Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080515\
Data File : BE090366.D
Acq On : 5 Aug 2015 19:17
Operator : TP/UM
Sample : SSTDICC002
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC002

Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:31 AM

Quant Time: Aug 06 02:11:42 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	42463	5.00	ng		0.00
6) Naphthalene-d8	10.34	136	194027	5.00	ng		0.00
12) Acenaphthene-d10	14.20	164	113524	5.00	ng		0.00
18) Phenanthrene-d10	16.94	188	258712	5.00	ng		0.00
25) Chrysene-d12	21.10	240	318568	5.00	ng		0.00
32) Perylene-d12	23.40	264	296844	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.22	112	11841	1.51	ng		0.00
5) Phenol-d6	6.77	99	20948	2.09	ng		0.00
7) Nitrobenzene-d5	8.72	82	25778	2.22	ng		0.00
13) 2,4,6-Tribromophenol	15.69	330	3835	2.40	ng		-0.02
14) 2-Fluorobiphenyl	12.82	172	57330	1.75	ng		0.00
27) Terphenyl-d14	19.56	244	89504	1.55	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.20	88	9926	1.89	ng		98
3) n-Nitrosodimethylamine	3.49	42	12439	1.76	ng	#	92
8) Nitrobenzene	8.77	77	27756	2.32	ng		98
9) Naphthalene	10.39	128	75153	1.80	ng		98
10) Hexachlorobutadiene	10.69	225	12770	2.20	ng		100
11) 2-Methylnaphthalene	12.01	142	46590	1.82	ng		99
15) Acenaphthylene	13.91	152	340465	1.73	ng		100
16) Acenaphthene	14.26	154	50118	1.75	ng		93
17) Fluorene	15.26	166	66863	1.89	ng		98
19) 4-Bromophenyl-phenylether	16.14	248	18920	1.95	ng		99
20) Hexachlorobenzene	16.27	284	91471	2.37	ng		97
21) Pentachlorophenol	16.60	266	4002	2.13	ng		93
22) Phenanthrene	16.98	178	113737	1.90	ng		100
23) Anthracene	17.07	178	103598	1.96	ng		100
24) Fluoranthene	18.99	202	121688	2.03	ng		100
26) Pyrene	19.35	202	131087	1.58	ng		100
28) Benzo(a)anthracene	21.08	228	129378	2.09	ng		99
29) Chrysene	21.13	228	152498	2.08	ng		99
30) Bis(2-ethylhexyl)phthalate	21.03	149	33075	1.63	ng		99
31) Indeno(1,2,3-cd)pyrene	25.79	276	119787	2.99	ng		96
33) Benzo(b)fluoranthene	22.70	252	107252	2.05	ng		98
34) Benzo(k)fluoranthene	22.75	252	152914m	1.91	ng		
35) Benzo(a)pyrene	23.30	252	98294	2.02	ng		100
36) Dibenzo(a,h)anthracene	25.81	278	92554	2.94	ng		97
37) Benzo(g,h,i)perylene	26.52	276	104865	2.03	ng		98

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

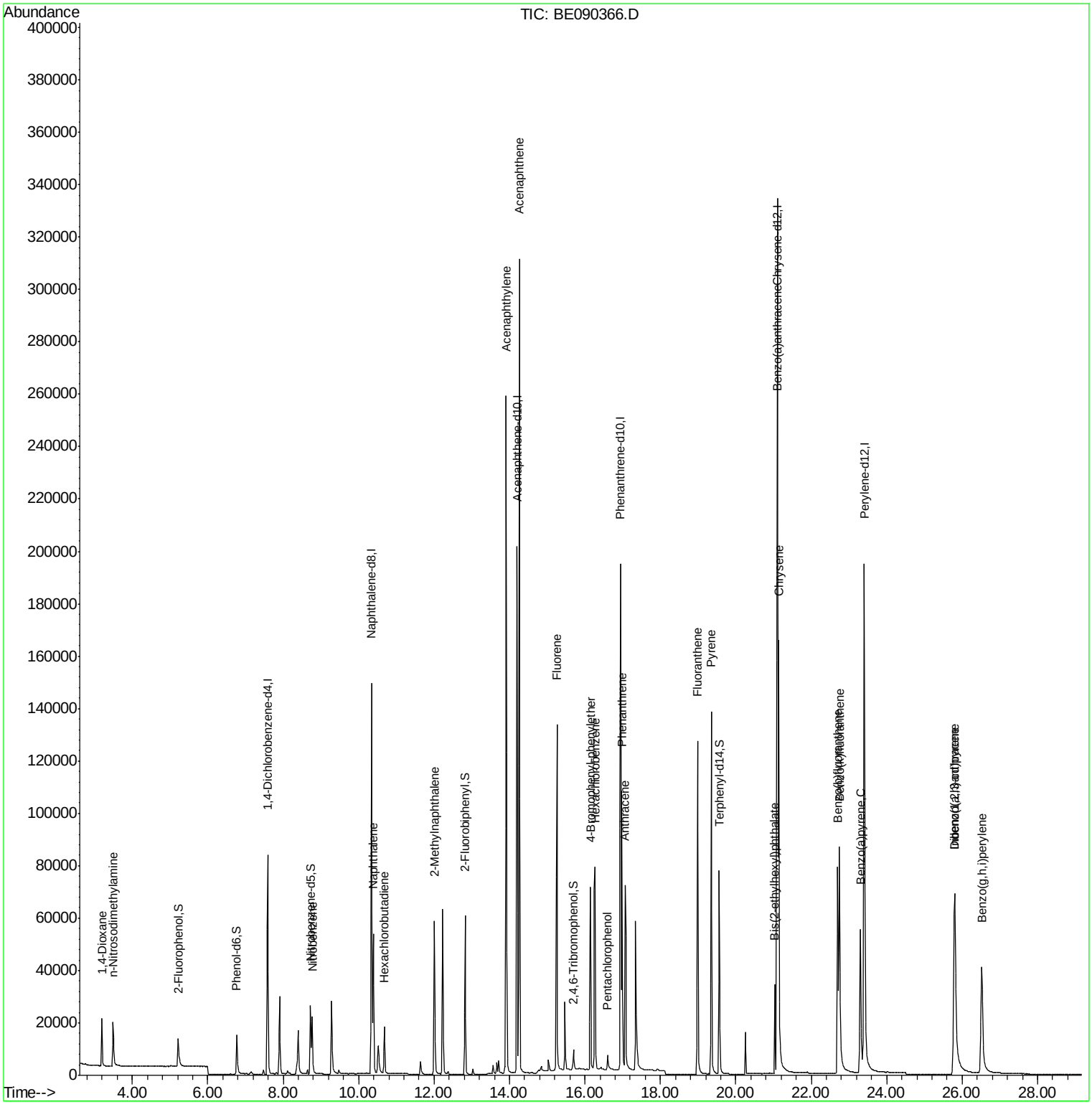
Quantitation Report (QT Reviewed)

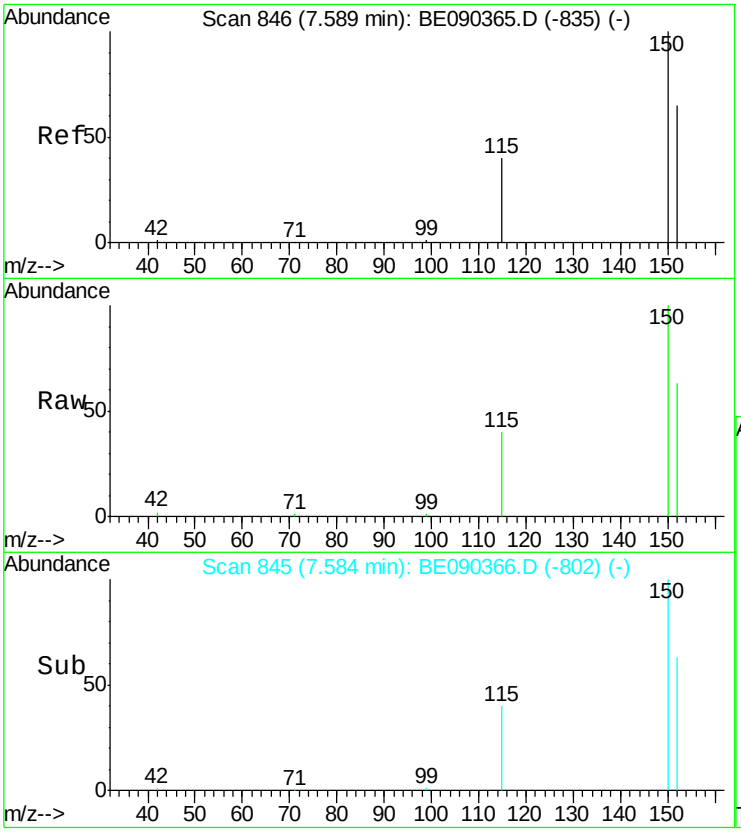
Data Path : Z:\HPCHEM1\BNA E\DATA\BE080515\
Data File : BE090366.D
Acq On : 5 Aug 2015 19:17
Operator : TP/UM
Sample : SSTDICC002
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 06 02:11:42 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 :
SSTDICC002

Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:31 AM

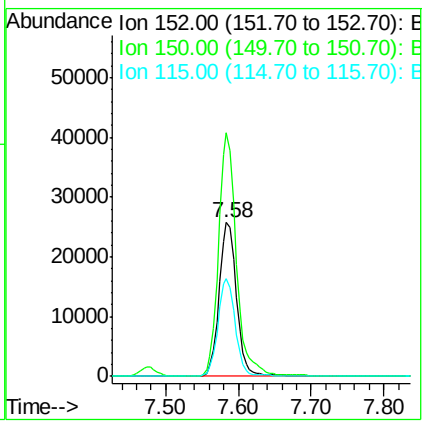




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 845
Delta R.T. -0.01 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

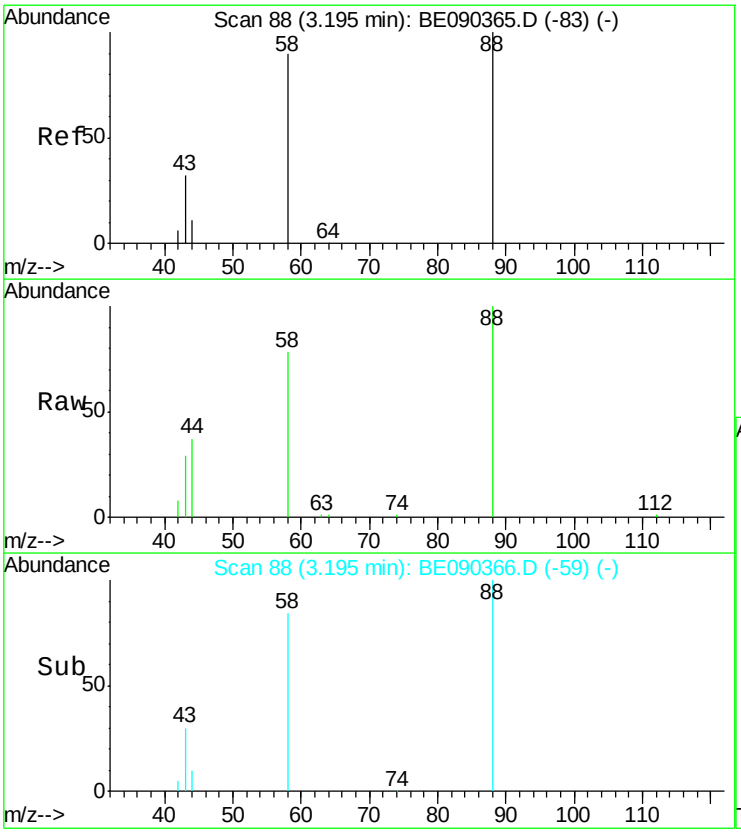
Tgt Ion:152 Resp: 42463

Ion	Ratio	Lower	Upper
152	100		
150	158.4	123.0	184.4
115	63.8	48.9	73.3



Instrument :
BNA_E
ClientSampleId :
SSTDICC002

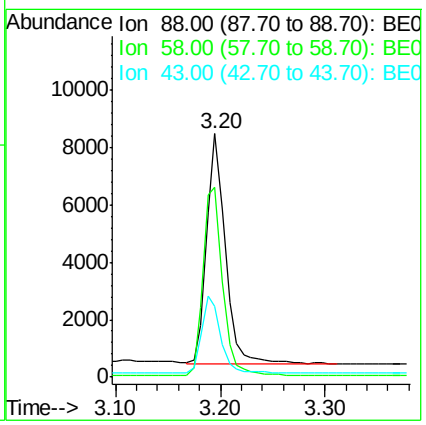
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:31 AM

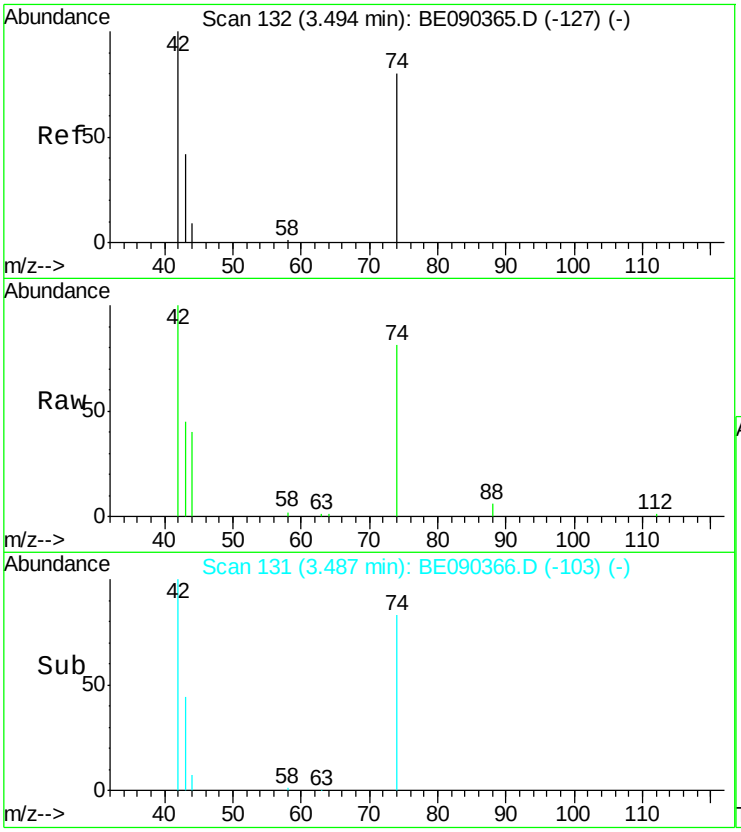


#2
1,4-Dioxane
Concen: 1.89 ng
RT: 3.20 min Scan# 88
Delta R.T. -0.00 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

