Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE033116\
Data File : BE091564.D
Acq On : 30 Mar 2016 21:22
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
Sohil
3/31/2016 7:42:36 PM

Quant Time: Mar 31 00:55:58 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE033016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 30 18:45:59 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	38791	5.00	ng		0.00
6) Naphthalene-d8	10.59	136	176572	5.00	ng		0.00
10) Acenaphthene-d10	14.42	164	103077	5.00	ng		-0.03
16) Phenanthrene-d10	17.16	188	256924	5.00	ng		-0.01
22) Chrysene-d12	21.31	240	382394	5.00	ng		-0.02
28) Perylene-d12	23.76	264	314184	5.00	ng		-0.03
System Monitoring Compounds							
4) 2-Fluorophenol	5.41	112	3822	0.38	ng		-0.01
5) Phenol-d6	6.97	99	5042	0.37	ng		-0.02
7) Nitrobenzene-d5	8.96	82	4387	0.37	ng		-0.02
11) 2,4,6-Tribromophenol	15.91	330	1347	0.29	ng		-0.01
12) 2-Fluorobiphenyl	13.05	172	11871	0.41	ng		-0.02
24) Terphenyl-d14	19.76	244	17343	0.36	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.35	88	2127	0.37	ng		96
3) n-Nitrosodimethylamine	3.65	42	2727	0.39	ng		94
8) Naphthalene	10.63	128	14320	0.39	ng		97
9) 2-Methylnaphthalene	12.24	142	9204	0.39	ng	#	84
13) Acenaphthylene	14.14	152	16843	0.41	ng	#	93
14) Acenaphthene	14.49	154	10058	0.39	ng		96
15) Fluorene	15.47	166	12733	0.39	ng		99
17) Hexachlorobenzene	16.46	284	3730	0.39	ng		97
18) Pentachlorophenol	16.81	266	2010	0.38	ng	#	86
19) Phenanthrene	17.19	178	23670	0.39	ng		99
20) Anthracene	17.29	178	20705	0.37	ng		100
21) Fluoranthene	19.21	202	26750	0.38	ng		99
23) Pyrene	19.57	202	27491	0.35	ng		100
25) Benzo(a)anthracene	21.29	228	33748m	0.38	ng		
26) Chrysene	21.34	228	28110m	0.37	ng		
27) Indeno(1,2,3-cd)pyrene	26.32	276	31218	0.35	ng		99
29) Benzo(b)fluoranthene	23.01	252	30372	0.40	ng		98
30) Benzo(k)fluoranthene	23.06	252	26821	0.36	ng		97
31) Benzo(a)pyrene	23.65	252	26034	0.37	ng		98
32) Dibenzo(a,h)anthracene	26.35	278	25823	0.38	ng		99
33) Benzo(g,h,i)perylene	27.11	276	26411	0.38	ng		99

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

Quantitation Report (QT Reviewed)

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Data File : BE091564.D
Acq On : 30 Mar 2016 21:22
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 11 Sample Multiplier: 1

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Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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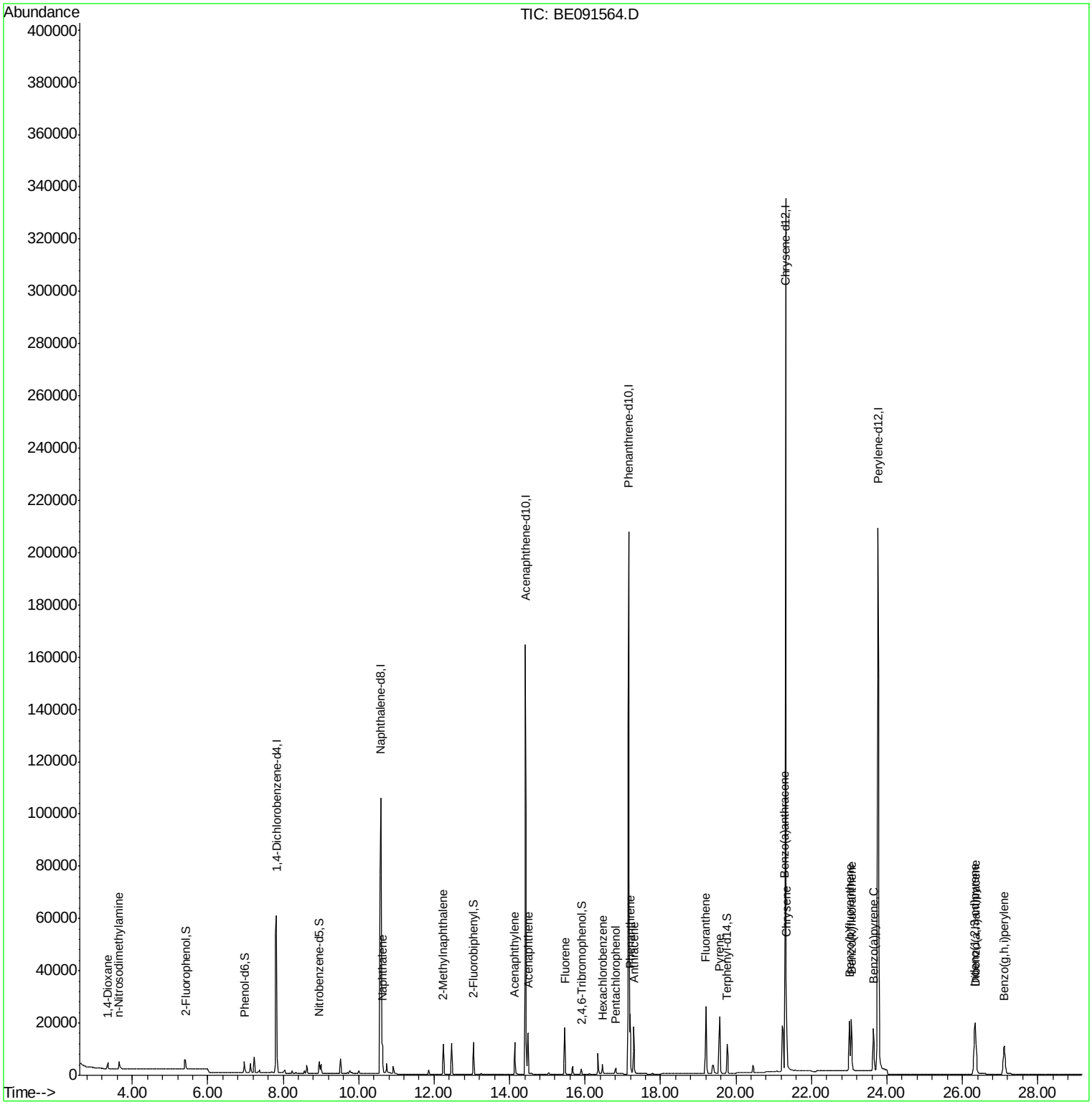
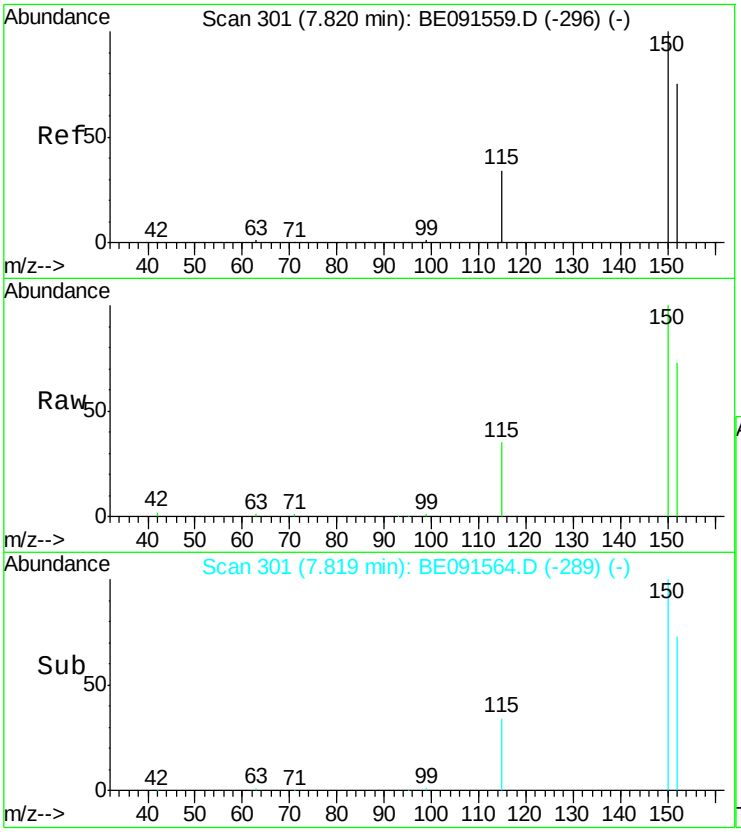
3/31/2016 7:42:36 PM

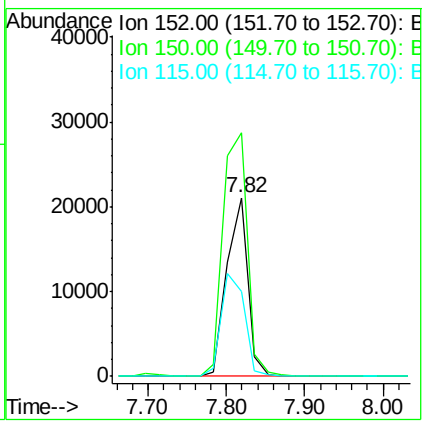




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.82 min Scan# 301
Delta R.T. -0.00 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion:152 Resp: 38791

Ion	Ratio	Lower	Upper
152	100		
150	136.5	122.2	183.2
115	47.3	45.9	68.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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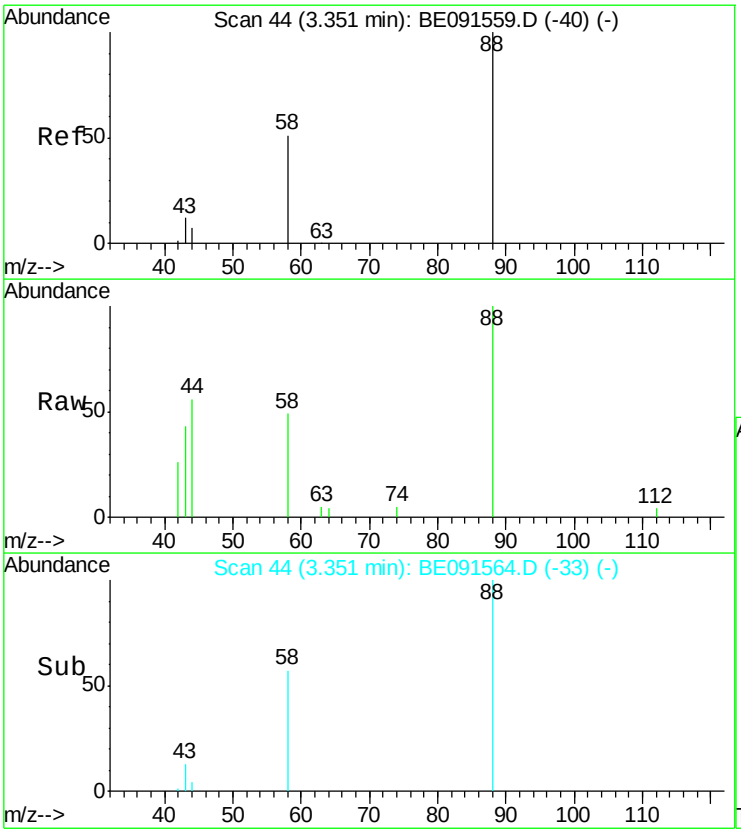
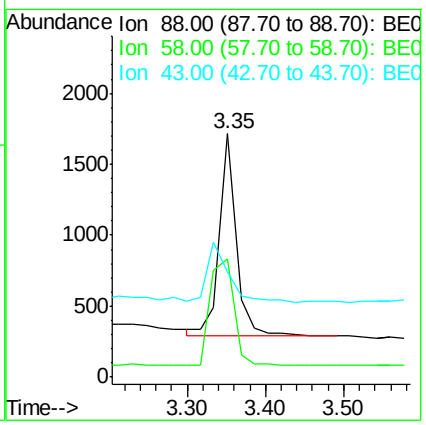
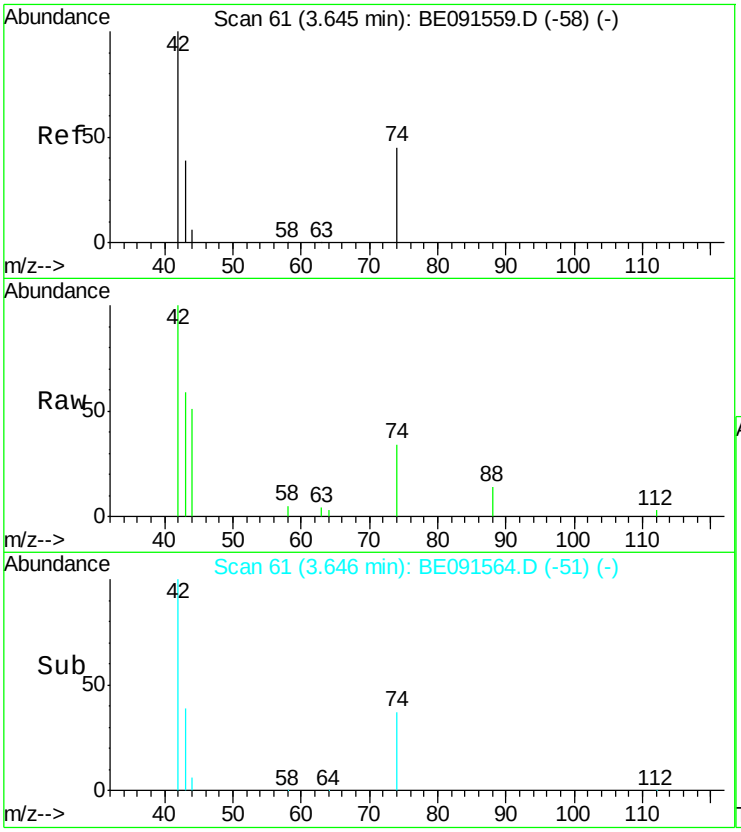


