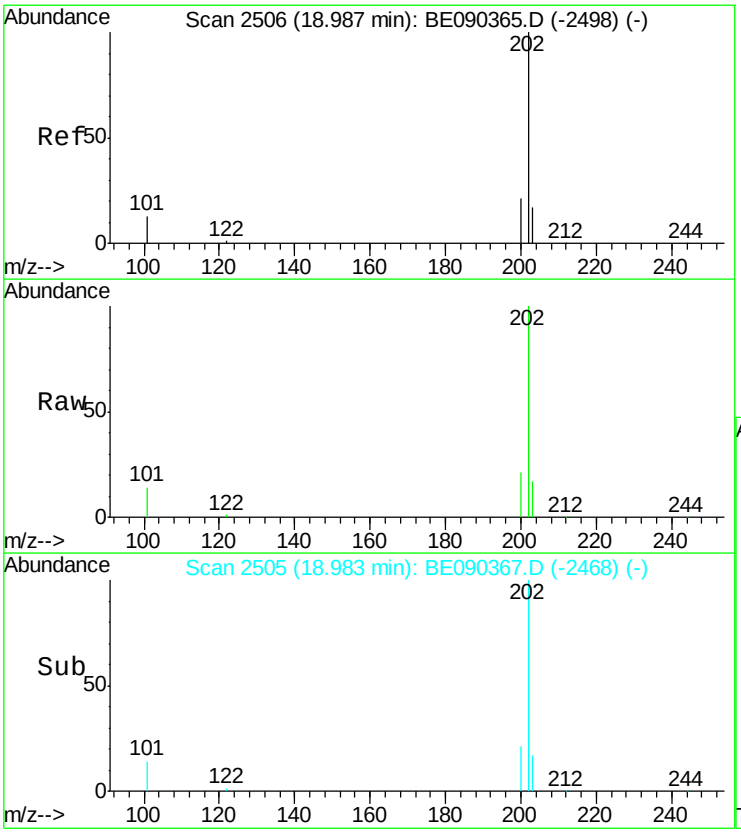
Tgt Ion:178 Resp: 264420

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.4	12.2	18.4



Instrument :
BNA_E
ClientSampleId :
SSTDICC005

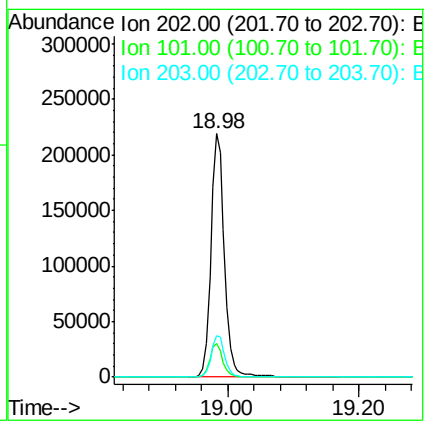
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:36 AM

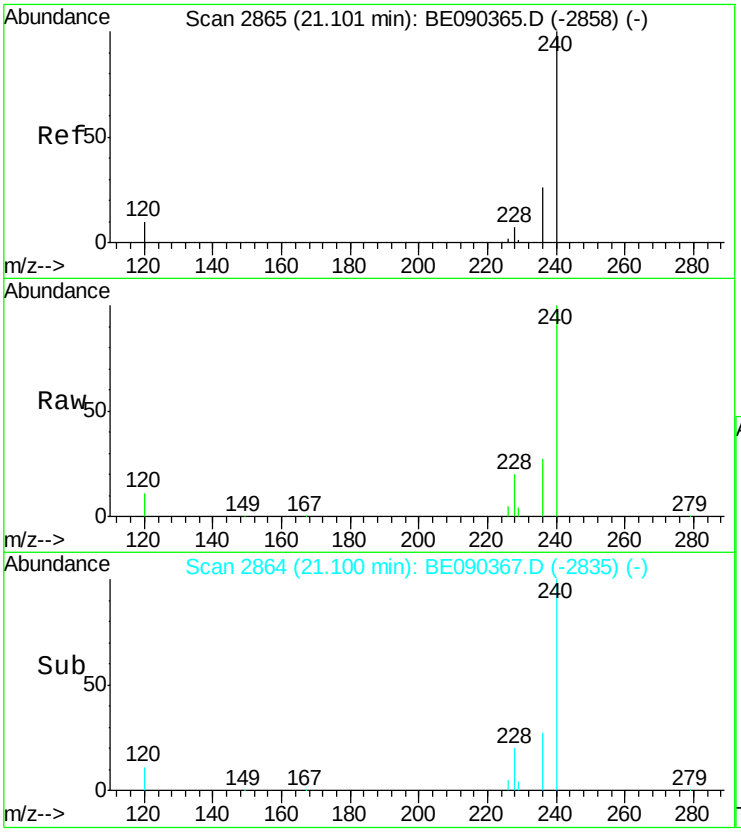


#24
Fluoranthene
Concen: 5.55 ng
RT: 18.98 min Scan# 2505
Delta R.T. -0.00 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

