Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\Data\BE051916\
Data File : BE091832.D
Acq On : 20 May 2016 6:00
Operator : UM/SJ
Sample : H3115-01RE
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : NC-TS-002RE

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Quant Time: May 20 09:00:06 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 19 15:36:49 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	39634	5.00	ng		-0.02
7) Naphthalene-d8	10.57	136	204210	5.00	ng		0.00
13) Acenaphthene-d10	14.40	164	123738	5.00	ng		-0.01
19) Phenanthrene-d10	17.14	188	324828	5.00	ng		-0.01
26) Chrysene-d12	21.29	240	354634	5.00	ng		-0.02
35) Perylene-d12	23.73	264	333483	5.00	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	53925	5.21	ng		0.00
5) Phenol-d6	6.95	99	87818	6.02	ng		0.00
8) Nitrobenzene-d5	8.95	82	37863	2.80	ng		0.00
14) 2,4,6-Tribromophenol	15.89	330	26333	5.48	ng		-0.01
15) 2-Fluorobiphenyl	13.02	172	99860	2.85	ng		-0.01
29) Terphenyl-d14	19.74	244	148901	2.97	ng		-0.02
Target Compounds							Qvalue
10) Naphthalene	10.61	128	1581	0.03	ng	#	84
12) 2-Methylnaphthalene	12.22	142	1254	0.04	ng		94
16) Acenaphthylene	14.12	152	6661	0.12	ng	#	49
17) Acenaphthene	14.46	154	3075	0.09	ng		89
18) Fluorene	15.45	166	5147	0.12	ng	#	96
23) Phenanthrene	17.17	178	77101	1.13	ng		99
24) Anthracene	17.26	178	28035	0.40	ng		97
25) Fluoranthene	19.19	202	242163	2.80	ng		97
28) Pyrene	19.55	202	238606	3.07	ng	#	94
30) Benzo(a)anthracene	21.27	228	158354m	1.85	ng		
32) Chrysene	21.31	228	127004m	1.76	ng		
33) Bis(2-ethylhexyl)phthalate	21.20	149	9064	0.42	ng	#	85
34) Indeno(1,2,3-cd)pyrene	26.27	276	92745	1.06	ng	#	93
36) Benzo(b)fluoranthene	22.97	252	197687m	2.37	ng		
37) Benzo(k)fluoranthene	23.02	252	72824m	0.85	ng		
38) Benzo(a)pyrene	23.61	252	136928	1.72	ng		98
39) Dibenzo(a,h)anthracene	26.29	278	24036	0.31	ng	#	81
40) Benzo(g,h,i)perylene	27.07	276	96769	1.21	ng		95

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

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BNA_E
ClientSampleId :
NC-TS-002RE

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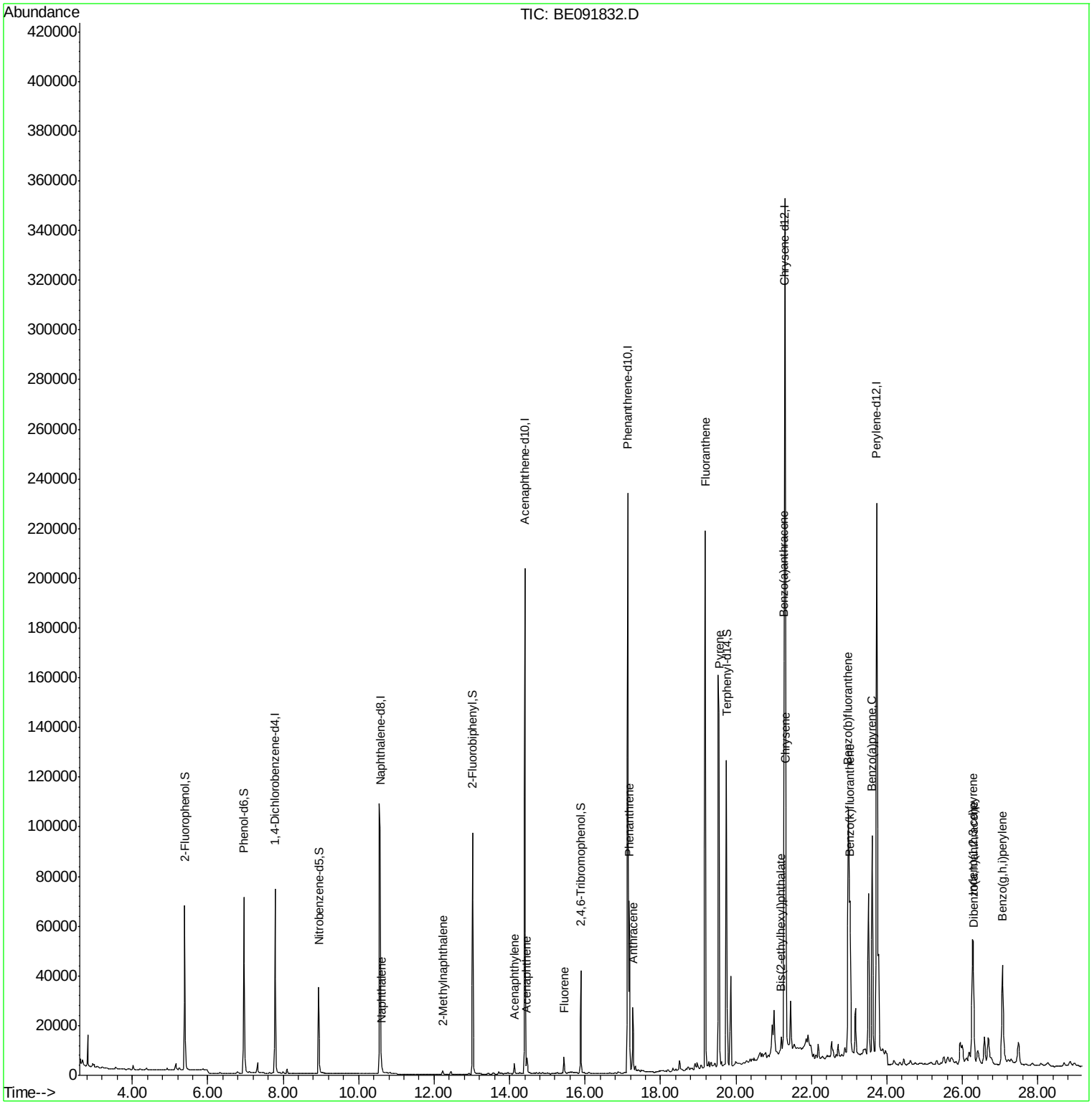
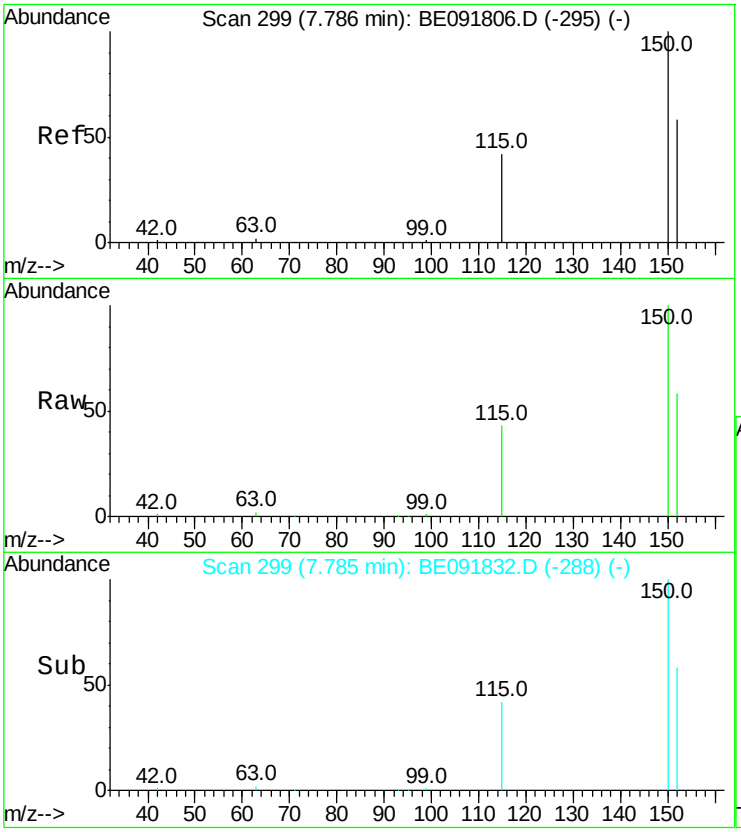
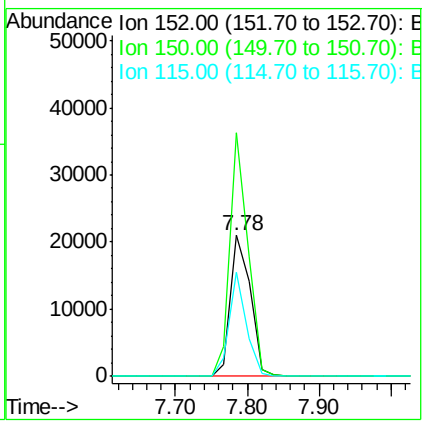




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.78 min Scan# 299
Delta R.T. -0.02 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion:152 Resp: 39634