#2
1,4-Dioxane
Concen: 0.37 ng
RT: 3.35 min Scan# 44
Delta R.T. -0.01 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion: 88 Resp: 2127

Ion	Ratio	Lower	Upper
88	100		
58	75.3	61.0	91.6
43	38.1	25.4	38.2

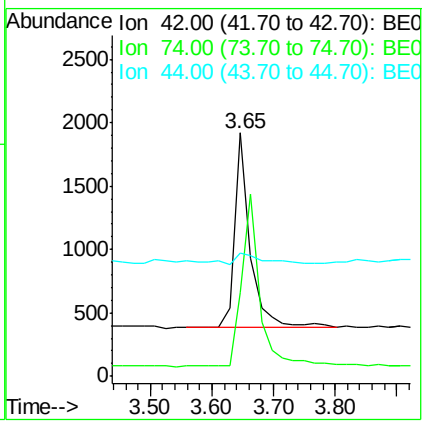




#3
n-Nitrosodimethylamine
Concen: 0.39 ng
RT: 3.65 min Scan# 61
Delta R.T. -0.03 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion: 42 Resp: 2727

Ion	Ratio	Lower	Upper
42	100		
74	98.6	84.3	126.5
44	9.1	6.7	10.1



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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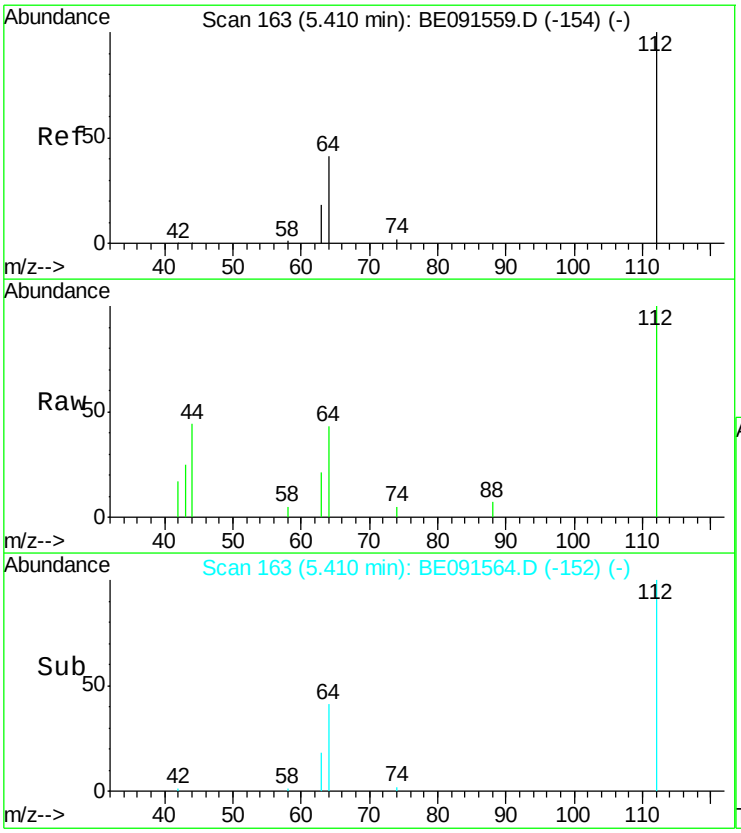
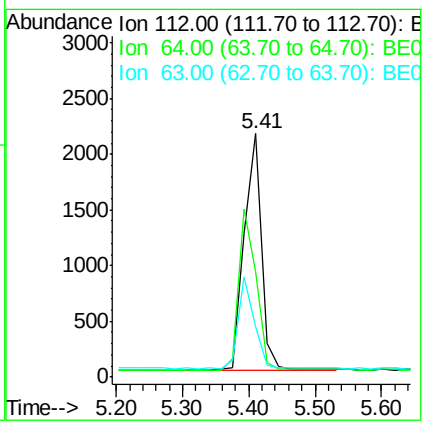
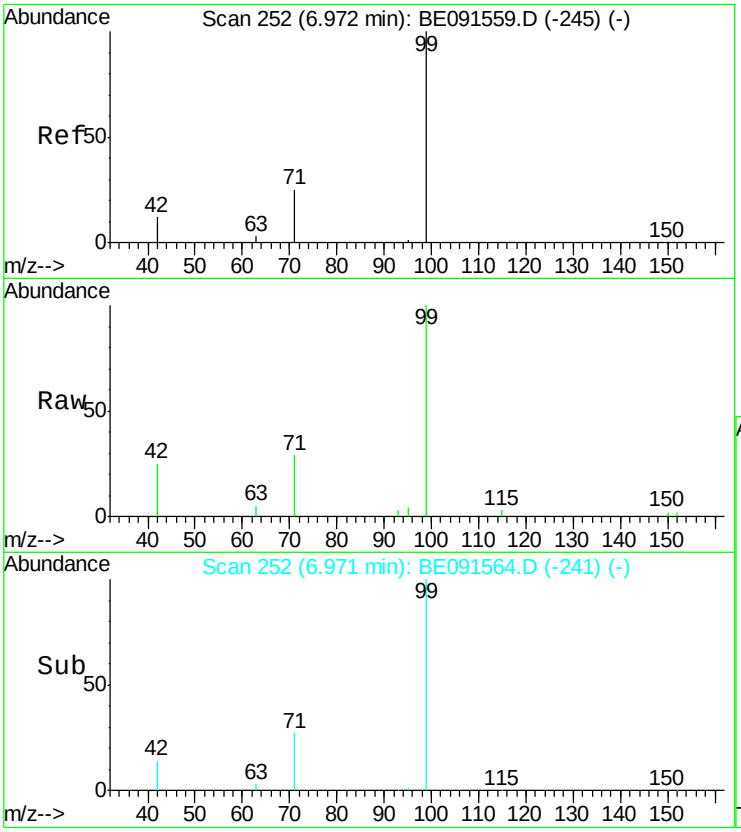


#4
2-Fluorophenol
Concen: 0.38 ng
RT: 5.41 min Scan# 163
Delta R.T. -0.01 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion:112 Resp: 3822

Ion	Ratio	Lower	Upper
112	100		
64	68.4	53.3	79.9
63	37.1	29.8	44.8

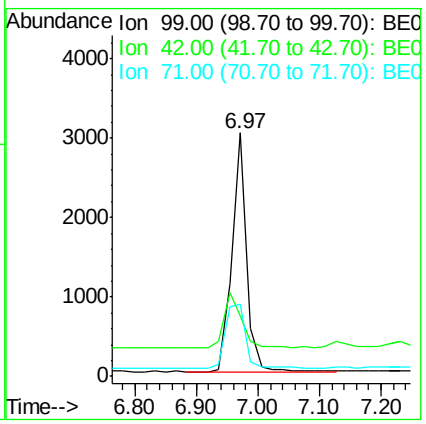




#5
Phenol-d6
Concen: 0.37 ng
RT: 6.97 min Scan# 252
Delta R.T. -0.02 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion: 99 Resp: 5042

Ion	Ratio	Lower	Upper
99	100		
42	28.1	20.6	30.8
71	37.0	29.0	43.4



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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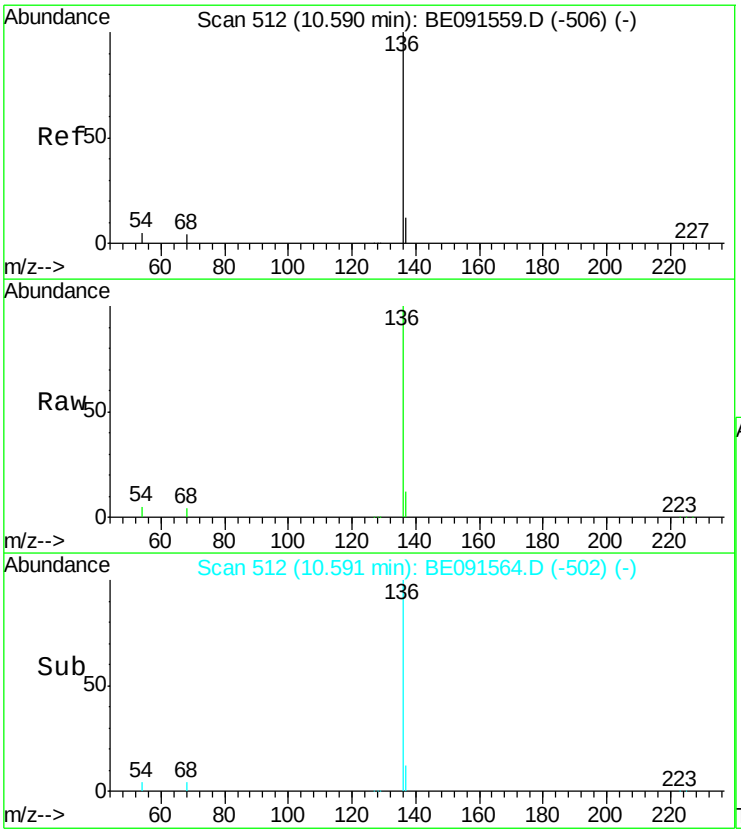
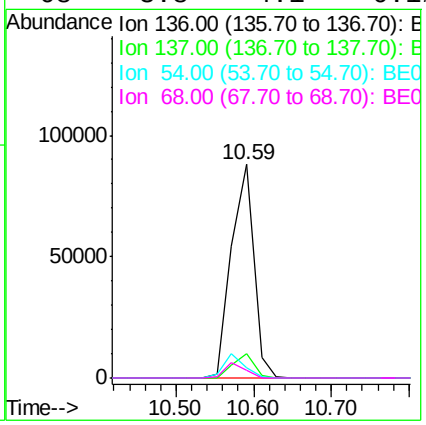
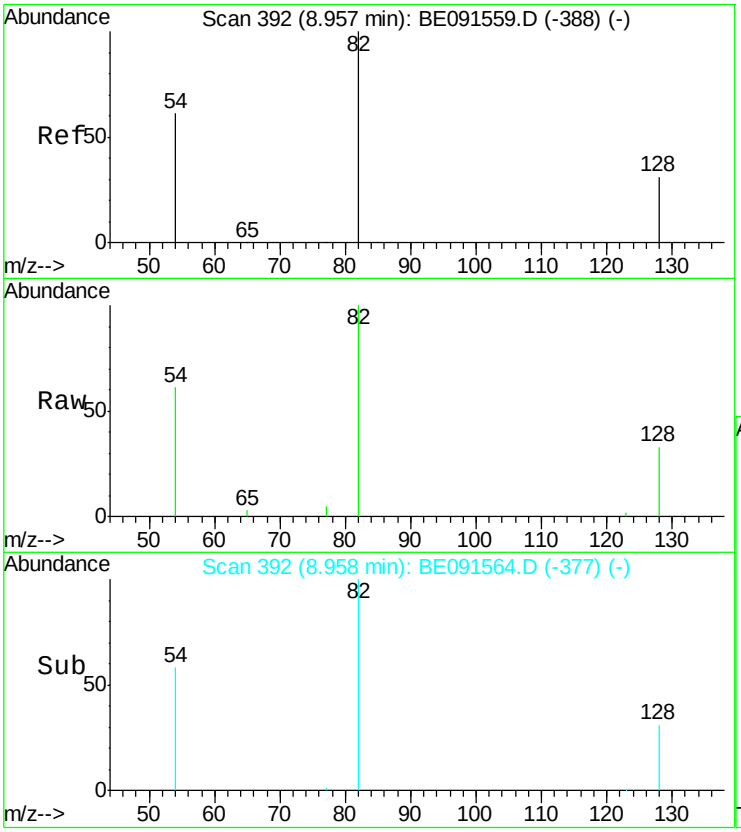