Tgt Ion: 88 Resp: 9926

Ion	Ratio	Lower	Upper
88	100		
58	86.4	70.0	105.0
43	33.7	28.4	42.6

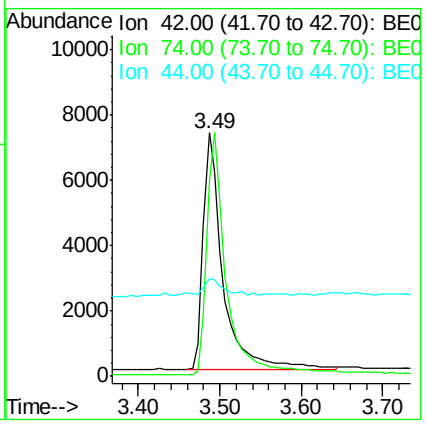




#3
n-Nitrosodimethylamine
Concen: 1.76 ng
RT: 3.49 min Scan# 131
Delta R.T. -0.01 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

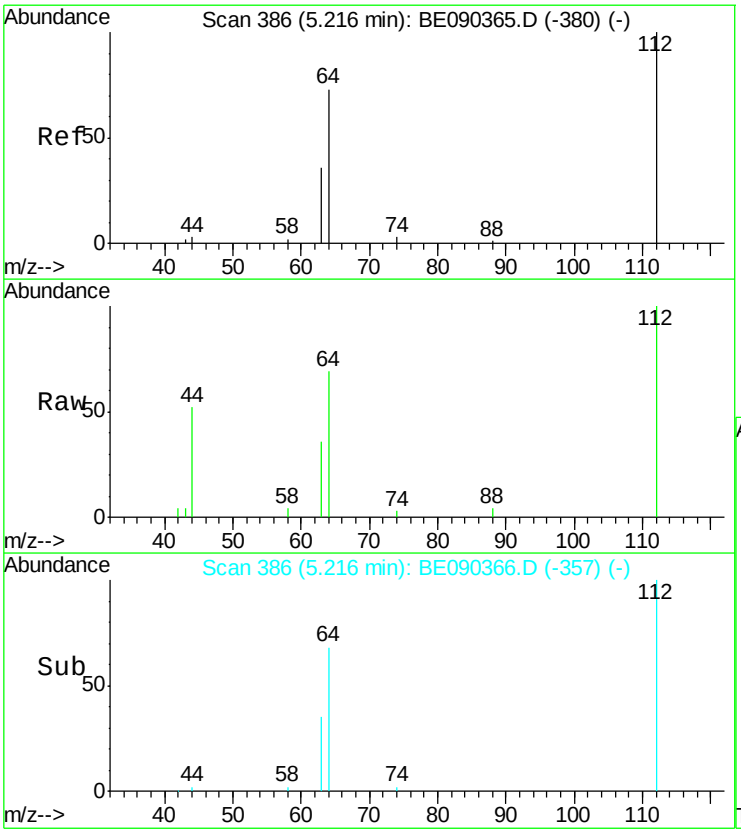
Tgt Ion: 42 Resp: 12439

Ion	Ratio	Lower	Upper
42	100		
74	101.5	75.2	112.8
44	7.7	8.7	13.1#



Instrument :
BNA_E
ClientSampleId :
SSTDICC002

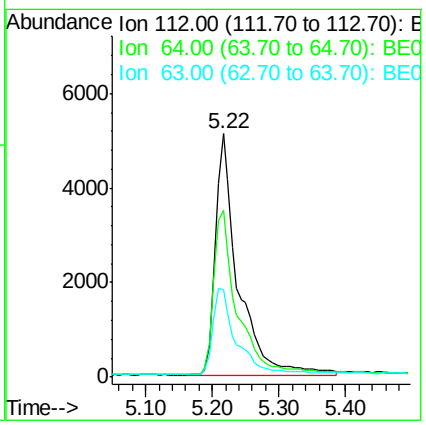
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:31 AM

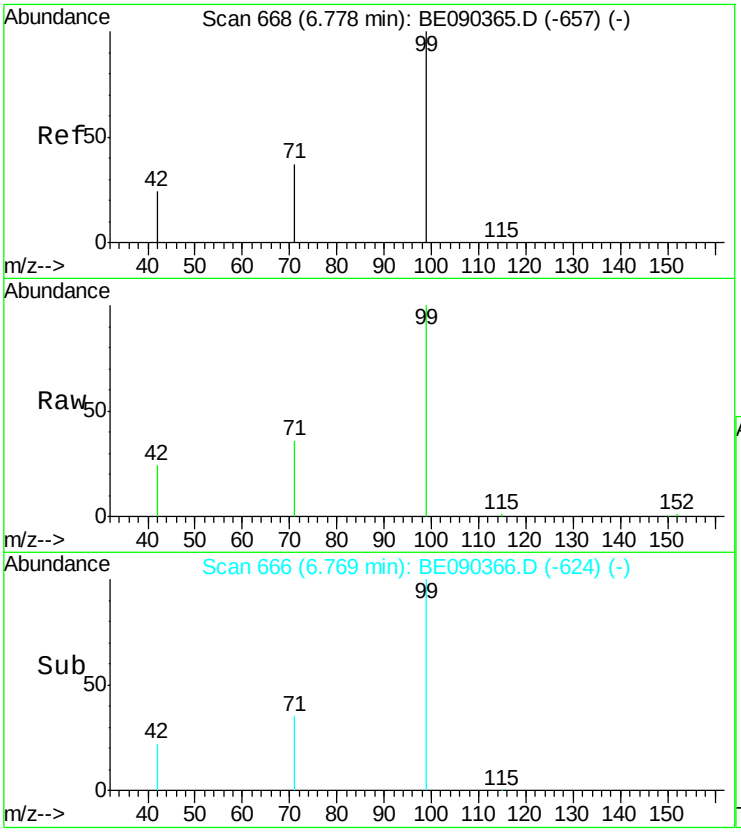


#4
2-Fluorophenol
Concen: 1.51 ng
RT: 5.22 min Scan# 386
Delta R.T. -0.00 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

Tgt Ion:112 Resp: 11841

Ion	Ratio	Lower	Upper
112	100		
64	70.5	37.1	55.7#
63	37.3	19.5	29.3#

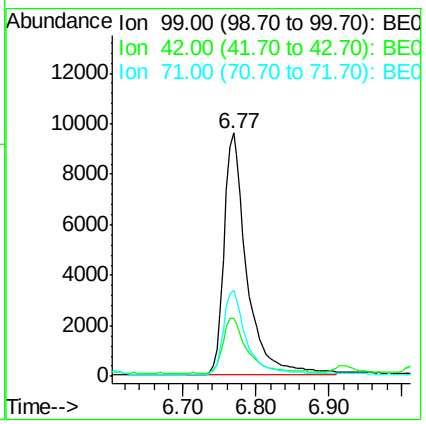




#5
Phenol-d6
Concen: 2.09 ng
RT: 6.77 min Scan# 666
Delta R.T. -0.01 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

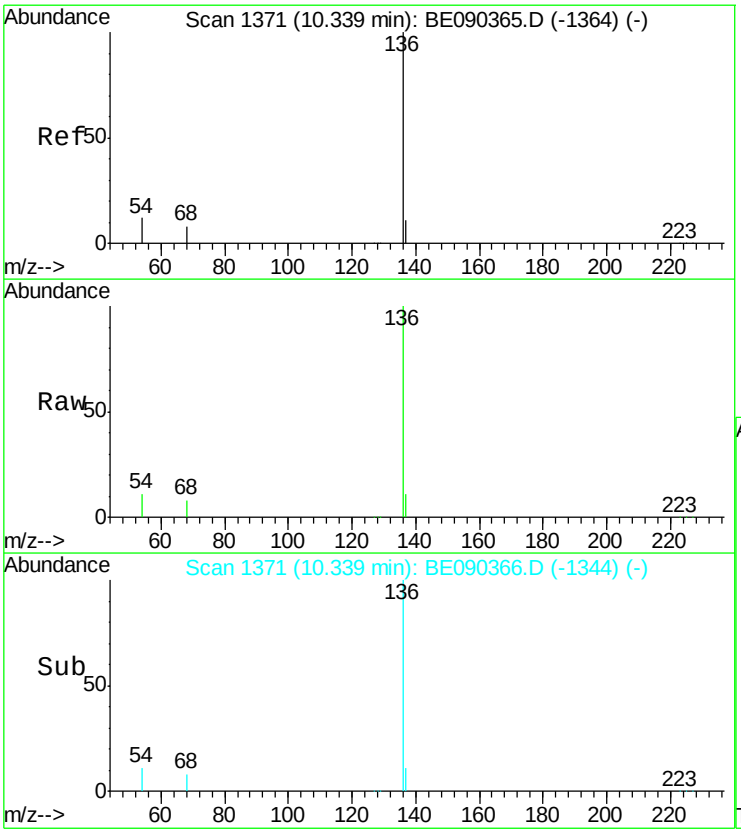
Tgt Ion: 99 Resp: 20948

Ion	Ratio	Lower	Upper
99	100		
42	24.6	18.2	27.4
71	35.6	27.4	41.0



Instrument :
BNA_E
ClientSampleId :
SSTDICC002

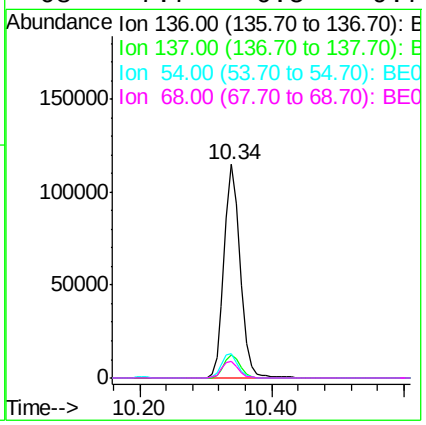
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:31 AM

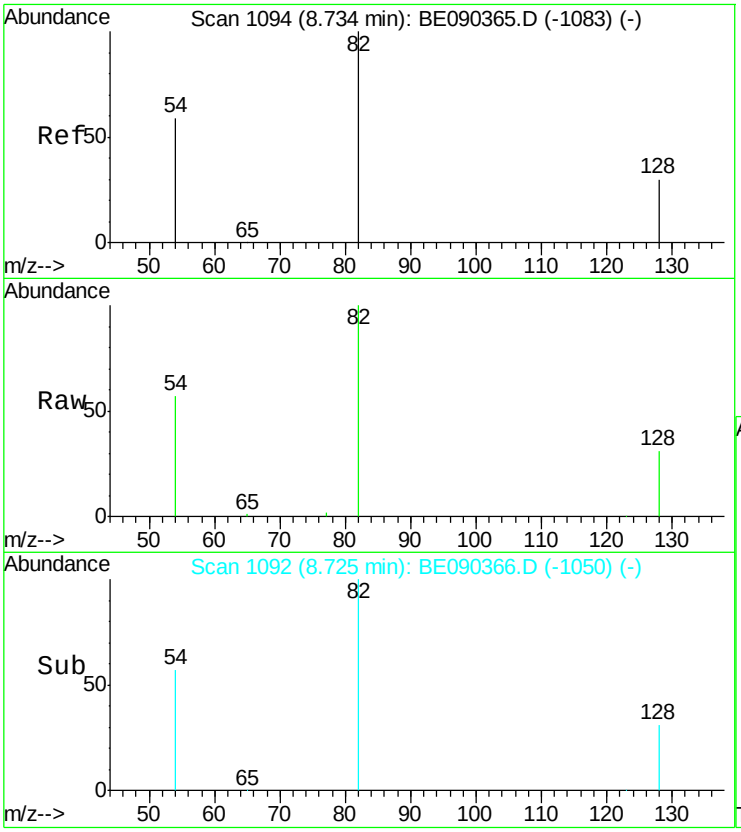


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.34 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

Tgt Ion:136 Resp: 194027

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	11.3	9.4	14.0
68	7.7	6.5	9.7

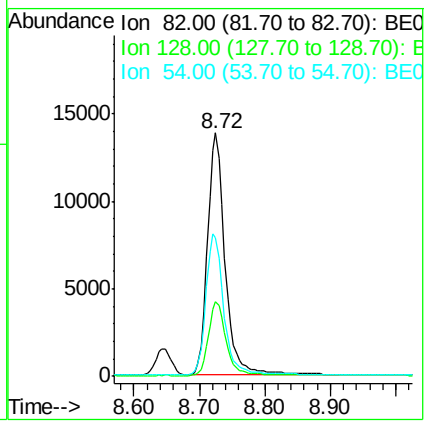




#7
Nitrobenzene-d5
Concen: 2.22 ng
RT: 8.72 min Scan# 1092
Delta R.T. -0.01 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

