Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032116\
Data File : BE091496.D
Acq On : 21 Mar 2016 10:45
Operator : UM/SJ
Sample : MDL-01-W
Misc : 0.08PPM
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : MDL-01-W

Manual Integrations APPROVED
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Quant Time: Mar 21 17:53:15 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	7.82	152	64384	5.00	ng		-0.02
6) Naphthalene-d8	10.61	136	285350	5.00	ng		0.00
10) Acenaphthene-d10	14.45	164	161050	5.00	ng		0.00
16) Phenanthrene-d10	17.17	188	416913	5.00	ng		-0.01
22) Chrysene-d12	21.33	240	563706	5.00	ng		0.00
28) Perylene-d12	23.80	264	487901	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.41	112	113863	7.70	ng		-0.02
5) Phenol-d6	6.97	99	152040	7.87	ng		-0.02
7) Nitrobenzene-d5	8.97	82	52759	3.45	ng		-0.01
11) 2,4,6-Tribromophenol	15.92	330	38826	6.58	ng		-0.01
12) 2-Fluorobiphenyl	13.07	172	185033	4.56	ng		0.00
24) Terphenyl-d14	19.78	244	295298	4.36	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.37	88	797	0.10	ng	#	76
3) n-Nitrosodimethylamine	3.68	42	413	0.04	ng	#	90
8) Naphthalene	10.65	128	3860	0.06	ng	#	95
9) 2-Methylnaphthalene	12.26	142	2265	0.05	ng	#	81
13) Acenaphthylene	14.16	152	2743m	0.17	ng		
14) Acenaphthene	14.50	154	2604	0.05	ng		91
15) Fluorene	15.48	166	3284	0.05	ng		99
17) Hexachlorobenzene	16.48	284	1031	0.06	ng		97
18) Pentachlorophenol	16.83	266	751	0.28	ng		96
19) Phenanthrene	17.22	178	7278m	0.06	ng		
20) Anthracene	17.31	178	5176	0.05	ng		98
21) Fluoranthene	19.23	202	7046	0.05	ng		97
23) Pyrene	19.59	202	7510	0.05	ng		98
25) Benzo(a)anthracene	21.31	228	10395m	0.07	ng		
26) Chrysene	21.36	228	11395m	0.07	ng		
27) Indeno(1,2,3-cd)pyrene	26.40	276	8293	0.05	ng		99
29) Benzo(b)fluoranthene	23.04	252	11237	0.07	ng	#	88
30) Benzo(k)fluoranthene	23.09	252	10372	0.07	ng	#	93
31) Benzo(a)pyrene	23.68	252	7377	0.05	ng	#	82
32) Dibenzo(a,h)anthracene	26.42	278	6706	0.05	ng	#	89
33) Benzo(g,h,i)perylene	27.18	276	7258	0.05	ng		94

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

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Instrument :
BNA_E
ClientSampleId :
MDL-01-W

Manual Integrations APPROVED
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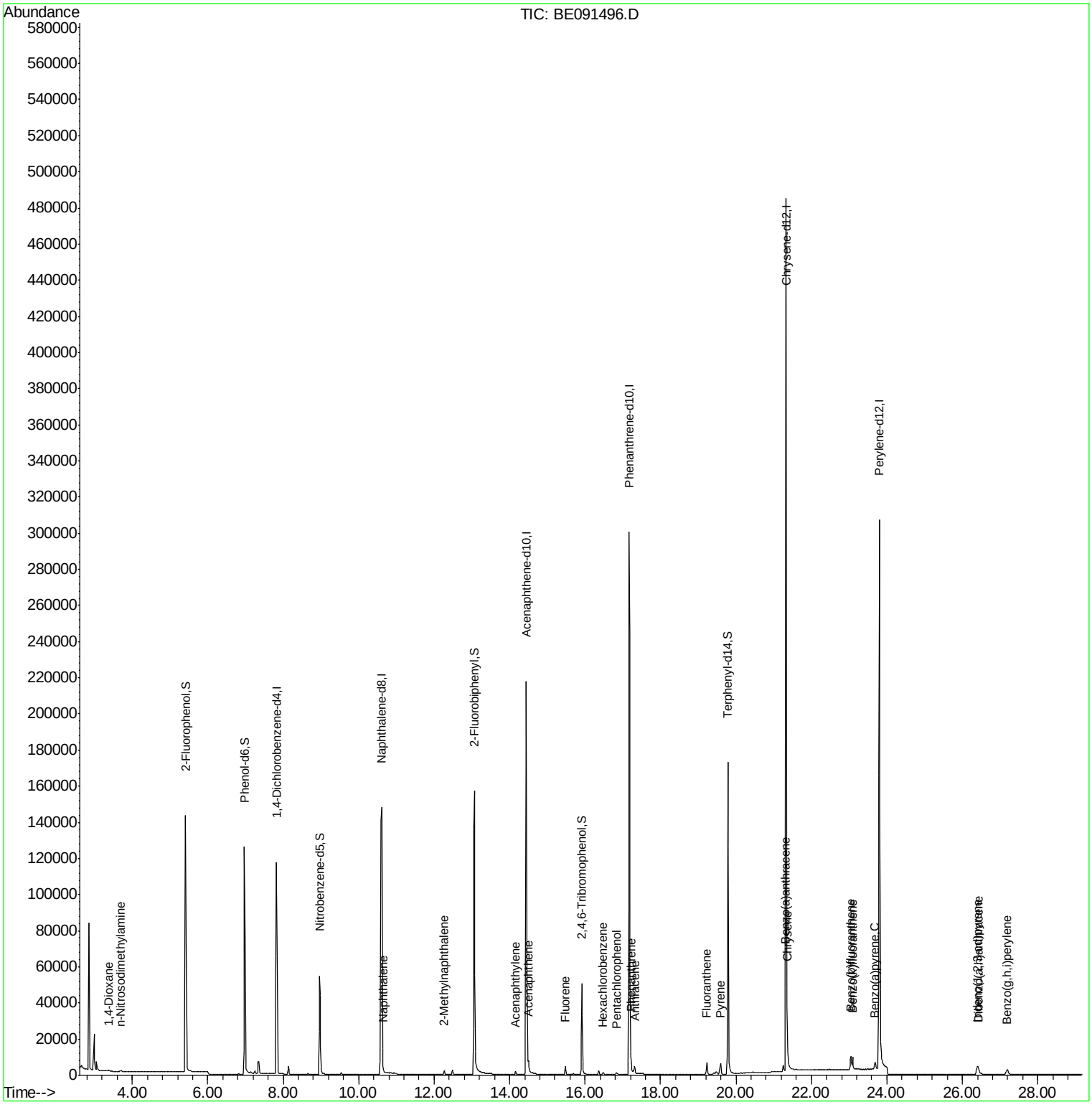
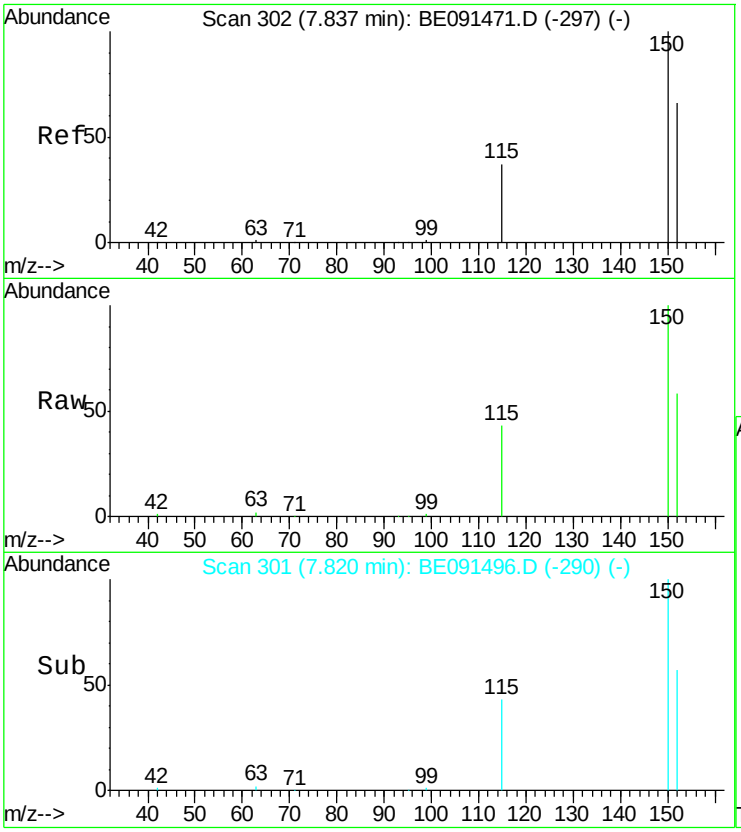
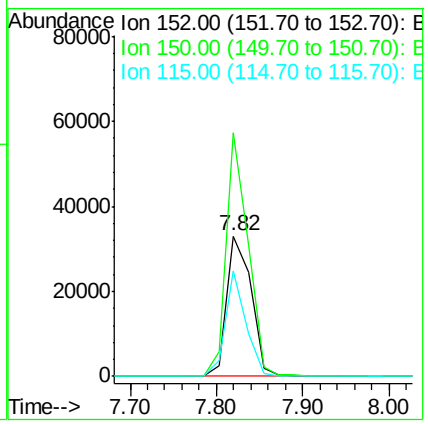




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.82 min Scan# 301
Delta R.T. -0.02 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion:152 Resp: 64384

Ion	Ratio	Lower	Upper
152	100		
150	173.8	122.2	183.2
115	74.8	45.9	68.9#



Instrument :
BNA_E
ClientSampleId :
MDL-01-W

Manual Integrations APPROVED
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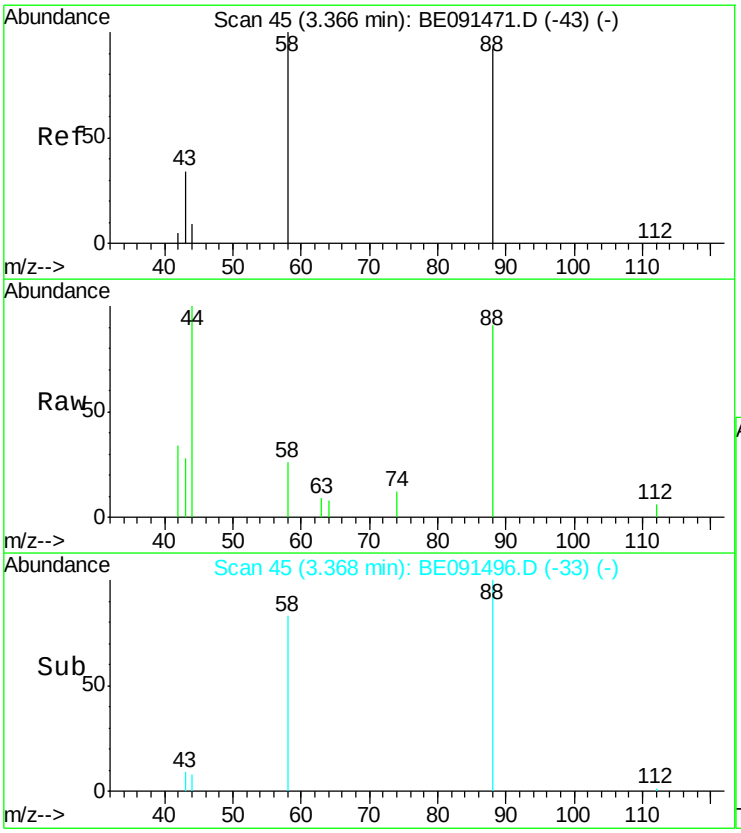
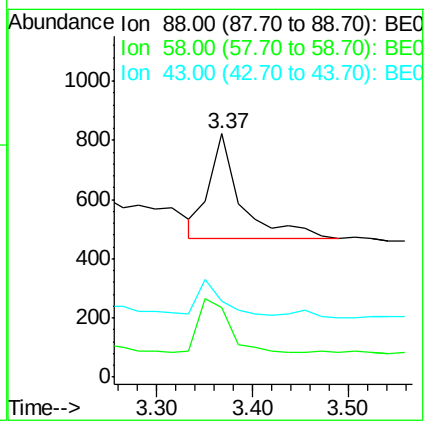
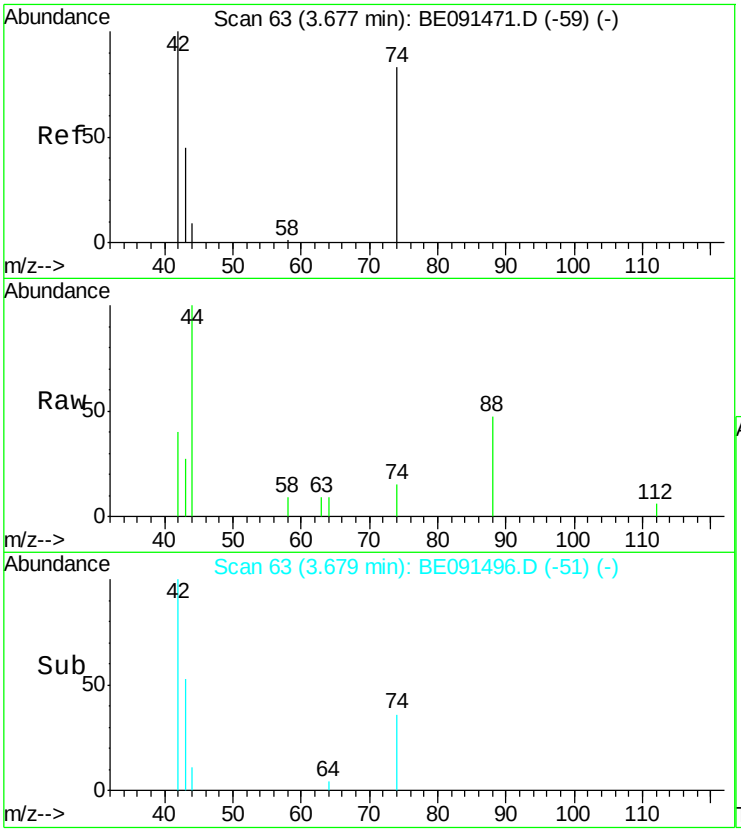


