Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032116\
Data File : BE091503.D
Acq On : 21 Mar 2016 17:34
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Manual Integrations APPROVED
UMANGI
3/22/2016 11:28:35 AM

Quant Time: Mar 21 18:10:36 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 14:14:30 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	100910	5.00	ng	0.00
6) Naphthalene-d8	10.59	136	463763	5.00	ng	-0.02
10) Acenaphthene-d10	14.45	164	270595	5.00	ng	0.00
16) Phenanthrene-d10	17.17	188	658316	5.00	ng	-0.01
22) Chrysene-d12	21.34	240	830693	5.00	ng	0.00
28) Perylene-d12	23.80	264	771495	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.42	112	7561	0.33	ng	0.00
5) Phenol-d6	6.99	99	10535	0.35	ng	0.00
7) Nitrobenzene-d5	8.98	82	7366	0.50	ng	0.00
11) 2,4,6-Tribromophenol	15.92	330	3204	0.56	ng	-0.01
12) 2-Fluorobiphenyl	13.07	172	26522	0.39	ng	0.00
24) Terphenyl-d14	19.78	244	39063	0.39	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	4463	0.35	ng	96
3) n-Nitrosodimethylamine	3.68	42	6328	0.35	ng	95
8) Naphthalene	10.65	128	43658	0.39	ng	96
9) 2-Methylnaphthalene	12.26	142	25985	0.36	ng	97
13) Acenaphthylene	14.15	152	37936	0.40	ng	100
14) Acenaphthene	14.50	154	31274	0.38	ng	96
15) Fluorene	15.48	166	37995	0.36	ng	99
17) Hexachlorobenzene	16.48	284	10509	0.37	ng	96
18) Pentachlorophenol	16.83	266	3050	0.40	ng	86
19) Phenanthrene	17.22	178	71423	0.38	ng	99
20) Anthracene	17.30	178	58933	0.36	ng	100
21) Fluoranthene	19.23	202	70810	0.33	ng	99
23) Pyrene	19.57	202	75313	0.36	ng	98
25) Benzo(a)anthracene	21.31	228	88453m	0.39	ng	
26) Chrysene	21.36	228	98114m	0.46	ng	
27) Indeno(1,2,3-cd)pyrene	26.37	276	85085	0.36	ng	99
29) Benzo(b)fluoranthene	23.03	252	79203	0.32	ng	97
30) Benzo(k)fluoranthene	23.08	252	84290	0.34	ng	94
31) Benzo(a)pyrene	23.68	252	67798	0.32	ng	96
32) Dibenzo(a,h)anthracene	26.40	278	72070	0.34	ng	99
33) Benzo(g,h,i)perylene	27.17	276	73497	0.33	ng	98

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

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Misc :
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Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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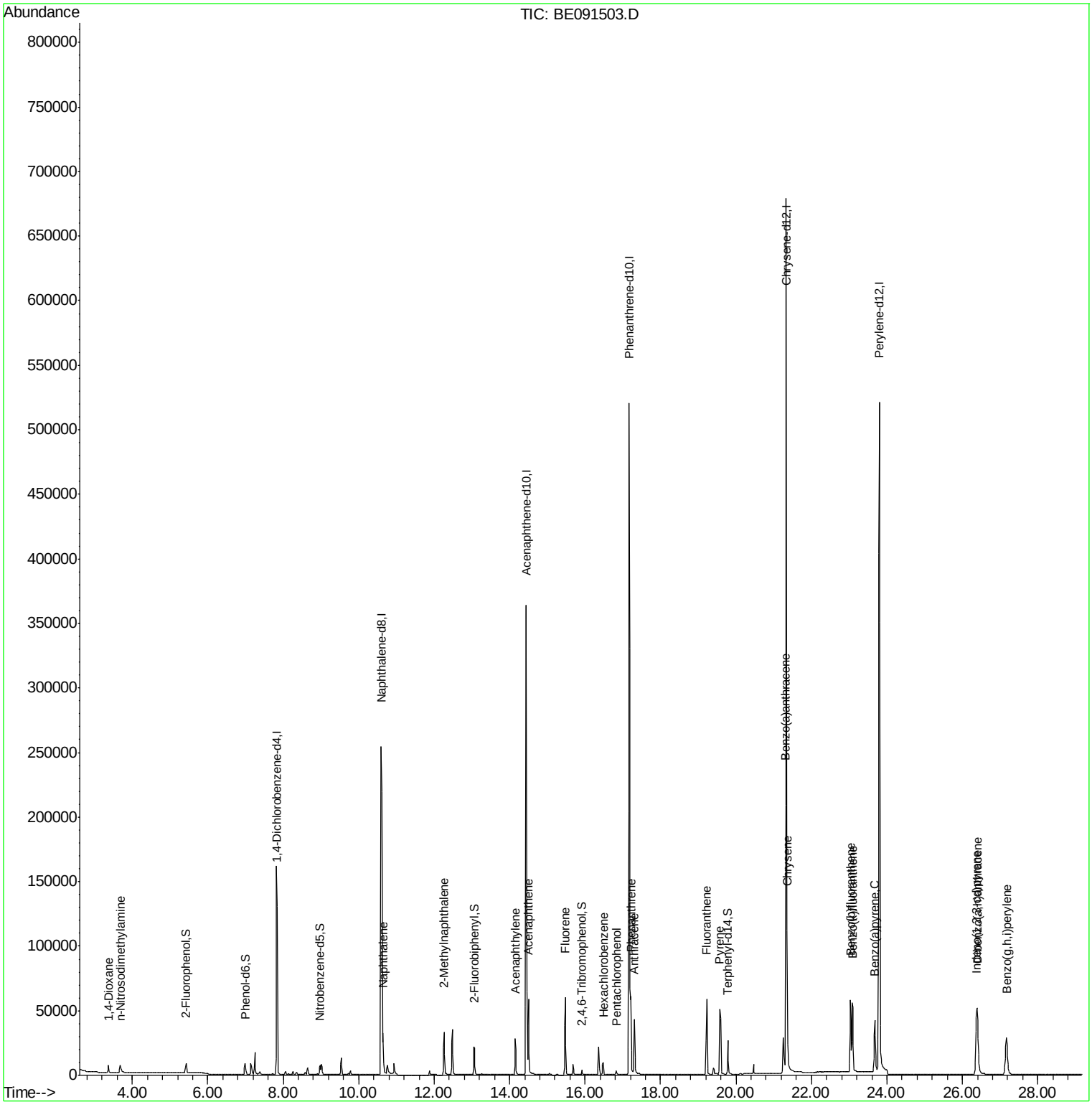
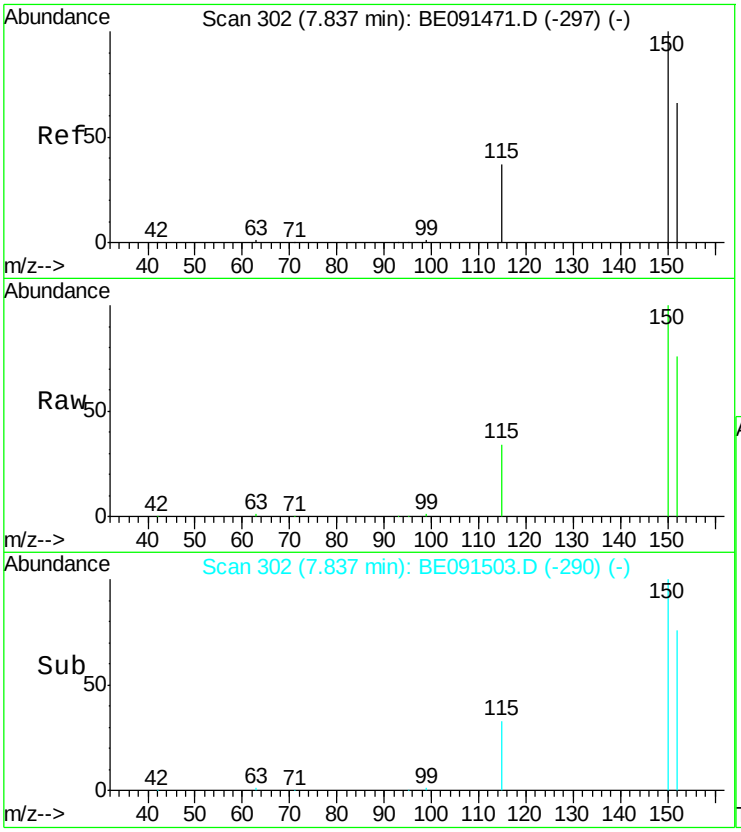
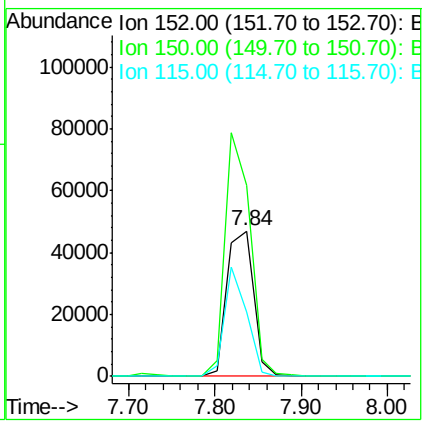




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.84 min Scan# 302
Delta R.T. -0.00 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion:152 Resp: 100910

Ion	Ratio	Lower	Upper
152	100		
150	131.5	122.2	183.2
115	44.1	45.9	68.9#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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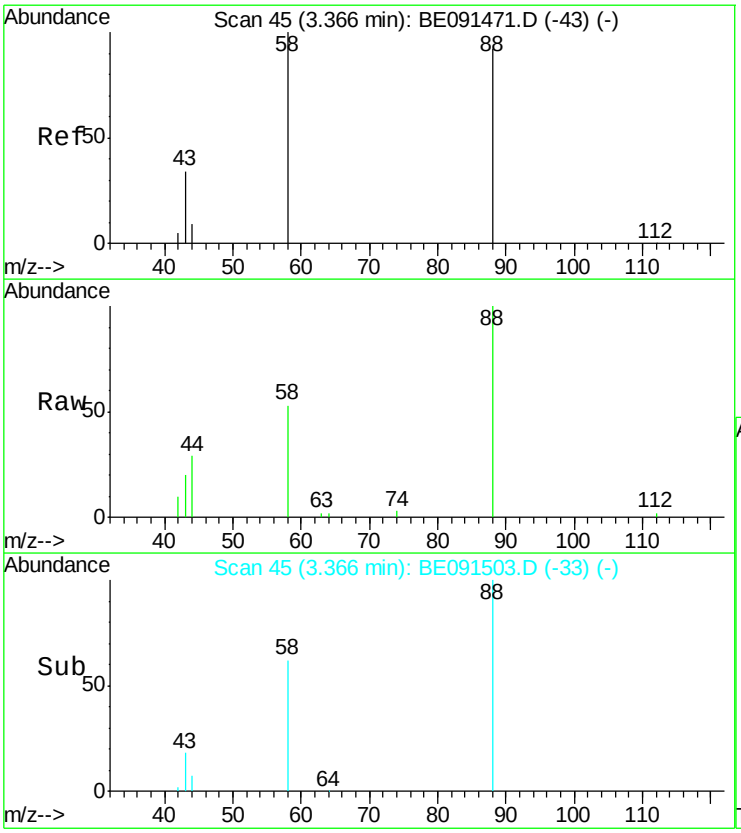
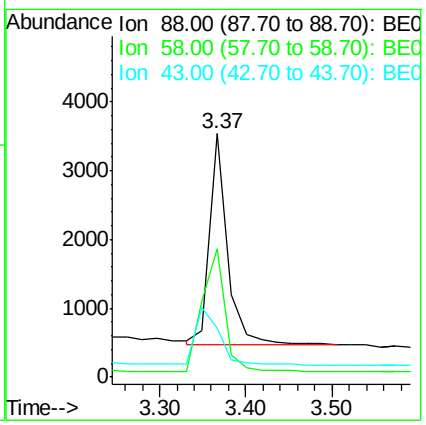
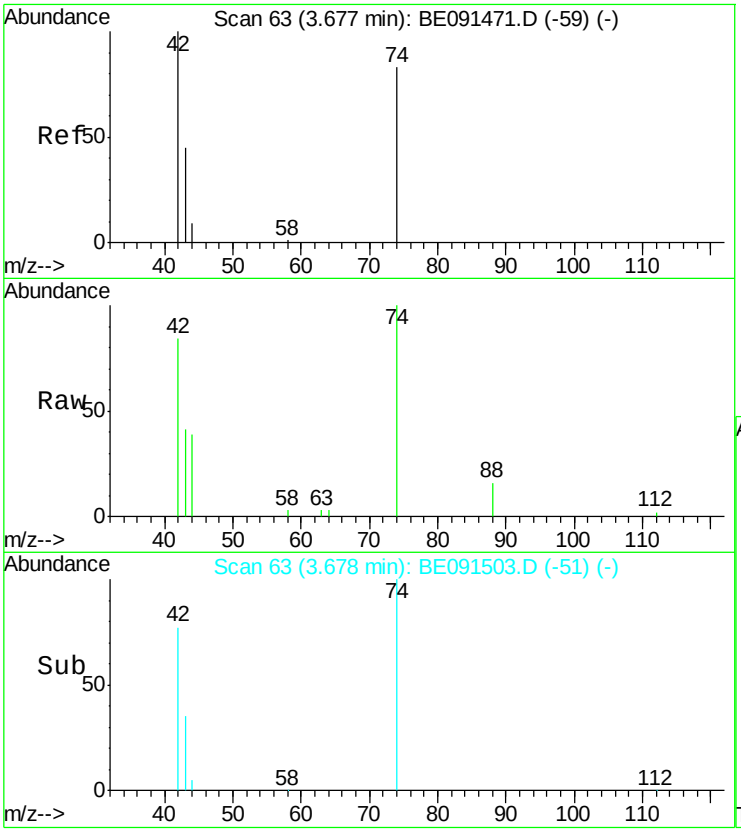


