Quantitation Report (QT Reviewed)

Data Path : S:\HPCHEM1\BNA_E\DATA\BE050517\
Data File : BE092936.D
Acq On : 5 May 2017 19:11
Operator : SJ/MA
Sample : PB98667BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB98667BS

Manual Integrations APPROVED
mohammad
5/8/2017 2:47:04 PM

Quant Time: May 06 02:03:44 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE050517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 05 14:05:07 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	976	0.40	ng		0.00
7) Naphthalene-d8	10.53	136	3818	0.40	ng		0.00
13) Acenaphthene-d10	14.39	164	1550	0.40	ng		0.00
19) Phenanthrene-d10	17.13	188	3562	0.40	ng		0.00
26) Chrysene-d12	21.28	240	2739	0.40	ng		0.00
33) Perylene-d12	23.69	264	2297	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.36	112	847	0.39	ng		0.00
5) Phenol-d6	6.94	99	1091	0.36	ng		0.00
8) Nitrobenzene-d5	8.90	82	922	0.36	ng		0.00
11) 2-Methylnaphthalene-d10	12.13	152	1627m	0.29	ng		0.00
14) 2,4,6-Tribromophenol	15.87	330	75	0.31	ng		0.00
15) 2-Fluorobiphenyl	13.01	172	2382	0.33	ng		0.00
24) Fluoranthene-d10	19.15	212	2236	0.27	ng		0.00
28) Terphenyl-d14	19.74	244	1772	0.37	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.32	88	415	0.22	ng	#	90
3) n-Nitrosodimethylamine	3.61	42	467	0.32	ng	#	84
6) bis(2-Chloroethyl)ether	7.20	93	1119	0.31	ng		98
9) Naphthalene	10.58	128	3149	0.31	ng	#	87
10) Hexachlorobutadiene	10.89	225	436	0.31	ng		96
12) 2-Methylnaphthalene	12.19	142	1959	0.31	ng		95
16) Acenaphthylene	14.10	152	8233	0.34	ng		99
17) Acenaphthene	14.44	154	1591	0.33	ng		95
18) Fluorene	15.43	166	1797	0.30	ng		98
20) Hexachlorobenzene	16.47	284	462	0.30	ng	#	100
21) Pentachlorophenol	16.79	266	167	0.59	ng	#	79
22) Phenanthrene	17.18	178	3079	0.31	ng		99
23) Anthracene	17.27	178	2422	0.32	ng		99
25) Fluoranthene	19.17	202	11551	0.27	ng	#	98
27) Pyrene	19.53	202	12277	0.35	ng	#	97
29) Benzo(a)anthracene	21.25	228	2259	0.35	ng	#	89
30) Chrysene	21.30	228	2671	0.33	ng	#	90
31) Bis(2-ethylhexyl)phthalate	21.20	149	598	0.34	ng	#	94
32) Indeno(1,2,3-cd)pyrene	26.22	276	10677	0.36	ng		99
34) Benzo(b)fluoranthene	22.95	252	2317	0.31	ng	#	87
35) Benzo(k)fluoranthene	23.00	252	2314	0.31	ng	#	83
36) Benzo(a)pyrene	23.57	252	1995	0.32	ng	#	77
37) Dibenzo(a,h)anthracene	26.25	278	2235	0.32	ng	#	81
38) Benzo(g,h,i)perylene	26.99	276	9442	0.32	ng	#	84

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

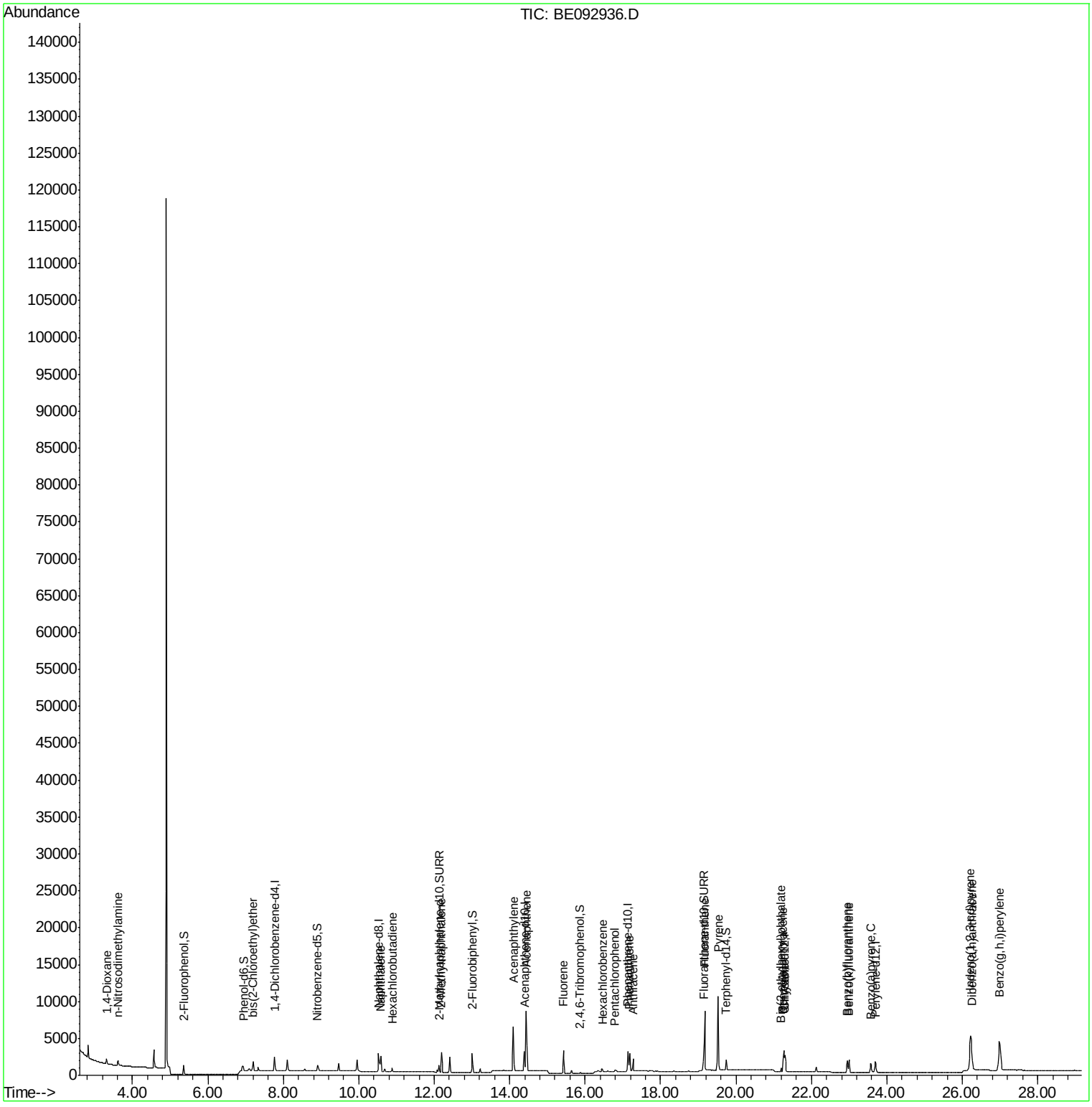
Quantitation Report (QT Reviewed)

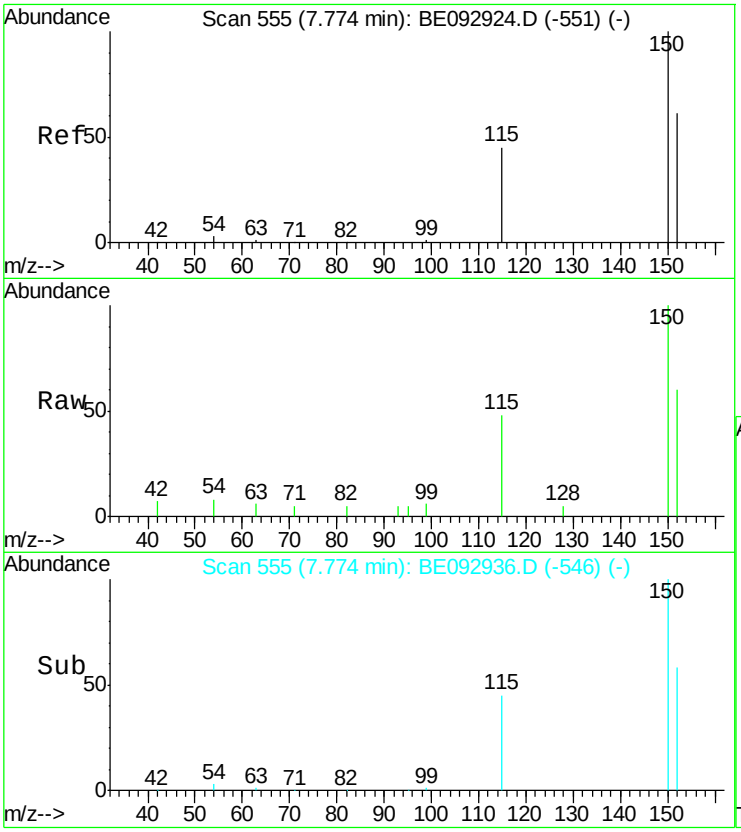
Data Path : S:\HPCHEM1\BNA_E\DATA\BE050517\
Data File : BE092936.D
Acq On : 5 May 2017 19:11
Operator : SJ/MA
Sample : PB98667BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 06 02:03:44 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE050517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 05 14:05:07 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
PB98667BS

Manual Integrations APPROVED
mohammad
5/8/2017 2:47:04 PM

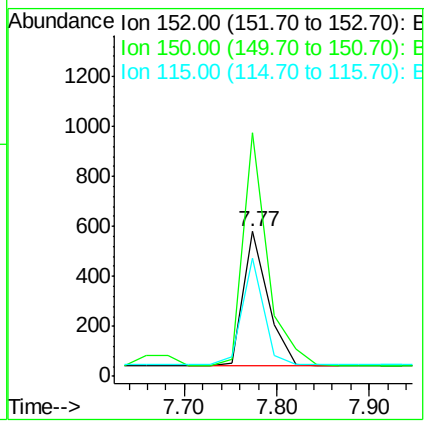




#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.77 min Scan# 555
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

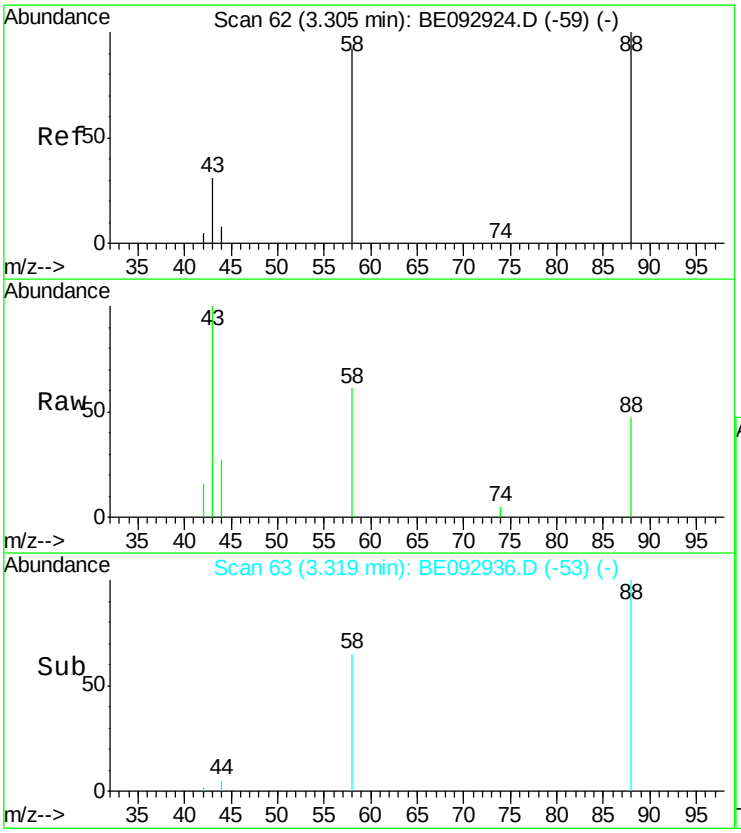
Tgt Ion:152 Resp: 976

Ion	Ratio	Lower	Upper
152	100		
150	167.9	129.9	194.9
115	81.2	62.6	93.8



Instrument :
BNA_E
ClientSampleId :
PB98667BS

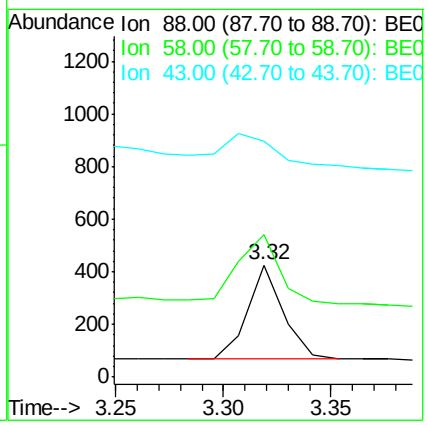
Manual Integrations APPROVED
mohammad
5/8/2017 2:47:04 PM

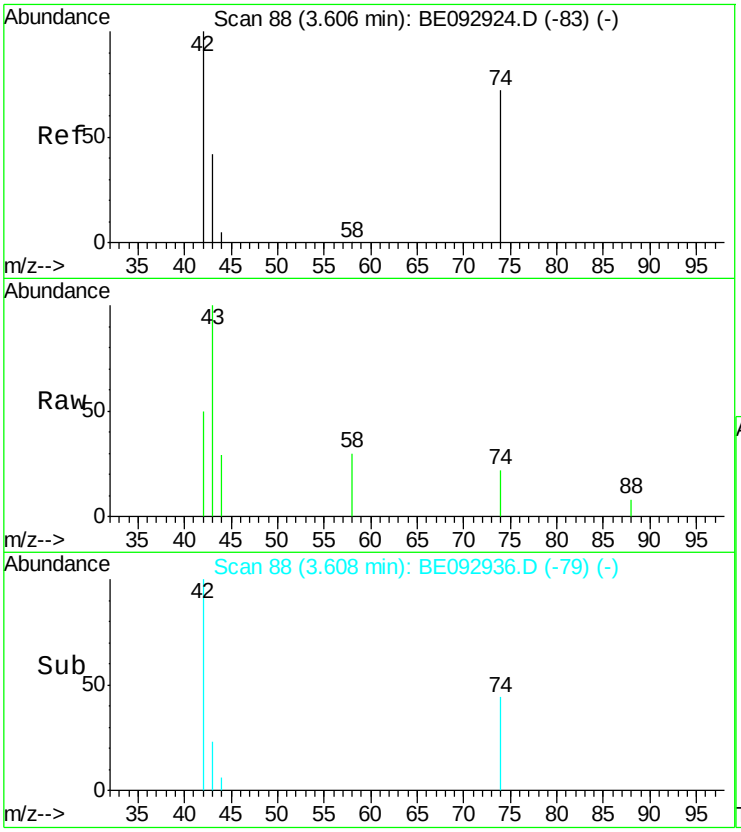


#2
1,4-Dioxane
Concen: 0.22 ng
RT: 3.32 min Scan# 63
Delta R.T. 0.01 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