Tgt Ion:202 Resp: 314135

Ion	Ratio	Lower	Upper
202	100		
101	13.3	10.3	15.5
203	17.4	13.7	20.5

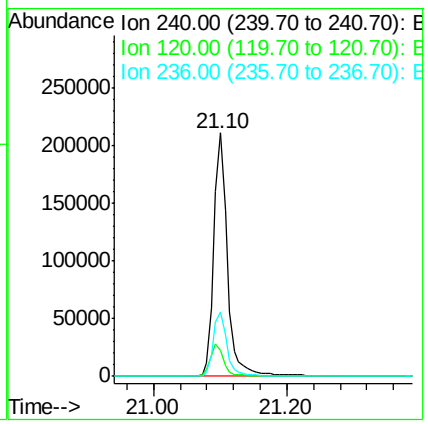




#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.10 min Scan# 2864
Delta R.T. -0.00 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

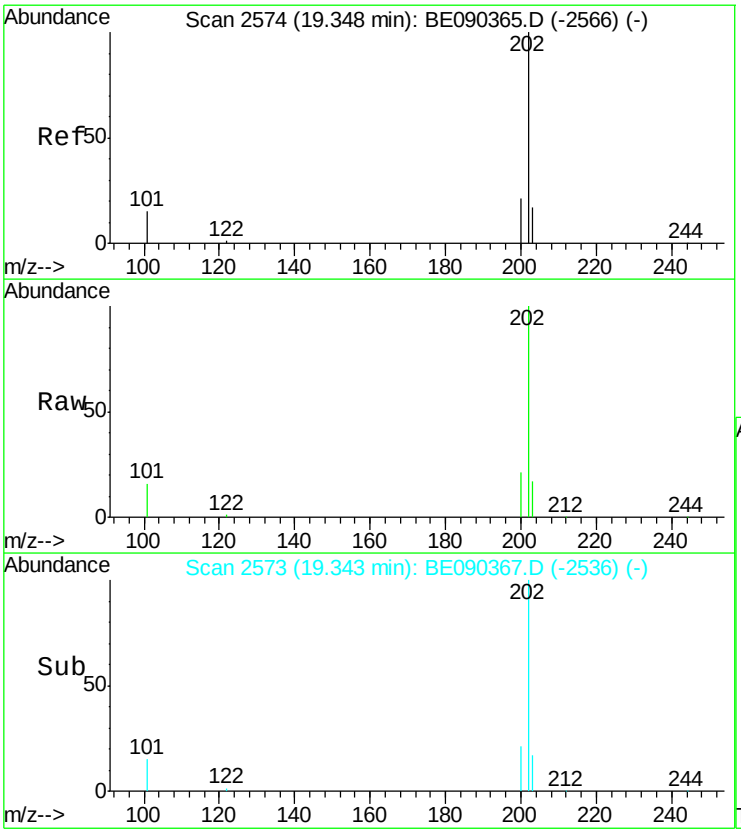
Tgt Ion:240 Resp: 294174

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.3	12.5
236	26.6	21.0	31.4



Instrument :
BNA_E
ClientSampleId :
SSTDICC005

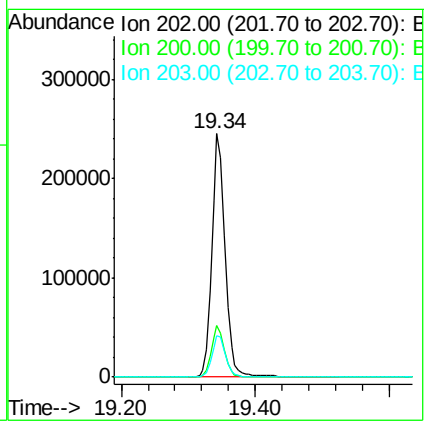
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:36 AM

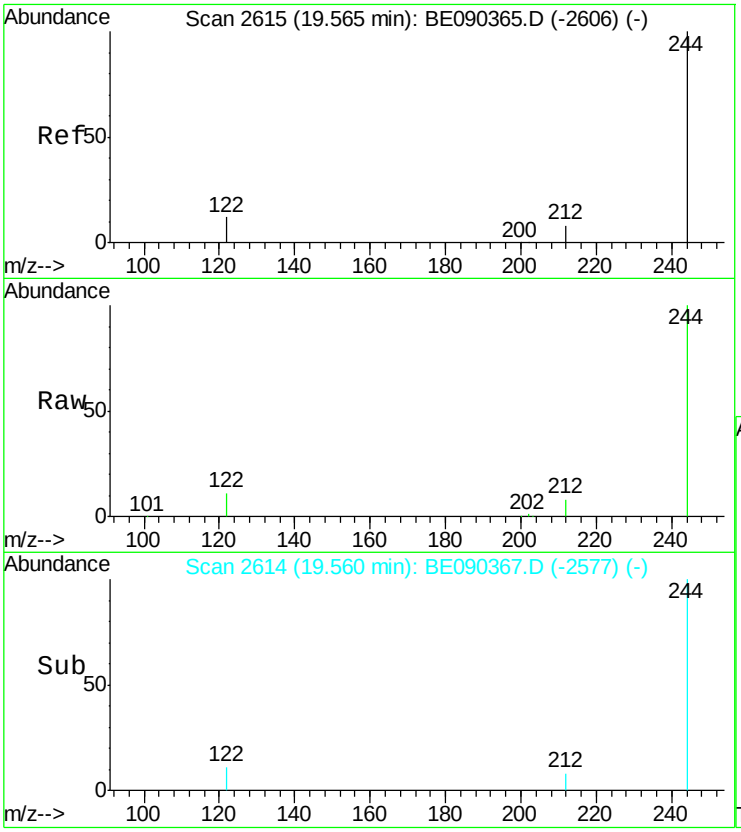


#26
Pyrene
Concen: 4.37 ng
RT: 19.34 min Scan# 2573
Delta R.T. -0.00 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

