Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042616\
Data File : BE091710.D
Acq On : 26 Apr 2016 18:43
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Manual Integrations APPROVED
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4/27/2016 7:05:38 PM

Quant Time: Apr 27 01:04:29 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	7.80	152	34989	5.00	ng		0.00
7) Naphthalene-d8	10.57	136	157989	5.00	ng		0.00
13) Acenaphthene-d10	14.42	164	92781	5.00	ng		0.00
19) Phenanthrene-d10	17.15	188	236700	5.00	ng		0.00
26) Chrysene-d12	21.31	240	257015	5.00	ng		0.00
35) Perylene-d12	23.75	264	268682	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	3222	0.37	ng		0.00
5) Phenol-d6	6.95	99	4103	0.36	ng		0.00
8) Nitrobenzene-d5	8.95	82	3743	0.37	ng		0.00
14) 2,4,6-Tribromophenol	15.90	330	997m	0.44	ng		0.00
15) 2-Fluorobiphenyl	13.04	172	10349	0.39	ng		0.00
29) Terphenyl-d14	19.76	244	17219	0.43	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.35	88	1837	0.36	ng		97
3) n-Nitrosodimethylamine	3.64	42	2315	0.36	ng		96
6) bis(2-Chloroethyl)ether	7.21	93	3959	0.39	ng	#	77
9) Nitrobenzene	8.99	77	3832	0.36	ng		95
10) Naphthalene	10.61	128	13069	0.41	ng		97
11) Hexachlorobutadiene	10.92	225	1922m	0.41	ng		
12) 2-Methylnaphthalene	12.24	142	7929	0.39	ng		93
16) Acenaphthylene	14.12	152	14044	0.39	ng	#	74
17) Acenaphthene	14.47	154	9057	0.39	ng		87
18) Fluorene	15.46	166	11296	0.39	ng		99
20) 4-Bromophenyl-phenylether	16.33	248	3259	0.38	ng		98
21) Hexachlorobenzene	16.45	284	3361	0.39	ng		96
22) Pentachlorophenol	16.79	266	1228	0.36	ng		93
23) Phenanthrene	17.18	178	22087	0.41	ng		100
24) Anthracene	17.28	178	18573	0.38	ng		99
25) Fluoranthene	19.19	202	22370	0.40	ng		97
27) Benzidine	19.38	184	5465	0.42	ng	#	81
28) Pyrene	19.55	202	24931	0.43	ng		99
30) Benzo(a)anthracene	21.29	228	26047	0.41	ng		92
31) 3,3'-Dichlorobenzidine	21.22	252	12628	0.39	ng	#	86
32) Chrysene	21.34	228	31959m	0.49	ng		
33) Bis(2-ethylhexyl)phthalate	21.20	149	7506	0.39	ng	#	89
34) Indeno(1,2,3-cd)pyrene	26.30	276	26182	0.45	ng		96
36) Benzo(b)fluoranthene	23.00	252	25427	0.40	ng		95
37) Benzo(k)fluoranthene	23.05	252	23206	0.36	ng		97
38) Benzo(a)pyrene	23.64	252	22236	0.38	ng		99
39) Dibenzo(a,h)anthracene	26.33	278	21438	0.38	ng		97
40) Benzo(g,h,i)perylene	27.09	276	21682	0.38	ng		97

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

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Data Path : Z:\HPCHEM1\BNA E\DATA\BE042616\
Data File : BE091710.D
Acq On : 26 Apr 2016 18:43
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
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Quant Time: Apr 27 01:04:29 2016
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 26 16:09:46 2016
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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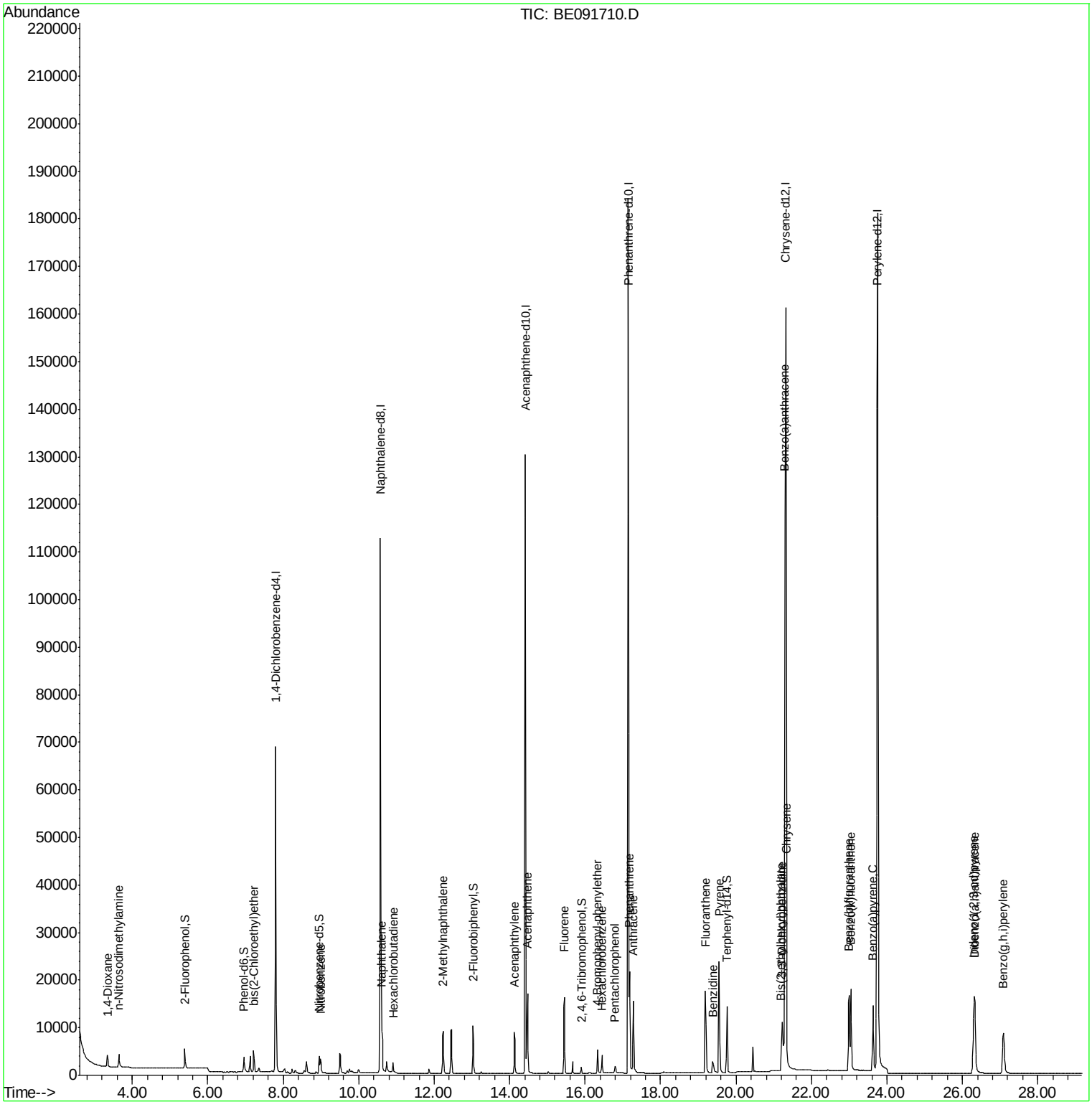
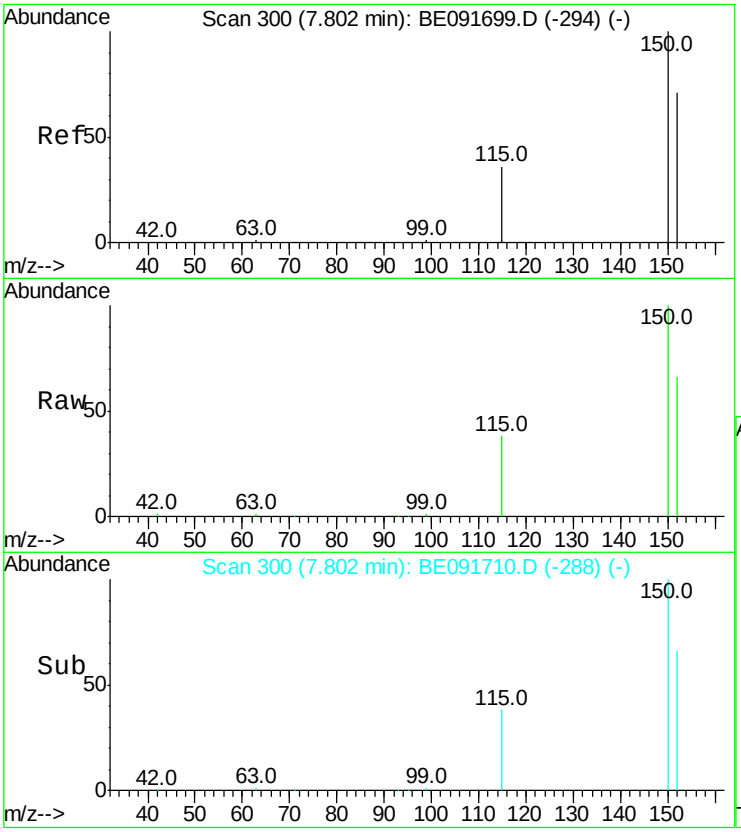
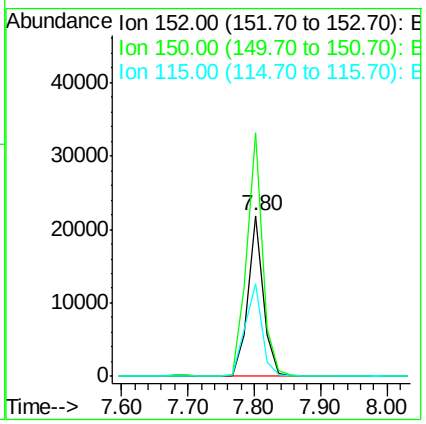




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.80 min Scan# 300
Delta R.T. -0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:152 Resp: 34989

Ion	Ratio	Lower	Upper
152	100		
150	151.2	122.6	183.8
115	57.5	52.8	79.2



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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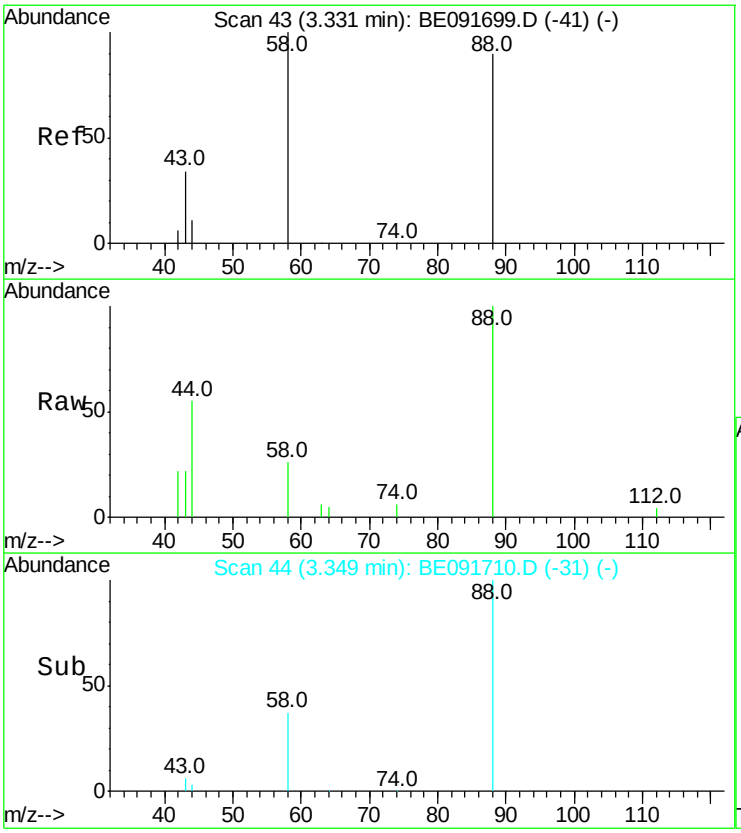
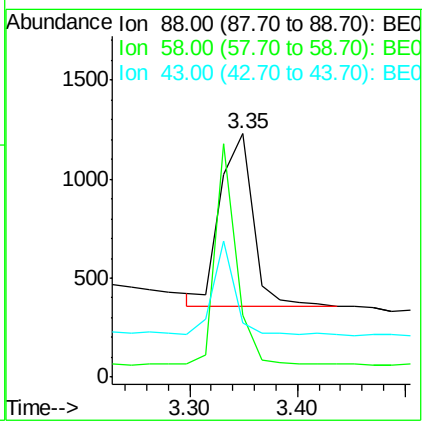
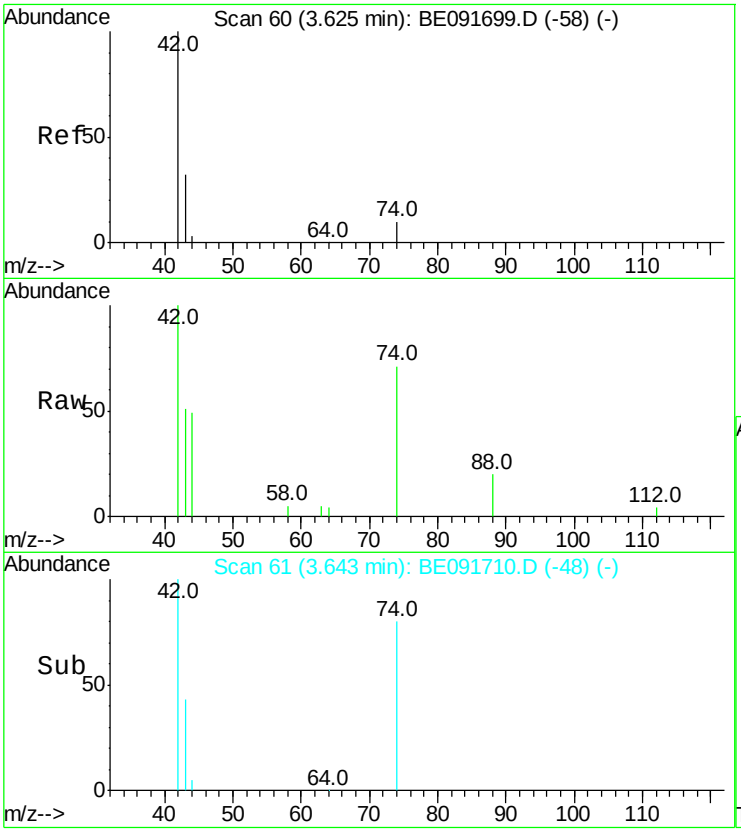


#2
1,4-Dioxane
Concen: 0.36 ng
RT: 3.35 min Scan# 44
Delta R.T. 0.02 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion: 88 Resp: 1837