Tgt Ion: 88 Resp: 415

Ion	Ratio	Lower	Upper
88	100		
58	84.1	64.9	97.3
43	47.7	26.6	40.0#

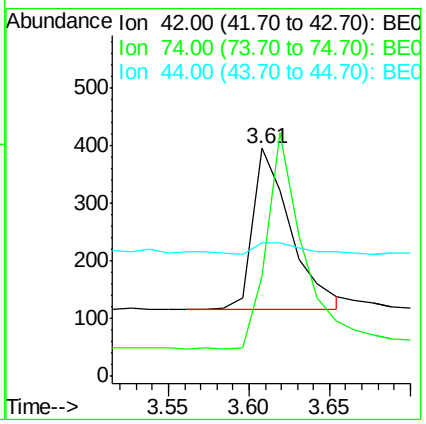




#3
n-Nitrosodimethylamine
Concen: 0.32 ng
RT: 3.61 min Scan# 88
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

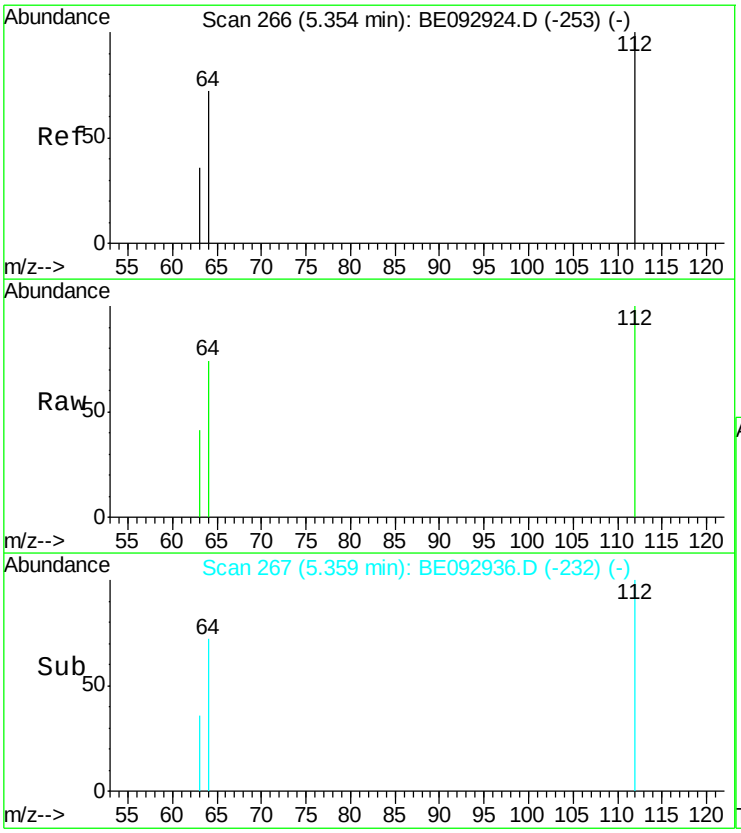
Tgt Ion: 42 Resp: 467

Ion	Ratio	Lower	Upper
42	100		
74	123.6	106.6	160.0
44	6.0	25.7	38.5#



Instrument :
BNA_E
ClientSampleId :
PB98667BS

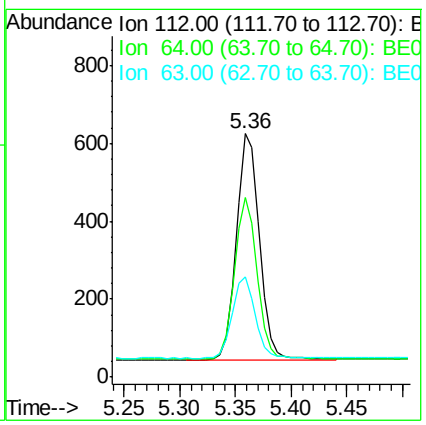
Manual Integrations APPROVED
mohammad
5/8/2017 2:47:04 PM

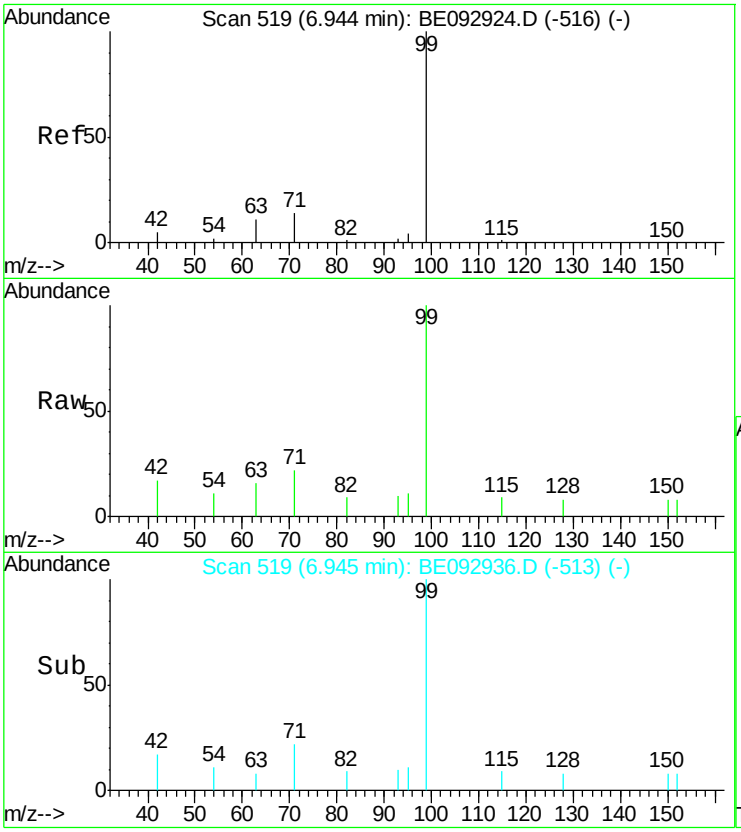


#4
2-Fluorophenol
Concen: 0.39 ng
RT: 5.36 min Scan# 267
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

Tgt Ion:112 Resp: 847

Ion	Ratio	Lower	Upper
112	100		
64	70.1	52.6	79.0
63	36.0	29.0	43.4

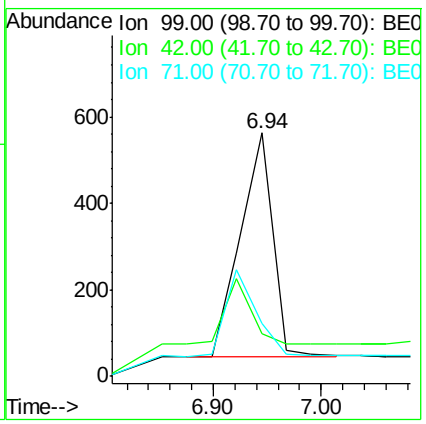




#5
Phenol-d6
Concen: 0.36 ng
RT: 6.94 min Scan# 519
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

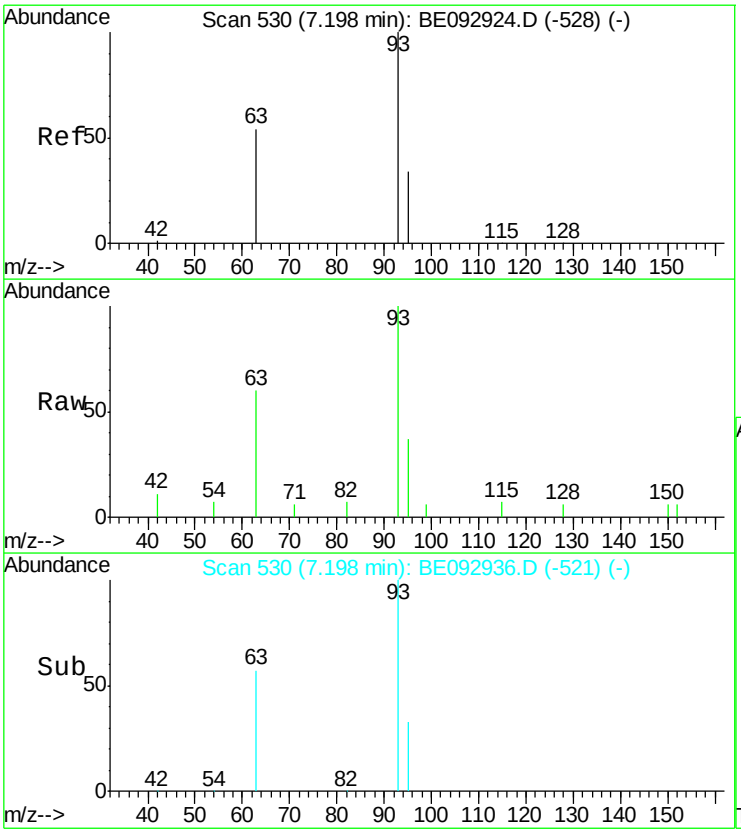
Tgt Ion: 99 Resp: 1091

Ion	Ratio	Lower	Upper
99	100		
42	0.0	0.0	0.0
71	0.0	0.0	0.0



Instrument :
BNA_E
ClientSampleId :
PB98667BS

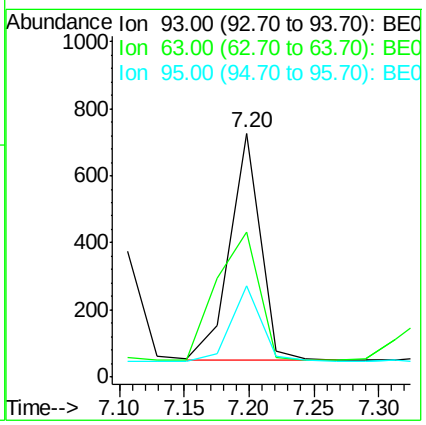
Manual Integrations APPROVED
mohammad
5/8/2017 2:47:04 PM

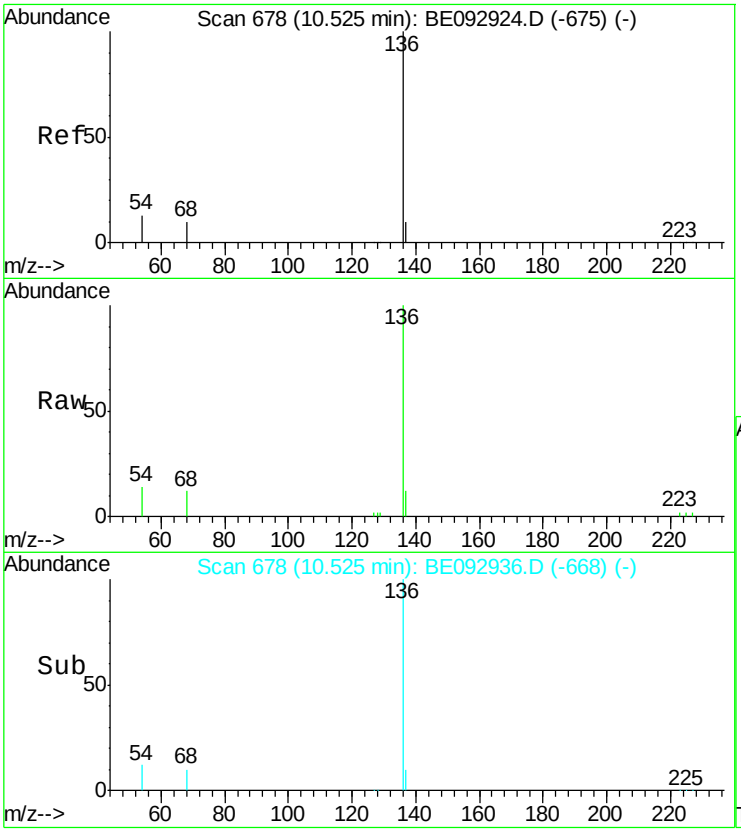


#6
bis(2-Chloroethyl)ether
Concen: 0.31 ng
RT: 7.20 min Scan# 530
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

Tgt Ion: 93 Resp: 1119

Ion	Ratio	Lower	Upper
93	100		
63	79.2	61.2	91.8
95	32.4	25.5	38.3

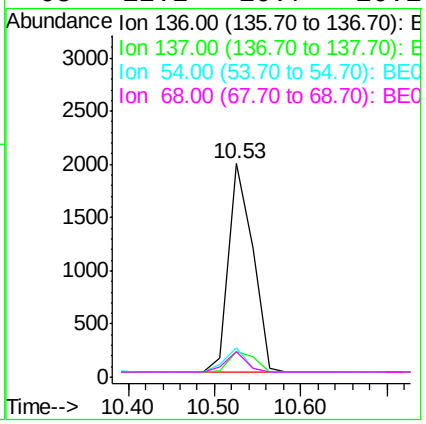




#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.53 min Scan# 678
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

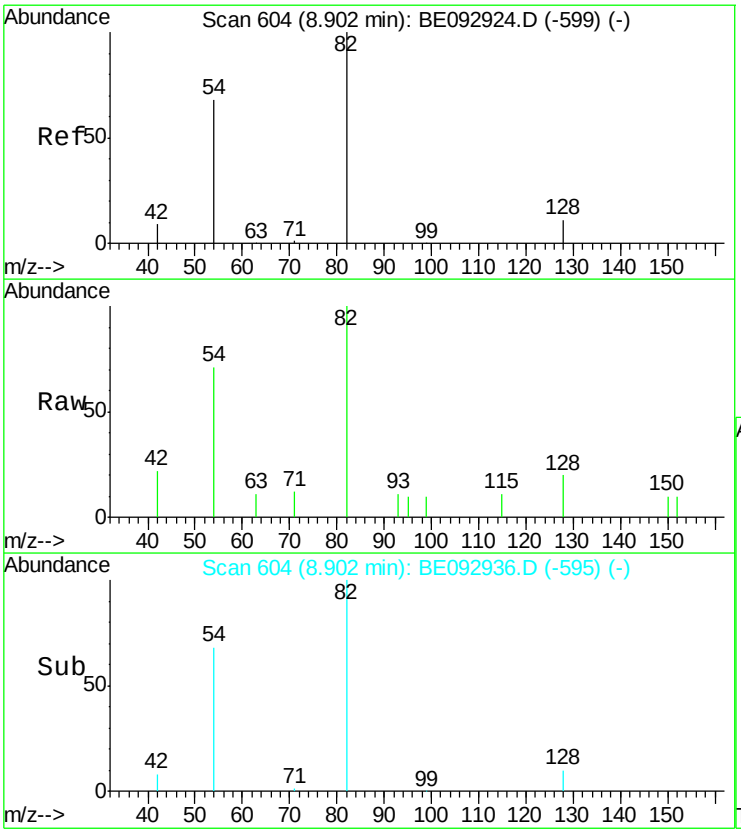
Tgt Ion:136 Resp: 3818

Ion	Ratio	Lower	Upper
136	100		
137	12.0	10.4	15.6
54	14.1	12.6	18.8
68	12.2	10.7	16.1