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.59 min Scan# 512
Delta R.T. -0.00 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion:136 Resp: 176572

Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.8	13.2
54	4.6	5.2	7.8#
68	3.8	4.1	6.1#

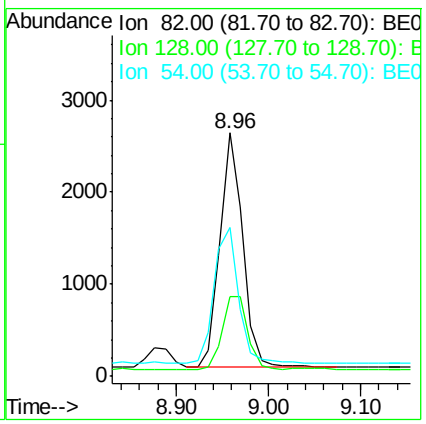




#7
Nitrobenzene-d5
Concen: 0.37 ng
RT: 8.96 min Scan# 392
Delta R.T. -0.02 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion: 82 Resp: 4387

Ion	Ratio	Lower	Upper
82	100		
128	32.6	23.5	35.3
54	61.4	52.4	78.6



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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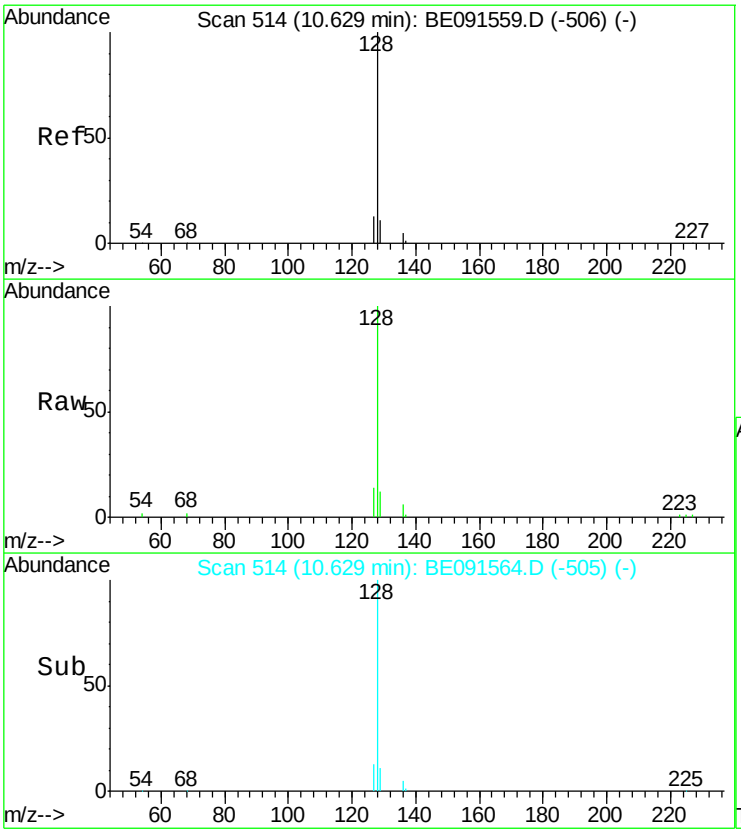
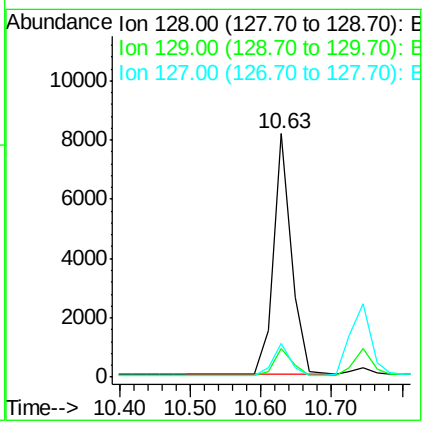
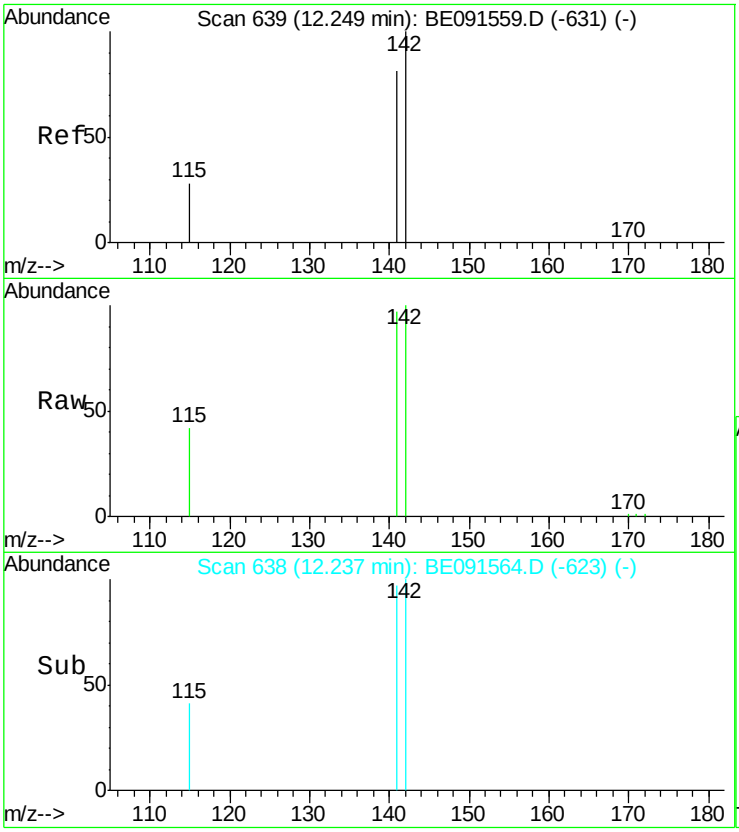


#8
Naphthalene
Concen: 0.39 ng
RT: 10.63 min Scan# 514
Delta R.T. -0.02 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion:128 Resp: 14320

Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.2	12.2
127	13.8	11.8	17.8

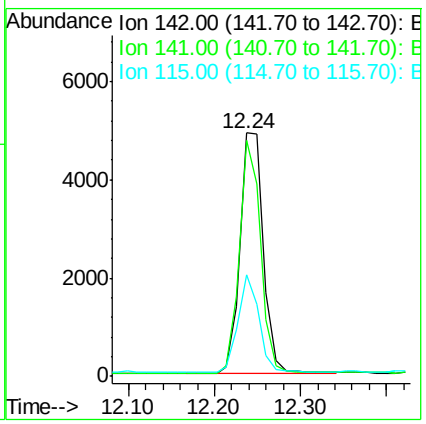




#9
2-Methylnaphthalene
Concen: 0.39 ng
RT: 12.24 min Scan# 638
Delta R.T. -0.02 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion:142 Resp: 9204

Ion	Ratio	Lower	Upper
142	100		
141	97.0	66.9	100.3
115	41.9	25.1	37.7#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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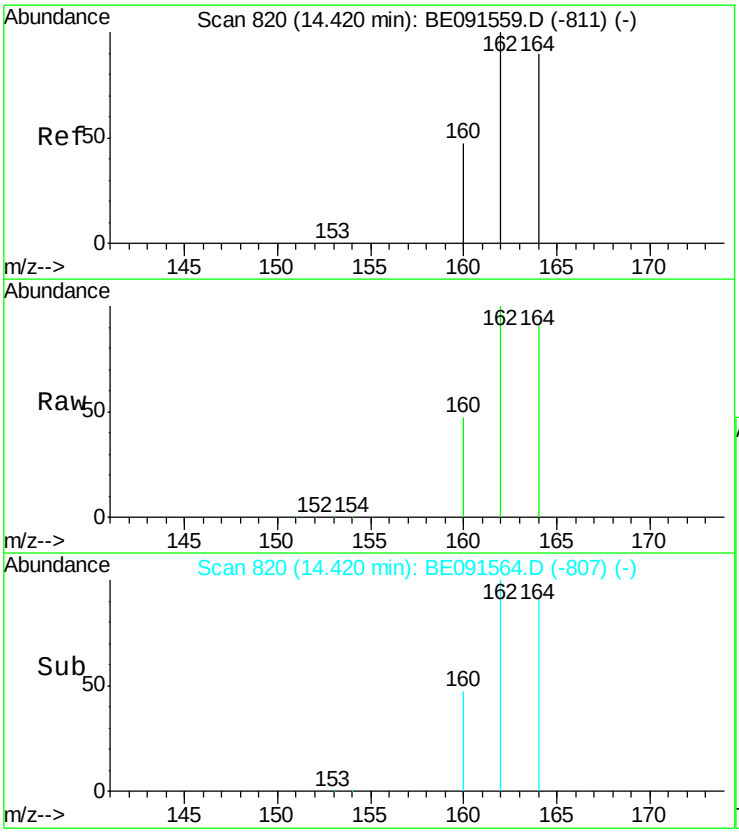
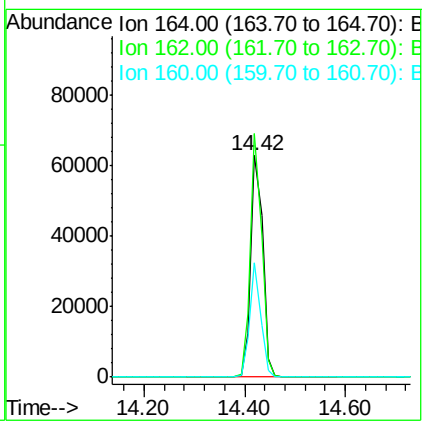
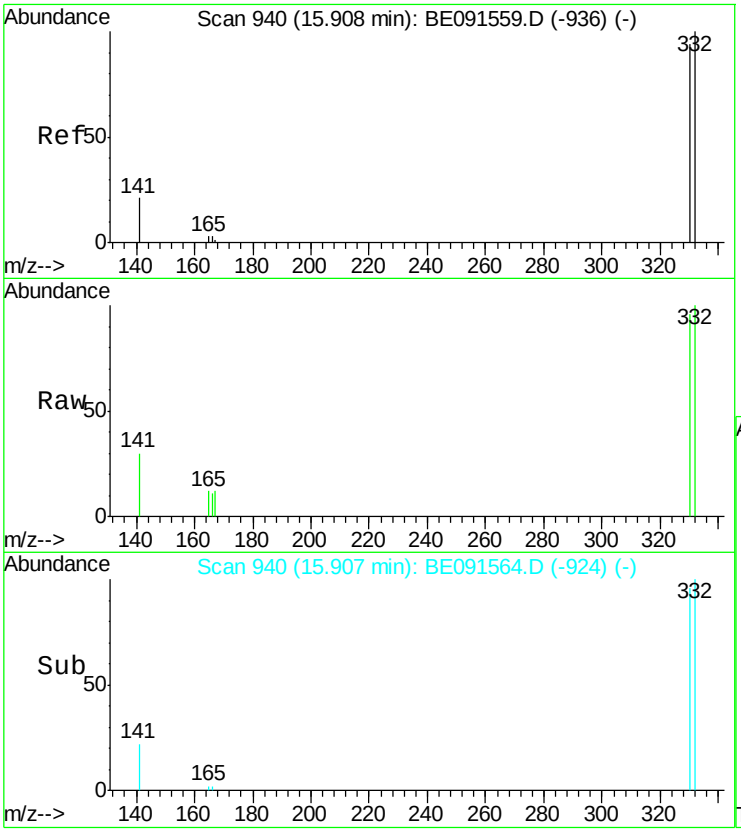


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.42 min Scan# 820
Delta R.T. -0.03 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion:164 Resp: 103077

Ion	Ratio	Lower	Upper
164	100		
162	109.9	84.4	126.6
160	51.8	37.7	56.5

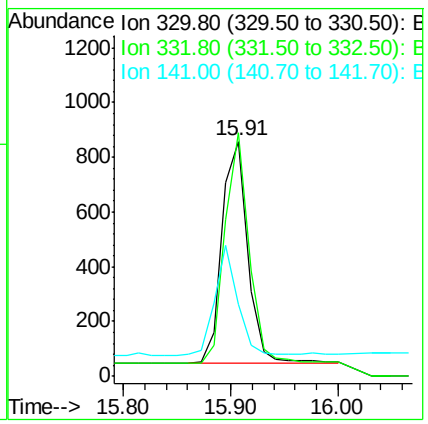




#11
2,4,6-Tribromophenol
Concen: 0.29 ng
RT: 15.91 min Scan# 940
Delta R.T. -0.01 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion:330 Resp: 1347

