Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051916\
Data File : BE091805.D
Acq On : 19 May 2016 11:57
Operator : UM/SJ
Sample : SSTDICC0.8
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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Quant Time: May 19 13:31:33 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 13:16:38 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	21185	5.00	ng		0.00
7) Naphthalene-d8	10.55	136	107628	5.00	ng		-0.02
13) Acenaphthene-d10	14.41	164	73219	5.00	ng		0.00
19) Phenanthrene-d10	17.14	188	222674	5.00	ng		0.00
26) Chrysene-d12	21.29	240	285652	5.00	ng		0.00
35) Perylene-d12	23.73	264	235857	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	4863	0.93	ng		0.00
5) Phenol-d6	6.95	99	6672	0.97	ng		0.00
8) Nitrobenzene-d5	8.95	82	6424	0.92	ng		0.00
14) 2,4,6-Tribromophenol	15.88	330	2472	1.08	ng		0.00
15) 2-Fluorobiphenyl	13.02	172	18697	0.90	ng		-0.01
29) Terphenyl-d14	19.74	244	34748	0.78	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.33	88	2399	0.75	ng		96
3) n-Nitrosodimethylamine	3.62	42	3062	0.80	ng	#	96
6) bis(2-Chloroethyl)ether	7.21	93	5528	0.91	ng	#	77
9) Nitrobenzene	8.98	77	6553	0.90	ng		95
10) Naphthalene	10.61	128	21014	0.97	ng		99
11) Hexachlorobutadiene	10.90	225	3173m	0.99	ng		
12) 2-Methylnaphthalene	12.22	142	14197	1.02	ng		94
16) Acenaphthylene	14.12	152	29683	1.05	ng	#	81
17) Acenaphthene	14.46	154	16803	0.92	ng		87
18) Fluorene	15.44	166	22516	0.99	ng		99
20) 4-Bromophenyl-phenylether	16.33	248	6971	0.87	ng		93
21) Hexachlorobenzene	16.45	284	7193	0.90	ng		98
22) Pentachlorophenol	16.79	266	3042	0.81	ng		91
23) Phenanthrene	17.17	178	44344	0.88	ng		99
24) Anthracene	17.26	178	40385	0.89	ng		99
25) Fluoranthene	19.19	202	50160	0.95	ng	#	96
27) Benzidine	19.38	184	15122m	0.93	ng		
28) Pyrene	19.55	202	51869	0.80	ng		100
30) Benzo(a)anthracene	21.27	228	58824m	0.84	ng		
31) 3,3'-Dichlorobenzidine	21.22	252	34884	0.98	ng	#	85
32) Chrysene	21.31	228	51262m	0.71	ng		
33) Bis(2-ethylhexyl)phthalate	21.20	149	23286	1.10	ng	#	79
34) Indeno(1,2,3-cd)pyrene	26.27	276	59037	0.91	ng		95
36) Benzo(b)fluoranthene	22.97	252	51629m	0.93	ng		
37) Benzo(k)fluoranthene	23.02	252	54153	0.96	ng		97
38) Benzo(a)pyrene	23.61	252	50166	0.96	ng		97
39) Dibenzo(a,h)anthracene	26.29	278	48887	0.99	ng		96
40) Benzo(g,h,i)perylene	27.06	276	50433	1.01	ng		95

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051916\
Data File : BE091805.D
Acq On : 19 May 2016 11:57
Operator : UM/SJ
Sample : SSTDICC0.8
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 19 13:31:33 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 13:16:38 2016
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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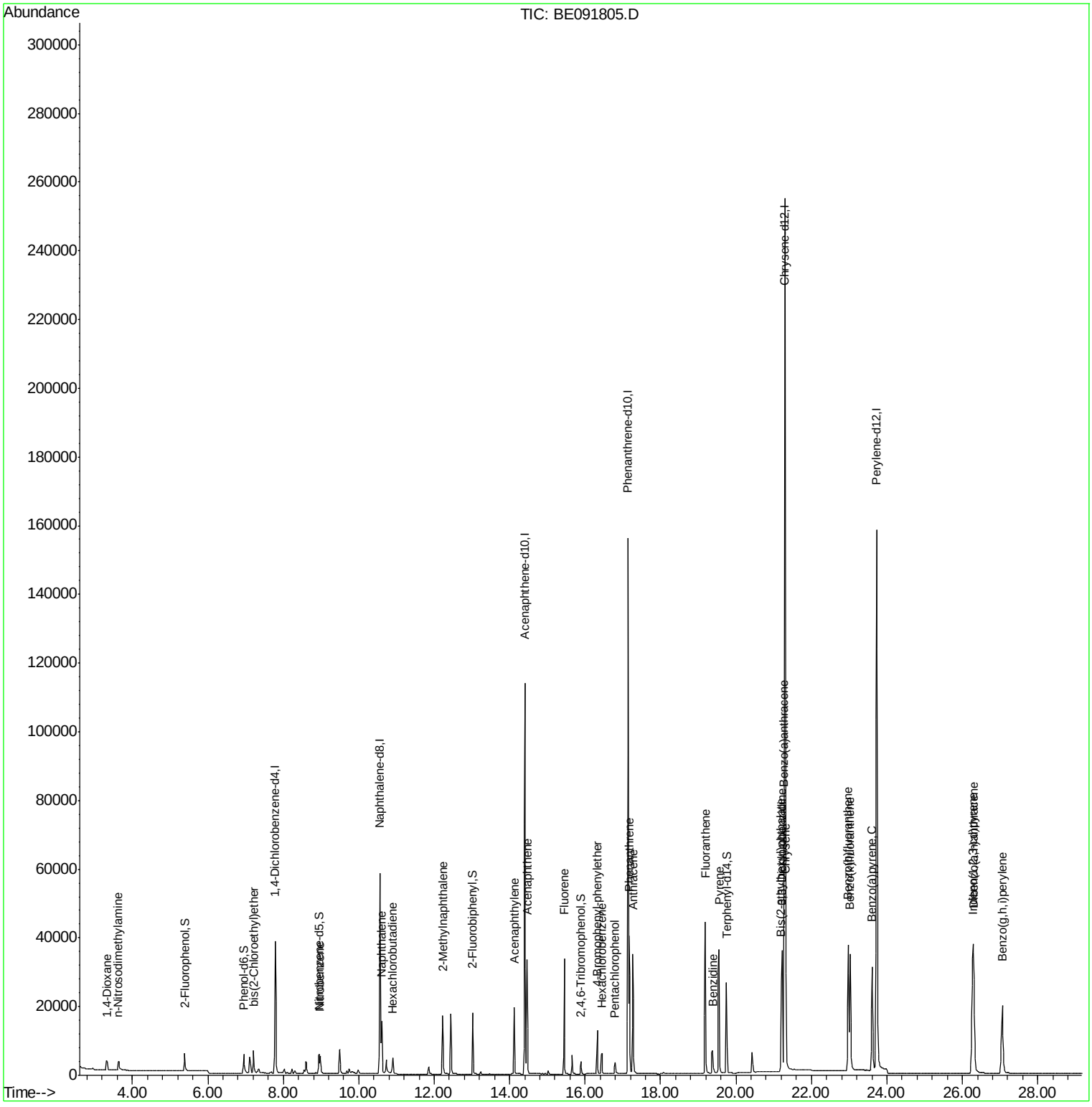
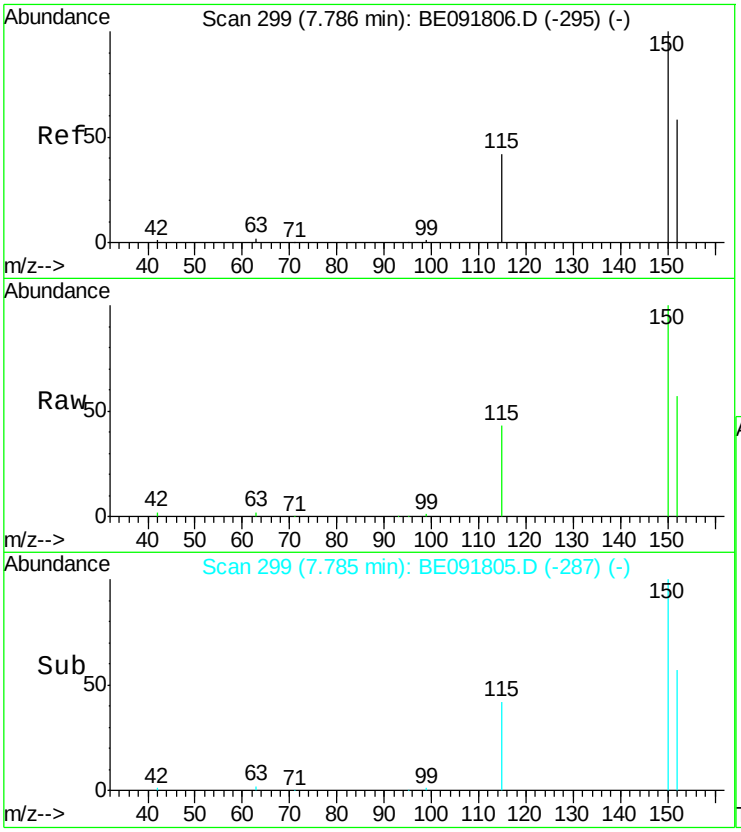
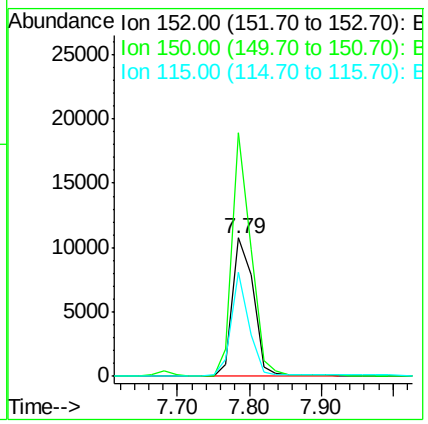




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.79 min Scan# 299
Delta R.T. -0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:152 Resp: 21185

Ion	Ratio	Lower	Upper
152	100		
150	176.1	122.6	183.8
115	75.0	52.8	79.2



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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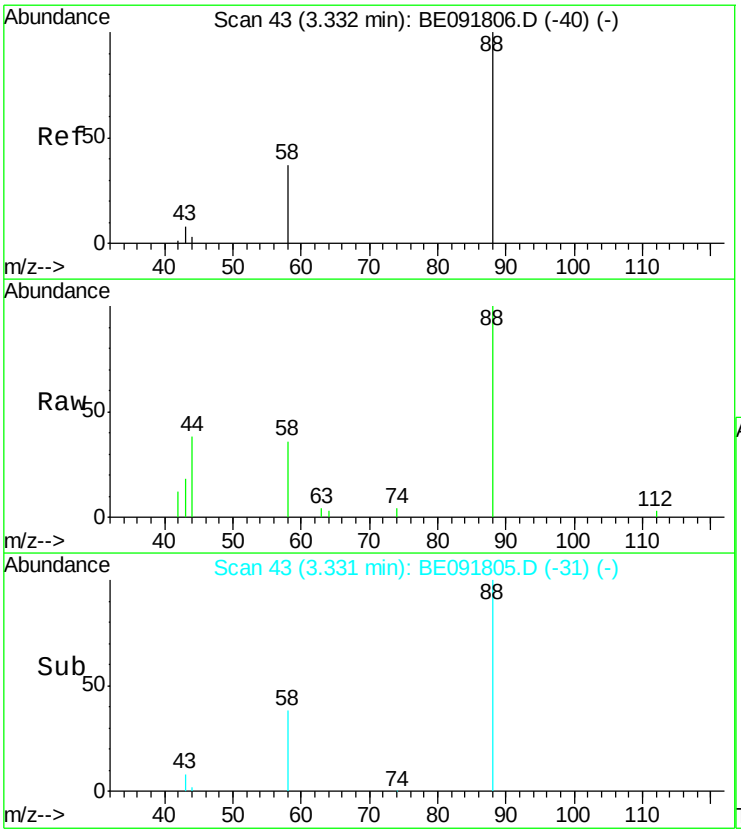
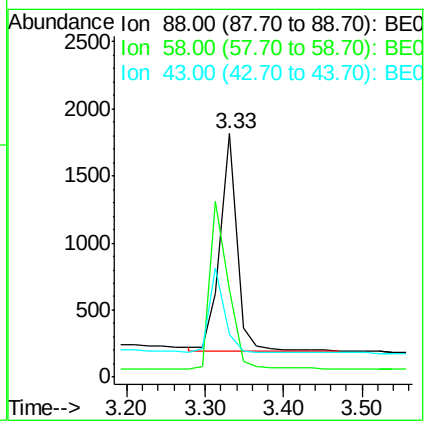
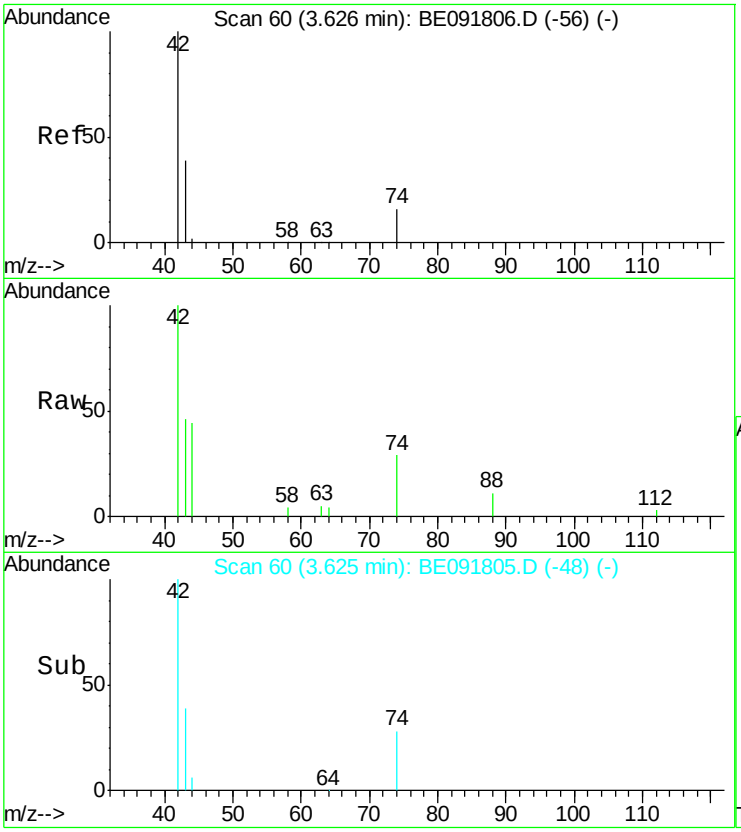


#2
1,4-Dioxane
Concen: 0.75 ng
RT: 3.33 min Scan# 43
Delta R.T. -0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion: 88 Resp: 2399

Ion	Ratio	Lower	Upper
88	100		
58	84.4	65.8	98.6
43	36.8	25.3	37.9





#3
n-Nitrosodimethylamine
Concen: 0.80 ng
RT: 3.62 min Scan# 60
Delta R.T. -0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion: 42 Resp: 3062