#2
1,4-Dioxane
Concen: 0.35 ng
RT: 3.37 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion: 88 Resp: 4463

Ion	Ratio	Lower	Upper
88	100		
58	74.7	61.0	91.6
43	36.1	25.4	38.2

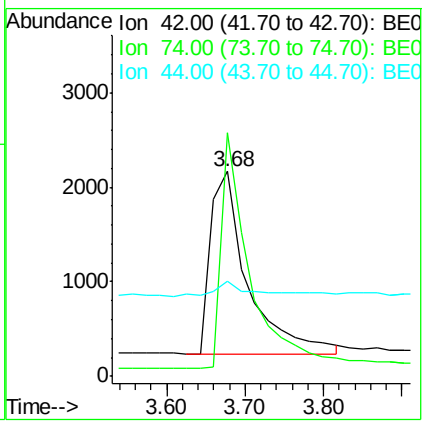




#3
n-Nitrosodimethylamine
Concen: 0.35 ng
RT: 3.68 min Scan# 63
Delta R.T. 0.00 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion: 42 Resp: 6328

Ion	Ratio	Lower	Upper
42	100		
74	99.6	84.3	126.5
44	8.8	6.7	10.1



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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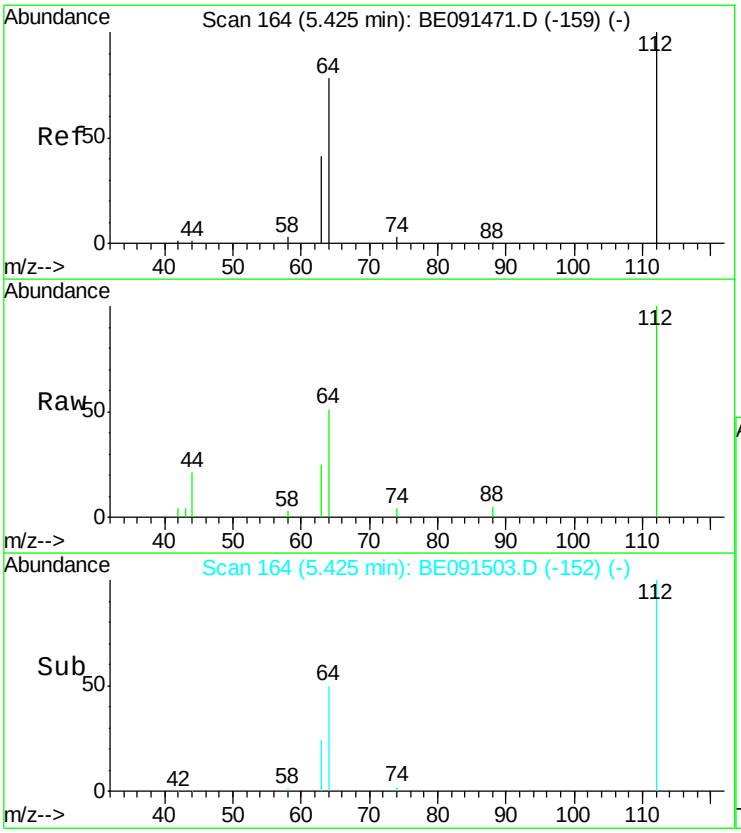
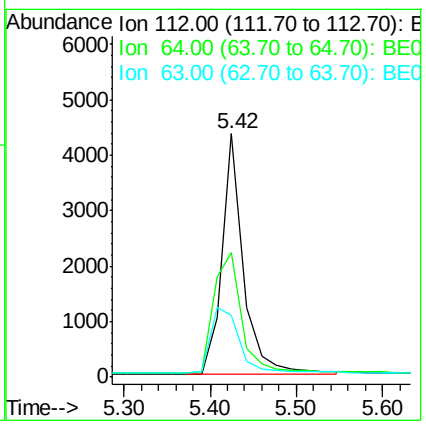
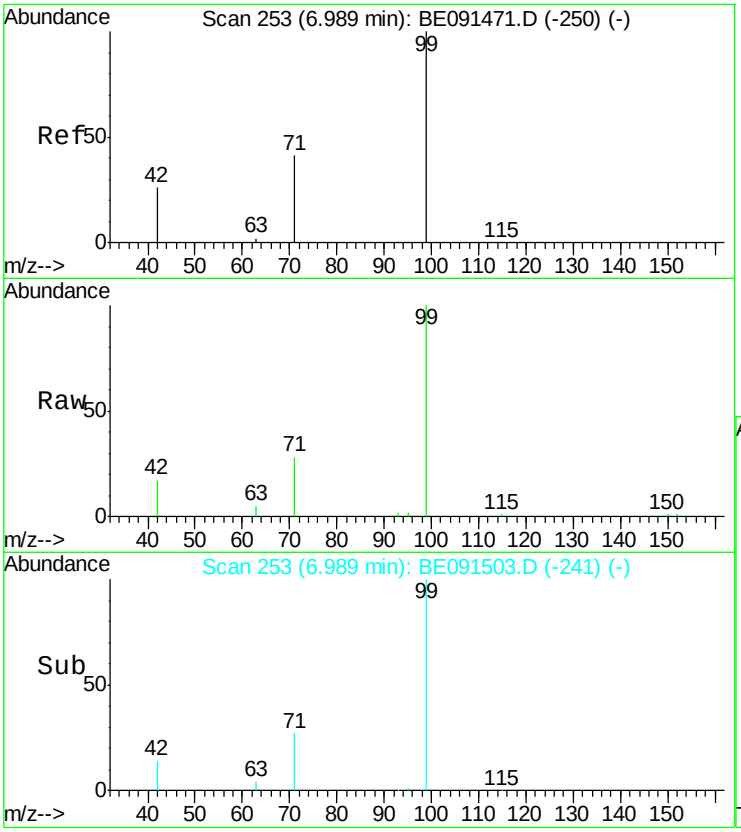


#4
2-Fluorophenol
Concen: 0.33 ng
RT: 5.42 min Scan# 164
Delta R.T. 0.00 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion:112 Resp: 7561

Ion	Ratio	Lower	Upper
112	100		
64	65.8	53.3	79.9
63	36.5	29.8	44.8

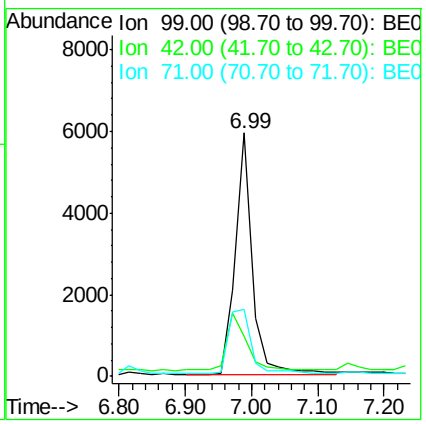




#5
Phenol-d6
Concen: 0.35 ng
RT: 6.99 min Scan# 253
Delta R.T. -0.00 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion: 99 Resp: 10535

Ion	Ratio	Lower	Upper
99	100		
42	27.4	20.6	30.8
71	36.3	29.0	43.4



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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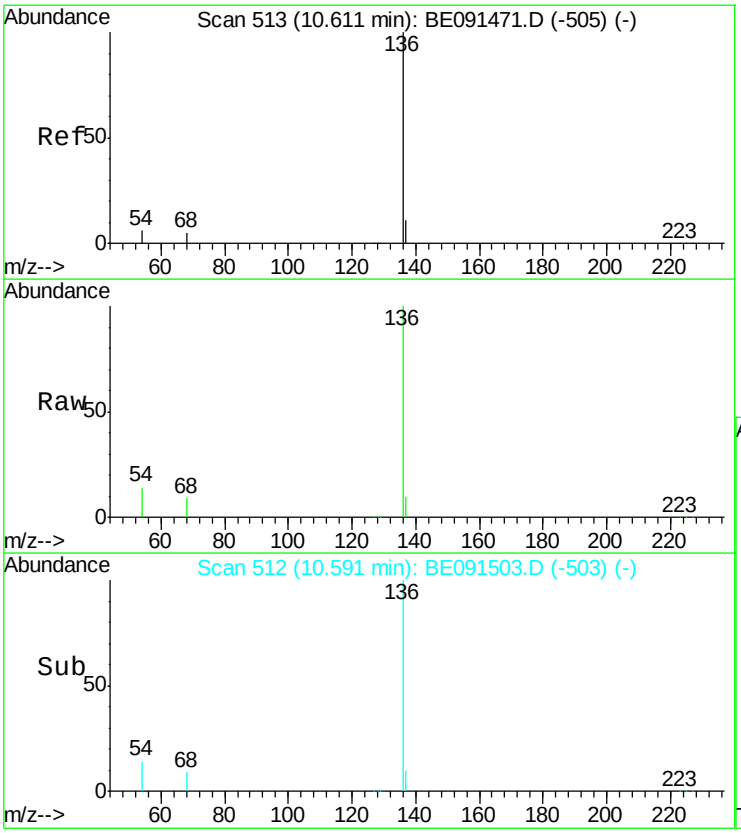
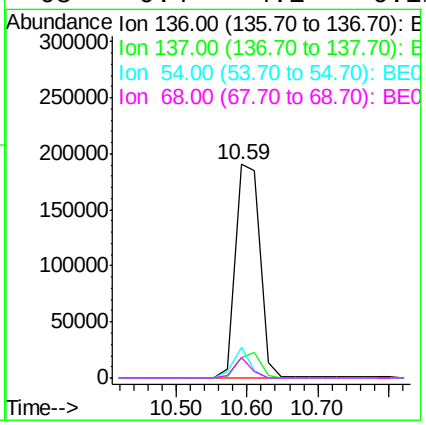
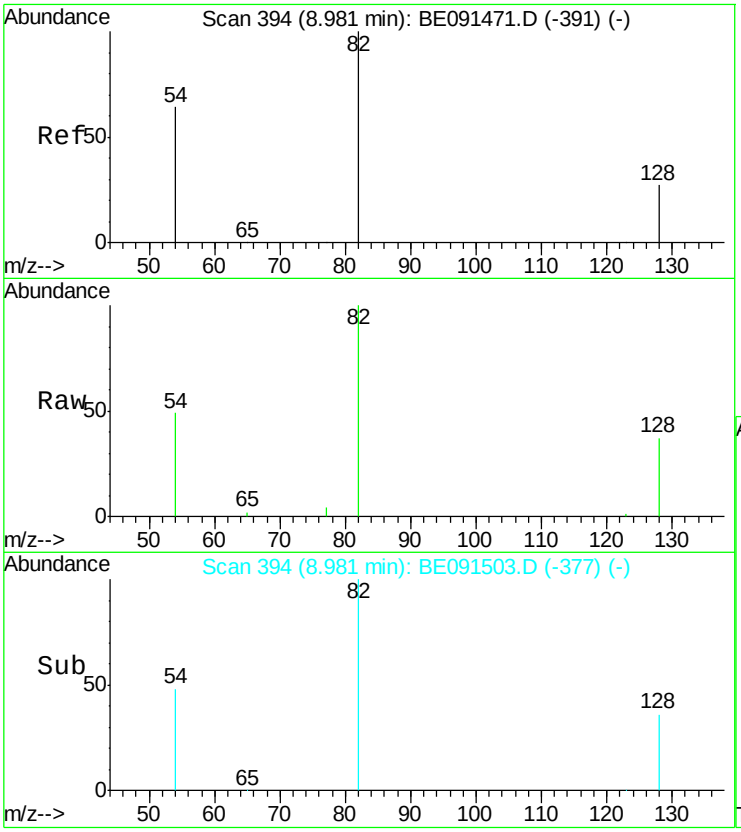