Ion	Ratio	Lower	Upper
88	100		
58	82.3	65.8	98.6
43	37.7	25.3	37.9

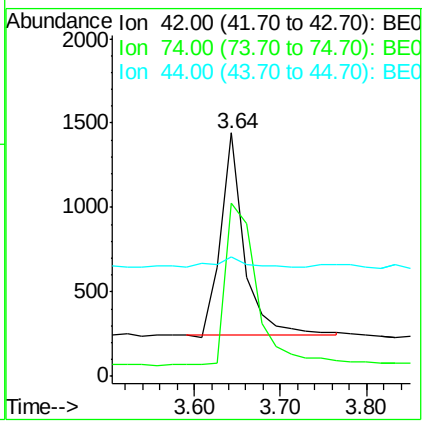




#3
n-Nitrosodimethylamine
Concen: 0.36 ng
RT: 3.64 min Scan# 61
Delta R.T. 0.02 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion: 42 Resp: 2315

Ion	Ratio	Lower	Upper
42	100		
74	105.5	87.9	131.9
44	7.7	6.6	9.8



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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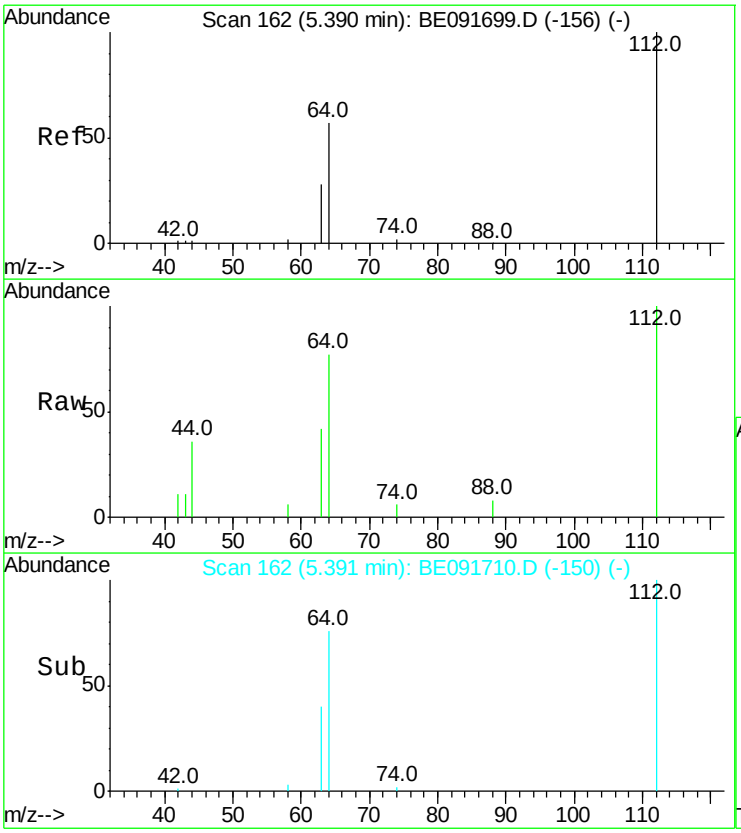
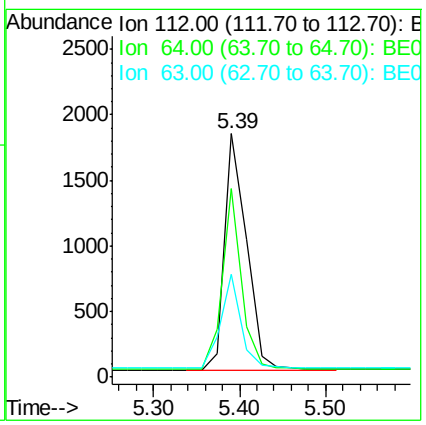
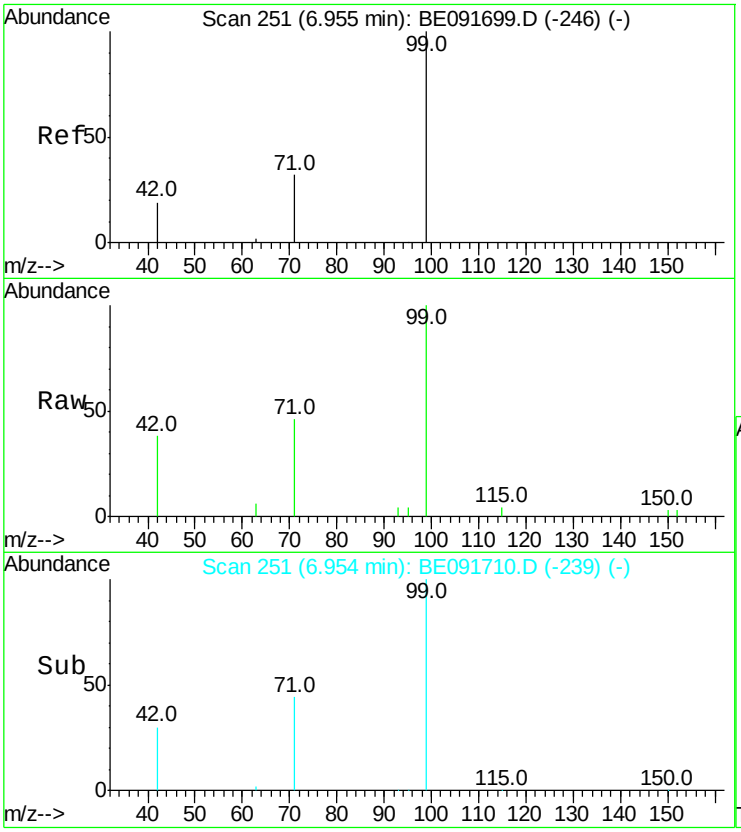


#4
2-Fluorophenol
Concen: 0.37 ng
RT: 5.39 min Scan# 162
Delta R.T. 0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:112 Resp: 3222

Ion	Ratio	Lower	Upper
112	100		
64	68.1	30.9	46.3#
63	37.0	16.7	25.1#

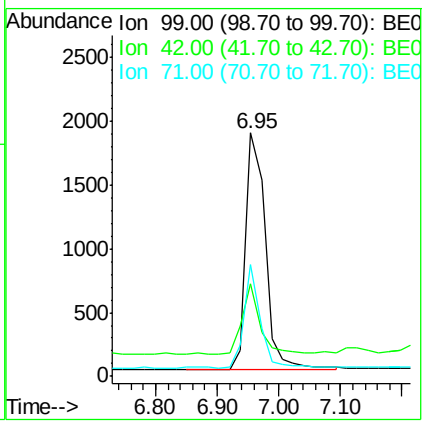




#5
Phenol-d6
Concen: 0.36 ng
RT: 6.95 min Scan# 251
Delta R.T. -0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion: 99 Resp: 4103

Ion	Ratio	Lower	Upper
99	100		
42	26.4	16.2	24.2#
71	35.8	29.0	43.4



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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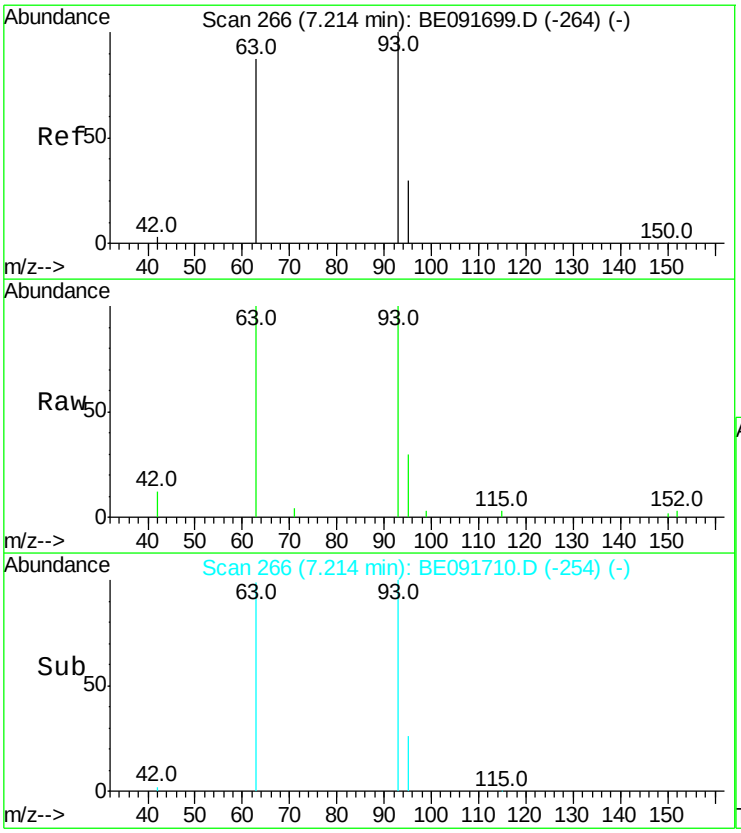
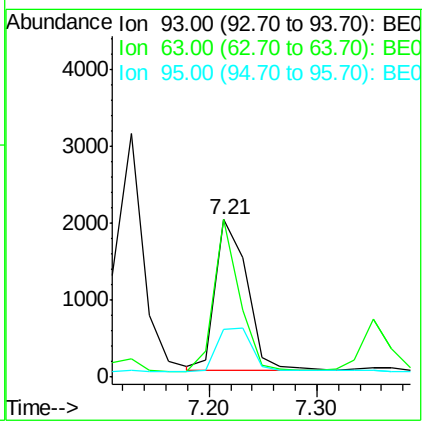
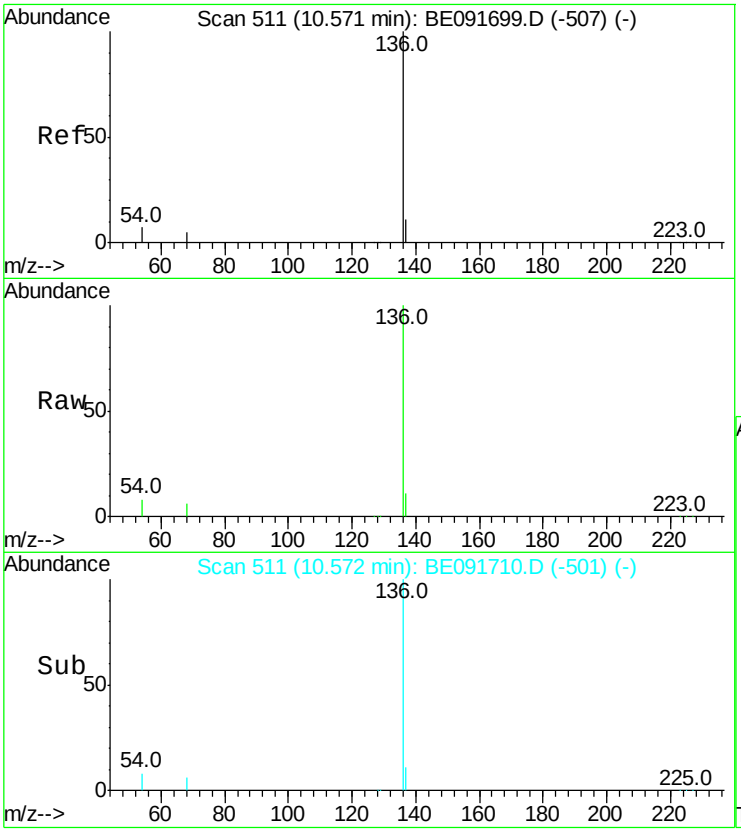


#6
bis(2-Chloroethyl)ether
Concen: 0.39 ng
RT: 7.21 min Scan# 266
Delta R.T. -0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion: 93 Resp: 3959

Ion	Ratio	Lower	Upper
93	100		
63	83.9	49.5	74.3#
95	32.7	22.2	33.4

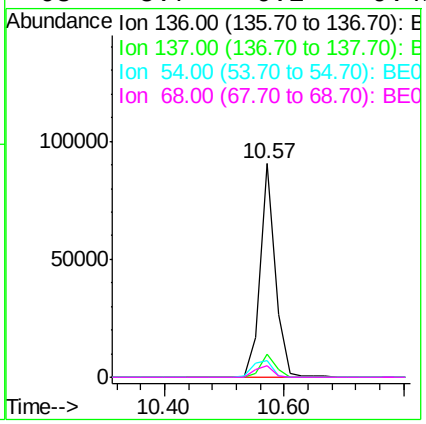




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.57 min Scan# 511
Delta R.T. 0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:136 Resp: 157989

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.8	8.2	12.4#
68	5.7	6.2	9.4#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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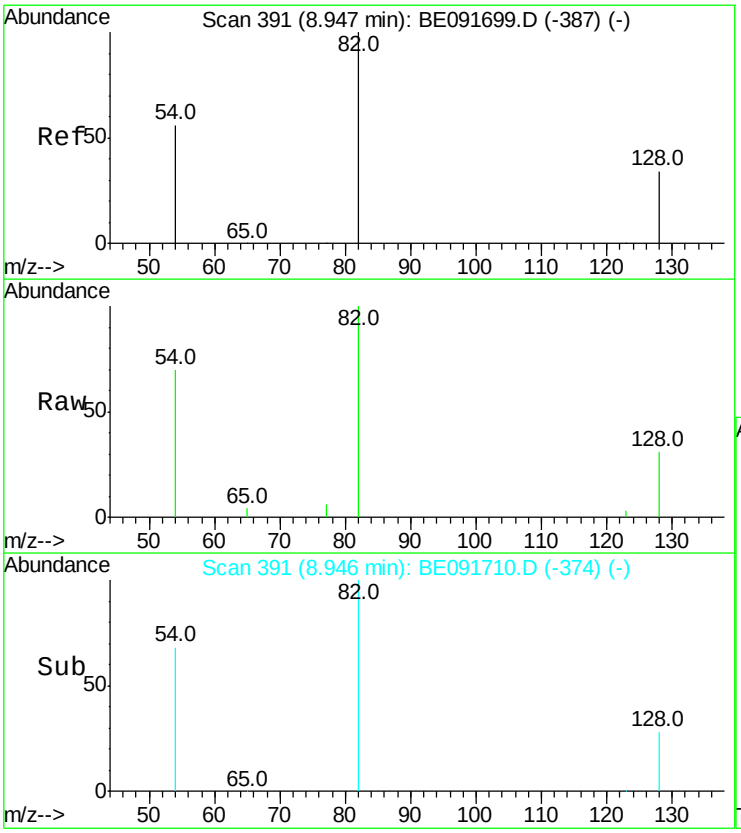
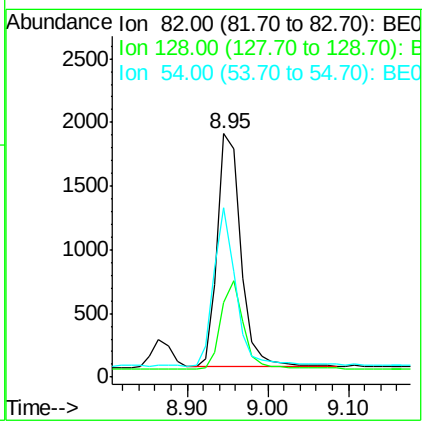
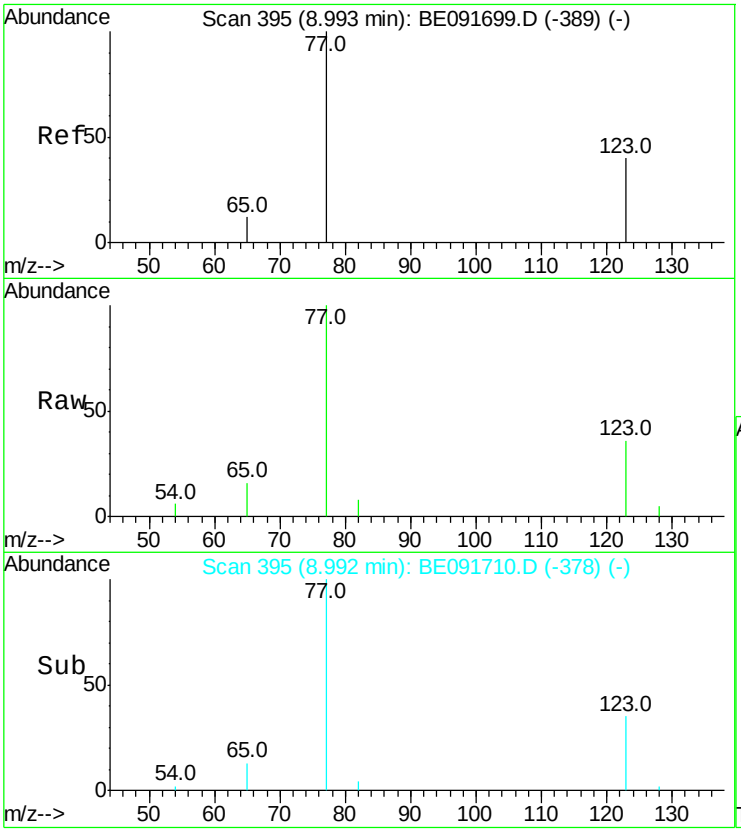