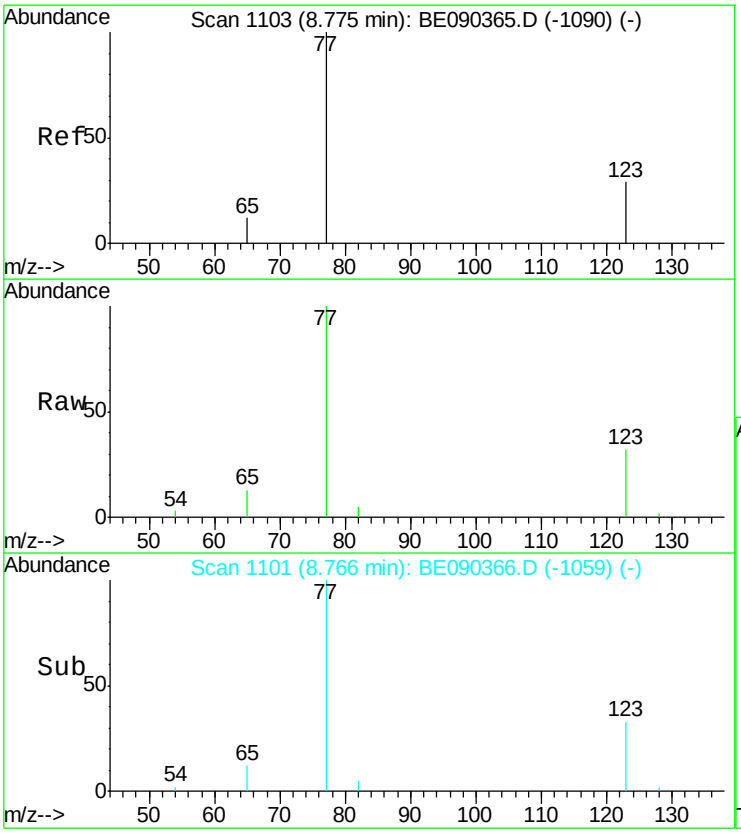
Tgt Ion: 82 Resp: 25778

Ion	Ratio	Lower	Upper
82	100		
128	30.8	25.0	37.6
54	57.2	48.8	73.2



Instrument :
BNA_E
ClientSampleId :
SSTDICC002

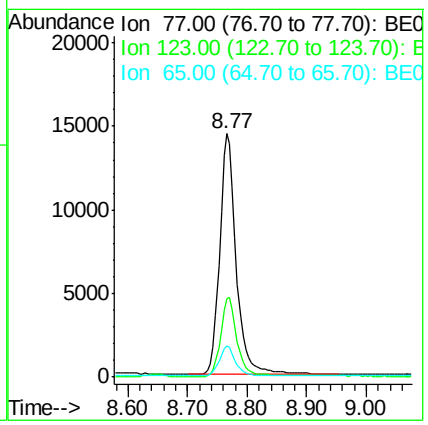
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:31 AM

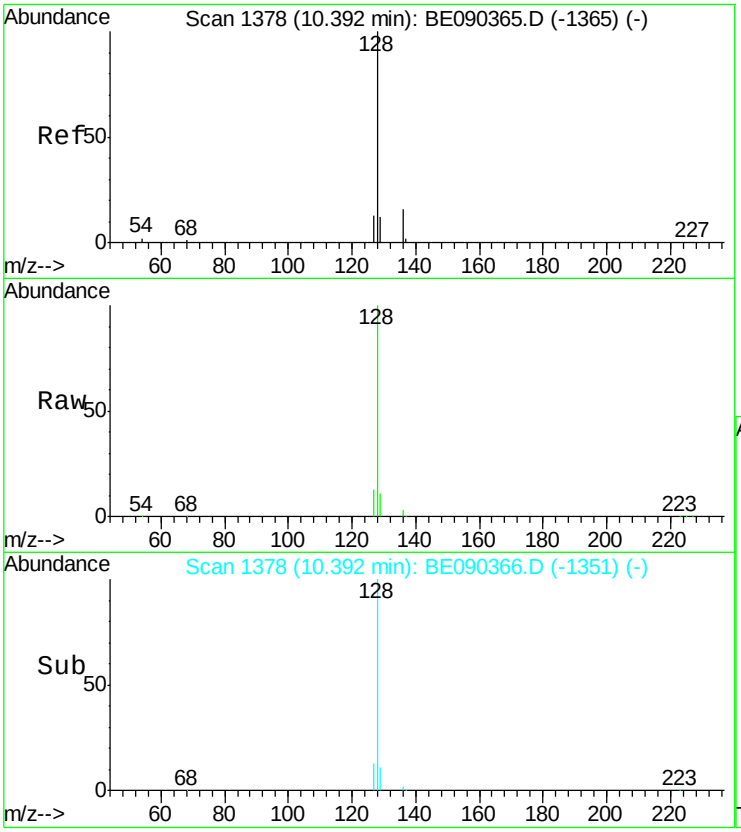


#8
Nitrobenzene
Concen: 2.32 ng
RT: 8.77 min Scan# 1101
Delta R.T. -0.01 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

Tgt Ion: 77 Resp: 27756

Ion	Ratio	Lower	Upper
77	100		
123	32.7	25.1	37.7
65	12.4	9.3	13.9

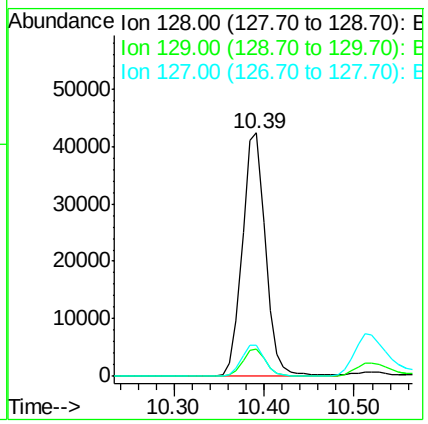




#9
Naphthalene
Concen: 1.80 ng
RT: 10.39 min Scan# 1378
Delta R.T. 0.00 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

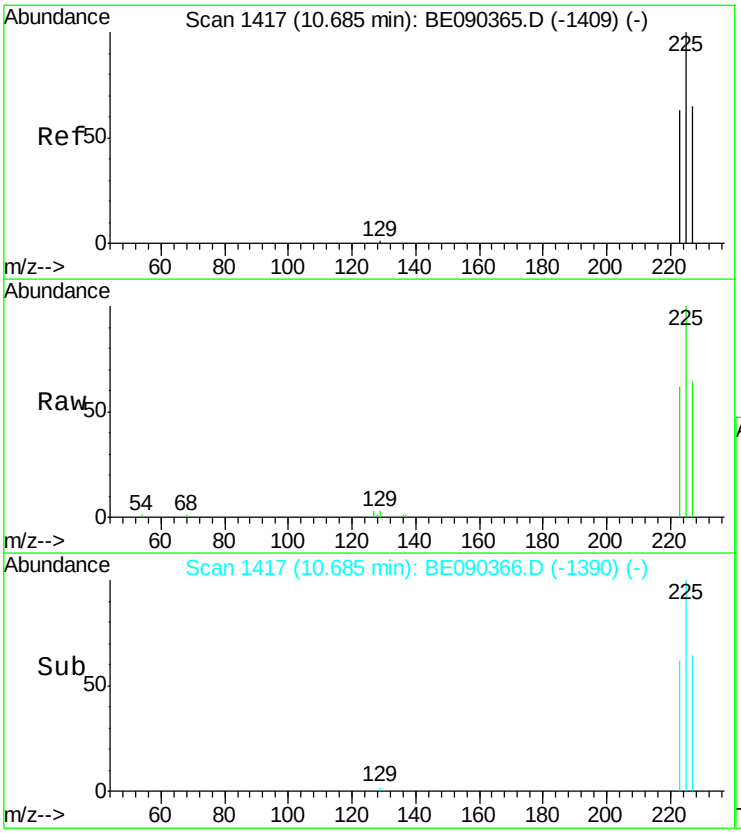
Tgt Ion:128 Resp: 75153

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.8	14.6
127	12.7	10.6	16.0



Instrument :
BNA_E
ClientSampleId :
SSTDICC002

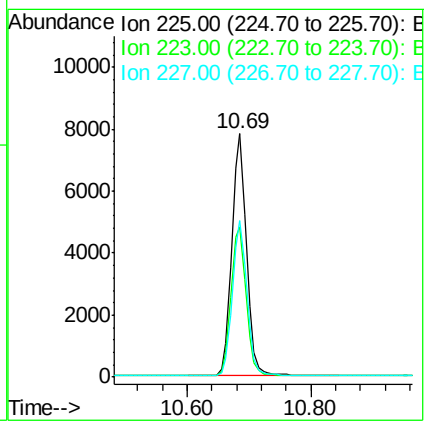
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:31 AM

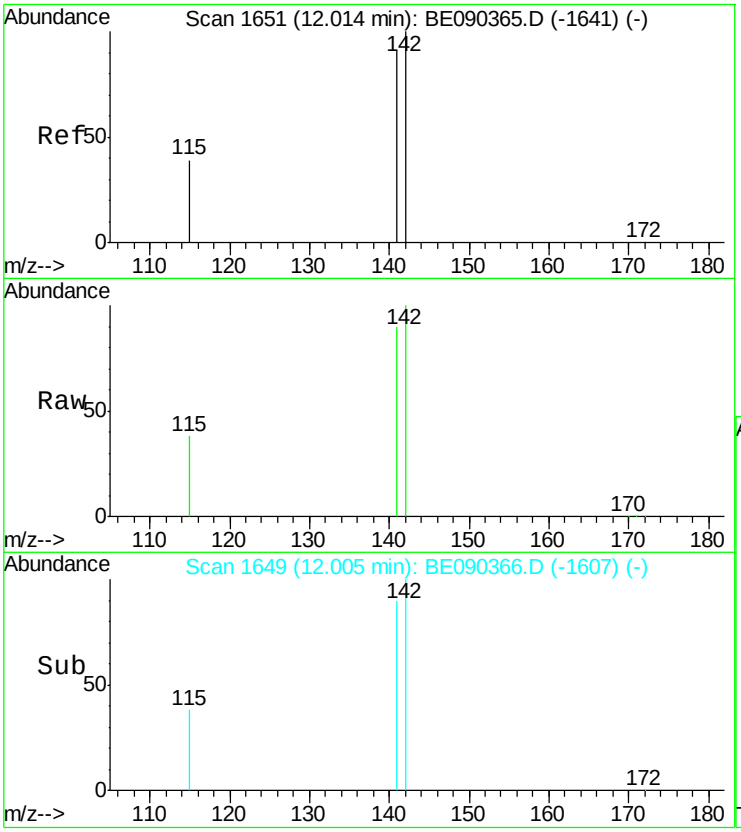


#10
Hexachlorobutadiene
Concen: 2.20 ng
RT: 10.69 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

Tgt Ion:225 Resp: 12770

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.6	75.8
227	63.8	50.7	76.1

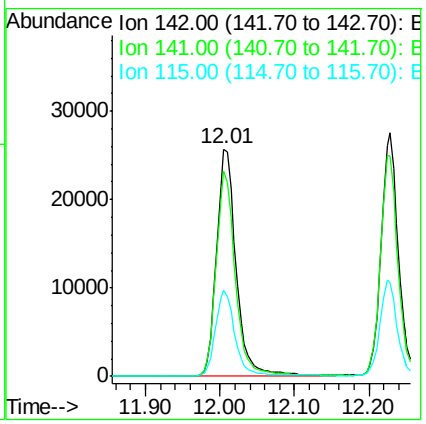




#11
2-Methylnaphthalene
Concen: 1.82 ng
RT: 12.01 min Scan# 1649
Delta R.T. -0.01 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

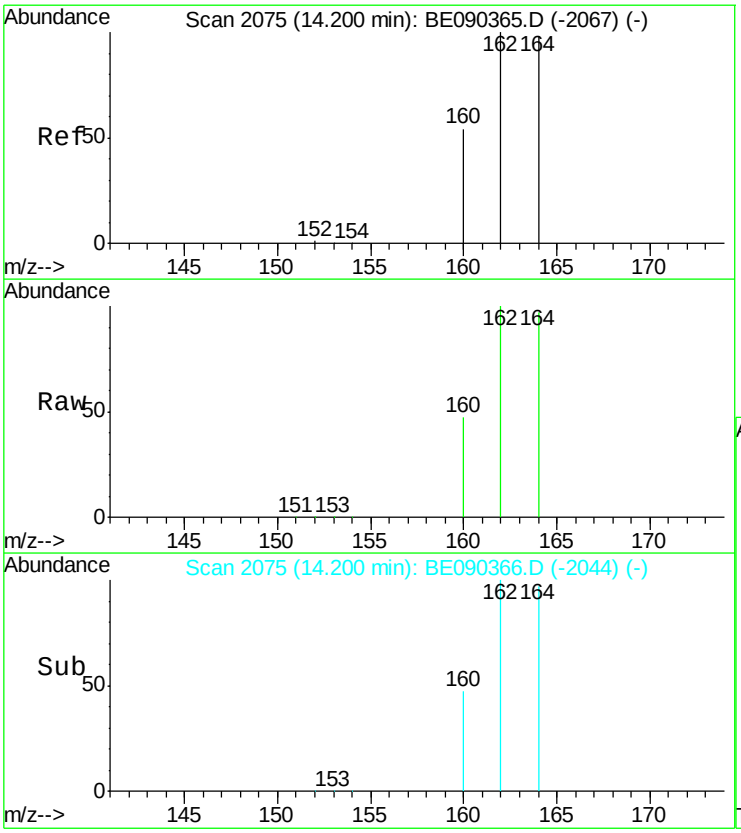
Tgt Ion:142 Resp: 46590

Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.6	109.0
115	38.1	31.6	47.4



Instrument :
BNA_E
ClientSampleId :
SSTDICC002

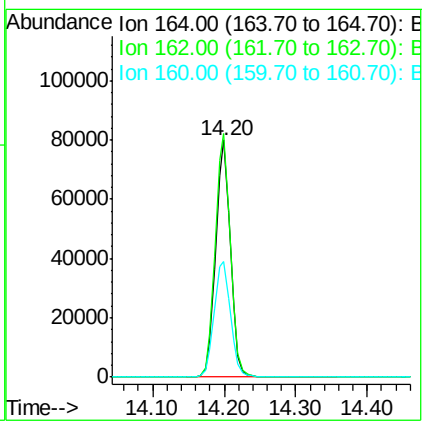
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:31 AM

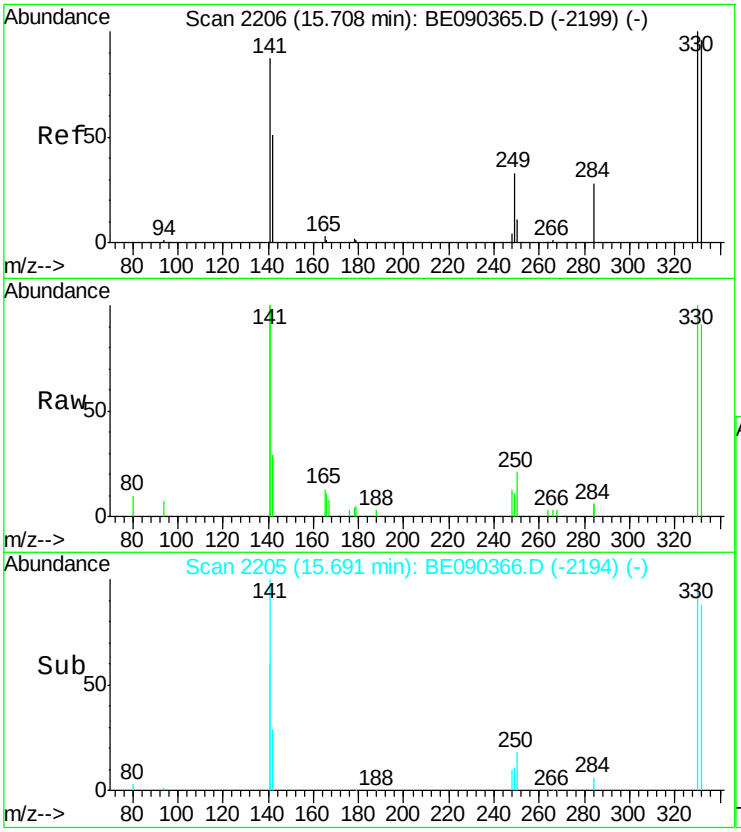


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.20 min Scan# 2075
Delta R.T. 0.00 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