Tgt Ion:202 Resp: 335210

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.5	13.8	20.8

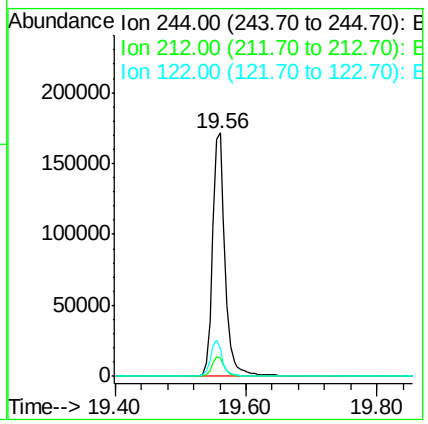




#27
Terphenyl-d14
Concen: 4.31 ng
RT: 19.56 min Scan# 2614
Delta R.T. -0.00 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

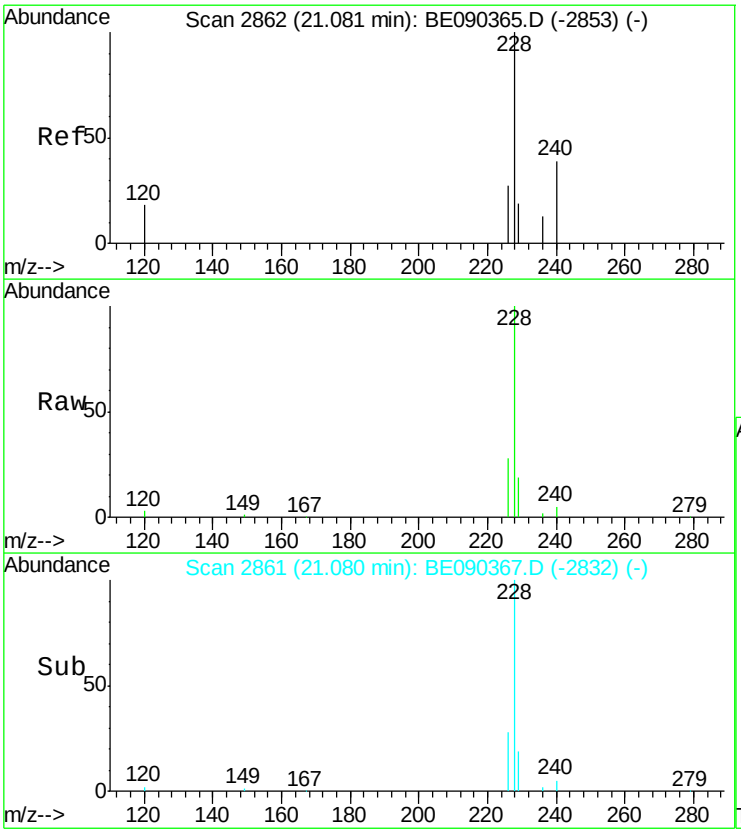
Tgt Ion:244 Resp: 229271

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.6	9.8
122	11.2	10.2	15.4



Instrument :
BNA_E
ClientSampleId :
SSTDICC005

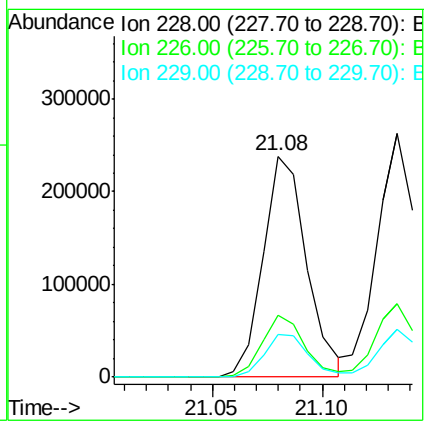
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:36 AM

