Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110816\
Data File : BE092508.D
Acq On : 8 Nov 2016 14:37
Operator : UM/SJ
Sample : SSTDICC010
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
umangi
11/9/2016 10:58:51 AM

Quant Time: Nov 08 15:28:57 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE110816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 08 12:48:28 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	8479	5.00	ng		-0.02
7) Naphthalene-d8	10.93	136	44318	5.00	ng		0.00
12) Acenaphthene-d10	14.80	164	32579	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	68973	5.00	ng		0.00
24) Chrysene-d12	21.72	240	97426	5.00	ng		0.00
31) Perylene-d12	24.09	264	82920	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.65	112	21163	16.47	ng		-0.01
5) Phenol-d6	7.31	99	32491	18.07	ng		-0.02
8) Nitrobenzene-d5	9.32	82	35234	14.15	ng		-0.02
13) 2,4,6-Tribromophenol	16.28	330	11942	18.69	ng		-0.02
14) 2-Fluorobiphenyl	13.42	172	80088	10.09	ng		-0.01
26) Terphenyl-d14	20.16	244	119687	9.93	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.39	88	9773	8.81	ng		94
3) n-Nitrosodimethylamine	3.73	42	15333	15.07	ng		99
6) bis(2-Chloroethyl)ether	7.57	93	28455	13.41	ng		88
9) Naphthalene	10.97	128	91569	9.56	ng	#	95
10) Hexachlorobutadiene	11.26	225	13558	9.23	ng		99
11) 2-Methylnaphthalene	12.60	142	63739	10.30	ng		95
15) Acenaphthylene	14.51	152	487044	10.46	ng		100
16) Acenaphthene	14.87	154	70914	9.54	ng		94
17) Fluorene	15.84	166	95005	10.68	ng		99
19) Hexachlorobenzene	16.87	284	28562	9.25	ng	#	66
21) Phenanthrene	17.58	178	153462	8.61	ng	#	94
22) Anthracene	17.67	178	161993	10.10	ng		98
23) Fluoranthene	19.59	202	759054	10.74	ng		99
25) Pyrene	19.95	202	822476	9.69	ng		99
27) Benzo(a)anthracene	21.70	228	955721m	10.60	ng		
28) Chrysene	21.75	228	768422m	8.11	ng		
29) Bis(2-ethylhexyl)phthalate	21.61	149	87179	11.62	ng	#	56
30) Indeno(1,2,3-cd)pyrene	26.56	276	952622	11.41	ng		98
32) Benzo(b)fluoranthene	23.35	252	207545	10.05	ng		95
33) Benzo(k)fluoranthene	23.39	252	219223	10.71	ng		93
34) Benzo(a)pyrene	23.97	252	203734	10.90	ng	#	94
35) Dibenzo(a,h)anthracene	26.58	278	197780	11.33	ng	#	94
36) Benzo(g,h,i)perylene	27.31	276	811870	10.78	ng		98

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

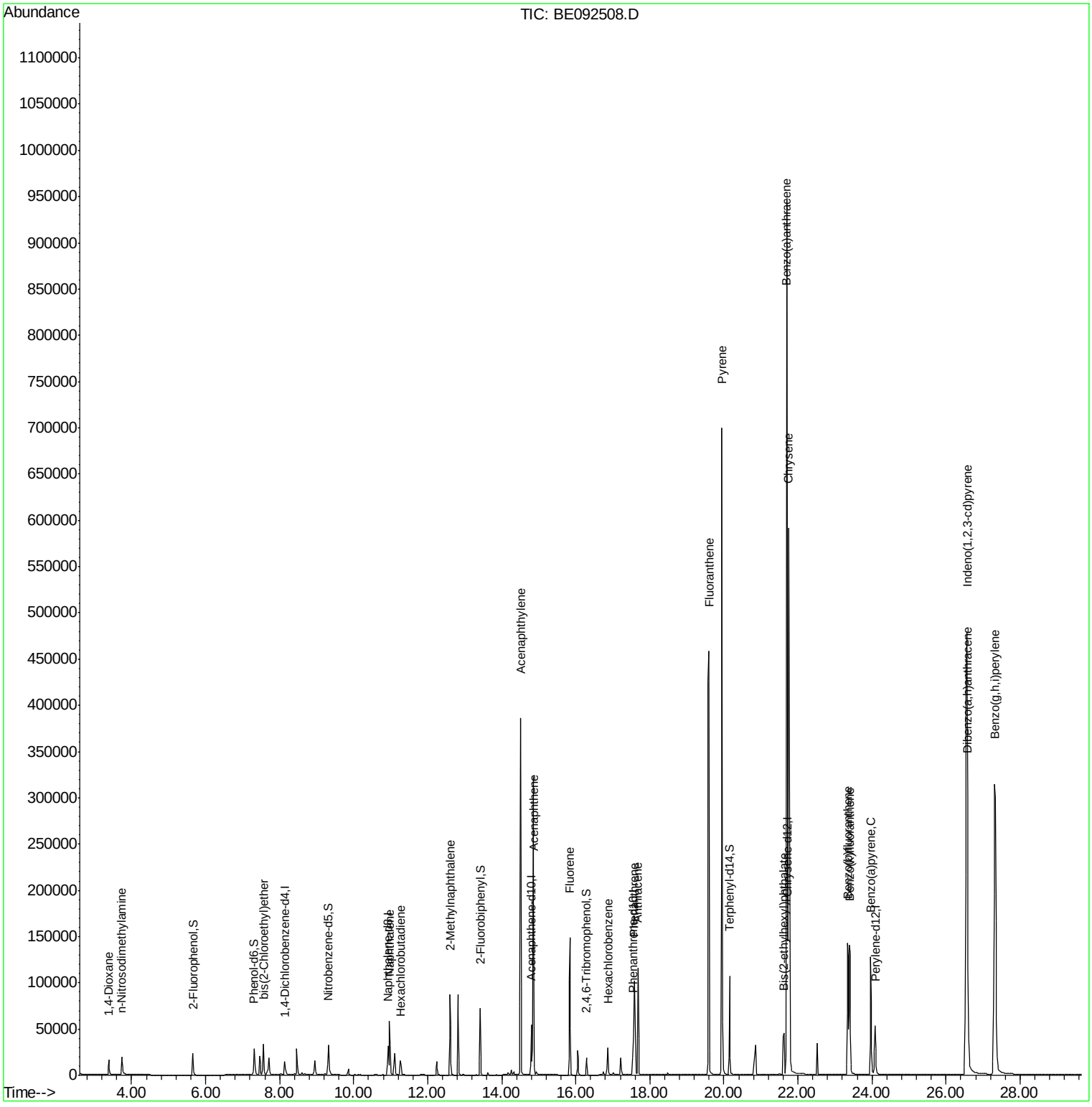
Quantitation Report (QT Reviewed)

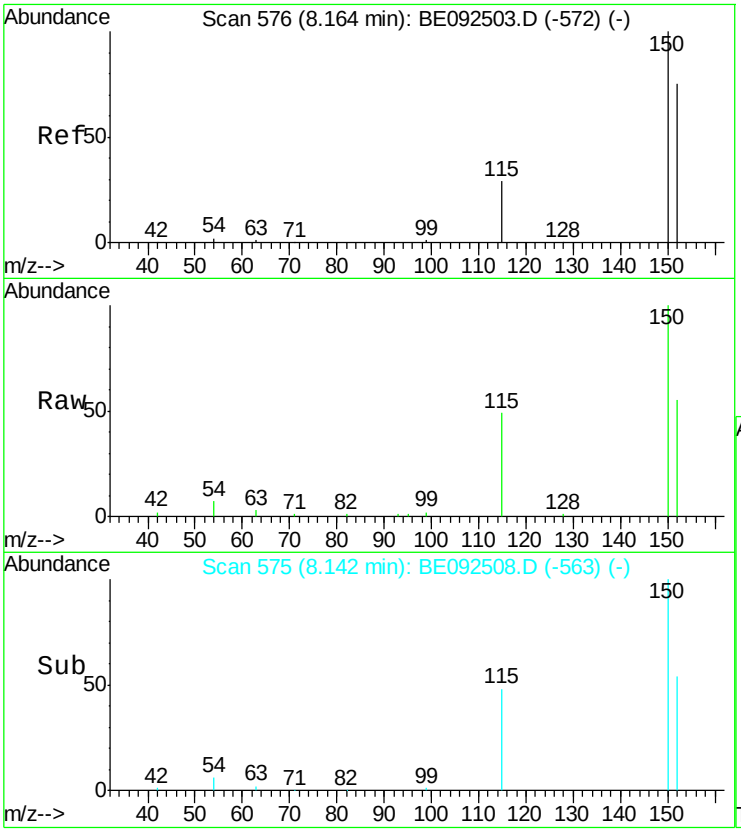
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110816\
Data File : BE092508.D
Acq On : 8 Nov 2016 14:37
Operator : UM/SJ
Sample : SSTDICC010
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 08 15:28:57 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE110816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 08 12:48:28 2016
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
umangi
11/9/2016 10:58:51 AM

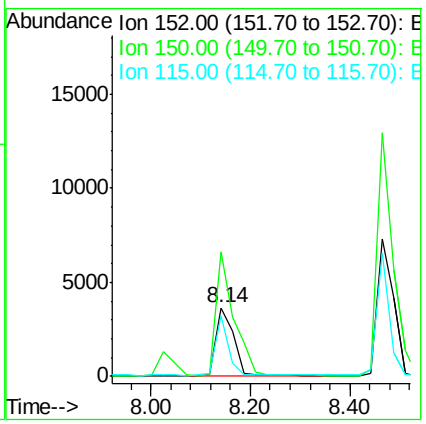




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.14 min Scan# 575
Delta R.T. -0.02 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

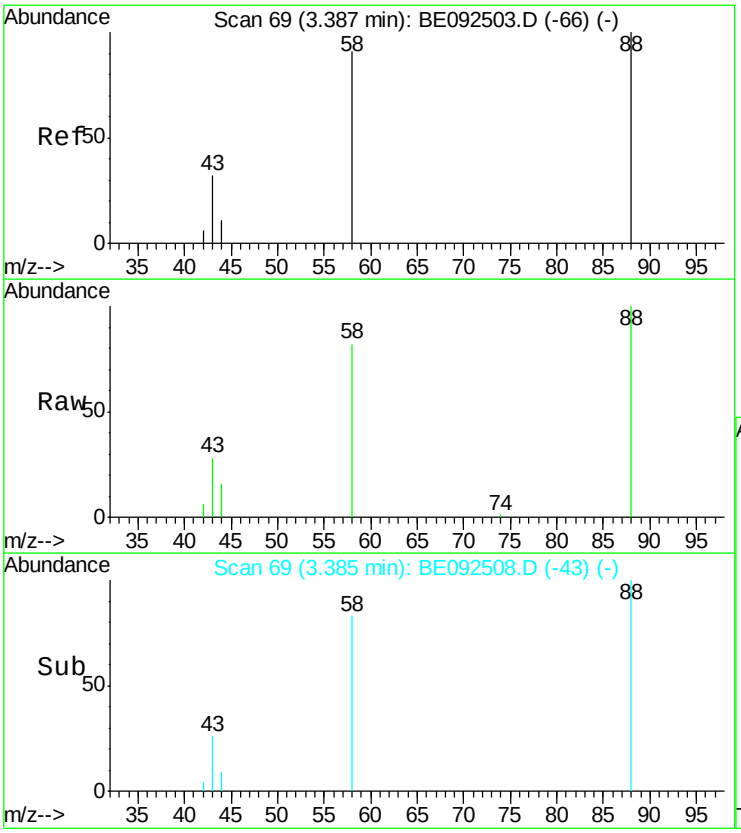
Tgt Ion:152 Resp: 8479

Ion	Ratio	Lower	Upper
152	100		
150	183.0	106.0	159.0#
115	89.5	31.2	46.8#



Instrument :
BNA_E
ClientSampleId :
SSTDICC010

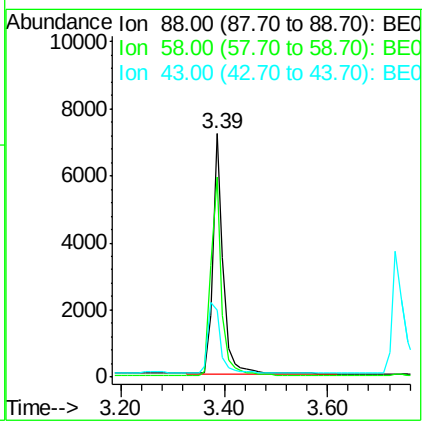
Manual Integrations APPROVED
umangi
11/9/2016 10:58:51 AM

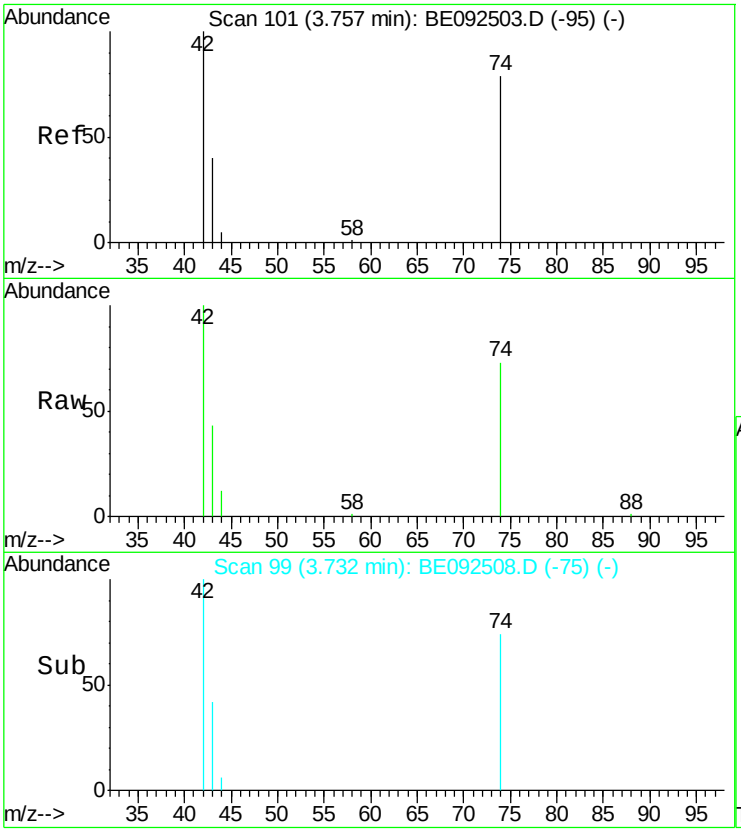


#2
1,4-Dioxane
Concen: 8.81 ng
RT: 3.39 min Scan# 69
Delta R.T. -0.00 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