Tgt Ion:164 Resp: 113524

Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.8	122.8
160	48.5	44.2	66.4

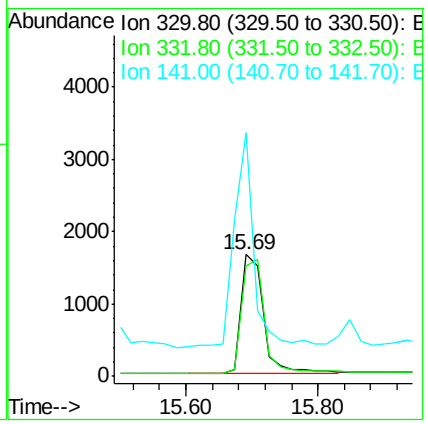




#13
2,4,6-Tribromophenol
Concen: 2.40 ng
RT: 15.69 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

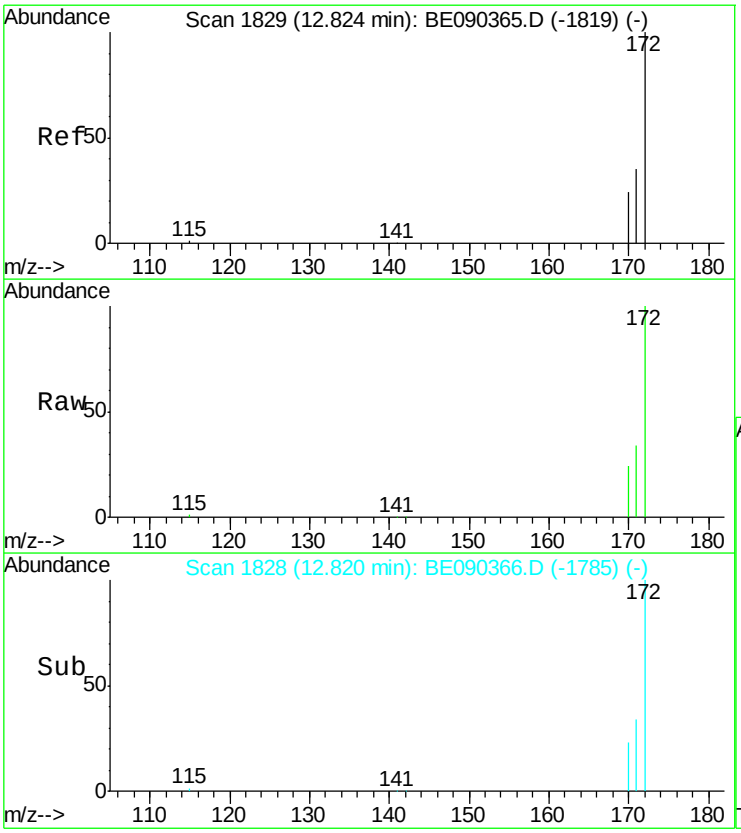
Tgt Ion:330 Resp: 3835

Ion	Ratio	Lower	Upper
330	100		
332	98.0	75.8	113.6
141	162.3	114.4	171.6



Instrument :
BNA_E
ClientSampleId :
SSTDICC002

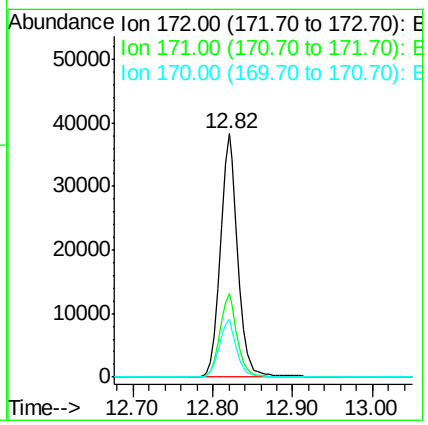
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:31 AM

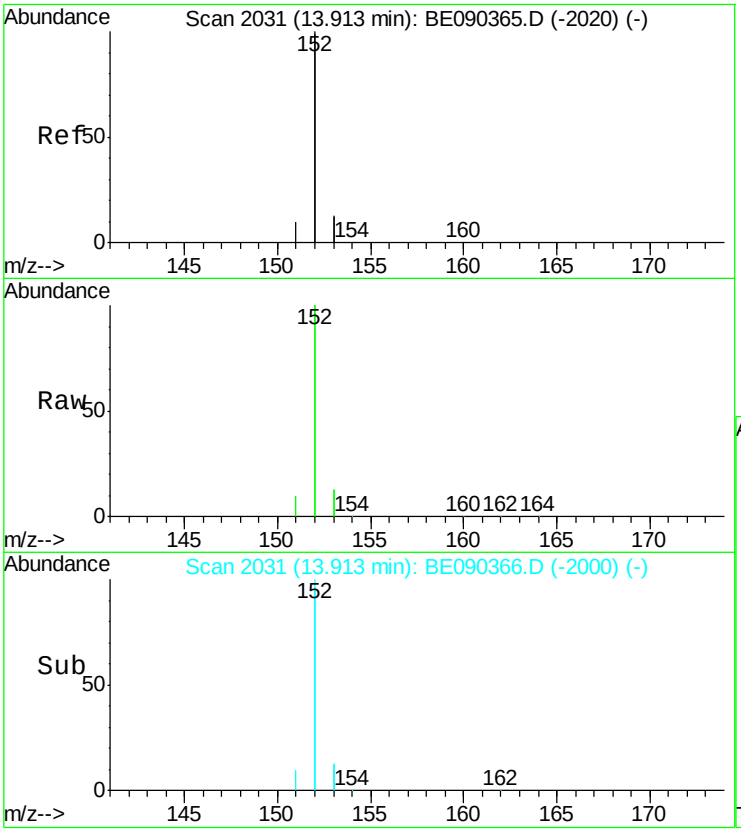


#14
2-Fluorobiphenyl
Concen: 1.75 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

Tgt Ion:172 Resp: 57330

Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.5	42.7
170	23.6	19.8	29.8

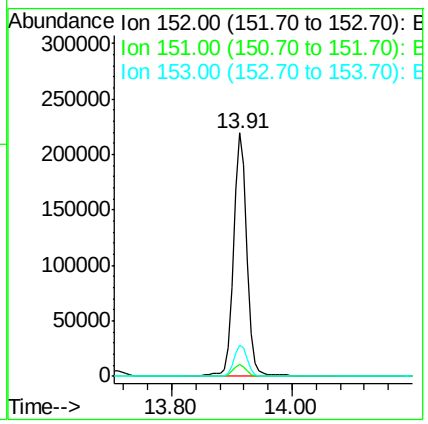




#15
Acenaphthylene
Concen: 1.73 ng
RT: 13.91 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

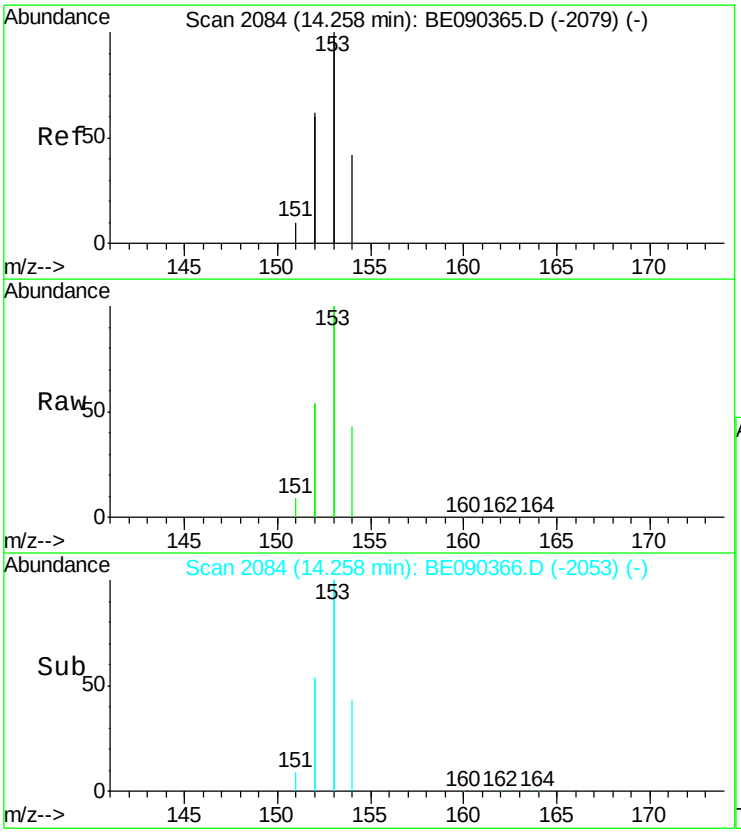
Tgt Ion:152 Resp: 340465

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



Instrument :
BNA_E
ClientSampleId :
SSTDICC002

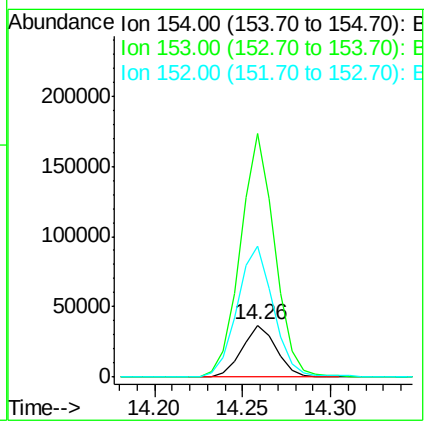
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:31 AM

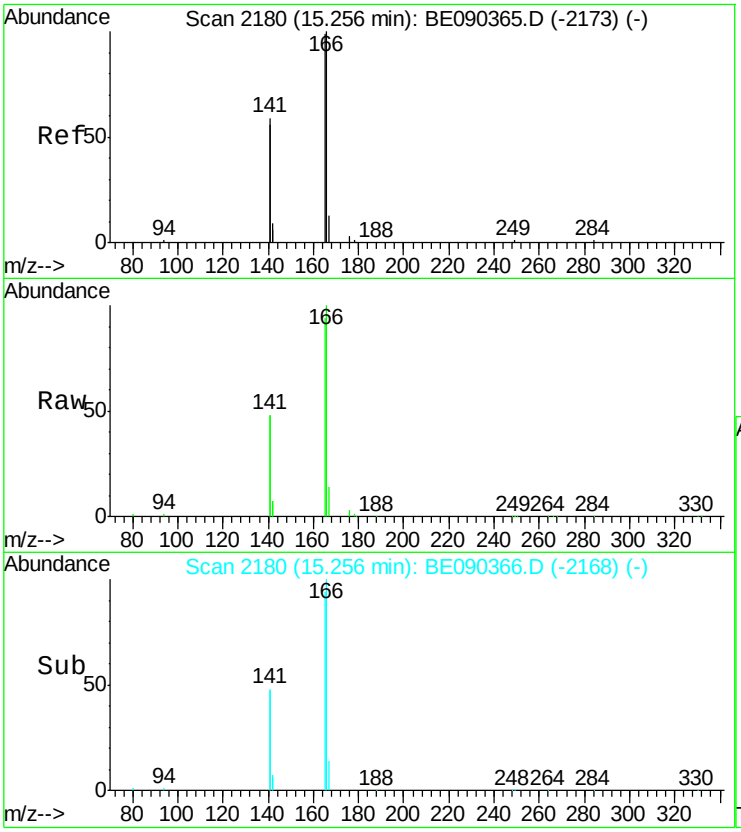


#16
Acenaphthene
Concen: 1.75 ng
RT: 14.26 min Scan# 2084
Delta R.T. 0.00 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

Tgt Ion:154 Resp: 50118

Ion	Ratio	Lower	Upper
154	100		
153	465.2	376.2	564.2
152	263.5	235.0	352.4

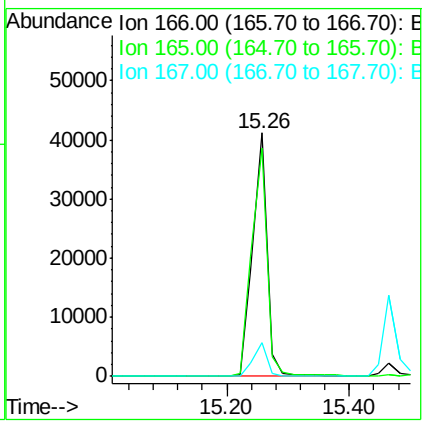




#17
Fluorene
Concen: 1.89 ng
RT: 15.26 min Scan# 2180
Delta R.T. 0.00 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