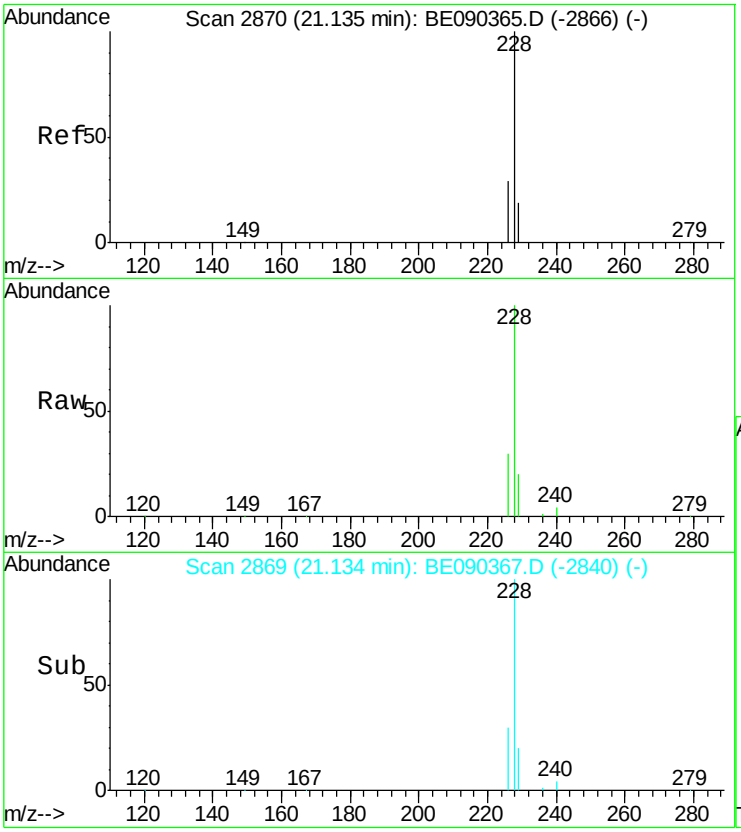


#28
Benzo(a)anthracene
Concen: 5.80 ng
RT: 21.08 min Scan# 2861
Delta R.T. -0.00 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

Tgt Ion:228 Resp: 330782

Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.9	32.9
229	19.4	15.4	23.0

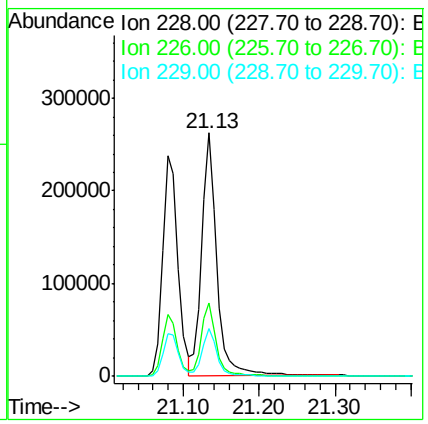




#29
Chrysene
Concen: 5.52 ng
RT: 21.13 min Scan# 2869
Delta R.T. -0.00 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

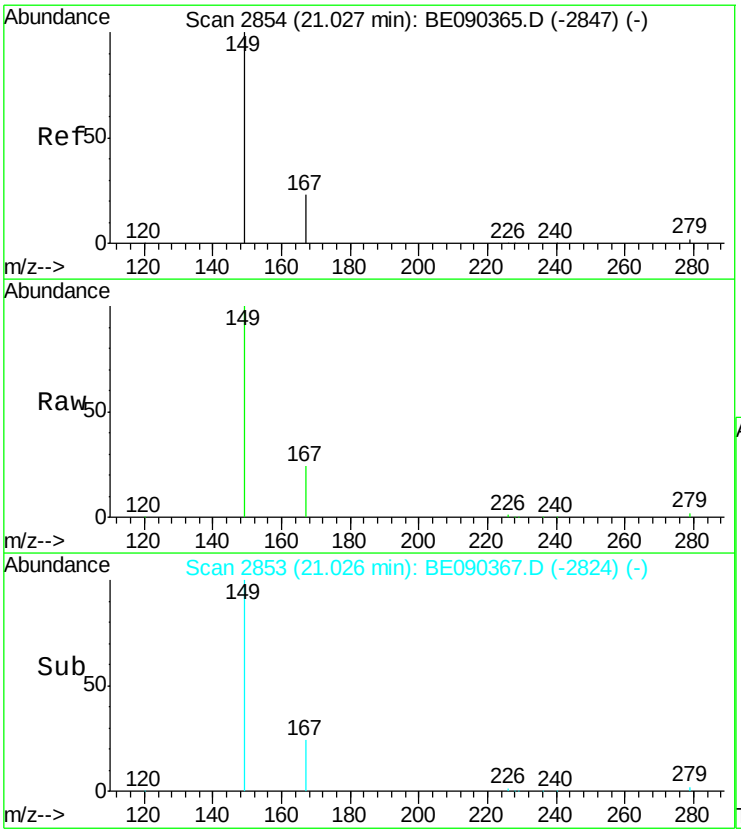
Tgt Ion:228 Resp: 367280

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.1	34.7
229	19.7	15.8	23.8



Instrument :
BNA_E
ClientSampleId :
SSTDICC005

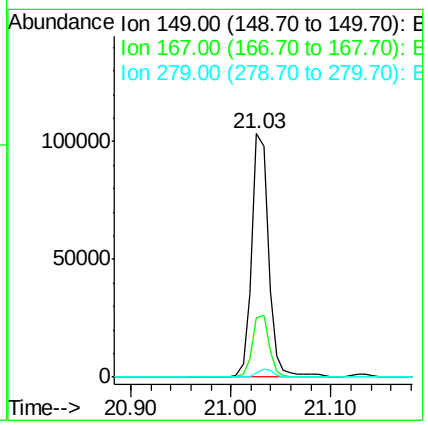
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:36 AM