Tgt Ion: 88 Resp: 9773

Ion	Ratio	Lower	Upper
88	100		
58	86.6	63.6	95.4
43	35.5	28.0	42.0

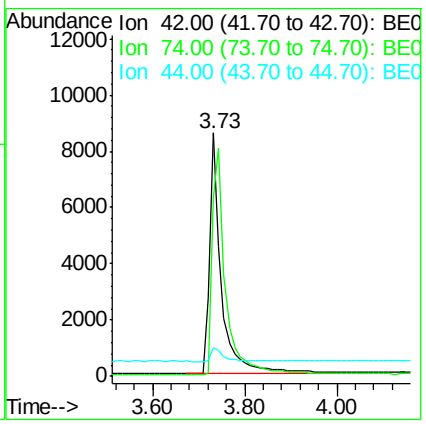




#3
n-Nitrosodimethylamine
Concen: 15.07 ng
RT: 3.73 min Scan# 99
Delta R.T. -0.03 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

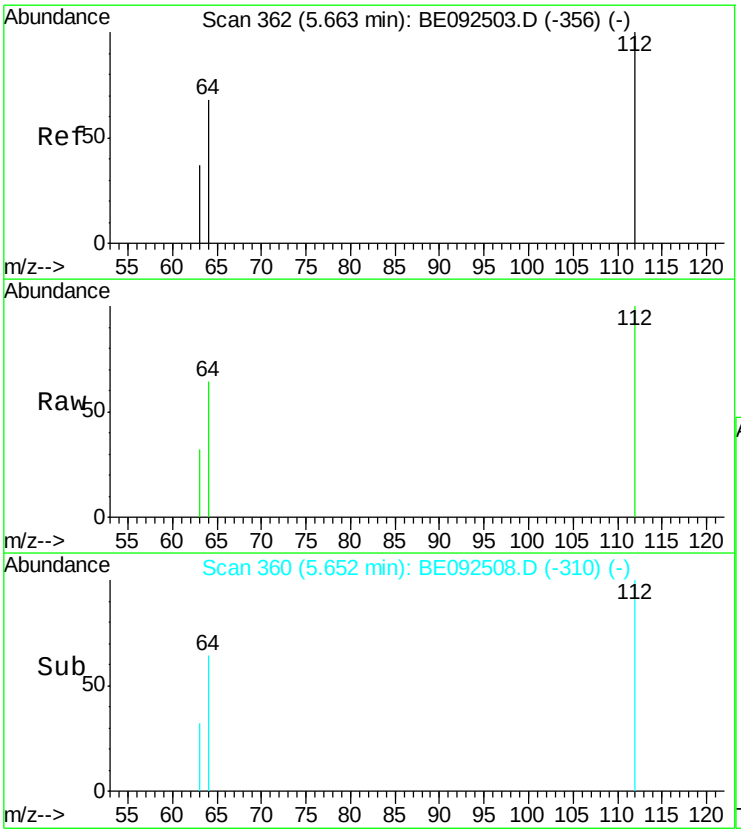
Tgt Ion: 42 Resp: 15333

Ion	Ratio	Lower	Upper
42	100		
74	109.1	86.0	129.0
44	6.4	5.1	7.7



Instrument :
BNA_E
ClientSampleId :
SSTDICC010

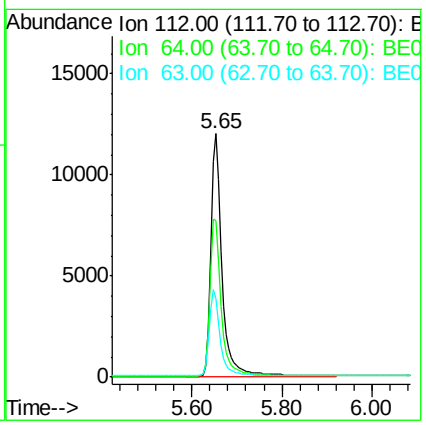
Manual Integrations APPROVED
umangi
11/9/2016 10:58:51 AM

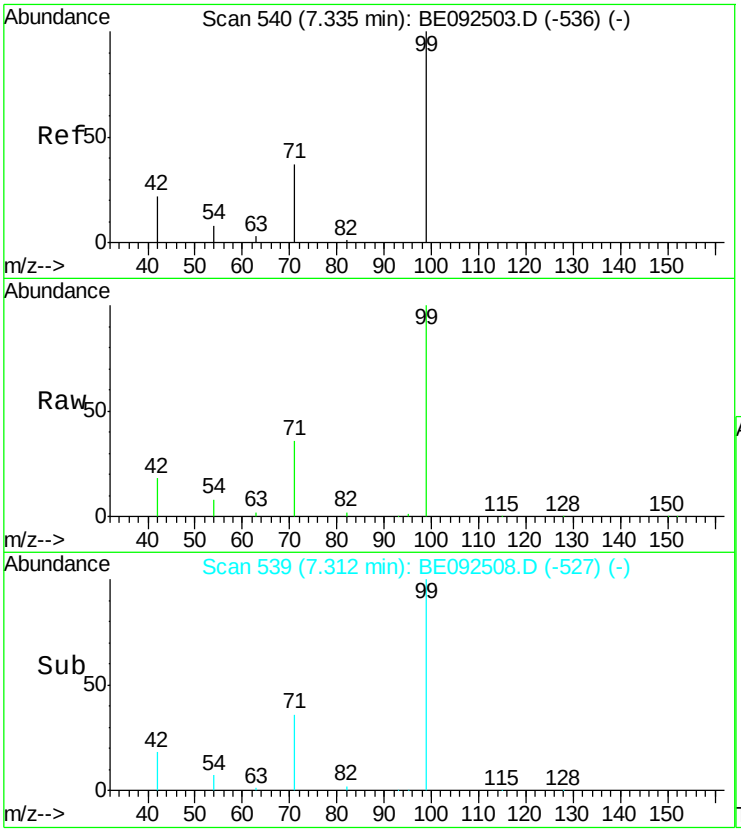


#4
2-Fluorophenol
Concen: 16.47 ng
RT: 5.65 min Scan# 360
Delta R.T. -0.01 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

Tgt Ion:112 Resp: 21163

Ion	Ratio	Lower	Upper
112	100		
64	67.1	53.5	80.3
63	35.7	27.9	41.9

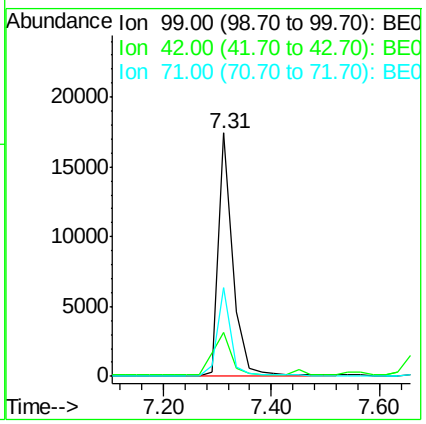




#5
Phenol-d6
Concen: 18.07 ng
RT: 7.31 min Scan# 539
Delta R.T. -0.02 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

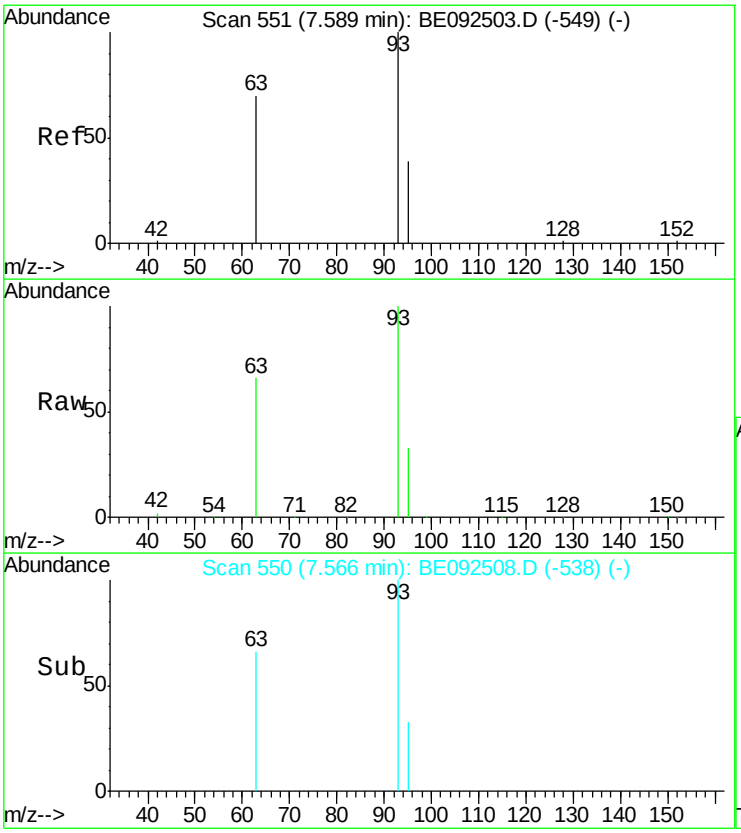
Tgt Ion: 99 Resp: 32491

Ion	Ratio	Lower	Upper
99	100		
42	22.7	16.0	24.0
71	34.3	30.6	45.8



Instrument :
BNA_E
ClientSampleId :
SSTDICC010

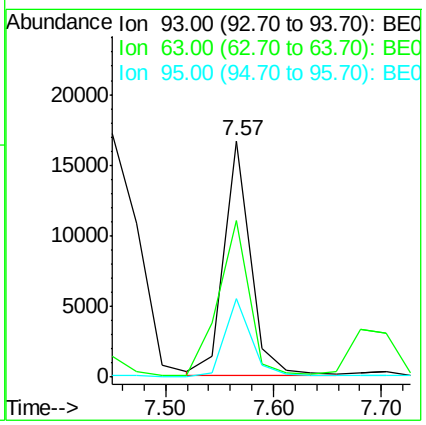
Manual Integrations APPROVED
umangi
11/9/2016 10:58:51 AM

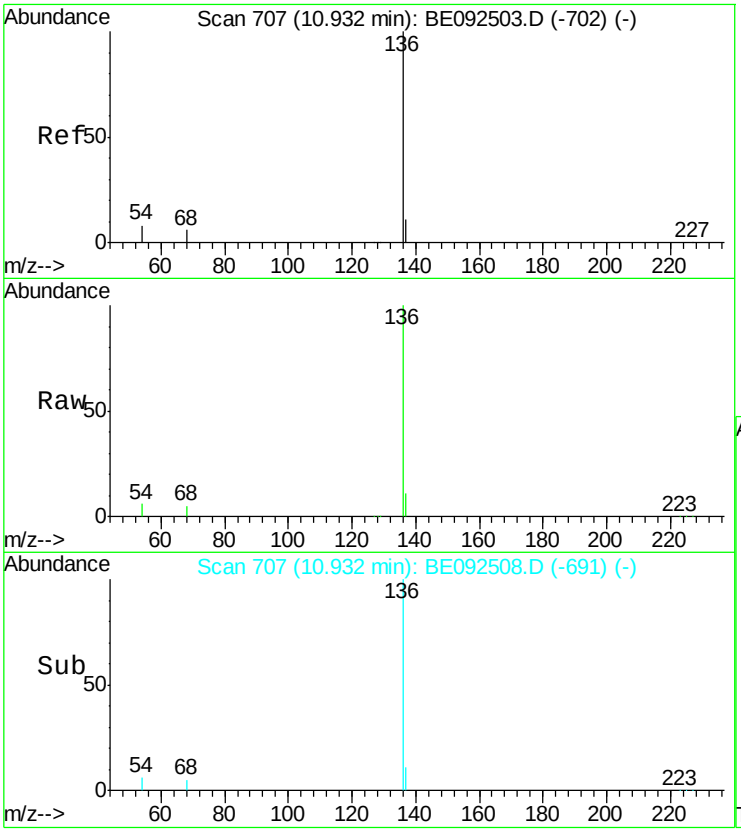


#6
bis(2-Chloroethyl)ether
Concen: 13.41 ng
RT: 7.57 min Scan# 550
Delta R.T. -0.02 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

Tgt Ion: 93 Resp: 28455

Ion	Ratio	Lower	Upper
93	100		
63	76.7	71.6	107.4
95	33.1	24.0	36.0

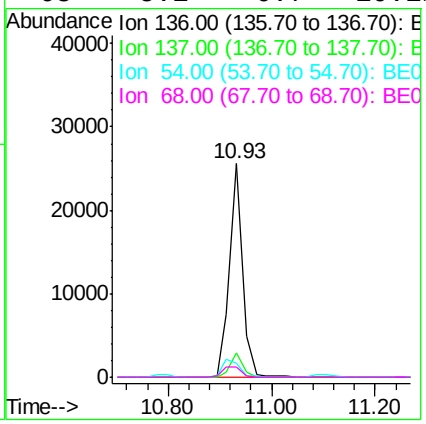




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.93 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