Ion	Ratio	Lower	Upper
42	100		
74	105.8	87.9	131.9
44	11.4	6.6	9.8#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

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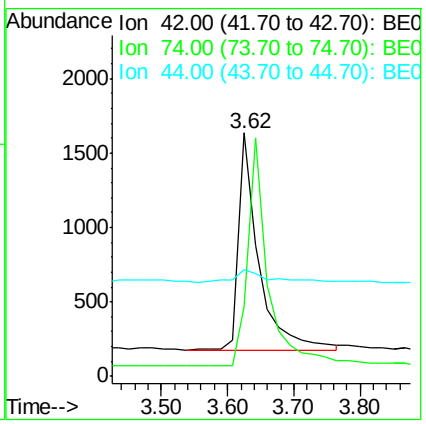
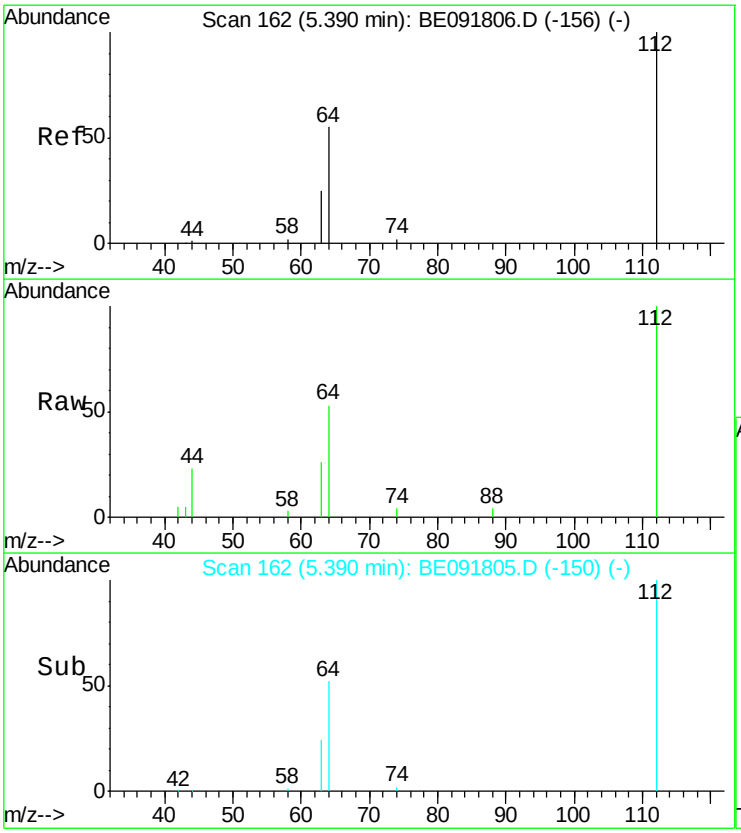
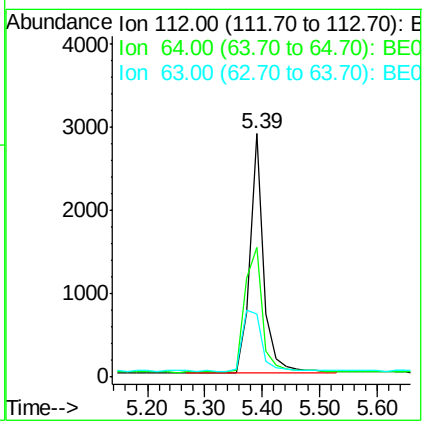


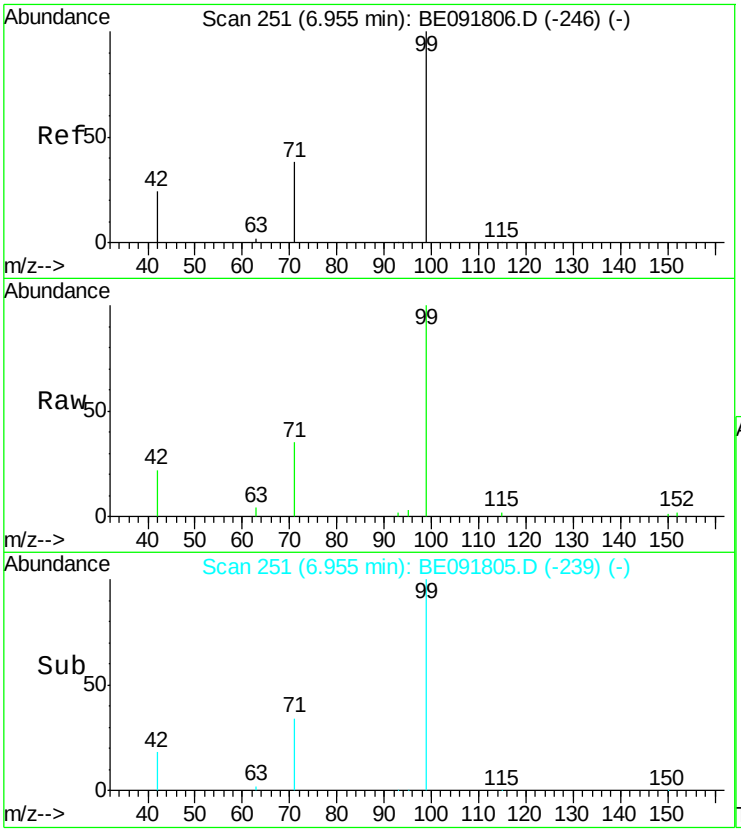


#4
2-Fluorophenol
Concen: 0.93 ng
RT: 5.39 min Scan# 162
Delta R.T. -0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:112 Resp: 4863

Ion	Ratio	Lower	Upper
112	100		
64	67.0	30.9	46.3#
63	35.2	16.7	25.1#





#5
Phenol-d6
Concen: 0.97 ng
RT: 6.95 min Scan# 251
Delta R.T. -0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion: 99 Resp: 6672

Ion	Ratio	Lower	Upper
99	100		
42	24.6	16.2	24.2#
71	35.9	29.0	43.4

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

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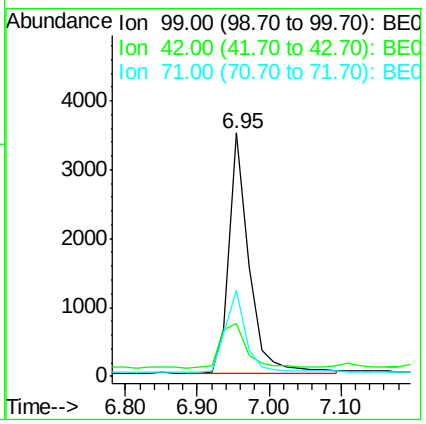
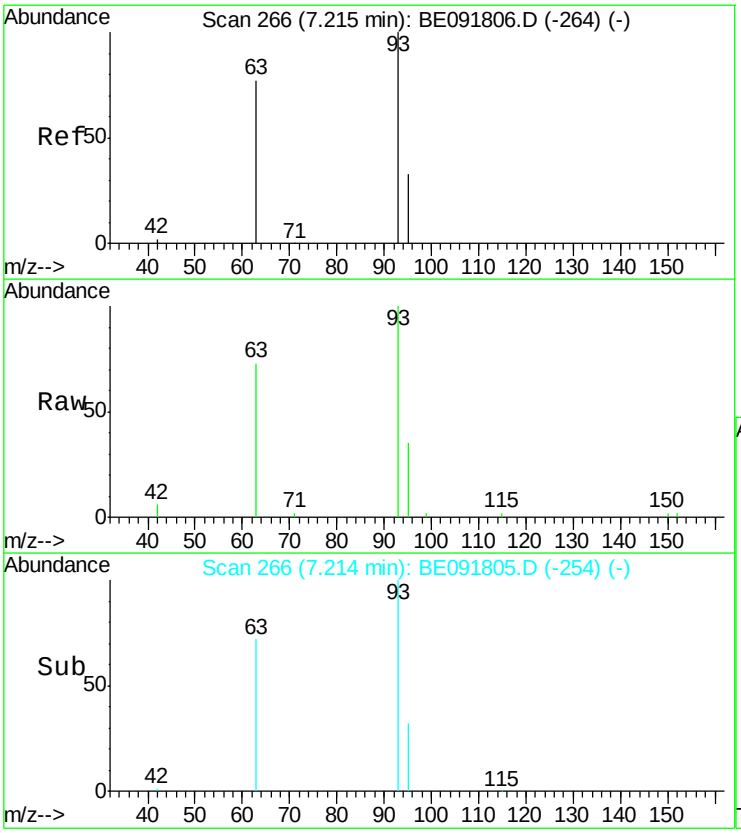
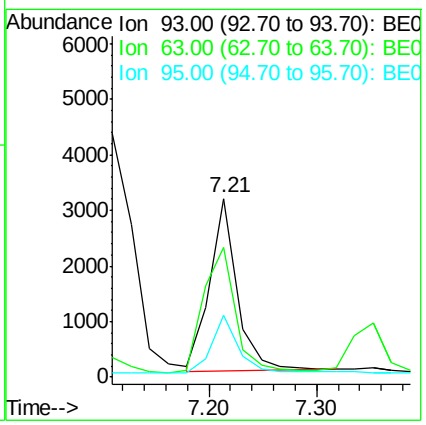


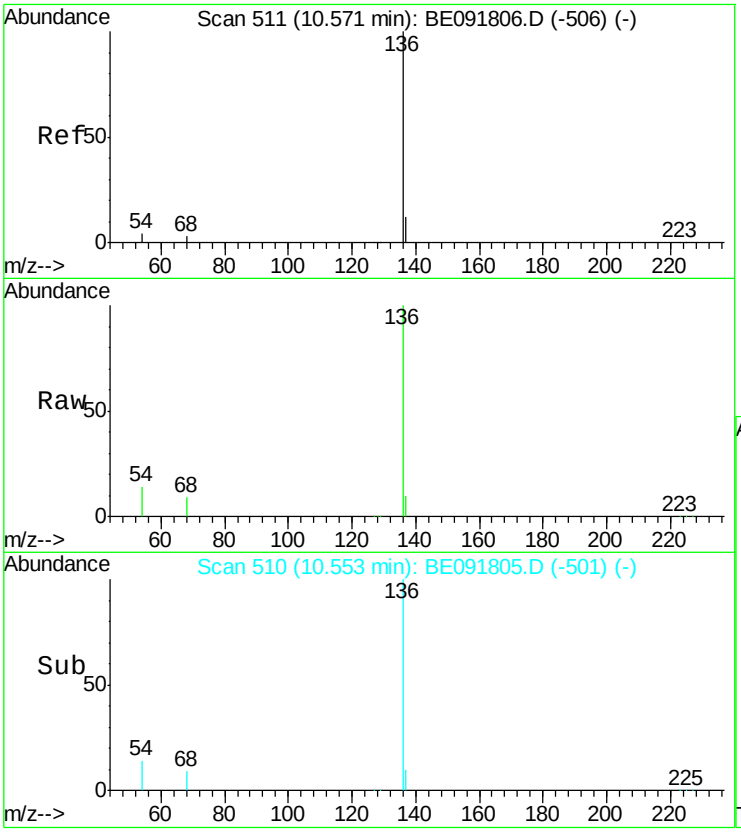


#6
bis(2-Chloroethyl)ether
Concen: 0.91 ng
RT: 7.21 min Scan# 266
Delta R.T. -0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion: 93 Resp: 5528

Ion	Ratio	Lower	Upper
93	100		
63	84.6	49.5	74.3#
95	32.8	22.2	33.4

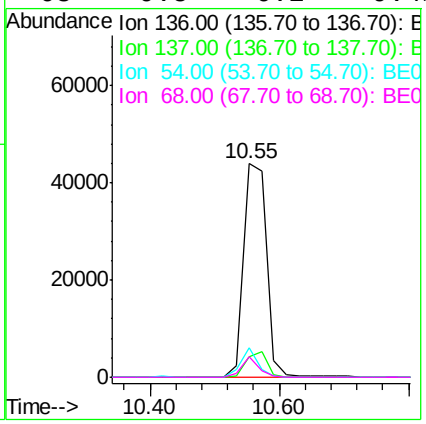




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.55 min Scan# 510
Delta R.T. -0.02 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:136 Resp: 107628

Ion	Ratio	Lower	Upper
136	100		
137	9.8	8.9	13.3
54	14.0	8.2	12.4#
68	9.5	6.2	9.4#



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

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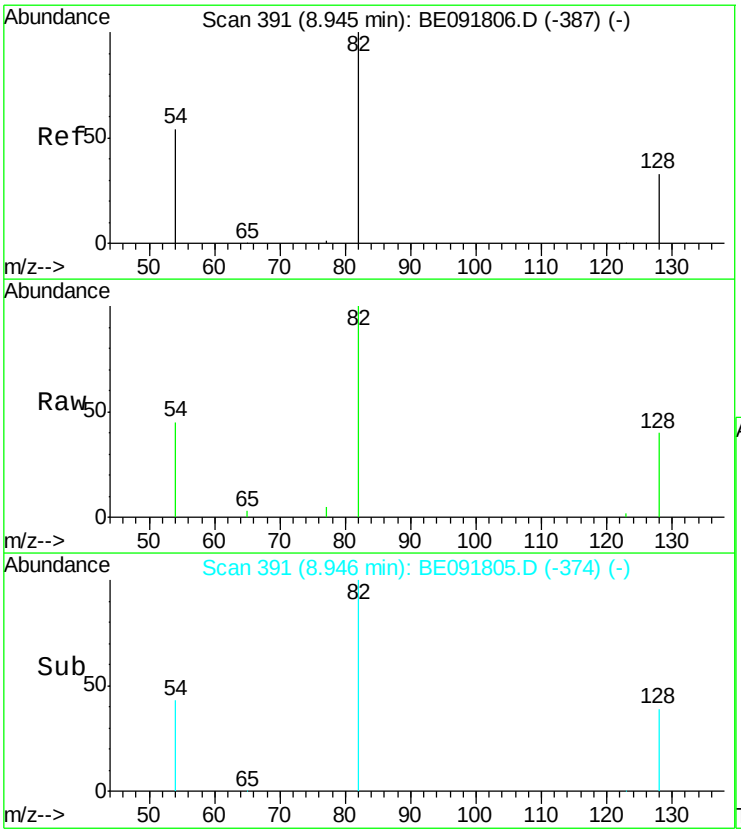
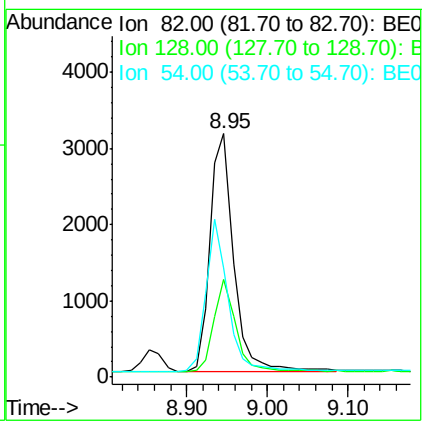
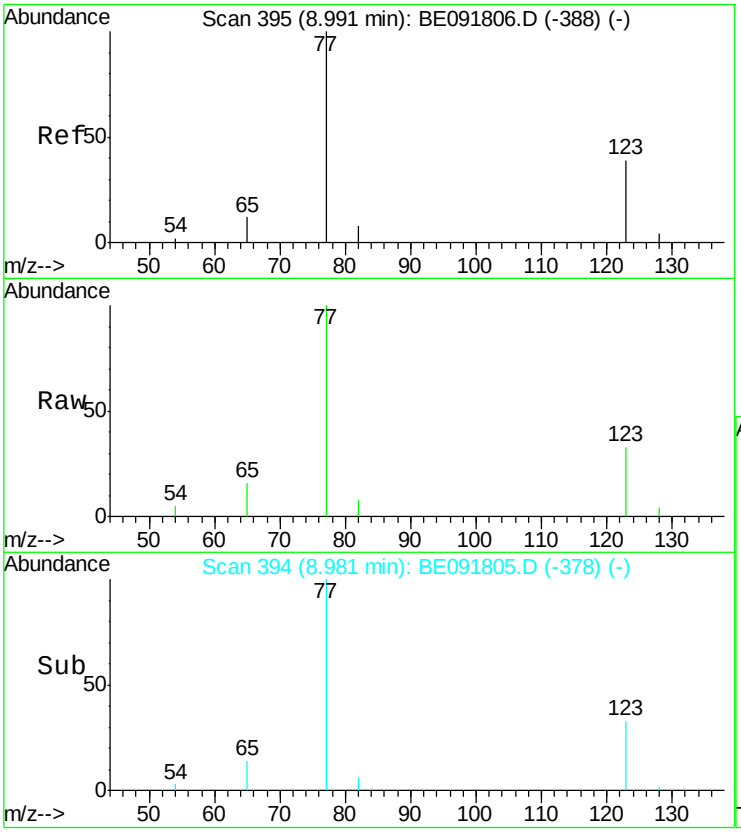


