Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031816\
Data File : BE091471.D
Acq On : 17 Mar 2016 17:54
Operator : UM/SJ
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Manual Integrations APPROVED
UMANGI
3/18/2016 6:10:46 PM

Quant Time: Mar 18 03:04:01 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 18 02:38:58 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	63448	5.00	ng	0.00
6) Naphthalene-d8	10.61	136	293697	5.00	ng	0.00
10) Acenaphthene-d10	14.45	164	178633	5.00	ng	0.00
16) Phenanthrene-d10	17.18	188	460144	5.00	ng	0.00
22) Chrysene-d12	21.34	240	617686	5.00	ng	0.00
28) Perylene-d12	23.81	264	549653	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.42	112	5240	0.46	ng	0.00
5) Phenol-d6	6.99	99	6630	0.49	ng	0.00
7) Nitrobenzene-d5	8.98	82	4408	0.35	ng	0.00
11) 2,4,6-Tribromophenol	15.93	330	1645m	0.35	ng	0.00
12) 2-Fluorobiphenyl	13.07	172	16526	0.33	ng	0.00
24) Terphenyl-d14	19.80	244	29177	0.38	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	3009	0.42	ng	100
3) n-Nitrosodimethylamine	3.68	42	3906	0.72	ng	100
8) Naphthalene	10.65	128	26752	0.34	ng	100
9) 2-Methylnaphthalene	12.27	142	16872	0.34	ng	100
13) Acenaphthylene	14.16	152	24995	0.28	ng	100
14) Acenaphthene	14.50	154	21169	0.33	ng	100
15) Fluorene	15.49	166	26017	0.35	ng	100
17) Hexachlorobenzene	16.48	284	7234	0.25	ng	100
18) Pentachlorophenol	16.83	266	2579	0.91	ng	100
19) Phenanthrene	17.22	178	48930	0.34	ng	100
20) Anthracene	17.31	178	40214	0.31	ng	100
21) Fluoranthene	19.23	202	53799	0.35	ng	100
23) Pyrene	19.59	202	58251	0.25	ng	100
25) Benzo(a)anthracene	21.31	228	63396m	0.31	ng	
26) Chrysene	21.38	228	63531m	0.29	ng	
27) Indeno(1,2,3-cd)pyrene	26.40	276	64333	0.37	ng	100
29) Benzo(b)fluoranthene	23.04	252	62321	0.31	ng	100
30) Benzo(k)fluoranthene	23.10	252	65270	0.33	ng	100
31) Benzo(a)pyrene	23.69	252	53622	0.32	ng	100
32) Dibenzo(a,h)anthracene	26.42	278	53245	0.38	ng	100
33) Benzo(g,h,i)perylene	27.18	276	56798	0.35	ng	100

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

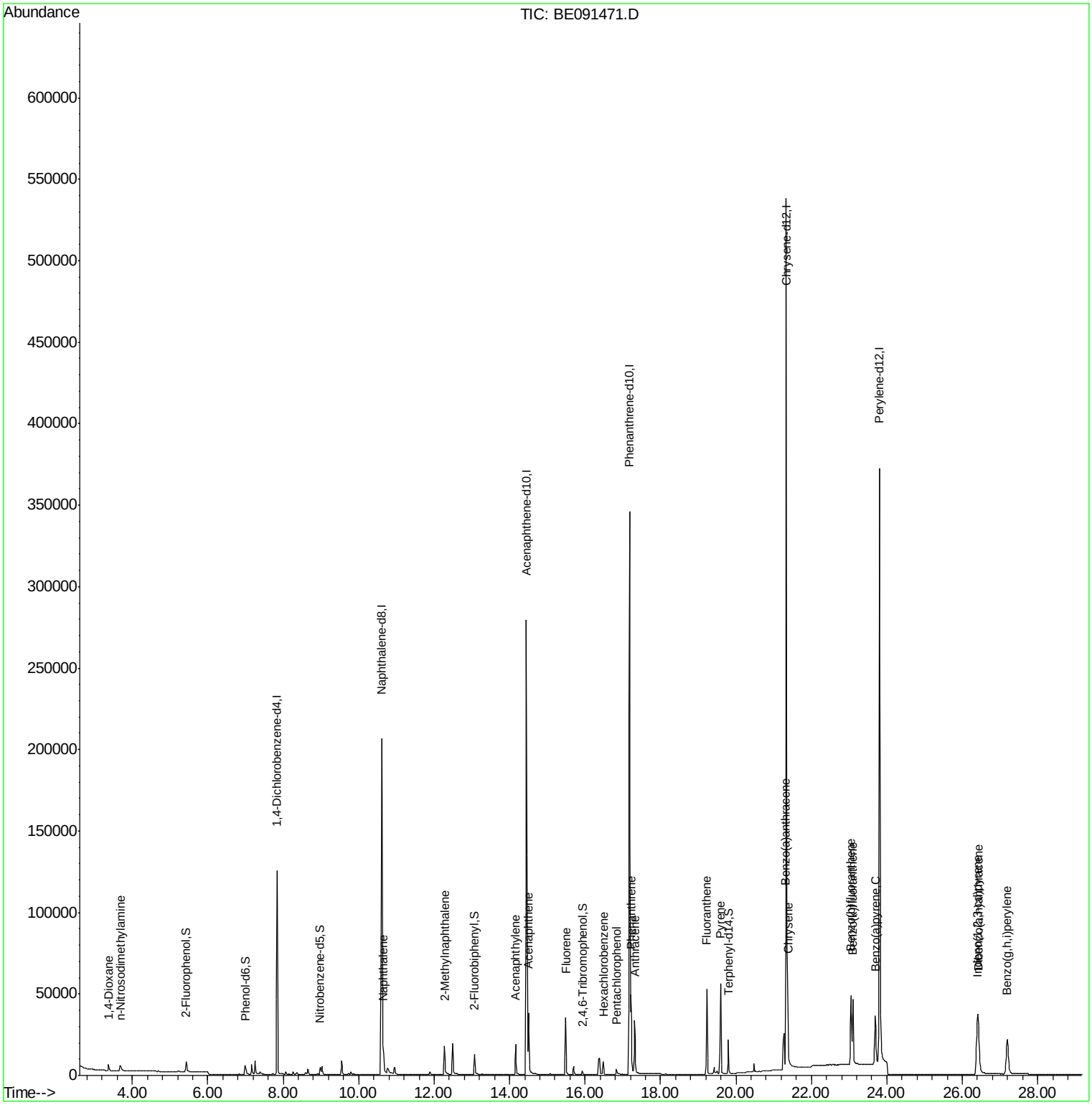
Quantitation Report (QT Reviewed)

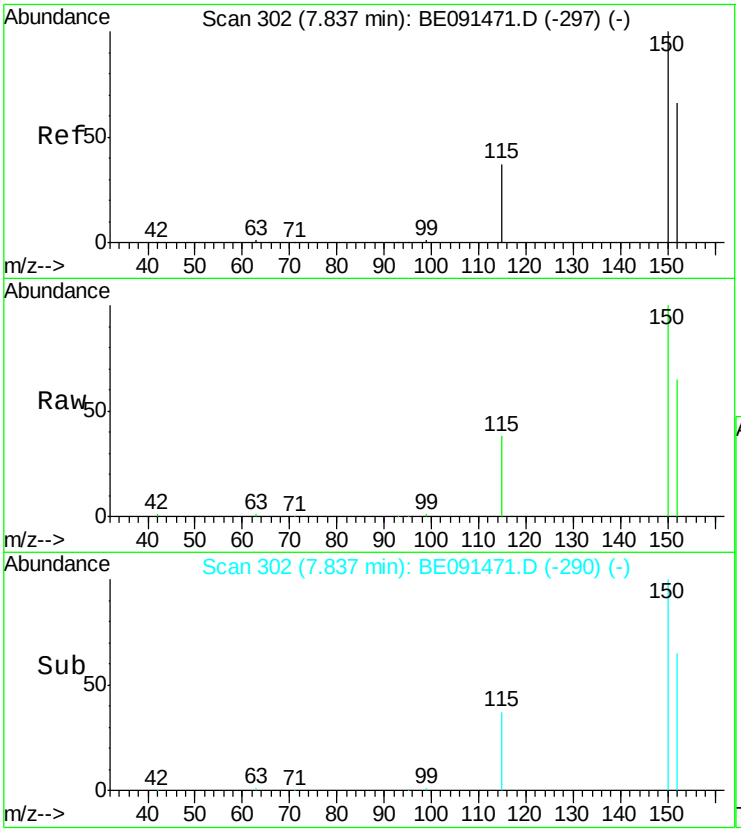
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031816\
Data File : BE091471.D
Acq On : 17 Mar 2016 17:54
Operator : UM/SJ
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 18 03:04:01 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 18 02:38:58 2016
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Manual Integrations APPROVED
UMANGI
3/18/2016 6:10:46 PM

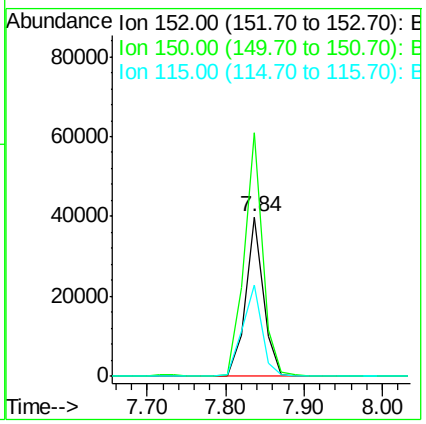




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.84 min Scan# 302
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

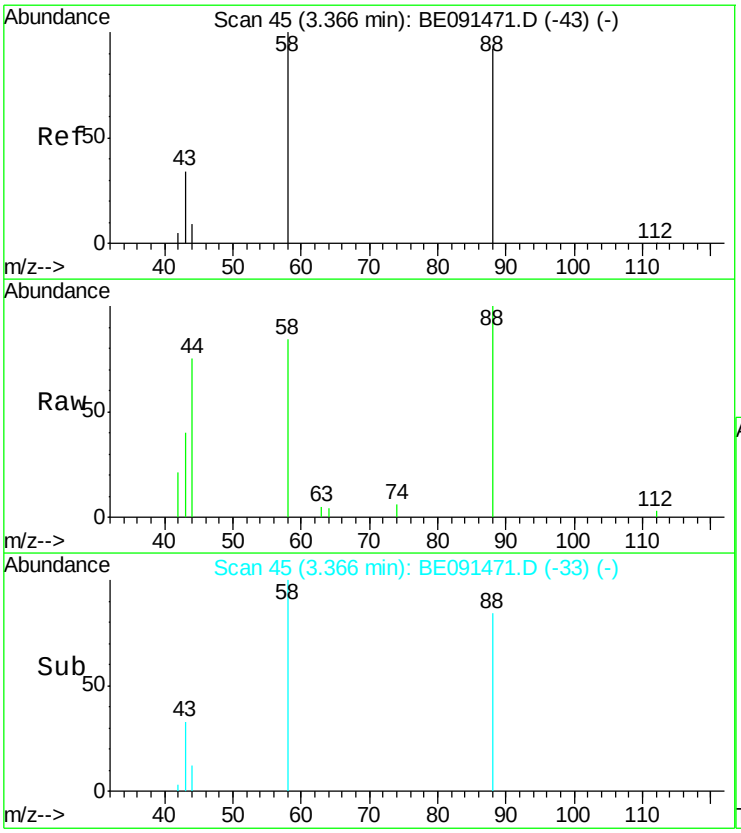
Tgt Ion:152 Resp: 63448

Ion	Ratio	Lower	Upper
152	100		
150	152.7	122.2	183.2
115	57.4	45.9	68.9



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

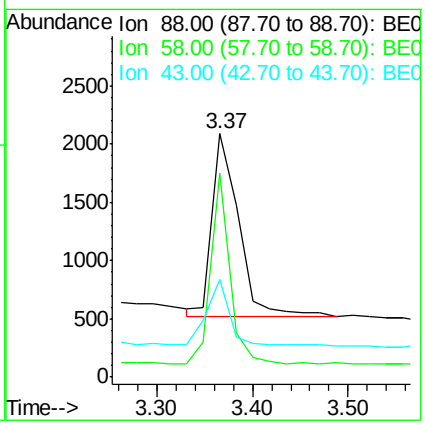
Manual Integrations APPROVED
UMANGI
3/18/2016 6:10:46 PM

