Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051816\
Data File : BE091792.D
Acq On : 18 May 2016 16:57
Operator : UM/SJ
Sample : H3115-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : NC-TS-002

Manual Integrations APPROVED
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Quant Time: May 18 17:39:59 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE042616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 26 16:09:46 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	38100	5.00	ng		-0.02
7) Naphthalene-d8	10.55	136	199469	5.00	ng		-0.02
13) Acenaphthene-d10	14.41	164	135843	5.00	ng		-0.01
19) Phenanthrene-d10	17.14	188	387137	5.00	ng		-0.01
26) Chrysene-d12	21.29	240	452812	5.00	ng		-0.02
35) Perylene-d12	23.73	264	399399	5.00	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.37	112	45561	4.87	ng		-0.02
5) Phenol-d6	6.94	99	75679	6.10	ng		-0.02
8) Nitrobenzene-d5	8.93	82	33018	2.56	ng		-0.01
14) 2,4,6-Tribromophenol	15.88	330	27460	5.48	ng		-0.01
15) 2-Fluorobiphenyl	13.02	172	101930	2.65	ng		-0.01
29) Terphenyl-d14	19.74	244	186735	2.64	ng		-0.02
Target Compounds							Qvalue
10) Naphthalene	10.61	128	1547	0.04	ng	#	82
12) 2-Methylnaphthalene	12.21	142	1267	0.05	ng	#	90
16) Acenaphthylene	14.11	152	6941m	0.13	ng		
17) Acenaphthene	14.46	154	3160	0.09	ng	#	80
18) Fluorene	15.43	166	6268	0.15	ng		100
22) Pentachlorophenol	16.78	266	1060	0.24	ng		91
23) Phenanthrene	17.17	178	89951	1.02	ng		99
24) Anthracene	17.26	178	33916	0.43	ng		99
25) Fluoranthene	19.17	202	287420	3.13	ng		97
28) Pyrene	19.53	202	298037	2.91	ng	#	93
30) Benzo(a)anthracene	21.27	228	209709m	1.90	ng		
32) Chrysene	21.31	228	146805m	1.28	ng		
33) Bis(2-ethylhexyl)phthalate	21.20	149	7847	0.23	ng	#	89
34) Indeno(1,2,3-cd)pyrene	26.26	276	108607	1.06	ng	#	91
36) Benzo(b)fluoranthene	22.97	252	256140m	2.74	ng		
37) Benzo(k)fluoranthene	23.02	252	63929m	0.67	ng		
38) Benzo(a)pyrene	23.61	252	158708	1.80	ng		96
39) Dibenzo(a,h)anthracene	26.28	278	27502	0.33	ng	#	84
40) Benzo(g,h,i)perylene	27.05	276	113682	1.34	ng		97

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

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Instrument :
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ClientSampleId :
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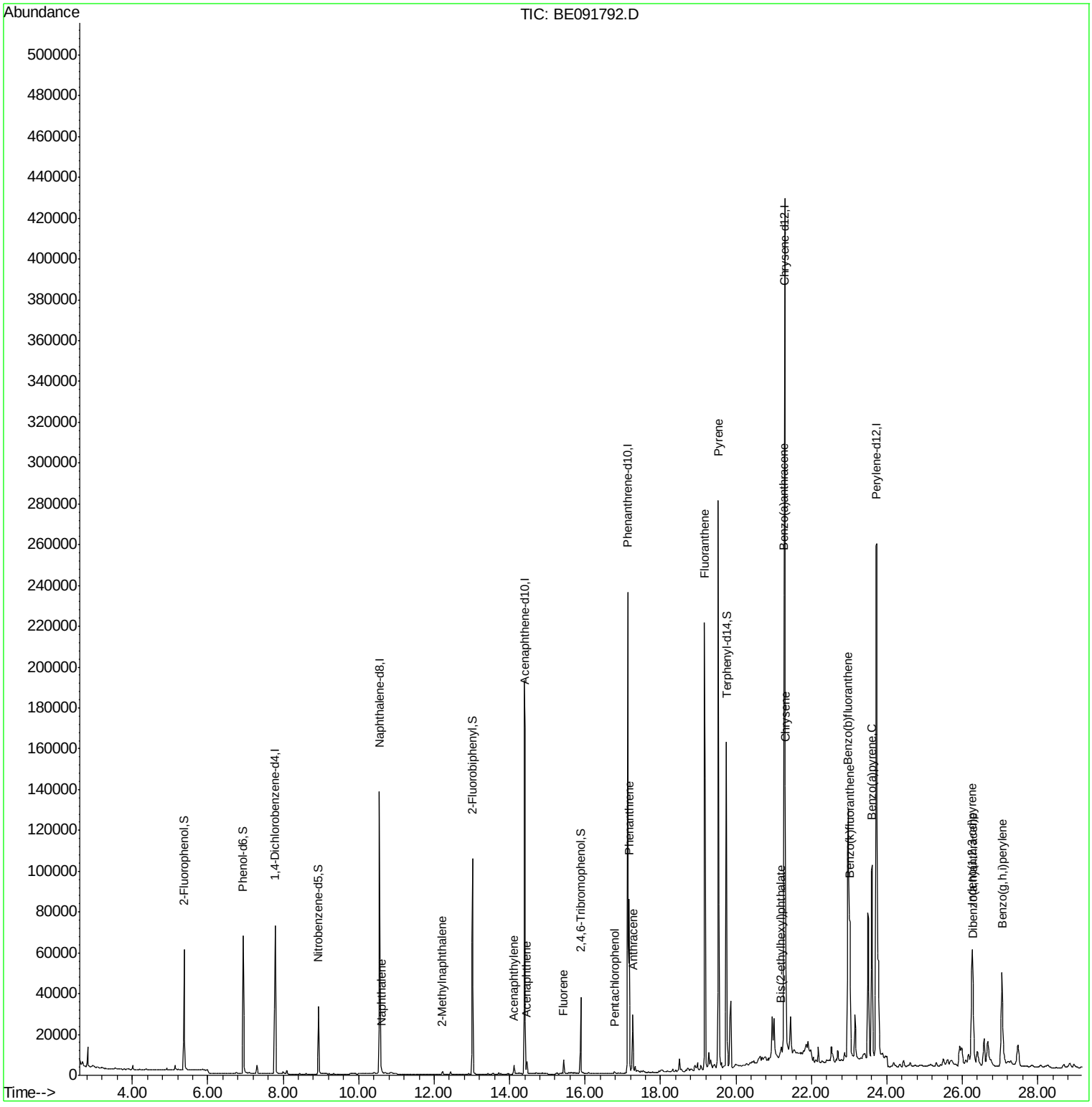
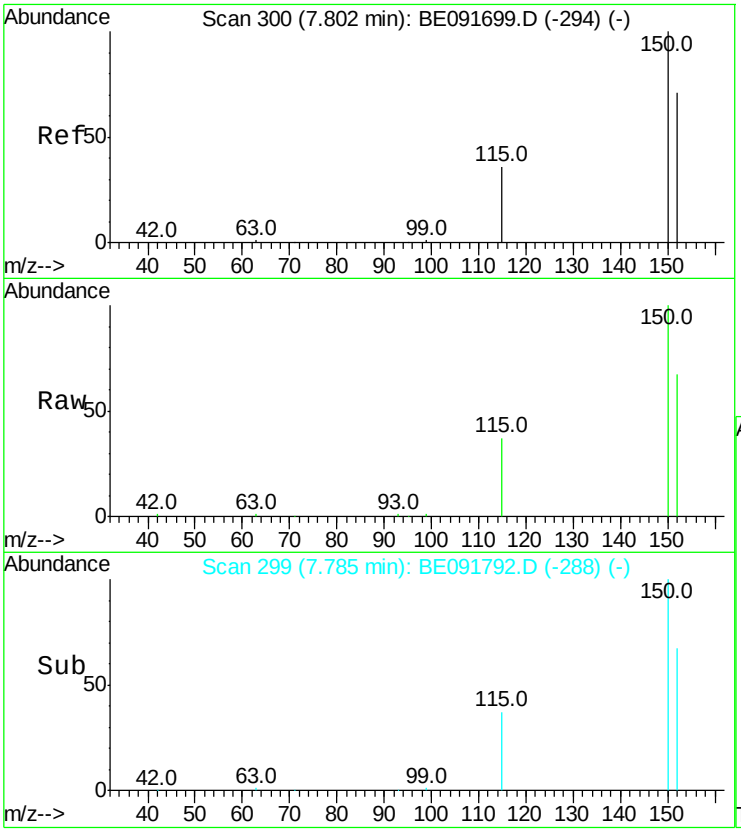
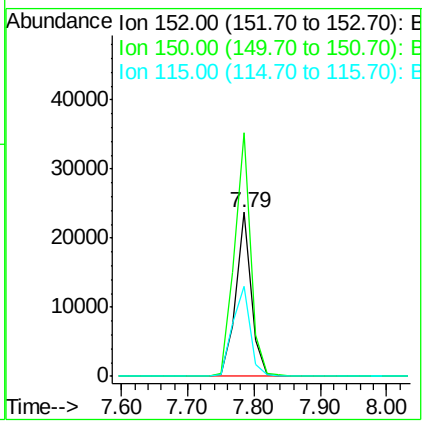




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.79 min Scan# 299
Delta R.T. -0.02 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion:152 Resp: 38100

Ion	Ratio	Lower	Upper
152	100		
150	148.7	122.6	183.8
115	54.8	52.8	79.2



Instrument :
BNA_E
ClientSampleId :
NC-TS-002

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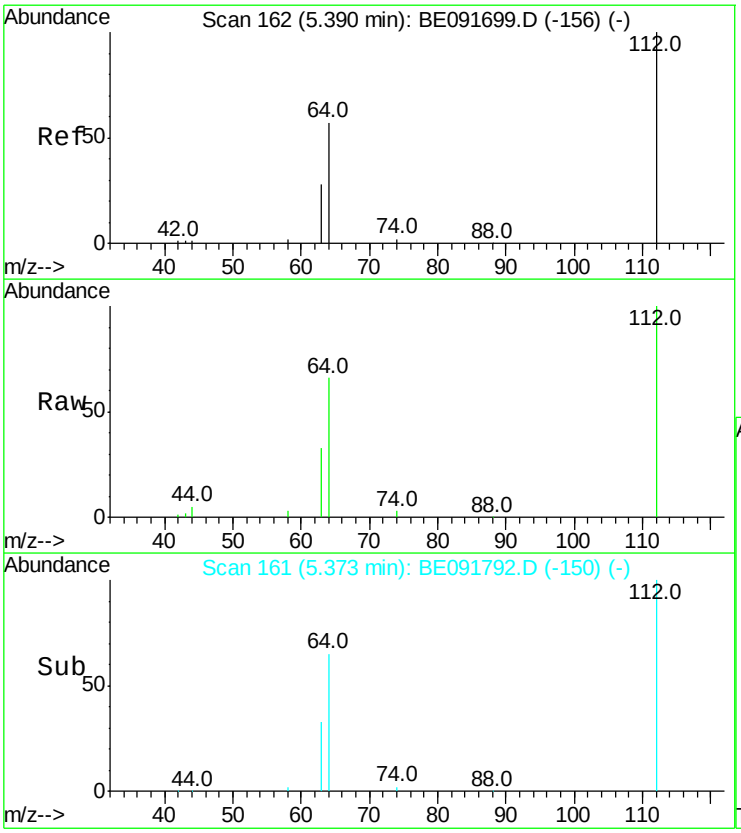
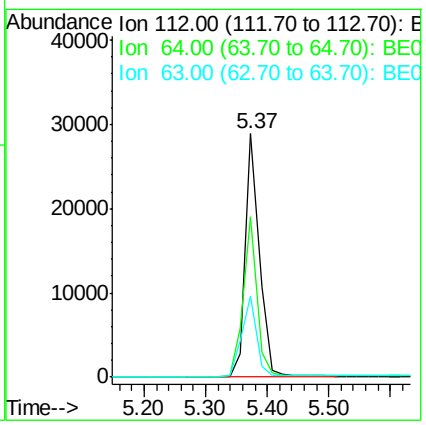
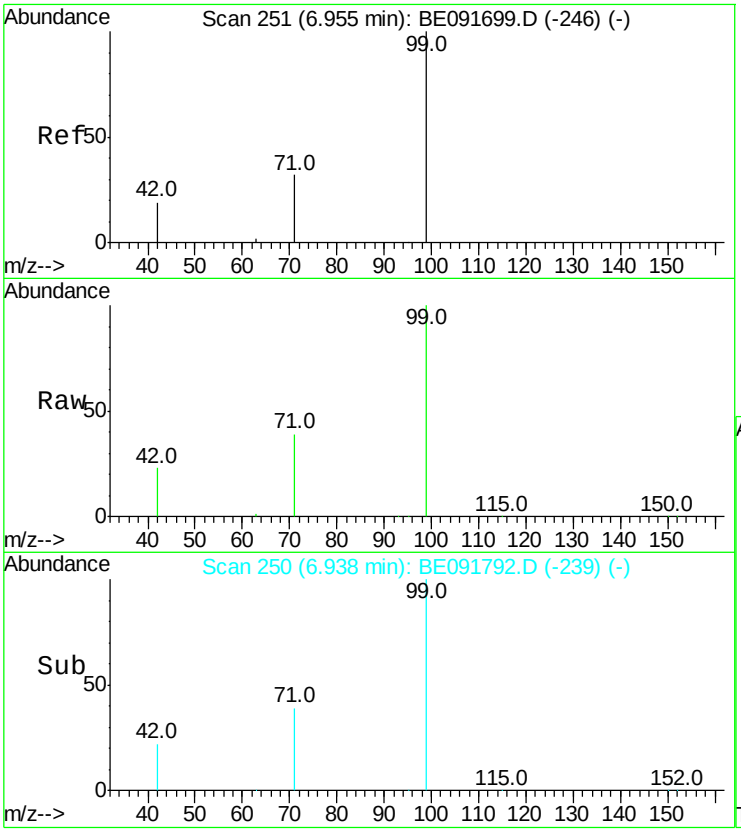


