Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081016\
Data File : BE092261.D
Acq On : 10 Aug 2016 18:58
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc : confirmation run
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Manual Integrations APPROVED
sohil
8/11/2016 8:34:14 AM

Quant Time: Aug 11 01:28:49 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 10 11:12:32 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	13627	5.00	ng		0.00
7) Naphthalene-d8	10.97	136	65392	5.00	ng		0.00
12) Acenaphthene-d10	14.83	164	36359	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	89243	5.00	ng		0.00
24) Chrysene-d12	21.73	240	79876	5.00	ng		-0.02
31) Perylene-d12	24.13	264	86661	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.70	112	1230	0.41	ng		0.00
5) Phenol-d6	7.34	99	1659	0.39	ng		-0.02
8) Nitrobenzene-d5	9.34	82	1735	0.38	ng		-0.02
13) 2,4,6-Tribromophenol	16.33	330	397	0.51	ng		0.00
14) 2-Fluorobiphenyl	13.46	172	4523	0.40	ng		-0.01
26) Terphenyl-d14	20.19	244	5583	0.41	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.44	88	690	0.38	ng		98
3) n-Nitrosodimethylamine	3.80	42	849	0.48	ng	#	97
6) bis(2-Chloroethyl)ether	7.59	93	1488	0.43	ng		93
9) Naphthalene	11.01	128	5838	0.40	ng		94
10) Hexachlorobutadiene	11.30	225	832	0.39	ng		99
11) 2-Methylnaphthalene	12.65	142	3669	0.40	ng		99
15) Acenaphthylene	14.54	152	25229	0.40	ng		99
16) Acenaphthene	14.90	154	4014	0.40	ng		99
17) Fluorene	15.88	166	4887	0.40	ng		99
19) Hexachlorobenzene	16.89	284	1348	0.38	ng	#	100
20) Pentachlorophenol	17.24	266	326	0.45	ng		90
21) Phenanthrene	17.60	178	8614	0.37	ng		100
22) Anthracene	17.70	178	7983	0.38	ng		99
23) Fluoranthene	19.63	202	35566	0.39	ng		99
25) Pyrene	19.99	202	38950	0.41	ng		100
27) Benzo(a)anthracene	21.70	228	39948	0.42	ng	#	63
28) Chrysene	21.77	228	33226m	0.38	ng		
29) Bis(2-ethylhexyl)phthalate	21.64	149	4718	0.52	ng	#	96
30) Indeno(1,2,3-cd)pyrene	26.63	276	39429	0.41	ng		99
32) Benzo(b)fluoranthene	23.39	252	9109	0.40	ng		99
33) Benzo(k)fluoranthene	23.44	252	9310	0.41	ng		99
34) Benzo(a)pyrene	24.02	252	8718	0.41	ng		98
35) Dibenzo(a,h)anthracene	26.67	278	8007	0.40	ng		96
36) Benzo(g,h,i)perylene	27.40	276	33828	0.39	ng		96

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

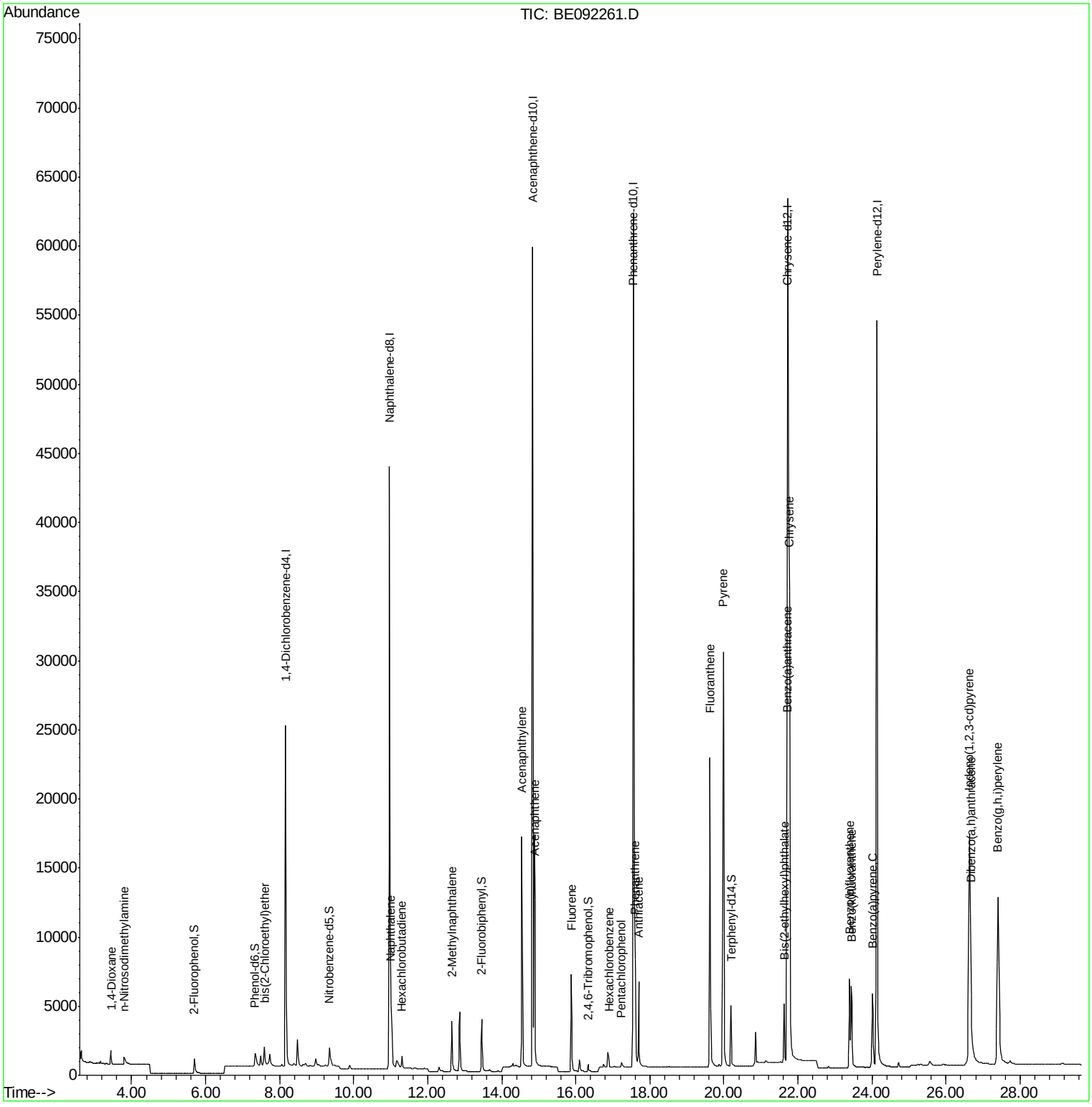
Quantitation Report (QT Reviewed)

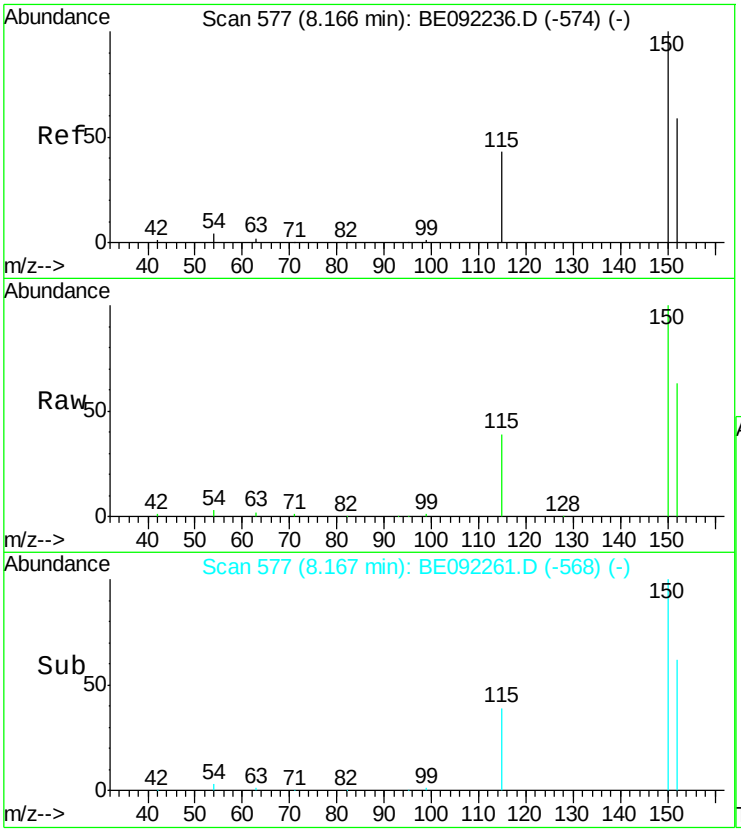
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081016\
Data File : BE092261.D
Acq On : 10 Aug 2016 18:58
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc : confirmation run
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 11 01:28:49 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 10 11:12:32 2016
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
sohil
8/11/2016 8:34:14 AM

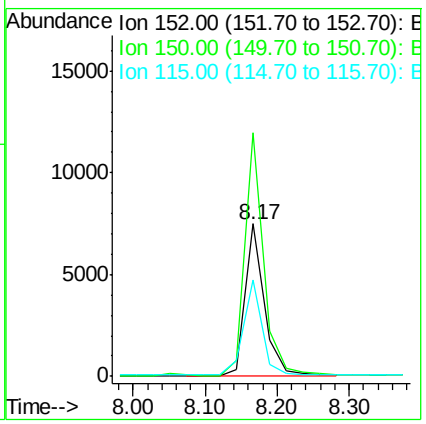




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.17 min Scan# 577
Delta R.T. 0.00 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

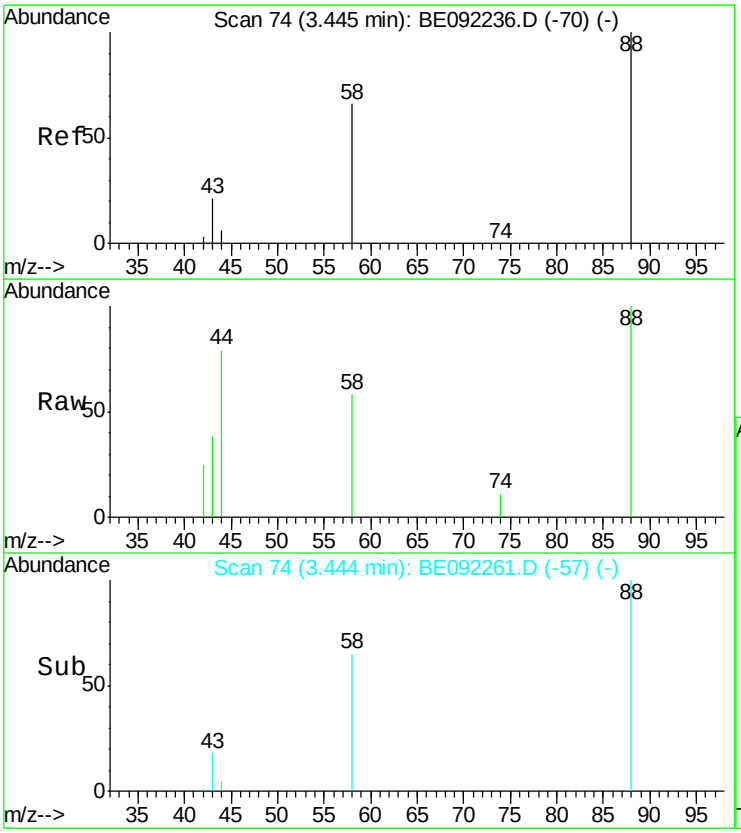
Tgt Ion:152 Resp: 13627

Ion	Ratio	Lower	Upper
152	100		
150	159.8	135.6	203.4
115	63.0	59.4	89.0



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

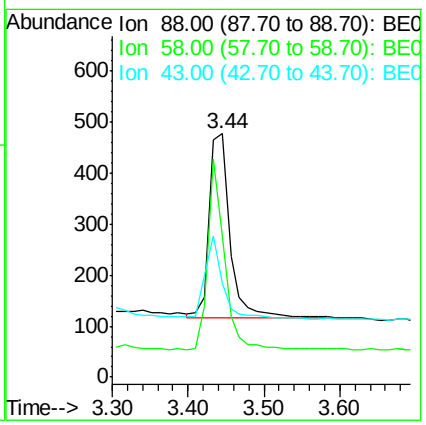
Manual Integrations APPROVED
sohil
8/11/2016 8:34:14 AM

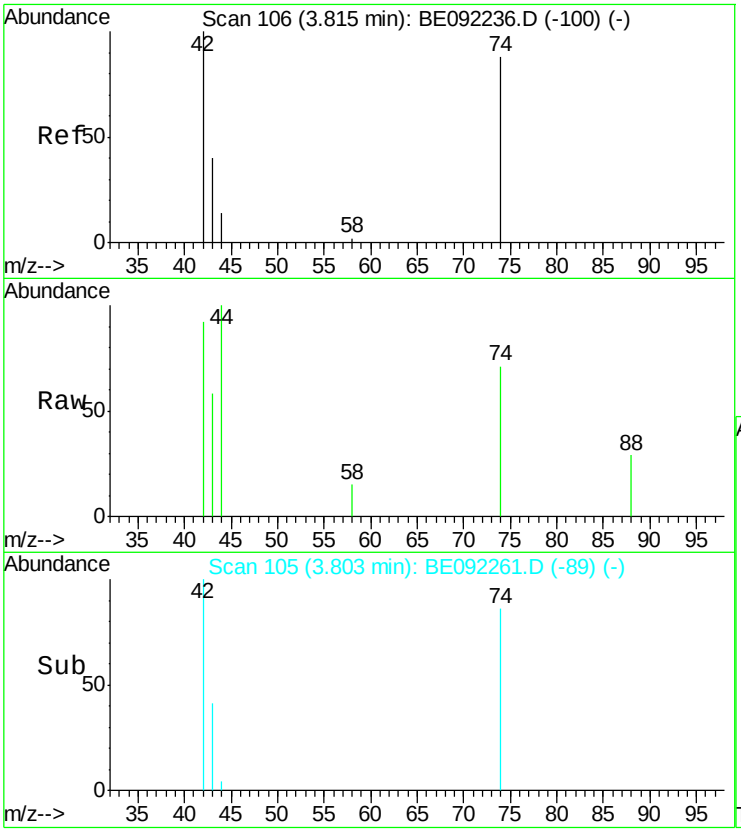


#2
1,4-Dioxane
Concen: 0.38 ng
RT: 3.44 min Scan# 74
Delta R.T. 0.00 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