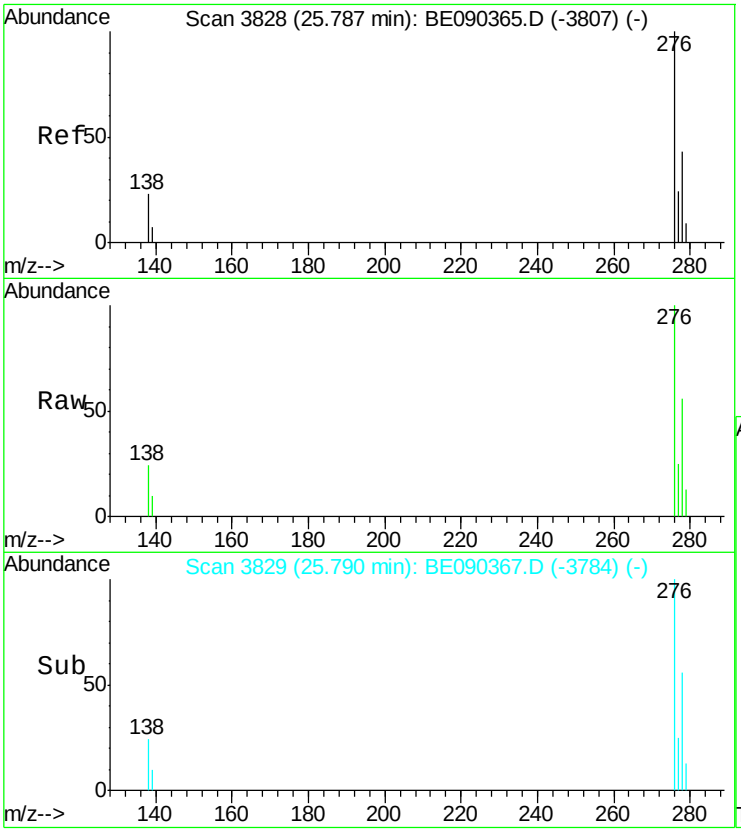


#30
Bis(2-ethylhexyl)phthalate
Concen: 4.74 ng
RT: 21.03 min Scan# 2853
Delta R.T. -0.00 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

Tgt Ion:149 Resp: 121330

Ion	Ratio	Lower	Upper
149	100		
167	25.2	19.8	29.8
279	3.2	2.4	3.6

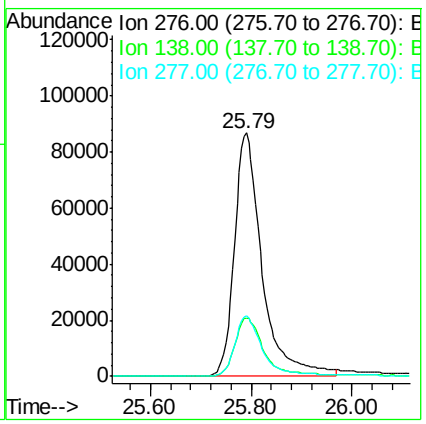




#31
Indeno(1,2,3-cd)pyrene
Concen: 7.27 ng
RT: 25.79 min Scan# 3829
Delta R.T. 0.00 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

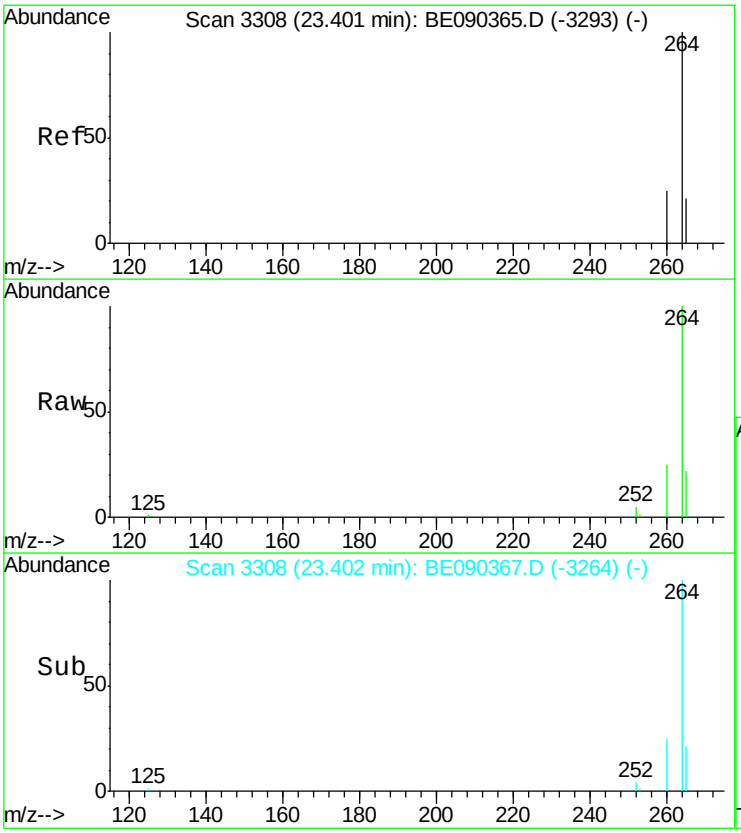
Tgt Ion:276 Resp: 330535

Ion	Ratio	Lower	Upper
276	100		
138	25.2	18.8	28.2
277	24.9	18.2	27.4



Instrument :
BNA_E
ClientSampleId :
SSTDICC005

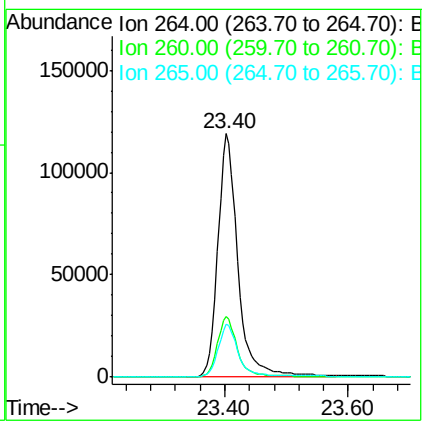
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:36 AM