Ion	Ratio	Lower	Upper
330	100		
332	97.0	79.2	118.8
141	44.5	28.1	42.1#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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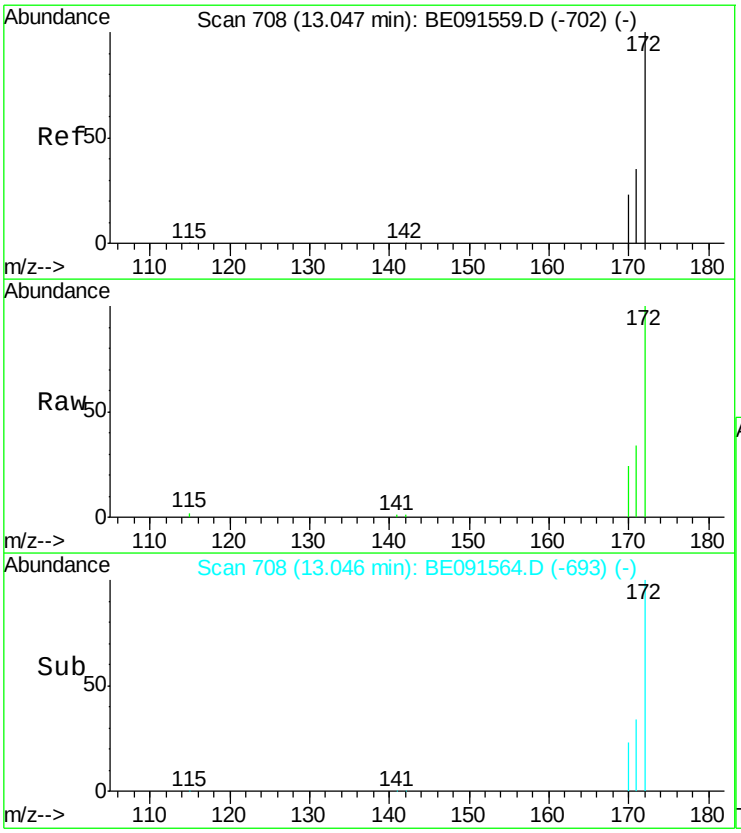
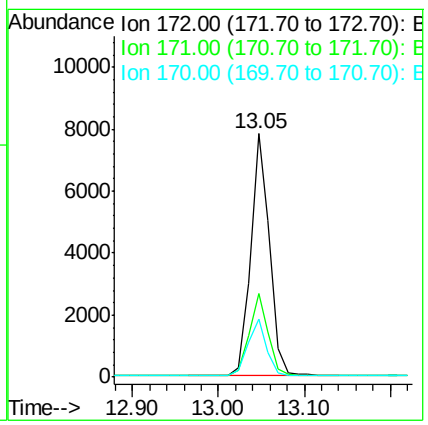
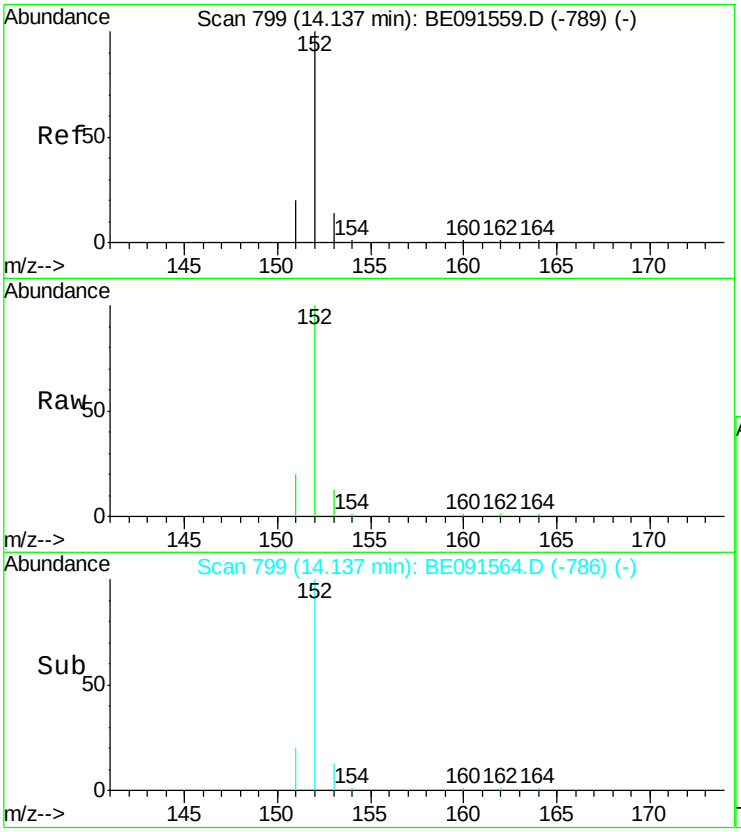


#12
2-Fluorobiphenyl
Concen: 0.41 ng
RT: 13.05 min Scan# 708
Delta R.T. -0.02 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion:172 Resp: 11871

Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.8	44.8
170	24.0	21.4	32.2





#13
Acenaphthylene
Concen: 0.41 ng
RT: 14.14 min Scan# 799
Delta R.T. -0.01 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion:152 Resp: 16843

Ion	Ratio	Lower	Upper
152	100		
151	18.0	16.3	24.5
153	17.6	11.1	16.7#

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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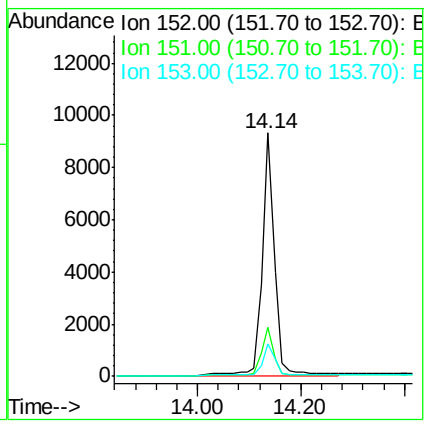
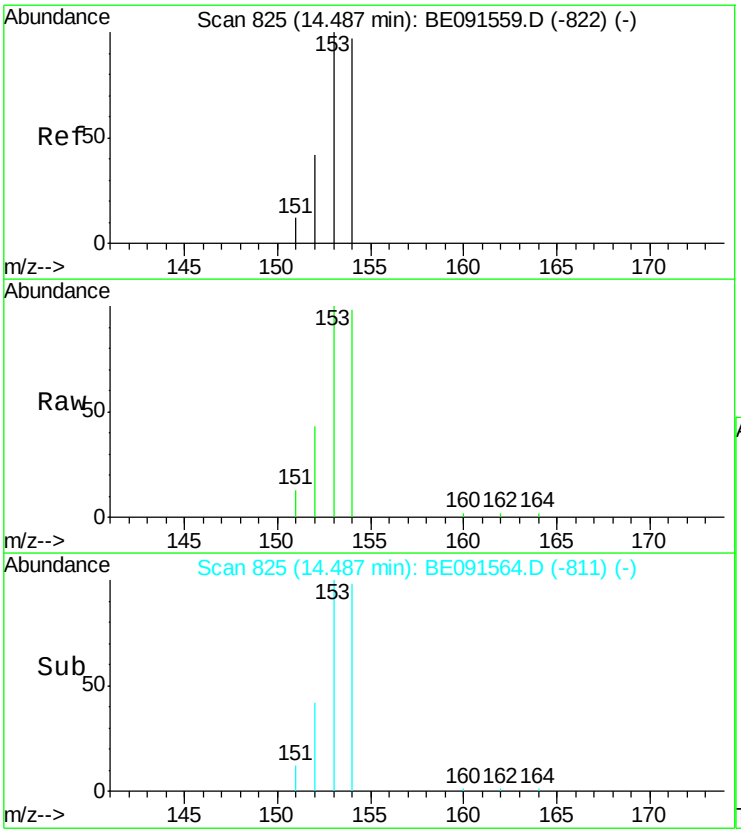
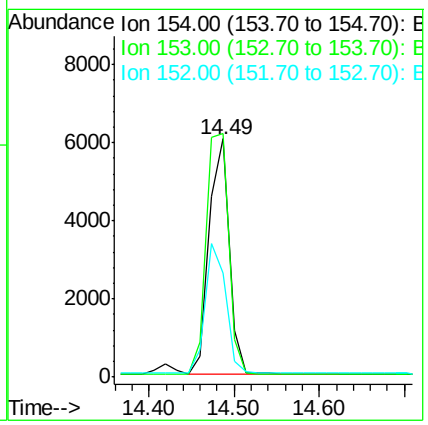


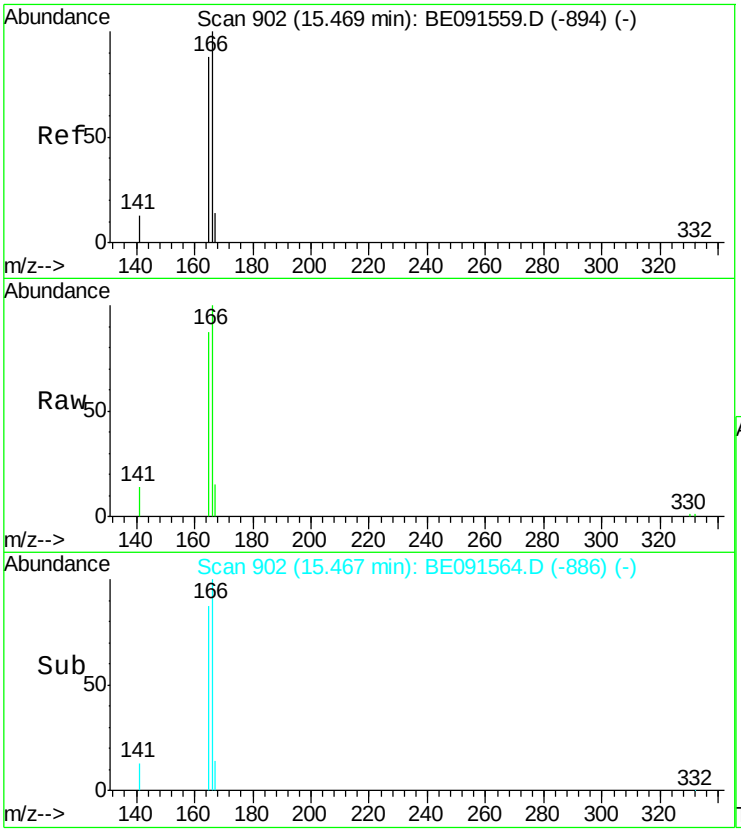


#14
Acenaphthene
Concen: 0.39 ng
RT: 14.49 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion:154 Resp: 10058

Ion	Ratio	Lower	Upper
154	100		
153	113.8	87.3	130.9
152	55.9	42.9	64.3

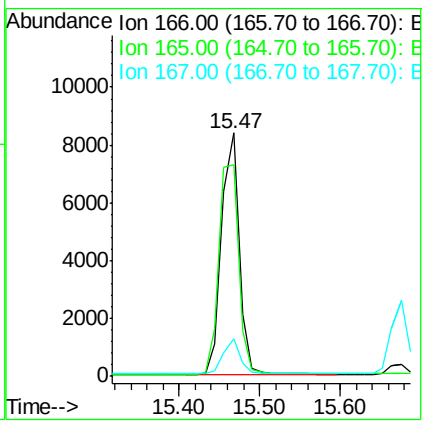




#15
Fluorene
Concen: 0.39 ng
RT: 15.47 min Scan# 902
Delta R.T. -0.01 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion:166 Resp: 12733