#8
Nitrobenzene-d5
Concen: 0.92 ng
RT: 8.95 min Scan# 391
Delta R.T. 0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion: 82 Resp: 6424

Ion	Ratio	Lower	Upper
82	100		
128	39.9	25.4	38.0#
54	44.7	48.4	72.6#

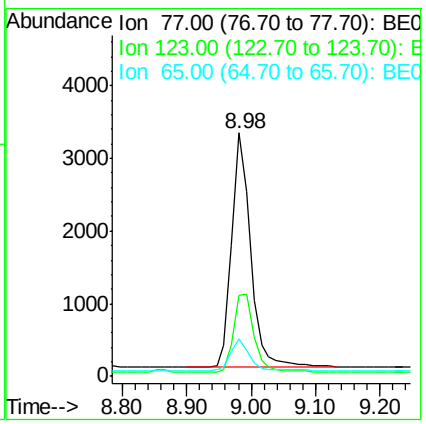




#9
Nitrobenzene
Concen: 0.90 ng
RT: 8.98 min Scan# 394
Delta R.T. -0.01 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion: 77 Resp: 6553

Ion	Ratio	Lower	Upper
77	100		
123	36.5	26.9	40.3
65	13.7	9.4	14.2



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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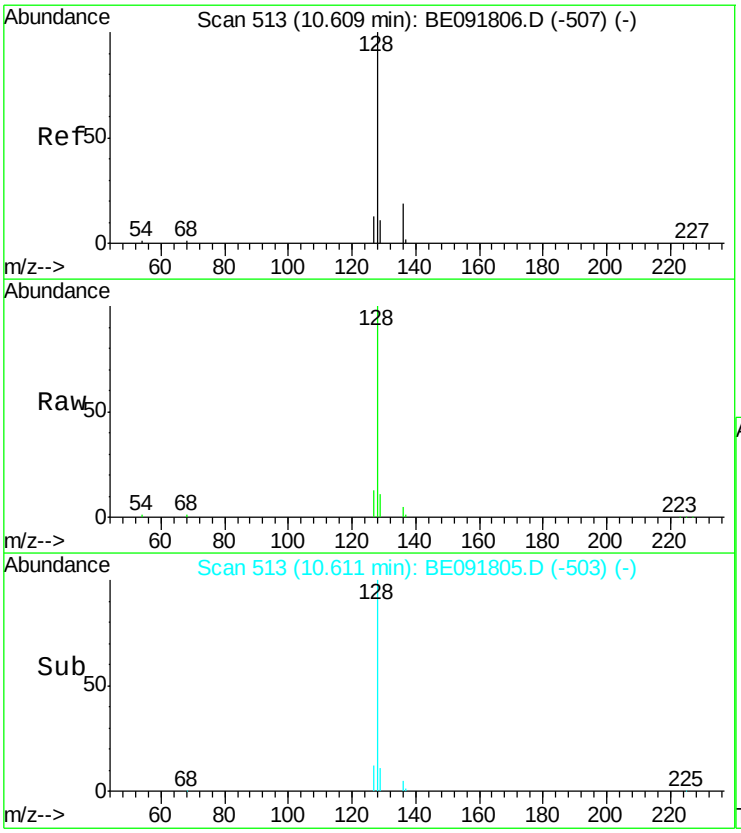
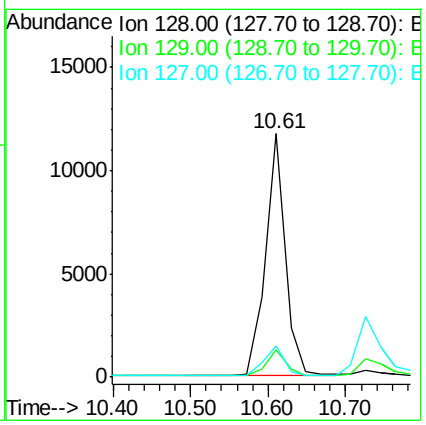
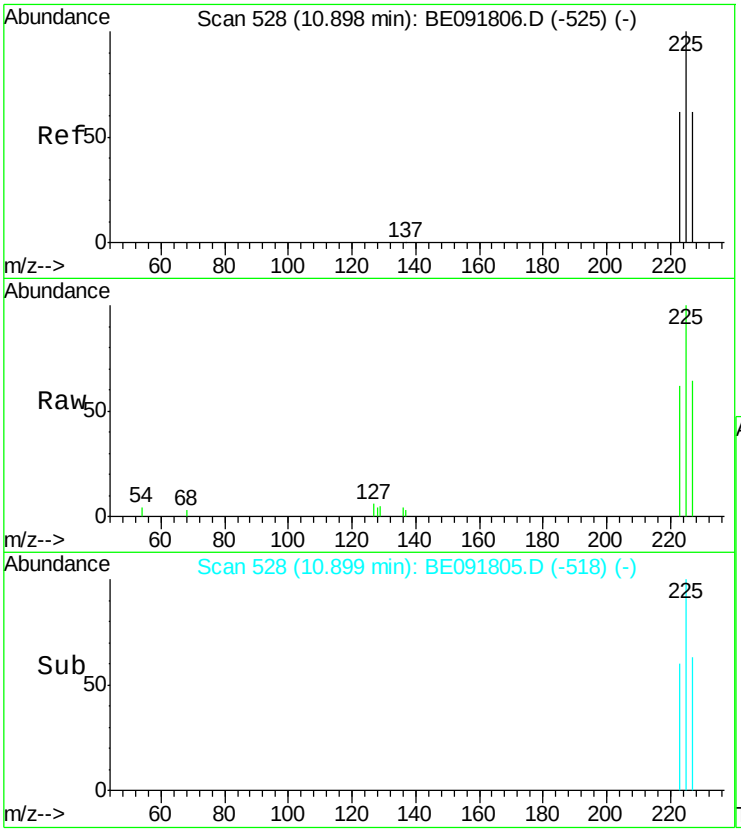


#10
Naphthalene
Concen: 0.97 ng
RT: 10.61 min Scan# 513
Delta R.T. 0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:128 Resp: 21014

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.3	13.9
127	12.8	10.7	16.1

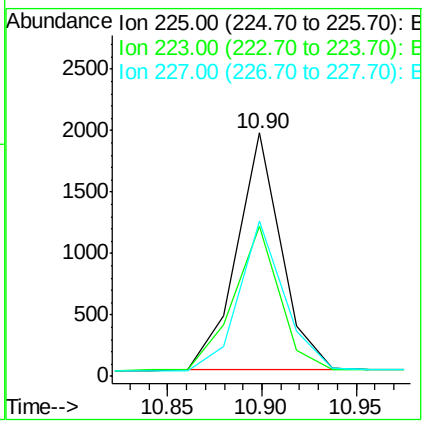




#11
Hexachlorobutadiene
Concen: 0.99 ng m
RT: 10.90 min Scan# 528
Delta R.T. 0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:225 Resp: 3173

Ion	Ratio	Lower	Upper
225	100		
223	87.7	49.0	73.6#
227	88.0	50.3	75.5#



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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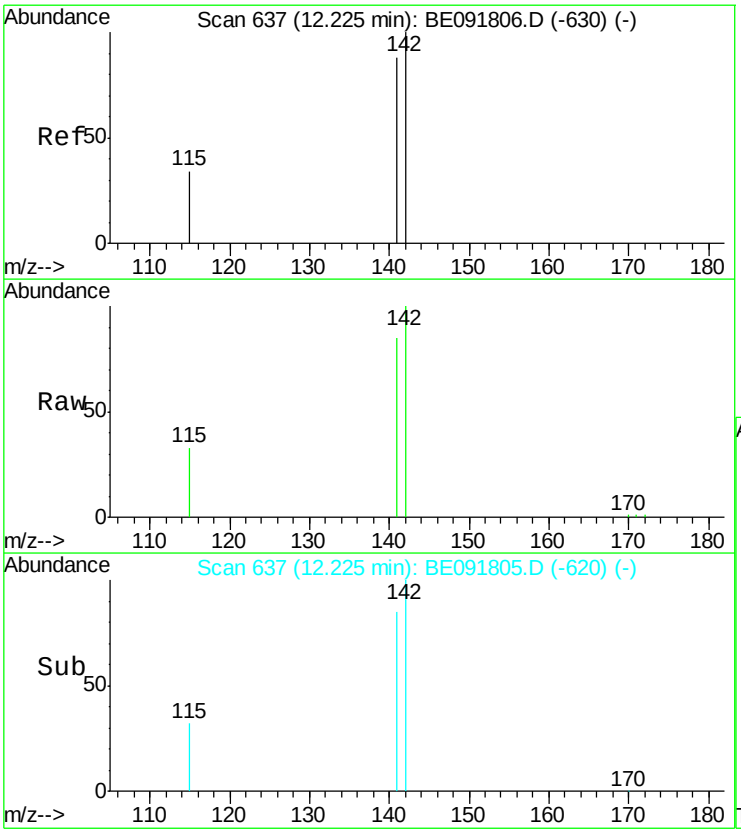
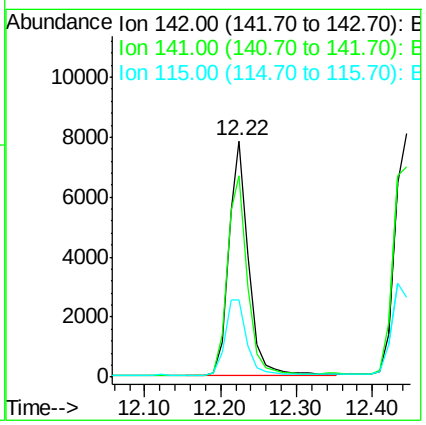
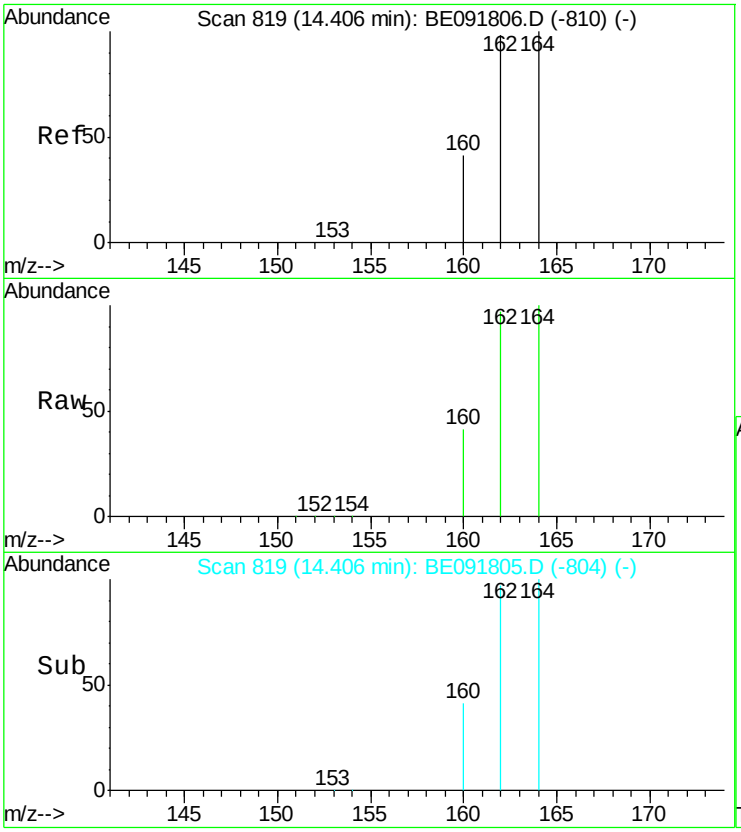


#12
2-Methylnaphthalene
Concen: 1.02 ng
RT: 12.22 min Scan# 637
Delta R.T. -0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:142 Resp: 14197

Ion	Ratio	Lower	Upper
142	100		
141	85.0	71.4	107.0
115	32.8	30.3	45.5





#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.41 min Scan# 819
Delta R.T. -0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:164 Resp: 73219

