Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031816\
Data File : BE091473.D
Acq On : 17 Mar 2016 19:08
Operator : UM/SJ
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Manual Integrations APPROVED
UMANGI
3/18/2016 6:10:50 PM

Quant Time: Mar 18 03:48:22 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	59673	5.00	ng		0.00
6) Naphthalene-d8	10.61	136	274928	5.00	ng		0.00
10) Acenaphthene-d10	14.44	164	163981	5.00	ng		0.00
16) Phenanthrene-d10	17.18	188	400318	5.00	ng		0.00
22) Chrysene-d12	21.34	240	600831	5.00	ng		0.00
28) Perylene-d12	23.81	264	500981	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.43	112	21723	2.02	ng		0.00
5) Phenol-d6	6.99	99	27982	2.19	ng		0.00
7) Nitrobenzene-d5	8.98	82	19012	1.62	ng		0.00
11) 2,4,6-Tribromophenol	15.93	330	7096m	1.62	ng		0.00
12) 2-Fluorobiphenyl	13.07	172	67030	1.47	ng		0.00
24) Terphenyl-d14	19.80	244	108868	1.45	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.37	88	11324	1.67	ng		97
3) n-Nitrosodimethylamine	3.66	42	17621	3.44	ng		92
8) Naphthalene	10.65	128	106317	1.45	ng		99
9) 2-Methylnaphthalene	12.27	142	69553	1.50	ng		96
13) Acenaphthylene	14.16	152	112014	1.38	ng		98
14) Acenaphthene	14.50	154	79818	1.37	ng		99
15) Fluorene	15.49	166	102969	1.52	ng		100
17) Hexachlorobenzene	16.48	284	27500	1.08	ng		99
18) Pentachlorophenol	16.83	266	11145	4.51	ng		94
19) Phenanthrene	17.22	178	183563	1.46	ng		99
20) Anthracene	17.31	178	163003	1.46	ng		100
21) Fluoranthene	19.22	202	214600	1.59	ng		100
23) Pyrene	19.59	202	224460	1.01	ng		99
25) Benzo(a)anthracene	21.31	228	253832m	1.28	ng		
26) Chrysene	21.38	228	228372m	1.09	ng		
27) Indeno(1,2,3-cd)pyrene	26.39	276	265696	1.58	ng		100
29) Benzo(b)fluoranthene	23.04	252	244709	1.35	ng		97
30) Benzo(k)fluoranthene	23.09	252	248758	1.38	ng		94
31) Benzo(a)pyrene	23.69	252	219287	1.43	ng	#	95
32) Dibenzo(a,h)anthracene	26.42	278	223443	1.73	ng		98
33) Benzo(g,h,i)perylene	27.18	276	229118	1.57	ng		99

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

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Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Manual Integrations APPROVED
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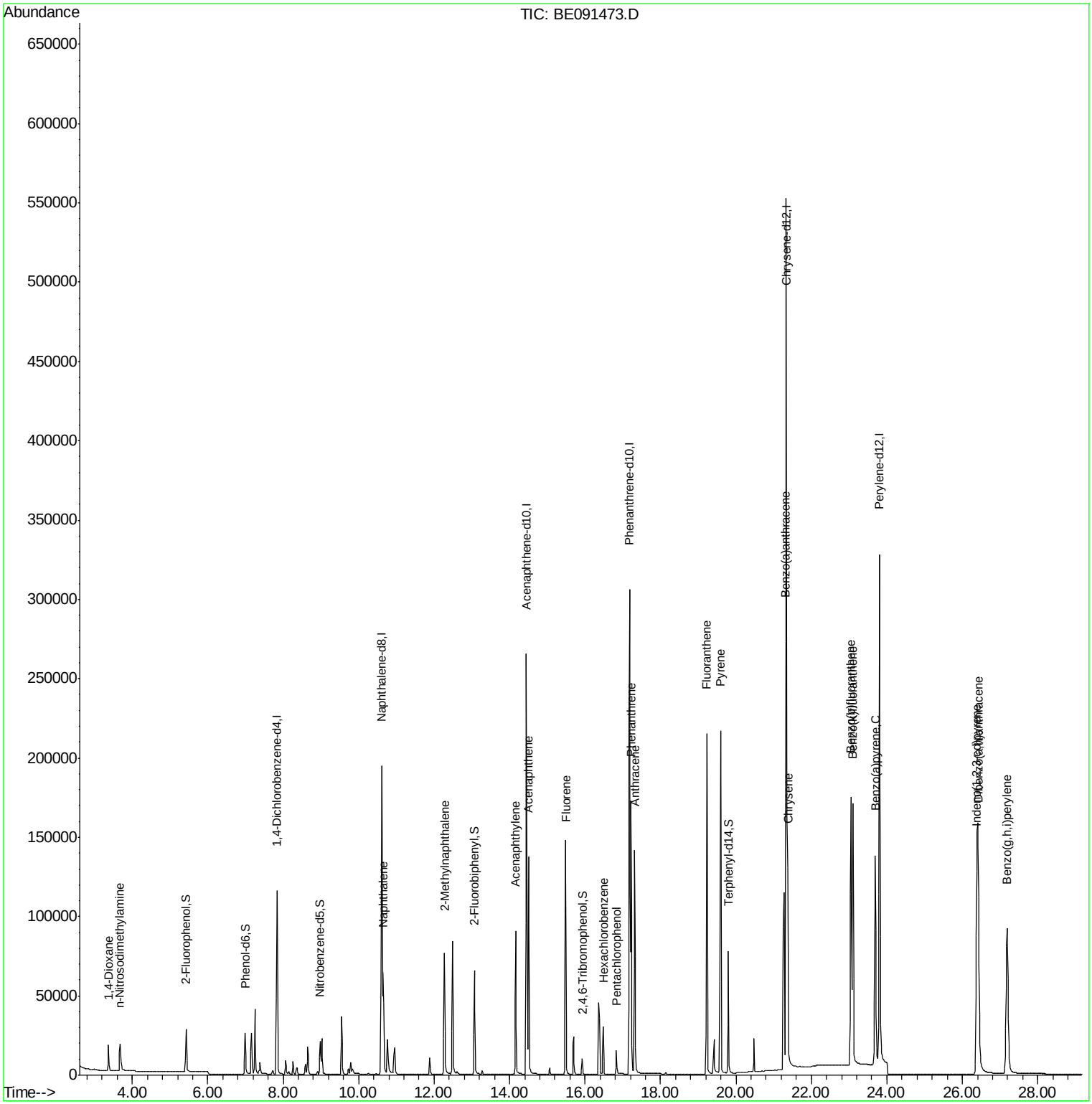
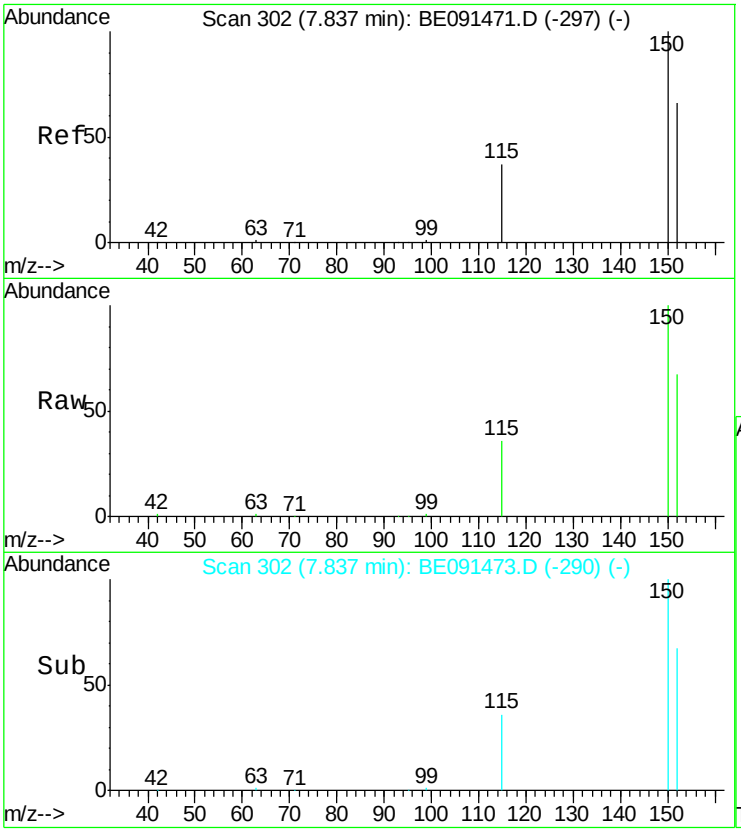
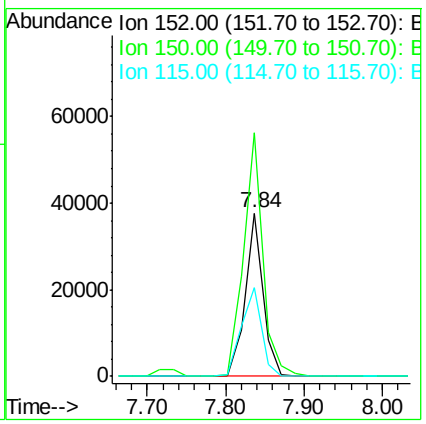




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.84 min Scan# 302
Delta R.T. 0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion:152 Resp: 59673

Ion	Ratio	Lower	Upper
152	100		
150	149.0	122.2	183.2
115	54.3	45.9	68.9



Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Manual Integrations APPROVED
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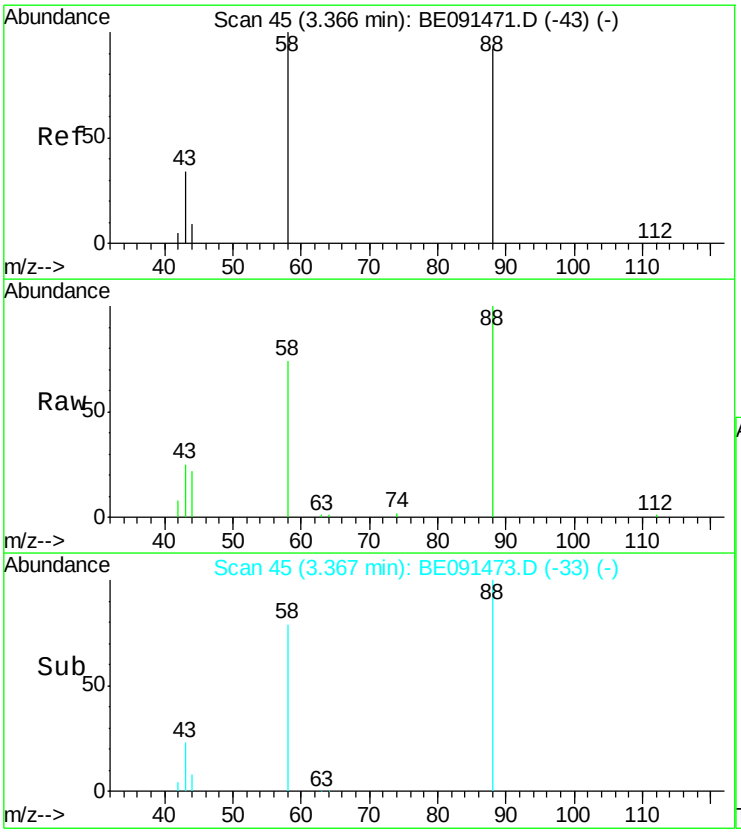
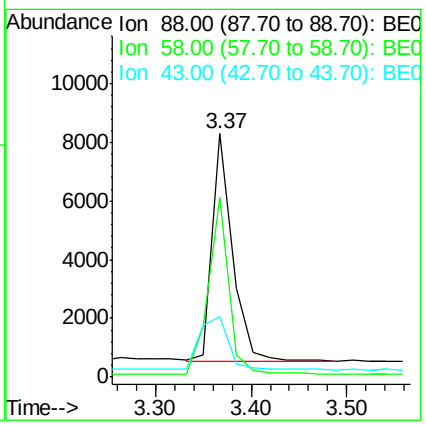
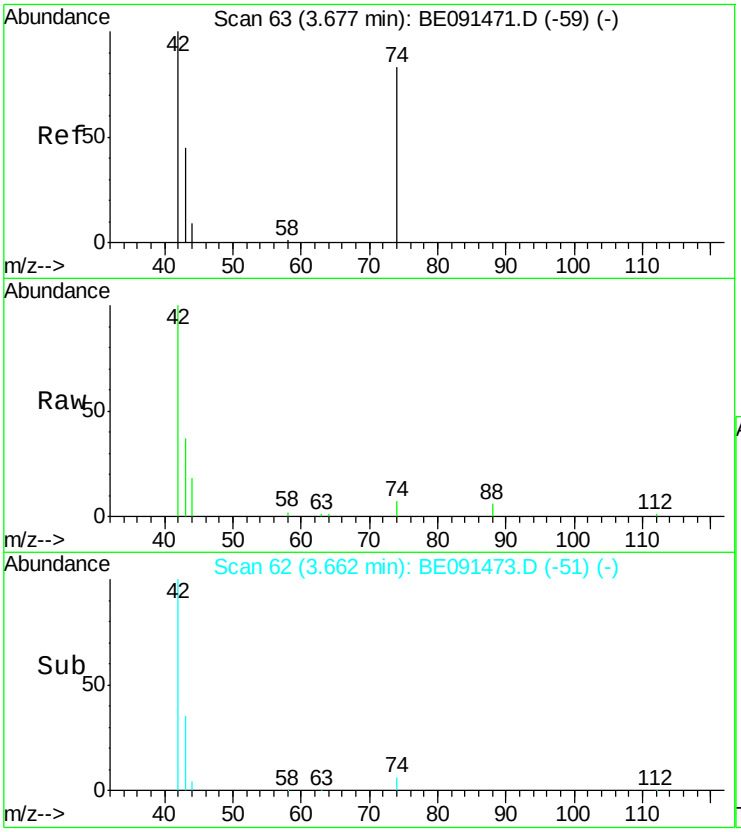


