Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081016\
Data File : BE092260.D
Acq On : 10 Aug 2016 18:22
Operator : UM/SJ
Sample : PB92482BS
Misc : confirmation run
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB92482BS

Manual Integrations APPROVED
sohil
8/11/2016 8:34:06 AM

Quant Time: Aug 11 01:28:15 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	11703	5.00	ng		0.00
7) Naphthalene-d8	10.97	136	51092	5.00	ng		0.00
12) Acenaphthene-d10	14.83	164	27008	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	63116	5.00	ng		0.00
24) Chrysene-d12	21.73	240	65066	5.00	ng		-0.02
31) Perylene-d12	24.13	264	73411	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.69	112	20372	7.96	ng		-0.01
5) Phenol-d6	7.34	99	26456	7.18	ng		-0.02
8) Nitrobenzene-d5	9.32	82	14572	4.04	ng		-0.04
13) 2,4,6-Tribromophenol	16.32	330	6332	6.06	ng		0.00
14) 2-Fluorobiphenyl	13.46	172	31426	3.76	ng		-0.01
26) Terphenyl-d14	20.19	244	40605	3.69	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.44	88	4236	3.19	ng		91
3) n-Nitrosodimethylamine	3.78	42	7375	3.45	ng	#	94
6) bis(2-Chloroethyl)ether	7.59	93	11122	3.73	ng	#	32
9) Naphthalene	11.01	128	38682	3.38	ng	#	95
10) Hexachlorobutadiene	11.30	225	5698	3.44	ng		98
11) 2-Methylnaphthalene	12.64	142	26428	3.70	ng		92
15) Acenaphthylene	14.54	152	163340	3.50	ng		100
16) Acenaphthene	14.90	154	24260	3.24	ng		97
17) Fluorene	15.88	166	31544	3.48	ng		99
19) Hexachlorobenzene	16.87	284	7957	3.18	ng	#	100
20) Pentachlorophenol	17.24	266	6918	8.85	ng	#	81
21) Phenanthrene	17.61	178	52485	3.21	ng		100
22) Anthracene	17.70	178	48035	3.26	ng		98
23) Fluoranthene	19.61	202	241940	3.73	ng		99
25) Pyrene	19.99	202	261295	3.40	ng		99
27) Benzo(a)anthracene	21.70	228	310667	3.98	ng	#	65
28) Chrysene	21.77	228	200104m	2.77	ng		
29) Bis(2-ethylhexyl)phthalate	21.64	149	37735	3.00	ng	#	95
30) Indeno(1,2,3-cd)pyrene	26.62	276	325743	4.19	ng		100
32) Benzo(b)fluoranthene	23.39	252	73868m	3.83	ng		
33) Benzo(k)fluoranthene	23.44	252	70158	3.61	ng	#	95
34) Benzo(a)pyrene	24.02	252	69930	3.85	ng	#	93
35) Dibenzo(a,h)anthracene	26.65	278	67194	3.97	ng	#	93
36) Benzo(g,h,i)perylene	27.40	276	278402	3.83	ng		95

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

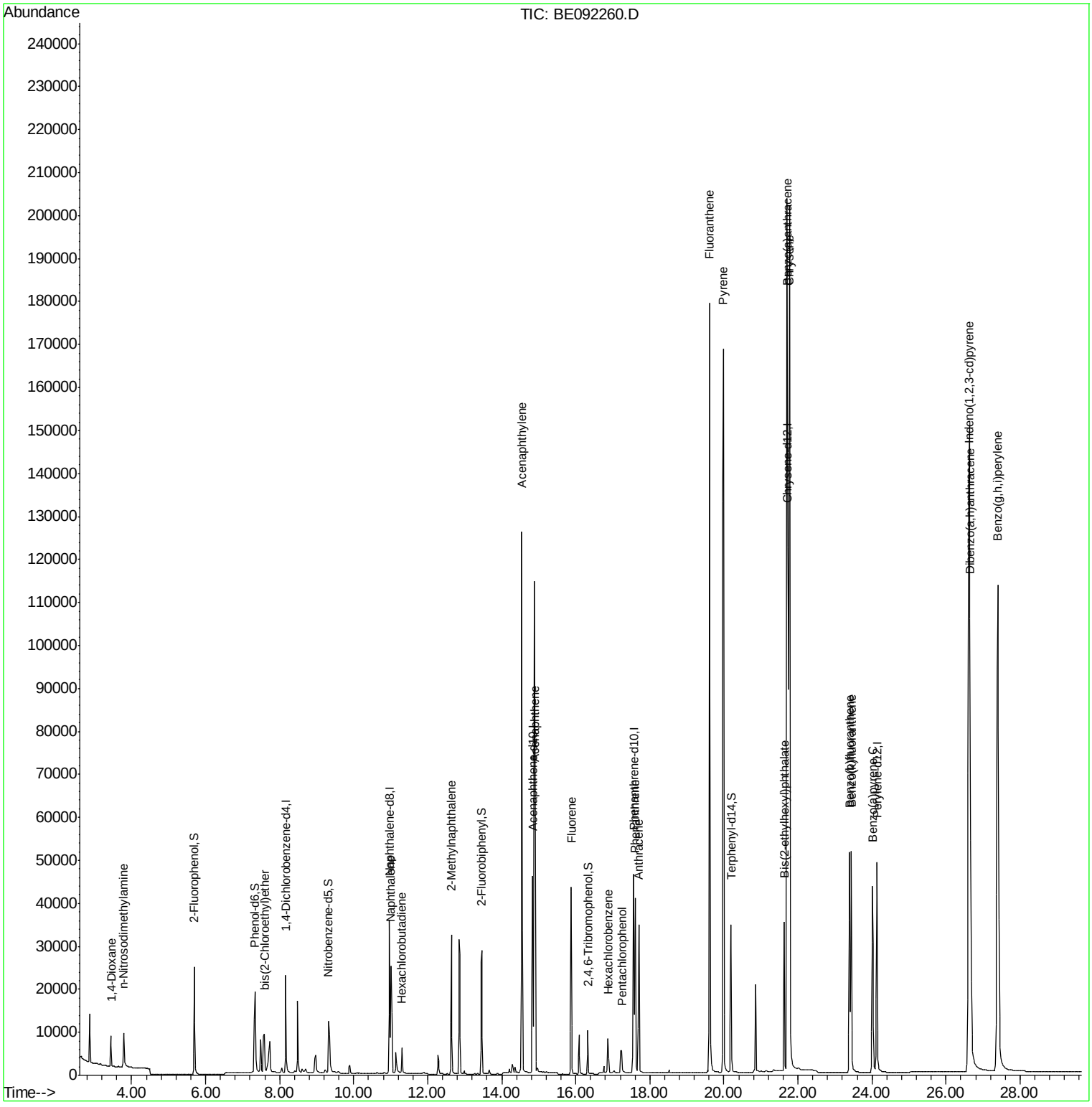
Quantitation Report (QT Reviewed)

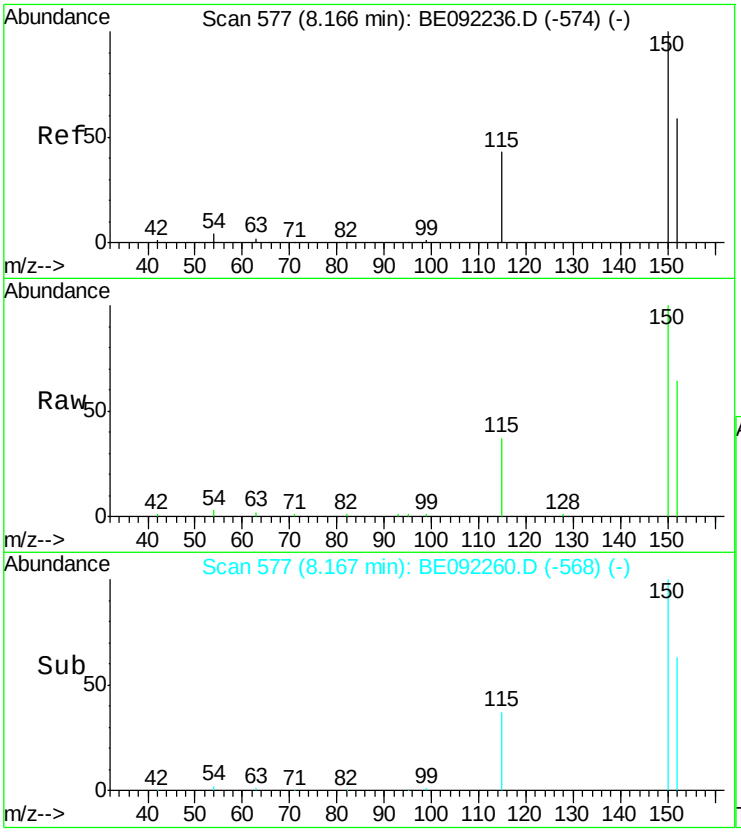
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081016\
Data File : BE092260.D
Acq On : 10 Aug 2016 18:22
Operator : UM/SJ
Sample : PB92482BS
Misc : confirmation run
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 11 01:28:15 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 :
PB92482BS

Manual Integrations APPROVED
sohil
8/11/2016 8:34:06 AM

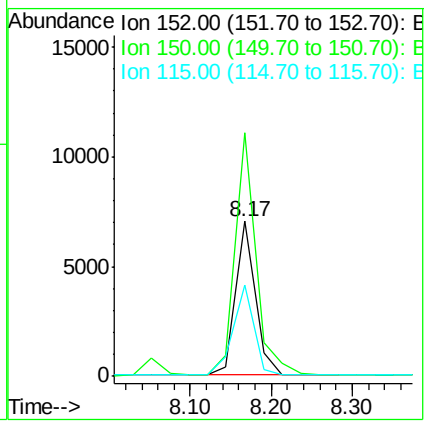




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.17 min Scan# 577
Delta R.T. 0.00 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

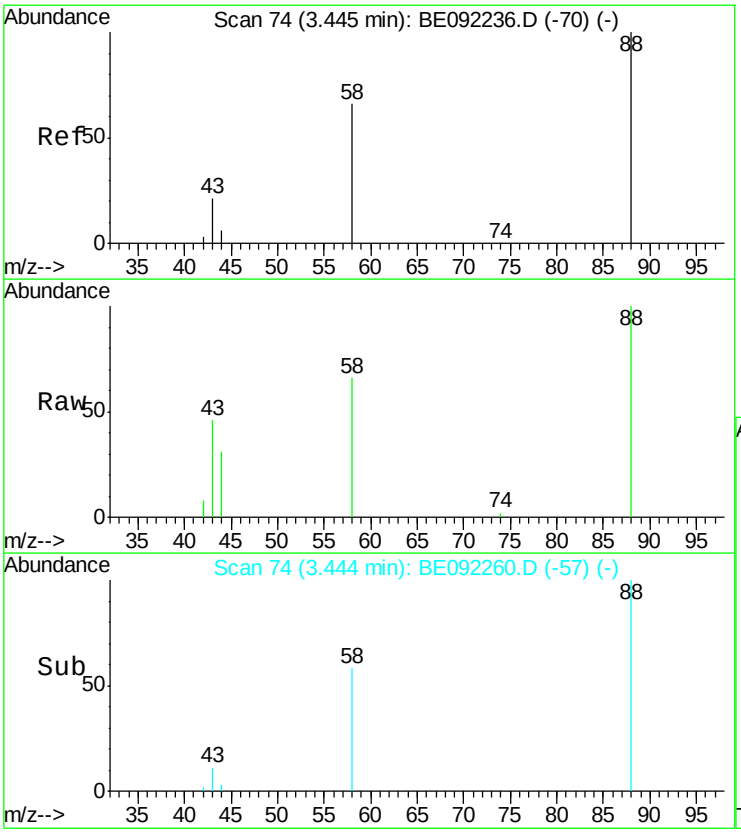
Tgt Ion:152 Resp: 11703

Ion	Ratio	Lower	Upper
152	100		
150	157.3	135.6	203.4
115	58.7	59.4	89.0#



Instrument :
BNA_E
ClientSampleId :
PB92482BS

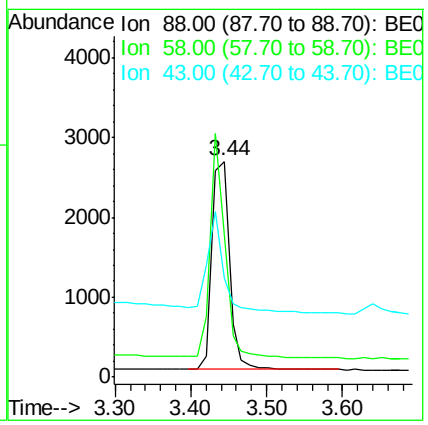
Manual Integrations APPROVED
sohil
8/11/2016 8:34:06 AM

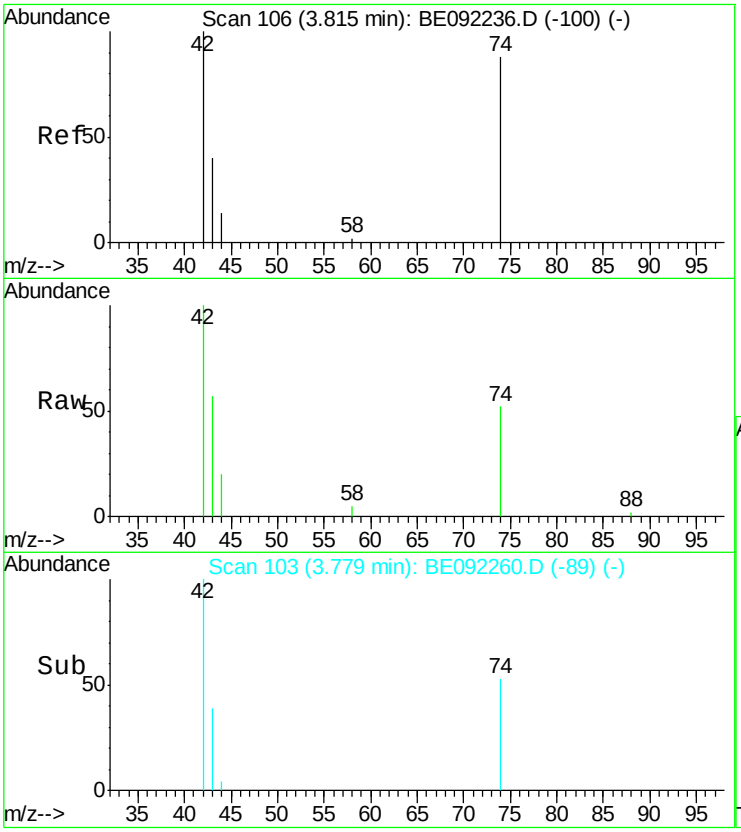


#2
1,4-Dioxane
Concen: 3.19 ng
RT: 3.44 min Scan# 74
Delta R.T. -0.00 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