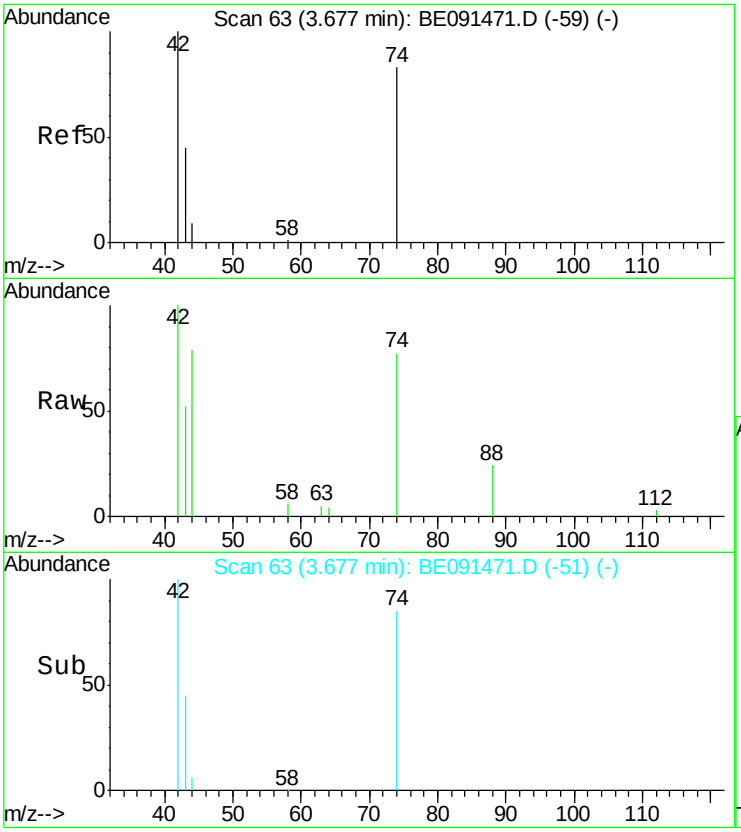


#2
1,4-Dioxane
Concen: 0.42 ng
RT: 3.37 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

Tgt Ion: 88 Resp: 3009

Ion	Ratio	Lower	Upper
88	100		
58	76.3	61.0	91.6
43	31.8	25.4	38.2

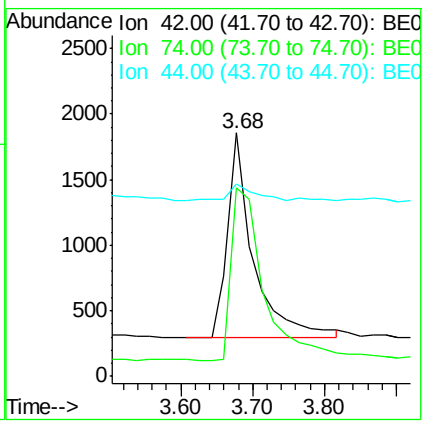




#3
n-Nitrosodimethylamine
Concen: 0.72 ng
RT: 3.68 min Scan# 63
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

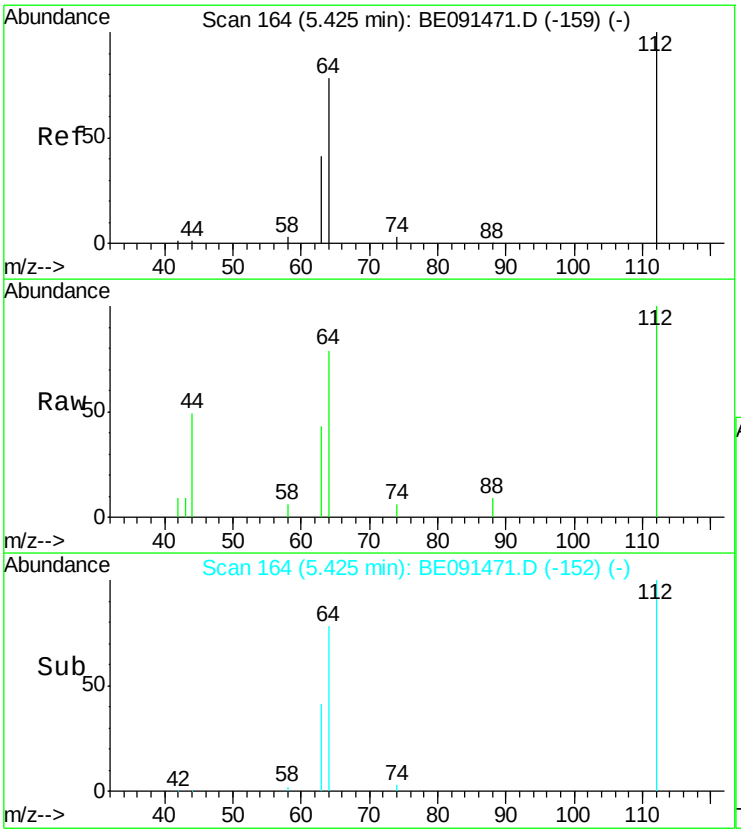
Tgt Ion: 42 Resp: 3906

Ion	Ratio	Lower	Upper
42	100		
74	105.4	84.3	126.5
44	8.4	6.7	10.1



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

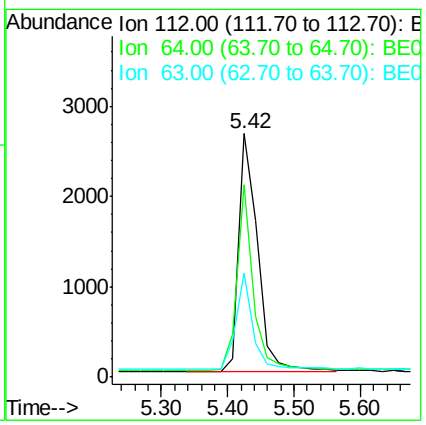
Manual Integrations APPROVED
UMANGI
3/18/2016 6:10:46 PM

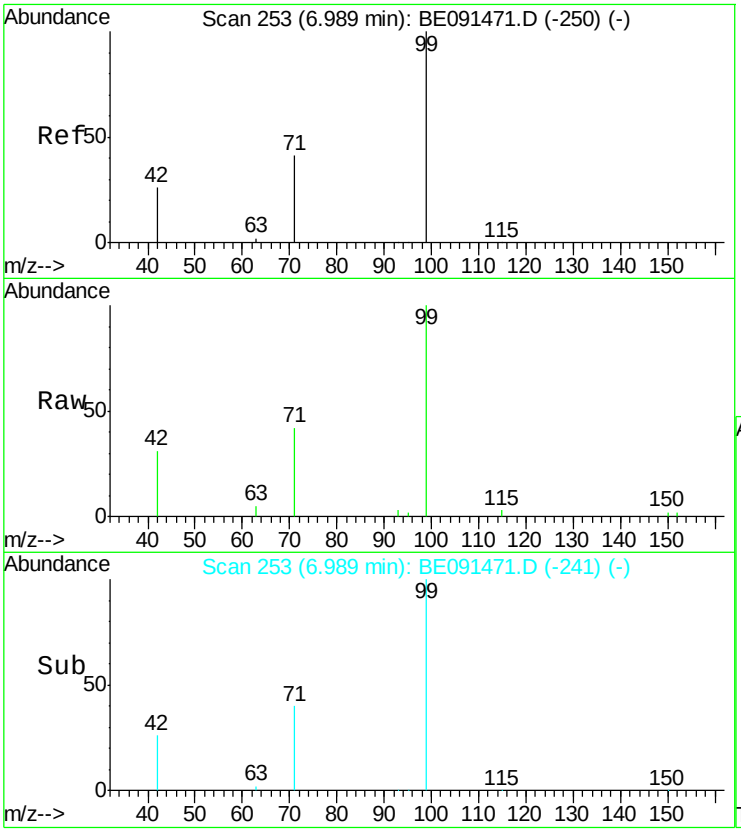


#4
2-Fluorophenol
Concen: 0.46 ng
RT: 5.42 min Scan# 164
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

Tgt Ion:112 Resp: 5240

Ion	Ratio	Lower	Upper
112	100		
64	66.6	53.3	79.9
63	37.3	29.8	44.8

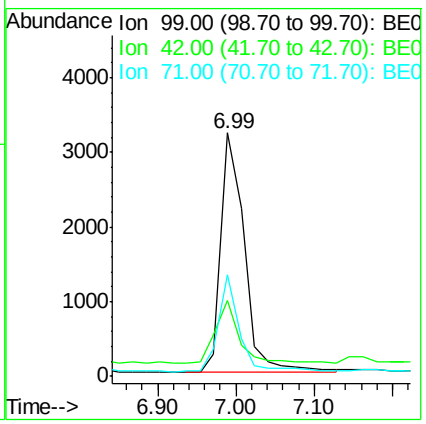




#5
Phenol-d6
Concen: 0.49 ng
RT: 6.99 min Scan# 253
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

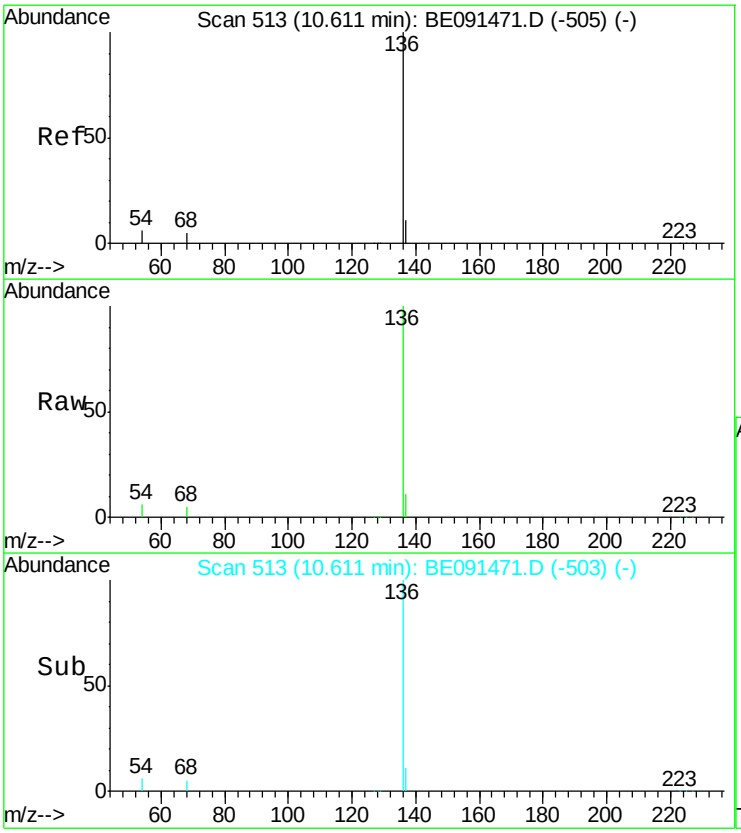
Tgt Ion: 99 Resp: 6630

Ion	Ratio	Lower	Upper
99	100		
42	25.8	20.6	30.8
71	35.8	29.0	43.4



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

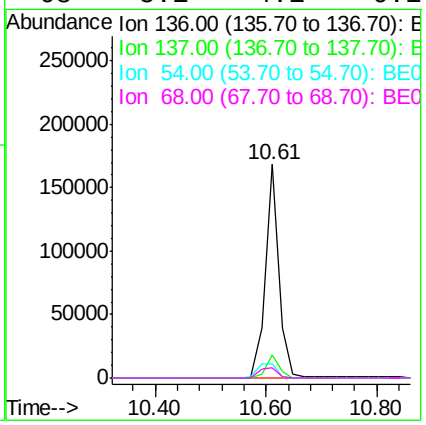
Manual Integrations APPROVED
UMANGI
3/18/2016 6:10:46 PM

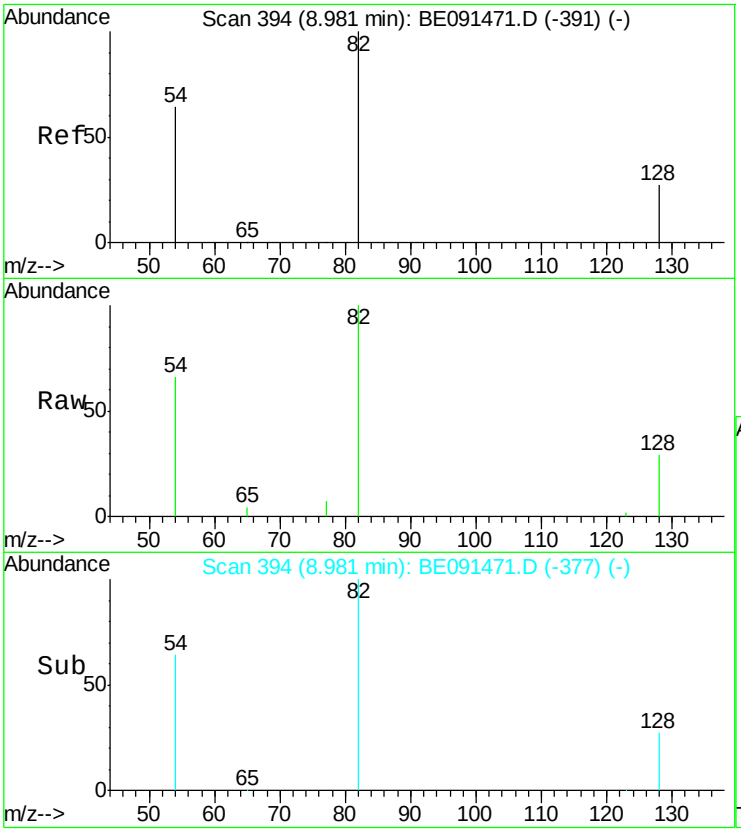


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.61 min Scan# 513
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