Ion	Ratio	Lower	Upper
164	100		
162	96.9	85.3	127.9
160	41.3	46.2	69.2#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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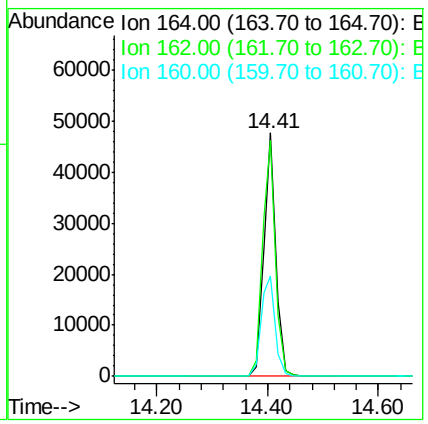
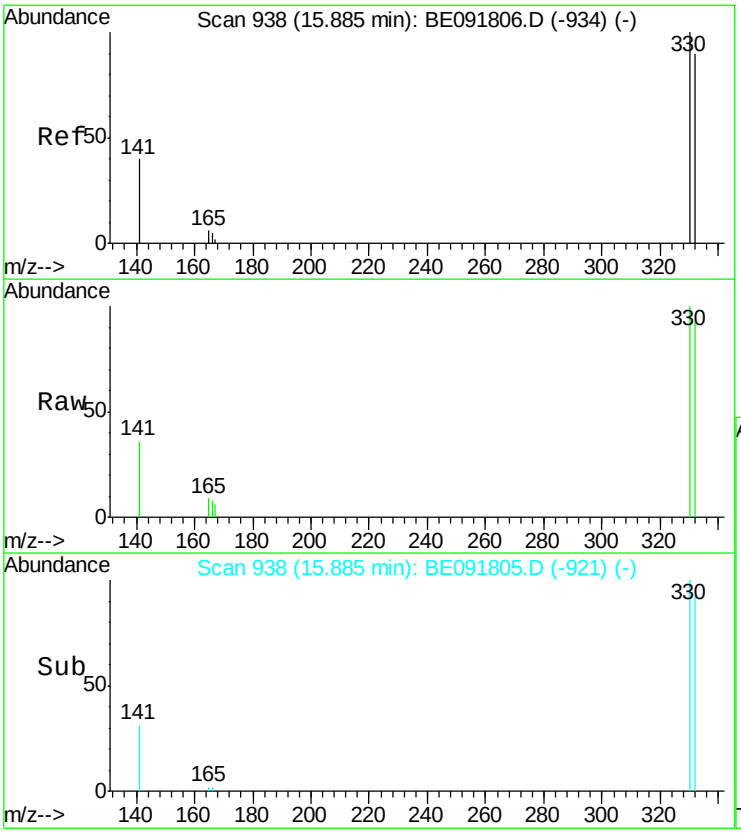
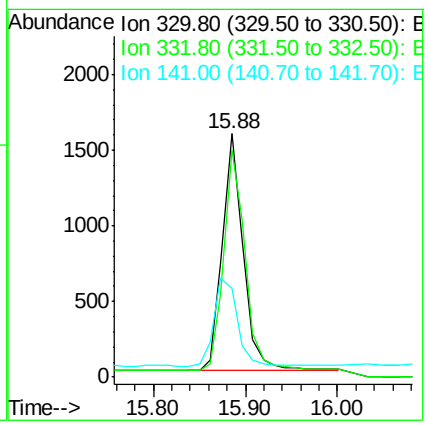


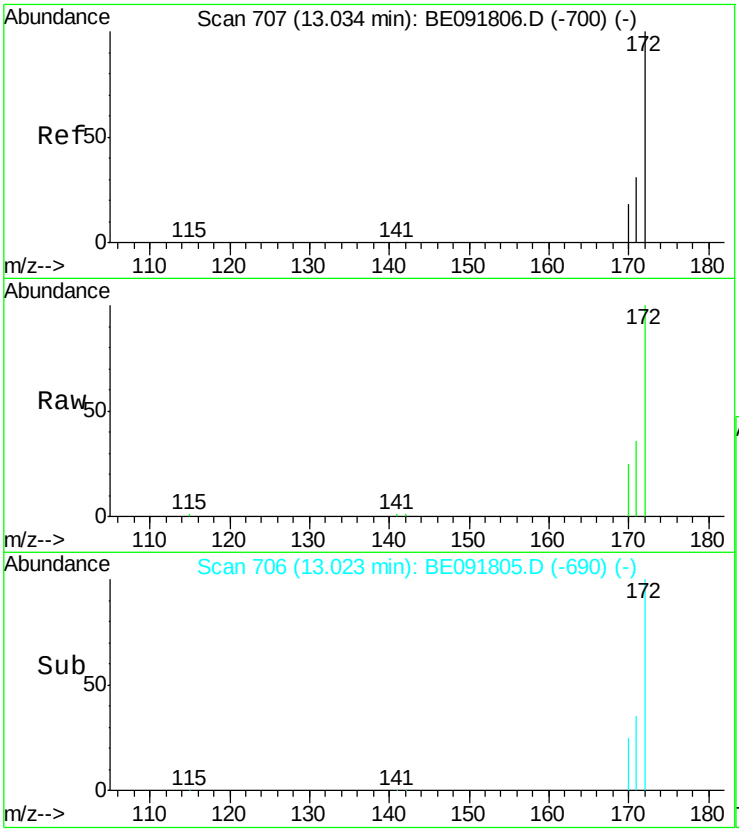


#14
2,4,6-Tribromophenol
Concen: 1.08 ng
RT: 15.88 min Scan# 938
Delta R.T. -0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:330 Resp: 2472

Ion	Ratio	Lower	Upper
330	100		
332	96.0	79.1	118.7
141	42.2	125.4	188.0#

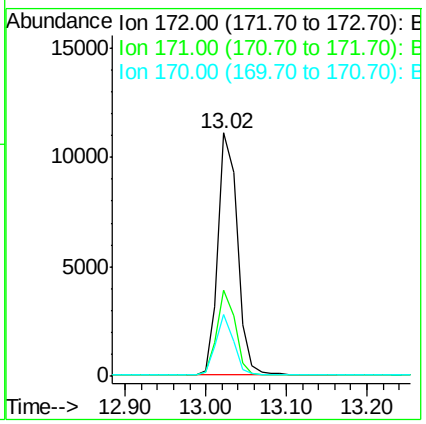




#15
2-Fluorobiphenyl
Concen: 0.90 ng
RT: 13.02 min Scan# 706
Delta R.T. -0.01 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:172 Resp: 18697

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.8	43.2
170	25.3	19.3	28.9



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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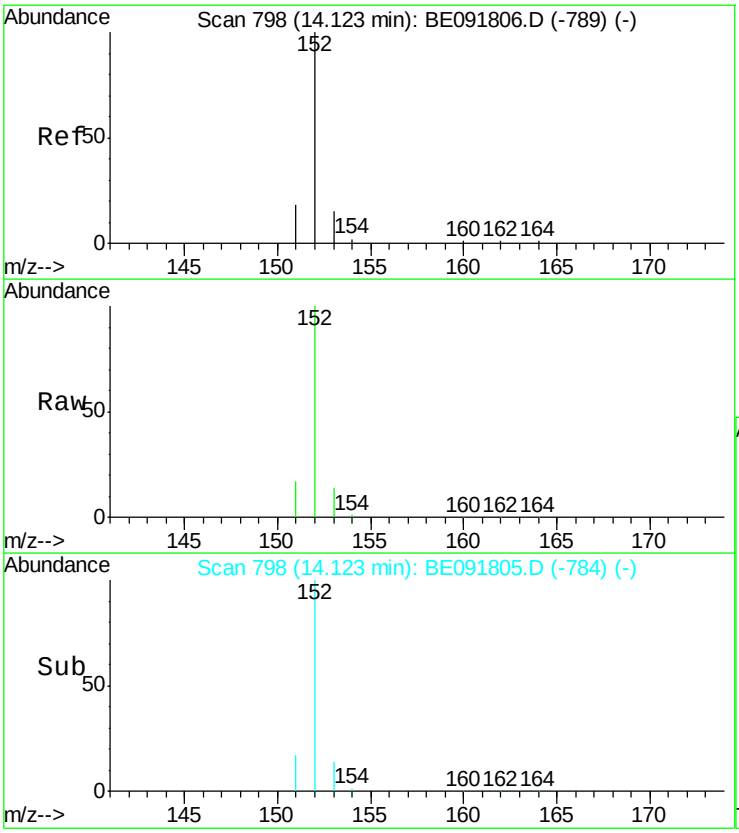
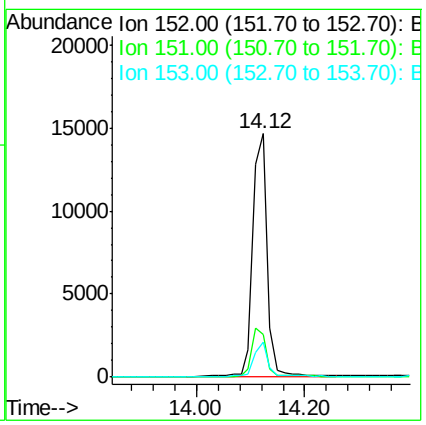
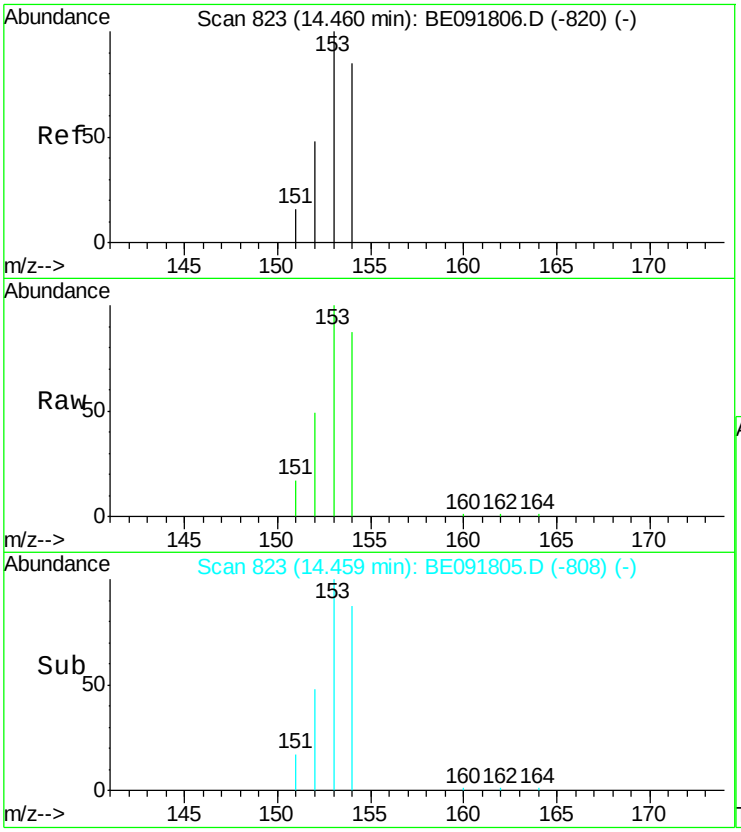


#16
Acenaphthylene
Concen: 1.05 ng
RT: 14.12 min Scan# 798
Delta R.T. -0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:152 Resp: 29683

Ion	Ratio	Lower	Upper
152	100		
151	21.7	3.9	5.9#
153	15.6	10.3	15.5#

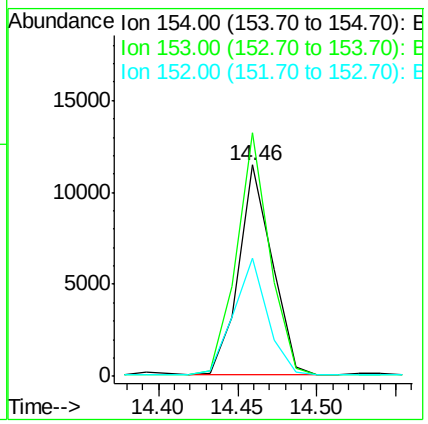




#17
Acenaphthene
Concen: 0.92 ng
RT: 14.46 min Scan# 823
Delta R.T. -0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:154 Resp: 16803

Ion	Ratio	Lower	Upper
154	100		
153	114.9	80.0	120.0
152	57.0	40.0	60.0



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

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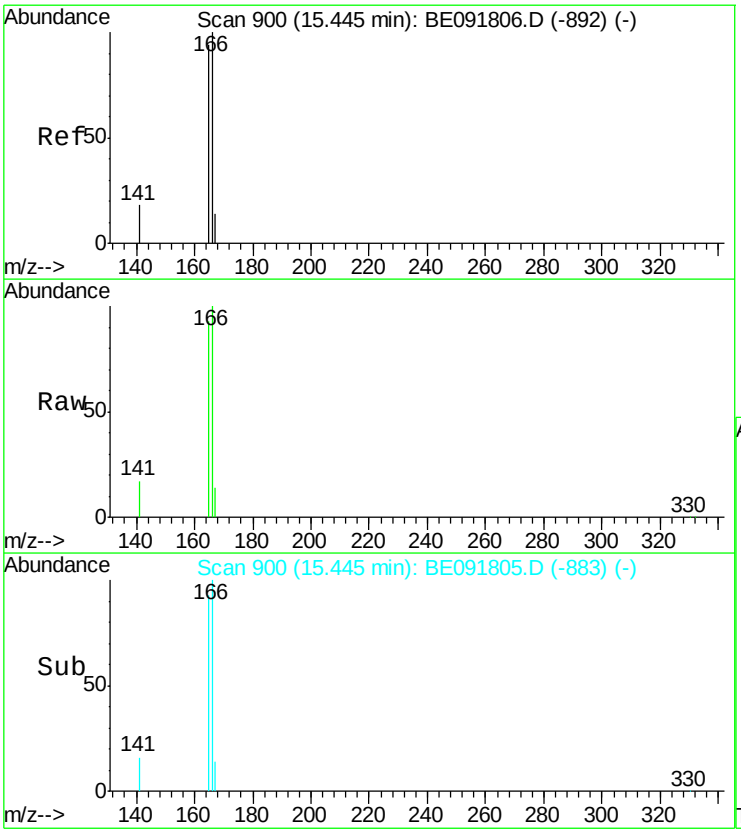
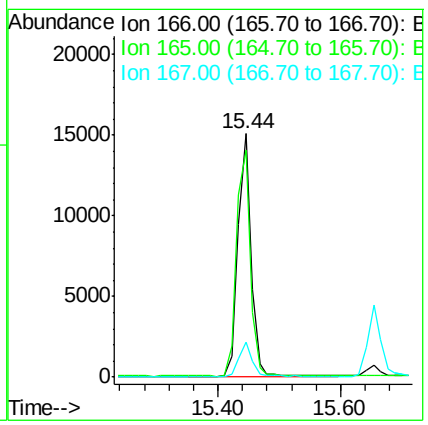
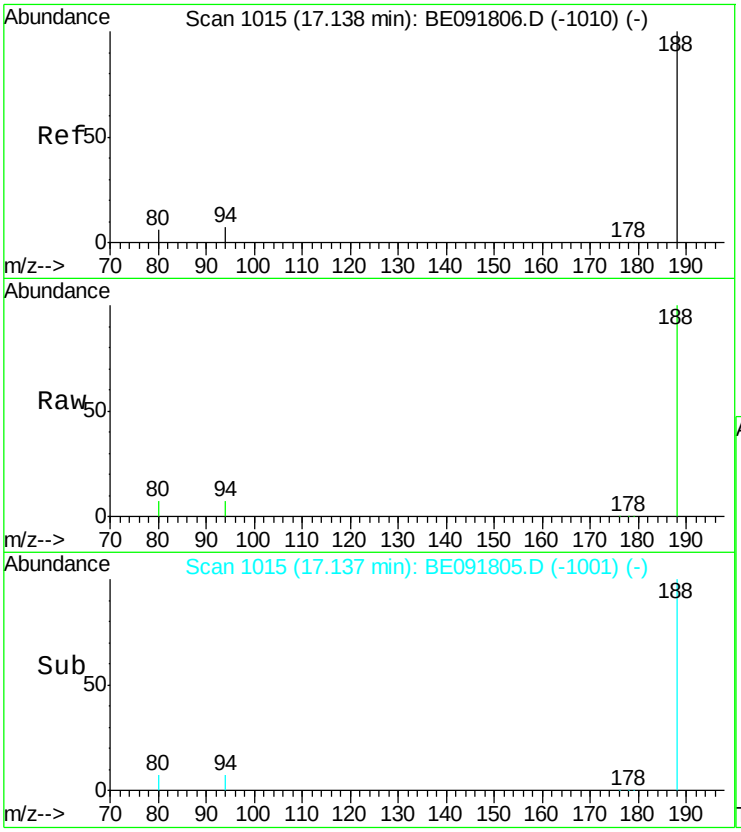