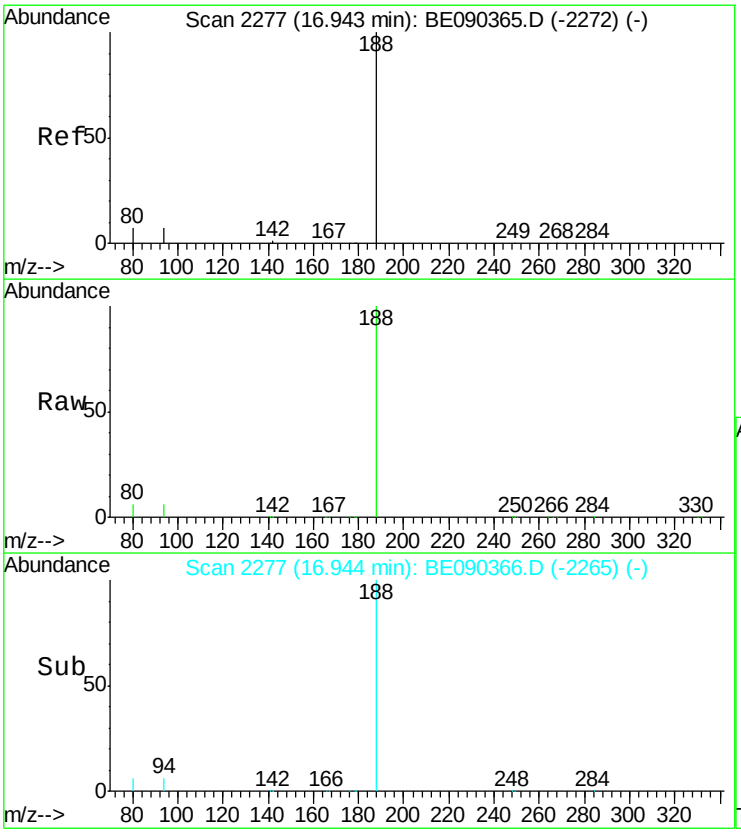
Tgt Ion:166 Resp: 66863

Ion	Ratio	Lower	Upper
166	100		
165	99.3	81.5	122.3
167	13.5	11.4	17.0



Instrument :
BNA_E
ClientSampleId :
SSTDICC002

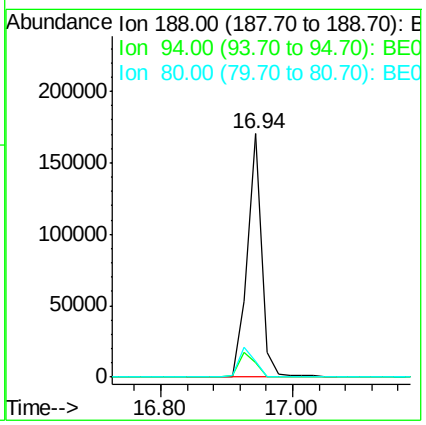
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:31 AM

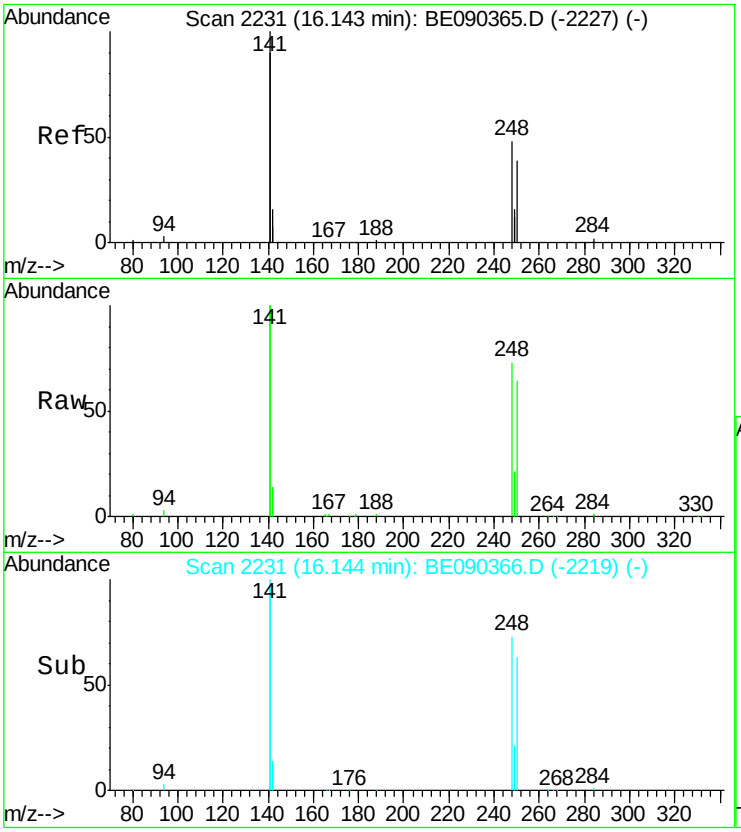


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

Tgt Ion:188 Resp: 258712

Ion	Ratio	Lower	Upper
188	100		
94	6.2	5.7	8.5
80	6.3	5.8	8.8





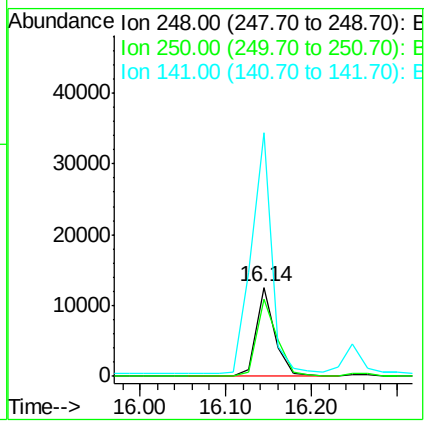
#19
4-Bromophenyl-phenylether
Concen: 1.95 ng
RT: 16.14 min Scan# 2231
Delta R.T. 0.00 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

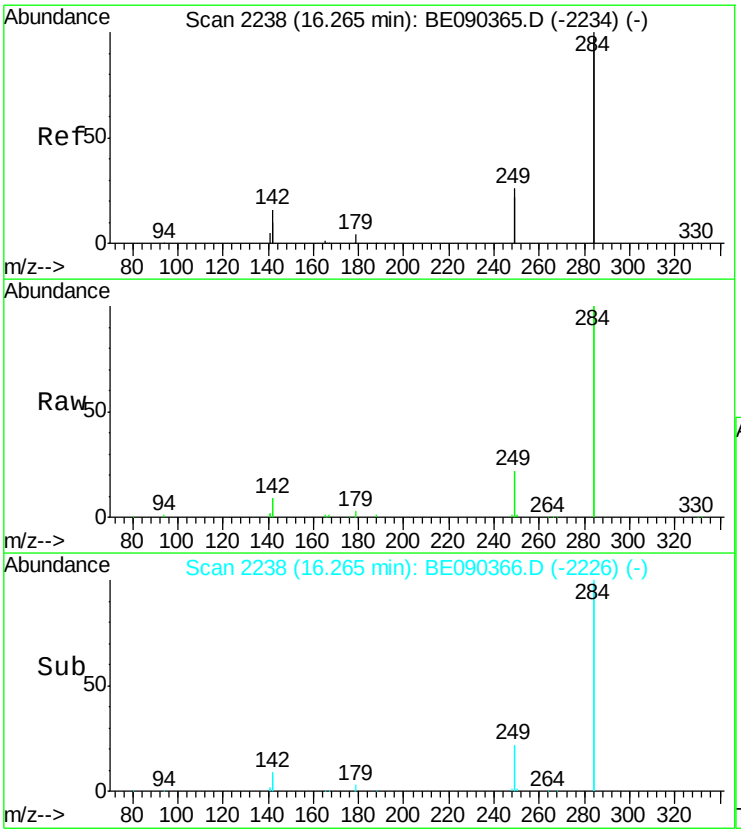
Tgt Ion:248 Resp: 18920

Ion	Ratio	Lower	Upper
248	100		
250	95.3	79.0	118.6
141	297.9	239.5	359.3

Instrument :
BNA_E
ClientSampleId :
SSTDICC002

Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:31 AM

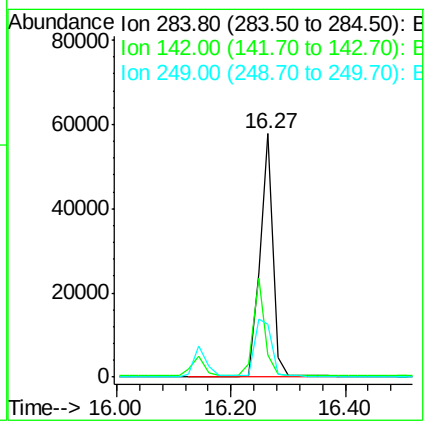


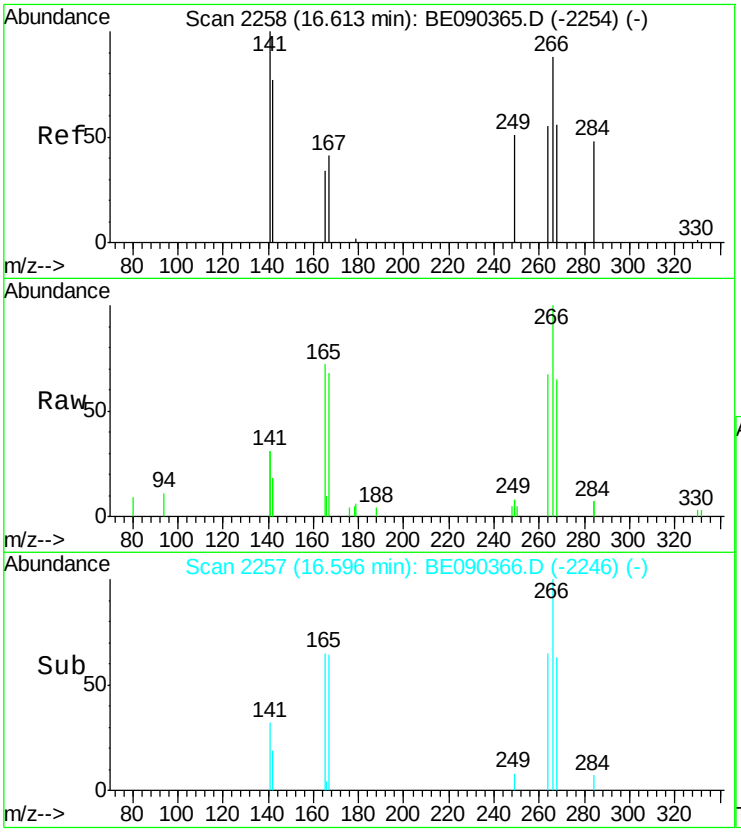


#20
Hexachlorobenzene
Concen: 2.37 ng
RT: 16.27 min Scan# 2238
Delta R.T. 0.00 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

Tgt Ion:284 Resp: 91471

Ion	Ratio	Lower	Upper
284	100		
142	35.9	30.1	45.1
249	30.6	25.7	38.5

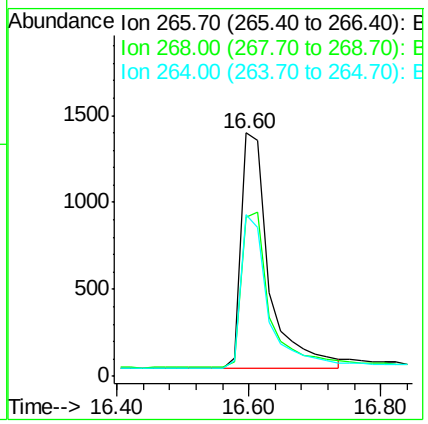




#21
Pentachlorophenol
Concen: 2.13 ng
RT: 16.60 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

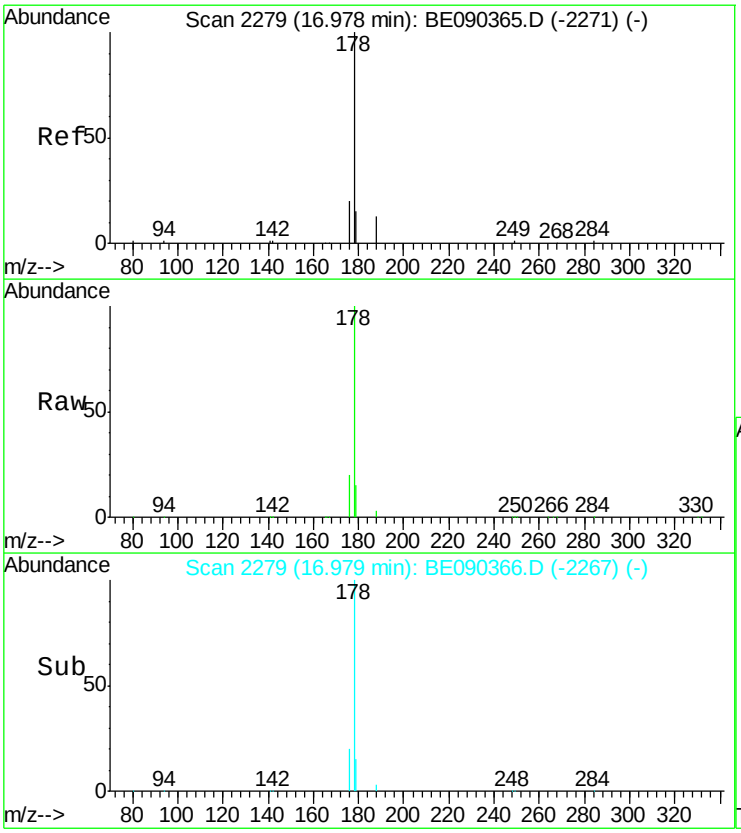
Tgt Ion:266 Resp: 4002

Ion	Ratio	Lower	Upper
266	100		
268	65.1	58.5	87.7
264	66.5	56.0	84.0



Instrument :
BNA_E
ClientSampleId :
SSTDICC002

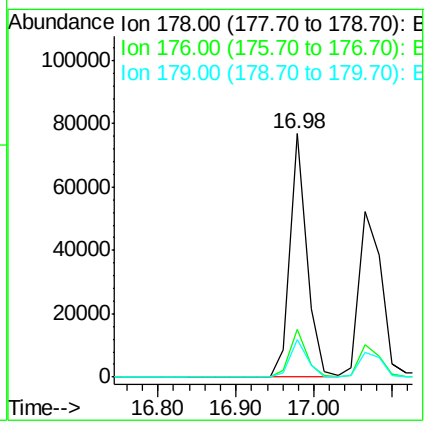
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:31 AM