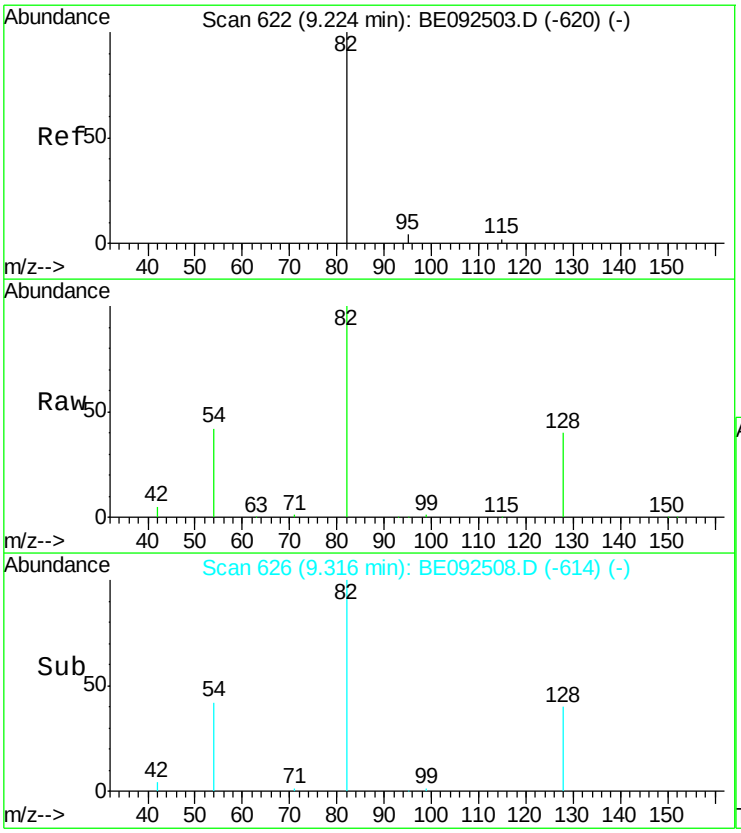
Tgt Ion:136 Resp: 44318

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.2	12.4
54	6.4	9.6	14.4#
68	5.1	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
SSTDICC010

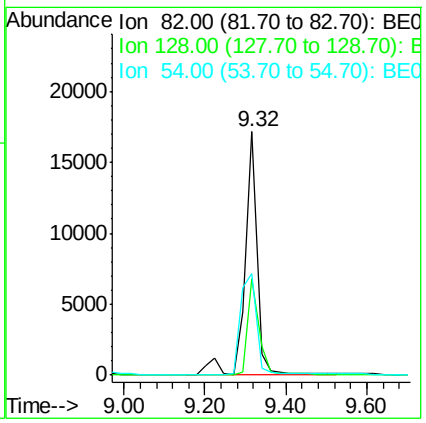
Manual Integrations APPROVED
umangi
11/9/2016 10:58:51 AM

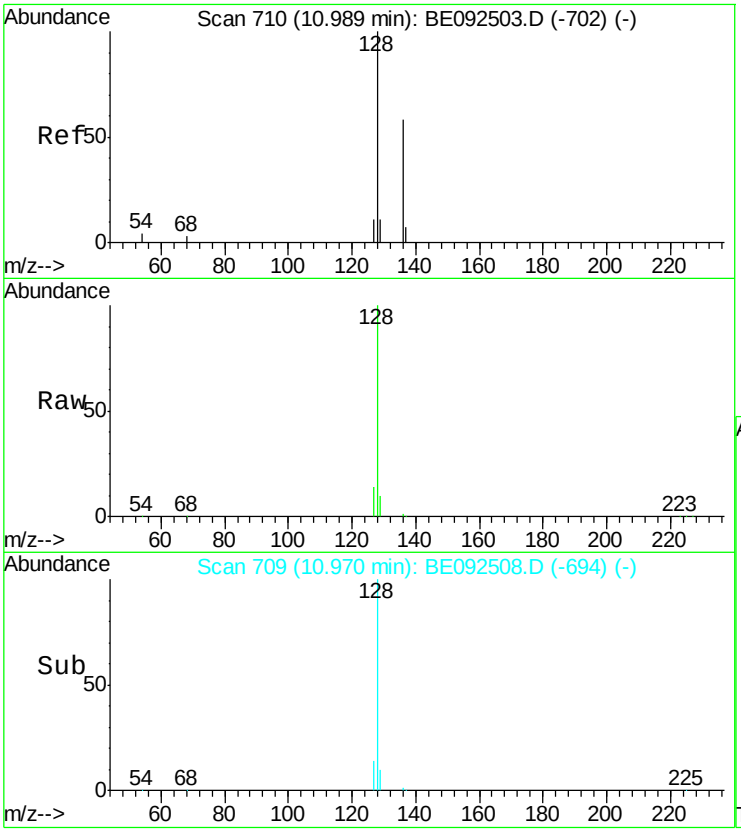


#8
Nitrobenzene-d5
Concen: 14.15 ng
RT: 9.32 min Scan# 626
Delta R.T. -0.02 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

Tgt Ion: 82 Resp: 35234

Ion	Ratio	Lower	Upper
82	100		
128	39.8	39.0	58.4
54	41.9	44.8	67.2#

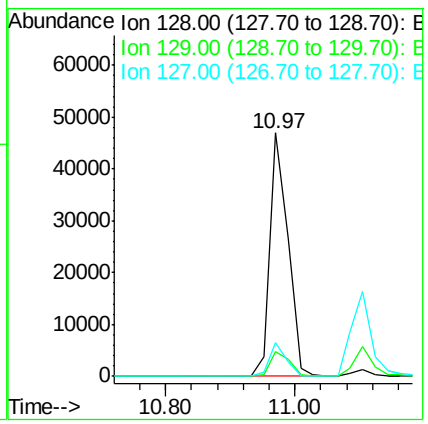




#9
Naphthalene
Concen: 9.56 ng
RT: 10.97 min Scan# 709
Delta R.T. -0.02 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

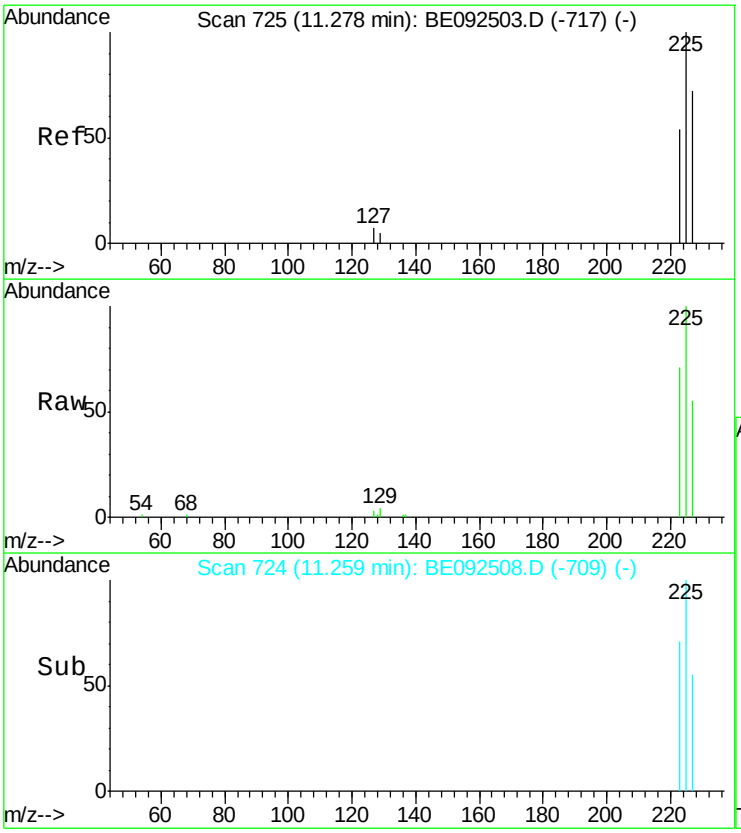
Tgt Ion:128 Resp: 91569

Ion	Ratio	Lower	Upper
128	100		
129	10.3	11.2	16.8#
127	14.0	11.6	17.4



Instrument :
BNA_E
ClientSampleId :
SSTDICC010

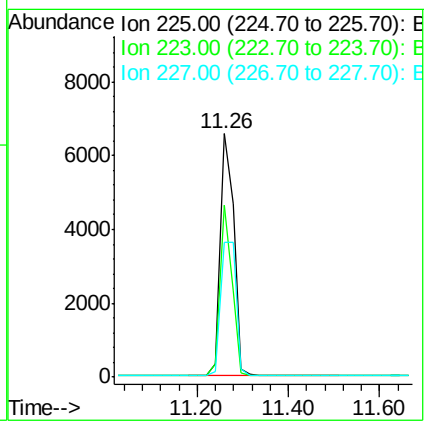
Manual Integrations APPROVED
umangi
11/9/2016 10:58:51 AM

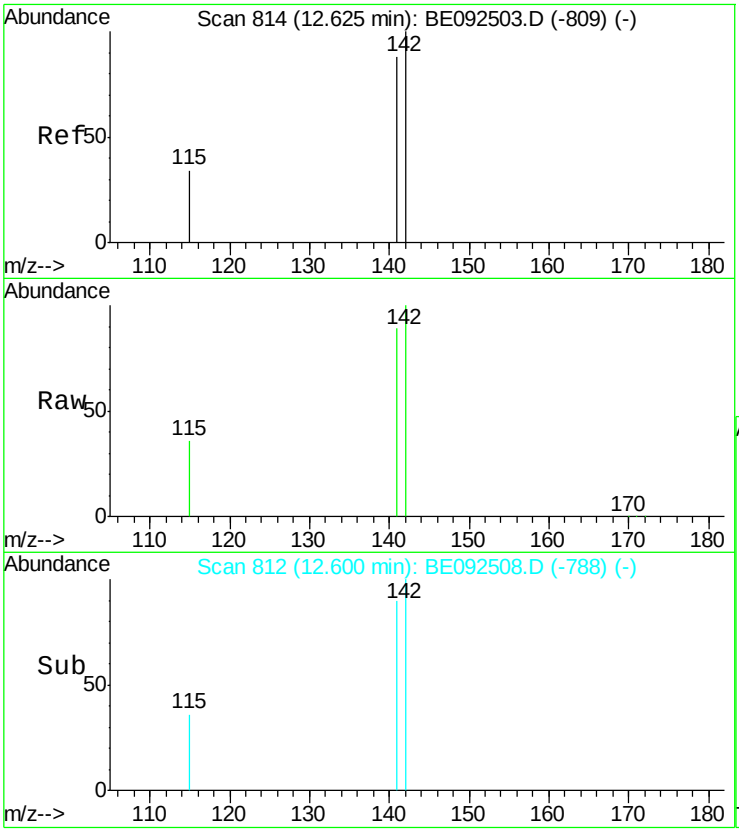


#10
Hexachlorobutadiene
Concen: 9.23 ng
RT: 11.26 min Scan# 724
Delta R.T. -0.02 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

Tgt Ion:225 Resp: 13558

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.6	76.0
227	64.0	51.4	77.0

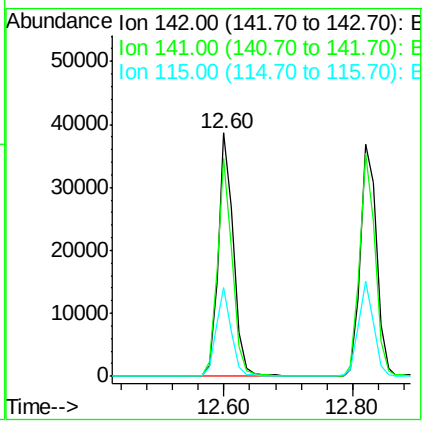




#11
2-Methylnaphthalene
Concen: 10.30 ng
RT: 12.60 min Scan# 812
Delta R.T. -0.02 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

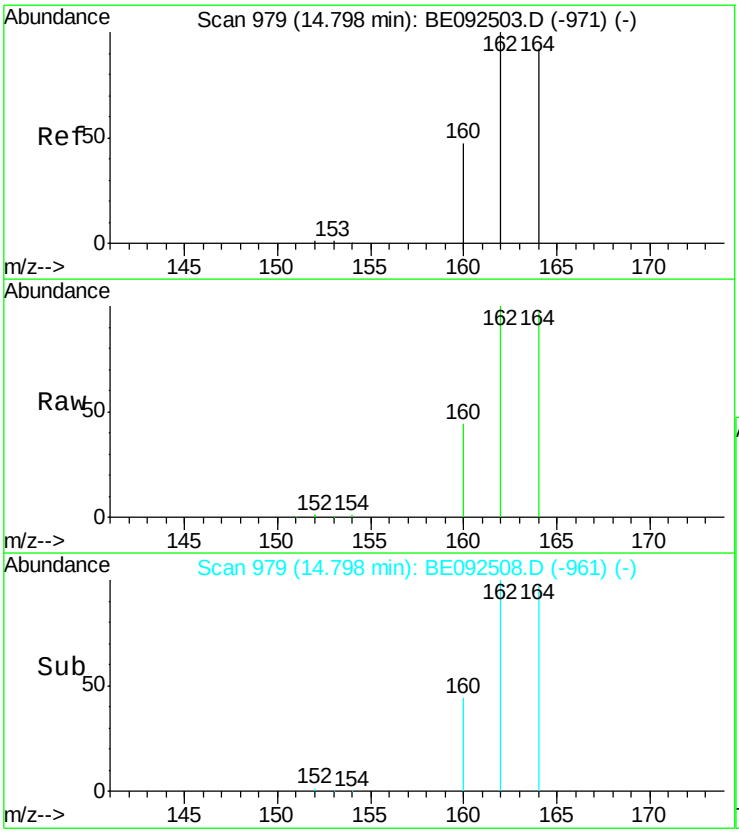
Tgt Ion:142 Resp: 63739

Ion	Ratio	Lower	Upper
142	100		
141	89.3	73.7	110.5
115	36.2	34.0	51.0



Instrument :
BNA_E
ClientSampleId :
SSTDICC010

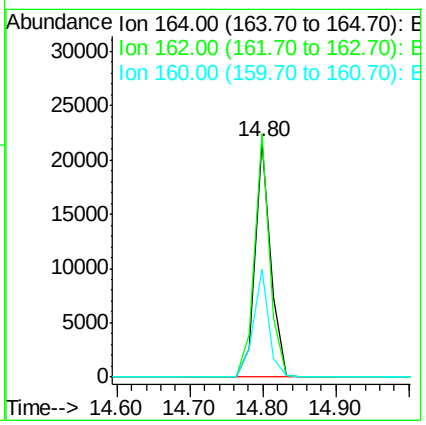
Manual Integrations APPROVED
umangi
11/9/2016 10:58:51 AM