#2
1,4-Dioxane
Concen: 1.67 ng
RT: 3.37 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion: 88 Resp: 11324

Ion	Ratio	Lower	Upper
88	100		
58	78.4	61.0	91.6
43	33.6	25.4	38.2

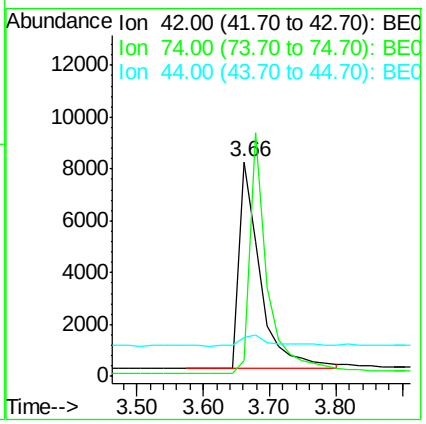




#3
n-Nitrosodimethylamine
Concen: 3.44 ng
RT: 3.66 min Scan# 62
Delta R.T. -0.02 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion: 42 Resp: 17621

Ion	Ratio	Lower	Upper
42	100		
74	97.0	84.3	126.5
44	7.9	6.7	10.1



Instrument :
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ClientSampleId :
SSTDICC1.6

Manual Integrations APPROVED
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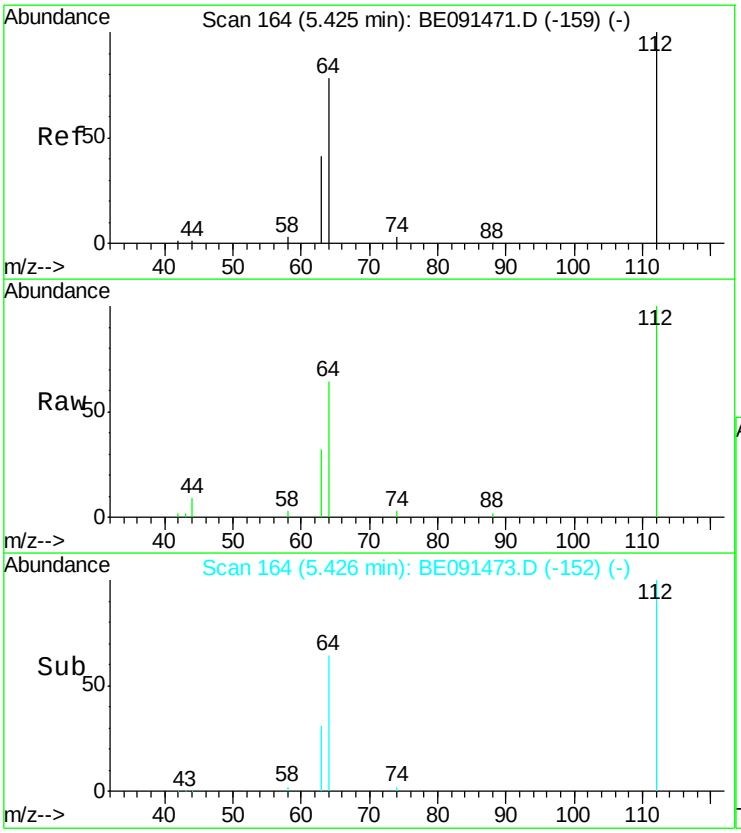
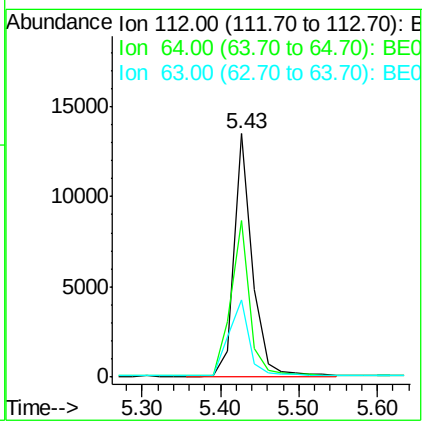
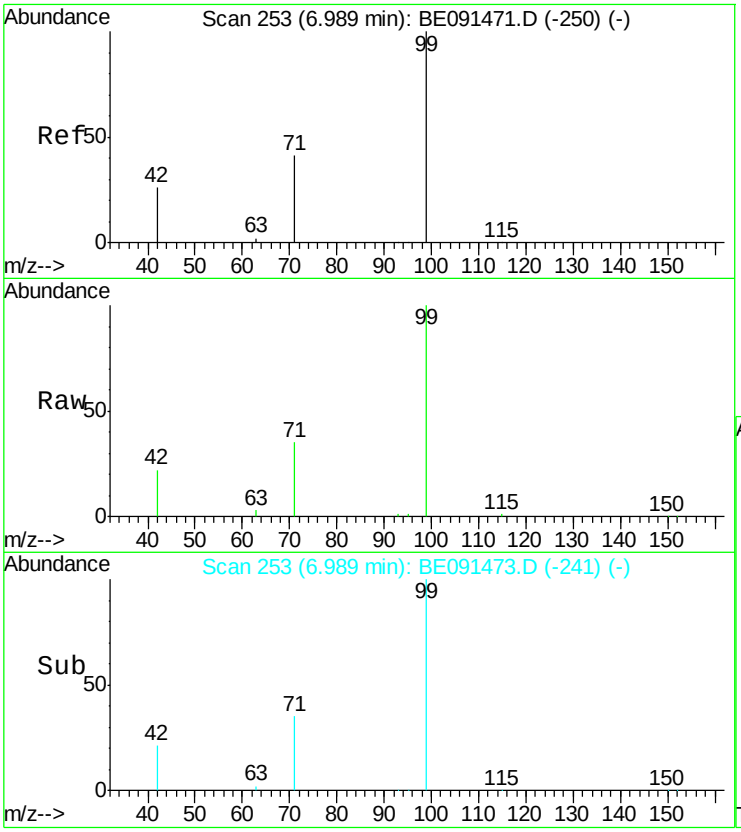


#4
2-Fluorophenol
Concen: 2.02 ng
RT: 5.43 min Scan# 164
Delta R.T. 0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion:112 Resp: 21723

Ion	Ratio	Lower	Upper
112	100		
64	66.0	53.3	79.9
63	35.3	29.8	44.8

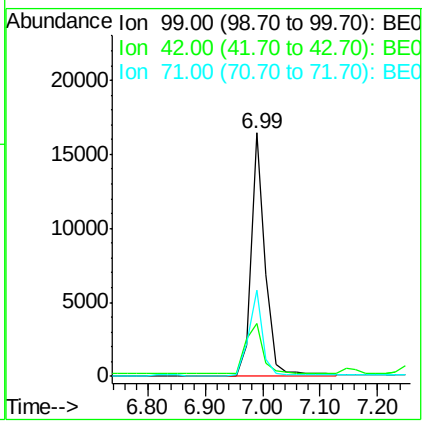




#5
Phenol-d6
Concen: 2.19 ng
RT: 6.99 min Scan# 253
Delta R.T. 0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion: 99 Resp: 27982

Ion	Ratio	Lower	Upper
99	100		
42	25.8	20.6	30.8
71	35.4	29.0	43.4



Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Manual Integrations APPROVED
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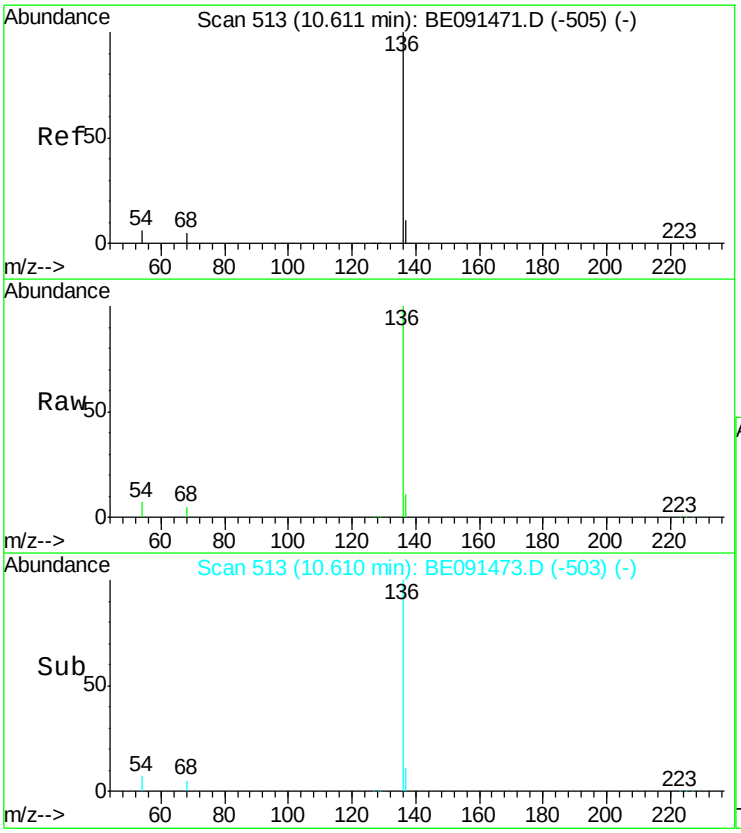
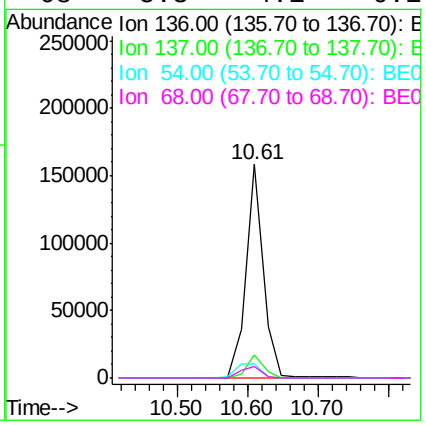
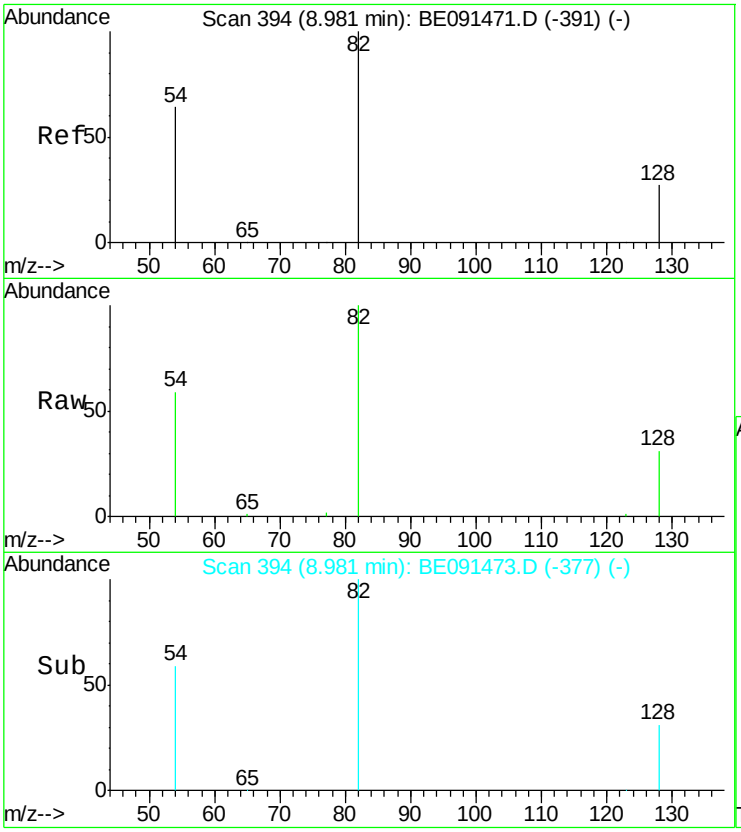