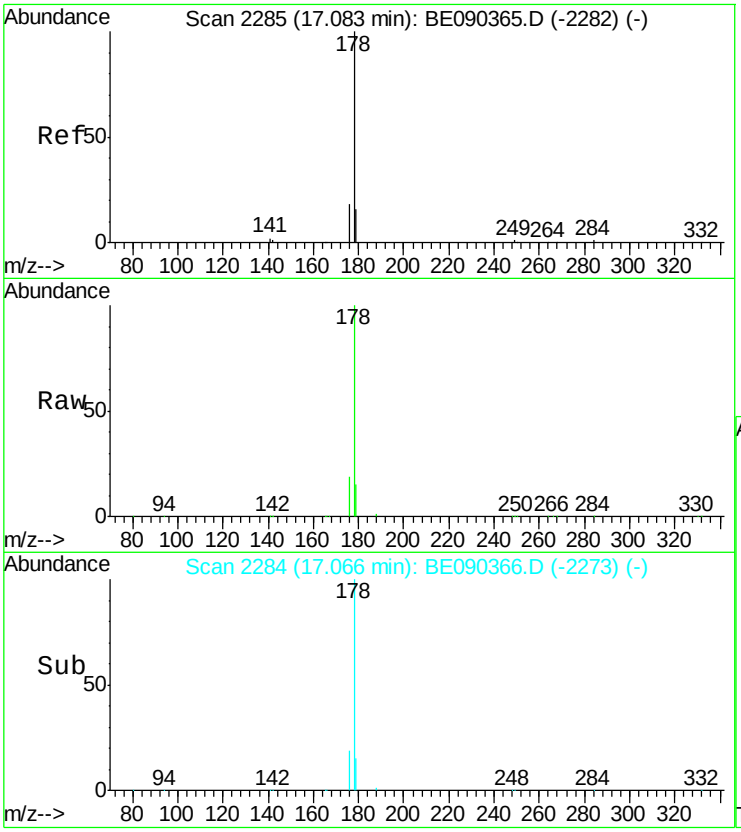


#22
Phenanthrene
Concen: 1.90 ng
RT: 16.98 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

Tgt Ion:178 Resp: 113737

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.6	12.5	18.7

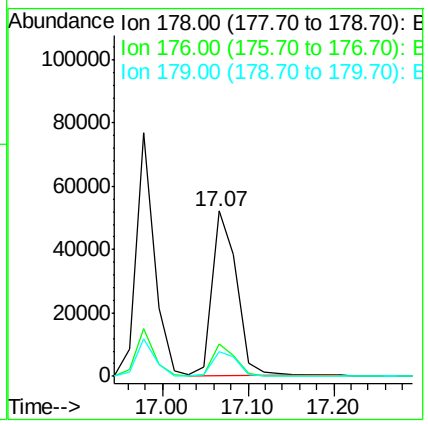




#23
Anthracene
Concen: 1.96 ng
RT: 17.07 min Scan# 2284
Delta R.T. -0.02 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

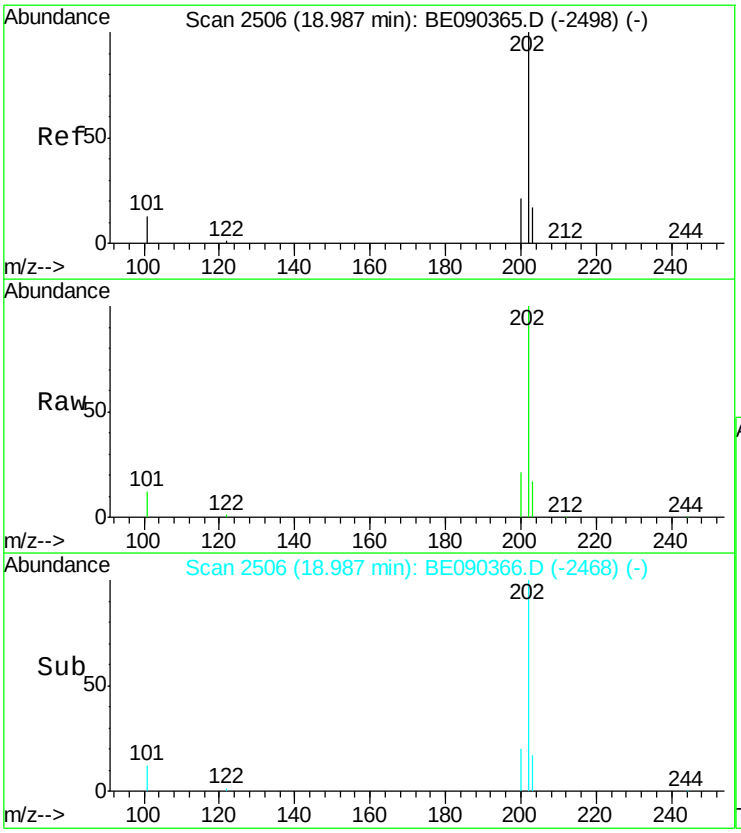
Tgt Ion:178 Resp: 103598

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



Instrument :
BNA_E
ClientSampleId :
SSTDICC002

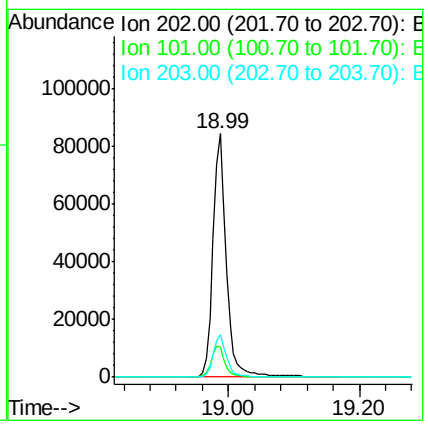
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:31 AM

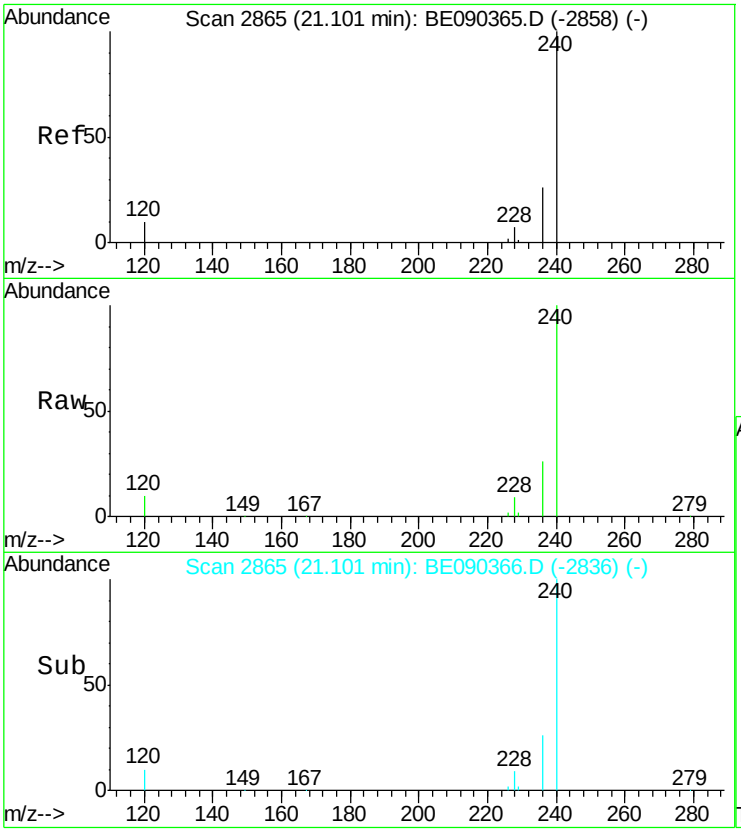


#24
Fluoranthene
Concen: 2.03 ng
RT: 18.99 min Scan# 2506
Delta R.T. -0.00 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

Tgt Ion:202 Resp: 121688

Ion	Ratio	Lower	Upper
202	100		
101	13.1	10.3	15.5
203	17.2	13.7	20.5

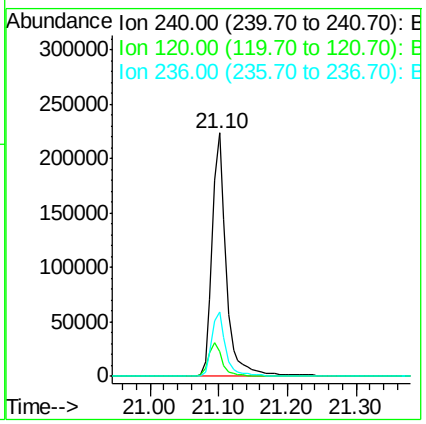




#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.10 min Scan# 2865
Delta R.T. -0.00 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

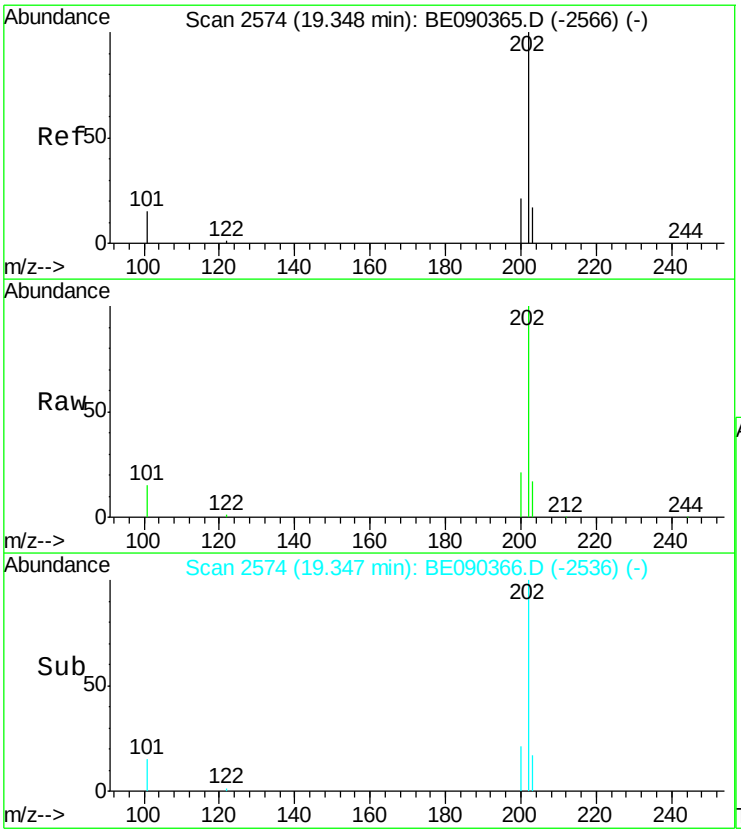
Tgt Ion:240 Resp: 318568

Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.3	12.5
236	26.5	21.0	31.4



Instrument :
BNA_E
ClientSampleId :
SSTDICC002

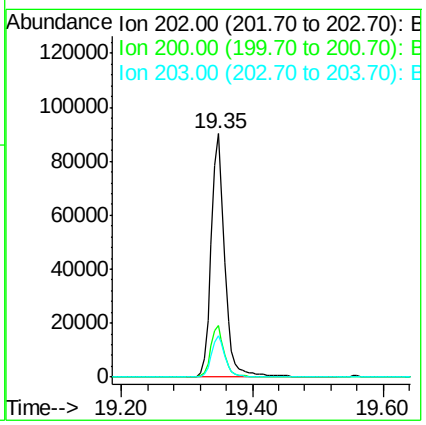
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:31 AM

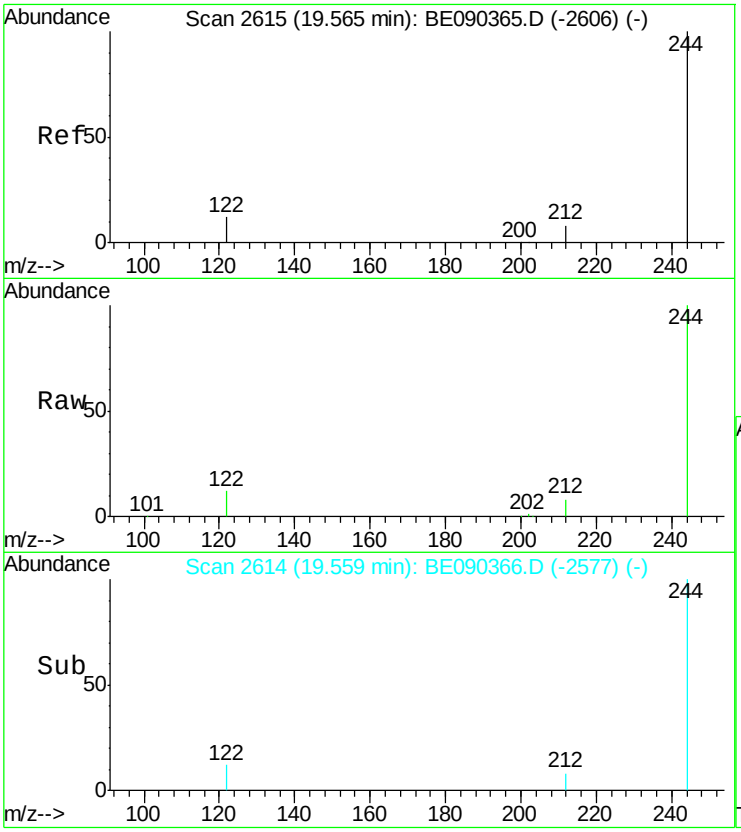


#26
Pyrene
Concen: 1.58 ng
RT: 19.35 min Scan# 2574
Delta R.T. -0.00 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

Tgt Ion:202 Resp: 131087

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.4	13.8	20.8

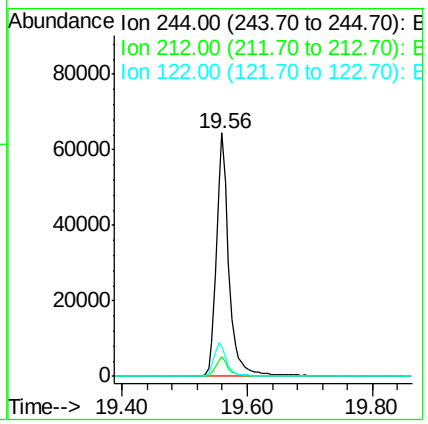




#27
Terphenyl-d14
Concen: 1.55 ng
RT: 19.56 min Scan# 2614
Delta R.T. -0.01 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