#2
1,4-Dioxane
Concen: 0.10 ng
RT: 3.37 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion: 88 Resp: 797

Ion	Ratio	Lower	Upper
88	100		
58	49.2	61.0	91.6#
43	28.0	25.4	38.2

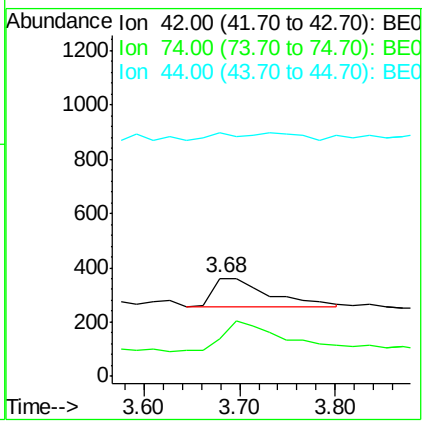




#3
n-Nitrosodimethylamine
Concen: 0.04 ng
RT: 3.68 min Scan# 63
Delta R.T. 0.00 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion: 42 Resp: 413

Ion	Ratio	Lower	Upper
42	100		
74	116.0	84.3	126.5
44	13.1	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
MDL-01-W

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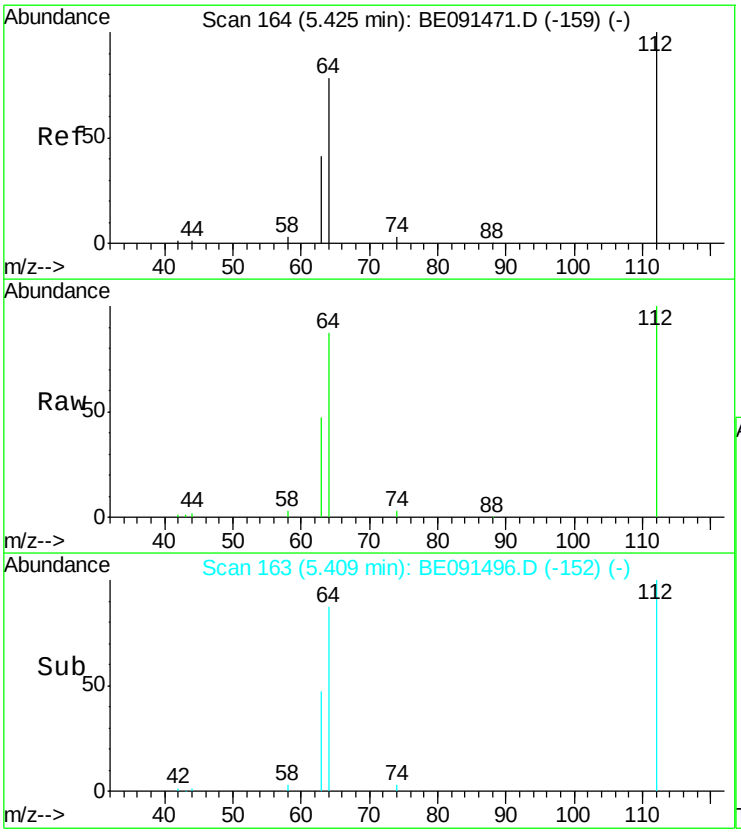
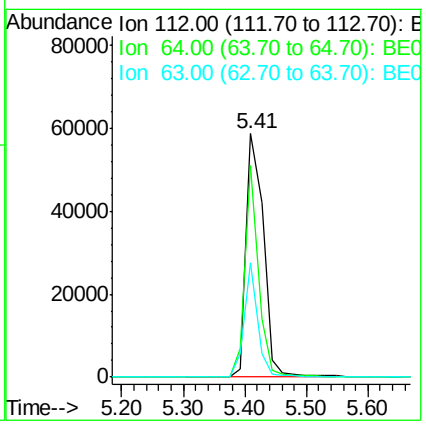
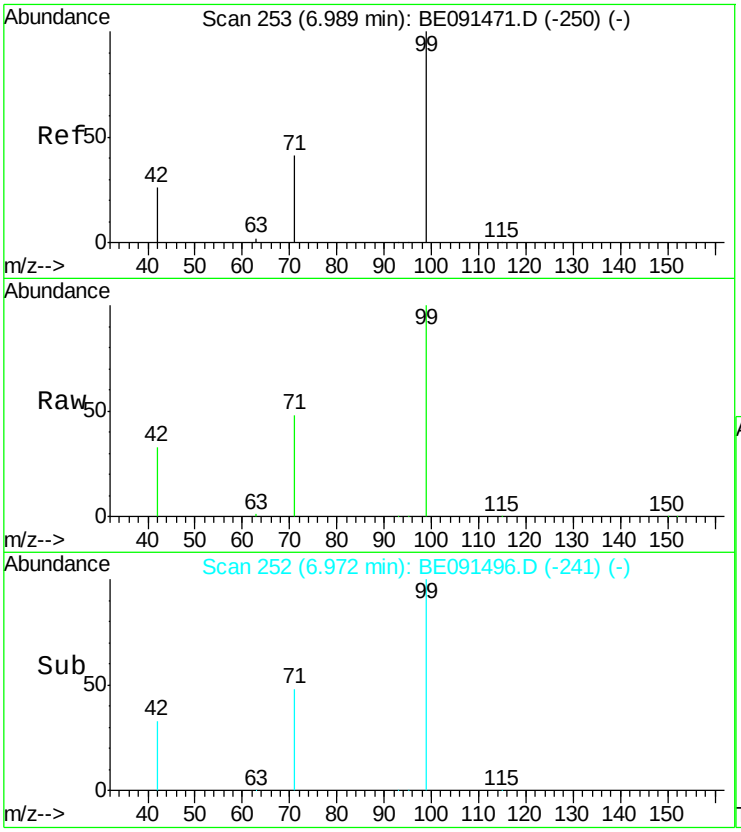


#4
2-Fluorophenol
Concen: 7.70 ng
RT: 5.41 min Scan# 163
Delta R.T. -0.02 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion:112 Resp: 113863

Ion	Ratio	Lower	Upper
112	100		
64	68.2	53.3	79.9
63	37.0	29.8	44.8

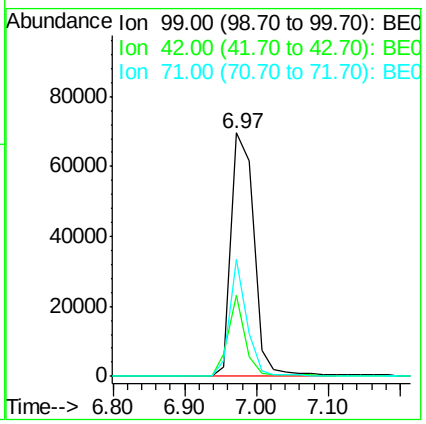




#5
Phenol-d6
Concen: 7.87 ng
RT: 6.97 min Scan# 252
Delta R.T. -0.02 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion: 99 Resp: 152040

Ion	Ratio	Lower	Upper
99	100		
42	24.9	20.6	30.8
71	36.1	29.0	43.4



Instrument :
BNA_E
ClientSampleId :
MDL-01-W

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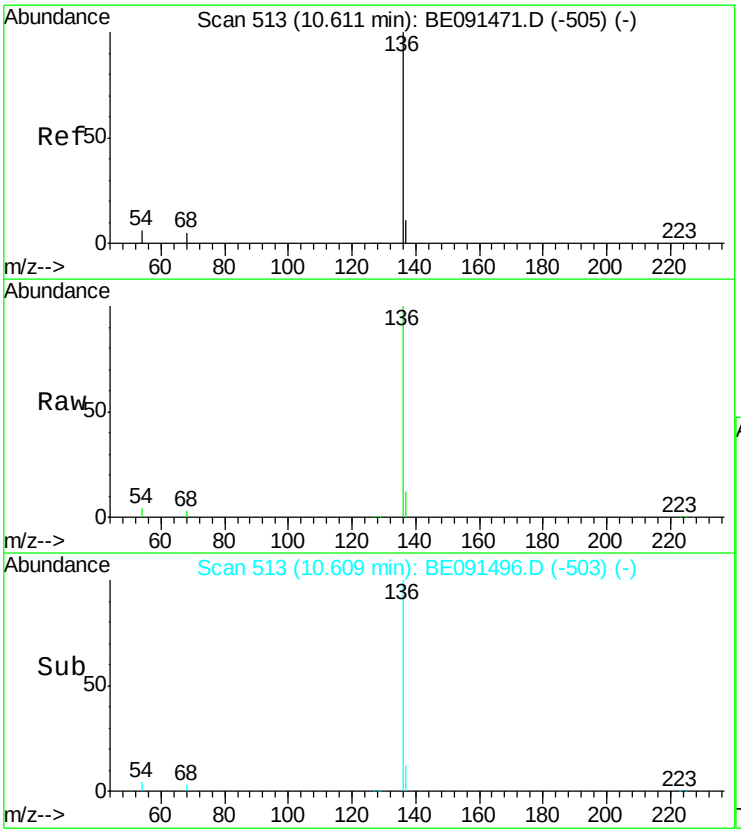
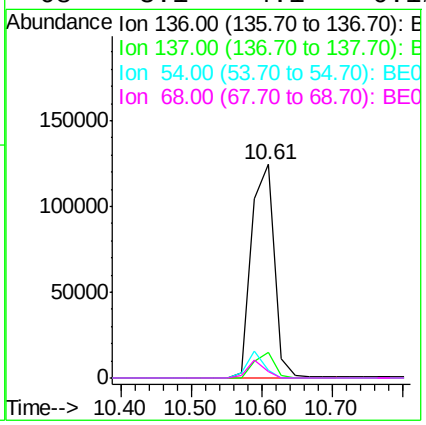
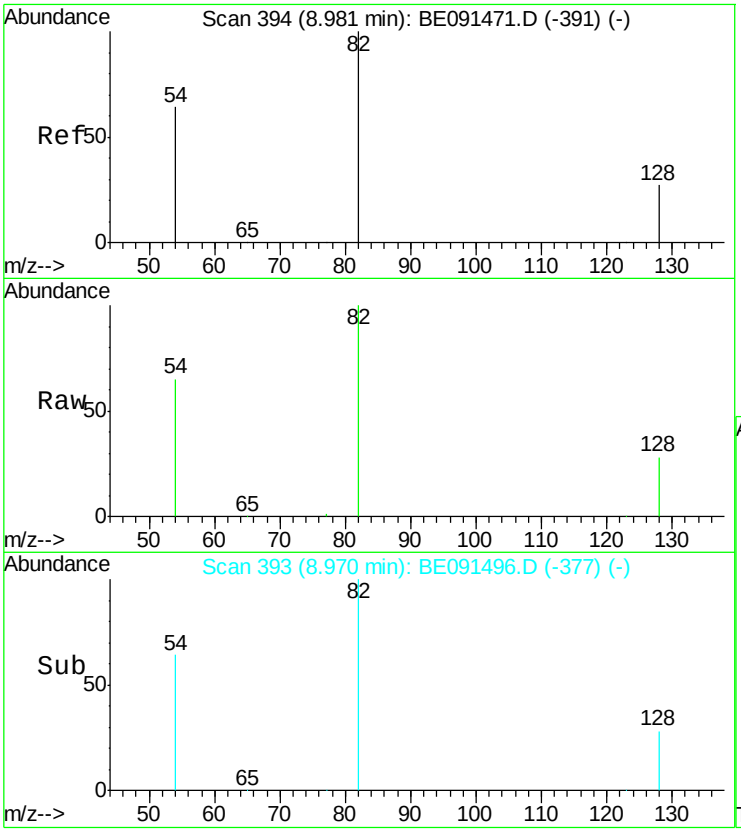