Tgt Ion: 88 Resp: 4236

Ion	Ratio	Lower	Upper
88	100		
58	89.0	64.4	96.6
43	46.1	33.4	50.2

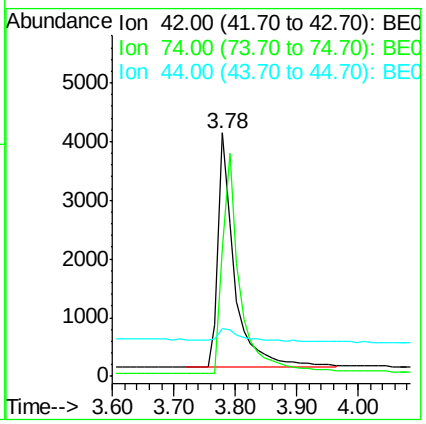




#3
n-Nitrosodimethylamine
Concen: 3.45 ng
RT: 3.78 min Scan# 103
Delta R.T. -0.04 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

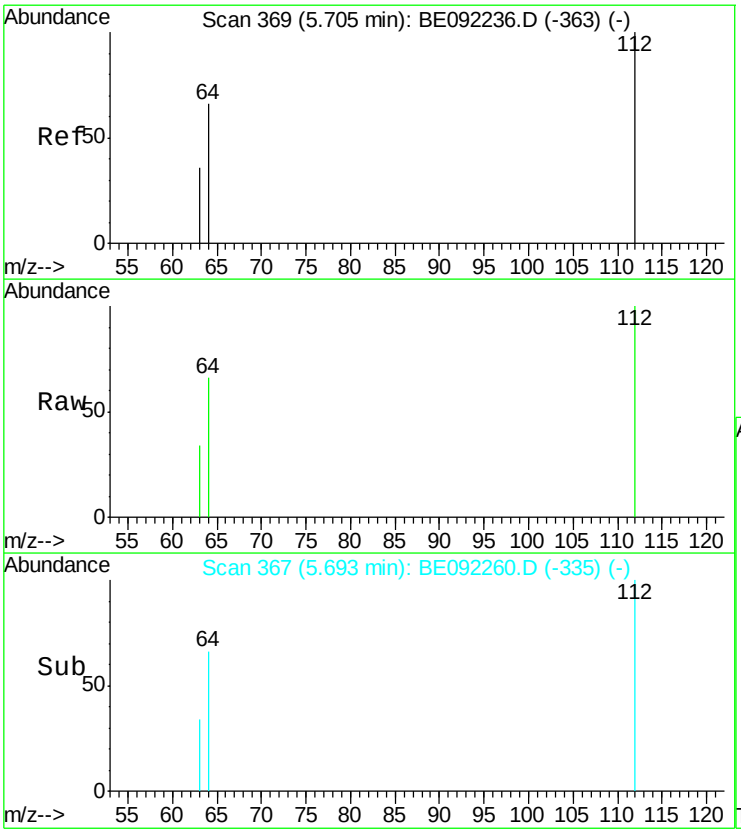
Tgt Ion: 42 Resp: 7375

Ion	Ratio	Lower	Upper
42	100		
74	102.1	77.2	115.8
44	8.3	5.0	7.4#



Instrument :
BNA_E
ClientSampleId :
PB92482BS

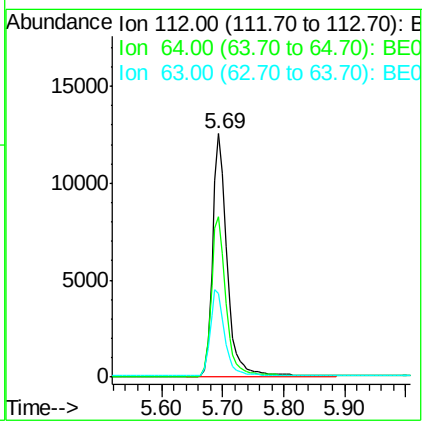
Manual Integrations APPROVED
sohil
8/11/2016 8:34:06 AM

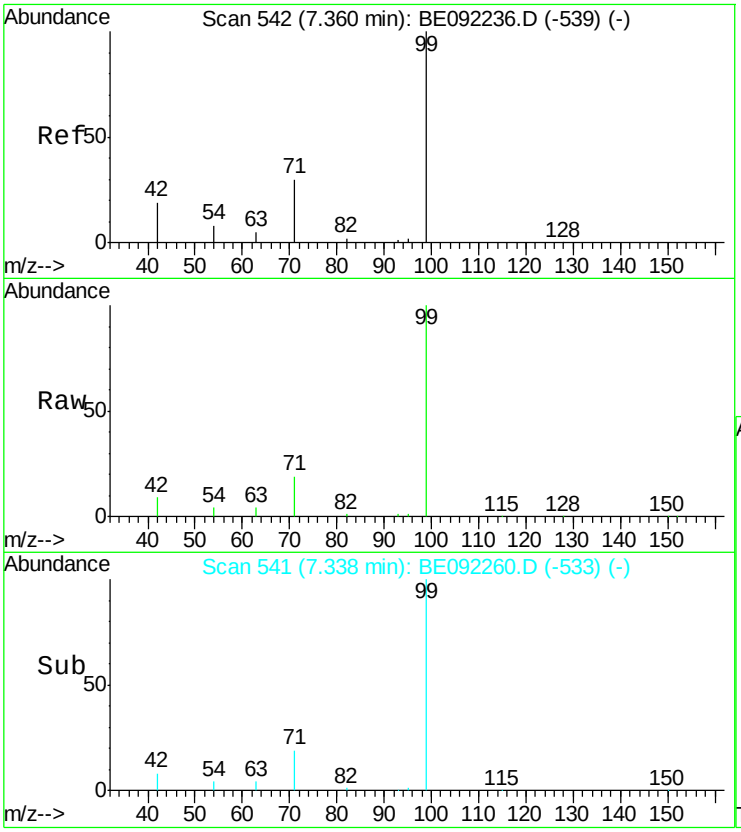


#4
2-Fluorophenol
Concen: 7.96 ng
RT: 5.69 min Scan# 367
Delta R.T. -0.01 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

Tgt Ion:112 Resp: 20372

Ion	Ratio	Lower	Upper
112	100		
64	67.3	53.2	79.8
63	36.7	27.4	41.2

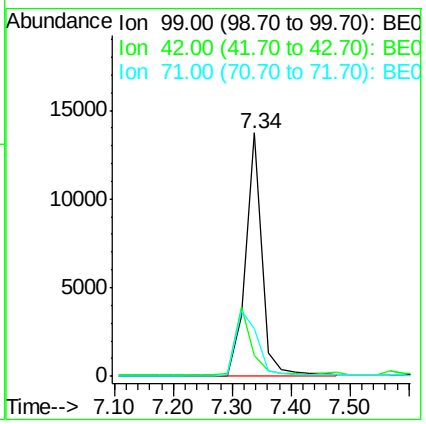




#5
Phenol-d6
Concen: 7.18 ng
RT: 7.34 min Scan# 541
Delta R.T. -0.02 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

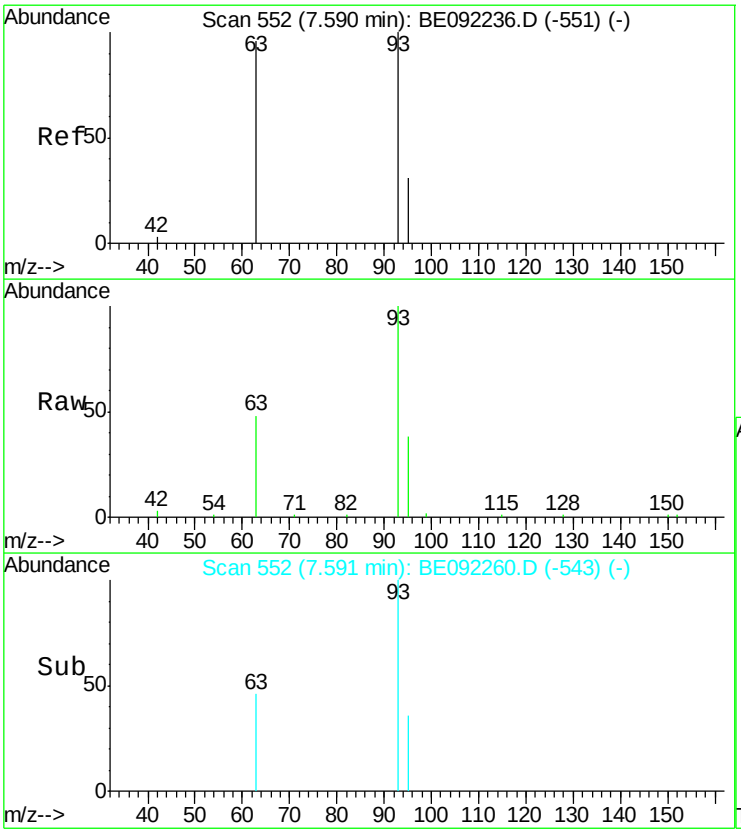
Tgt Ion: 99 Resp: 26456

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



Instrument :
BNA_E
ClientSampleId :
PB92482BS

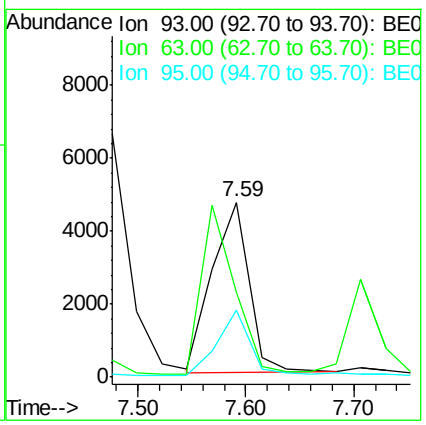
Manual Integrations APPROVED
sohil
8/11/2016 8:34:06 AM

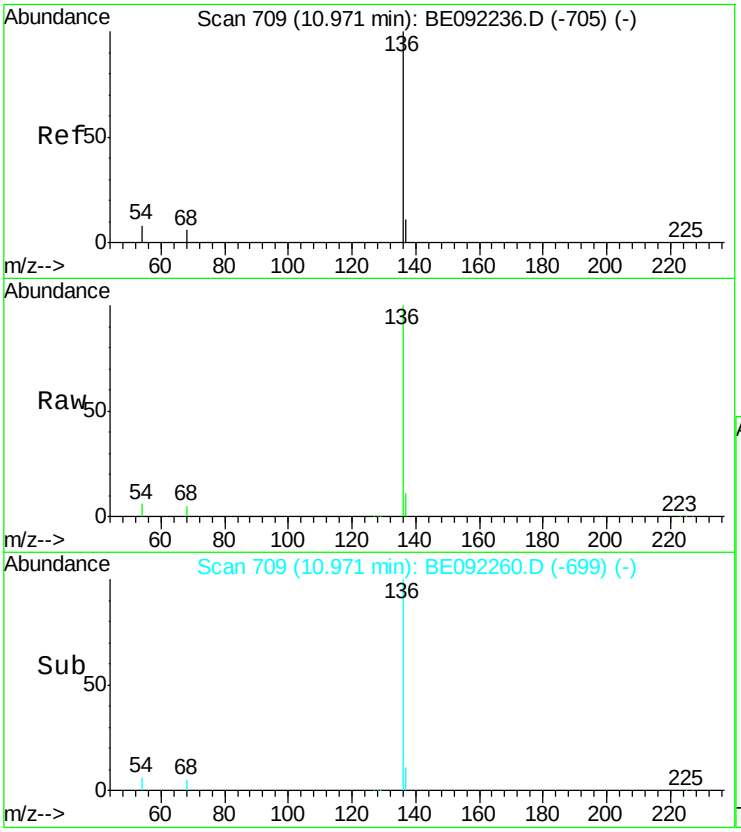


#6
bis(2-Chloroethyl)ether
Concen: 3.73 ng
RT: 7.59 min Scan# 552
Delta R.T. 0.00 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

Tgt Ion: 93 Resp: 11122

Ion	Ratio	Lower	Upper
93	100		
63	0.0	68.5	102.7#
95	32.7	27.2	40.8

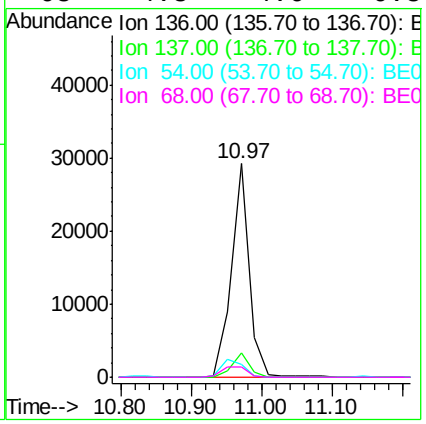




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.97 min Scan# 709
Delta R.T. -0.00 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