#4
2-Fluorophenol
Concen: 4.87 ng
RT: 5.37 min Scan# 161
Delta R.T. -0.02 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion:112 Resp: 45561

Ion	Ratio	Lower	Upper
112	100		
64	64.6	30.9	46.3#
63	34.6	16.7	25.1#

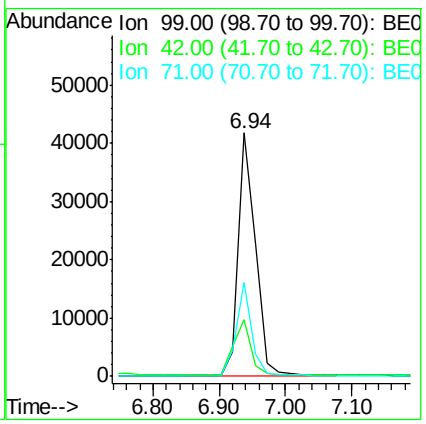




#5
Phenol-d6
Concen: 6.10 ng
RT: 6.94 min Scan# 250
Delta R.T. -0.02 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion: 99 Resp: 75679

Ion	Ratio	Lower	Upper
99	100		
42	22.7	16.2	24.2
71	35.1	29.0	43.4



Instrument :
BNA_E
ClientSampleId :
NC-TS-002

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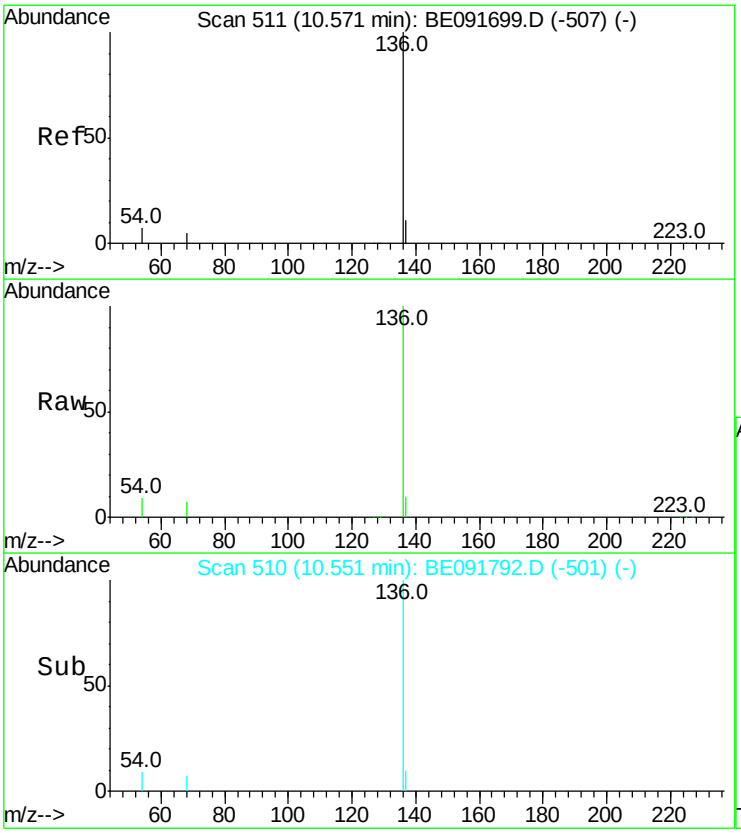
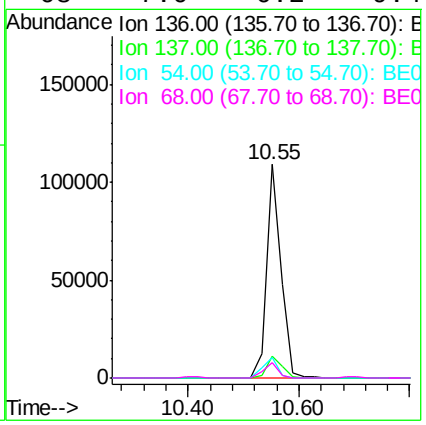
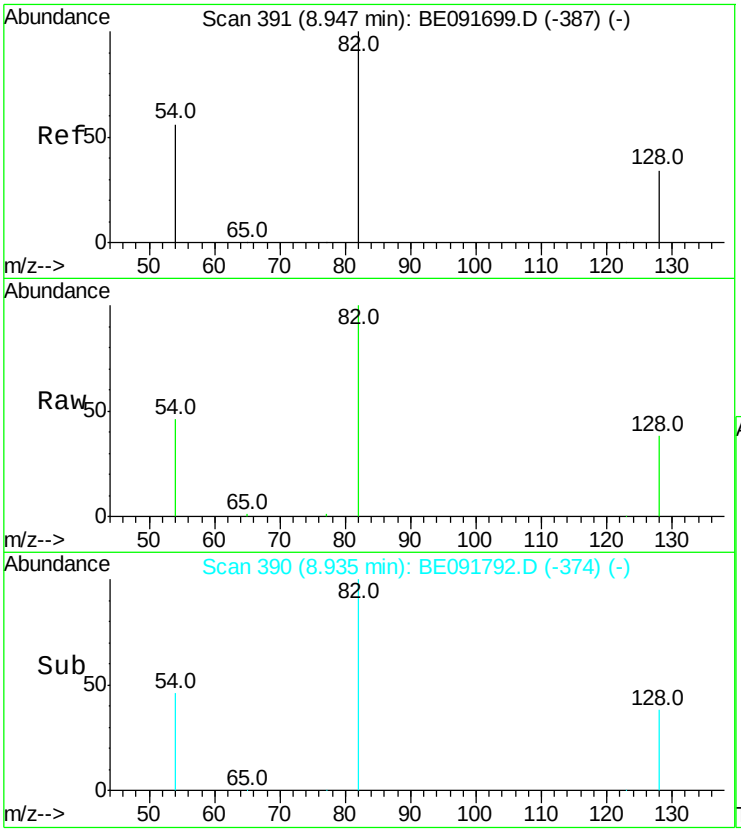


#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.55 min Scan# 510
Delta R.T. -0.02 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion:136 Resp: 199469

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	9.5	8.2	12.4
68	7.0	6.2	9.4

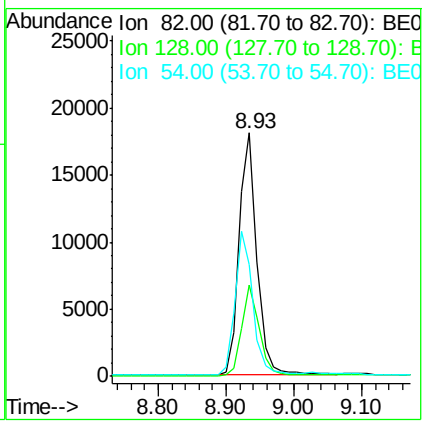




#8
Nitrobenzene-d5
Concen: 2.56 ng
RT: 8.93 min Scan# 390
Delta R.T. -0.01 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion: 82 Resp: 33018

Ion	Ratio	Lower	Upper
82	100		
128	37.7	25.4	38.0
54	45.9	48.4	72.6#



Instrument :
BNA_E
ClientSampleId :
NC-TS-002

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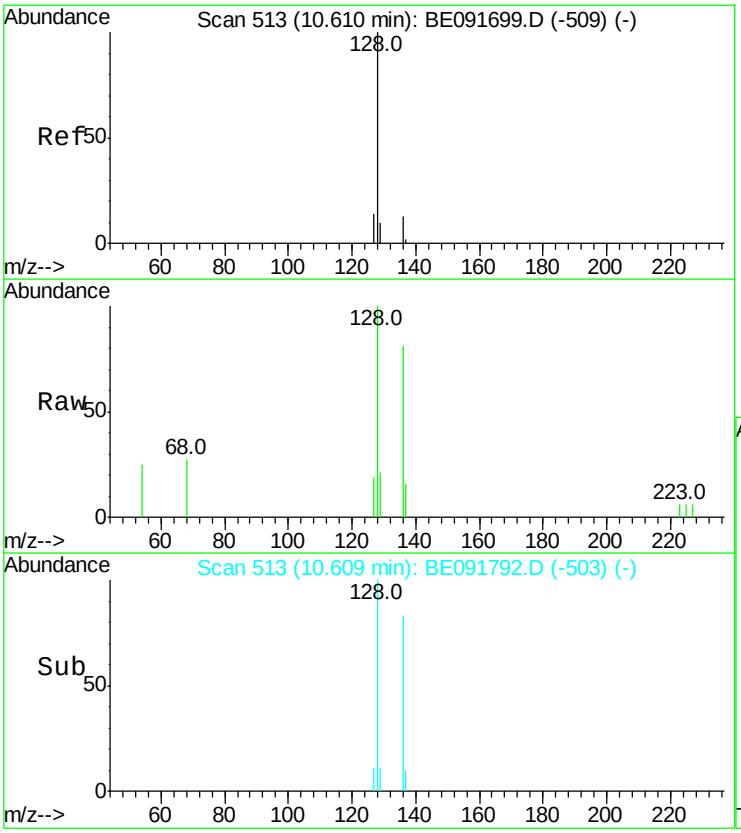
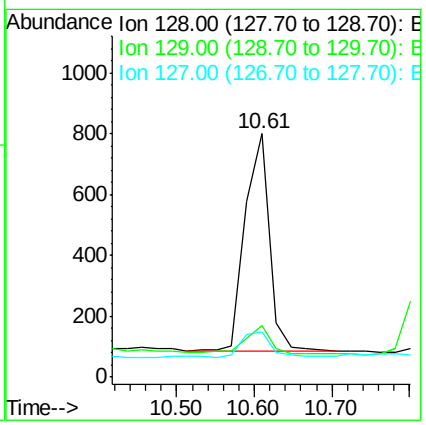
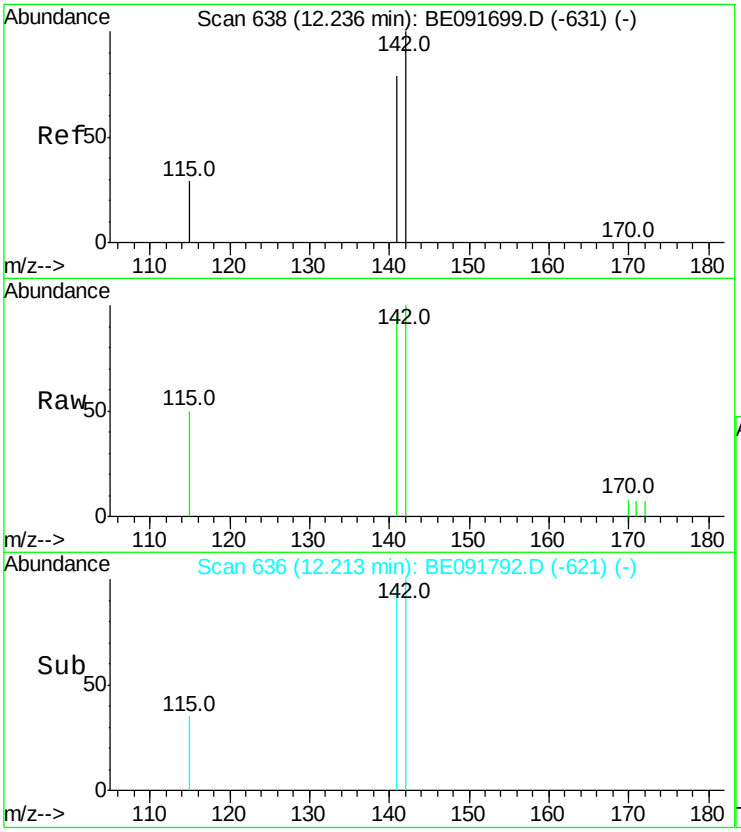