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.61 min Scan# 513
Delta R.T. -0.00 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion:136 Resp: 285350

Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.8	13.2
54	3.8	5.2	7.8#
68	3.1	4.1	6.1#

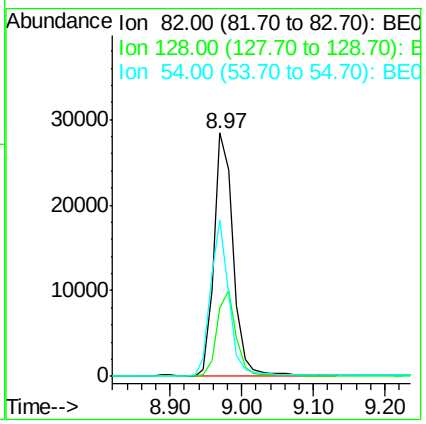




#7
Nitrobenzene-d5
Concen: 3.45 ng
RT: 8.97 min Scan# 393
Delta R.T. -0.01 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion: 82 Resp: 52759

Ion	Ratio	Lower	Upper
82	100		
128	27.8	23.5	35.3
54	64.5	52.4	78.6



Instrument :
BNA_E
ClientSampleId :
MDL-01-W

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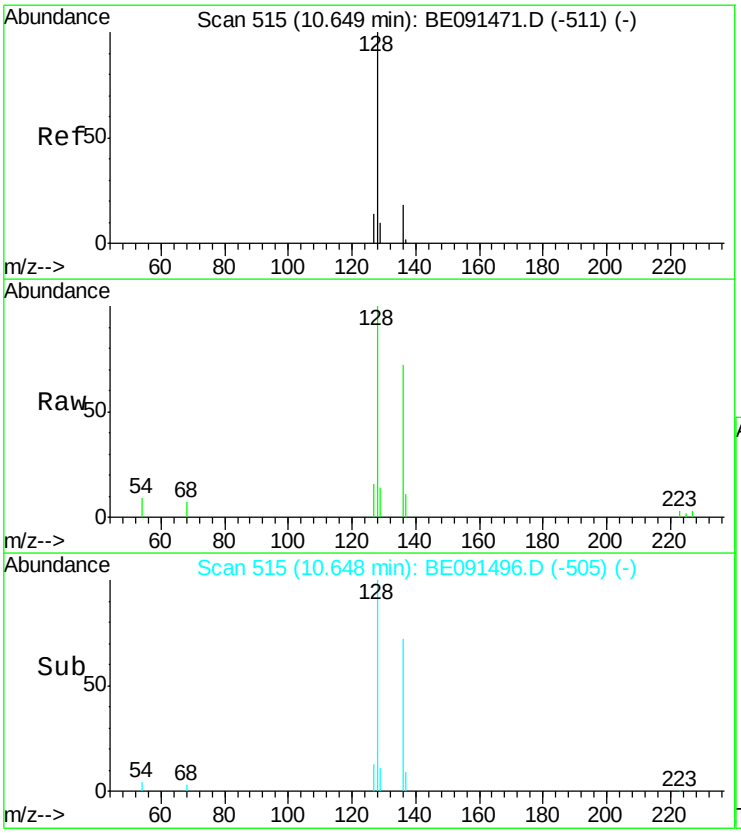
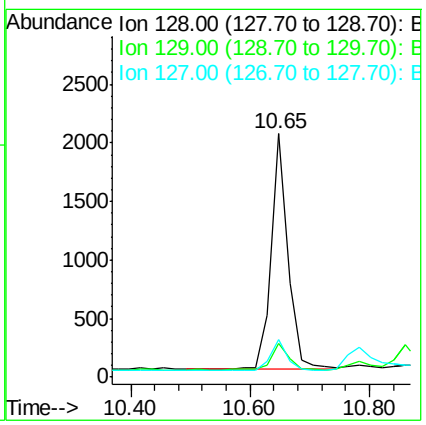
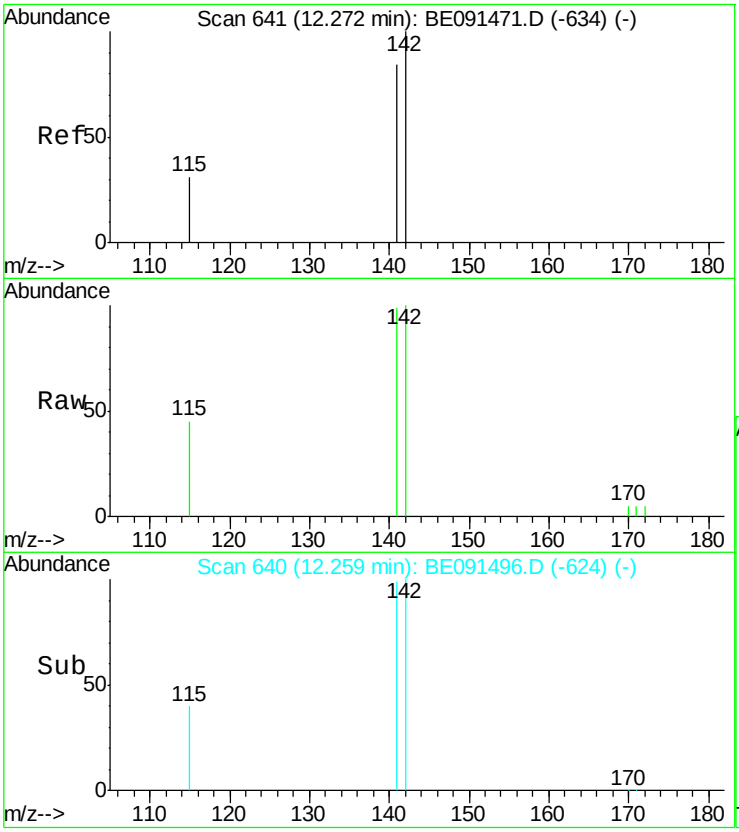


#8
Naphthalene
Concen: 0.06 ng
RT: 10.65 min Scan# 515
Delta R.T. -0.00 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion:128 Resp: 3860

Ion	Ratio	Lower	Upper
128	100		
129	13.7	8.2	12.2#
127	15.6	11.8	17.8

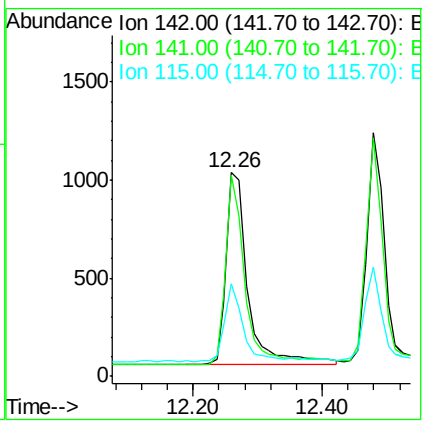




#9
2-Methylnaphthalene
Concen: 0.05 ng
RT: 12.26 min Scan# 640
Delta R.T. -0.01 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion:142 Resp: 2265

Ion	Ratio	Lower	Upper
142	100		
141	99.0	66.9	100.3
115	45.4	25.1	37.7#



Instrument :
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ClientSampleId :
MDL-01-W

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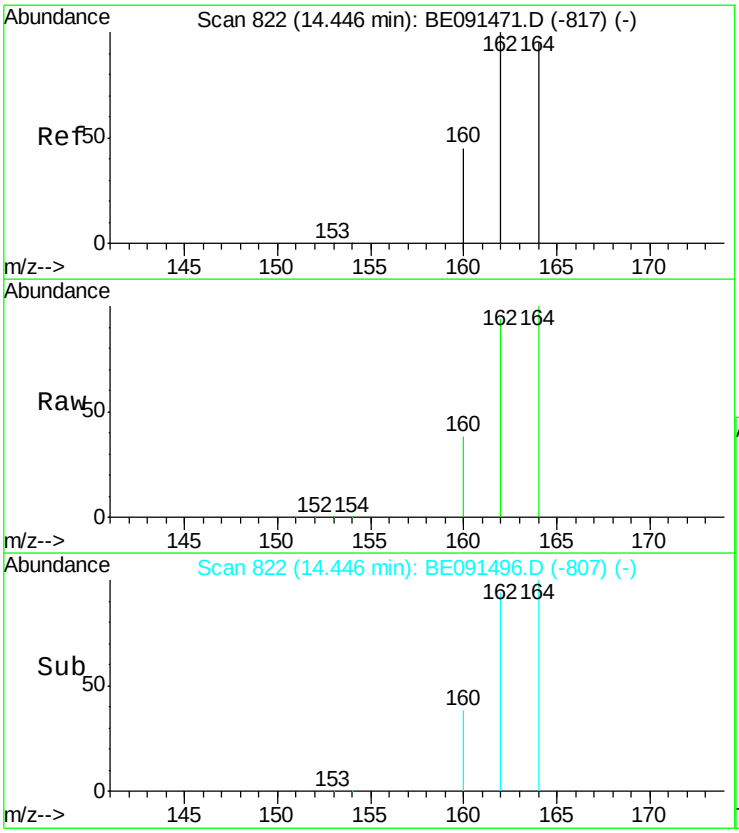
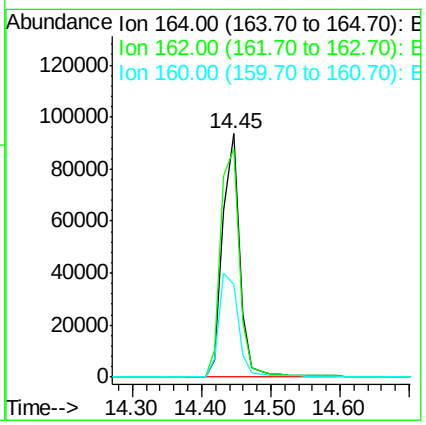
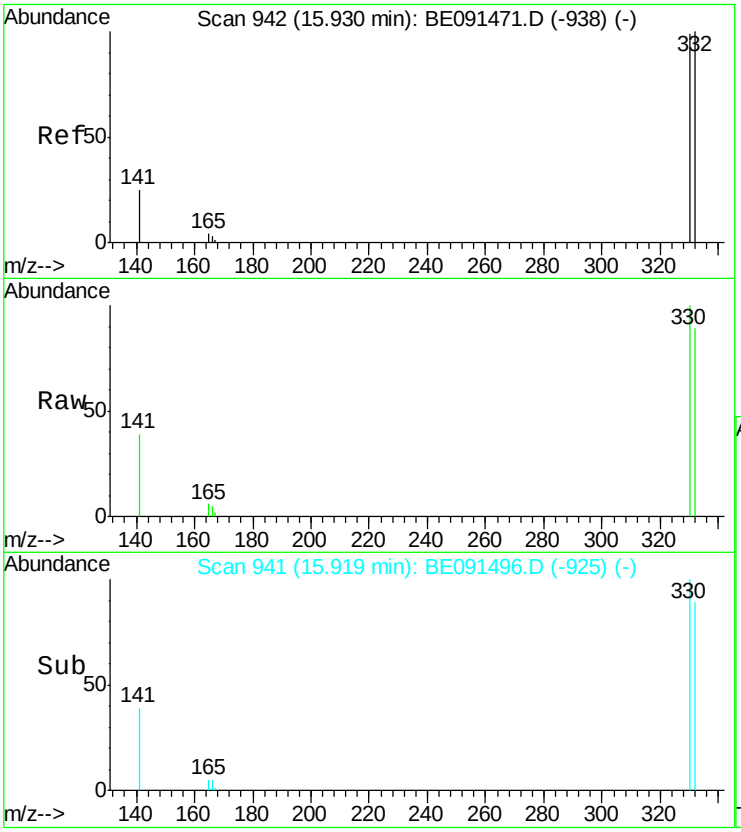


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.45 min Scan# 822
Delta R.T. 0.00 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion:164 Resp: 161050

Ion	Ratio	Lower	Upper
164	100		
162	94.0	84.4	126.6
160	38.2	37.7	56.5





#11
2,4,6-Tribromophenol
Concen: 6.58 ng
RT: 15.92 min Scan# 941
Delta R.T. -0.01 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion:330 Resp: 38826