Ion	Ratio	Lower	Upper
166	100		
165	98.3	79.2	118.8
167	13.4	10.8	16.2



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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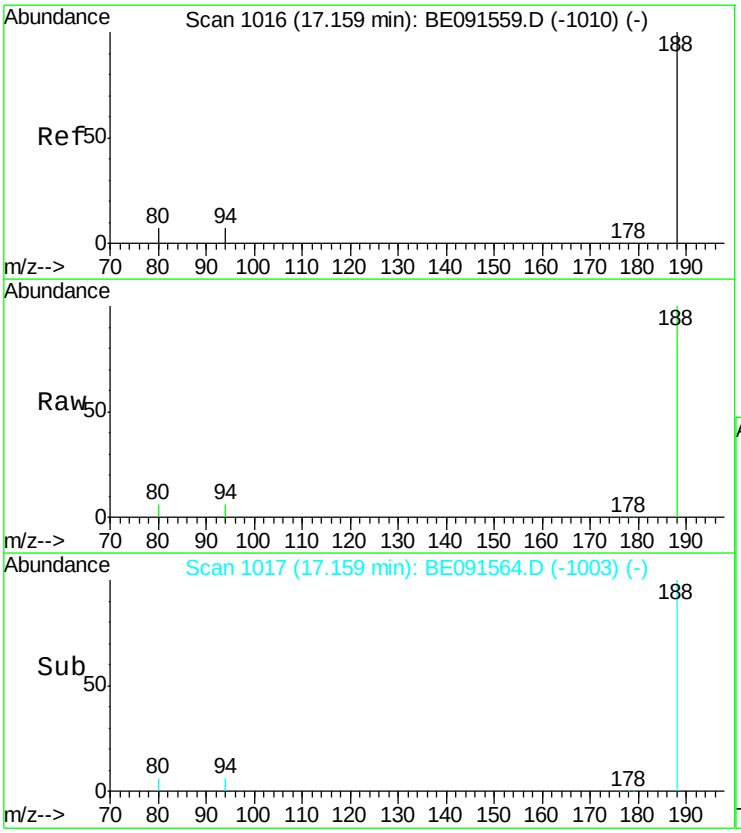
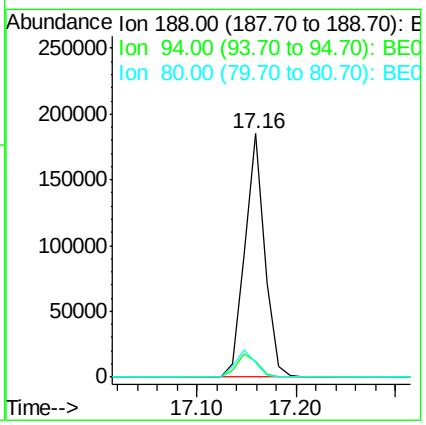
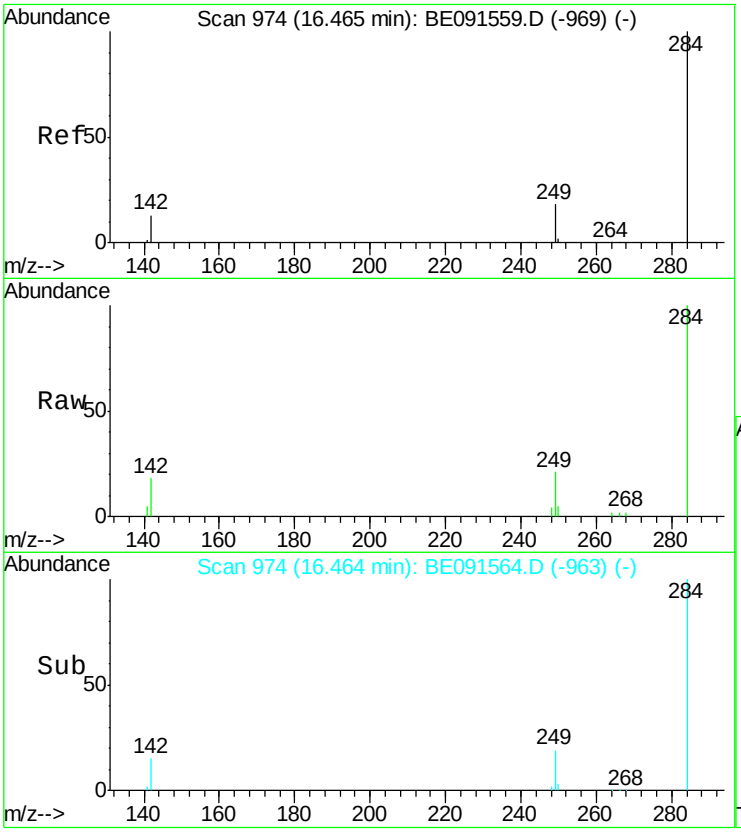


#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.16 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion:188 Resp: 256924

Ion	Ratio	Lower	Upper
188	100		
94	6.4	5.4	8.2
80	5.7	5.0	7.4

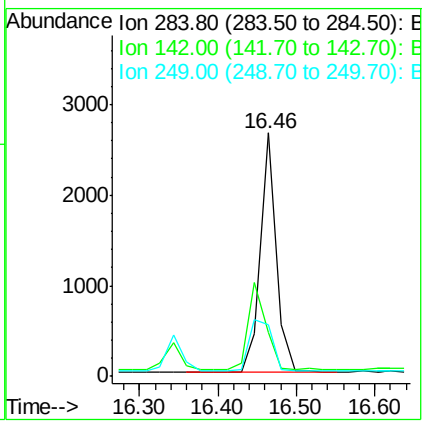




#17
Hexachlorobenzene
Concen: 0.39 ng
RT: 16.46 min Scan# 974
Delta R.T. -0.02 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion:284 Resp: 3730

Ion	Ratio	Lower	Upper
284	100		
142	40.9	31.0	46.4
249	30.8	25.8	38.8



Instrument :
BNA_E
ClientSampleId :
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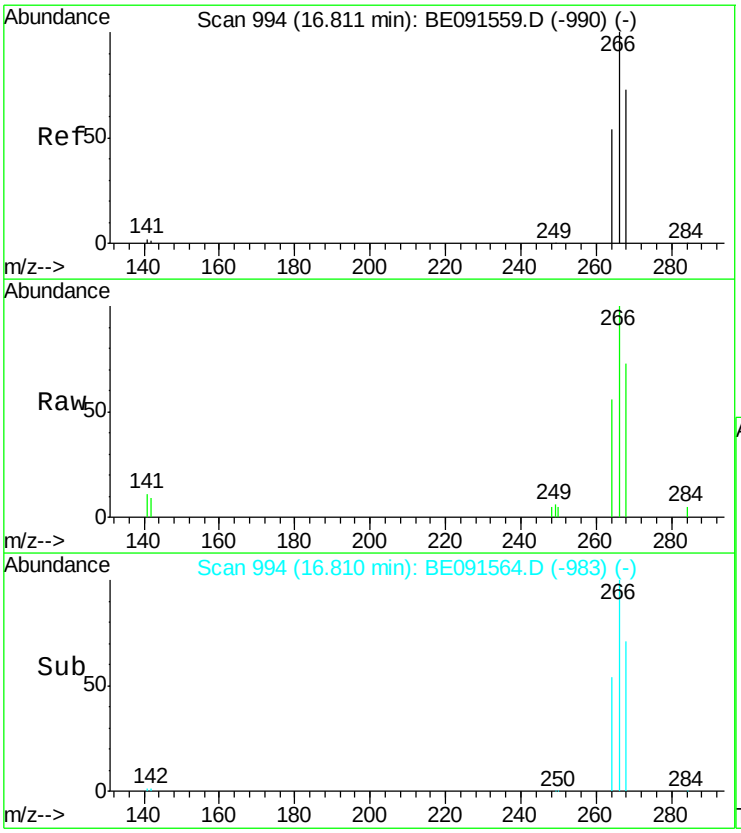
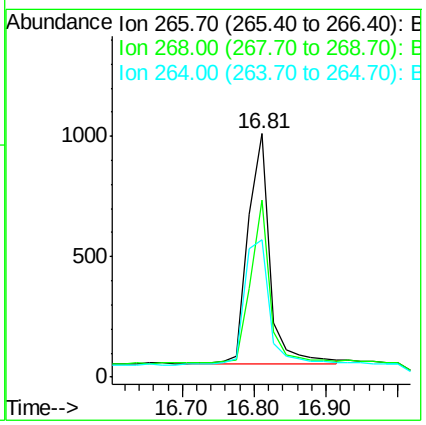
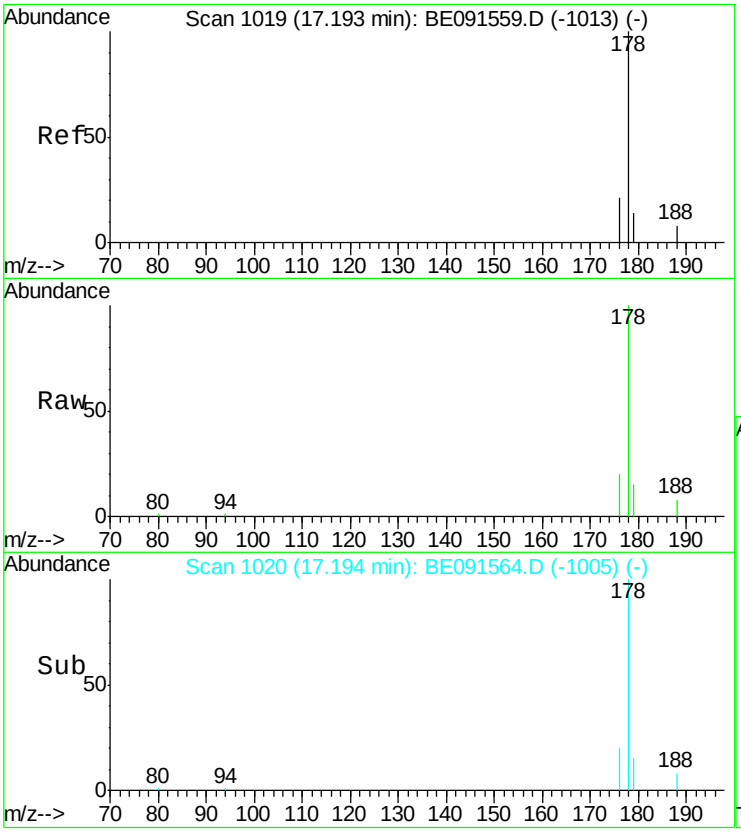


#18
Pentachlorophenol
Concen: 0.38 ng
RT: 16.81 min Scan# 994
Delta R.T. -0.02 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion:266 Resp: 2010

Ion	Ratio	Lower	Upper
266	100		
268	72.7	48.2	72.2#
264	56.4	52.1	78.1

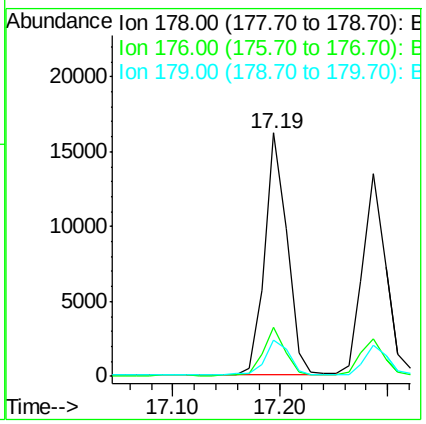




#19
Phenanthrene
Concen: 0.39 ng
RT: 17.19 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion:178 Resp: 23670