#10
Naphthalene
Concen: 0.04 ng
RT: 10.61 min Scan# 513
Delta R.T. -0.00 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion:128 Resp: 1547

Ion	Ratio	Lower	Upper
128	100		
129	21.1	9.3	13.9#
127	18.6	10.7	16.1#

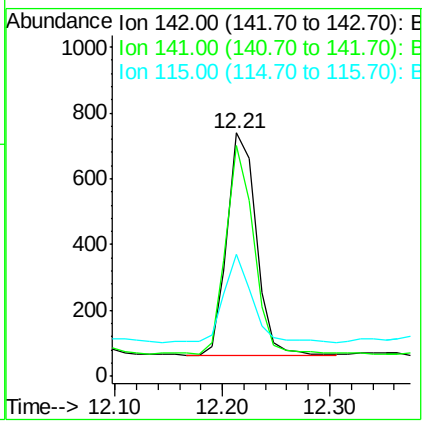




#12
2-Methylnaphthalene
Concen: 0.05 ng
RT: 12.21 min Scan# 636
Delta R.T. -0.02 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion:142 Resp: 1267

Ion	Ratio	Lower	Upper
142	100		
141	95.0	71.4	107.0
115	49.9	30.3	45.5#



Instrument :
BNA_E
ClientSampleId :
NC-TS-002

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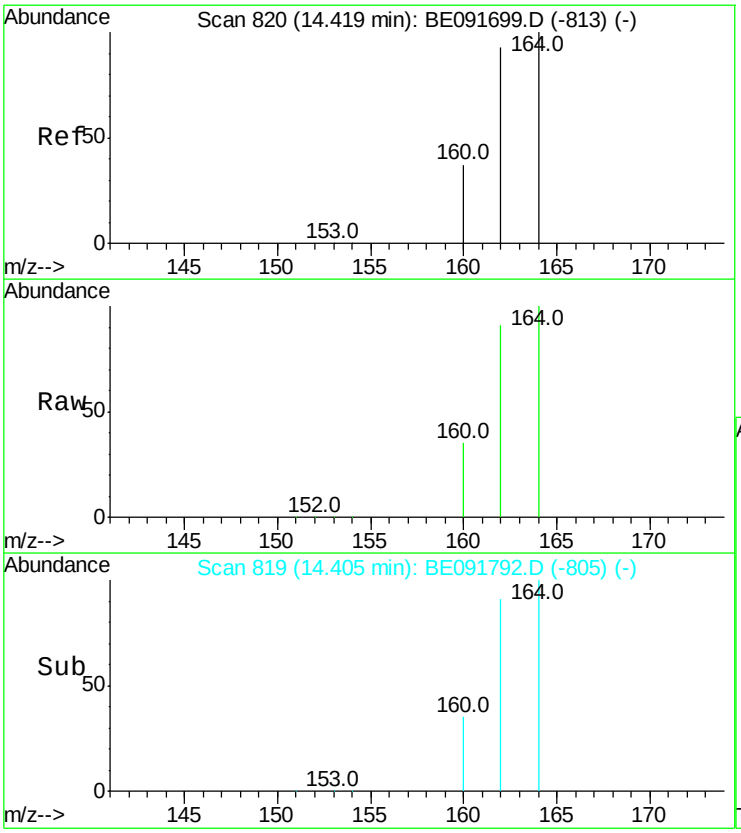
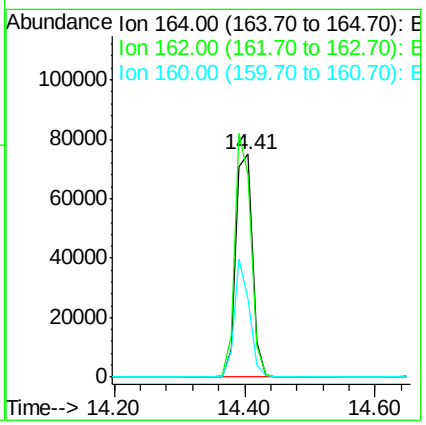
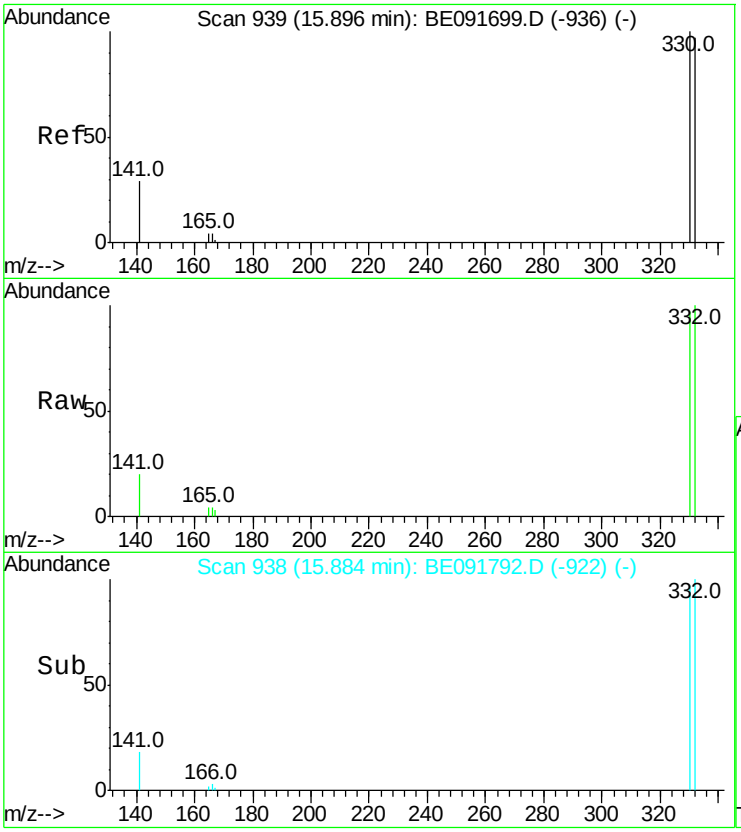


#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.41 min Scan# 819
Delta R.T. -0.01 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion:164 Resp: 135843

Ion	Ratio	Lower	Upper
164	100		
162	91.2	85.3	127.9
160	35.3	46.2	69.2#





#14
2,4,6-Tribromophenol
Concen: 5.48 ng
RT: 15.88 min Scan# 938
Delta R.T. -0.01 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion:330 Resp: 27460

Ion	Ratio	Lower	Upper
330	100		
332	95.9	79.1	118.7
141	41.4	125.4	188.0#

Instrument :
BNA_E
ClientSampleId :
NC-TS-002

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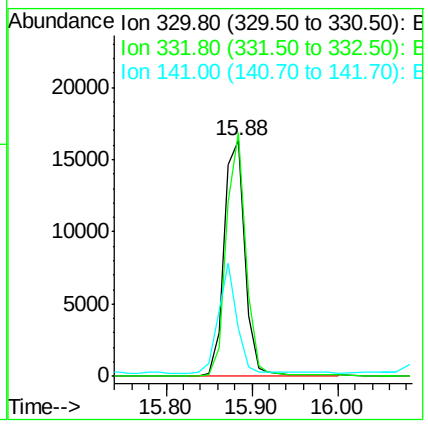
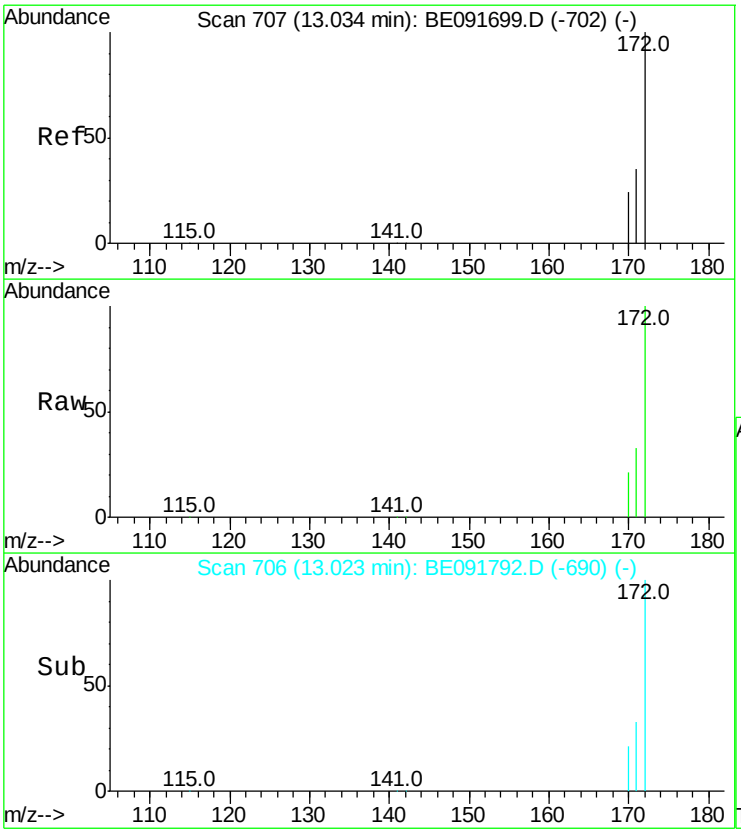
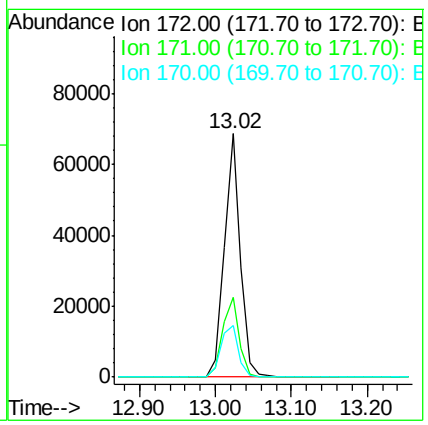