Ion	Ratio	Lower	Upper
330	100		
332	95.9	79.2	118.8
141	43.4	28.1	42.1#

Instrument :
BNA_E
ClientSampleId :
MDL-01-W

Manual Integrations APPROVED
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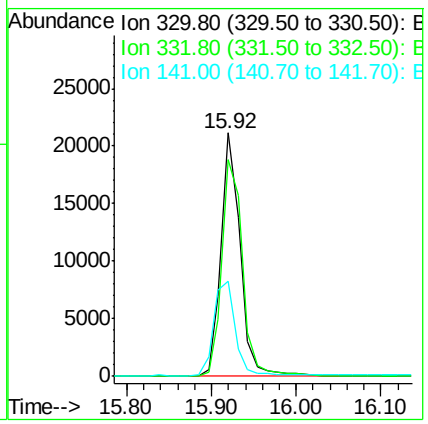
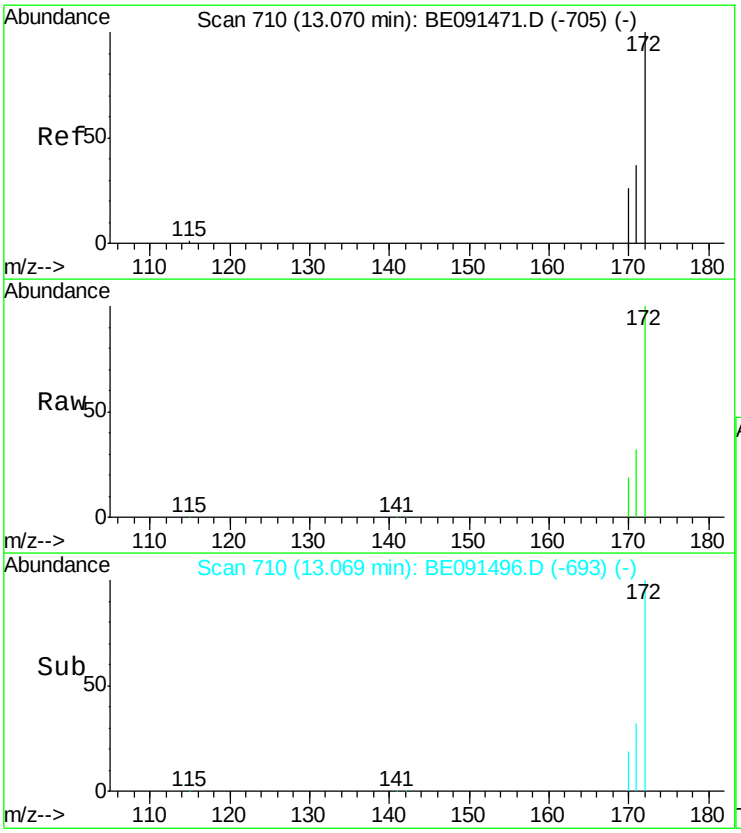
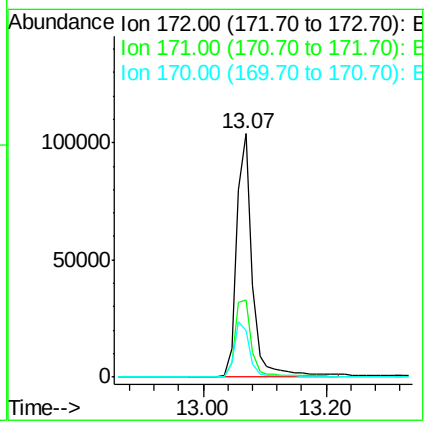


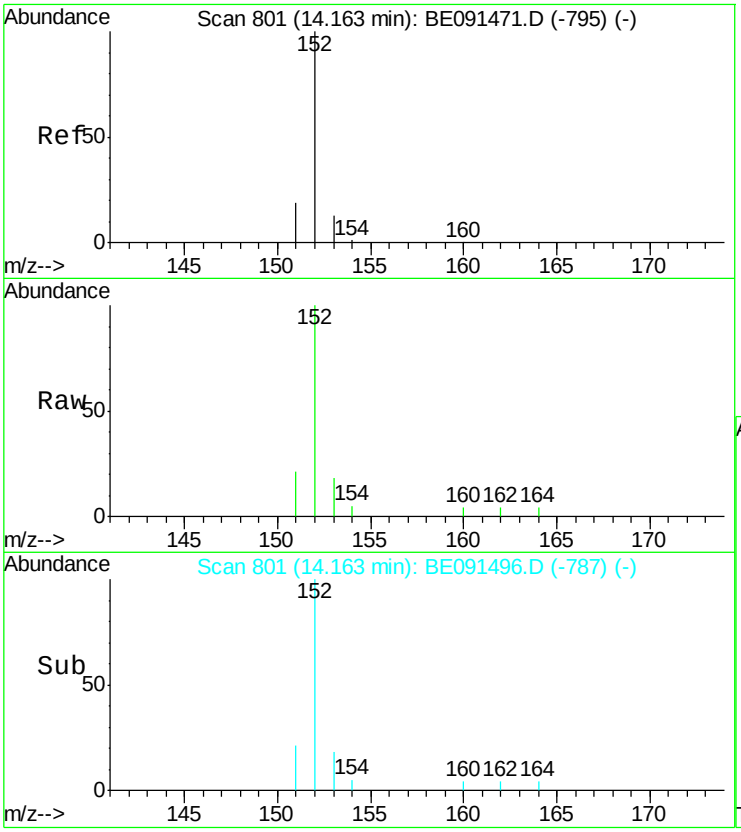


#12
2-Fluorobiphenyl
Concen: 4.56 ng
RT: 13.07 min Scan# 710
Delta R.T. -0.00 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion:172 Resp: 185033

Ion	Ratio	Lower	Upper
172	100		
171	31.6	29.8	44.8
170	19.4	21.4	32.2#

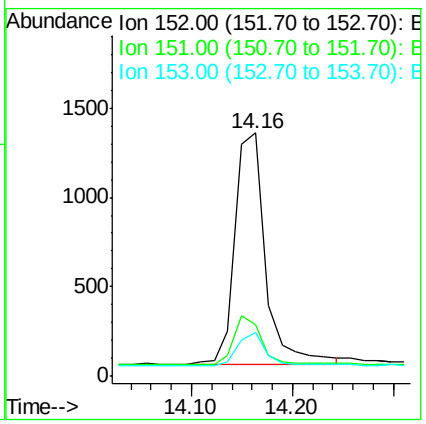




#13
Acenaphthylene
Concen: 0.17 ng m
RT: 14.16 min Scan# 801
Delta R.T. 0.00 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion:152 Resp: 2743

Ion	Ratio	Lower	Upper
152	100		
151	29.8	16.3	24.5#
153	20.1	11.1	16.7#



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BNA_E
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MDL-01-W

Manual Integrations APPROVED
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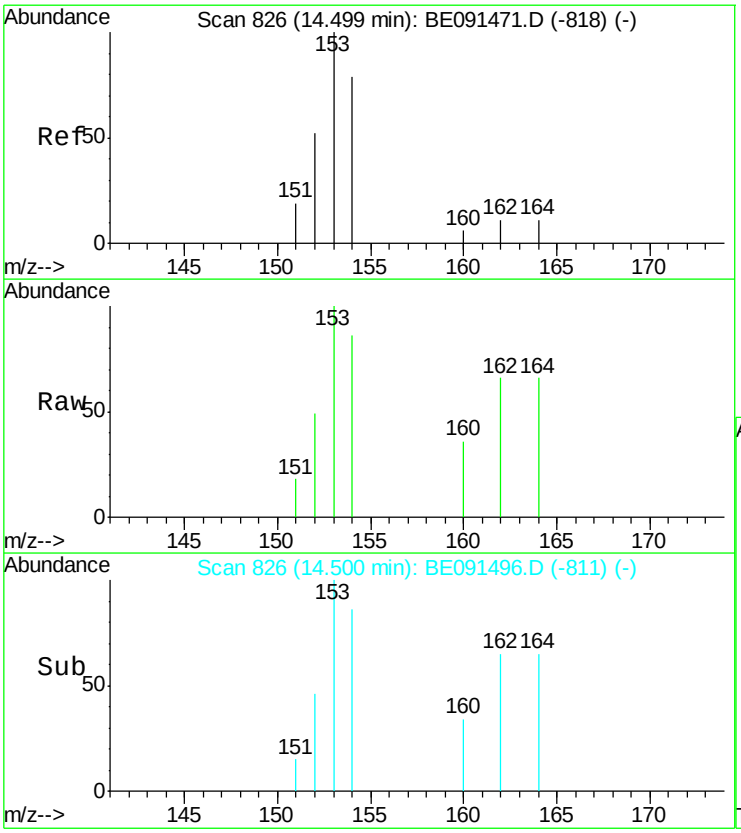
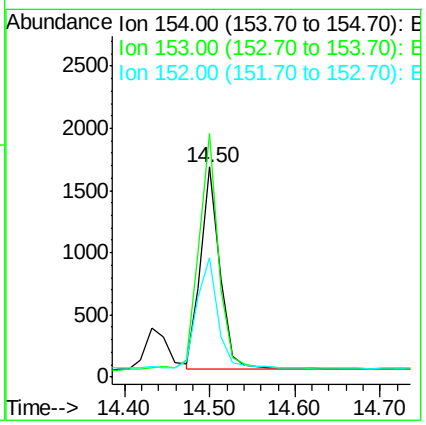
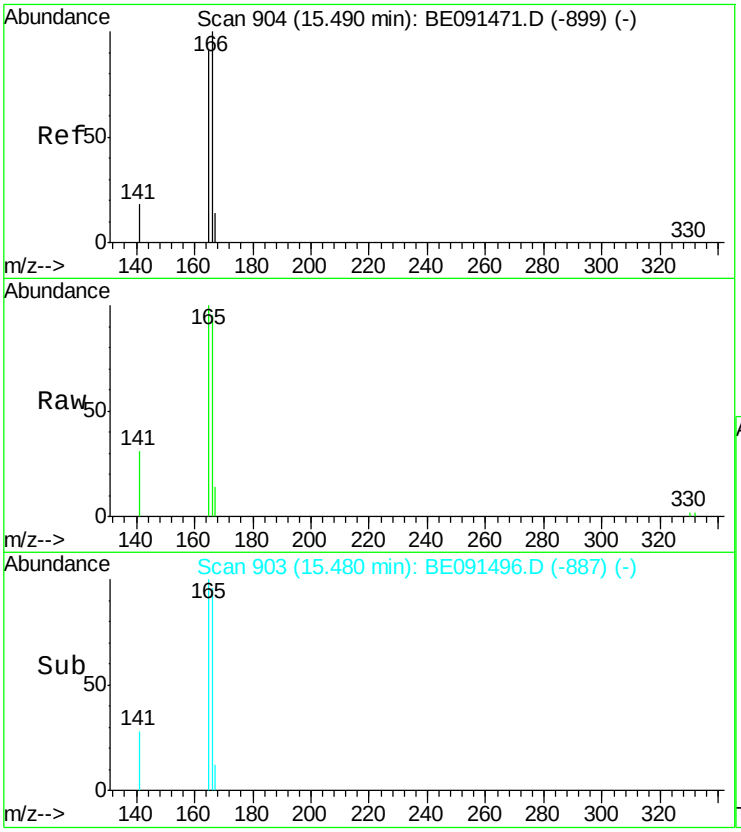


#14
Acenaphthene
Concen: 0.05 ng
RT: 14.50 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion:154 Resp: 2604

Ion	Ratio	Lower	Upper
154	100		
153	120.7	87.3	130.9
152	57.5	42.9	64.3

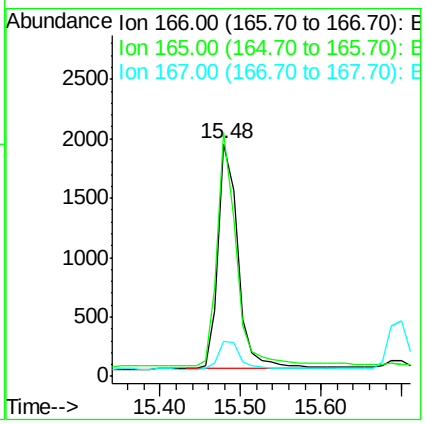




#15
Fluorene
Concen: 0.05 ng
RT: 15.48 min Scan# 903
Delta R.T. -0.01 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion:166 Resp: 3284