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	16.1	13.1	19.7



Instrument :
BNA_E
ClientSampleId :
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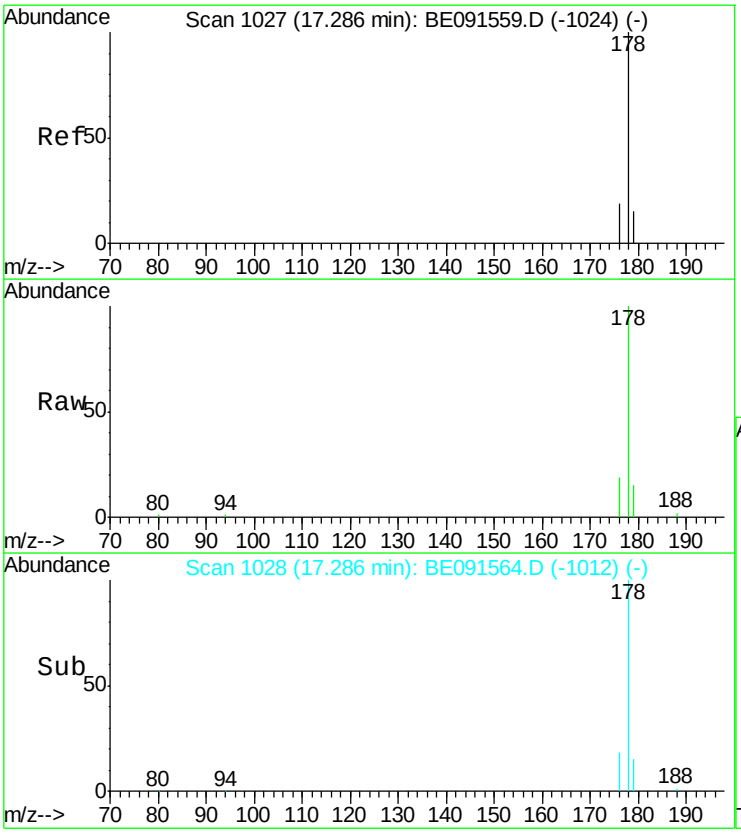
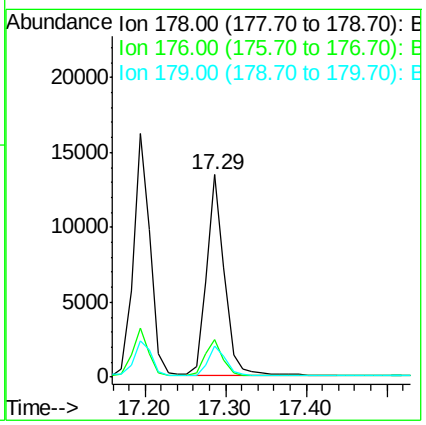
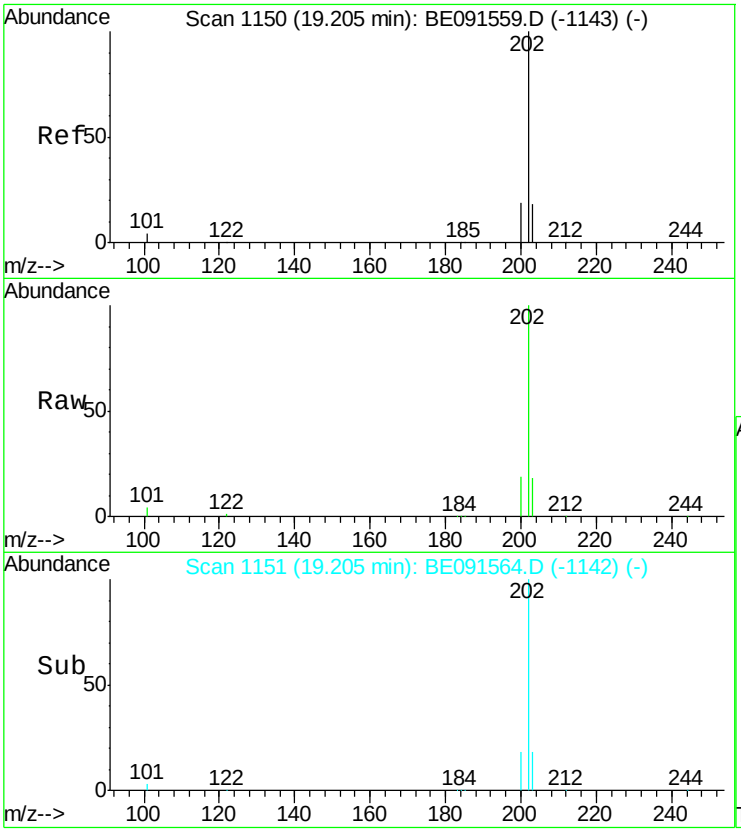


#20
Anthracene
Concen: 0.37 ng
RT: 17.29 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion:178 Resp: 20705

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.0	12.2	18.4

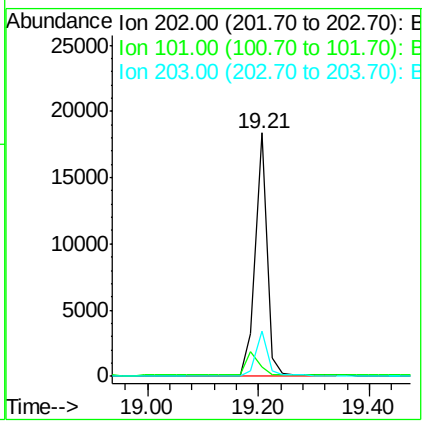




#21
Fluoranthene
Concen: 0.38 ng
RT: 19.21 min Scan# 1151
Delta R.T. -0.02 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion:202 Resp: 26750

Ion	Ratio	Lower	Upper
202	100		
101	11.1	8.3	12.5
203	17.7	13.9	20.9



Instrument :
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ClientSampleId :
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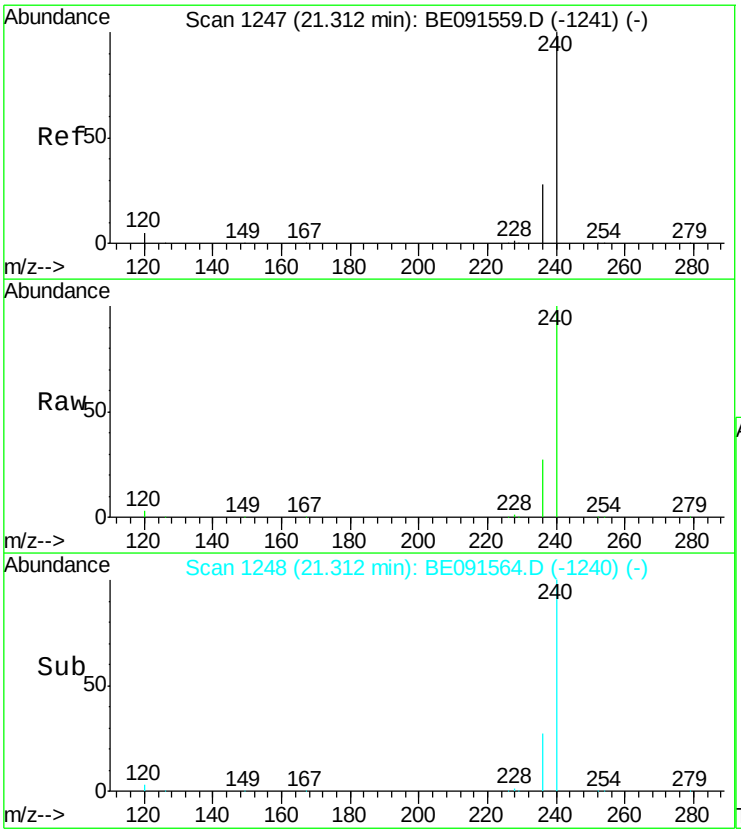
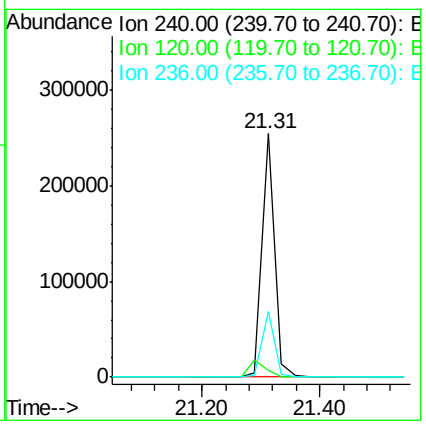
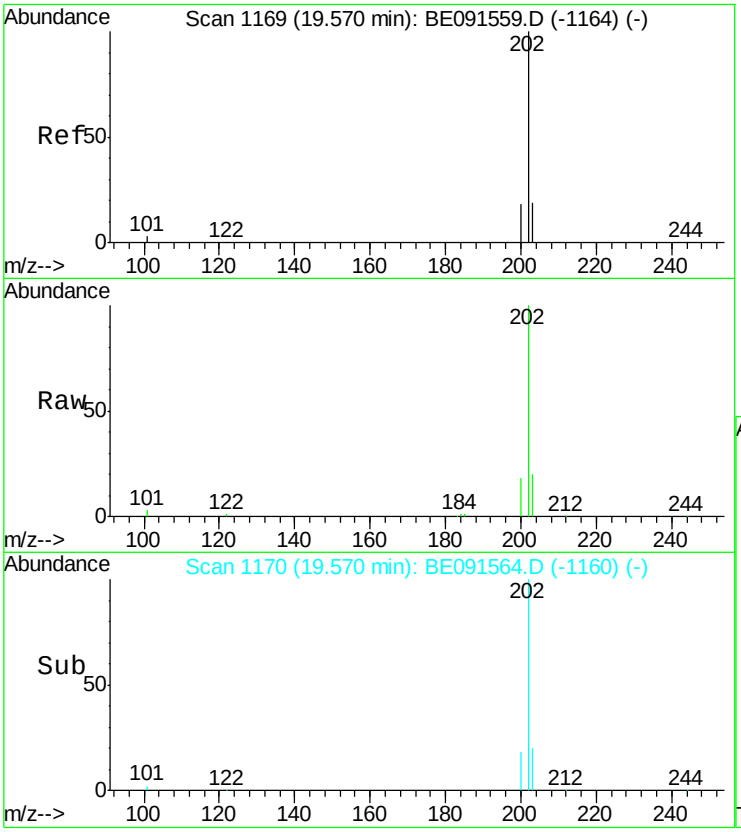


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion:240 Resp: 382394

Ion	Ratio	Lower	Upper
240	100		
120	3.0	4.0	6.0#
236	26.7	23.0	34.4





#23
Pyrene
Concen: 0.35 ng
RT: 19.57 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion:202 Resp: 27491

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.4	24.6
203	18.0	14.6	21.8

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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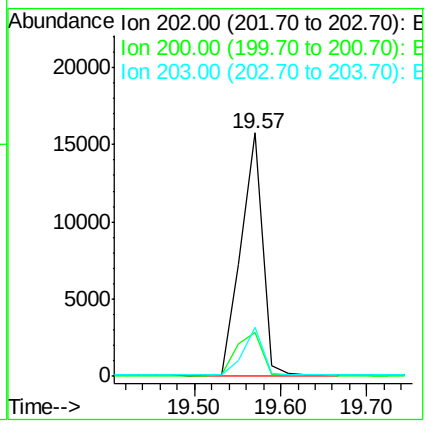
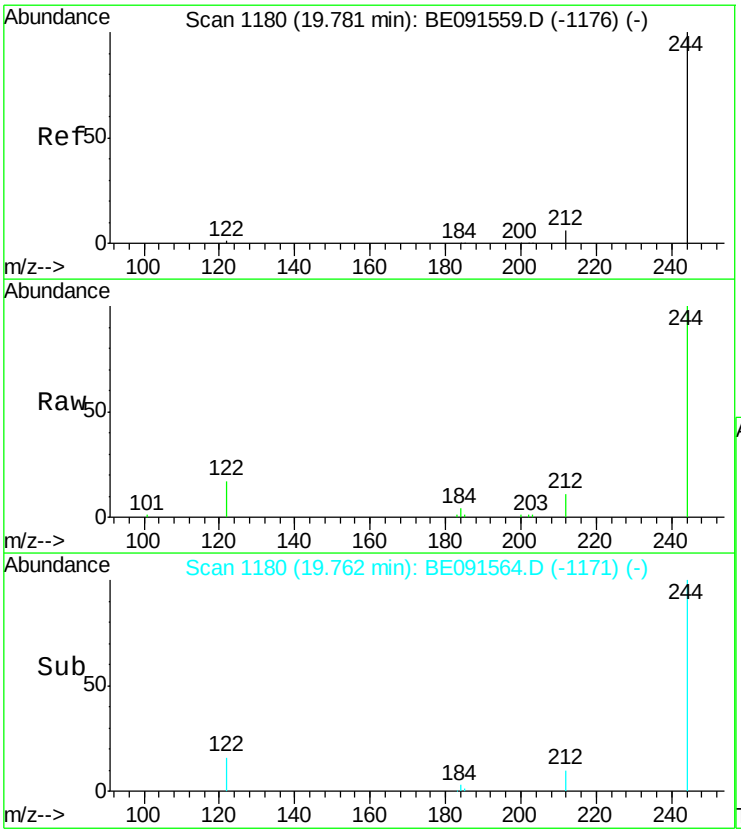
3/31/2016 7:42:36 PM

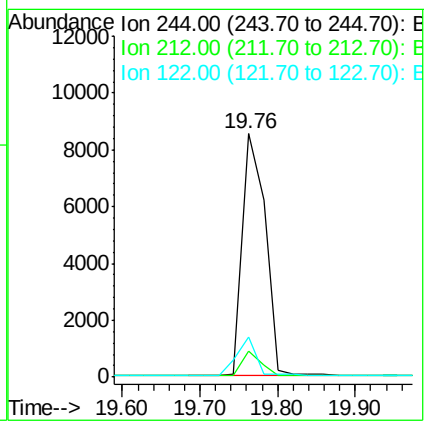


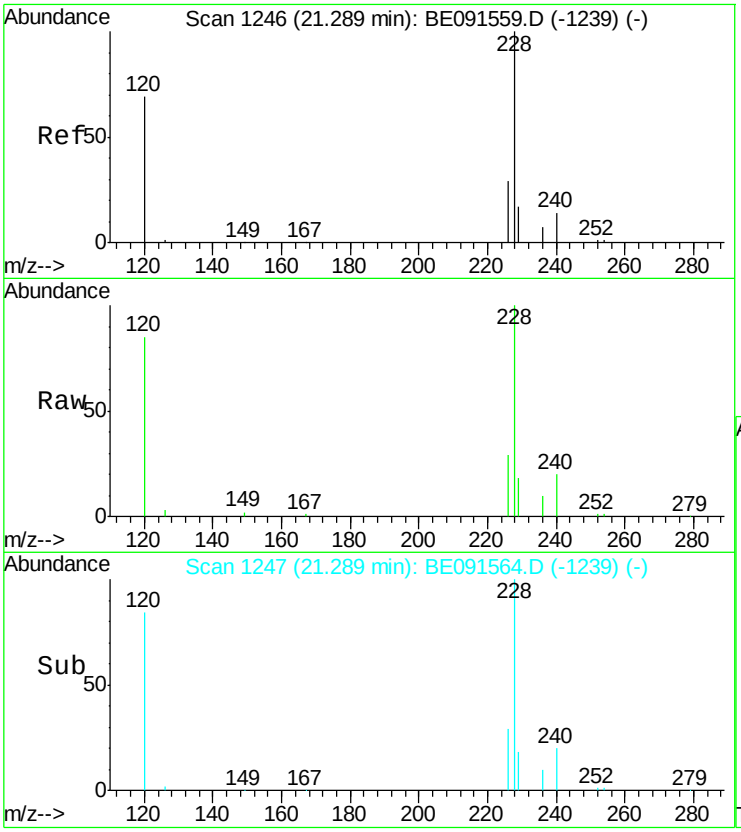


#24
Terphenyl-d14
Concen: 0.36 ng
RT: 19.76 min Scan# 1180
Delta R.T. -0.02 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion:244 Resp: 17343

