Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051916\
Data File : BE091817.D
Acq On : 19 May 2016 19:28
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 20 05:12:06 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

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	21524	5.00	ng		-0.02
7) Naphthalene-d8	10.55	136	107818	5.00	ng		-0.02
13) Acenaphthene-d10	14.41	164	73223	5.00	ng		-0.01
19) Phenanthrene-d10	17.14	188	229340	5.00	ng		-0.01
26) Chrysene-d12	21.29	240	289346	5.00	ng		-0.02
35) Perylene-d12	23.73	264	239744	5.00	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	2069	0.37	ng		0.00
5) Phenol-d6	6.95	99	2717	0.34	ng		0.00
8) Nitrobenzene-d5	8.95	82	2546	0.36	ng		0.00
14) 2,4,6-Tribromophenol	15.88	330	958	0.34	ng		-0.01
15) 2-Fluorobiphenyl	13.02	172	7996	0.39	ng		-0.01
29) Terphenyl-d14	19.74	244	14871	0.36	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.33	88	1135	0.45	ng	#	92
3) n-Nitrosodimethylamine	3.63	42	1175	0.34	ng		98
6) bis(2-Chloroethyl)ether	7.21	93	2266	0.36	ng	#	76
9) Nitrobenzene	8.98	77	2514	0.34	ng	#	93
10) Naphthalene	10.61	128	9117	0.38	ng		99
11) Hexachlorobutadiene	10.90	225	1395m	0.39	ng		
12) 2-Methylnaphthalene	12.23	142	5978	0.37	ng		98
16) Acenaphthylene	14.12	152	12227	0.37	ng	#	73
17) Acenaphthene	14.46	154	7184	0.37	ng		86
18) Fluorene	15.44	166	9748	0.38	ng		99
20) 4-Bromophenyl-phenylether	16.33	248	2854	0.33	ng		96
21) Hexachlorobenzene	16.45	284	3129	0.35	ng		99
22) Pentachlorophenol	16.79	266	1244	0.34	ng		94
23) Phenanthrene	17.17	178	19717	0.34	ng		98
24) Anthracene	17.26	178	17314	0.35	ng		99
25) Fluoranthene	19.19	202	21896	0.36	ng	#	97
27) Benzidine	19.38	184	5861	0.34	ng	#	81
28) Pyrene	19.55	202	22307	0.35	ng		100
30) Benzo(a)anthracene	21.27	228	25742m	0.37	ng		
31) 3,3'-Dichlorobenzidine	21.22	252	13991	0.32	ng	#	88
32) Chrysene	21.31	228	22451m	0.41	ng		
33) Bis(2-ethylhexyl)phthalate	21.20	149	9277	0.47	ng	#	84
34) Indeno(1,2,3-cd)pyrene	26.27	276	25609	0.36	ng		95
36) Benzo(b)fluoranthene	22.97	252	22856	0.38	ng		96
37) Benzo(k)fluoranthene	23.02	252	22944	0.37	ng		99
38) Benzo(a)pyrene	23.61	252	21675	0.38	ng		98
39) Dibenzo(a,h)anthracene	26.29	278	20932	0.37	ng		95
40) Benzo(g,h,i)perylene	27.05	276	21935	0.38	ng		97

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051916\
Data File : BE091817.D
Acq On : 19 May 2016 19:28
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 20 05:12:06 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

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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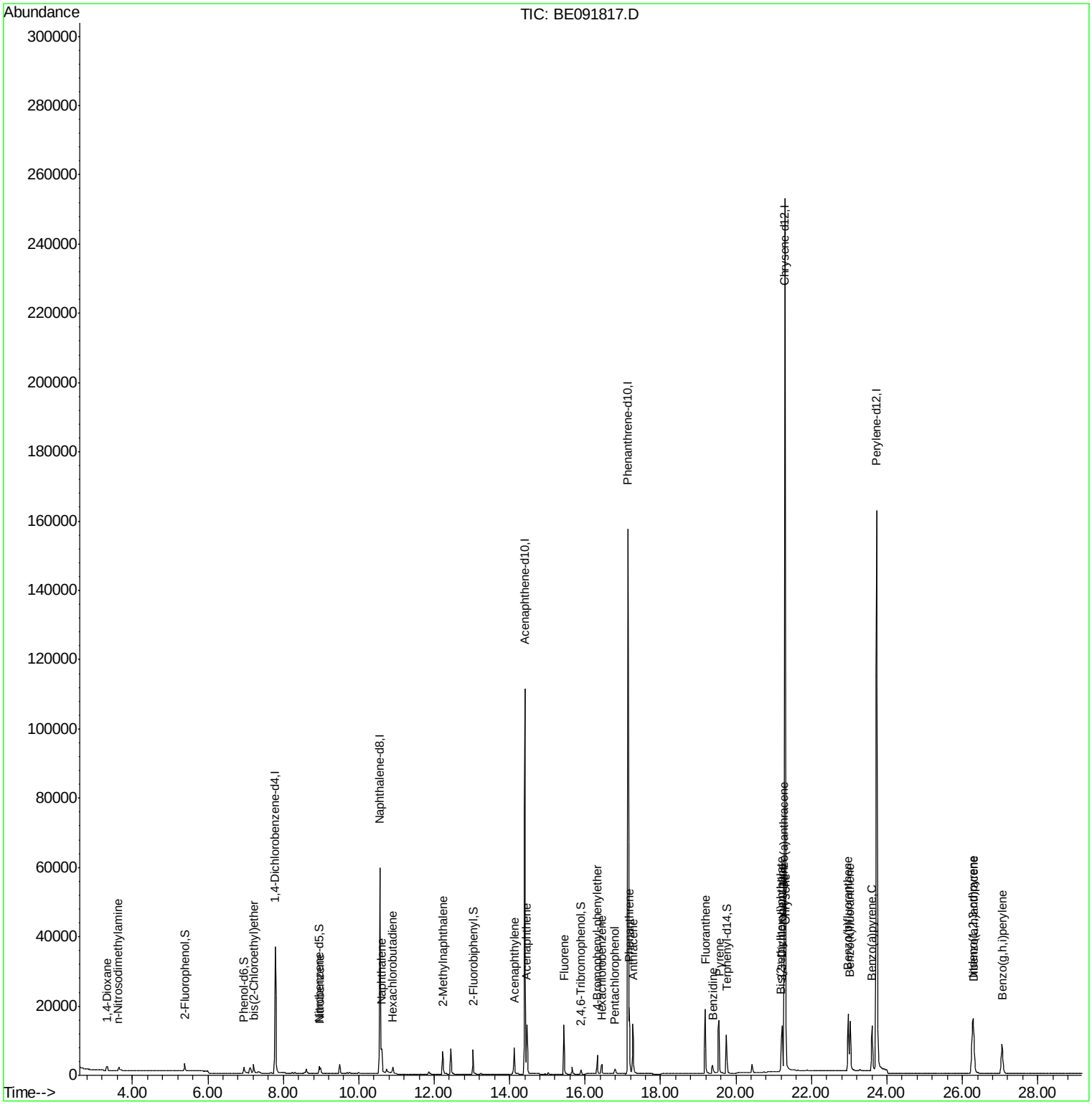
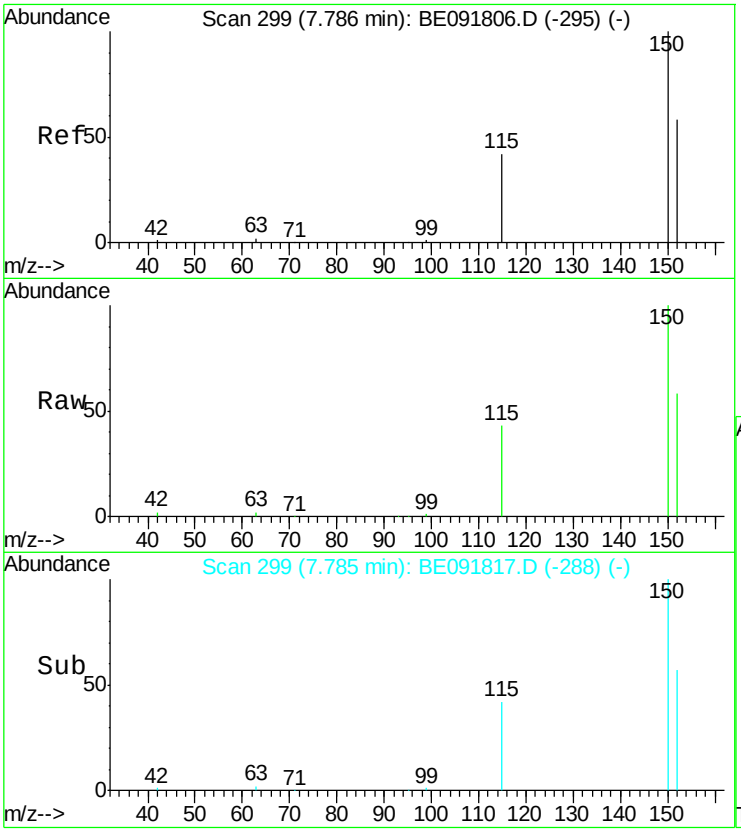
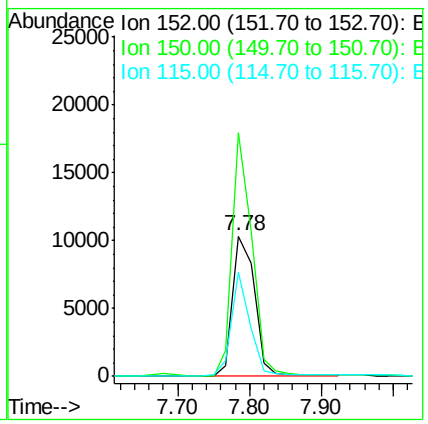




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.78 min Scan# 299
Delta R.T. -0.02 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:152 Resp: 21524

Ion	Ratio	Lower	Upper
152	100		
150	173.7	122.6	183.8
115	74.3	52.8	79.2



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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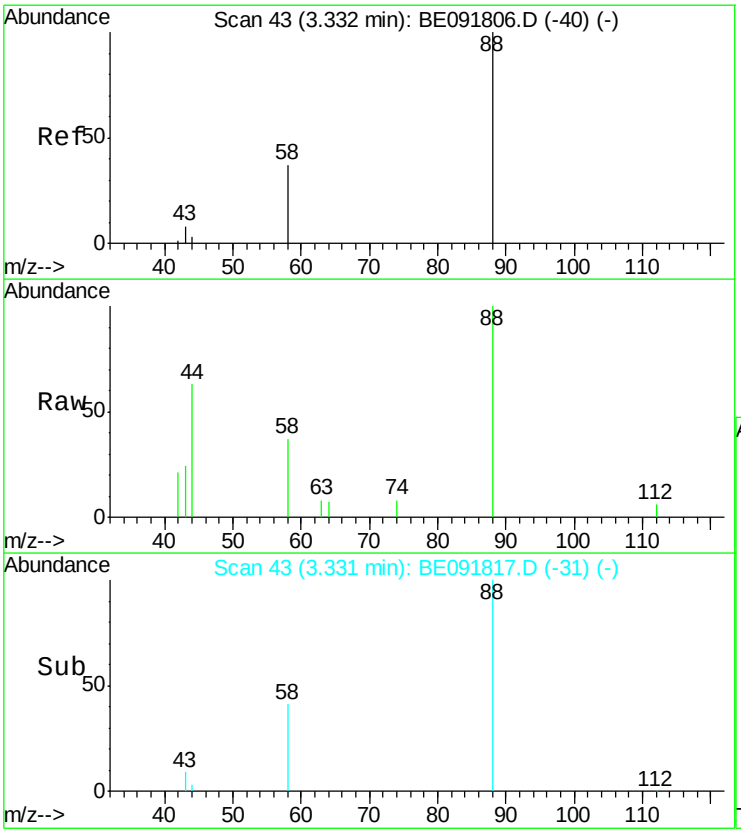
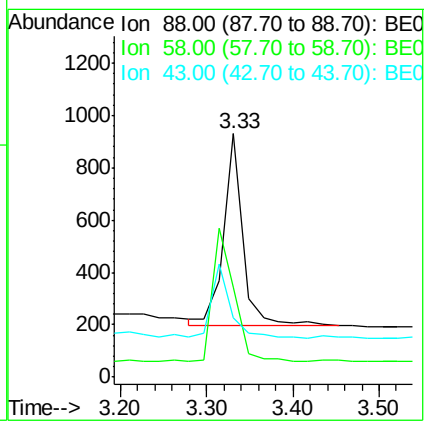
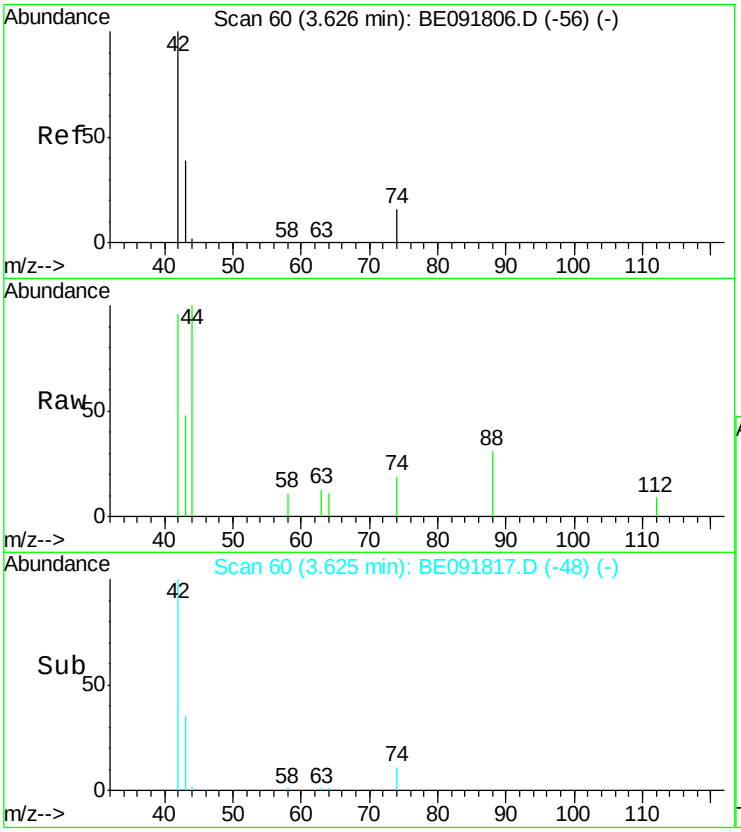


#2
1,4-Dioxane
Concen: 0.45 ng
RT: 3.33 min Scan# 43
Delta R.T. 0.00 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion: 88 Resp: 1135

Ion	Ratio	Lower	Upper
88	100		
58	77.7	65.8	98.6
43	39.6	25.3	37.9#





#3
n-Nitrosodimethylamine
Concen: 0.34 ng
RT: 3.63 min Scan# 60
Delta R.T. -0.00 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion: 42 Resp: 1175