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.61 min Scan# 513
Delta R.T. -0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion:136 Resp: 274928

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.7	5.2	7.8
68	5.3	4.1	6.1

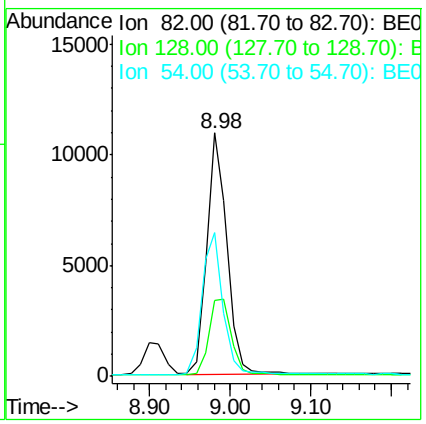




#7
Nitrobenzene-d5
Concen: 1.62 ng
RT: 8.98 min Scan# 394
Delta R.T. 0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion: 82 Resp: 19012

Ion	Ratio	Lower	Upper
82	100		
128	31.3	23.5	35.3
54	59.2	52.4	78.6



Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Manual Integrations APPROVED
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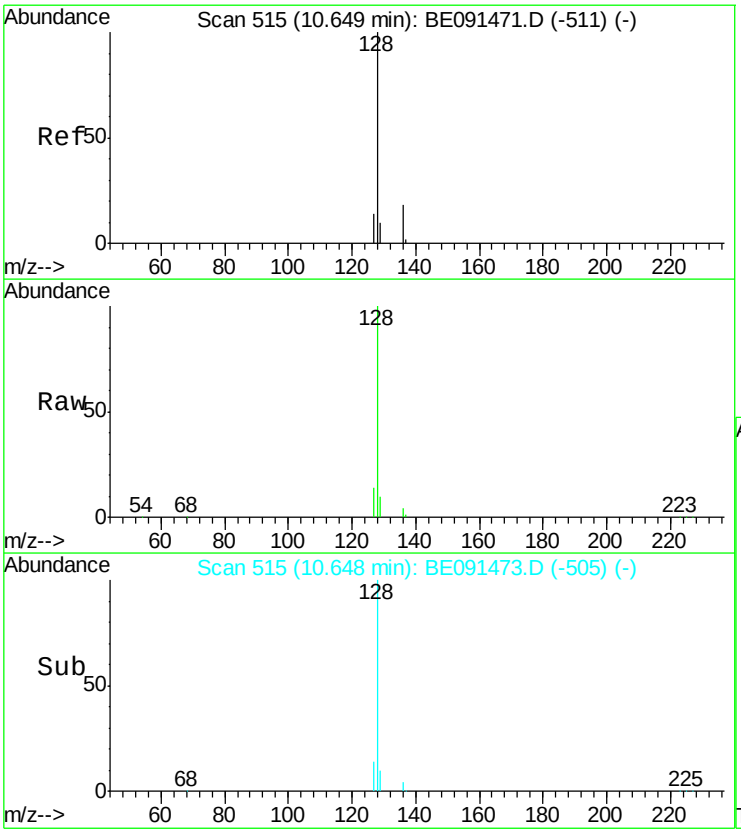
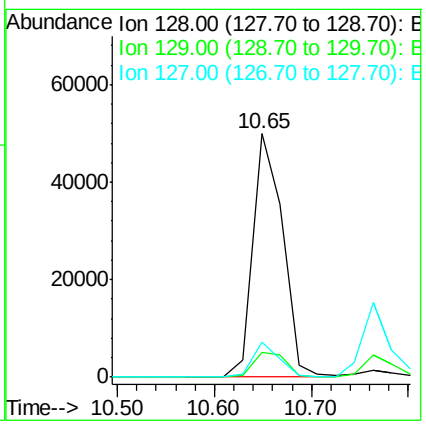
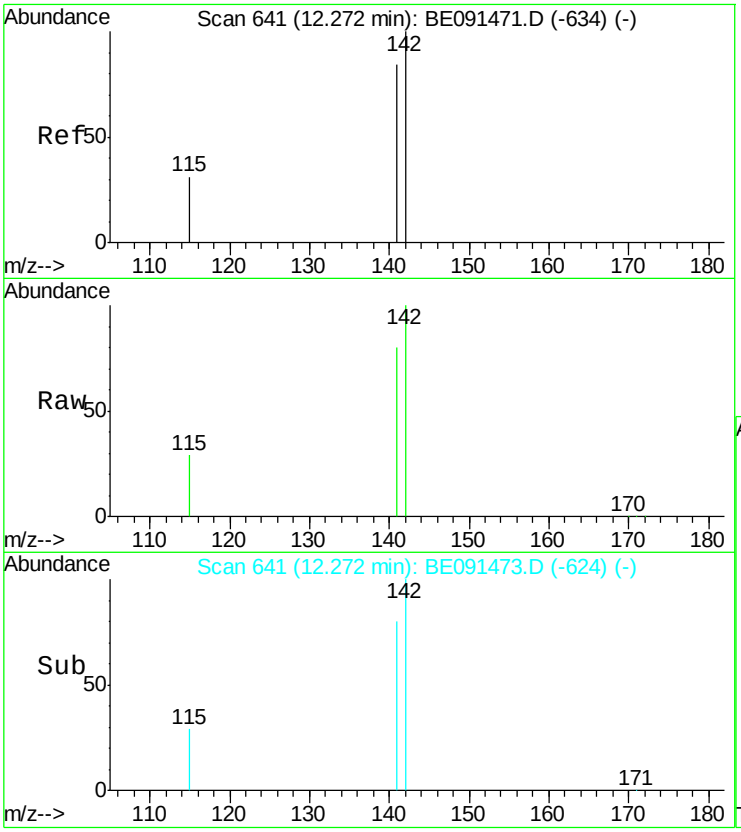


#8
Naphthalene
Concen: 1.45 ng
RT: 10.65 min Scan# 515
Delta R.T. -0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion:128 Resp: 106317

Ion	Ratio	Lower	Upper
128	100		
129	10.1	8.2	12.2
127	14.4	11.8	17.8

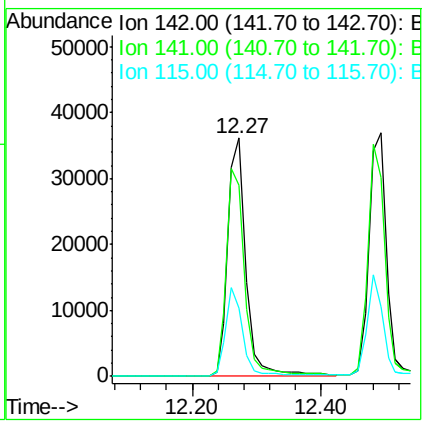




#9
2-Methylnaphthalene
Concen: 1.50 ng
RT: 12.27 min Scan# 641
Delta R.T. 0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion:142 Resp: 69553

Ion	Ratio	Lower	Upper
142	100		
141	80.3	66.9	100.3
115	28.8	25.1	37.7



Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Manual Integrations APPROVED
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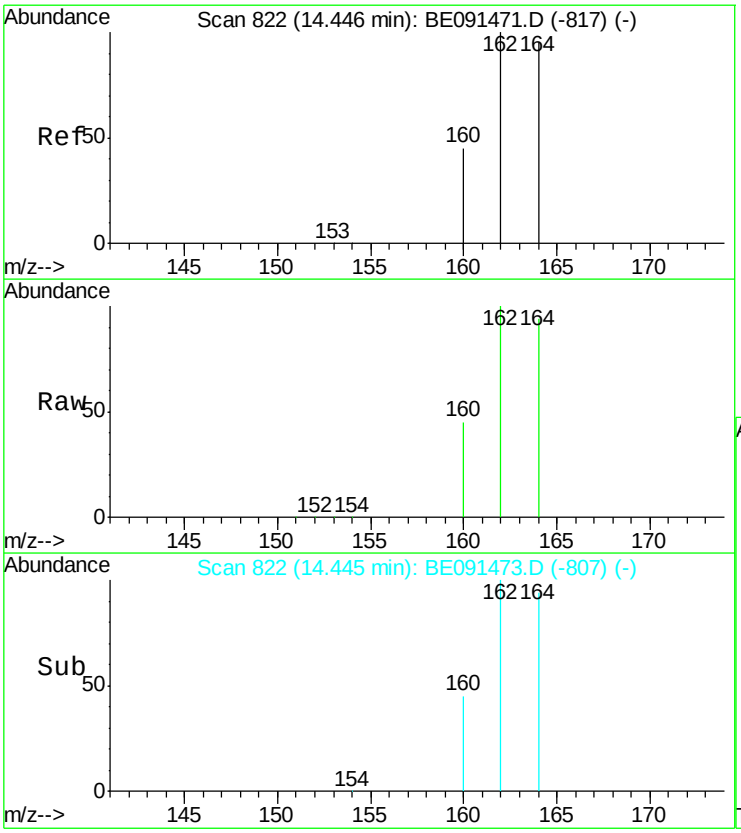
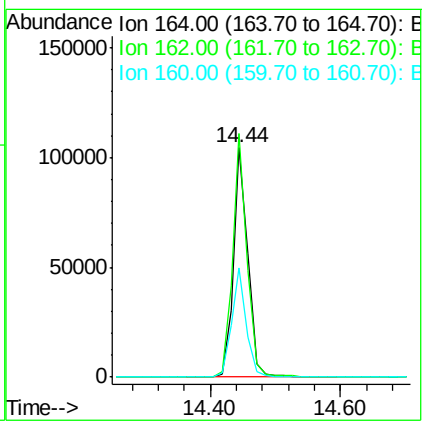
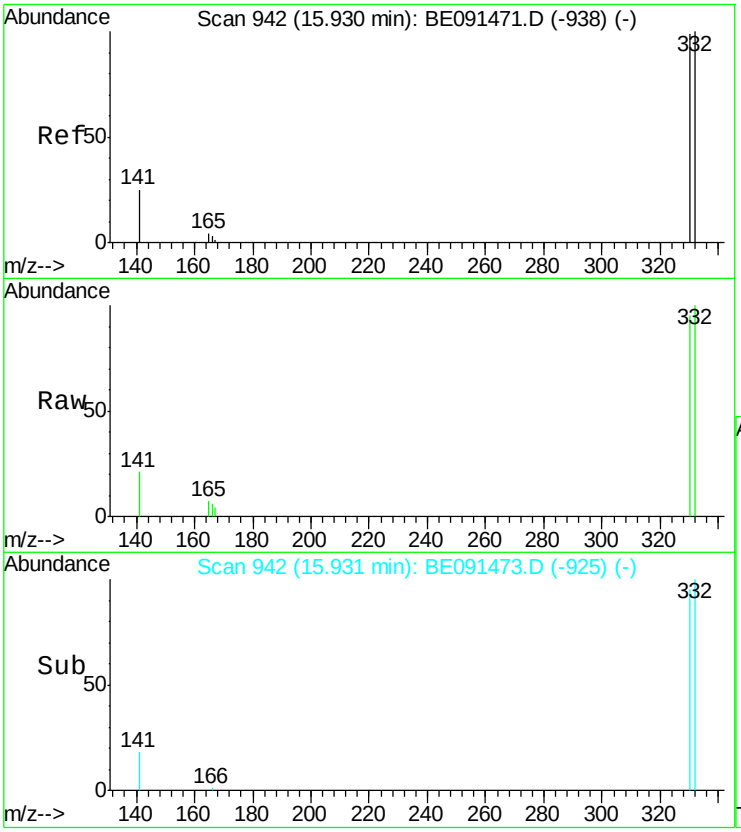


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.44 min Scan# 822
Delta R.T. -0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion:164 Resp: 163981

Ion	Ratio	Lower	Upper
164	100		
162	106.3	84.4	126.6
160	47.6	37.7	56.5





#11
2,4,6-Tribromophenol
Concen: 1.62 ng m
RT: 15.93 min Scan# 942
Delta R.T. 0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion:330 Resp: 7096