Tgt Ion: 88 Resp: 690

Ion	Ratio	Lower	Upper
88	100		
58	81.3	64.4	96.6
43	39.6	33.4	50.2

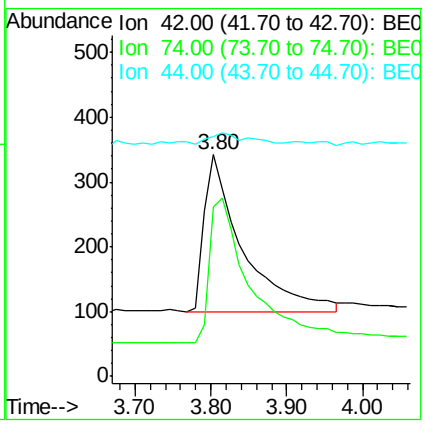




#3
n-Nitrosodimethylamine
Concen: 0.48 ng
RT: 3.80 min Scan# 105
Delta R.T. -0.01 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

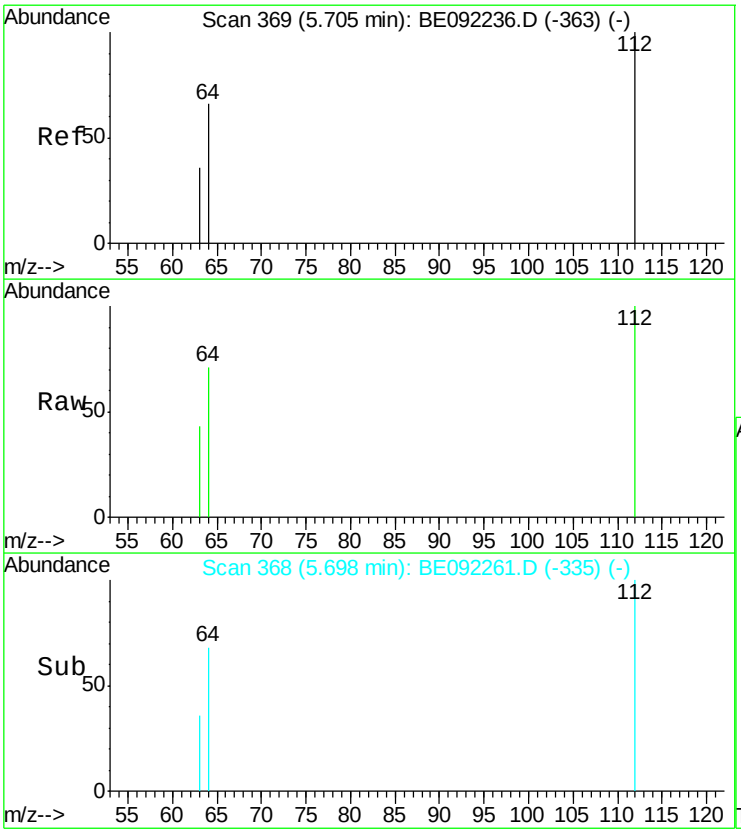
Tgt Ion: 42 Resp: 849

Ion	Ratio	Lower	Upper
42	100		
74	99.1	77.2	115.8
44	8.4	5.0	7.4#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

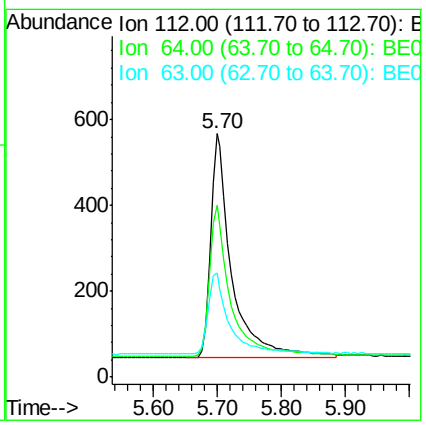
Manual Integrations APPROVED
sohil
8/11/2016 8:34:14 AM

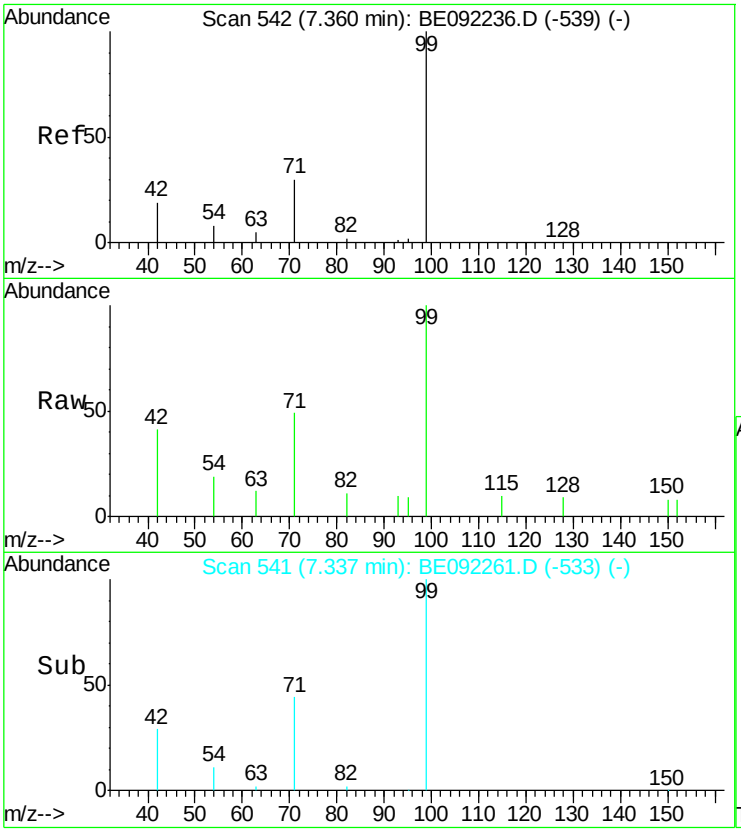


#4
2-Fluorophenol
Concen: 0.41 ng
RT: 5.70 min Scan# 368
Delta R.T. -0.01 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

Tgt Ion:112 Resp: 1230

Ion	Ratio	Lower	Upper
112	100		
64	67.8	53.2	79.8
63	35.8	27.4	41.2





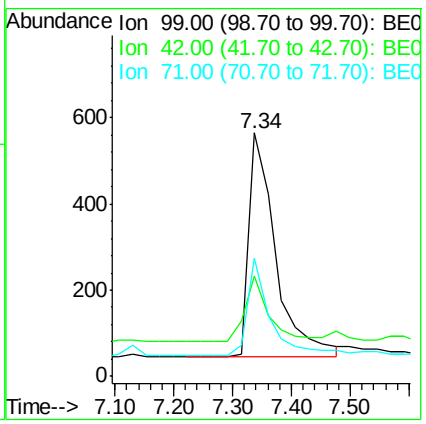
#5
Phenol-d6
Concen: 0.39 ng
RT: 7.34 min Scan# 541
Delta R.T. -0.02 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

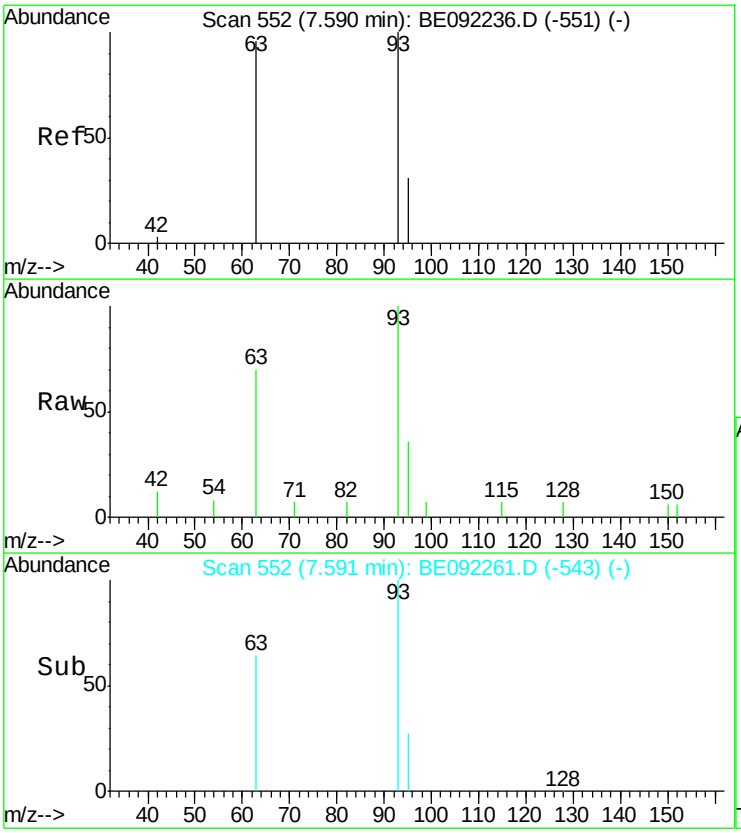
Tgt Ion: 99 Resp: 1659

Ion	Ratio	Lower	Upper
99	100		
42	27.2	0.0	0.0#
71	35.7	29.8	44.8

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
sohil
8/11/2016 8:34:14 AM

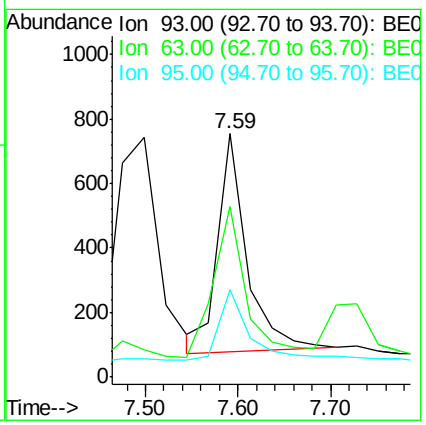


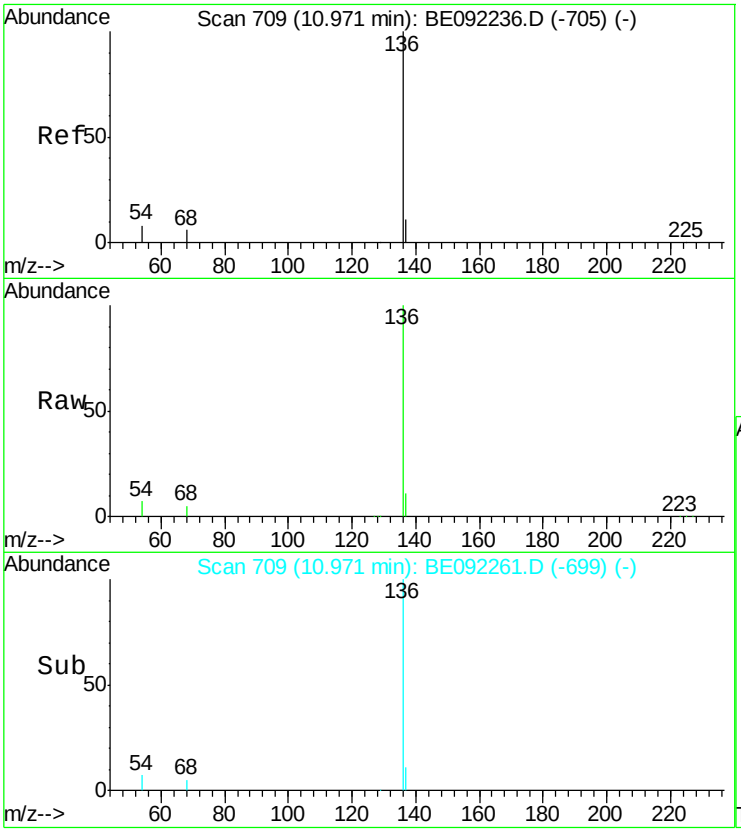


#6
bis(2-Chloroethyl)ether
Concen: 0.43 ng
RT: 7.59 min Scan# 552
Delta R.T. 0.00 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

Tgt Ion: 93 Resp: 1488

Ion	Ratio	Lower	Upper
93	100		
63	78.1	68.5	102.7
95	32.6	27.2	40.8

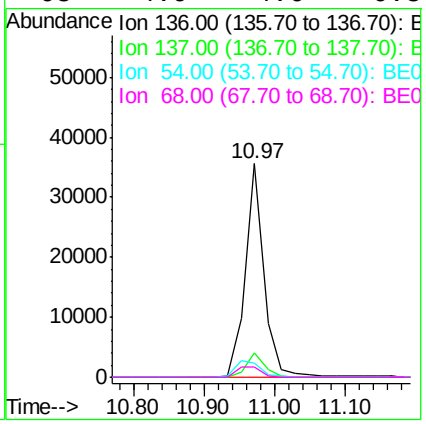




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.97 min Scan# 709
Delta R.T. -0.00 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