Ion	Ratio	Lower	Upper
42	100		
74	112.3	87.9	131.9
44	6.6	6.6	9.8

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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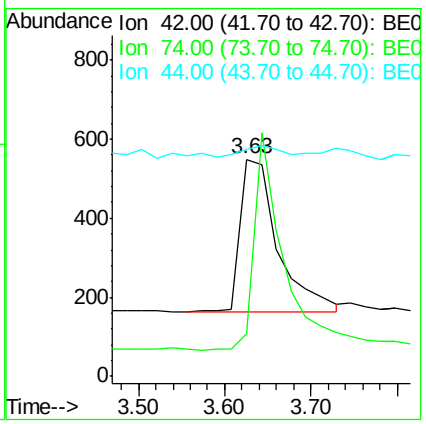
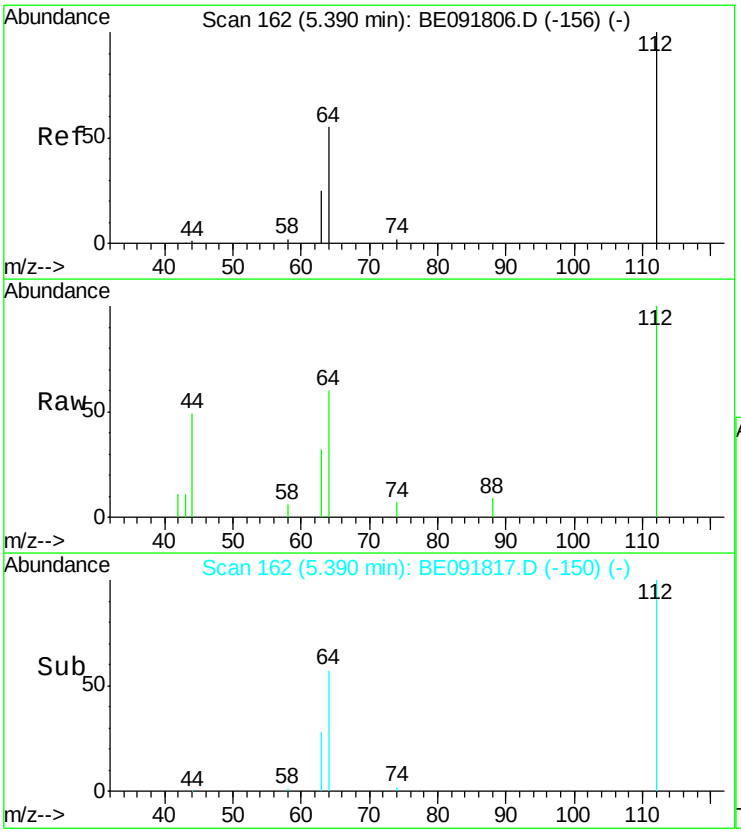
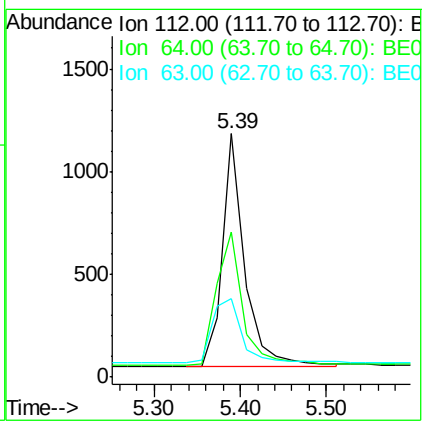


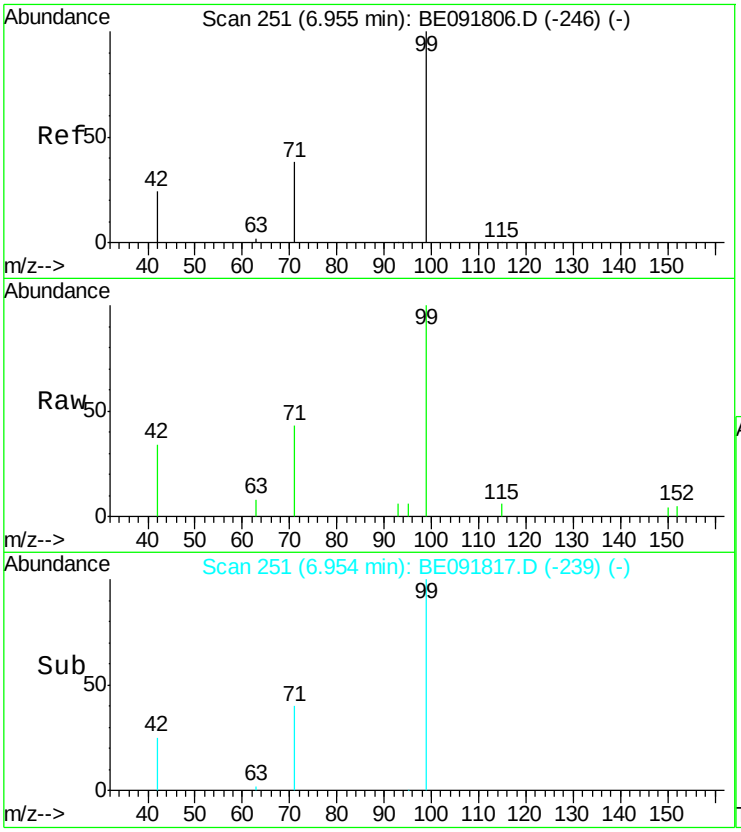


#4
2-Fluorophenol
Concen: 0.37 ng
RT: 5.39 min Scan# 162
Delta R.T. -0.00 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:112 Resp: 2069

Ion	Ratio	Lower	Upper
112	100		
64	67.3	30.9	46.3#
63	36.5	16.7	25.1#





#5
Phenol-d6
Concen: 0.34 ng
RT: 6.95 min Scan# 251
Delta R.T. -0.00 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion: 99 Resp: 2717

Ion	Ratio	Lower	Upper
99	100		
42	26.5	16.2	24.2#
71	36.1	29.0	43.4

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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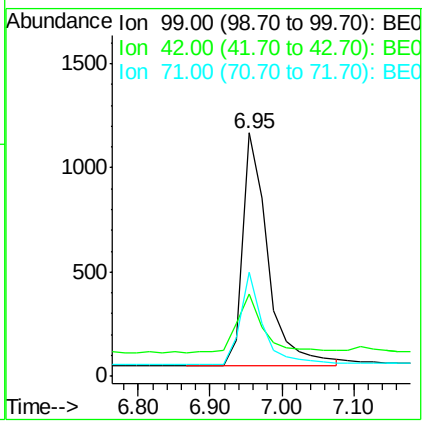
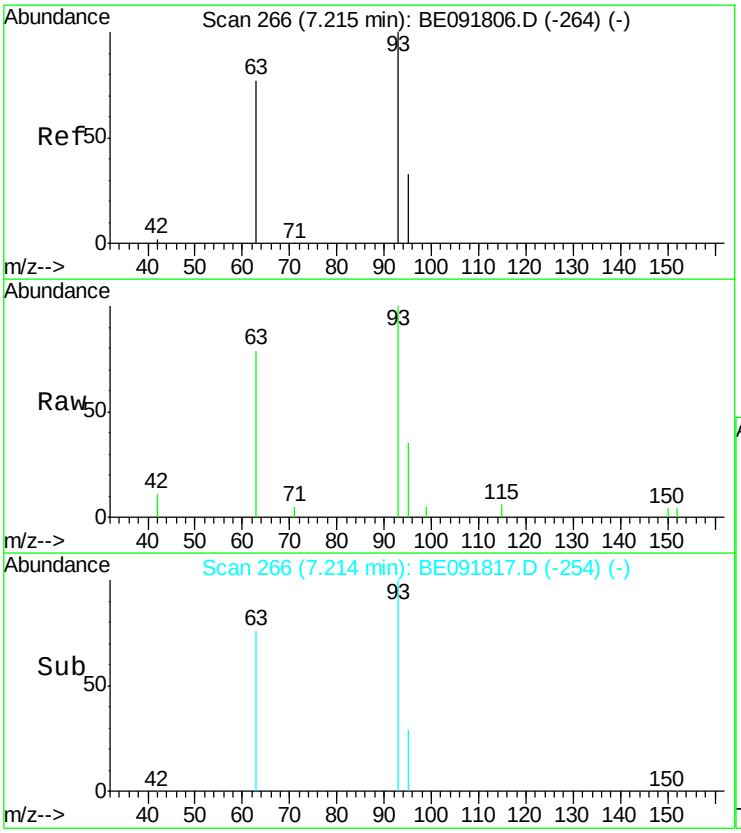
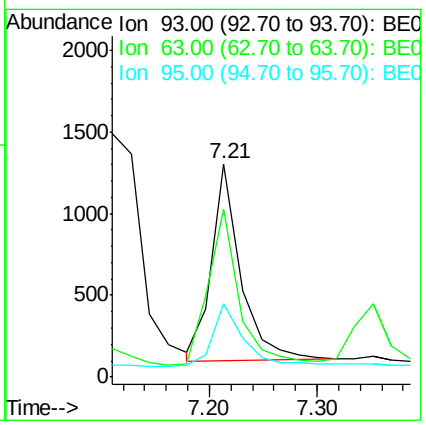


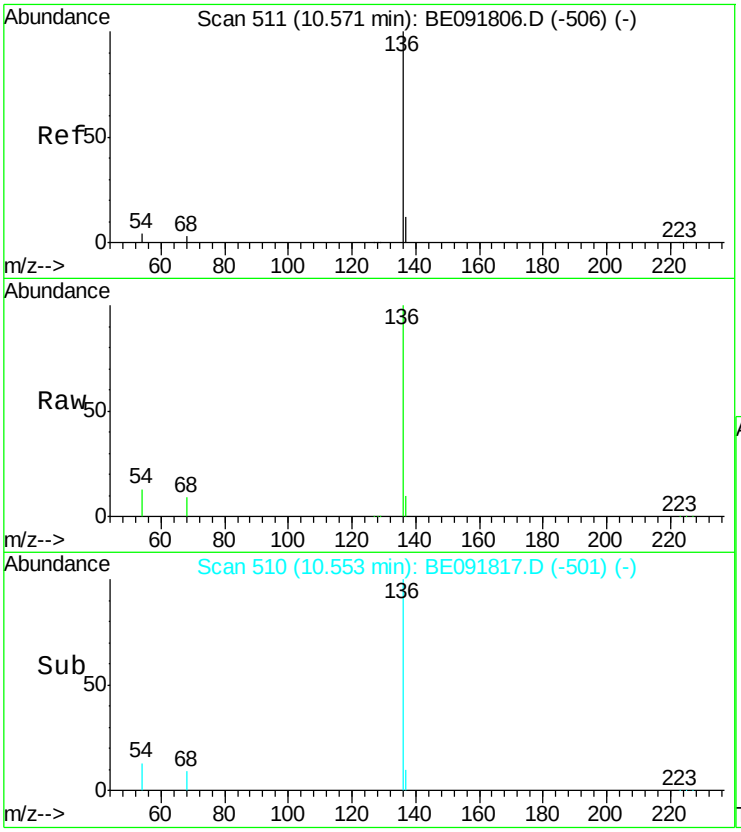


#6
bis(2-Chloroethyl)ether
Concen: 0.36 ng
RT: 7.21 min Scan# 266
Delta R.T. -0.00 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion: 93 Resp: 2266

Ion	Ratio	Lower	Upper
93	100		
63	84.7	49.5	74.3#
95	34.5	22.2	33.4#

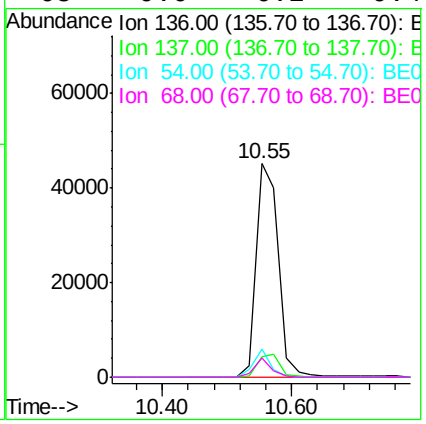




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.55 min Scan# 510
Delta R.T. -0.02 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:136 Resp: 107818

Ion	Ratio	Lower	Upper
136	100		
137	9.9	8.9	13.3
54	13.0	8.2	12.4#
68	9.0	6.2	9.4



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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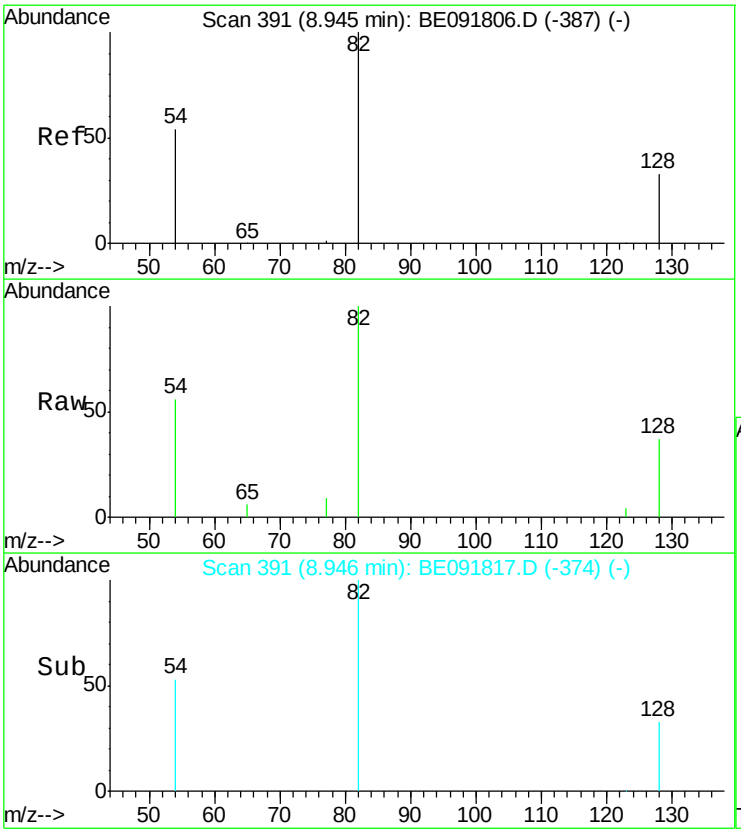
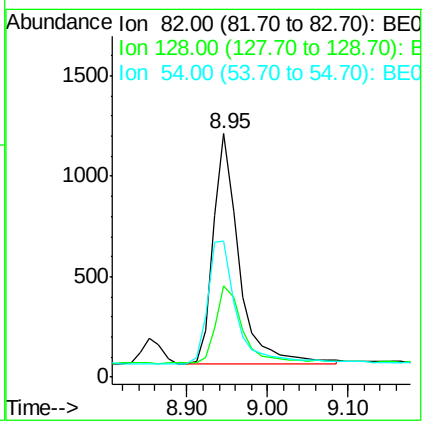
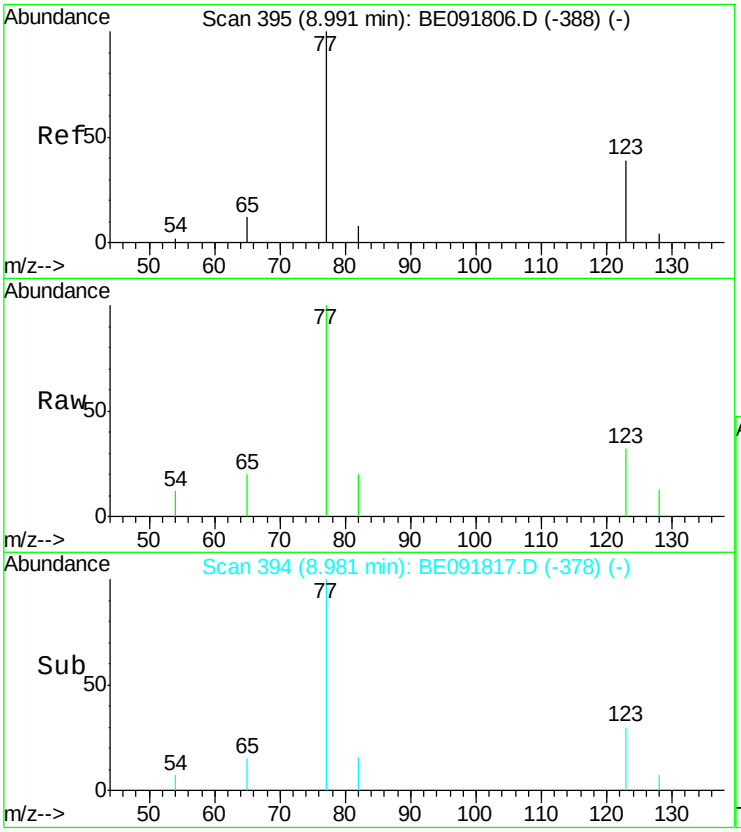