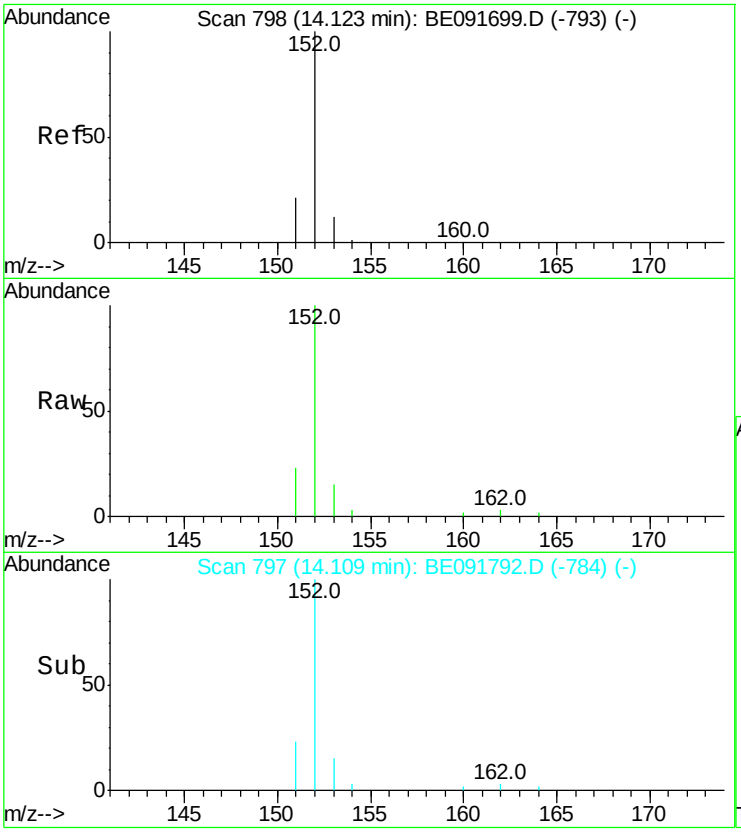


#15
2-Fluorobiphenyl
Concen: 2.65 ng
RT: 13.02 min Scan# 706
Delta R.T. -0.01 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion:172 Resp: 101930

Ion	Ratio	Lower	Upper
172	100		
171	32.8	28.8	43.2
170	21.1	19.3	28.9

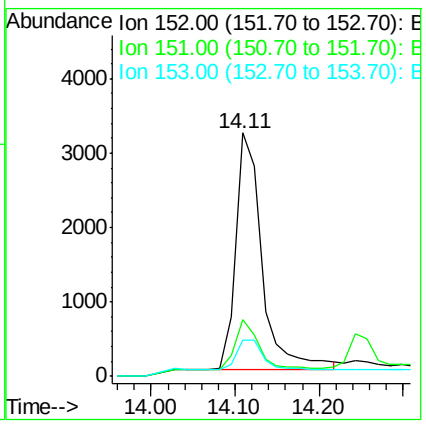




#16
Acenaphthylene
Concen: 0.13 ng m
RT: 14.11 min Scan# 797
Delta R.T. -0.01 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion:152 Resp: 6941

Ion	Ratio	Lower	Upper
152	100		
151	19.1	3.9	5.9#
153	19.3	10.3	15.5#



Instrument :
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ClientSampleId :
NC-TS-002

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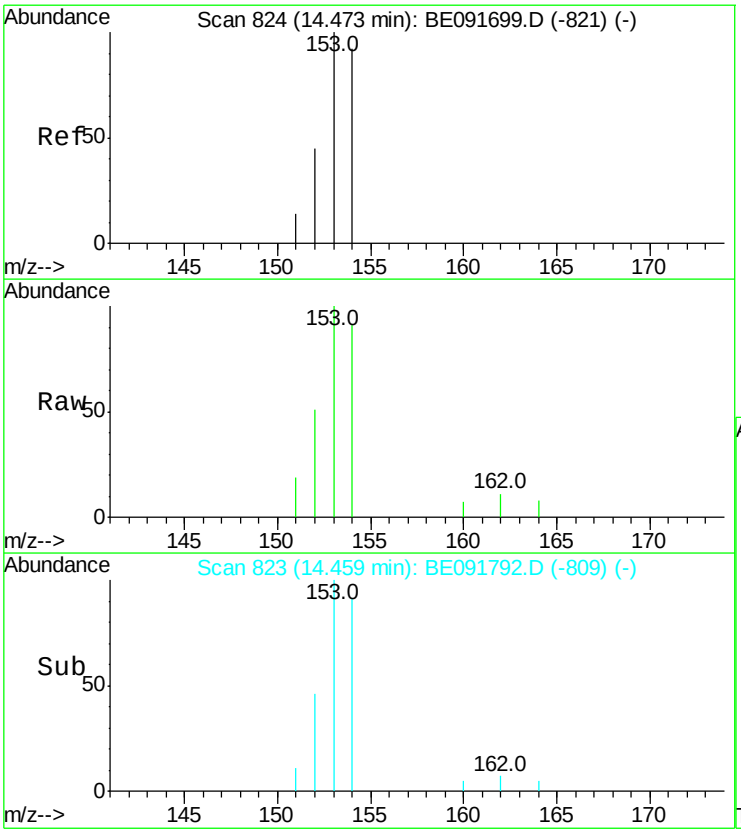
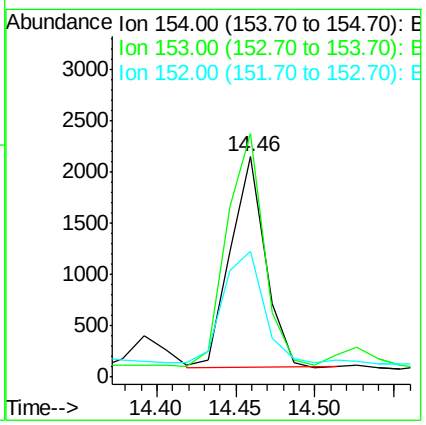
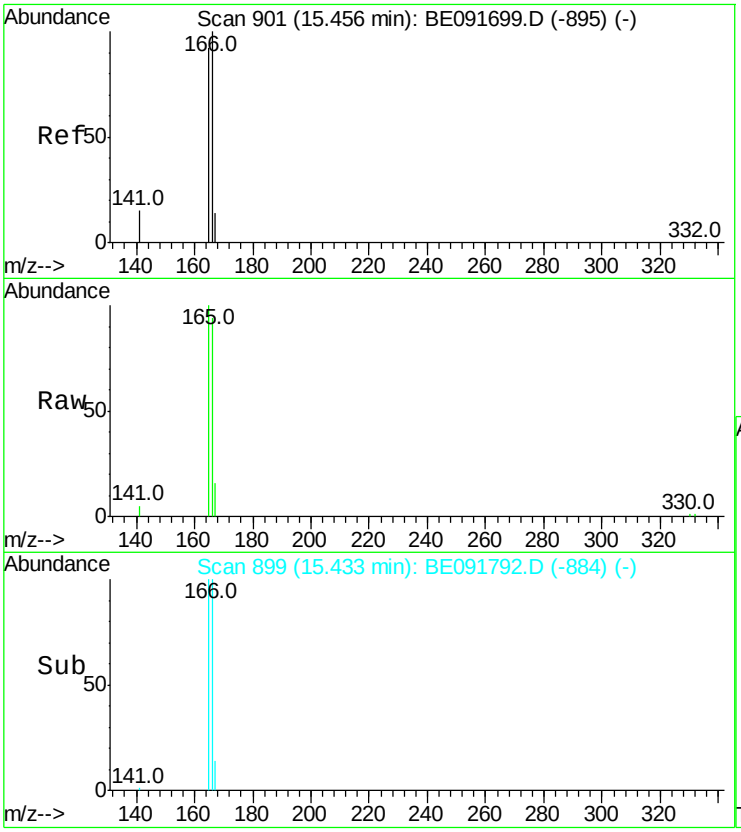


#17
Acenaphthene
Concen: 0.09 ng
RT: 14.46 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion:154 Resp: 3160

Ion	Ratio	Lower	Upper
154	100		
153	118.8	80.0	120.0
152	64.7	40.0	60.0#

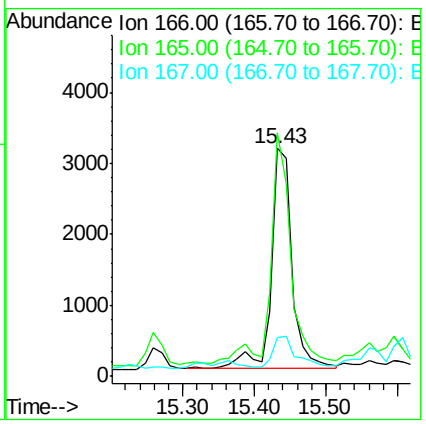




#18
Fluorene
Concen: 0.15 ng
RT: 15.43 min Scan# 899
Delta R.T. -0.02 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion:166 Resp: 6268

Ion	Ratio	Lower	Upper
166	100		
165	101.0	80.8	121.2
167	15.0	10.9	16.3



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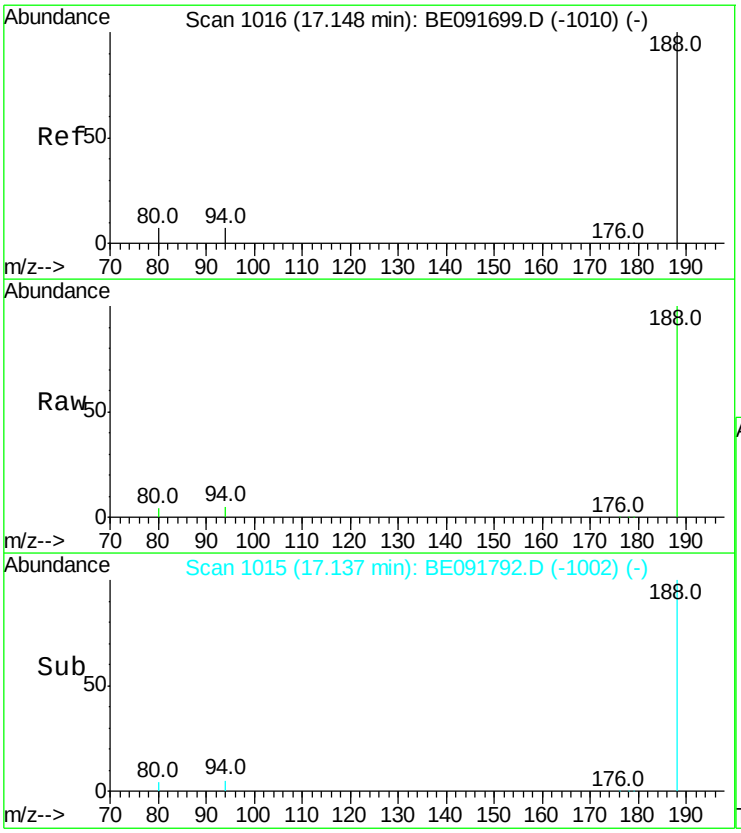
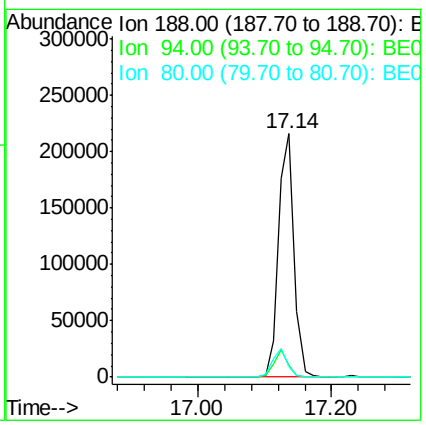
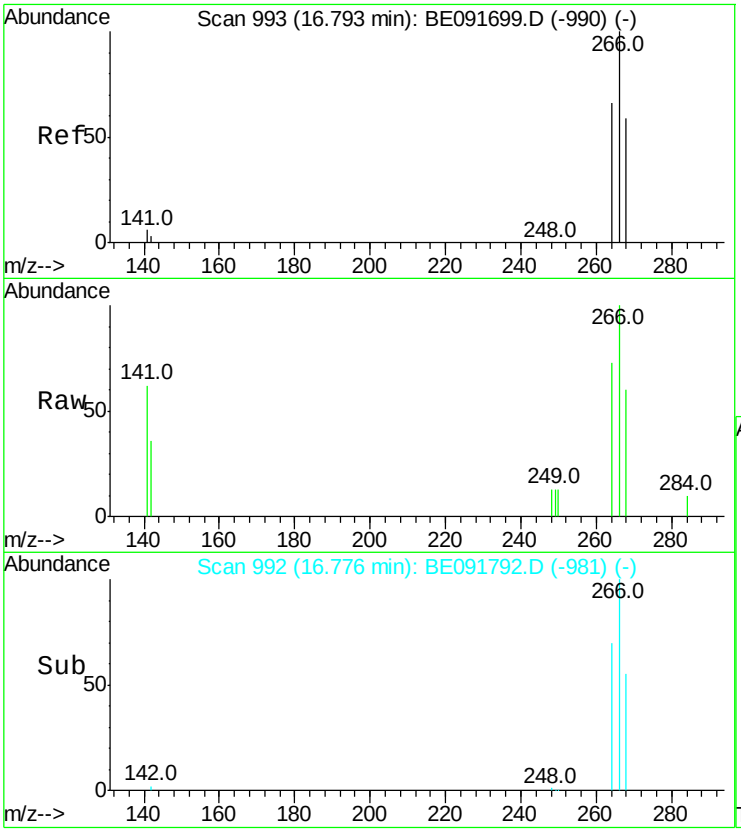