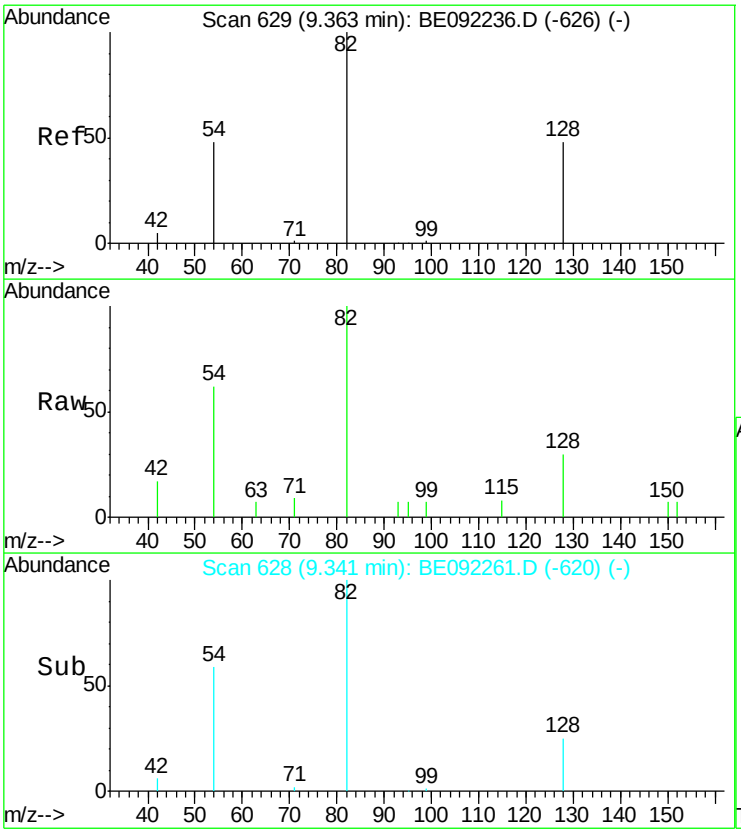
Tgt Ion:136 Resp: 65392

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	6.7	6.2	9.4
68	4.9	4.6	6.8



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

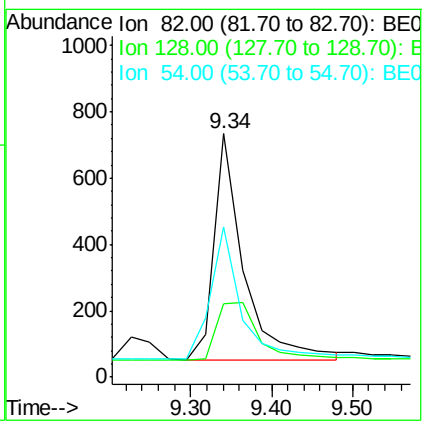
Manual Integrations APPROVED
sohil
8/11/2016 8:34:14 AM

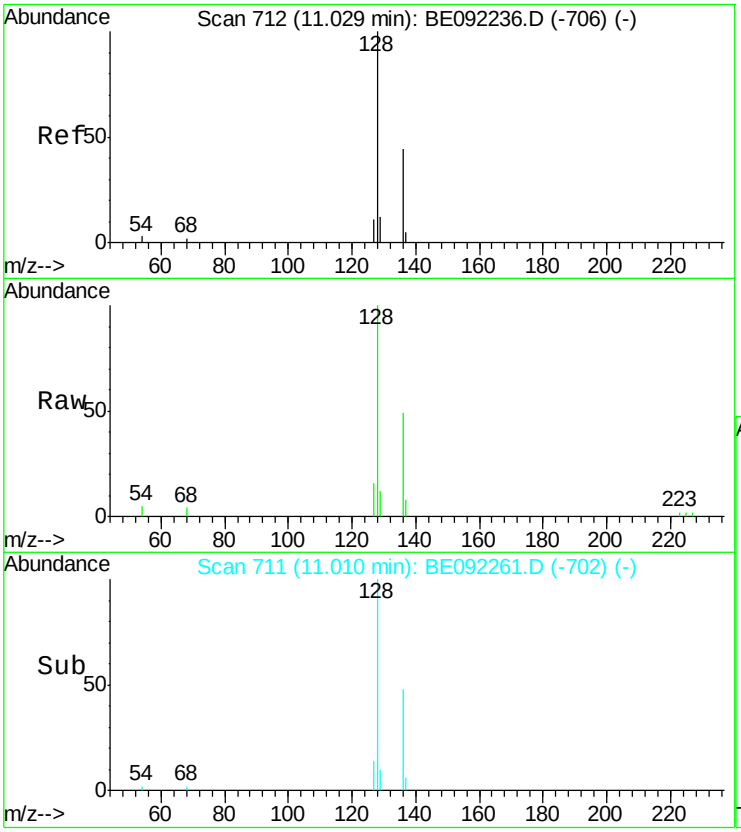


#8
Nitrobenzene-d5
Concen: 0.38 ng
RT: 9.34 min Scan# 628
Delta R.T. -0.02 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

Tgt Ion: 82 Resp: 1735

Ion	Ratio	Lower	Upper
82	100		
128	30.4	45.0	67.4#
54	61.9	45.4	68.2

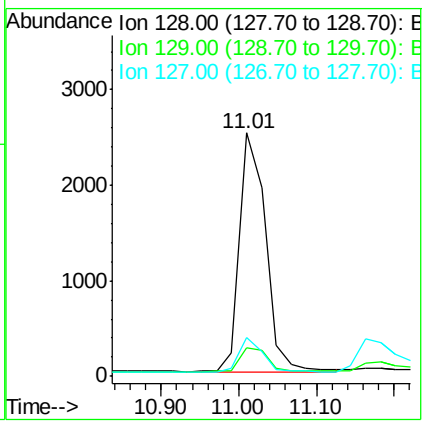




#9
Naphthalene
Concen: 0.40 ng
RT: 11.01 min Scan# 711
Delta R.T. -0.02 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

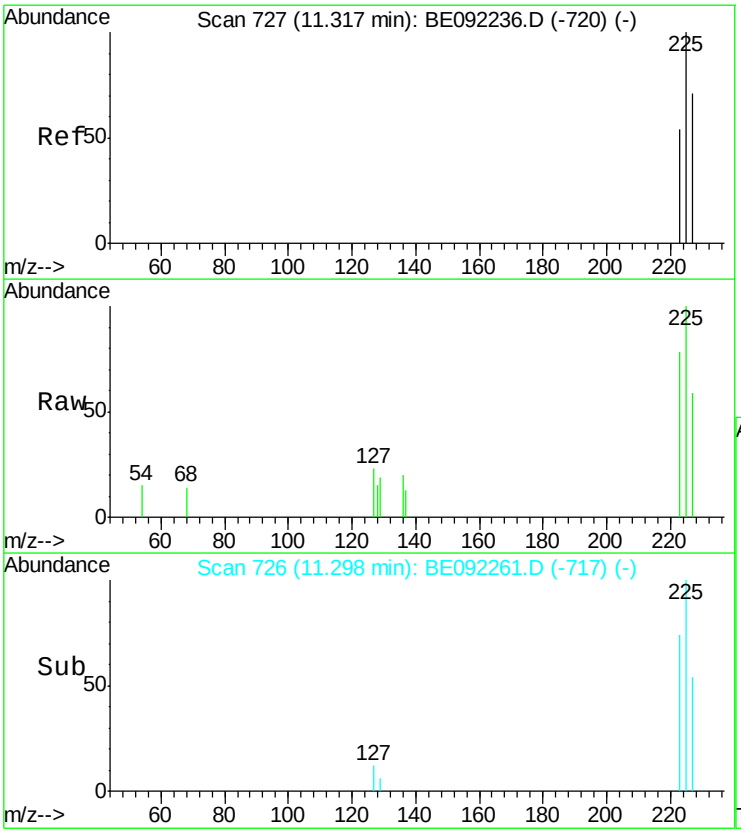
Tgt Ion:128 Resp: 5838

Ion	Ratio	Lower	Upper
128	100		
129	11.7	11.5	17.3
127	15.9	11.0	16.6



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

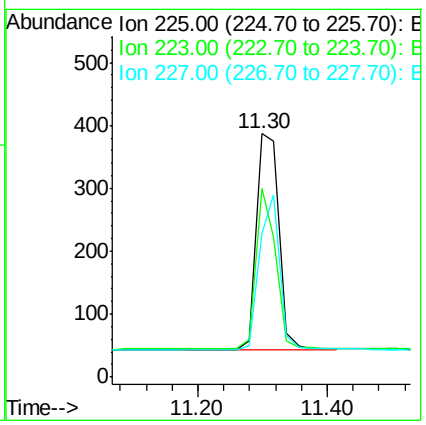
Manual Integrations APPROVED
sohil
8/11/2016 8:34:14 AM

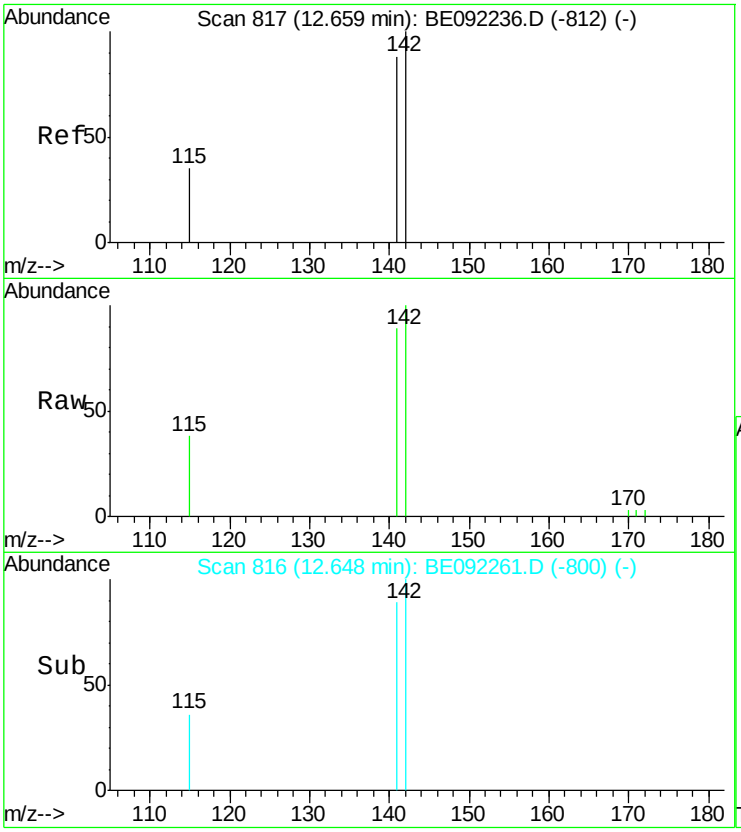


#10
Hexachlorobutadiene
Concen: 0.39 ng
RT: 11.30 min Scan# 726
Delta R.T. -0.02 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

Tgt Ion:225 Resp: 832

Ion	Ratio	Lower	Upper
225	100		
223	64.5	52.2	78.4
227	64.3	51.0	76.6

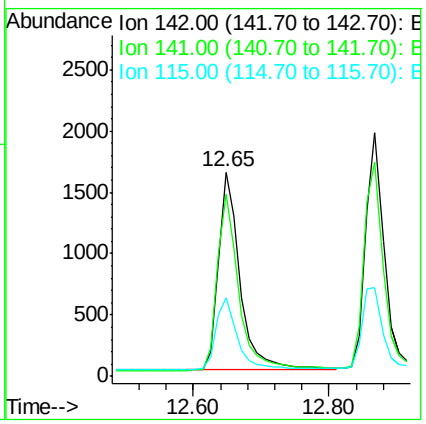




#11
2-Methylnaphthalene
Concen: 0.40 ng
RT: 12.65 min Scan# 816
Delta R.T. -0.01 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

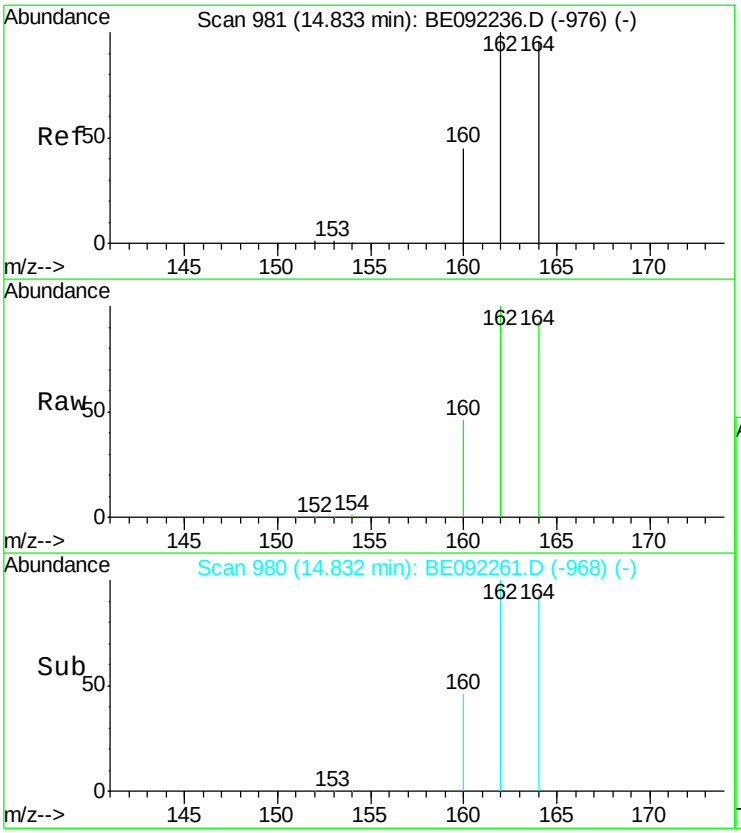
Tgt Ion:142 Resp: 3669

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.6	105.8
115	38.4	31.0	46.4



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

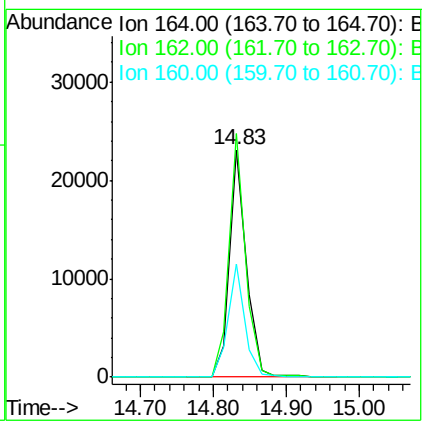
Manual Integrations APPROVED
sohil
8/11/2016 8:34:14 AM