#8
Nitrobenzene-d5
Concen: 0.36 ng
RT: 8.95 min Scan# 391
Delta R.T. -0.00 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion: 82 Resp: 2546

Ion	Ratio	Lower	Upper
82	100		
128	37.3	25.4	38.0
54	56.0	48.4	72.6

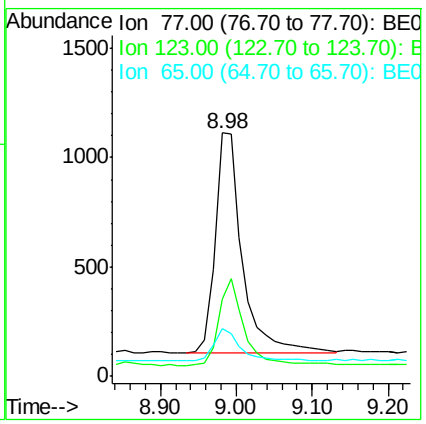




#9
Nitrobenzene
Concen: 0.34 ng
RT: 8.98 min Scan# 394
Delta R.T. -0.01 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion: 77 Resp: 2514

Ion	Ratio	Lower	Upper
77	100		
123	37.4	26.9	40.3
65	15.4	9.4	14.2#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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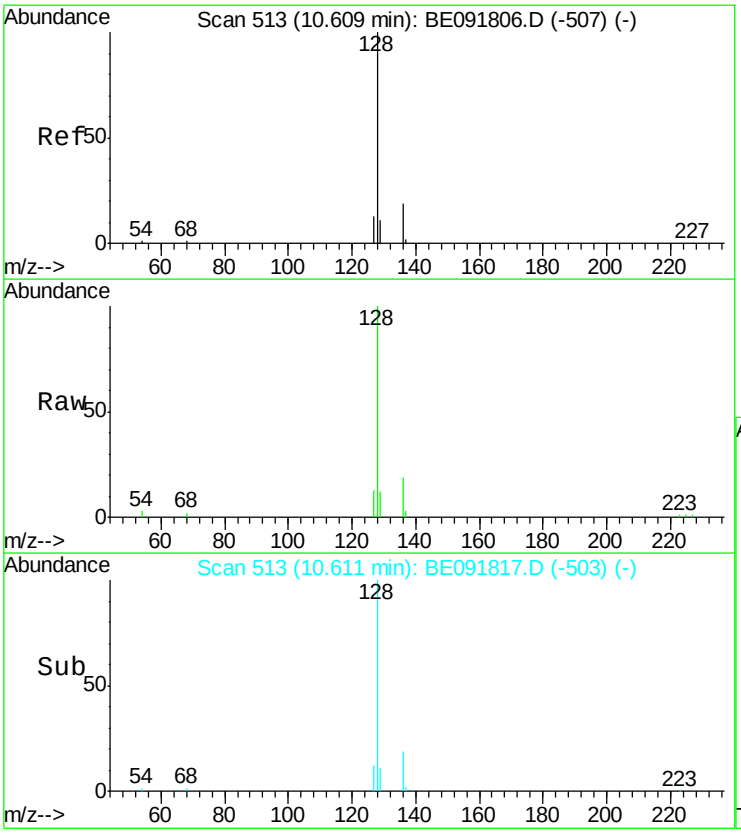
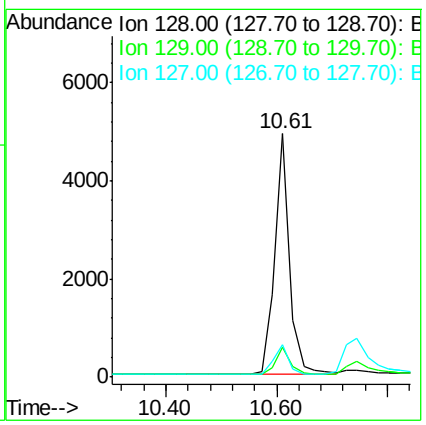
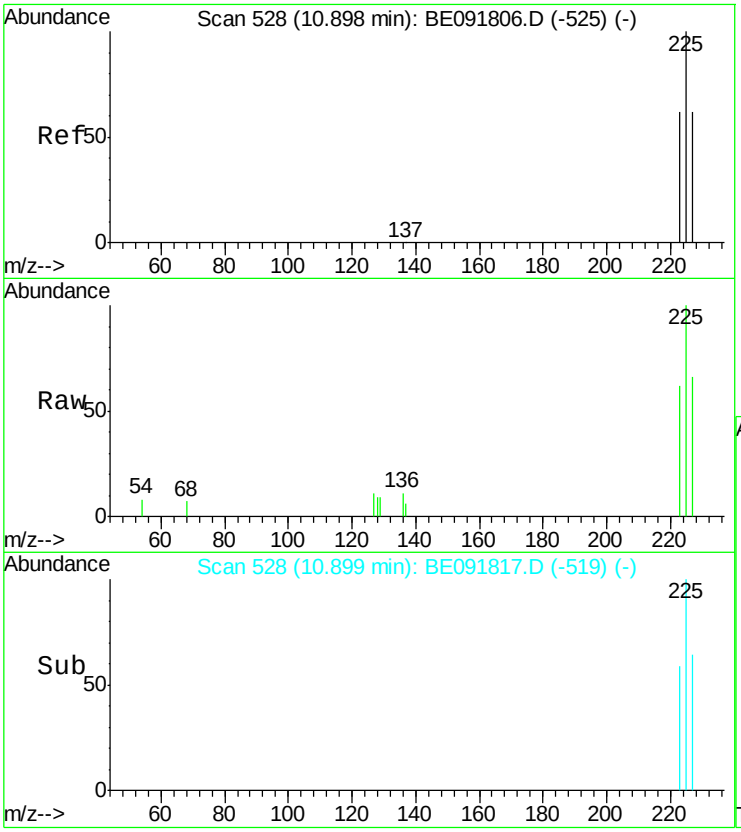


#10
Naphthalene
Concen: 0.38 ng
RT: 10.61 min Scan# 513
Delta R.T. 0.00 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:128 Resp: 9117

Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.3	13.9
127	13.3	10.7	16.1

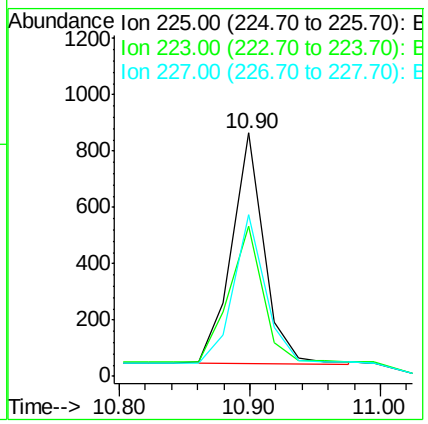




#11
Hexachlorobutadiene
Concen: 0.39 ng m
RT: 10.90 min Scan# 528
Delta R.T. -0.02 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:225 Resp: 1395

Ion	Ratio	Lower	Upper
225	100		
223	109.9	49.0	73.6#
227	106.4	50.3	75.5#



Instrument :
BNA_E
ClientSampleId :
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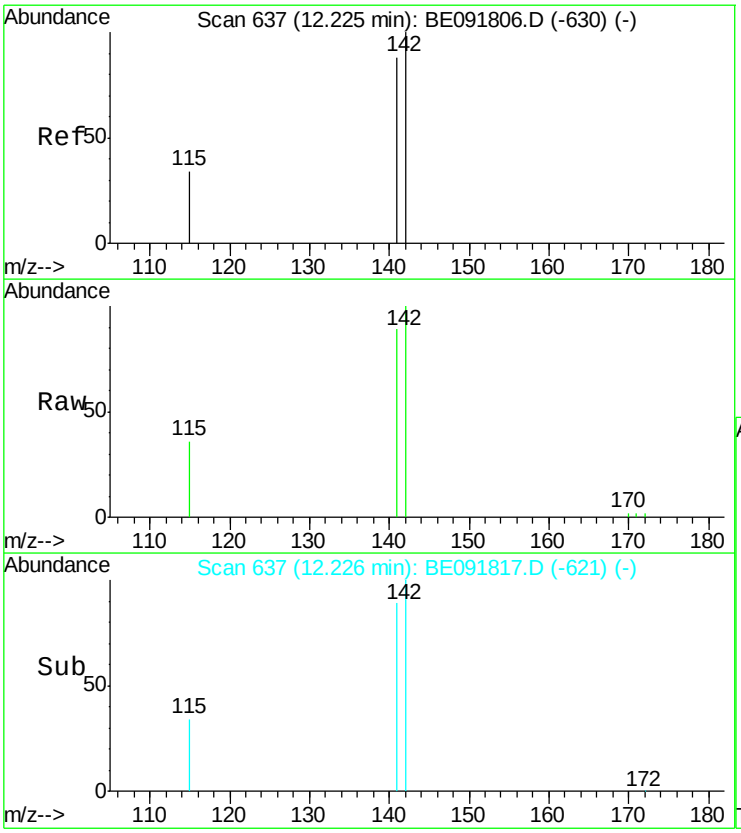
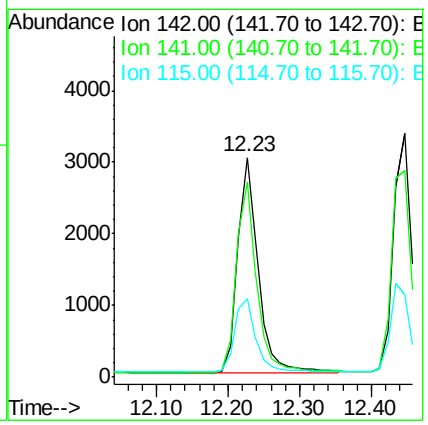
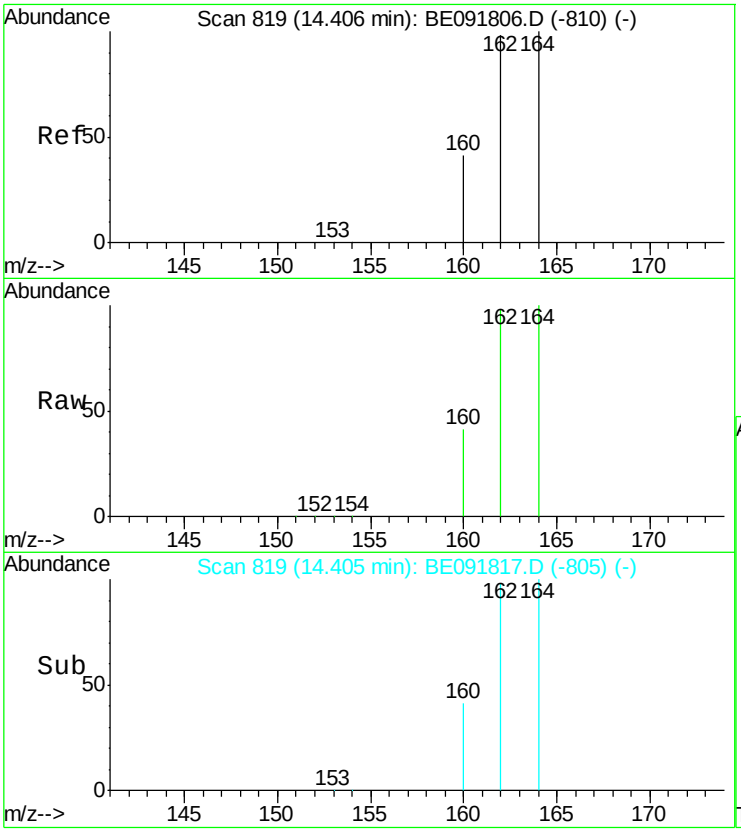


#12
2-Methylnaphthalene
Concen: 0.37 ng
RT: 12.23 min Scan# 637
Delta R.T. -0.01 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:142 Resp: 5978

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.4	107.0
115	35.8	30.3	45.5





#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.41 min Scan# 819
Delta R.T. -0.01 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:164 Resp: 73223