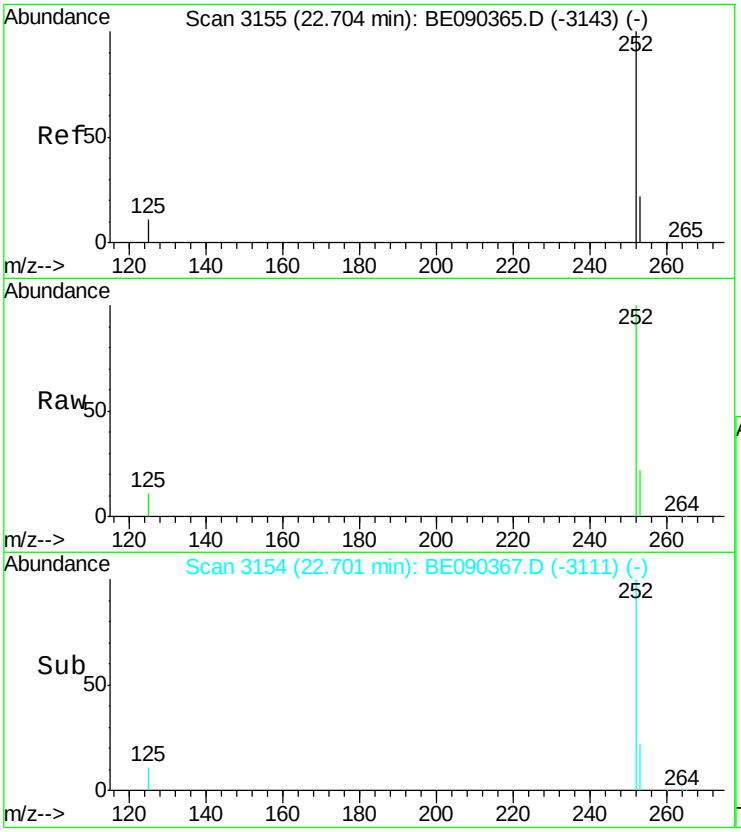


#32
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 3308
Delta R.T. 0.00 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

Tgt Ion:264 Resp: 268841

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





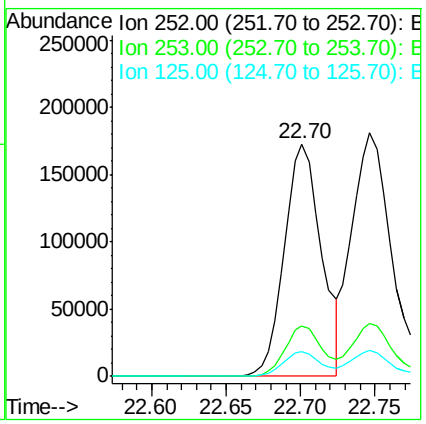
#33
Benzo(b)fluoranthene
Concen: 5.67 ng
RT: 22.70 min Scan# 3154
Delta R.T. -0.00 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