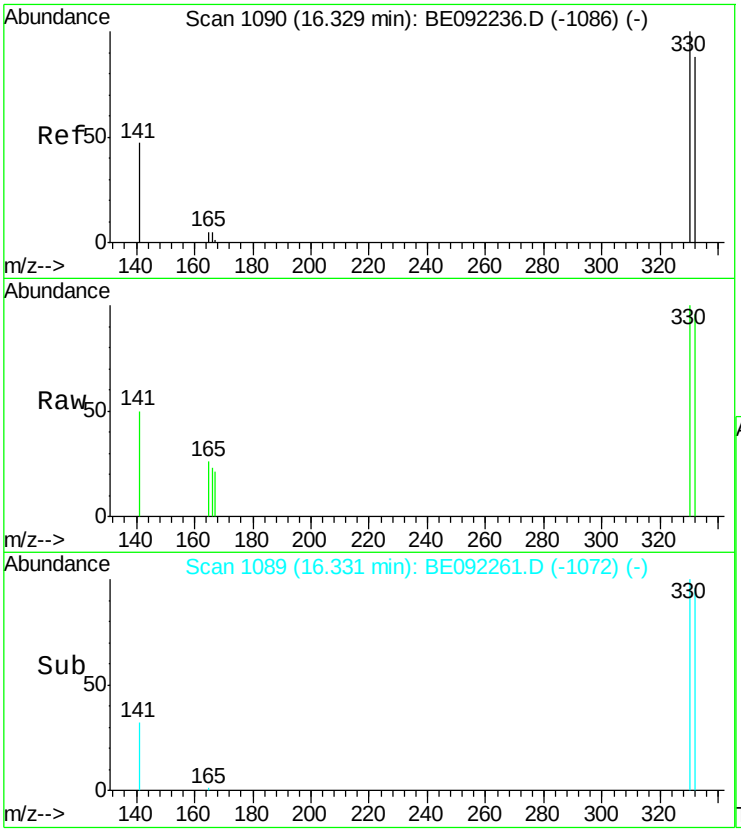


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.83 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

Tgt Ion:164 Resp: 36359

Ion	Ratio	Lower	Upper
164	100		
162	107.3	83.3	124.9
160	49.9	38.0	57.0





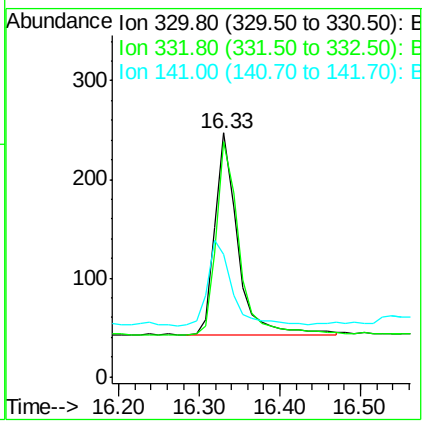
#13
2,4,6-Tribromophenol
Concen: 0.51 ng
RT: 16.33 min Scan# 1089
Delta R.T. 0.00 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

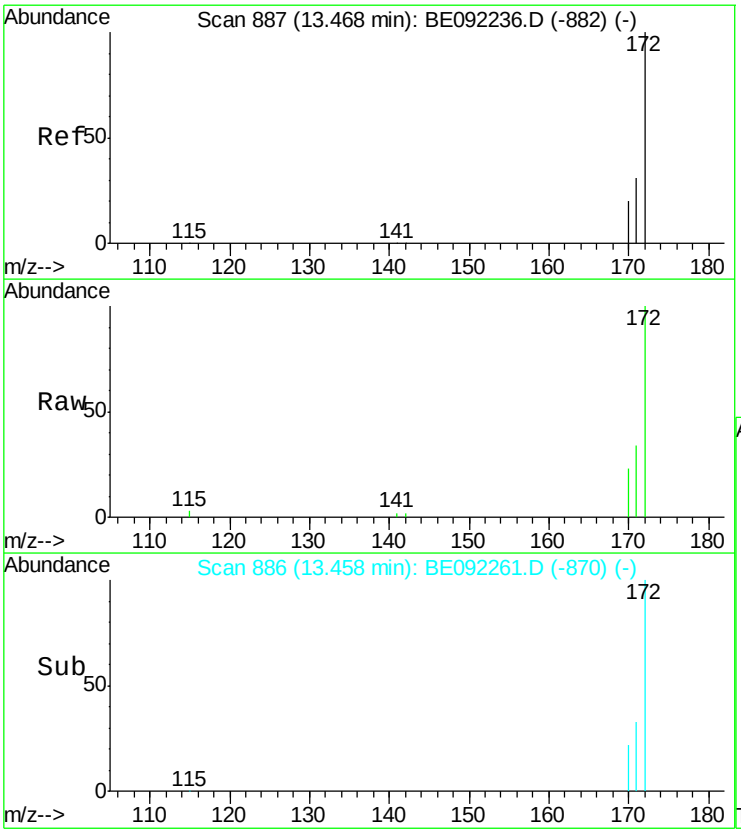
Tgt Ion:330 Resp: 397

Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.4	113.0
141	45.3	37.7	56.5

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
sohil
8/11/2016 8:34:14 AM

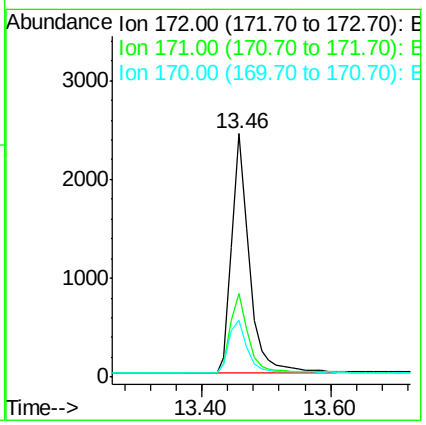


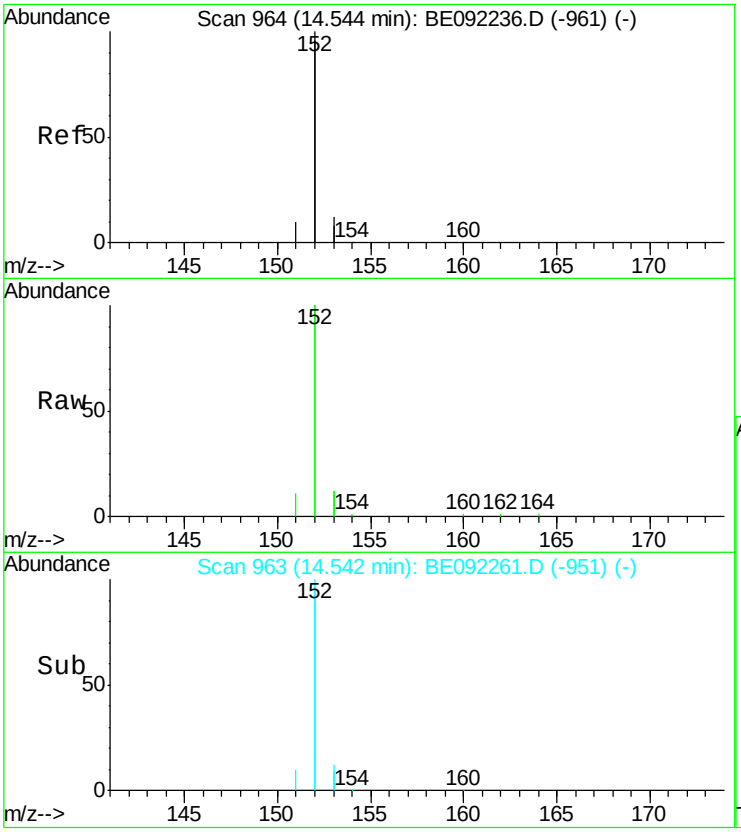


#14
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 13.46 min Scan# 886
Delta R.T. -0.01 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

Tgt Ion:172 Resp: 4523

Ion	Ratio	Lower	Upper
172	100		
171	34.4	26.8	40.2
170	23.2	17.8	26.6

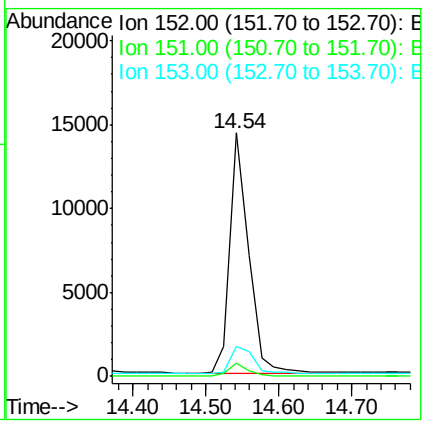




#15
Acenaphthylene
Concen: 0.40 ng
RT: 14.54 min Scan# 963
Delta R.T. -0.00 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

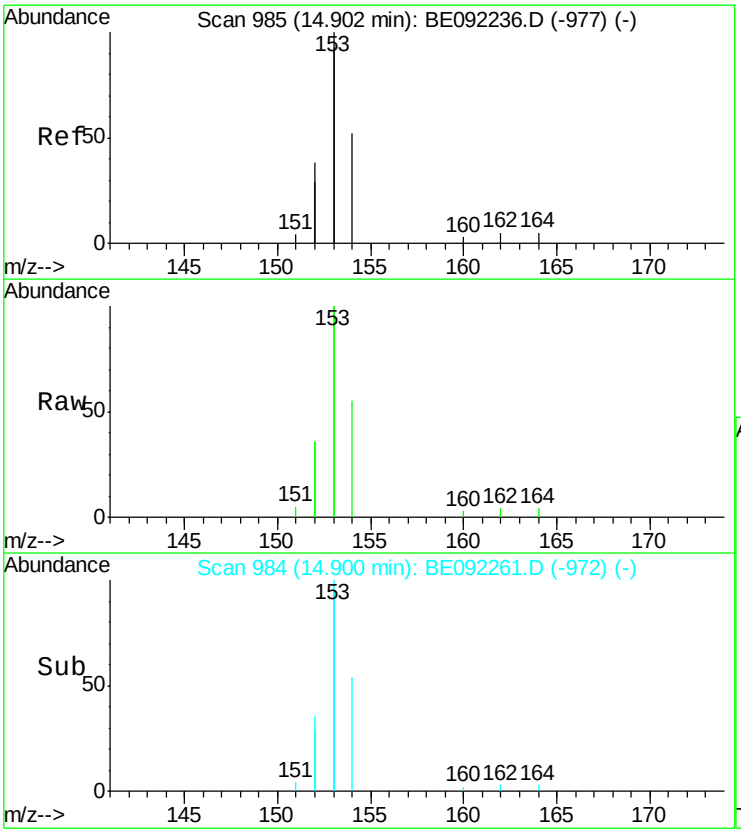
Tgt Ion:152 Resp: 25229

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.8	5.8
153	12.9	10.2	15.2



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

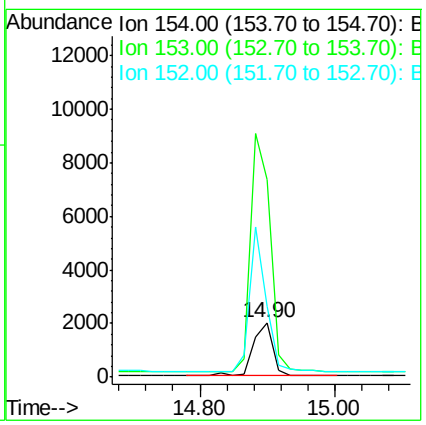
Manual Integrations APPROVED
sohil
8/11/2016 8:34:14 AM

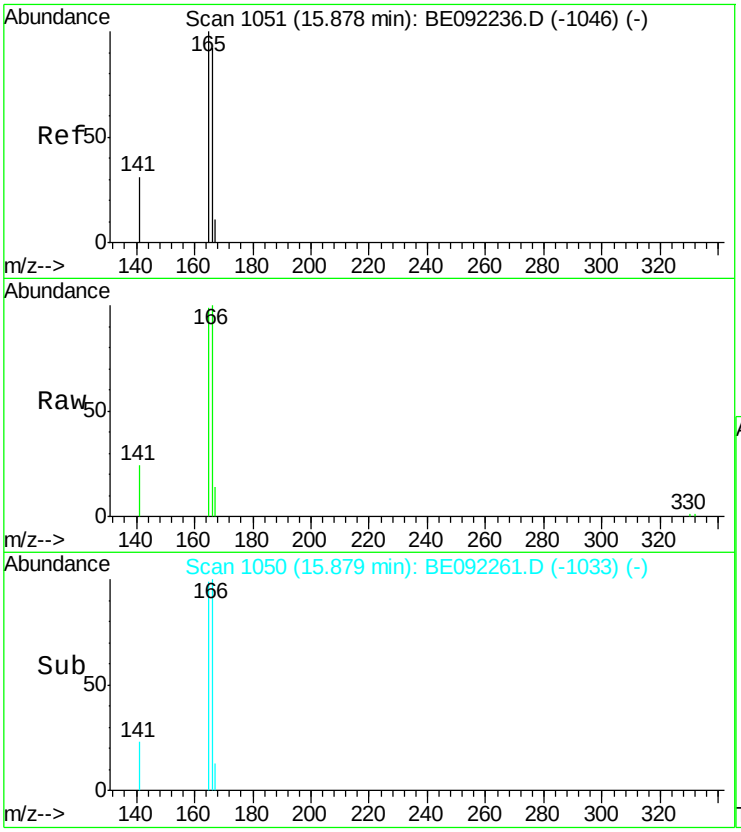


#16
Acenaphthene
Concen: 0.40 ng
RT: 14.90 min Scan# 984
Delta R.T. -0.00 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