Ion	Ratio	Lower	Upper
330	100		
332	120.3	79.2	118.8#
141	48.8	28.1	42.1#

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Manual Integrations APPROVED
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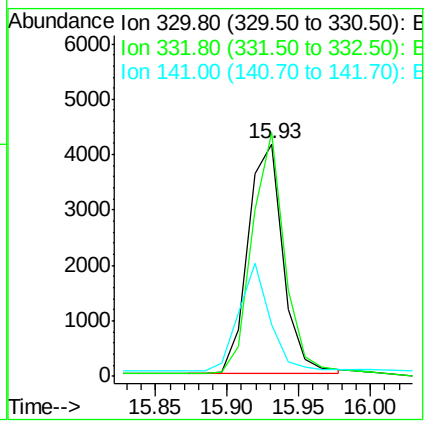
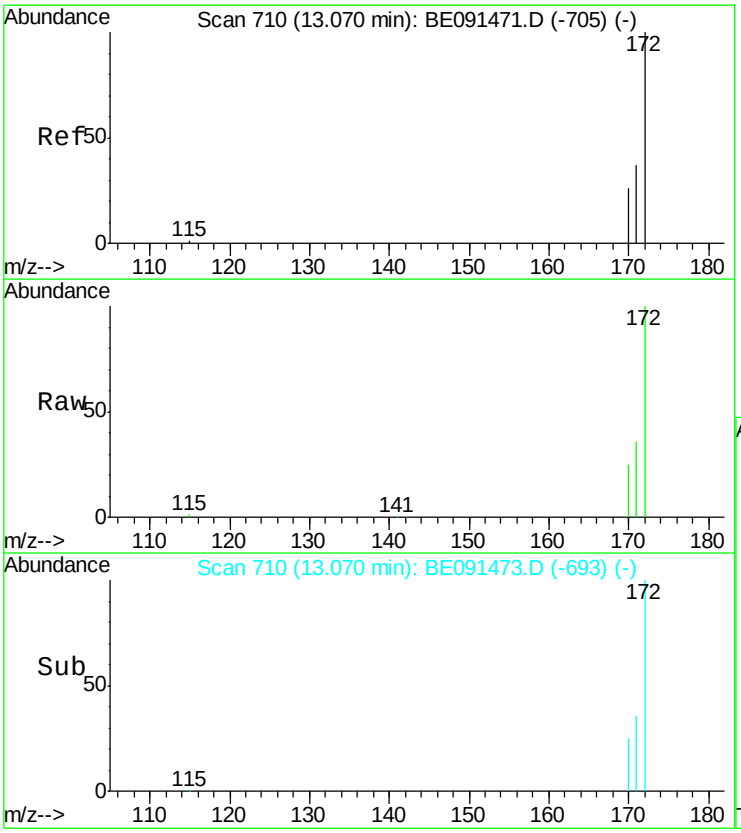
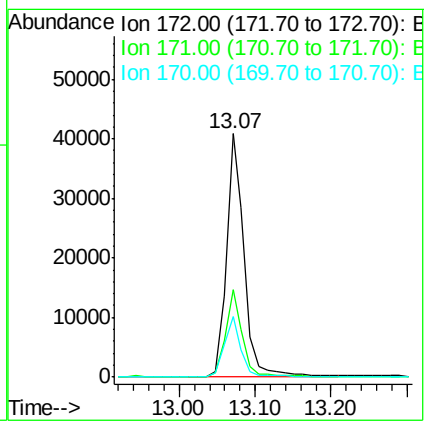


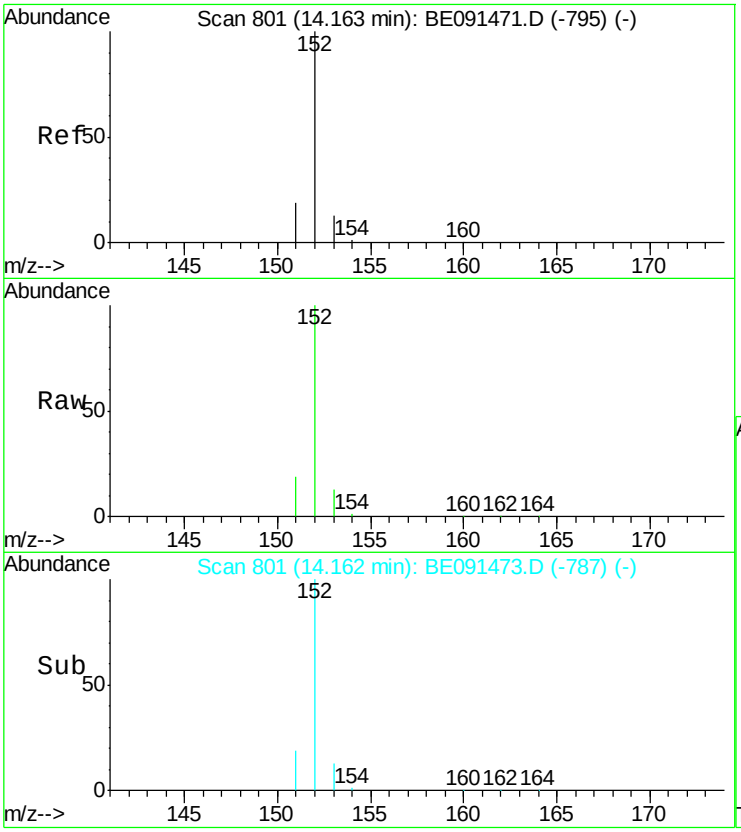


#12
2-Fluorobiphenyl
Concen: 1.47 ng
RT: 13.07 min Scan# 710
Delta R.T. 0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion:172 Resp: 67030

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.8	44.8
170	24.9	21.4	32.2

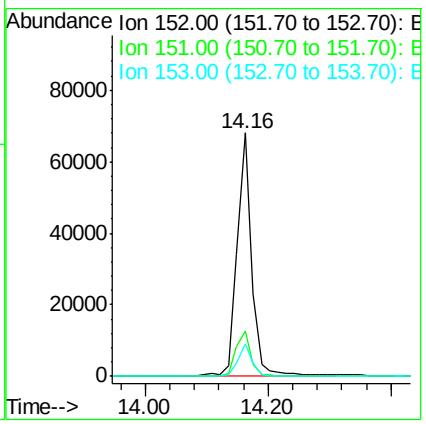




#13
Acenaphthylene
Concen: 1.38 ng
RT: 14.16 min Scan# 801
Delta R.T. -0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion:152 Resp: 112014

Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.3	24.5
153	13.1	11.1	16.7



Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Manual Integrations APPROVED
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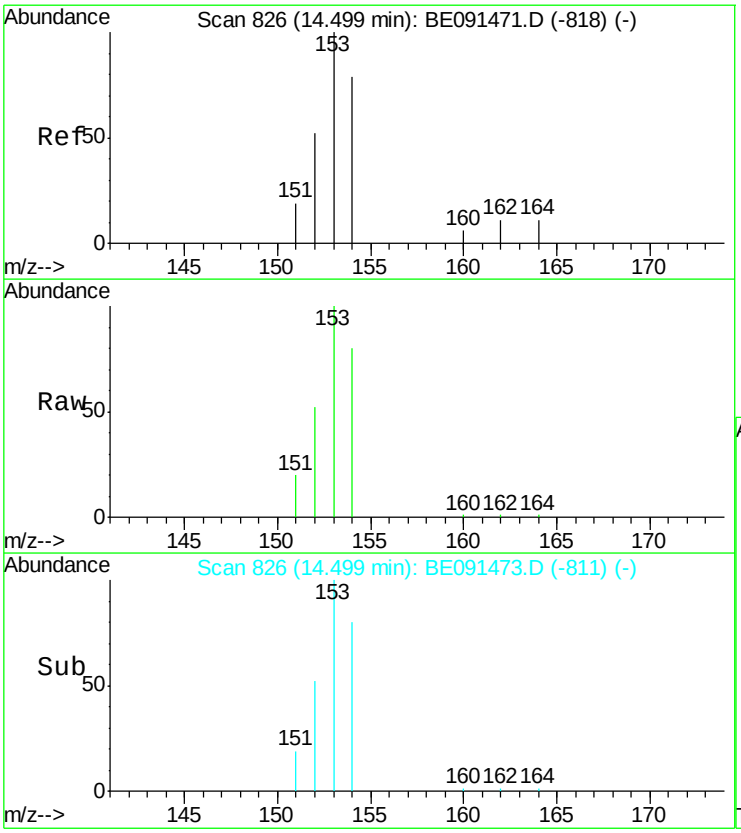
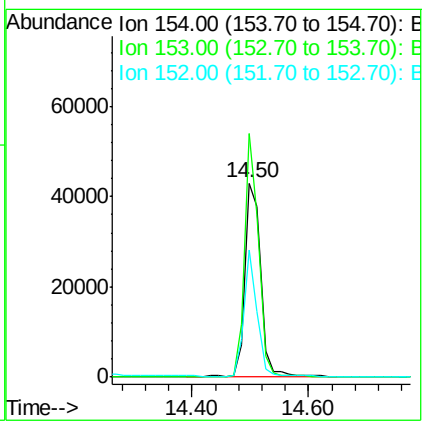
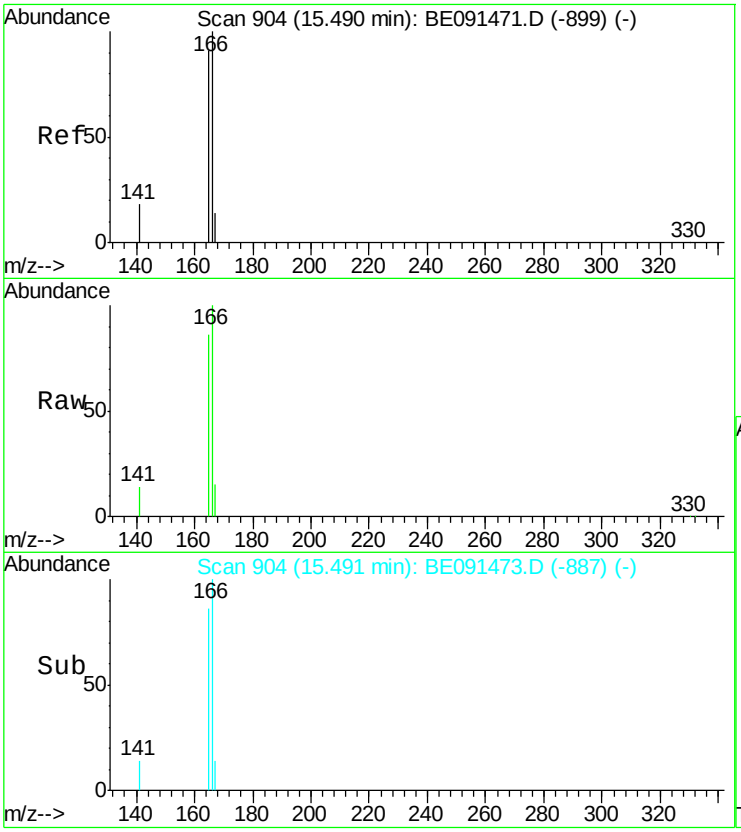


#14
Acenaphthene
Concen: 1.37 ng
RT: 14.50 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion:154 Resp: 79818

Ion	Ratio	Lower	Upper
154	100		
153	110.3	87.3	130.9
152	54.1	42.9	64.3

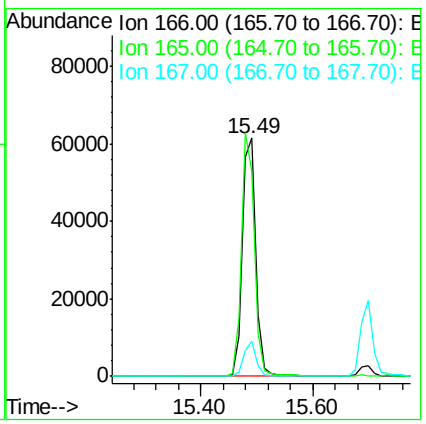




#15
Fluorene
Concen: 1.52 ng
RT: 15.49 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion:166 Resp: 102969