#8
Nitrobenzene-d5
Concen: 0.37 ng
RT: 8.95 min Scan# 391
Delta R.T. -0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion: 82 Resp: 3743

Ion	Ratio	Lower	Upper
82	100		
128	30.8	25.4	38.0
54	69.8	48.4	72.6

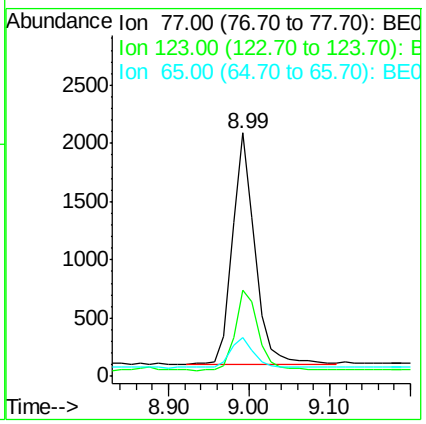




#9
Nitrobenzene
Concen: 0.36 ng
RT: 8.99 min Scan# 395
Delta R.T. -0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion: 77 Resp: 3832

Ion	Ratio	Lower	Upper
77	100		
123	36.1	26.9	40.3
65	14.0	9.4	14.2



Instrument :
BNA_E
ClientSampleId :
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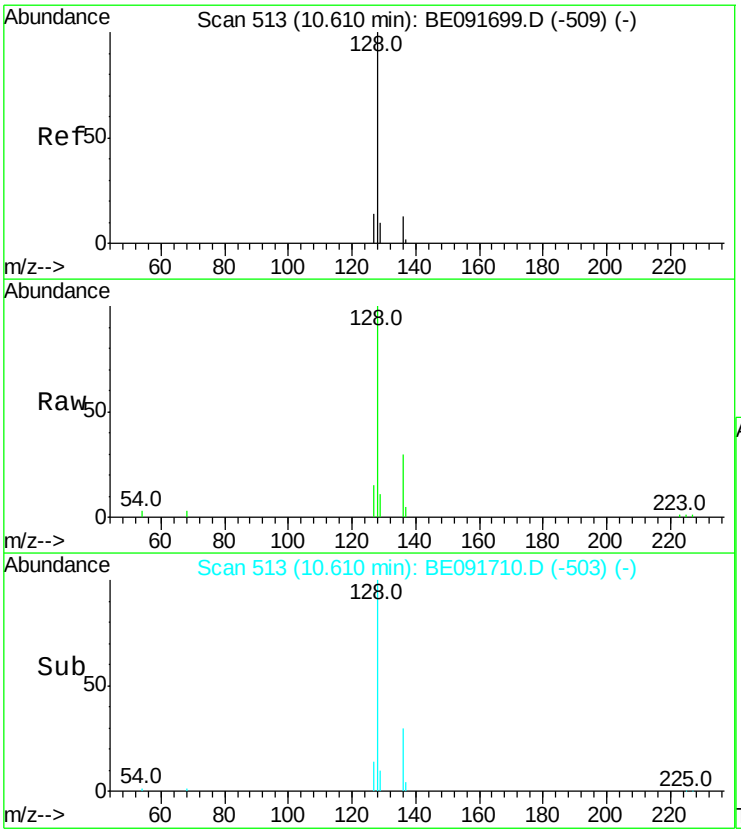
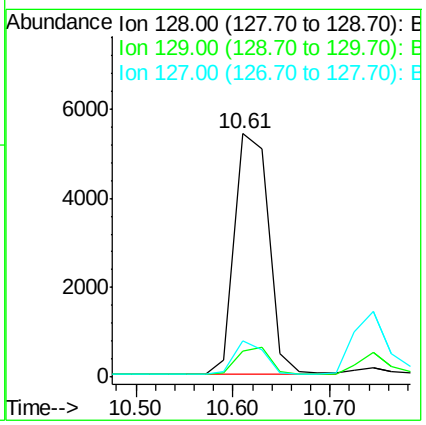
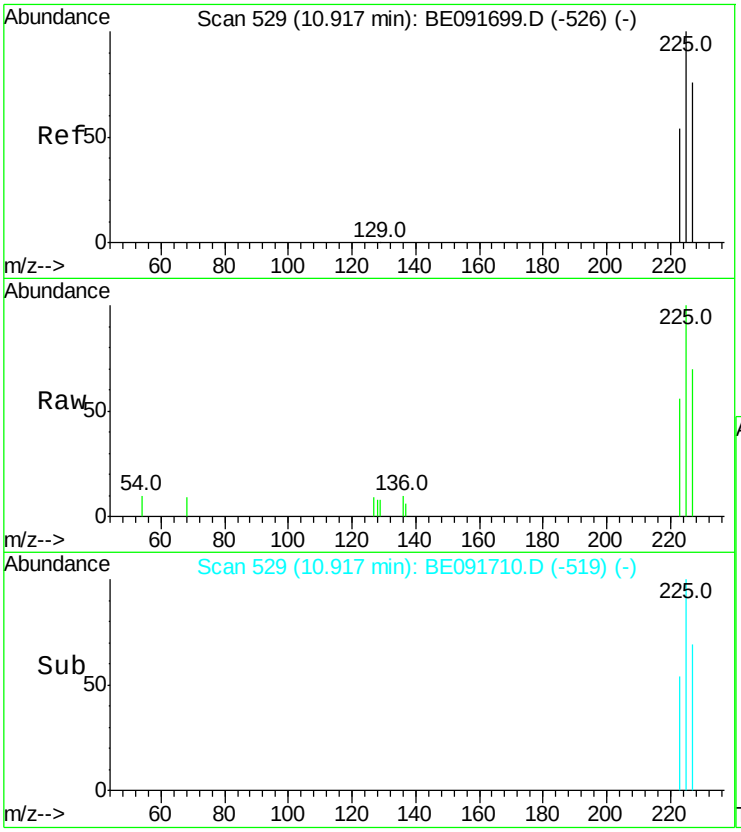


#10
Naphthalene
Concen: 0.41 ng
RT: 10.61 min Scan# 513
Delta R.T. 0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:128 Resp: 13069

Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.3	13.9
127	15.2	10.7	16.1

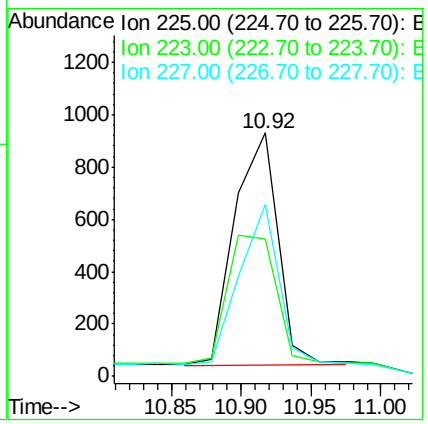




#11
Hexachlorobutadiene
Concen: 0.41 ng m
RT: 10.92 min Scan# 529
Delta R.T. 0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:225 Resp: 1922

Ion	Ratio	Lower	Upper
225	100		
223	88.8	49.0	73.6#
227	87.8	50.3	75.5#



Instrument :
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ClientSampleId :
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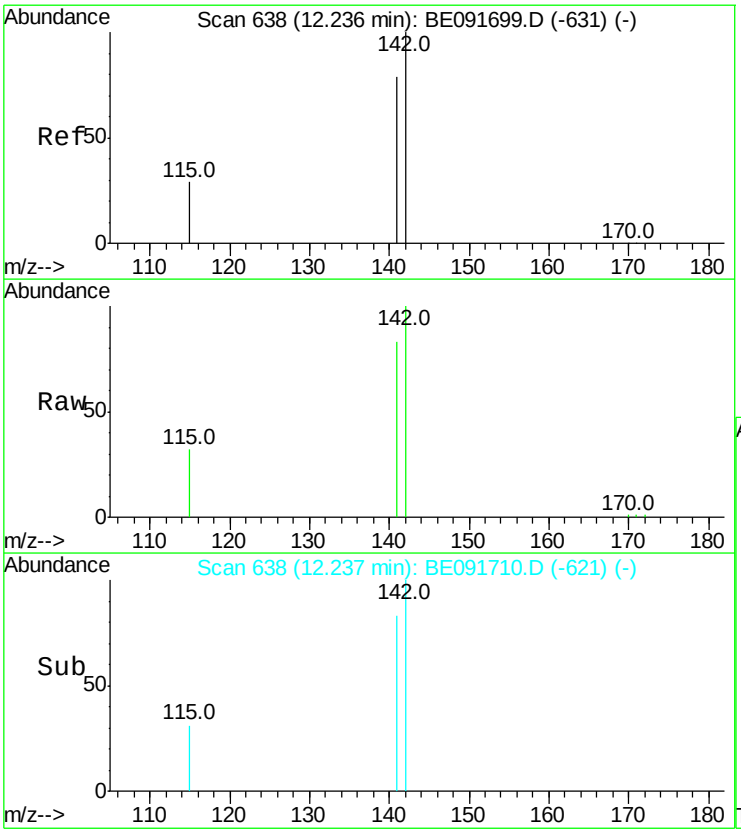
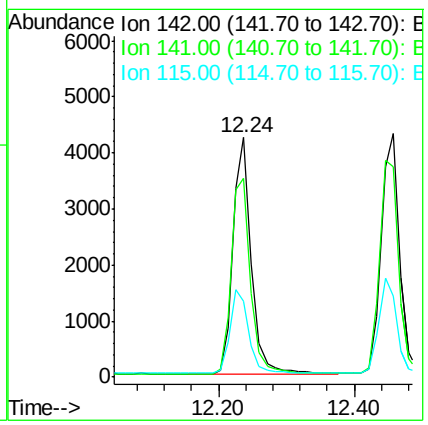
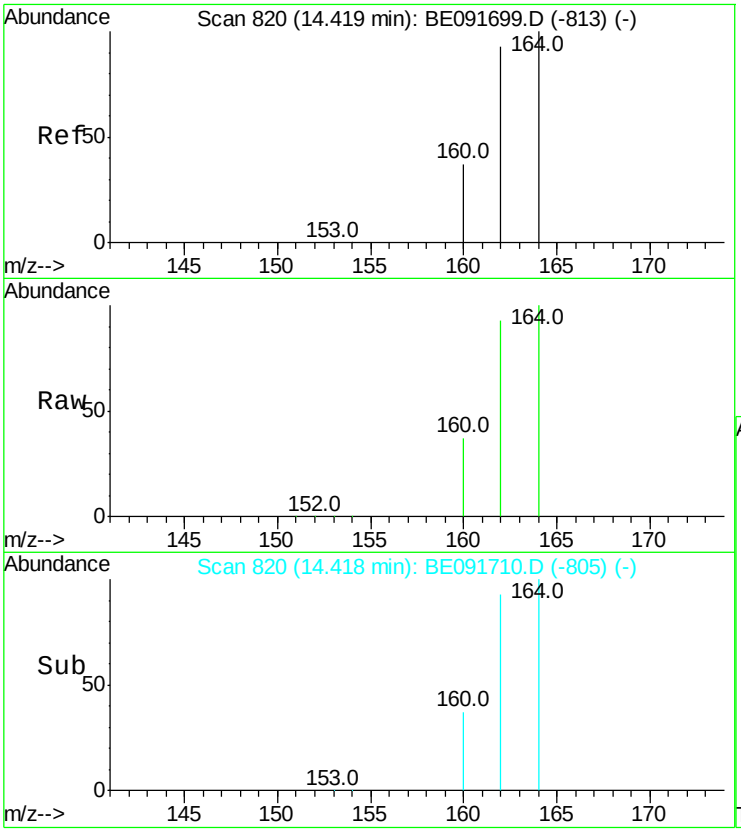


#12
2-Methylnaphthalene
Concen: 0.39 ng
RT: 12.24 min Scan# 638
Delta R.T. 0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:142 Resp: 7929

Ion	Ratio	Lower	Upper
142	100		
141	83.2	71.4	107.0
115	31.8	30.3	45.5





#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.42 min Scan# 820
Delta R.T. -0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:164 Resp: 92781