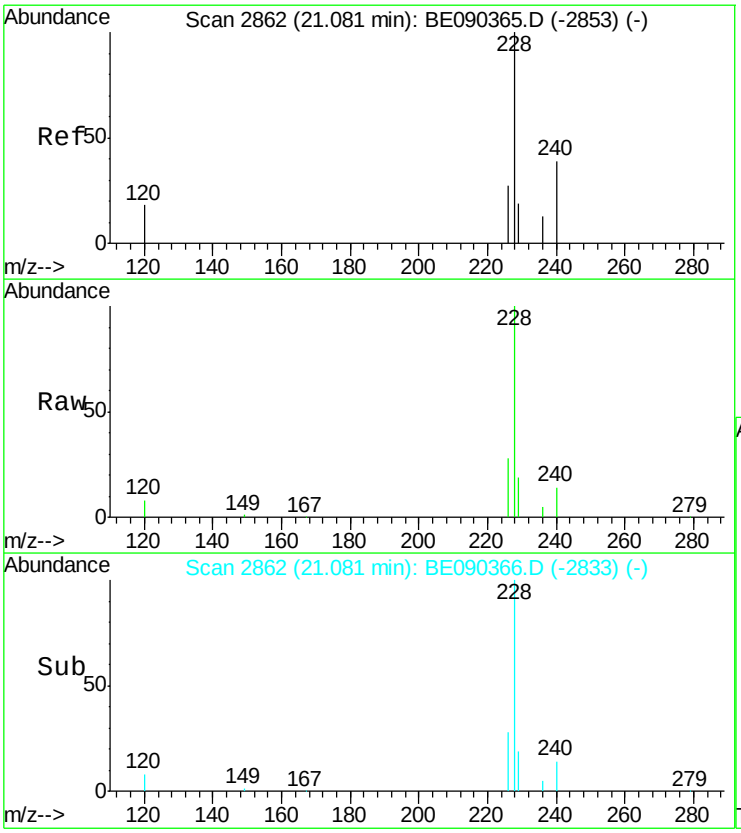
Tgt Ion:244 Resp: 89504

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.6	9.8
122	12.1	10.2	15.4



Instrument :
BNA_E
ClientSampleId :
SSTDICC002

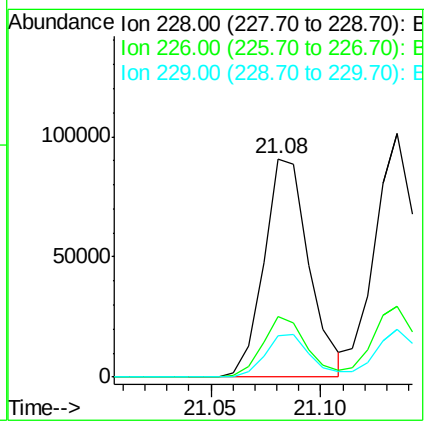
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:31 AM

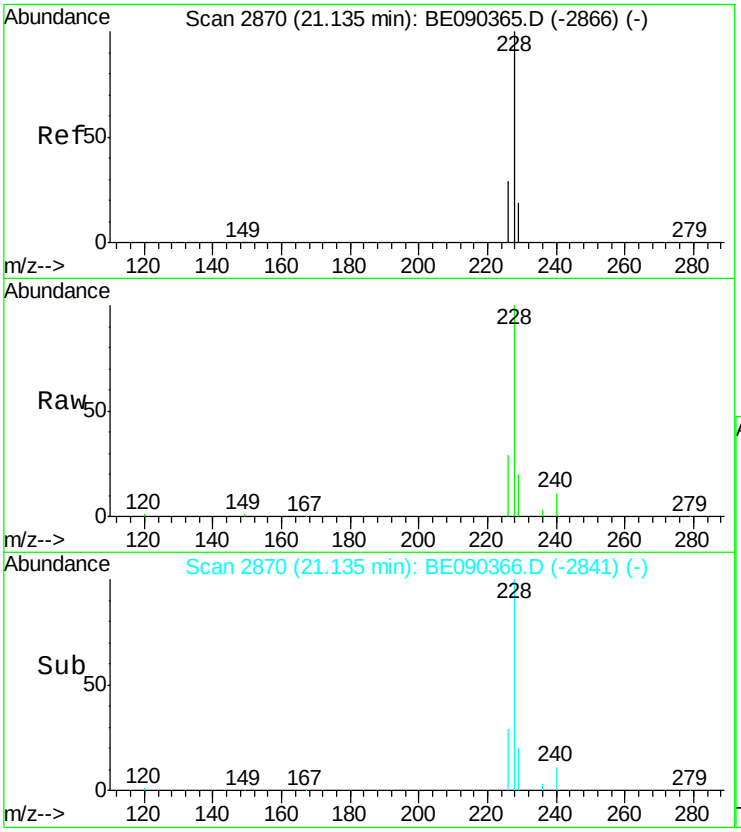


#28
Benzo(a)anthracene
Concen: 2.09 ng
RT: 21.08 min Scan# 2862
Delta R.T. -0.00 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

Tgt Ion:228 Resp: 129378

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.9	32.9
229	19.2	15.4	23.0

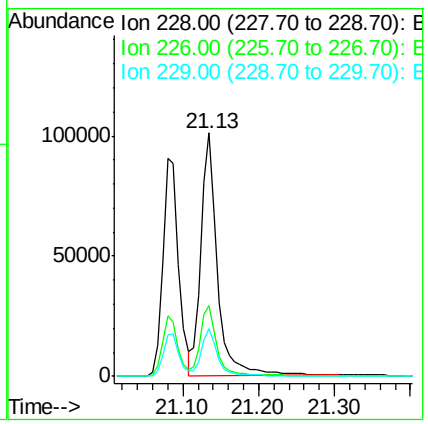




#29
Chrysene
Concen: 2.08 ng
RT: 21.13 min Scan# 2870
Delta R.T. -0.00 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

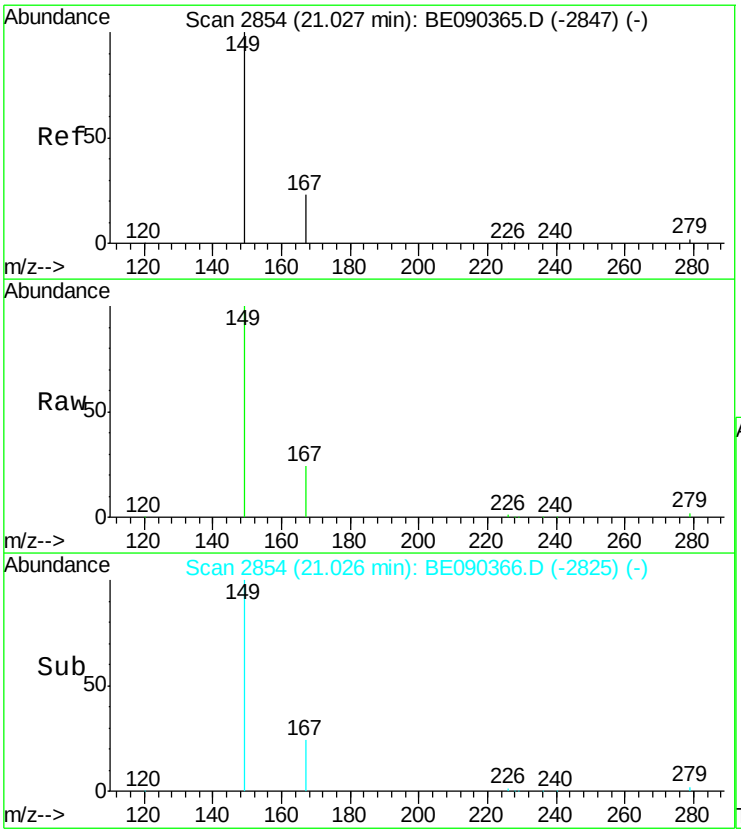
Tgt Ion:228 Resp: 152498

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.1	34.7
229	19.6	15.8	23.8



Instrument :
BNA_E
ClientSampleId :
SSTDICC002

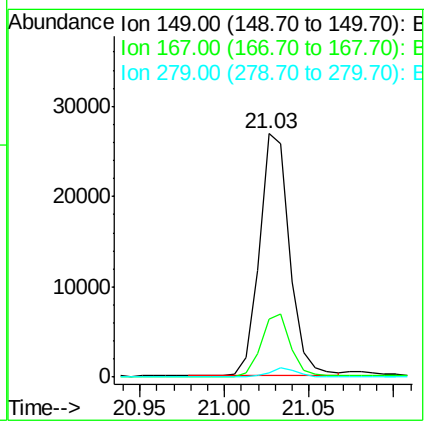
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:31 AM

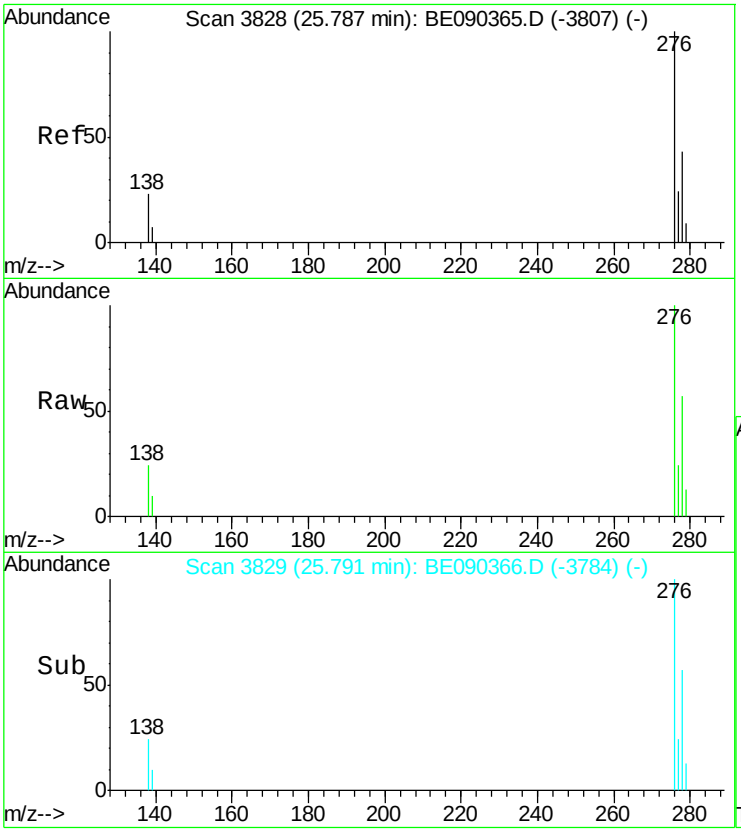


#30
Bis(2-ethylhexyl)phthalate
Concen: 1.63 ng
RT: 21.03 min Scan# 2854
Delta R.T. -0.00 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

Tgt Ion:149 Resp: 33075

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

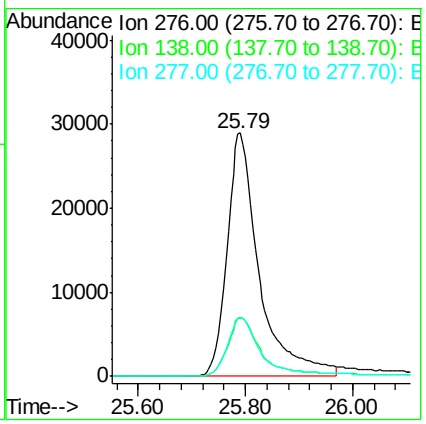




#31
Indeno(1,2,3-cd)pyrene
Concen: 2.99 ng
RT: 25.79 min Scan# 3829
Delta R.T. 0.00 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

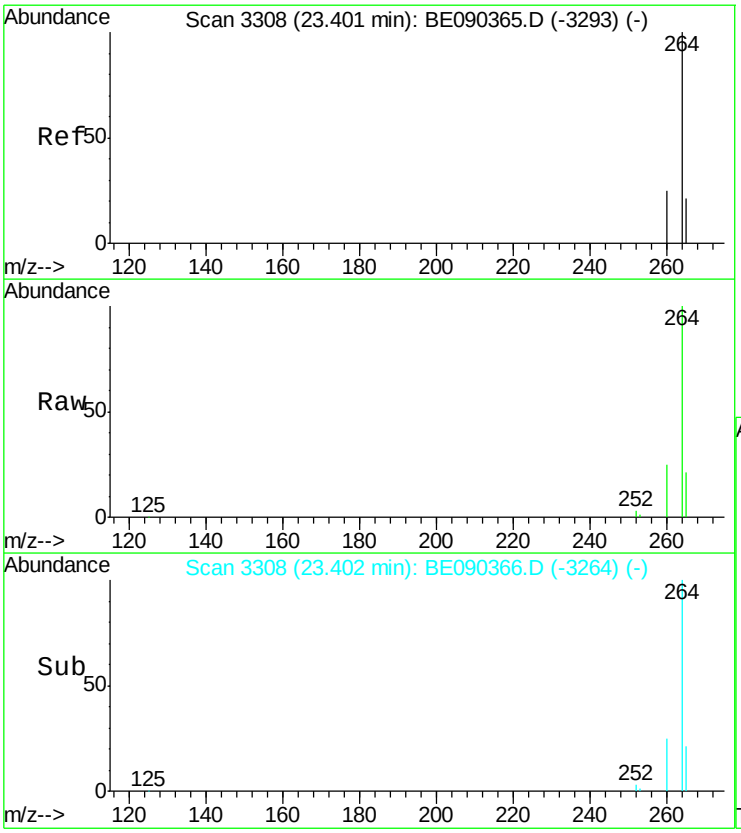
Tgt Ion:276 Resp: 119787

Ion	Ratio	Lower	Upper
276	100		
138	25.0	18.8	28.2
277	24.9	18.2	27.4



Instrument :
BNA_E
ClientSampleId :
SSTDICC002

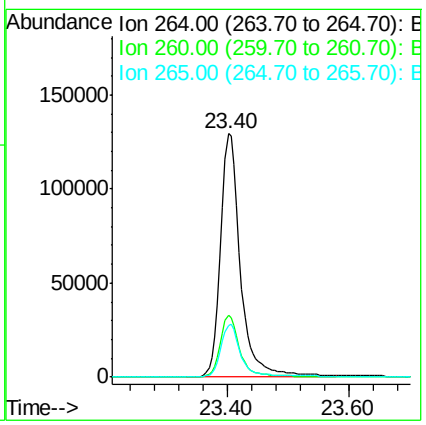
Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:31 AM