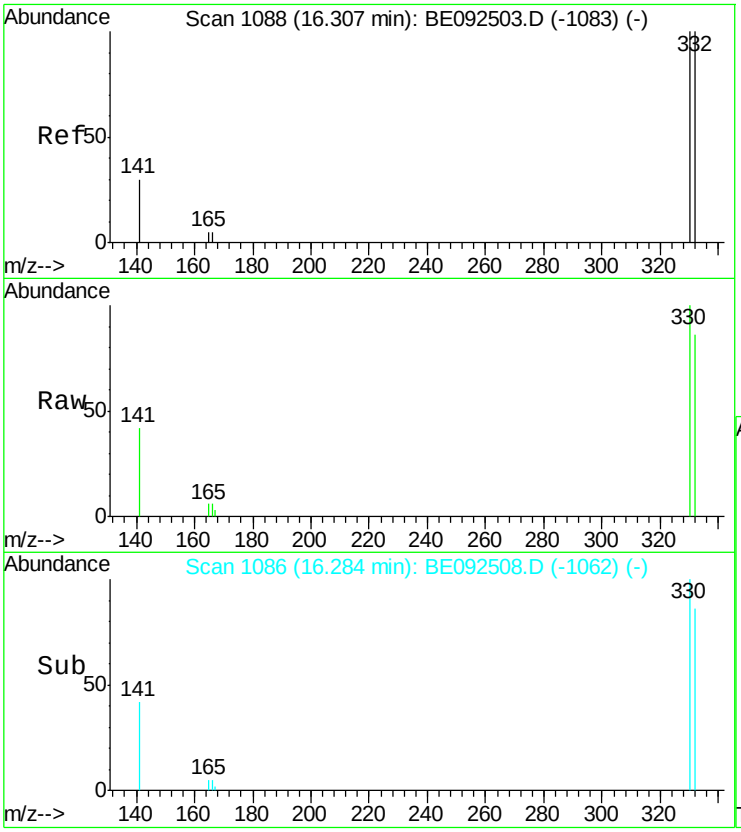


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 979
Delta R.T. -0.00 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

Tgt Ion:164 Resp: 32579

Ion	Ratio	Lower	Upper
164	100		
162	103.3	71.4	107.0
160	45.7	27.4	41.2#

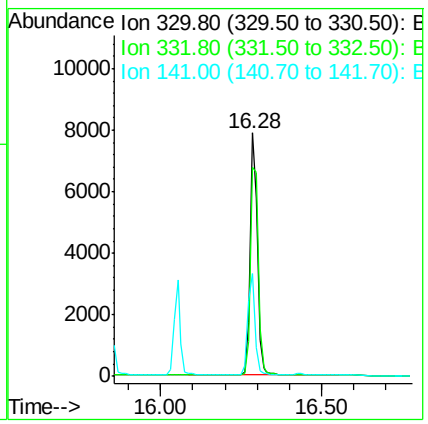




#13
2,4,6-Tribromophenol
Concen: 18.69 ng
RT: 16.28 min Scan# 1086
Delta R.T. -0.02 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

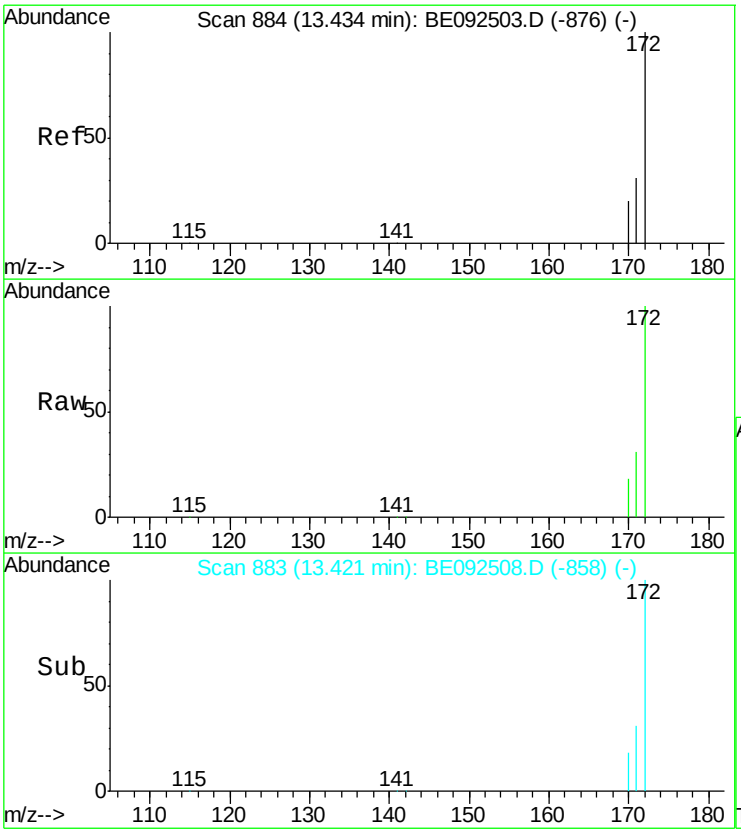
Tgt Ion:330 Resp: 11942

Ion	Ratio	Lower	Upper
330	100		
332	96.7	75.4	113.0
141	41.7	31.0	46.6



Instrument :
BNA_E
ClientSampleId :
SSTDICC010

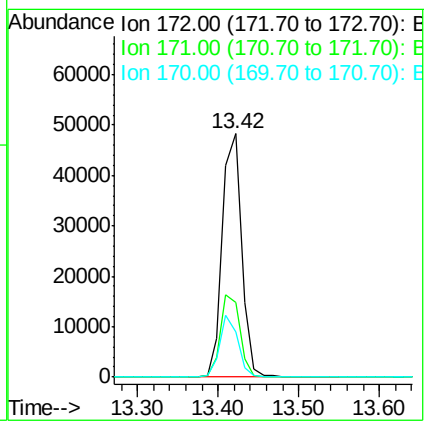
Manual Integrations APPROVED
umangi
11/9/2016 10:58:51 AM

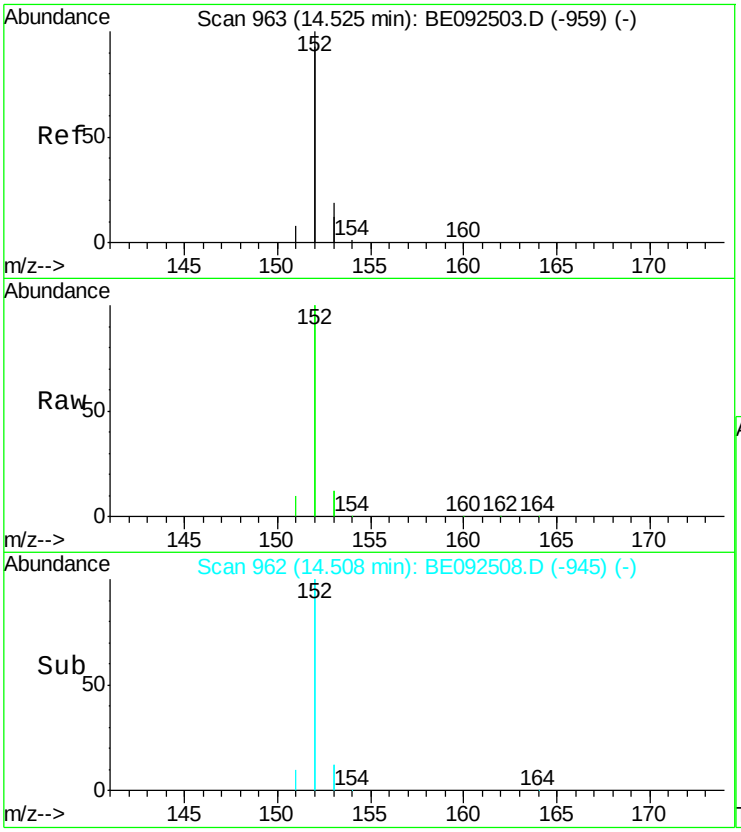


#14
2-Fluorobiphenyl
Concen: 10.09 ng
RT: 13.42 min Scan# 883
Delta R.T. -0.01 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

Tgt Ion:172 Resp: 80088

Ion	Ratio	Lower	Upper
172	100		
171	30.6	30.1	45.1
170	18.5	21.8	32.6#

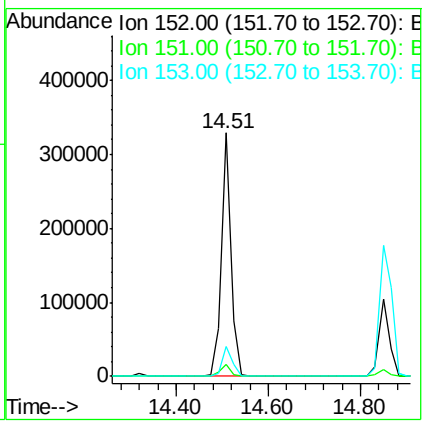




#15
Acenaphthylene
Concen: 10.46 ng
RT: 14.51 min Scan# 962
Delta R.T. -0.02 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

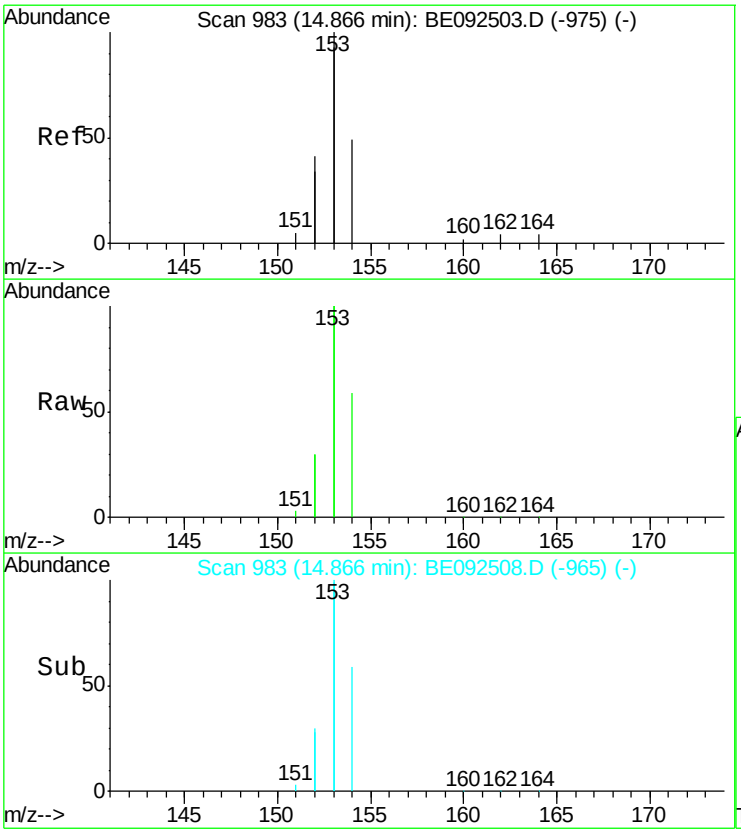
Tgt Ion:152 Resp: 487044

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.0	10.4	15.6



Instrument :
BNA_E
ClientSampleId :
SSTDICC010

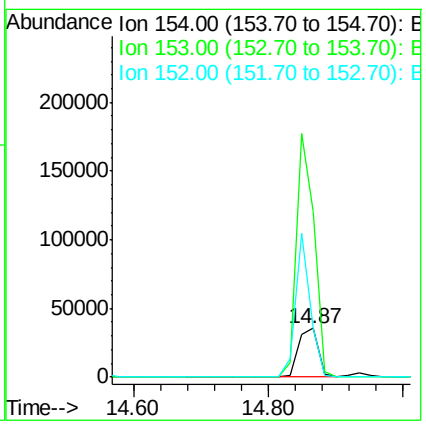
Manual Integrations APPROVED
umangi
11/9/2016 10:58:51 AM