Ion	Ratio	Lower	Upper
164	100		
162	92.6	85.3	127.9
160	37.3	46.2	69.2#

Instrument :
BNA_E
ClientSampleId :
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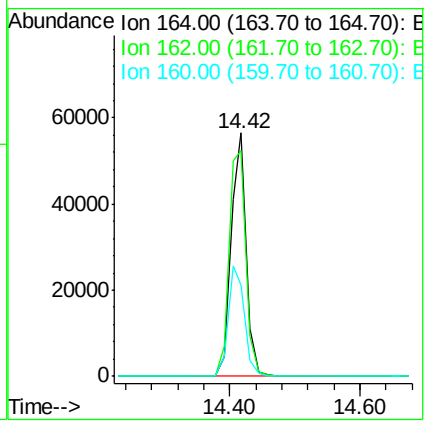
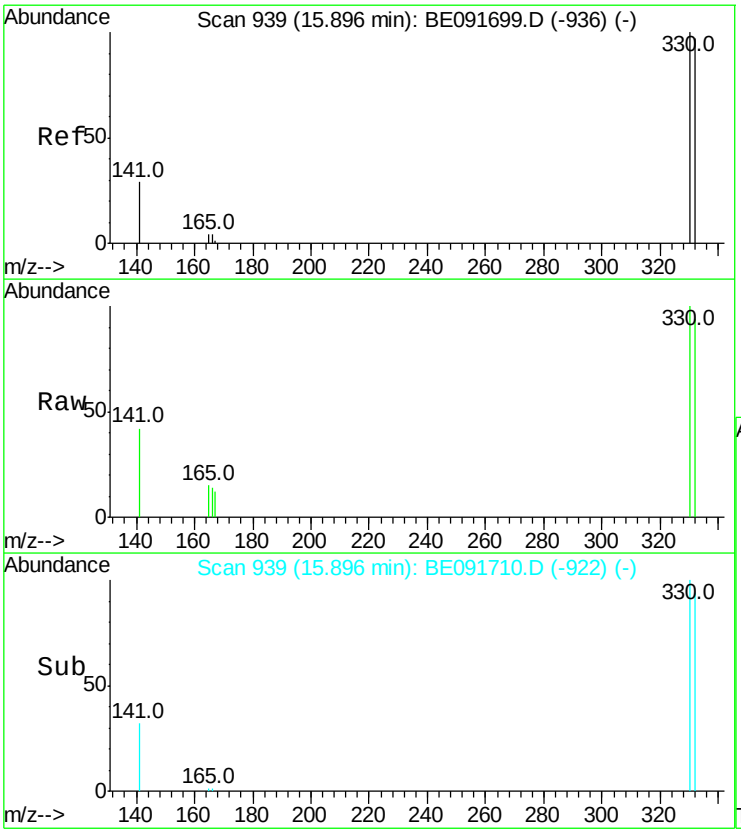
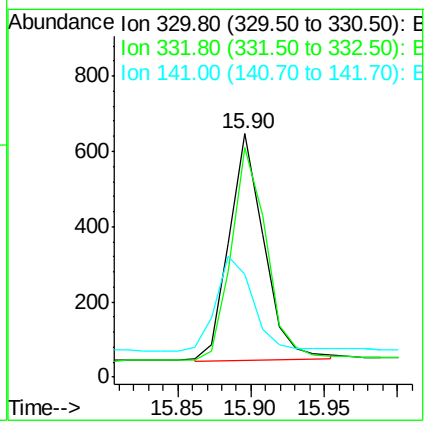


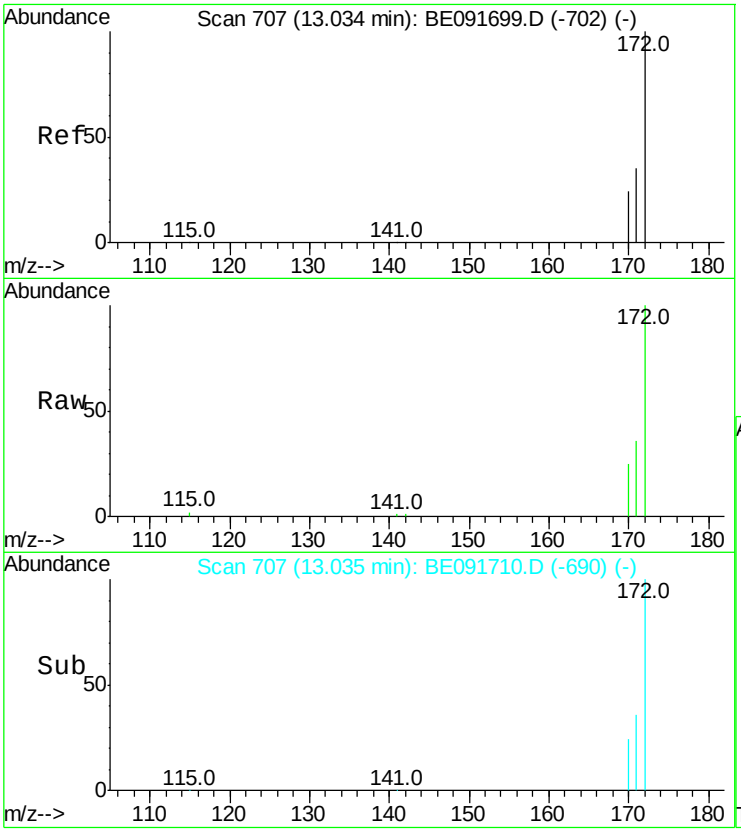


#14
2,4,6-Tribromophenol
Concen: 0.44 ng m
RT: 15.90 min Scan# 939
Delta R.T. 0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:330 Resp: 997

Ion	Ratio	Lower	Upper
330	100		
332	152.7	79.1	118.7#
141	46.2	125.4	188.0#

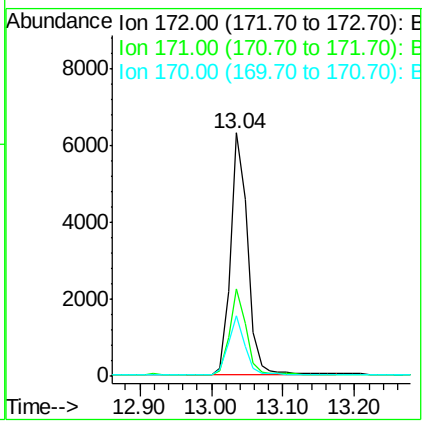




#15
2-Fluorobiphenyl
Concen: 0.39 ng
RT: 13.04 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:172 Resp: 10349

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.8	43.2
170	24.7	19.3	28.9



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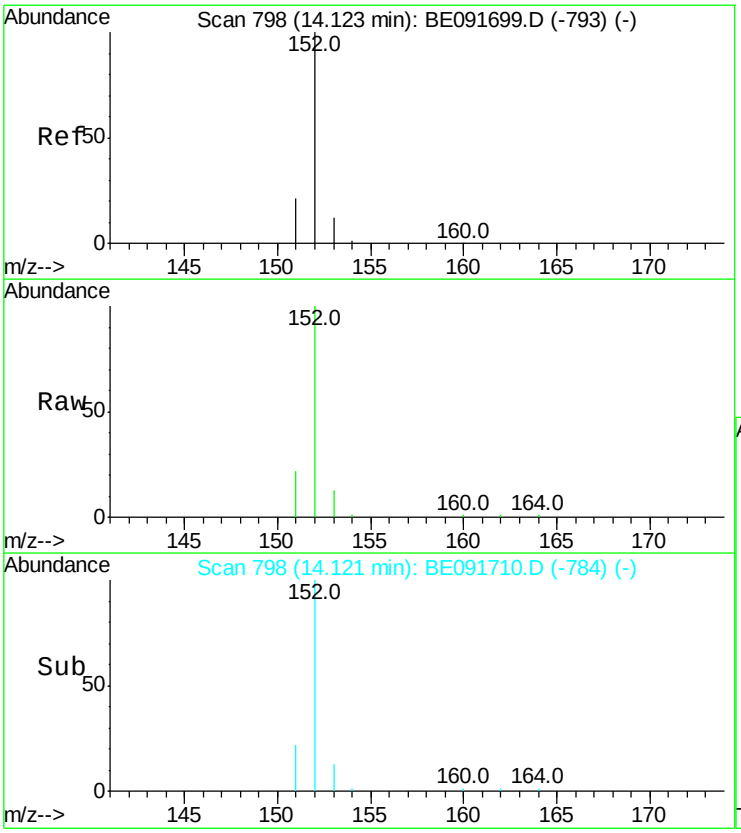
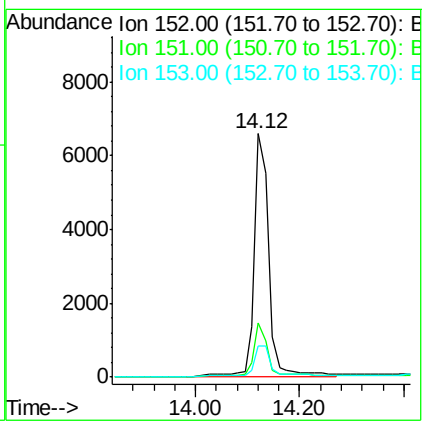
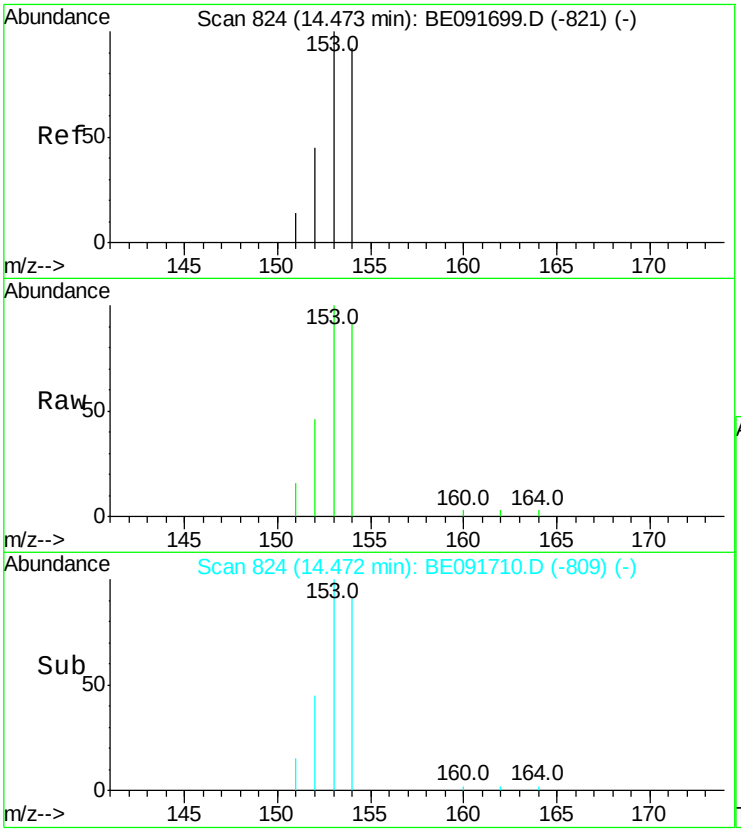


#16
Acenaphthylene
Concen: 0.39 ng
RT: 14.12 min Scan# 798
Delta R.T. -0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:152 Resp: 14044

Ion	Ratio	Lower	Upper
152	100		
151	24.3	3.9	5.9#
153	18.5	10.3	15.5#

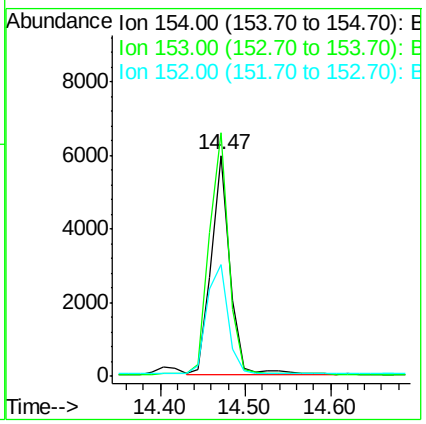




#17
Acenaphthene
Concen: 0.39 ng
RT: 14.47 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:154 Resp: 9057

Ion	Ratio	Lower	Upper
154	100		
153	114.2	80.0	120.0
152	56.5	40.0	60.0



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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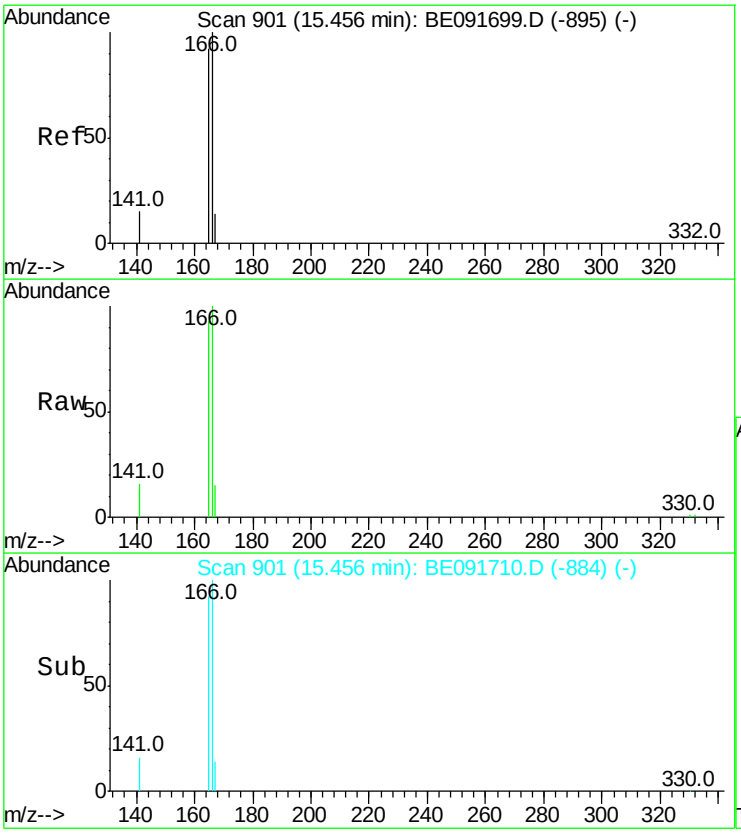
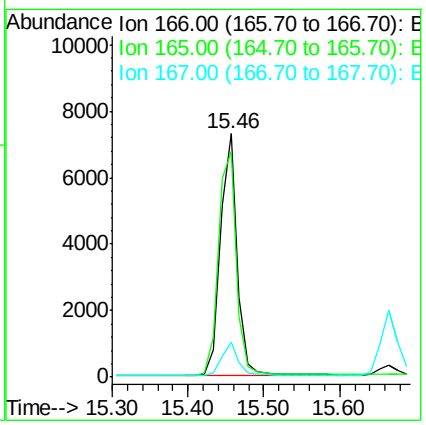
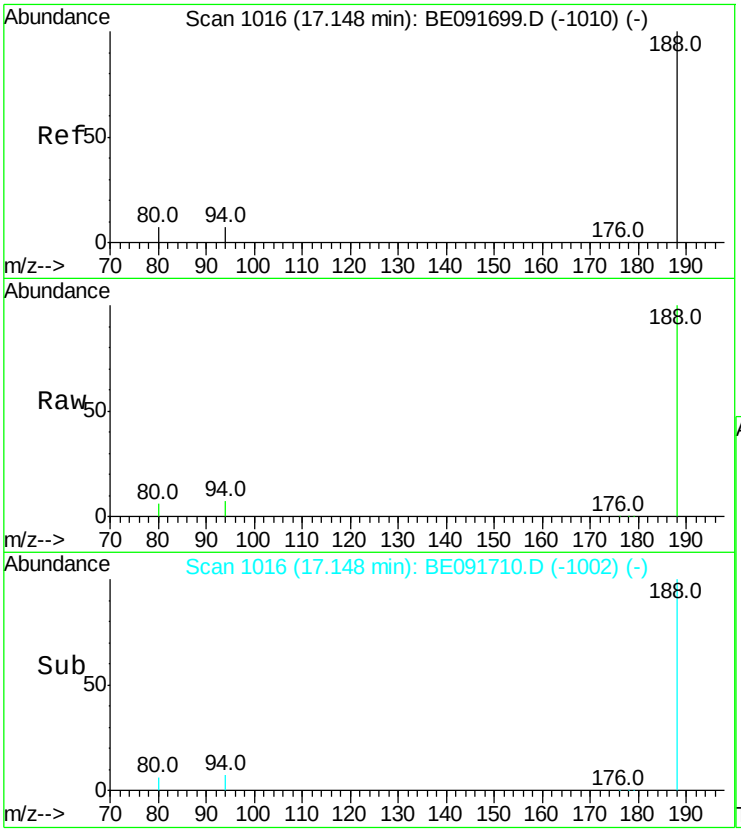