Tgt Ion:136 Resp: 293697

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.5	5.2	7.8
68	5.1	4.1	6.1

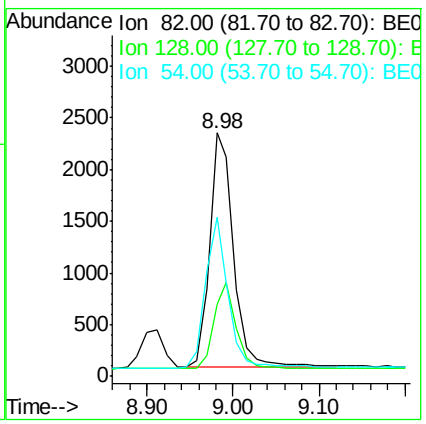




#7
Nitrobenzene-d5
Concen: 0.35 ng
RT: 8.98 min Scan# 394
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

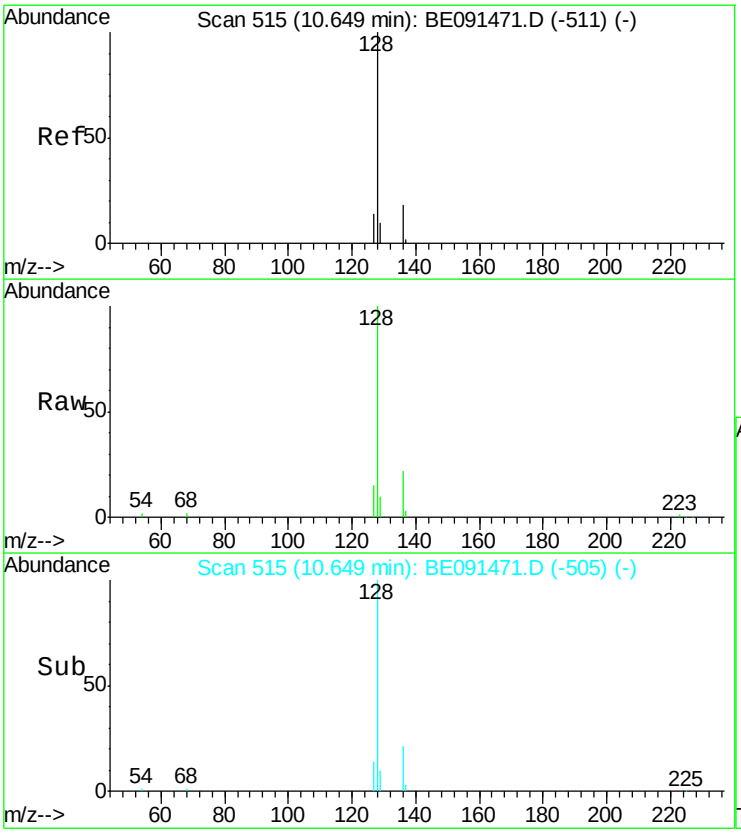
Tgt Ion: 82 Resp: 4408

Ion	Ratio	Lower	Upper
82	100		
128	29.4	23.5	35.3
54	65.5	52.4	78.6



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

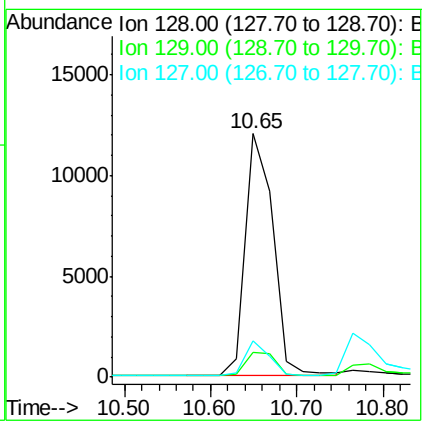
Manual Integrations APPROVED
UMANGI
3/18/2016 6:10:46 PM

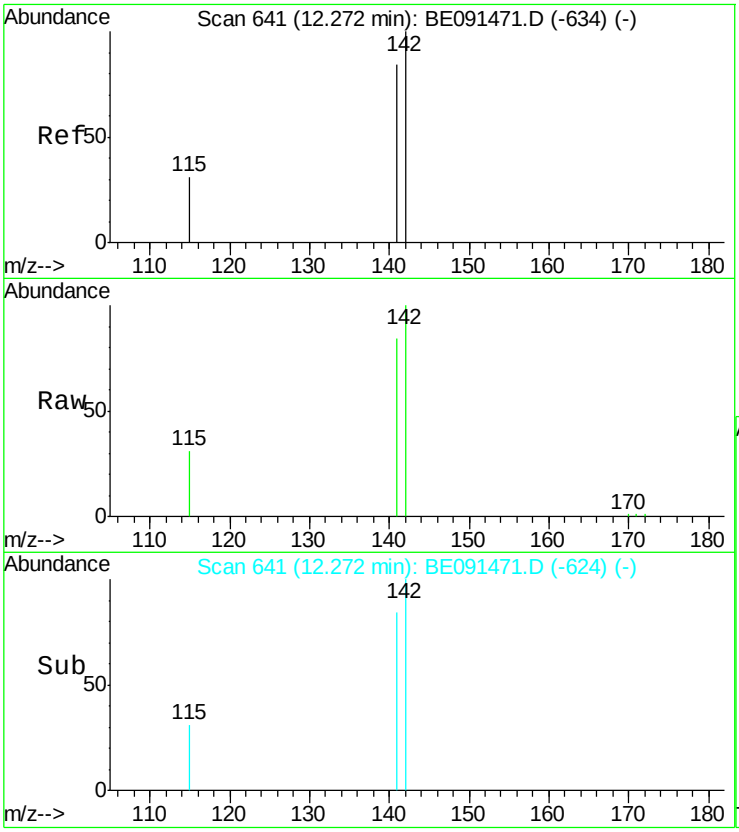


#8
Naphthalene
Concen: 0.34 ng
RT: 10.65 min Scan# 515
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

Tgt Ion:128 Resp: 26752

Ion	Ratio	Lower	Upper
128	100		
129	10.2	8.2	12.2
127	14.8	11.8	17.8

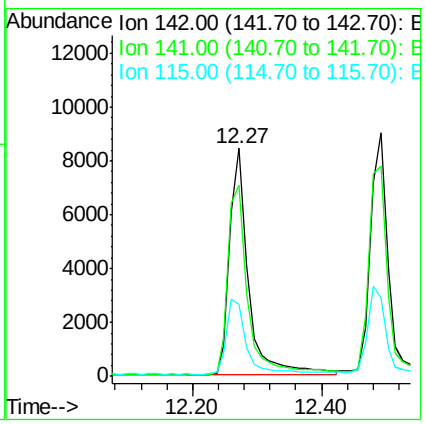




#9
2-Methylnaphthalene
Concen: 0.34 ng
RT: 12.27 min Scan# 641
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

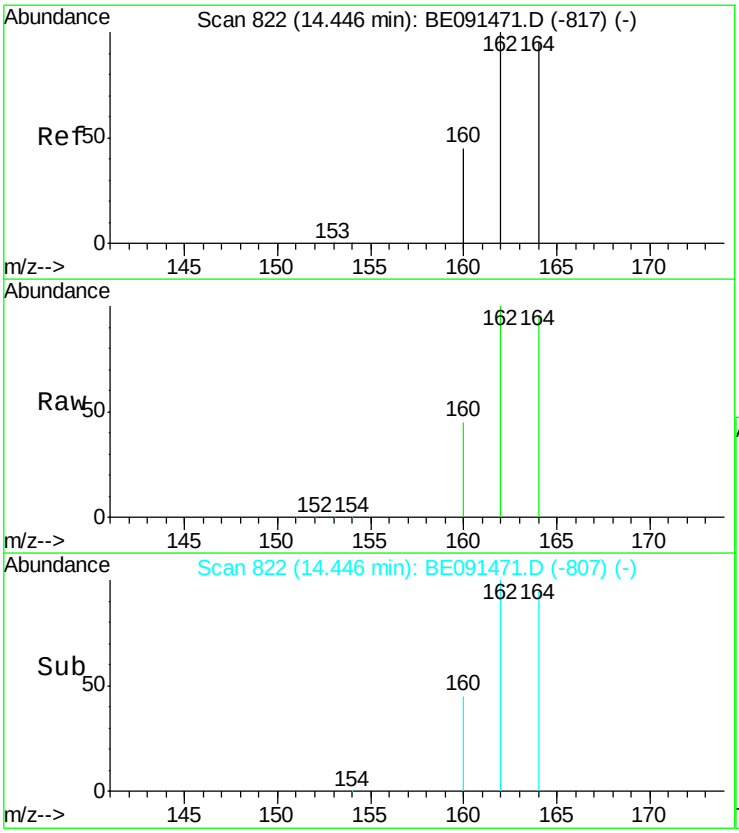
Tgt Ion:142 Resp: 16872

Ion	Ratio	Lower	Upper
142	100		
141	83.6	66.9	100.3
115	31.4	25.1	37.7



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

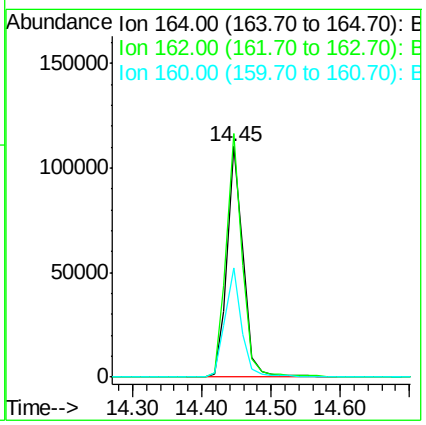
Manual Integrations APPROVED
UMANGI
3/18/2016 6:10:46 PM

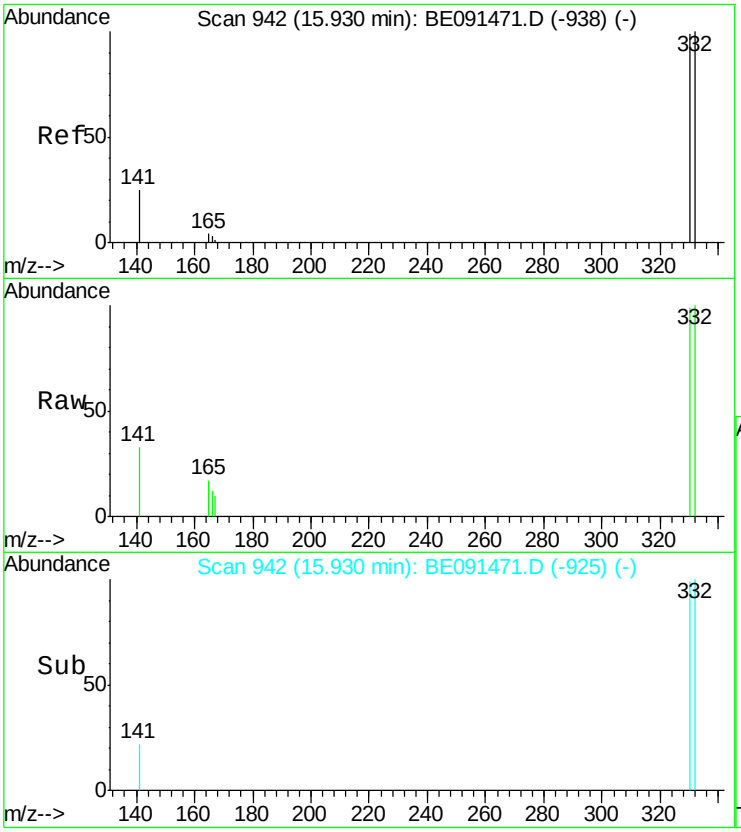


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.45 min Scan# 822
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

Tgt Ion:164 Resp: 178633

Ion	Ratio	Lower	Upper
164	100		
162	105.5	84.4	126.6
160	47.1	37.7	56.5

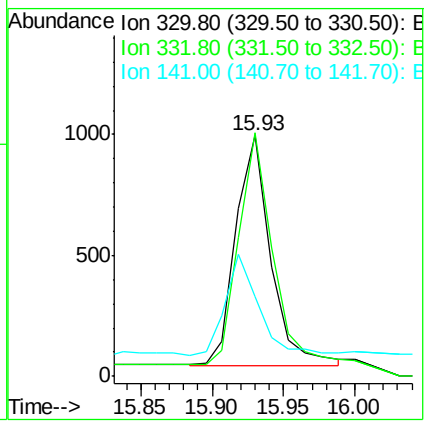




#11
2,4,6-Tribromophenol
Concen: 0.35 ng m
RT: 15.93 min Scan# 942
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