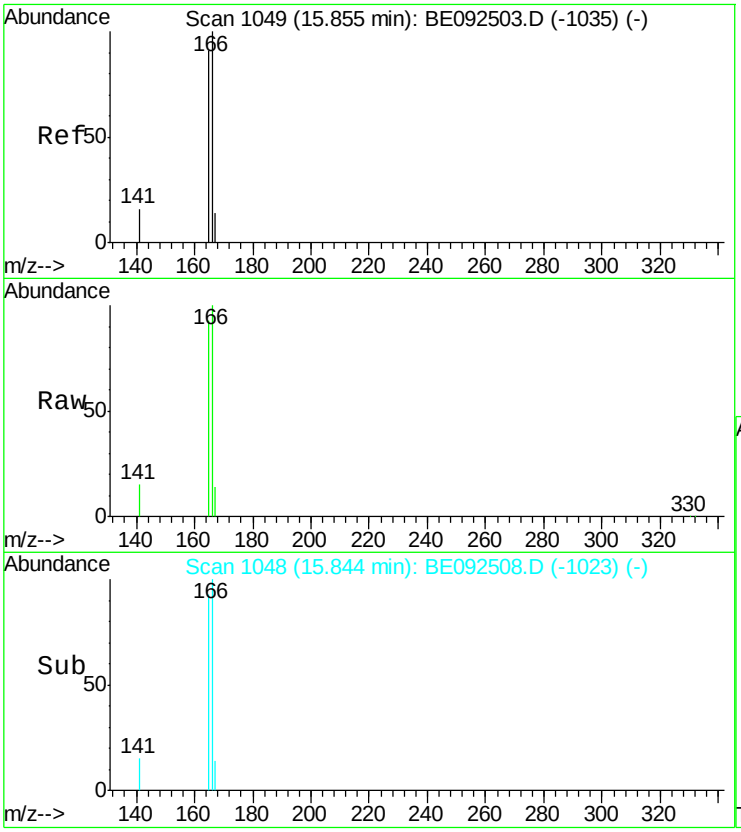


#16
Acenaphthene
Concen: 9.54 ng
RT: 14.87 min Scan# 983
Delta R.T. -0.00 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

Tgt Ion:154 Resp: 70914

Ion	Ratio	Lower	Upper
154	100		
153	452.2	350.8	526.2
152	223.3	171.1	256.7





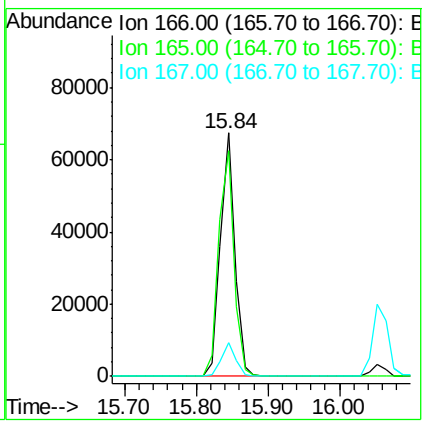
#17
Fluorene
Concen: 10.68 ng
RT: 15.84 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

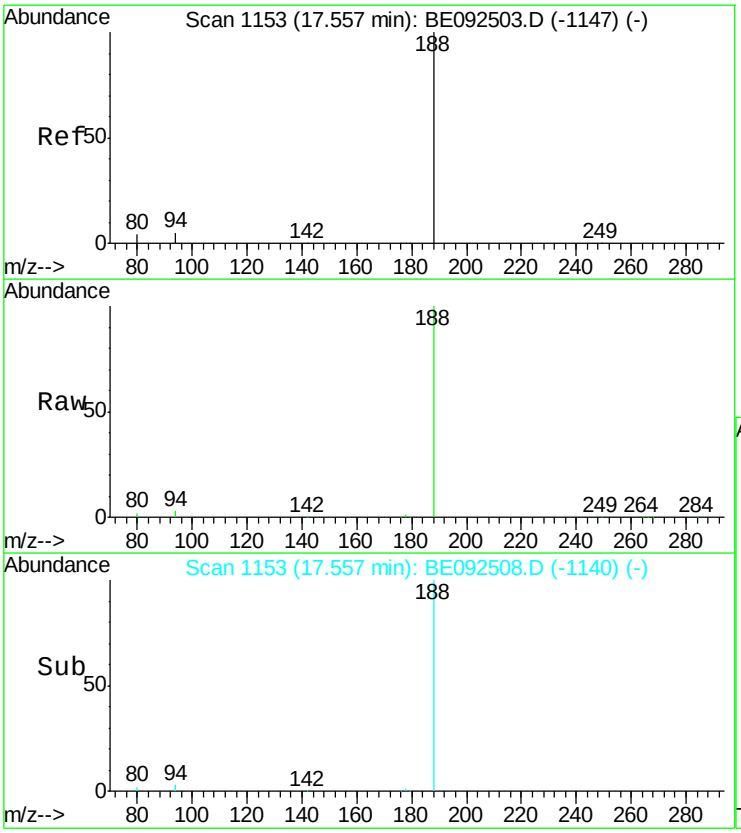
Tgt Ion:166 Resp: 95005

Ion	Ratio	Lower	Upper
166	100		
165	97.1	78.2	117.4
167	13.5	11.0	16.4

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
umangi
11/9/2016 10:58:51 AM

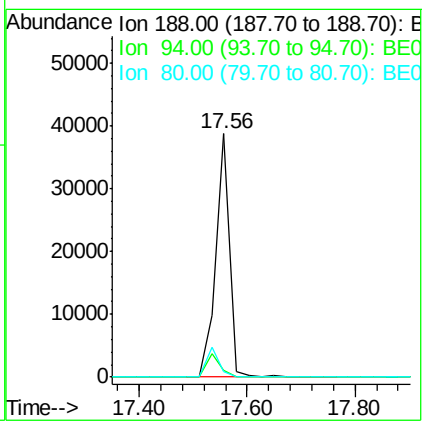


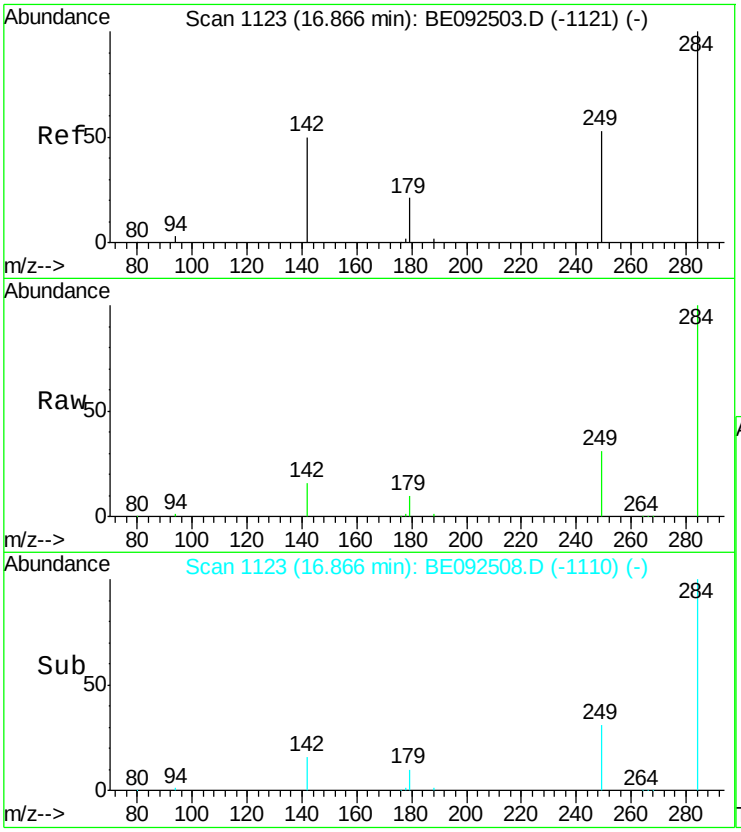


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

Tgt Ion:188 Resp: 68973

Ion	Ratio	Lower	Upper
188	100		
94	3.0	3.2	4.8#
80	2.4	2.6	3.8#

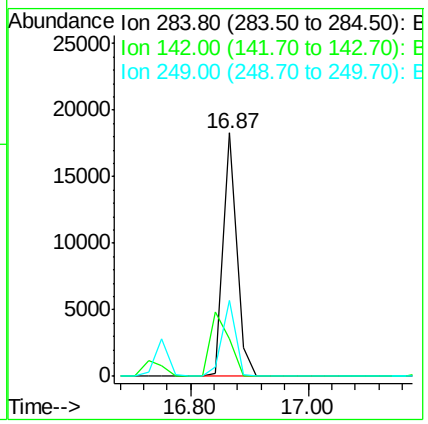




#19
Hexachlorobenzene
Concen: 9.25 ng
RT: 16.87 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

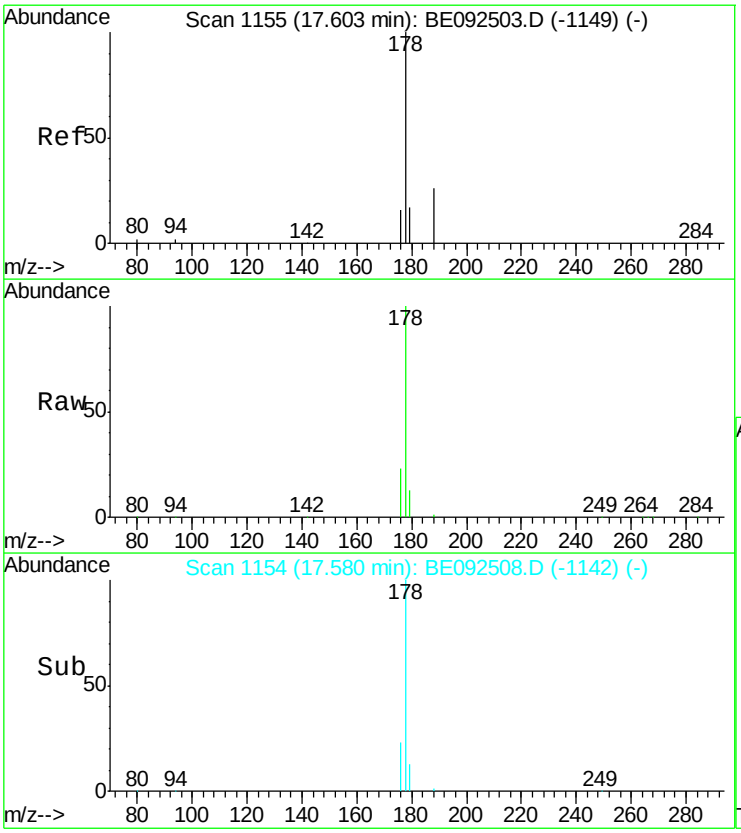
Tgt Ion:284 Resp: 28562

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	31.5	27.9	41.9



Instrument :
BNA_E
ClientSampleId :
SSTDICC010

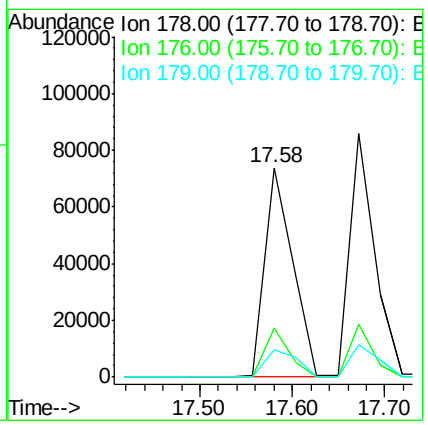
Manual Integrations APPROVED
umangi
11/9/2016 10:58:51 AM

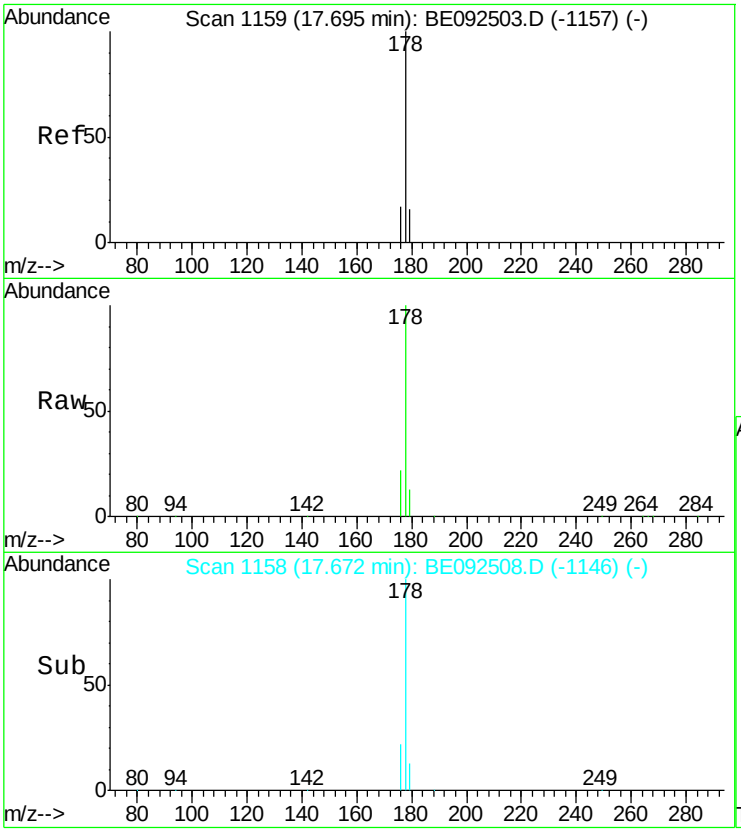


#21
Phenanthrene
Concen: 8.61 ng
RT: 17.58 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

Tgt Ion:178 Resp: 153462

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.0	16.0	24.0#

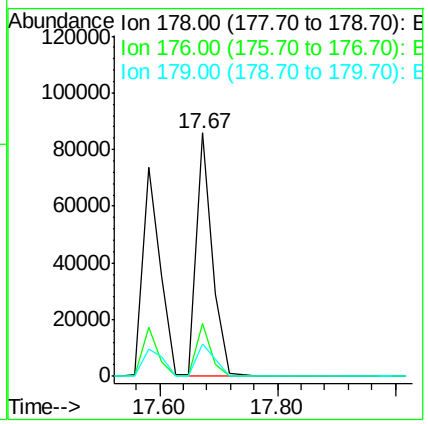




#22
Anthracene
Concen: 10.10 ng
RT: 17.67 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