Tgt Ion:154 Resp: 4014

Ion	Ratio	Lower	Upper
154	100		
153	447.8	355.0	532.4
152	224.9	179.7	269.5

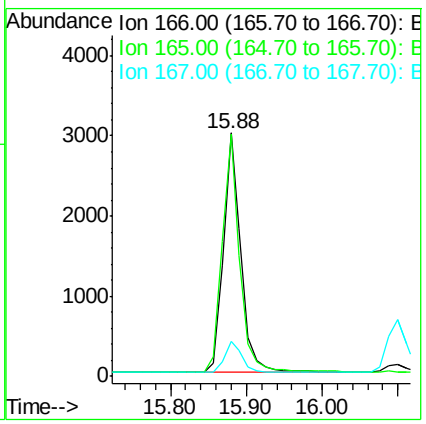




#17
Fluorene
Concen: 0.40 ng
RT: 15.88 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

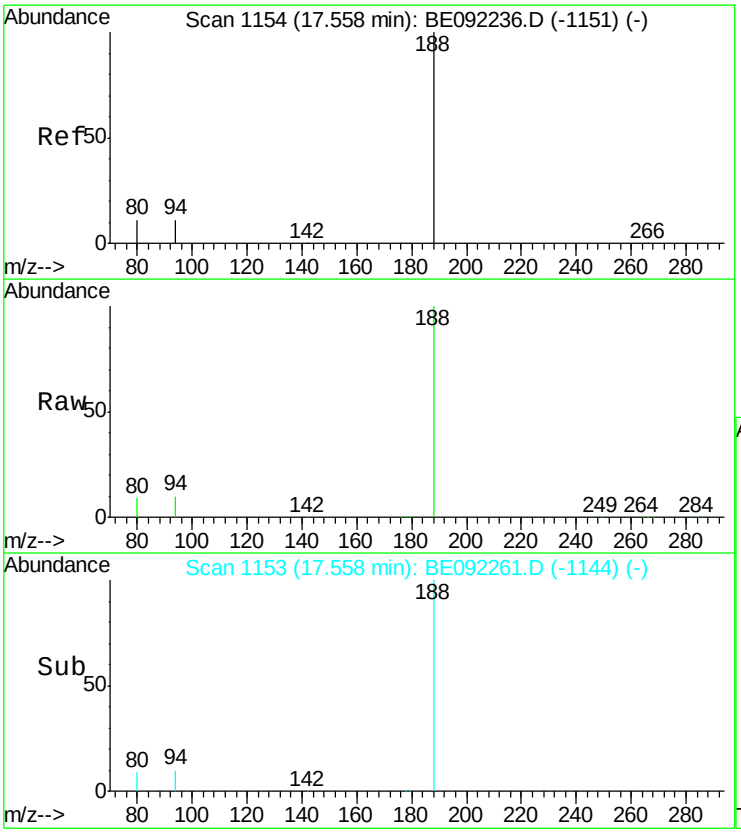
Tgt Ion:166 Resp: 4887

Ion	Ratio	Lower	Upper
166	100		
165	99.2	80.1	120.1
167	13.8	10.6	16.0



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

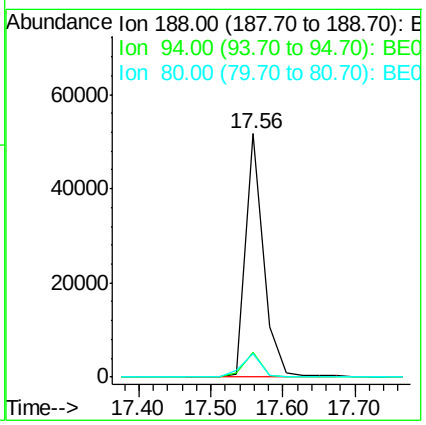
Manual Integrations APPROVED
sohil
8/11/2016 8:34:14 AM

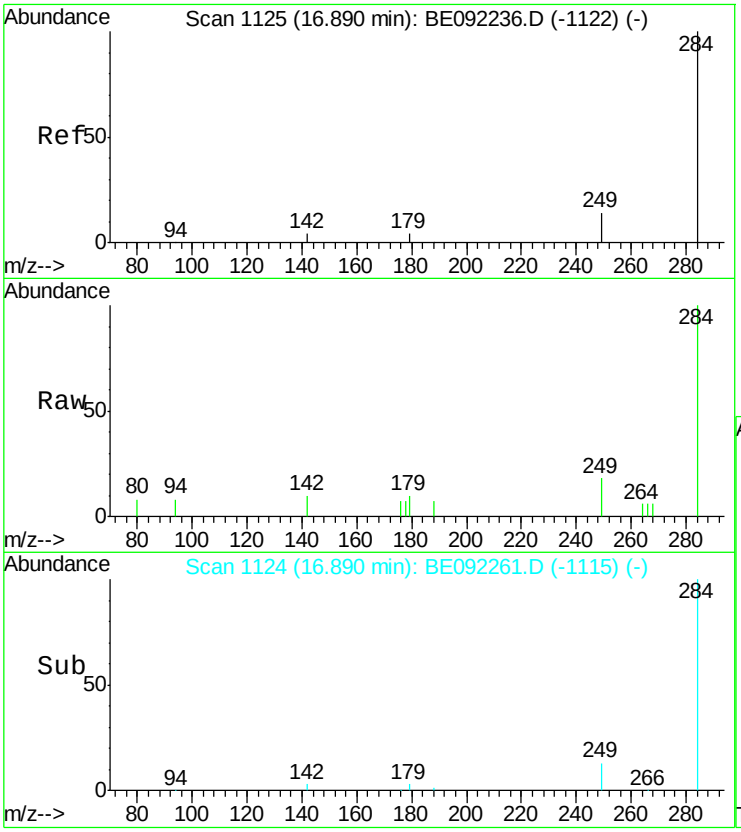


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

Tgt Ion:188 Resp: 89243

Ion	Ratio	Lower	Upper
188	100		
94	10.0	9.2	13.8
80	9.4	9.1	13.7

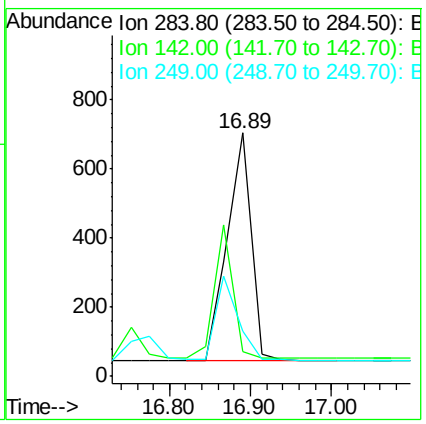




#19
Hexachlorobenzene
Concen: 0.38 ng
RT: 16.89 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

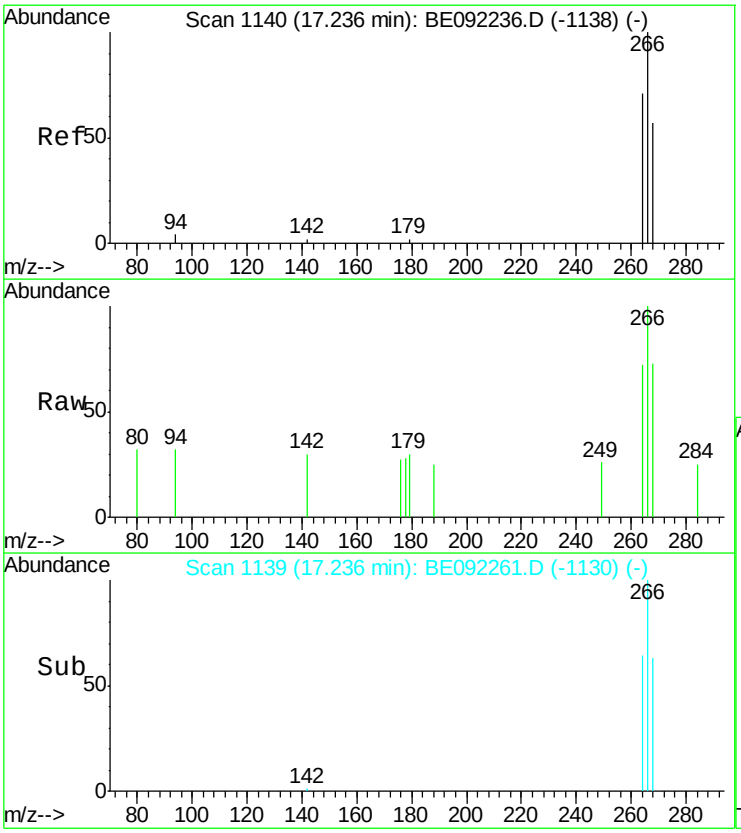
Tgt Ion:284 Resp: 1348

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	0.0	0.0	0.0



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

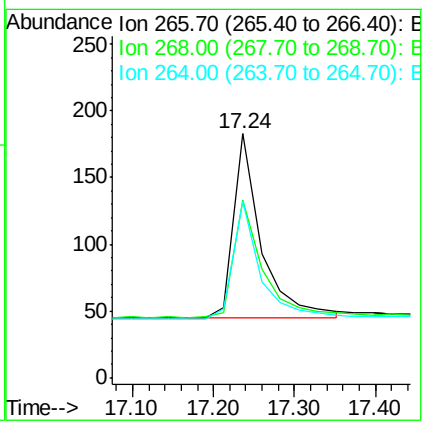
Manual Integrations APPROVED
sohil
8/11/2016 8:34:14 AM

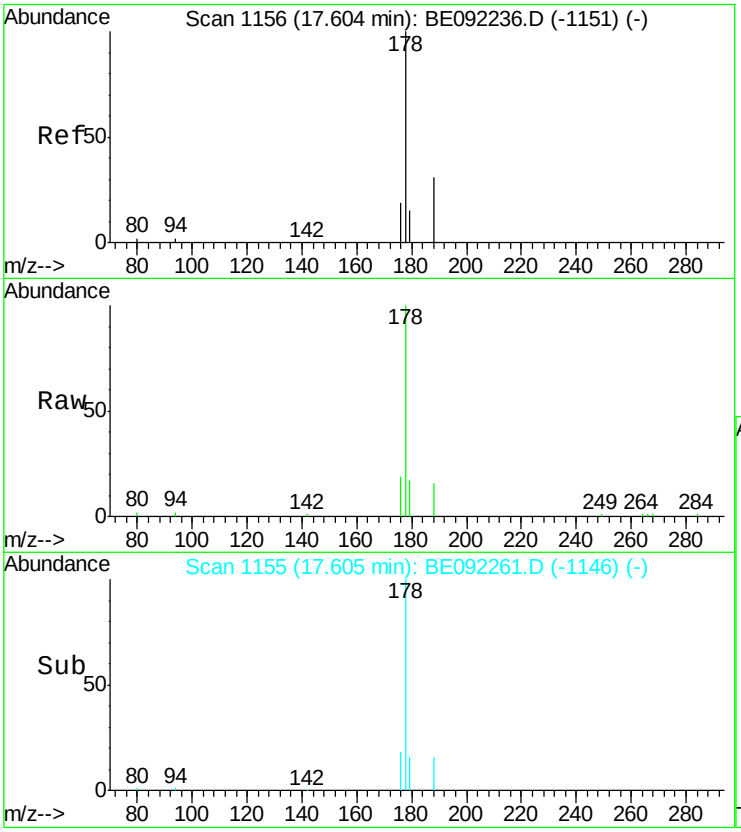


#20
Pentachlorophenol
Concen: 0.45 ng
RT: 17.24 min Scan# 1139
Delta R.T. 0.00 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

Tgt Ion:266 Resp: 326

Ion	Ratio	Lower	Upper
266	100		
268	72.7	62.3	93.5
264	72.1	67.4	101.0

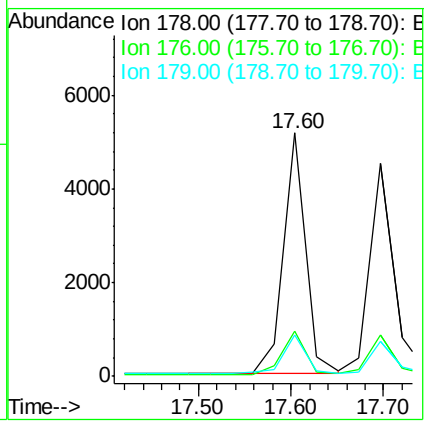




#21
Phenanthrene
Concen: 0.37 ng
RT: 17.60 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

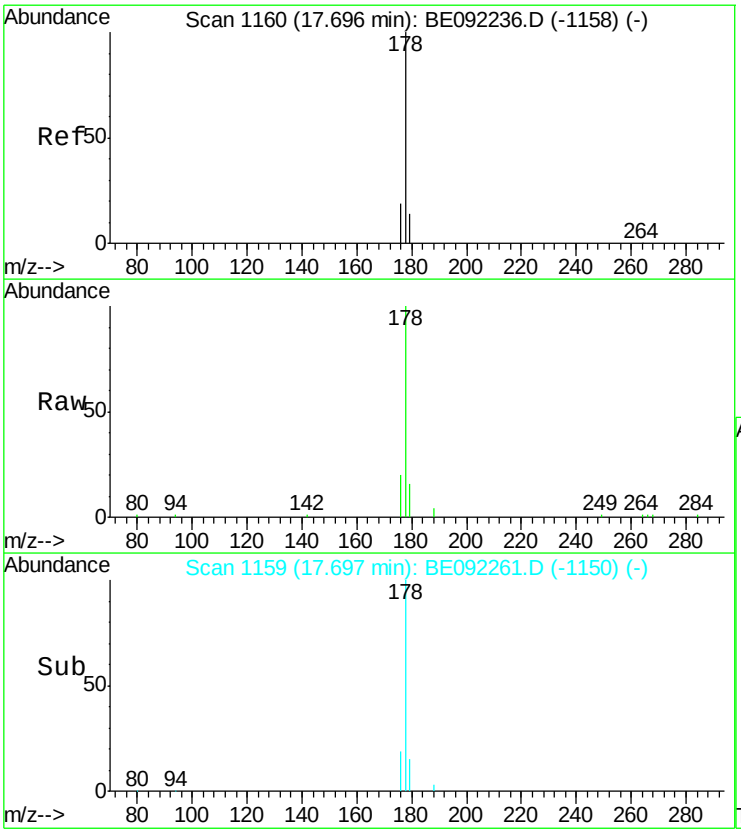
Tgt Ion:178 Resp: 8614

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	16.4	12.9	19.3



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

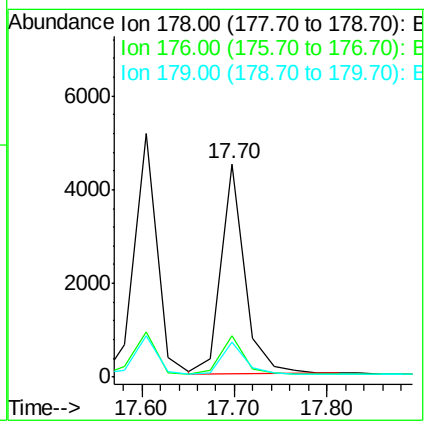
Manual Integrations APPROVED
sohil
8/11/2016 8:34:14 AM