Ion	Ratio	Lower	Upper
152	100		
150	172.5	122.6	183.8
115	73.5	52.8	79.2



Instrument :
BNA_E
ClientSampleId :
NC-TS-002RE

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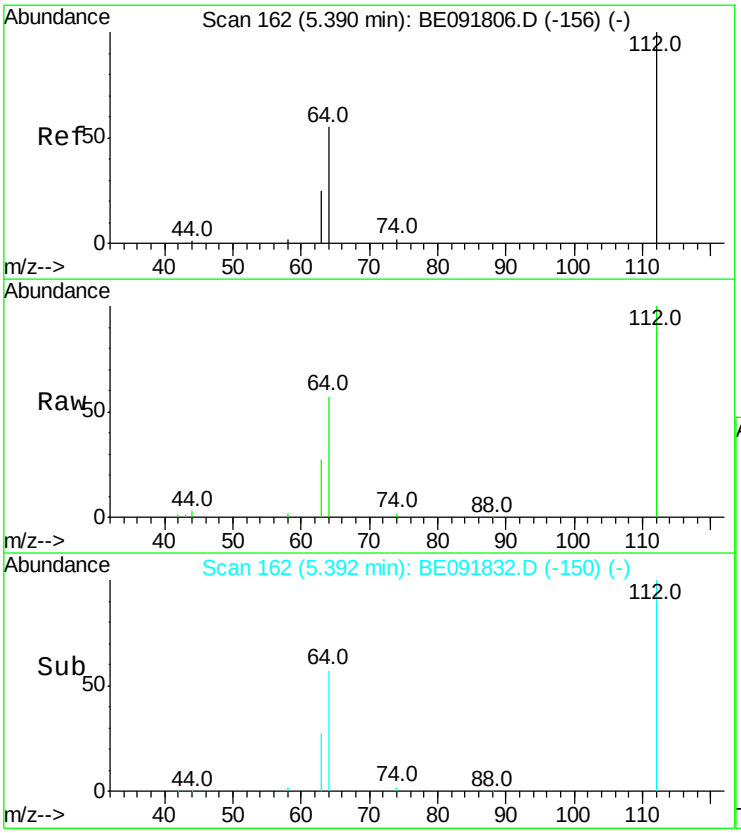
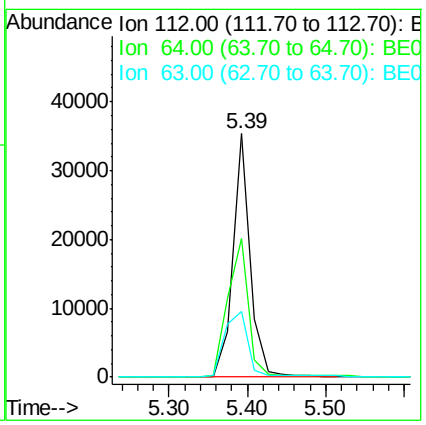
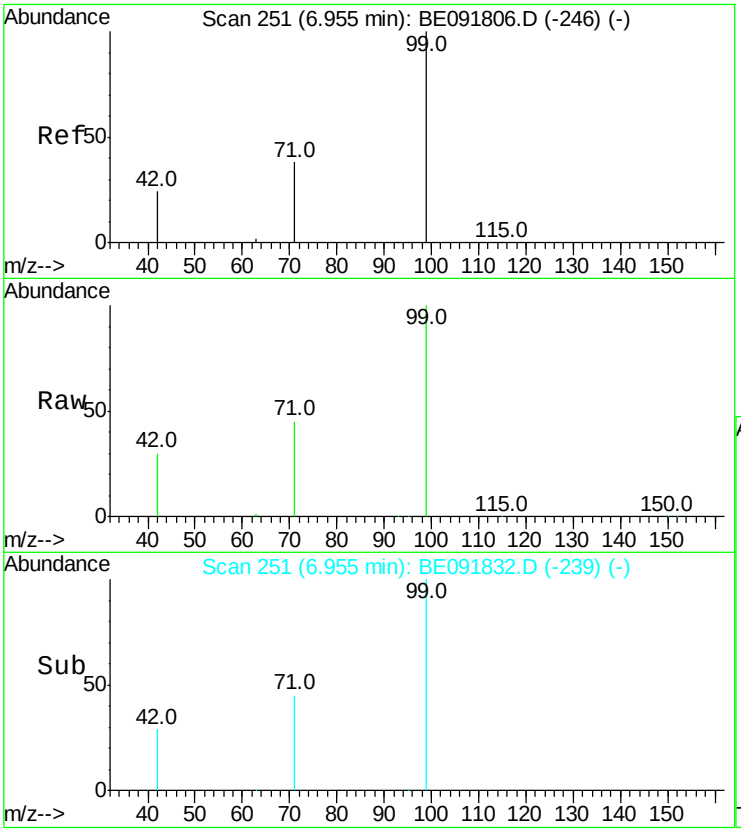


#4
2-Fluorophenol
Concen: 5.21 ng
RT: 5.39 min Scan# 162
Delta R.T. 0.00 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion:112 Resp: 53925

Ion	Ratio	Lower	Upper
112	100		
64	67.0	30.9	46.3#
63	36.0	16.7	25.1#

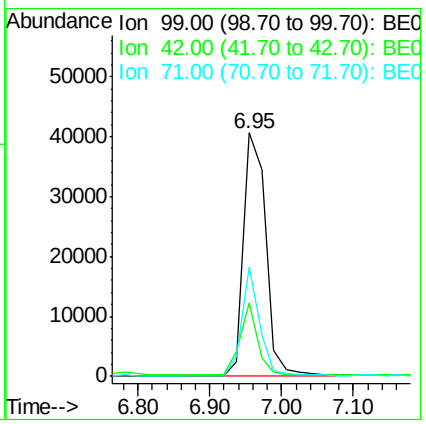




#5
Phenol-d6
Concen: 6.02 ng
RT: 6.95 min Scan# 251
Delta R.T. -0.00 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion: 99 Resp: 87818

Ion	Ratio	Lower	Upper
99	100		
42	22.9	16.2	24.2
71	35.6	29.0	43.4



Instrument :
BNA_E
ClientSampleId :
NC-TS-002RE

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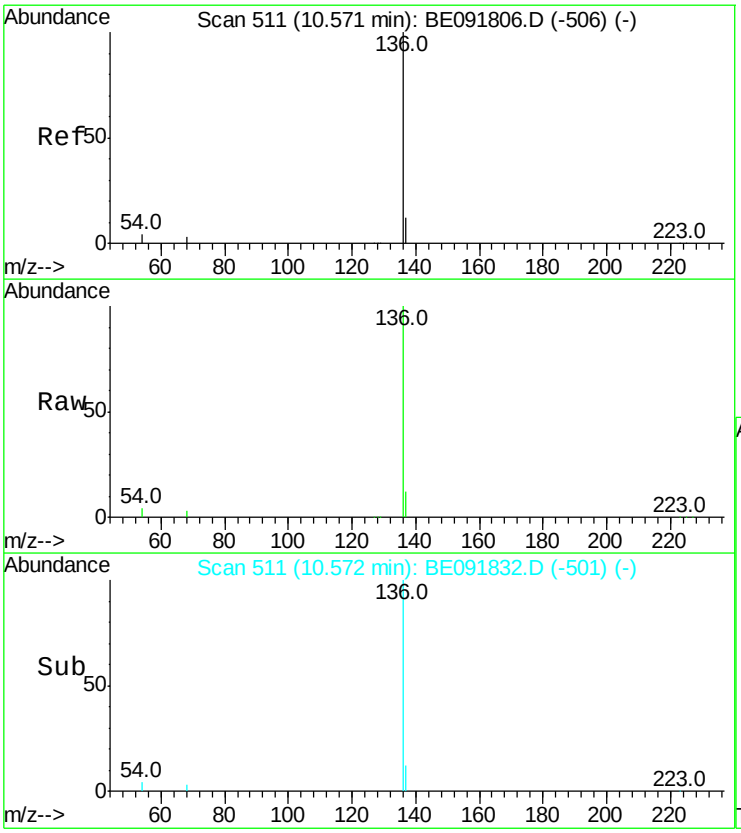
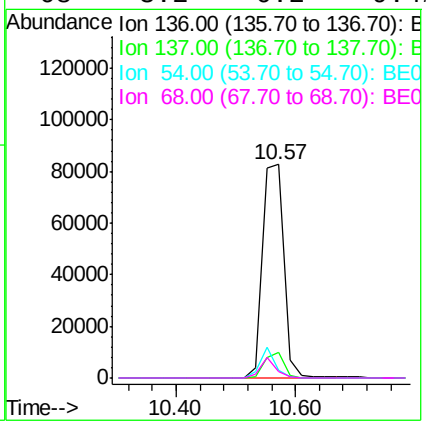
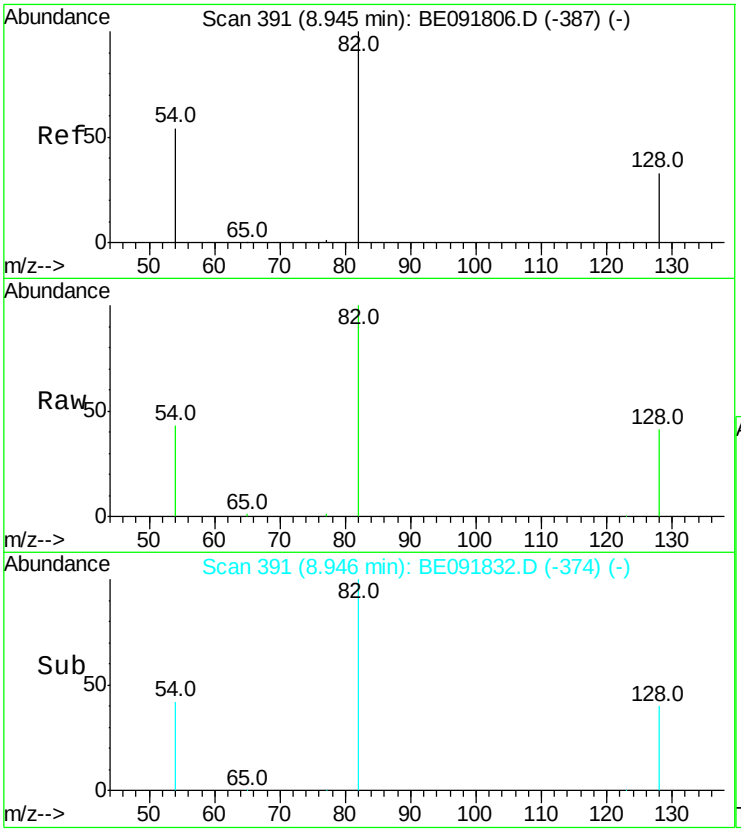


#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.57 min Scan# 511
Delta R.T. 0.00 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion:136 Resp: 204210

Ion	Ratio	Lower	Upper
136	100		
137	12.2	8.9	13.3
54	3.7	8.2	12.4#
68	3.2	6.2	9.4#

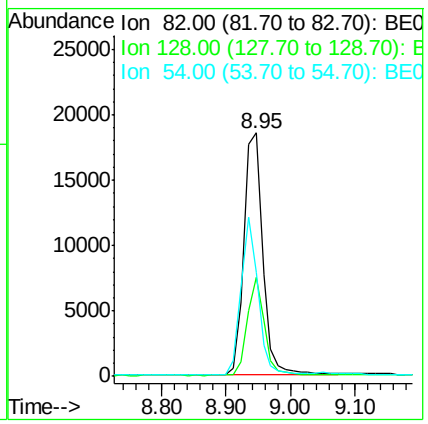




#8
Nitrobenzene-d5
Concen: 2.80 ng
RT: 8.95 min Scan# 391
Delta R.T. -0.00 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion: 82 Resp: 37863