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.59 min Scan# 512
Delta R.T. -0.02 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion:136 Resp: 463763

Ion	Ratio	Lower	Upper
136	100		
137	9.7	8.8	13.2
54	14.3	5.2	7.8#
68	9.4	4.1	6.1#

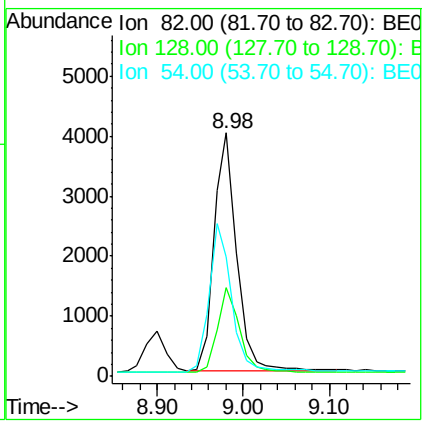




#7
Nitrobenzene-d5
Concen: 0.50 ng
RT: 8.98 min Scan# 394
Delta R.T. 0.00 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion: 82 Resp: 7366

Ion	Ratio	Lower	Upper
82	100		
128	36.6	23.5	35.3#
54	49.1	52.4	78.6#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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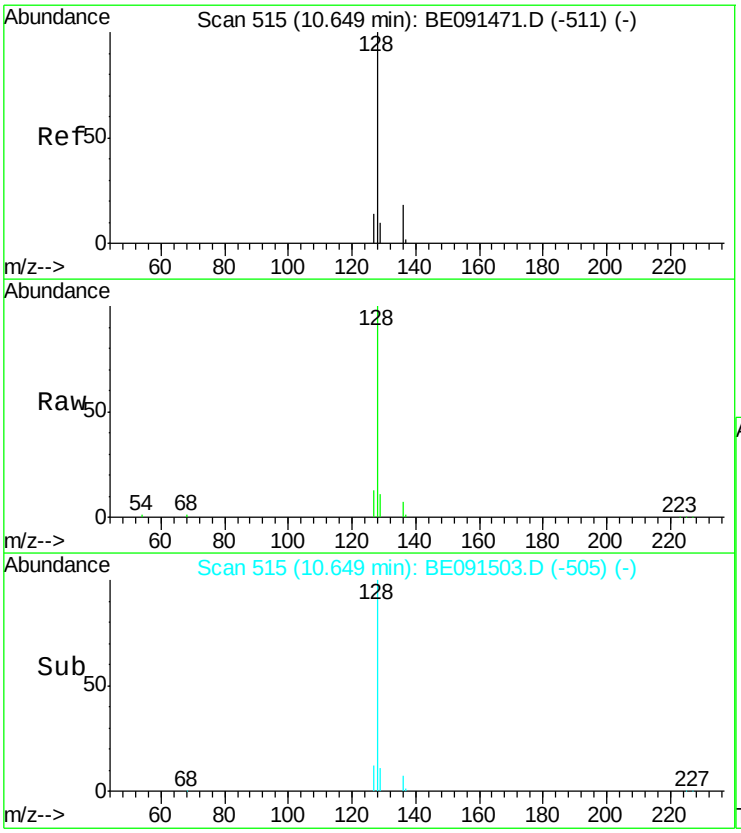
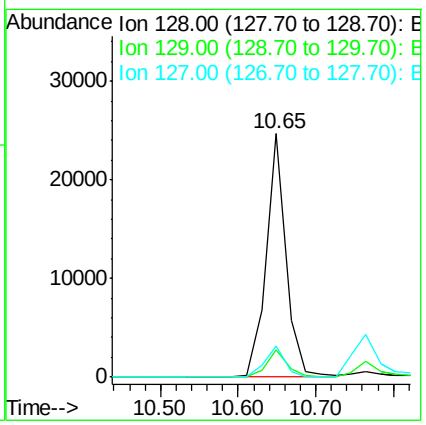
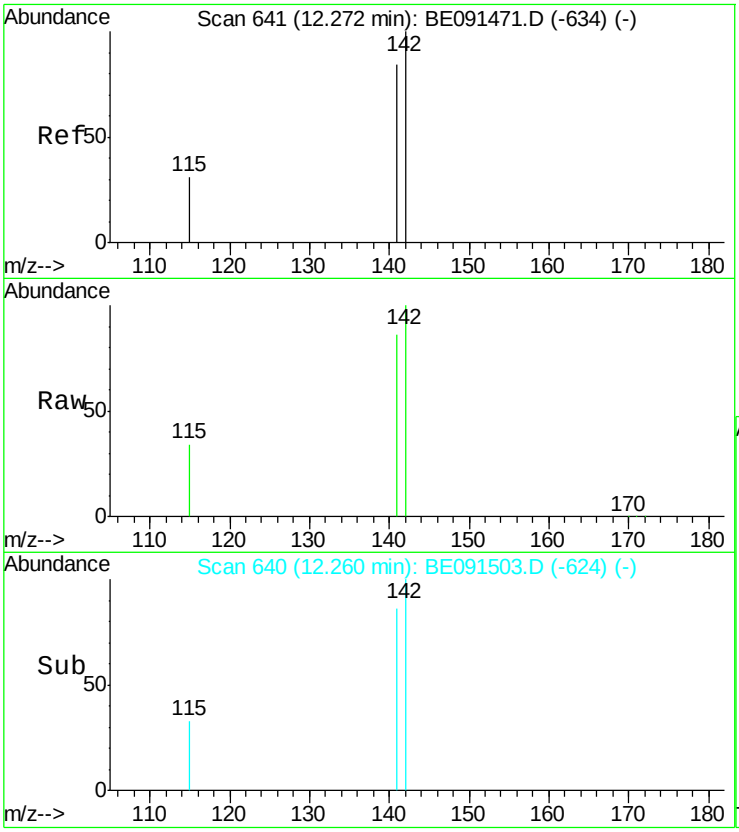


#8
Naphthalene
Concen: 0.39 ng
RT: 10.65 min Scan# 515
Delta R.T. -0.00 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion:128 Resp: 43658

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.2	12.2
127	12.5	11.8	17.8

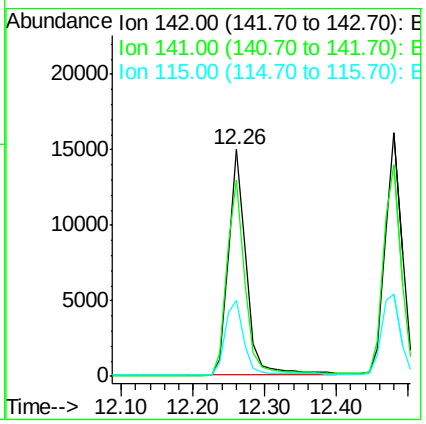




#9
2-Methylnaphthalene
Concen: 0.36 ng
RT: 12.26 min Scan# 640
Delta R.T. -0.01 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion:142 Resp: 25985

Ion	Ratio	Lower	Upper
142	100		
141	86.4	66.9	100.3
115	33.7	25.1	37.7



Instrument :
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ClientSampleId :
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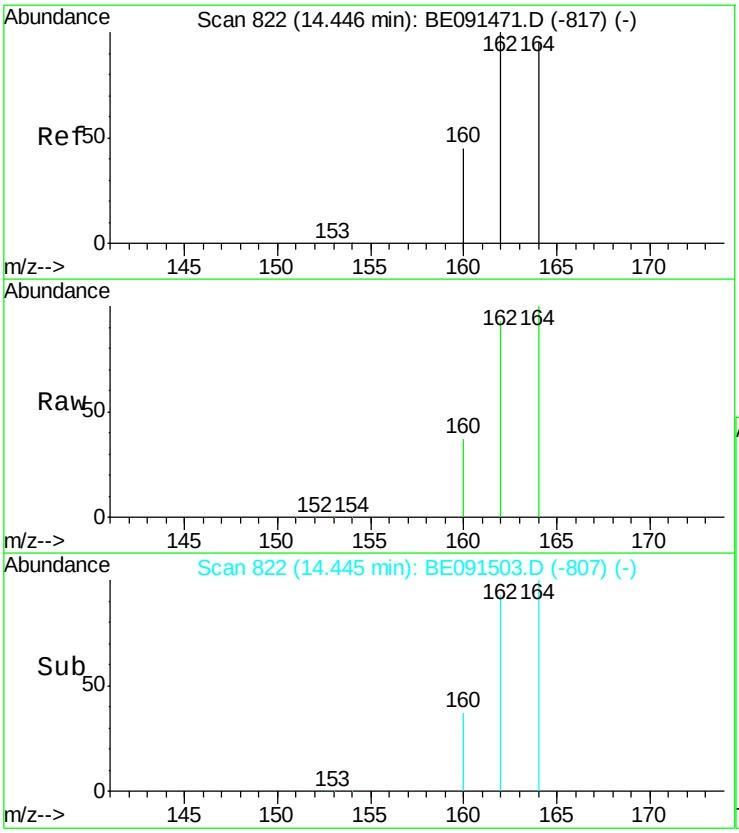
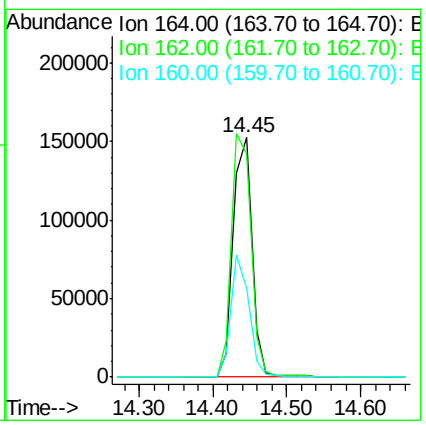
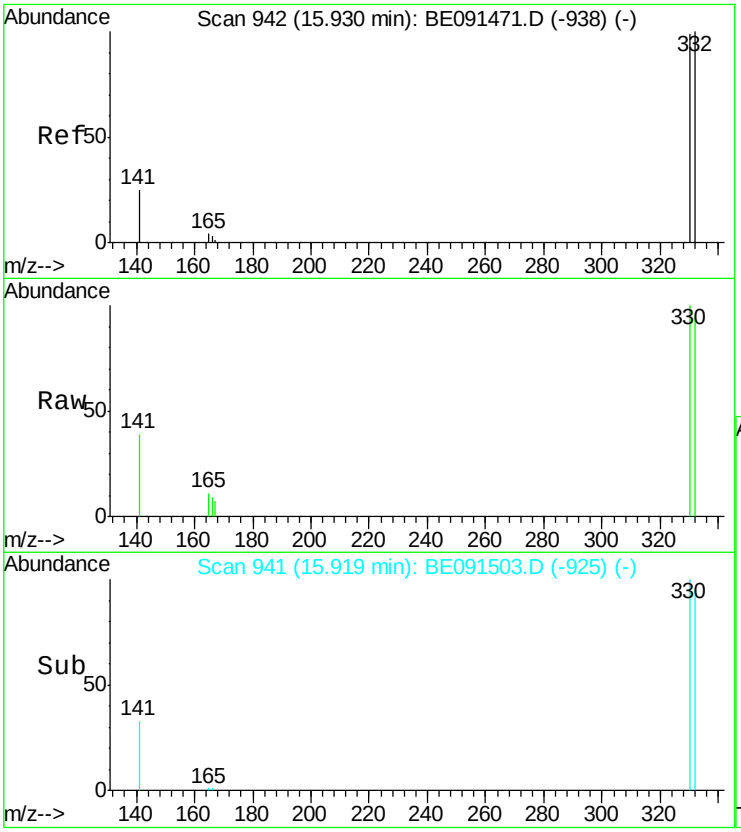


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.45 min Scan# 822
Delta R.T. -0.00 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion:164 Resp: 270595

Ion	Ratio	Lower	Upper
164	100		
162	93.4	84.4	126.6
160	37.2	37.7	56.5#

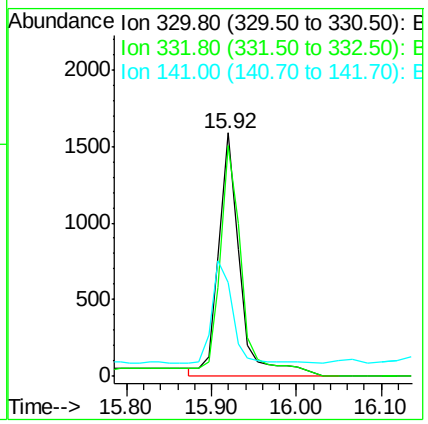




#11
2,4,6-Tribromophenol
Concen: 0.56 ng
RT: 15.92 min Scan# 941
Delta R.T. -0.01 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion:330 Resp: 3204