Instrument :
BNA_E
ClientSampleId :
PB98667BS

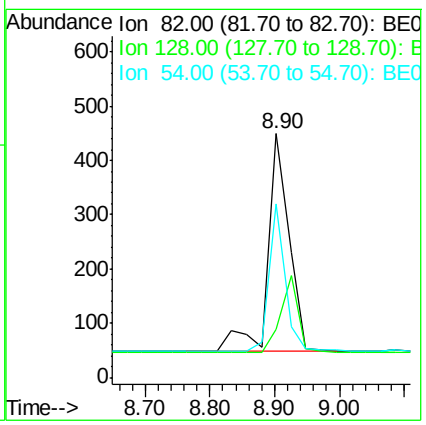
Manual Integrations APPROVED
mohammad
5/8/2017 2:47:04 PM

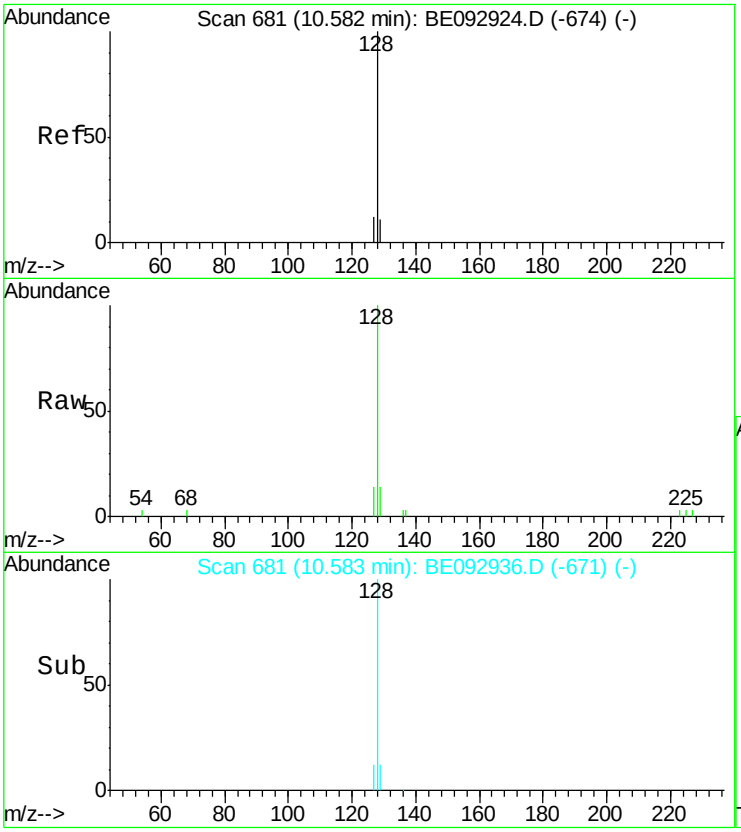


#8
Nitrobenzene-d5
Concen: 0.36 ng
RT: 8.90 min Scan# 604
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

Tgt Ion: 82 Resp: 922

Ion	Ratio	Lower	Upper
82	100		
128	19.6	35.3	52.9#
54	71.3	65.1	97.7

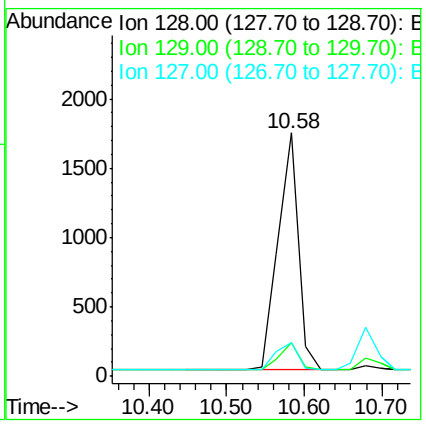




#9
Naphthalene
Concen: 0.31 ng
RT: 10.58 min Scan# 681
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

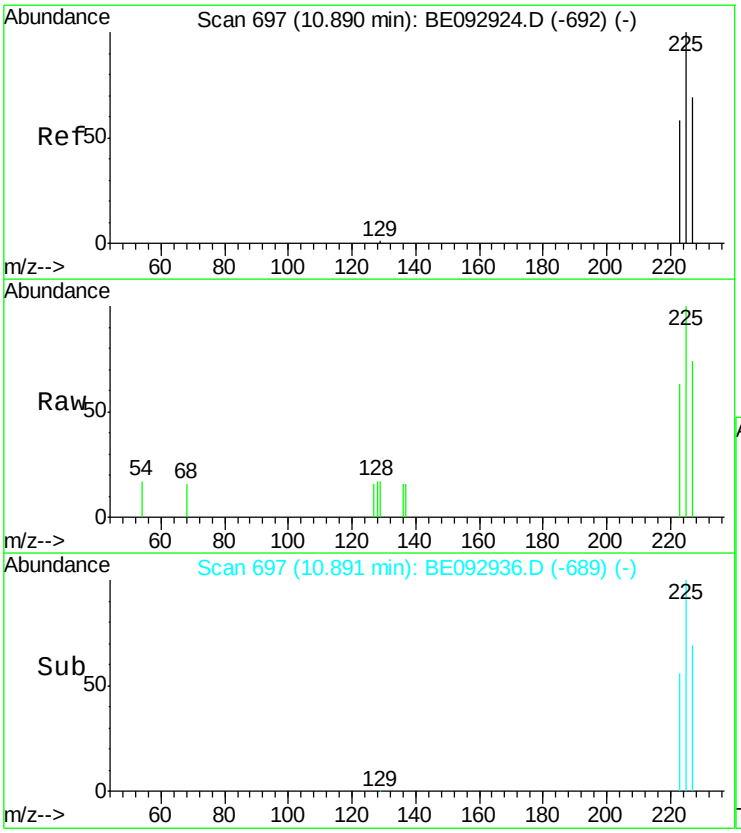
Tgt Ion:128 Resp: 3149

Ion	Ratio	Lower	Upper
128	100		
129	13.8	15.8	23.8#
127	14.0	16.0	24.0#



Instrument :
BNA_E
ClientSampleId :
PB98667BS

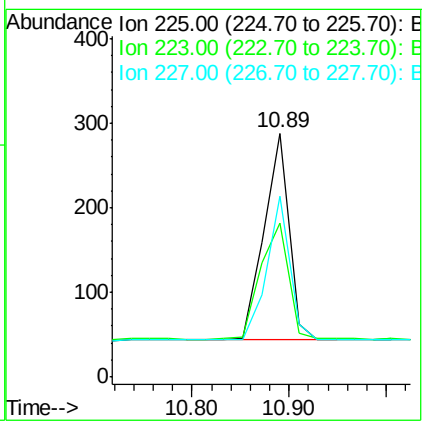
Manual Integrations APPROVED
mohammad
5/8/2017 2:47:04 PM

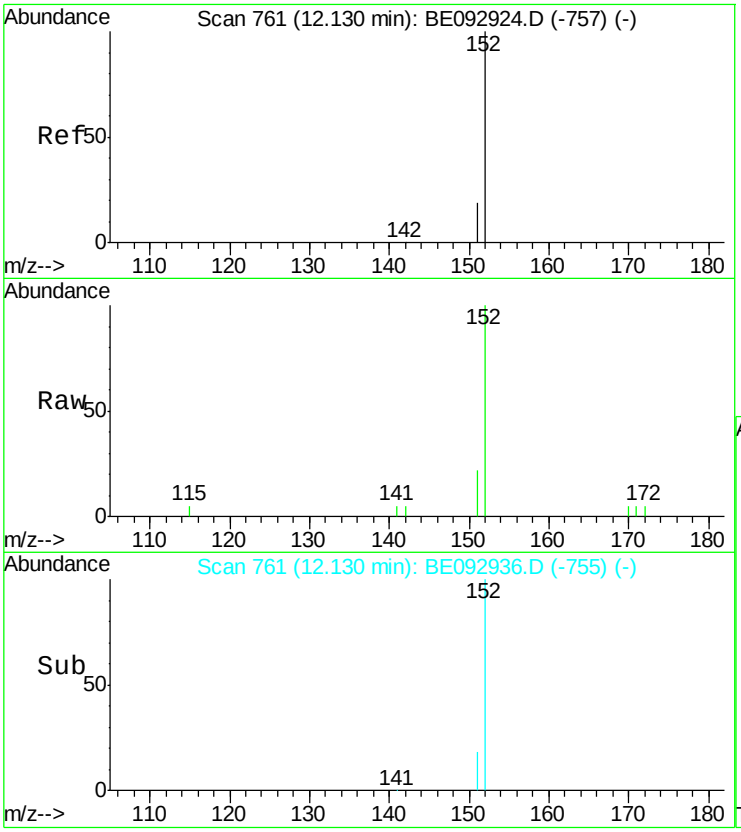


#10
Hexachlorobutadiene
Concen: 0.31 ng
RT: 10.89 min Scan# 697
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

Tgt Ion:225 Resp: 436

Ion	Ratio	Lower	Upper
225	100		
223	64.0	55.4	83.2
227	63.5	52.2	78.4

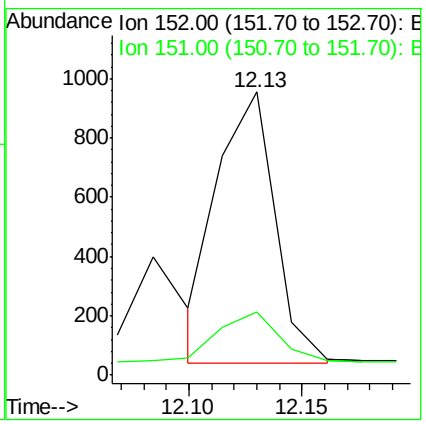




#11
2-Methylnaphthalene-d10
Concen: 0.29 ng m
RT: 12.13 min Scan# 761
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

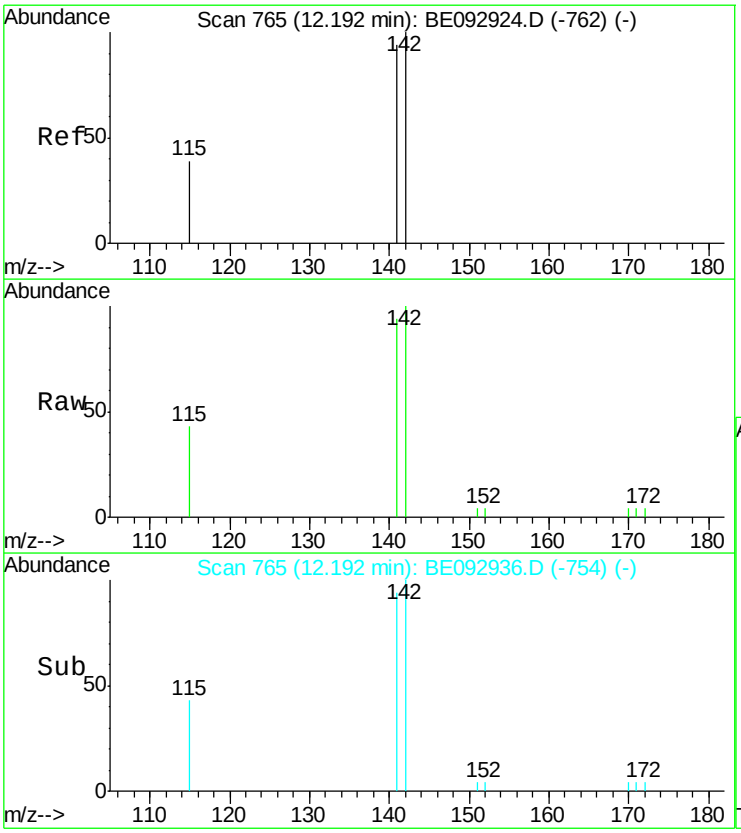
Tgt Ion:152 Resp: 1627

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.7	23.5



Instrument :
BNA_E
ClientSampleId :
PB98667BS

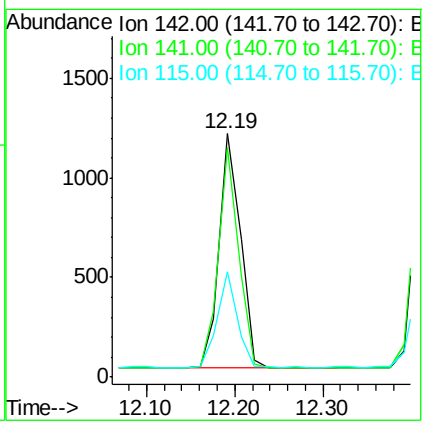
Manual Integrations APPROVED
mohammad
5/8/2017 2:47:04 PM

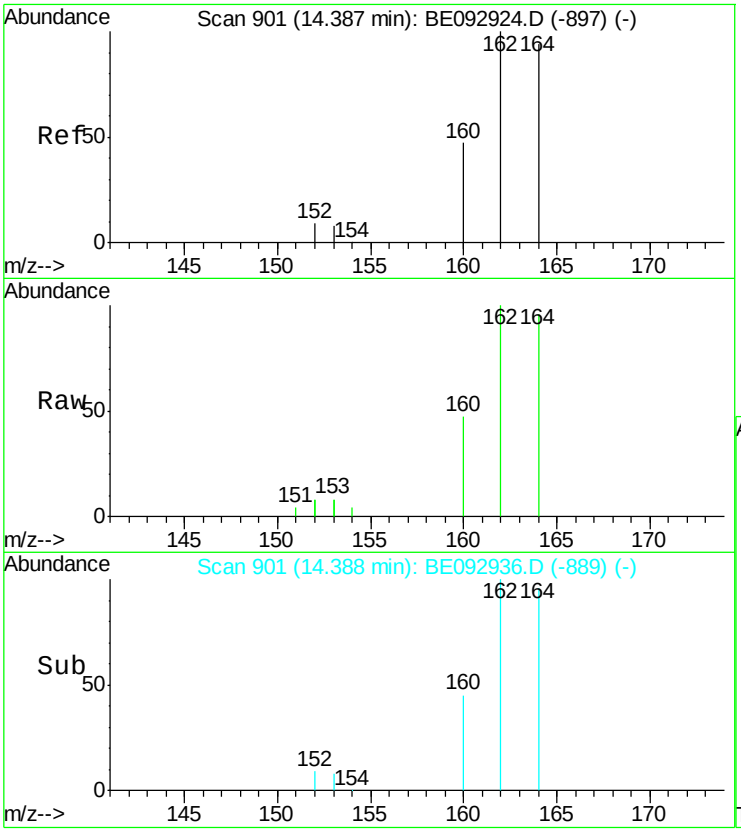


#12
2-Methylnaphthalene
Concen: 0.31 ng
RT: 12.19 min Scan# 765
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