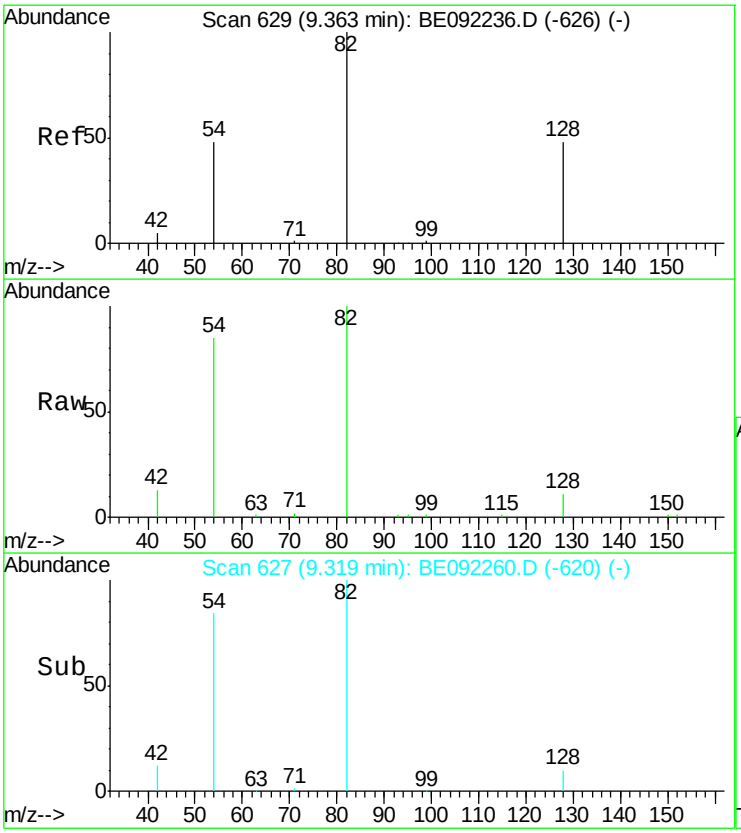
Tgt Ion:136 Resp: 51092

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	6.3	6.2	9.4
68	4.8	4.6	6.8



Instrument :
BNA_E
ClientSampleId :
PB92482BS

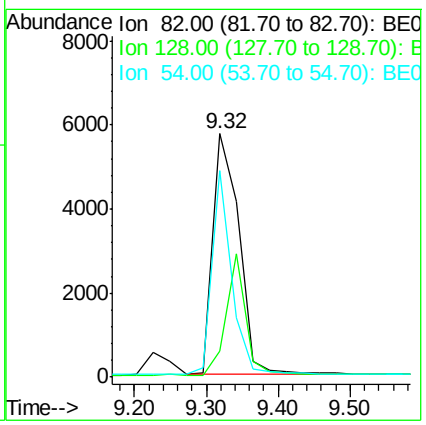
Manual Integrations APPROVED
sohil
8/11/2016 8:34:06 AM

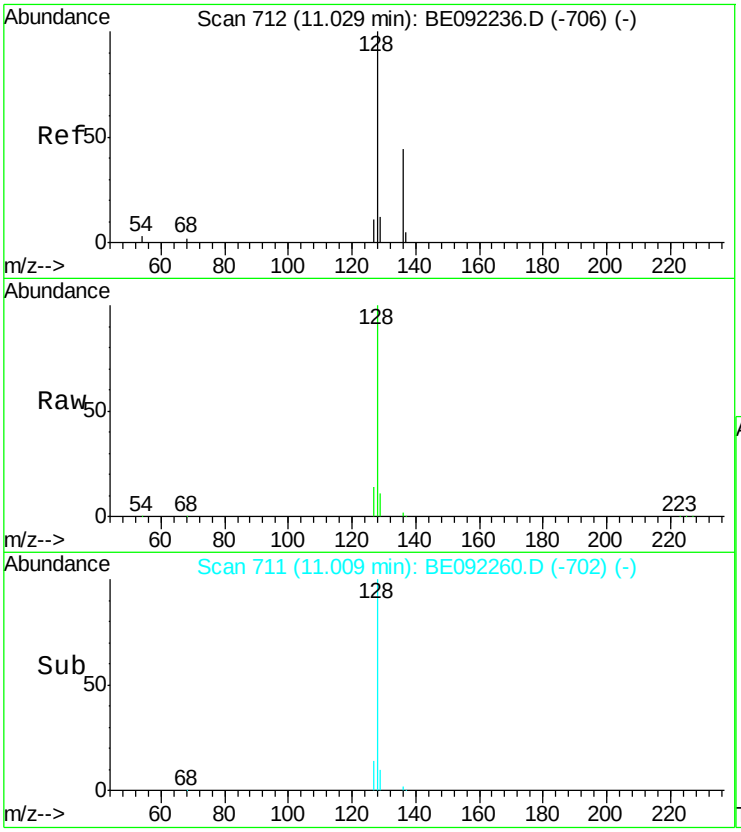


#8
Nitrobenzene-d5
Concen: 4.04 ng
RT: 9.32 min Scan# 627
Delta R.T. -0.04 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

Tgt Ion: 82 Resp: 14572

Ion	Ratio	Lower	Upper
82	100		
128	10.9	45.0	67.4#
54	84.6	45.4	68.2#

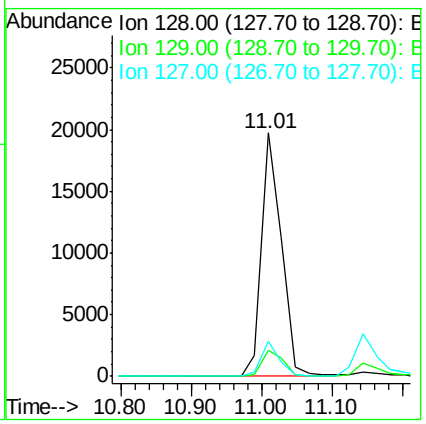




#9
Naphthalene
Concen: 3.38 ng
RT: 11.01 min Scan# 711
Delta R.T. -0.02 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

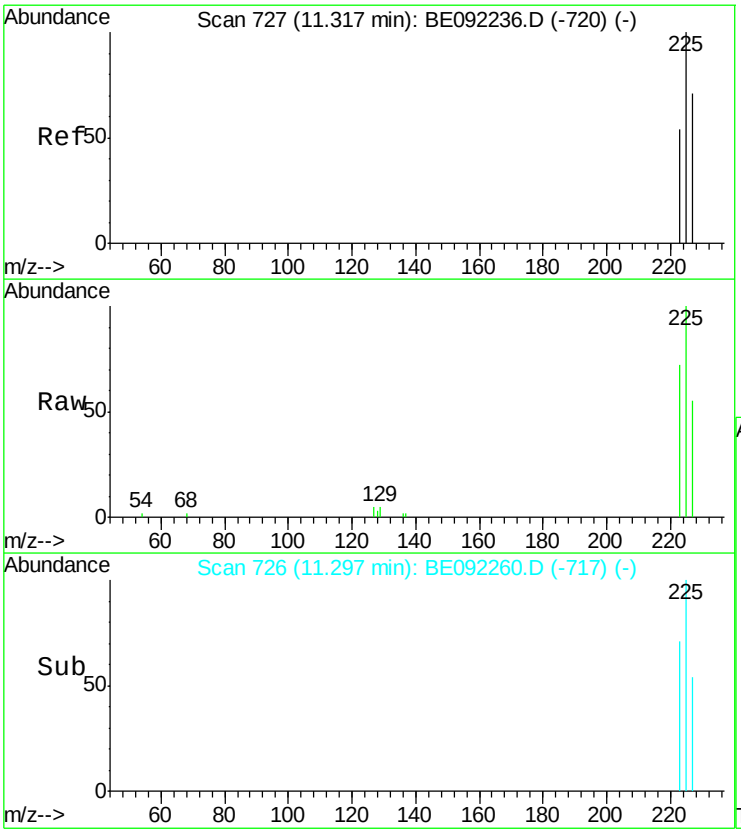
Tgt Ion:128 Resp: 38682

Ion	Ratio	Lower	Upper
128	100		
129	10.5	11.5	17.3#
127	14.2	11.0	16.6



Instrument :
BNA_E
ClientSampleId :
PB92482BS

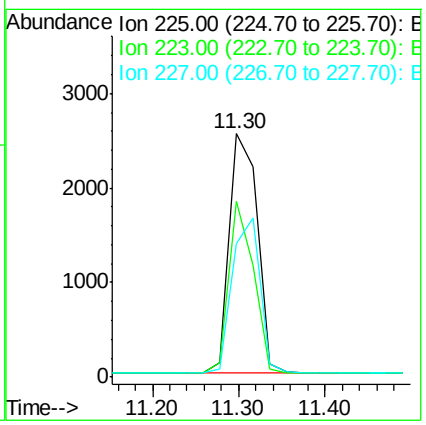
Manual Integrations APPROVED
sohil
8/11/2016 8:34:06 AM

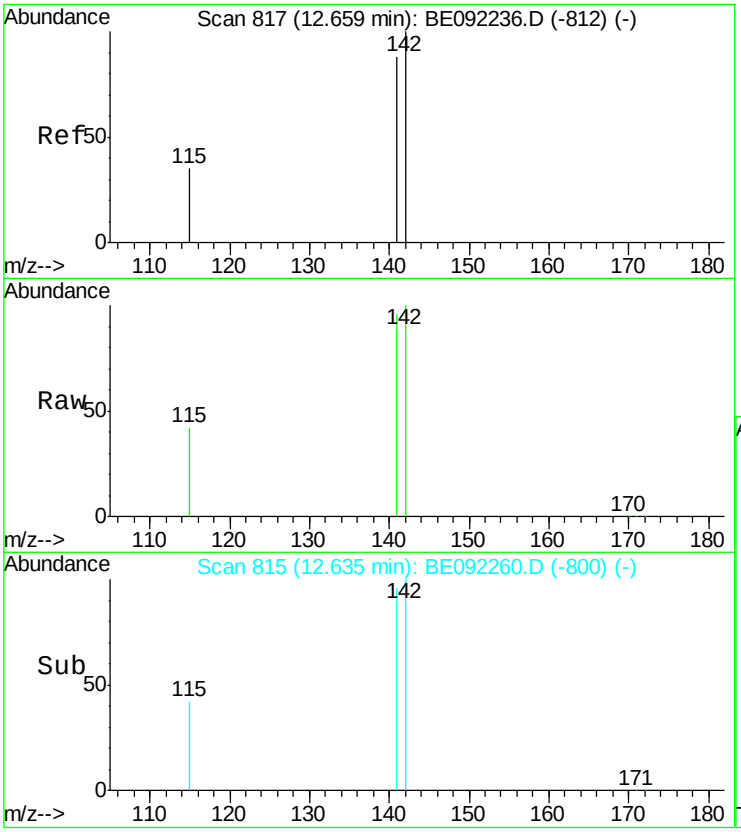


#10
Hexachlorobutadiene
Concen: 3.44 ng
RT: 11.30 min Scan# 726
Delta R.T. -0.02 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

Tgt Ion:225 Resp: 5698

Ion	Ratio	Lower	Upper
225	100		
223	63.0	52.2	78.4
227	63.9	51.0	76.6

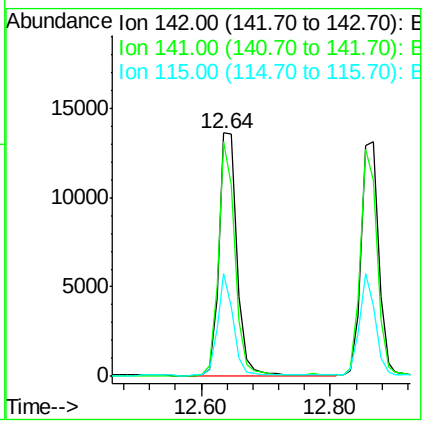




#11
2-Methylnaphthalene
Concen: 3.70 ng
RT: 12.64 min Scan# 815
Delta R.T. -0.02 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

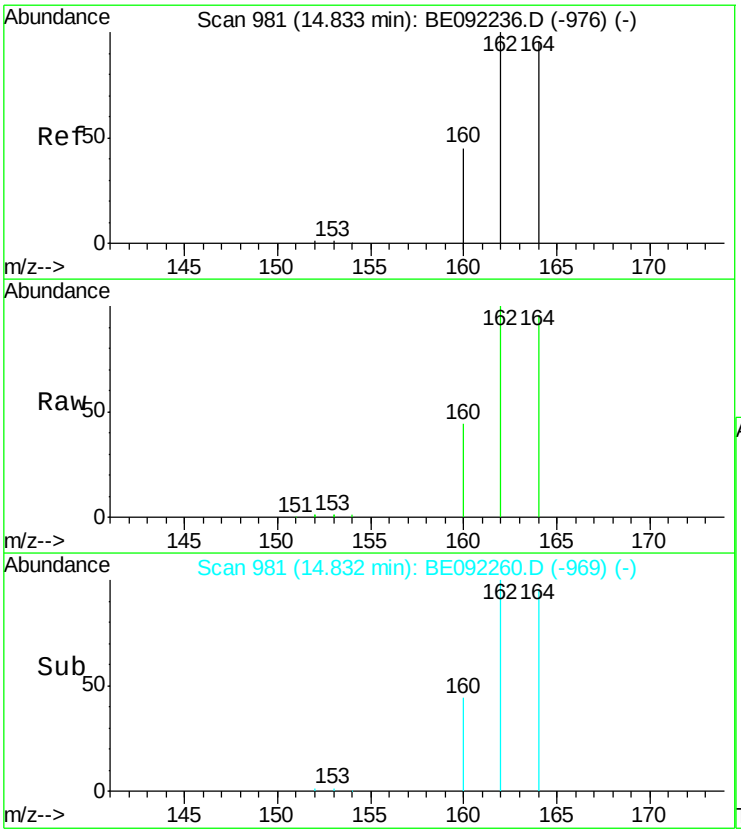
Tgt Ion:142 Resp: 26428

Ion	Ratio	Lower	Upper
142	100		
141	96.2	70.6	105.8
115	42.2	31.0	46.4



Instrument :
BNA_E
ClientSampleId :
PB92482BS

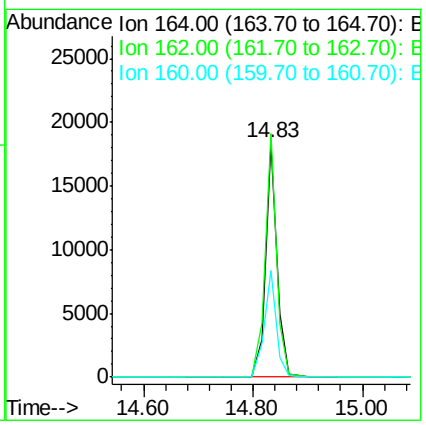
Manual Integrations APPROVED
sohil
8/11/2016 8:34:06 AM