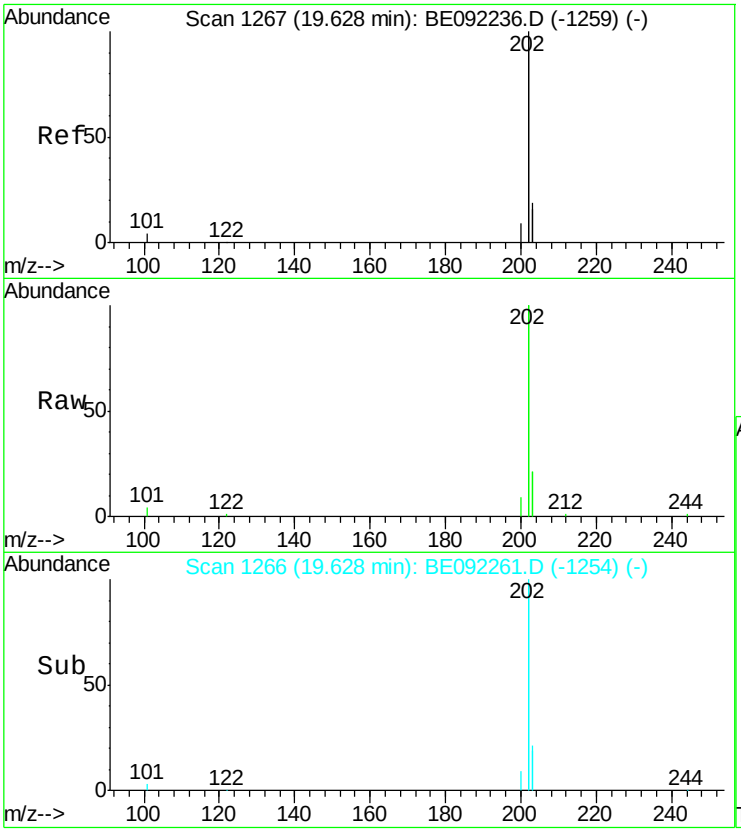


#22
Anthracene
Concen: 0.38 ng
RT: 17.70 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

Tgt Ion:178 Resp: 7983

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.4
179	15.4	12.0	18.0





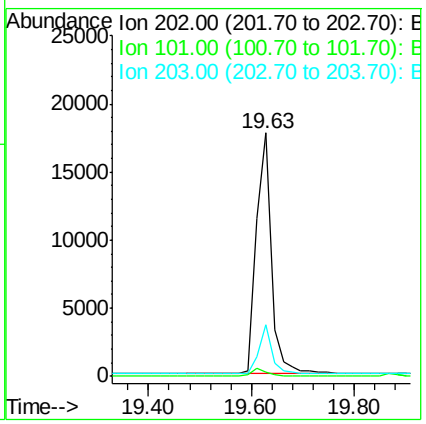
#23
Fluoranthene
Concen: 0.39 ng
RT: 19.63 min Scan# 1266
Delta R.T. 0.00 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

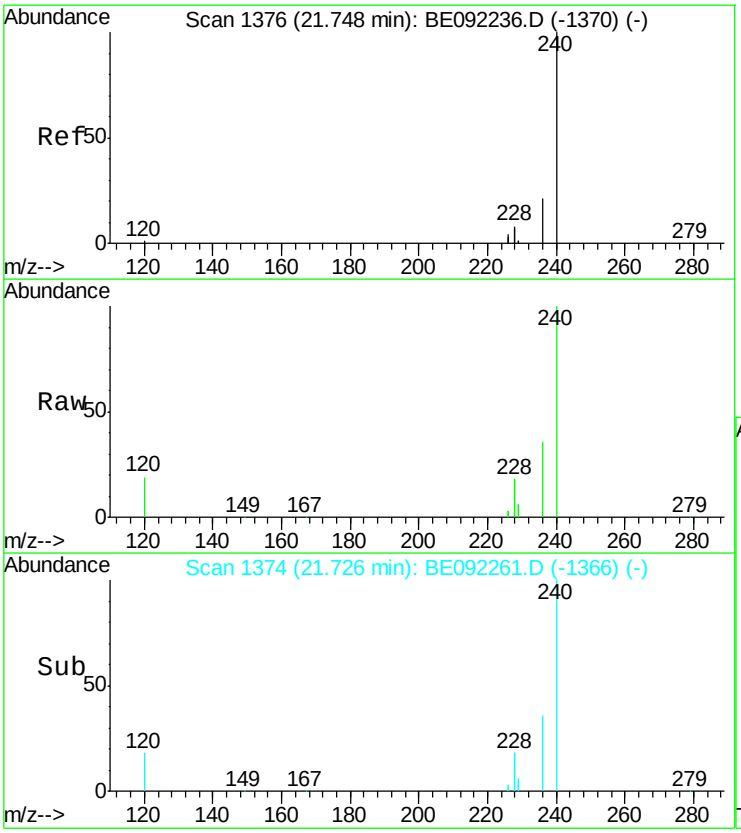
Tgt Ion:202 Resp: 35566

Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.4	13.7	20.5

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
sohil
8/11/2016 8:34:14 AM

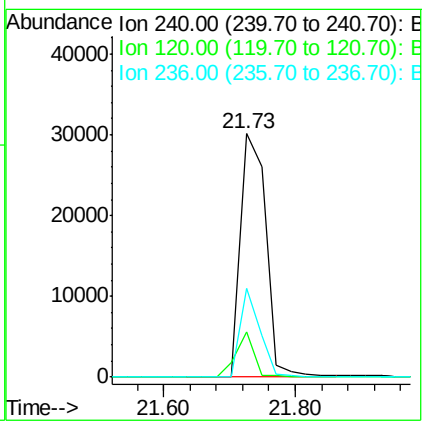


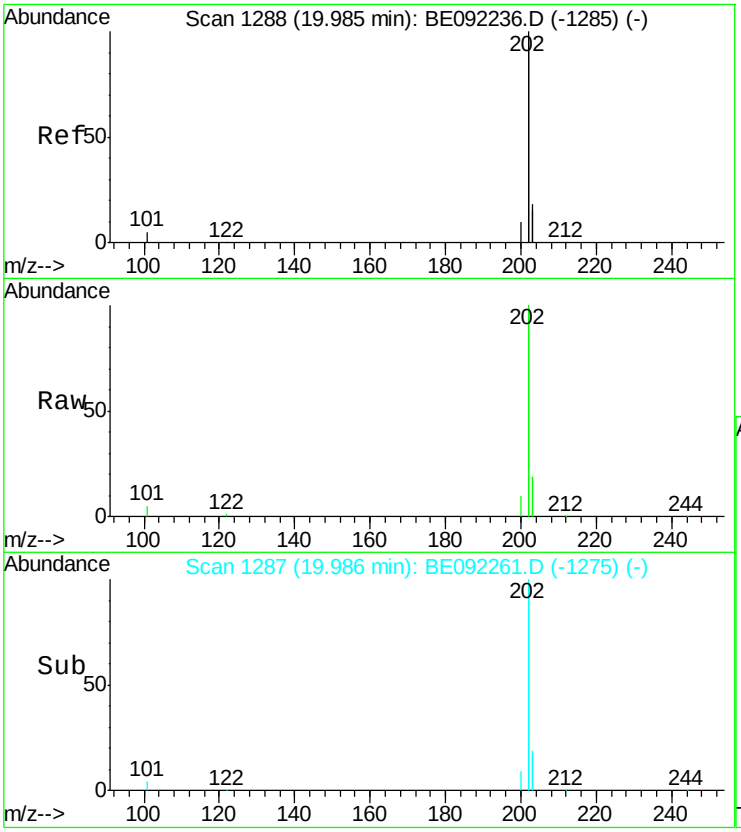


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.73 min Scan# 1374
Delta R.T. -0.02 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

Tgt Ion:240 Resp: 79876

Ion	Ratio	Lower	Upper
240	100		
120	18.5	1.2	1.8#
236	36.3	17.1	25.7#





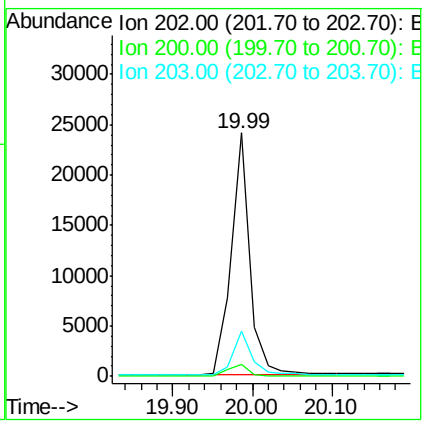
#25
Pyrene
Concen: 0.41 ng
RT: 19.99 min Scan# 1287
Delta R.T. 0.00 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

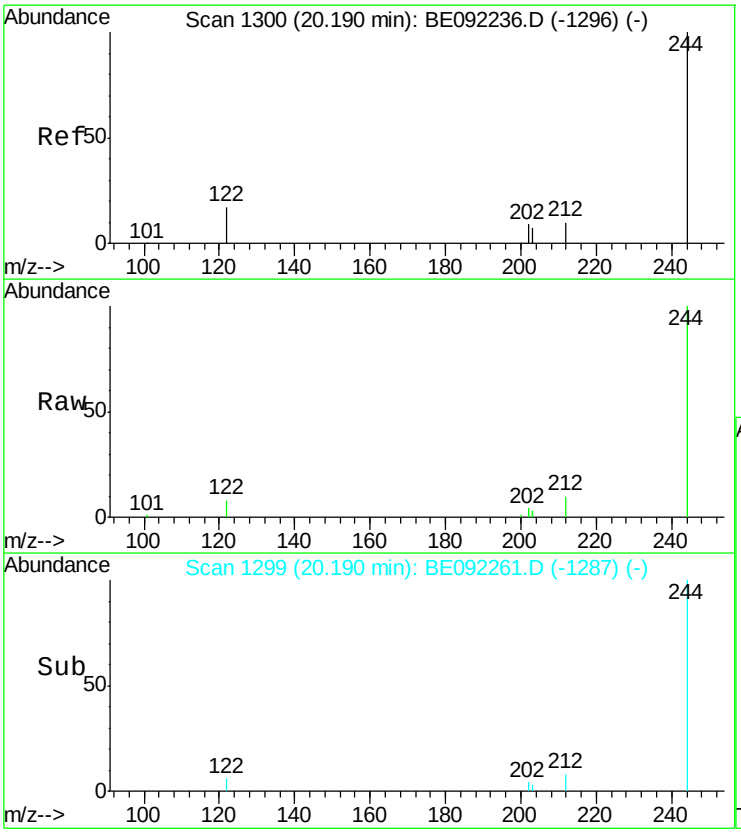
Tgt Ion:202 Resp: 38950

Ion	Ratio	Lower	Upper
202	100		
200	5.2	4.2	6.4
203	17.6	14.0	21.0

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
sohil
8/11/2016 8:34:14 AM

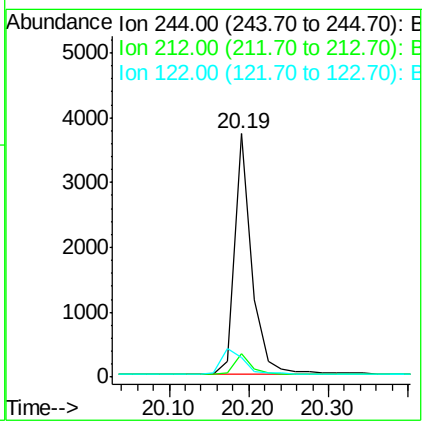


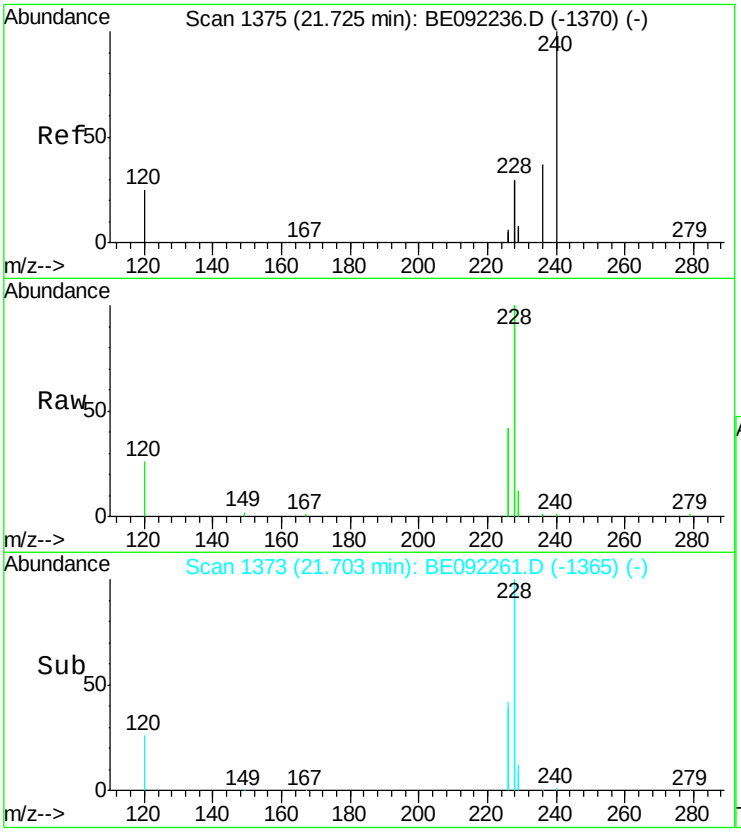


#26
Terphenyl-d14
Concen: 0.41 ng
RT: 20.19 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

