Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE090216\
Data File : BE092349.D
Acq On : 2 Sep 2016 18:39
Operator : UM/SJ
Sample : SSTDICC010
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
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9/6/2016 1:15:22 PM

Quant Time: Sep 03 00:17:12 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 18:40:53 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	9295	5.00	ng		-0.02
7) Naphthalene-d8	10.95	136	47267	5.00	ng		0.00
12) Acenaphthene-d10	14.81	164	29072	5.00	ng		0.00
18) Phenanthrene-d10	17.58	188	65419	5.00	ng		0.02
24) Chrysene-d12	21.75	240	96111	5.00	ng		0.00
31) Perylene-d12	24.11	264	83428	5.00	ng		0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.68	112	24637	11.34	ng		-0.01
5) Phenol-d6	0.00	99	0d	0.00	ng		
8) Nitrobenzene-d5	9.34	82	38865	11.69	ng		-0.02
13) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ng		
14) 2-Fluorobiphenyl	13.43	172	86417	9.64	ng		-0.01
26) Terphenyl-d14	20.17	244	128203	8.89	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.41	88	11129	8.28	ng		93
9) Naphthalene	10.99	128	100931	9.47	ng	#	95
10) Hexachlorobutadiene	11.30	225	15285	9.16	ng		100
11) 2-Methylnaphthalene	12.62	142	69639	10.06	ng		92
15) Acenaphthylene	14.53	152	513823	10.31	ng		100
16) Acenaphthene	14.88	154	75977	9.29	ng		95
17) Fluorene	15.86	166	100728	9.89	ng		100
19) Hexachlorobenzene	16.89	284	30754	9.79	ng	#	64
21) Phenanthrene	17.60	178	173543	9.36	ng	#	94
22) Anthracene	17.69	178	178443	11.05	ng		99
23) Fluoranthene	19.59	202	817925	10.22	ng		99
25) Pyrene	19.97	202	869364	9.21	ng		99
27) Benzo(a)anthracene	21.72	228	928624m	8.82	ng		
28) Chrysene	21.77	228	951735m	8.75	ng		
30) Indeno(1,2,3-cd)pyrene	26.60	276	974290	8.78	ng		98
32) Benzo(b)fluoranthene	23.37	252	211943	9.88	ng		95
33) Benzo(k)fluoranthene	23.42	252	225815	9.97	ng		92
34) Benzo(a)pyrene	24.00	252	212848	10.10	ng	#	94
35) Dibenzo(a,h)anthracene	26.62	278	200648	10.32	ng		96
36) Benzo(g,h,i)perylene	27.37	276	825453	10.03	ng		96