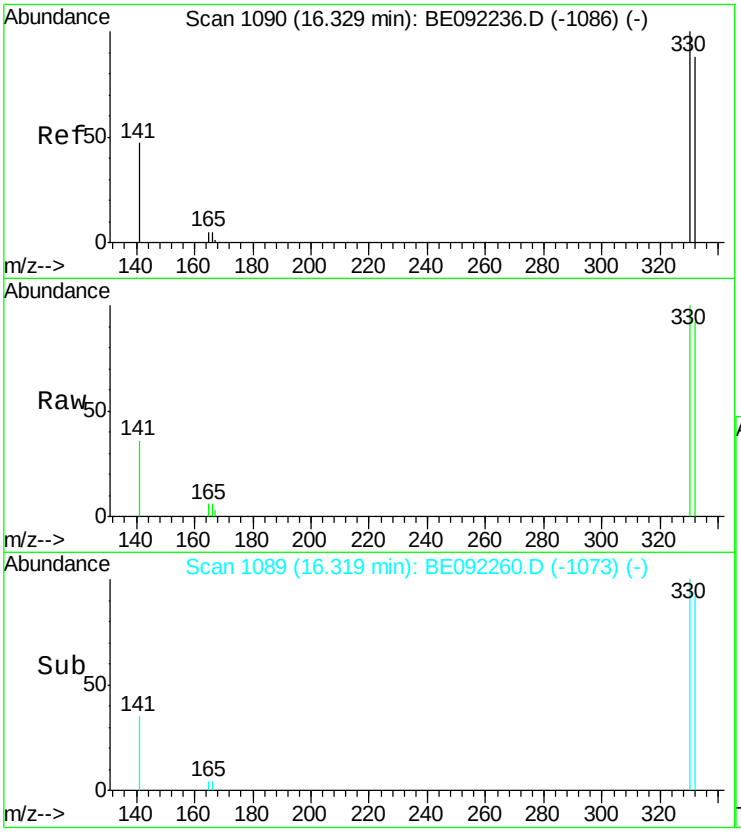


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.83 min Scan# 981
Delta R.T. -0.00 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

Tgt Ion:164 Resp: 27008

Ion	Ratio	Lower	Upper
164	100		
162	104.1	83.3	124.9
160	45.6	38.0	57.0

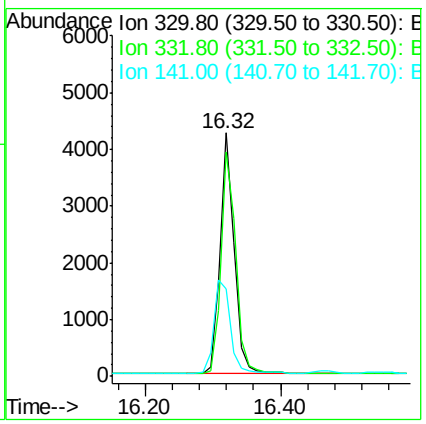




#13
2,4,6-Tribromophenol
Concen: 6.06 ng
RT: 16.32 min Scan# 1089
Delta R.T. -0.01 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

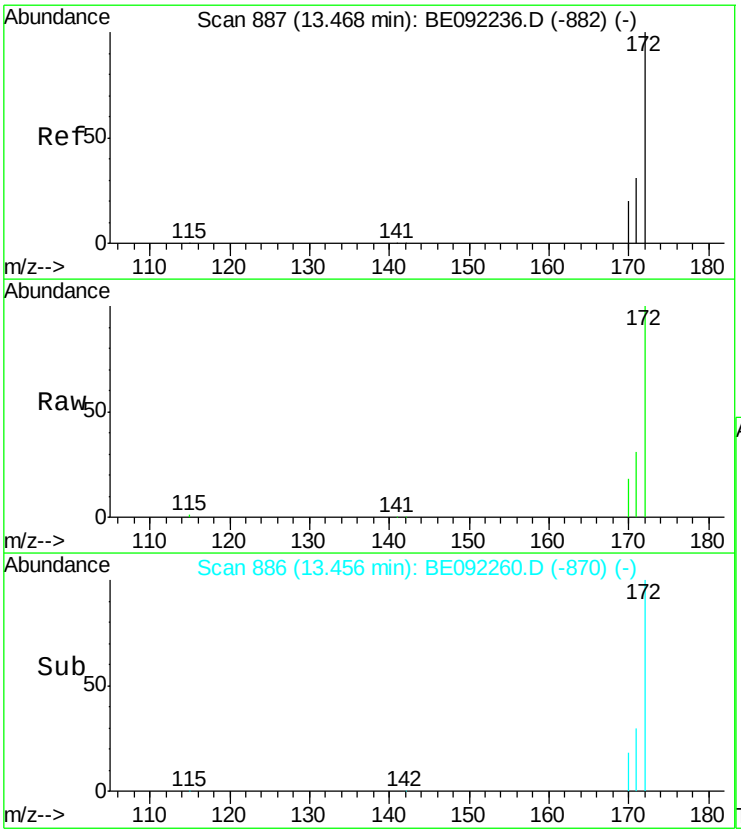
Tgt Ion:330 Resp: 6332

Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.4	113.0
141	44.5	37.7	56.5



Instrument :
BNA_E
ClientSampleId :
PB92482BS

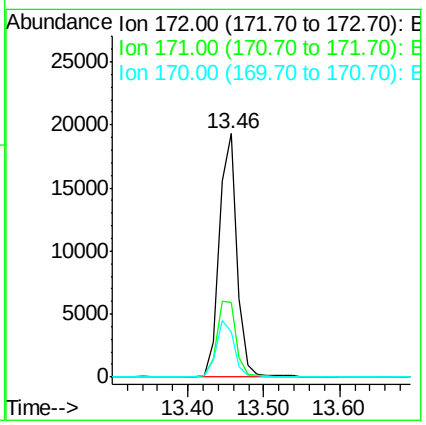
Manual Integrations APPROVED
sohil
8/11/2016 8:34:06 AM

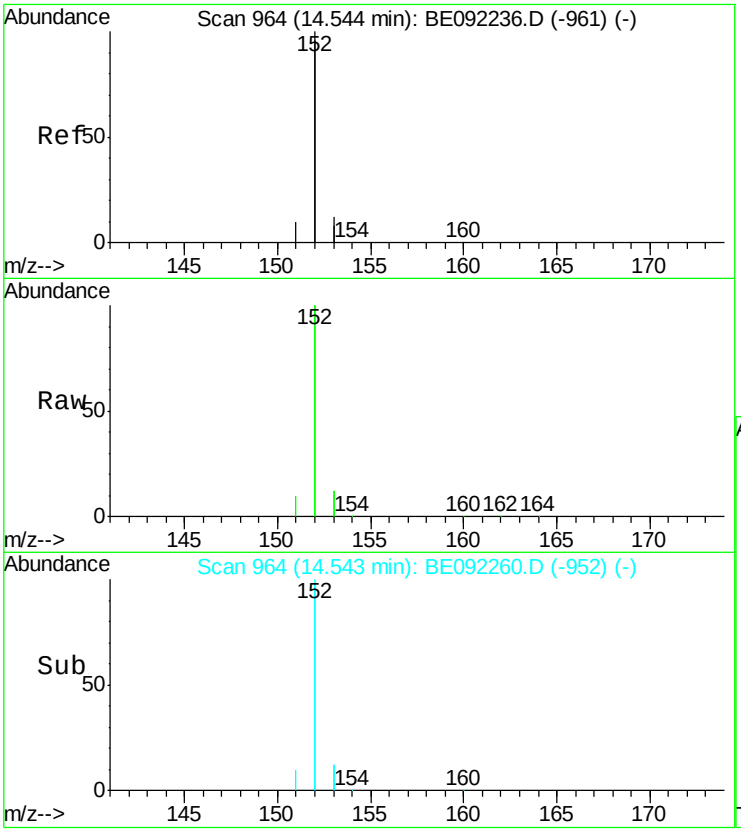


#14
2-Fluorobiphenyl
Concen: 3.76 ng
RT: 13.46 min Scan# 886
Delta R.T. -0.01 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

Tgt Ion:172 Resp: 31426

Ion	Ratio	Lower	Upper
172	100		
171	30.6	26.8	40.2
170	18.5	17.8	26.6

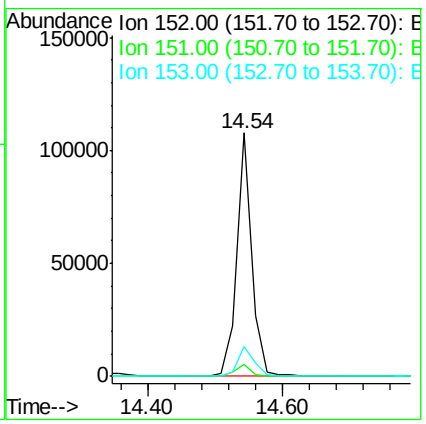




#15
Acenaphthylene
Concen: 3.50 ng
RT: 14.54 min Scan# 964
Delta R.T. -0.00 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

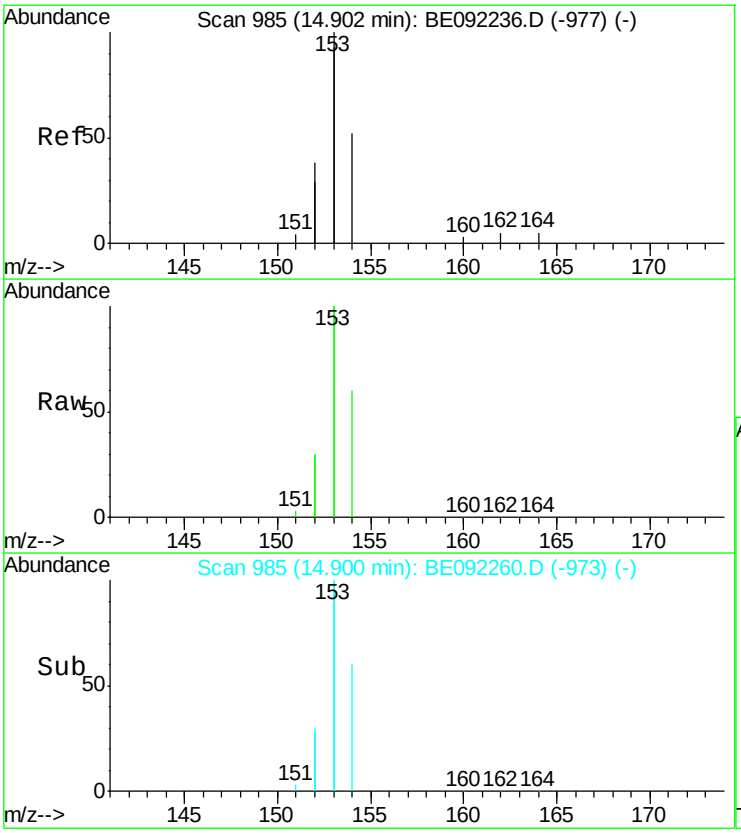
Tgt Ion:152 Resp: 163340

Ion	Ratio	Lower	Upper
152	100		
151	5.0	3.8	5.8
153	12.8	10.2	15.2



Instrument :
BNA_E
ClientSampleId :
PB92482BS

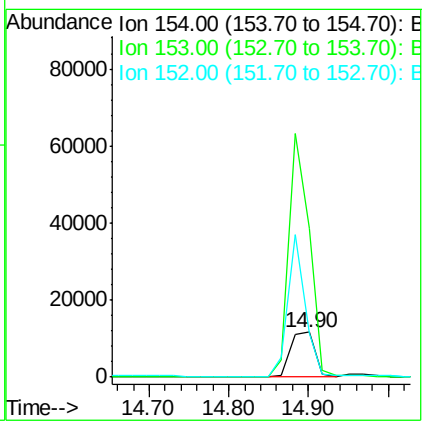
Manual Integrations APPROVED
sohil
8/11/2016 8:34:06 AM

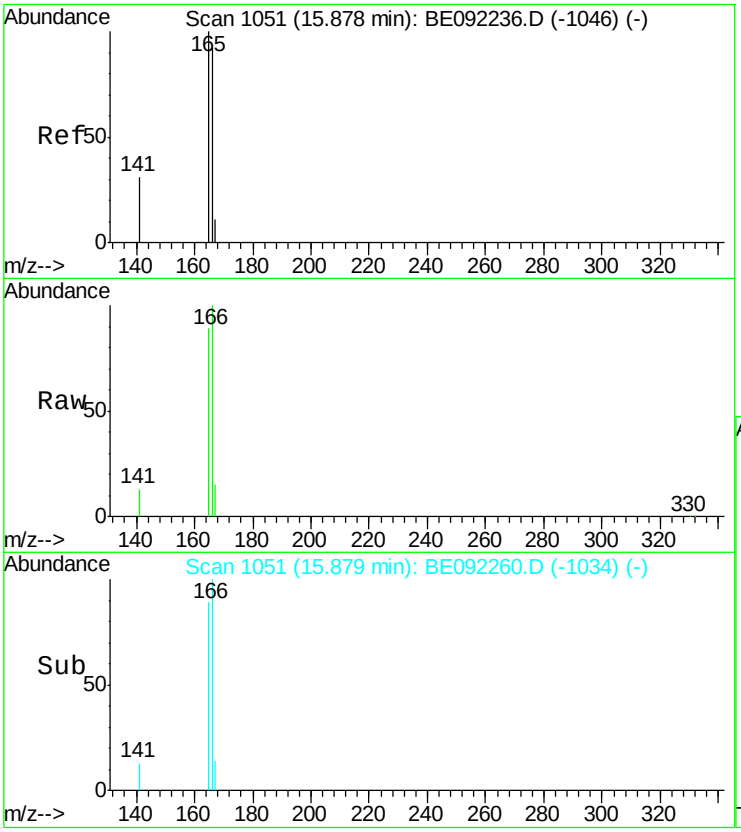


#16
Acenaphthene
Concen: 3.24 ng
RT: 14.90 min Scan# 985
Delta R.T. -0.00 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