Ion	Ratio	Lower	Upper
82	100		
128	40.7	25.4	38.0#
54	42.7	48.4	72.6#



Instrument :
BNA_E
ClientSampleId :
NC-TS-002RE

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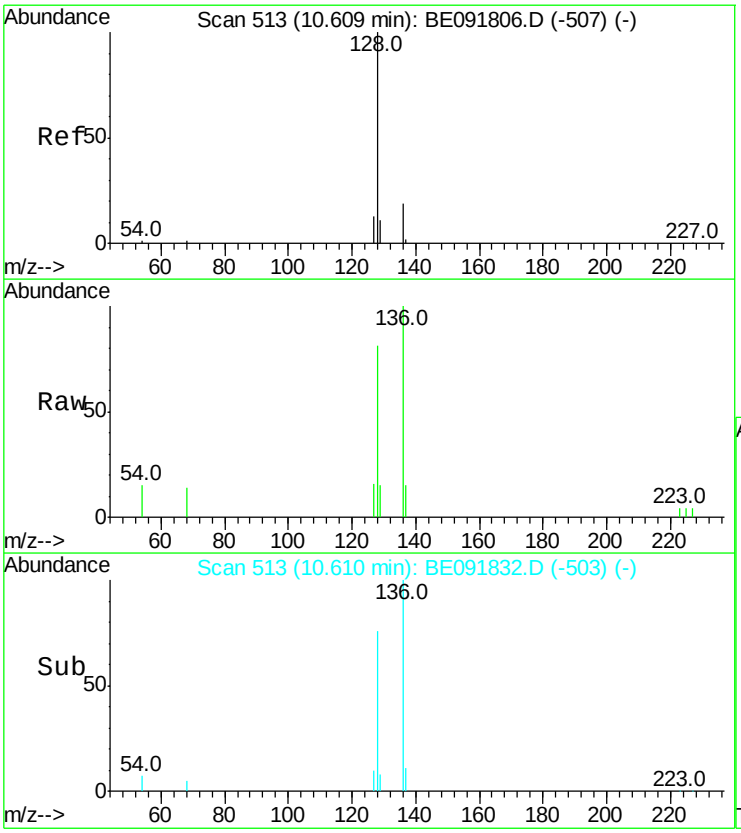
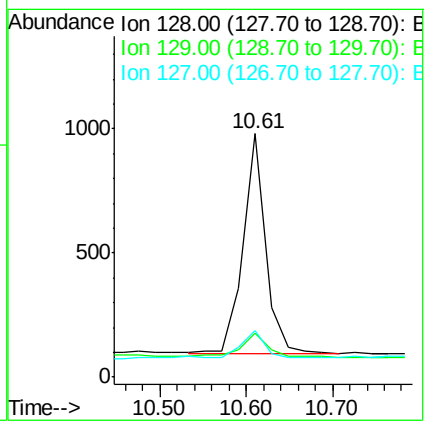
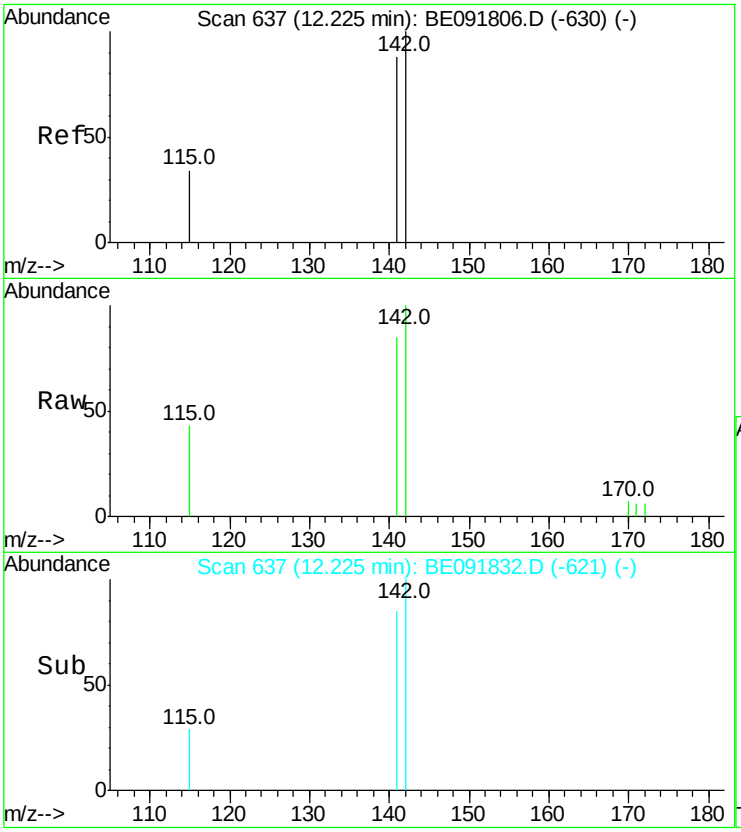


#10
Naphthalene
Concen: 0.03 ng
RT: 10.61 min Scan# 513
Delta R.T. 0.00 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion:128 Resp: 1581

Ion	Ratio	Lower	Upper
128	100		
129	18.2	9.3	13.9#
127	19.3	10.7	16.1#

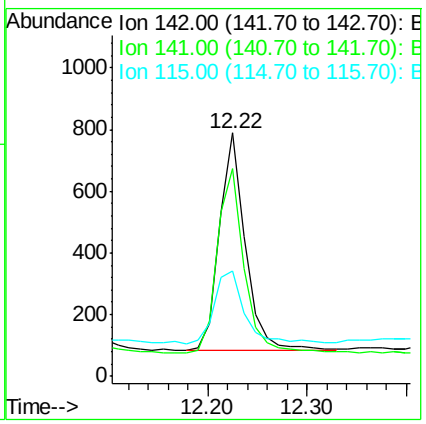




#12
2-Methylnaphthalene
Concen: 0.04 ng
RT: 12.22 min Scan# 637
Delta R.T. -0.01 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion:142 Resp: 1254

Ion	Ratio	Lower	Upper
142	100		
141	85.2	71.4	107.0
115	43.2	30.3	45.5



Instrument :
BNA_E
ClientSampleId :
NC-TS-002RE

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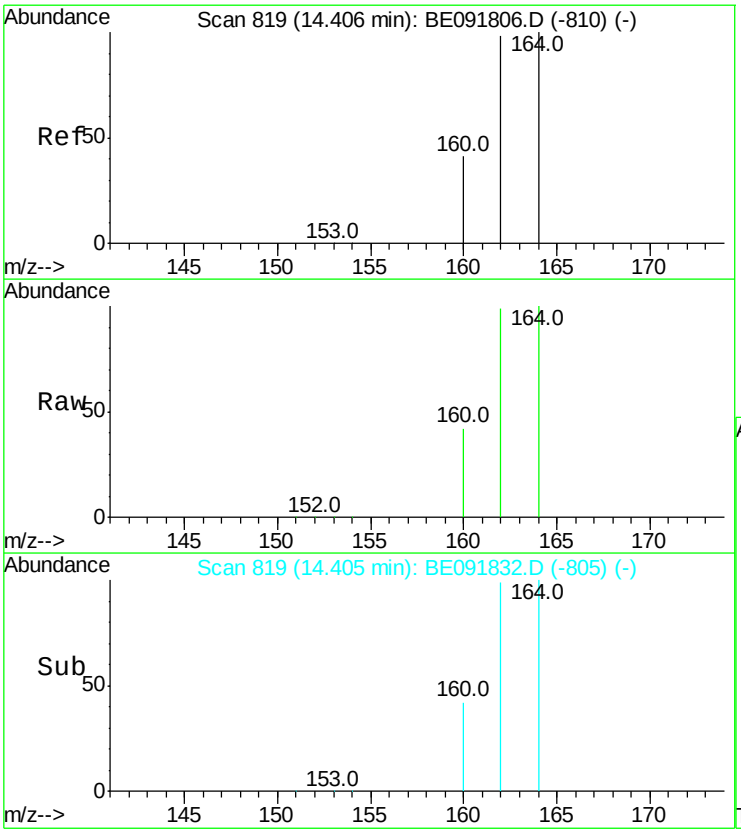
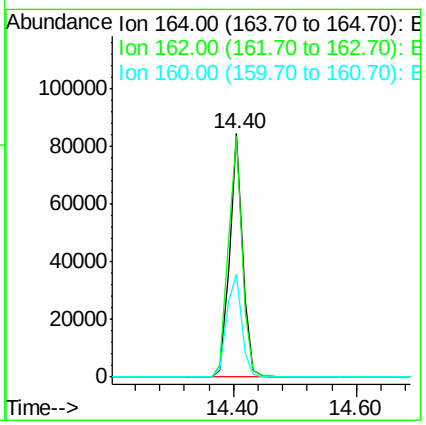
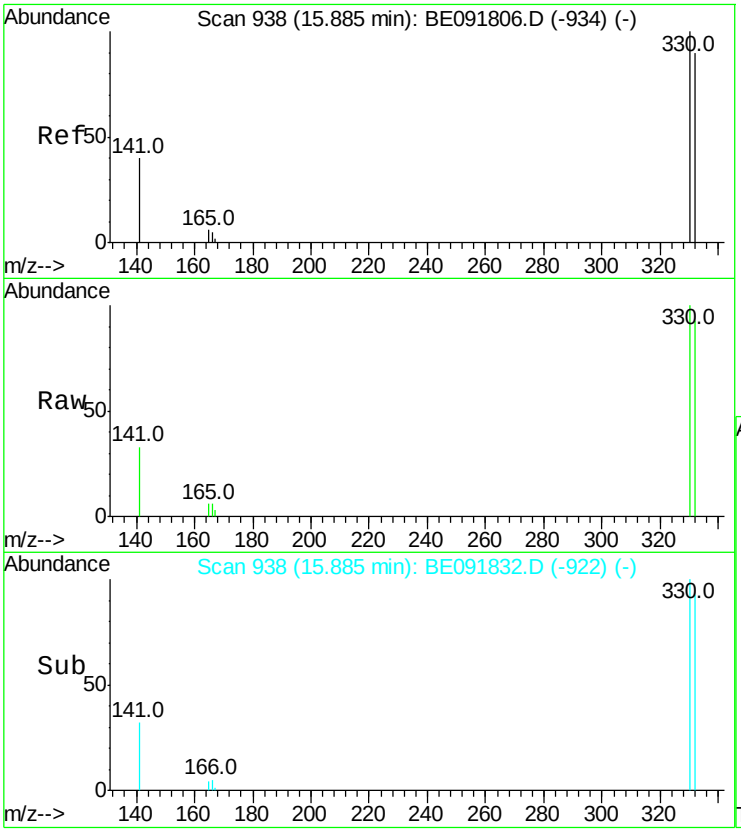


#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.40 min Scan# 819
Delta R.T. -0.01 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion:164 Resp: 123738

Ion	Ratio	Lower	Upper
164	100		
162	99.2	85.3	127.9
160	42.1	46.2	69.2#

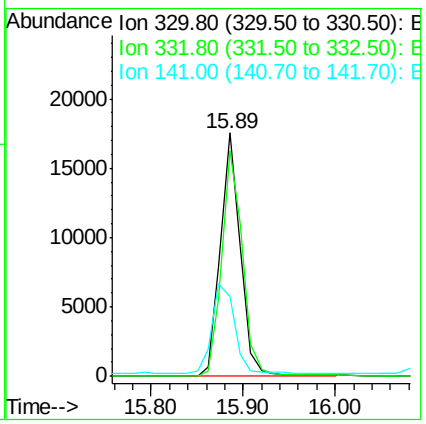




#14
2,4,6-Tribromophenol
Concen: 5.48 ng
RT: 15.89 min Scan# 938
Delta R.T. -0.01 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion:330 Resp: 26333