#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.14 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion:188 Resp: 387137

Ion	Ratio	Lower	Upper
188	100		
94	5.0	8.7	13.1#
80	4.2	9.4	14.0#

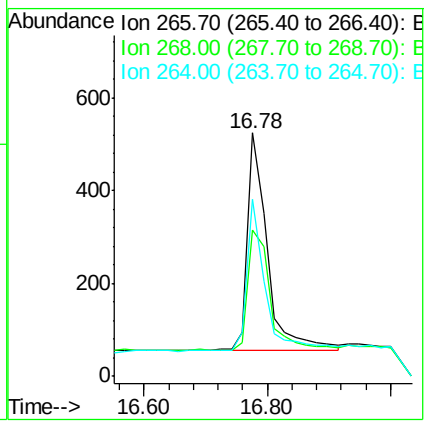




#22
Pentachlorophenol
Concen: 0.24 ng
RT: 16.78 min Scan# 992
Delta R.T. -0.02 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion:266 Resp: 1060

Ion	Ratio	Lower	Upper
266	100		
268	60.1	58.2	87.2
264	72.9	56.2	84.4



Instrument :
BNA_E
ClientSampleId :
NC-TS-002

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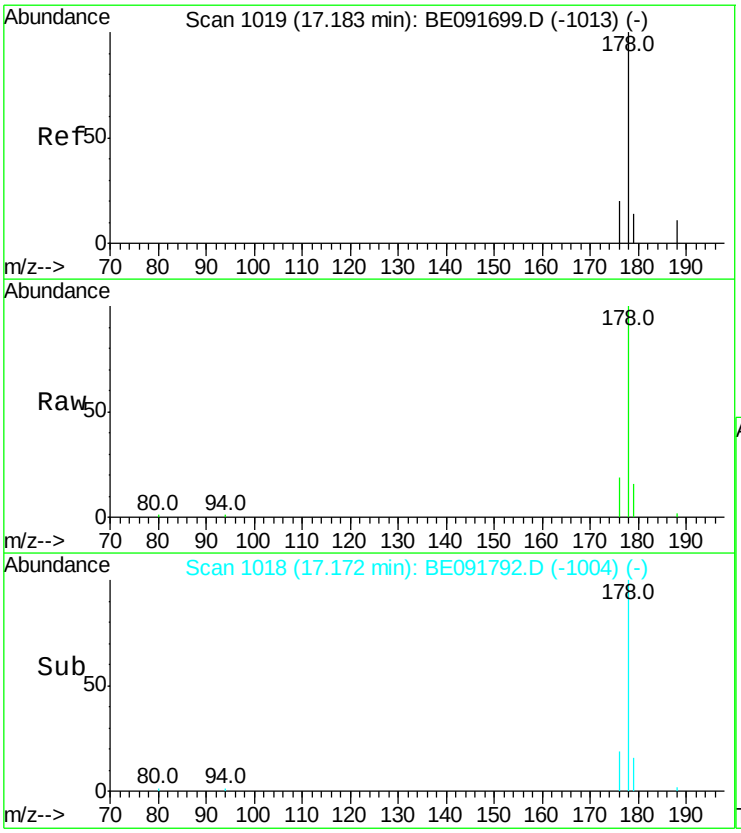
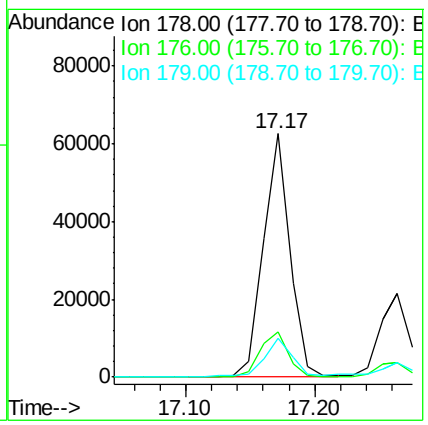
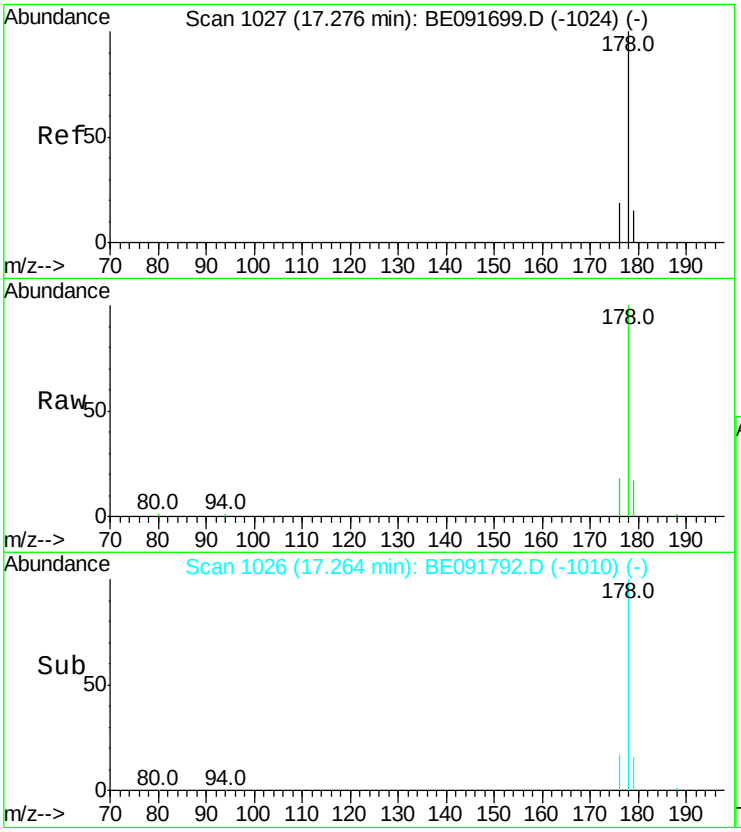


#23
Phenanthrene
Concen: 1.02 ng
RT: 17.17 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion:178 Resp: 89951

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	16.3	12.6	18.8

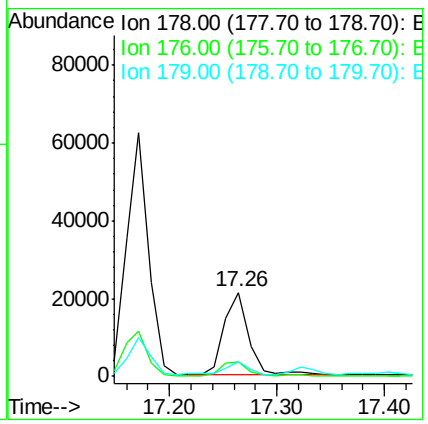




#24
Anthracene
Concen: 0.43 ng
RT: 17.26 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion:178 Resp: 33916

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	15.5	11.8	17.6



Instrument :
BNA_E
ClientSampleId :
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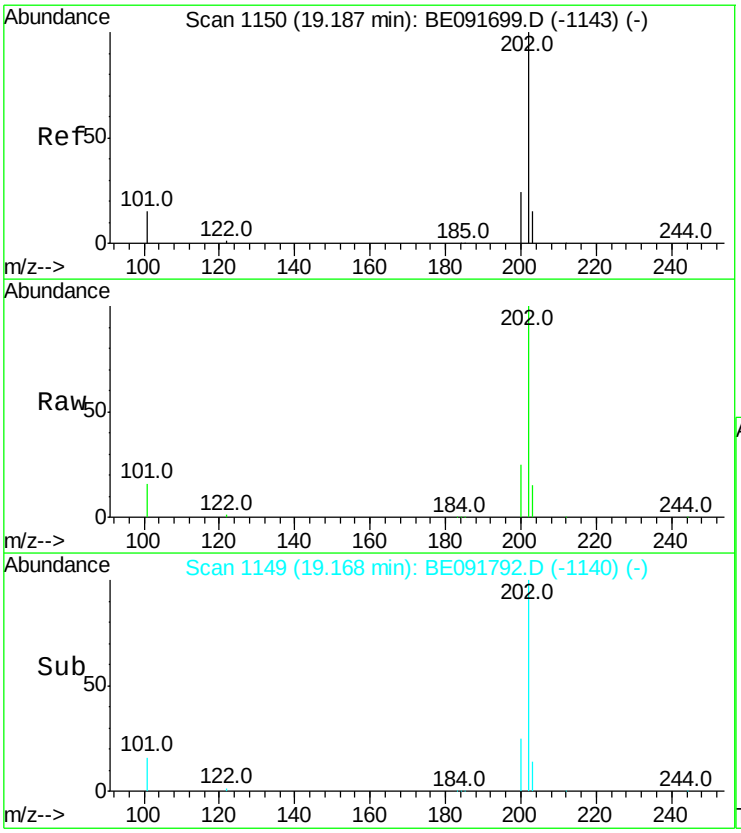
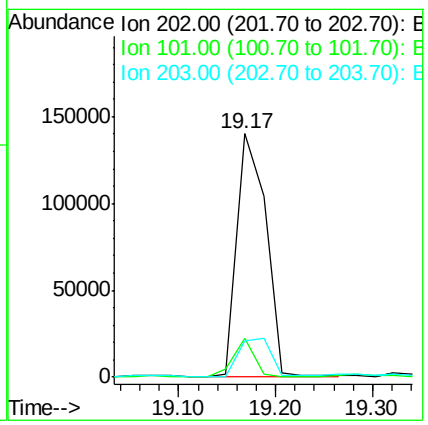
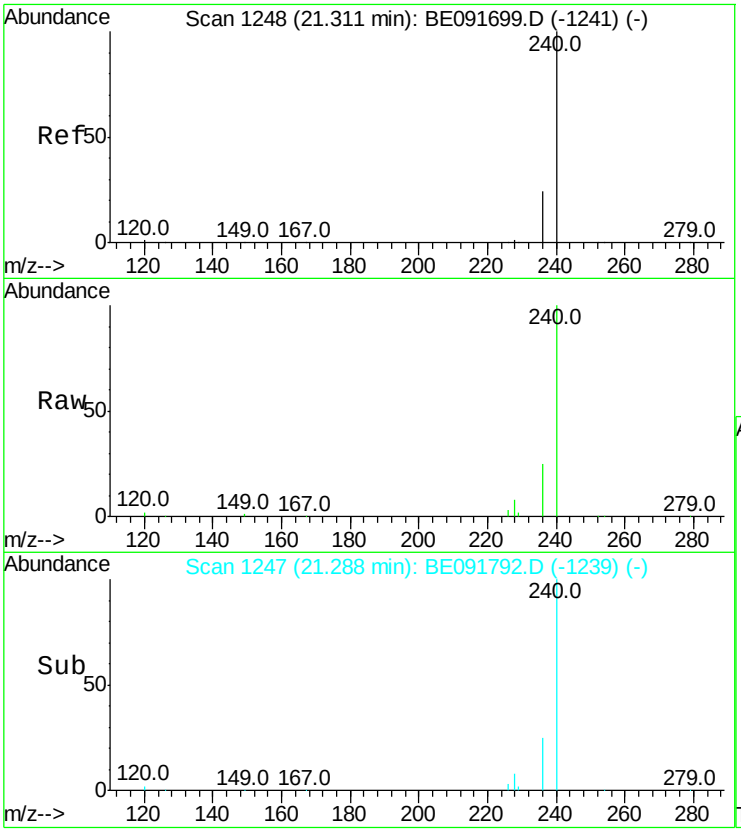