Tgt Ion:154 Resp: 24260

Ion	Ratio	Lower	Upper
154	100		
153	454.4	355.0	532.4
152	226.0	179.7	269.5





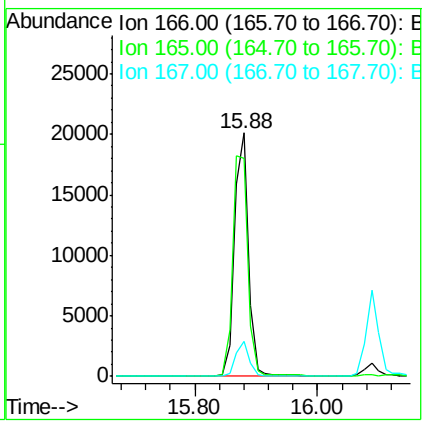
#17
Fluorene
Concen: 3.48 ng
RT: 15.88 min Scan# 1051
Delta R.T. 0.00 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

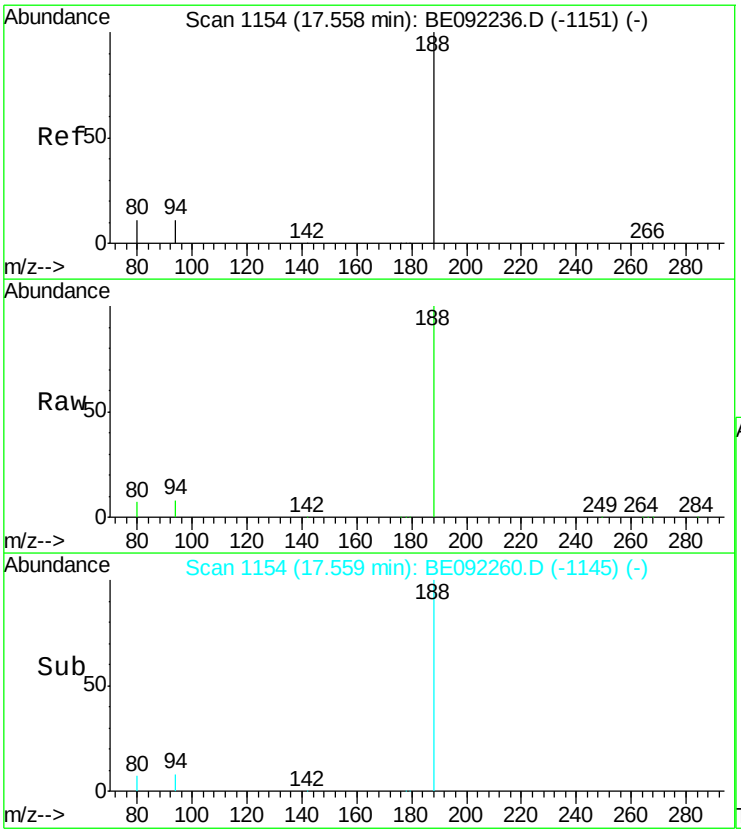
Tgt Ion:166 Resp: 31544

Ion	Ratio	Lower	Upper
166	100		
165	99.3	80.1	120.1
167	13.5	10.6	16.0

Instrument :
BNA_E
ClientSampleId :
PB92482BS

Manual Integrations APPROVED
sohil
8/11/2016 8:34:06 AM

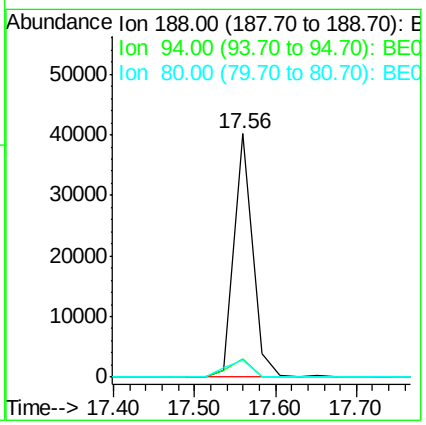


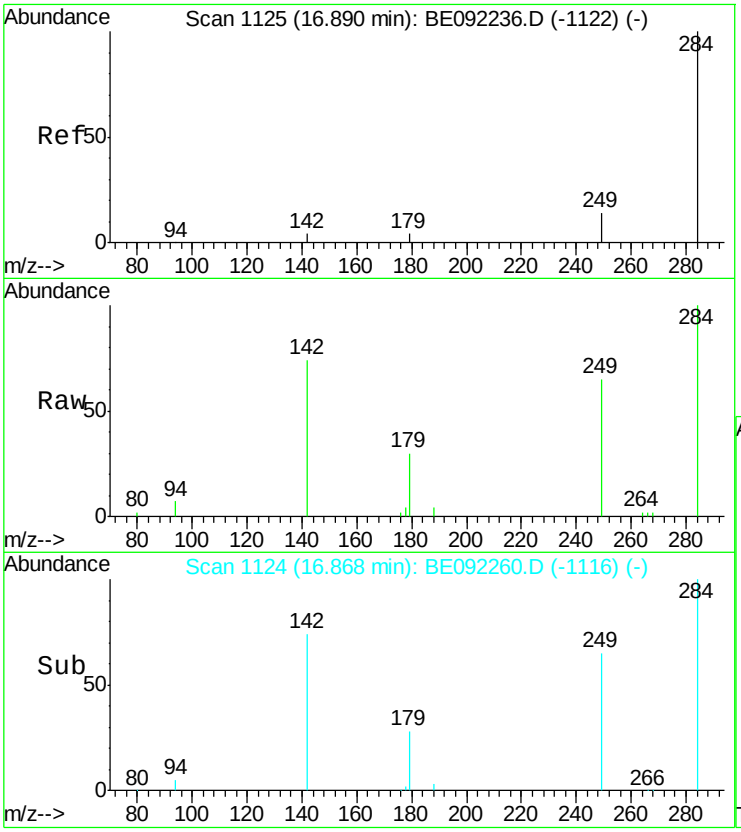


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

Tgt Ion:188 Resp: 63116

Ion	Ratio	Lower	Upper
188	100		
94	7.7	9.2	13.8#
80	7.0	9.1	13.7#





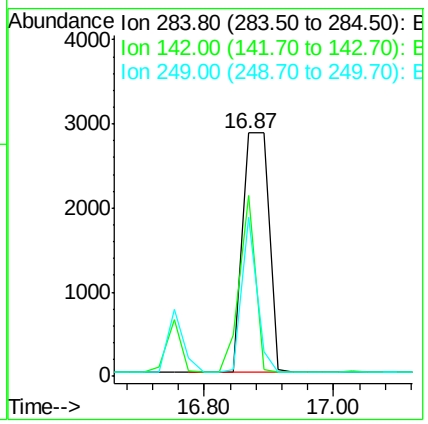
#19
Hexachlorobenzene
Concen: 3.18 ng
RT: 16.87 min Scan# 1124
Delta R.T. -0.02 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

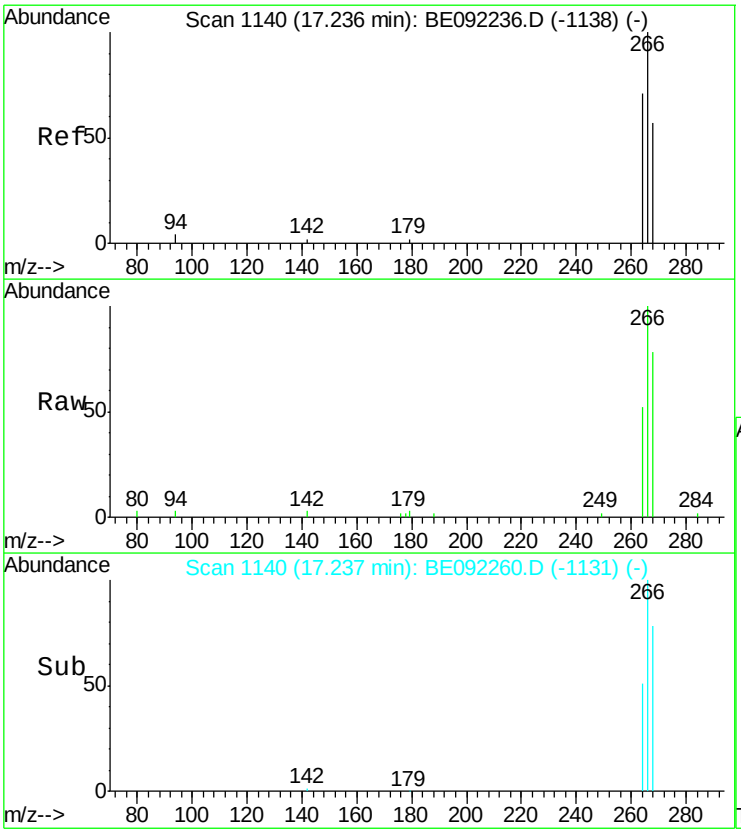
Tgt Ion:284 Resp: 7957

Ion	Ratio	Lower	Upper
284	100		
142	44.8	0.0	0.0#
249	36.9	0.0	0.0#

Instrument :
BNA_E
ClientSampleId :
PB92482BS

Manual Integrations APPROVED
sohil
8/11/2016 8:34:06 AM

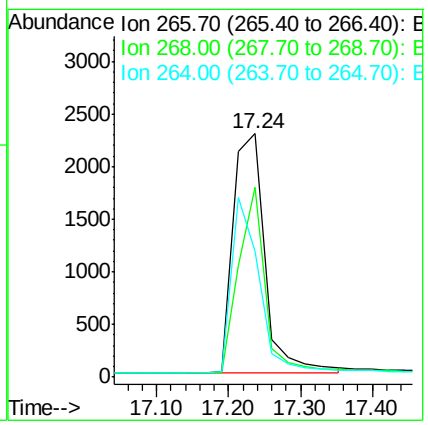


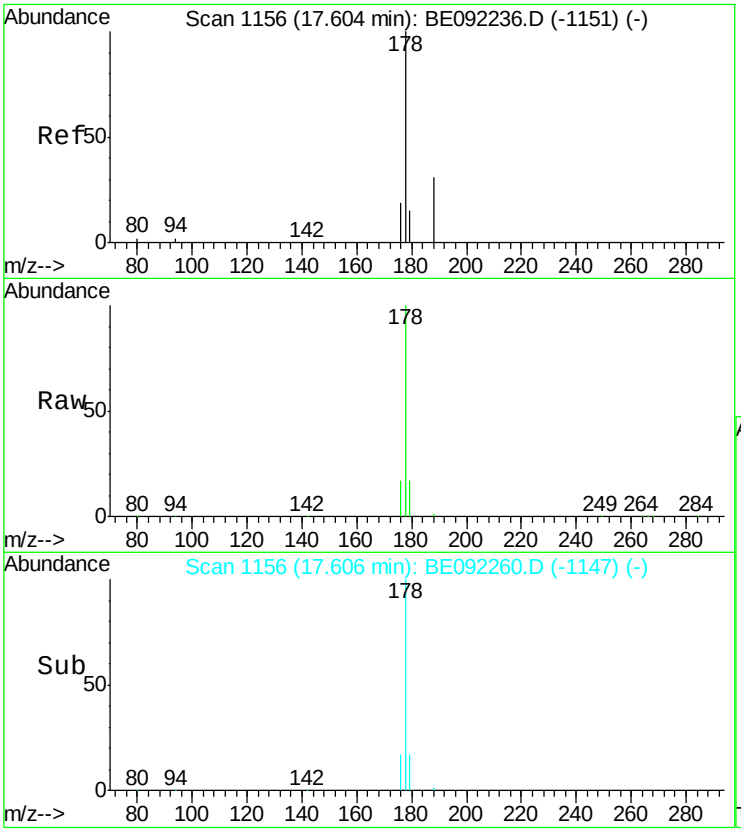


#20
Pentachlorophenol
Concen: 8.85 ng
RT: 17.24 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

Tgt Ion:266 Resp: 6918

Ion	Ratio	Lower	Upper
266	100		
268	78.0	62.3	93.5
264	51.7	67.4	101.0#

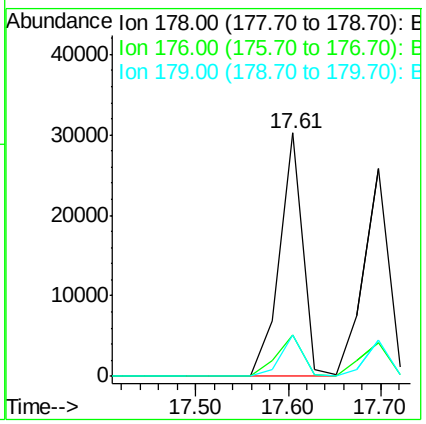




#21
Phenanthrene
Concen: 3.21 ng
RT: 17.61 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

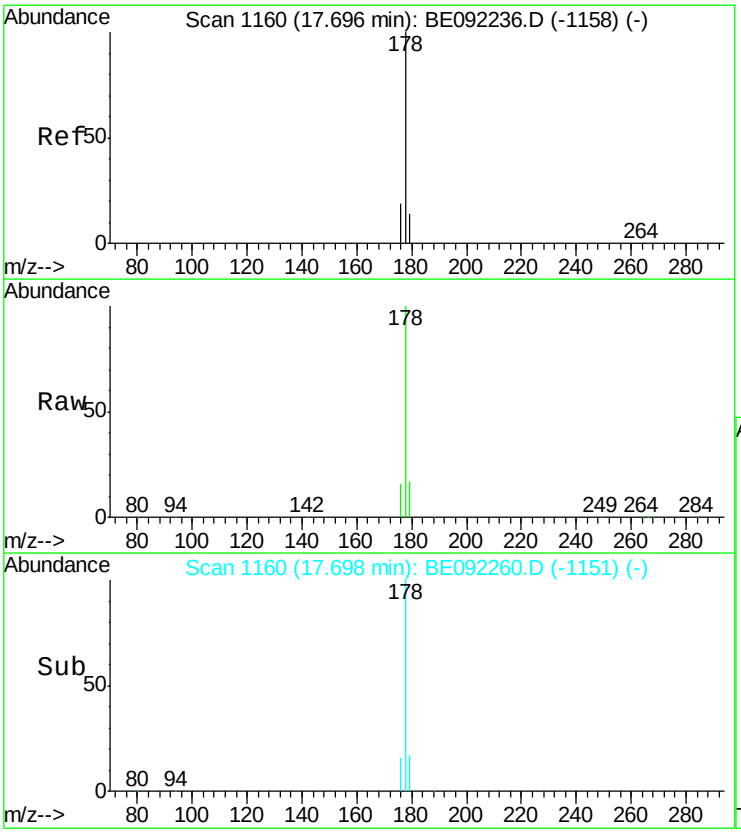
Tgt Ion:178 Resp: 52485

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	16.1	12.9	19.3



Instrument :
BNA_E
ClientSampleId :
PB92482BS

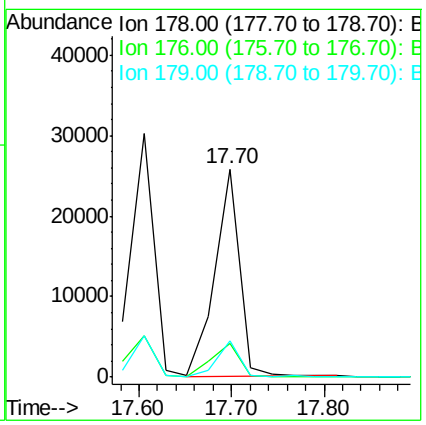
Manual Integrations APPROVED
sohil
8/11/2016 8:34:06 AM