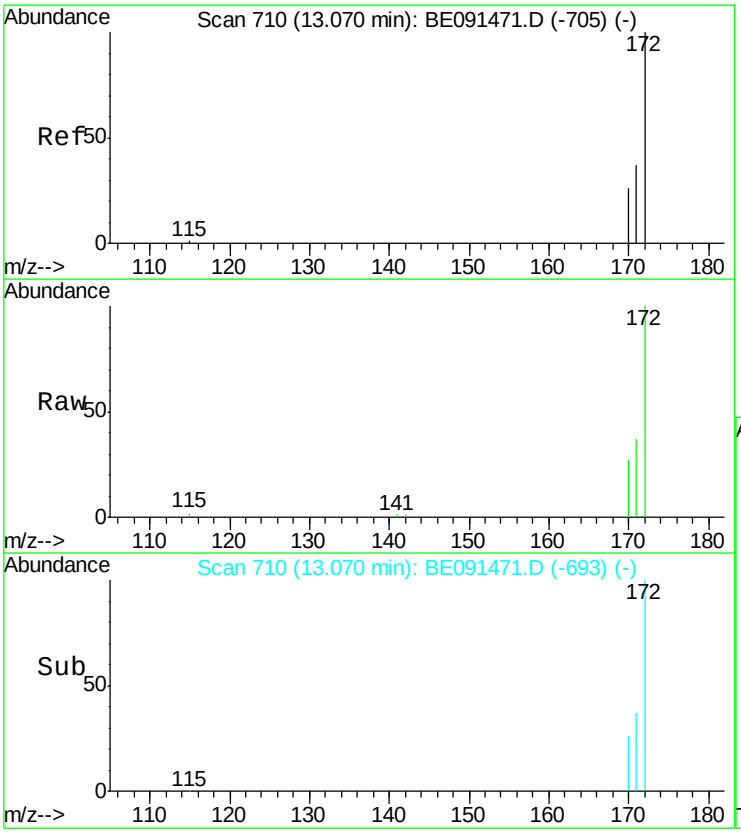
Tgt Ion:330 Resp: 1645

Ion	Ratio	Lower	Upper
330	100		
332	139.8	79.2	118.8#
141	49.6	28.1	42.1#



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

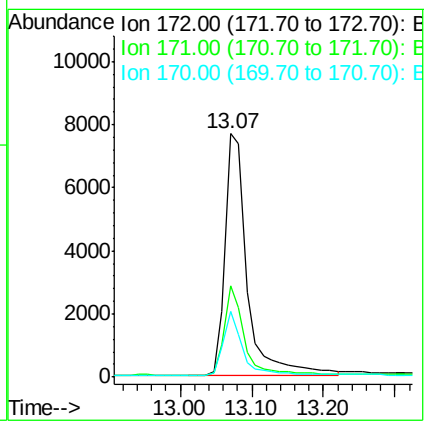
Manual Integrations APPROVED
UMANGI
3/18/2016 6:10:46 PM

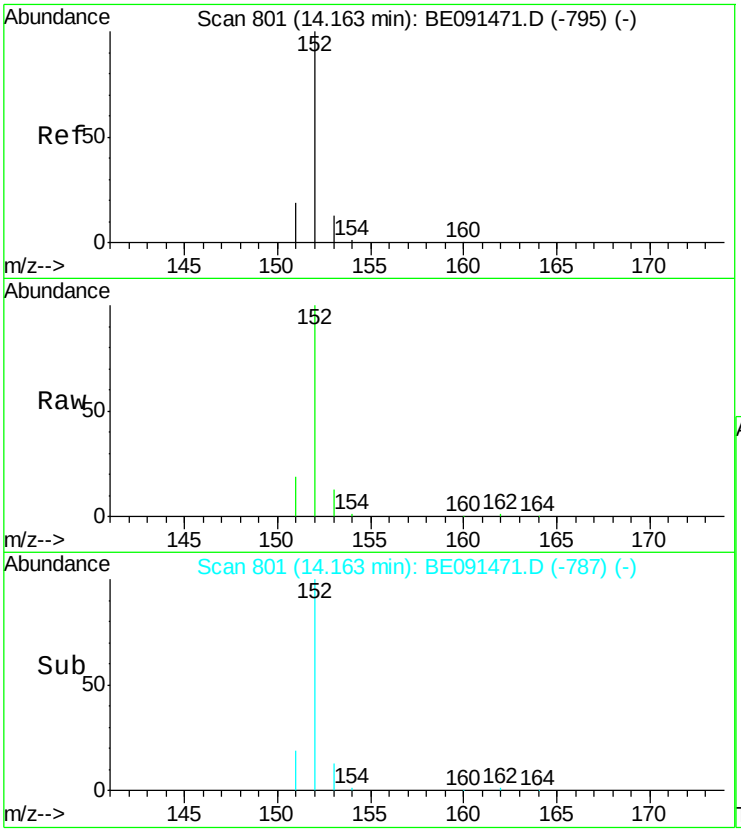


#12
2-Fluorobiphenyl
Concen: 0.33 ng
RT: 13.07 min Scan# 710
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

Tgt Ion:172 Resp: 16526

Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.8	44.8
170	26.8	21.4	32.2

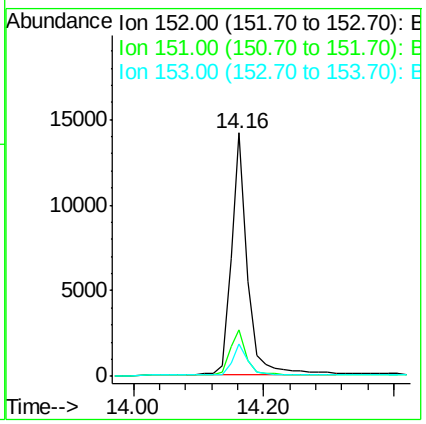




#13
Acenaphthylene
Concen: 0.28 ng
RT: 14.16 min Scan# 801
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

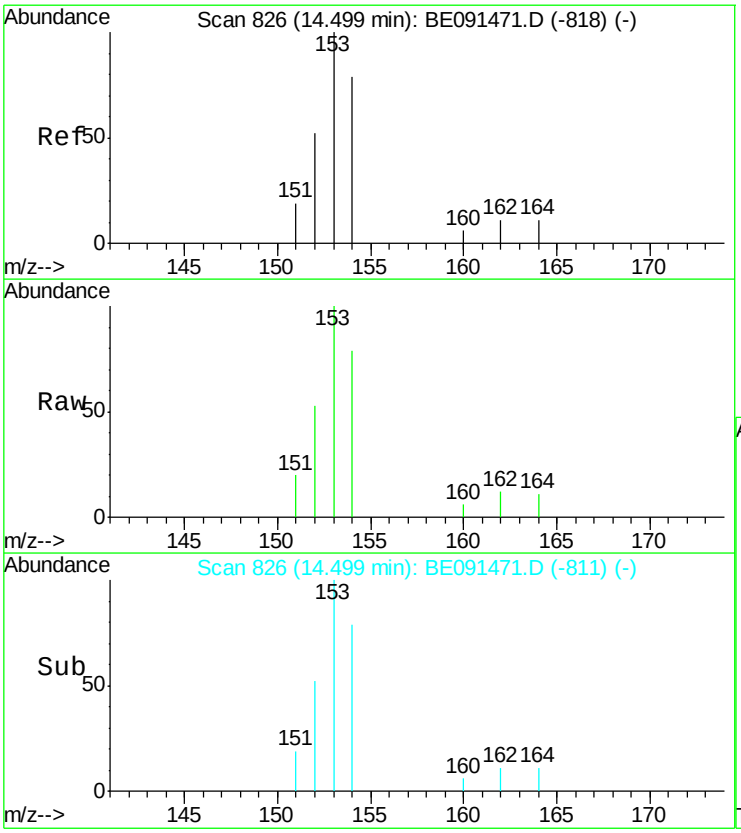
Tgt Ion:152 Resp: 24995

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	13.9	11.1	16.7



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

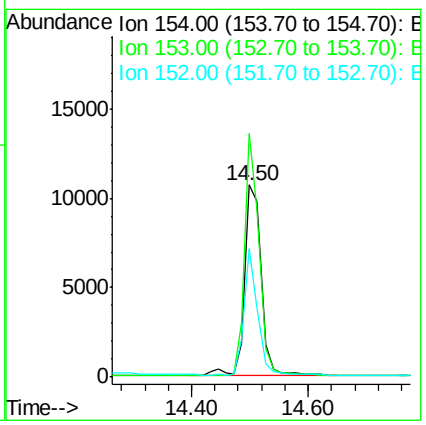
Manual Integrations APPROVED
UMANGI
3/18/2016 6:10:46 PM

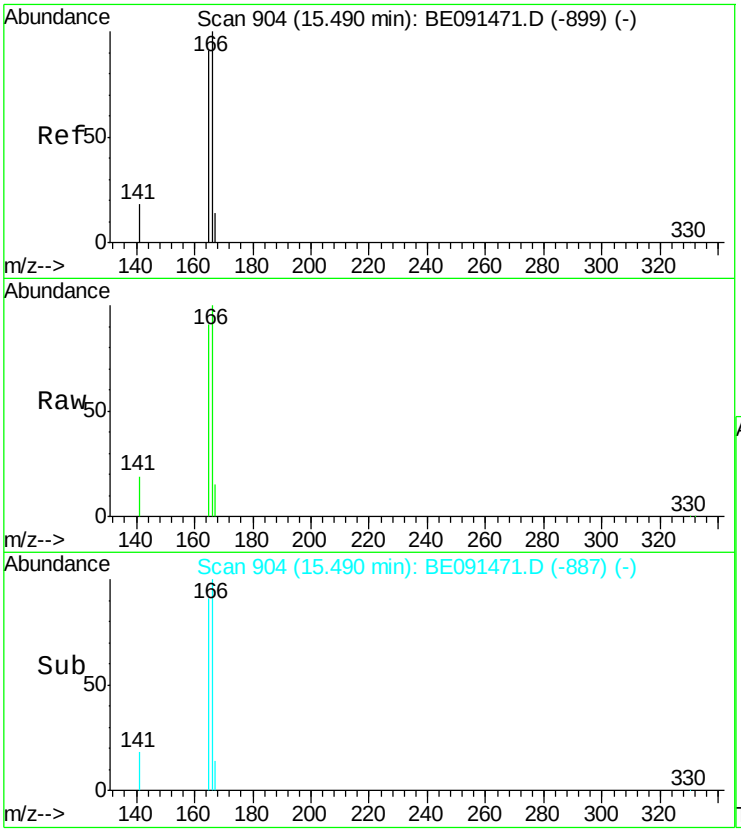


#14
Acenaphthene
Concen: 0.33 ng
RT: 14.50 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

Tgt Ion:154 Resp: 21169

Ion	Ratio	Lower	Upper
154	100		
153	109.1	87.3	130.9
152	53.7	42.9	64.3

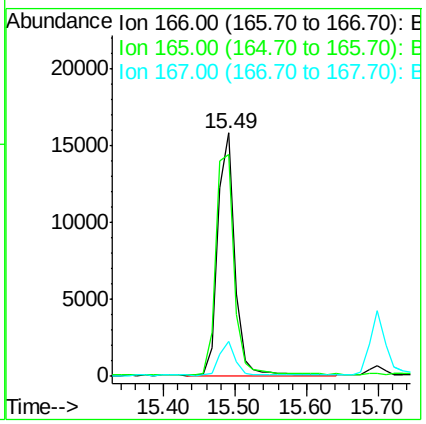




#15
Fluorene
Concen: 0.35 ng
RT: 15.49 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