Tgt Ion:142 Resp: 1959

Ion	Ratio	Lower	Upper
142	100		
141	94.4	76.0	114.0
115	43.2	41.6	62.4

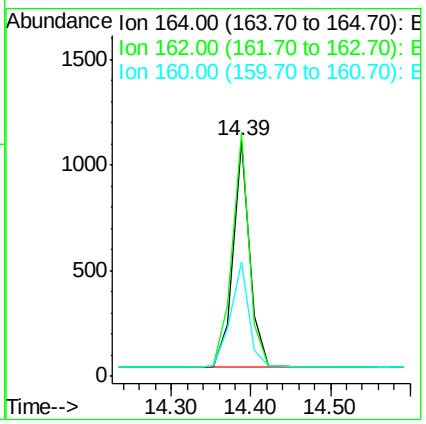




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

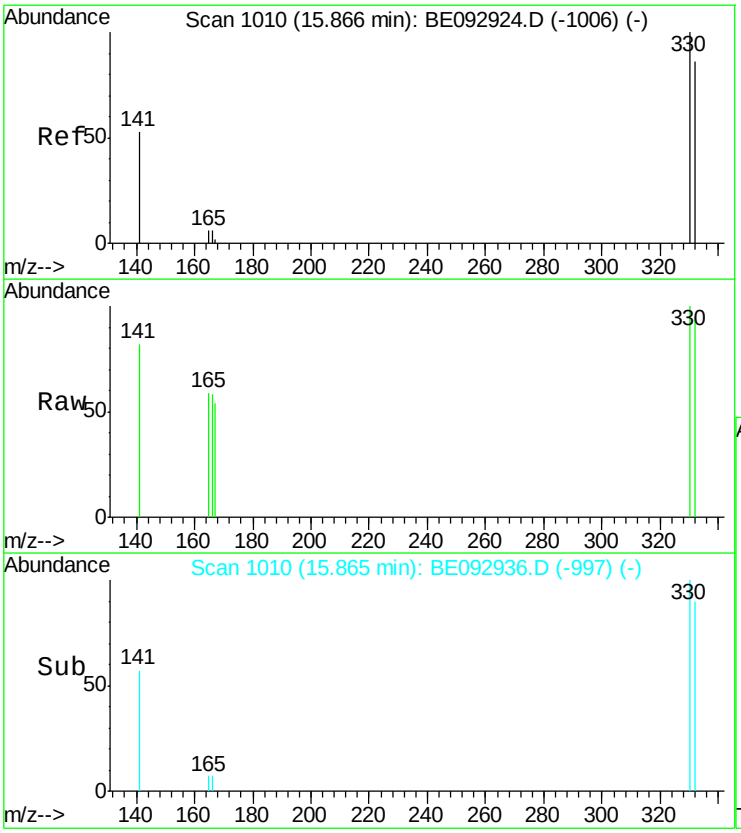
Tgt Ion:164 Resp: 1550

Ion	Ratio	Lower	Upper
164	100		
162	103.7	86.6	130.0
160	48.6	44.5	66.7



Instrument :
BNA_E
ClientSampleId :
PB98667BS

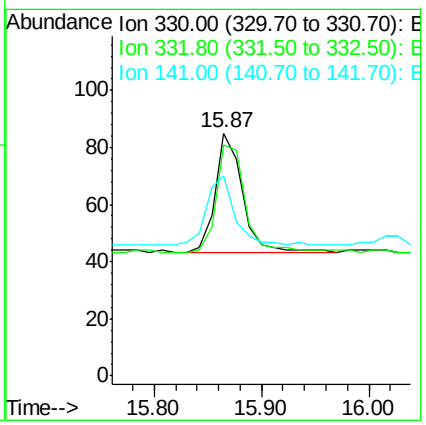
Manual Integrations APPROVED
mohammad
5/8/2017 2:47:04 PM

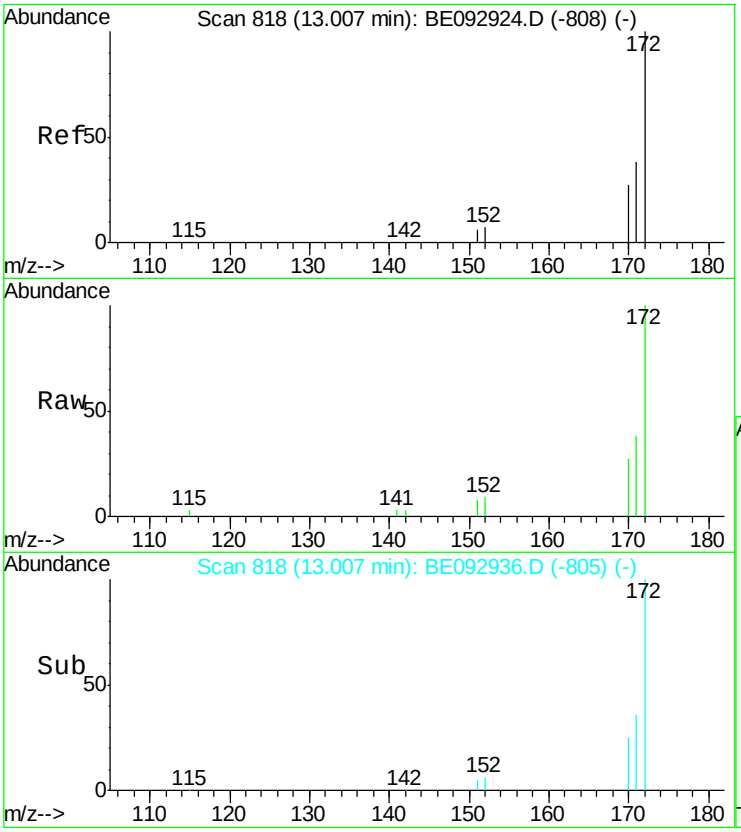


#14
2,4,6-Tribromophenol
Concen: 0.31 ng
RT: 15.87 min Scan# 1010
Delta R.T. -0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

Tgt Ion:330 Resp: 75

Ion	Ratio	Lower	Upper
330	100		
332	96.0	69.1	103.7
141	58.7	54.6	81.8

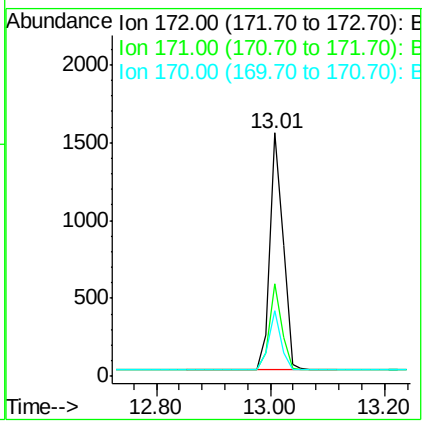




#15
2-Fluorobiphenyl
Concen: 0.33 ng
RT: 13.01 min Scan# 818
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

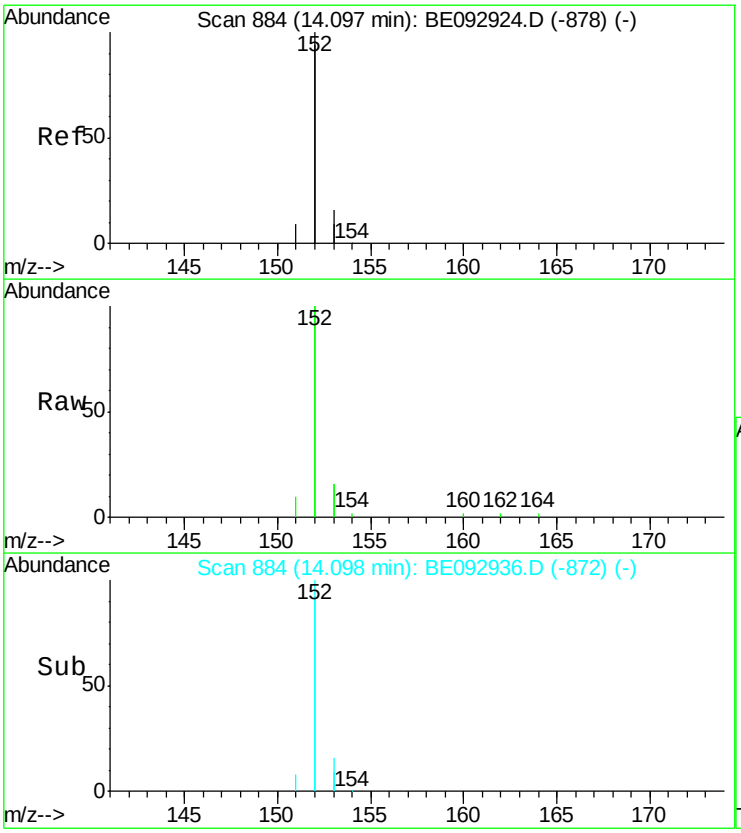
Tgt Ion:172 Resp: 2382

Ion	Ratio	Lower	Upper
172	100		
171	38.2	35.8	53.6
170	27.2	28.5	42.7#



Instrument :
BNA_E
ClientSampleId :
PB98667BS

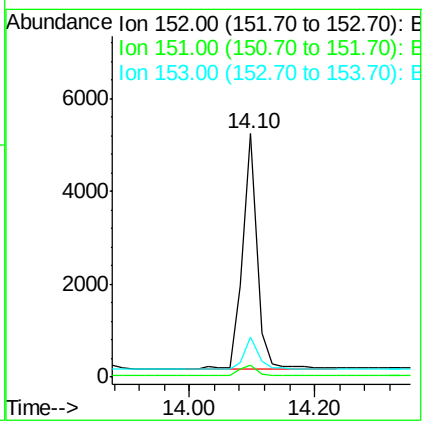
Manual Integrations APPROVED
mohammad
5/8/2017 2:47:04 PM

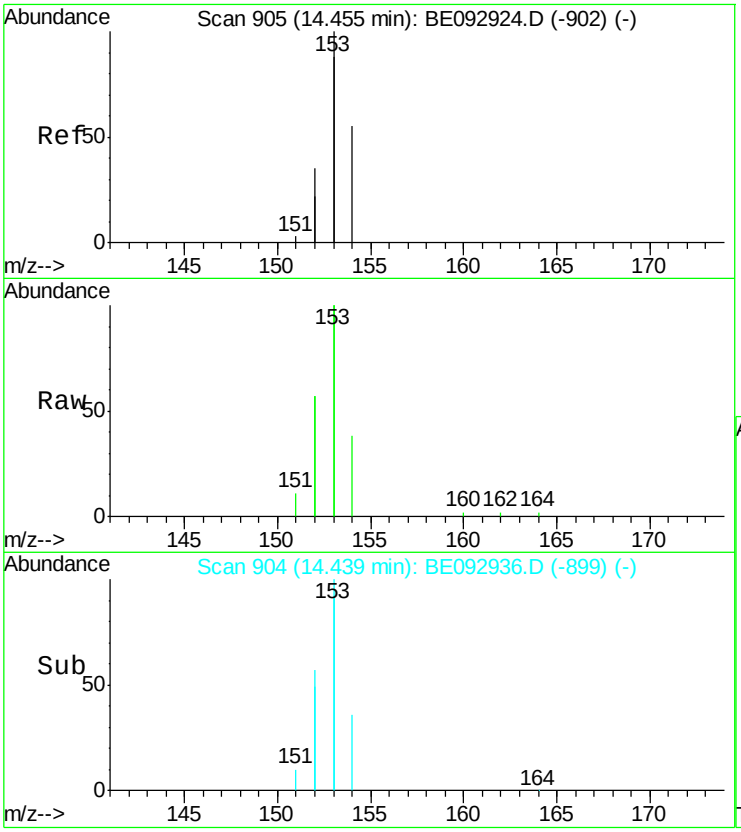


#16
Acenaphthylene
Concen: 0.34 ng
RT: 14.10 min Scan# 884
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

Tgt Ion:152 Resp: 8233

Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.8	5.8
153	13.1	10.0	15.0

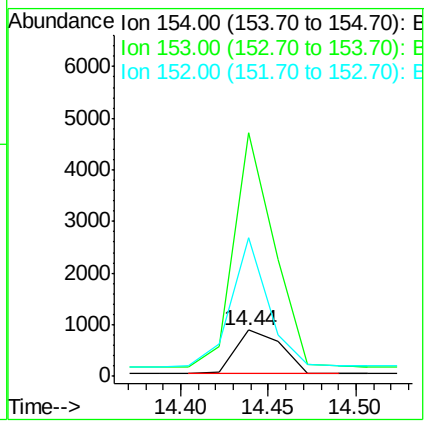




#17
Acenaphthene
Concen: 0.33 ng
RT: 14.44 min Scan# 904
Delta R.T. -0.02 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

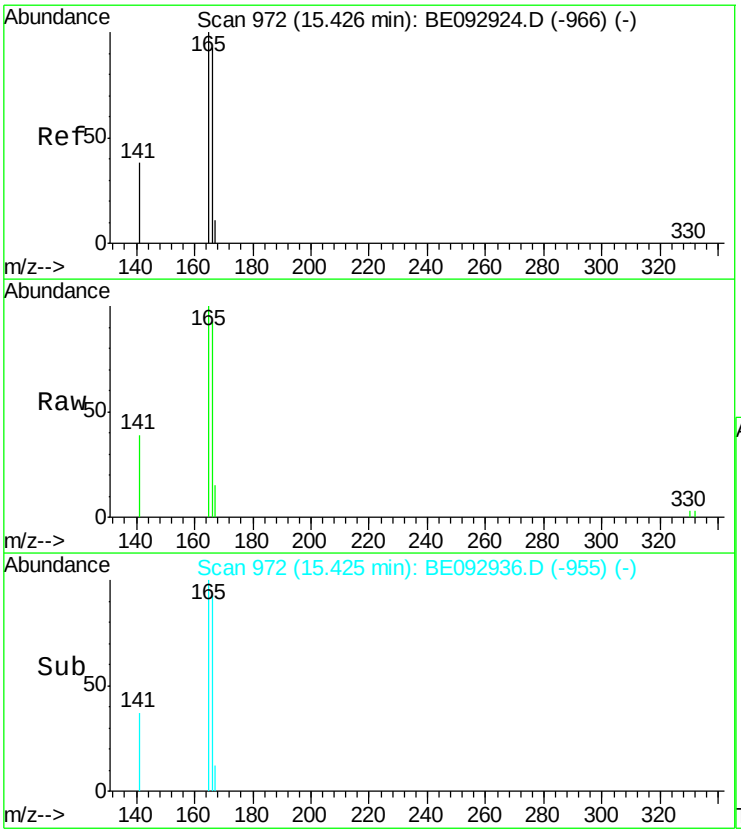
Tgt Ion:154 Resp: 1591

Ion	Ratio	Lower	Upper
154	100		
153	455.9	355.6	533.4
152	230.2	177.8	266.8



Instrument :
BNA_E
ClientSampleId :
PB98667BS

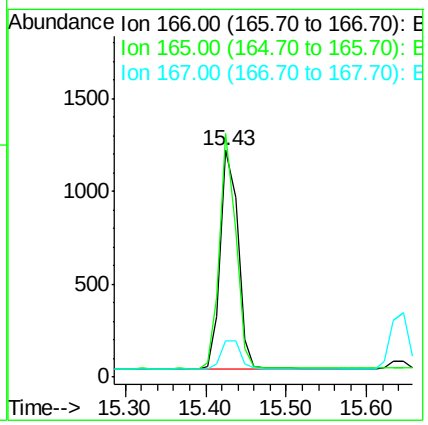
Manual Integrations APPROVED
mohammad
5/8/2017 2:47:04 PM