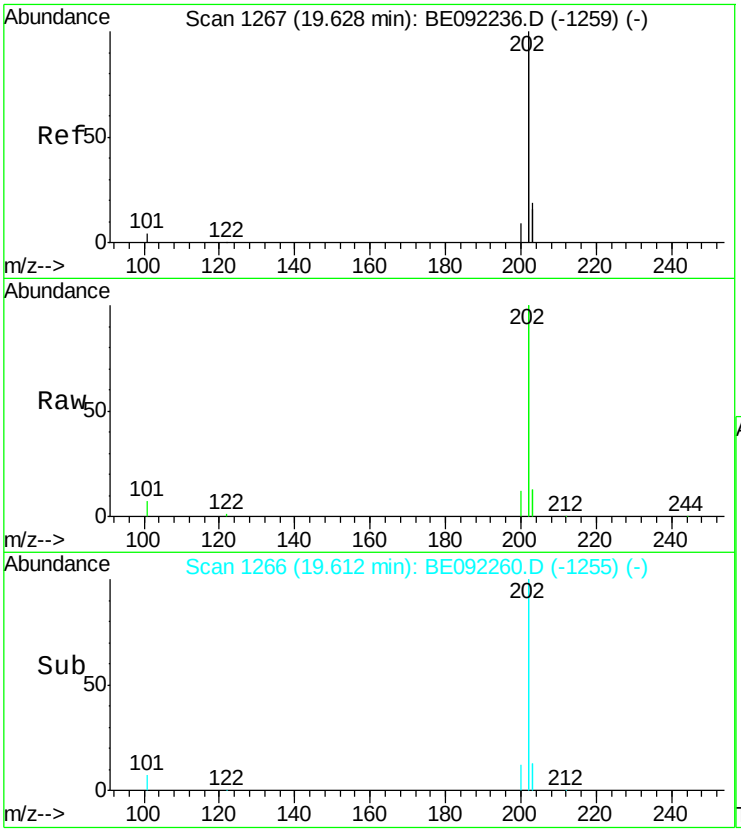


#22
Anthracene
Concen: 3.26 ng
RT: 17.70 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

Tgt Ion:178 Resp: 48035

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.4
179	16.1	12.0	18.0

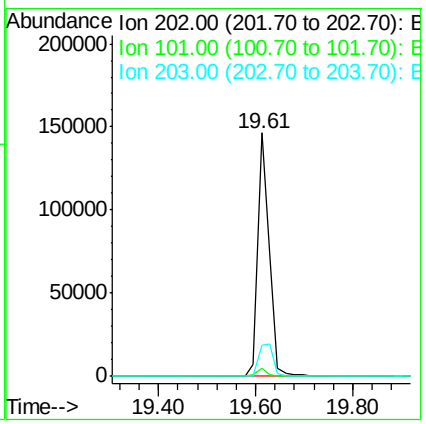




#23
Fluoranthene
Concen: 3.73 ng
RT: 19.61 min Scan# 1266
Delta R.T. -0.02 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

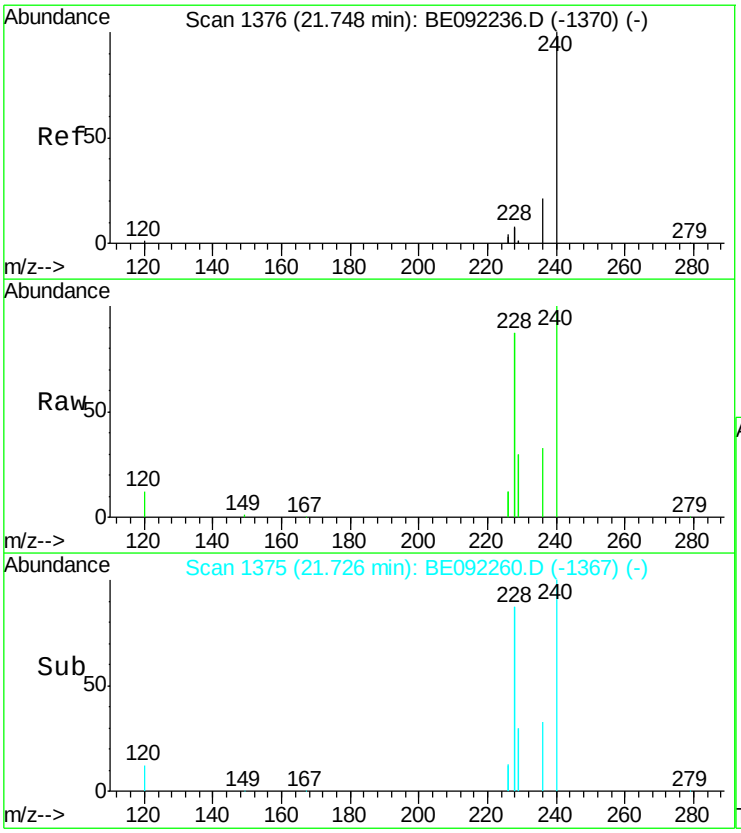
Tgt Ion:202 Resp: 241940

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



Instrument :
BNA_E
ClientSampleId :
PB92482BS

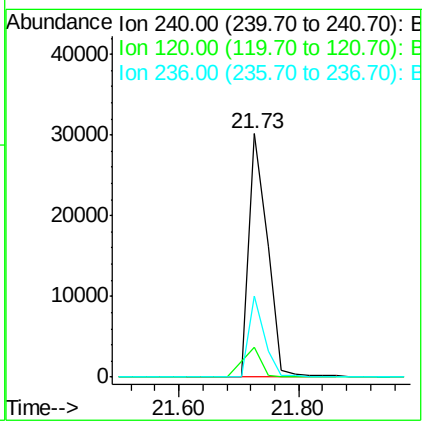
Manual Integrations APPROVED
sohil
8/11/2016 8:34:06 AM

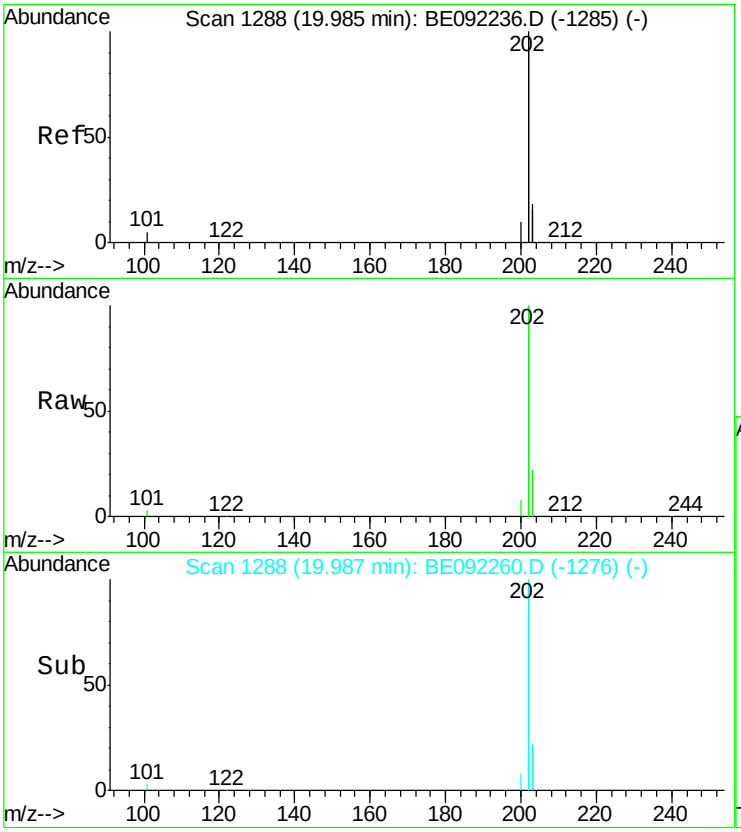


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.73 min Scan# 1375
Delta R.T. -0.02 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

Tgt Ion:240 Resp: 65066

Ion	Ratio	Lower	Upper
240	100		
120	12.3	1.2	1.8#
236	33.5	17.1	25.7#





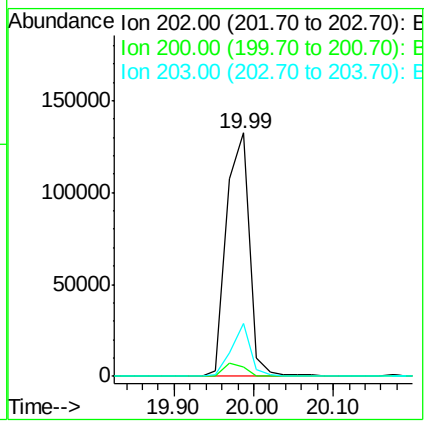
#25
Pyrene
Concen: 3.40 ng
RT: 19.99 min Scan# 1288
Delta R.T. 0.00 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

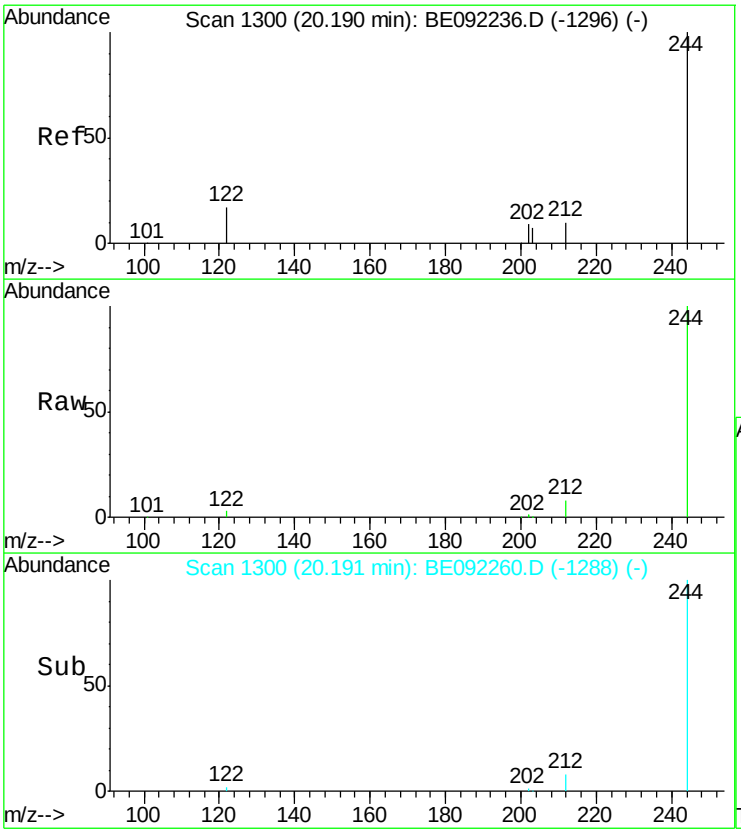
Tgt Ion:202 Resp: 261295

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	17.9	14.0	21.0

Instrument :
BNA_E
ClientSampleId :
PB92482BS

Manual Integrations APPROVED
sohil
8/11/2016 8:34:06 AM

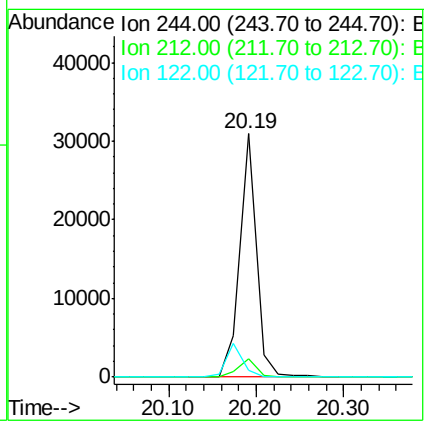


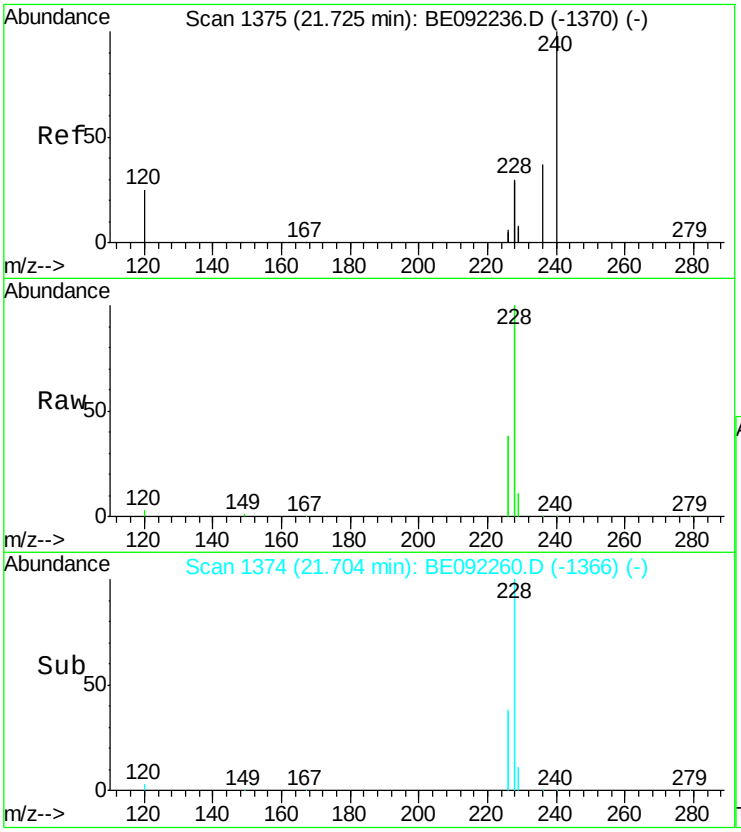


#26
Terphenyl-d14
Concen: 3.69 ng
RT: 20.19 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