Ion	Ratio	Lower	Upper
166	100		
165	100.5	79.2	118.8
167	13.6	10.8	16.2



Instrument :
BNA_E
ClientSampleId :
MDL-01-W

Manual Integrations APPROVED
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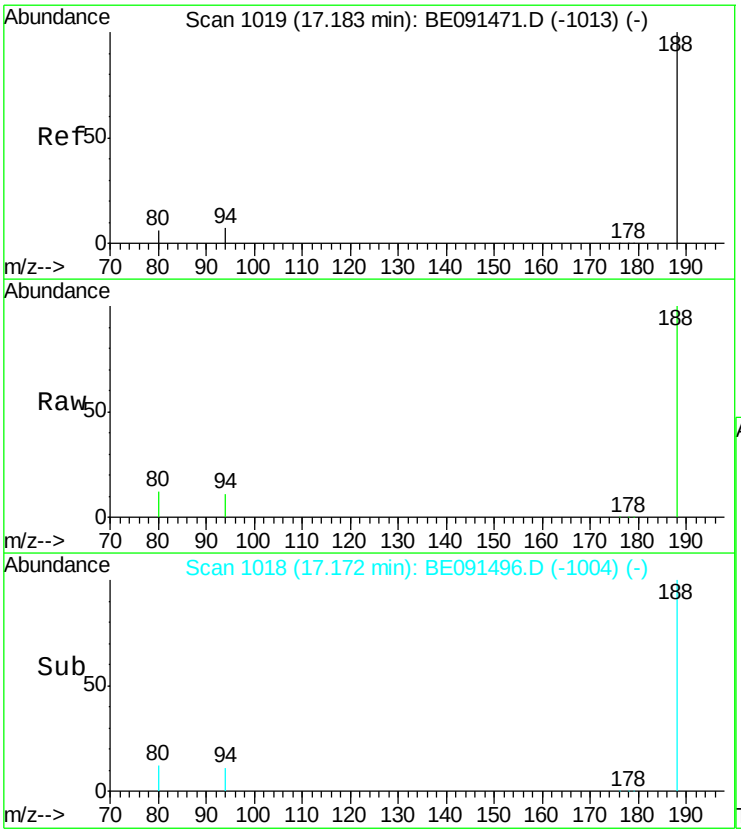
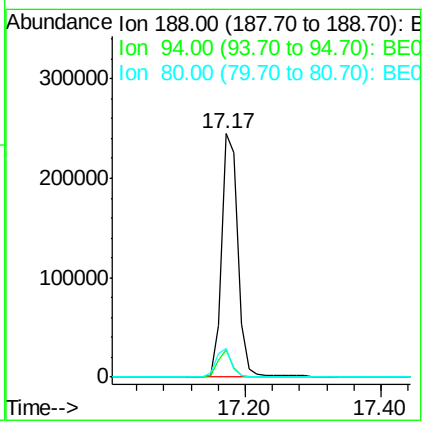
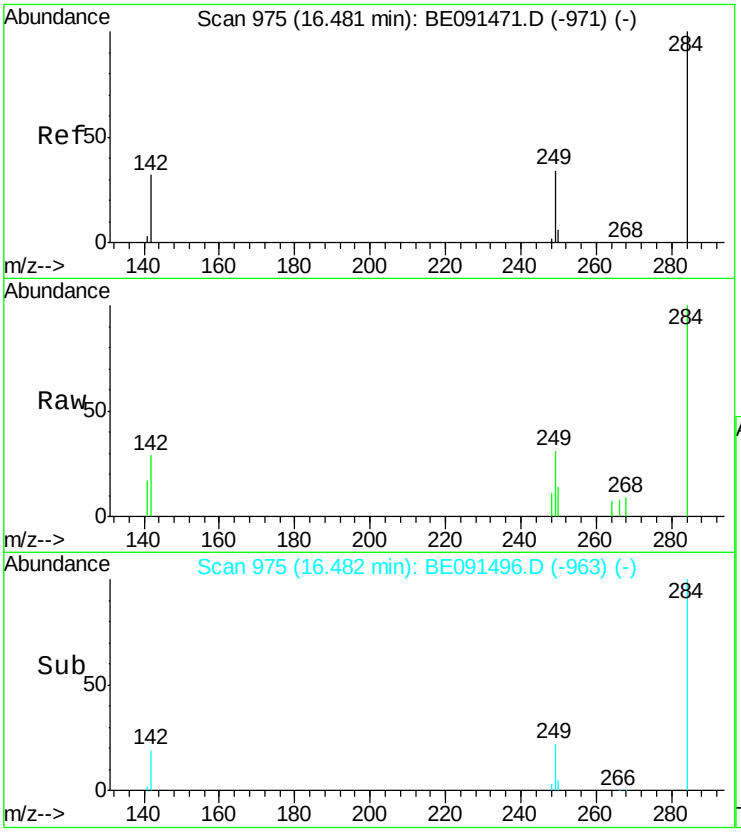


#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.17 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion:188 Resp: 416913

Ion	Ratio	Lower	Upper
188	100		
94	11.1	5.4	8.2#
80	11.5	5.0	7.4#

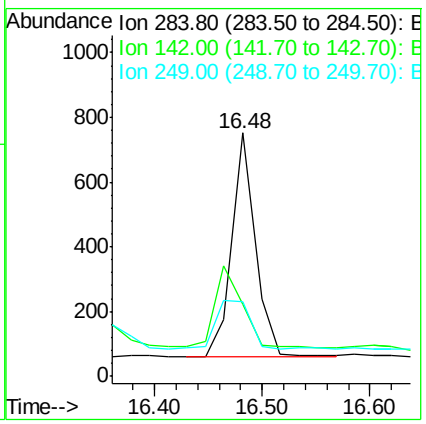




#17
Hexachlorobenzene
Concen: 0.06 ng
RT: 16.48 min Scan# 975
Delta R.T. 0.00 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion:284 Resp: 1031

Ion	Ratio	Lower	Upper
284	100		
142	42.2	31.0	46.4
249	32.3	25.8	38.8



Instrument :
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ClientSampleId :
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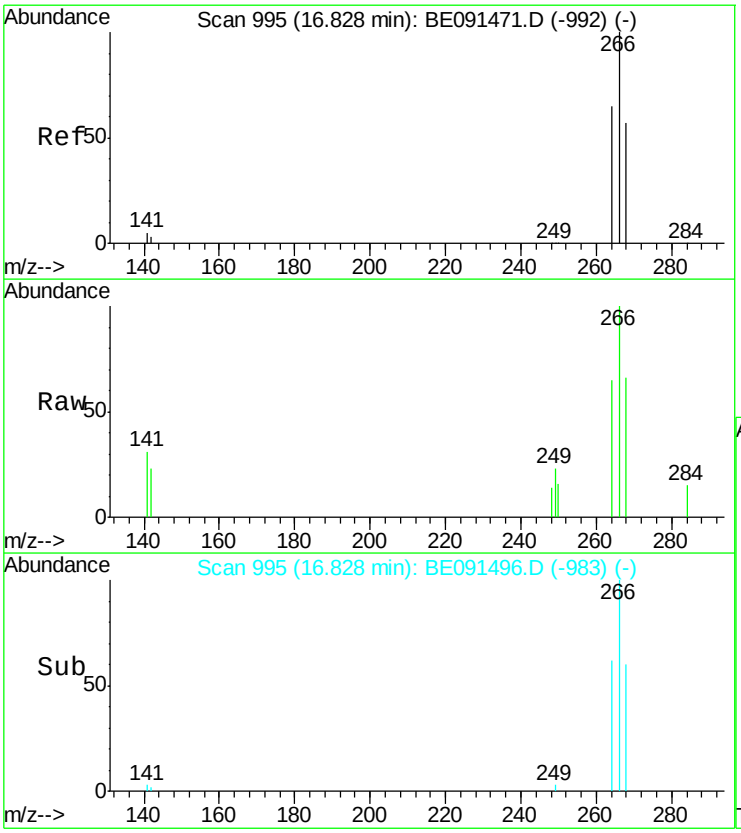
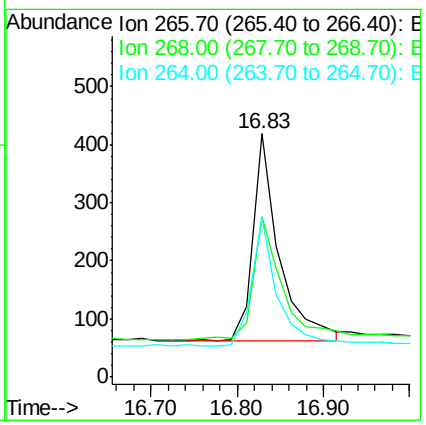
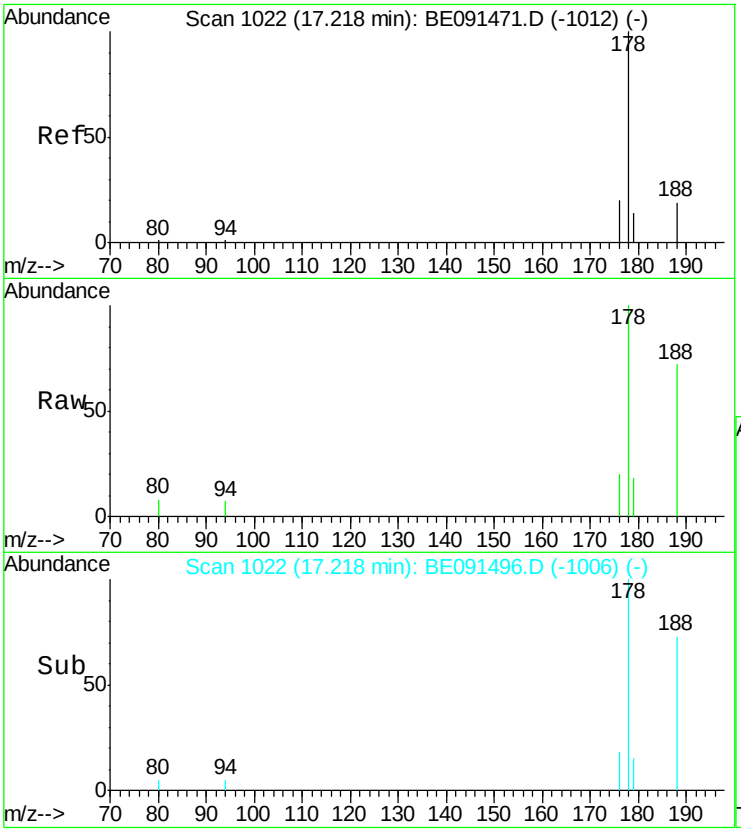


#18
Pentachlorophenol
Concen: 0.28 ng
RT: 16.83 min Scan# 995
Delta R.T. 0.00 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion:266 Resp: 751

Ion	Ratio	Lower	Upper
266	100		
268	65.9	48.2	72.2
264	65.4	52.1	78.1

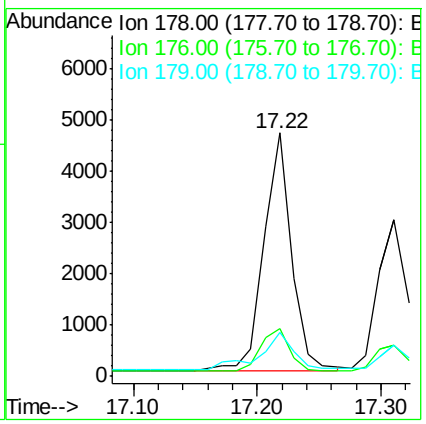




#19
Phenanthrene
Concen: 0.06 ng m
RT: 17.22 min Scan# 1022
Delta R.T. 0.00 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion:178 Resp: 7278