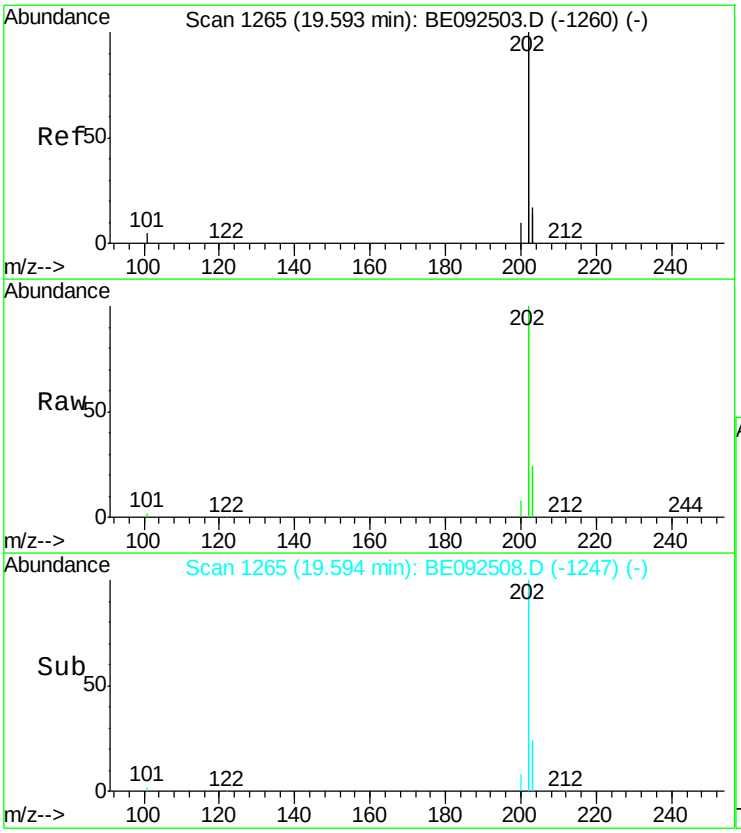
Tgt Ion:178 Resp: 161993

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.0	22.4
179	15.0	12.2	18.2



Instrument :
BNA_E
ClientSampleId :
SSTDICC010

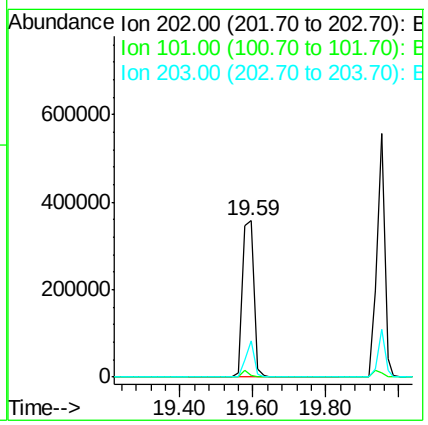
Manual Integrations APPROVED
umangi
11/9/2016 10:58:51 AM

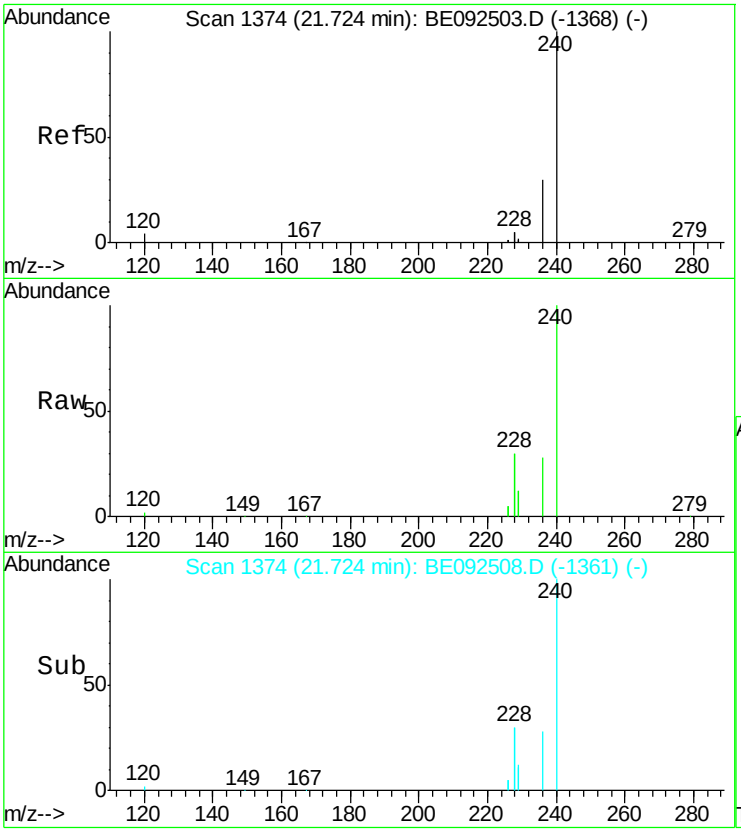


#23
Fluoranthene
Concen: 10.74 ng
RT: 19.59 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

Tgt Ion:202 Resp: 759054

Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.7	13.7	20.5

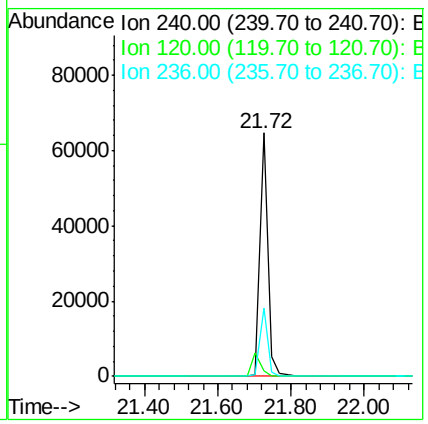




#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

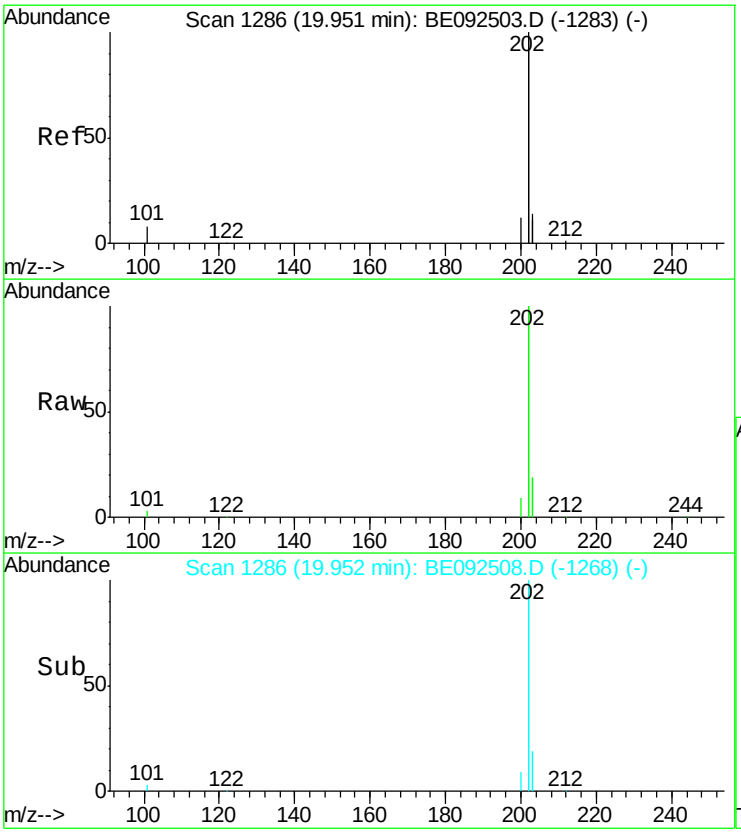
Tgt Ion:240 Resp: 97426

Ion	Ratio	Lower	Upper
240	100		
120	2.2	2.6	4.0#
236	28.1	24.6	37.0



Instrument :
BNA_E
ClientSampleId :
SSTDICC010

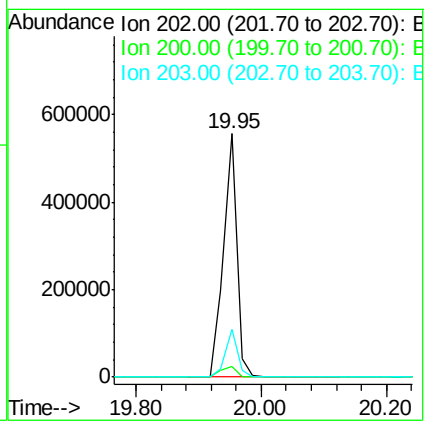
Manual Integrations APPROVED
umangi
11/9/2016 10:58:51 AM

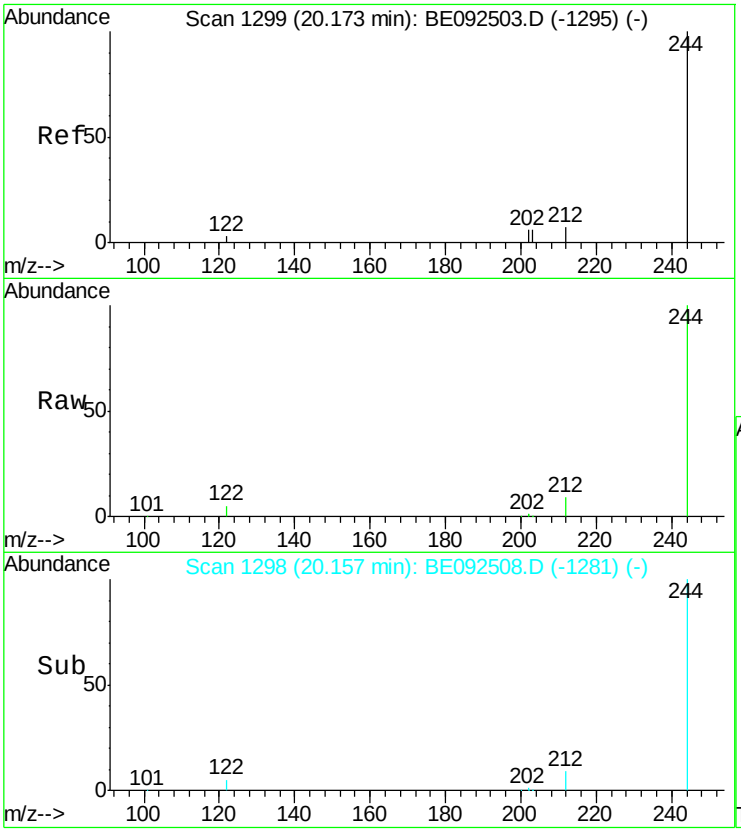


#25
Pyrene
Concen: 9.69 ng
RT: 19.95 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

Tgt Ion:202 Resp: 822476

Ion	Ratio	Lower	Upper
202	100		
200	5.2	4.2	6.4
203	17.8	13.9	20.9

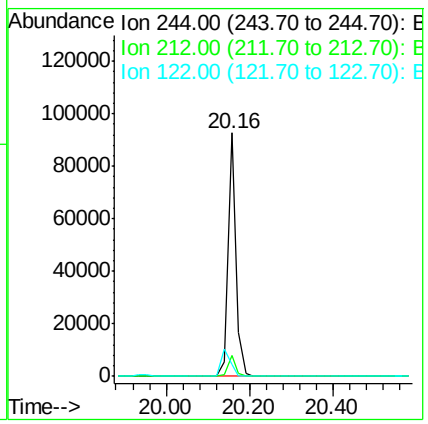




#26
Terphenyl-d14
Concen: 9.93 ng
RT: 20.16 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

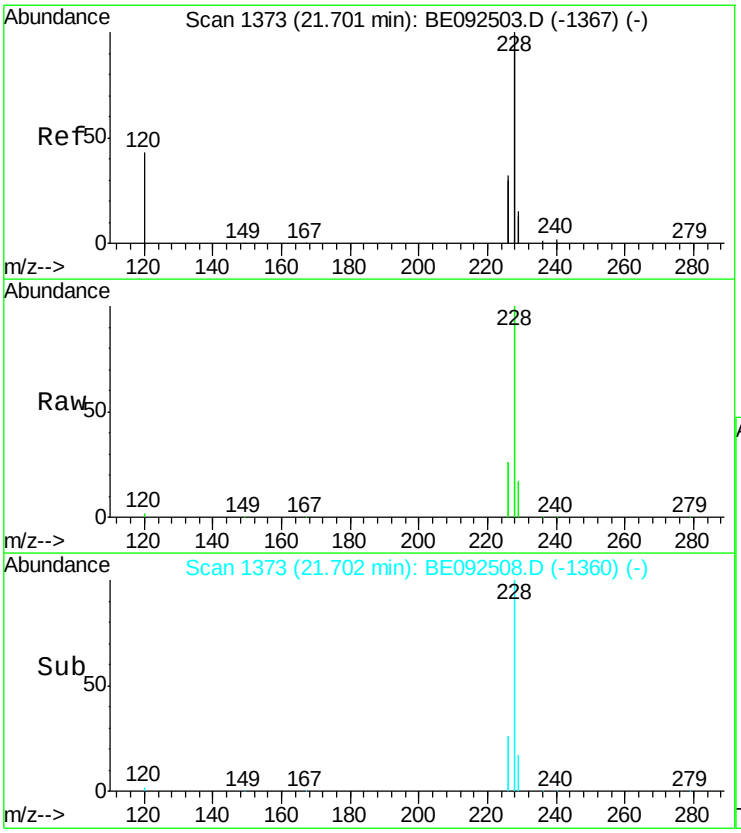
Tgt Ion:244 Resp: 119687

Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.7	10.1
122	5.1	3.6	5.4



Instrument :
BNA_E
ClientSampleId :
SSTDICC010

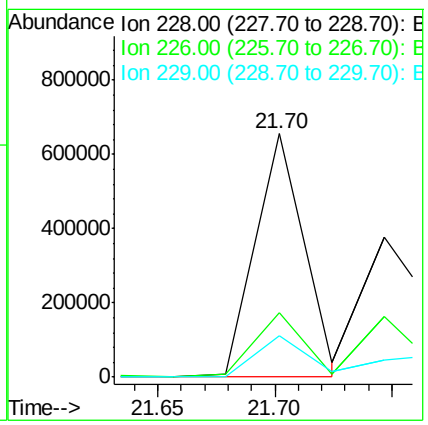
Manual Integrations APPROVED
umangi
11/9/2016 10:58:51 AM