Tgt Ion:244 Resp: 40605

Ion	Ratio	Lower	Upper
244	100		
212	7.8	10.2	15.2#
122	2.7	15.9	23.9#





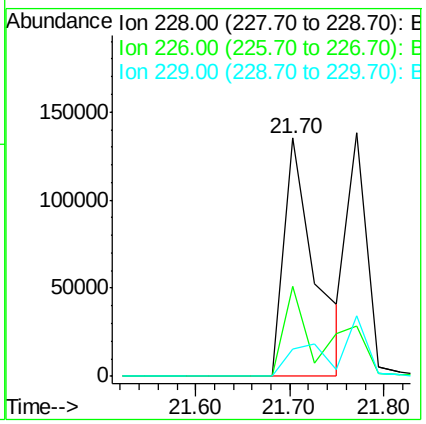
#27
Benzo(a)anthracene
Concen: 3.98 ng
RT: 21.70 min Scan# 1374
Delta R.T. -0.02 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

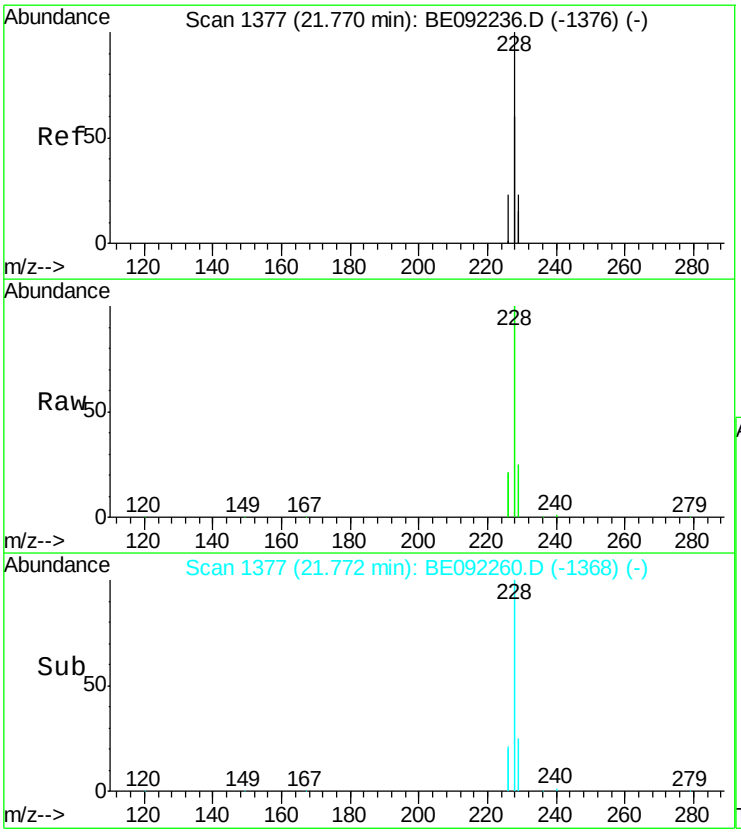
Tgt Ion:228 Resp: 310667

Ion	Ratio	Lower	Upper
228	100		
226	37.8	15.9	23.9#
229	11.4	22.4	33.6#

Instrument :
BNA_E
ClientSampleId :
PB92482BS

Manual Integrations APPROVED
sohil
8/11/2016 8:34:06 AM

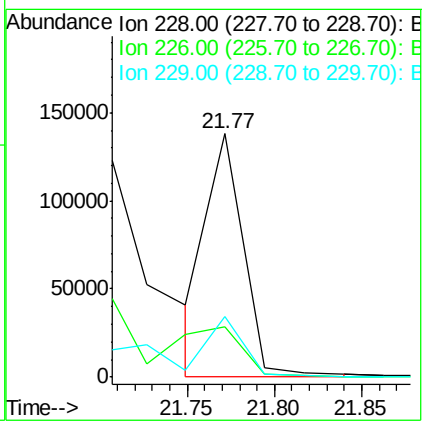


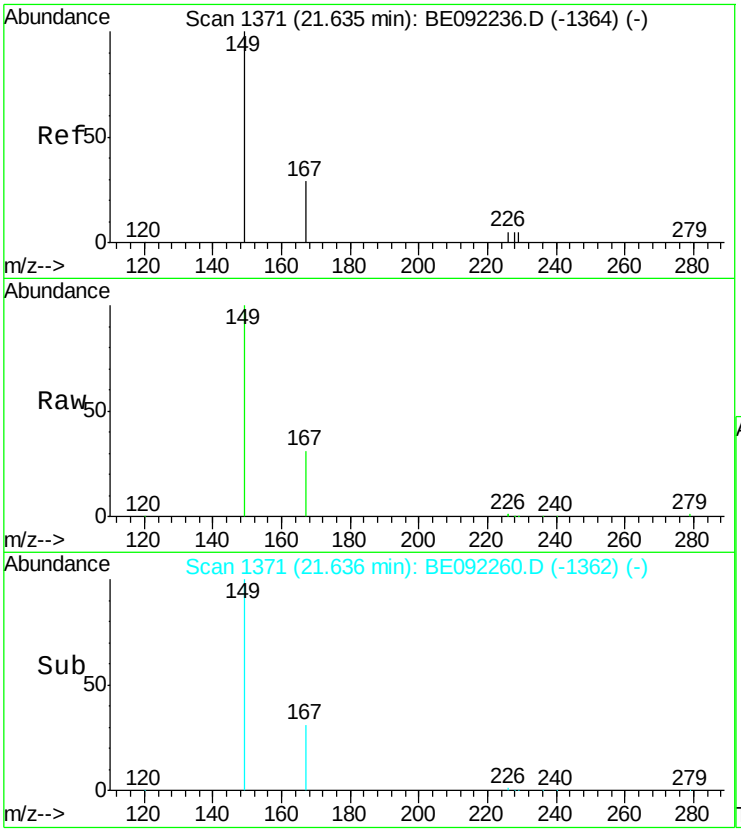


#28
Chrysene
Concen: 2.77 ng m
RT: 21.77 min Scan# 1377
Delta R.T. 0.00 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

Tgt Ion:228 Resp: 200104

Ion	Ratio	Lower	Upper
228	100		
226	20.5	18.3	27.5
229	24.9	18.6	27.8





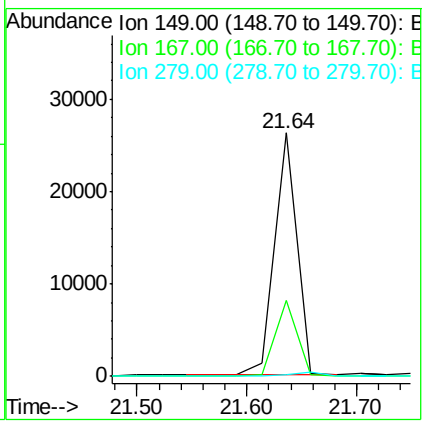
#29
Bis(2-ethylhexyl)phthalate
Concen: 3.00 ng
RT: 21.64 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

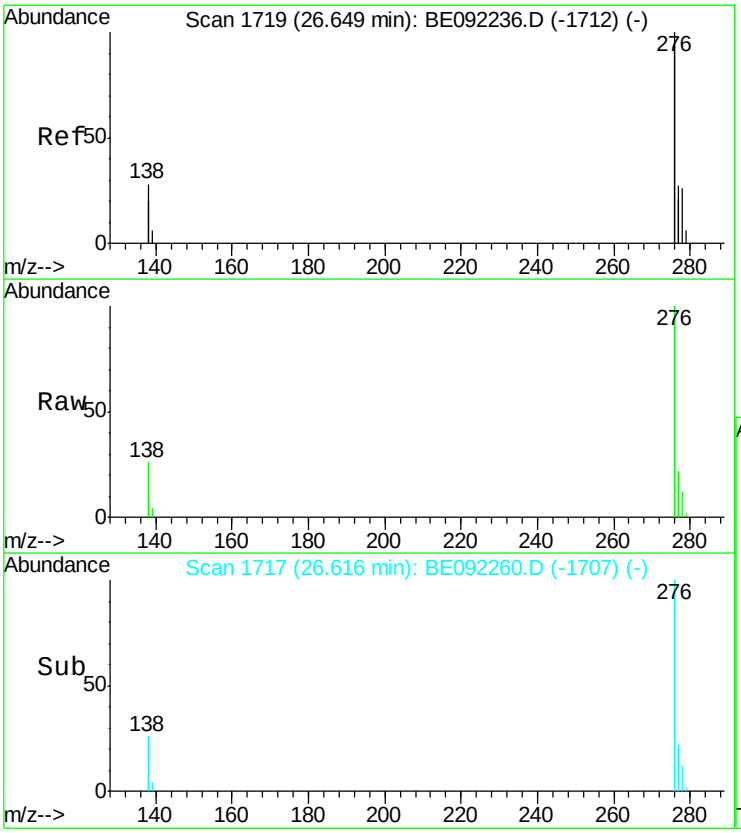
Instrument :
BNA_E
ClientSampleId :
PB92482BS

Manual Integrations APPROVED
sohil
8/11/2016 8:34:06 AM

Tgt Ion:149 Resp: 37735

Ion	Ratio	Lower	Upper
149	100		
167	30.4	22.1	33.1
279	0.0	0.0	0.0

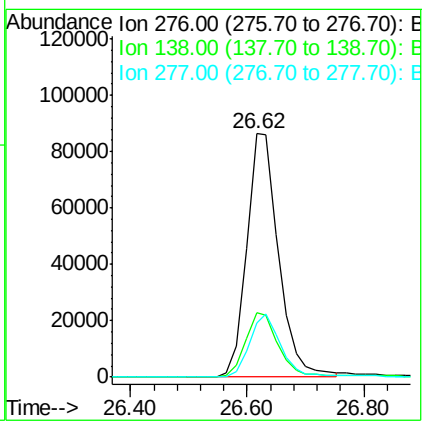


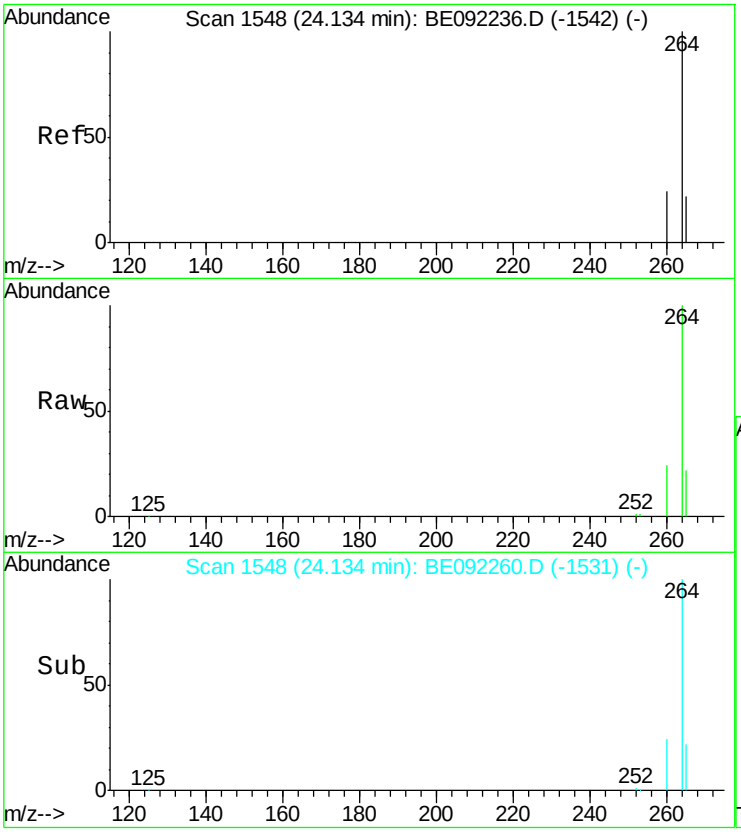


#30
Indeno(1,2,3-cd)pyrene
Concen: 4.19 ng
RT: 26.62 min Scan# 1717
Delta R.T. -0.03 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

Tgt Ion:276 Resp: 325743

Ion	Ratio	Lower	Upper
276	100		
138	26.8	21.3	31.9
277	24.7	19.7	29.5

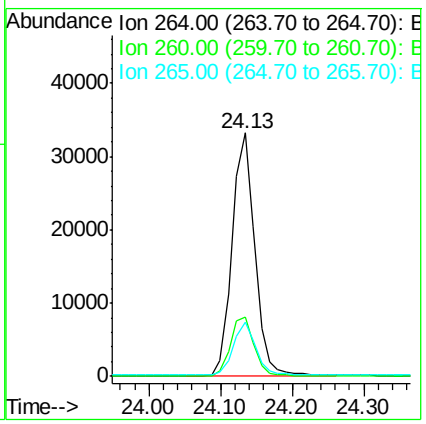




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.13 min Scan# 1548
Delta R.T. -0.00 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