Ion	Ratio	Lower	Upper
330	100		
332	97.8	79.2	118.8
141	34.4	28.1	42.1



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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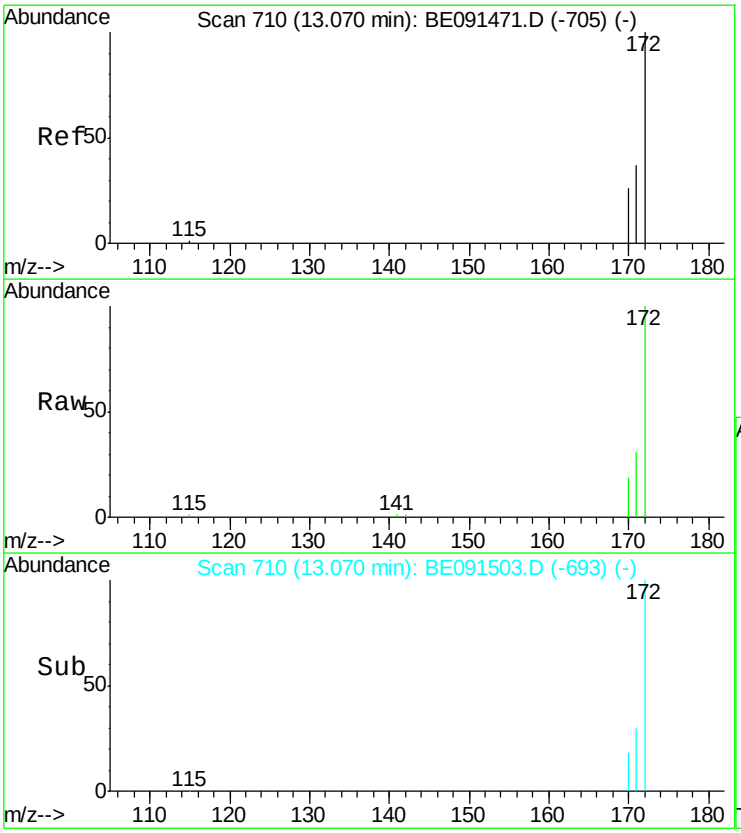
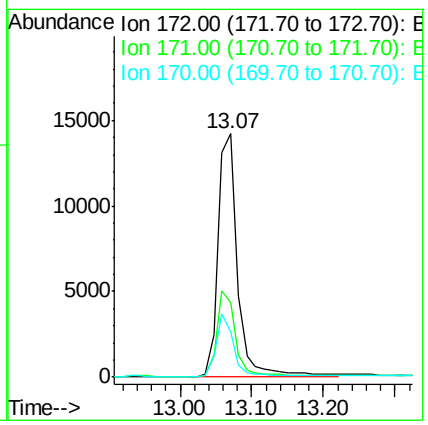
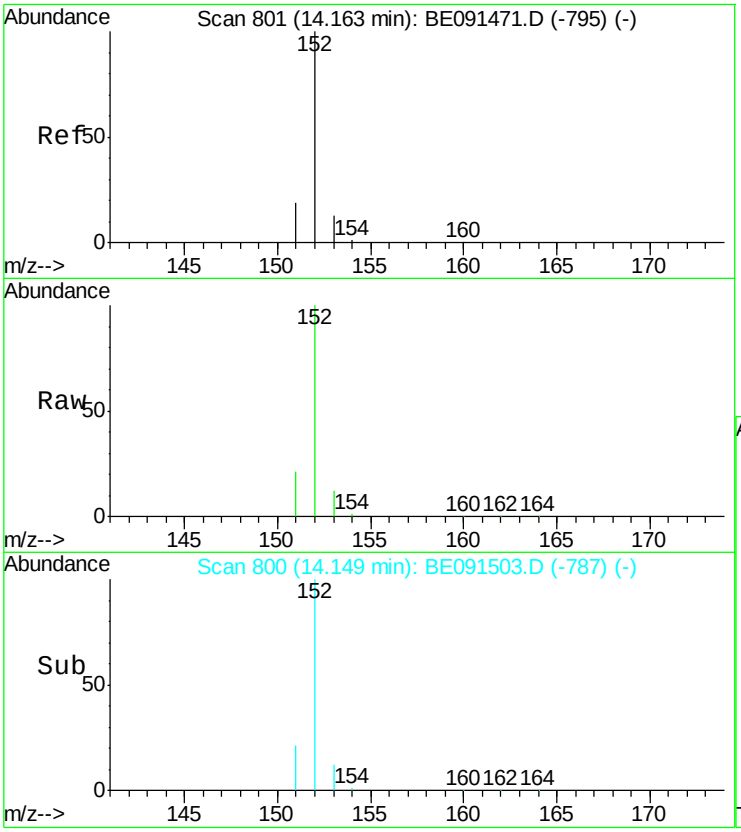


#12
2-Fluorobiphenyl
Concen: 0.39 ng
RT: 13.07 min Scan# 710
Delta R.T. 0.00 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion:172 Resp: 26522

Ion	Ratio	Lower	Upper
172	100		
171	30.8	29.8	44.8
170	18.6	21.4	32.2#

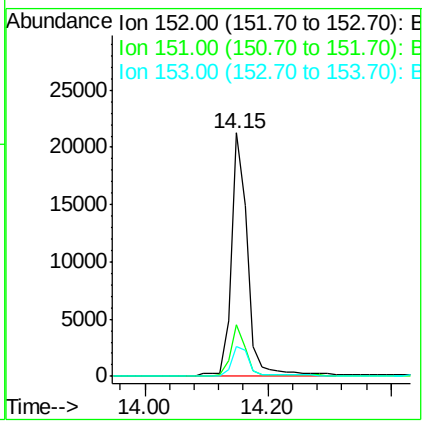




#13
Acenaphthylene
Concen: 0.40 ng
RT: 14.15 min Scan# 800
Delta R.T. -0.01 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion:152 Resp: 37936

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.3	24.5
153	13.7	11.1	16.7



Instrument :
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SSTDCCC0.4

Manual Integrations APPROVED
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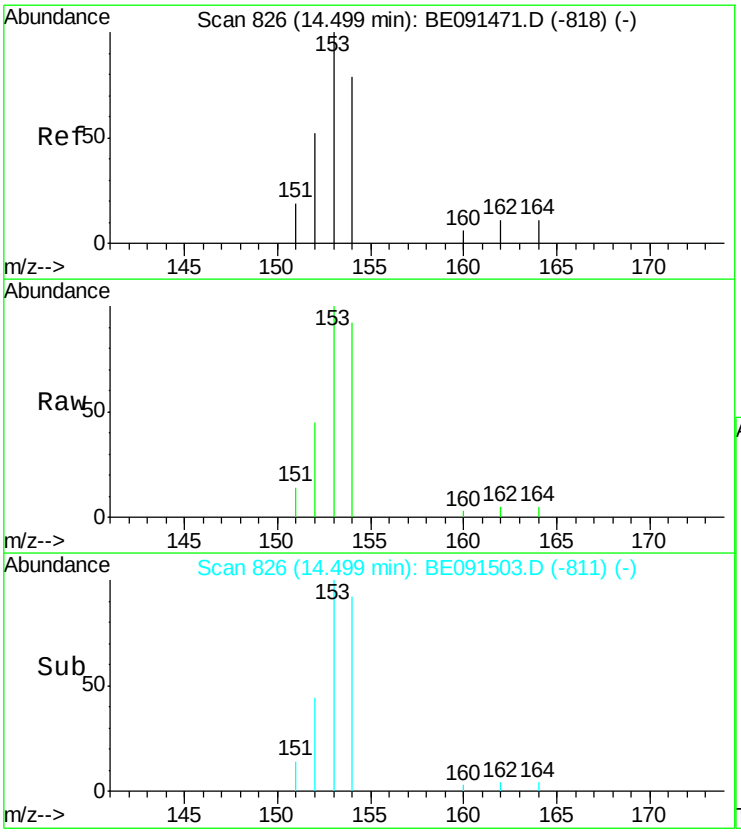
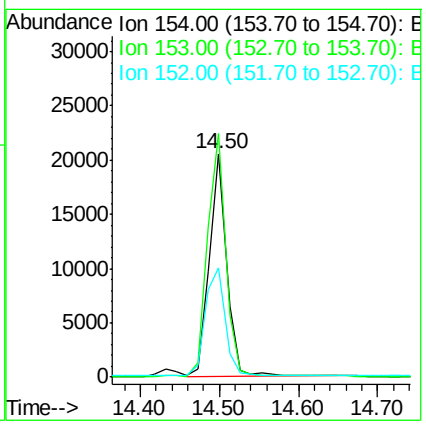
3/22/2016 11:28:35 AM

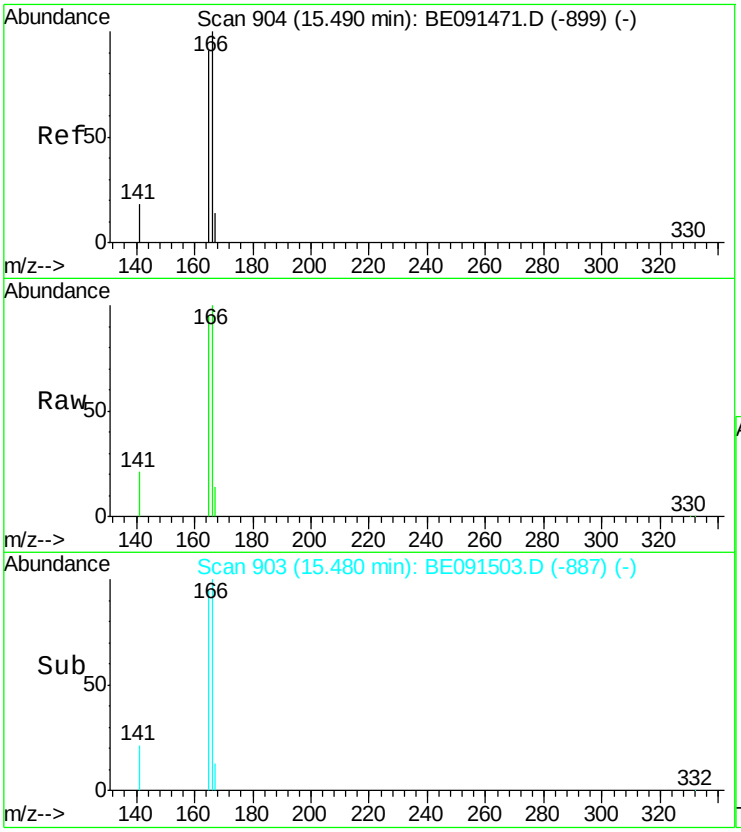


#14
Acenaphthene
Concen: 0.38 ng
RT: 14.50 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion:154 Resp: 31274

Ion	Ratio	Lower	Upper
154	100		
153	114.6	87.3	130.9
152	55.3	42.9	64.3

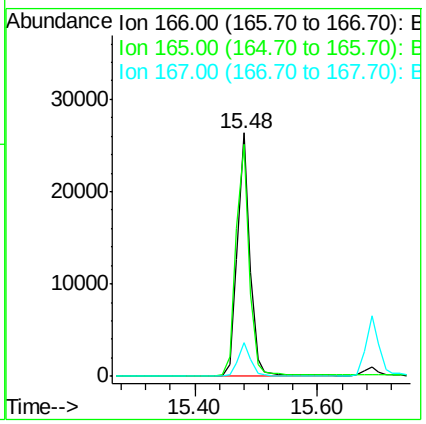




#15
Fluorene
Concen: 0.36 ng
RT: 15.48 min Scan# 903
Delta R.T. -0.01 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion:166 Resp: 37995