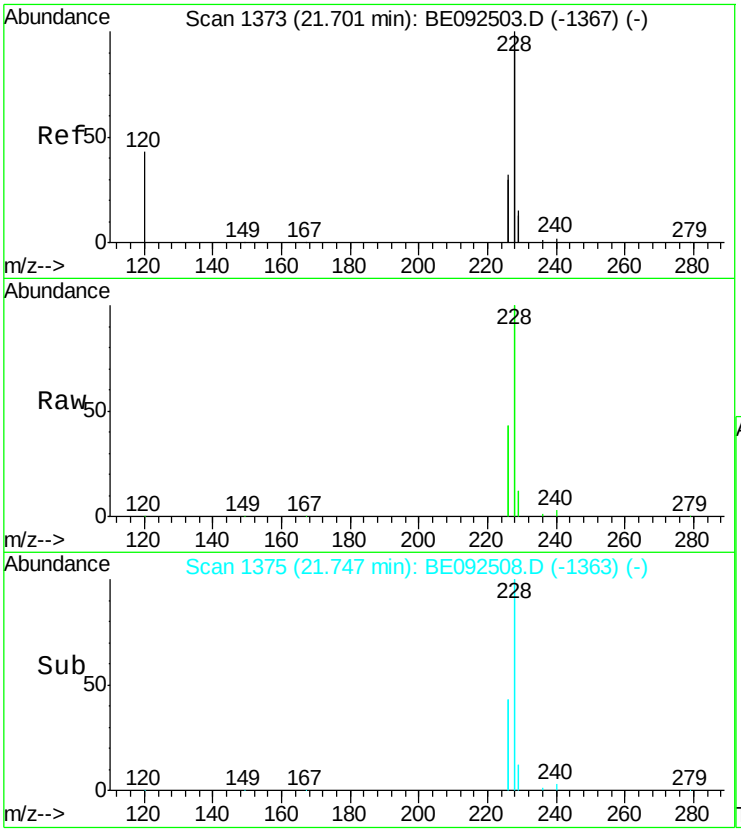


#27
Benzo(a)anthracene
Concen: 10.60 ng m
RT: 21.70 min Scan# 1373
Delta R.T. 0.00 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

Tgt Ion:228 Resp: 955721

Ion	Ratio	Lower	Upper
228	100		
226	26.3	23.6	35.4
229	17.1	13.3	19.9

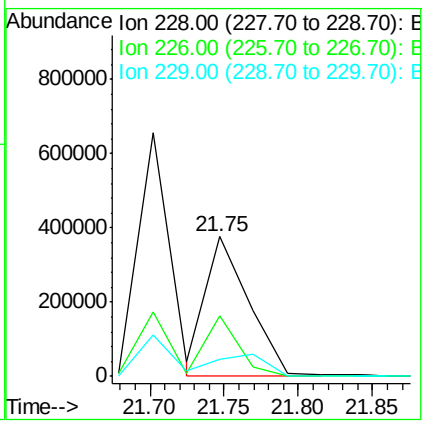




#28
Chrysene
Concen: 8.11 ng m
RT: 21.75 min Scan# 1375
Delta R.T. -0.02 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

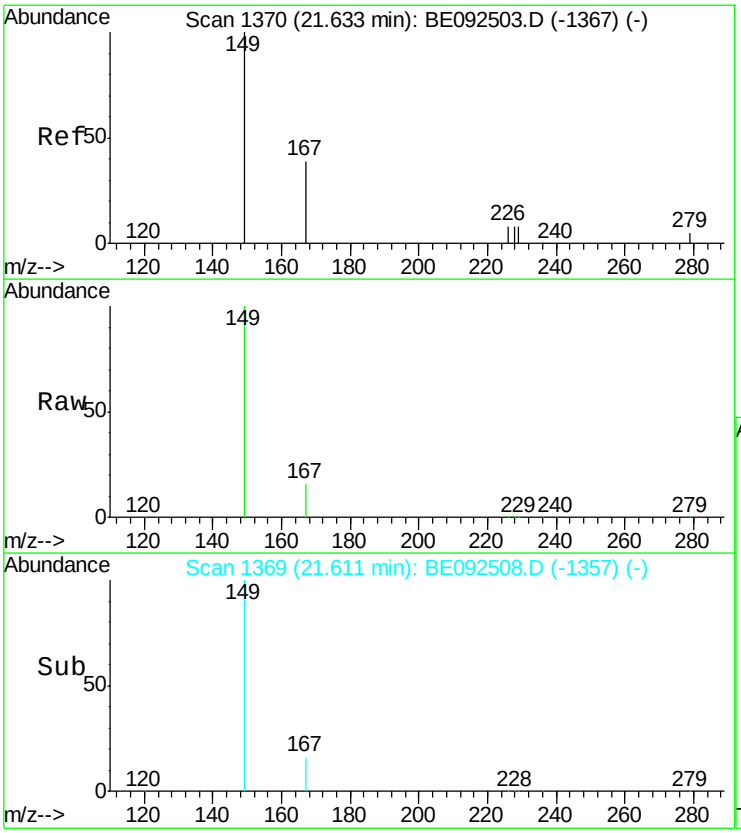
Tgt Ion:228 Resp: 768422

Ion	Ratio	Lower	Upper
228	100		
226	43.4	36.3	54.5
229	12.1	10.6	16.0



Instrument :
BNA_E
ClientSampleId :
SSTDICC010

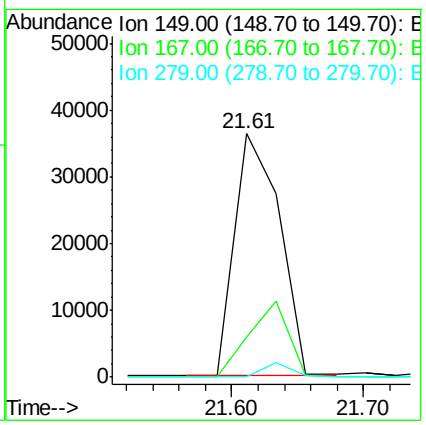
Manual Integrations APPROVED
umangi
11/9/2016 10:58:51 AM

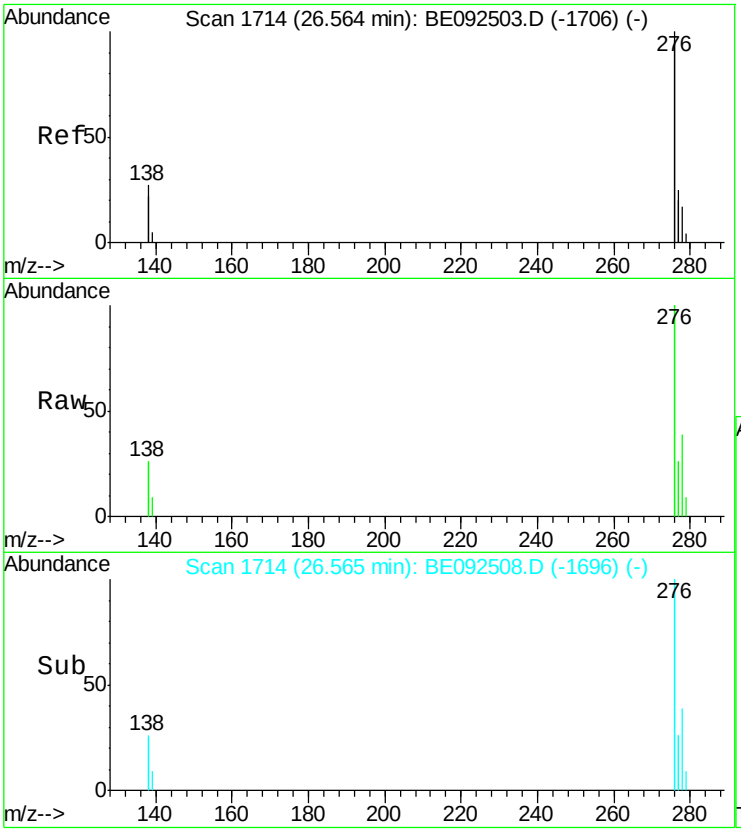


#29
Bis(2-ethylhexyl)phthalate
Concen: 11.62 ng
RT: 21.61 min Scan# 1369
Delta R.T. -0.02 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

Tgt Ion:149 Resp: 87179

Ion	Ratio	Lower	Upper
149	100		
167	0.0	16.0	24.0#
279	0.0	16.0	24.0#

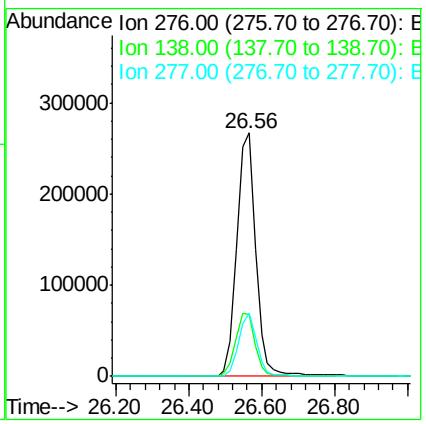




#30
Indeno(1,2,3-cd)pyrene
Concen: 11.41 ng
RT: 26.56 min Scan# 1714
Delta R.T. 0.00 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

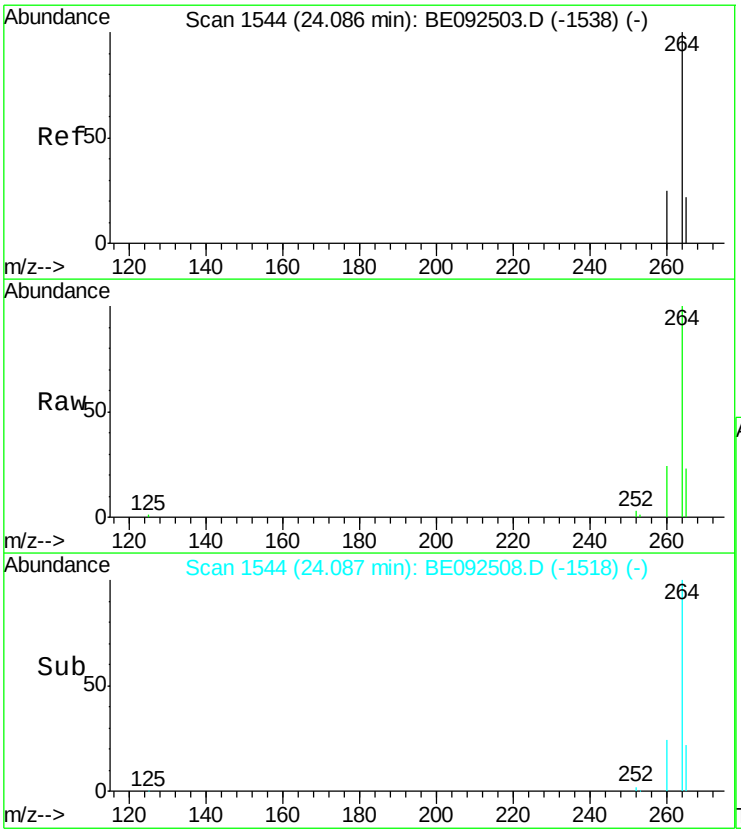
Tgt Ion:276 Resp: 952622

Ion	Ratio	Lower	Upper
276	100		
138	27.0	20.3	30.5
277	24.8	19.7	29.5



Instrument :
BNA_E
ClientSampleId :
SSTDICC010

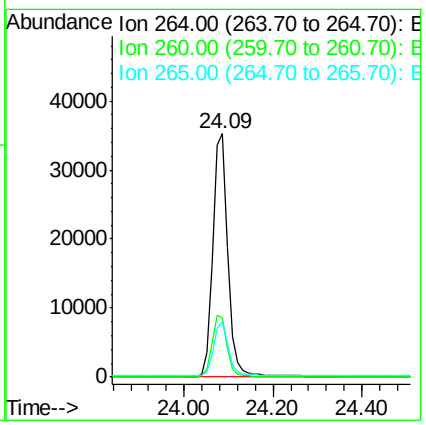
Manual Integrations APPROVED
umangi
11/9/2016 10:58:51 AM

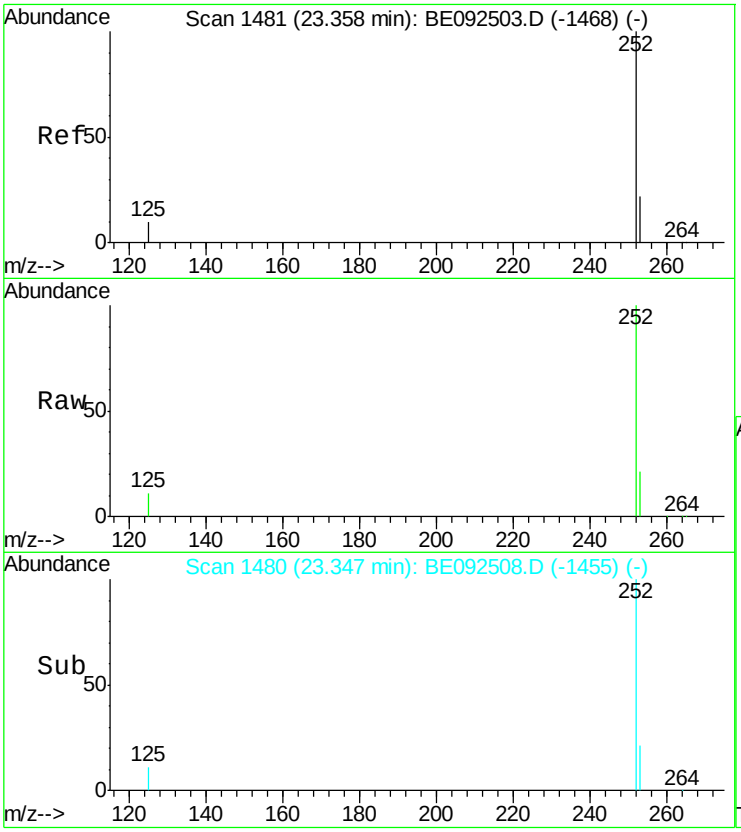


#31
Perylene-d12
Concen: 5.00 ng
RT: 24.09 min Scan# 1544
Delta R.T. 0.00 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