#25
Fluoranthene
Concen: 3.13 ng
RT: 19.17 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion:202 Resp: 287420

Ion	Ratio	Lower	Upper
202	100		
101	11.3	11.0	16.6
203	17.4	13.9	20.9





#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion:240 Resp: 452812

Ion	Ratio	Lower	Upper
240	100		
120	2.2	11.0	16.4#
236	25.4	21.7	32.5

Instrument :
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ClientSampleId :
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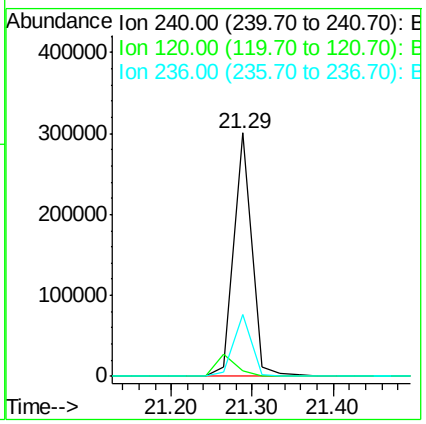
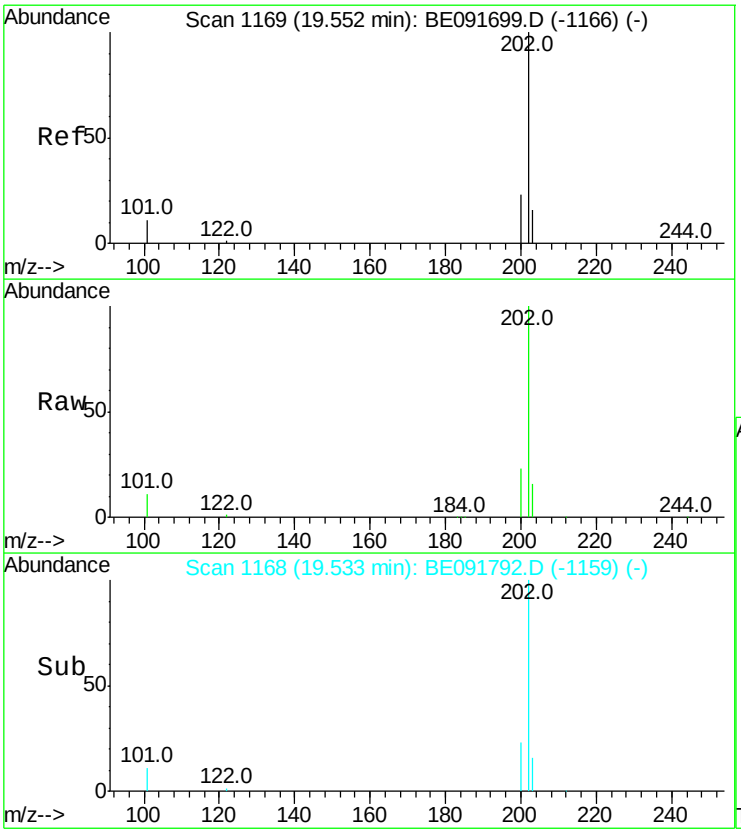
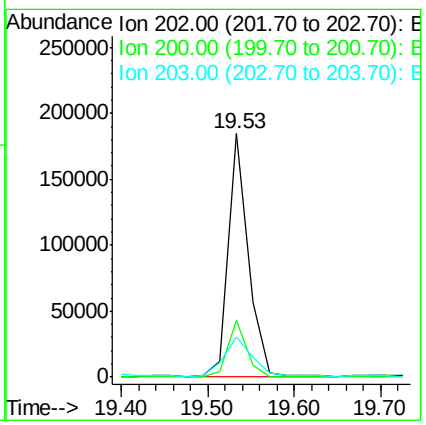


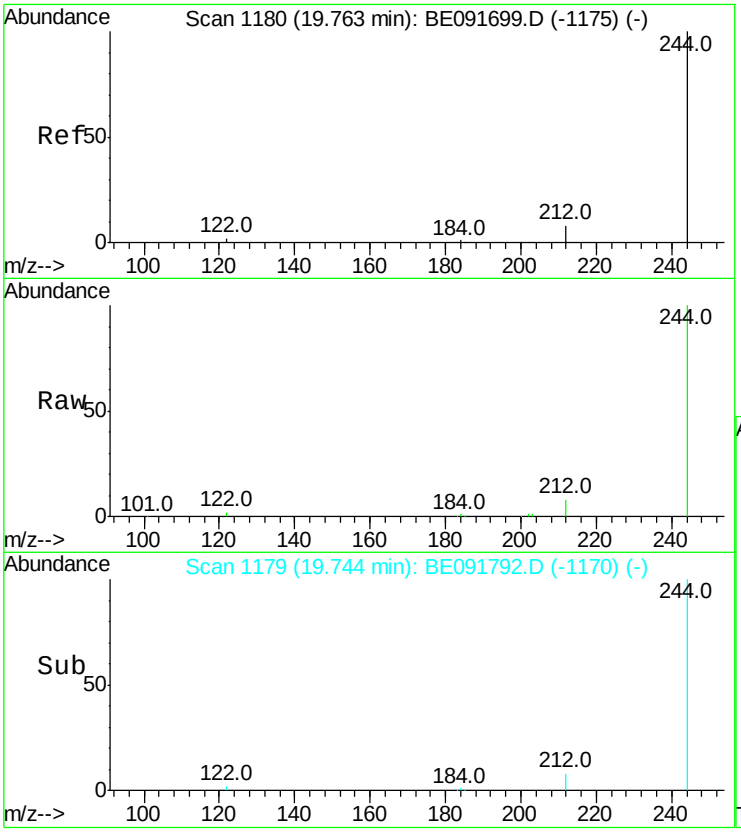


#28
Pyrene
Concen: 2.91 ng
RT: 19.53 min Scan# 1168
Delta R.T. -0.02 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion:202 Resp: 298037

Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.8	25.2
203	23.2	14.0	21.0#





#29
Terphenyl-d14
Concen: 2.64 ng
RT: 19.74 min Scan# 1179
Delta R.T. -0.02 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion:244 Resp: 186735

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.9	10.3
122	2.5	11.0	16.4#

Instrument :
BNA_E
ClientSampleId :
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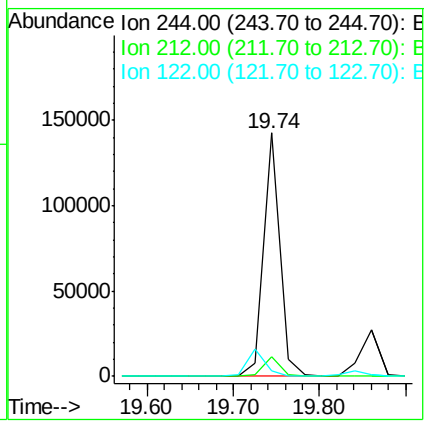
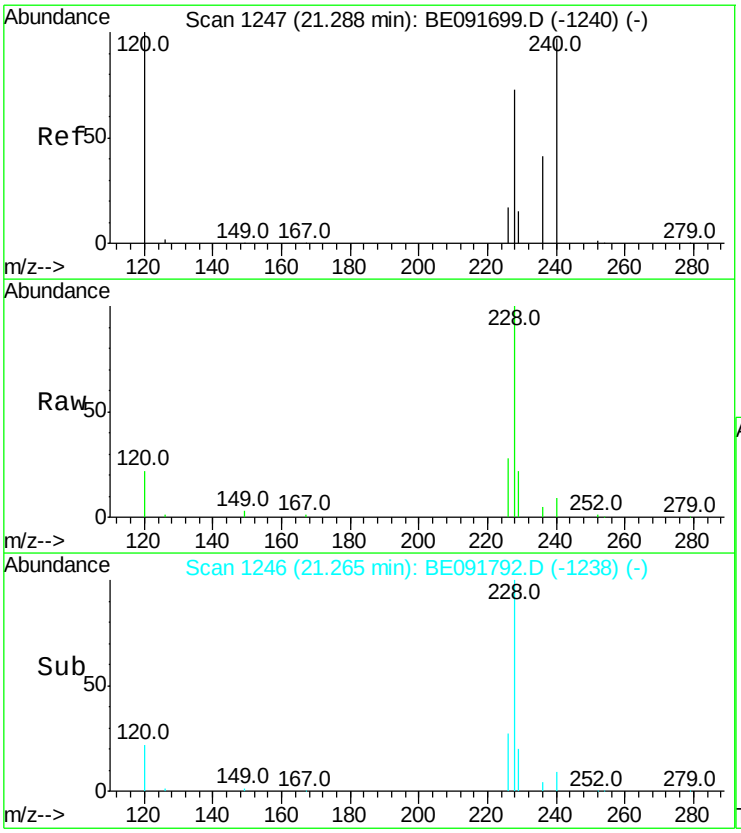
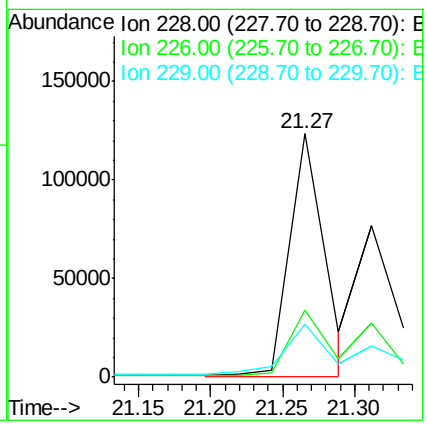


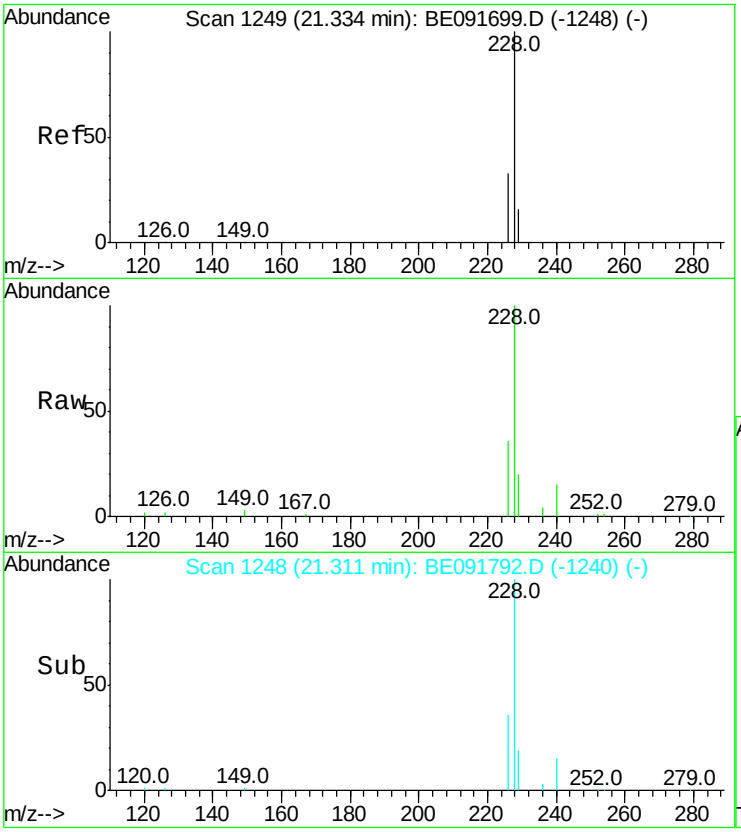


#30
Benzo(a)anthracene
Concen: 1.90 ng m
RT: 21.27 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion:228 Resp: 209709