Ion	Ratio	Lower	Upper
166	100		
165	99.8	79.2	118.8
167	13.5	10.8	16.2



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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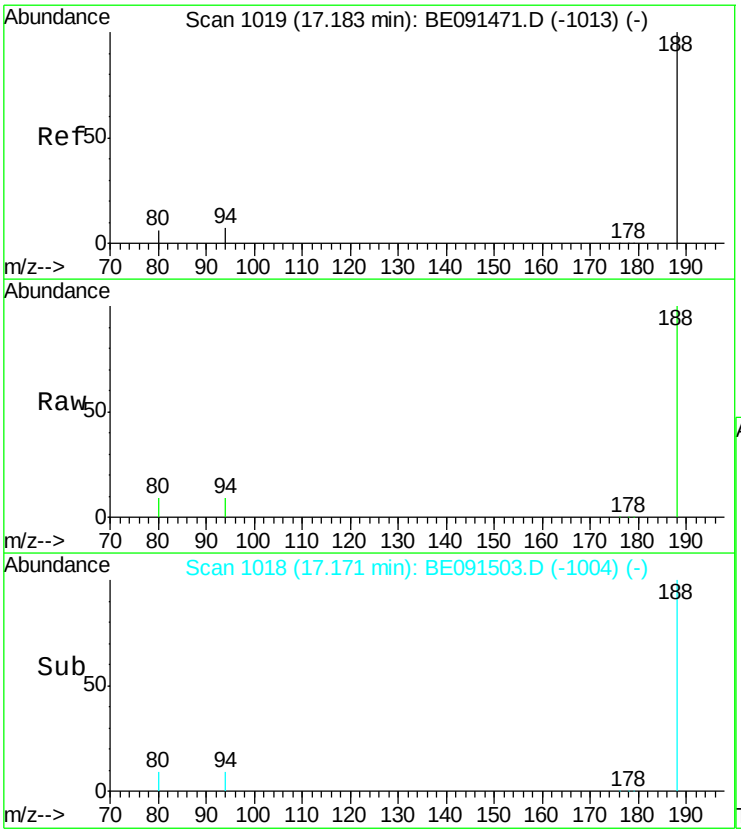
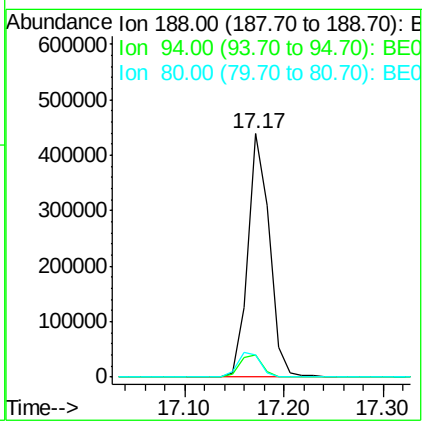
3/22/2016 11:28:35 AM

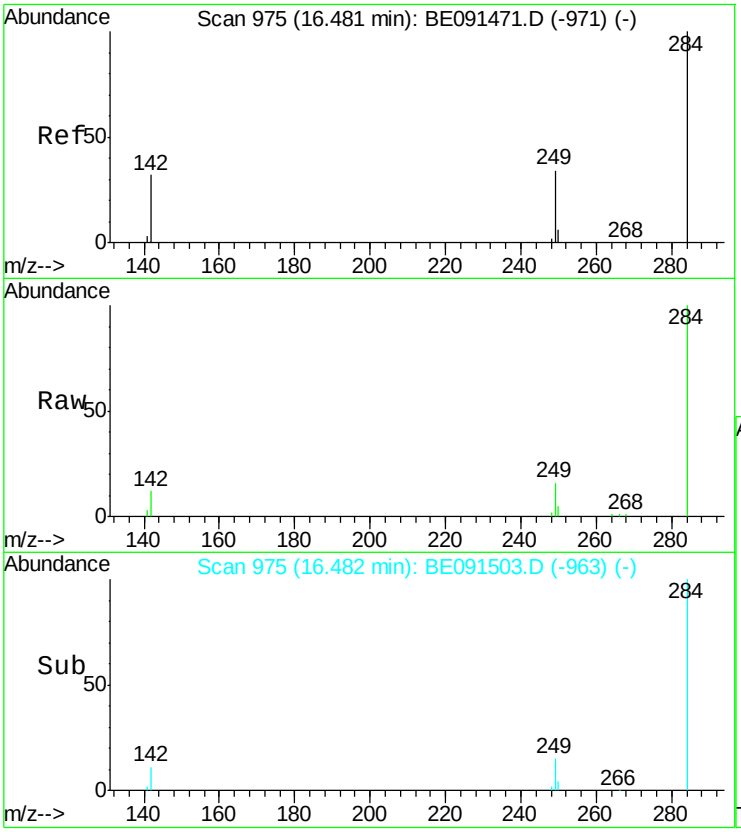


#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.17 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion:188 Resp: 658316

Ion	Ratio	Lower	Upper
188	100		
94	9.2	5.4	8.2#
80	9.2	5.0	7.4#

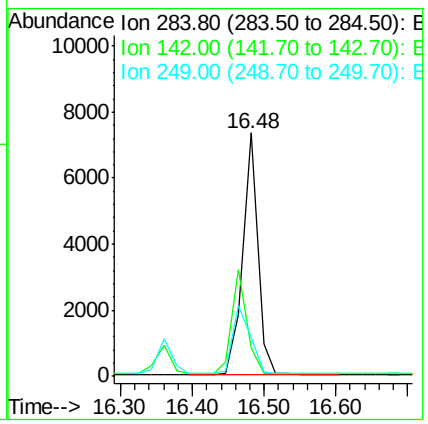




#17
Hexachlorobenzene
Concen: 0.37 ng
RT: 16.48 min Scan# 975
Delta R.T. 0.00 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion:284 Resp: 10509

Ion	Ratio	Lower	Upper
284	100		
142	43.2	31.0	46.4
249	32.7	25.8	38.8



Instrument :
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ClientSampleId :
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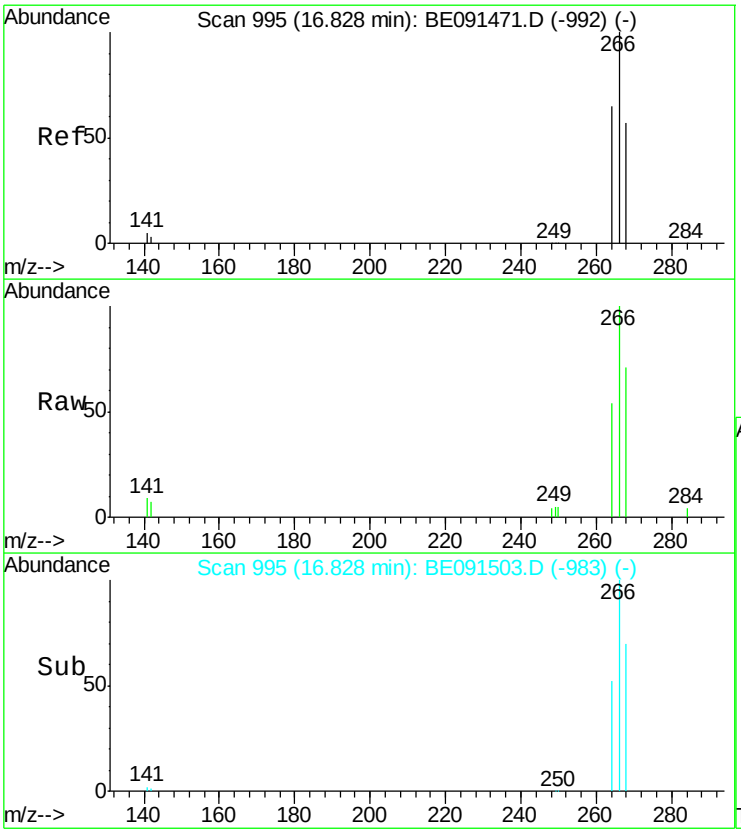
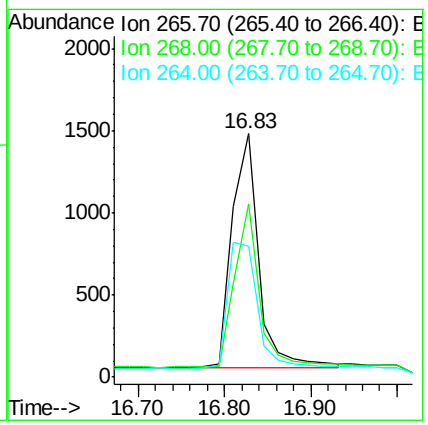
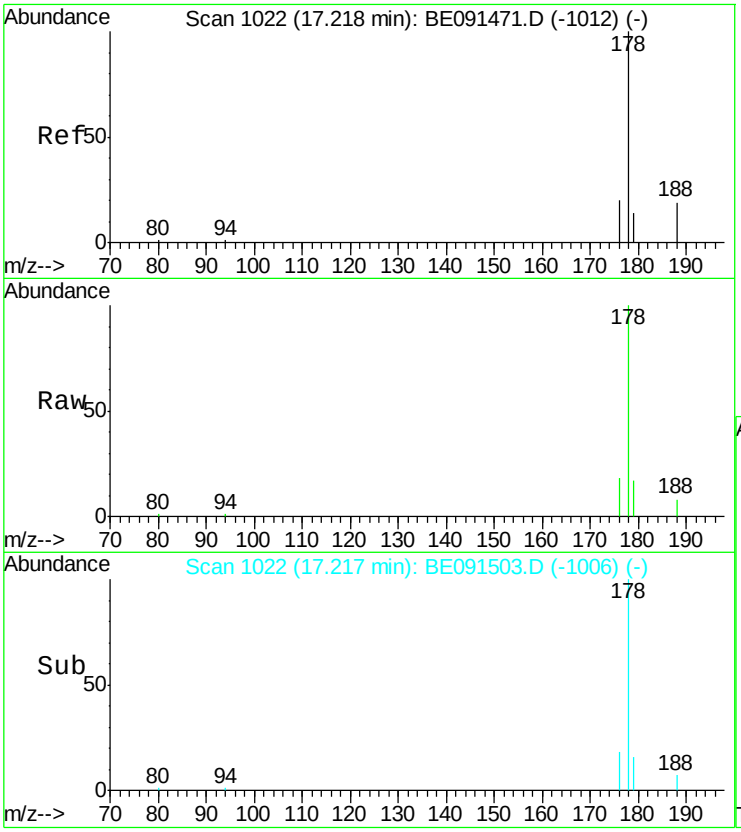


#18
Pentachlorophenol
Concen: 0.40 ng
RT: 16.83 min Scan# 995
Delta R.T. 0.00 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion:266 Resp: 3050

Ion	Ratio	Lower	Upper
266	100		
268	71.1	48.2	72.2
264	53.8	52.1	78.1

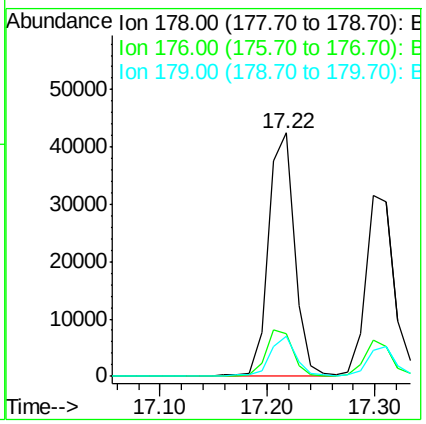




#19
Phenanthrene
Concen: 0.38 ng
RT: 17.22 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion:178 Resp: 71423