Ion	Ratio	Lower	Upper
166	100		
165	98.7	79.2	118.8
167	13.5	10.8	16.2



Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Manual Integrations APPROVED
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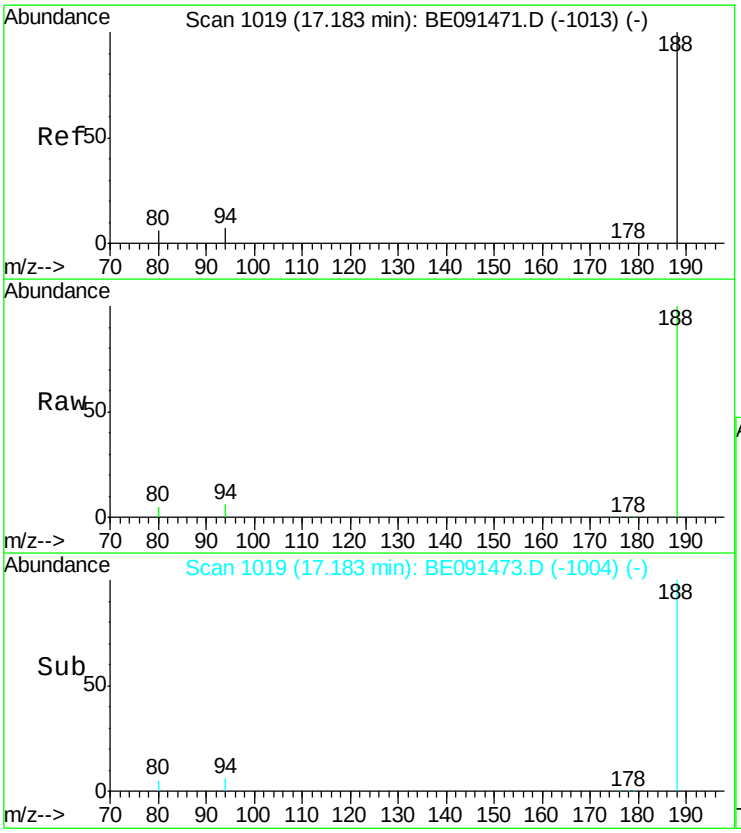
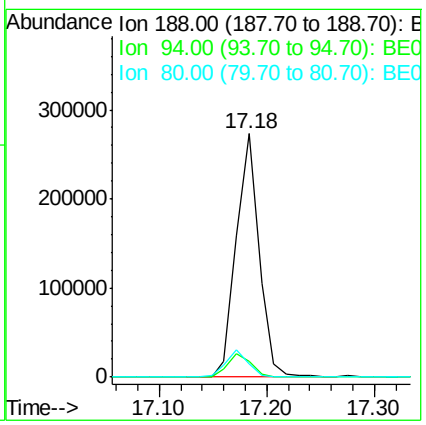
3/18/2016 6:10:50 PM

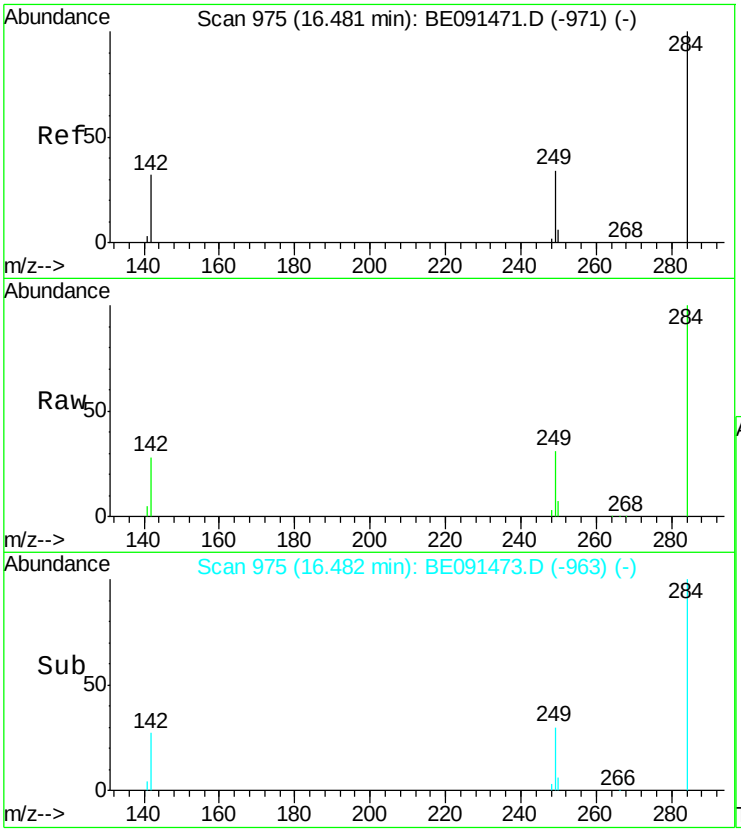


#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.18 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion:188 Resp: 400318

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

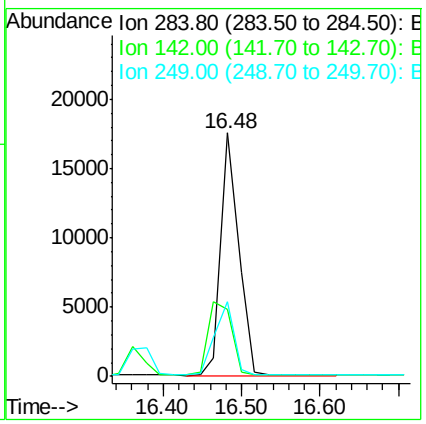




#17
Hexachlorobenzene
Concen: 1.08 ng
RT: 16.48 min Scan# 975
Delta R.T. 0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion:284 Resp: 27500

Ion	Ratio	Lower	Upper
284	100		
142	39.6	31.0	46.4
249	31.8	25.8	38.8



Instrument :
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ClientSampleId :
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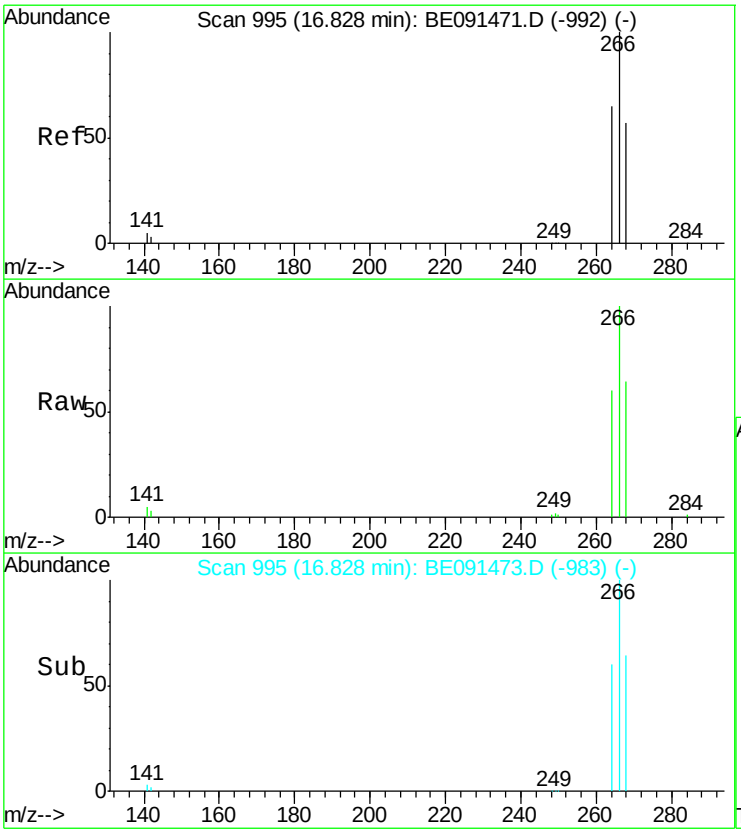
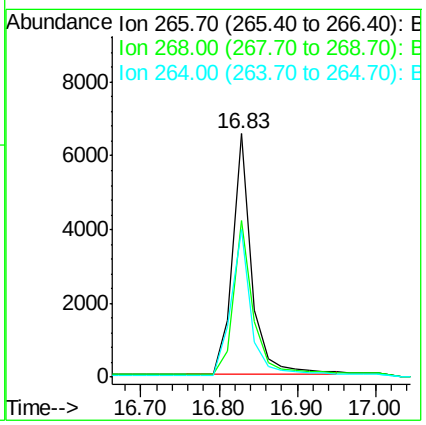
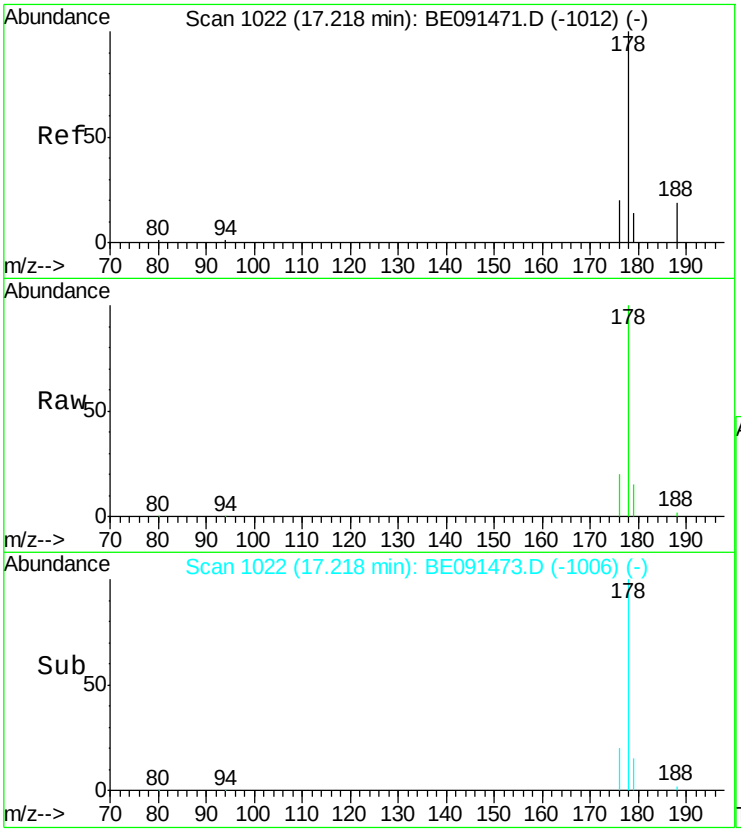


#18
Pentachlorophenol
Concen: 4.51 ng
RT: 16.83 min Scan# 995
Delta R.T. 0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion:266 Resp: 11145

Ion	Ratio	Lower	Upper
266	100		
268	64.3	48.2	72.2
264	60.4	52.1	78.1

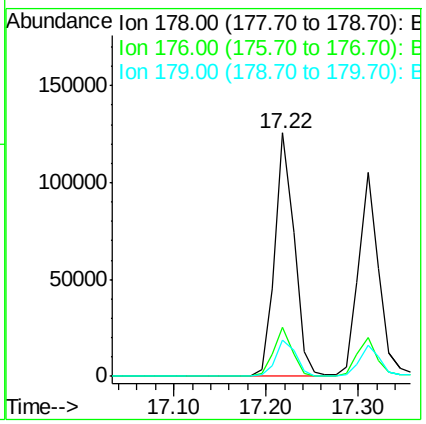




#19
Phenanthrene
Concen: 1.46 ng
RT: 17.22 min Scan# 1022
Delta R.T. 0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion:178 Resp: 183563