Ion	Ratio	Lower	Upper
178	100		
176	12.2	15.5	23.3#
179	9.7	13.1	19.7#



Instrument :
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ClientSampleId :
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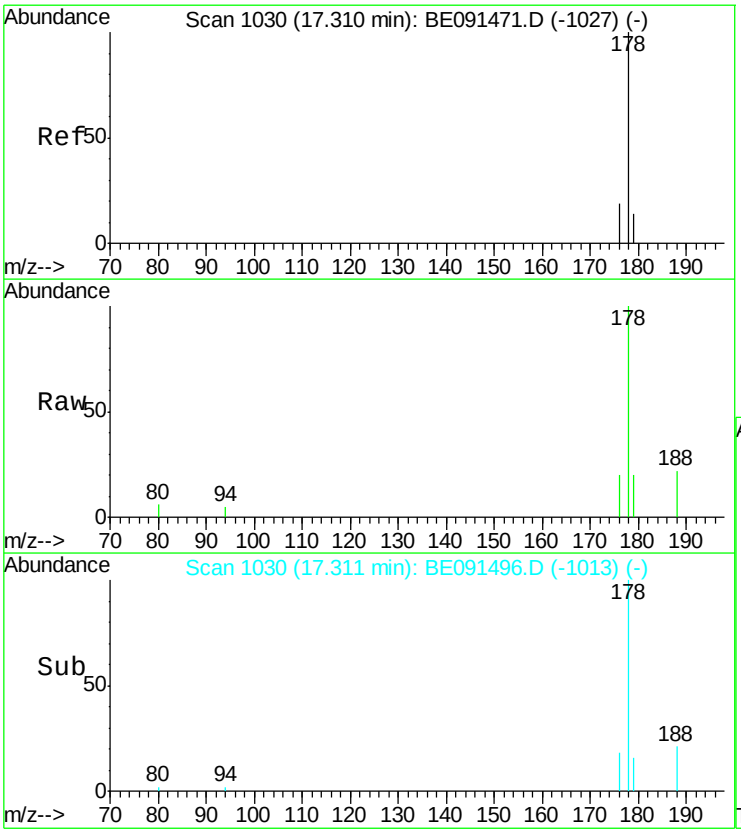
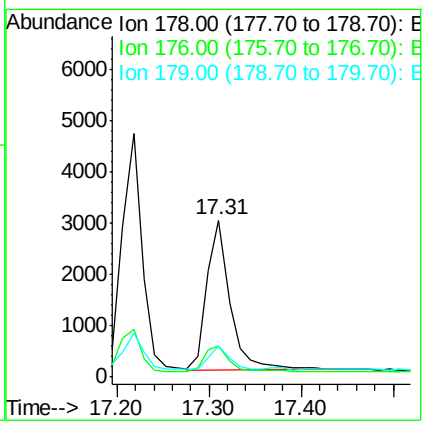
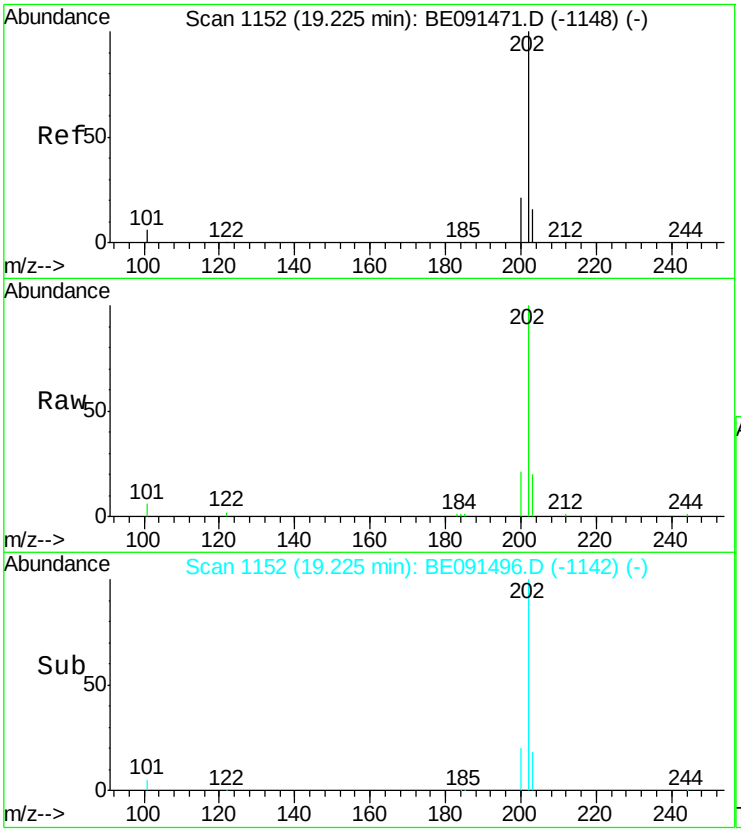


#20
Anthracene
Concen: 0.05 ng
RT: 17.31 min Scan# 1030
Delta R.T. 0.00 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion:178 Resp: 5176

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.9	22.3
179	13.6	12.2	18.4

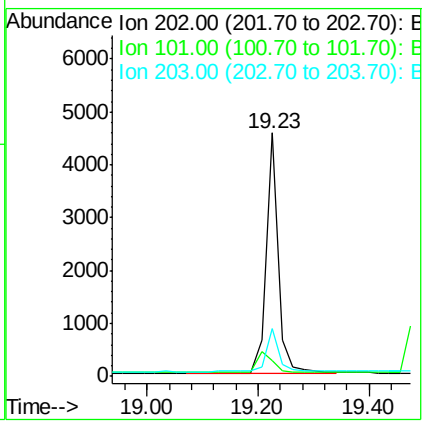




#21
Fluoranthene
Concen: 0.05 ng
RT: 19.23 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion:202 Resp: 7046

Ion	Ratio	Lower	Upper
202	100		
101	11.2	8.3	12.5
203	19.0	13.9	20.9



Instrument :
BNA_E
ClientSampleId :
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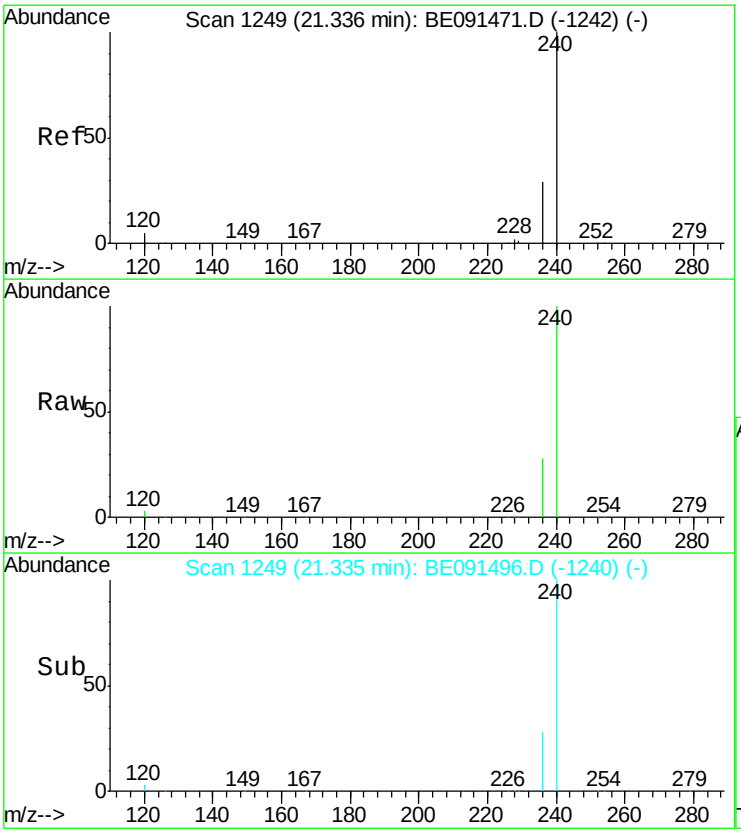
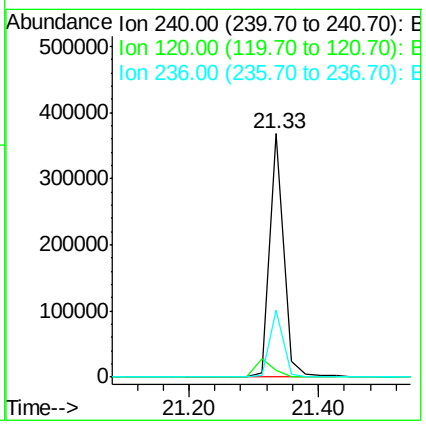
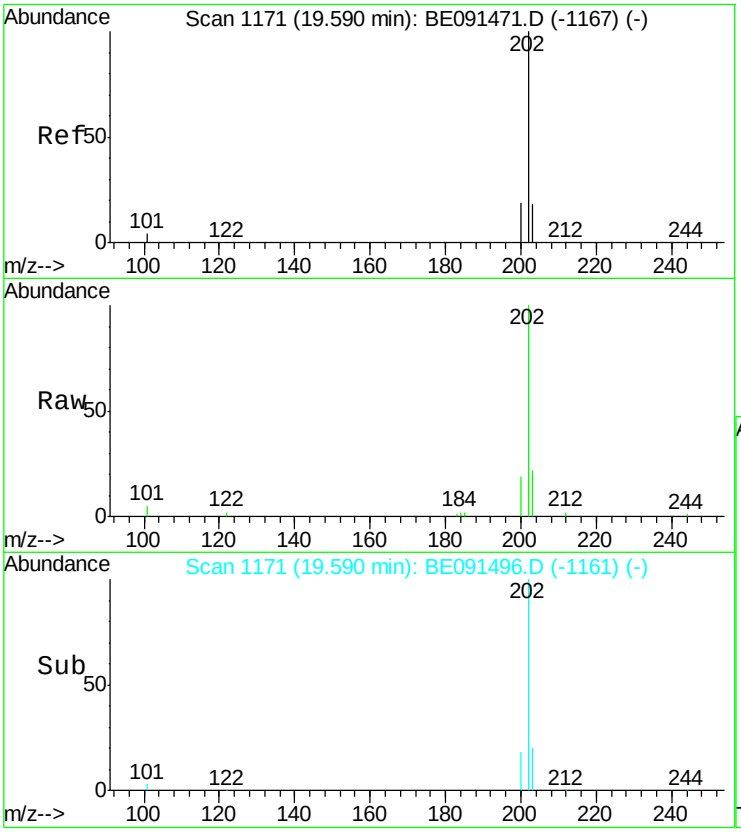


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.33 min Scan# 1249
Delta R.T. -0.00 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion:240 Resp: 563706

Ion	Ratio	Lower	Upper
240	100		
120	3.0	4.0	6.0#
236	27.6	23.0	34.4

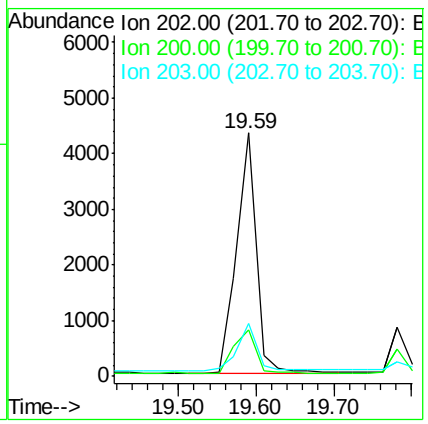




#23
Pyrene
Concen: 0.05 ng
RT: 19.59 min Scan# 1171
Delta R.T. 0.00 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion:202 Resp: 7510

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.4	24.6
203	19.9	14.6	21.8



Instrument :
BNA_E
ClientSampleId :
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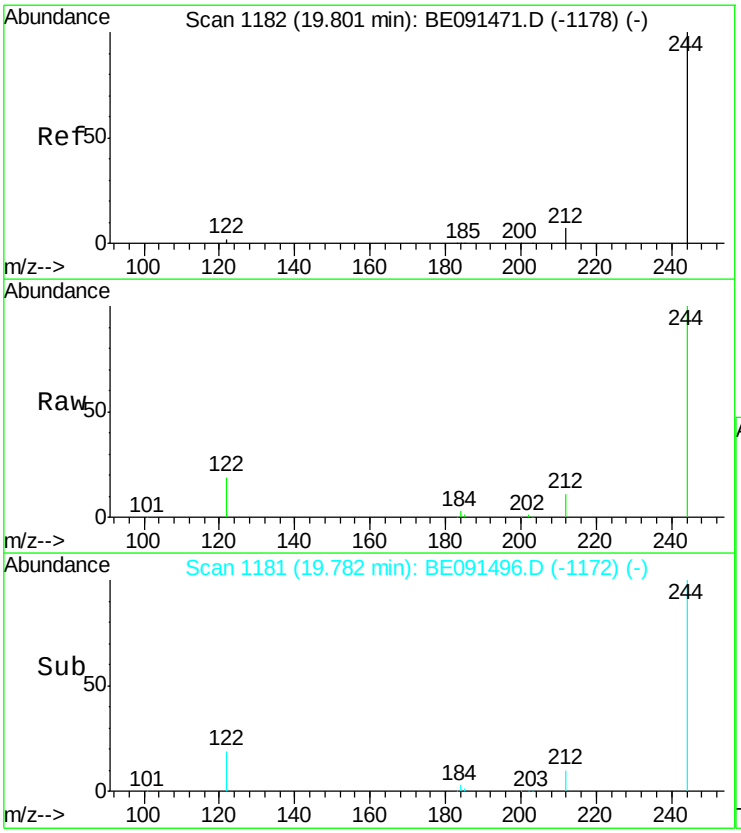
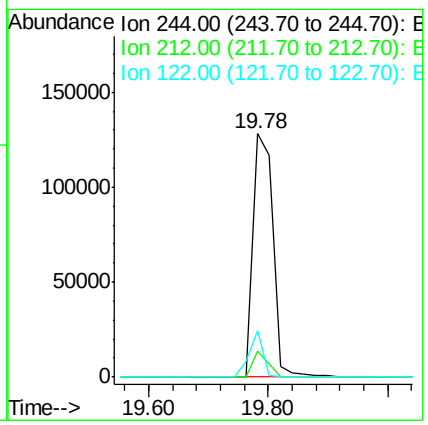
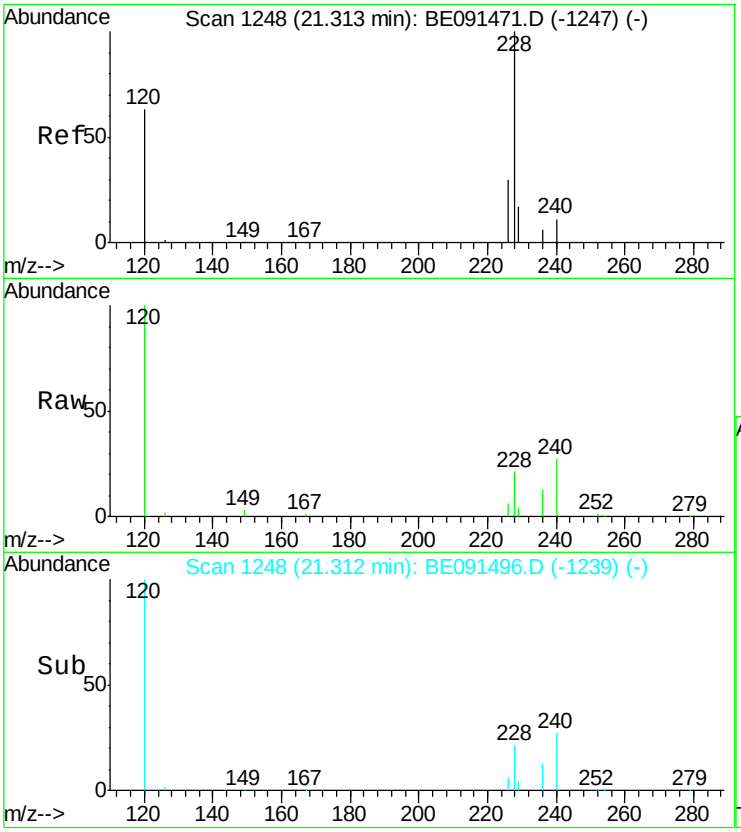