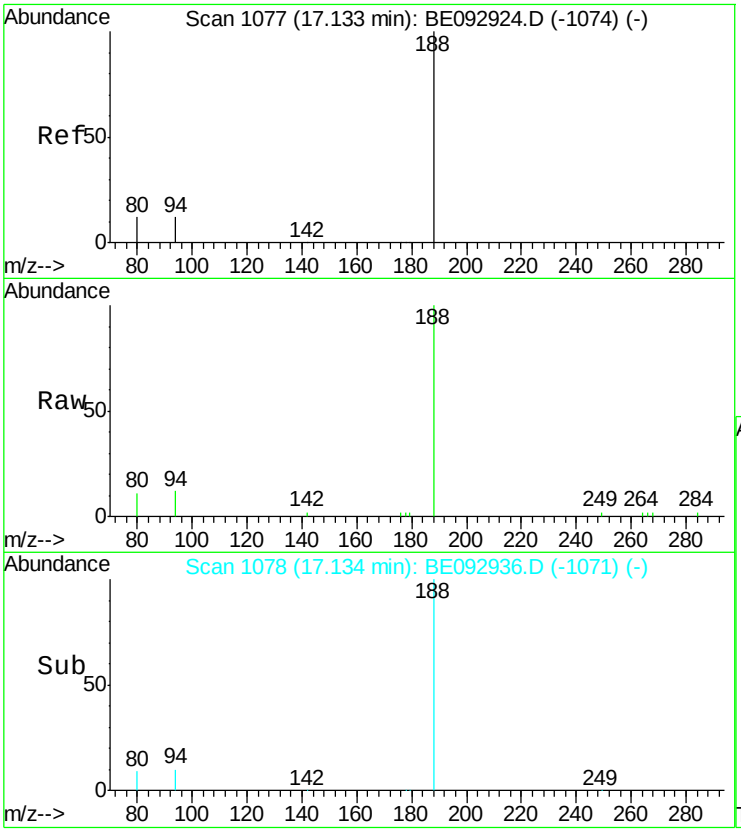


#18
Fluorene
Concen: 0.30 ng
RT: 15.43 min Scan# 972
Delta R.T. -0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

Tgt Ion:166 Resp: 1797

Ion	Ratio	Lower	Upper
166	100		
165	99.0	80.7	121.1
167	14.1	11.3	16.9





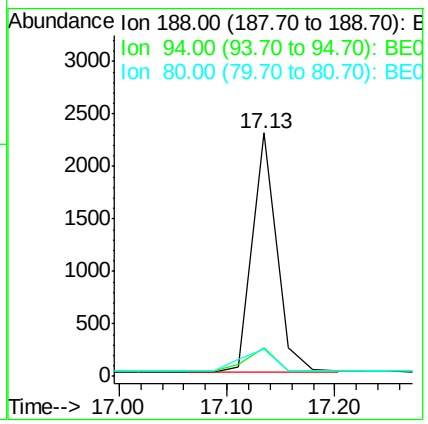
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.13 min Scan# 1078
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

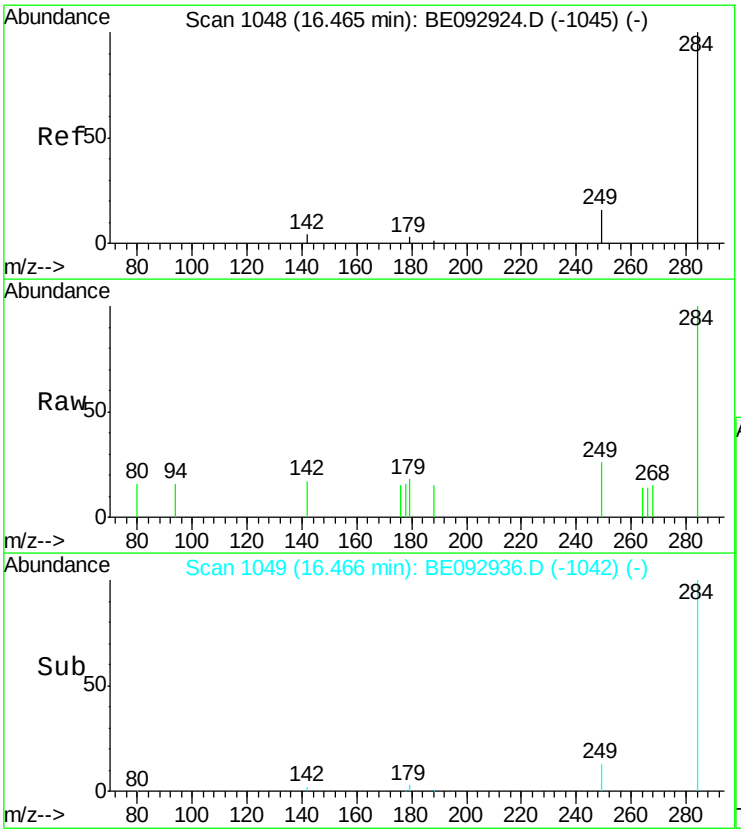
Tgt Ion:188 Resp: 3562

Ion	Ratio	Lower	Upper
188	100		
94	11.5	10.2	15.4
80	11.3	10.6	15.8

Instrument :
BNA_E
ClientSampleId :
PB98667BS

Manual Integrations APPROVED
mohammad
5/8/2017 2:47:04 PM

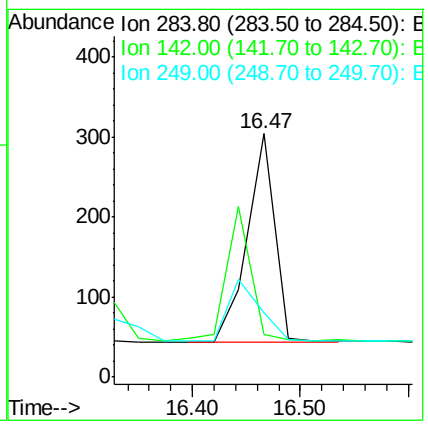


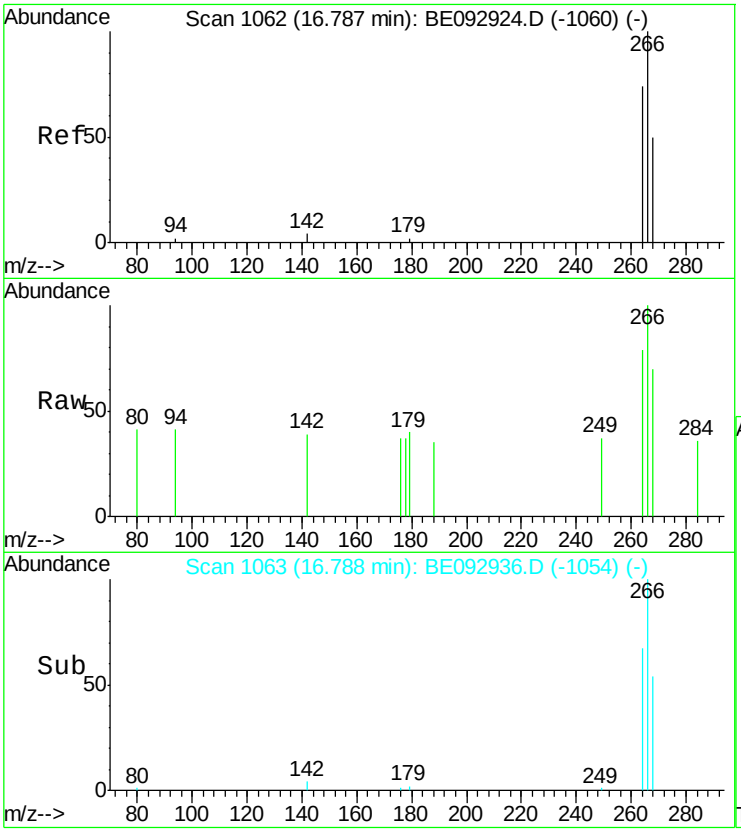


#20
Hexachlorobenzene
Concen: 0.30 ng
RT: 16.47 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

Tgt Ion:284 Resp: 462

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





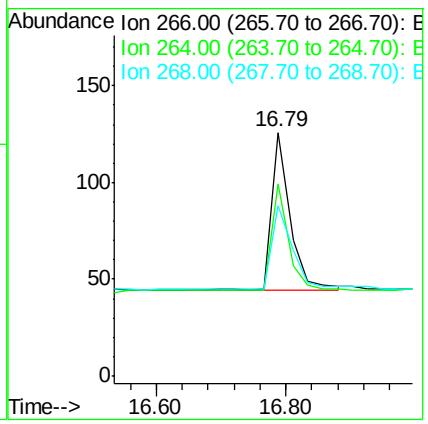
#21
Pentachlorophenol
Concen: 0.59 ng
RT: 16.79 min Scan# 1063
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

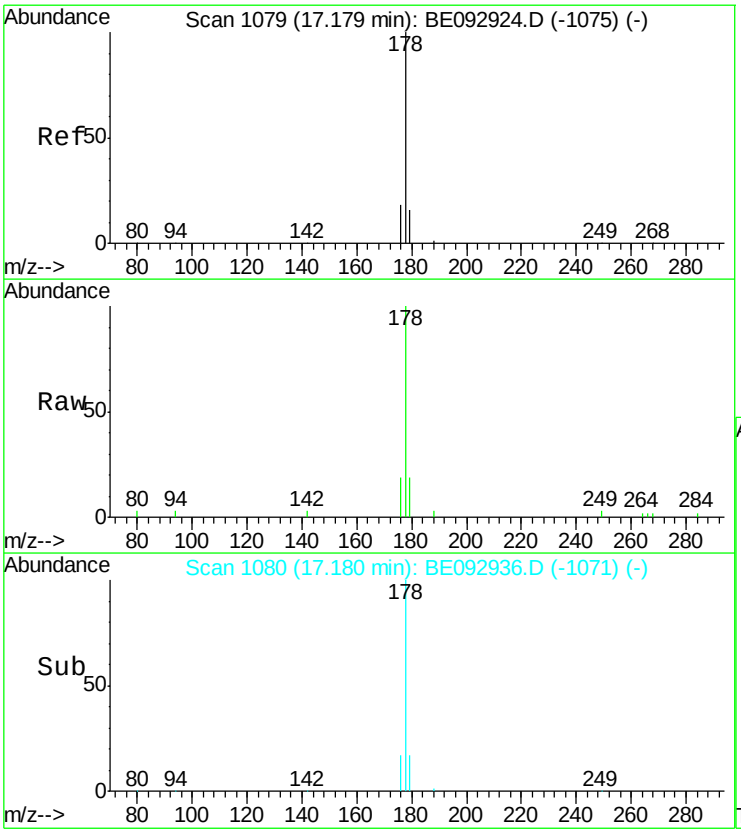
Tgt Ion:266 Resp: 167

Ion	Ratio	Lower	Upper
266	100		
264	78.6	75.4	113.2
268	69.8	75.4	113.2#

Instrument :
BNA_E
ClientSampleId :
PB98667BS

Manual Integrations APPROVED
mohammad
5/8/2017 2:47:04 PM

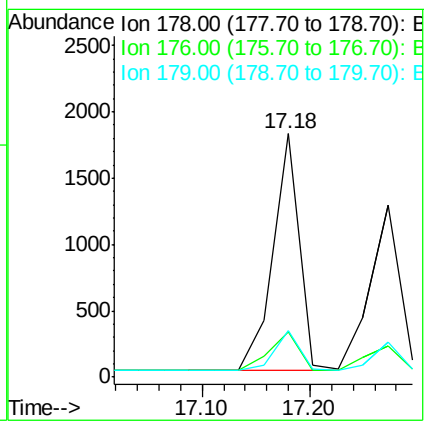


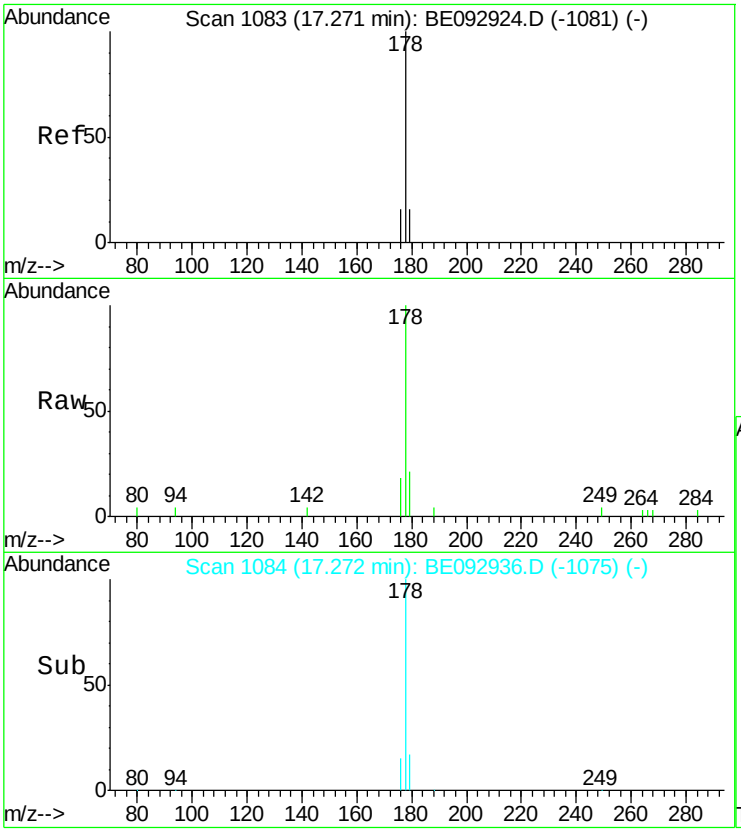


#22
Phenanthrene
Concen: 0.31 ng
RT: 17.18 min Scan# 1080
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