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.9	13.1	19.7



Instrument :
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ClientSampleId :
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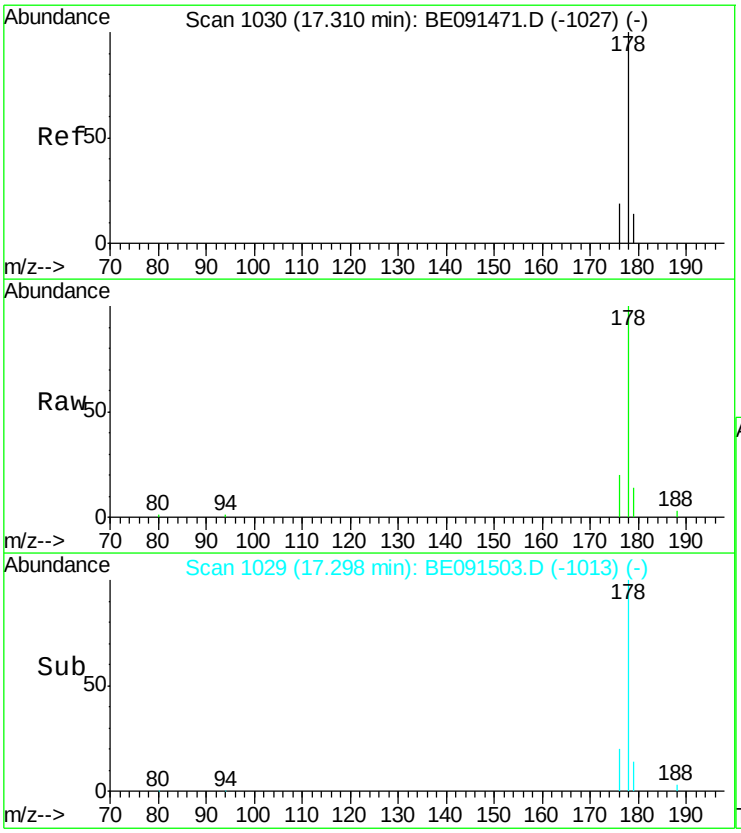
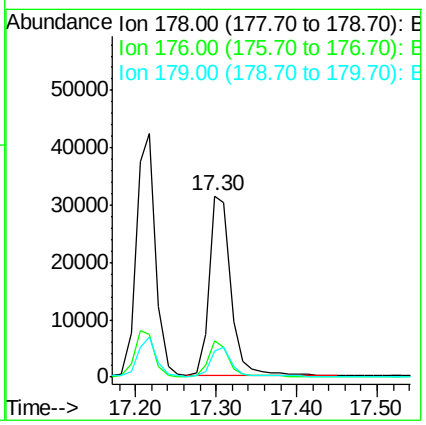
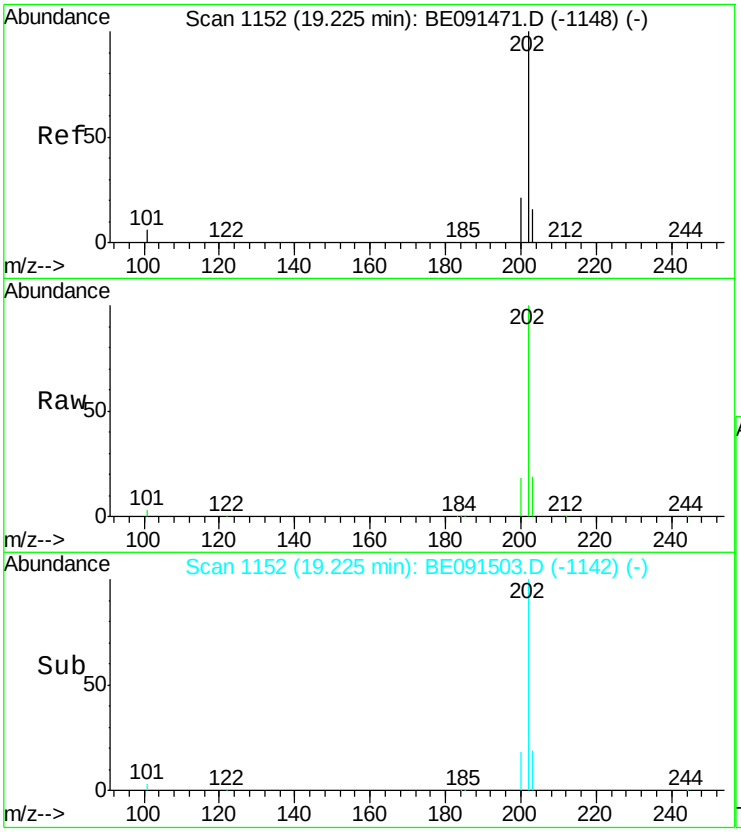


#20
Anthracene
Concen: 0.36 ng
RT: 17.30 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion:178 Resp: 58933

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	15.3	12.2	18.4





#21
Fluoranthene
Concen: 0.33 ng
RT: 19.23 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion:202 Resp: 70810

Ion	Ratio	Lower	Upper
202	100		
101	11.3	8.3	12.5
203	17.7	13.9	20.9

Instrument :
BNA_E
ClientSampleId :
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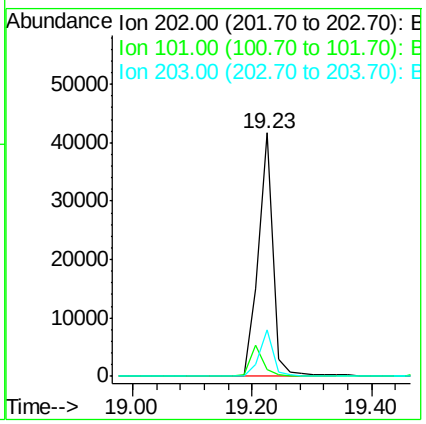
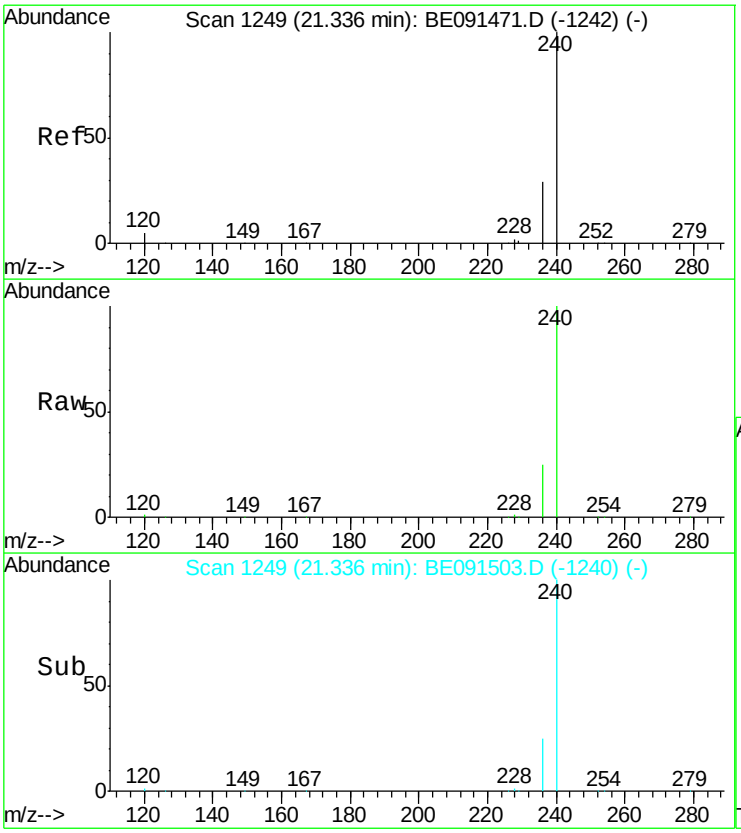
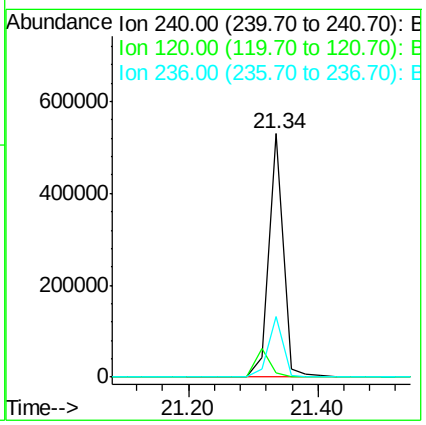


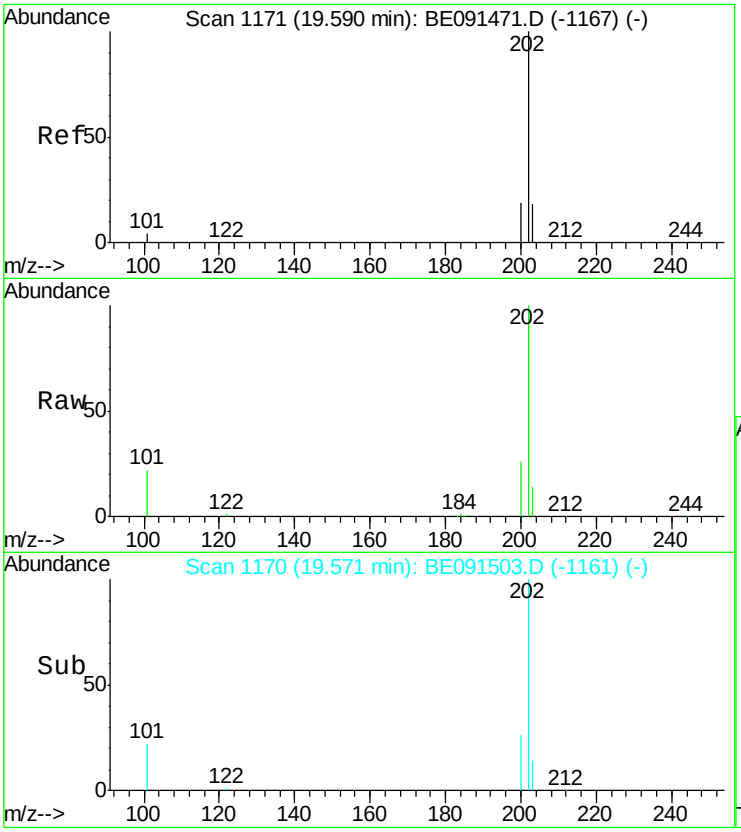


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.34 min Scan# 1249
Delta R.T. -0.00 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion:240 Resp: 830693

Ion	Ratio	Lower	Upper
240	100		
120	1.5	4.0	6.0#
236	24.9	23.0	34.4





#23
Pyrene
Concen: 0.36 ng
RT: 19.57 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion:202 Resp: 75313

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.4	24.6
203	17.4	14.6	21.8

Instrument :
BNA_E
ClientSampleId :
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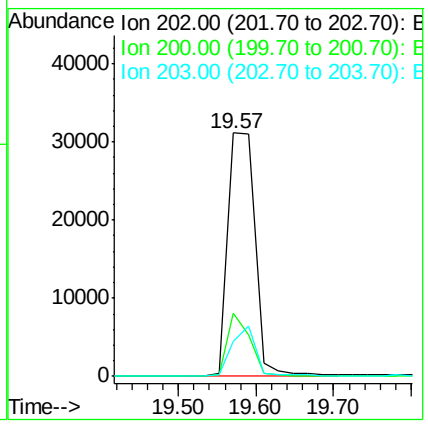
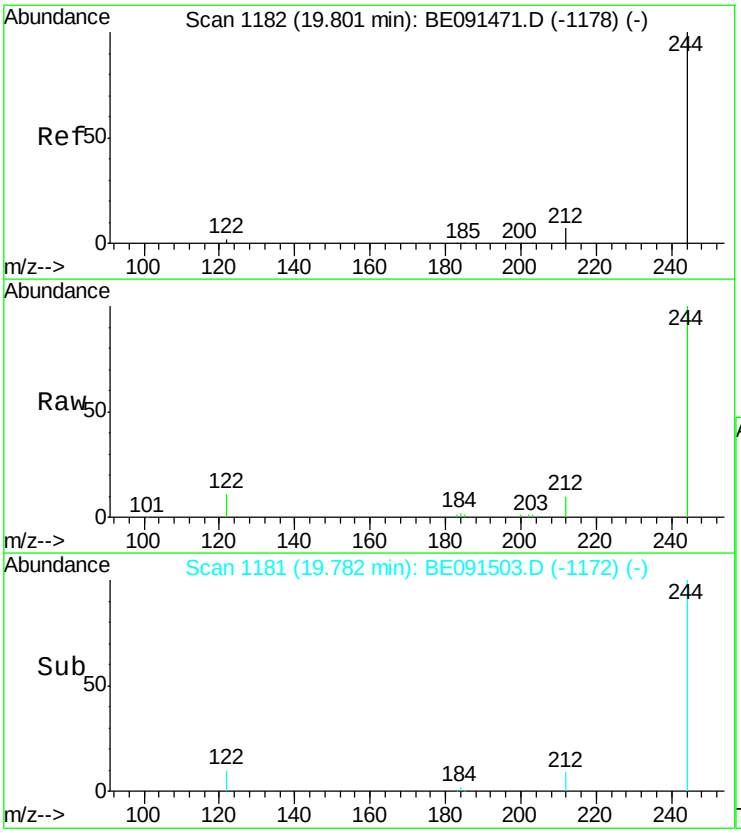
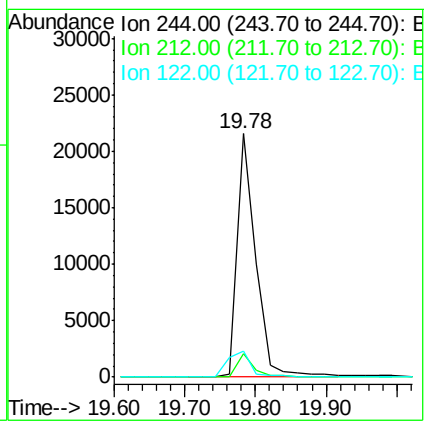