#18
Fluorene
Concen: 0.39 ng
RT: 15.46 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:166 Resp: 11296

Ion	Ratio	Lower	Upper
166	100		
165	100.3	80.8	121.2
167	13.4	10.9	16.3





#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:188 Resp: 236700

Ion	Ratio	Lower	Upper
188	100		
94	6.7	8.7	13.1#
80	6.0	9.4	14.0#

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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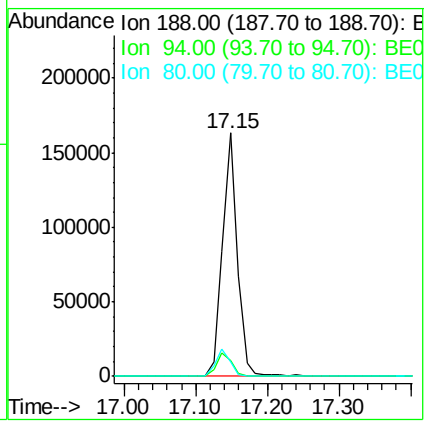
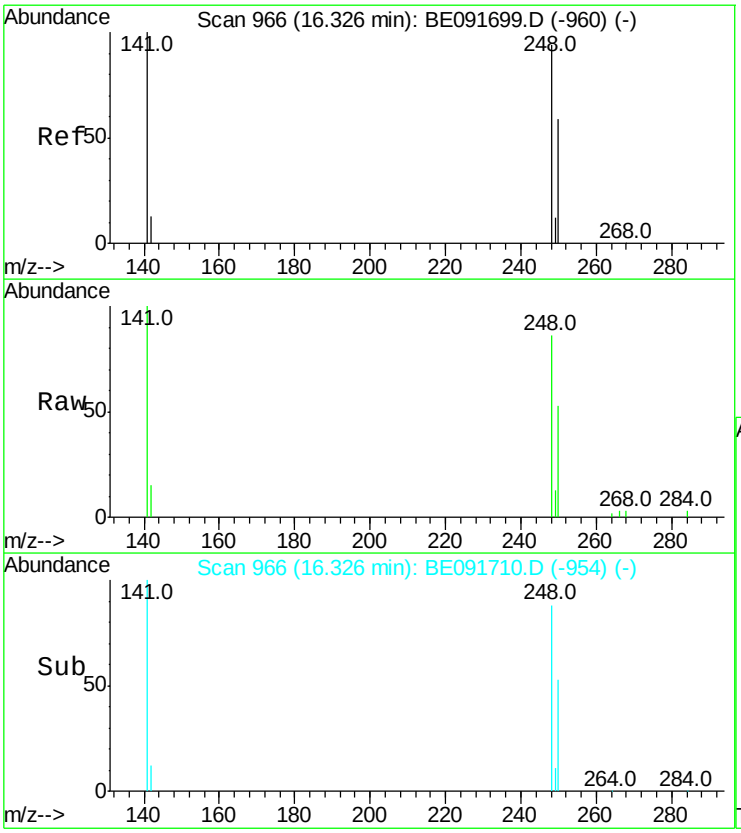
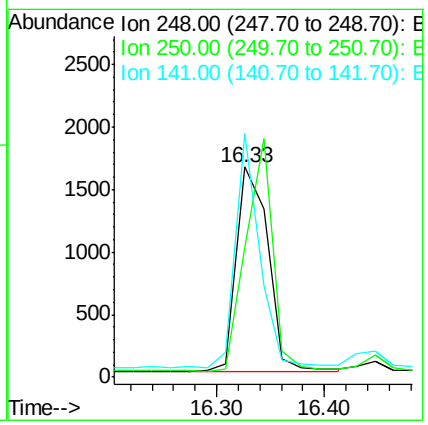


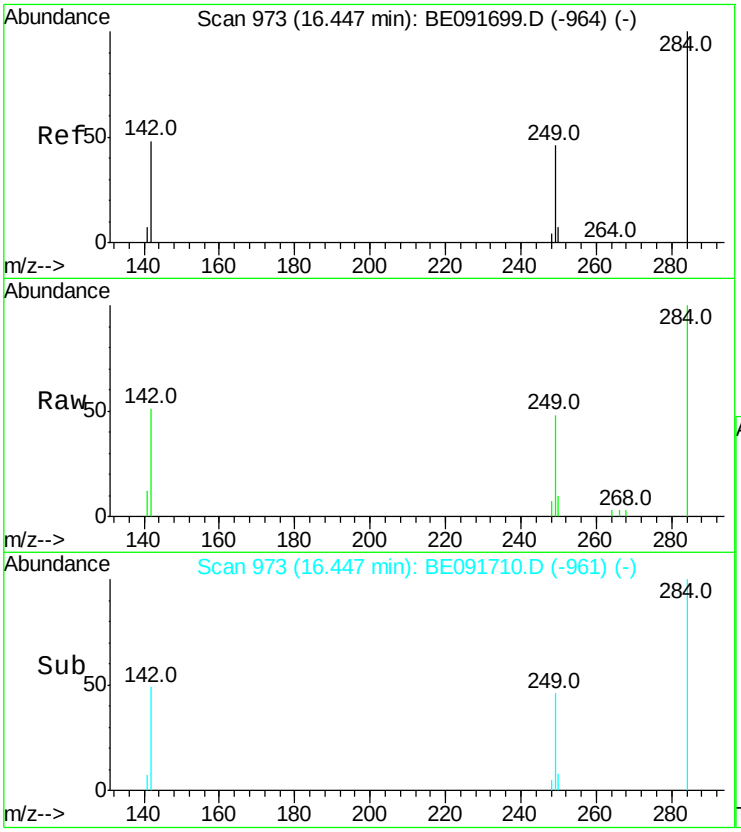


#20
4-Bromophenyl-phenylether
Concen: 0.38 ng
RT: 16.33 min Scan# 966
Delta R.T. -0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:248 Resp: 3259

Ion	Ratio	Lower	Upper
248	100		
250	98.0	80.5	120.7
141	88.2	72.0	108.0

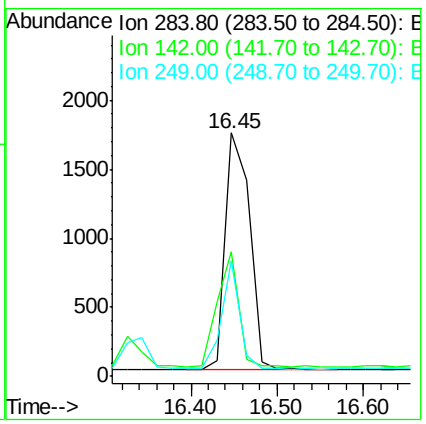




#21
Hexachlorobenzene
Concen: 0.39 ng
RT: 16.45 min Scan# 973
Delta R.T. -0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:284 Resp: 3361

Ion	Ratio	Lower	Upper
284	100		
142	42.9	32.2	48.2
249	34.4	25.4	38.2



Instrument :
BNA_E
ClientSampleId :
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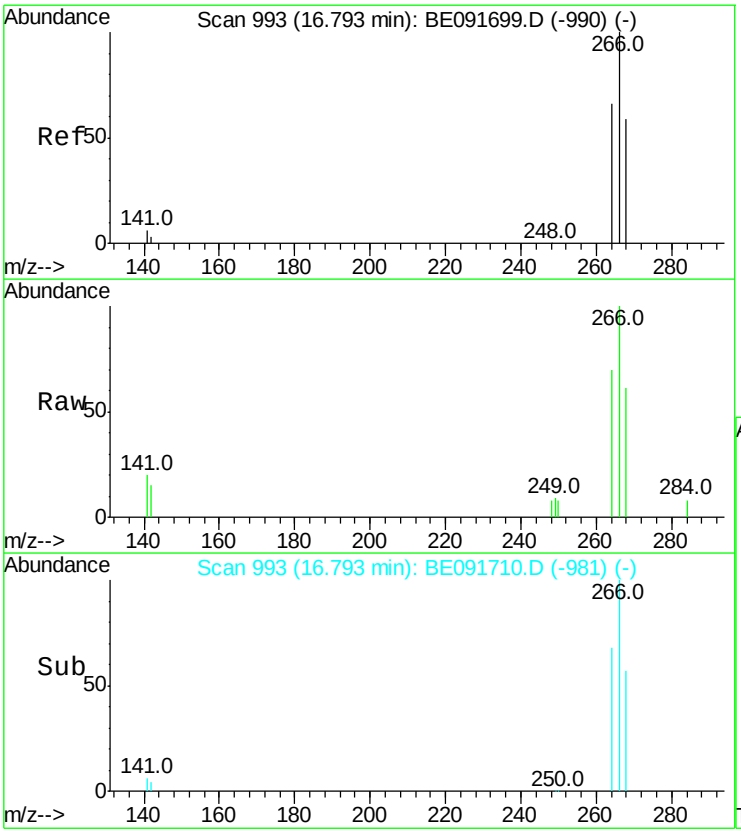
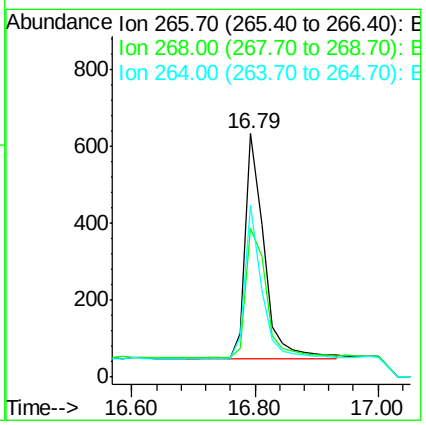
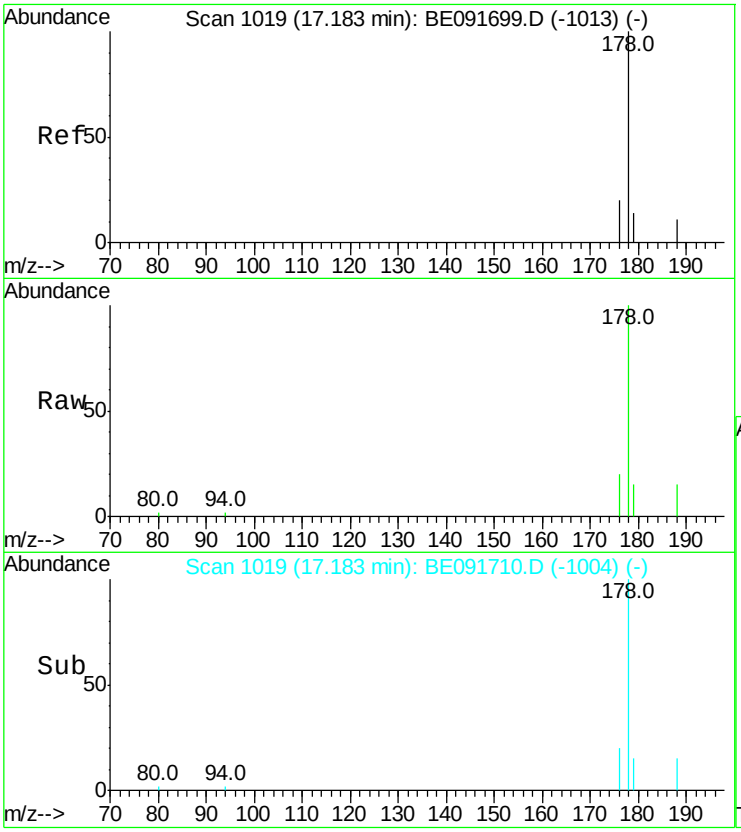


#22
Pentachlorophenol
Concen: 0.36 ng
RT: 16.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:266 Resp: 1228

Ion	Ratio	Lower	Upper
266	100		
268	61.0	58.2	87.2
264	70.5	56.2	84.4

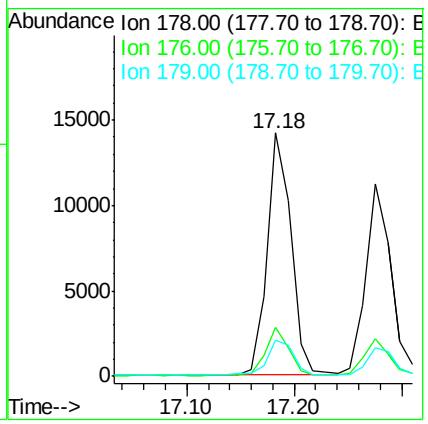




#23
Phenanthrene
Concen: 0.41 ng
RT: 17.18 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:178 Resp: 22087

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.9	12.6	18.8



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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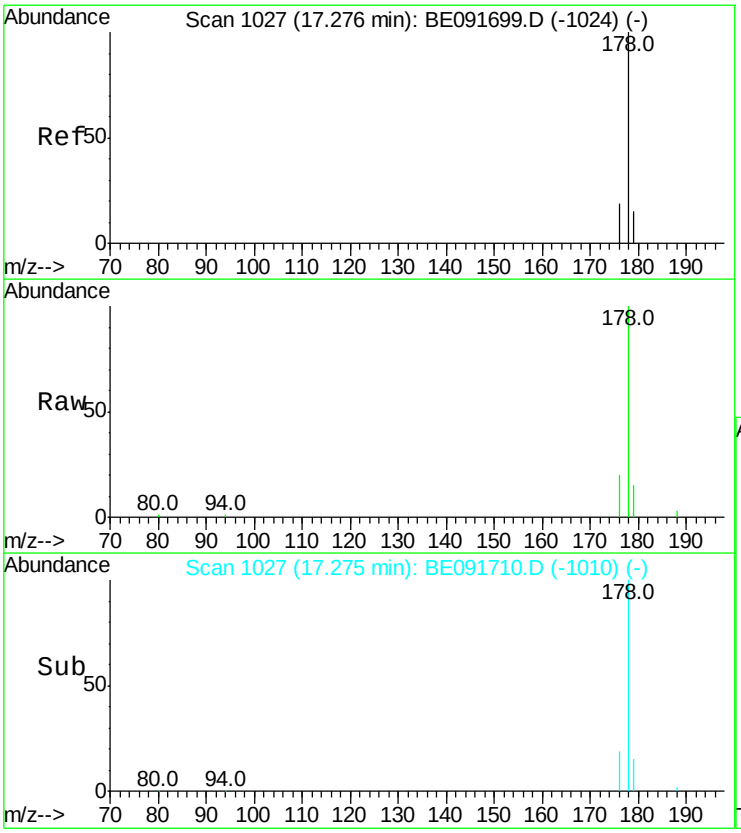
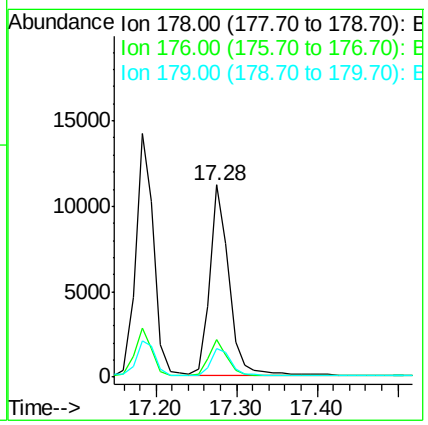
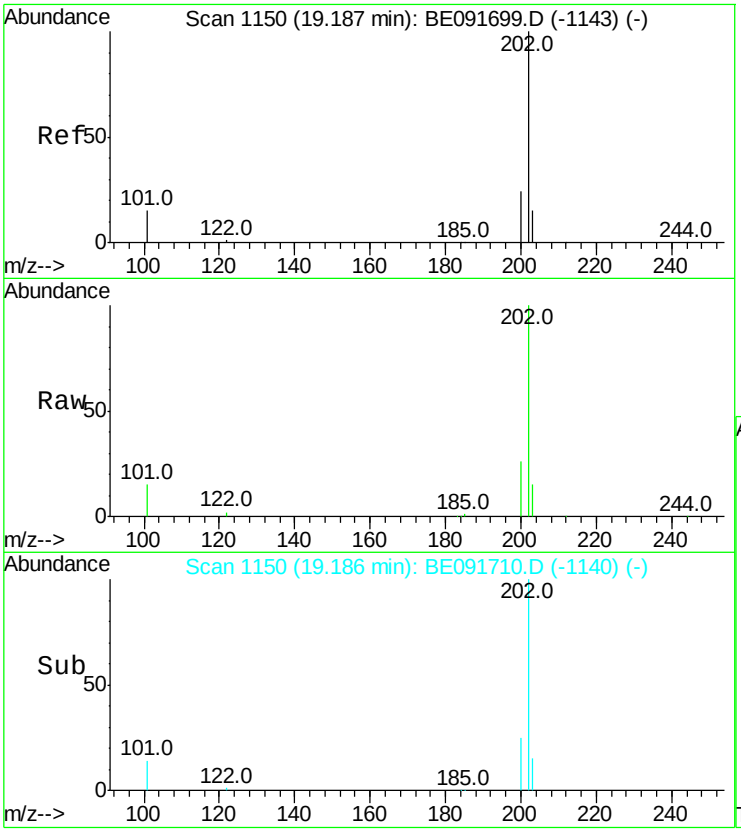