Ion	Ratio	Lower	Upper
330	100		
332	95.9	79.1	118.7
141	42.1	125.4	188.0#



Instrument :
BNA_E
ClientSampleId :
NC-TS-002RE

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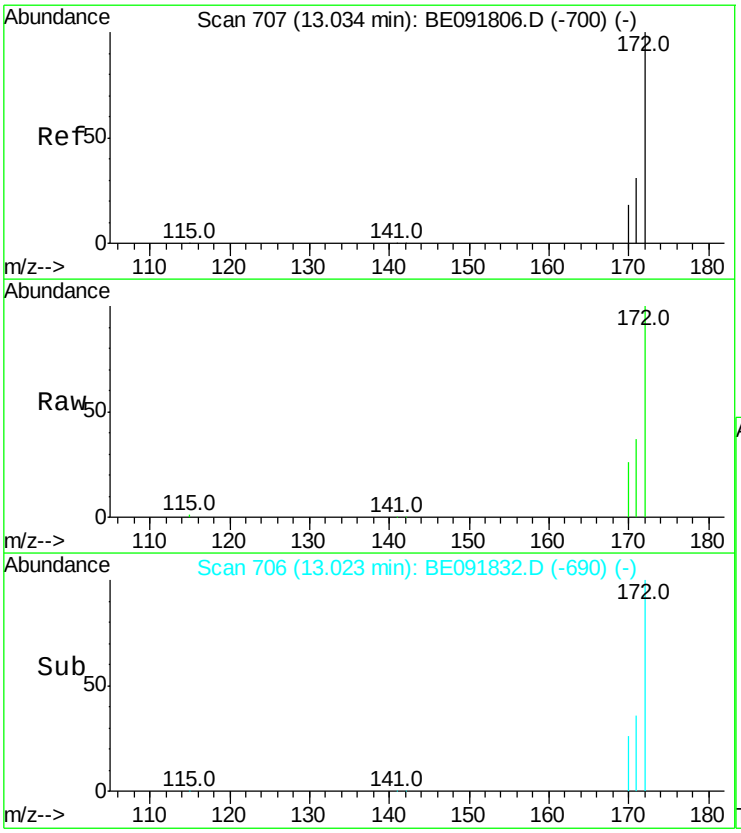
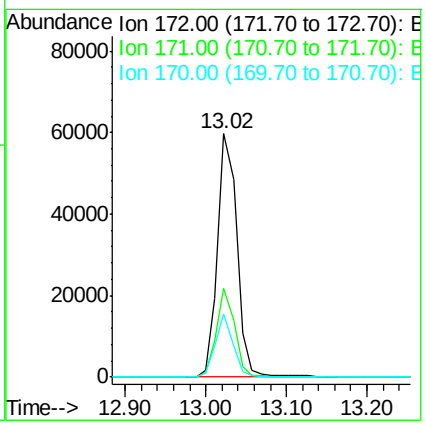
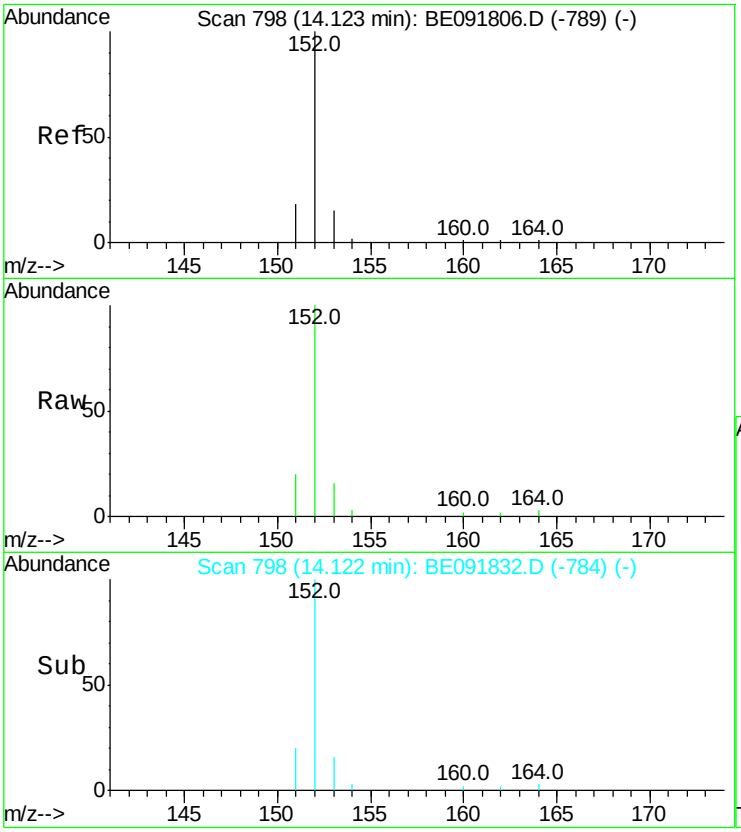


#15
2-Fluorobiphenyl
Concen: 2.85 ng
RT: 13.02 min Scan# 706
Delta R.T. -0.01 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion:172 Resp: 99860

Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.8	43.2
170	25.7	19.3	28.9

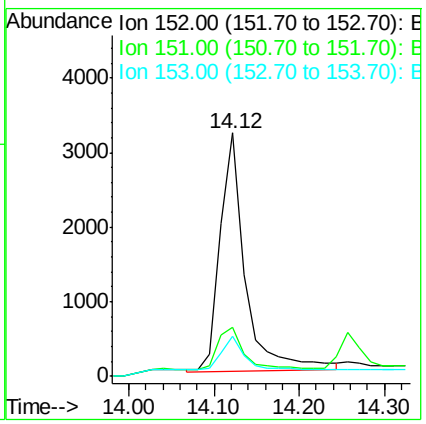




#16
Acenaphthylene
Concen: 0.12 ng
RT: 14.12 min Scan# 798
Delta R.T. -0.00 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion:152 Resp: 6661

Ion	Ratio	Lower	Upper
152	100		
151	22.1	3.9	5.9#
153	32.7	10.3	15.5#



Instrument :
BNA_E
ClientSampleId :
NC-TS-002RE

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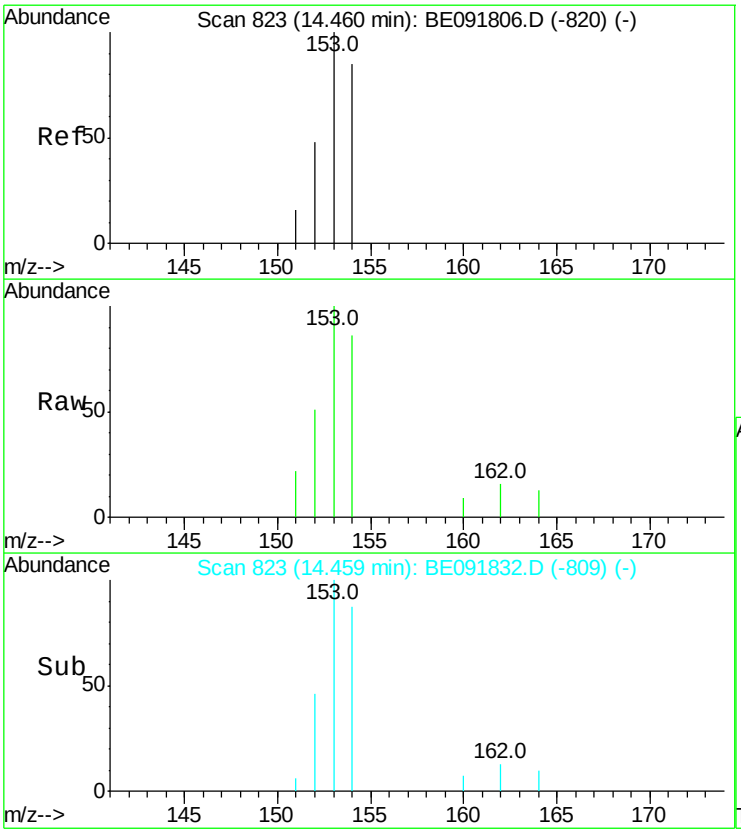
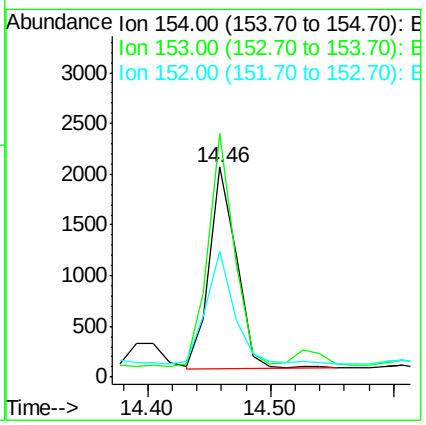
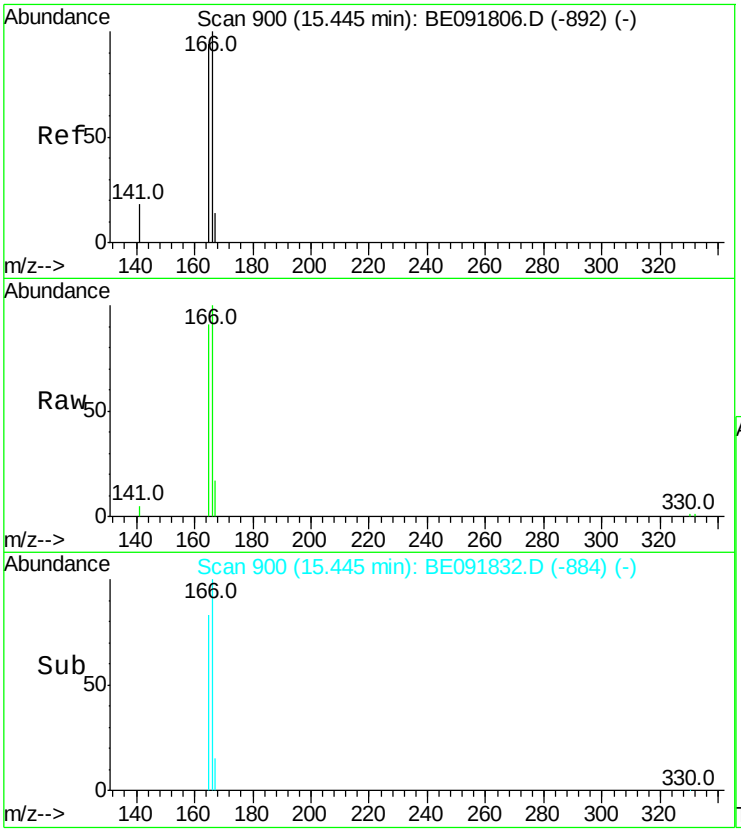


#17
Acenaphthene
Concen: 0.09 ng
RT: 14.46 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion:154 Resp: 3075

Ion	Ratio	Lower	Upper
154	100		
153	110.8	80.0	120.0
152	58.5	40.0	60.0





#18
Fluorene
Concen: 0.12 ng
RT: 15.45 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion:166 Resp: 5147

Ion	Ratio	Lower	Upper
166	100		
165	97.2	80.8	121.2
167	17.5	10.9	16.3#

Instrument :
BNA_E
ClientSampleId :
NC-TS-002RE

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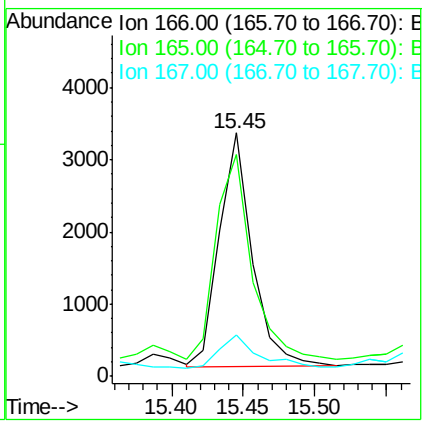
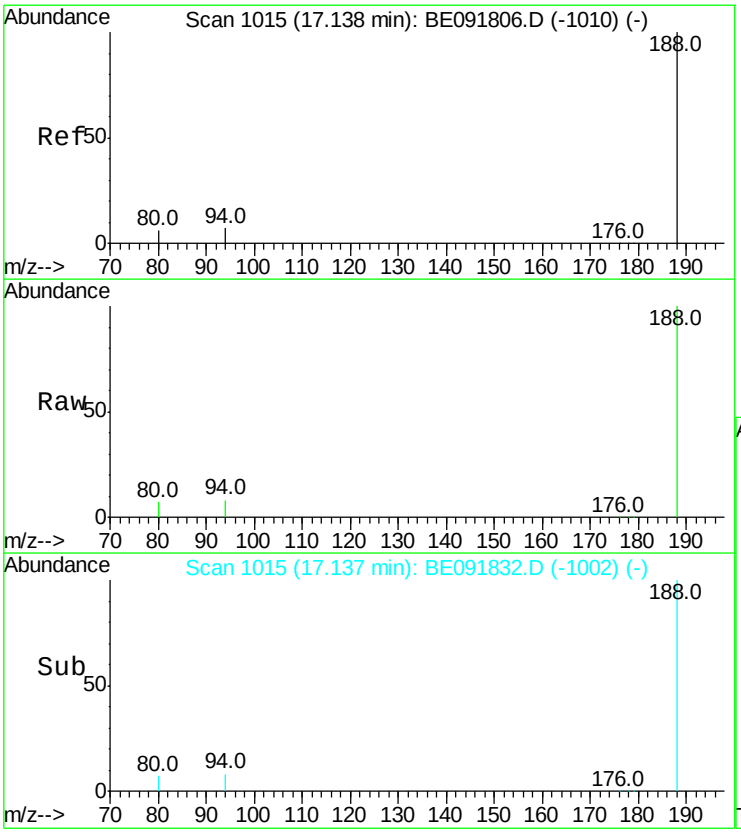
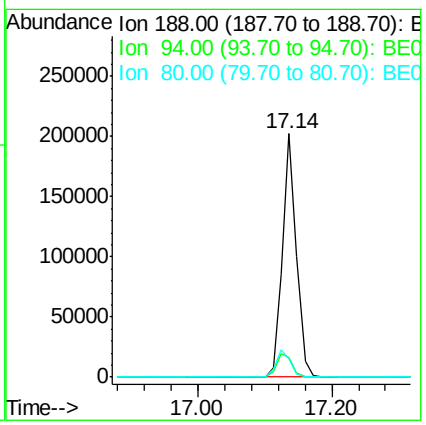


