Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE090216\
Data File : BE092348.D
Acq On : 2 Sep 2016 18:03
Operator : UM/SJ
Sample : SSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
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Quant Time: Sep 03 00:17:39 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 02 18:37:51 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	8867	5.00	ng		-0.02
7) Naphthalene-d8	10.95	136	44418	5.00	ng		0.00
12) Acenaphthene-d10	14.82	164	27581	5.00	ng		0.00
18) Phenanthrene-d10	17.58	188	62412	5.00	ng		0.02
24) Chrysene-d12	21.75	240	96900	5.00	ng		0.00
31) Perylene-d12	24.11	264	81941	5.00	ng		0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.68	112	11887	5.88	ng		-0.01
5) Phenol-d6	7.33	99	17608	6.53	ng		-0.02
8) Nitrobenzene-d5	9.34	82	17352	5.66	ng		-0.02
13) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ng		
14) 2-Fluorobiphenyl	13.43	172	43048	5.07	ng		-0.01
26) Terphenyl-d14	20.17	244	66036	4.48	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.41	88	5718	4.38	ng		93
9) Naphthalene	10.99	128	50211	5.02	ng	#	95
10) Hexachlorobutadiene	11.30	225	7700	4.89	ng		99
11) 2-Methylnaphthalene	12.62	142	34244	5.31	ng		95
15) Acenaphthylene	14.53	152	248033	5.29	ng		100
16) Acenaphthene	14.88	154	37652	4.83	ng		96
17) Fluorene	15.86	166	49847	5.19	ng		99
19) Hexachlorobenzene	16.89	284	15392	5.16	ng	#	64
21) Phenanthrene	17.60	178	84338	4.73	ng	#	94
22) Anthracene	17.69	178	89528	5.97	ng		98
23) Fluoranthene	19.61	202	400537	5.29	ng		99
25) Pyrene	19.97	202	444539	4.62	ng		100
27) Benzo(a)anthracene	21.72	228	531156m	5.00	ng		
28) Chrysene	21.77	228	457470m	4.06	ng		
30) Indeno(1,2,3-cd)pyrene	26.60	276	503340	4.43	ng		99
32) Benzo(b)fluoranthene	23.37	252	108314	5.16	ng		94
33) Benzo(k)fluoranthene	23.43	252	118744m	5.40	ng		
34) Benzo(a)pyrene	24.00	252	109807	5.36	ng	#	94
35) Dibenzo(a,h)anthracene	26.62	278	103998	5.53	ng		95
36) Benzo(g,h,i)perylene	27.37	276	422110	5.26	ng		97

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

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Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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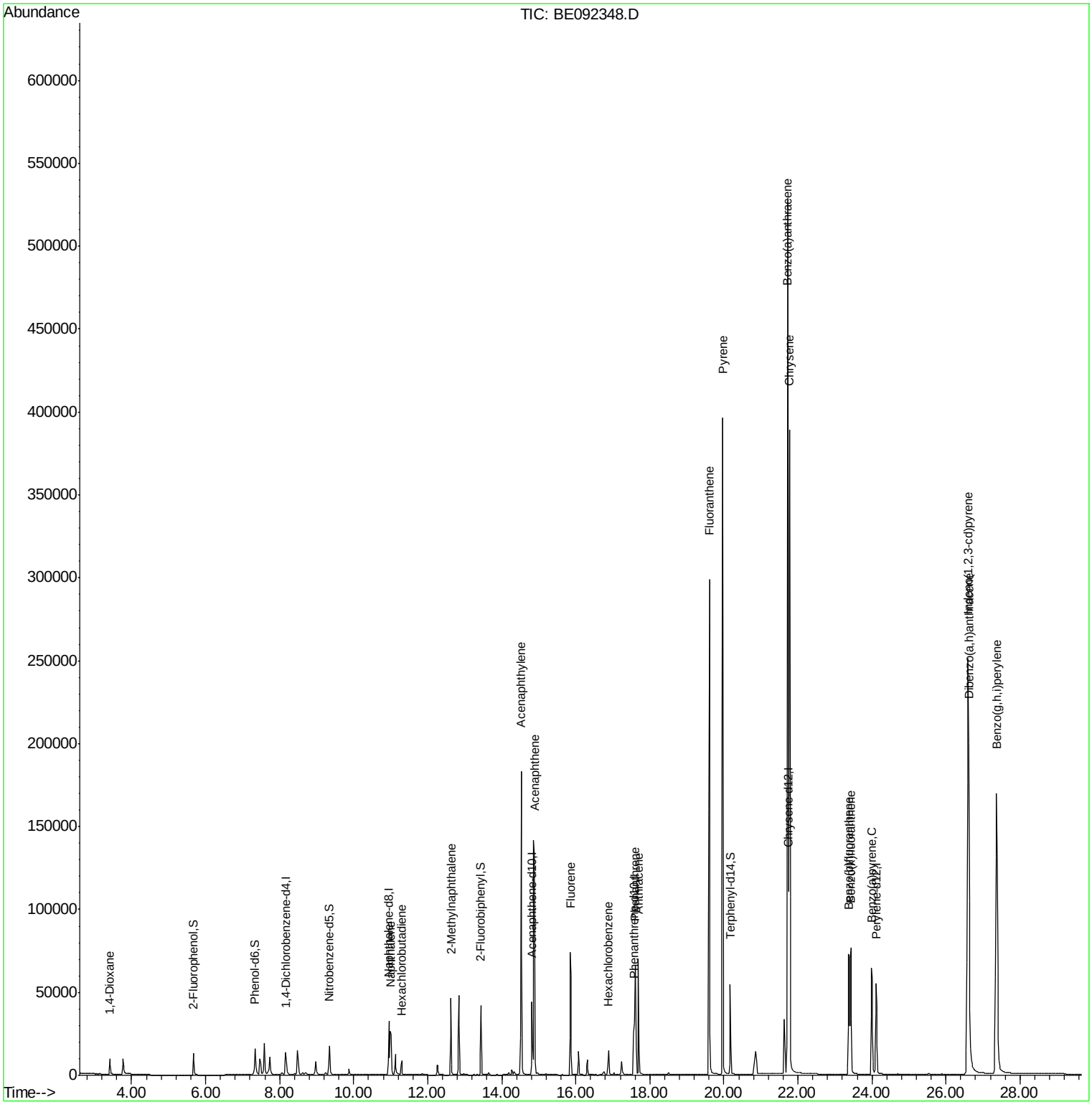
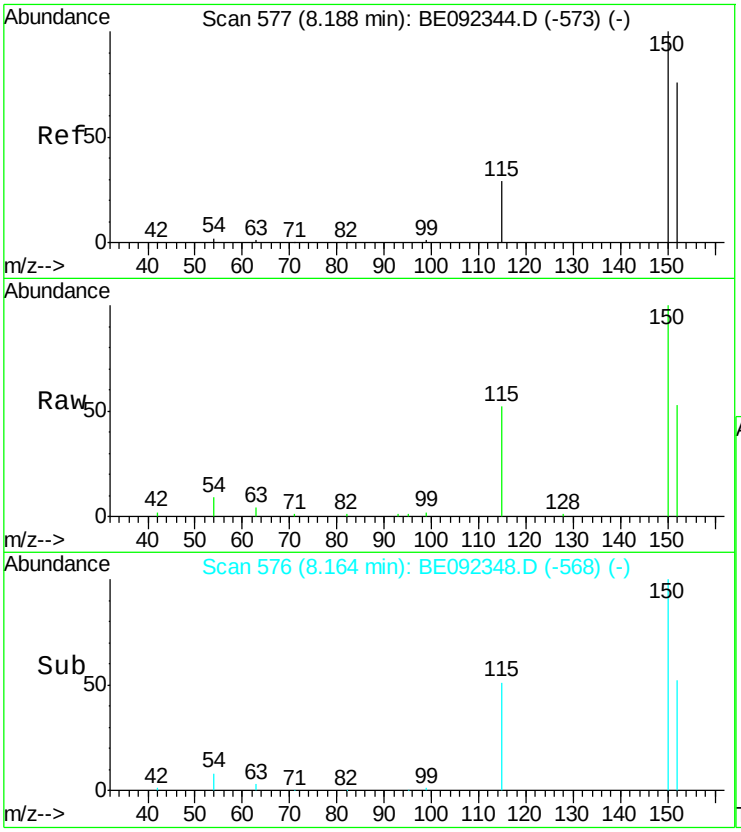
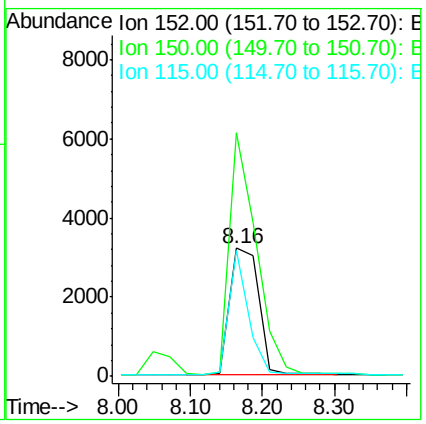




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.16 min Scan# 576
Delta R.T. -0.02 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion:152 Resp: 8867

Ion	Ratio	Lower	Upper
152	100		
150	190.2	106.0	159.0#
115	98.8	31.2	46.8#



Instrument :
BNA_E
ClientSampleId :
SSTDICC005

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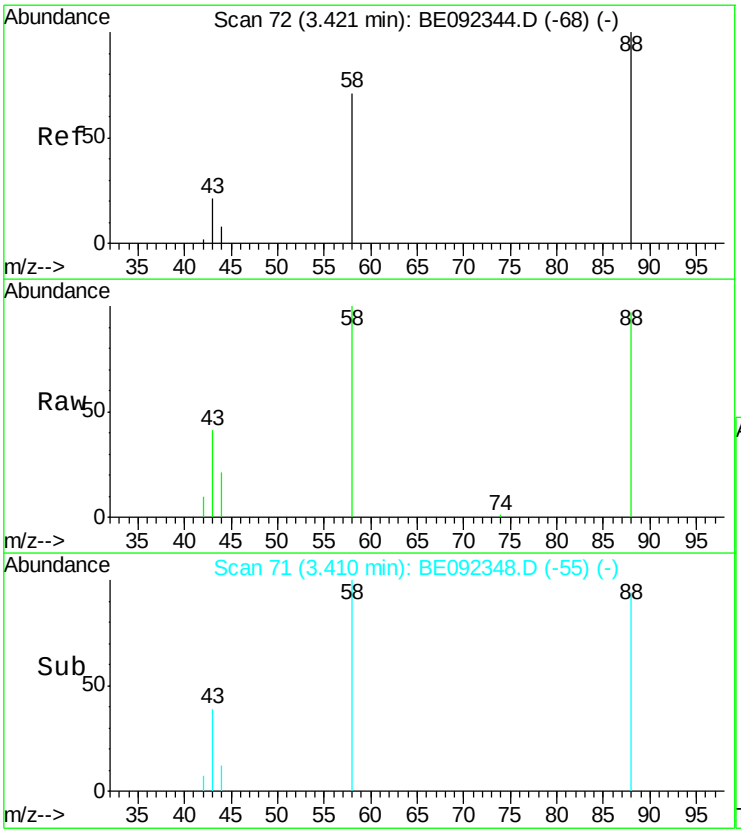
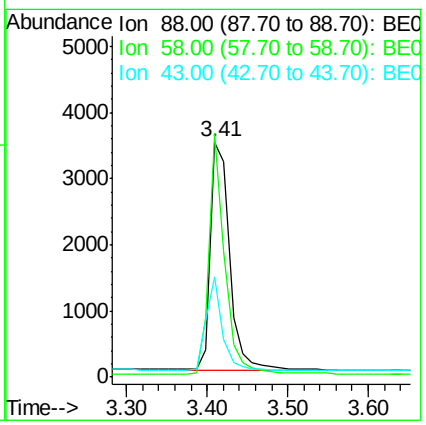
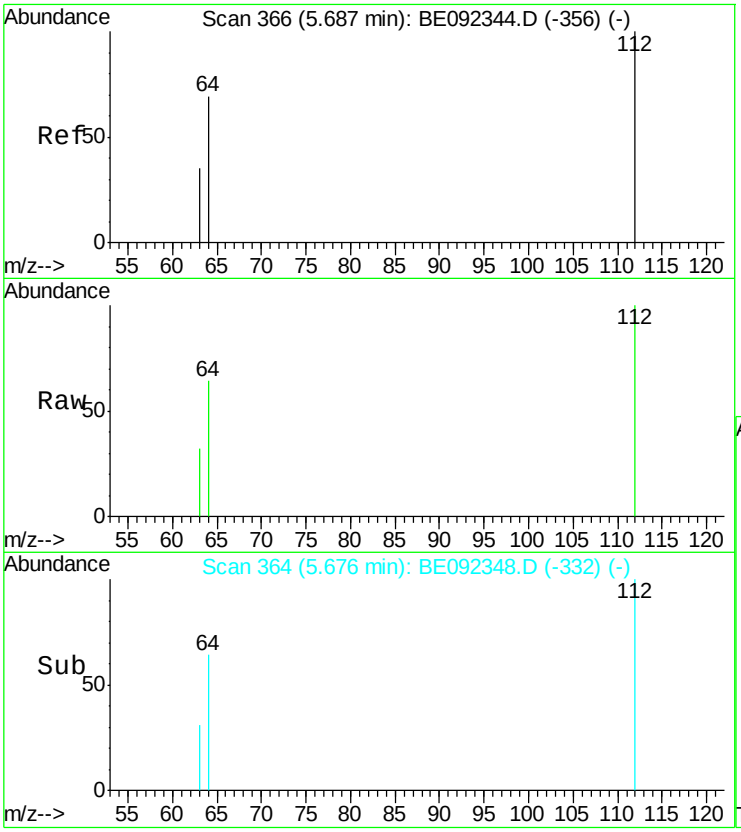