#24
Anthracene
Concen: 0.38 ng
RT: 17.28 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:178 Resp: 18573

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.6	21.8
179	15.2	11.8	17.6

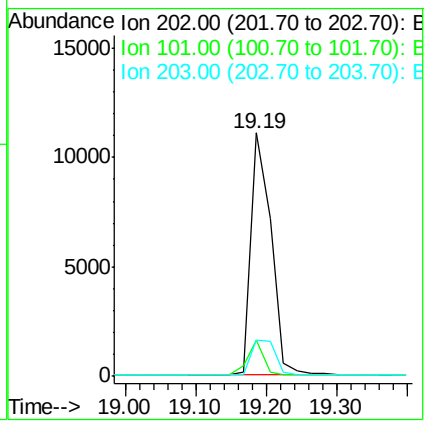




#25
Fluoranthene
Concen: 0.40 ng
RT: 19.19 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:202 Resp: 22370

Ion	Ratio	Lower	Upper
202	100		
101	11.5	11.0	16.6
203	17.5	13.9	20.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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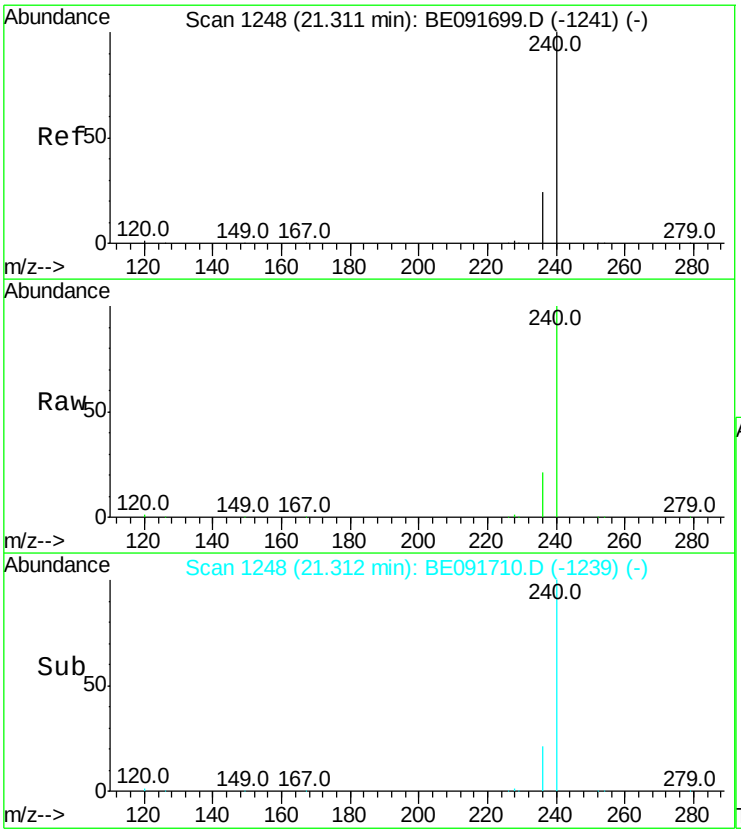
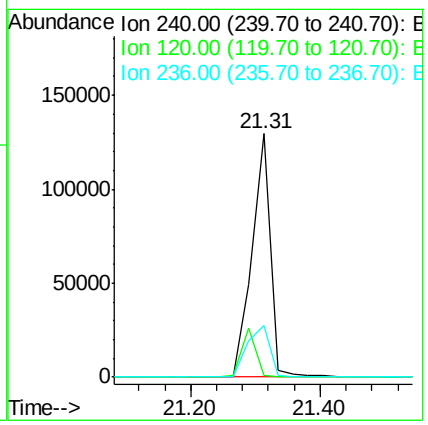
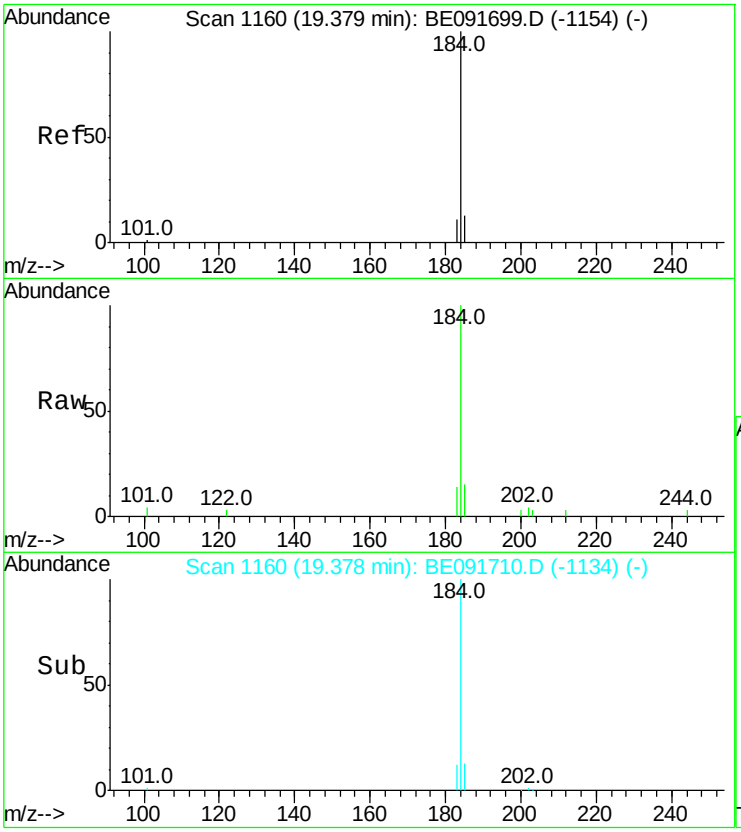


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:240 Resp: 257015

Ion	Ratio	Lower	Upper
240	100		
120	0.9	11.0	16.4#
236	21.5	21.7	32.5#





#27
Benzidine
Concen: 0.42 ng
RT: 19.38 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:184 Resp: 5465

Ion	Ratio	Lower	Upper
184	100		
185	15.4	22.3	33.5#
183	14.2	16.4	24.6#

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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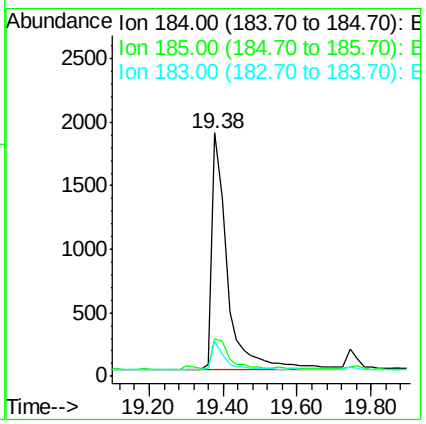
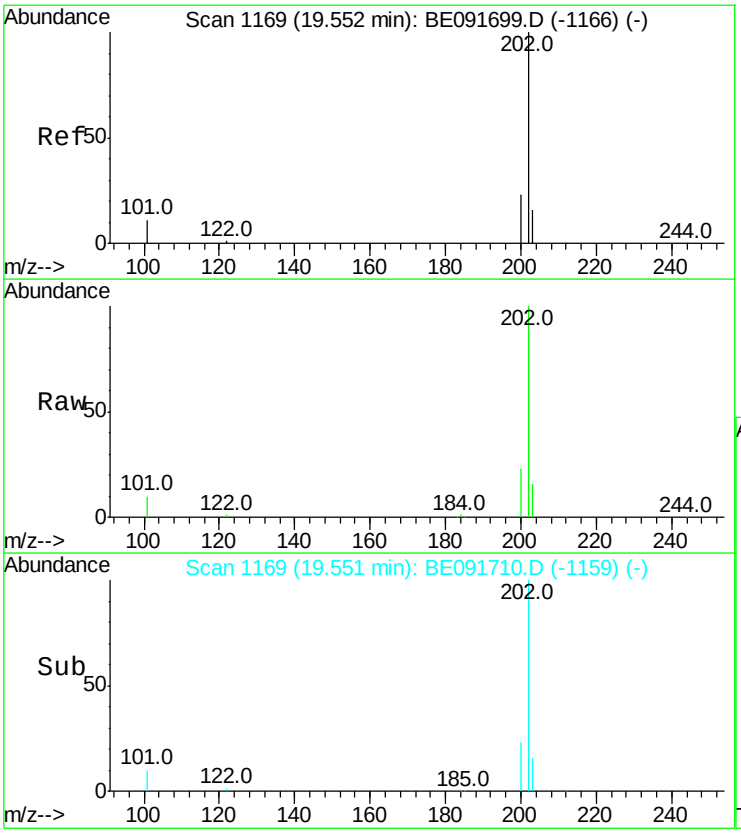
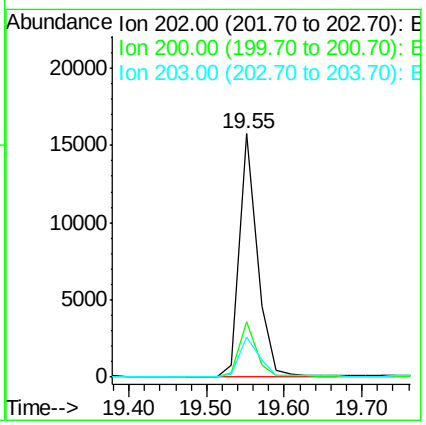


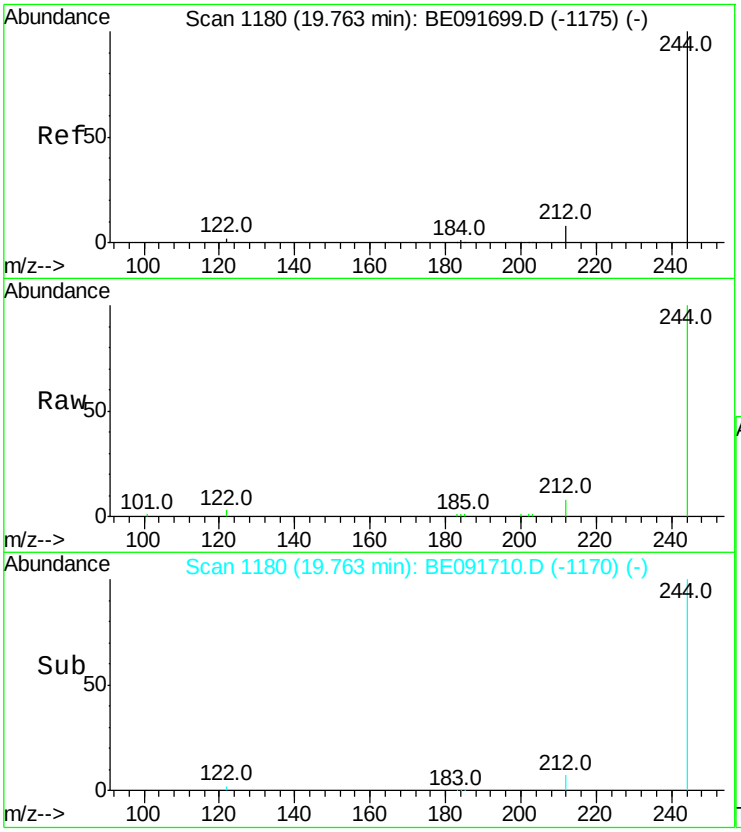


#28
Pyrene
Concen: 0.43 ng
RT: 19.55 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:202 Resp: 24931

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.8	25.2
203	17.4	14.0	21.0





#29
Terphenyl-d14
Concen: 0.43 ng
RT: 19.76 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:244 Resp: 17219