#24
Terphenyl-d14
Concen: 4.36 ng
RT: 19.78 min Scan# 1181
Delta R.T. -0.02 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion:244 Resp: 295298

Ion	Ratio	Lower	Upper
244	100		
212	10.5	5.8	8.8#
122	18.9	1.8	2.8#

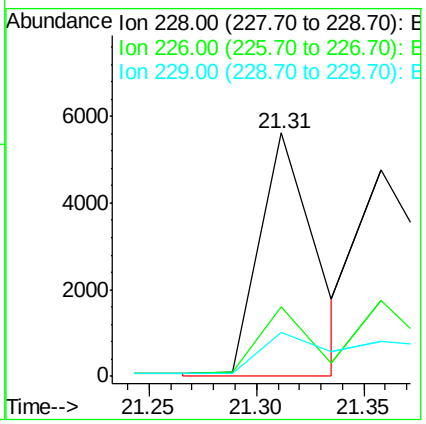




#25
Benzo(a)anthracene
Concen: 0.07 ng m
RT: 21.31 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion:228 Resp: 10395

Ion	Ratio	Lower	Upper
228	100		
226	28.4	24.0	36.0
229	18.0	13.8	20.6



Instrument :
BNA_E
ClientSampleId :
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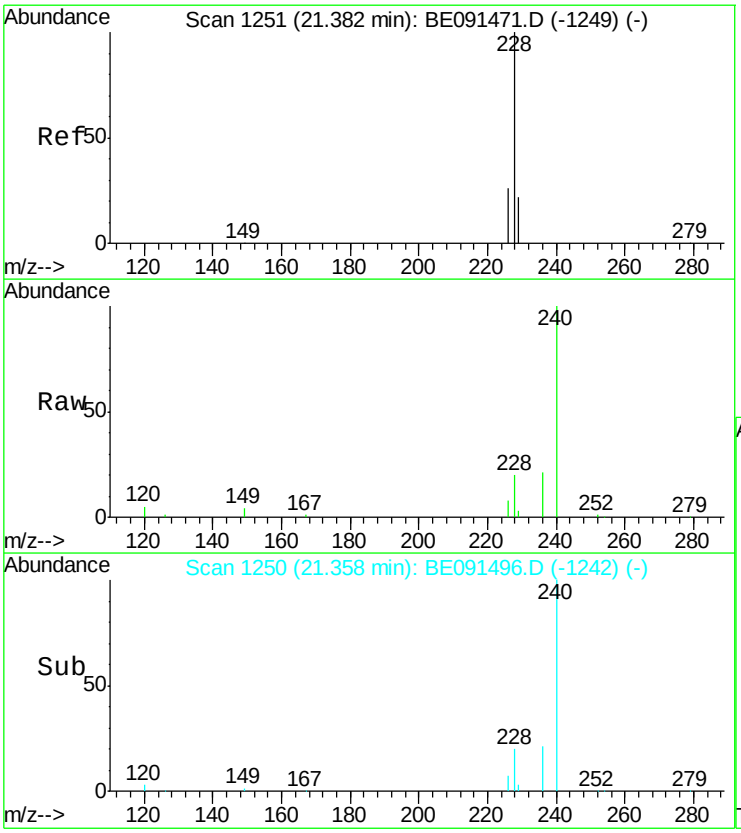
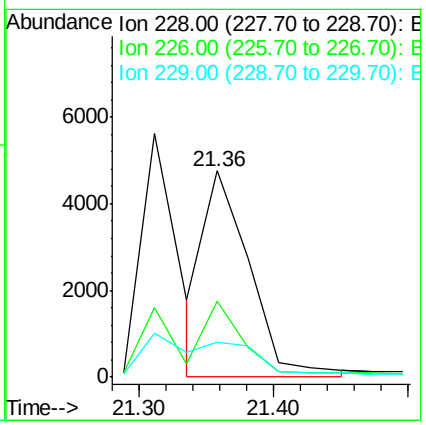
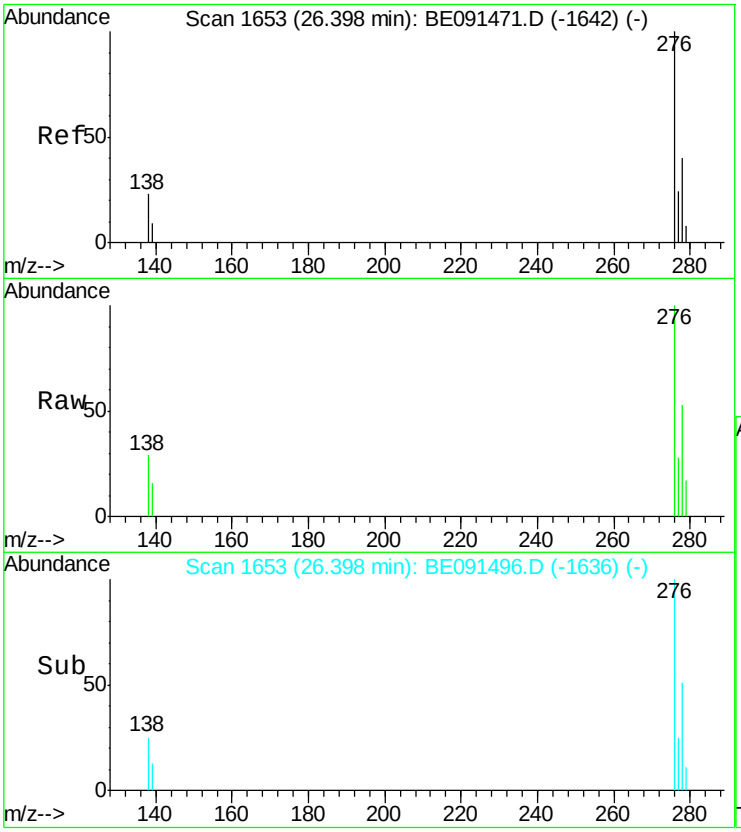


#26
Chrysene
Concen: 0.07 ng m
RT: 21.36 min Scan# 1250
Delta R.T. -0.02 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion:228 Resp: 11395

Ion	Ratio	Lower	Upper
228	100		
226	36.9	18.9	28.3#
229	17.0	19.1	28.7#

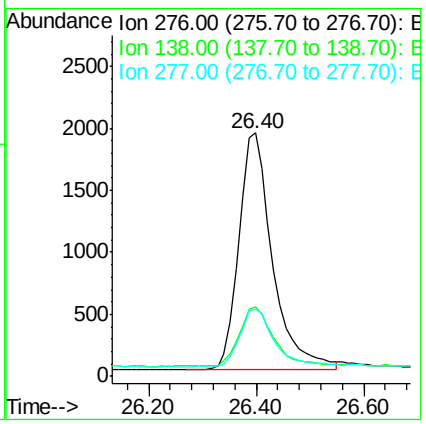




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.05 ng
RT: 26.40 min Scan# 1653
Delta R.T. 0.00 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion:276 Resp: 8293

Ion	Ratio	Lower	Upper
276	100		
138	26.3	20.2	30.4
277	24.9	19.8	29.8



Instrument :
BNA_E
ClientSampleId :
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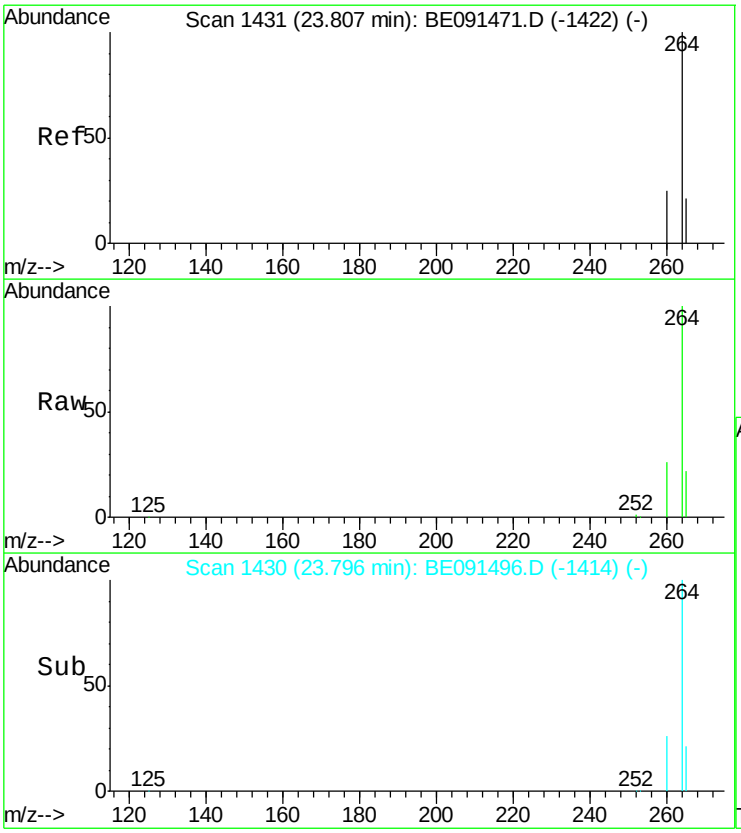
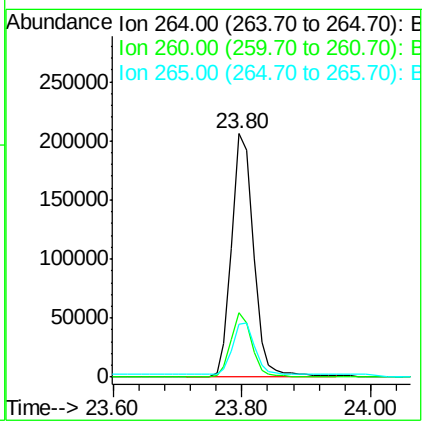
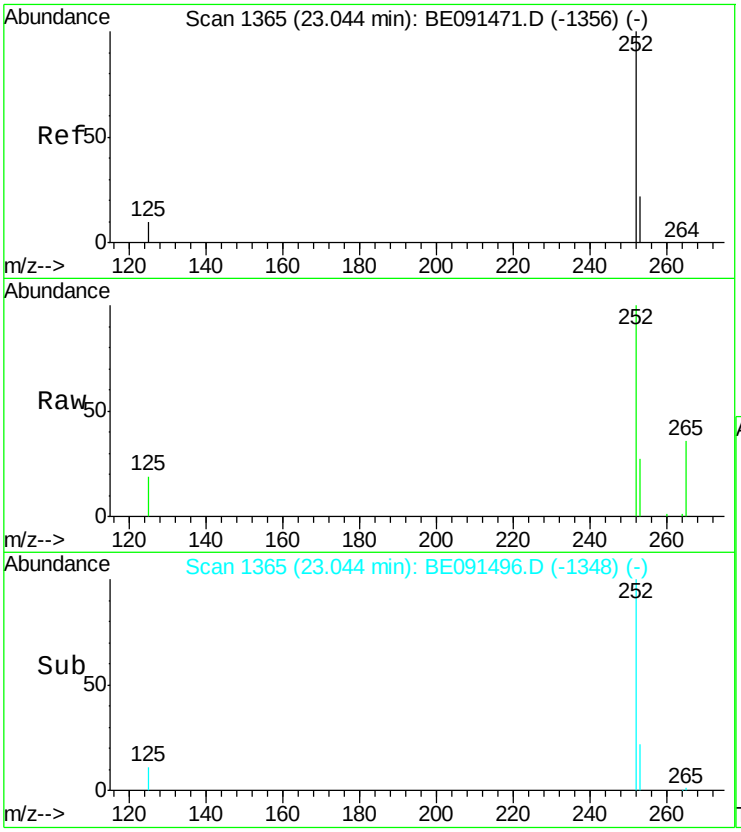


#28
Perylene-d12
Concen: 5.00 ng
RT: 23.80 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion:264 Resp: 487901