Tgt Ion:178 Resp: 3079

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.2	21.4
179	16.3	13.6	20.4

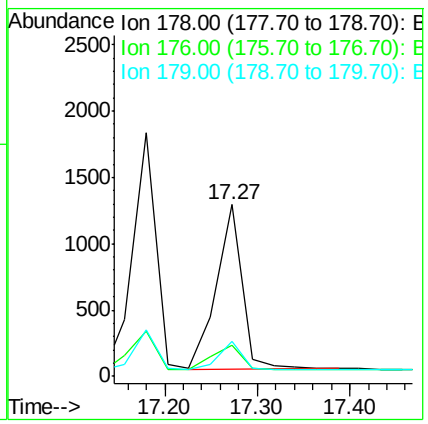




#23
Anthracene
Concen: 0.32 ng
RT: 17.27 min Scan# 1084
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

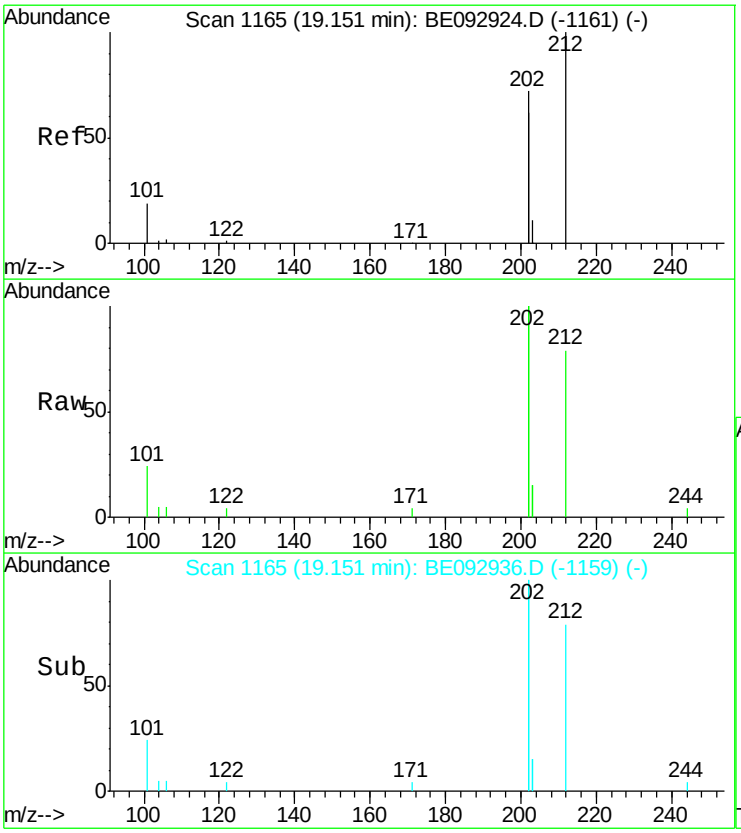
Tgt Ion:178 Resp: 2422

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.7	22.1
179	16.0	12.8	19.2



Instrument :
BNA_E
ClientSampleId :
PB98667BS

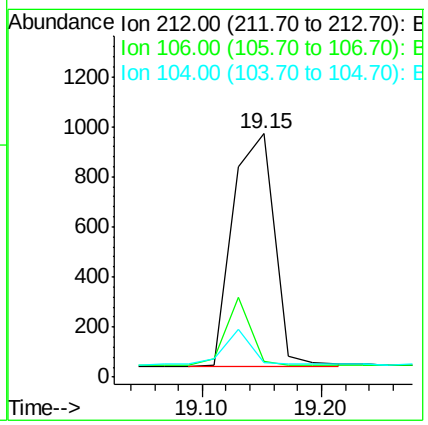
Manual Integrations APPROVED
mohammad
5/8/2017 2:47:04 PM

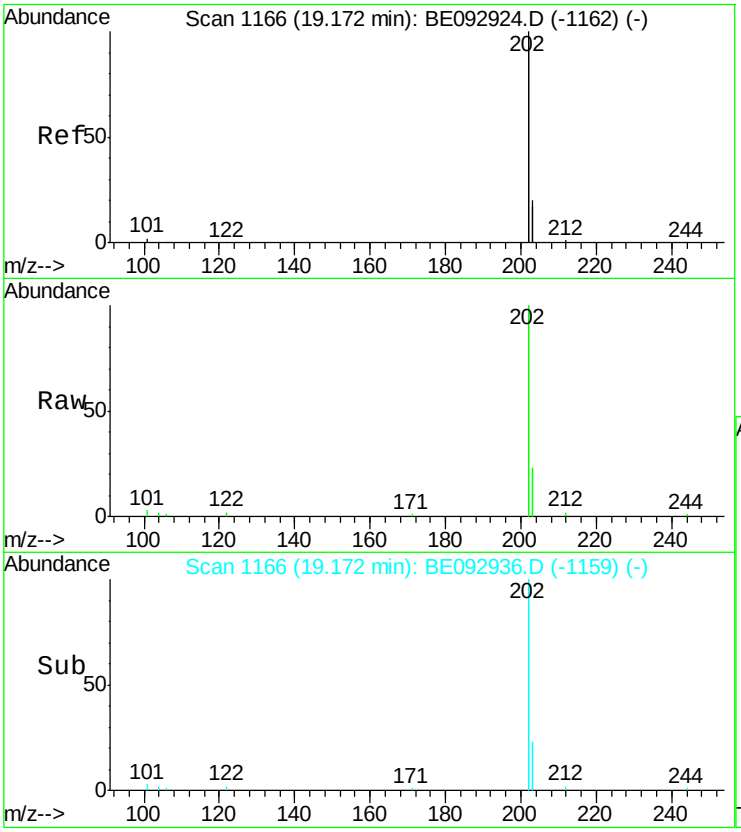


#24
Fluoranthene-d10
Concen: 0.27 ng
RT: 19.15 min Scan# 1165
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

Tgt Ion:212 Resp: 2236

Ion	Ratio	Lower	Upper
212	100		
106	0.0	0.0	0.0
104	0.0	0.0	0.0

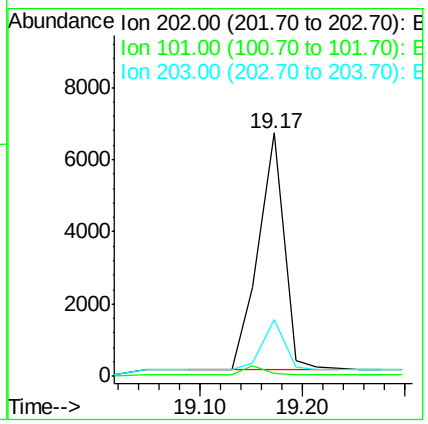




#25
Fluoranthene
Concen: 0.27 ng
RT: 19.17 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

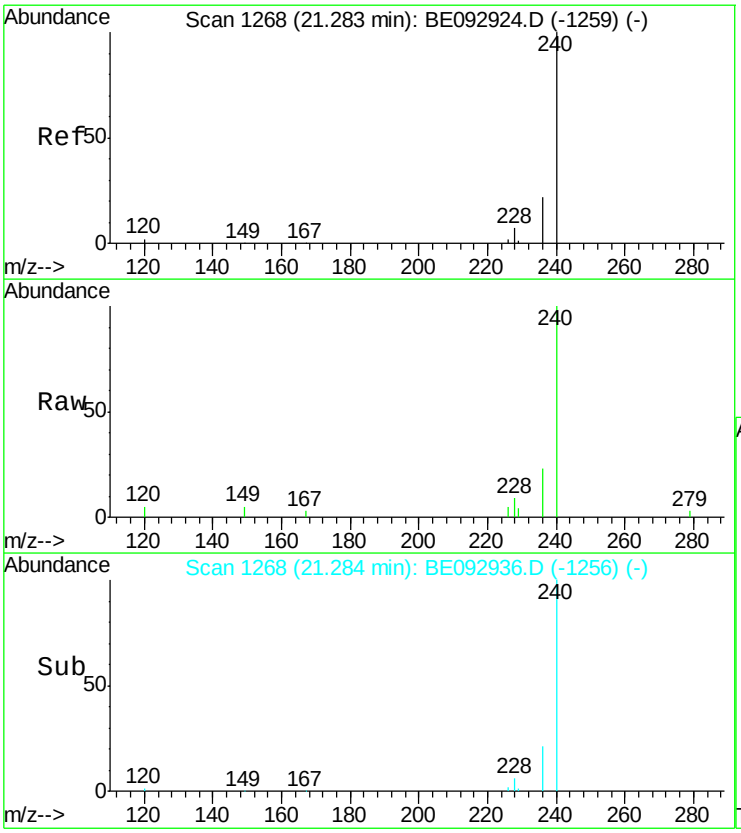
Tgt Ion:202 Resp: 11551

Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	0.0
203	18.2	15.3	22.9



Instrument :
BNA_E
ClientSampleId :
PB98667BS

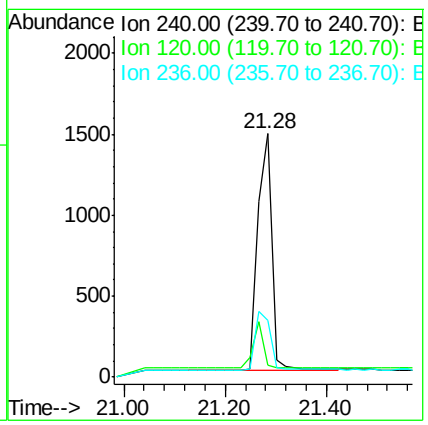
Manual Integrations APPROVED
mohammad
5/8/2017 2:47:04 PM

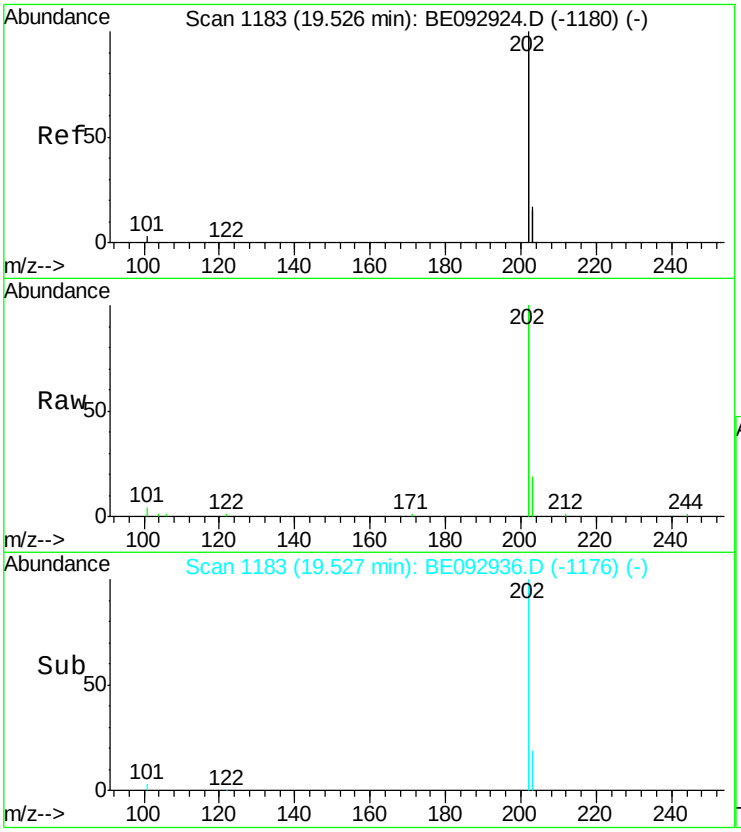


#26
Chrysene-d12
Concen: 0.40 ng
RT: 21.28 min Scan# 1268
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

Tgt Ion:240 Resp: 2739

Ion	Ratio	Lower	Upper
240	100		
120	5.0	4.6	6.8
236	23.1	19.8	29.8

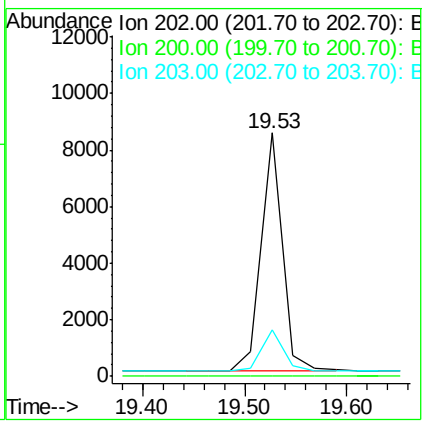




#27
Pyrene
Concen: 0.35 ng
RT: 19.53 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

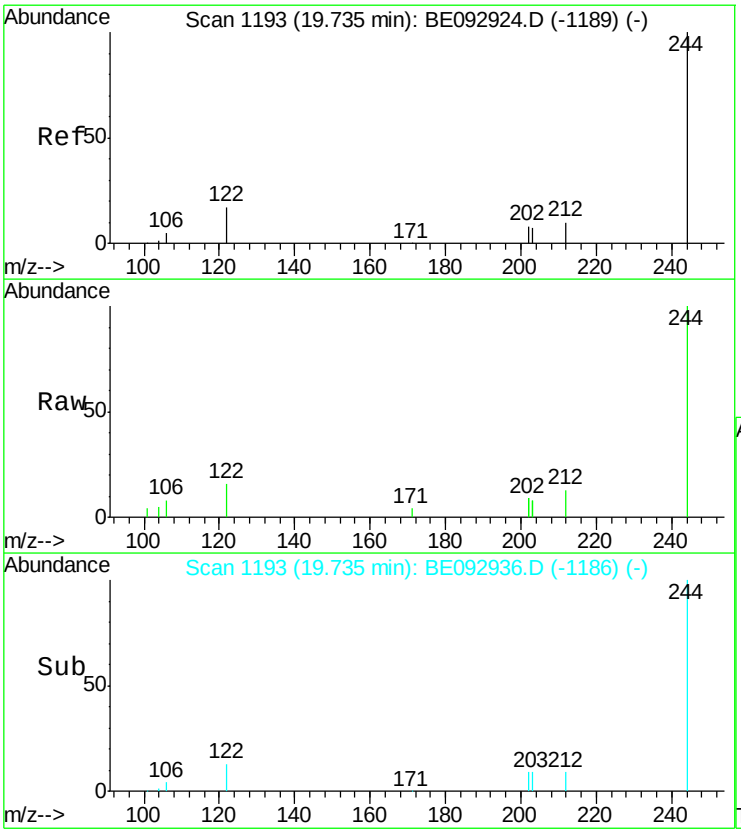
Tgt Ion:202 Resp: 12277

Ion	Ratio	Lower	Upper
202	100		
200	0.0	0.0	0.0
203	18.2	13.5	20.3



Instrument :
BNA_E
ClientSampleId :
PB98667BS

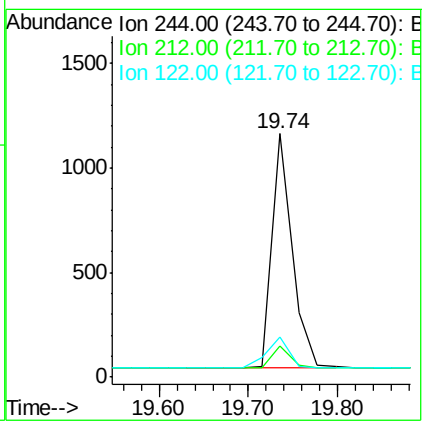
Manual Integrations APPROVED
mohammad
5/8/2017 2:47:04 PM