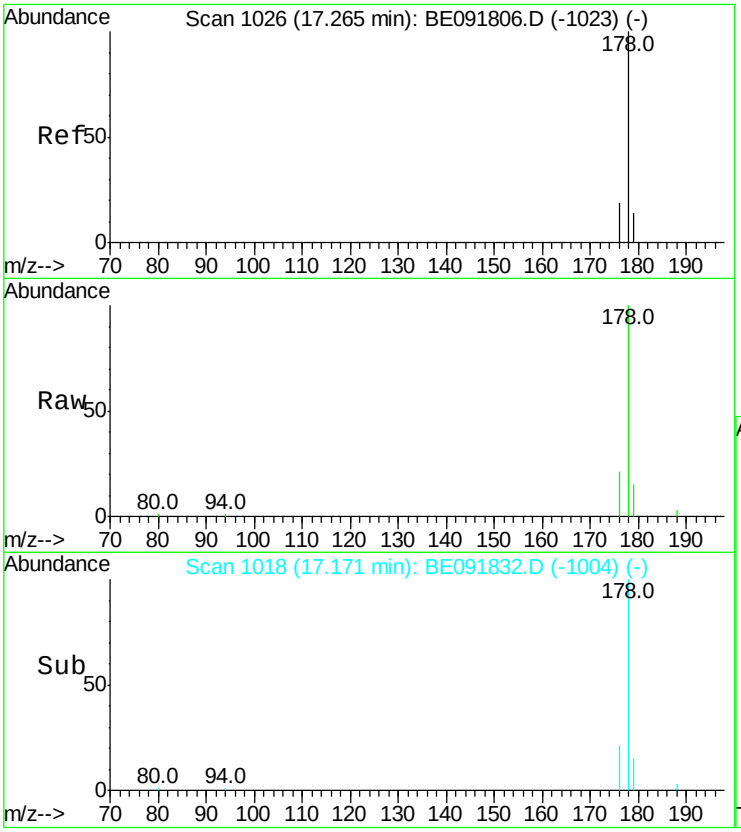


#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.14 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion:188 Resp: 324828

Ion	Ratio	Lower	Upper
188	100		
94	8.0	8.7	13.1#
80	7.4	9.4	14.0#

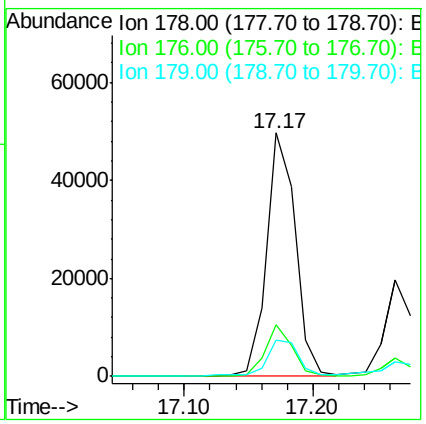




#23
Phenanthrene
Concen: 1.13 ng
RT: 17.17 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion:178 Resp: 77101

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	16.4	12.6	18.8



Instrument :
BNA_E
ClientSampleId :
NC-TS-002RE

Manual Integrations APPROVED
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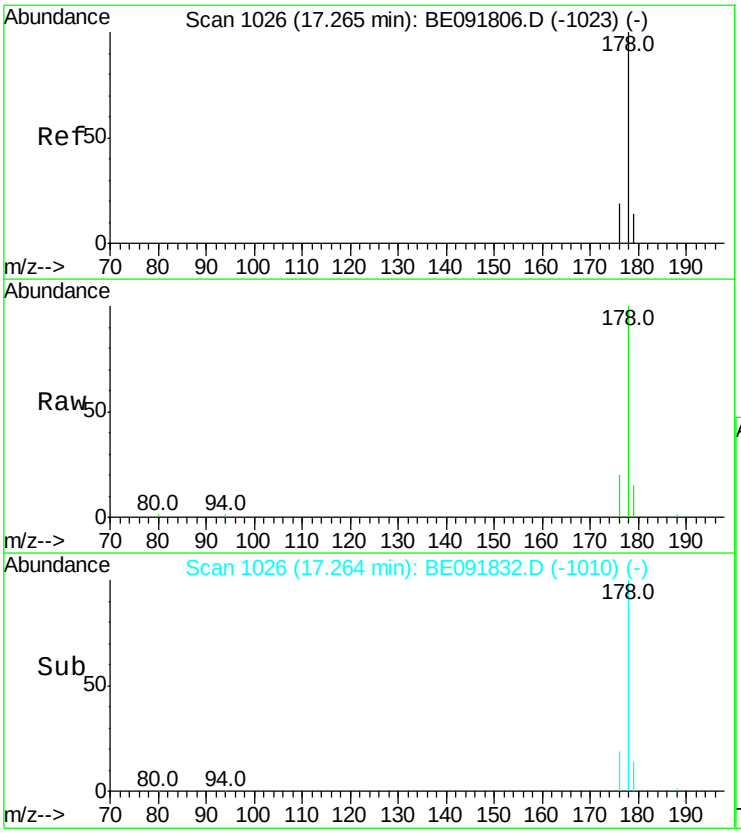
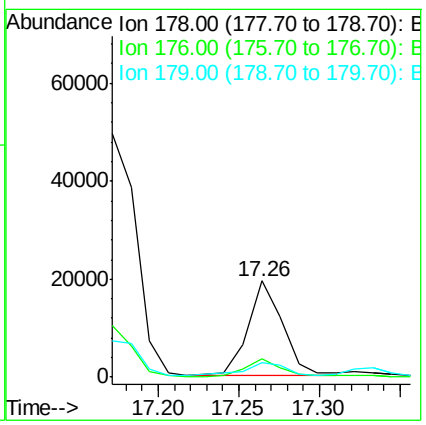
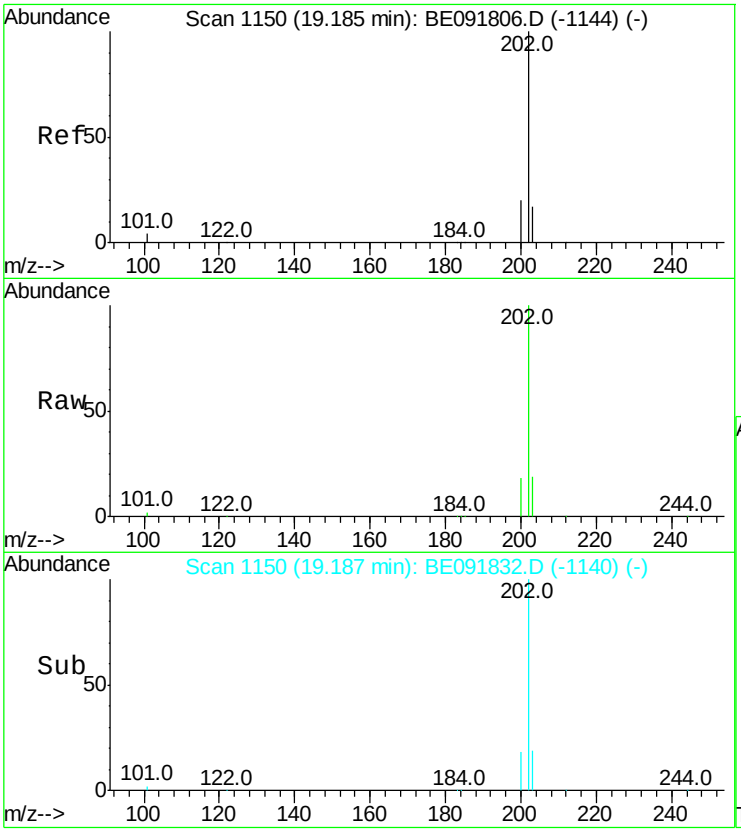


#24
Anthracene
Concen: 0.40 ng
RT: 17.26 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion:178 Resp: 28035

Ion	Ratio	Lower	Upper
178	100		
176	19.6	14.6	21.8
179	16.2	11.8	17.6

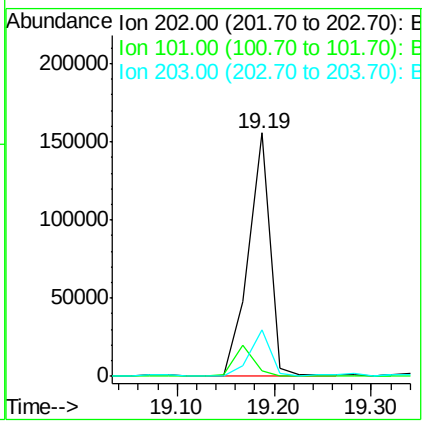




#25
Fluoranthene
Concen: 2.80 ng
RT: 19.19 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion:202 Resp: 242163