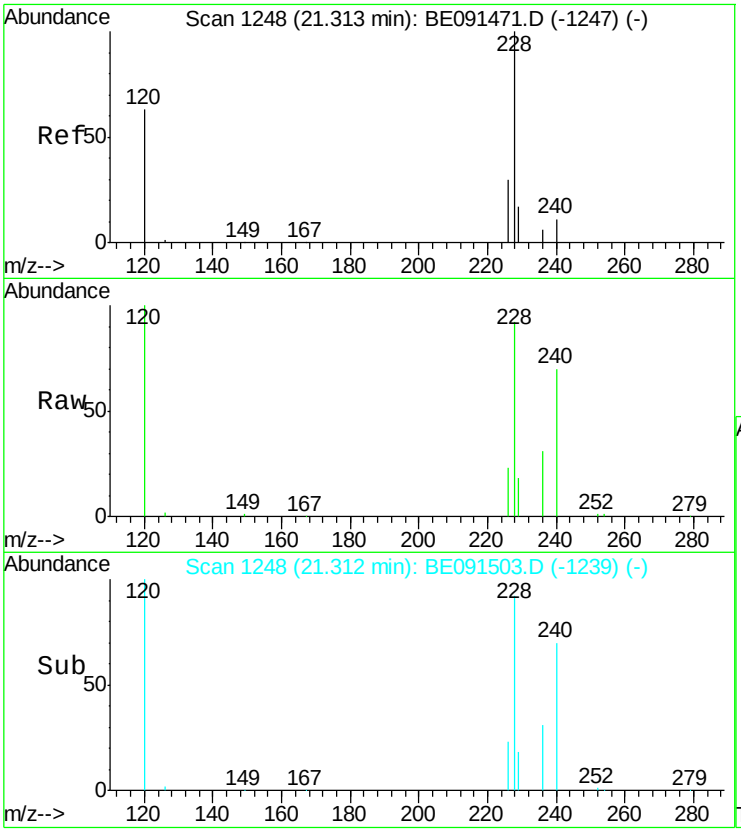


#24
Terphenyl-d14
Concen: 0.39 ng
RT: 19.78 min Scan# 1181
Delta R.T. -0.02 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion:244 Resp: 39063

Ion	Ratio	Lower	Upper
244	100		
212	9.6	5.8	8.8#
122	10.5	1.8	2.8#

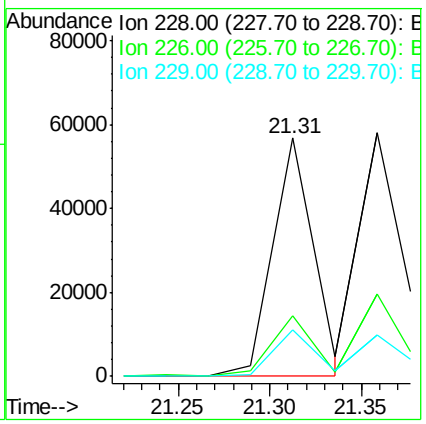




#25
Benzo(a)anthracene
Concen: 0.39 ng m
RT: 21.31 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion:228 Resp: 88453

Ion	Ratio	Lower	Upper
228	100		
226	25.4	24.0	36.0
229	19.7	13.8	20.6



Instrument :
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ClientSampleId :
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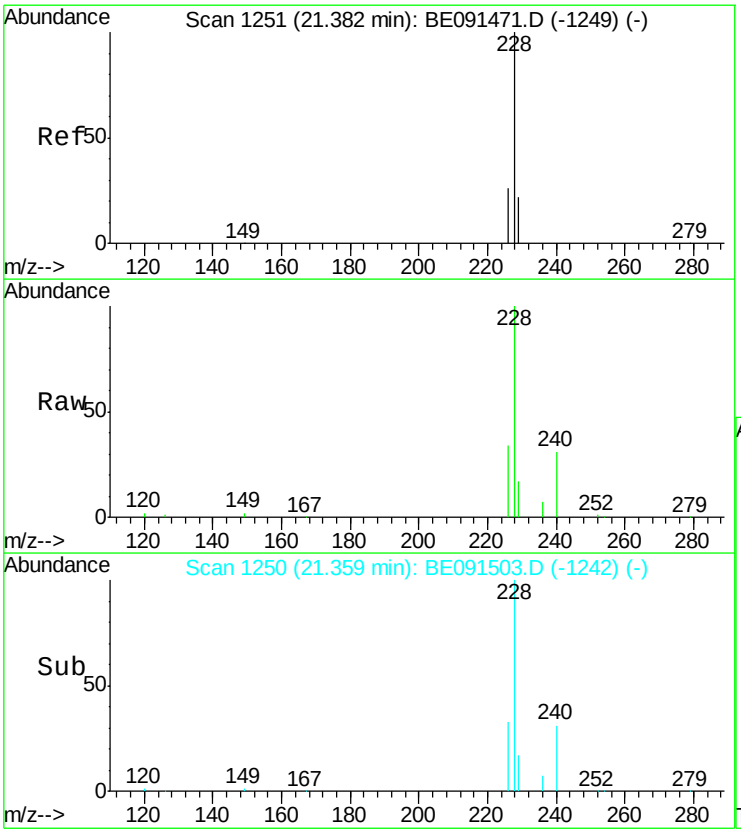
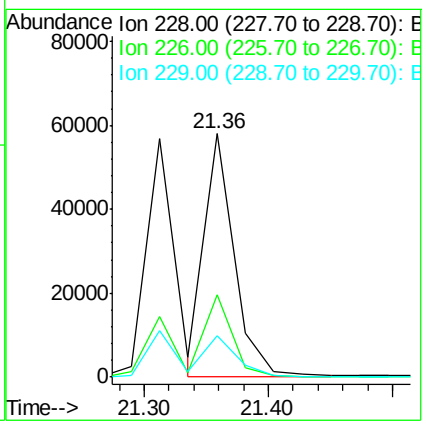
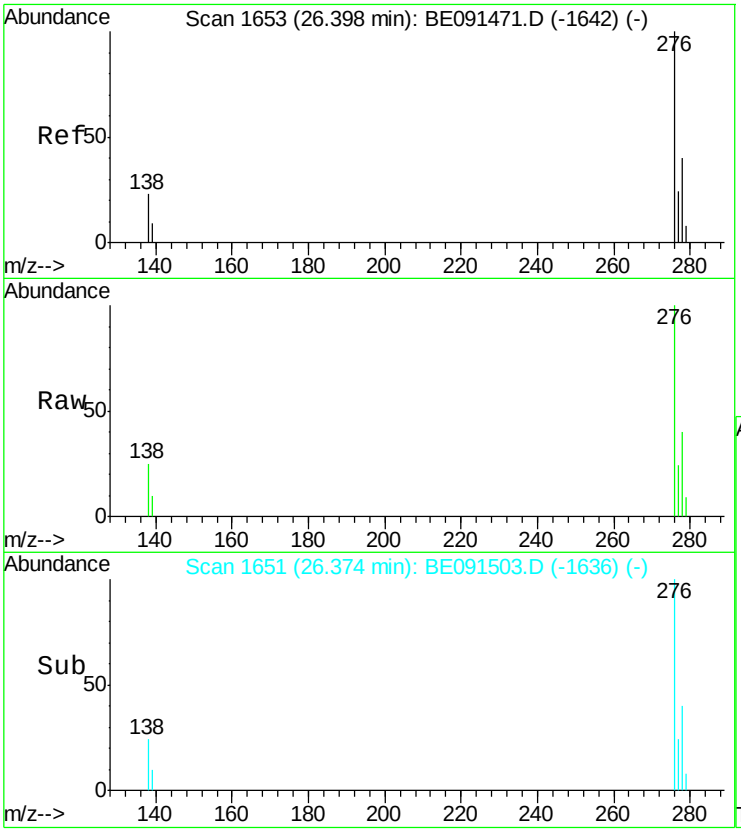


#26
Chrysene
Concen: 0.46 ng m
RT: 21.36 min Scan# 1250
Delta R.T. -0.02 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion:228 Resp: 98114

Ion	Ratio	Lower	Upper
228	100		
226	33.6	18.9	28.3#
229	17.0	19.1	28.7#

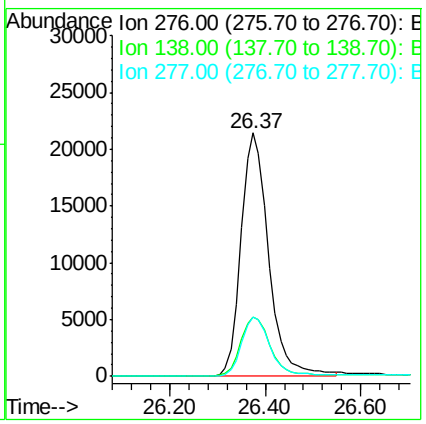




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.36 ng
RT: 26.37 min Scan# 1651
Delta R.T. -0.02 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion:276 Resp: 85085

Ion	Ratio	Lower	Upper
276	100		
138	25.8	20.2	30.4
277	24.7	19.8	29.8



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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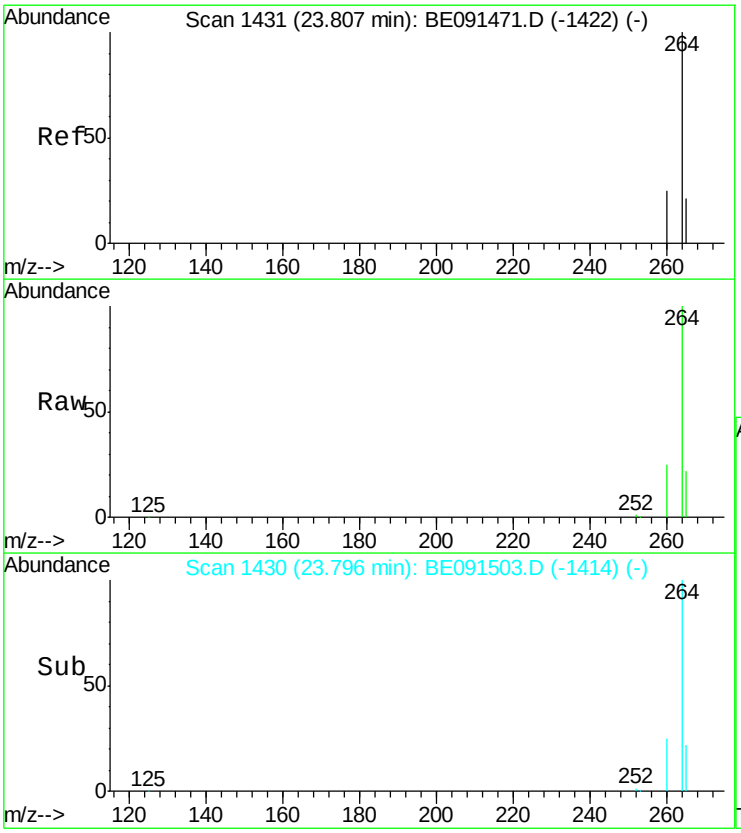
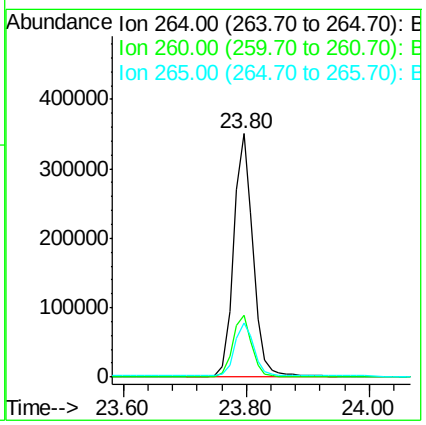
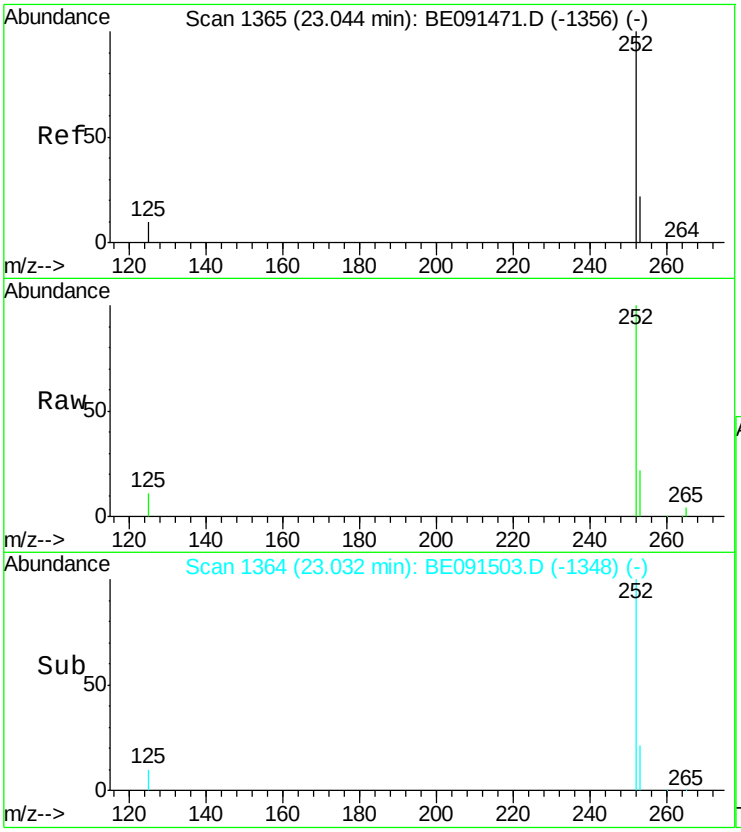