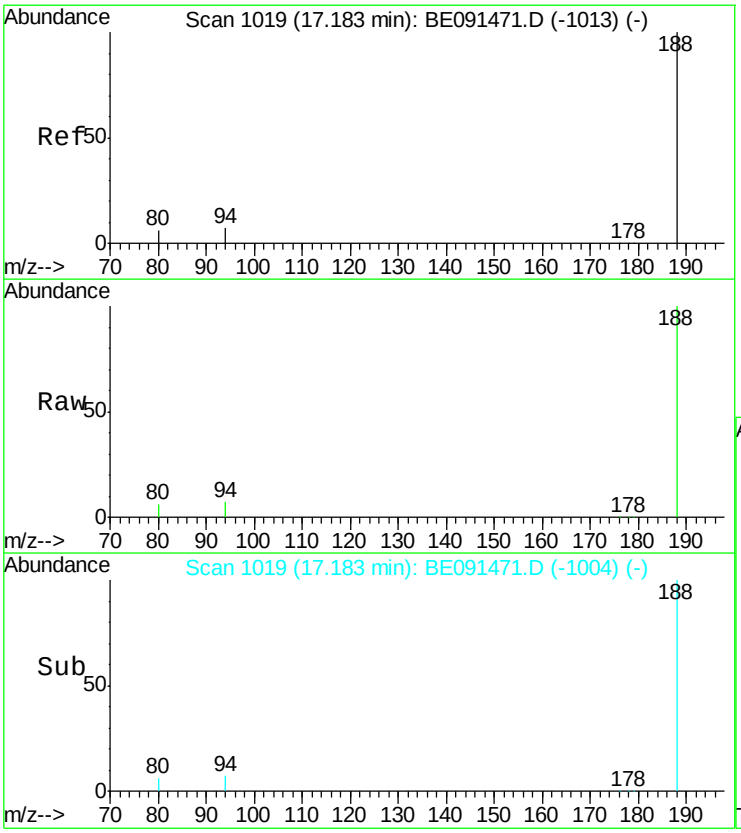
Tgt Ion:166 Resp: 26017

Ion	Ratio	Lower	Upper
166	100		
165	99.0	79.2	118.8
167	13.5	10.8	16.2



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

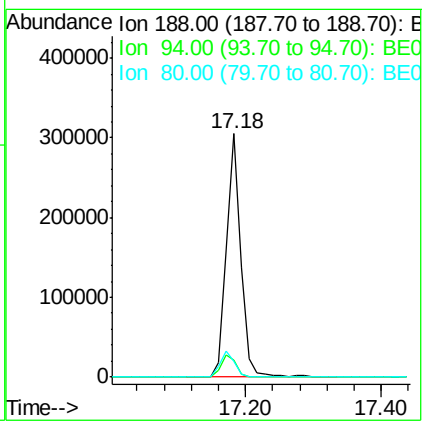
Manual Integrations APPROVED
UMANGI
3/18/2016 6:10:46 PM

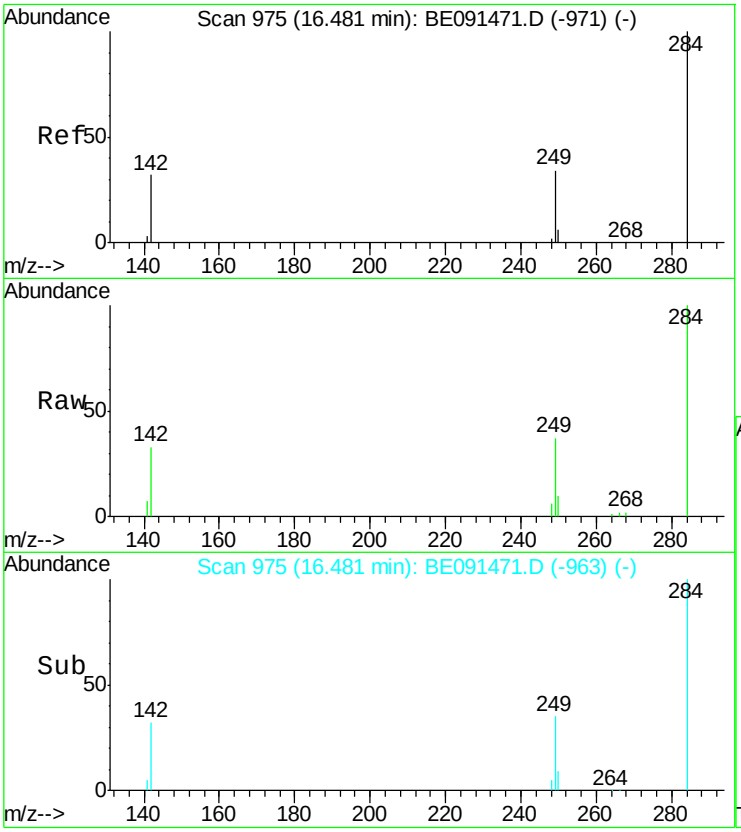


#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.18 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

Tgt Ion:188 Resp: 460144

Ion	Ratio	Lower	Upper
188	100		
94	6.8	5.4	8.2
80	6.2	5.0	7.4

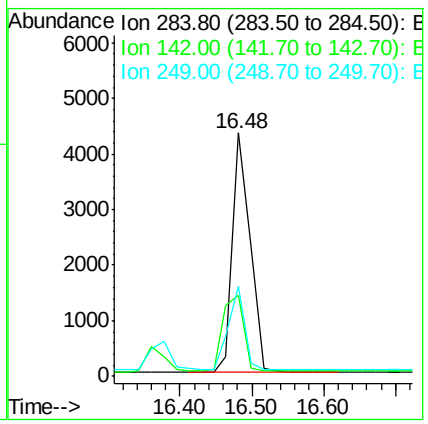




#17
Hexachlorobenzene
Concen: 0.25 ng
RT: 16.48 min Scan# 975
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

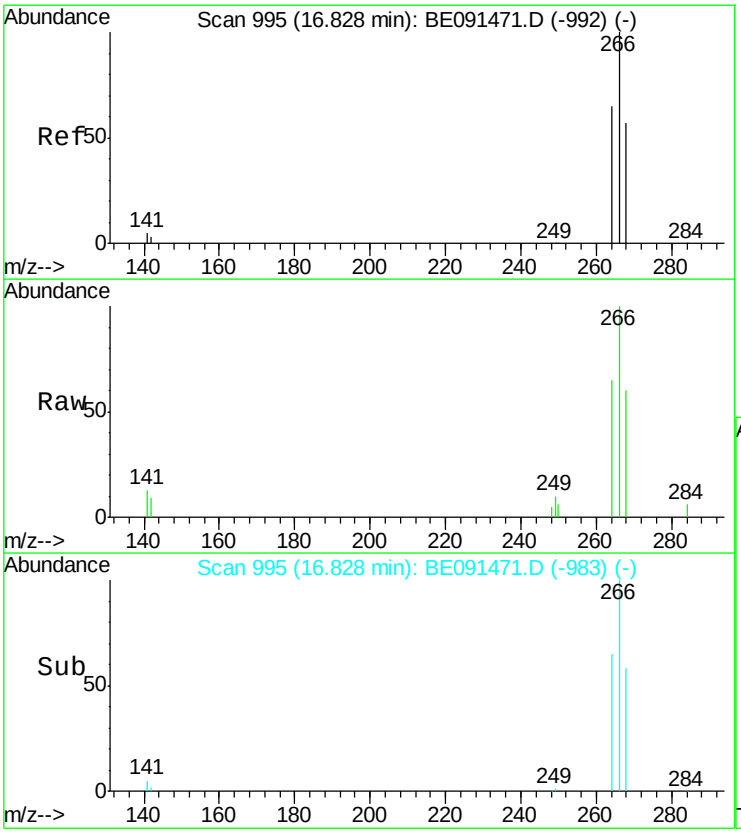
Tgt Ion:284 Resp: 7234

Ion	Ratio	Lower	Upper
284	100		
142	38.7	31.0	46.4
249	32.3	25.8	38.8



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

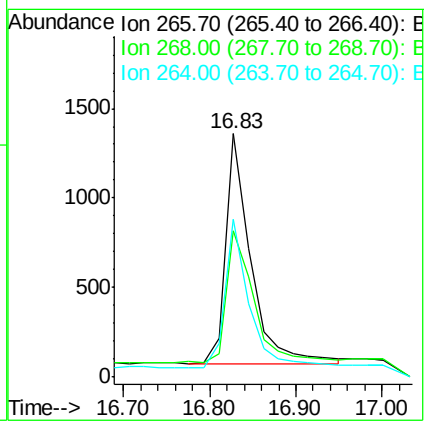
Manual Integrations APPROVED
UMANGI
3/18/2016 6:10:46 PM

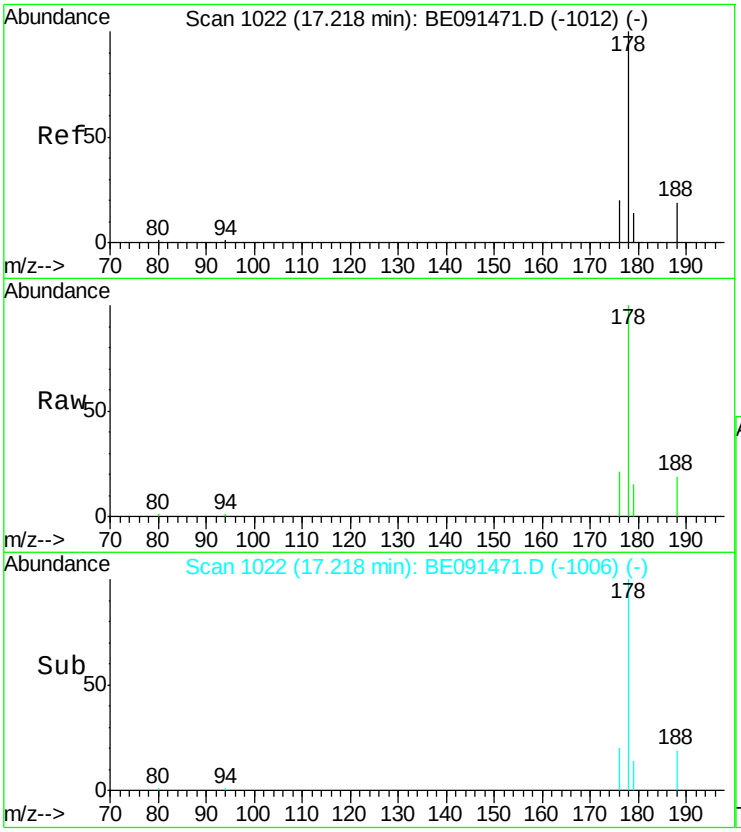


#18
Pentachlorophenol
Concen: 0.91 ng
RT: 16.83 min Scan# 995
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

Tgt Ion:266 Resp: 2579

Ion	Ratio	Lower	Upper
266	100		
268	60.2	48.2	72.2
264	65.1	52.1	78.1

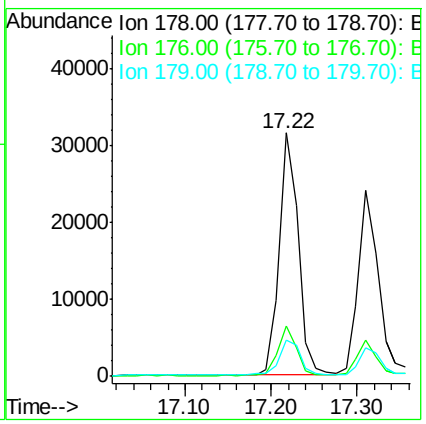




#19
Phenanthrene
Concen: 0.34 ng
RT: 17.22 min Scan# 1022
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

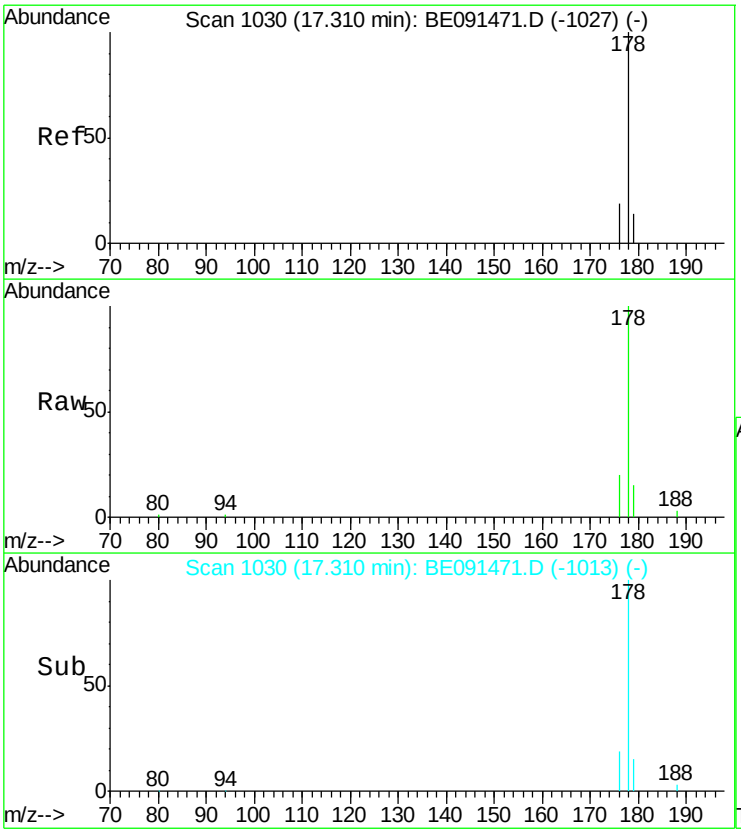
Tgt Ion:178 Resp: 48930

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	16.4	13.1	19.7



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

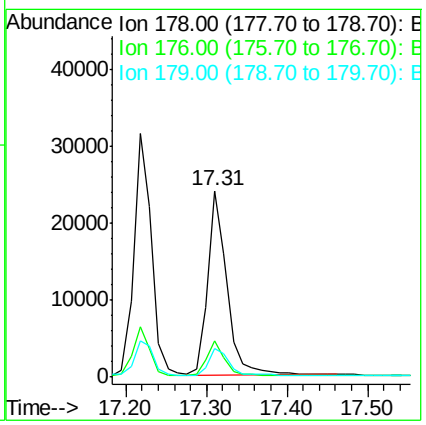
Manual Integrations APPROVED
UMANGI
3/18/2016 6:10:46 PM