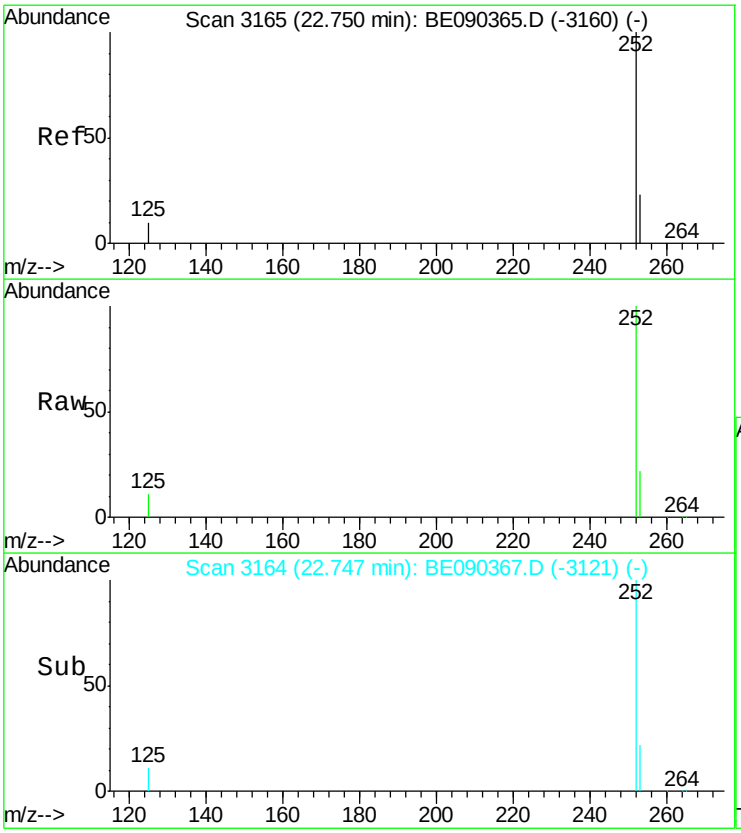
Tgt Ion:252 Resp: 298481

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.1	27.1
125	10.7	9.4	14.2

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:36 AM

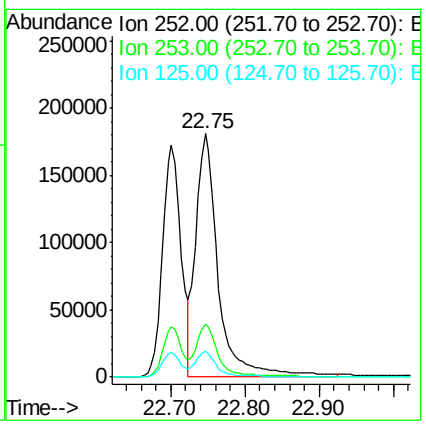


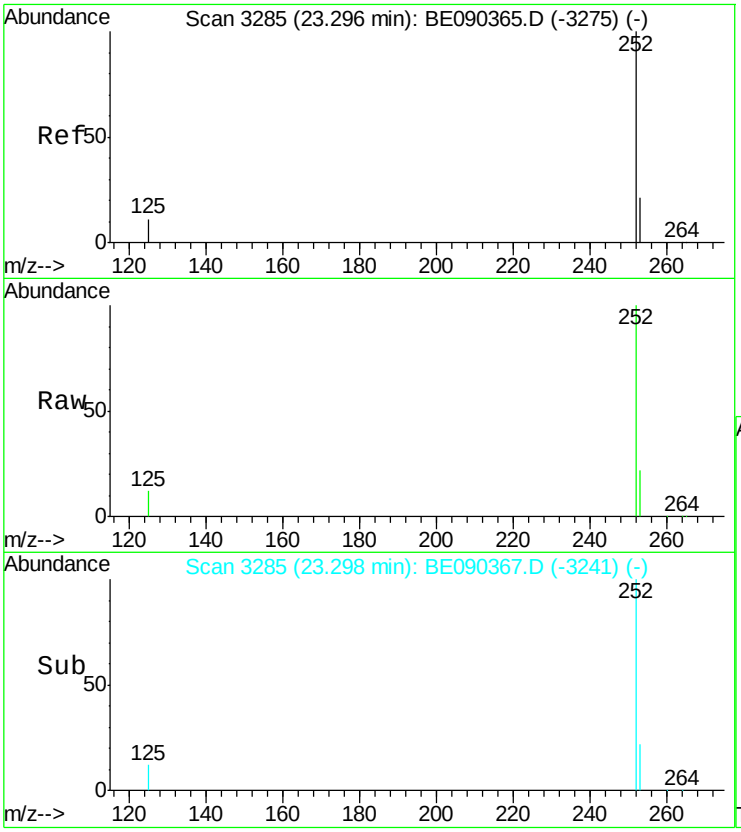


#34
Benzo(k)fluoranthene
Concen: 5.22 ng m
RT: 22.75 min Scan# 3164
Delta R.T. -0.00 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

Tgt Ion:252 Resp: 377835

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1
125	10.7	9.1	13.7

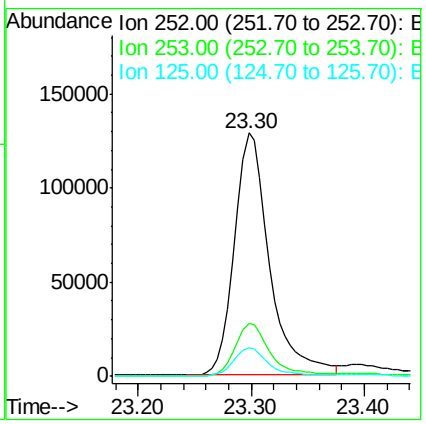




#35
Benzo(a)pyrene
Concen: 5.63 ng
RT: 23.30 min Scan# 3285
Delta R.T. 0.00 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