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.6	13.1	19.7



Instrument :
BNA_E
ClientSampleId :
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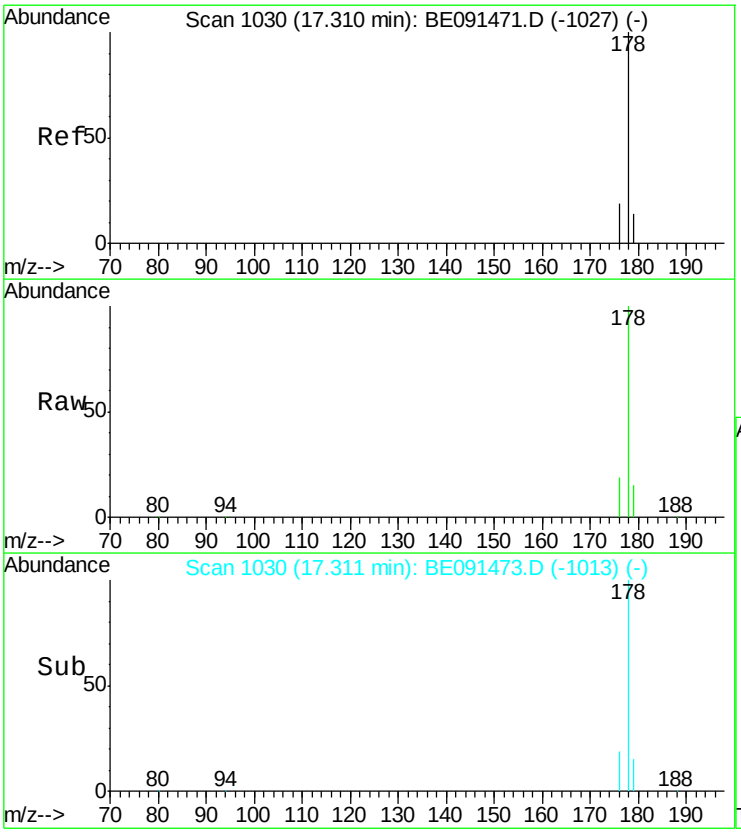
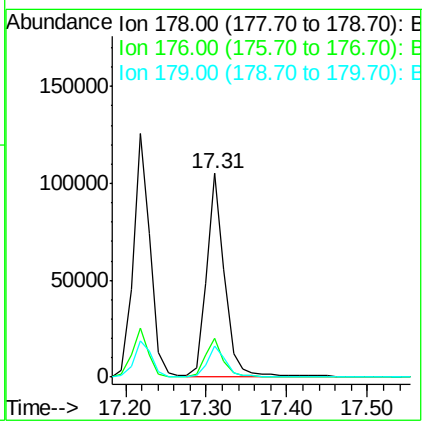
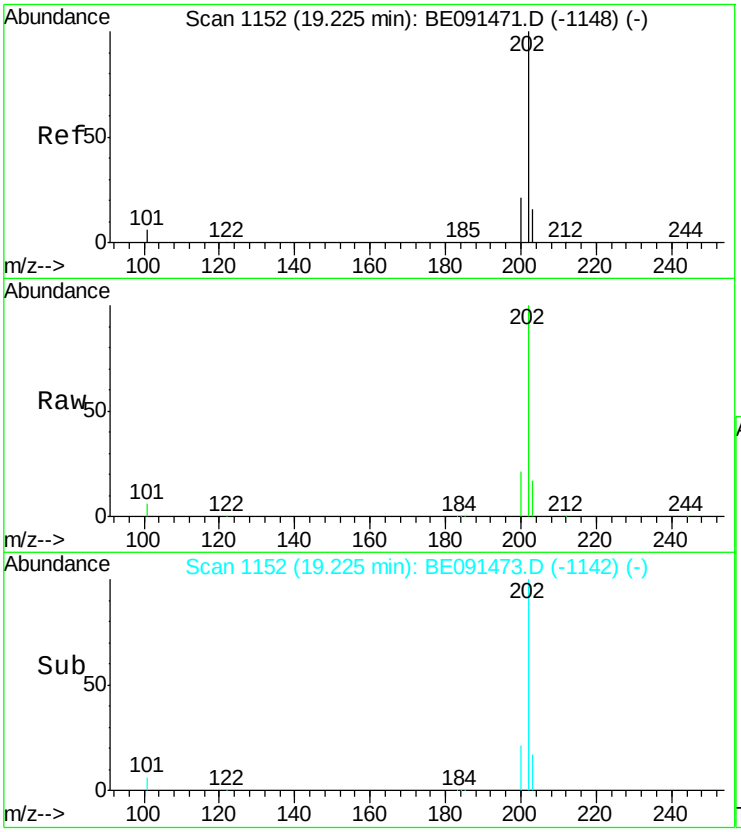


#20
Anthracene
Concen: 1.46 ng
RT: 17.31 min Scan# 1030
Delta R.T. 0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion:178 Resp: 163003

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.5	12.2	18.4

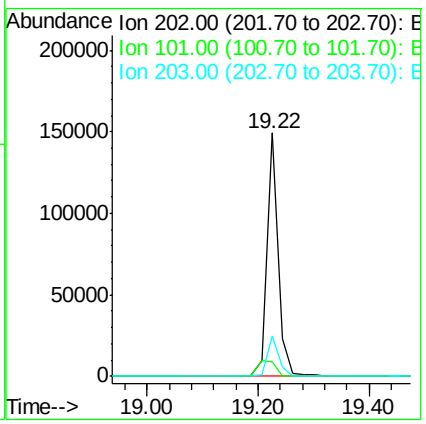




#21
Fluoranthene
Concen: 1.59 ng
RT: 19.22 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion:202 Resp: 214600

Ion	Ratio	Lower	Upper
202	100		
101	10.4	8.3	12.5
203	17.2	13.9	20.9



Instrument :
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ClientSampleId :
SSTDICC1.6

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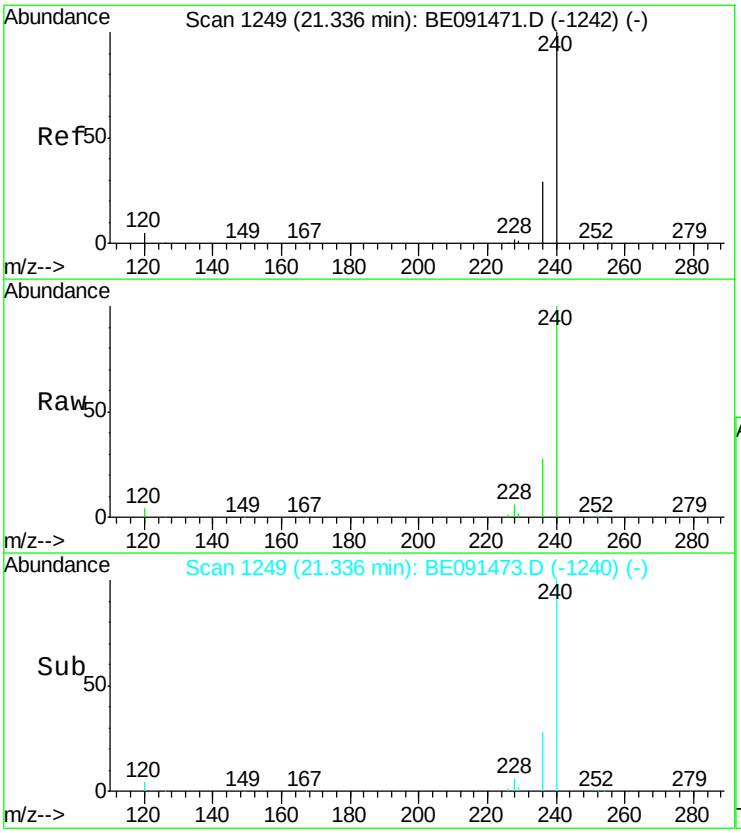
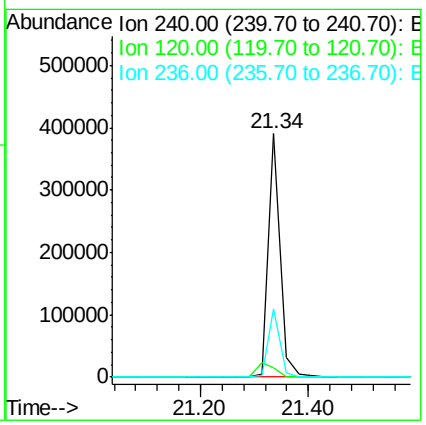
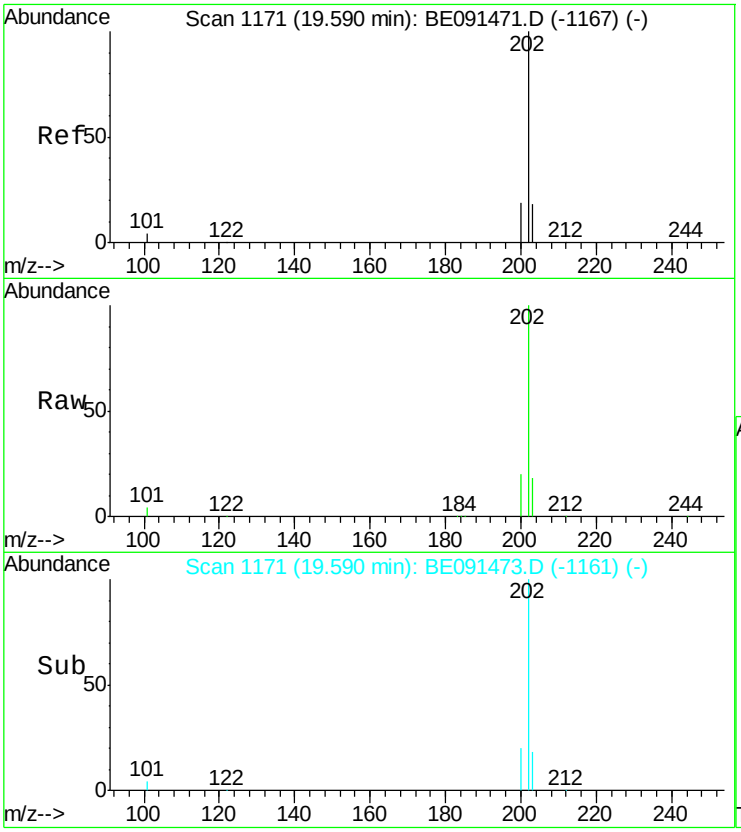


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.34 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion:240 Resp: 600831

Ion	Ratio	Lower	Upper
240	100		
120	4.0	4.0	6.0#
236	27.8	23.0	34.4





#23
Pyrene
Concen: 1.01 ng
RT: 19.59 min Scan# 1171
Delta R.T. -0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion:202 Resp: 224460

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.4	24.6
203	17.6	14.6	21.8

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

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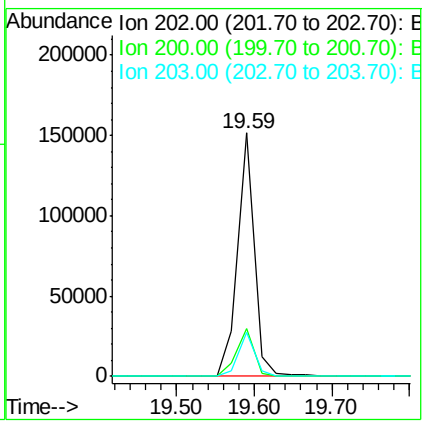
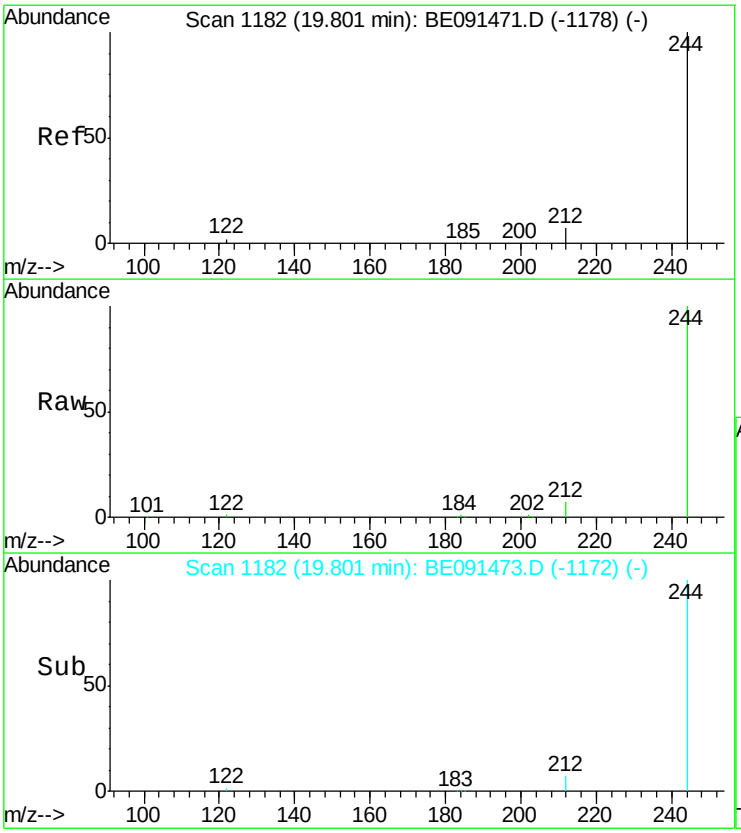
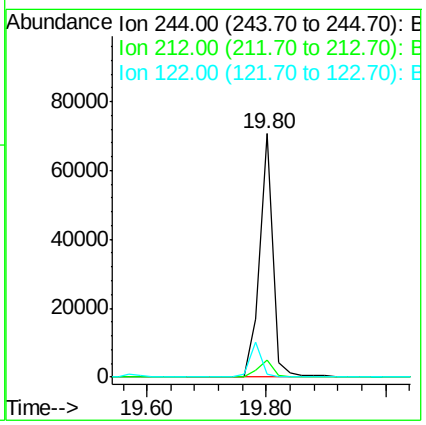