Ion	Ratio	Lower	Upper
164	100		
162	97.9	85.3	127.9
160	40.9	46.2	69.2#

Instrument :
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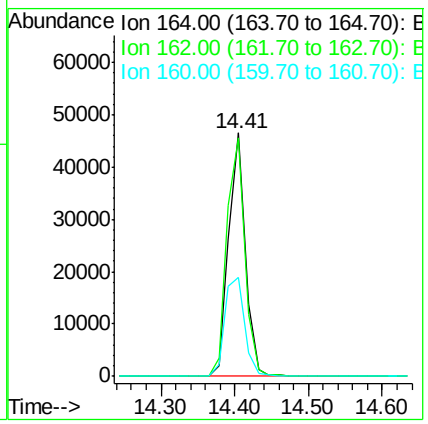
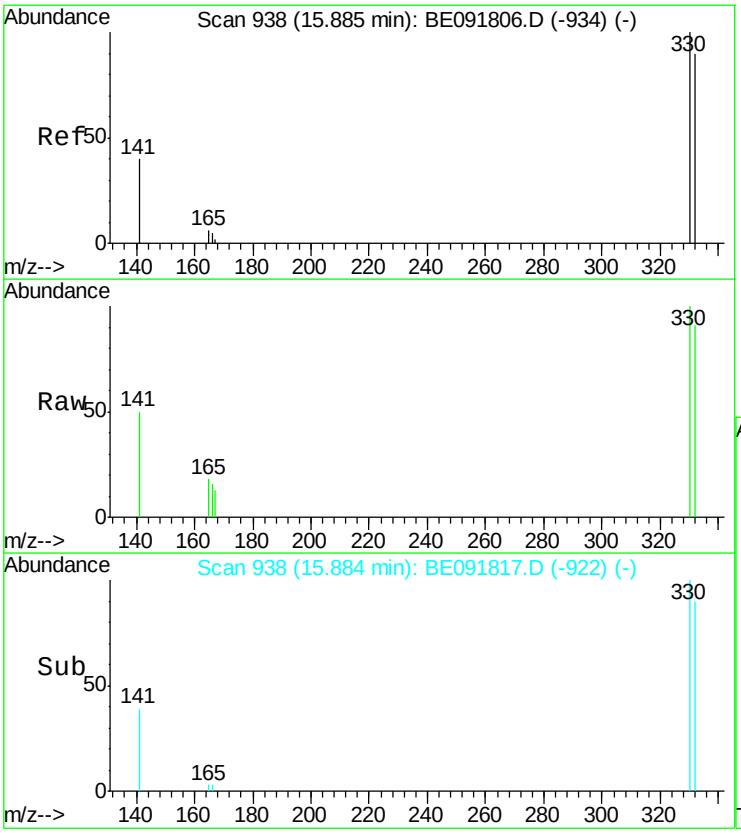
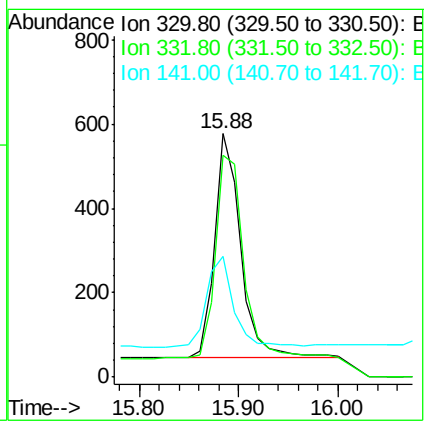


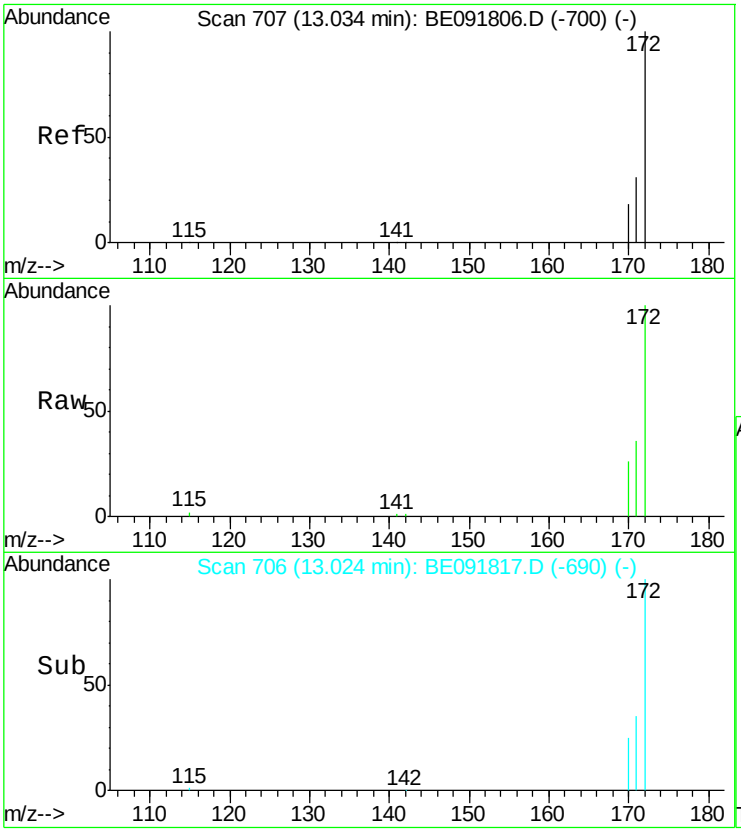


#14
2,4,6-Tribromophenol
Concen: 0.34 ng
RT: 15.88 min Scan# 938
Delta R.T. -0.01 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:330 Resp: 958

Ion	Ratio	Lower	Upper
330	100		
332	98.2	79.1	118.7
141	43.5	125.4	188.0#

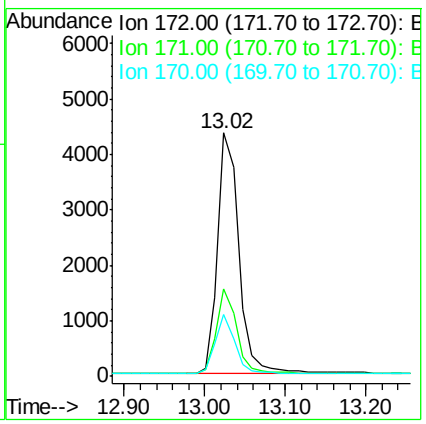




#15
2-Fluorobiphenyl
Concen: 0.39 ng
RT: 13.02 min Scan# 706
Delta R.T. -0.01 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:172 Resp: 7996

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.8	43.2
170	25.6	19.3	28.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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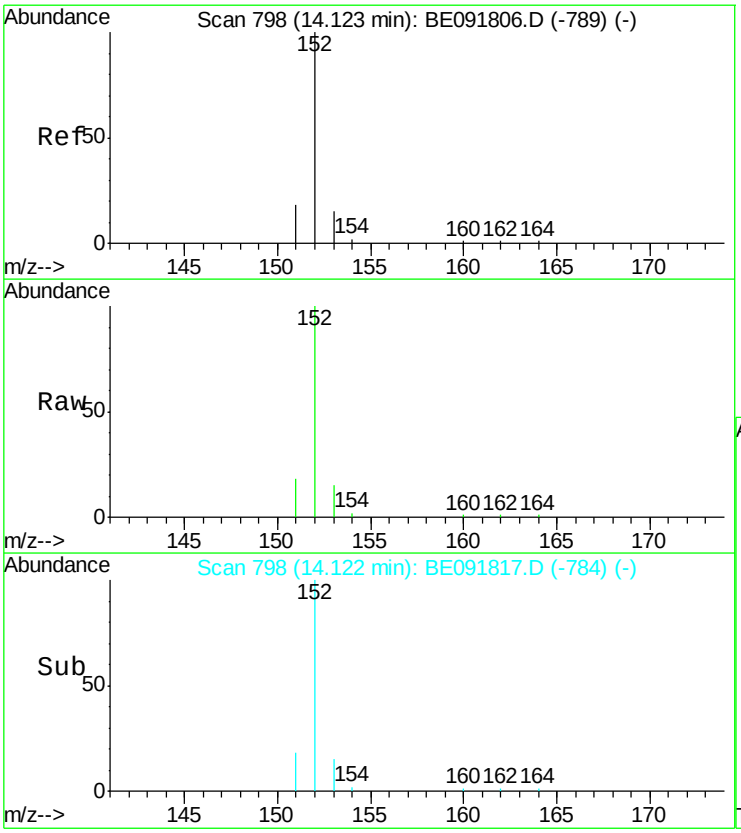
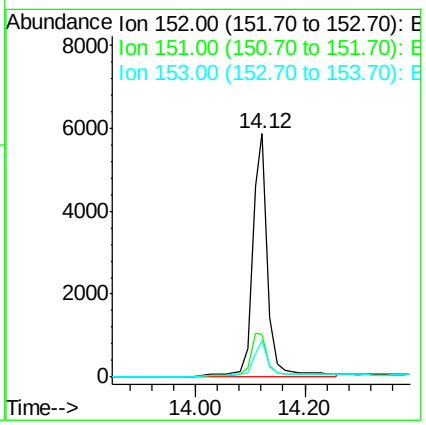
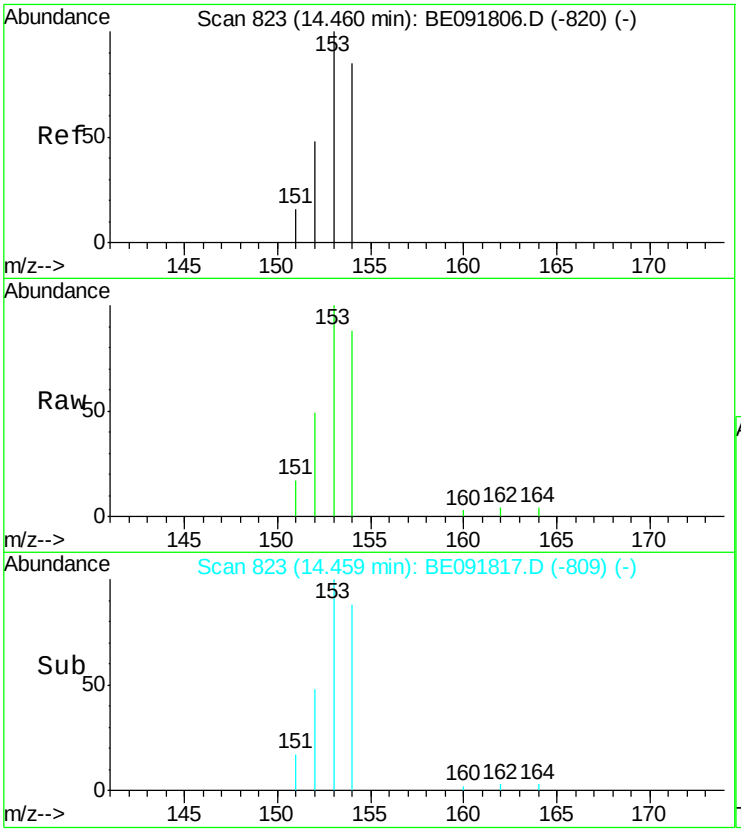


#16
Acenaphthylene
Concen: 0.37 ng
RT: 14.12 min Scan# 798
Delta R.T. -0.00 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:152 Resp: 12227

Ion	Ratio	Lower	Upper
152	100		
151	24.4	3.9	5.9#
153	18.7	10.3	15.5#

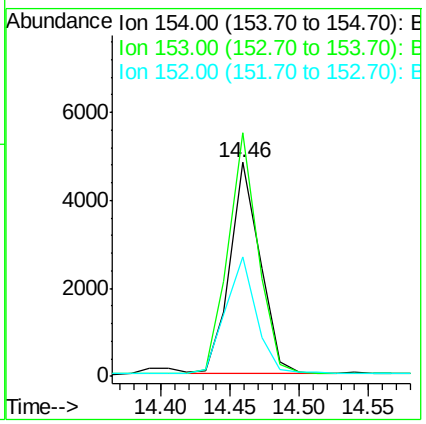




#17
Acenaphthene
Concen: 0.37 ng
RT: 14.46 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:154 Resp: 7184

Ion	Ratio	Lower	Upper
154	100		
153	115.5	80.0	120.0
152	57.3	40.0	60.0



Instrument :
BNA_E
ClientSampleId :
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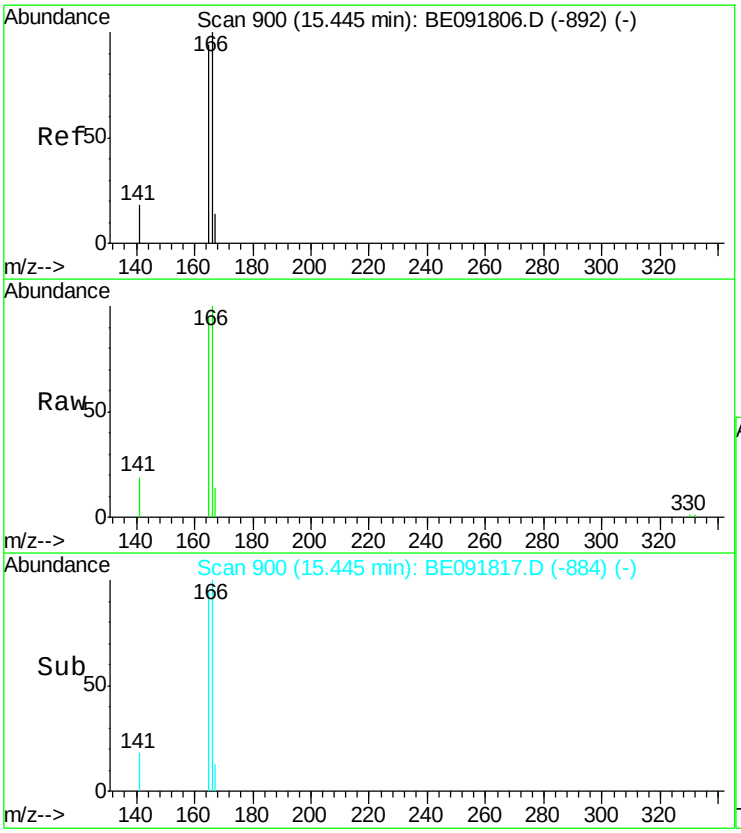
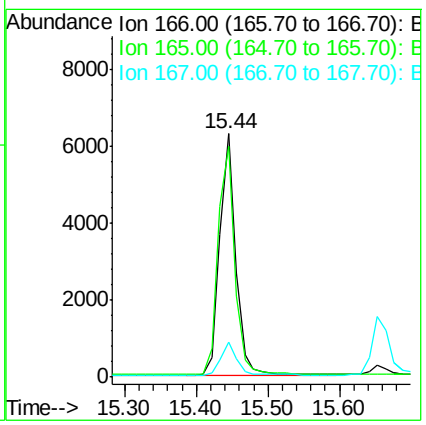
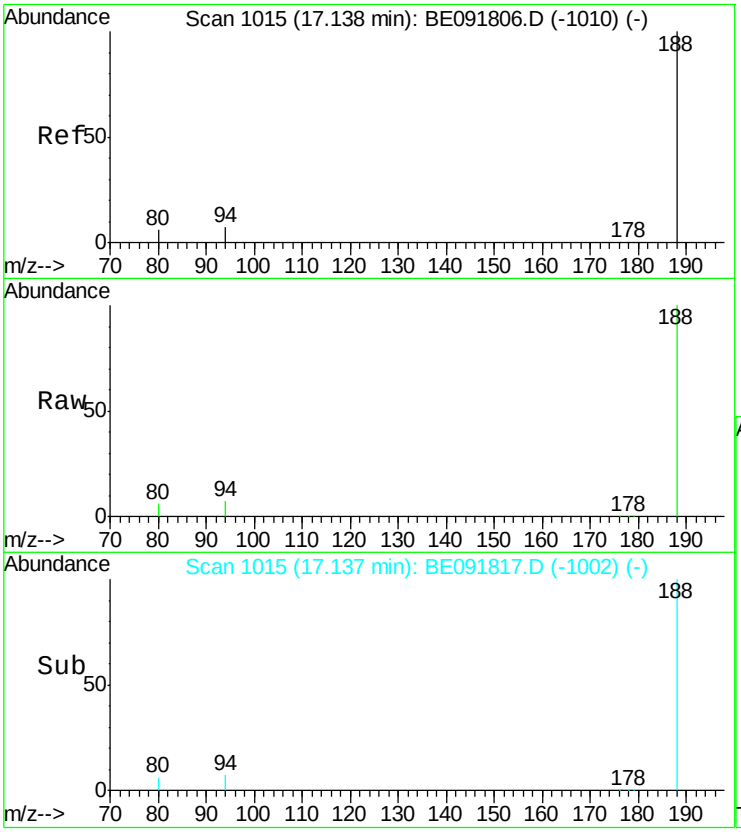