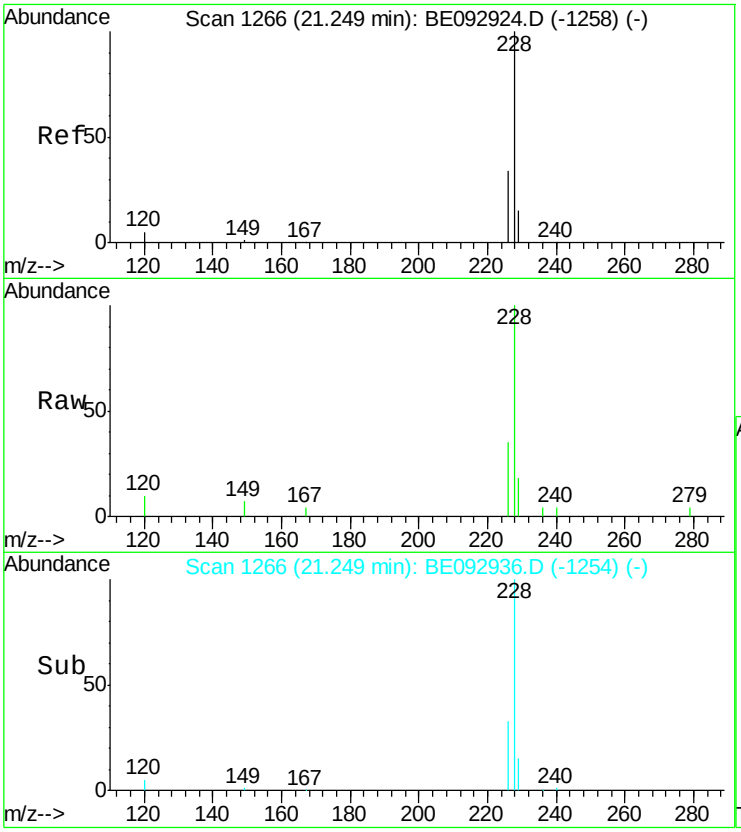


#28
Terphenyl-d14
Concen: 0.37 ng
RT: 19.74 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

Tgt Ion:244 Resp: 1772

Ion	Ratio	Lower	Upper
244	100		
212	12.9	18.4	27.6#
122	16.5	23.3	34.9#

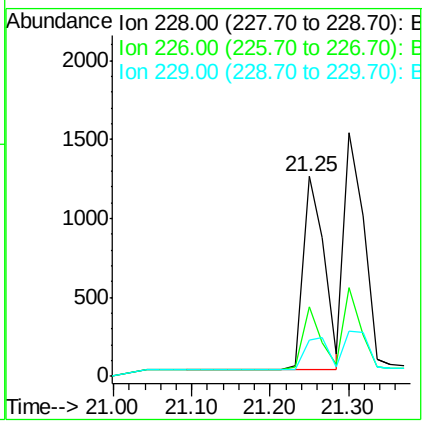




#29
Benzo(a)anthracene
Concen: 0.35 ng
RT: 21.25 min Scan# 1266
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

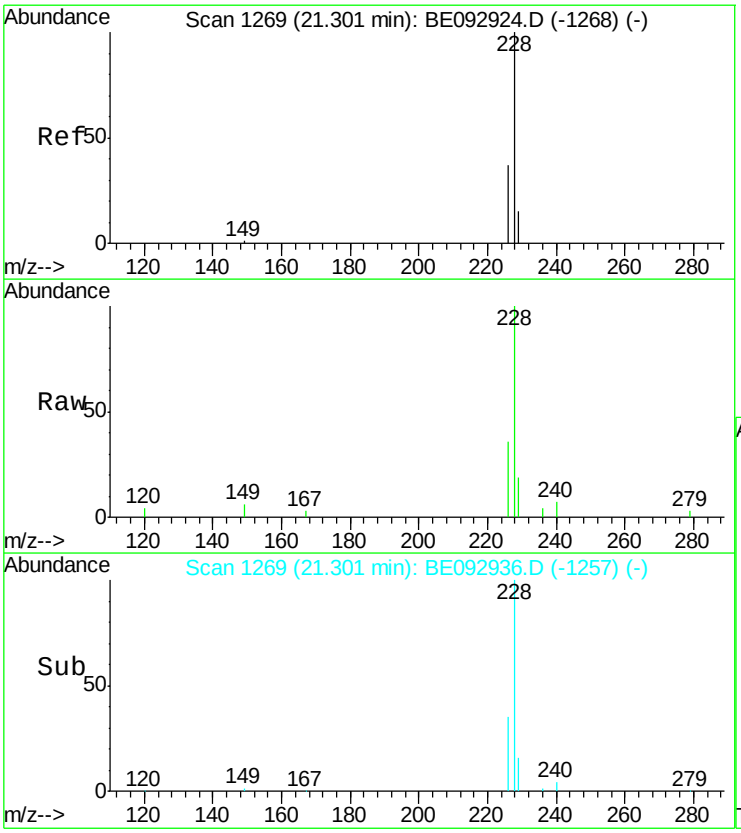
Tgt Ion:228 Resp: 2259

Ion	Ratio	Lower	Upper
228	100		
226	35.0	32.0	48.0
229	18.3	21.4	32.0#



Instrument :
BNA_E
ClientSampleId :
PB98667BS

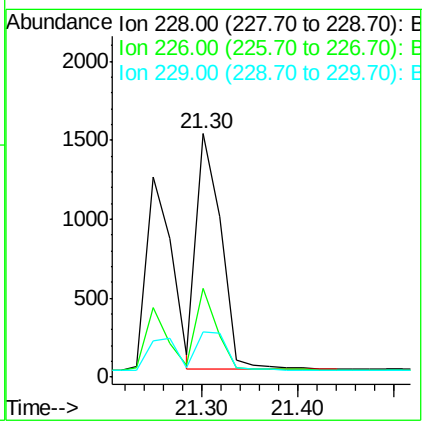
Manual Integrations APPROVED
mohammad
5/8/2017 2:47:04 PM

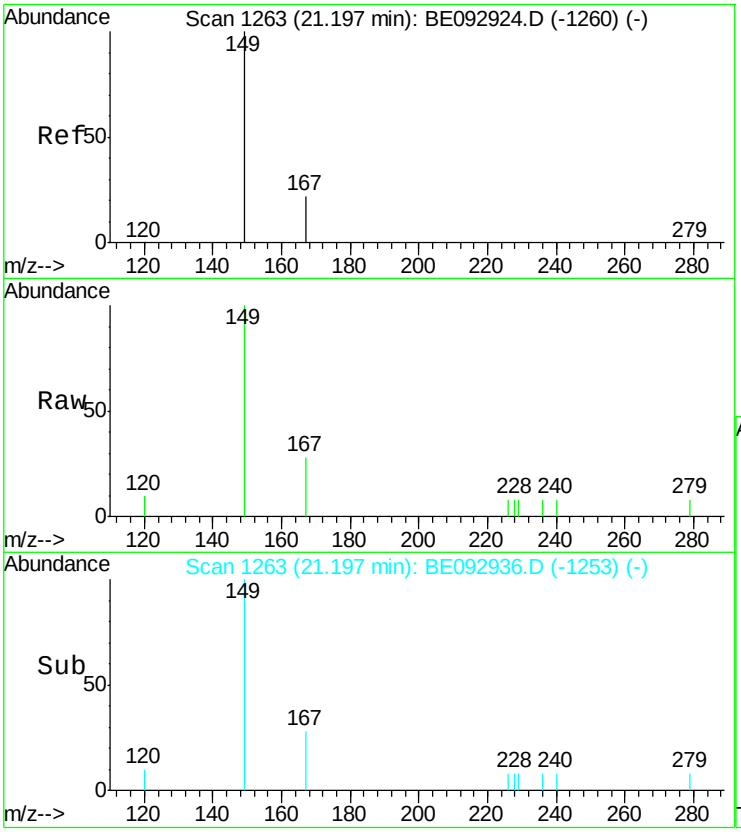


#30
Chrysene
Concen: 0.33 ng
RT: 21.30 min Scan# 1269
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

Tgt Ion:228 Resp: 2671

Ion	Ratio	Lower	Upper
228	100		
226	36.4	34.2	51.2
229	18.5	18.6	28.0#





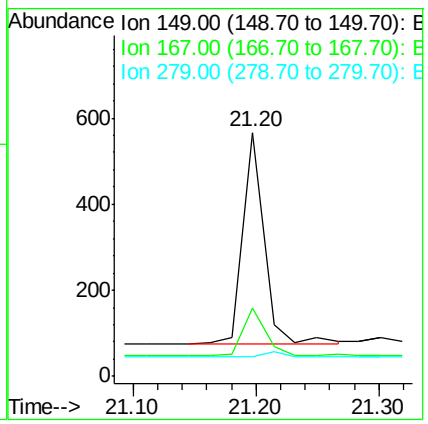
#31
Bis(2-ethylhexyl)phthalate
Concen: 0.34 ng
RT: 21.20 min Scan# 1263
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

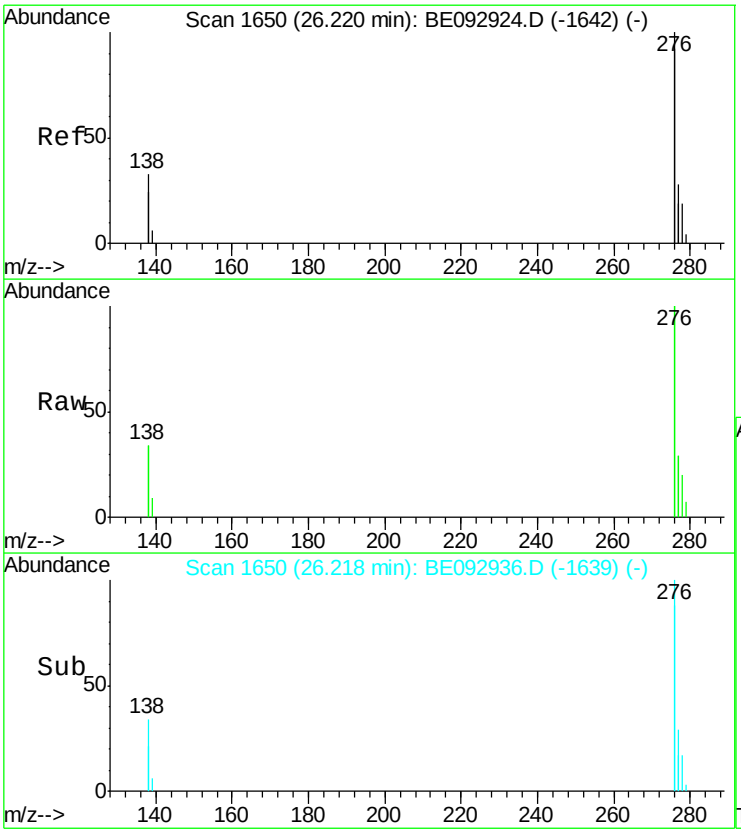
Instrument :
BNA_E
ClientSampleId :
PB98667BS

Manual Integrations APPROVED
mohammad
5/8/2017 2:47:04 PM

Tgt Ion:149 Resp: 598

Ion	Ratio	Lower	Upper
149	100		
167	23.2	20.9	31.3
279	0.0	0.0	0.0

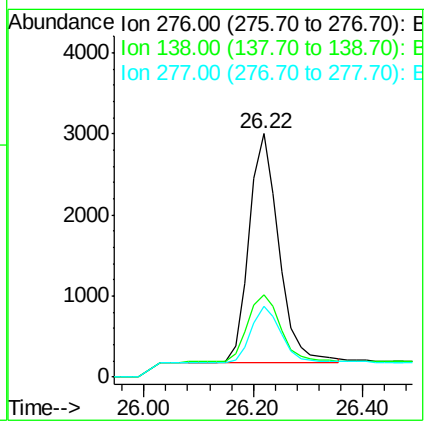


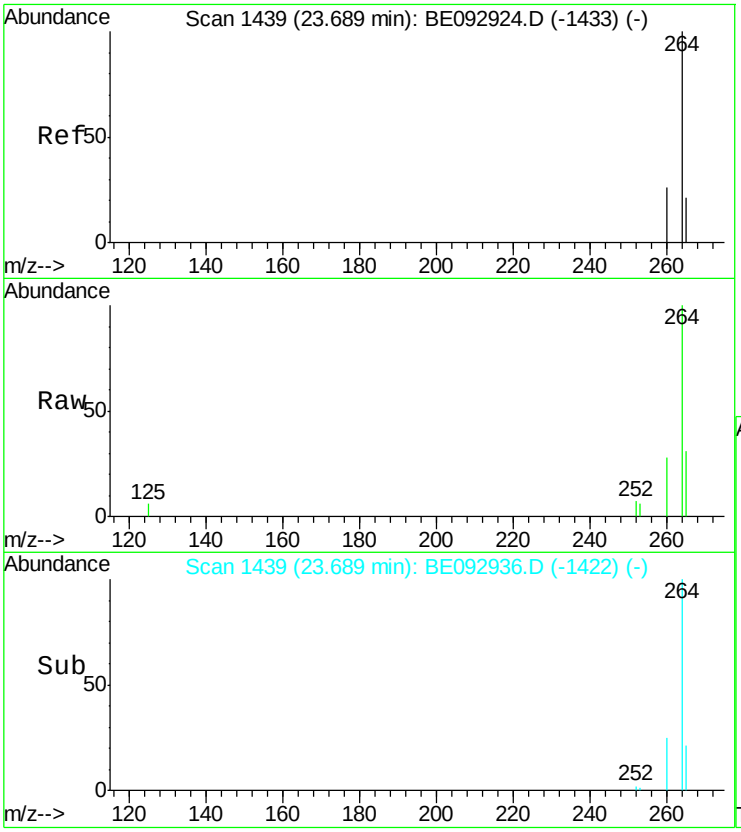


#32
Indeno(1,2,3-cd)pyrene
Concen: 0.36 ng
RT: 26.22 min Scan# 1650
Delta R.T. -0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

Tgt Ion:276 Resp: 10677

Ion	Ratio	Lower	Upper
276	100		
138	32.7	25.8	38.6
277	25.2	20.2	30.4

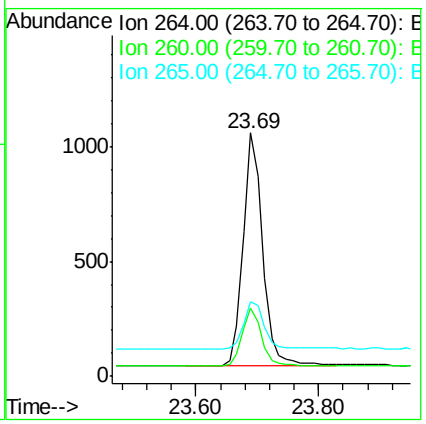




#33
Perylene-d12
Concen: 0.40 ng
RT: 23.69 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