#18
Fluorene
Concen: 0.99 ng
RT: 15.44 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:166 Resp: 22516

Ion	Ratio	Lower	Upper
166	100		
165	99.4	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. -0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:188 Resp: 222674

Ion	Ratio	Lower	Upper
188	100		
94	7.5	8.7	13.1#
80	6.7	9.4	14.0#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

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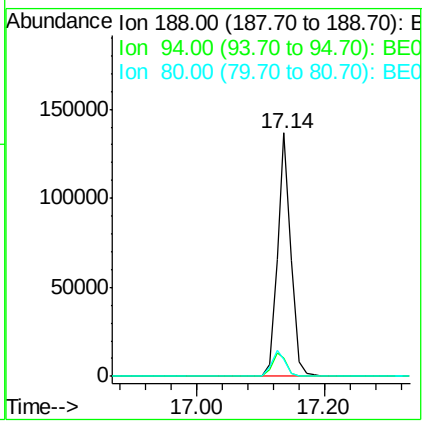
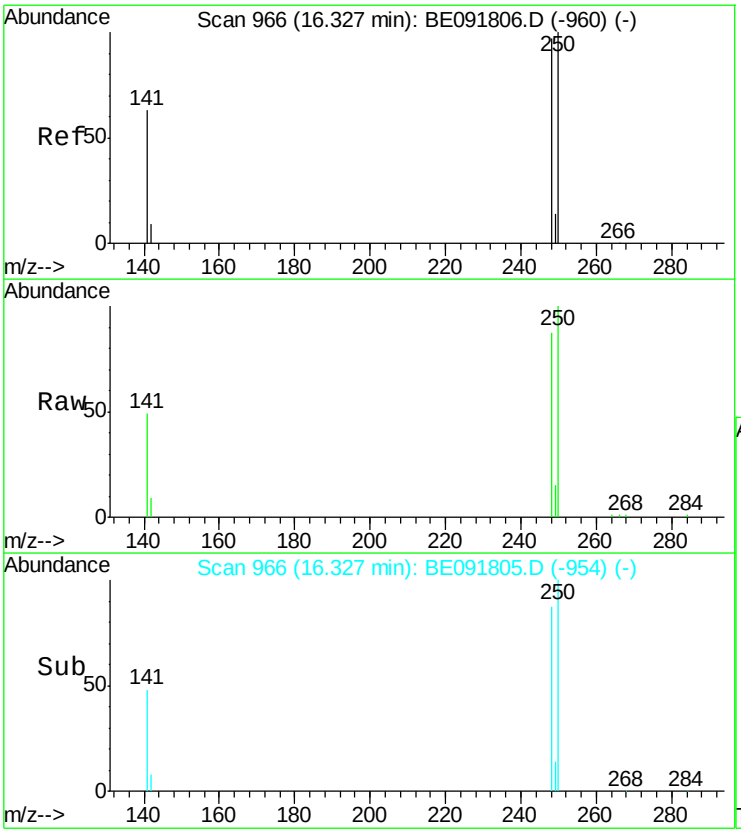
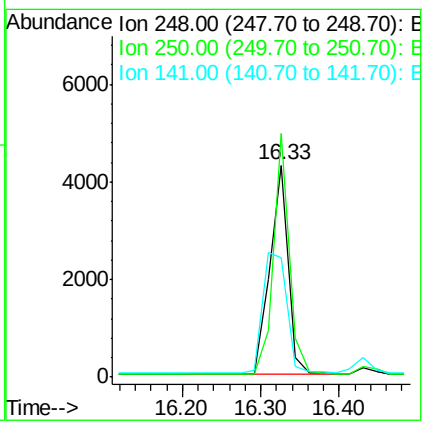


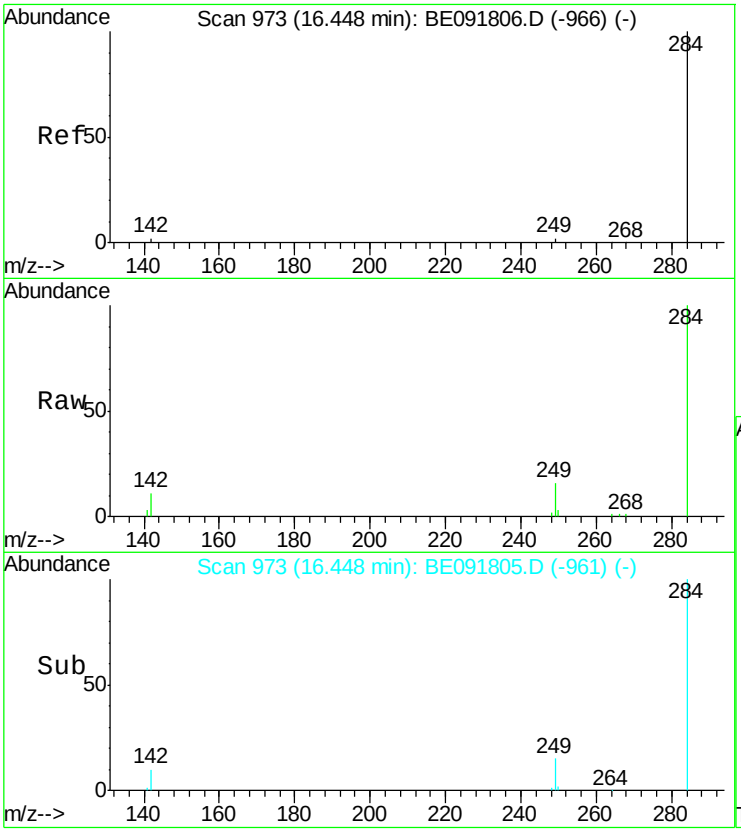


#20
4-Bromophenyl-phenylether
Concen: 0.87 ng
RT: 16.33 min Scan# 966
Delta R.T. -0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:248 Resp: 6971

Ion	Ratio	Lower	Upper
248	100		
250	100.2	80.5	120.7
141	76.9	72.0	108.0

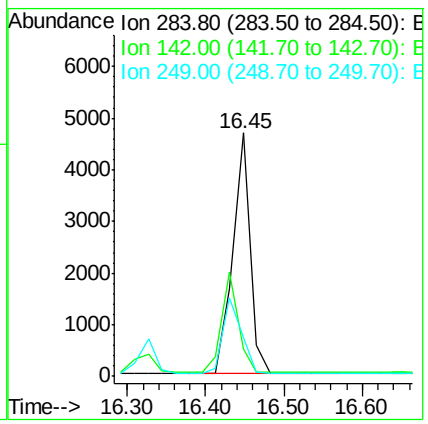




#21
Hexachlorobenzene
Concen: 0.90 ng
RT: 16.45 min Scan# 973
Delta R.T. -0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:284 Resp: 7193

Ion	Ratio	Lower	Upper
284	100		
142	39.4	32.2	48.2
249	33.0	25.4	38.2



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

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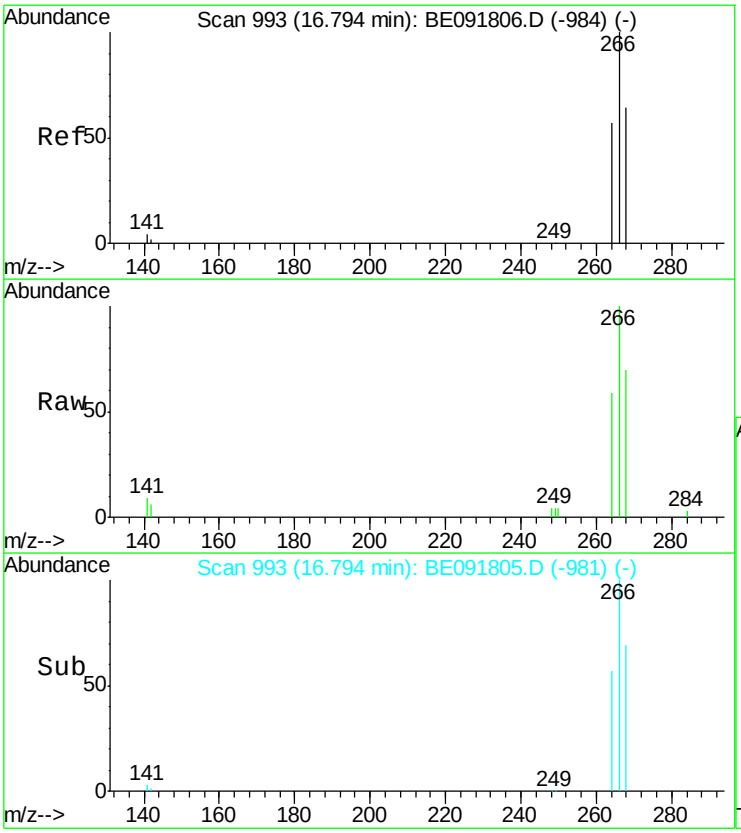
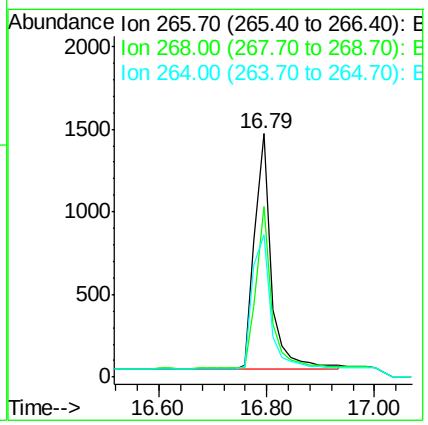
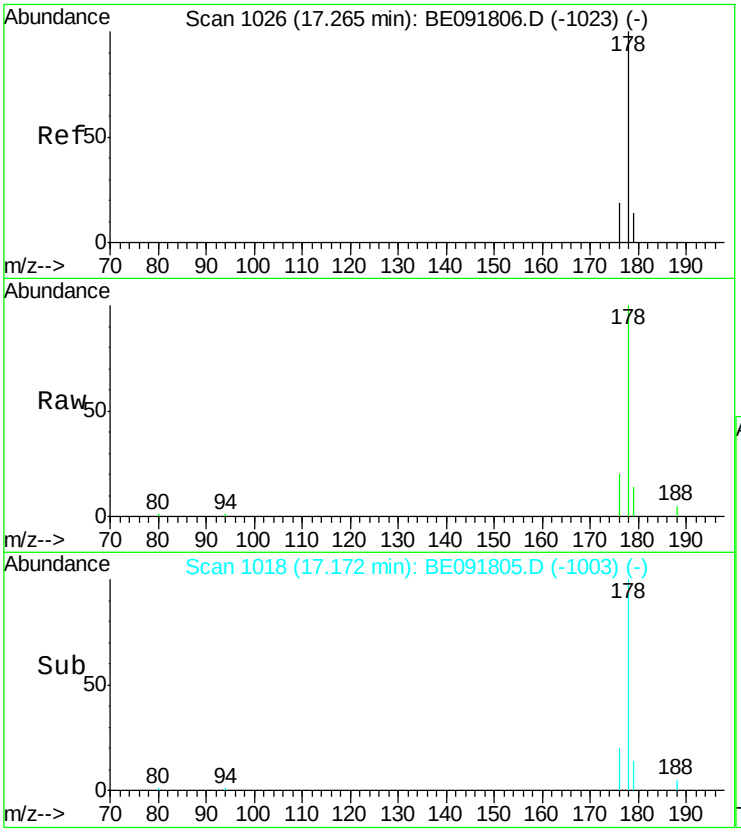


#22
Pentachlorophenol
Concen: 0.81 ng
RT: 16.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:266 Resp: 3042

Ion	Ratio	Lower	Upper
266	100		
268	69.9	58.2	87.2
264	58.5	56.2	84.4

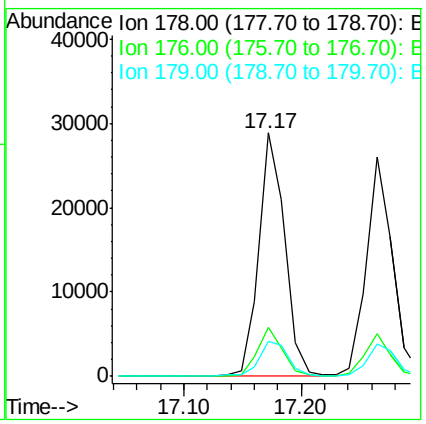




#23
Phenanthrene
Concen: 0.88 ng
RT: 17.17 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:178 Resp: 44344

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.9	12.6	18.8



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

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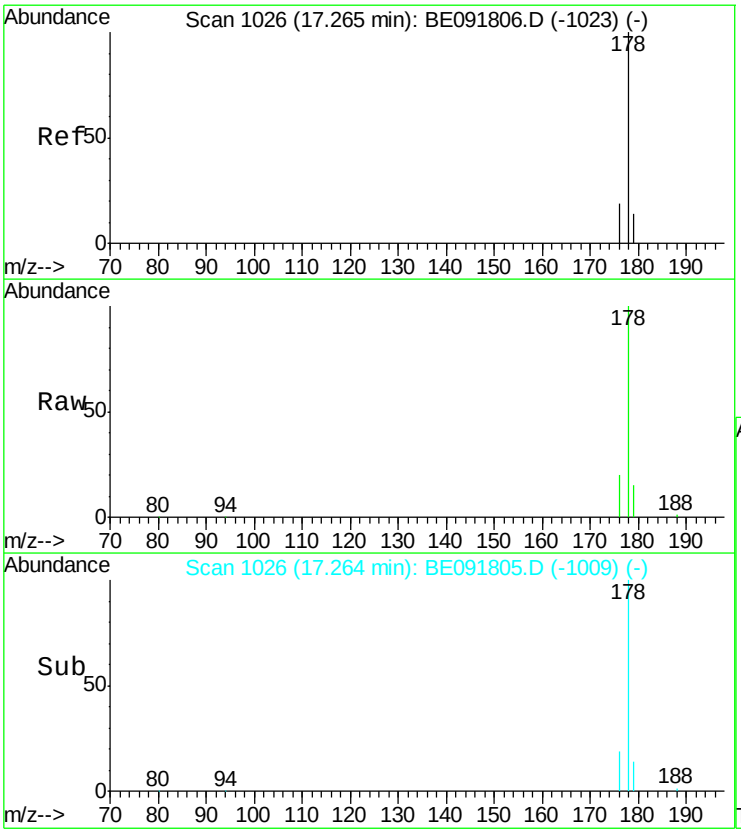
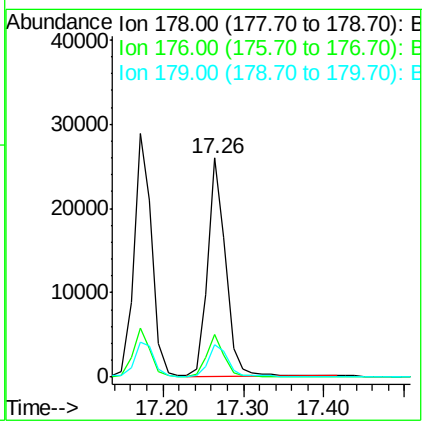
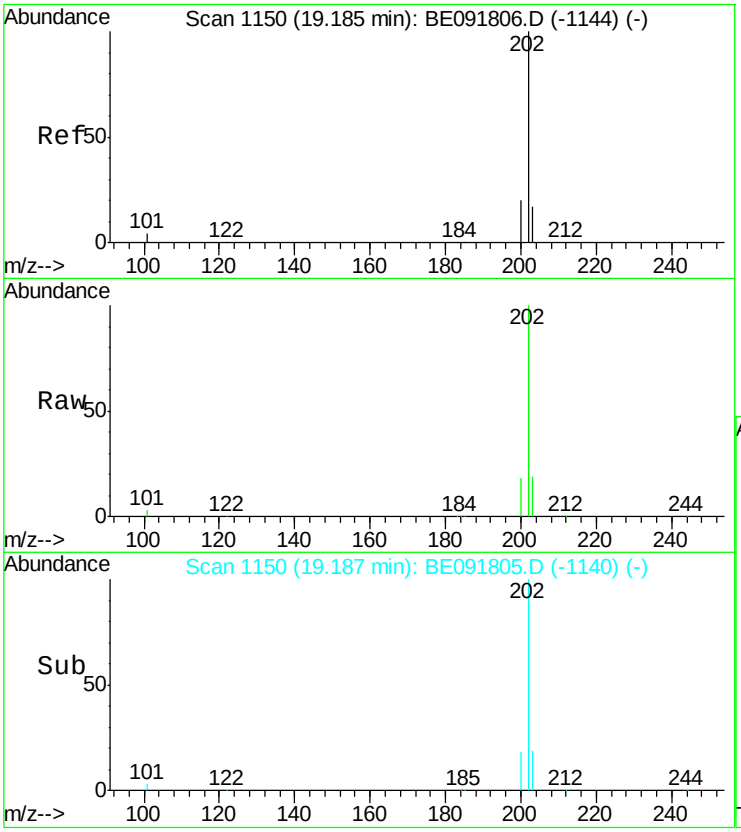