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.9	10.3
122	2.8	11.0	16.4#

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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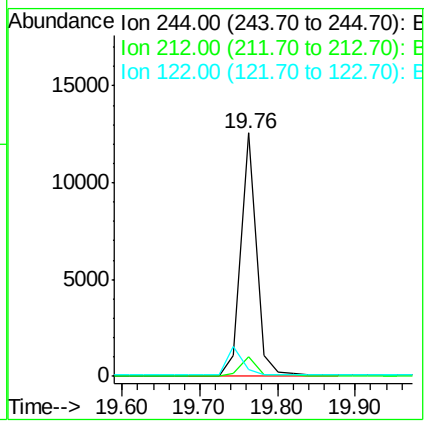
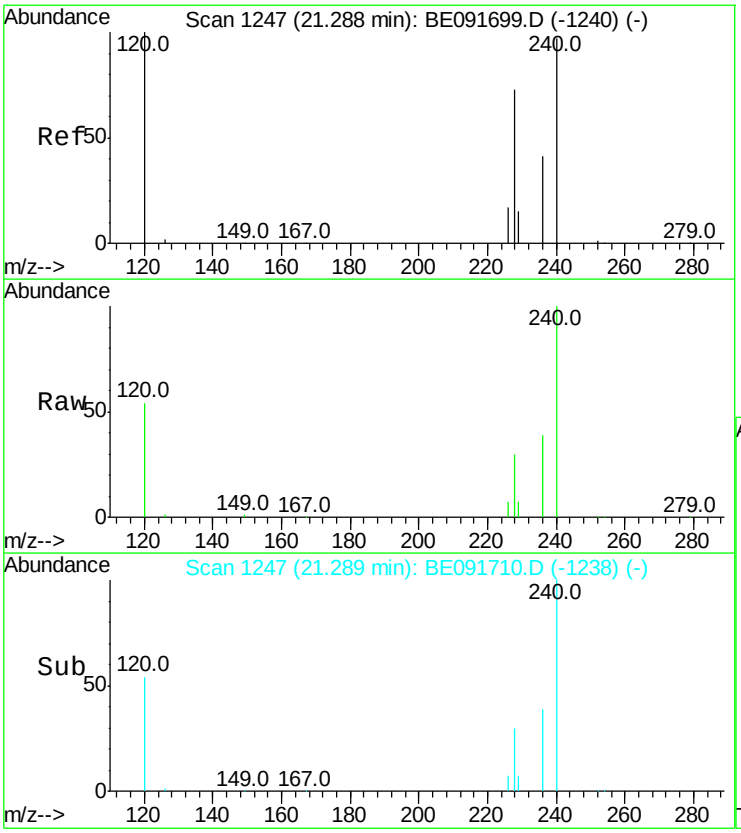
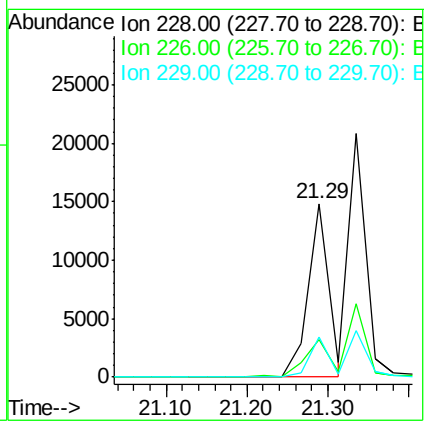


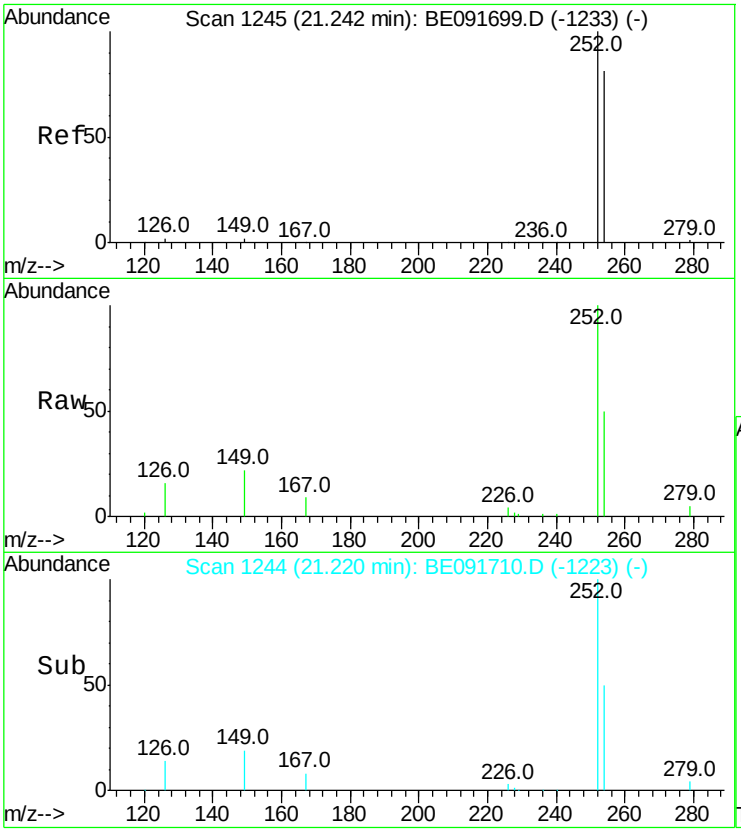


#30
Benzo(a)anthracene
Concen: 0.41 ng
RT: 21.29 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:228 Resp: 26047

Ion	Ratio	Lower	Upper
228	100		
226	22.0	21.0	31.4
229	23.0	15.7	23.5





#31
3,3'-Dichlorobenzidine
Concen: 0.39 ng
RT: 21.22 min Scan# 1244
Delta R.T. -0.02 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:252 Resp: 12628

Ion	Ratio	Lower	Upper
252	100		
254	50.0	51.1	76.7#
126	15.6	12.6	18.8

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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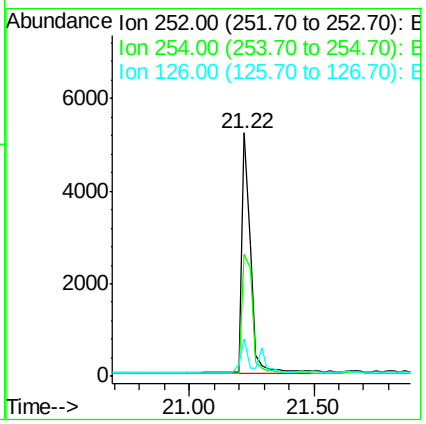
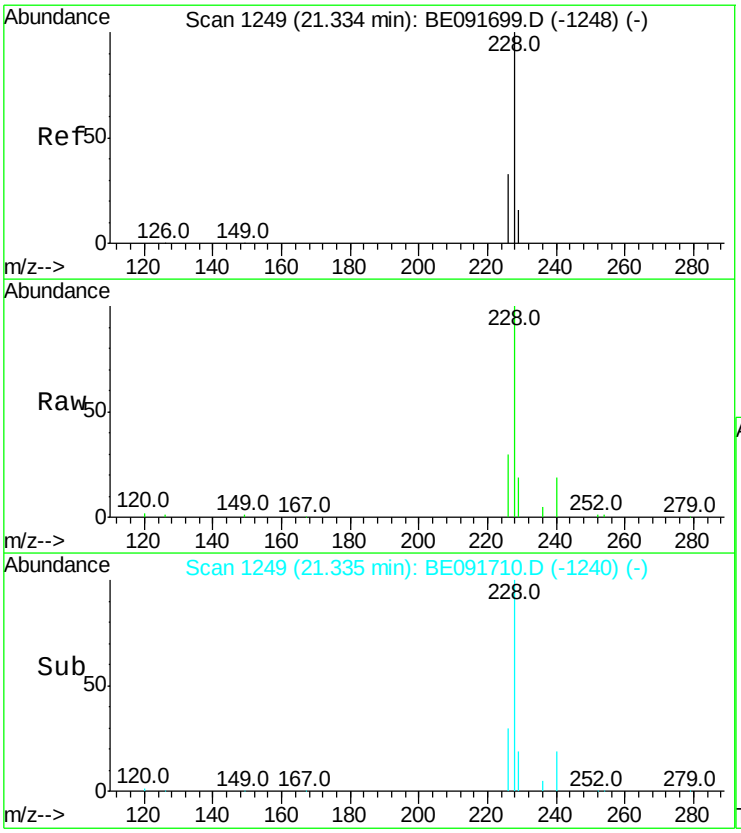
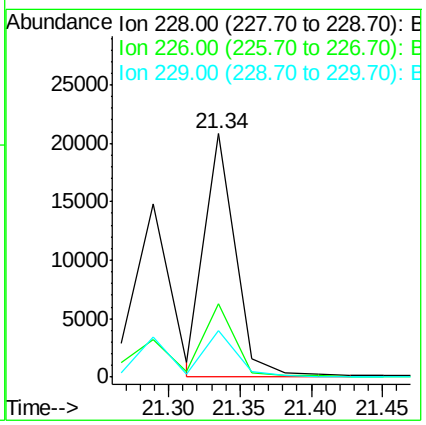


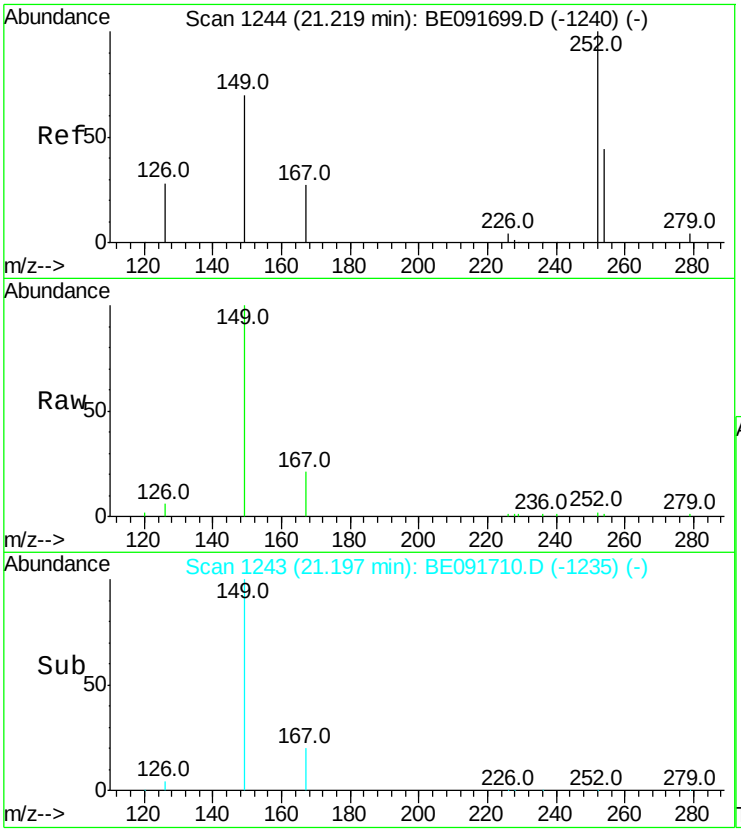


#32
Chrysene
Concen: 0.49 ng m
RT: 21.34 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:228 Resp: 31959

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	18.9	15.9	23.9





#33
Bis(2-ethylhexyl)phthalate
Concen: 0.39 ng
RT: 21.20 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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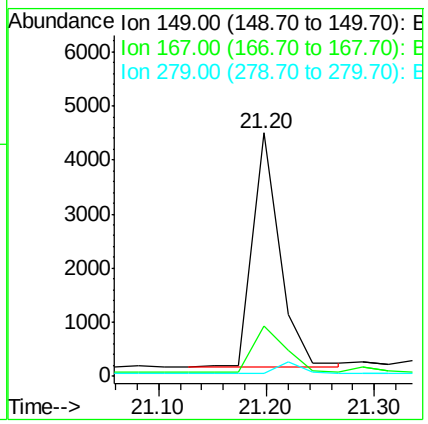
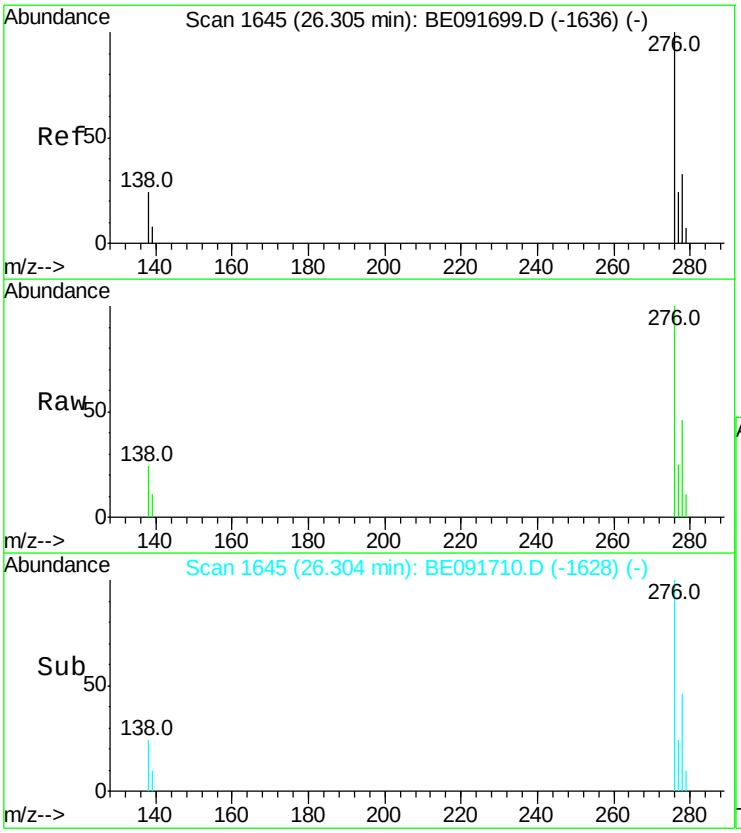
Tgt Ion:149 Resp: 7506

Ion	Ratio	Lower	Upper
149	100		
167	24.0	19.5	29.3
279	0.0	10.0	15.0#

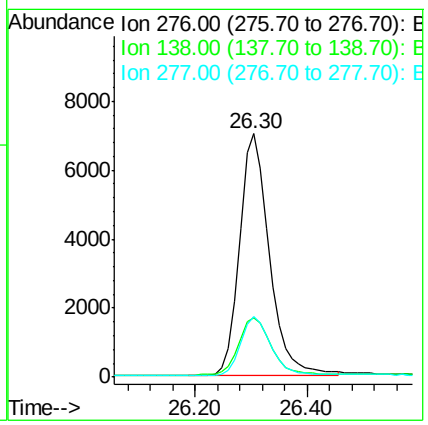


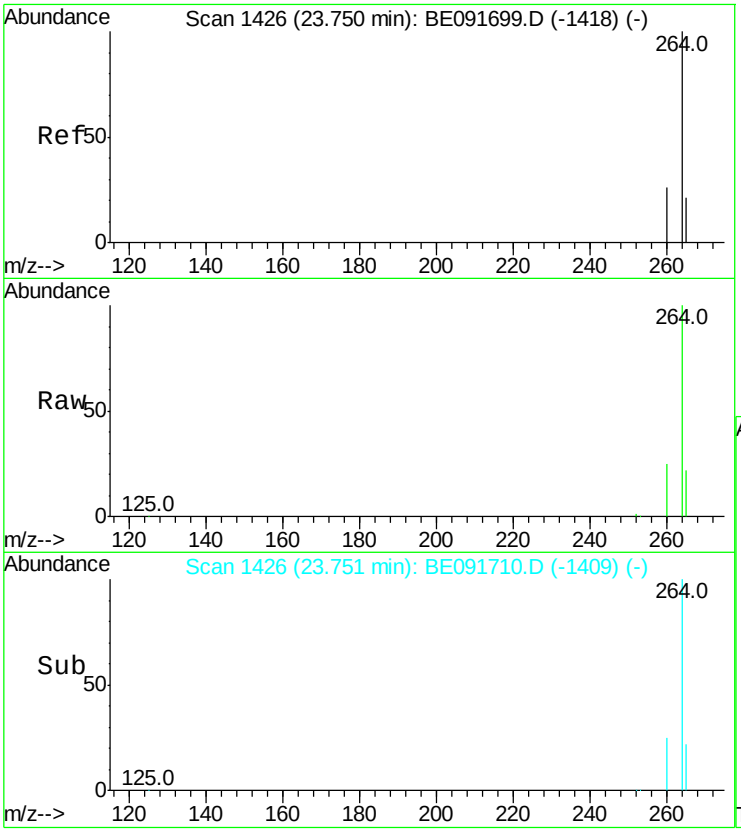


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.45 ng
RT: 26.30 min Scan# 1645
Delta R.T. -0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:276 Resp: 26182