Ion	Ratio	Lower	Upper
202	100		
101	11.7	11.0	16.6
203	17.8	13.9	20.9



Instrument :
BNA_E
ClientSampleId :
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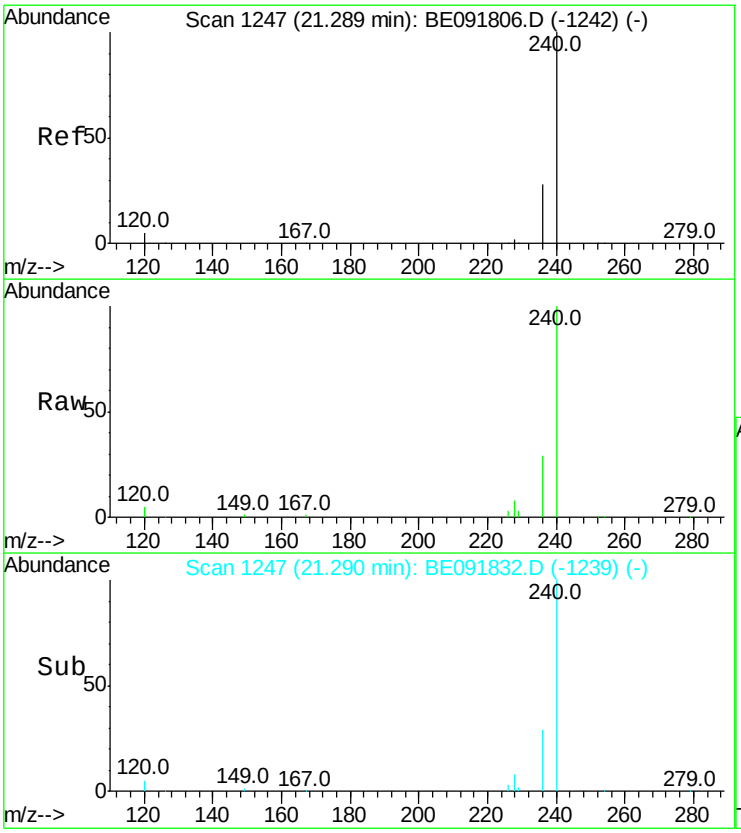
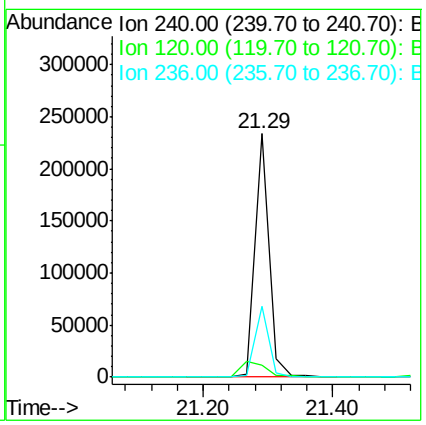
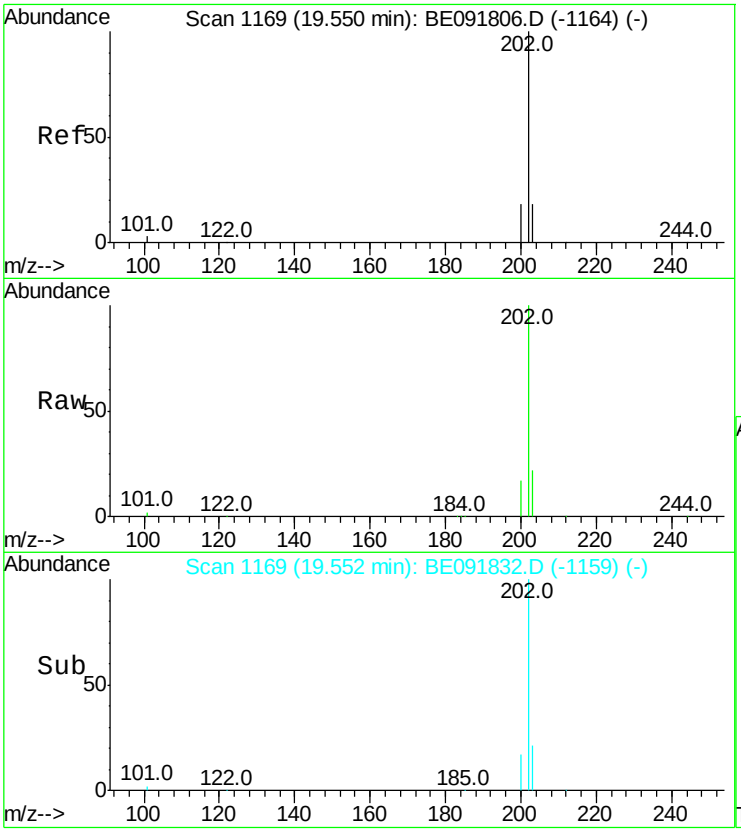


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion:240 Resp: 354634

Ion	Ratio	Lower	Upper
240	100		
120	4.8	11.0	16.4#
236	29.0	21.7	32.5





#28
Pyrene
Concen: 3.07 ng
RT: 19.55 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion:202 Resp: 238606

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.8	25.2
203	23.1	14.0	21.0#

Instrument :
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ClientSampleId :
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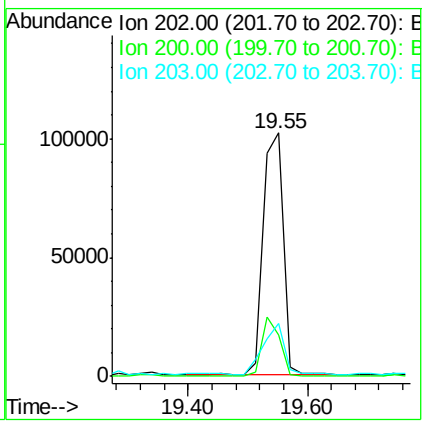
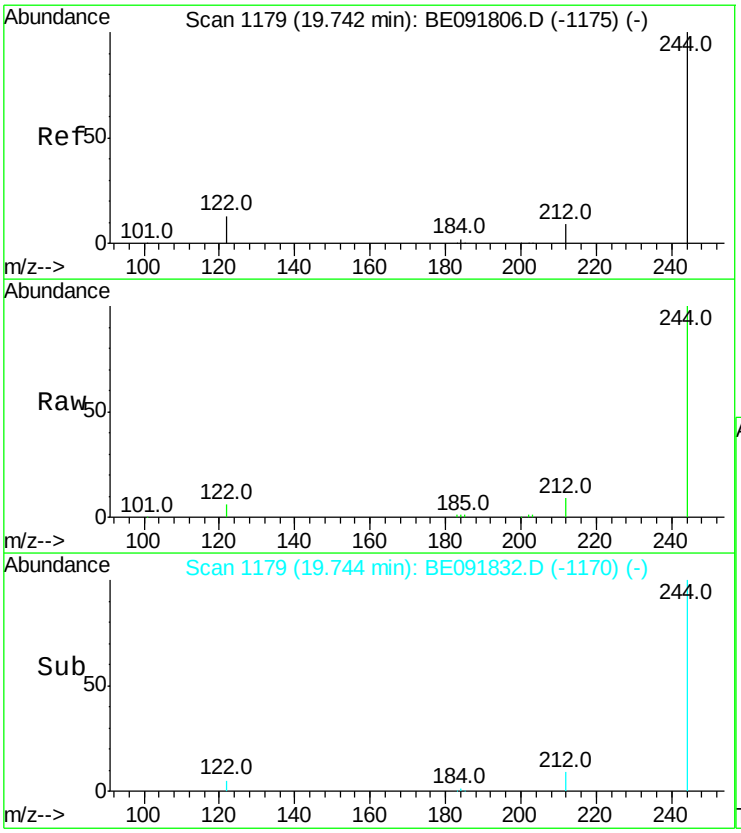
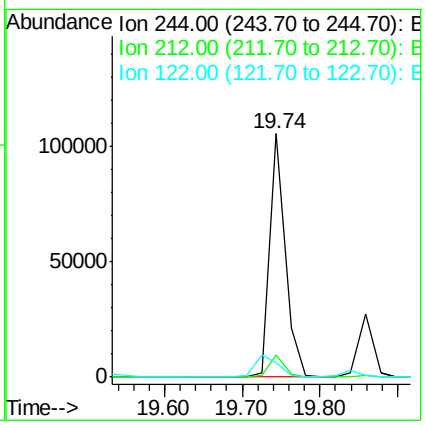


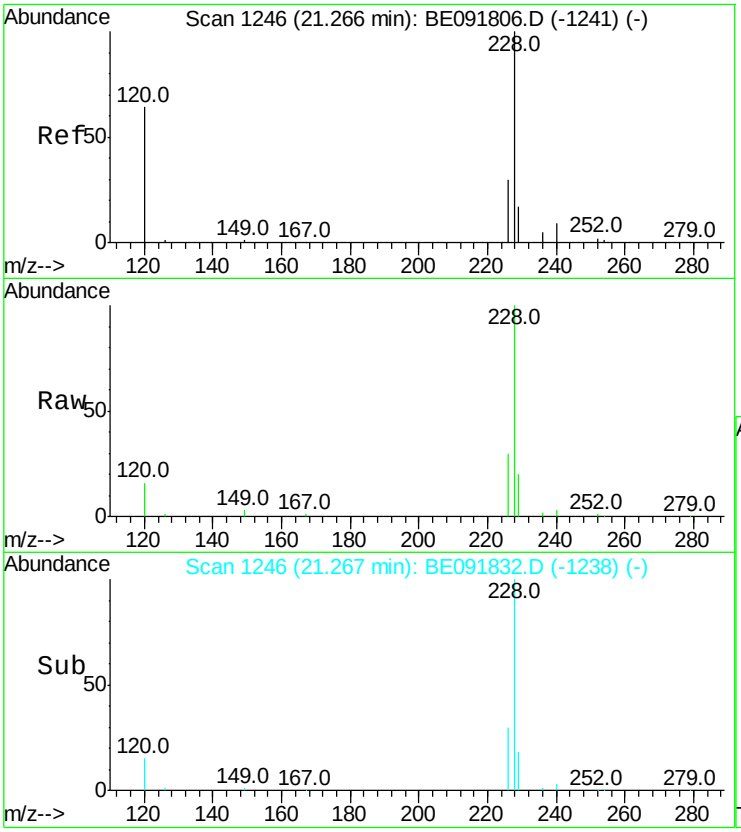


#29
Terphenyl-d14
Concen: 2.97 ng
RT: 19.74 min Scan# 1179
Delta R.T. -0.02 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion:244 Resp: 148901

Ion	Ratio	Lower	Upper
244	100		
212	8.9	6.9	10.3
122	5.7	11.0	16.4#

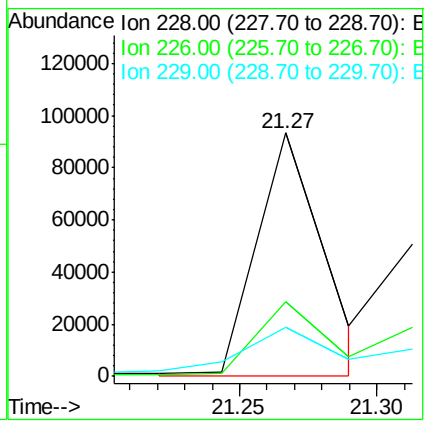




#30
Benzo(a)anthracene
Concen: 1.85 ng m
RT: 21.27 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion:228 Resp: 158354

Ion	Ratio	Lower	Upper
228	100		
226	30.5	21.0	31.4
229	20.0	15.7	23.5



Instrument :
BNA_E
ClientSampleId :
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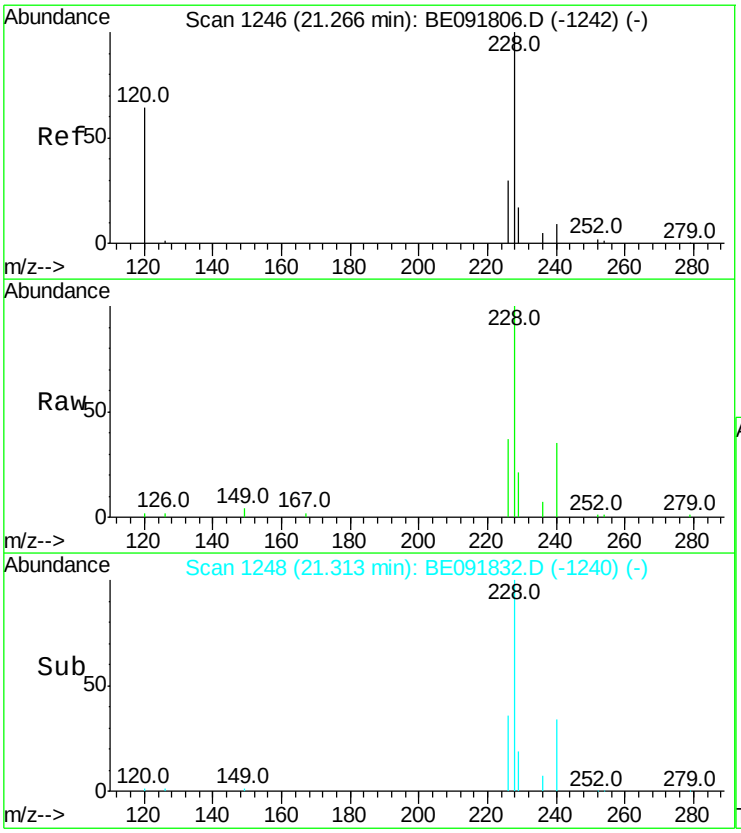
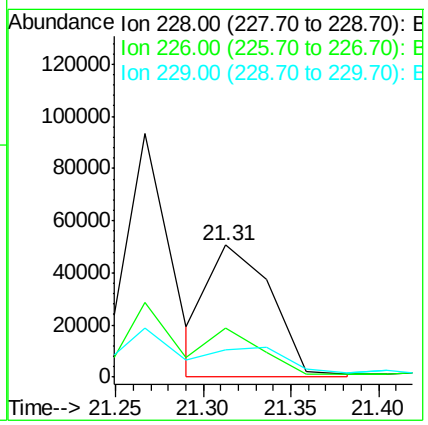
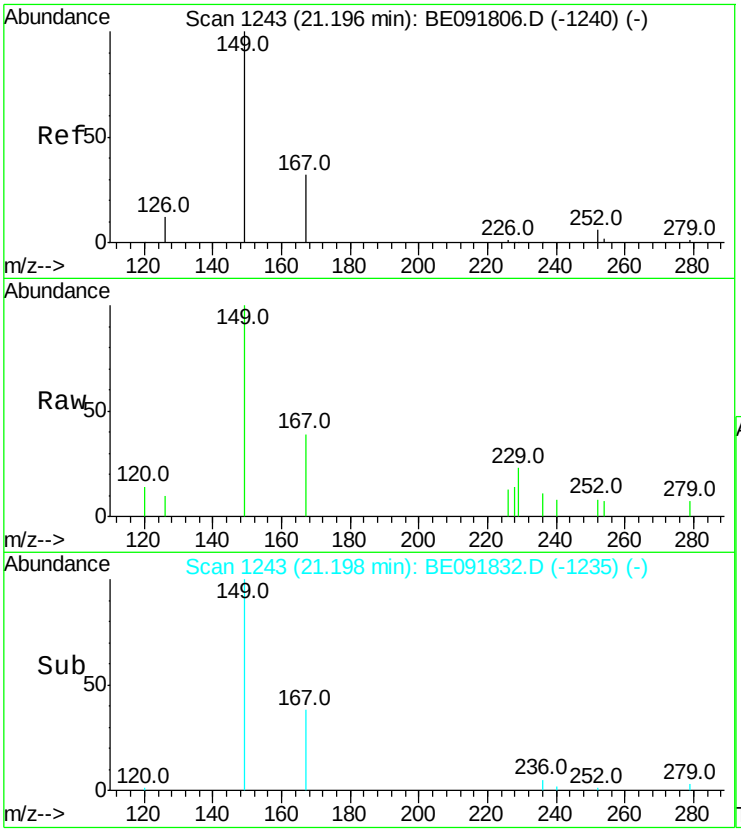