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.0	31.4
229	21.6	15.7	23.5

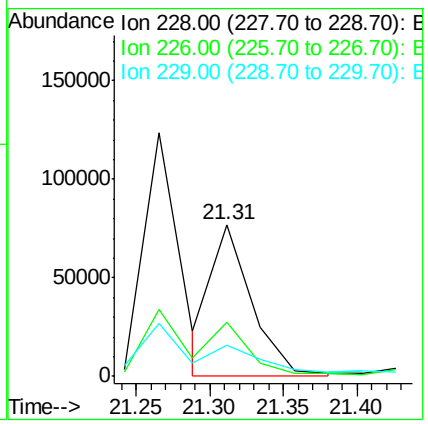




#32
Chrysene
Concen: 1.28 ng m
RT: 21.31 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion:228 Resp: 146805

Ion	Ratio	Lower	Upper
228	100		
226	36.1	24.0	36.0#
229	20.2	15.9	23.9



Instrument :
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ClientSampleId :
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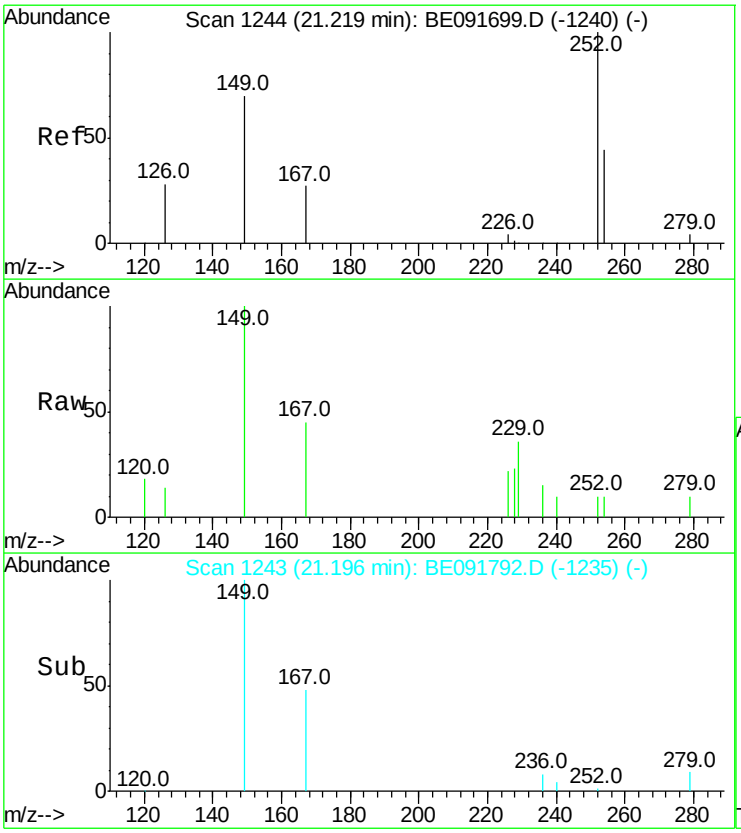
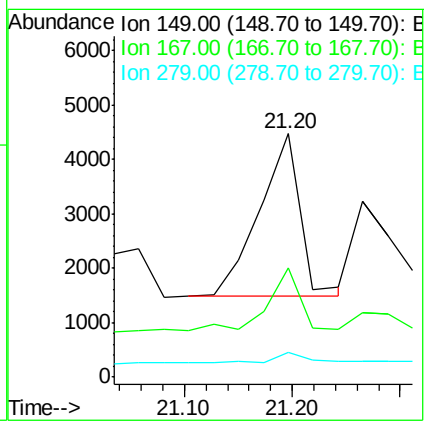
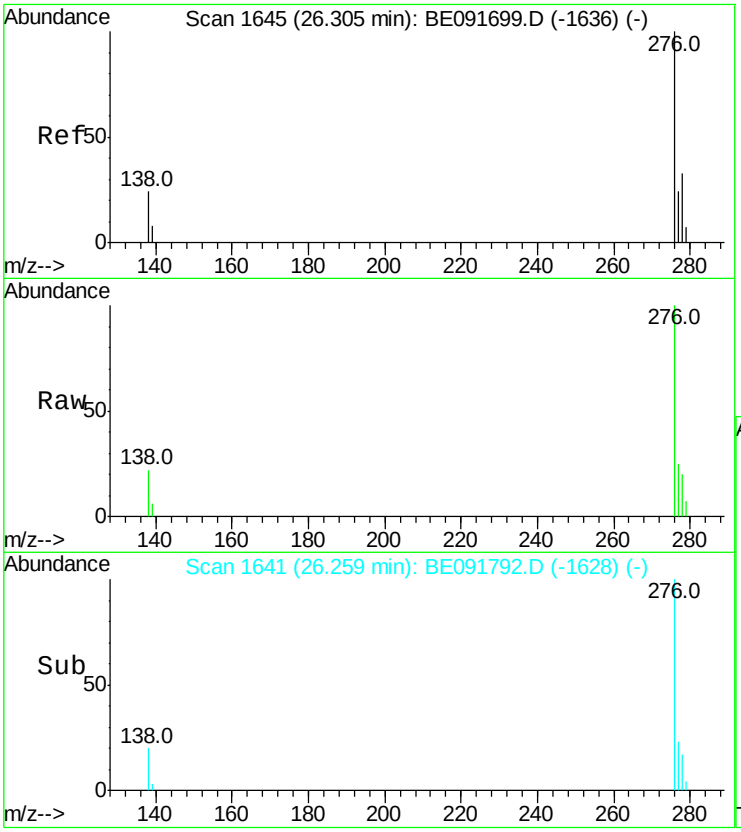


#33
Bis(2-ethylhexyl)phthalate
Concen: 0.23 ng
RT: 21.20 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion:149 Resp: 7847

Ion	Ratio	Lower	Upper
149	100		
167	30.4	19.5	29.3#
279	9.5	10.0	15.0#

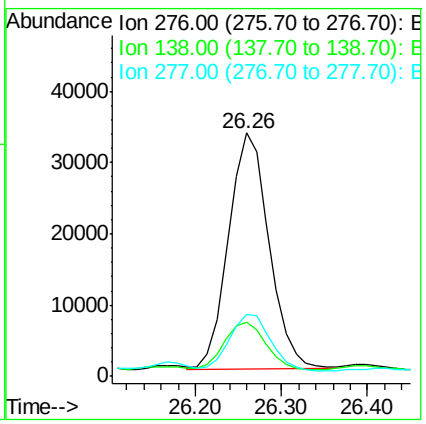




#34
Indeno(1,2,3-cd)pyrene
Concen: 1.06 ng
RT: 26.26 min Scan# 1641
Delta R.T. -0.05 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion:276 Resp: 108607

Ion	Ratio	Lower	Upper
276	100		
138	20.6	23.4	35.2#
277	24.3	19.8	29.8



Instrument :
BNA_E
ClientSampleId :
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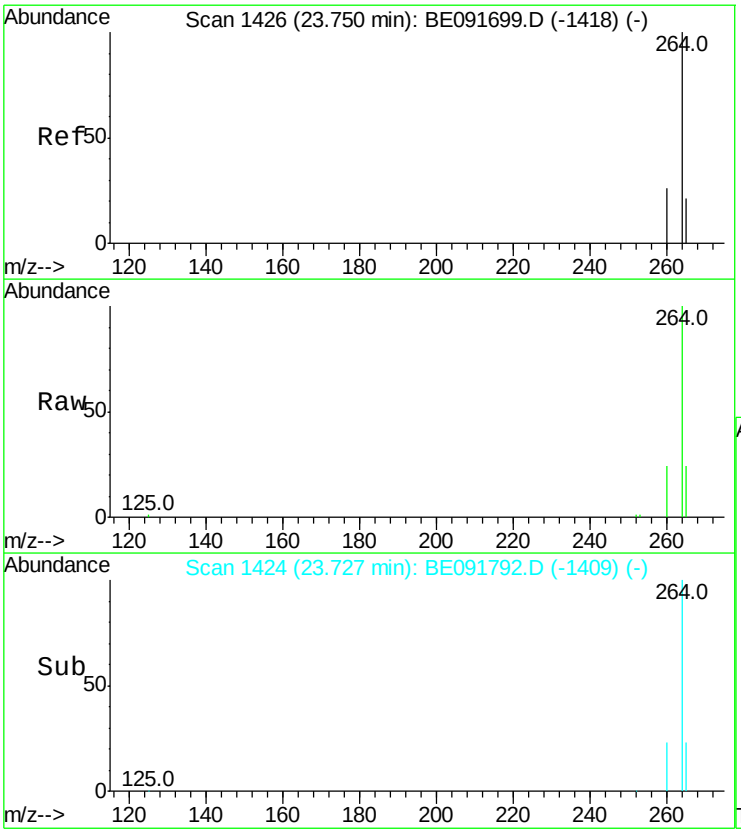
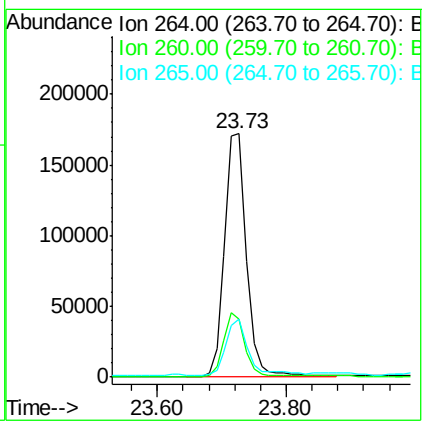
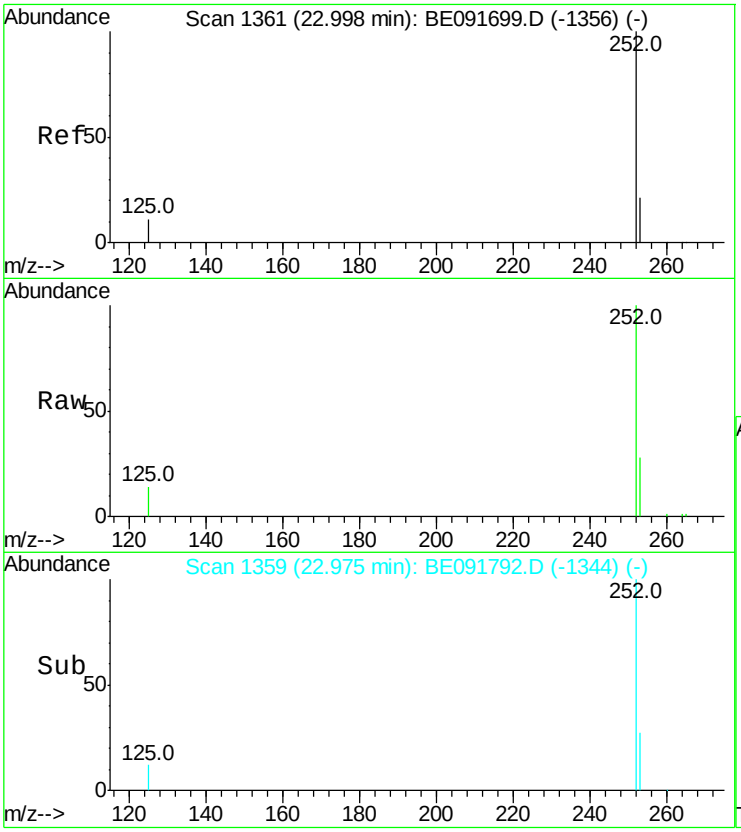


#35
Perylene-d12
Concen: 5.00 ng
RT: 23.73 min Scan# 1424
Delta R.T. -0.02 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion:264 Resp: 399399

Ion	Ratio	Lower	Upper
264	100		
260	23.7	20.0	30.0
265	23.7	17.5	26.3

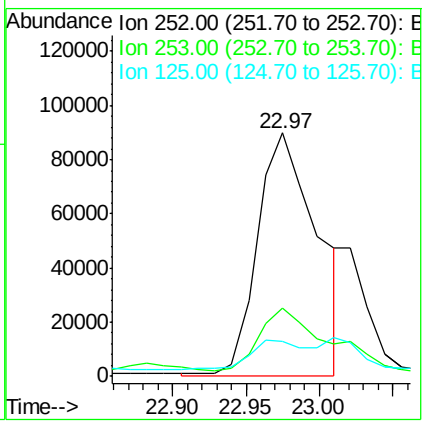




#36
Benzo(b)fluoranthene
Concen: 2.74 ng m
RT: 22.97 min Scan# 1359
Delta R.T. -0.02 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion:252 Resp: 256140