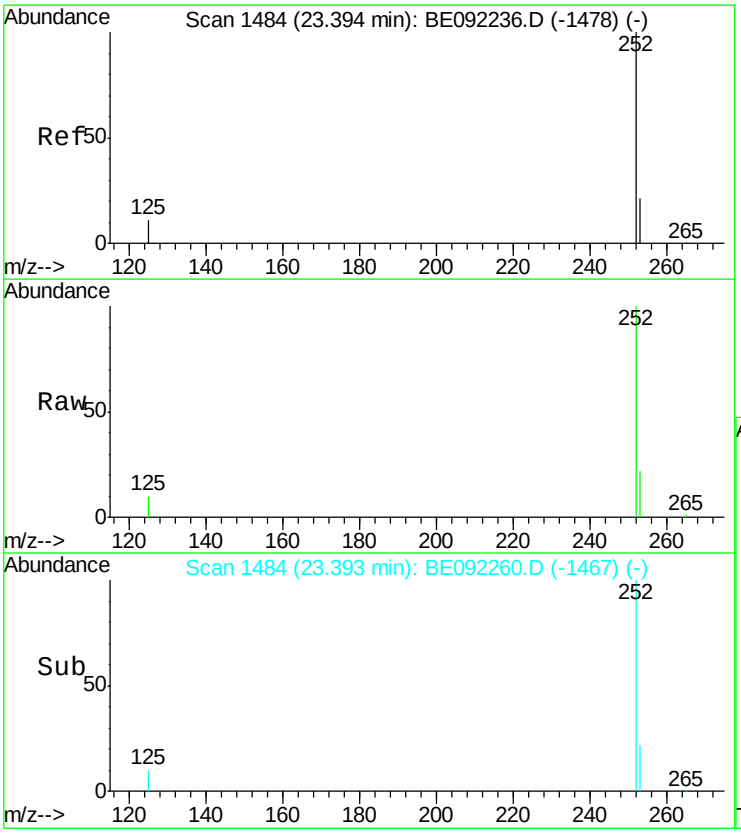
Tgt Ion:264 Resp: 73411

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	22.3	18.2	27.4



Instrument :
BNA_E
ClientSampleId :
PB92482BS

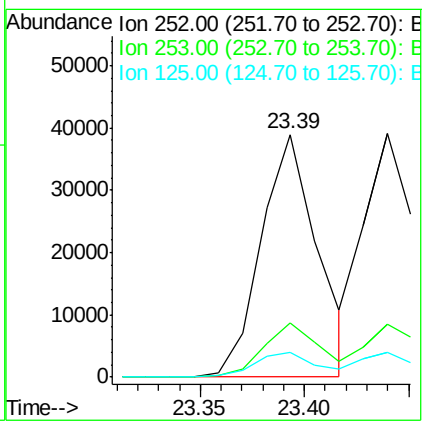
Manual Integrations APPROVED
sohil
8/11/2016 8:34:06 AM

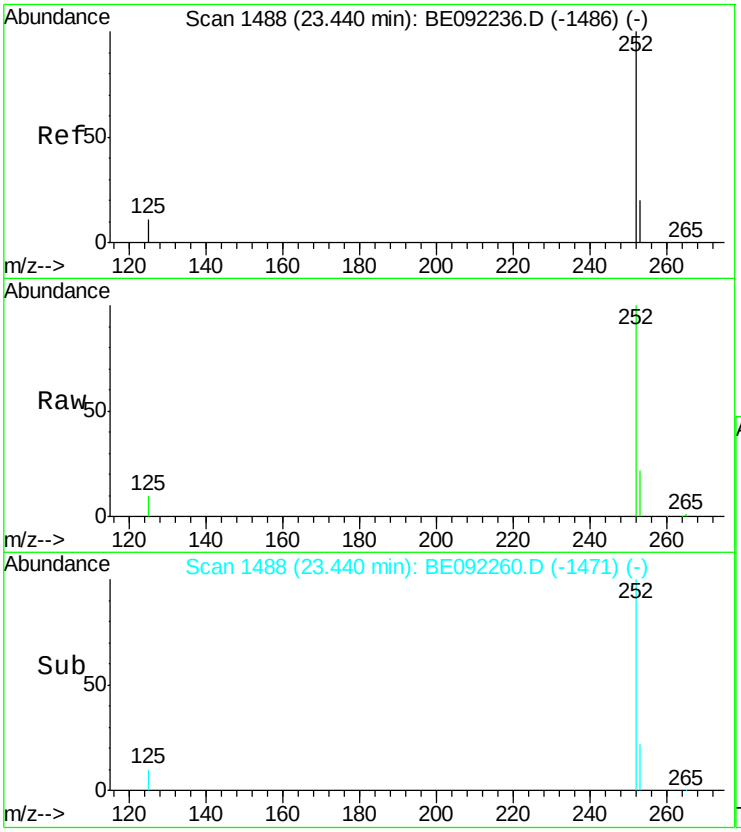


#32
Benzo(b)fluoranthene
Concen: 3.83 ng m
RT: 23.39 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

Tgt Ion:252 Resp: 73868

Ion	Ratio	Lower	Upper
252	100		
253	22.2	19.0	28.4
125	10.2	10.3	15.5#





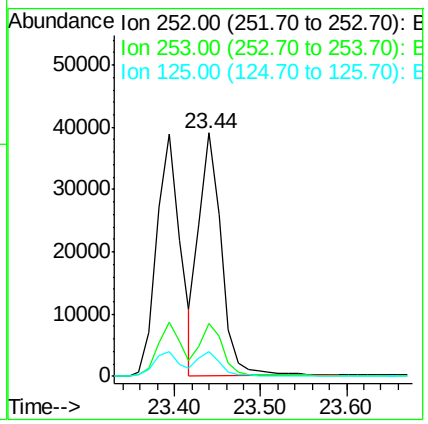
#33
Benzo(k)fluoranthene
Concen: 3.61 ng
RT: 23.44 min Scan# 1488
Delta R.T. -0.00 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

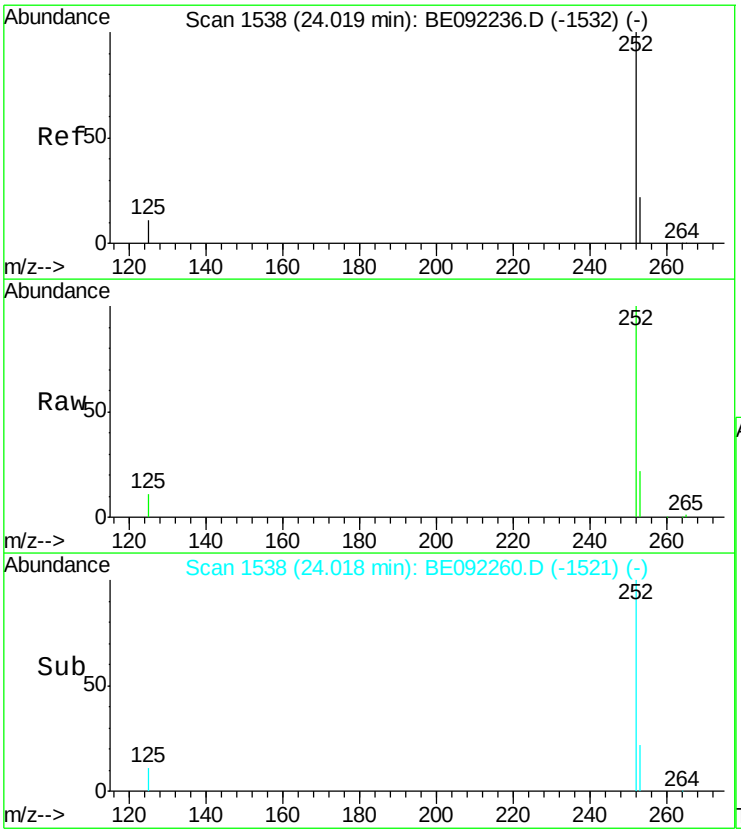
Tgt Ion:252 Resp: 70158

Ion	Ratio	Lower	Upper
252	100		
253	22.0	19.0	28.6
125	10.3	10.6	15.8#

Instrument :
BNA_E
ClientSampleId :
PB92482BS

Manual Integrations APPROVED
sohil
8/11/2016 8:34:06 AM

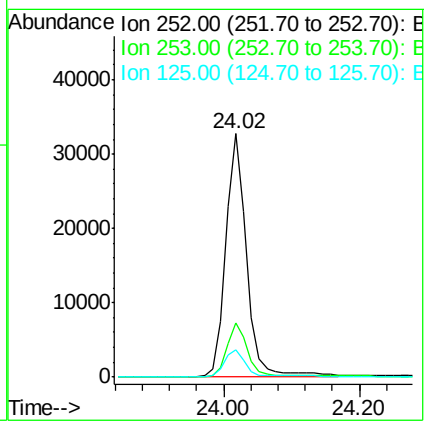


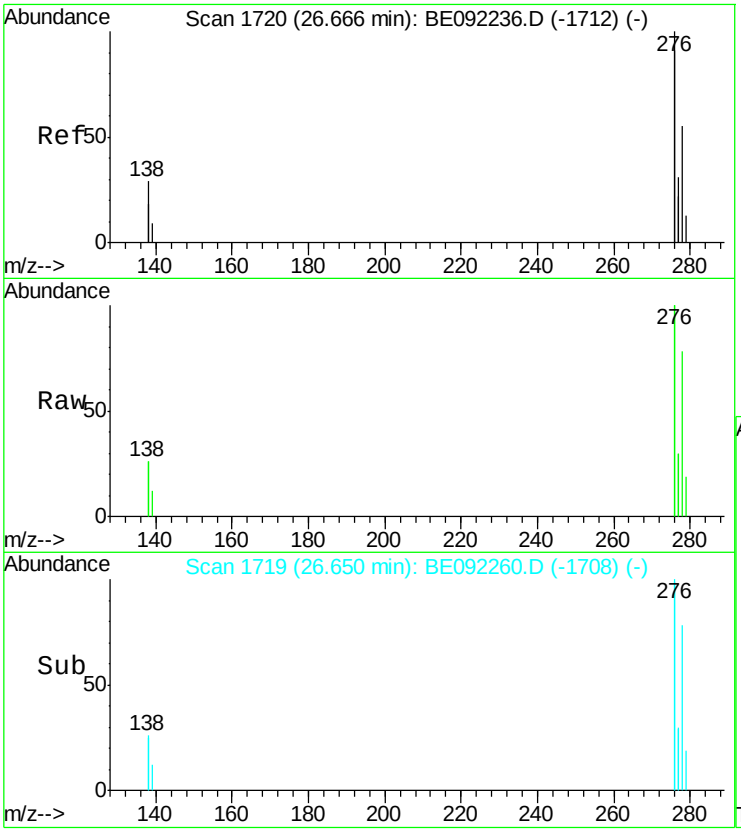


#34
Benzo(a)pyrene
Concen: 3.85 ng
RT: 24.02 min Scan# 1538
Delta R.T. -0.00 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

Tgt Ion:252 Resp: 69930

Ion	Ratio	Lower	Upper
252	100		
253	22.2	20.3	30.5
125	11.3	11.8	17.6#





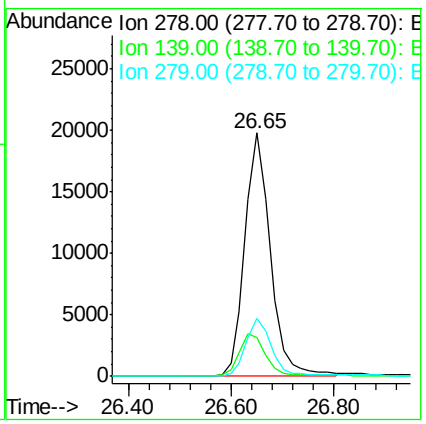
#35
Dibenzo(a,h)anthracene
Concen: 3.97 ng
RT: 26.65 min Scan# 1719
Delta R.T. -0.02 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

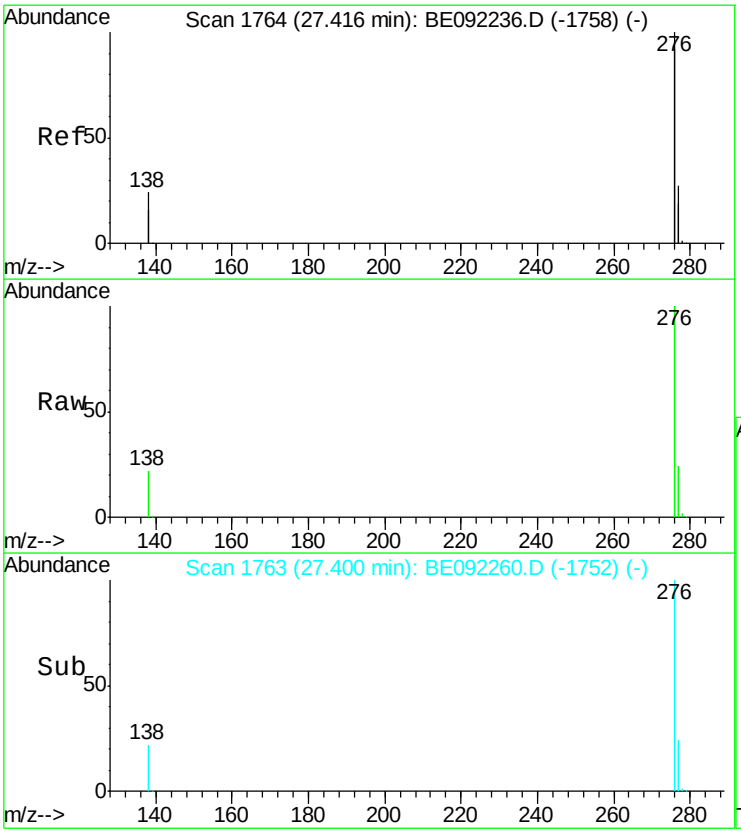
Tgt Ion:278 Resp: 67194

Ion	Ratio	Lower	Upper
278	100		
139	15.9	16.2	24.2#
279	23.9	21.4	32.2

Instrument :
BNA_E
ClientSampleId :
PB92482BS

Manual Integrations APPROVED
sohil
8/11/2016 8:34:06 AM





#36
Benzo(g,h,i)perylene
Concen: 3.83 ng
RT: 27.40 min Scan# 1763
Delta R.T. -0.02 min
Lab File: BE092260.D
Acq: 10 Aug 2016 18:22

Tgt Ion:276 Resp: 278402

Ion	Ratio	Lower	Upper
276	100		
277	24.0	21.4	32.2
138	22.1	19.4	29.2