Tgt Ion:244 Resp: 5583

Ion	Ratio	Lower	Upper
244	100		
212	9.7	10.2	15.2#
122	8.1	15.9	23.9#

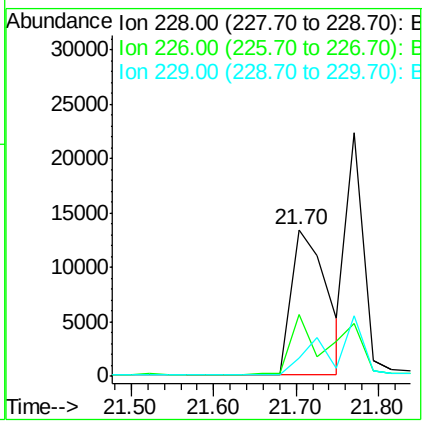




#27
Benzo(a)anthracene
Concen: 0.42 ng
RT: 21.70 min Scan# 1373
Delta R.T. -0.02 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

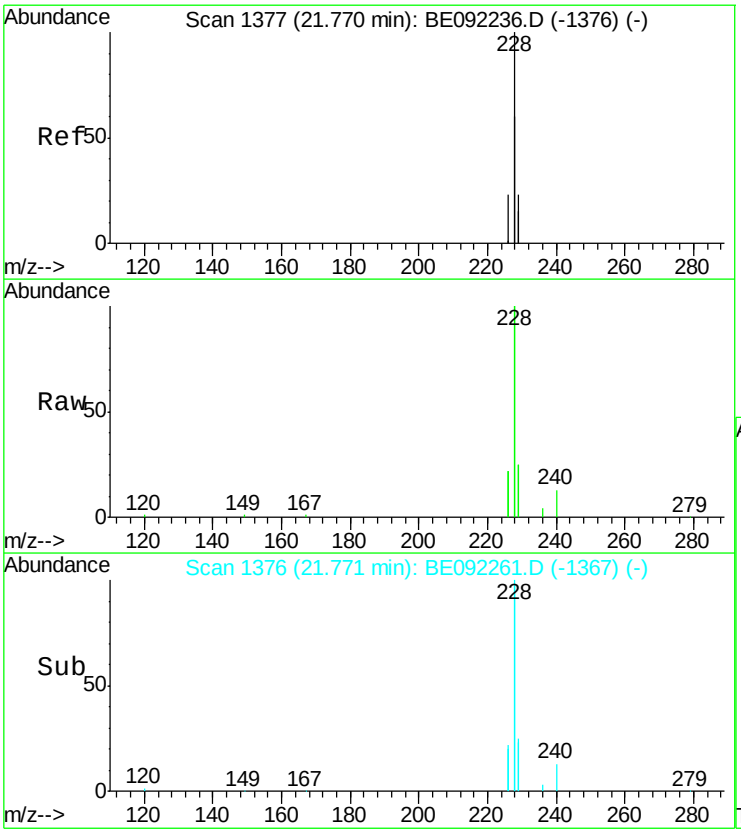
Tgt Ion:228 Resp: 39948

Ion	Ratio	Lower	Upper
228	100		
226	42.0	15.9	23.9#
229	12.3	22.4	33.6#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

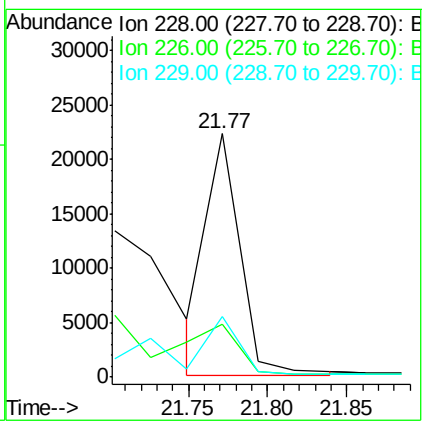
Manual Integrations APPROVED
sohil
8/11/2016 8:34:14 AM

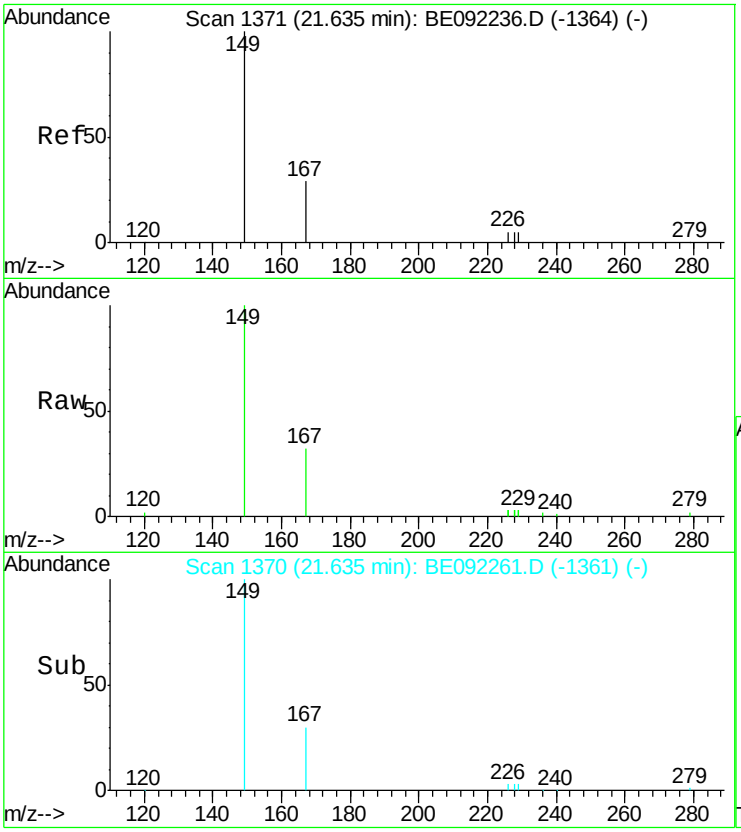


#28
Chrysene
Concen: 0.38 ng m
RT: 21.77 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

Tgt Ion:228 Resp: 33226

Ion	Ratio	Lower	Upper
228	100		
226	21.7	18.3	27.5
229	24.8	18.6	27.8





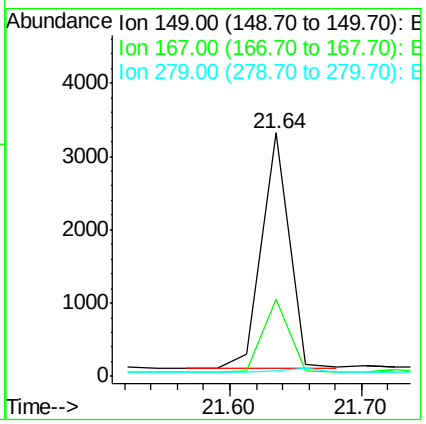
#29
Bis(2-ethylhexyl)phthalate
Concen: 0.52 ng
RT: 21.64 min Scan# 1370
Delta R.T. 0.00 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

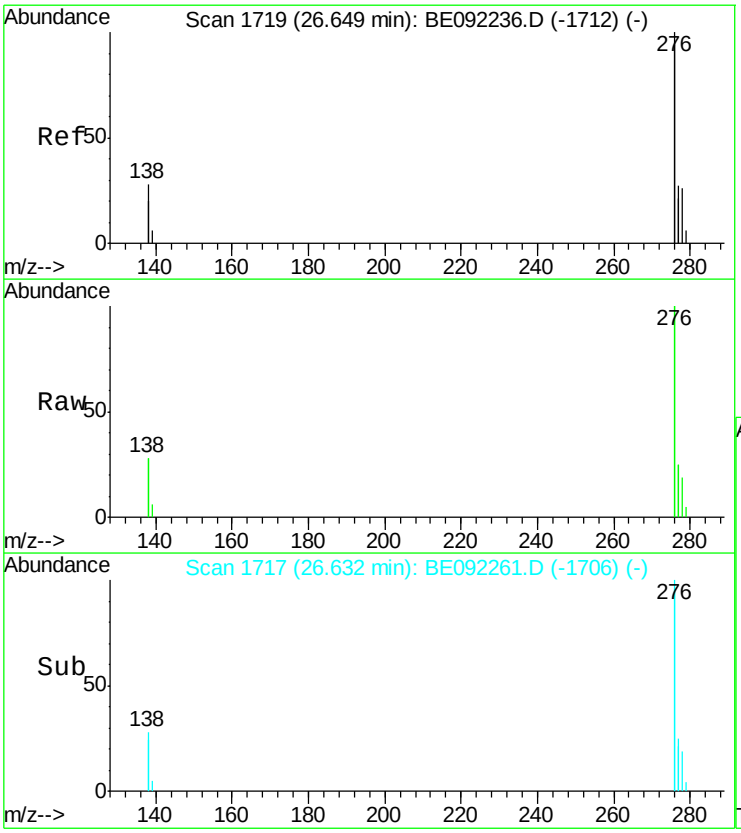
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
sohil
8/11/2016 8:34:14 AM

Tgt Ion:149 Resp: 4718

Ion	Ratio	Lower	Upper
149	100		
167	29.7	22.1	33.1
279	0.0	0.0	0.0

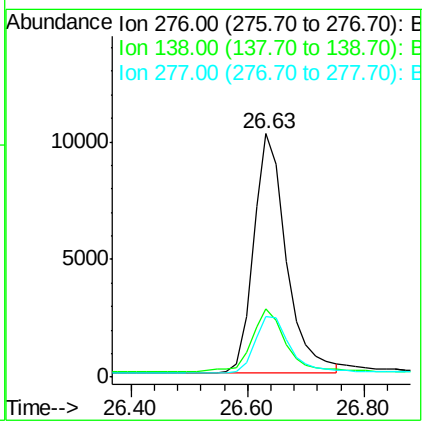


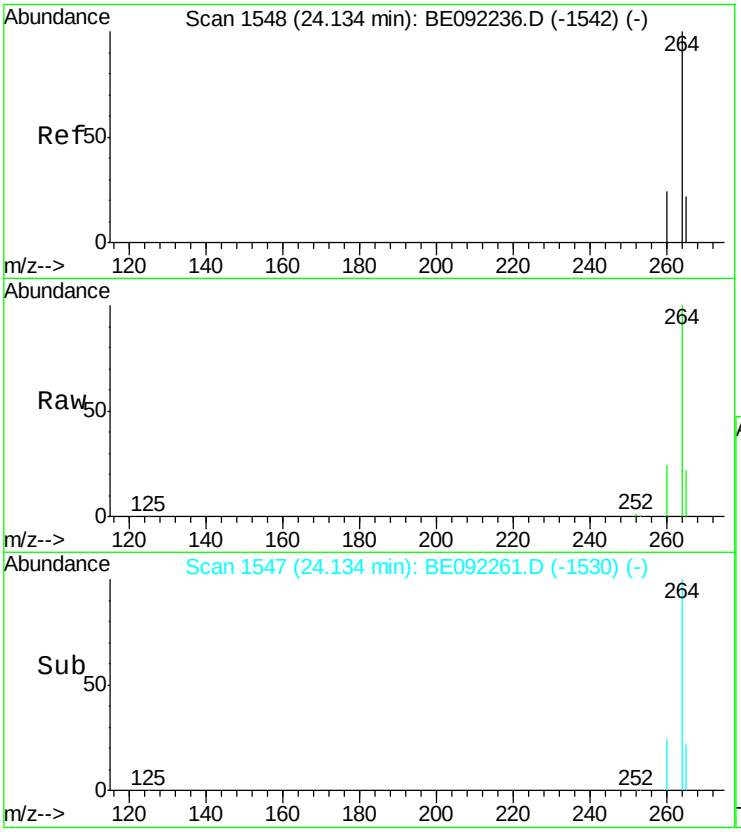


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.41 ng
RT: 26.63 min Scan# 1717
Delta R.T. -0.02 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

Tgt Ion:276 Resp: 39429

Ion	Ratio	Lower	Upper
276	100		
138	27.5	21.3	31.9
277	24.6	19.7	29.5

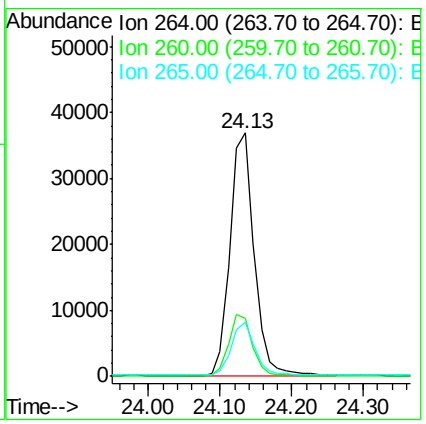




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.13 min Scan# 1547
Delta R.T. -0.00 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