#2
1,4-Dioxane
Concen: 4.38 ng
RT: 3.41 min Scan# 71
Delta R.T. -0.01 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion: 88 Resp: 5718

Ion	Ratio	Lower	Upper
88	100		
58	87.3	63.6	95.4
43	35.8	28.0	42.0

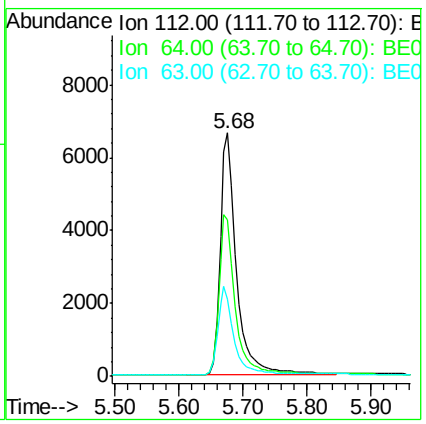




#4
2-Fluorophenol
Concen: 5.88 ng
RT: 5.68 min Scan# 364
Delta R.T. -0.01 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion:112 Resp: 11887

Ion	Ratio	Lower	Upper
112	100		
64	67.2	53.5	80.3
63	35.6	27.9	41.9



Instrument :
BNA_E
ClientSampleId :
SSTDICC005

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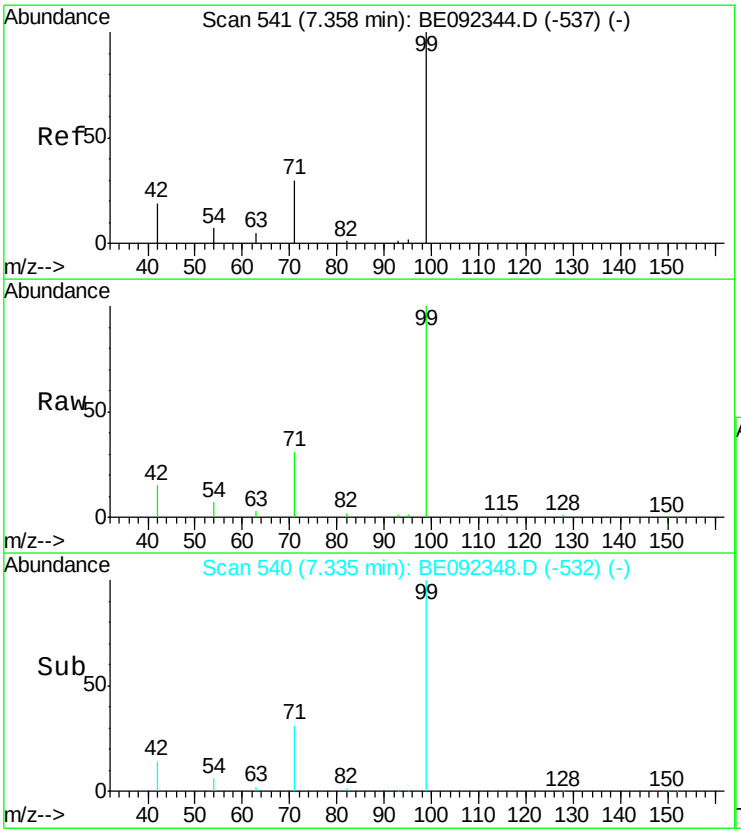
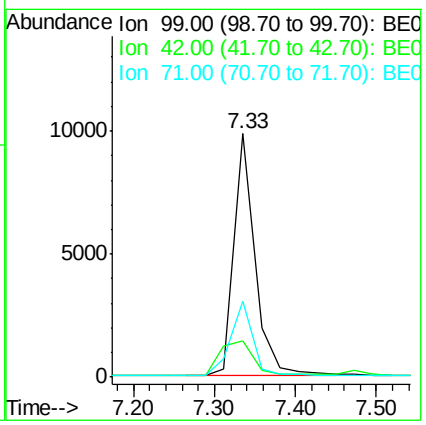
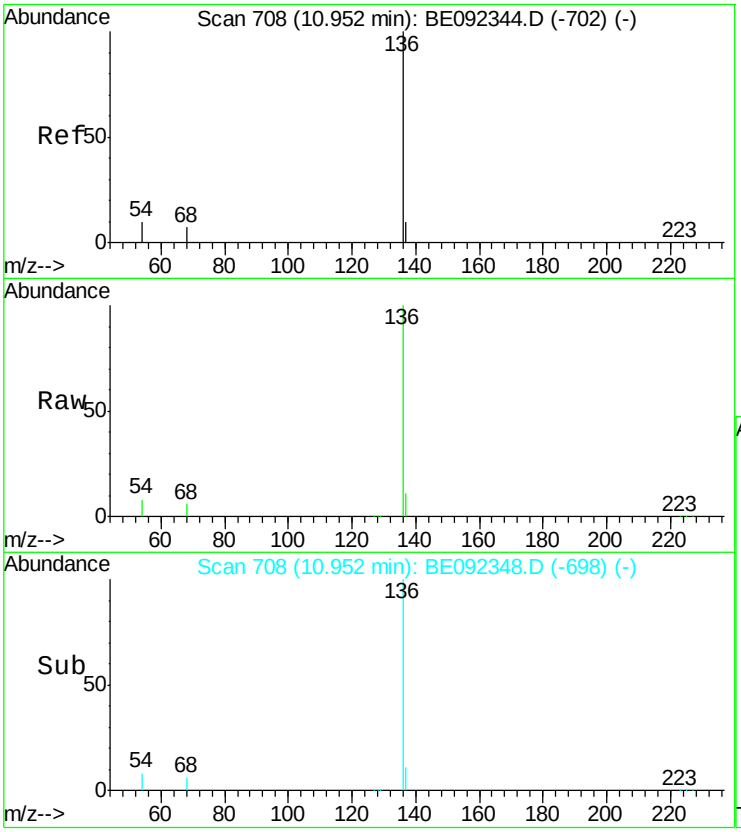


#5
Phenol-d6
Concen: 6.53 ng
RT: 7.33 min Scan# 540
Delta R.T. -0.02 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion: 99 Resp: 17608

Ion	Ratio	Lower	Upper
99	100		
42	23.1	16.0	24.0
71	33.2	30.6	45.8

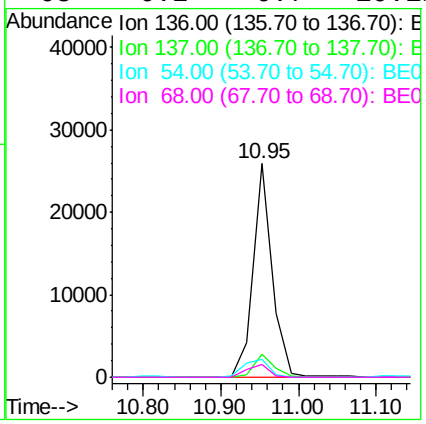




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.95 min Scan# 708
Delta R.T. 0.00 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion:136 Resp: 44418

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.2	12.4
54	8.2	9.6	14.4#
68	6.2	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
SSTDICC005

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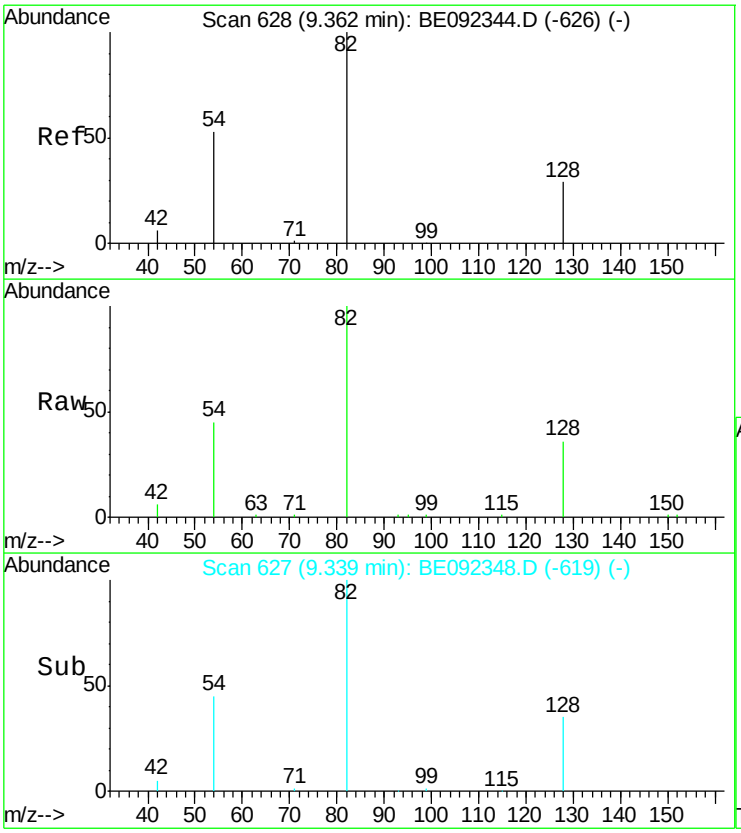
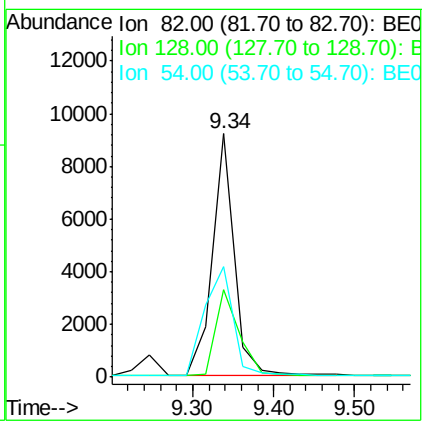
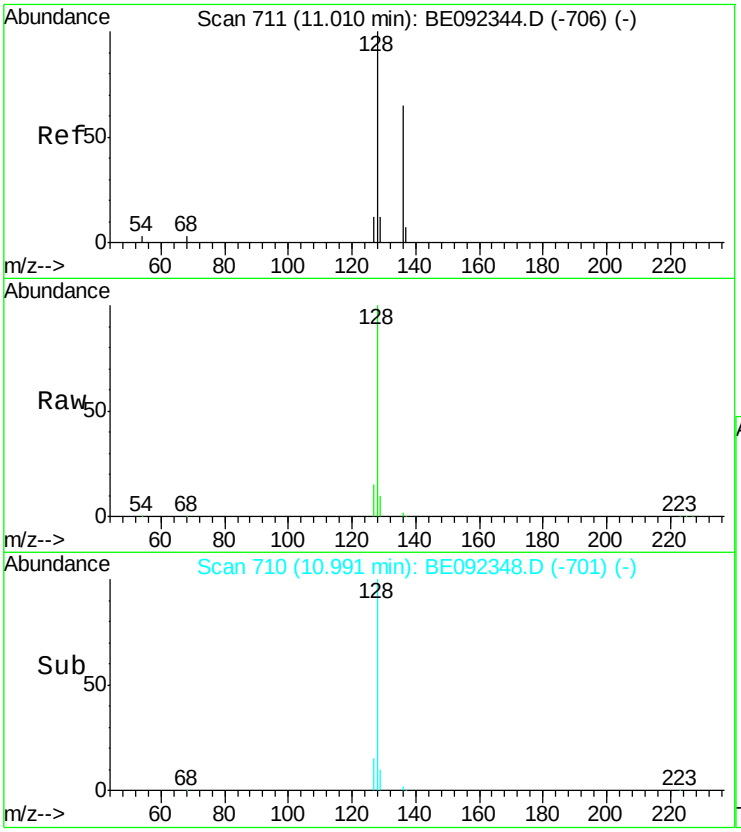