#18
Fluorene
Concen: 0.38 ng
RT: 15.44 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:166 Resp: 9748

Ion	Ratio	Lower	Upper
166	100		
165	99.3	80.8	121.2
167	13.6	10.9	16.3





#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.14 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:188 Resp: 229340

Ion	Ratio	Lower	Upper
188	100		
94	7.1	8.7	13.1#
80	6.4	9.4	14.0#

Instrument :
BNA_E
ClientSampleId :
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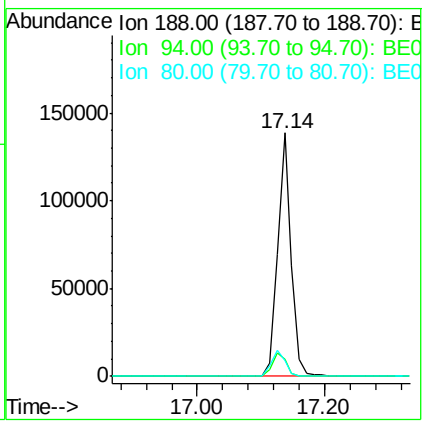
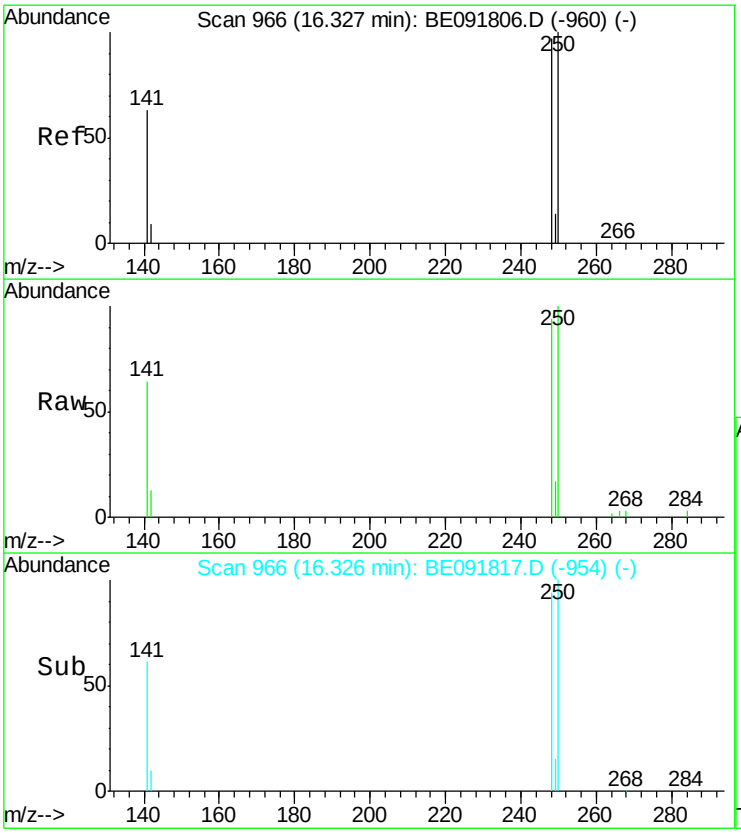
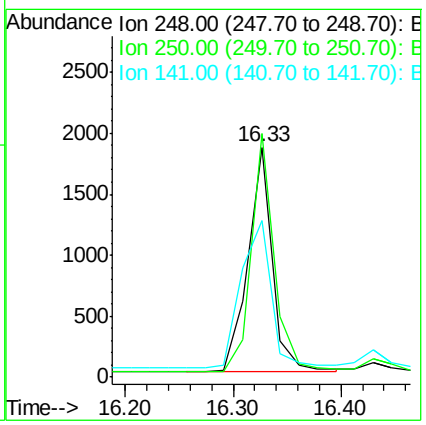


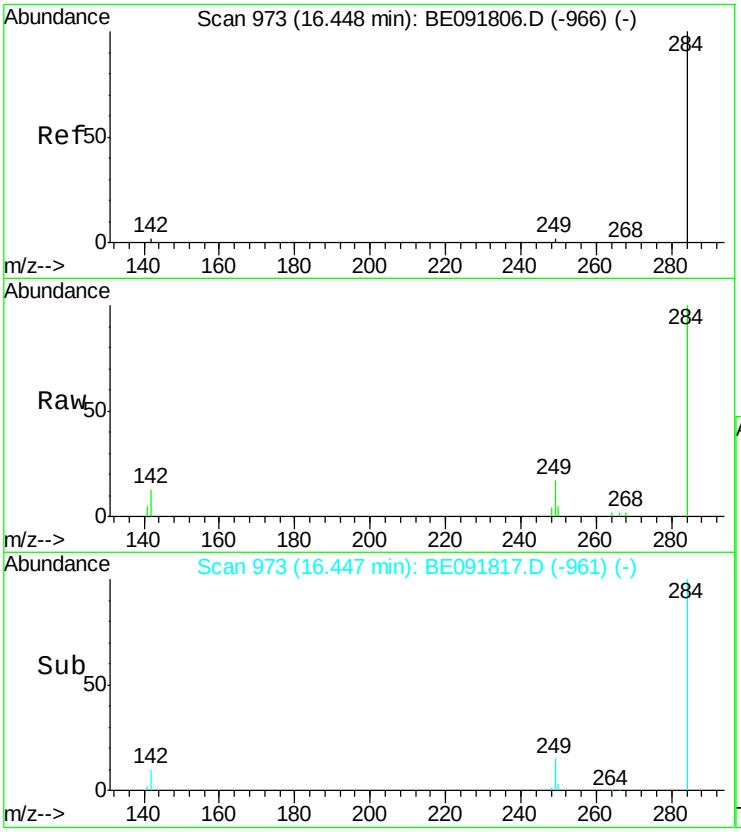


#20
4-Bromophenyl-phenylether
Concen: 0.33 ng
RT: 16.33 min Scan# 966
Delta R.T. -0.00 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:248 Resp: 2854

Ion	Ratio	Lower	Upper
248	100		
250	100.9	80.5	120.7
141	82.0	72.0	108.0

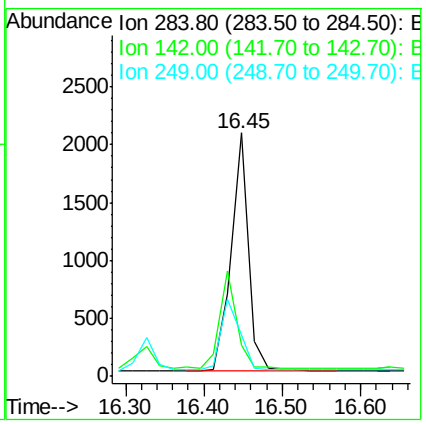




#21
Hexachlorobenzene
Concen: 0.35 ng
RT: 16.45 min Scan# 973
Delta R.T. -0.00 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:284 Resp: 3129

Ion	Ratio	Lower	Upper
284	100		
142	39.7	32.2	48.2
249	32.2	25.4	38.2



Instrument :
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ClientSampleId :
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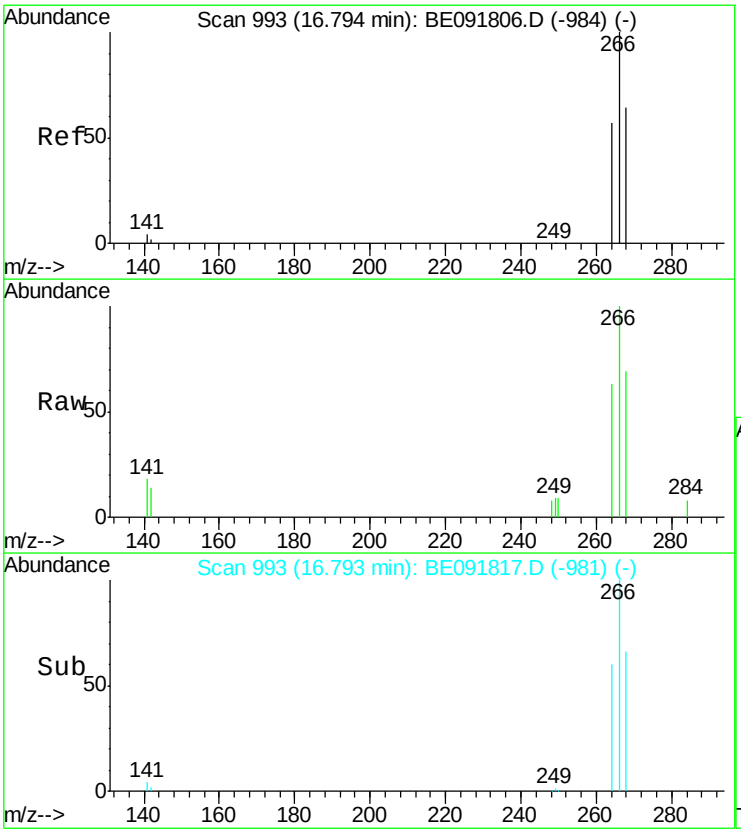
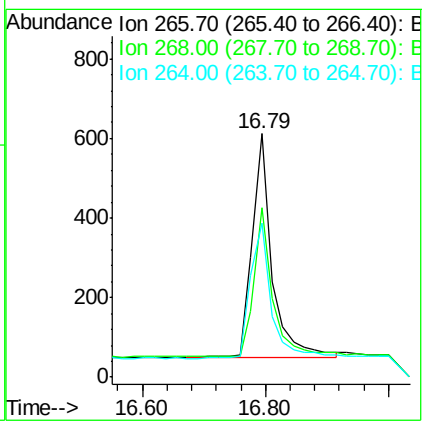
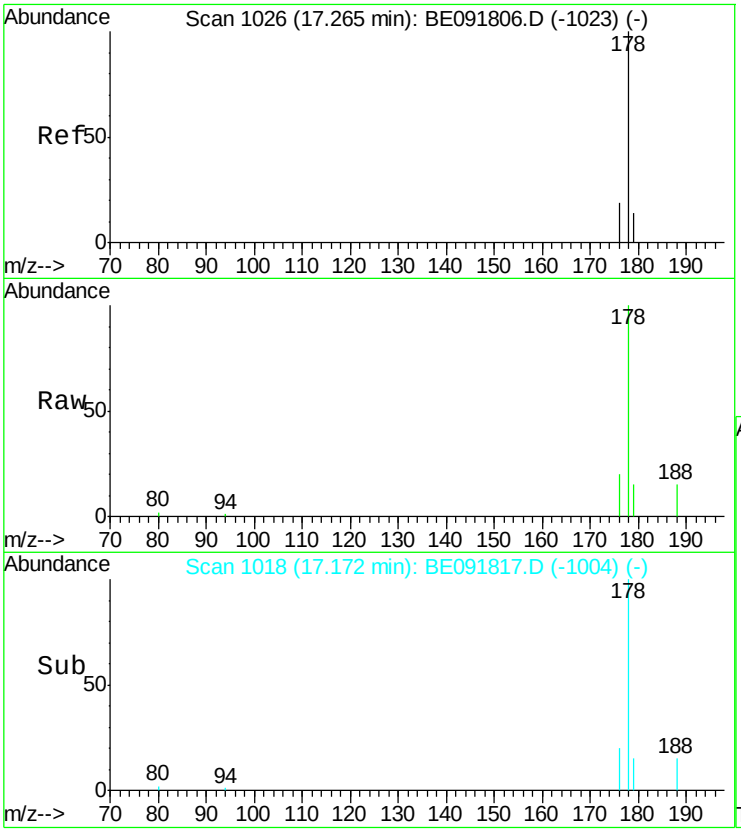


#22
Pentachlorophenol
Concen: 0.34 ng
RT: 16.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:266 Resp: 1244

Ion	Ratio	Lower	Upper
266	100		
268	69.4	58.2	87.2
264	63.2	56.2	84.4

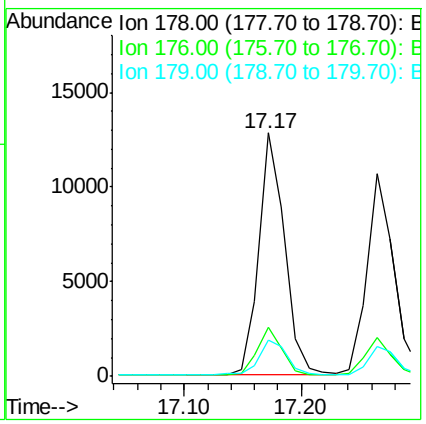




#23
Phenanthrene
Concen: 0.34 ng
RT: 17.17 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:178 Resp: 19717

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.3	22.9
179	17.0	12.6	18.8



Instrument :
BNA_E
ClientSampleId :
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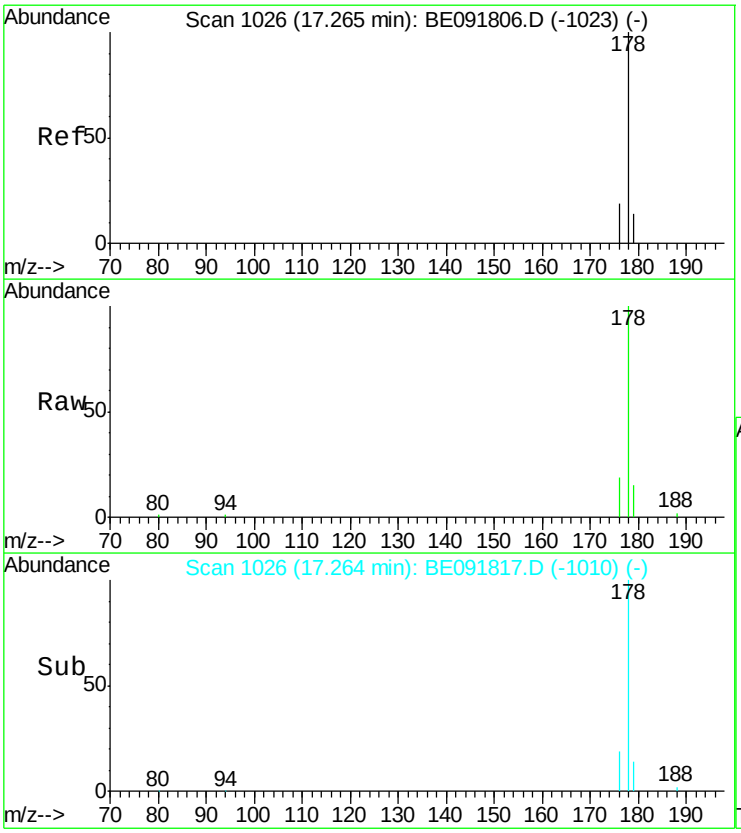
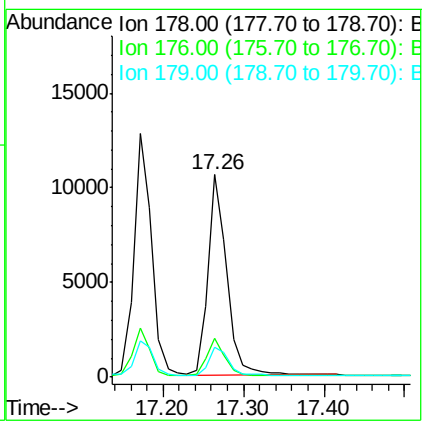
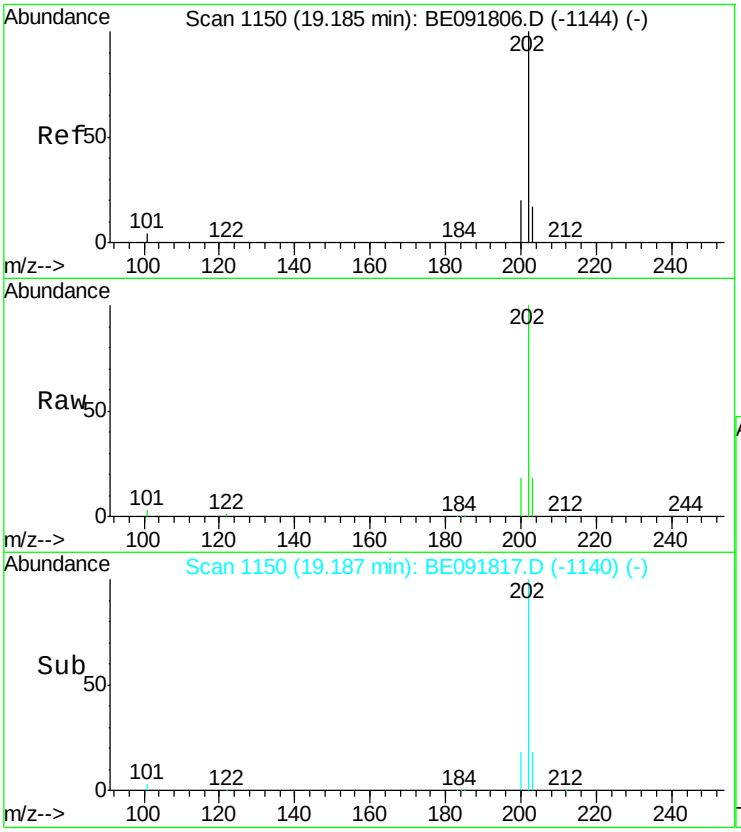