Ion	Ratio	Lower	Upper
252	100		
253	28.0	17.4	26.0#
125	14.5	10.2	15.2



Instrument :
BNA_E
ClientSampleId :
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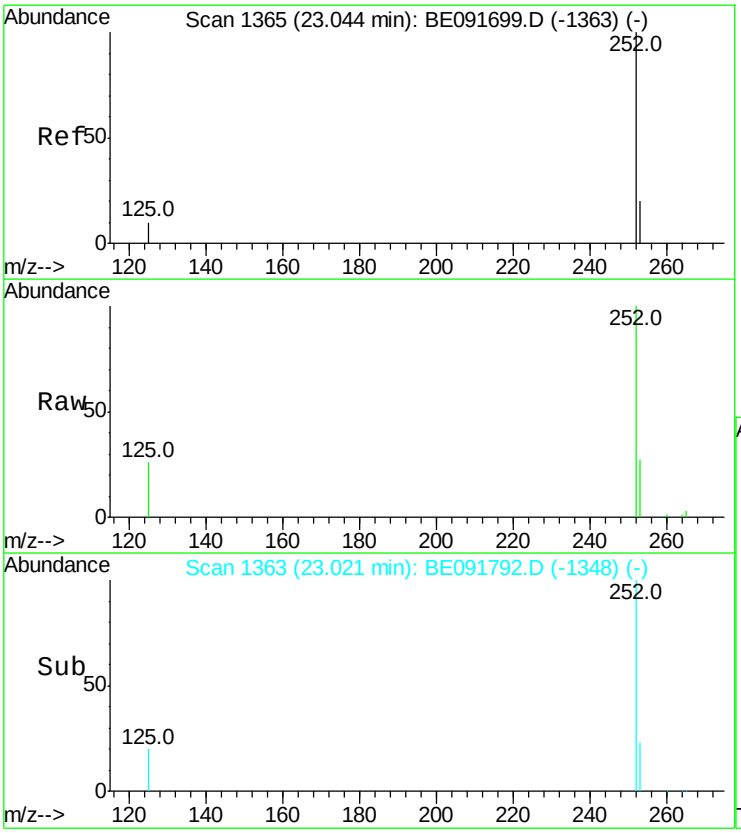
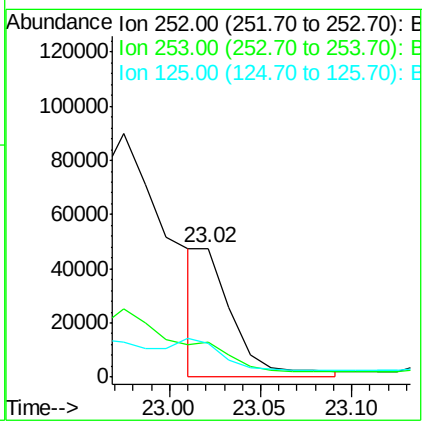
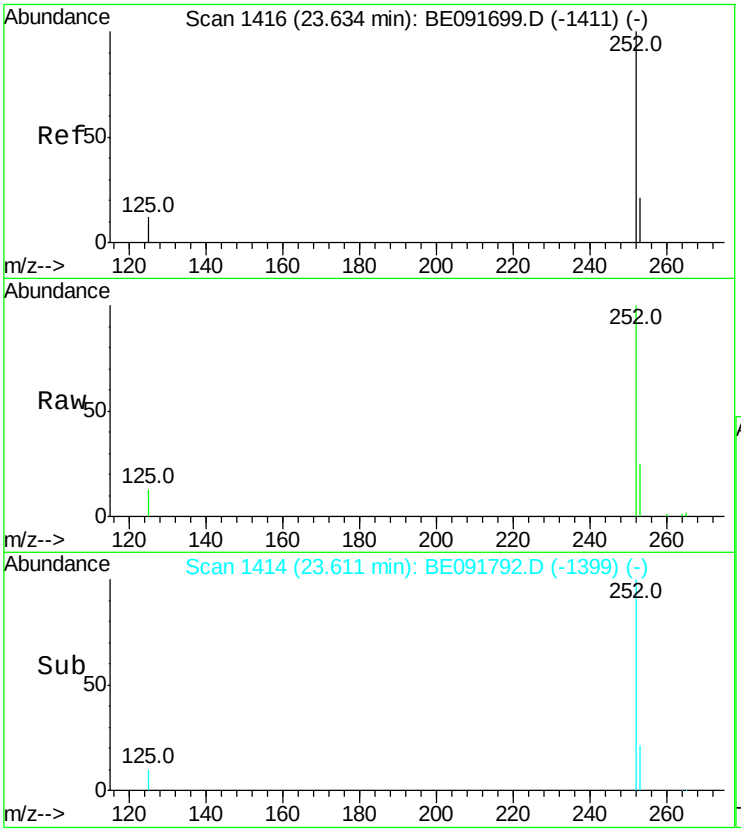


#37
Benzo(k)fluoranthene
Concen: 0.67 ng m
RT: 23.02 min Scan# 1363
Delta R.T. -0.02 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion:252 Resp: 63929

Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.6	26.4#
125	25.8	9.9	14.9#





#38
Benzo(a)pyrene
Concen: 1.80 ng
RT: 23.61 min Scan# 1414
Delta R.T. -0.02 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion:252 Resp: 158708

Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.1	27.1
125	12.8	11.0	16.4

Instrument :
BNA_E
ClientSampleId :
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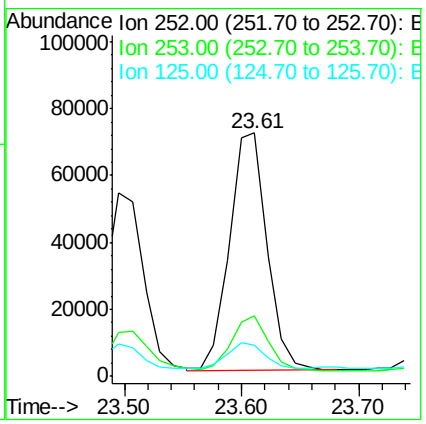
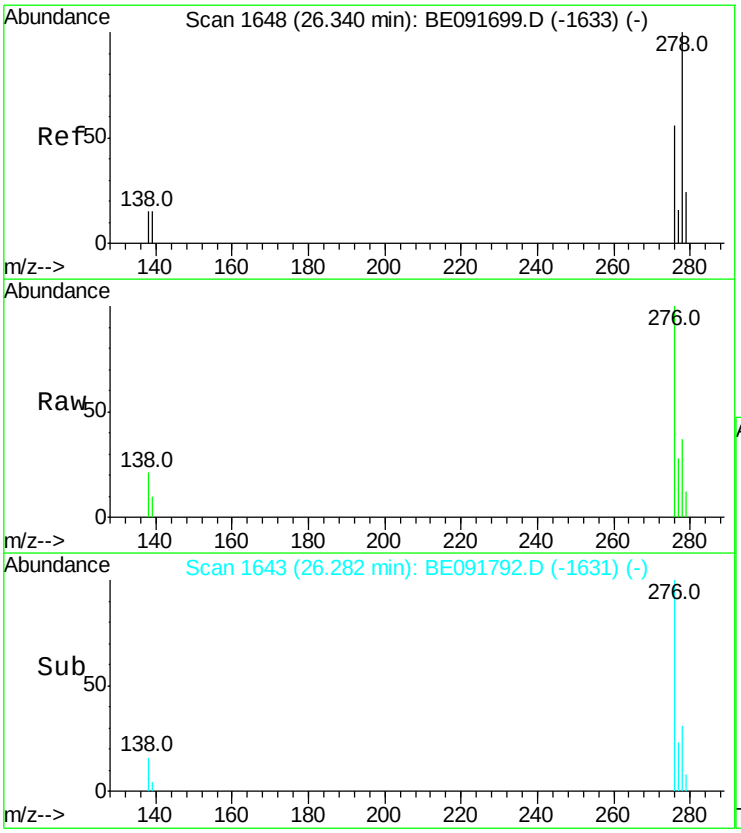
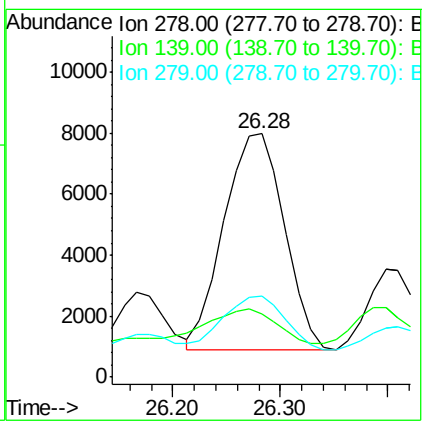


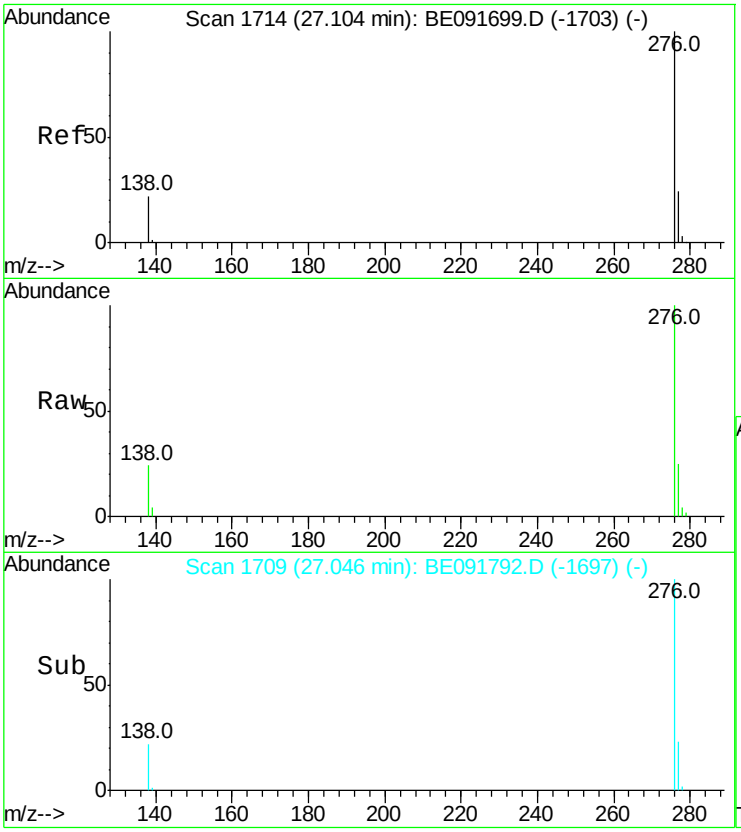


#39
Dibenzo(a,h)anthracene
Concen: 0.33 ng
RT: 26.28 min Scan# 1643
Delta R.T. -0.06 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion:278 Resp: 27502

Ion	Ratio	Lower	Upper
278	100		
139	26.1	16.0	24.0#
279	33.5	19.4	29.2#

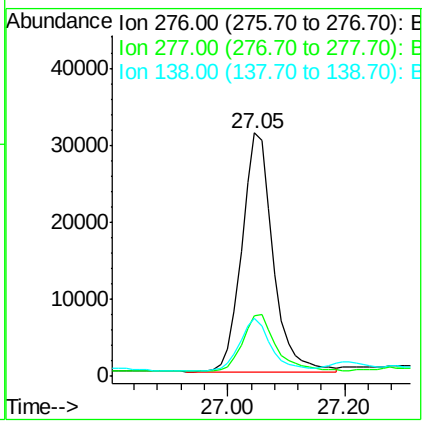




#40
Benzo(g,h,i)perylene
Concen: 1.34 ng
RT: 27.05 min Scan# 1709
Delta R.T. -0.06 min
Lab File: BE091792.D
Acq: 18 May 2016 16:57

Tgt Ion:276 Resp: 113682

Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	23.8	20.4	30.6



Instrument :
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ClientSampleId :
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