Ion	Ratio	Lower	Upper
244	100		
212	10.5	5.8	8.8#
122	16.7	1.8	2.8#

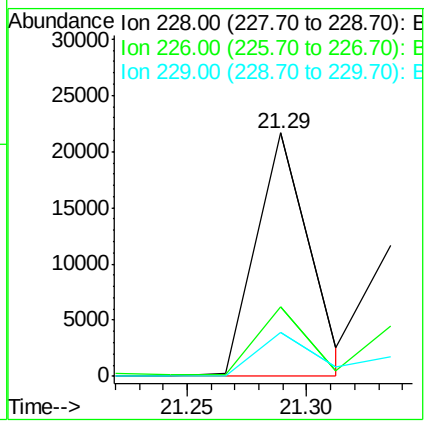




#25
Benzo(a)anthracene
Concen: 0.38 ng m
RT: 21.29 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion:228 Resp: 33748

Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.0	36.0
229	18.1	13.8	20.6



Instrument :
BNA_E
ClientSampleId :
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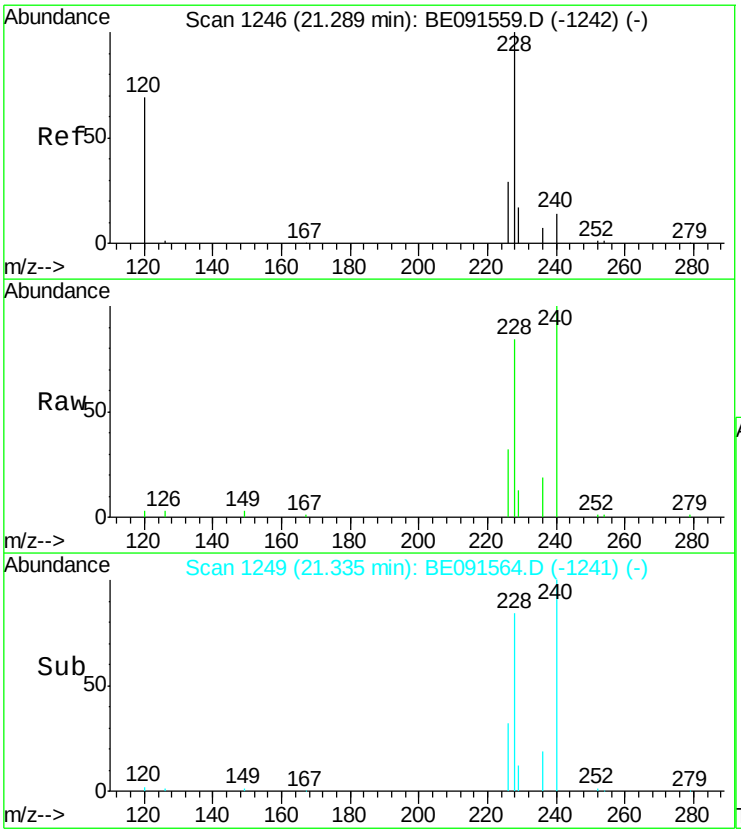
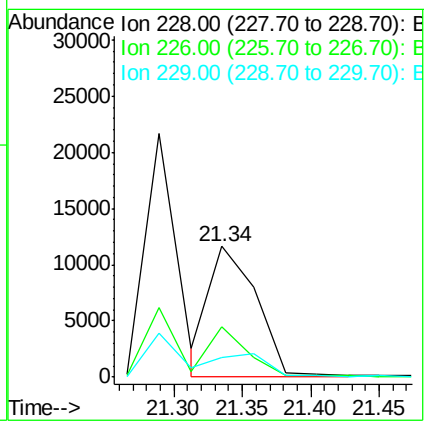
3/31/2016 7:42:36 PM

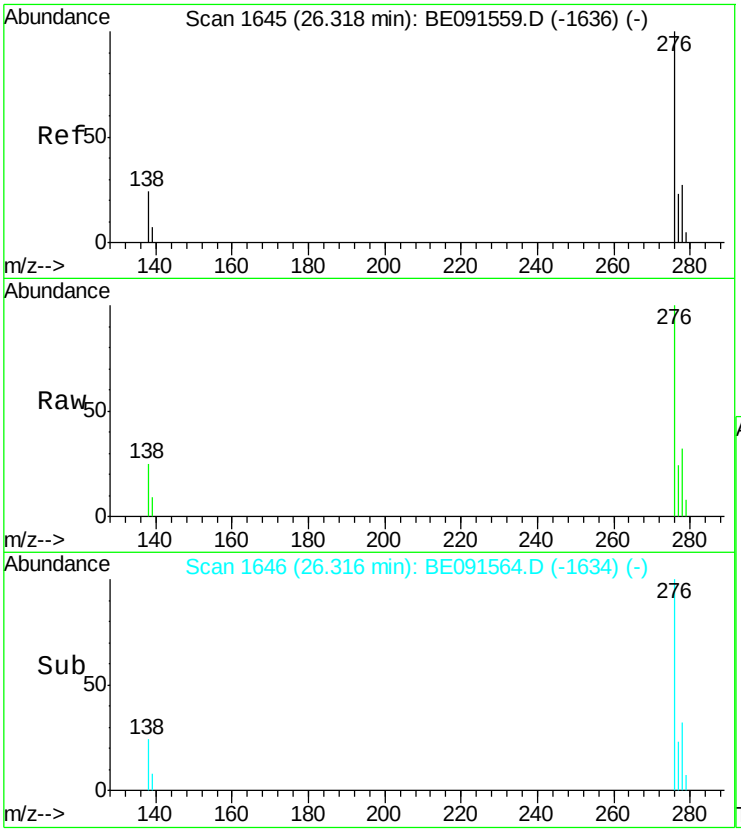


#26
Chrysene
Concen: 0.37 ng m
RT: 21.34 min Scan# 1249
Delta R.T. -0.02 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion:228 Resp: 28110

Ion	Ratio	Lower	Upper
228	100		
226	38.8	18.9	28.3#
229	15.5	19.1	28.7#

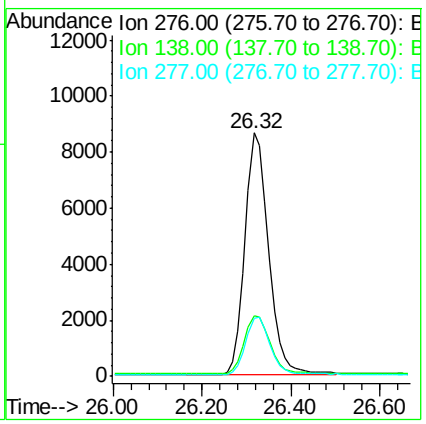




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.35 ng
RT: 26.32 min Scan# 1646
Delta R.T. -0.06 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion:276 Resp: 31218

Ion	Ratio	Lower	Upper
276	100		
138	26.0	20.2	30.4
277	24.6	19.8	29.8



Instrument :
BNA_E
ClientSampleId :
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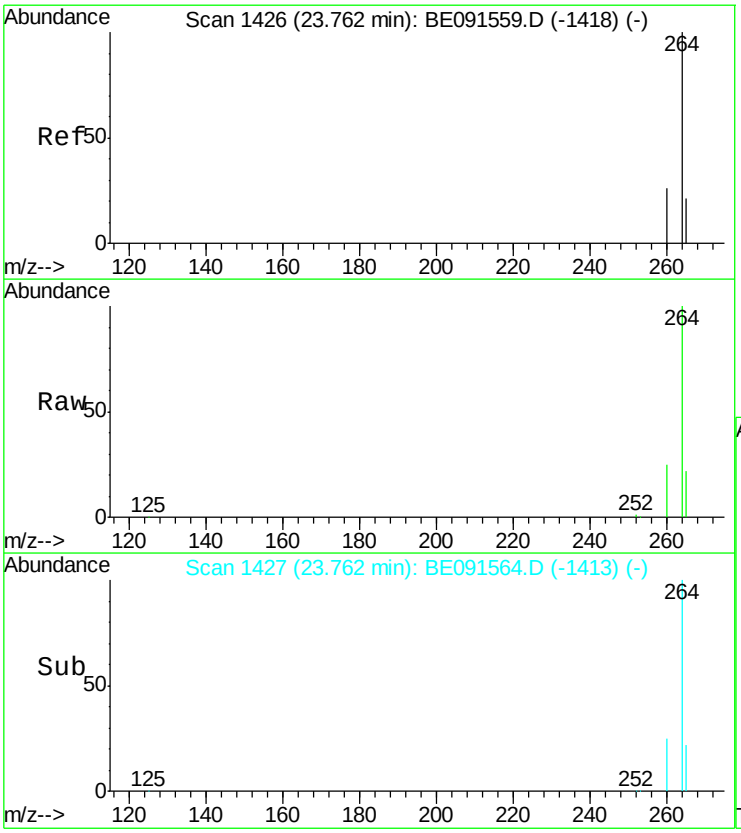
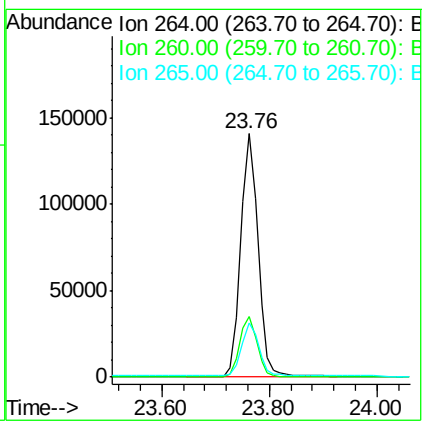
3/31/2016 7:42:36 PM

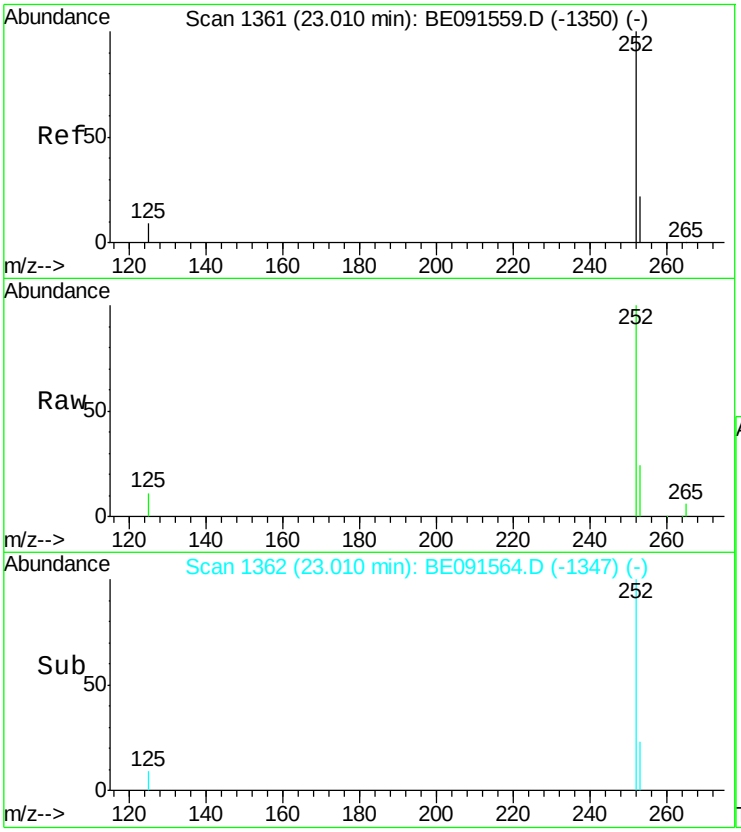


#28
Perylene-d12
Concen: 5.00 ng
RT: 23.76 min Scan# 1427
Delta R.T. -0.03 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion:264 Resp: 314184

Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.1	30.1
265	22.2	18.3	27.5





#29
Benzo(b)fluoranthene
Concen: 0.40 ng
RT: 23.01 min Scan# 1362
Delta R.T. -0.02 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion:252 Resp: 30372

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.7	28.1
125	11.0	9.8	14.6

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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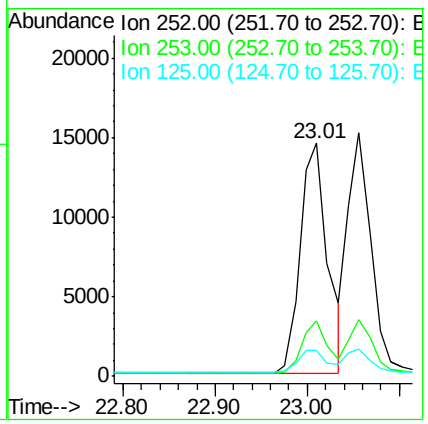
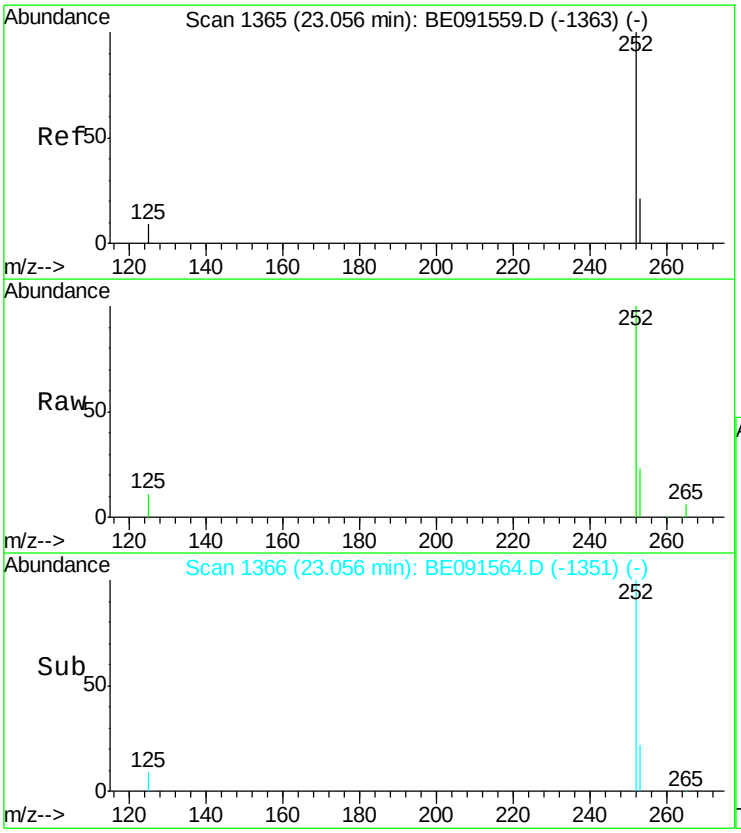
3/31/2016 7:42:36 PM

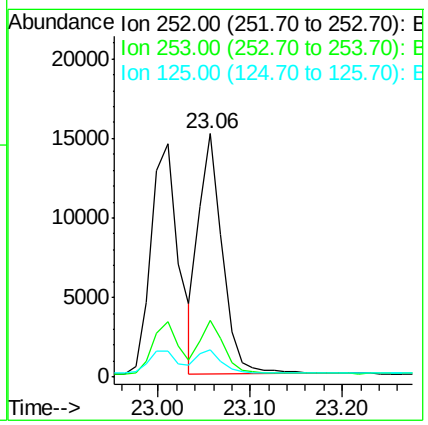


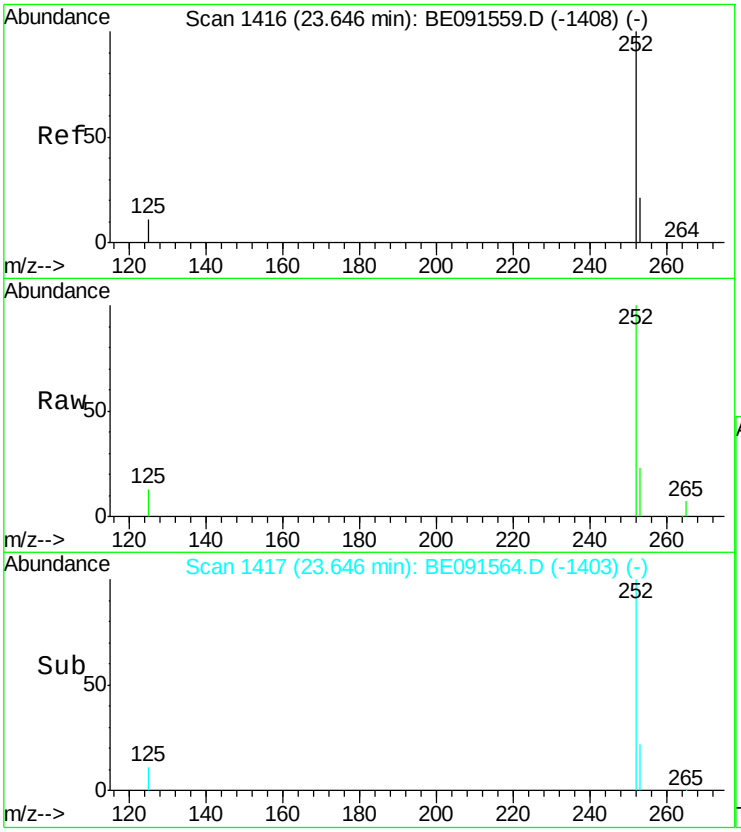


#30
Benzo(k)fluoranthene
Concen: 0.36 ng
RT: 23.06 min Scan# 1366
Delta R.T. -0.02 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion:252 Resp: 26821

Ion	Ratio	Lower	Upper
252	100		
253	23.2	20.2	30.4
125	11.1	9.4	14.2

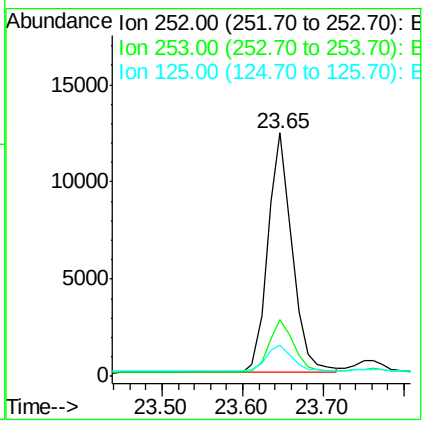




#31
Benzo(a)pyrene
Concen: 0.37 ng
RT: 23.65 min Scan# 1417
Delta R.T. -0.03 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion:252 Resp: 26034

Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.4	29.0
125	13.0	11.4	17.2



Instrument :
BNA_E
ClientSampleId :
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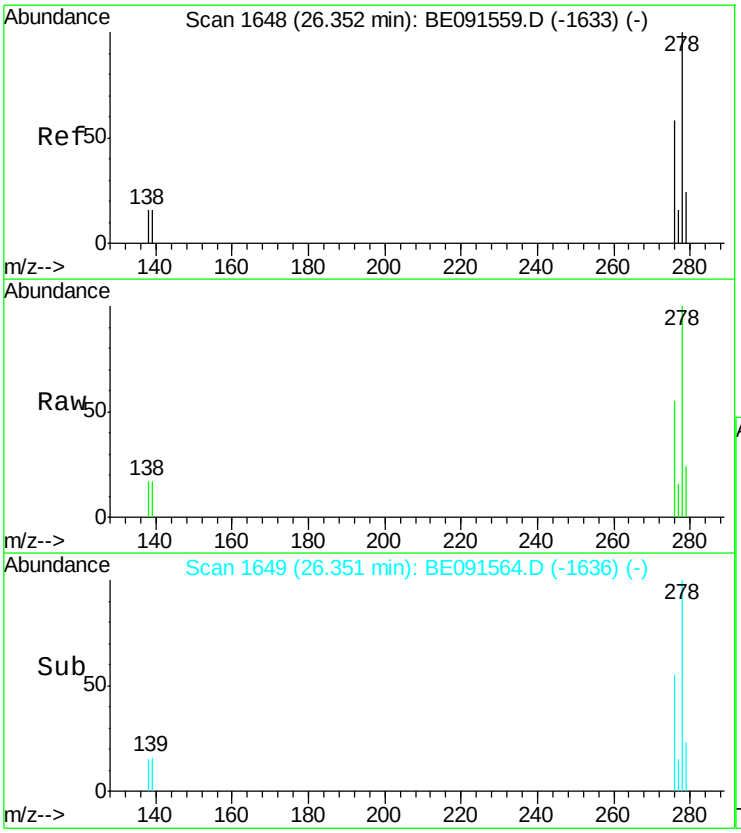
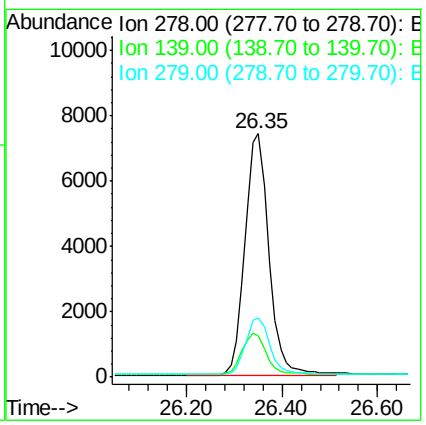
3/31/2016 7:42:36 PM

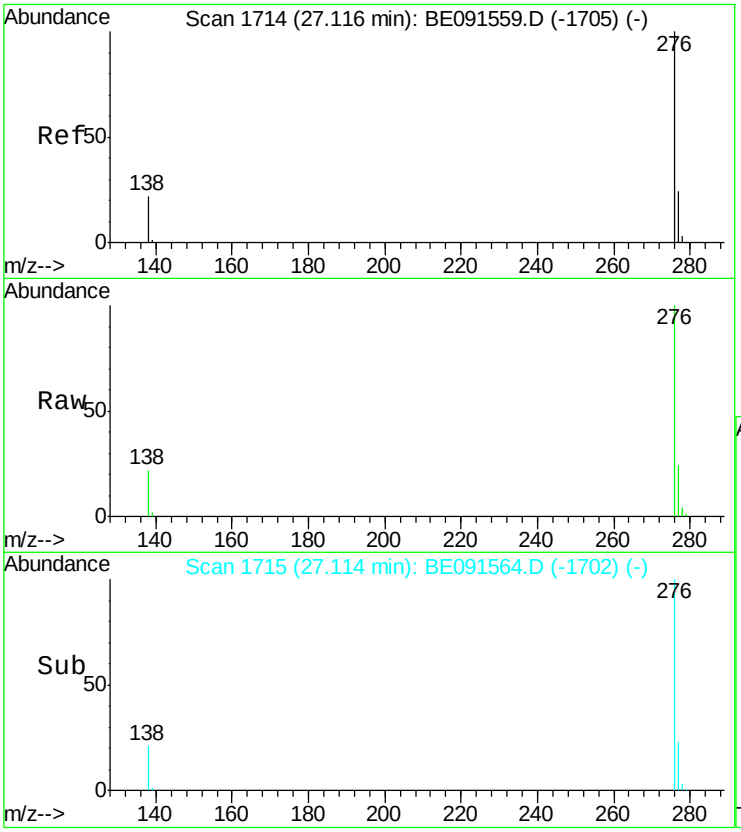


#32
Dibenzo(a,h)anthracene
Concen: 0.38 ng
RT: 26.35 min Scan# 1649
Delta R.T. -0.05 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion:278 Resp: 25823

Ion	Ratio	Lower	Upper
278	100		
139	16.7	14.2	21.4
279	24.5	19.6	29.4

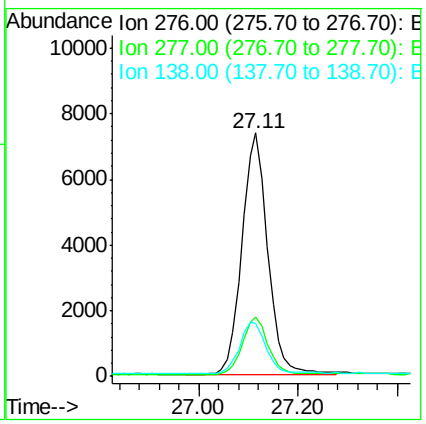




#33
Benzo(g,h,i)perylene
Concen: 0.38 ng
RT: 27.11 min Scan# 1715
Delta R.T. -0.05 min
Lab File: BE091564.D
Acq: 30 Mar 2016 21:22

Tgt Ion:276 Resp: 26411

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.4	29.2
138	21.9	18.2	27.4



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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