#32
Chrysene
Concen: 1.76 ng m
RT: 21.31 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion:228 Resp: 127004

Ion	Ratio	Lower	Upper
228	100		
226	36.9	24.0	36.0#
229	20.8	15.9	23.9





#33
Bis(2-ethylhexyl)phthalate
Concen: 0.42 ng
RT: 21.20 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion:149 Resp: 9064

Ion	Ratio	Lower	Upper
149	100		
167	30.1	19.5	29.3#
279	4.1	10.0	15.0#

Instrument :
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ClientSampleId :
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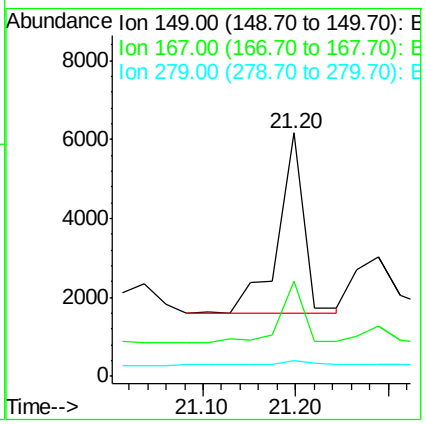
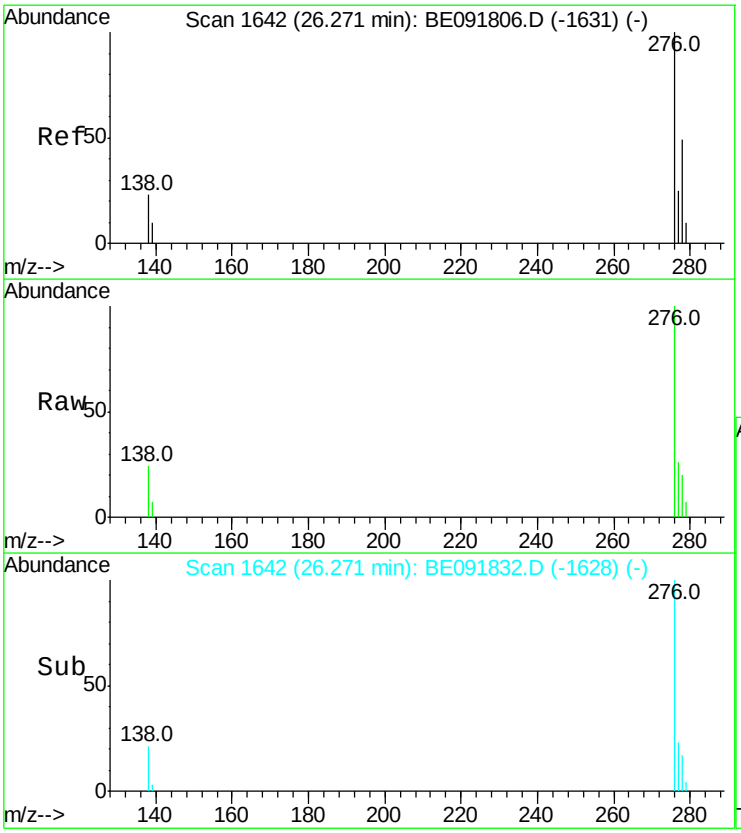
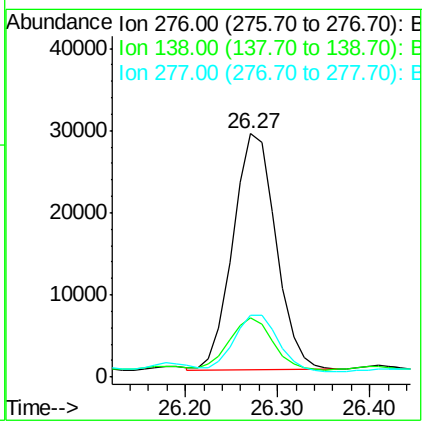


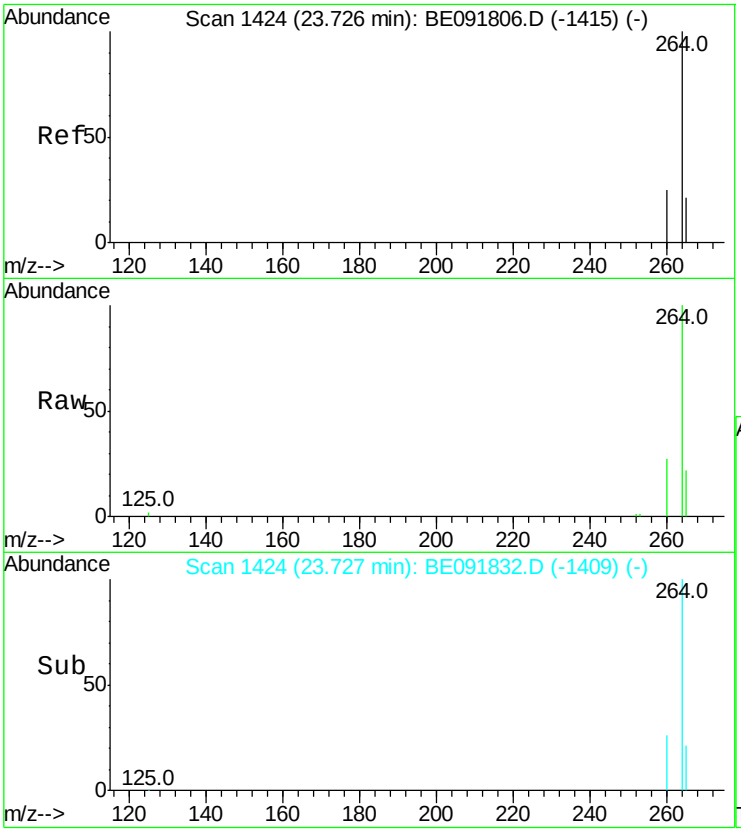


#34
Indeno(1,2,3-cd)pyrene
Concen: 1.06 ng
RT: 26.27 min Scan# 1642
Delta R.T. -0.03 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion:276 Resp: 92745

Ion	Ratio	Lower	Upper
276	100		
138	22.2	23.4	35.2#
277	24.7	19.8	29.8





#35
Perylene-d12
Concen: 5.00 ng
RT: 23.73 min Scan# 1424
Delta R.T. -0.02 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion:264 Resp: 333483

Ion	Ratio	Lower	Upper
264	100		
260	26.8	20.0	30.0
265	22.3	17.5	26.3

Instrument :
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ClientSampleId :
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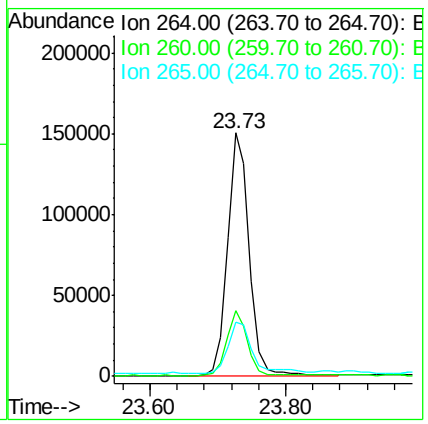
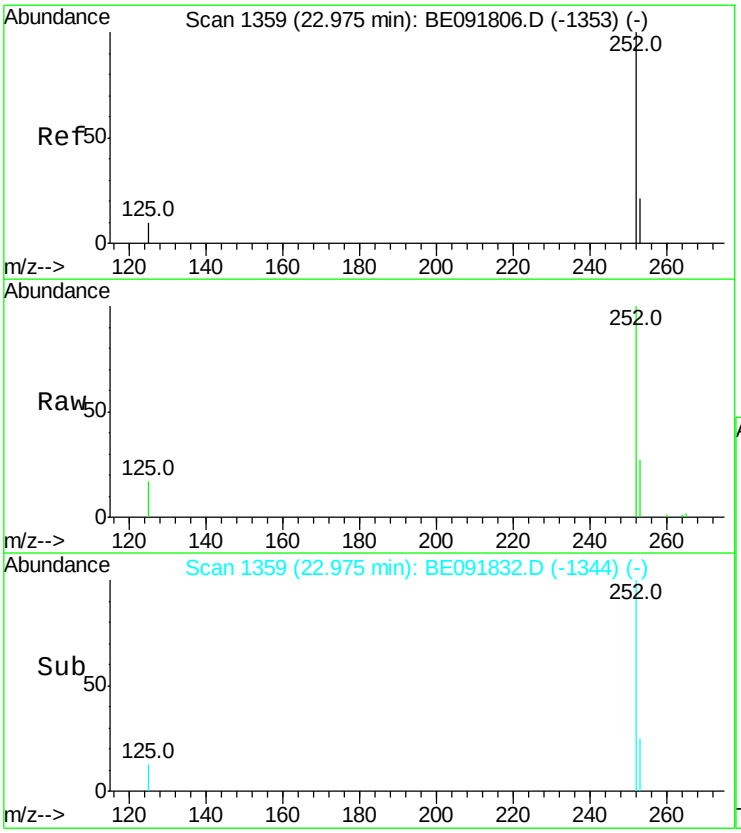
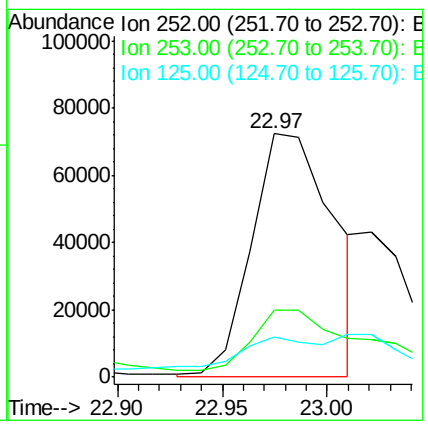