#28
Perylene-d12
Concen: 5.00 ng
RT: 23.80 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion:264 Resp: 771495

Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.1	30.1
265	22.4	18.3	27.5

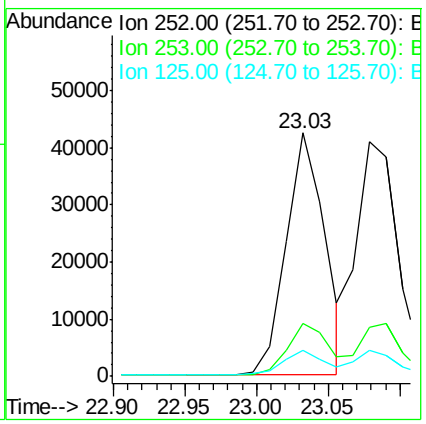




#29
Benzo(b)fluoranthene
Concen: 0.32 ng
RT: 23.03 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion:252 Resp: 79203

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.7	28.1
125	10.9	9.8	14.6



Instrument :
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ClientSampleId :
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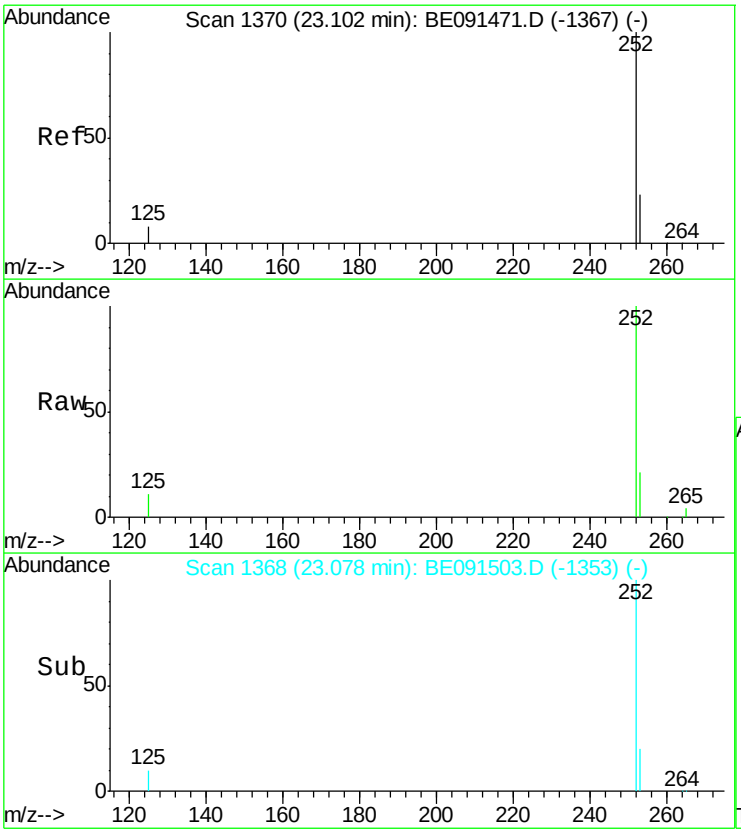
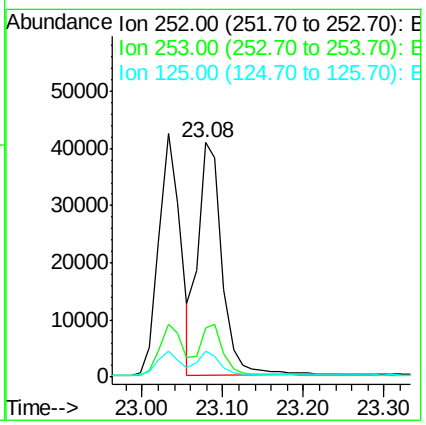
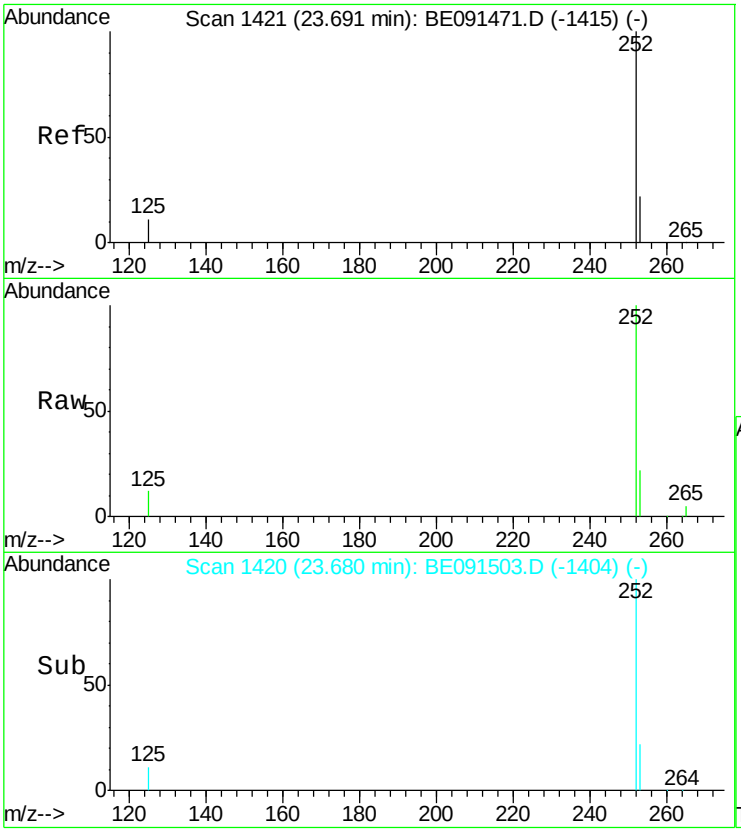


#30
Benzo(k)fluoranthene
Concen: 0.34 ng
RT: 23.08 min Scan# 1368
Delta R.T. -0.02 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion:252 Resp: 84290

Ion	Ratio	Lower	Upper
252	100		
253	21.0	20.2	30.4
125	11.3	9.4	14.2

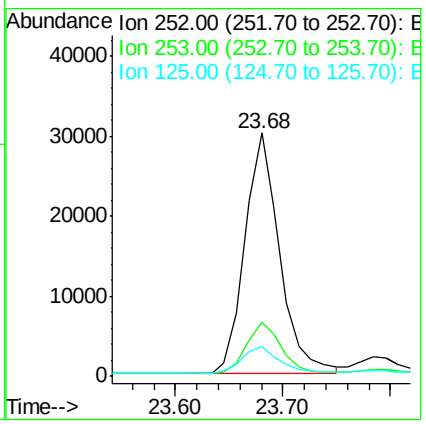




#31
Benzo(a)pyrene
Concen: 0.32 ng
RT: 23.68 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion:252 Resp: 67798

Ion	Ratio	Lower	Upper
252	100		
253	22.4	19.4	29.0
125	12.2	11.4	17.2



Instrument :
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ClientSampleId :
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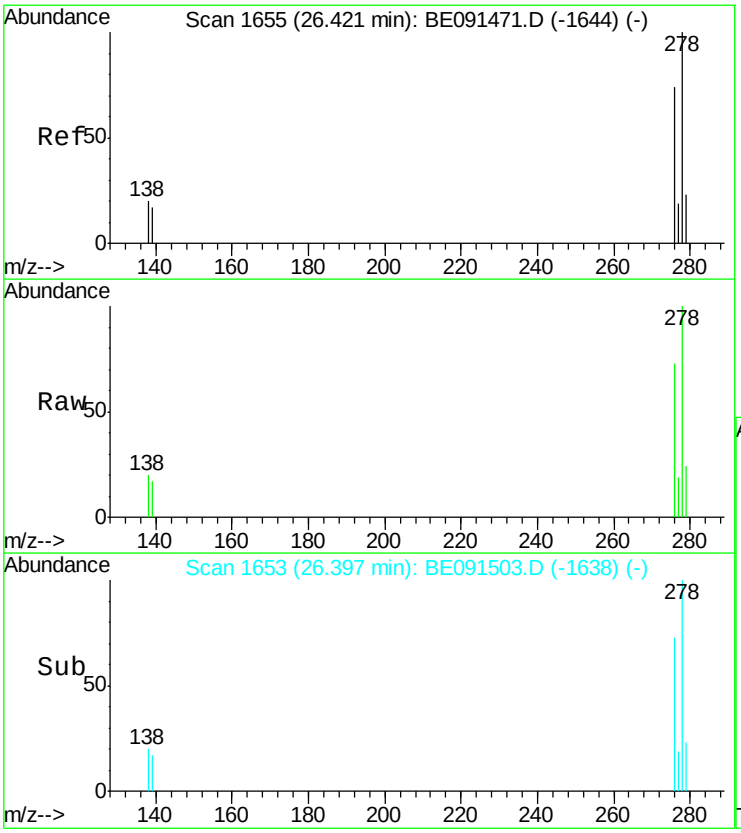
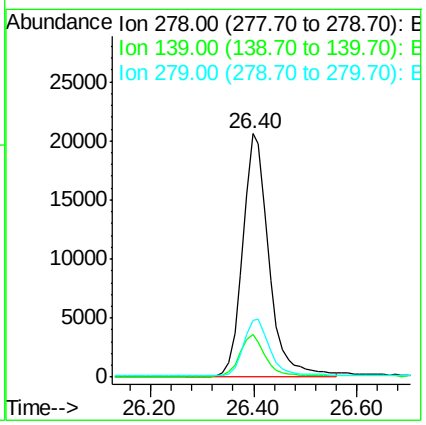
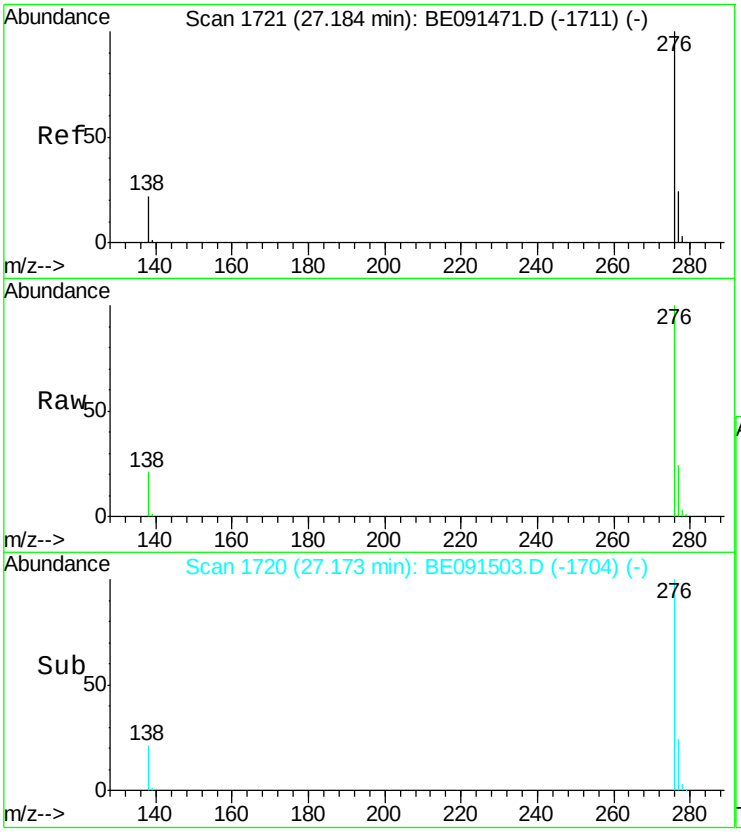


#32
Dibenzo(a,h)anthracene
Concen: 0.34 ng
RT: 26.40 min Scan# 1653
Delta R.T. -0.02 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion:278 Resp: 72070

Ion	Ratio	Lower	Upper
278	100		
139	17.5	14.2	21.4
279	23.6	19.6	29.4

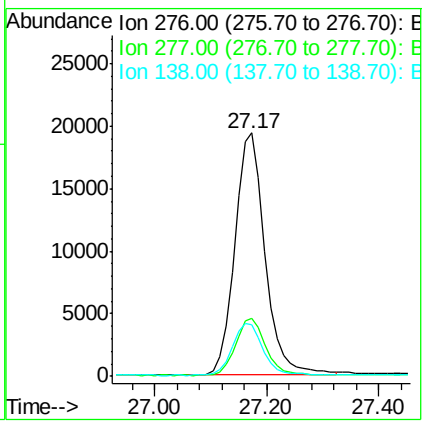




#33
Benzo(g,h,i)perylene
Concen: 0.33 ng
RT: 27.17 min Scan# 1720
Delta R.T. -0.01 min
Lab File: BE091503.D
Acq: 21 Mar 2016 17:34

Tgt Ion:276 Resp: 73497

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.4	29.2
138	21.4	18.2	27.4



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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