#8
Nitrobenzene-d5
Concen: 5.66 ng
RT: 9.34 min Scan# 627
Delta R.T. -0.02 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion: 82 Resp: 17352

Ion	Ratio	Lower	Upper
82	100		
128	35.7	39.0	58.4#
54	45.3	44.8	67.2

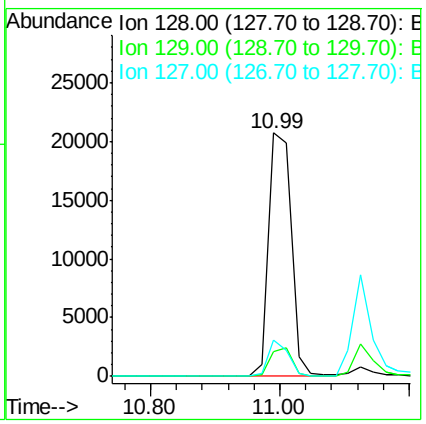




#9
Naphthalene
Concen: 5.02 ng
RT: 10.99 min Scan# 710
Delta R.T. -0.02 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion:128 Resp: 50211

Ion	Ratio	Lower	Upper
128	100		
129	10.0	11.2	16.8#
127	14.9	11.6	17.4



Instrument :
BNA_E
ClientSampleId :
SSTDICC005

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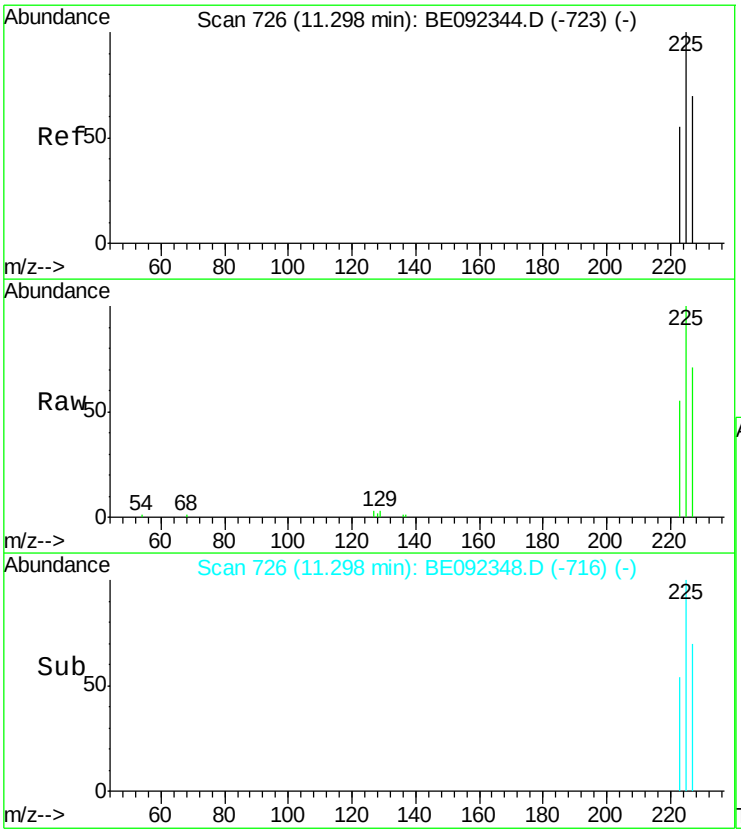
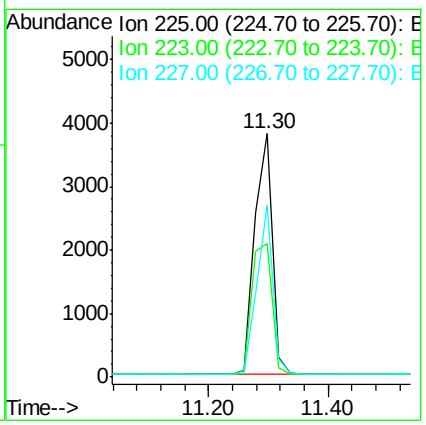
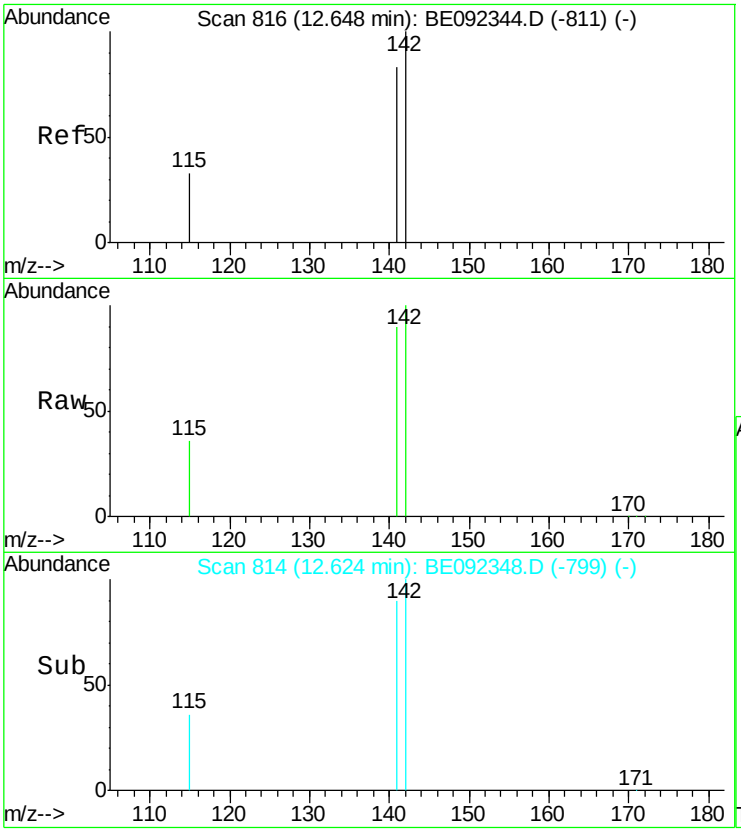


#10
Hexachlorobutadiene
Concen: 4.89 ng
RT: 11.30 min Scan# 726
Delta R.T. 0.00 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion:225 Resp: 7700

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.6	76.0
227	63.4	51.4	77.0

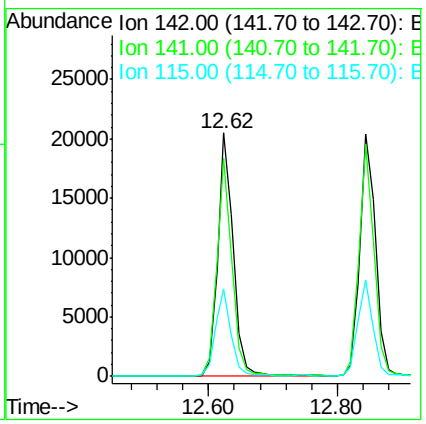




#11
2-Methylnaphthalene
Concen: 5.31 ng
RT: 12.62 min Scan# 814
Delta R.T. -0.02 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion:142 Resp: 34244

Ion	Ratio	Lower	Upper
142	100		
141	89.5	73.7	110.5
115	35.8	34.0	51.0



Instrument :
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ClientSampleId :
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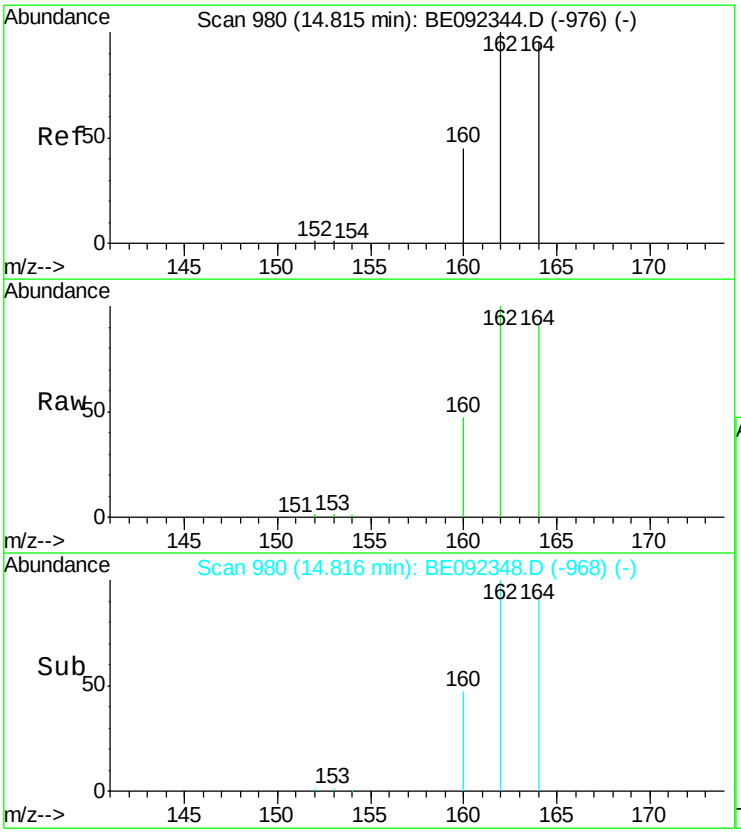
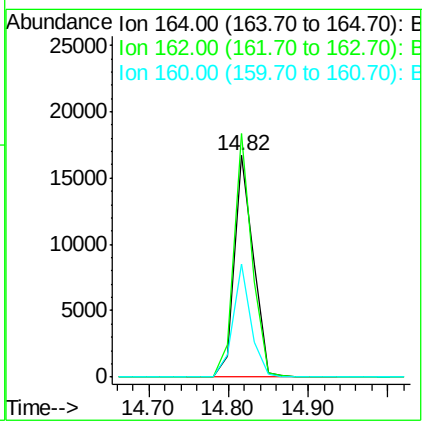
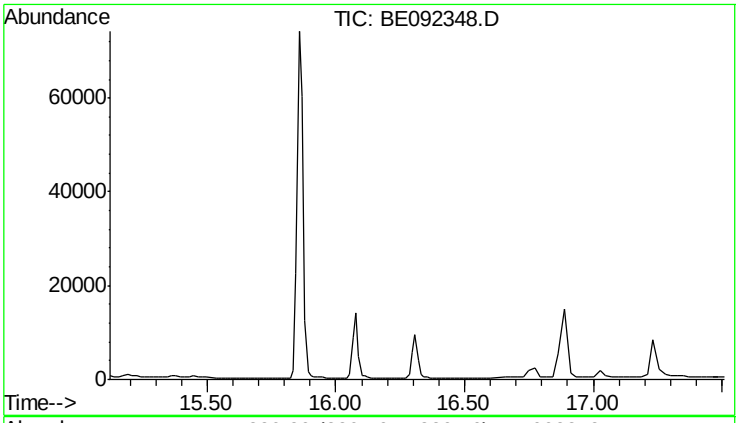


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.82 min Scan# 980
Delta R.T. 0.00 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion:164 Resp: 27581

Ion	Ratio	Lower	Upper
164	100		
162	109.9	71.4	107.0#
160	51.3	27.4	41.2#





#13
2,4,6-Tribromophenol
Concen: 0.00 ng
Expected RT: 16.32 min

Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	94.2
141	38.8

Instrument :
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ClientSampleId :
SSTDICC005