#24
Anthracene
Concen: 0.89 ng
RT: 17.26 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:178 Resp: 40385

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	21.8
179	15.3	11.8	17.6





#25
Fluoranthene
Concen: 0.95 ng
RT: 19.19 min Scan# 1150
Delta R.T. 0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:202 Resp: 50160

Ion	Ratio	Lower	Upper
202	100		
101	11.0	11.0	16.6#
203	17.7	13.9	20.9

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

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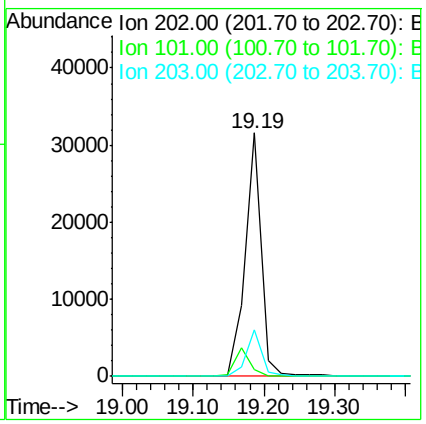
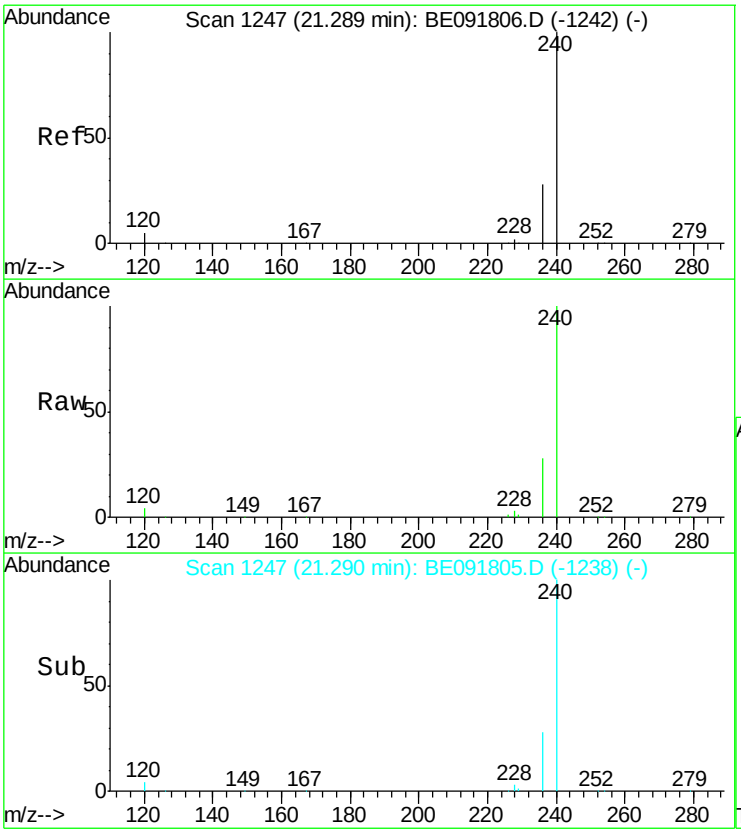
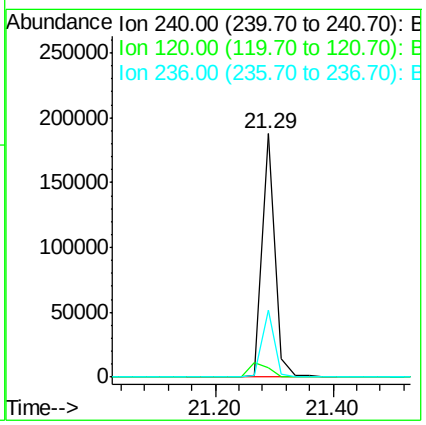


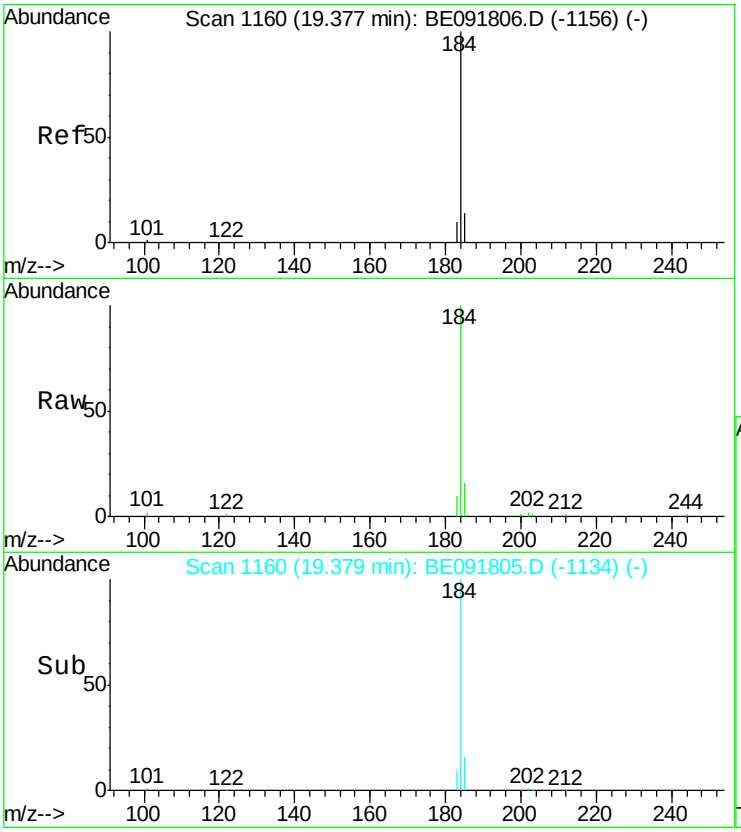


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:240 Resp: 285652

Ion	Ratio	Lower	Upper
240	100		
120	3.6	11.0	16.4#
236	27.7	21.7	32.5





#27
Benzidine
Concen: 0.93 ng m
RT: 19.38 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:184 Resp: 15122

Ion	Ratio	Lower	Upper
184	100		
185	16.4	22.3	33.5#
183	10.0	16.4	24.6#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

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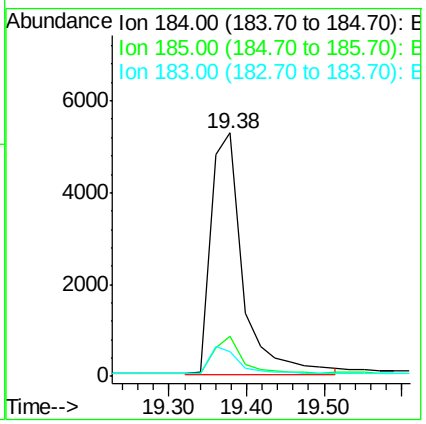
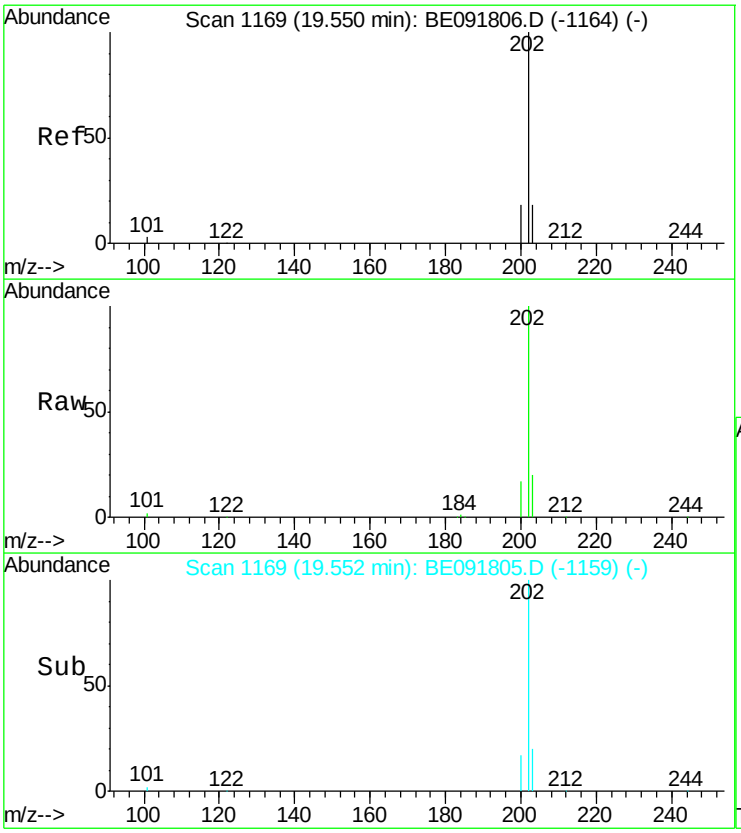
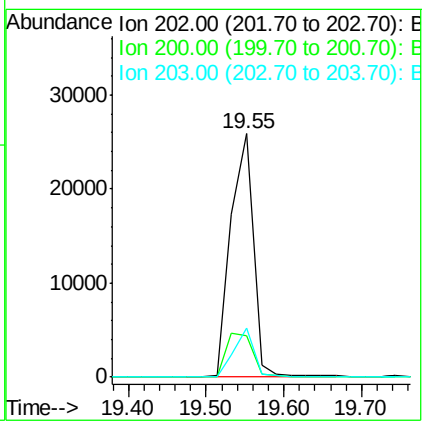


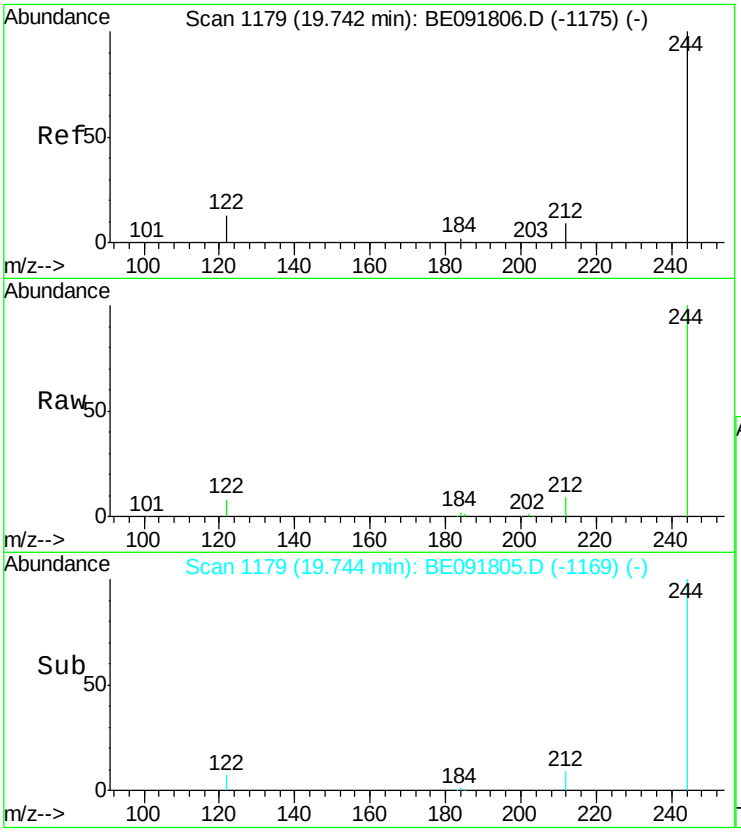


#28
Pyrene
Concen: 0.80 ng
RT: 19.55 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:202 Resp: 51869

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





#29
Terphenyl-d14
Concen: 0.78 ng
RT: 19.74 min Scan# 1179
Delta R.T. 0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:244 Resp: 34748

Ion	Ratio	Lower	Upper
244	100		
212	9.0	6.9	10.3
122	7.7	11.0	16.4#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