Ion	Ratio	Lower	Upper
276	100		
138	25.6	23.4	35.2
277	24.7	19.8	29.8

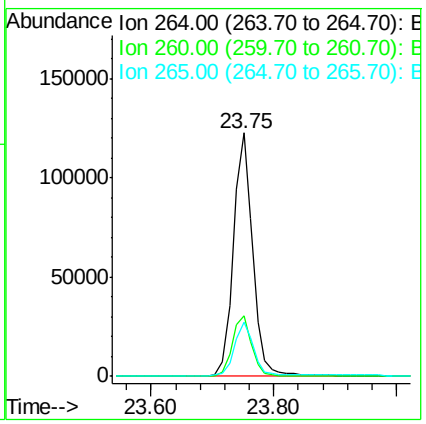




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.75 min Scan# 1426
Delta R.T. 0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:264 Resp: 268682

Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.0	30.0
265	22.1	17.5	26.3



Instrument :
BNA_E
ClientSampleId :
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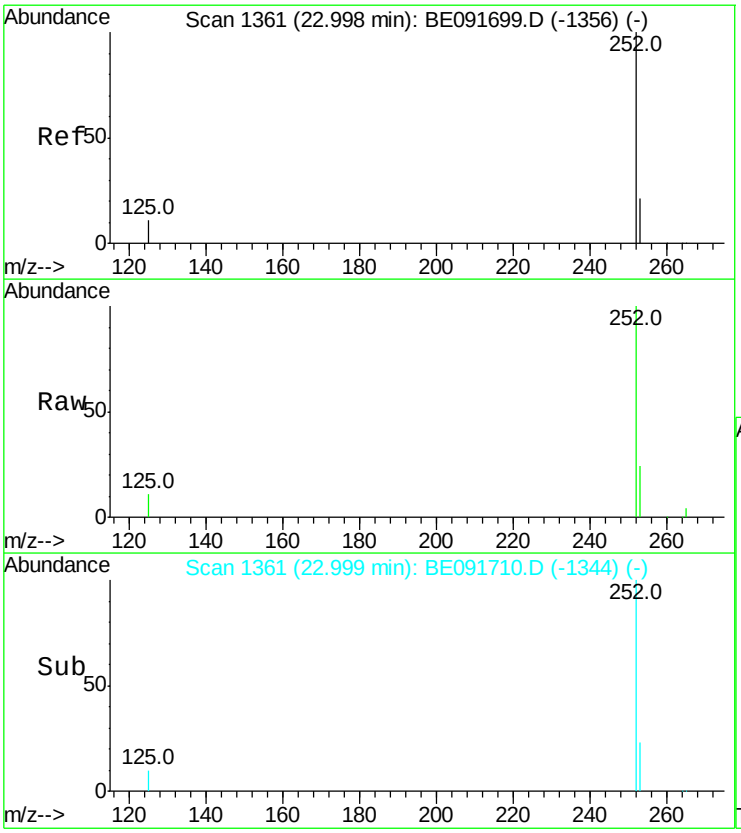
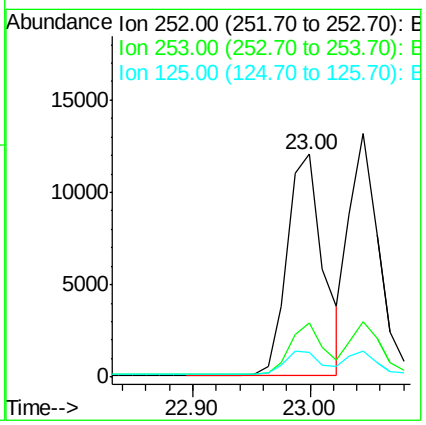
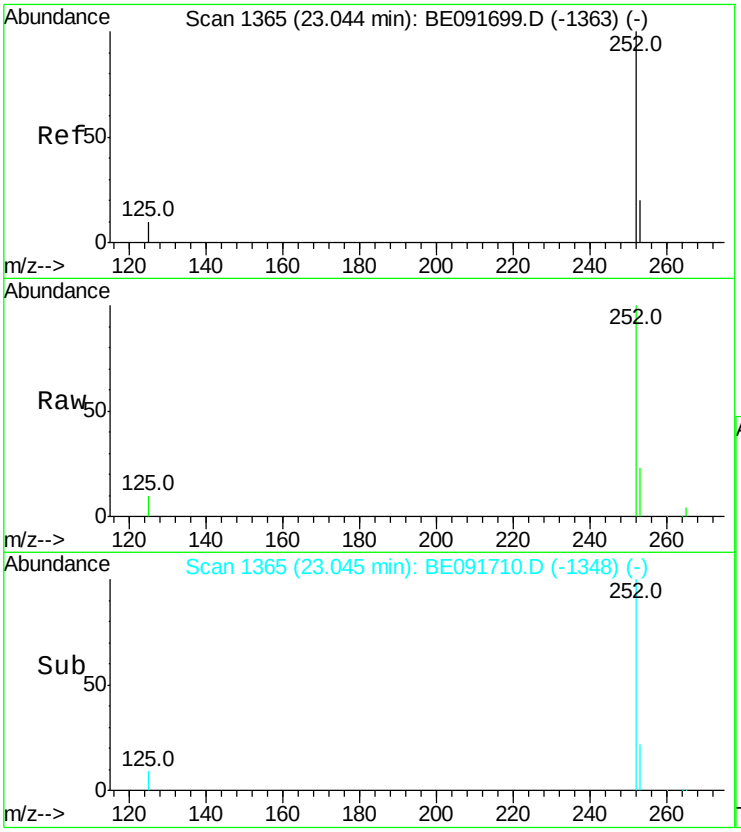


#36
Benzo(b)fluoranthene
Concen: 0.40 ng
RT: 23.00 min Scan# 1361
Delta R.T. 0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:252 Resp: 25427

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.0
125	10.9	10.2	15.2

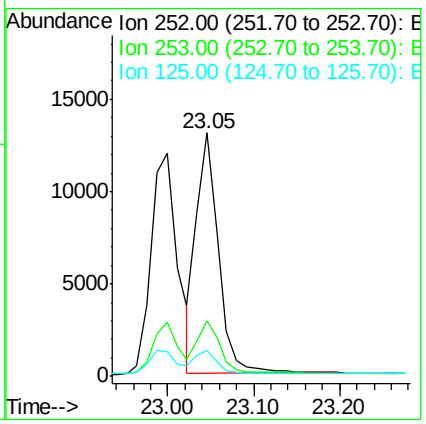




#37
Benzo(k)fluoranthene
Concen: 0.36 ng
RT: 23.05 min Scan# 1365
Delta R.T. 0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

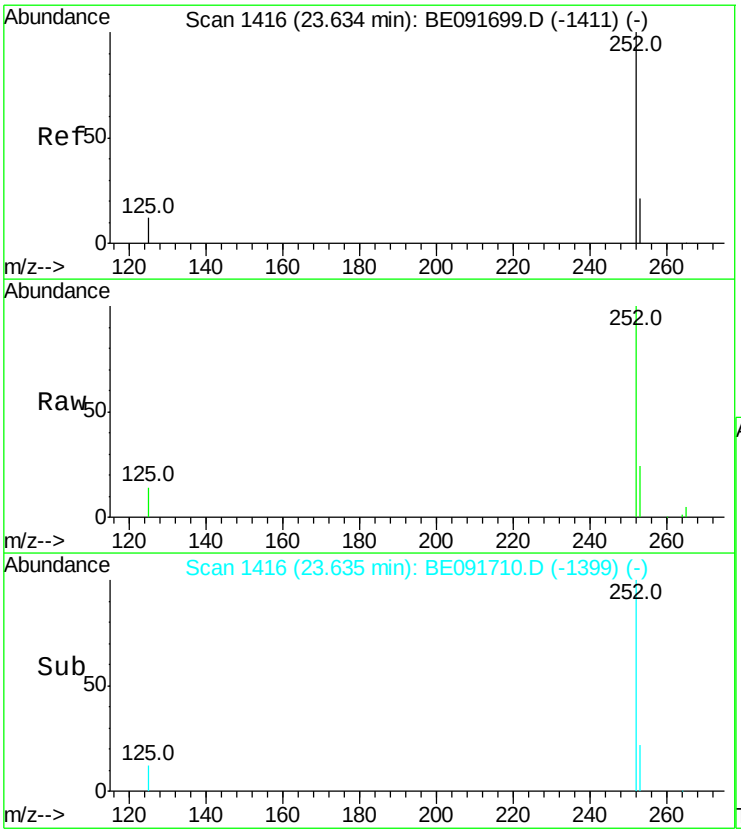
Tgt Ion:252 Resp: 23206

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	10.5	9.9	14.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

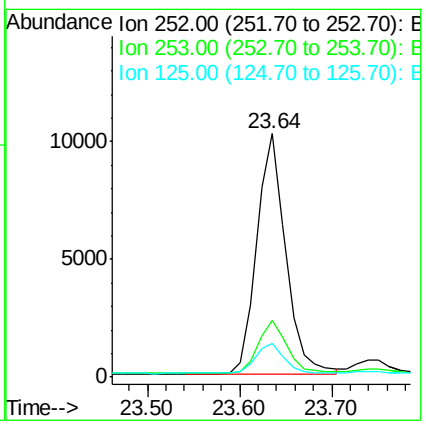
Manual Integrations APPROVED
sohil
4/27/2016 7:05:38 PM

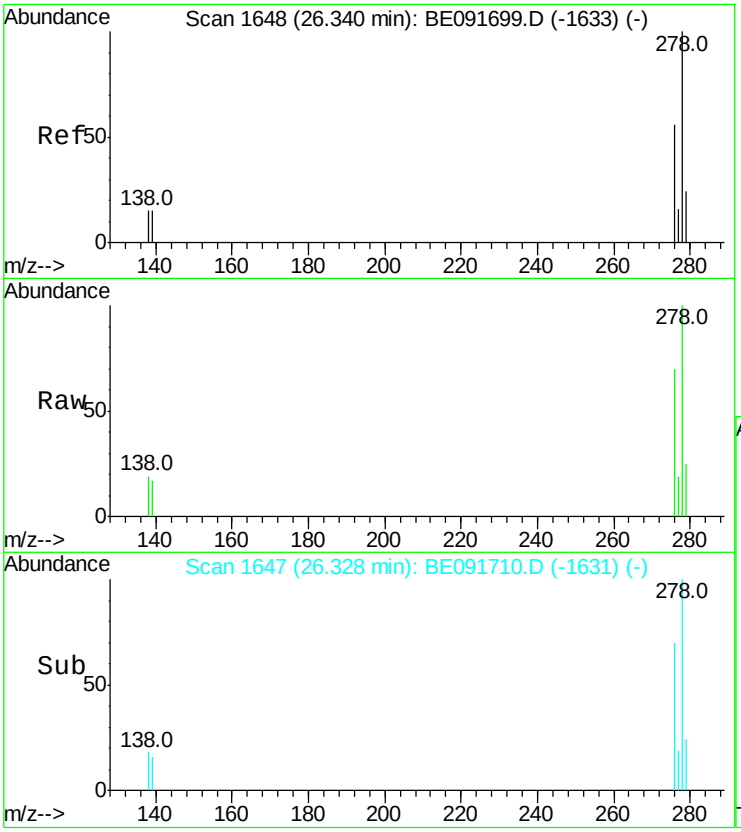


#38
Benzo(a)pyrene
Concen: 0.38 ng
RT: 23.64 min Scan# 1416
Delta R.T. 0.00 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:252 Resp: 22236

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	13.7	11.0	16.4

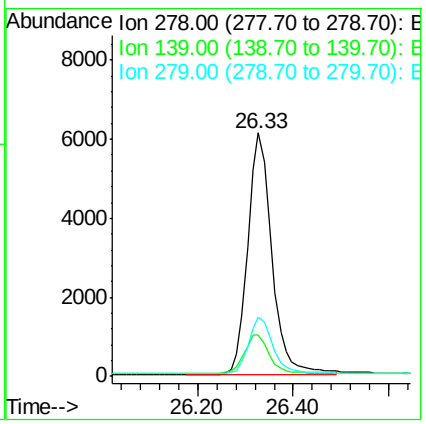




#39
Dibenzo(a,h)anthracene
Concen: 0.38 ng
RT: 26.33 min Scan# 1647
Delta R.T. -0.01 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

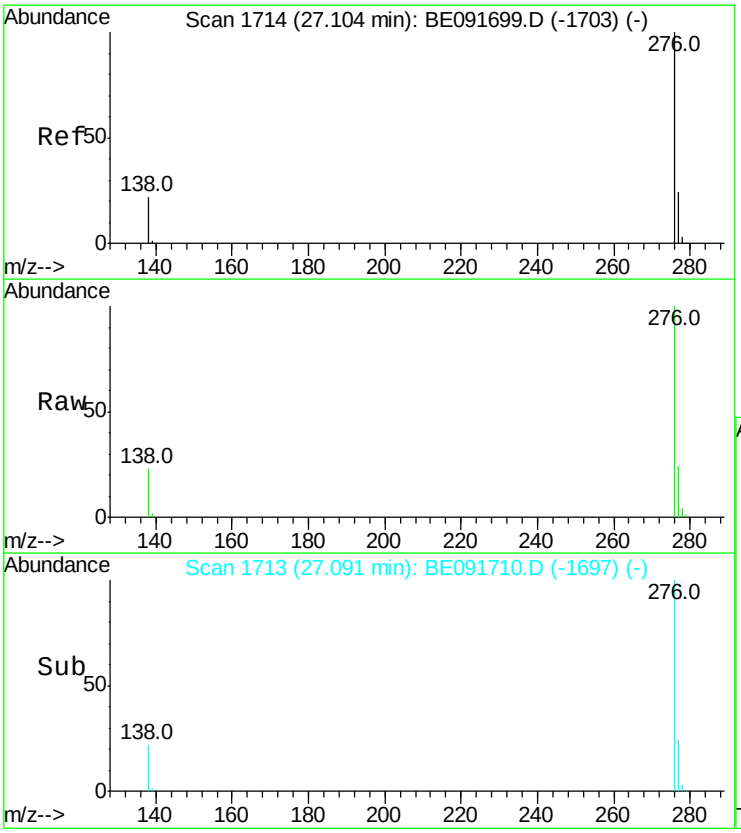
Tgt Ion:278 Resp: 21438

Ion	Ratio	Lower	Upper
278	100		
139	16.8	16.0	24.0
279	24.6	19.4	29.2



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
sohil
4/27/2016 7:05:38 PM



#40
Benzo(g,h,i)perylene
Concen: 0.38 ng
RT: 27.09 min Scan# 1713
Delta R.T. -0.01 min
Lab File: BE091710.D
Acq: 26 Apr 2016 18:43

Tgt Ion:276 Resp: 21682

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.6	28.0
138	23.2	20.4	30.6