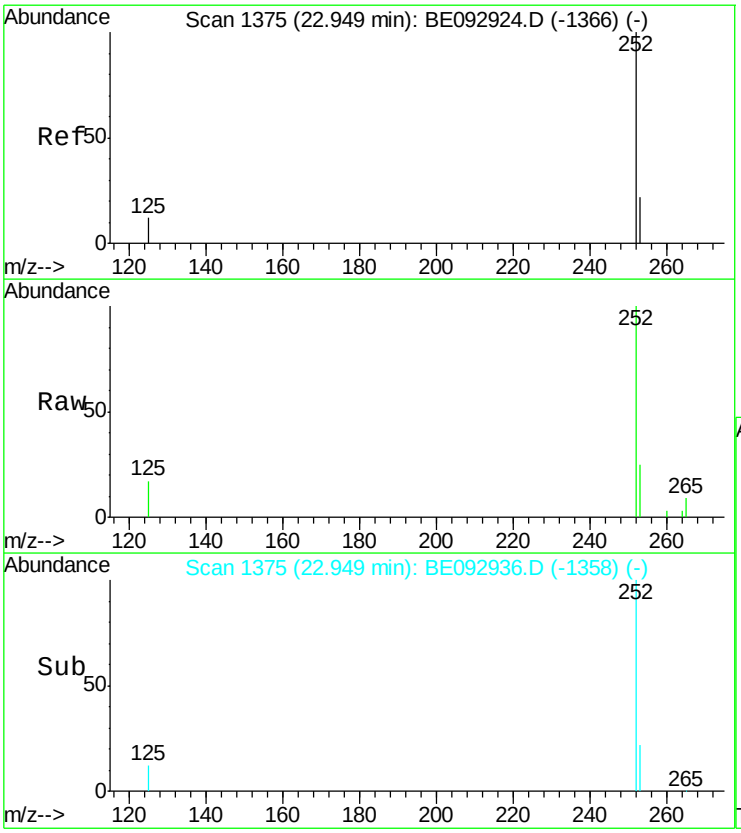
Tgt Ion:264 Resp: 2297

Ion	Ratio	Lower	Upper
264	100		
260	28.1	23.5	35.3
265	30.8	27.2	40.8



Instrument :
BNA_E
ClientSampleId :
PB98667BS

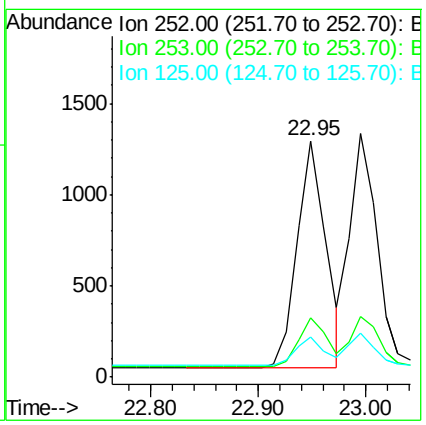
Manual Integrations APPROVED
mohammad
5/8/2017 2:47:04 PM

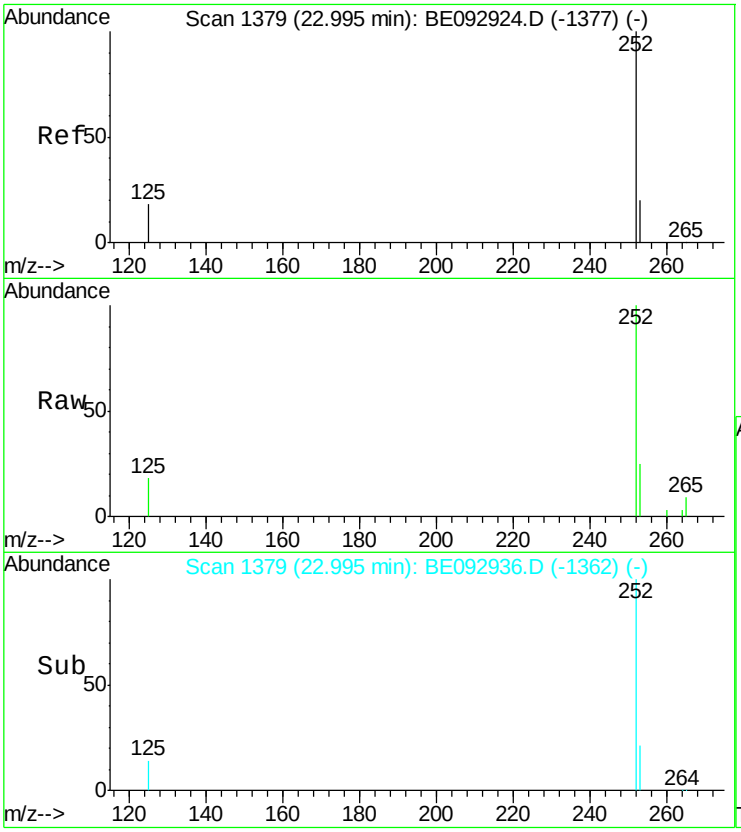


#34
Benzo(b)fluoranthene
Concen: 0.31 ng
RT: 22.95 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

Tgt Ion:252 Resp: 2317

Ion	Ratio	Lower	Upper
252	100		
253	25.1	24.7	37.1
125	16.8	20.3	30.5#





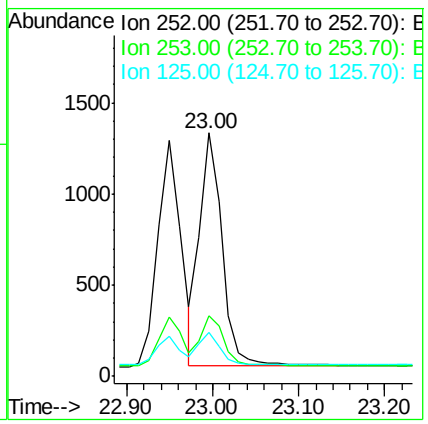
#35
Benzo(k)fluoranthene
Concen: 0.31 ng
RT: 23.00 min Scan# 1379
Delta R.T. 0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

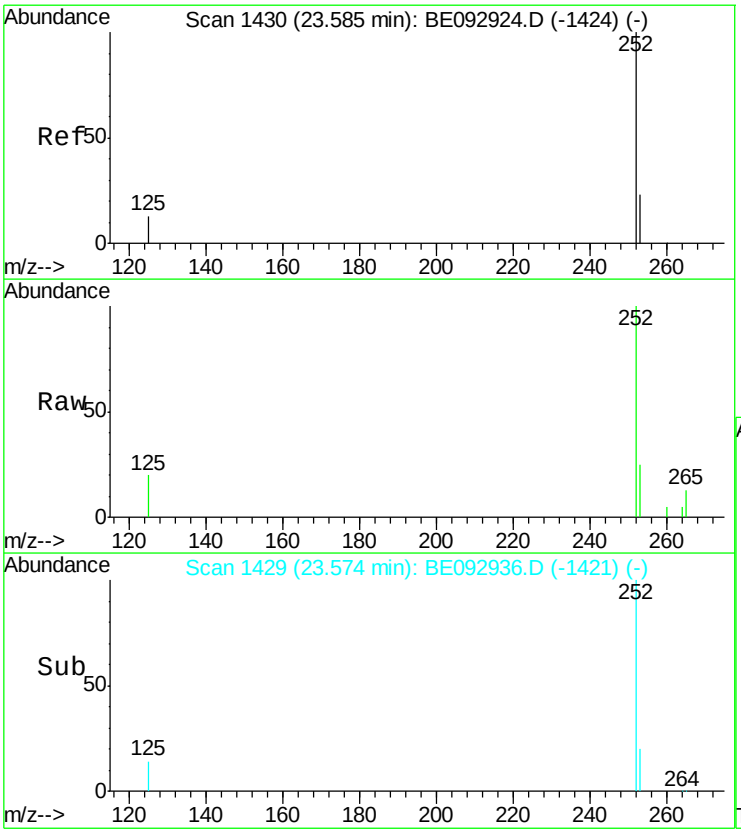
Tgt Ion:252 Resp: 2314

Ion	Ratio	Lower	Upper
252	100		
253	24.6	25.8	38.8#
125	18.0	22.9	34.3#

Instrument :
BNA_E
ClientSampleId :
PB98667BS

Manual Integrations APPROVED
mohammad
5/8/2017 2:47:04 PM

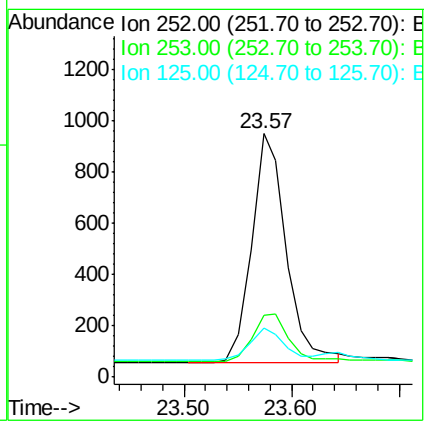


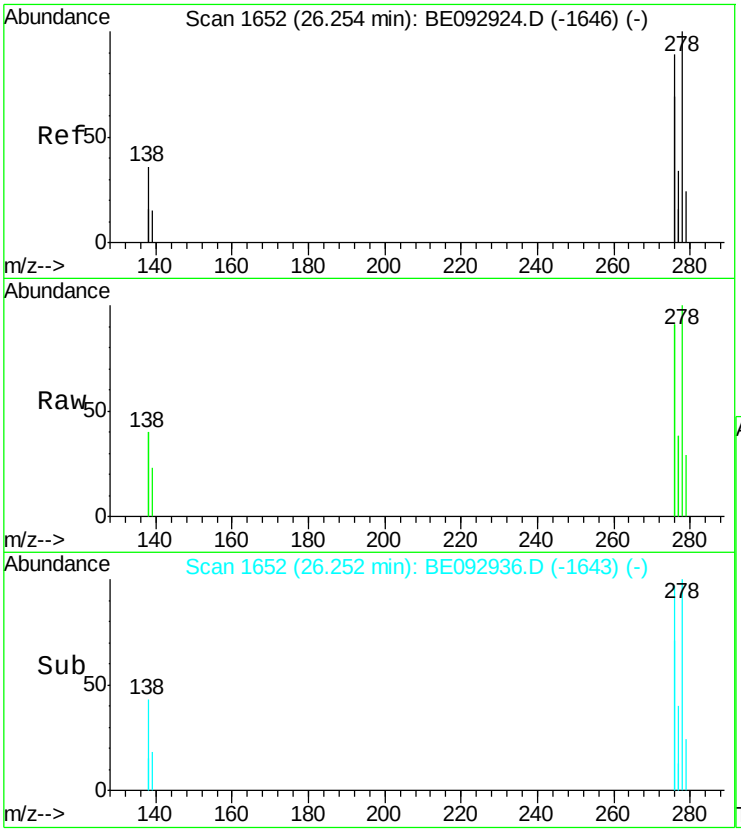


#36
Benzo(a)pyrene
Concen: 0.32 ng
RT: 23.57 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

Tgt Ion:252 Resp: 1995

Ion	Ratio	Lower	Upper
252	100		
253	25.3	31.3	46.9#
125	20.0	26.4	39.6#





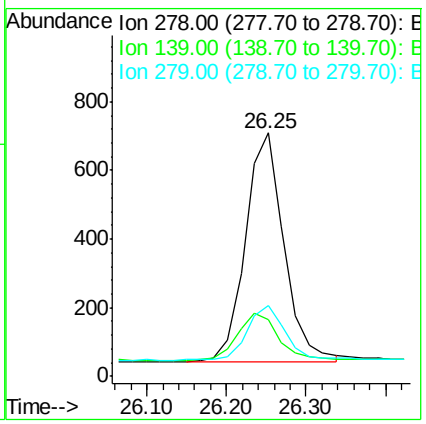
#37
Dibenzo(a,h)anthracene
Concen: 0.32 ng
RT: 26.25 min Scan# 1652
Delta R.T. -0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

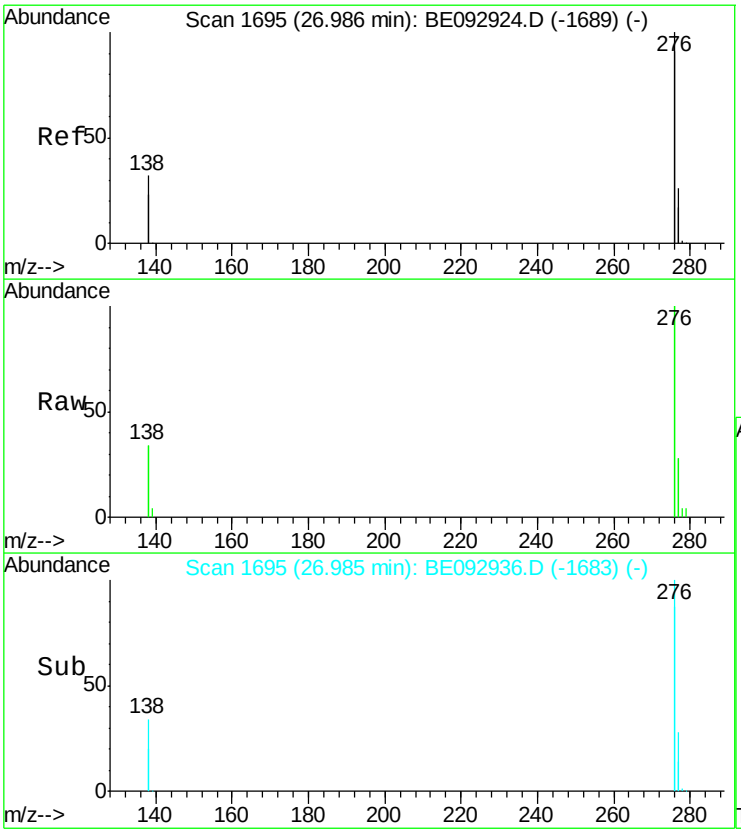
Instrument :
BNA_E
ClientSampleId :
PB98667BS

Manual Integrations APPROVED
mohammad
5/8/2017 2:47:04 PM

Tgt Ion:278 Resp: 2235

Ion	Ratio	Lower	Upper
278	100		
139	23.3	27.4	41.2#
279	29.3	33.3	49.9#





#38
Benzo(g,h,i)perylene
Concen: 0.32 ng
RT: 26.99 min Scan# 1695
Delta R.T. -0.00 min
Lab File: BE092936.D
Acq: 5 May 2017 19:11

Tgt Ion:276 Resp: 9442

Ion	Ratio	Lower	Upper
276	100		
277	27.6	29.9	44.9#
138	33.6	34.6	51.8#