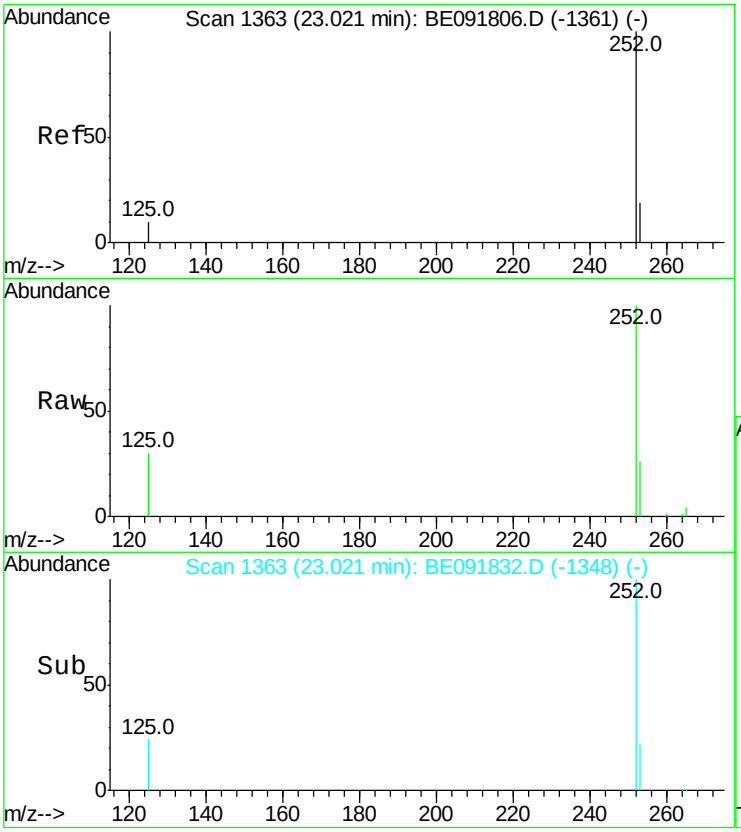


#36
Benzo(b)fluoranthene
Concen: 2.37 ng m
RT: 22.97 min Scan# 1359
Delta R.T. -0.02 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion:252 Resp: 197687

Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.4	26.0#
125	16.5	10.2	15.2#





#37
Benzo(k)fluoranthene
Concen: 0.85 ng m
RT: 23.02 min Scan# 1363
Delta R.T. -0.02 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion:252 Resp: 72824

Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.6	26.4
125	29.7	9.9	14.9#

Instrument :
BNA_E
ClientSampleId :
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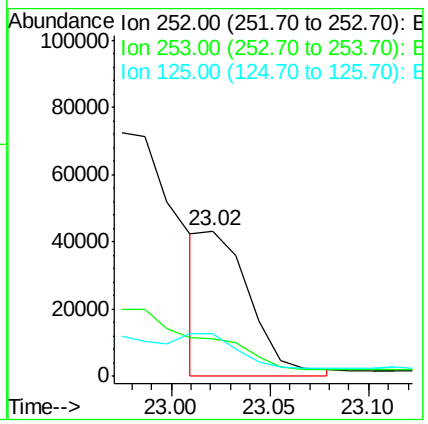
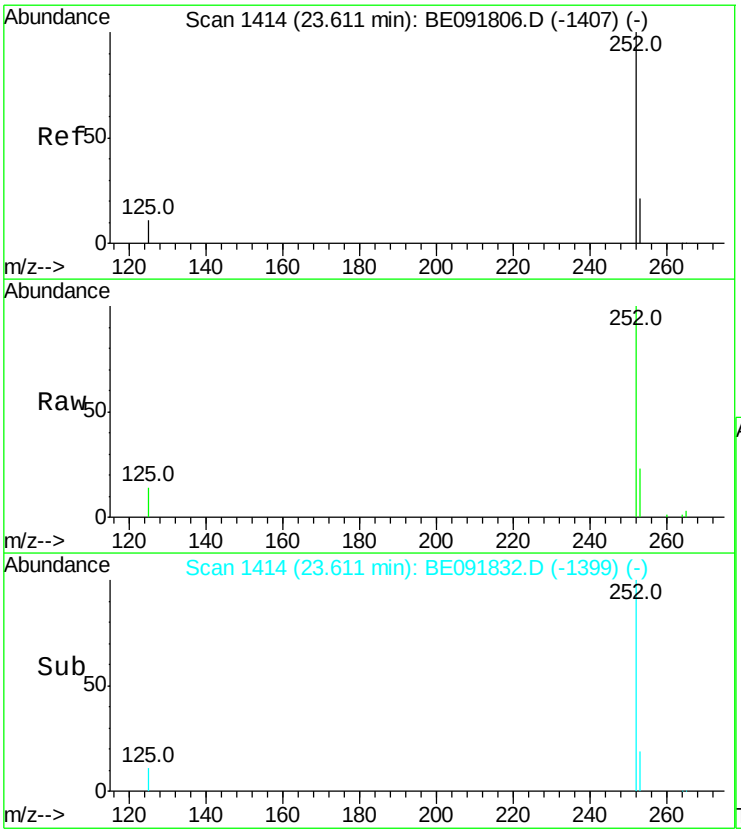
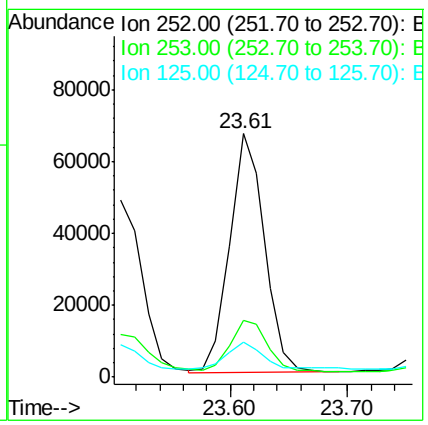


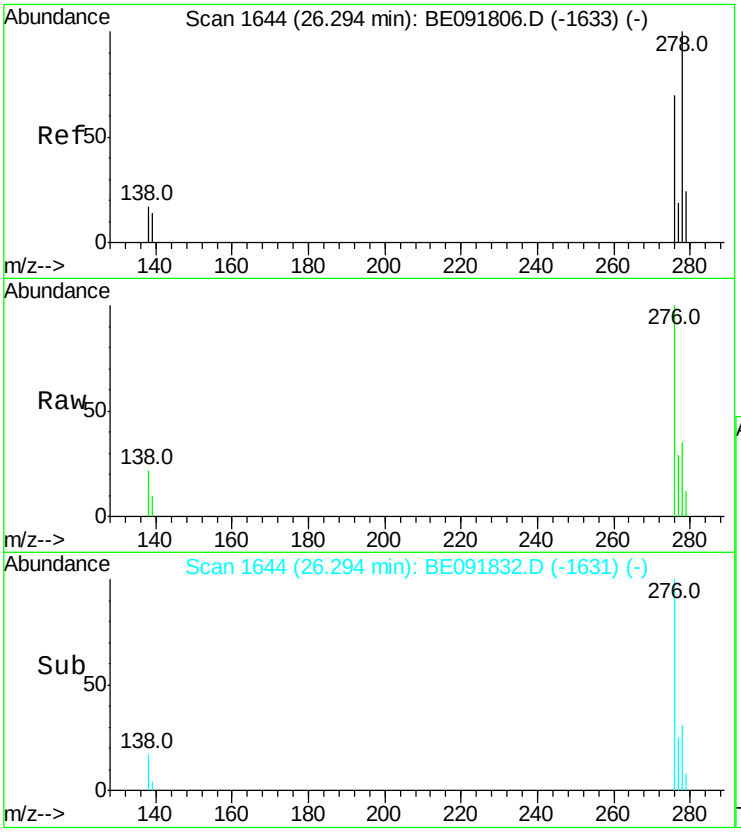


#38
Benzo(a)pyrene
Concen: 1.72 ng
RT: 23.61 min Scan# 1414
Delta R.T. -0.02 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion:252 Resp: 136928

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	14.5	11.0	16.4

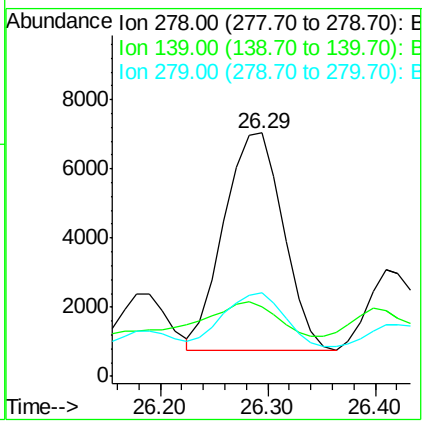




#39
Dibenzo(a,h)anthracene
Concen: 0.31 ng
RT: 26.29 min Scan# 1644
Delta R.T. -0.05 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion:278 Resp: 24036

Ion	Ratio	Lower	Upper
278	100		
139	28.4	16.0	24.0#
279	34.4	19.4	29.2#



Instrument :
BNA_E
ClientSampleId :
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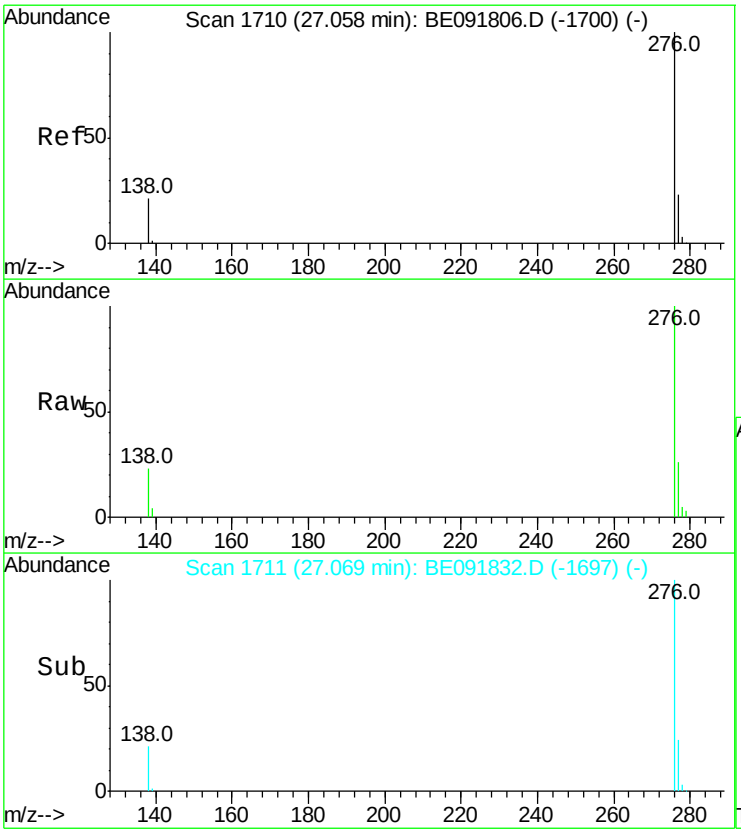

#40
Benzo(g,h,i)perylene
Concen: 1.21 ng
RT: 27.07 min Scan# 1711
Delta R.T. -0.03 min
Lab File: BE091832.D
Acq: 20 May 2016 6:00

Tgt Ion:276 Resp: 96769

Ion	Ratio	Lower	Upper
276	100		
277	26.0	18.6	28.0
138	23.1	20.4	30.6