Ion	Ratio	Lower	Upper
264	100		
260	26.2	20.1	30.1
265	21.6	18.3	27.5





#29
Benzo(b)fluoranthene
Concen: 0.07 ng
RT: 23.04 min Scan# 1365
Delta R.T. 0.00 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Instrument :
BNA_E
ClientSampleId :
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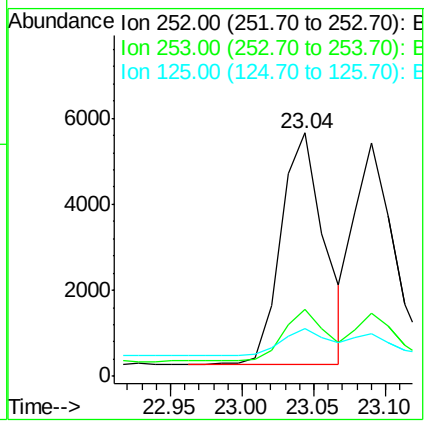
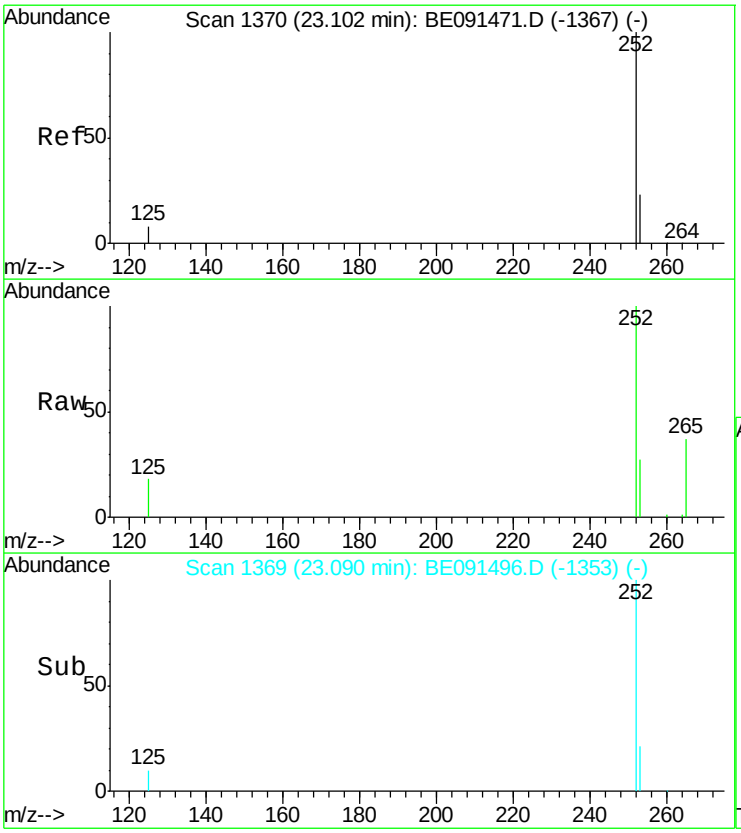
Tgt Ion:252 Resp: 11237

Ion	Ratio	Lower	Upper
252	100		
253	27.4	18.7	28.1
125	19.4	9.8	14.6#

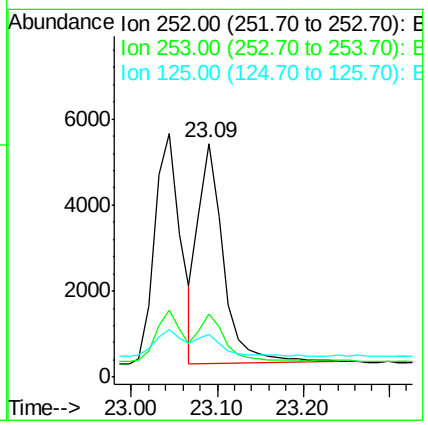


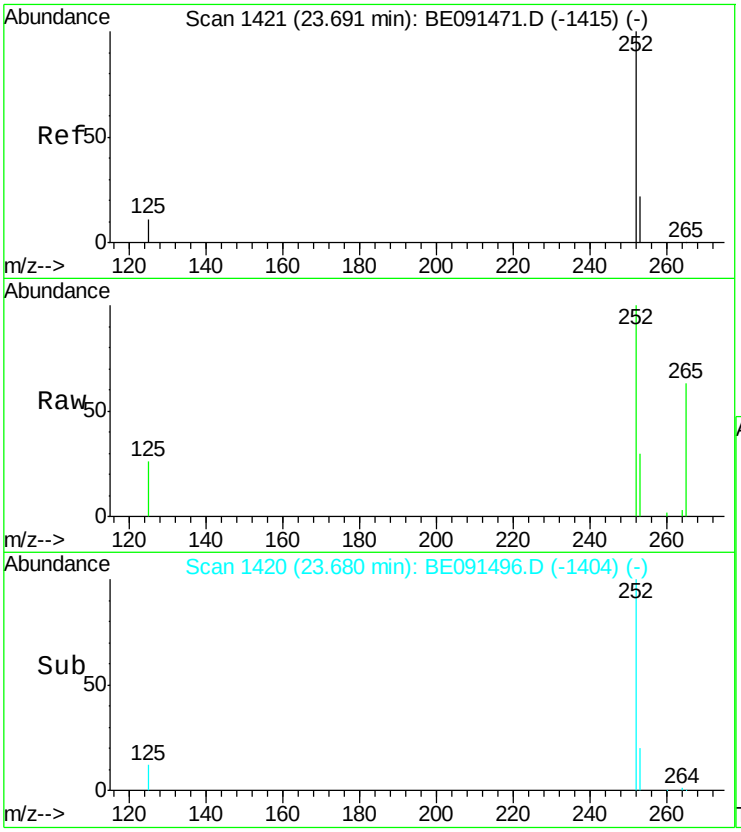


#30
Benzo(k)fluoranthene
Concen: 0.07 ng
RT: 23.09 min Scan# 1369
Delta R.T. -0.01 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion:252 Resp: 10372

Ion	Ratio	Lower	Upper
252	100		
253	26.9	20.2	30.4
125	18.2	9.4	14.2#





#31
Benzo(a)pyrene
Concen: 0.05 ng
RT: 23.68 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion:252 Resp: 7377

Ion	Ratio	Lower	Upper
252	100		
253	29.6	19.4	29.0#
125	26.4	11.4	17.2#

Instrument :
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ClientSampleId :
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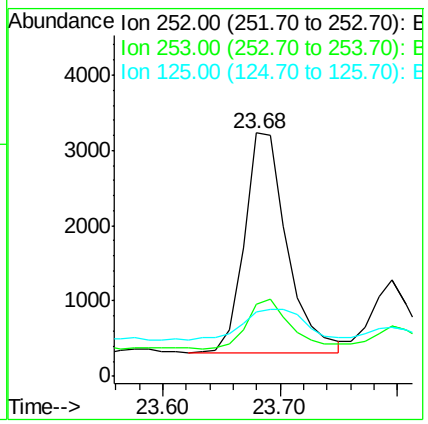
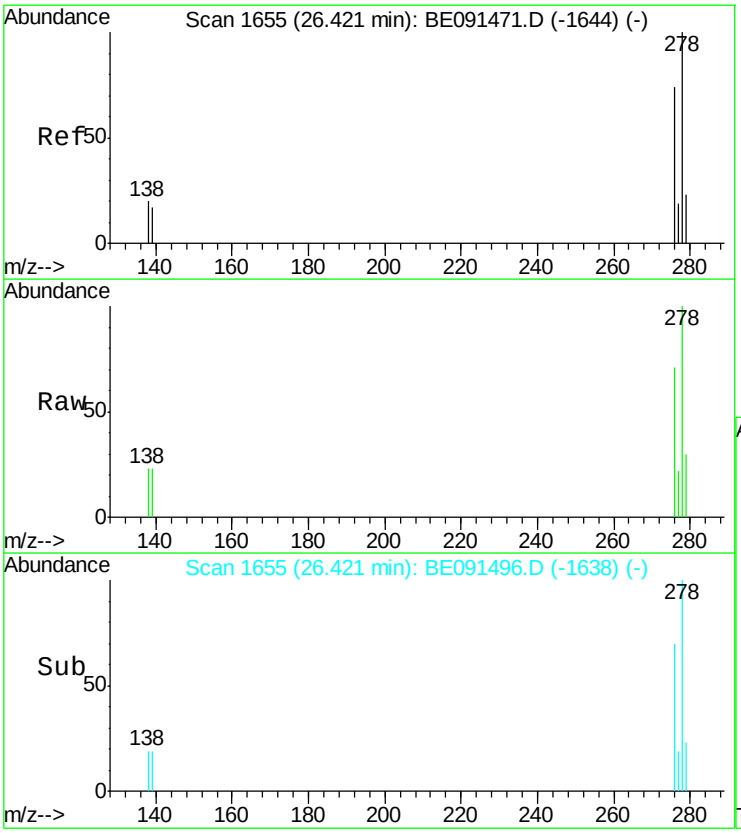
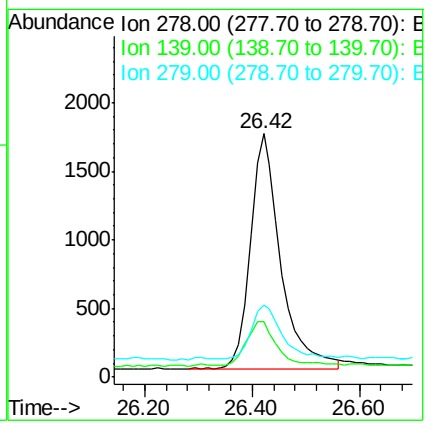


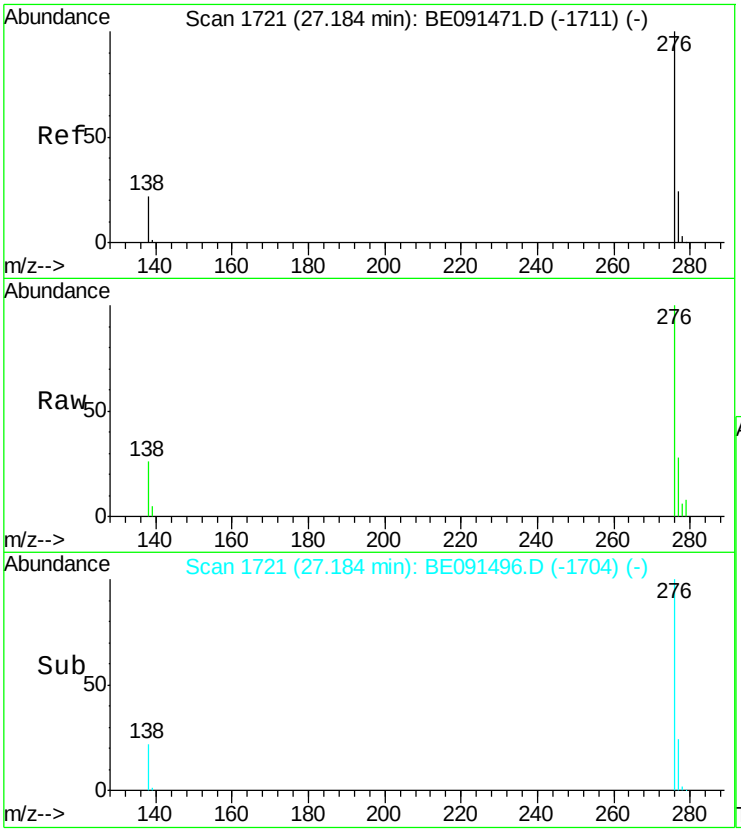


#32
Dibenzo(a,h)anthracene
Concen: 0.05 ng
RT: 26.42 min Scan# 1655
Delta R.T. 0.00 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion:278 Resp: 6706

Ion	Ratio	Lower	Upper
278	100		
139	22.6	14.2	21.4#
279	29.9	19.6	29.4#

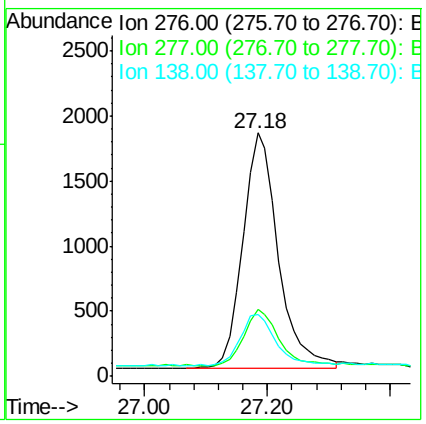




#33
Benzo(g,h,i)perylene
Concen: 0.05 ng
RT: 27.18 min Scan# 1721
Delta R.T. 0.00 min
Lab File: BE091496.D
Acq: 21 Mar 2016 10:45

Tgt Ion:276 Resp: 7258

Ion	Ratio	Lower	Upper
276	100		
277	27.8	19.4	29.2
138	25.5	18.2	27.4



Instrument :
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ClientSampleId :
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