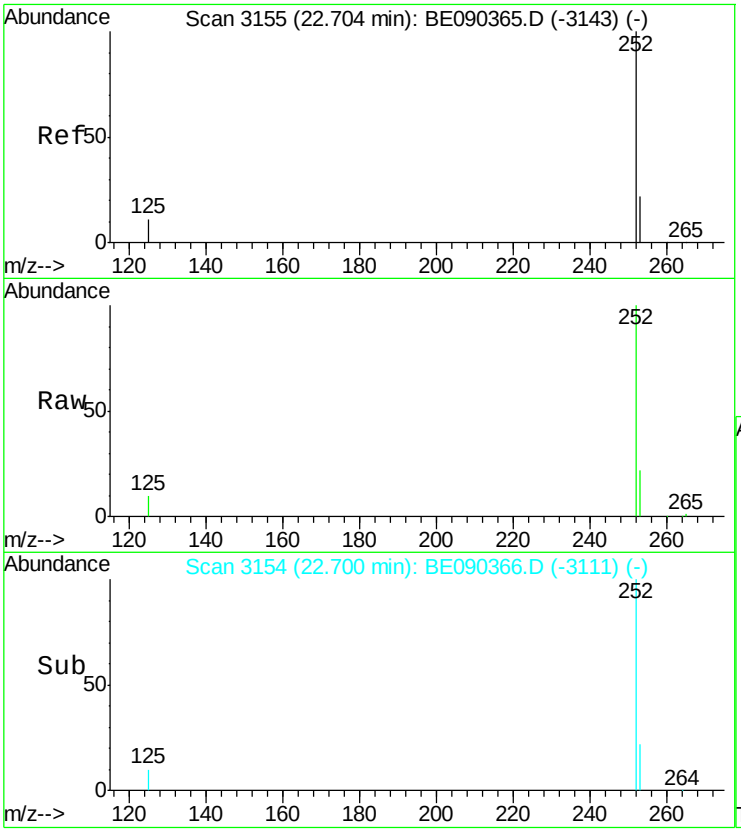


#32
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 3308
Delta R.T. 0.00 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

Tgt Ion:264 Resp: 296844

Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.1	30.1
265	21.5	17.2	25.8





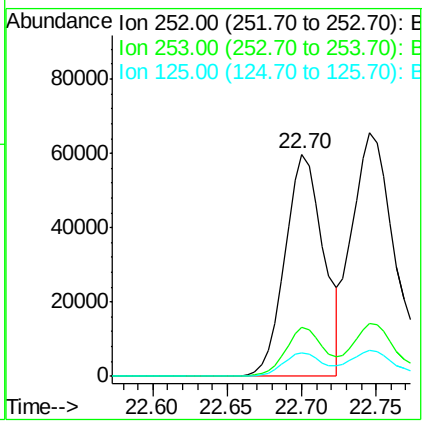
#33
Benzo(b)fluoranthene
Concen: 2.05 ng
RT: 22.70 min Scan# 3154
Delta R.T. -0.00 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

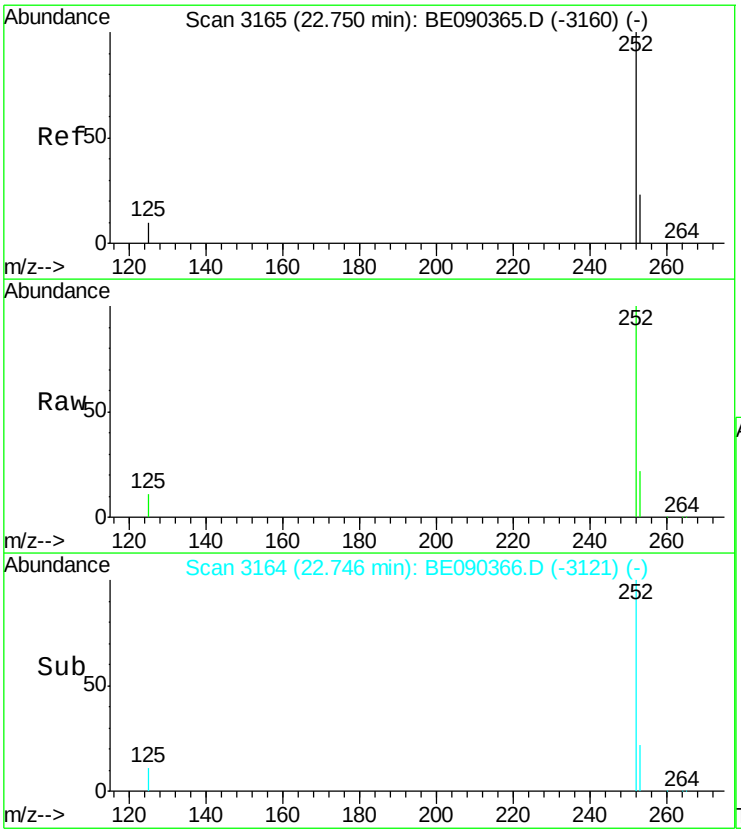
Tgt Ion:252 Resp: 107252

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	10.5	9.4	14.2

Instrument :
BNA_E
ClientSampleId :
SSTDICC002

Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:31 AM

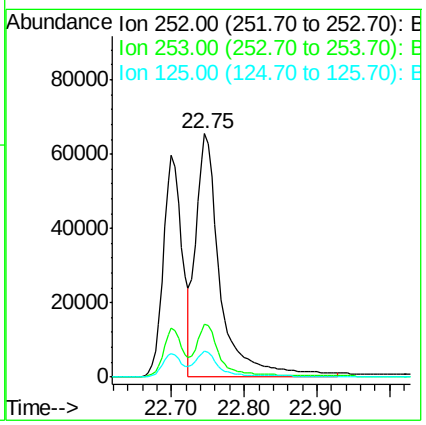


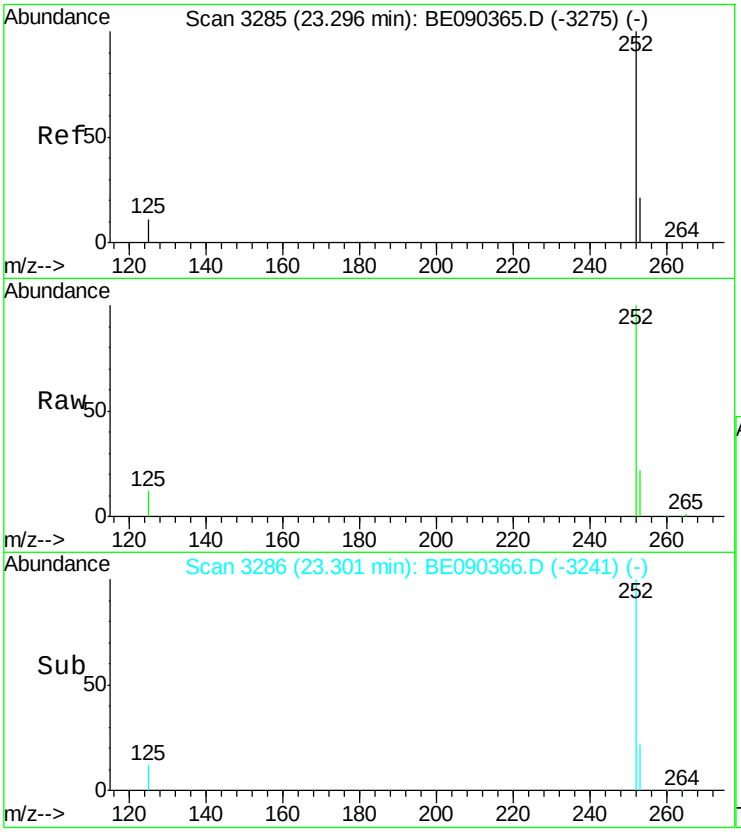


#34
Benzo(k)fluoranthene
Concen: 1.91 ng m
RT: 22.75 min Scan# 3164
Delta R.T. -0.00 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

Tgt Ion:252 Resp: 152914

Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	10.8	9.1	13.7





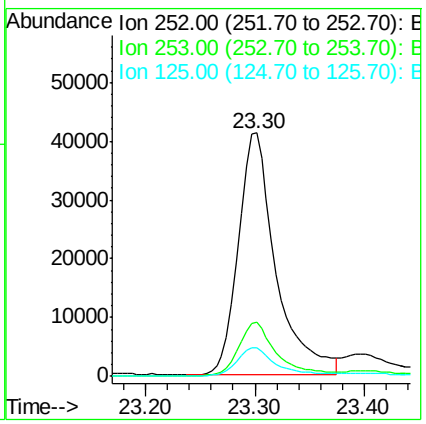
#35
Benzo(a)pyrene
Concen: 2.02 ng
RT: 23.30 min Scan# 3286
Delta R.T. 0.00 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

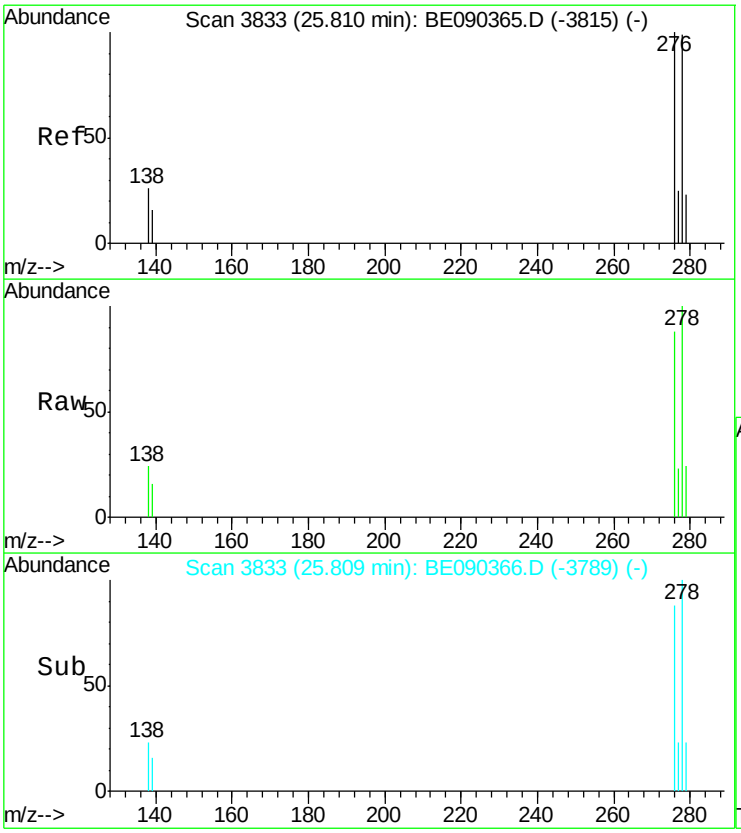
Tgt Ion:252 Resp: 98294

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	11.8	9.8	14.6

Instrument :
BNA_E
ClientSampleId :
SSTDICC002

Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:31 AM

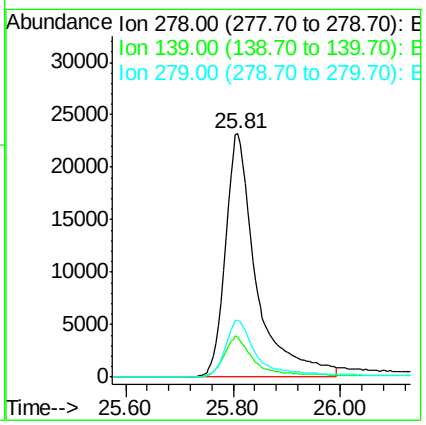


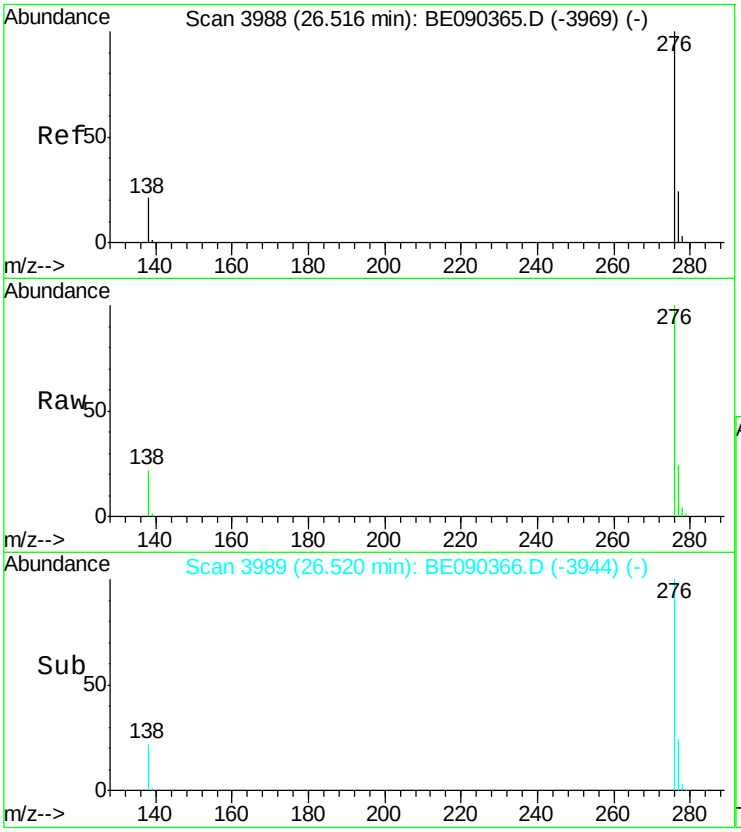


#36
Dibenzo(a,h)anthracene
Concen: 2.94 ng
RT: 25.81 min Scan# 3833
Delta R.T. -0.00 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

Tgt Ion:278 Resp: 92554

Ion	Ratio	Lower	Upper
278	100		
139	16.4	14.2	21.4
279	23.5	20.1	30.1

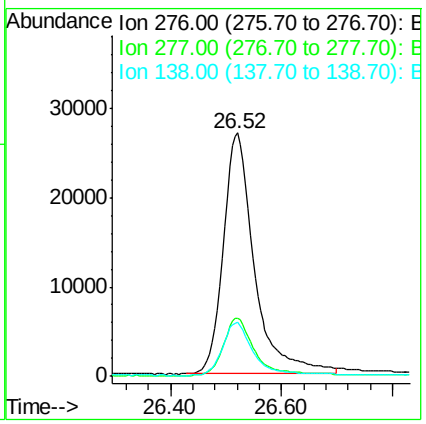




#37
Benzo(g,h,i)perylene
Concen: 2.03 ng
RT: 26.52 min Scan# 3989
Delta R.T. 0.00 min
Lab File: BE090366.D
Acq: 5 Aug 2015 19:17

Tgt Ion:276 Resp: 104865

Ion	Ratio	Lower	Upper
276	100		
277	23.9	20.1	30.1
138	22.1	18.1	27.1



Instrument :
BNA_E
ClientSampleId :
SSTDICC002

Manual Integrations APPROVED
MMDadoda
8/10/2015 10:10:31 AM