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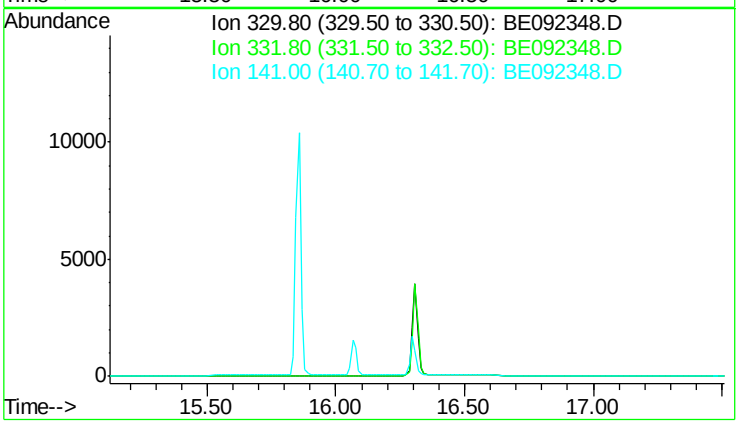
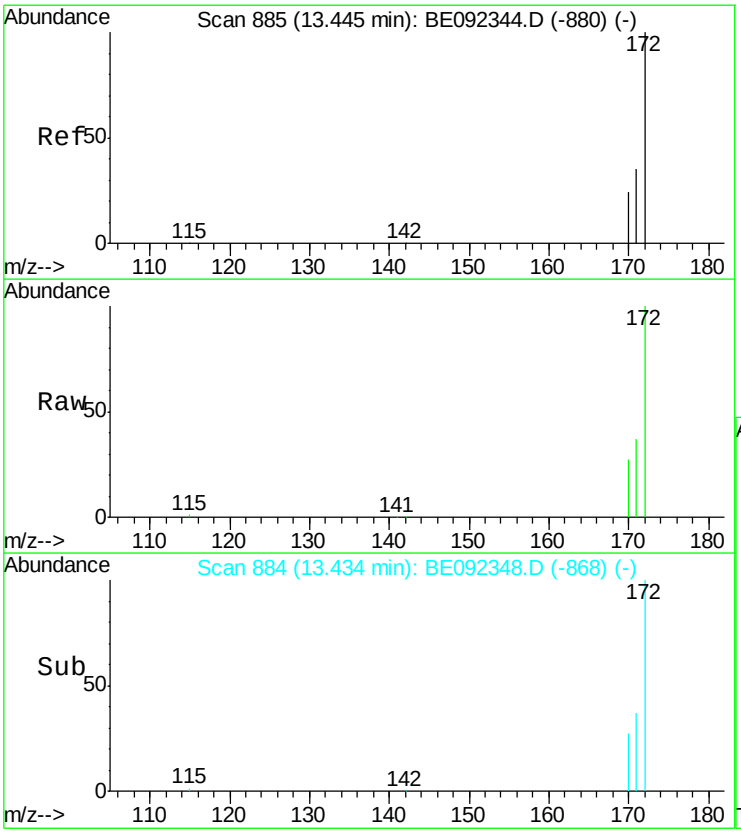
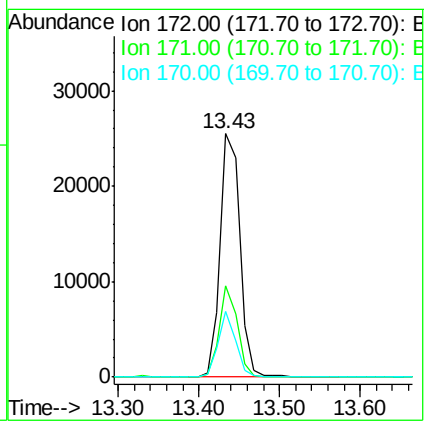


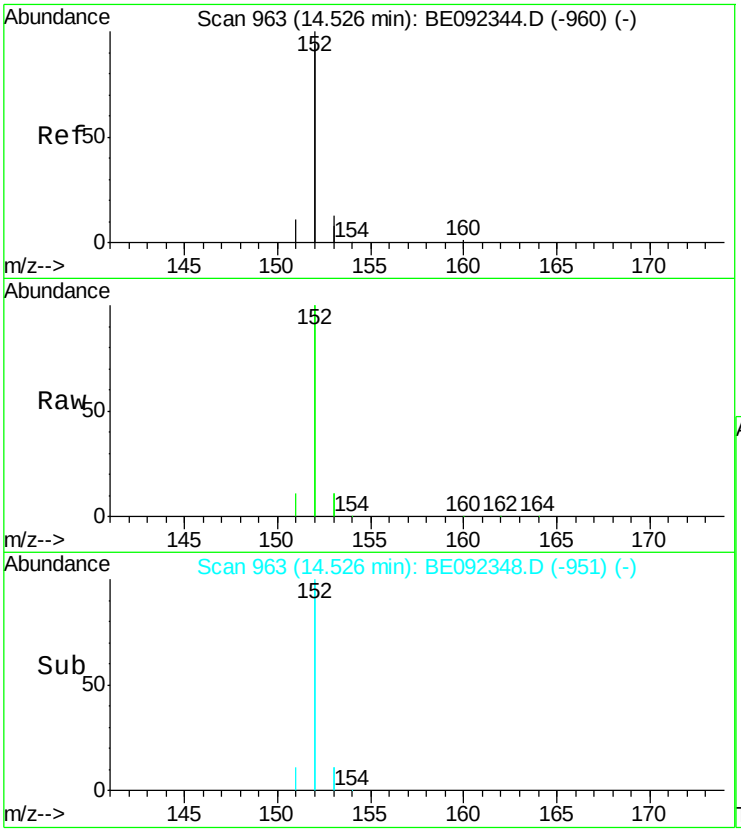


#14
2-Fluorobiphenyl
Concen: 5.07 ng
RT: 13.43 min Scan# 884
Delta R.T. -0.01 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion:172 Resp: 43048

Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.1	45.1
170	26.8	21.8	32.6

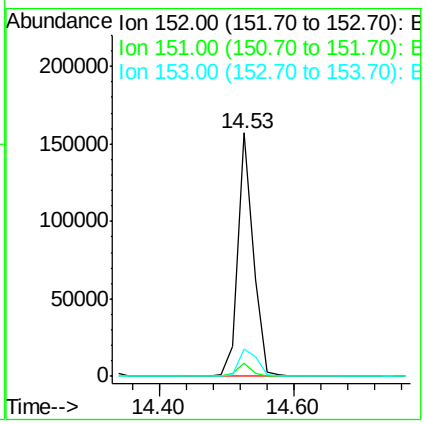




#15
Acenaphthylene
Concen: 5.29 ng
RT: 14.53 min Scan# 963
Delta R.T. 0.00 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion:152 Resp: 248033

Ion	Ratio	Lower	Upper
152	100		
151	5.0	3.9	5.9
153	13.2	10.4	15.6



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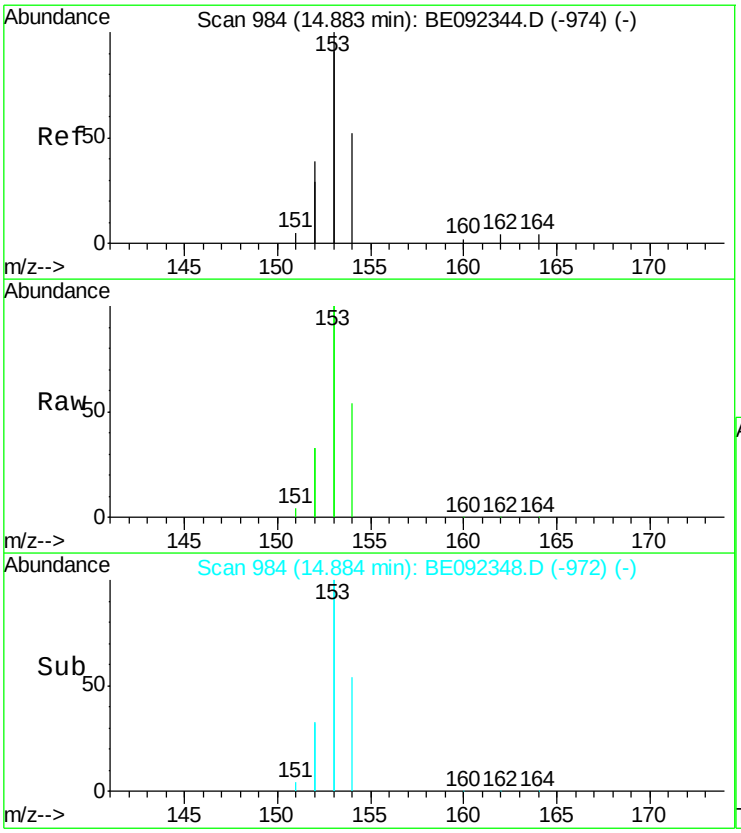
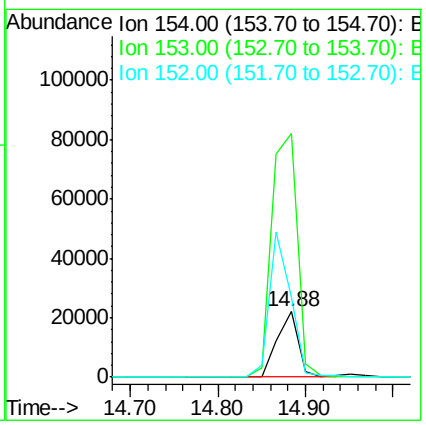
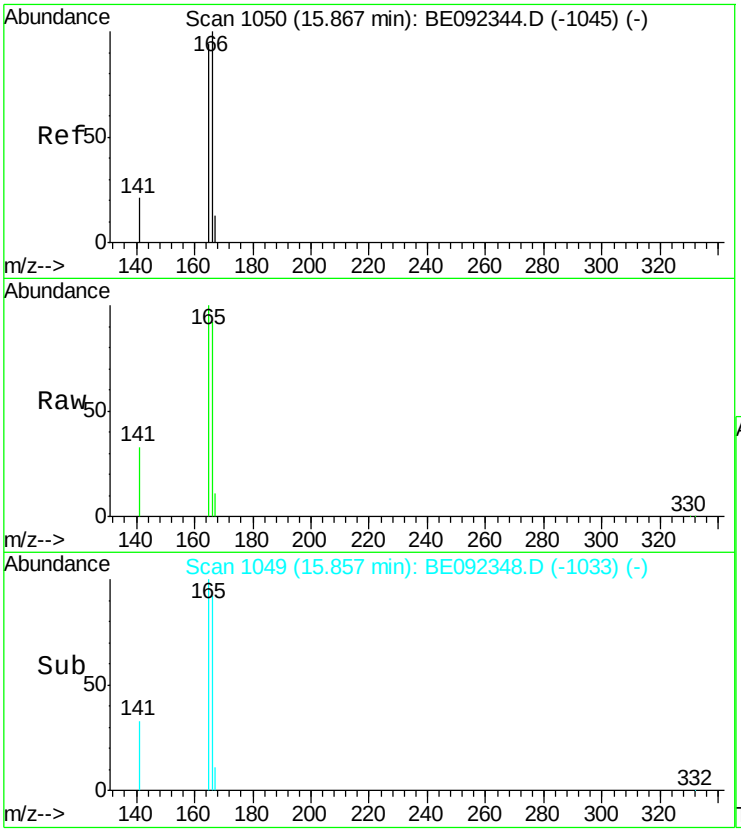


#16
Acenaphthene
Concen: 4.83 ng
RT: 14.88 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion:154 Resp: 37652

Ion	Ratio	Lower	Upper
154	100		
153	448.5	350.8	526.2
152	219.2	171.1	256.7





#17
Fluorene
Concen: 5.19 ng
RT: 15.86 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion:166 Resp: 49847

Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.2	117.4
167	13.4	11.0	16.4

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
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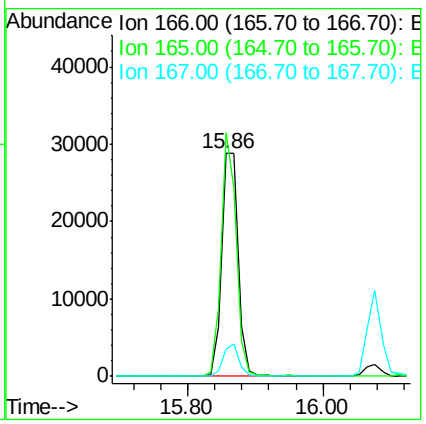
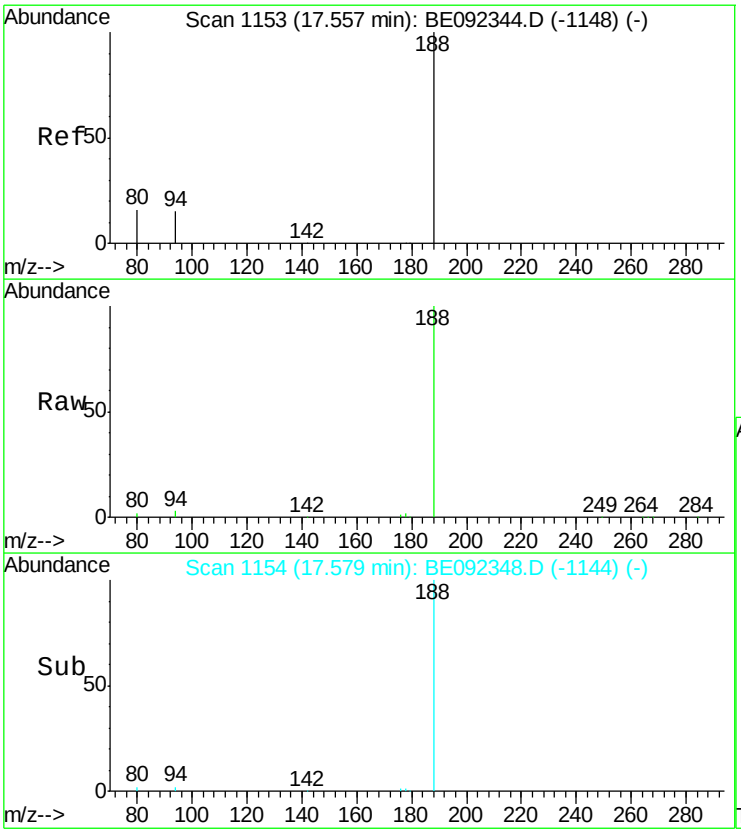
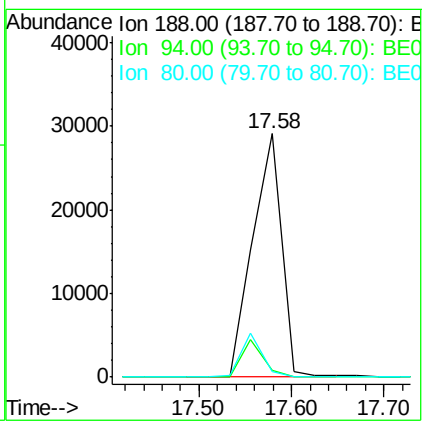


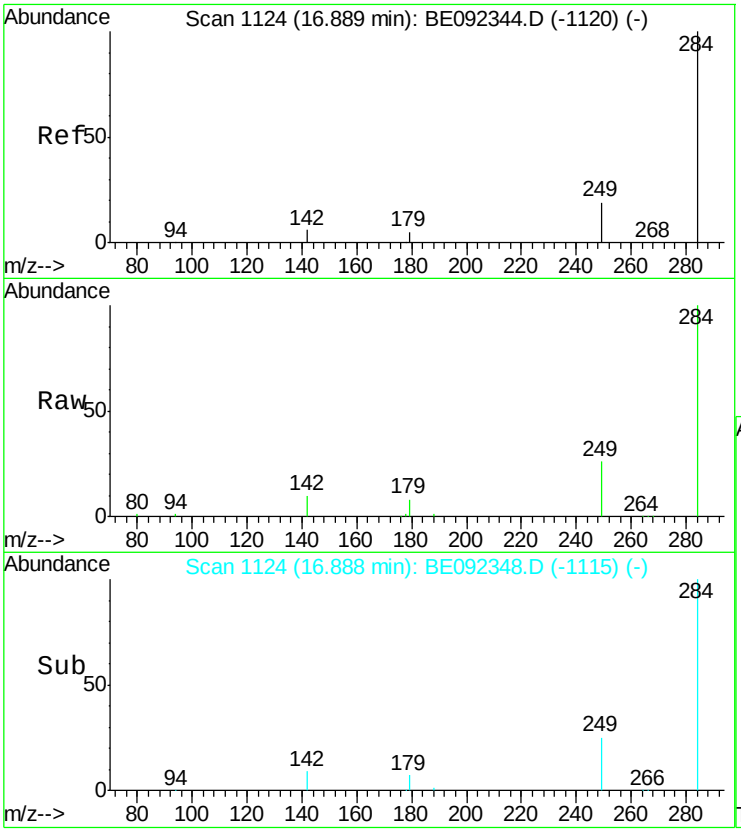


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 1154
Delta R.T. 0.02 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion:188 Resp: 62412

Ion	Ratio	Lower	Upper
188	100		
94	2.7	3.2	4.8#
80	2.1	2.6	3.8#

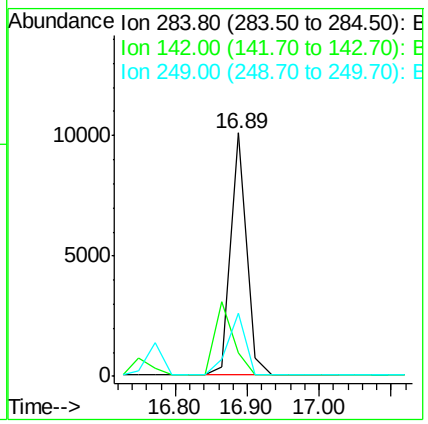




#19
Hexachlorobenzene
Concen: 5.16 ng
RT: 16.89 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion:284 Resp: 15392

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	29.3	27.9	41.9



Instrument :
BNA_E
ClientSampleId :
SSTDICC005

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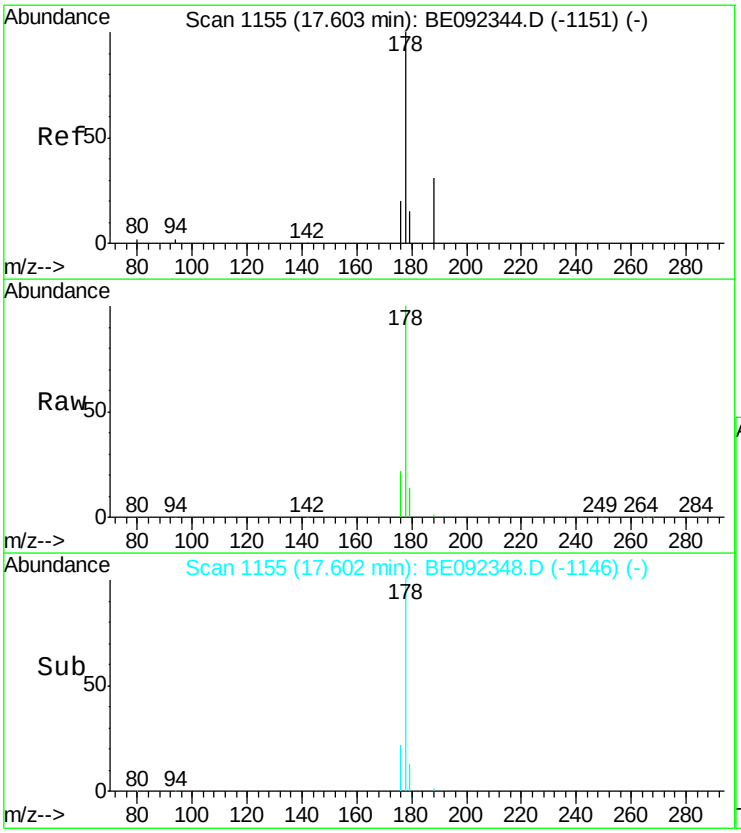
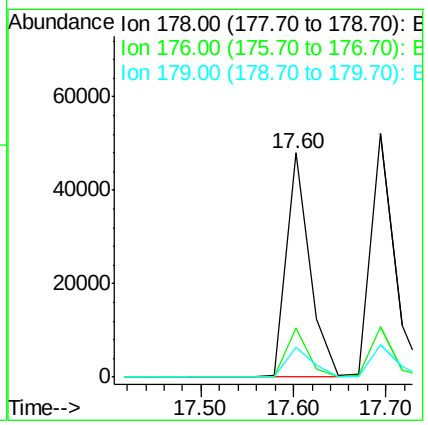
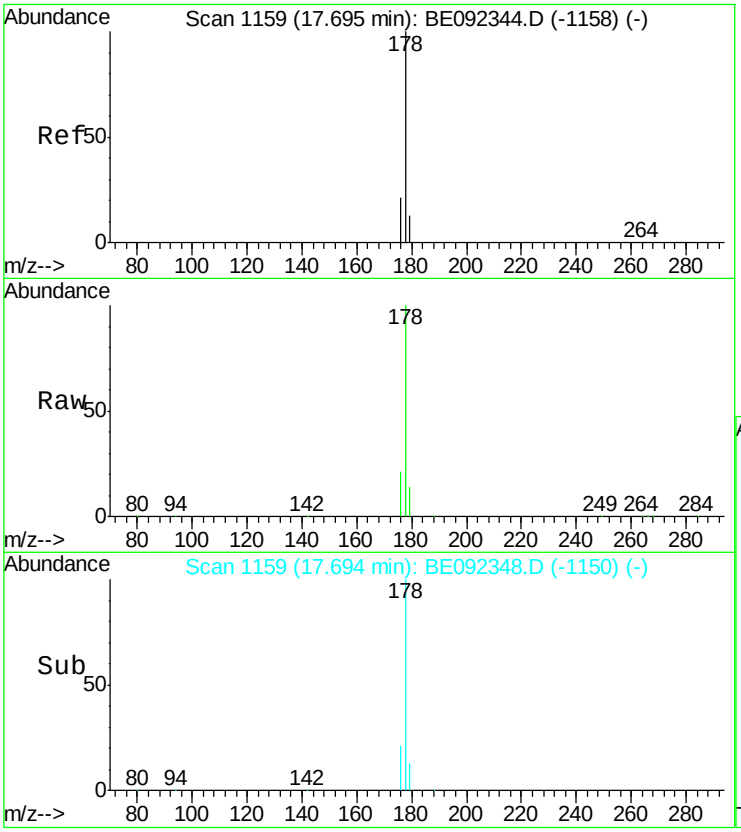


#21
Phenanthrene
Concen: 4.73 ng
RT: 17.60 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion:178 Resp: 84338

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	14.9	16.0	24.0#





#22
Anthracene
Concen: 5.97 ng
RT: 17.69 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion:178 Resp: 89528