Tgt Ion:264 Resp: 82920

Ion	Ratio	Lower	Upper
264	100		
260	24.3	20.1	30.1
265	22.8	17.9	26.9

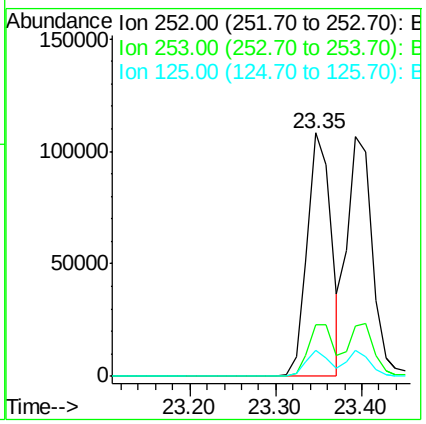




#32
Benzo(b)fluoranthene
Concen: 10.05 ng
RT: 23.35 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

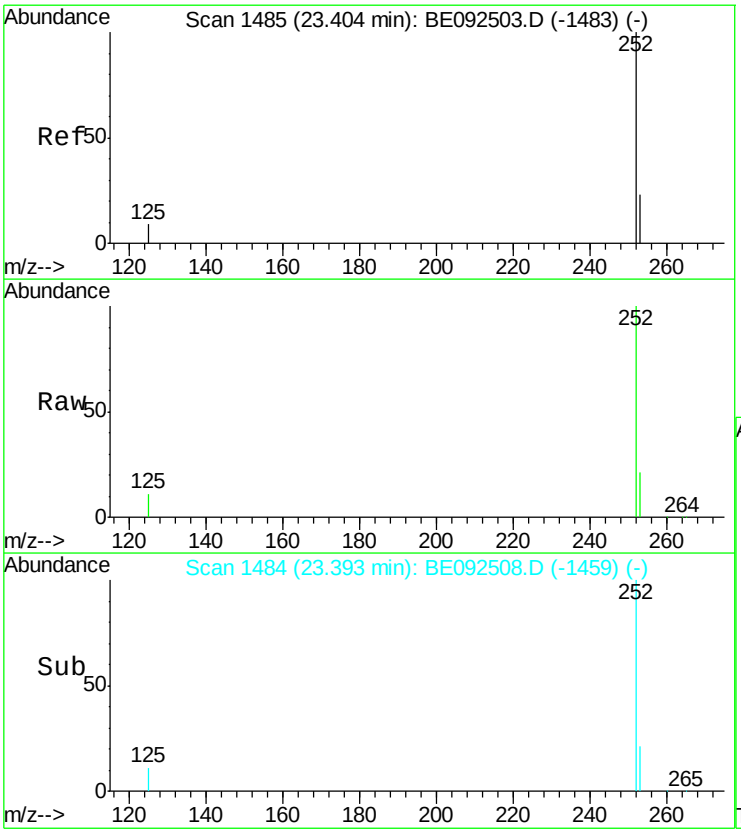
Tgt Ion:252 Resp: 207545

Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.7	28.1
125	10.9	10.5	15.7



Instrument :
BNA_E
ClientSampleId :
SSTDICC010

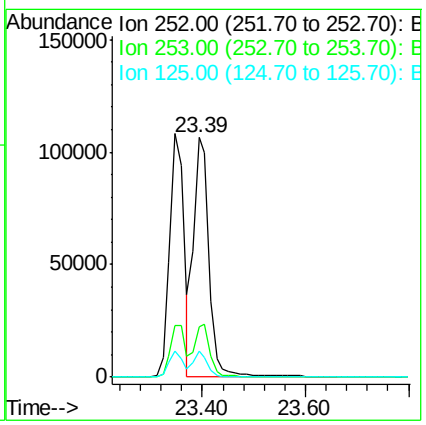
Manual Integrations APPROVED
umangi
11/9/2016 10:58:51 AM

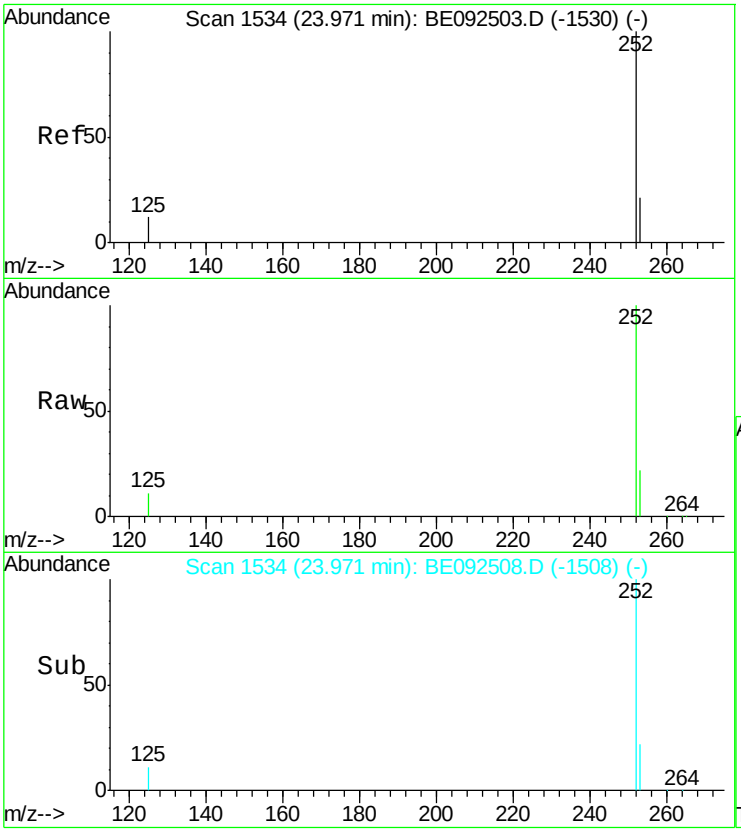


#33
Benzo(k)fluoranthene
Concen: 10.71 ng
RT: 23.39 min Scan# 1484
Delta R.T. -0.01 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

Tgt Ion:252 Resp: 219223

Ion	Ratio	Lower	Upper
252	100		
253	21.1	20.3	30.5
125	10.8	9.6	14.4





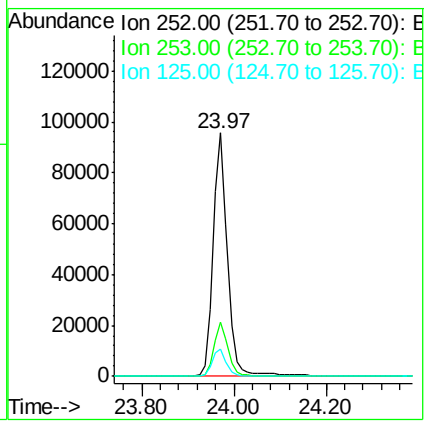
#34
Benzo(a)pyrene
Concen: 10.90 ng
RT: 23.97 min Scan# 1534
Delta R.T. 0.00 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

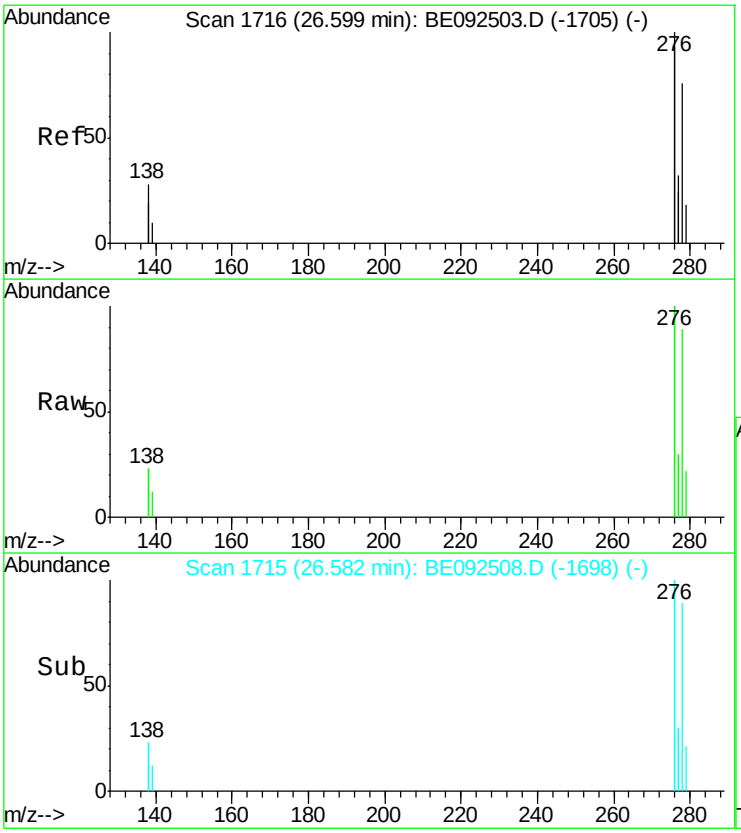
Tgt Ion:252 Resp: 203734

Ion	Ratio	Lower	Upper
252	100		
253	22.2	19.0	28.6
125	11.0	11.8	17.8#

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
umangi
11/9/2016 10:58:51 AM

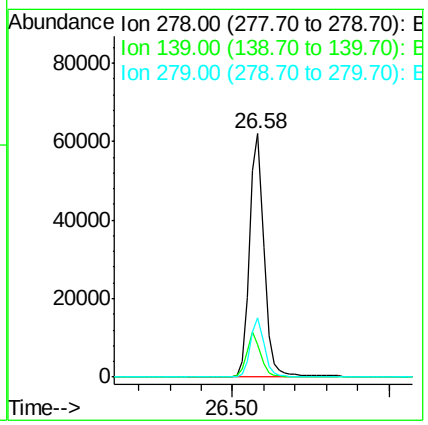


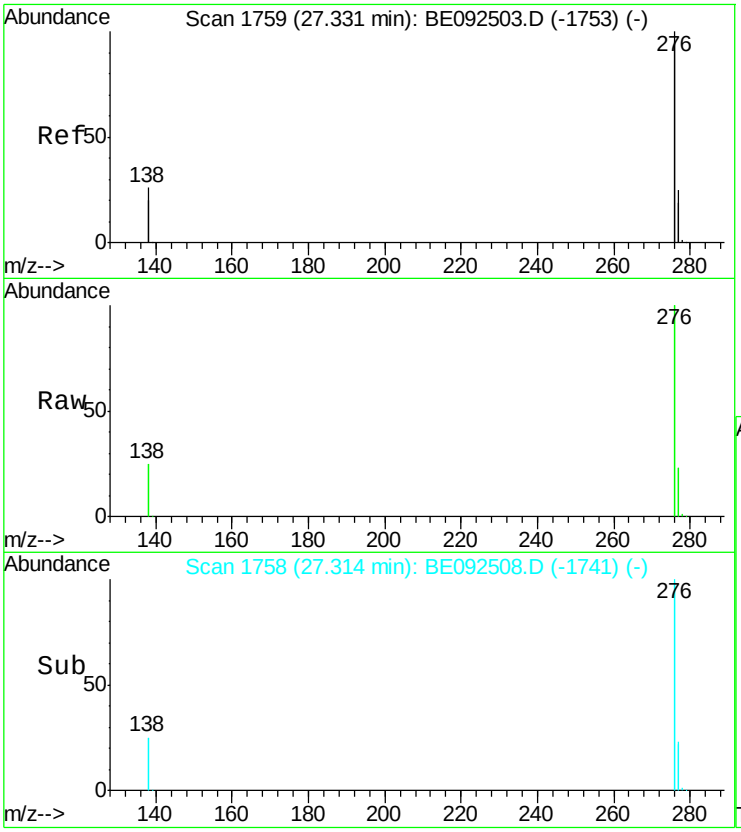


#35
Dibenzo(a,h)anthracene
Concen: 11.33 ng
RT: 26.58 min Scan# 1715
Delta R.T. -0.02 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

Tgt Ion:278 Resp: 197780

Ion	Ratio	Lower	Upper
278	100		
139	13.5	13.8	20.8#
279	24.3	21.4	32.2

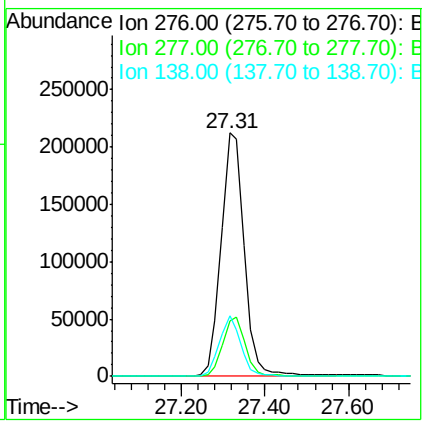




#36
Benzo(g,h,i)perylene
Concen: 10.78 ng
RT: 27.31 min Scan# 1758
Delta R.T. -0.02 min
Lab File: BE092508.D
Acq: 8 Nov 2016 14:37

Tgt Ion:276 Resp: 811870

Ion	Ratio	Lower	Upper
276	100		
277	22.5	19.8	29.8
138	24.9	19.8	29.6



Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
umangi
11/9/2016 10:58:51 AM