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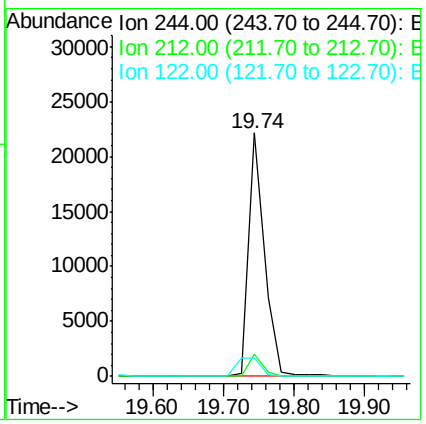
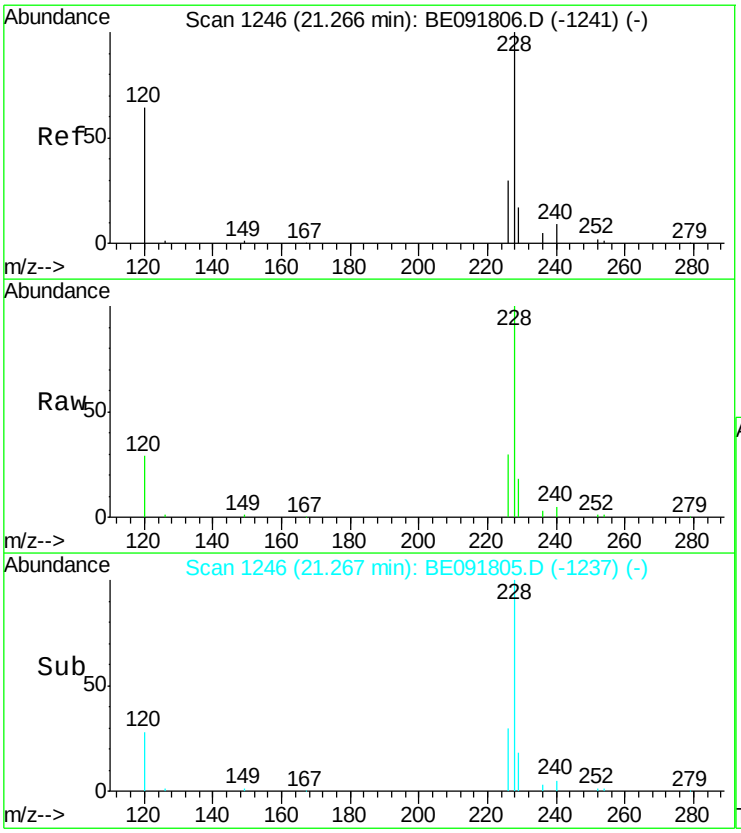
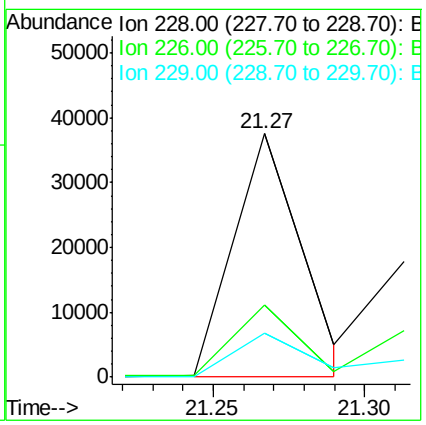


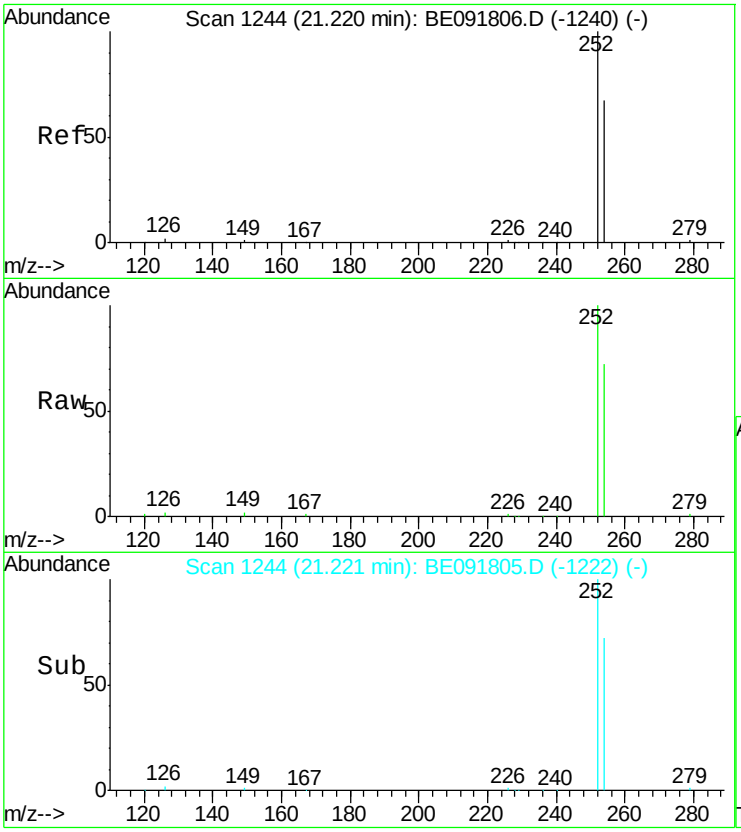


#30
Benzo(a)anthracene
Concen: 0.84 ng m
RT: 21.27 min Scan# 1246
Delta R.T. 0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:228 Resp: 58824

Ion	Ratio	Lower	Upper
228	100		
226	29.8	21.0	31.4
229	17.9	15.7	23.5





#31
3,3'-Dichlorobenzidine
Concen: 0.98 ng
RT: 21.22 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:252 Resp: 34884

Ion	Ratio	Lower	Upper
252	100		
254	72.1	51.1	76.7
126	2.1	12.6	18.8#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

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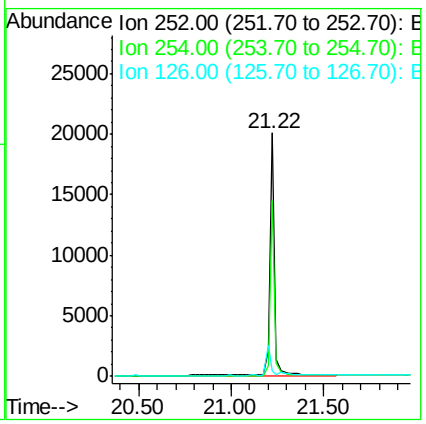
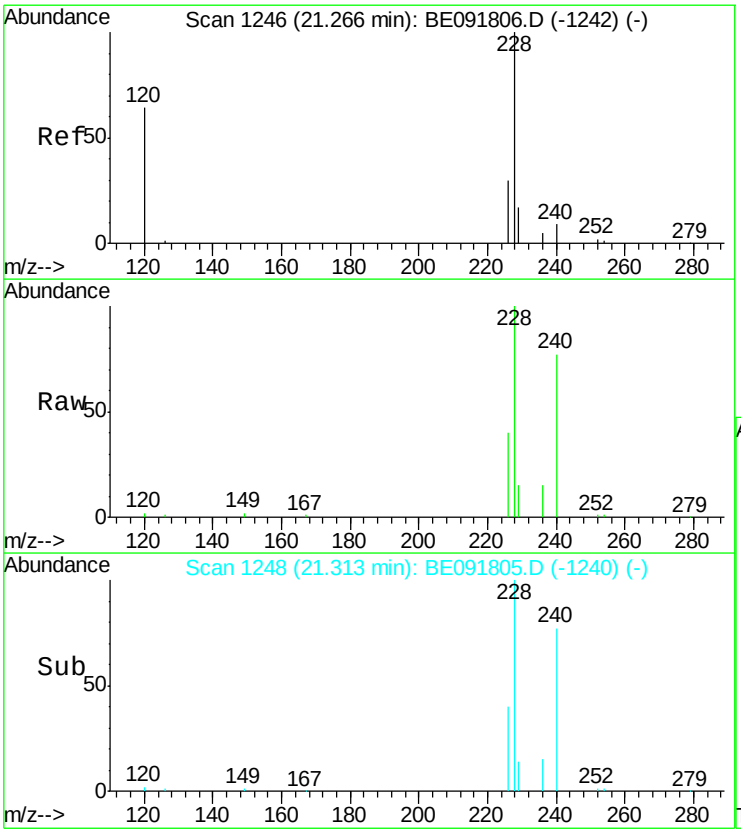
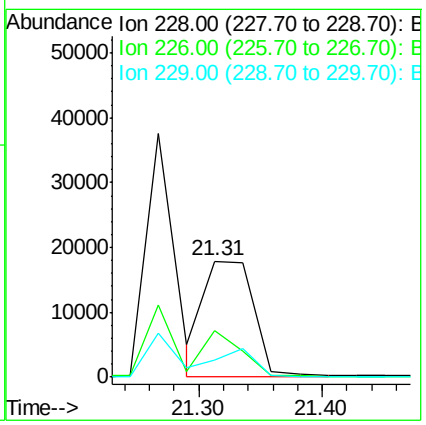


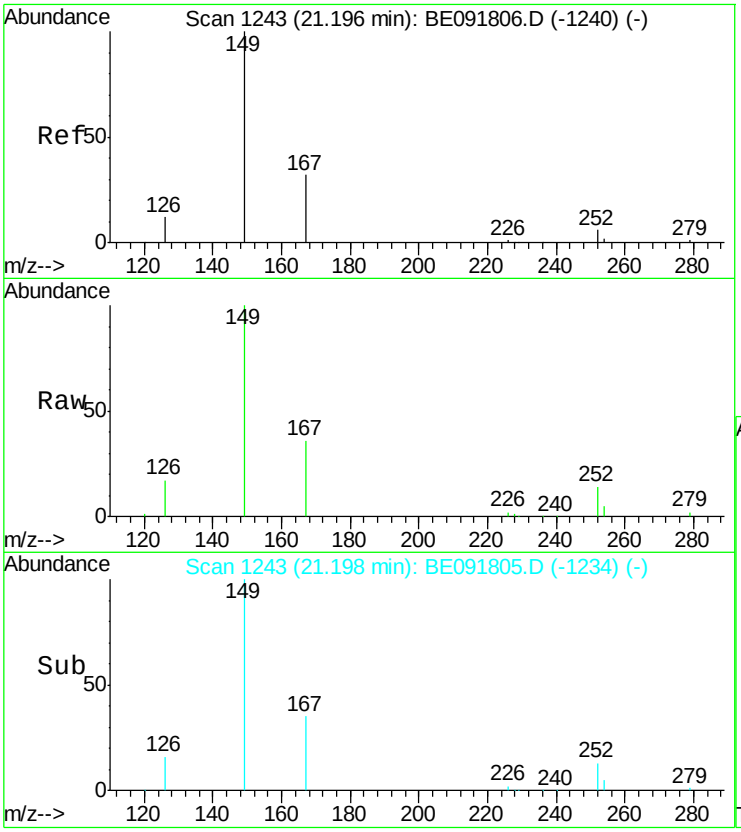


#32
Chrysene
Concen: 0.71 ng m
RT: 21.31 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:228 Resp: 51262

Ion	Ratio	Lower	Upper
228	100		
226	40.0	24.0	36.0#
229	14.8	15.9	23.9#





#33
Bis(2-ethylhexyl)phthalate
Concen: 1.10 ng
RT: 21.20 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

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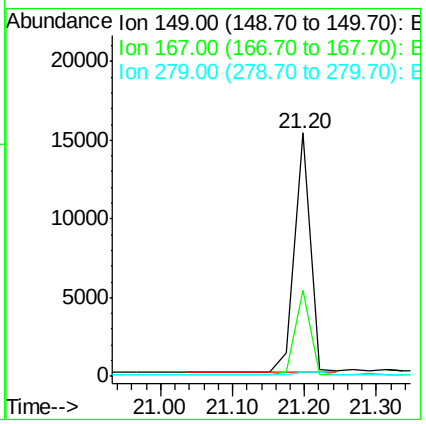
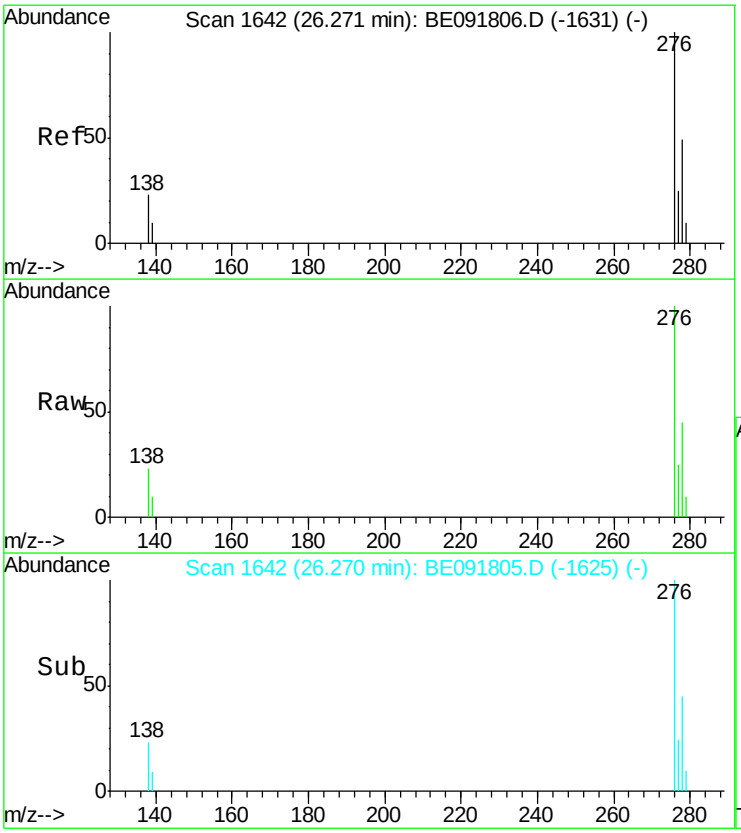
Tgt Ion:149 Resp: 23286

Ion	Ratio	Lower	Upper
149	100		
167	33.5	19.5	29.3#
279	2.6	10.0	15.0#

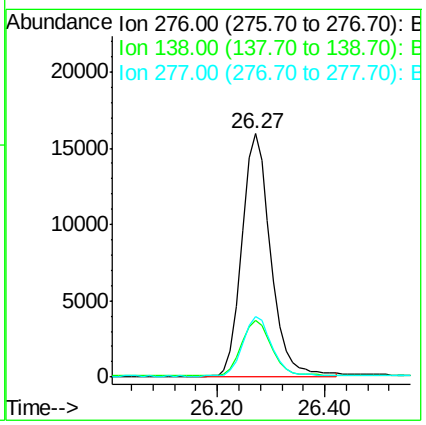


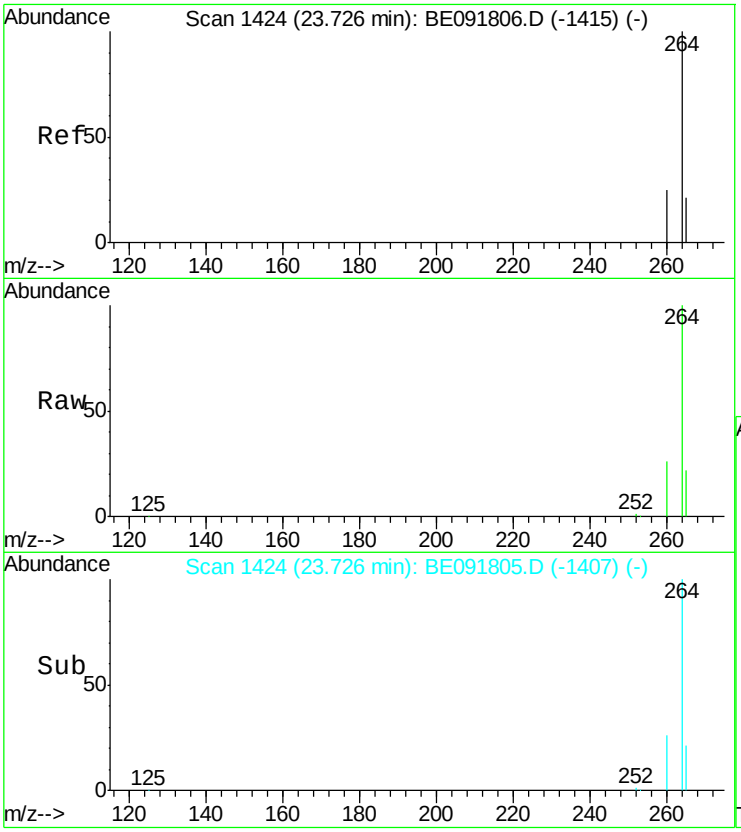


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.91 ng
RT: 26.27 min Scan# 1642
Delta R.T. -0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:276 Resp: 59037