#24
Anthracene
Concen: 0.35 ng
RT: 17.26 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:178 Resp: 17314

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	21.8
179	15.0	11.8	17.6





#25
Fluoranthene
Concen: 0.36 ng
RT: 19.19 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:202 Resp: 21896

Ion	Ratio	Lower	Upper
202	100		
101	10.8	11.0	16.6#
203	17.3	13.9	20.9

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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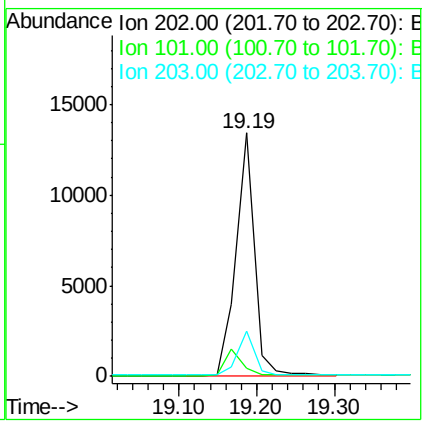
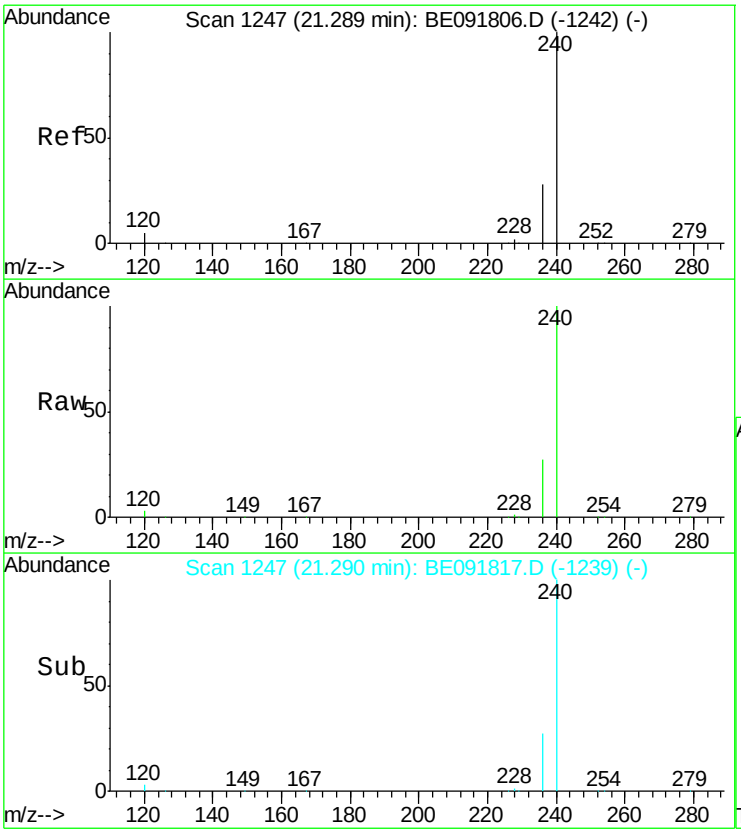
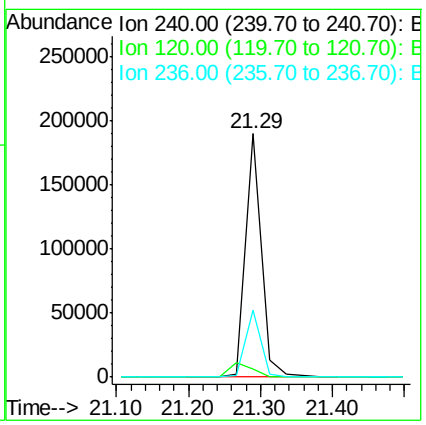


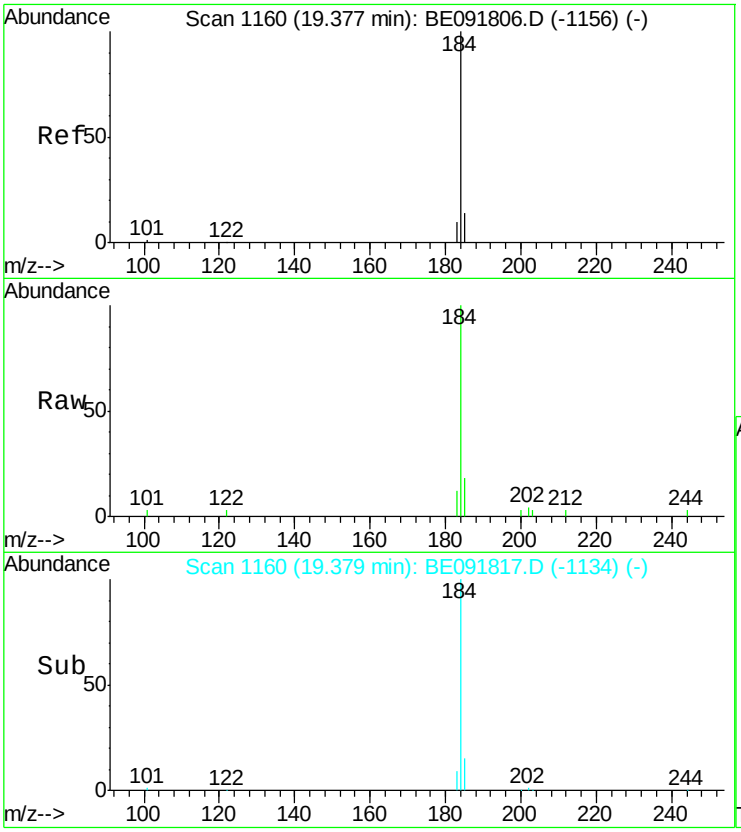


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:240 Resp: 289346

Ion	Ratio	Lower	Upper
240	100		
120	3.5	11.0	16.4#
236	27.4	21.7	32.5





#27
Benzidine
Concen: 0.34 ng
RT: 19.38 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:184 Resp: 5861

Ion	Ratio	Lower	Upper
184	100		
185	17.8	22.3	33.5#
183	11.8	16.4	24.6#

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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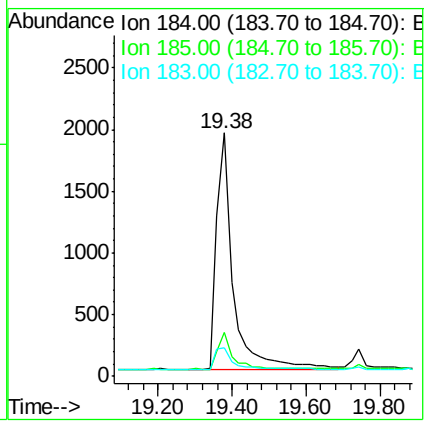
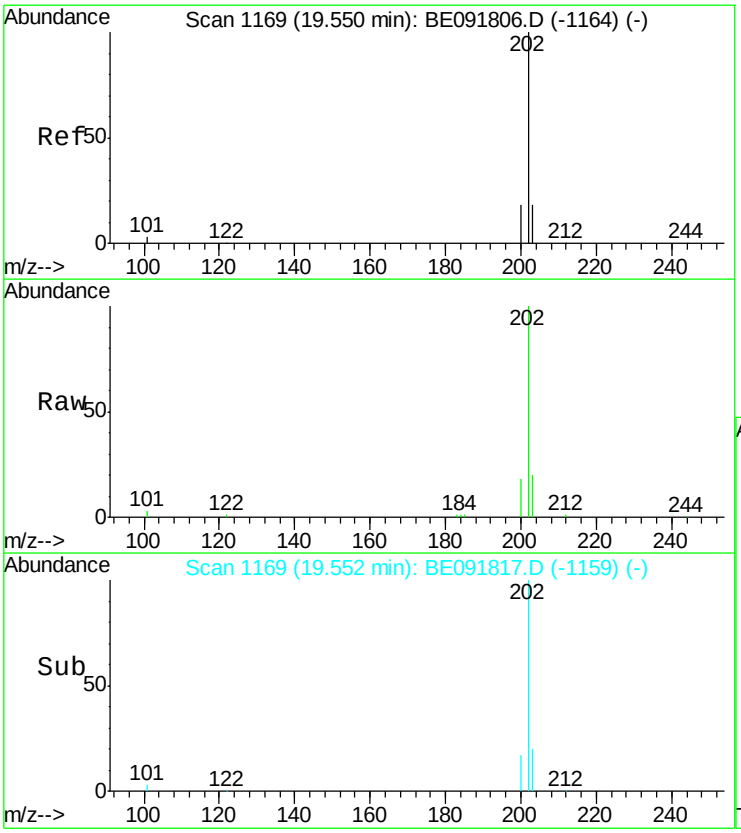
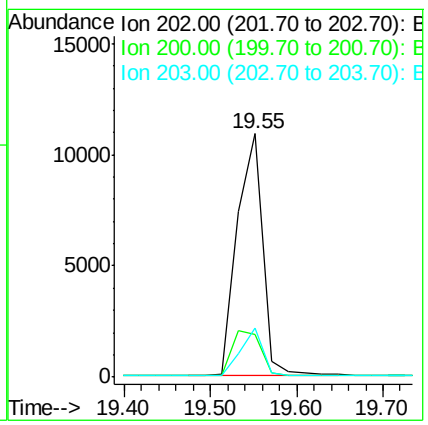


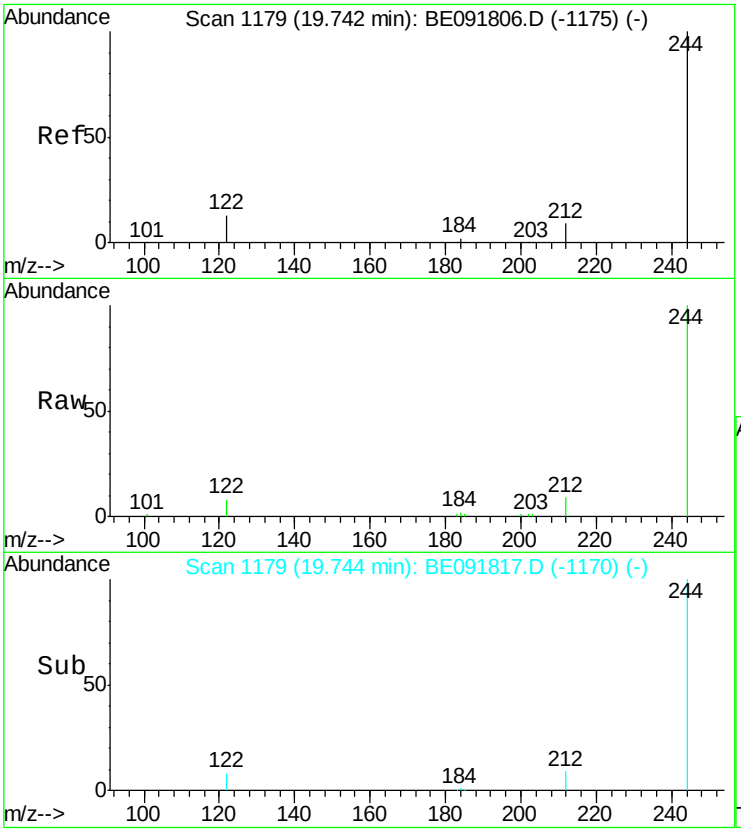


#28
Pyrene
Concen: 0.35 ng
RT: 19.55 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:202 Resp: 22307

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	17.6	14.0	21.0

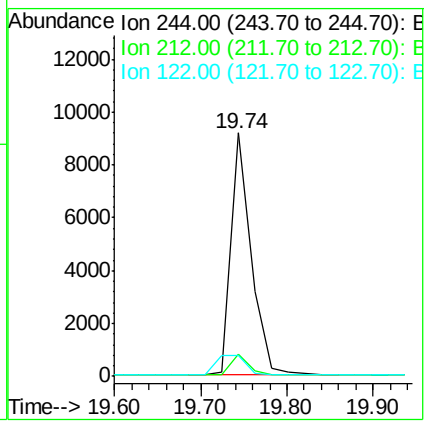




#29
Terphenyl-d14
Concen: 0.36 ng
RT: 19.74 min Scan# 1179
Delta R.T. -0.02 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:244 Resp: 14871