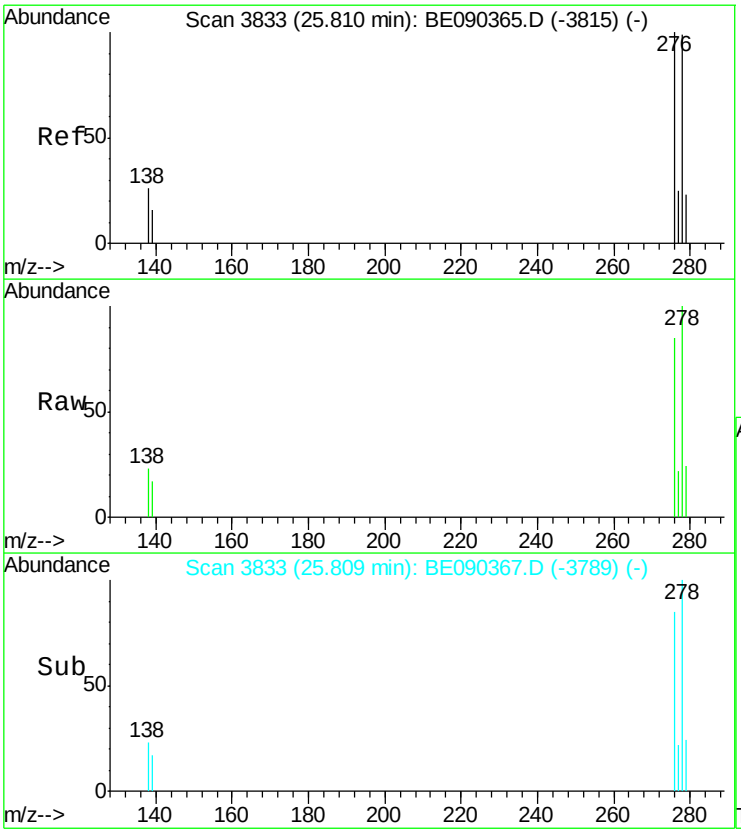
Tgt Ion:252 Resp: 273048

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.7	9.8	14.6



Instrument :
BNA_E
ClientSampleId :
SSTDICC005

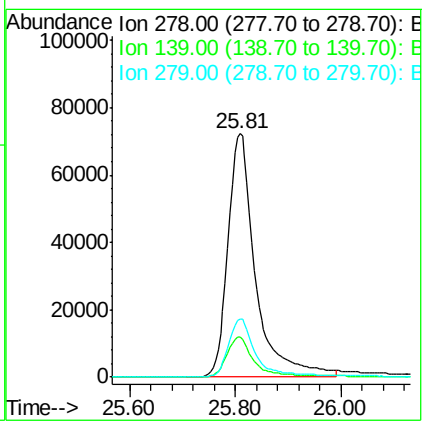
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:36 AM

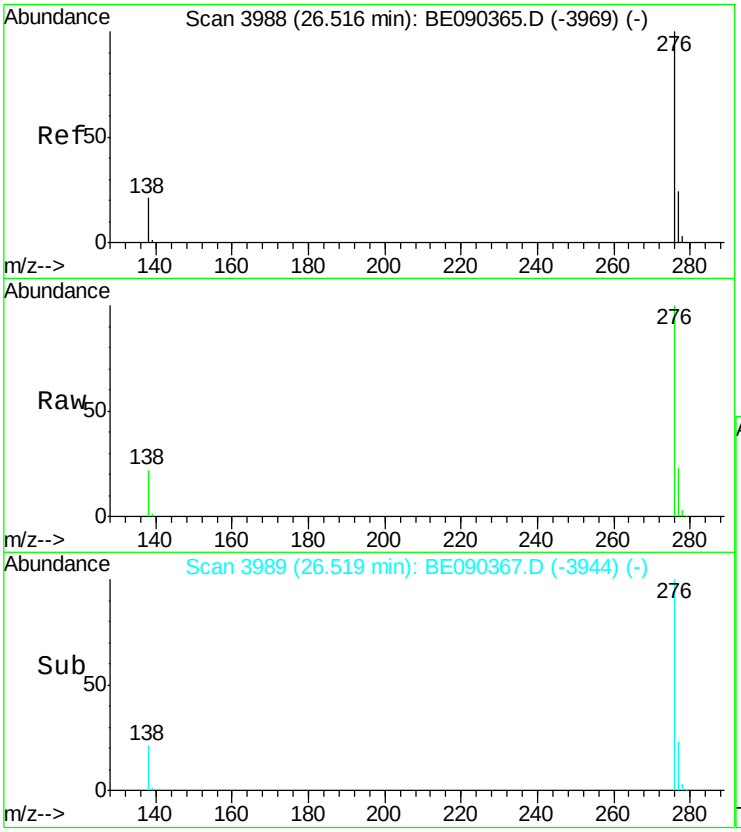


#36
Dibenzo(a,h)anthracene
Concen: 7.09 ng
RT: 25.81 min Scan# 3833
Delta R.T. -0.00 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

Tgt Ion:278 Resp: 262379

Ion	Ratio	Lower	Upper
278	100		
139	16.6	14.2	21.4
279	23.6	20.1	30.1

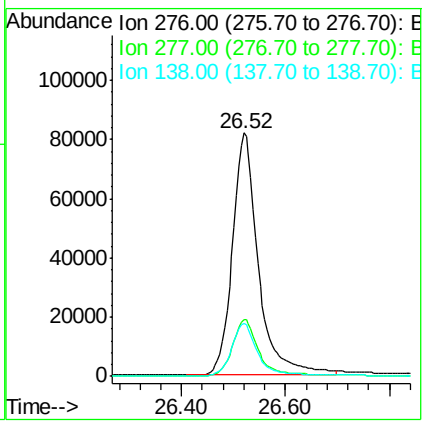




#37
Benzo(g,h,i)perylene
Concen: 5.65 ng
RT: 26.52 min Scan# 3989
Delta R.T. 0.00 min
Lab File: BE090367.D
Acq: 5 Aug 2015 19:53

Tgt Ion:276 Resp: 284207

Ion	Ratio	Lower	Upper
276	100		
277	23.4	20.1	30.1
138	21.5	18.1	27.1



Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:36 AM