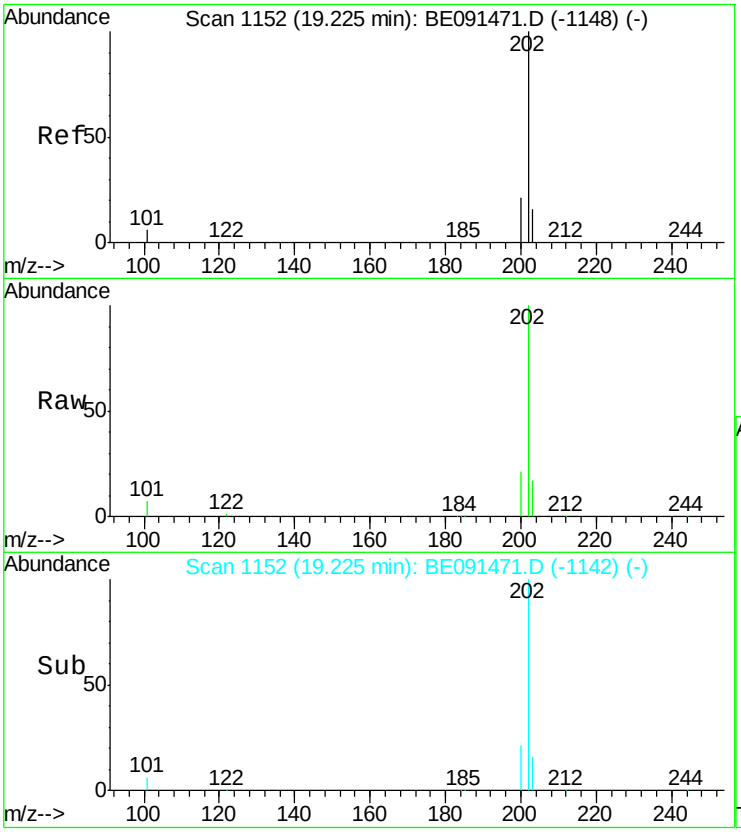


#20
Anthracene
Concen: 0.31 ng
RT: 17.31 min Scan# 1030
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

Tgt Ion:178 Resp: 40214

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.3	12.2	18.4





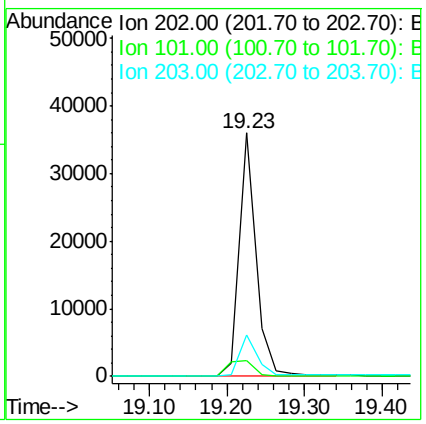
#21
Fluoranthene
Concen: 0.35 ng
RT: 19.23 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

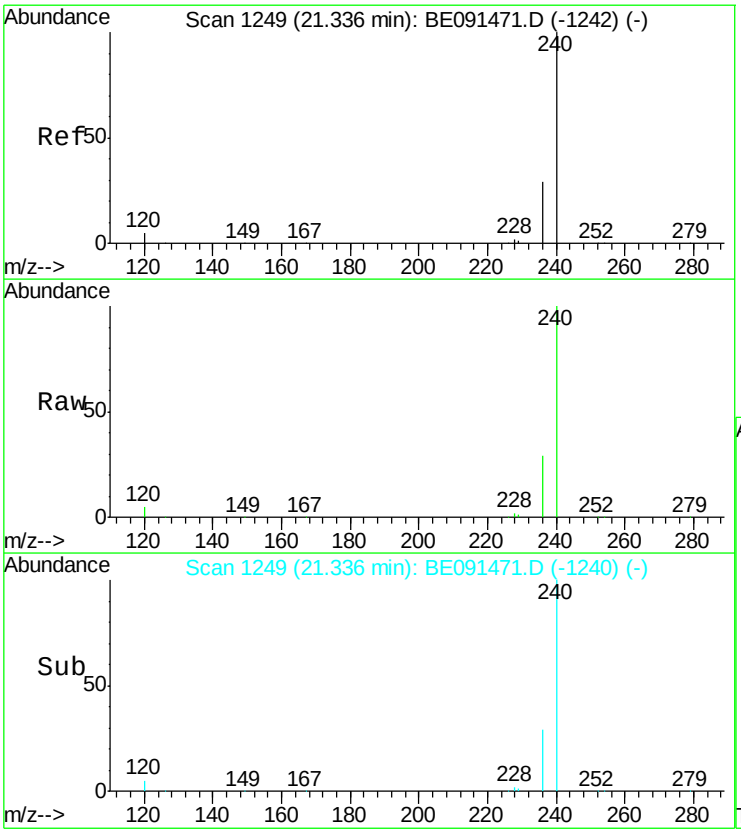
Tgt Ion:202 Resp: 53799

Ion	Ratio	Lower	Upper
202	100		
101	10.4	8.3	12.5
203	17.4	13.9	20.9

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Manual Integrations APPROVED
UMANGI
3/18/2016 6:10:46 PM

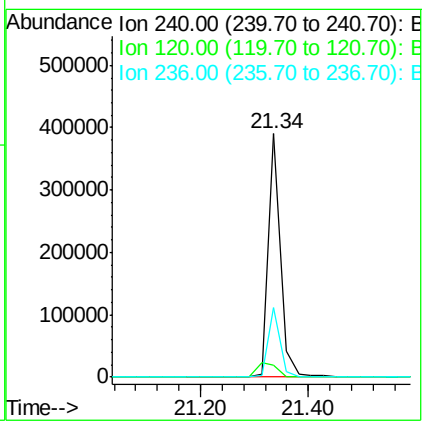


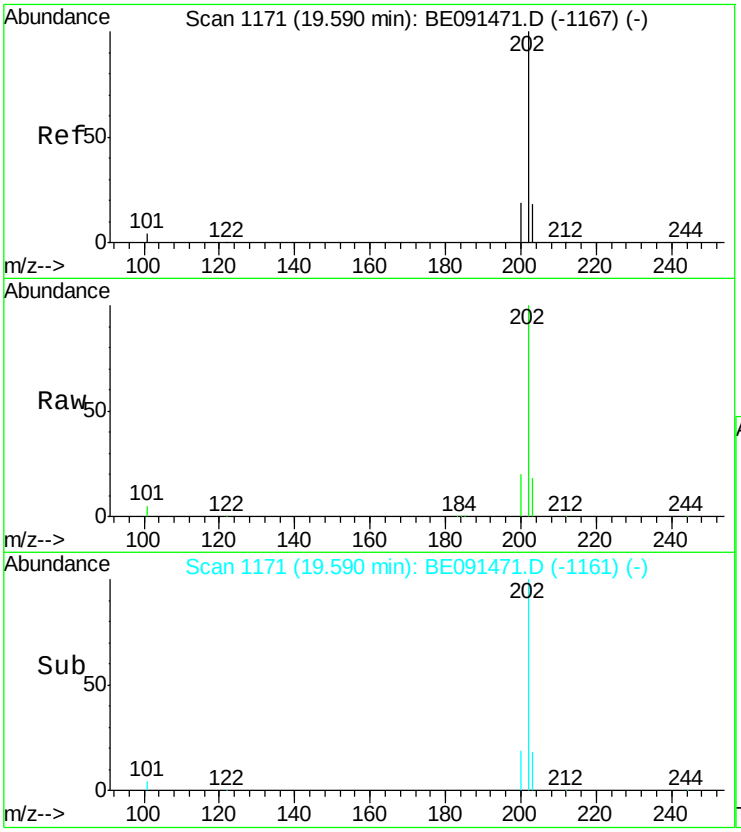


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.34 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

Tgt Ion:240 Resp: 617686

Ion	Ratio	Lower	Upper
240	100		
120	5.0	4.0	6.0
236	28.7	23.0	34.4





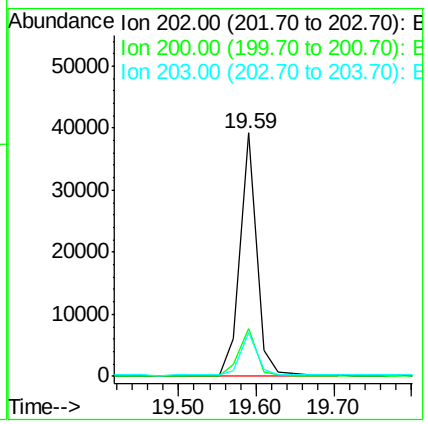
#23
Pyrene
Concen: 0.25 ng
RT: 19.59 min Scan# 1171
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

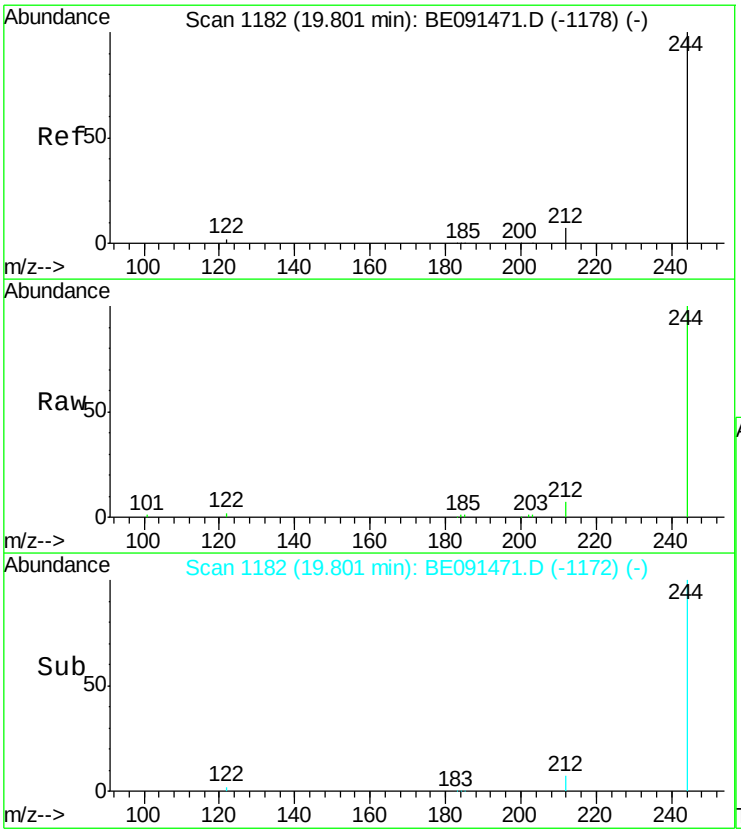
Tgt Ion:202 Resp: 58251

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.4	24.6
203	18.2	14.6	21.8

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Manual Integrations APPROVED
UMANGI
3/18/2016 6:10:46 PM

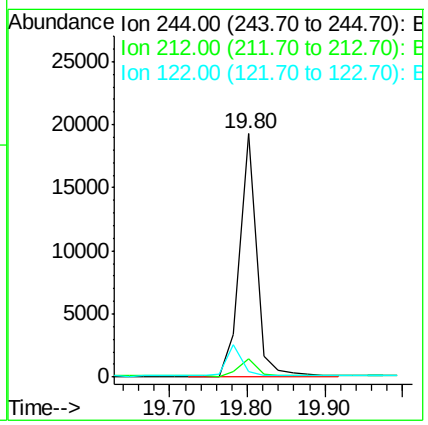


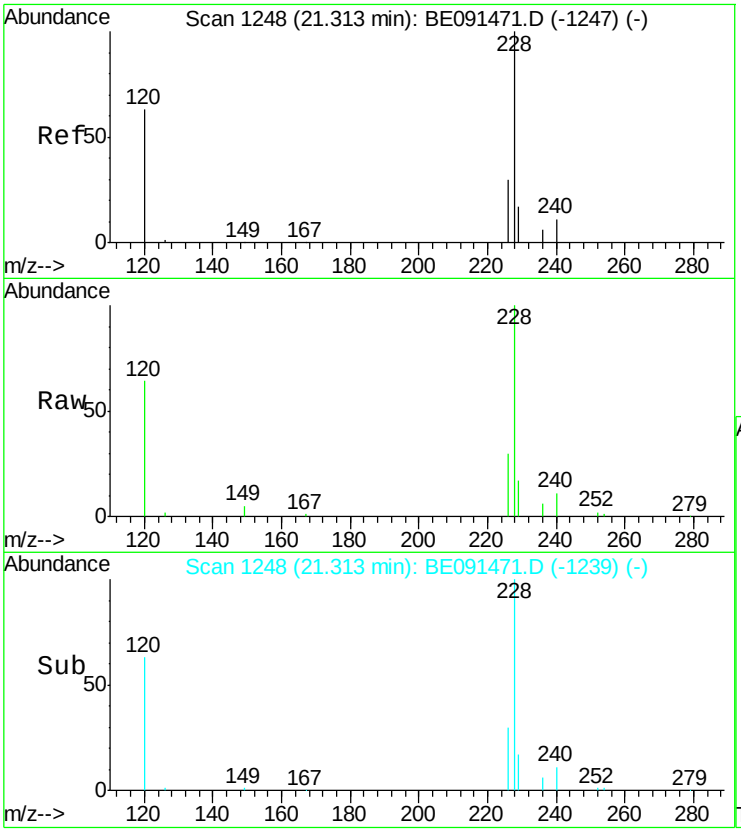


#24
Terphenyl-d14
Concen: 0.38 ng
RT: 19.80 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