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.0	22.4
179	14.5	12.2	18.2

Instrument :
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ClientSampleId :
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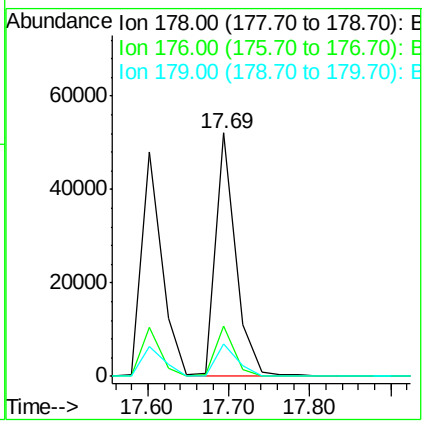
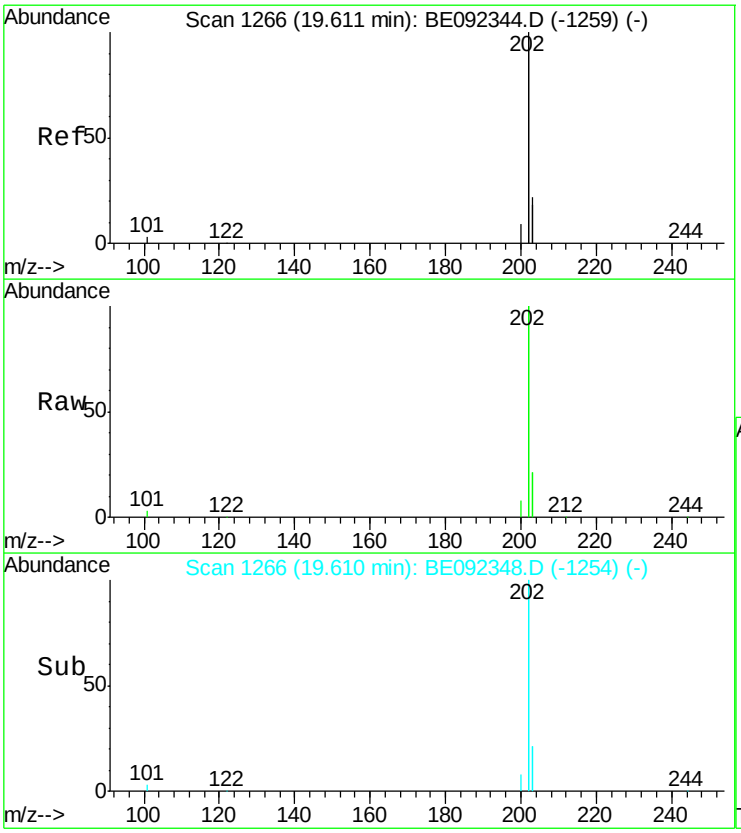
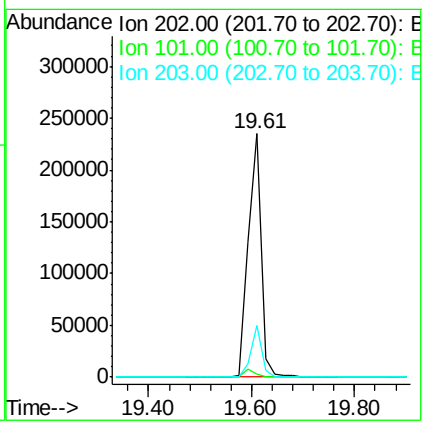


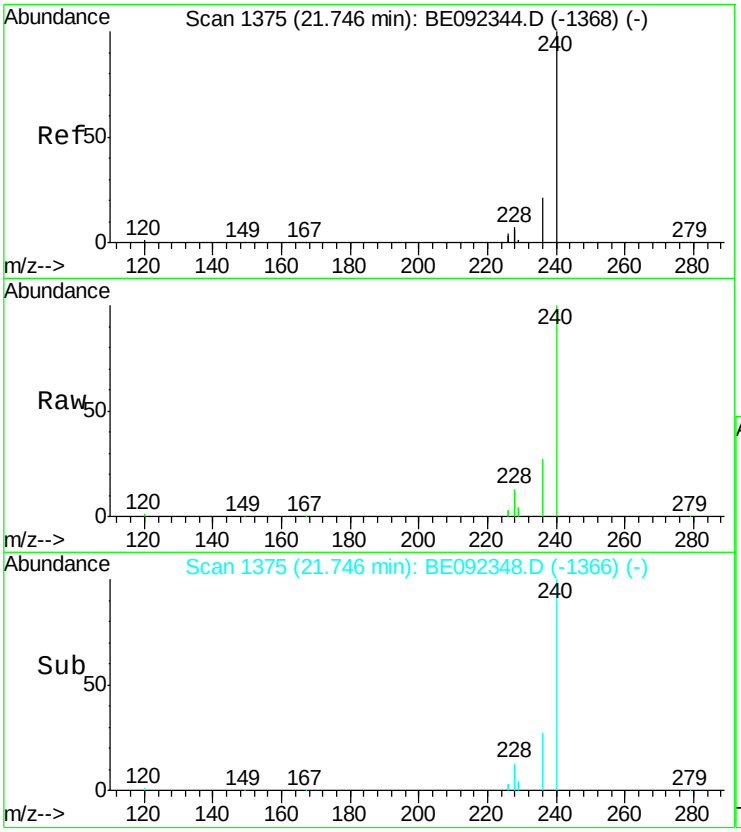


#23
Fluoranthene
Concen: 5.29 ng
RT: 19.61 min Scan# 1266
Delta R.T. -0.00 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion:202 Resp: 400537

Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.8	13.7	20.5





#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1375
Delta R.T. -0.00 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion:240 Resp: 96900

Ion	Ratio	Lower	Upper
240	100		
120	1.4	2.6	4.0#
236	26.7	24.6	37.0

Instrument :
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ClientSampleId :
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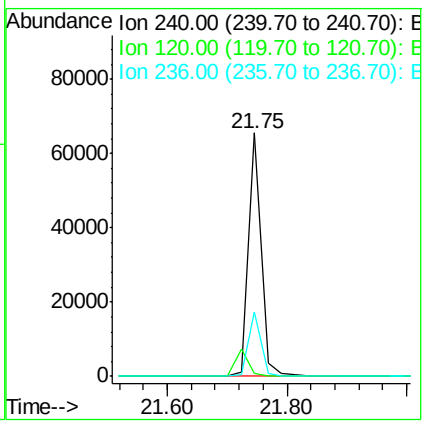
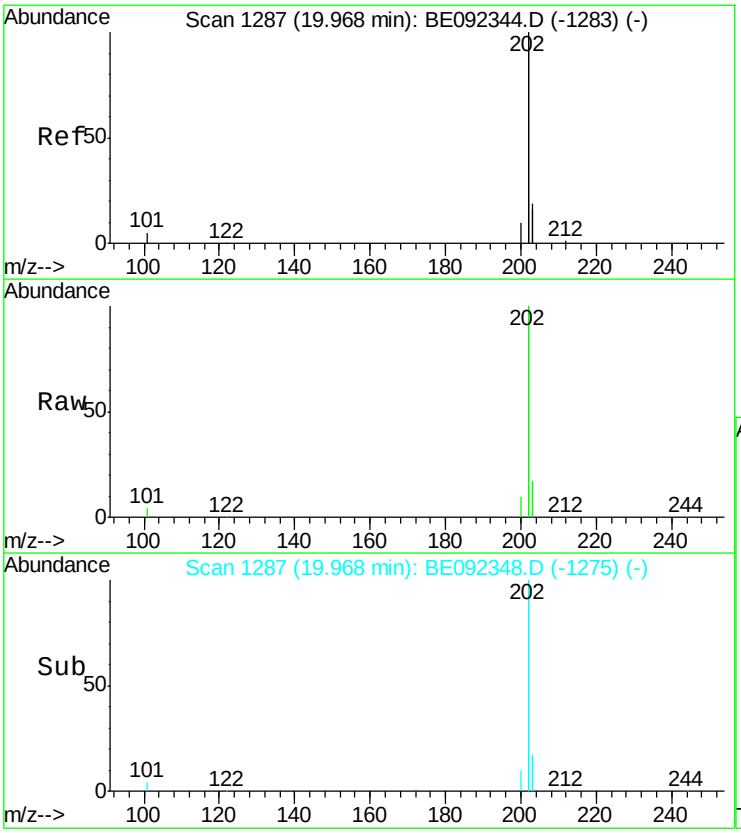
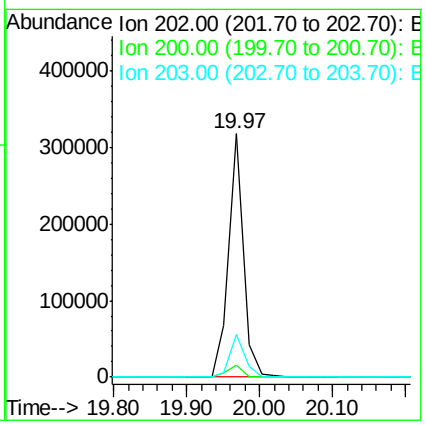


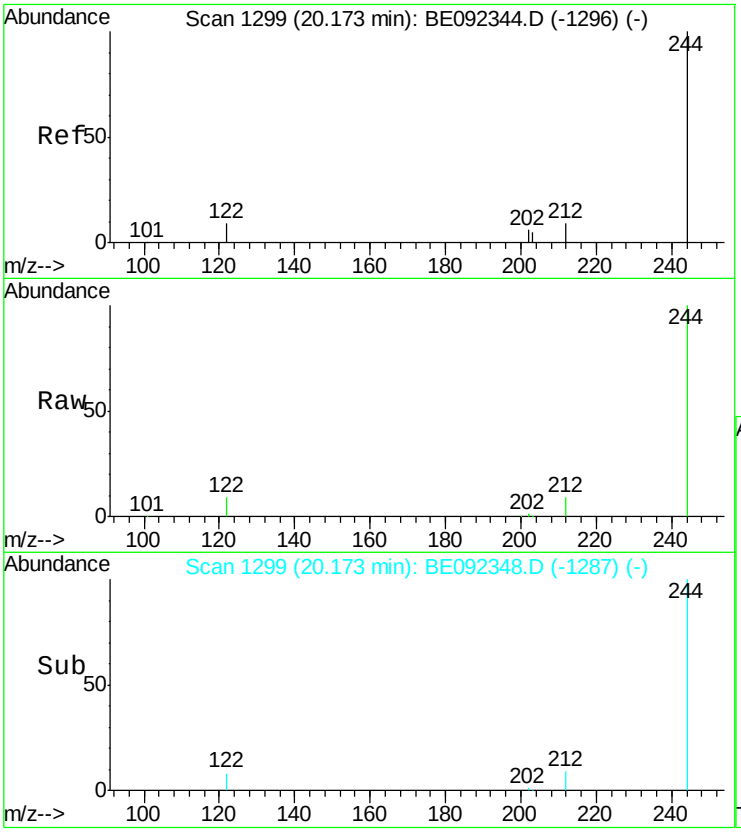


#25
Pyrene
Concen: 4.62 ng
RT: 19.97 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion:202 Resp: 444539

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	17.5	13.9	20.9





#26
Terphenyl-d14
Concen: 4.48 ng
RT: 20.17 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion:244 Resp: 66036

Ion	Ratio	Lower	Upper
244	100		
212	8.9	6.7	10.1
122	8.5	3.6	5.4#

Instrument :
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ClientSampleId :
SSTDICC005

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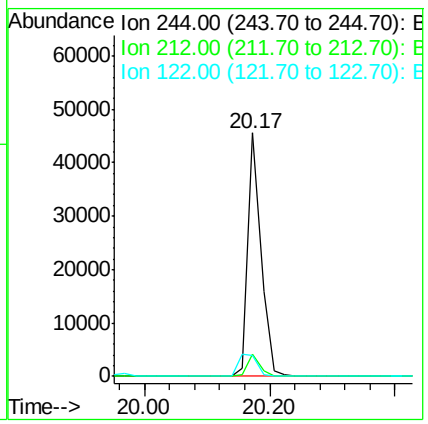
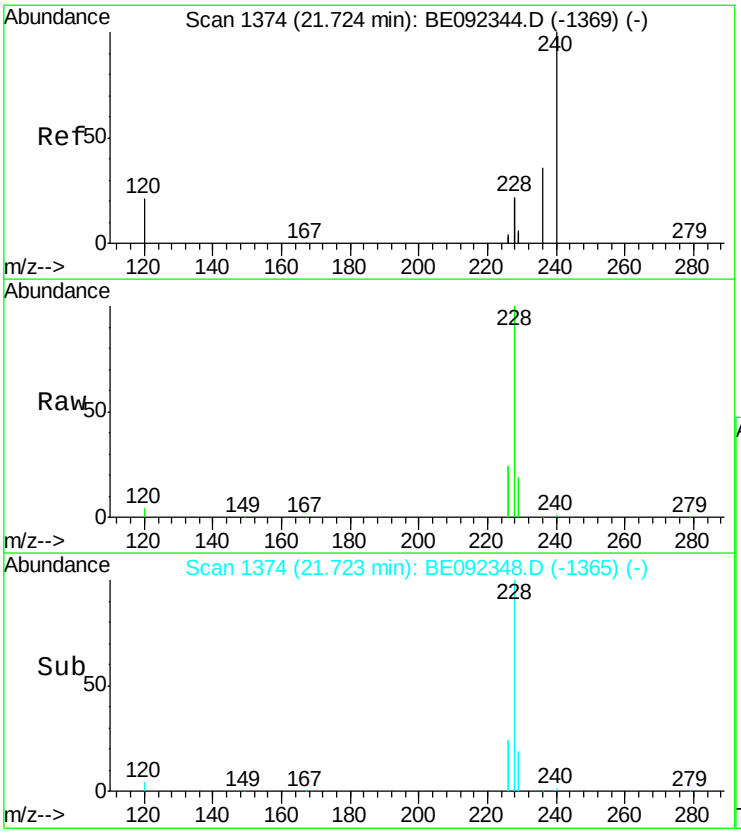
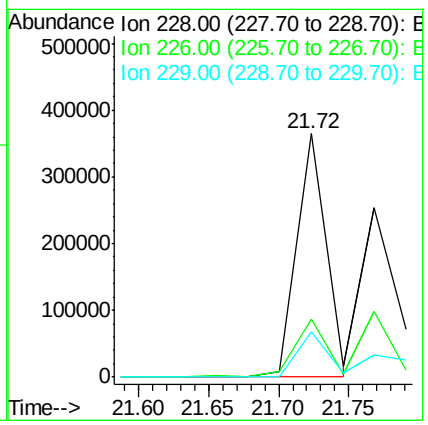