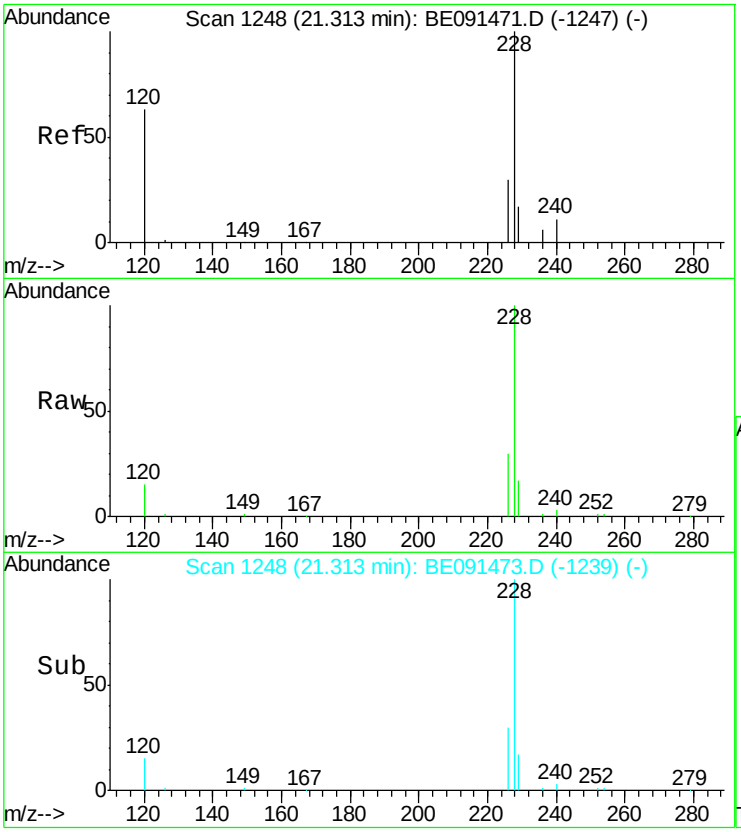


#24
Terphenyl-d14
Concen: 1.45 ng
RT: 19.80 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion:244 Resp: 108868

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	1.4	1.8	2.8#

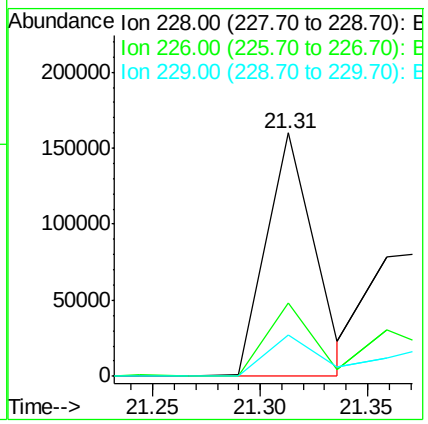




#25
Benzo(a)anthracene
Concen: 1.28 ng m
RT: 21.31 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion:228 Resp: 253832

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



Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

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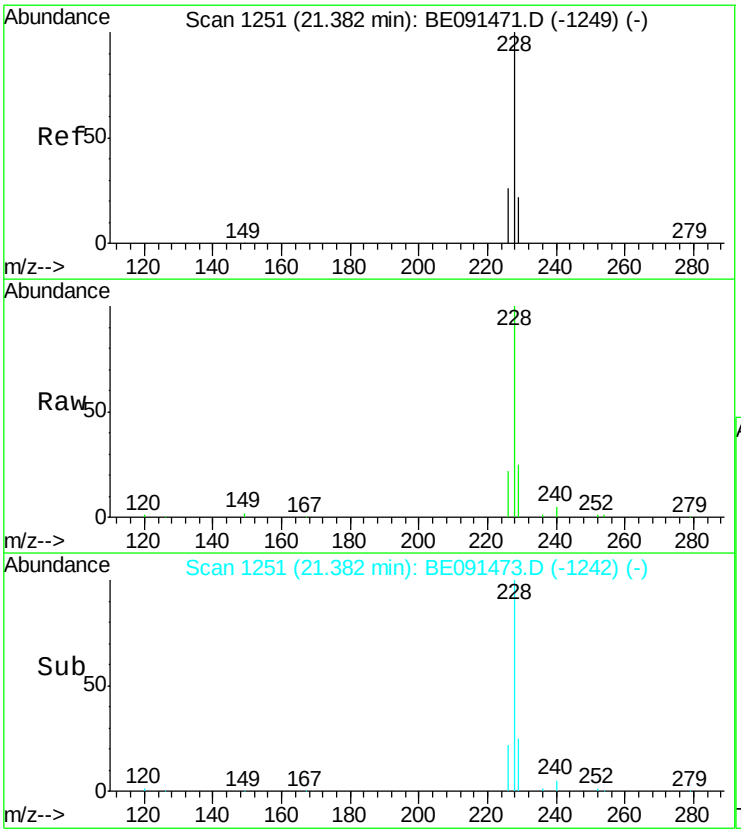
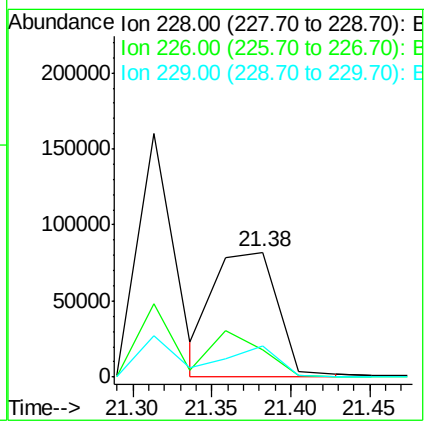
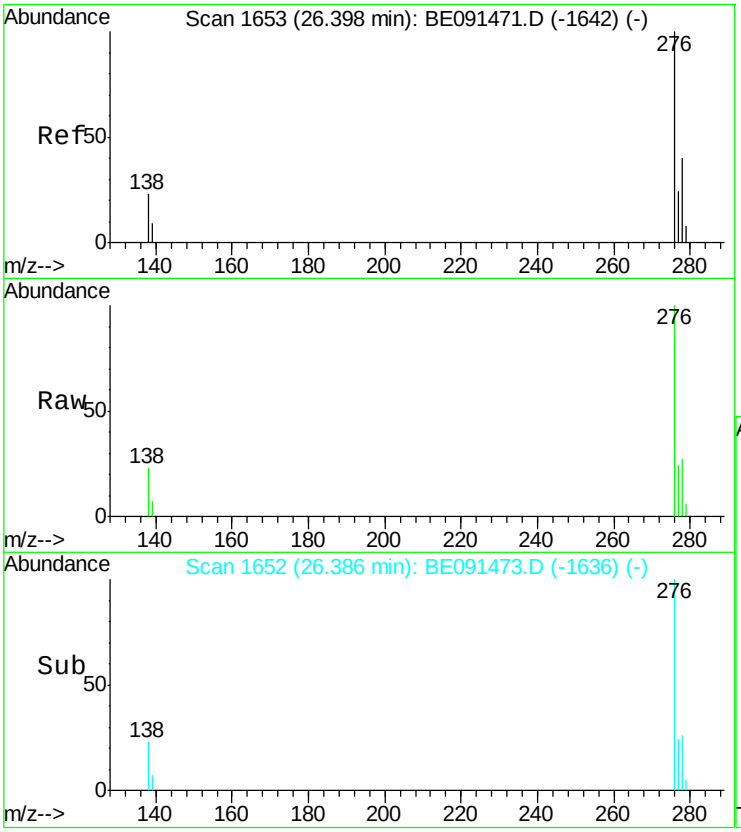


#26
Chrysene
Concen: 1.09 ng m
RT: 21.38 min Scan# 1251
Delta R.T. 0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion:228 Resp: 228372

Ion	Ratio	Lower	Upper
228	100		
226	22.1	18.9	28.3
229	24.9	19.1	28.7

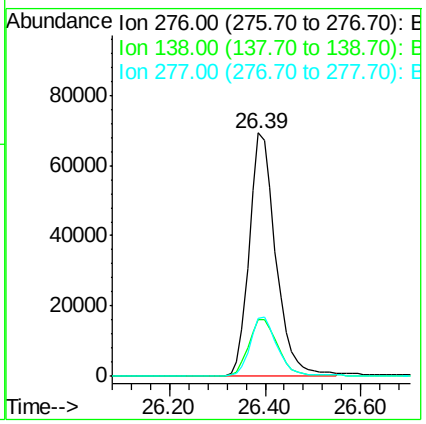




#27
Indeno(1,2,3-cd)pyrene
Concen: 1.58 ng
RT: 26.39 min Scan# 1652
Delta R.T. -0.01 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion:276 Resp: 265696

Ion	Ratio	Lower	Upper
276	100		
138	25.6	20.2	30.4
277	24.8	19.8	29.8



Instrument :
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ClientSampleId :
SSTDICC1.6

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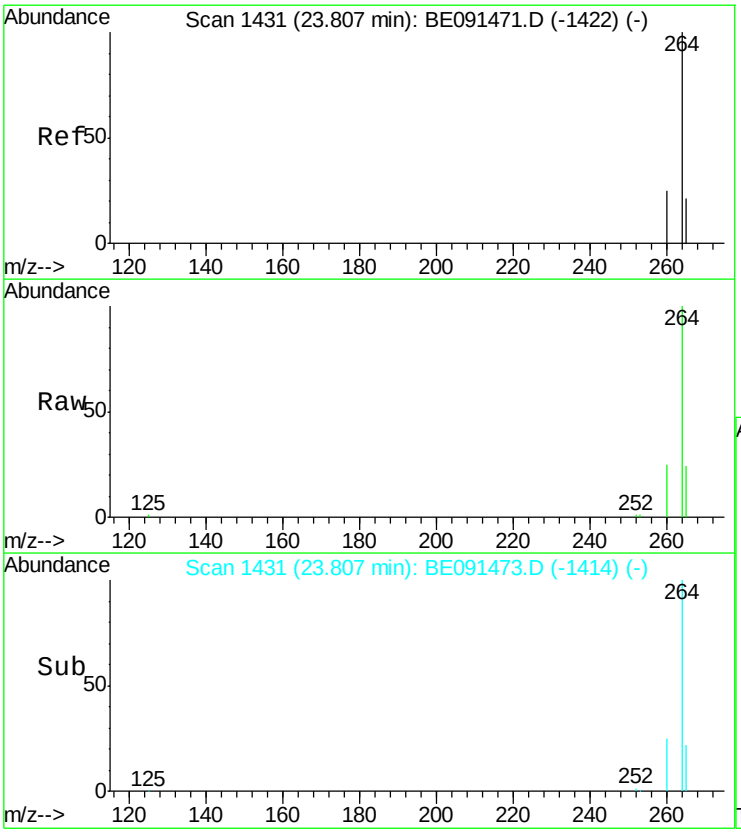
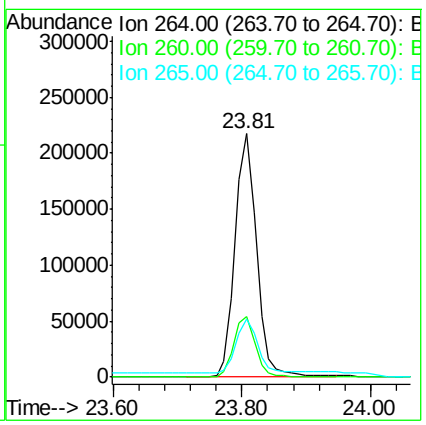
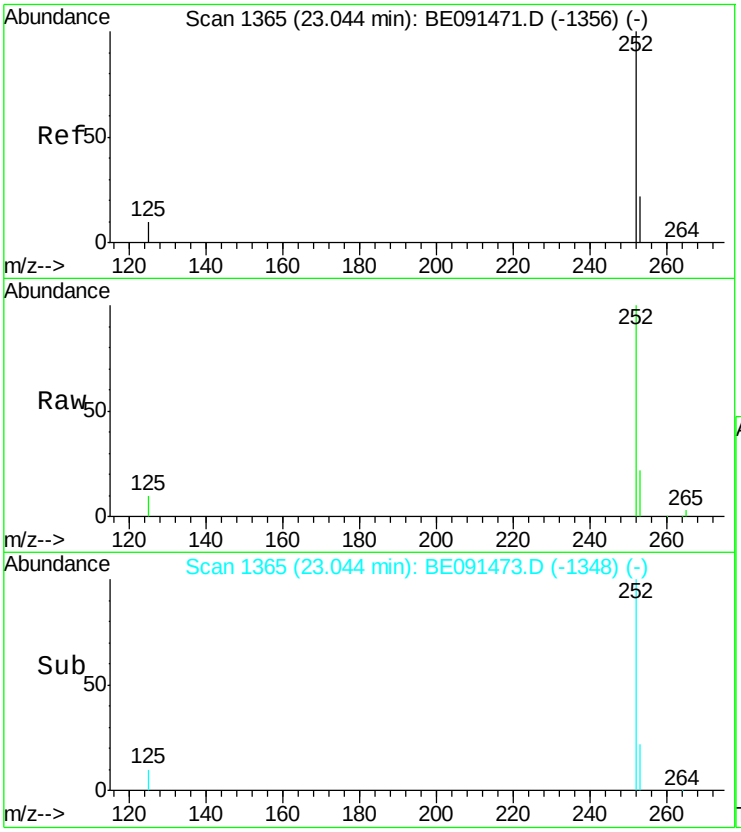


#28
Perylene-d12
Concen: 5.00 ng
RT: 23.81 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion:264 Resp: 500981

Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.1	30.1
265	23.7	18.3	27.5

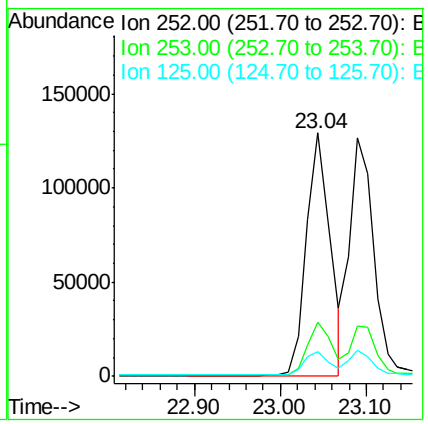




#29
Benzo(b)fluoranthene
Concen: 1.35 ng
RT: 23.04 min Scan# 1365
Delta R.T. 0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion:252 Resp: 244709

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.7	28.1
125	10.2	9.8	14.6



Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

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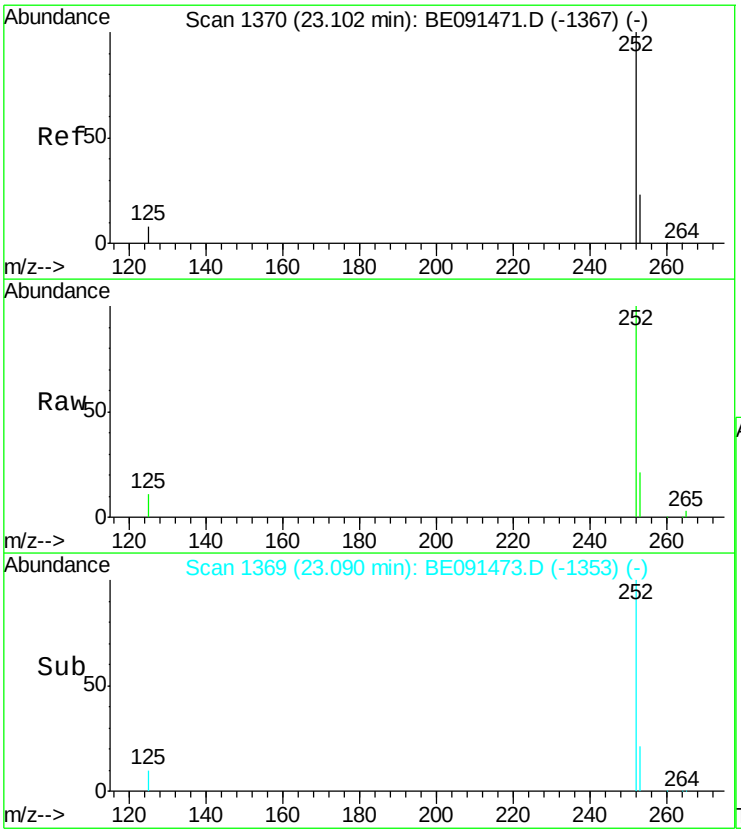
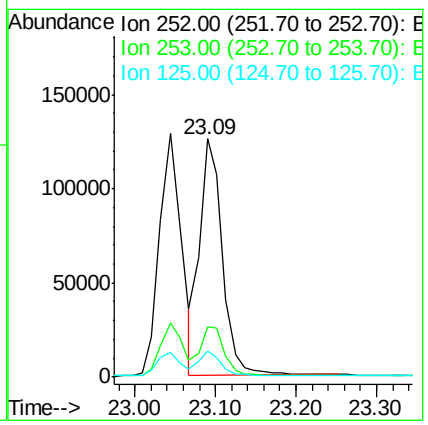
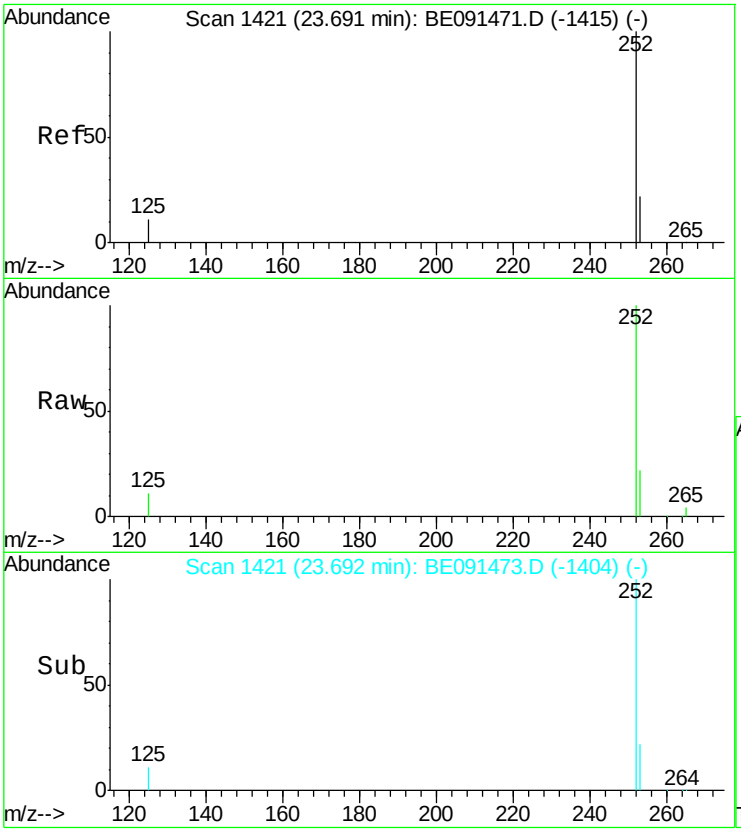


#30
Benzo(k)fluoranthene
Concen: 1.38 ng
RT: 23.09 min Scan# 1369
Delta R.T. -0.01 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion:252 Resp: 248758

Ion	Ratio	Lower	Upper
252	100		
253	21.4	20.2	30.4
125	10.8	9.4	14.2





#31
Benzo(a)pyrene
Concen: 1.43 ng
RT: 23.69 min Scan# 1421
Delta R.T. 0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion:252 Resp: 219287

Ion	Ratio	Lower	Upper
252	100		
253	22.2	19.4	29.0
125	11.4	11.4	17.2#

Instrument :
BNA_E
ClientSampleId :
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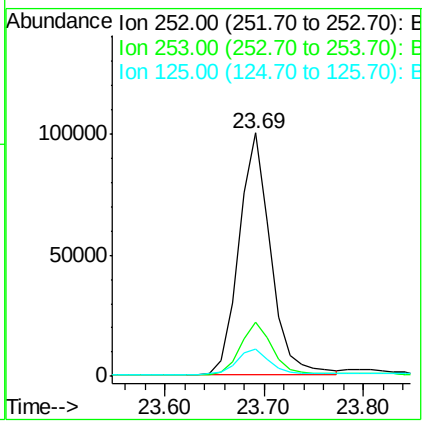
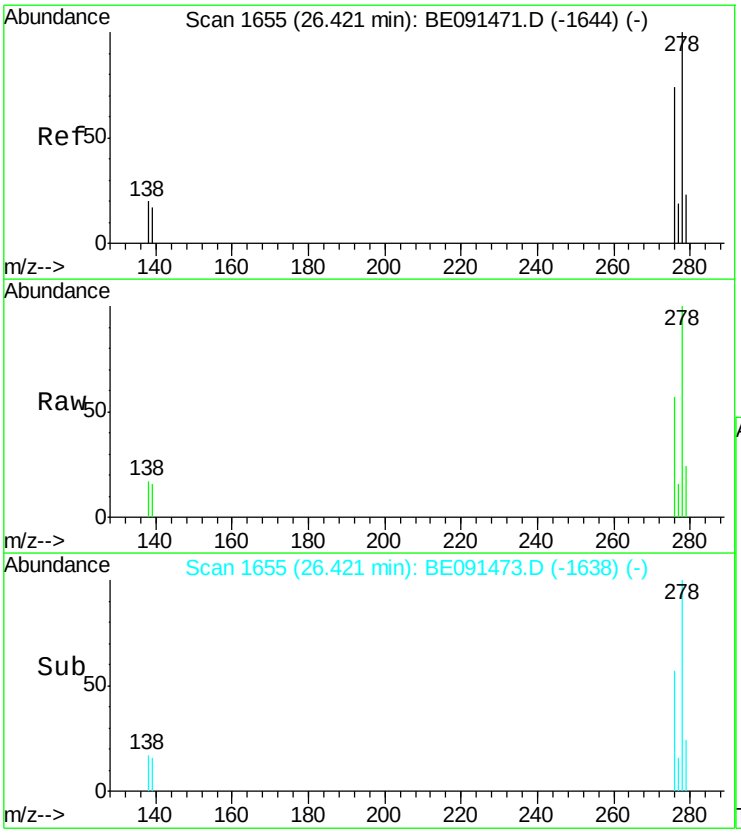
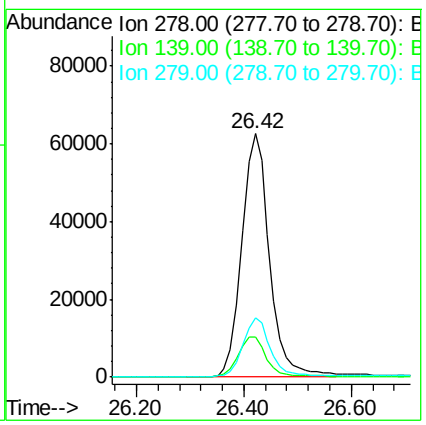


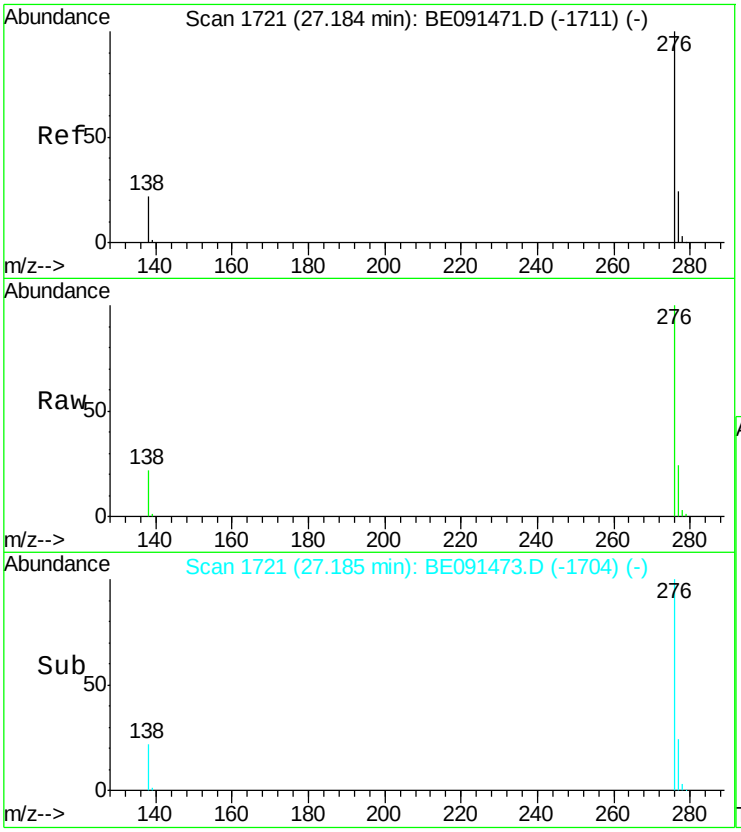


#32
Dibenzo(a,h)anthracene
Concen: 1.73 ng
RT: 26.42 min Scan# 1655
Delta R.T. 0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion:278 Resp: 223443

Ion	Ratio	Lower	Upper
278	100		
139	16.4	14.2	21.4
279	24.2	19.6	29.4

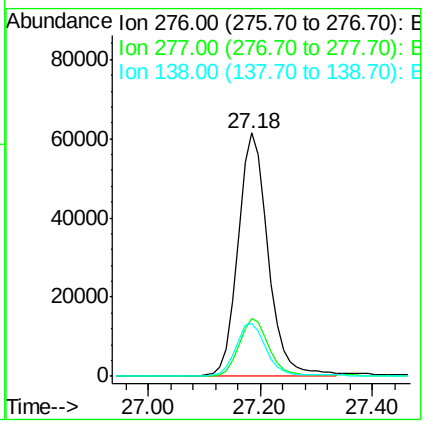




#33
Benzo(g,h,i)perylene
Concen: 1.57 ng
RT: 27.18 min Scan# 1721
Delta R.T. 0.00 min
Lab File: BE091473.D
Acq: 17 Mar 2016 19:08

Tgt Ion:276 Resp: 229118

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.4	29.2
138	21.9	18.2	27.4



Instrument :
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ClientSampleId :
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