Tgt Ion:244 Resp: 29177

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	2.3	1.8	2.8

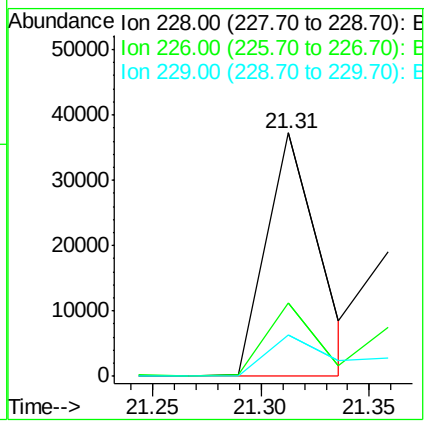




#25
Benzo(a)anthracene
Concen: 0.31 ng m
RT: 21.31 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

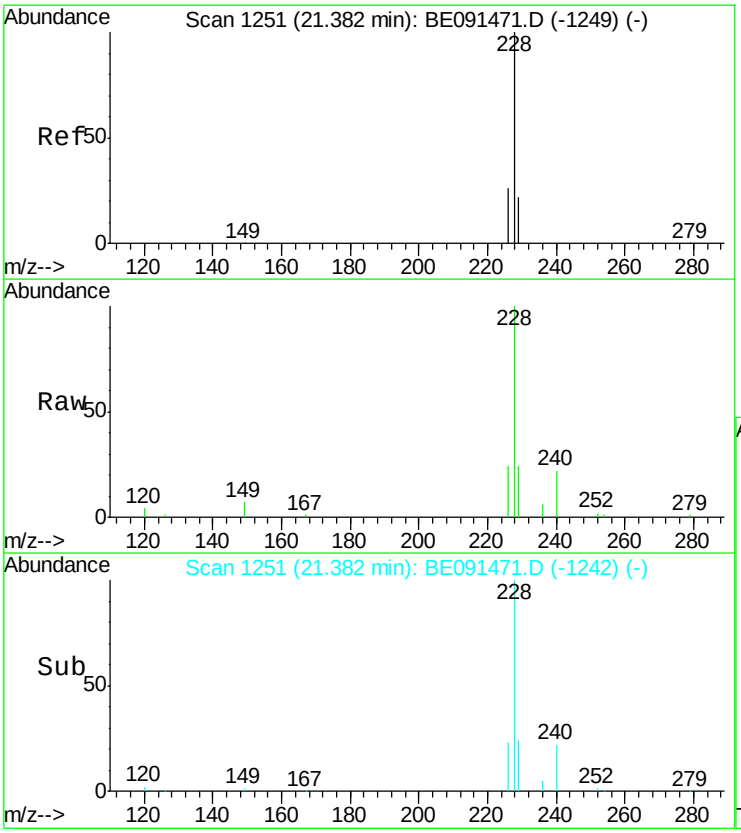
Tgt Ion:228 Resp: 63396

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	17.2	13.8	20.6



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

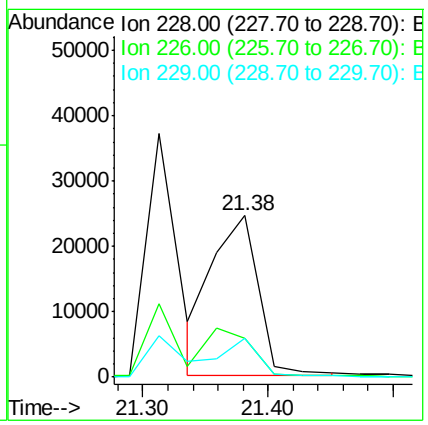
Manual Integrations APPROVED
UMANGI
3/18/2016 6:10:46 PM

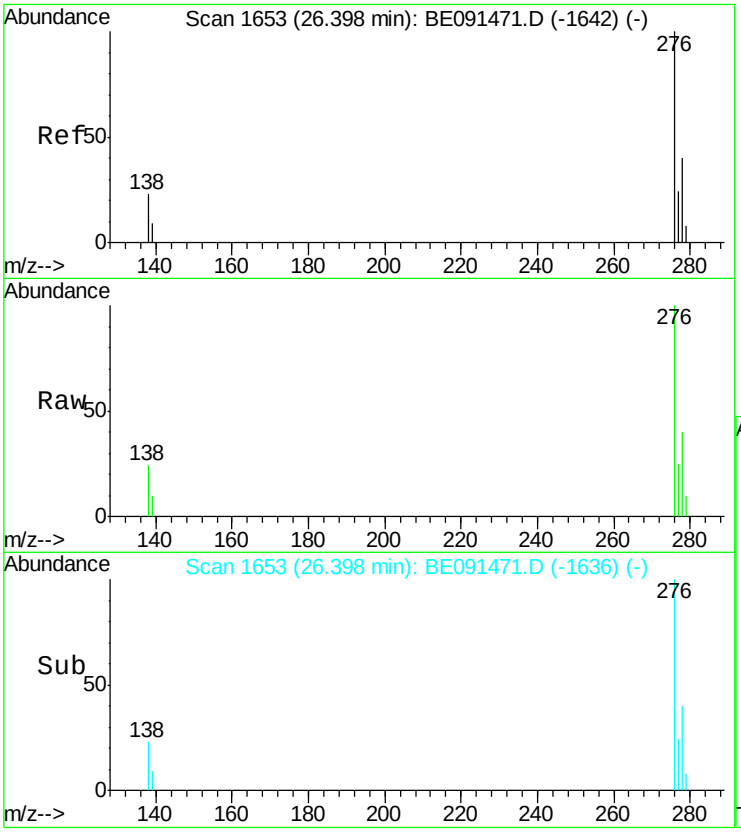


#26
Chrysene
Concen: 0.29 ng m
RT: 21.38 min Scan# 1251
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

Tgt Ion:228 Resp: 63531

Ion	Ratio	Lower	Upper
228	100		
226	23.6	18.9	28.3
229	23.9	19.1	28.7

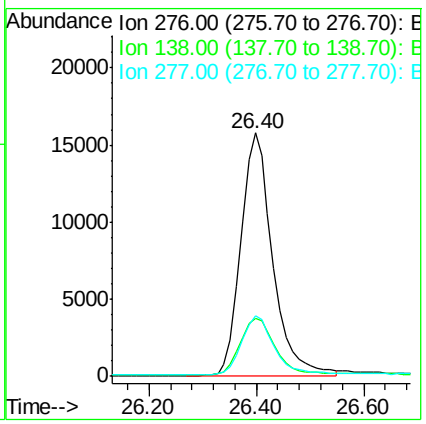




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.37 ng
RT: 26.40 min Scan# 1653
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

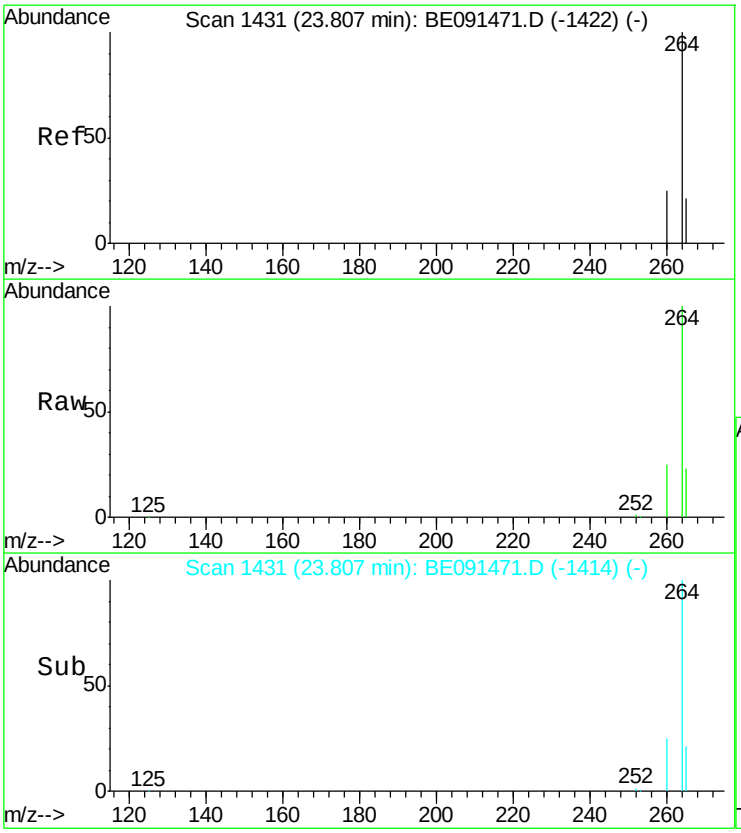
Tgt Ion:276 Resp: 64333

Ion	Ratio	Lower	Upper
276	100		
138	25.3	20.2	30.4
277	24.8	19.8	29.8



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

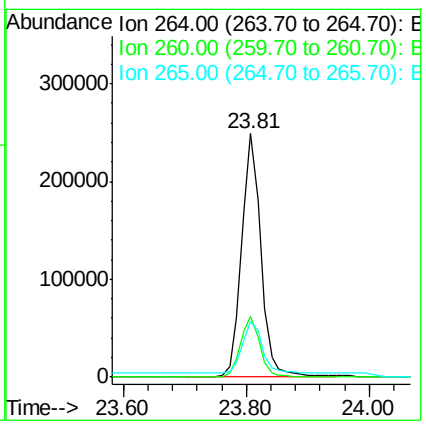
Manual Integrations APPROVED
UMANGI
3/18/2016 6:10:46 PM

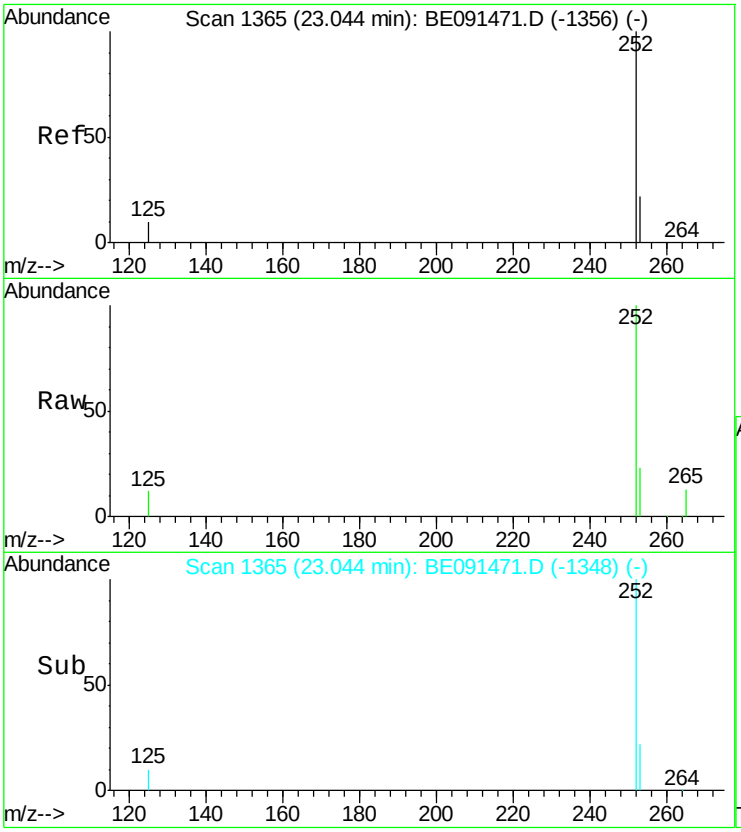


#28
Perylene-d12
Concen: 5.00 ng
RT: 23.81 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