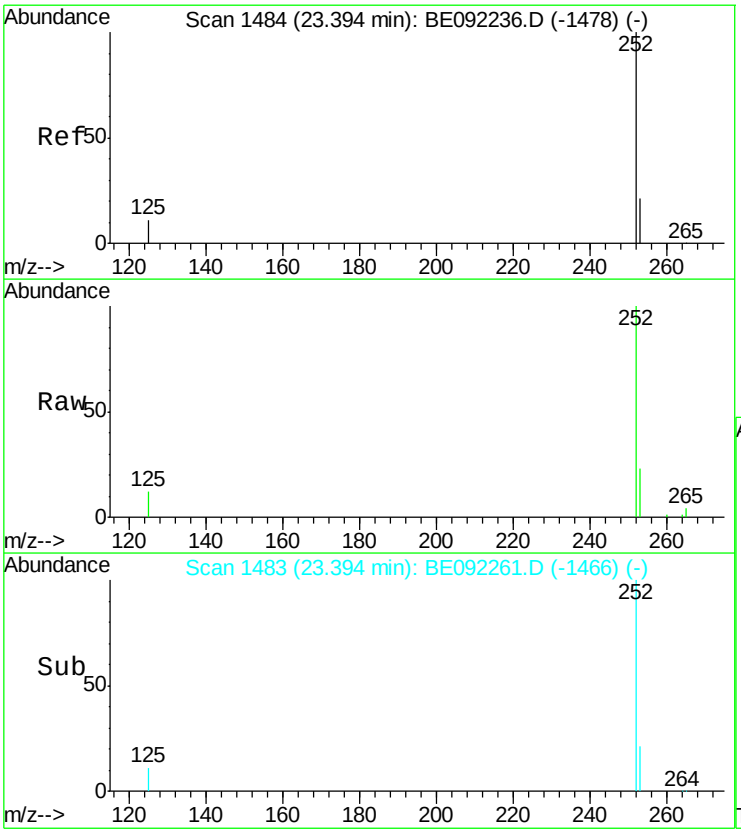
Tgt Ion:264 Resp: 86661

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	22.4	18.2	27.4



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

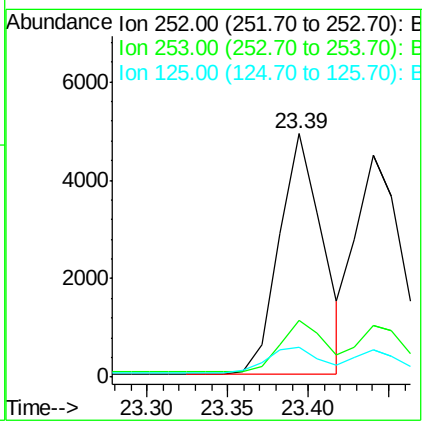
Manual Integrations APPROVED
sohil
8/11/2016 8:34:14 AM

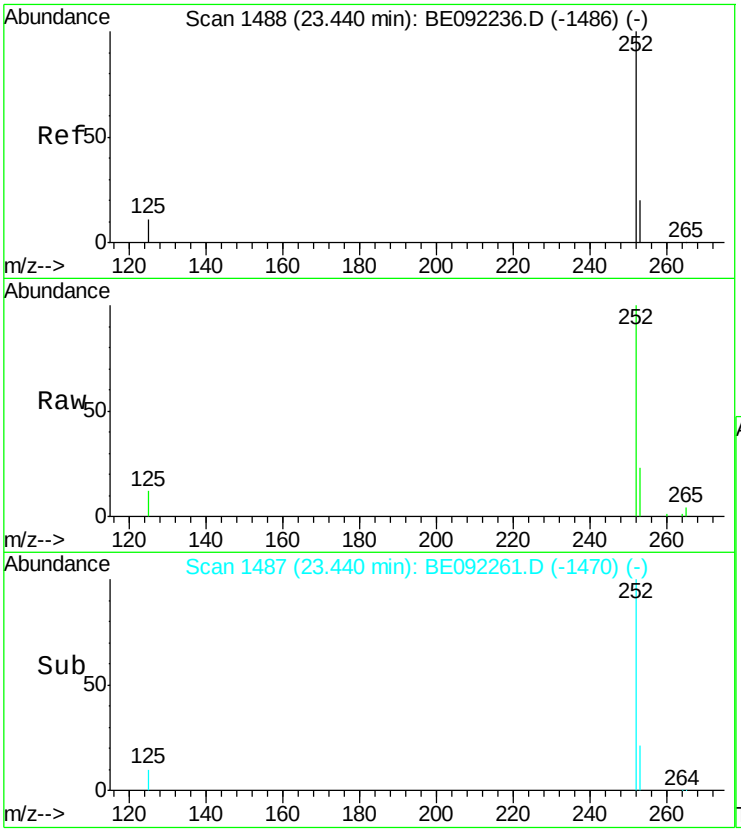


#32
Benzo(b)fluoranthene
Concen: 0.40 ng
RT: 23.39 min Scan# 1483
Delta R.T. -0.00 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

Tgt Ion:252 Resp: 9109

Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.0	28.4
125	12.4	10.3	15.5

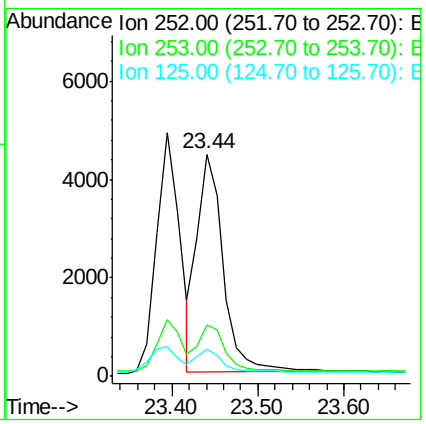




#33
Benzo(k)fluoranthene
Concen: 0.41 ng
RT: 23.44 min Scan# 1487
Delta R.T. -0.00 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

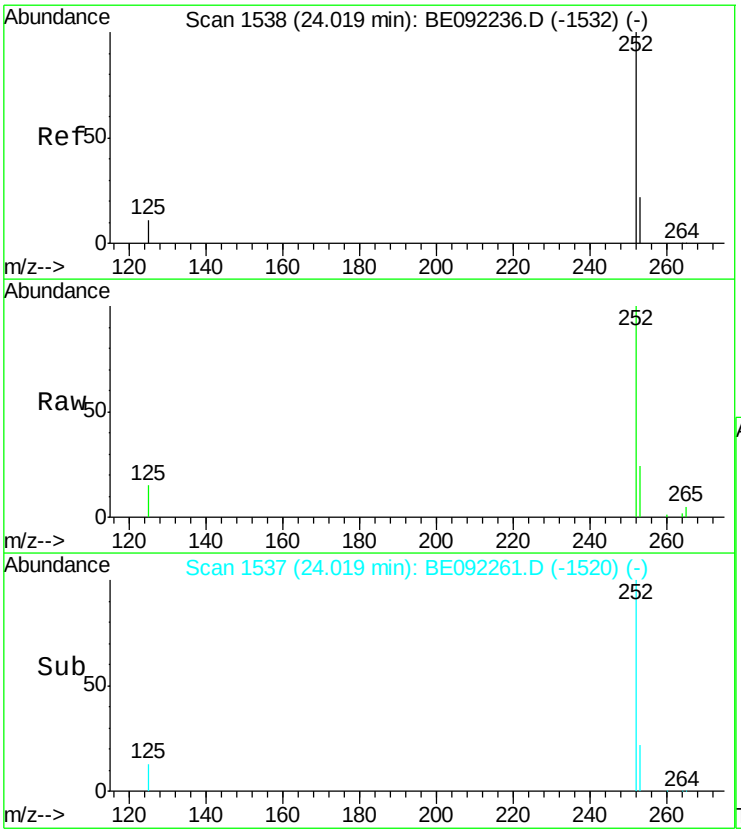
Tgt Ion:252 Resp: 9310

Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.0	28.6
125	12.1	10.6	15.8



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

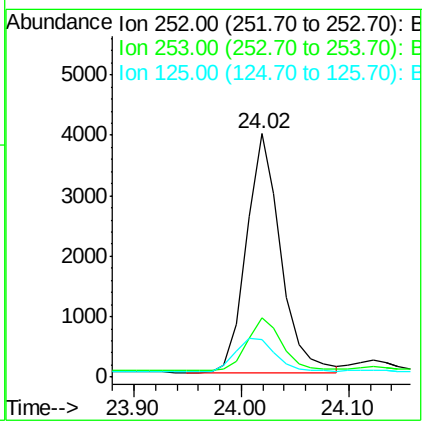
Manual Integrations APPROVED
sohil
8/11/2016 8:34:14 AM

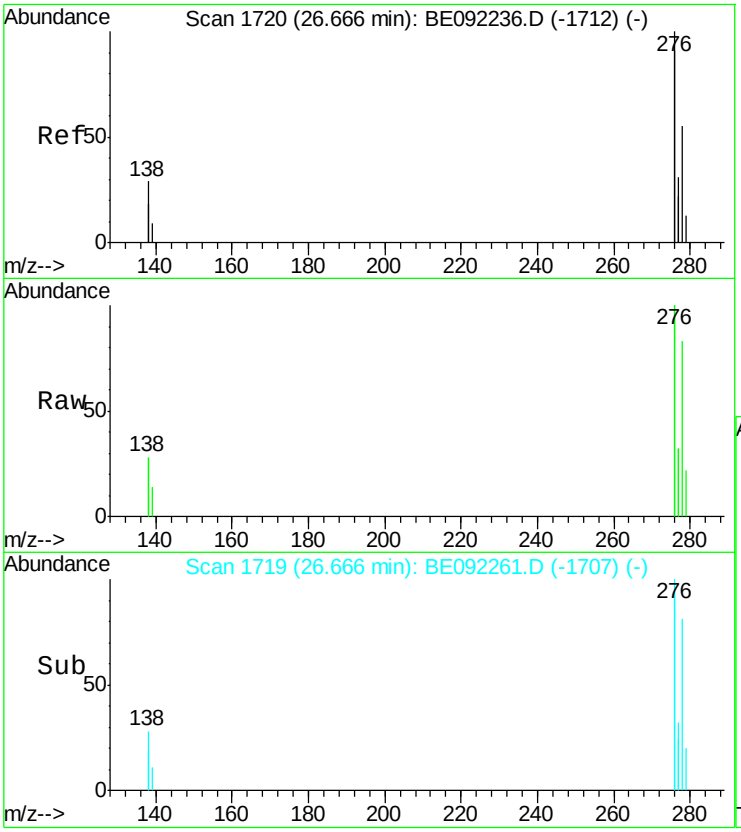


#34
Benzo(a)pyrene
Concen: 0.41 ng
RT: 24.02 min Scan# 1537
Delta R.T. -0.00 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

Tgt Ion:252 Resp: 8718

Ion	Ratio	Lower	Upper
252	100		
253	24.3	20.3	30.5
125	15.4	11.8	17.6

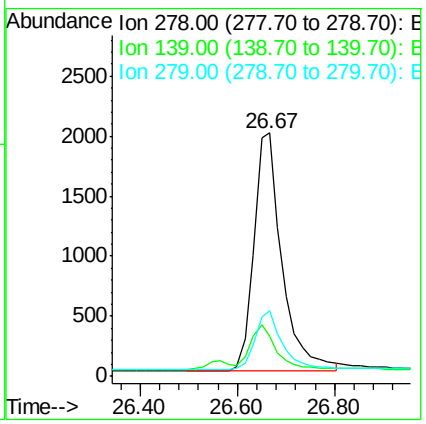




#35
Dibenzo(a,h)anthracene
Concen: 0.40 ng
RT: 26.67 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

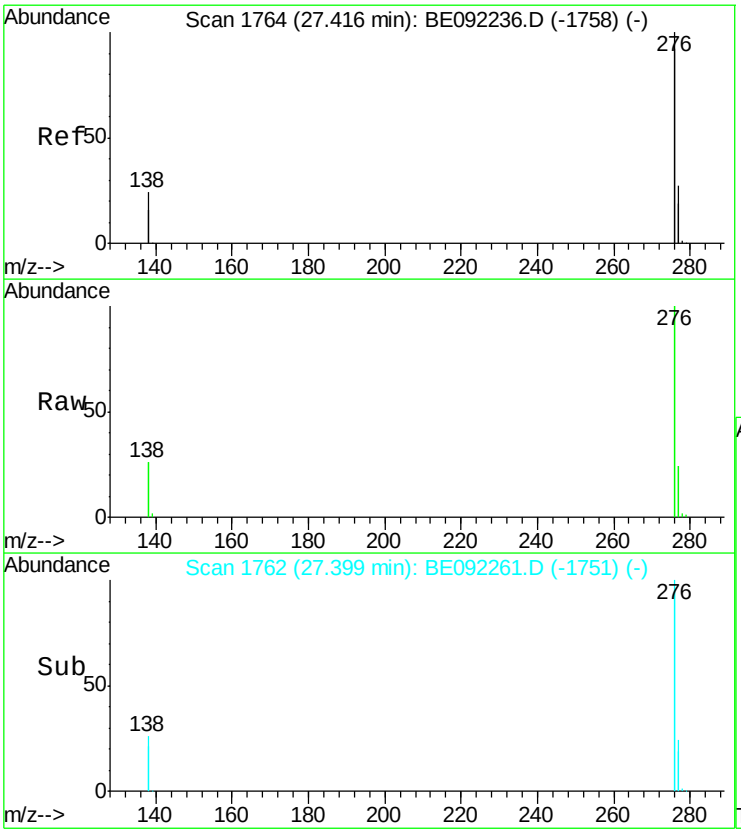
Tgt Ion:278 Resp: 8007

Ion	Ratio	Lower	Upper
278	100		
139	16.4	16.2	24.2
279	26.8	21.4	32.2



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
sohil
8/11/2016 8:34:14 AM



#36
Benzo(g,h,i)perylene
Concen: 0.39 ng
RT: 27.40 min Scan# 1762
Delta R.T. -0.02 min
Lab File: BE092261.D
Acq: 10 Aug 2016 18:58

Tgt Ion:276 Resp: 33828

Ion	Ratio	Lower	Upper
276	100		
277	24.1	21.4	32.2
138	26.1	19.4	29.2