Ion	Ratio	Lower	Upper
244	100		
212	9.4	6.9	10.3
122	8.5	11.0	16.4#



Instrument :
BNA_E
ClientSampleId :
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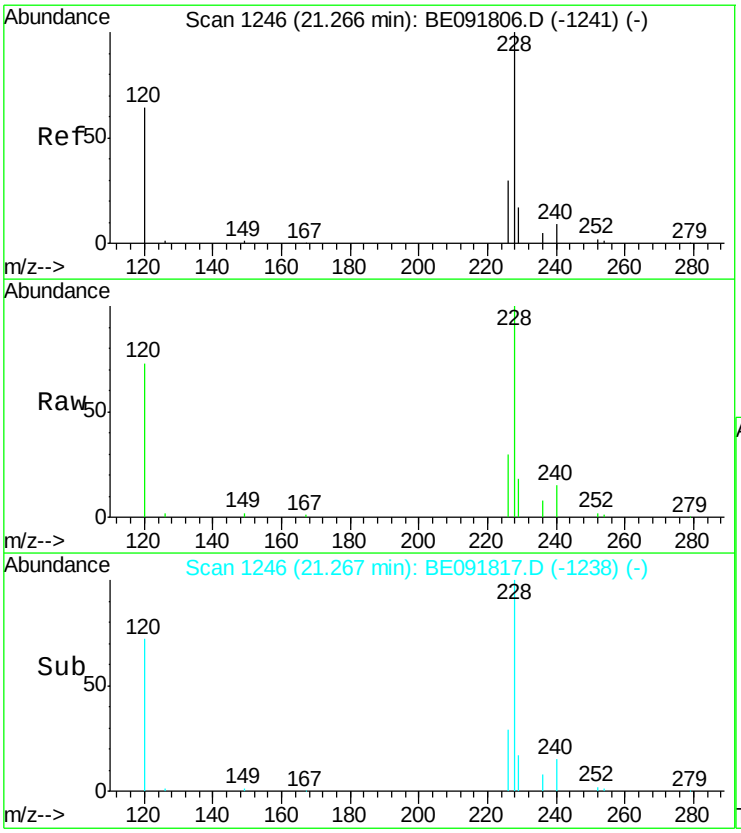
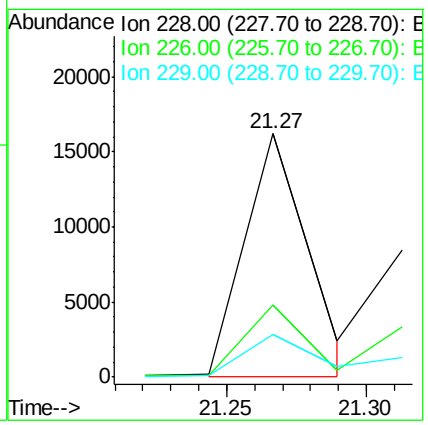
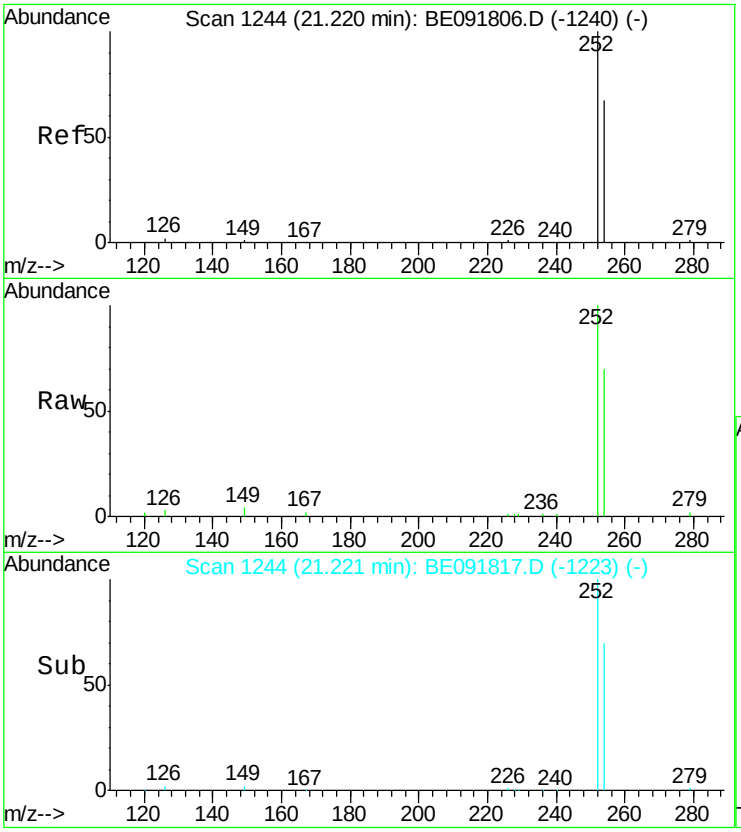


#30
Benzo(a)anthracene
Concen: 0.37 ng m
RT: 21.27 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:228 Resp: 25742

Ion	Ratio	Lower	Upper
228	100		
226	29.7	21.0	31.4
229	17.8	15.7	23.5





#31
3,3'-Dichlorobenzidine
Concen: 0.32 ng
RT: 21.22 min Scan# 1244
Delta R.T. -0.02 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:252 Resp: 13991

Ion	Ratio	Lower	Upper
252	100		
254	69.9	51.1	76.7
126	3.3	12.6	18.8#

Instrument :
BNA_E
ClientSampleId :
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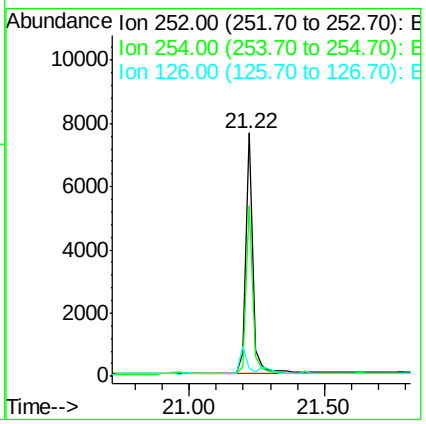
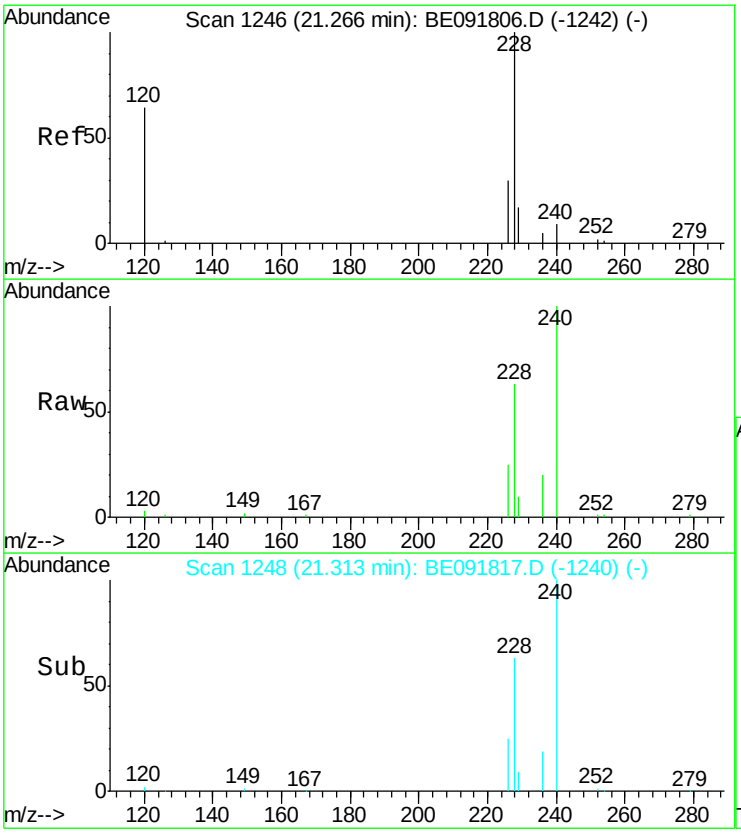
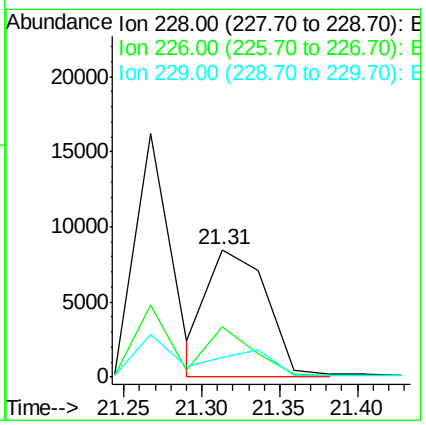


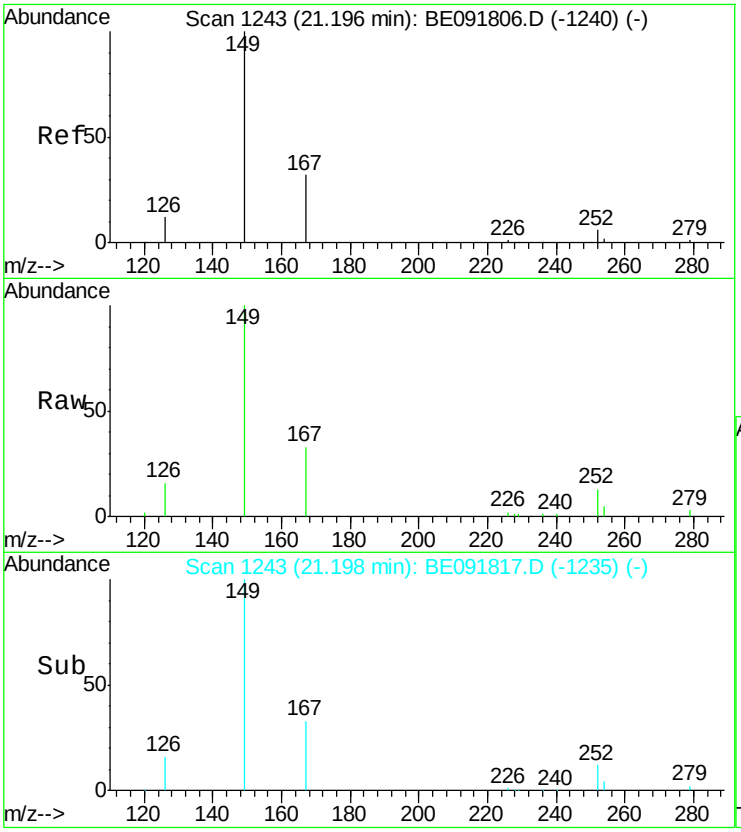


#32
Chrysene
Concen: 0.41 ng m
RT: 21.31 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:228 Resp: 22451

Ion	Ratio	Lower	Upper
228	100		
226	39.5	24.0	36.0#
229	15.4	15.9	23.9#





#33
Bis(2-ethylhexyl)phthalate
Concen: 0.47 ng
RT: 21.20 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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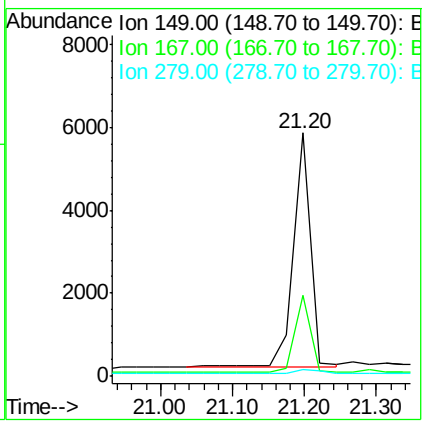
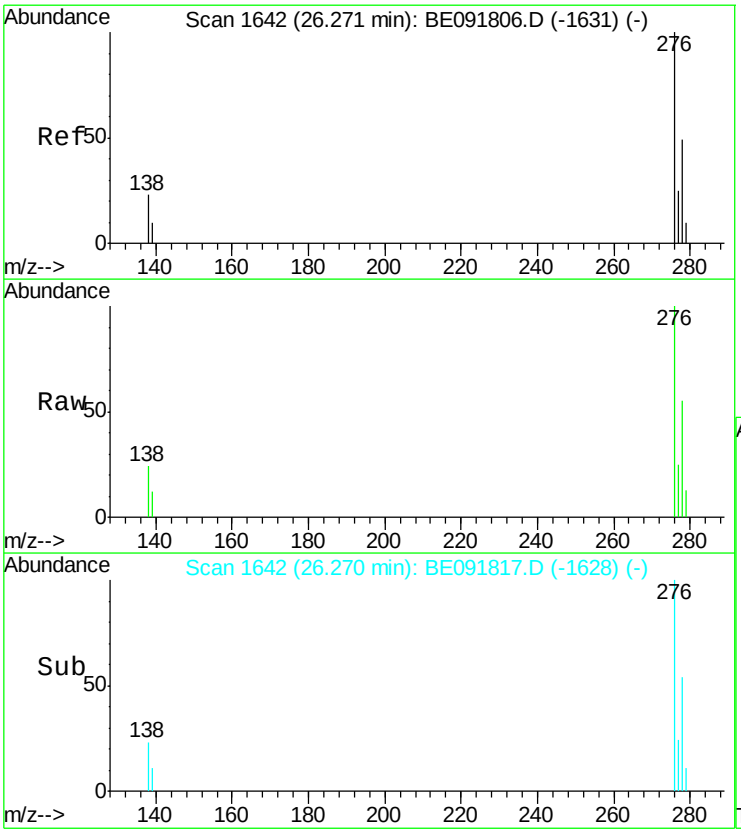
Tgt Ion:149 Resp: 9277

Ion	Ratio	Lower	Upper
149	100		
167	30.6	19.5	29.3#
279	3.2	10.0	15.0#

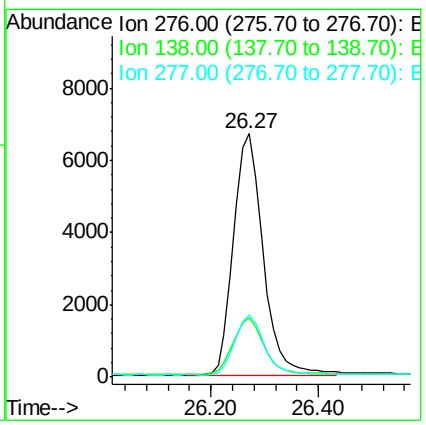


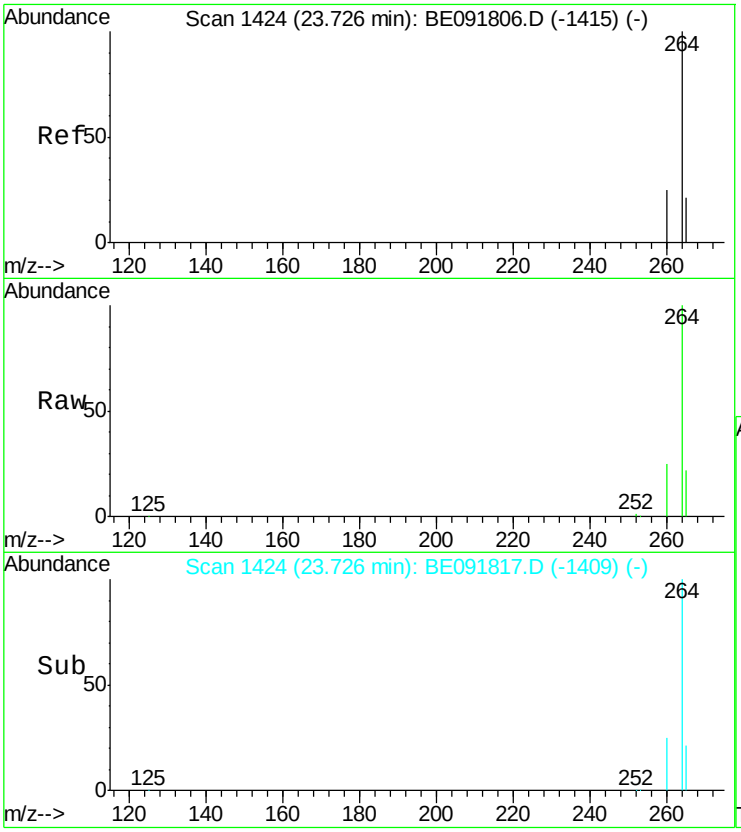


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.36 ng
RT: 26.27 min Scan# 1642
Delta R.T. -0.03 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:276 Resp: 25609