Tgt Ion:264 Resp: 549653

Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.1	30.1
265	22.9	18.3	27.5





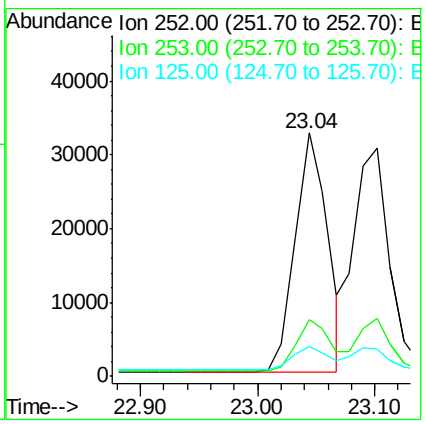
#29
Benzo(b)fluoranthene
Concen: 0.31 ng
RT: 23.04 min Scan# 1365
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

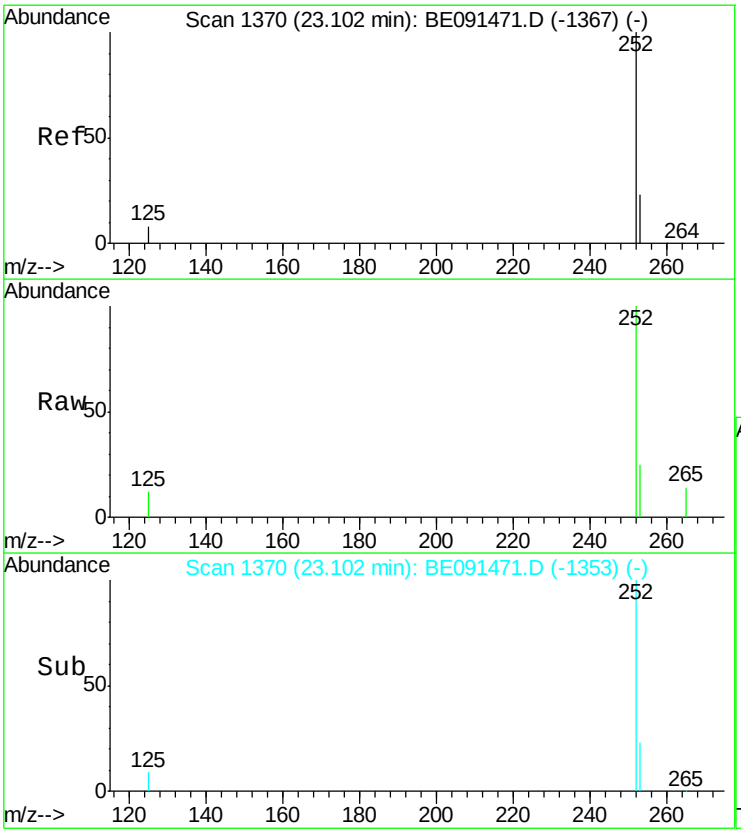
Tgt Ion:252 Resp: 62321

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.7	28.1
125	12.2	9.8	14.6

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Manual Integrations APPROVED
UMANGI
3/18/2016 6:10:46 PM

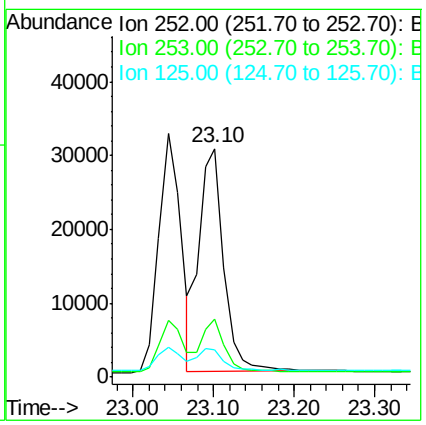


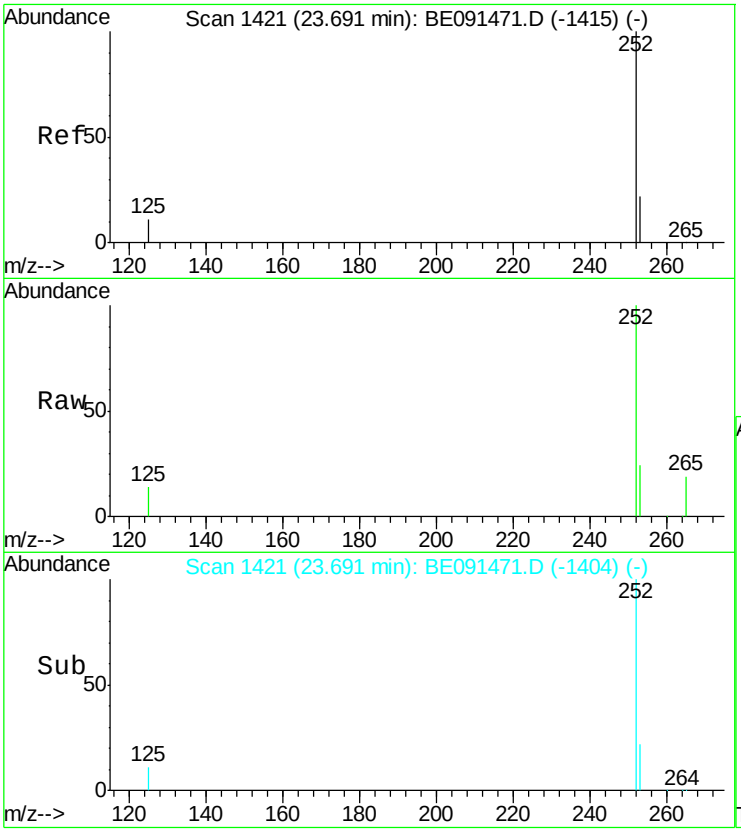


#30
Benzo(k)fluoranthene
Concen: 0.33 ng
RT: 23.10 min Scan# 1370
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

Tgt Ion:252 Resp: 65270

Ion	Ratio	Lower	Upper
252	100		
253	25.3	20.2	30.4
125	11.8	9.4	14.2

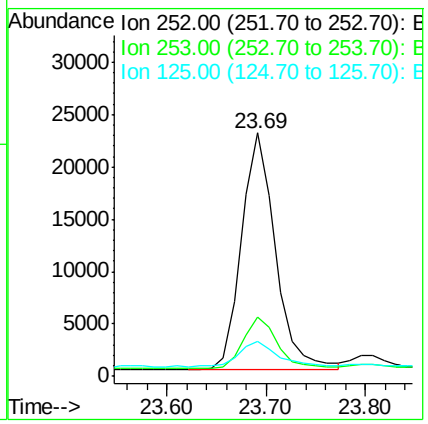




#31
Benzo(a)pyrene
Concen: 0.32 ng
RT: 23.69 min Scan# 1421
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

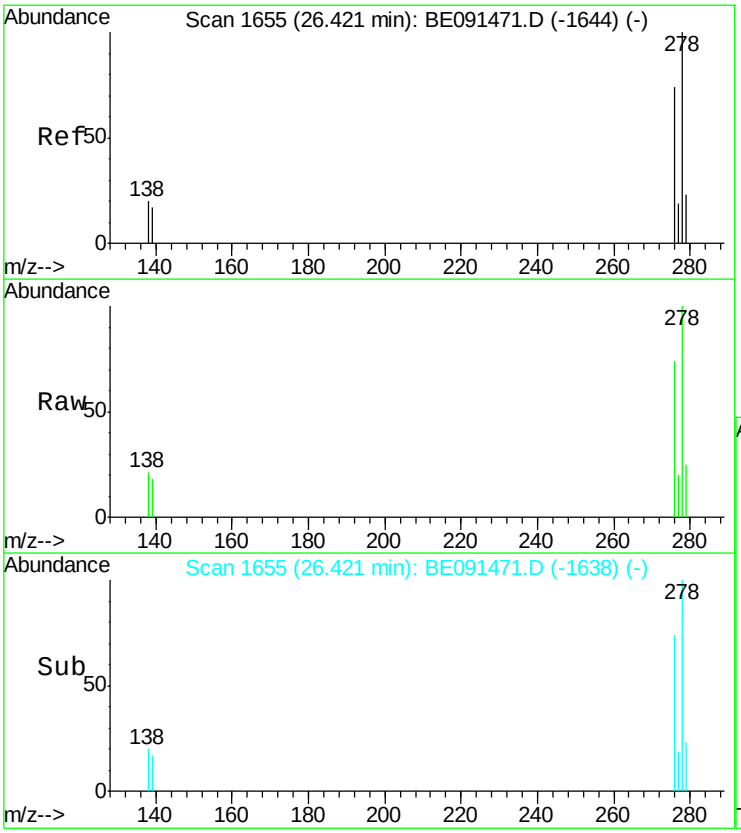
Tgt Ion:252 Resp: 53622

Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.4	29.0
125	14.3	11.4	17.2



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

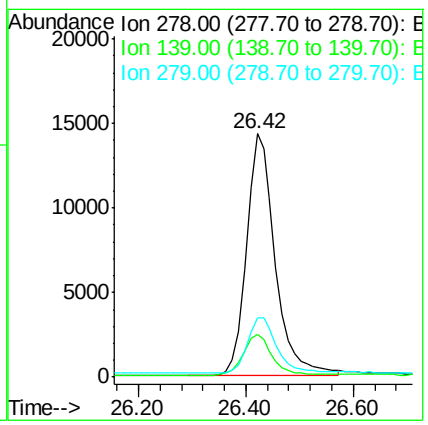
Manual Integrations APPROVED
UMANGI
3/18/2016 6:10:46 PM

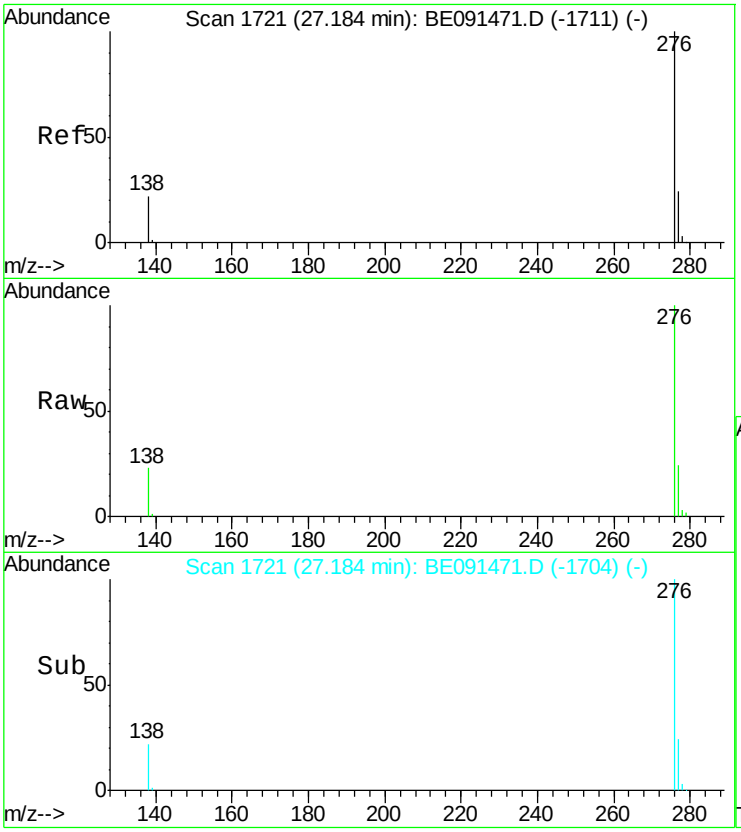


#32
Dibenzo(a,h)anthracene
Concen: 0.38 ng
RT: 26.42 min Scan# 1655
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

Tgt Ion:278 Resp: 53245

Ion	Ratio	Lower	Upper
278	100		
139	17.8	14.2	21.4
279	24.5	19.6	29.4

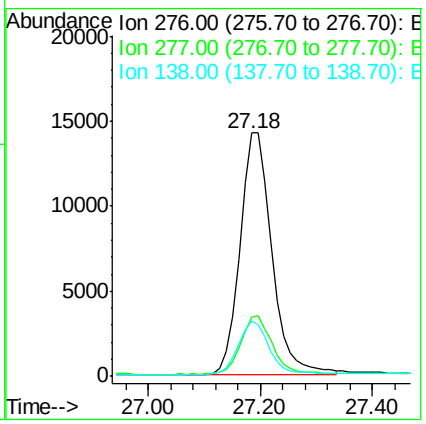




#33
Benzo(g,h,i)perylene
Concen: 0.35 ng
RT: 27.18 min Scan# 1721
Delta R.T. 0.00 min
Lab File: BE091471.D
Acq: 17 Mar 2016 17:54

Tgt Ion:276 Resp: 56798

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.4	29.2
138	22.8	18.2	27.4



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Manual Integrations APPROVED
UMANGI
3/18/2016 6:10:46 PM