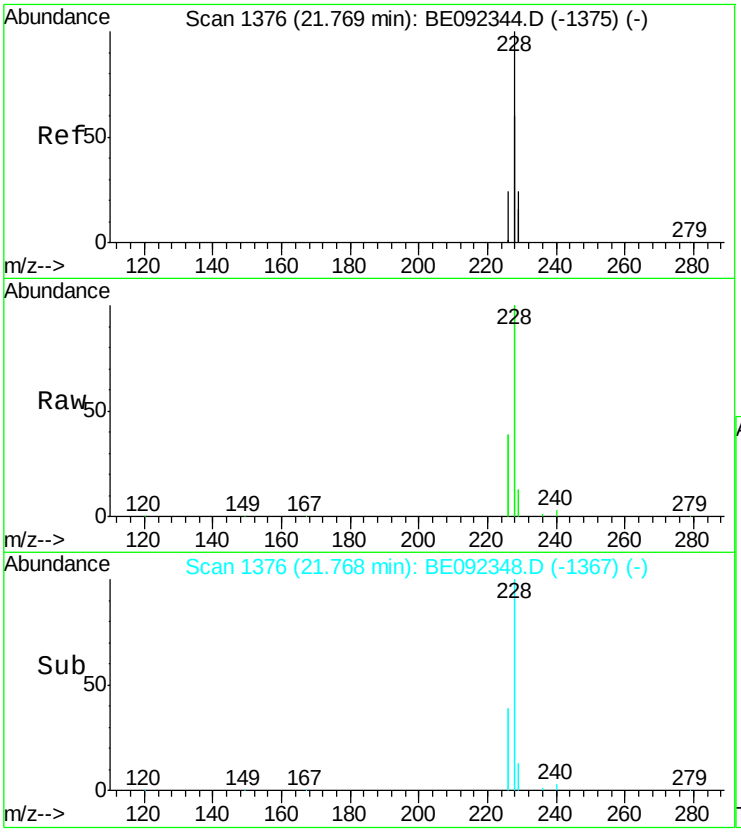


#27
Benzo(a)anthracene
Concen: 5.00 ng m
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion:228 Resp: 531156

Ion	Ratio	Lower	Upper
228	100		
226	23.7	23.6	35.4
229	18.7	13.3	19.9

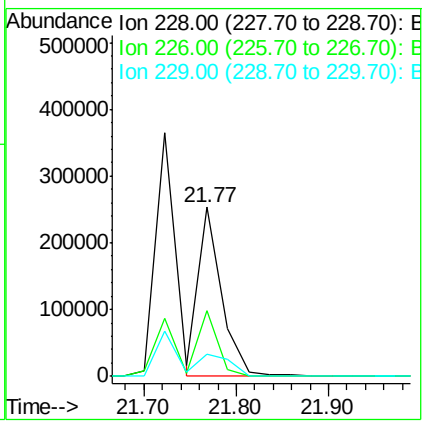




#28
Chrysene
Concen: 4.06 ng m
RT: 21.77 min Scan# 1376
Delta R.T. -0.00 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion:228 Resp: 457470

Ion	Ratio	Lower	Upper
228	100		
226	38.7	36.3	54.5
229	13.0	10.6	16.0



Instrument :
BNA_E
ClientSampleId :
SSTDICC005

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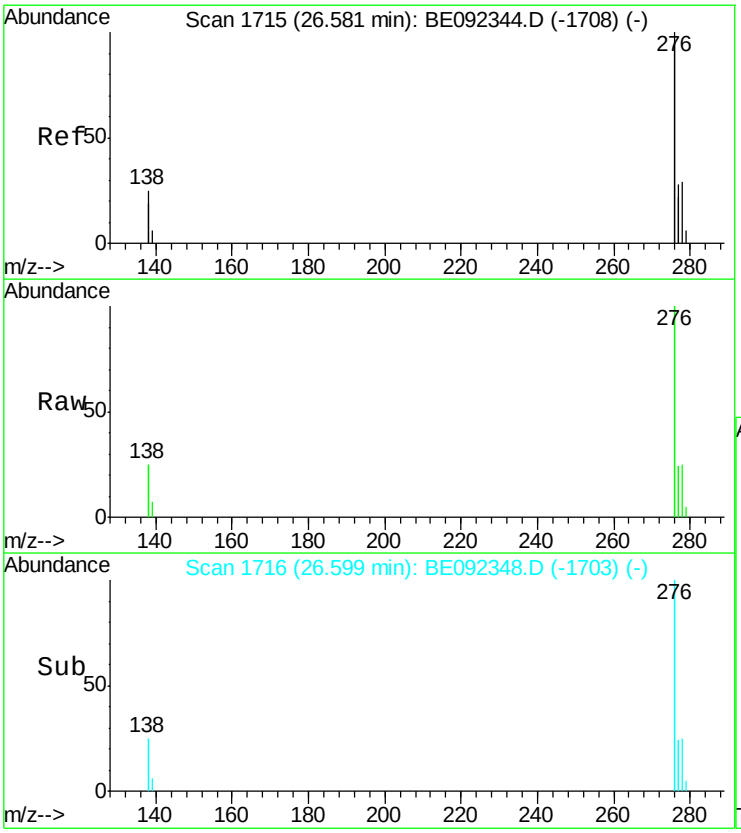
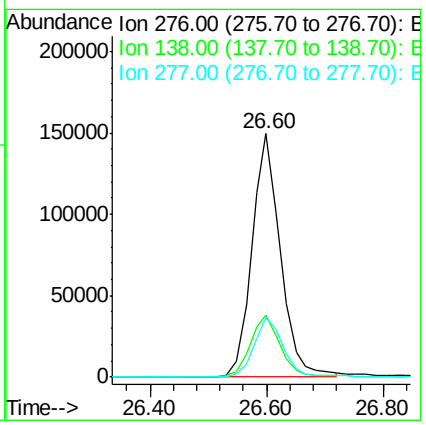
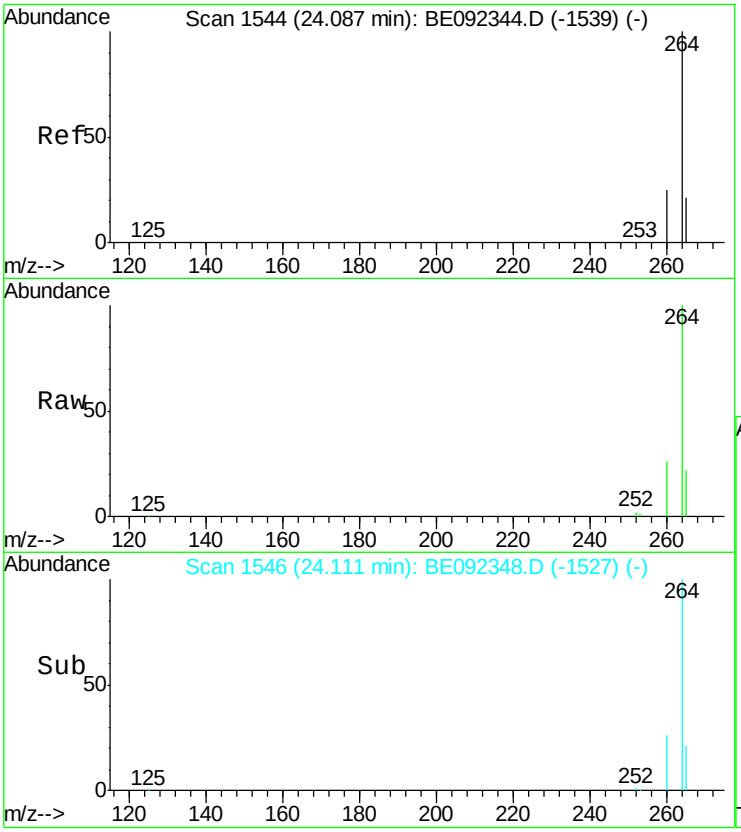


#30
Indeno(1,2,3-cd)pyrene
Concen: 4.43 ng
RT: 26.60 min Scan# 1716
Delta R.T. 0.02 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion:276 Resp: 503340

Ion	Ratio	Lower	Upper
276	100		
138	26.4	20.3	30.5
277	24.8	19.7	29.5

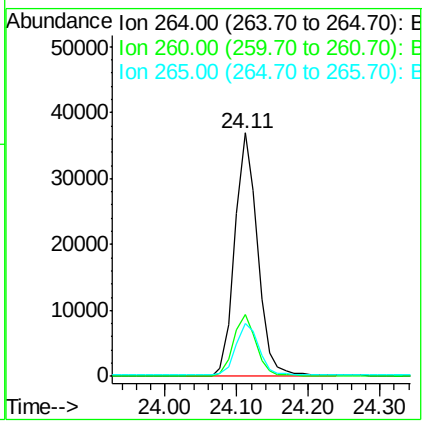




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.11 min Scan# 1546
Delta R.T. 0.02 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion:264 Resp: 81941

Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.1	30.1
265	21.8	17.9	26.9



Instrument :
BNA_E
ClientSampleId :
SSTDICC005

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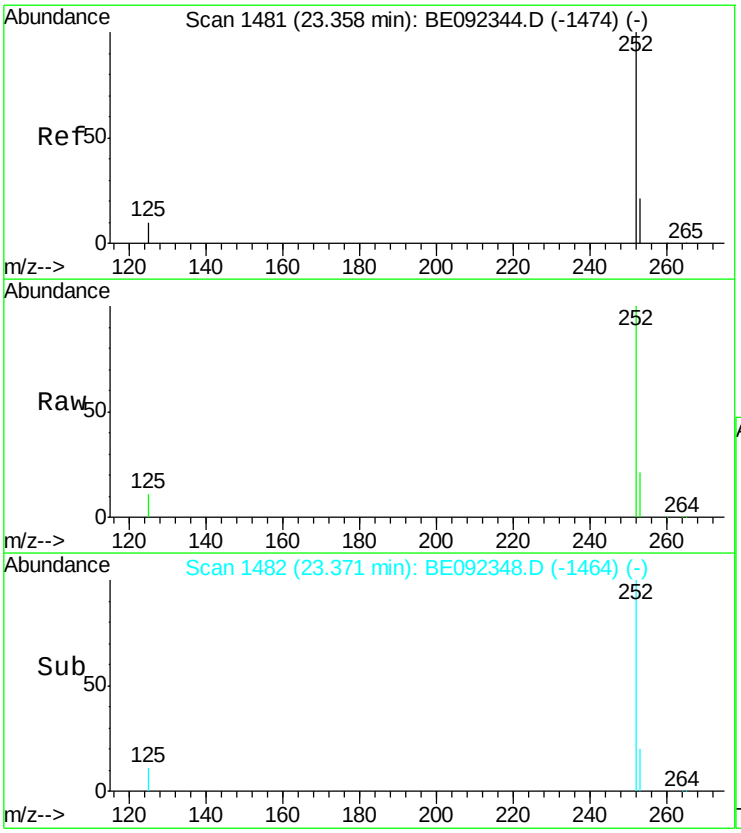
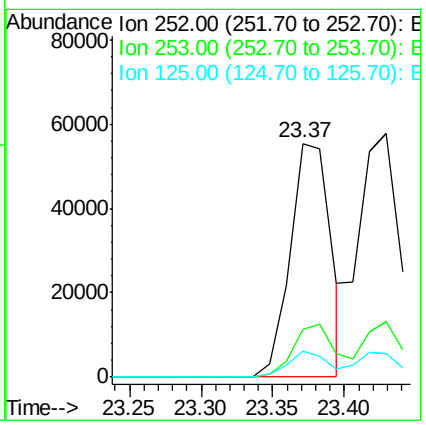
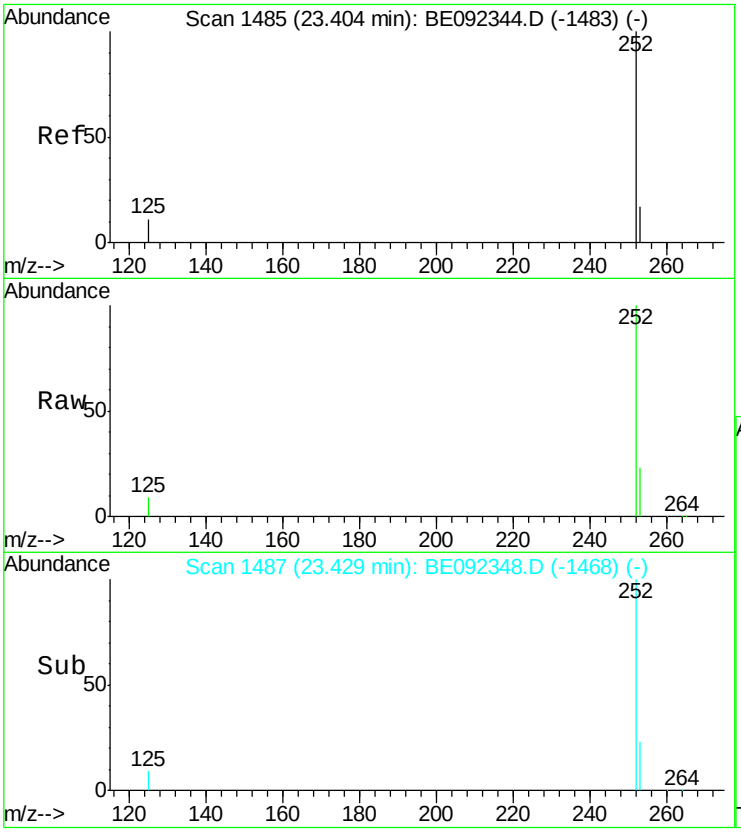


#32
Benzo(b)fluoranthene
Concen: 5.16 ng
RT: 23.37 min Scan# 1482
Delta R.T. 0.01 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion:252 Resp: 108314

Ion	Ratio	Lower	Upper
252	100		
253	20.5	18.7	28.1
125	10.9	10.5	15.7





#33
Benzo(k)fluoranthene
Concen: 5.40 ng m
RT: 23.43 min Scan# 1487
Delta R.T. 0.02 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion:252 Resp: 118744

Ion	Ratio	Lower	Upper
252	100		
253	23.0	20.3	30.5
125	9.5	9.6	14.4#

Instrument :
BNA_E
ClientSampleId :
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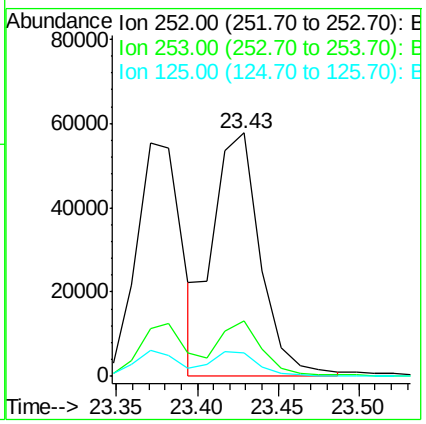
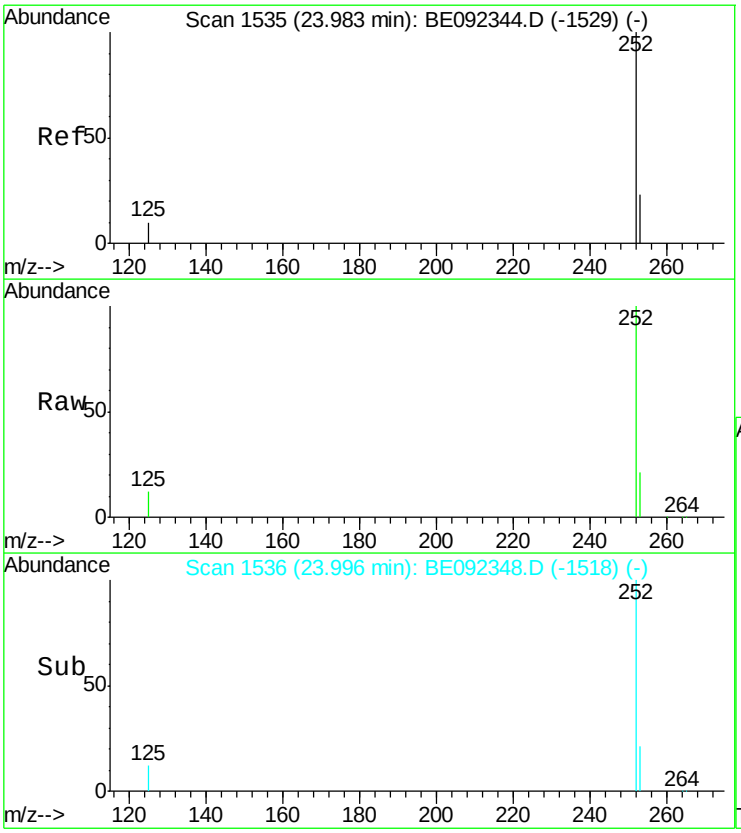
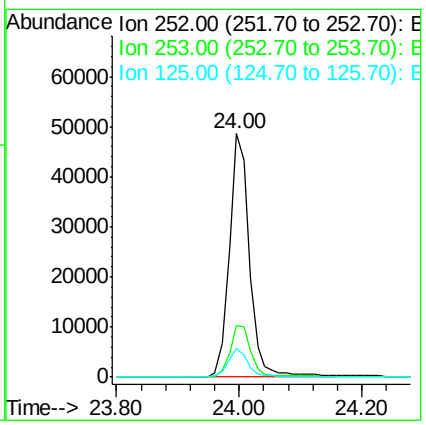


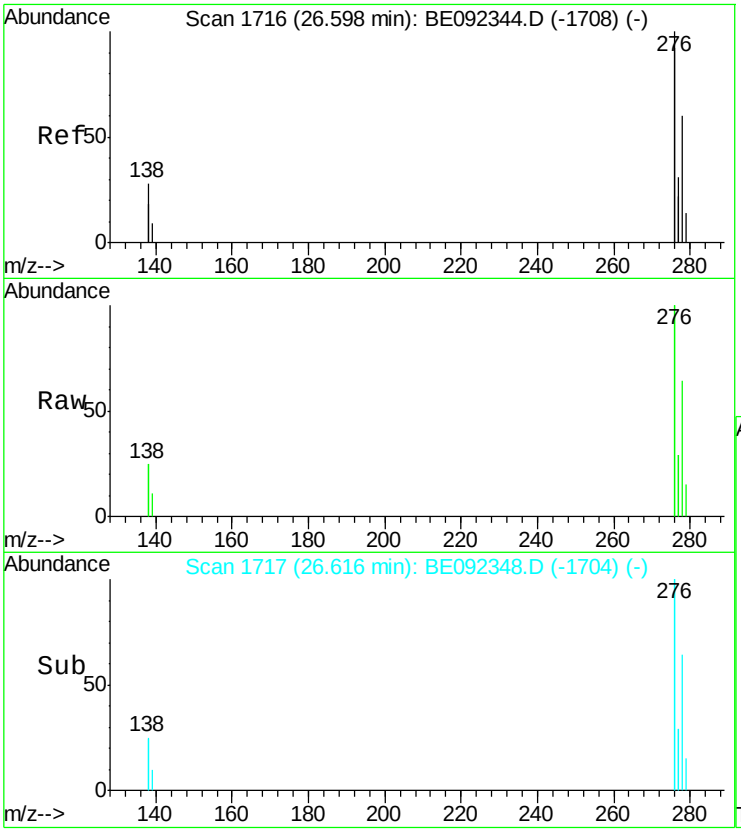


#34
Benzo(a)pyrene
Concen: 5.36 ng
RT: 24.00 min Scan# 1536
Delta R.T. 0.01 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion:252 Resp: 109807

Ion	Ratio	Lower	Upper
252	100		
253	21.3	19.0	28.6
125	11.7	11.8	17.8#

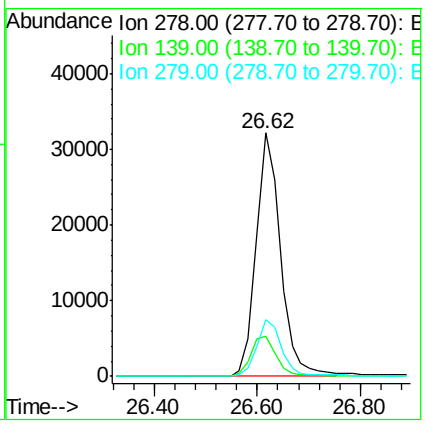




#35
Dibenzo(a,h)anthracene
Concen: 5.53 ng
RT: 26.62 min Scan# 1717
Delta R.T. 0.02 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion:278 Resp: 103998

Ion	Ratio	Lower	Upper
278	100		
139	16.5	13.8	20.8
279	23.2	21.4	32.2



Instrument :
BNA_E
ClientSampleId :
SSTDICC005

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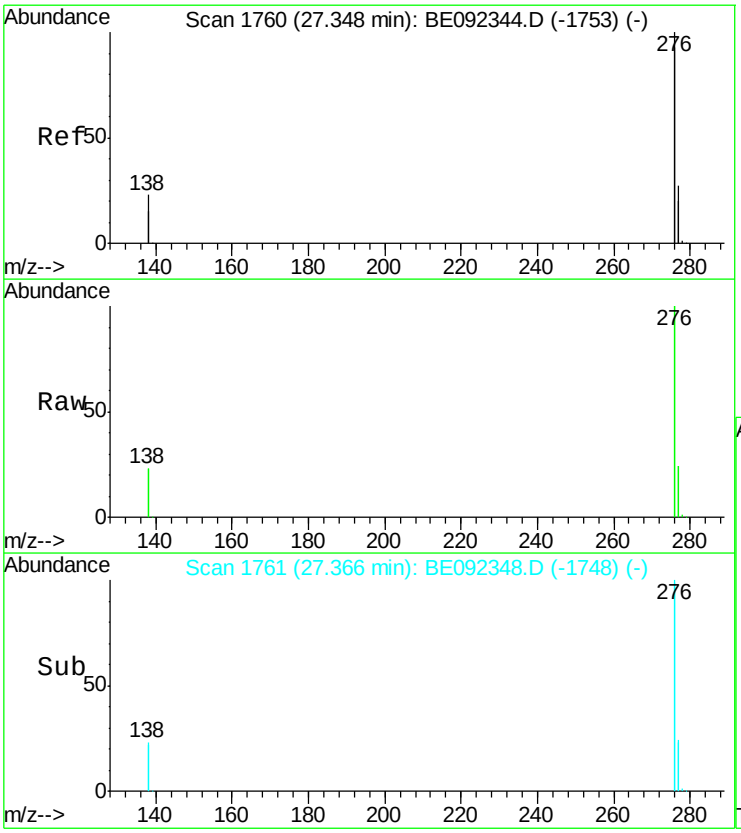

#36
Benzo(g,h,i)perylene
Concen: 5.26 ng
RT: 27.37 min Scan# 1761
Delta R.T. 0.02 min
Lab File: BE092348.D
Acq: 2 Sep 2016 18:03

Tgt Ion:276 Resp: 422110

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.8	29.8
138	22.9	19.8	29.6