Ion	Ratio	Lower	Upper
276	100		
138	24.4	23.4	35.2
277	24.6	19.8	29.8

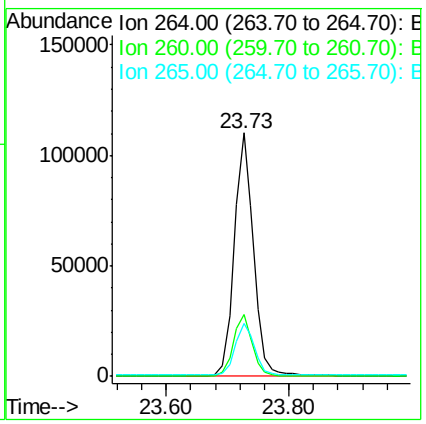




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.73 min Scan# 1424
Delta R.T. -0.02 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:264 Resp: 239744

Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.0	30.0
265	21.7	17.5	26.3



Instrument :
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ClientSampleId :
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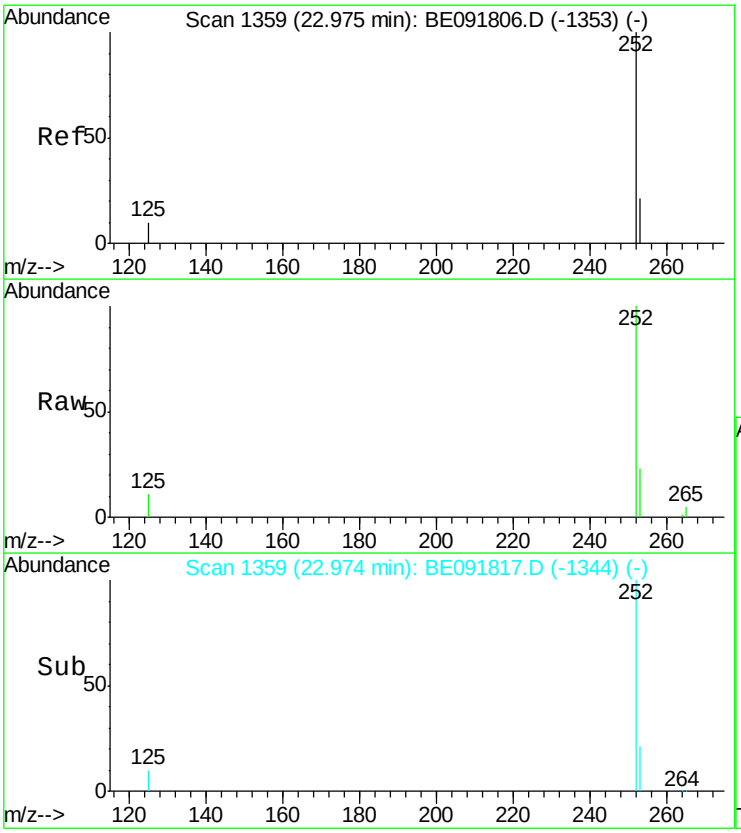
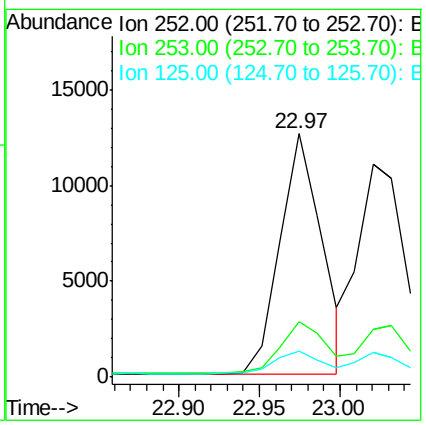
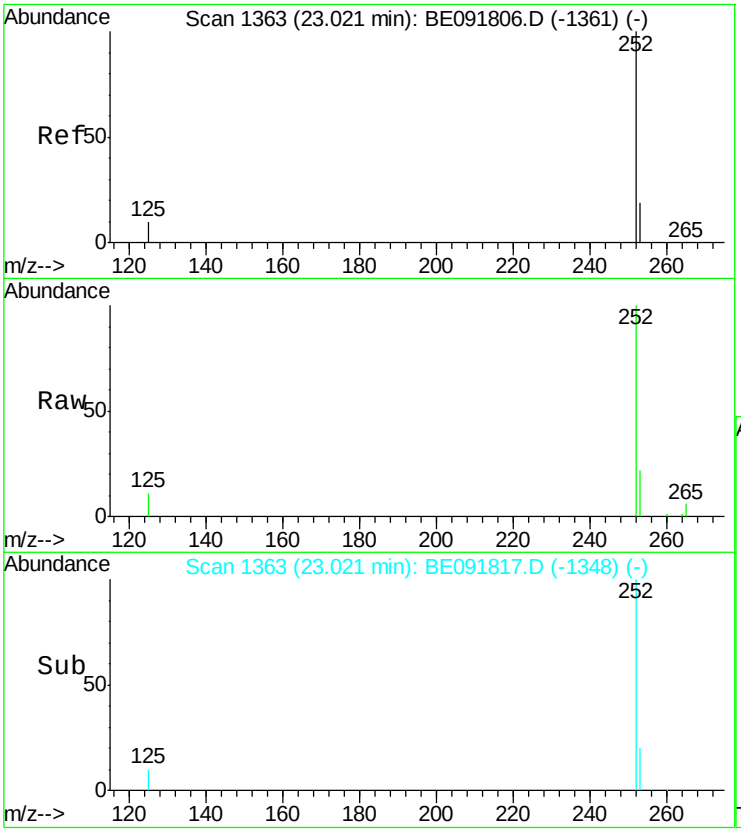


#36
Benzo(b)fluoranthene
Concen: 0.38 ng
RT: 22.97 min Scan# 1359
Delta R.T. -0.02 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:252 Resp: 22856

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	10.8	10.2	15.2

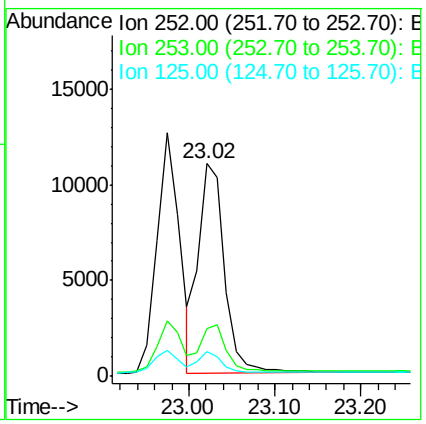




#37
Benzo(k)fluoranthene
Concen: 0.37 ng
RT: 23.02 min Scan# 1363
Delta R.T. -0.02 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:252 Resp: 22944

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	11.3	9.9	14.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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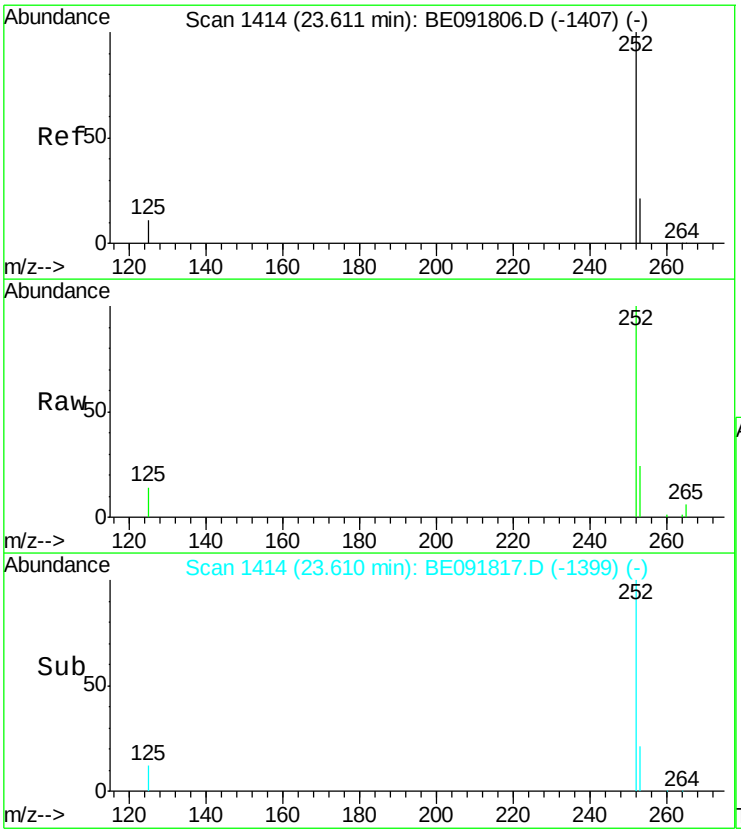
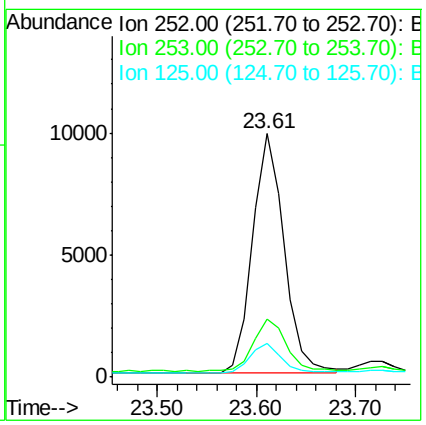
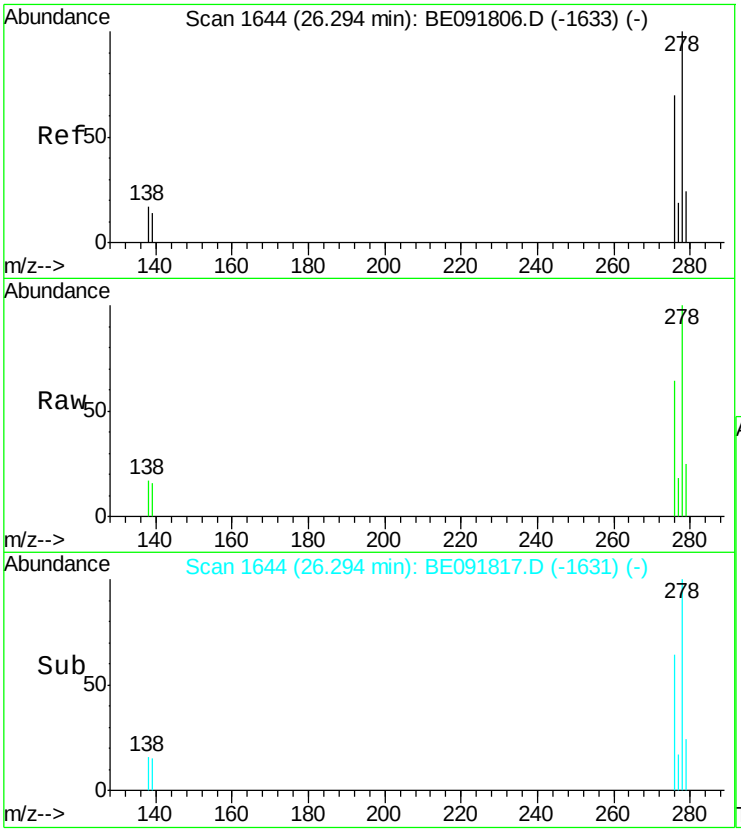


#38
Benzo(a)pyrene
Concen: 0.38 ng
RT: 23.61 min Scan# 1414
Delta R.T. -0.02 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:252 Resp: 21675

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	13.6	11.0	16.4

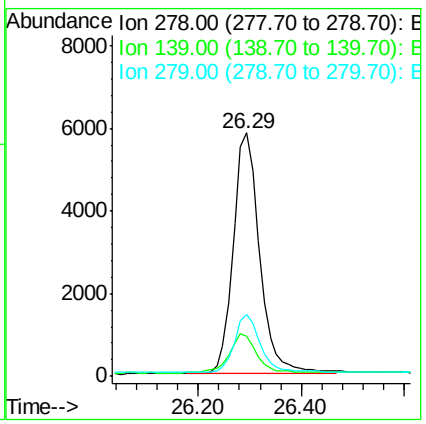




#39
Dibenzo(a,h)anthracene
Concen: 0.37 ng
RT: 26.29 min Scan# 1644
Delta R.T. -0.05 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

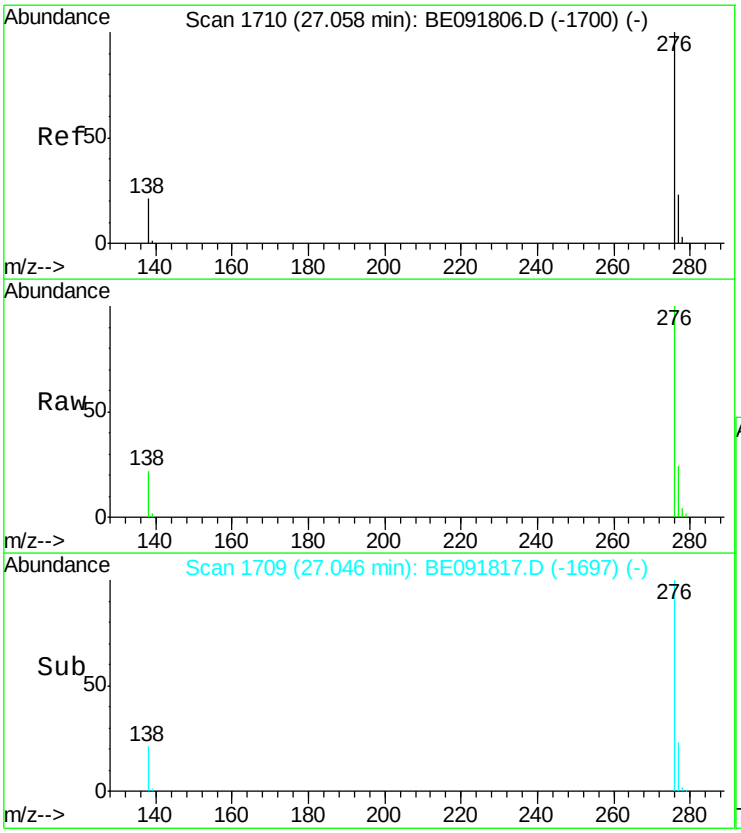
Tgt Ion:278 Resp: 20932

Ion	Ratio	Lower	Upper
278	100		
139	16.3	16.0	24.0
279	25.3	19.4	29.2



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
sohil
5/20/2016 7:25:10 PM



#40
Benzo(g,h,i)perylene
Concen: 0.38 ng
RT: 27.05 min Scan# 1709
Delta R.T. -0.06 min
Lab File: BE091817.D
Acq: 19 May 2016 19:28

Tgt Ion:276 Resp: 21935

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.6	28.0
138	22.5	20.4	30.6