Ion	Ratio	Lower	Upper
276	100		
138	24.2	23.4	35.2
277	24.8	19.8	29.8

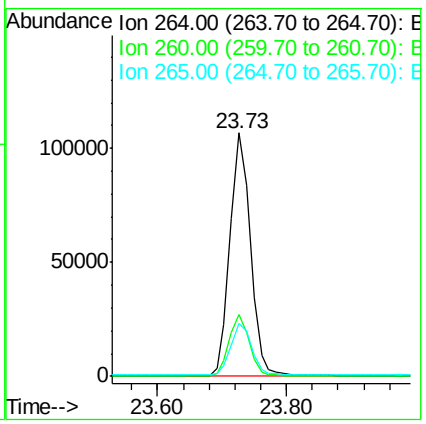




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.73 min Scan# 1424
Delta R.T. -0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:264 Resp: 235857

Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.0	30.0
265	21.7	17.5	26.3



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

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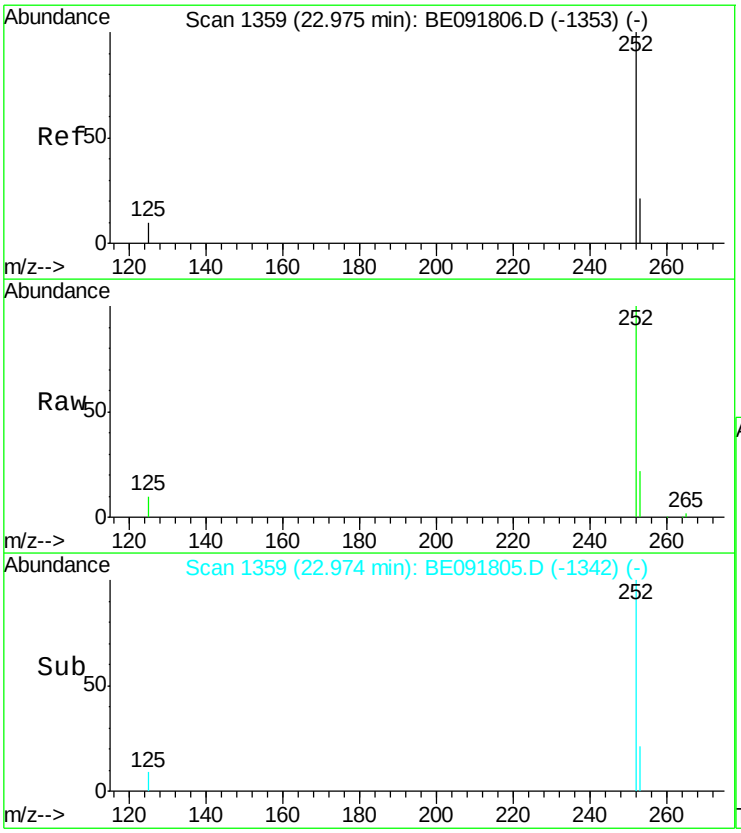
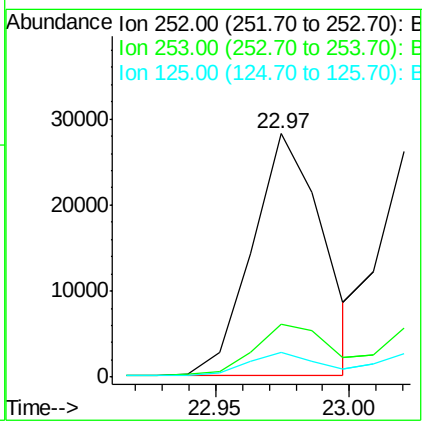
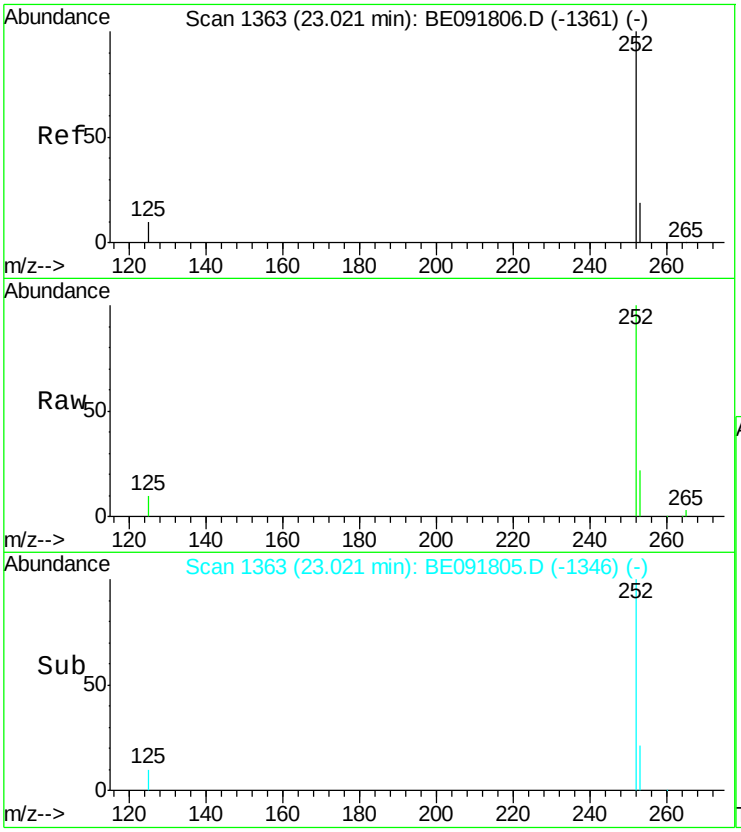


#36
Benzo(b)fluoranthene
Concen: 0.93 ng m
RT: 22.97 min Scan# 1359
Delta R.T. -0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:252 Resp: 51629

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	10.1	10.2	15.2#





#37
Benzo(k)fluoranthene
Concen: 0.96 ng
RT: 23.02 min Scan# 1363
Delta R.T. -0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:252 Resp: 54153

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.6	26.4
125	10.3	9.9	14.9

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

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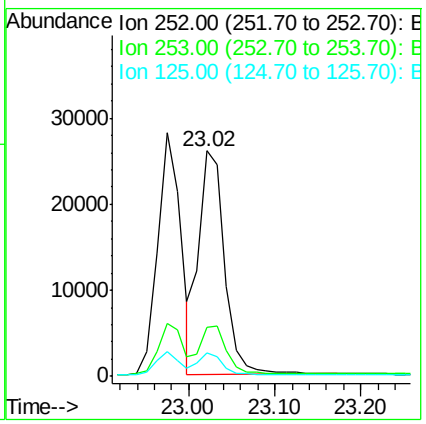
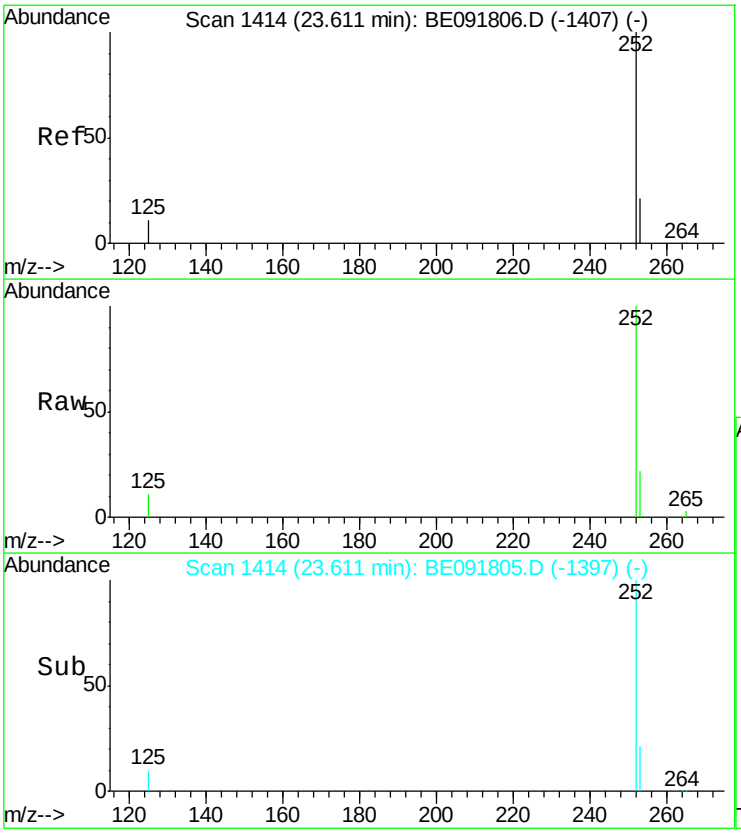
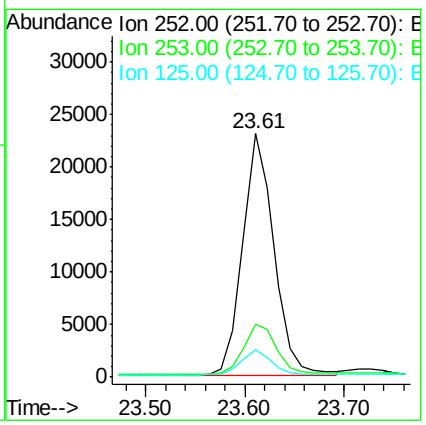


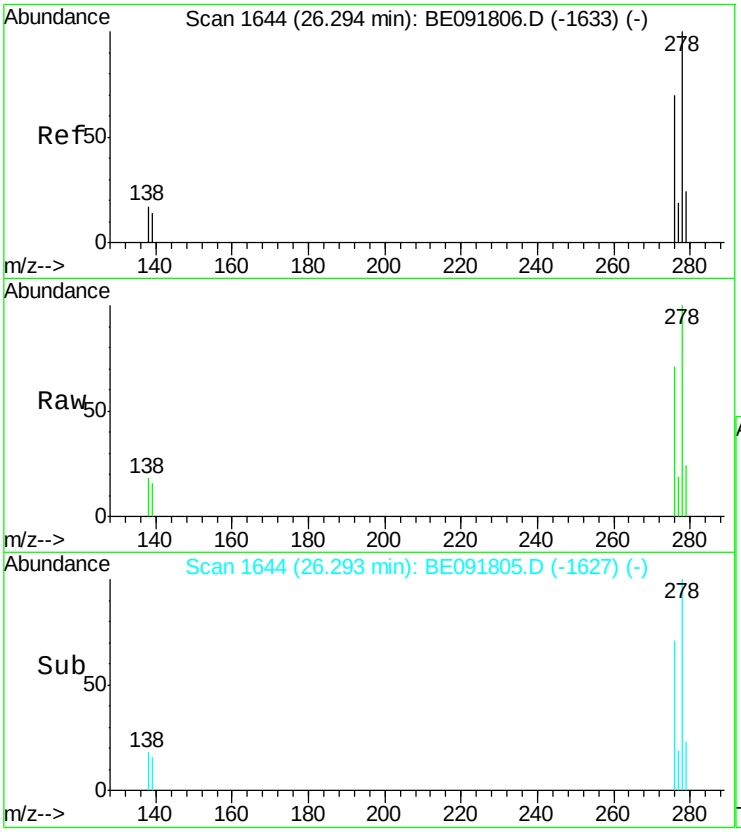


#38
Benzo(a)pyrene
Concen: 0.96 ng
RT: 23.61 min Scan# 1414
Delta R.T. -0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:252 Resp: 50166

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	11.1	11.0	16.4

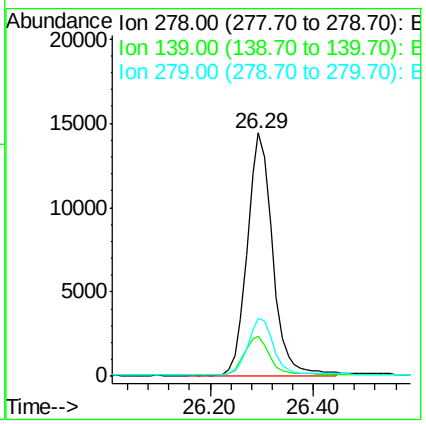




#39
Dibenzo(a,h)anthracene
Concen: 0.99 ng
RT: 26.29 min Scan# 1644
Delta R.T. -0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:278 Resp: 48887

Ion	Ratio	Lower	Upper
278	100		
139	16.2	16.0	24.0
279	23.8	19.4	29.2



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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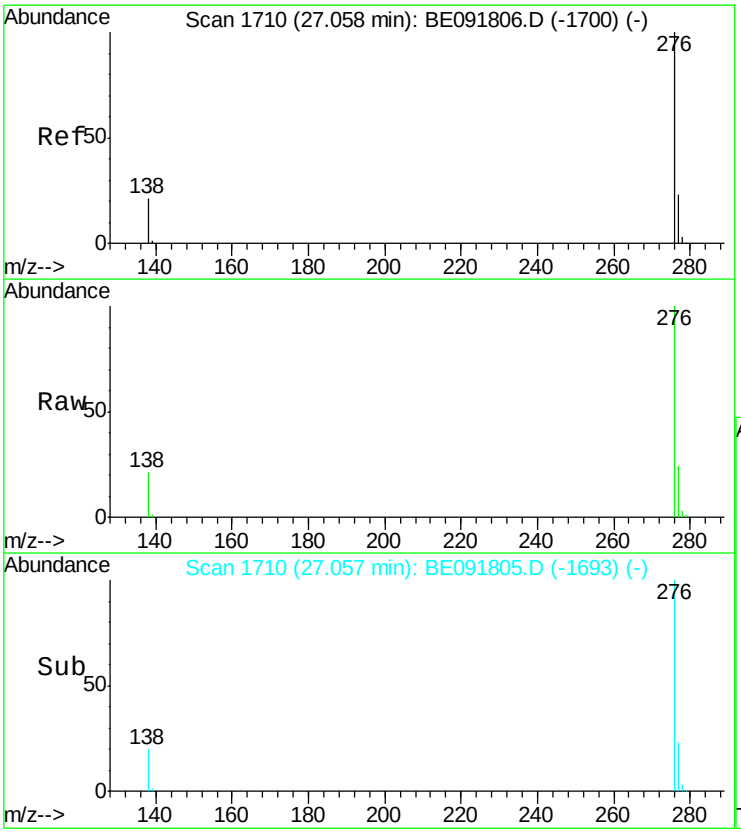

#40
Benzo(g,h,i)perylene
Concen: 1.01 ng
RT: 27.06 min Scan# 1710
Delta R.T. -0.00 min
Lab File: BE091805.D
Acq: 19 May 2016 11:57

Tgt Ion:276 Resp: 50433

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.6	28.0
138	20.9	20.4	30.6