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

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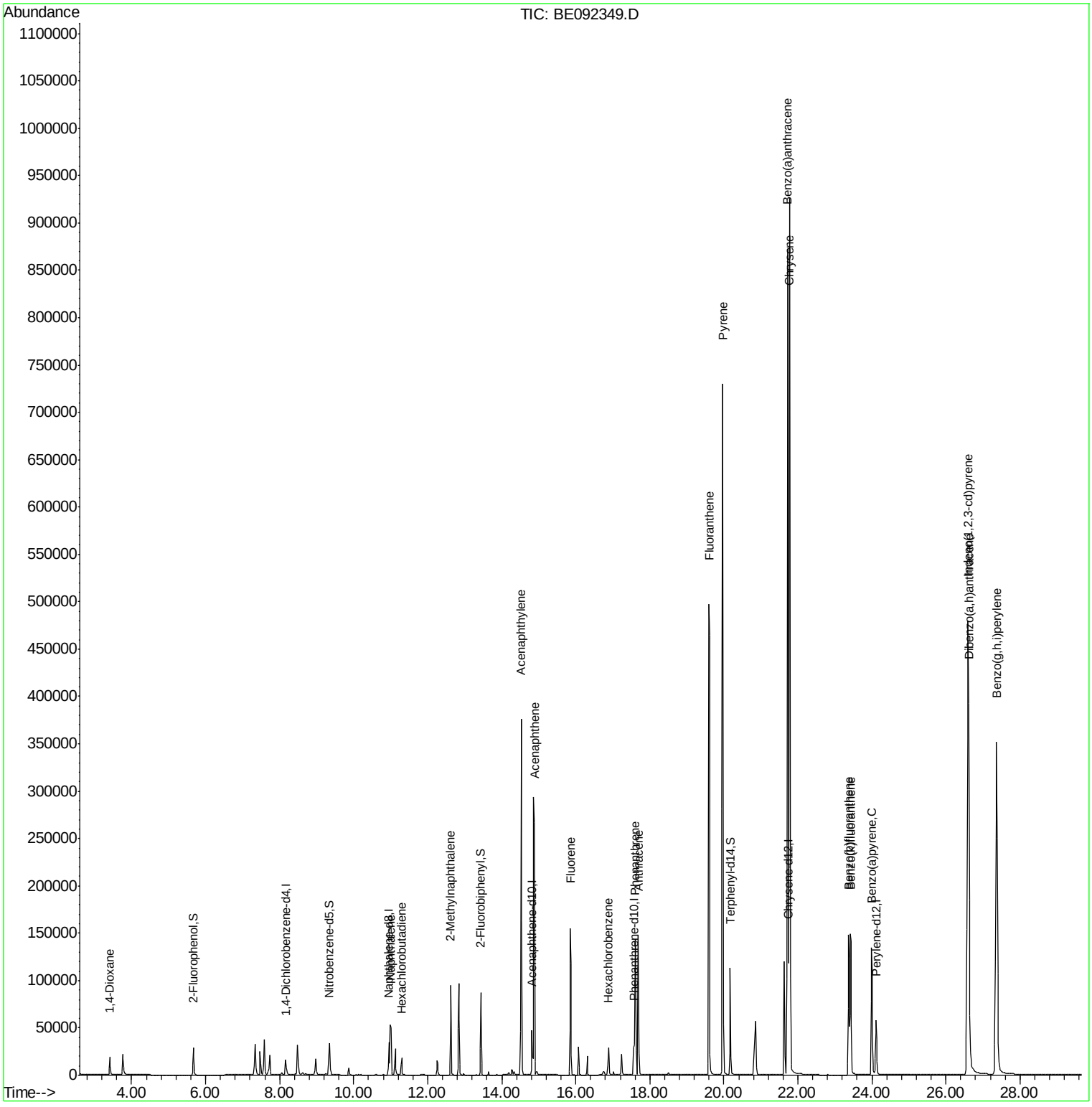
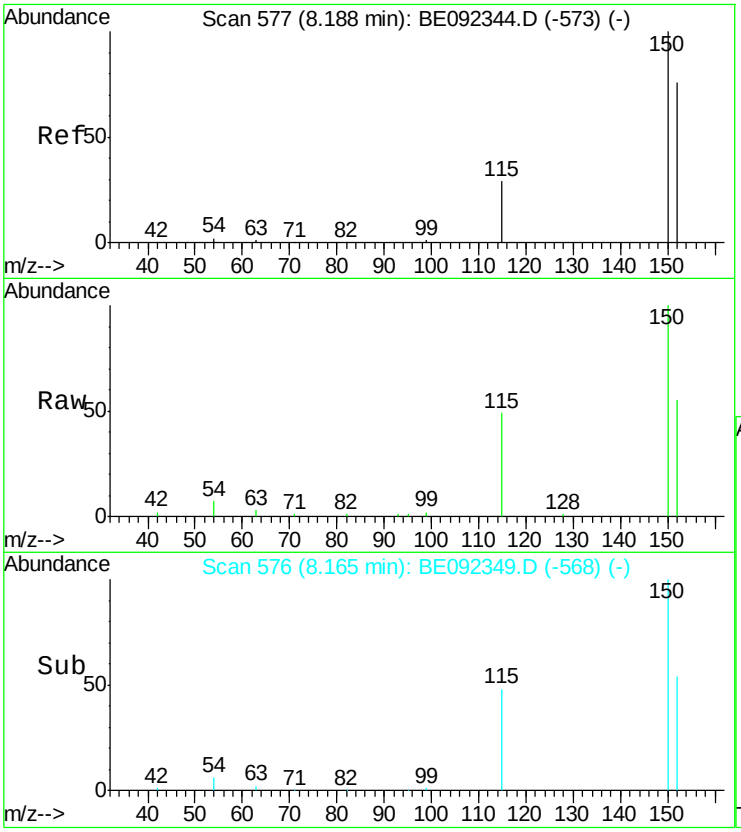
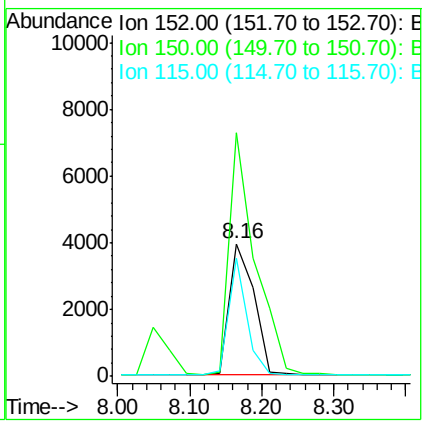




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.16 min Scan# 576
Delta R.T. -0.02 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion:152 Resp: 9295

Ion	Ratio	Lower	Upper
152	100		
150	183.3	106.0	159.0#
115	89.1	31.2	46.8#



Instrument :
BNA_E
ClientSampleId :
SSTDICC010

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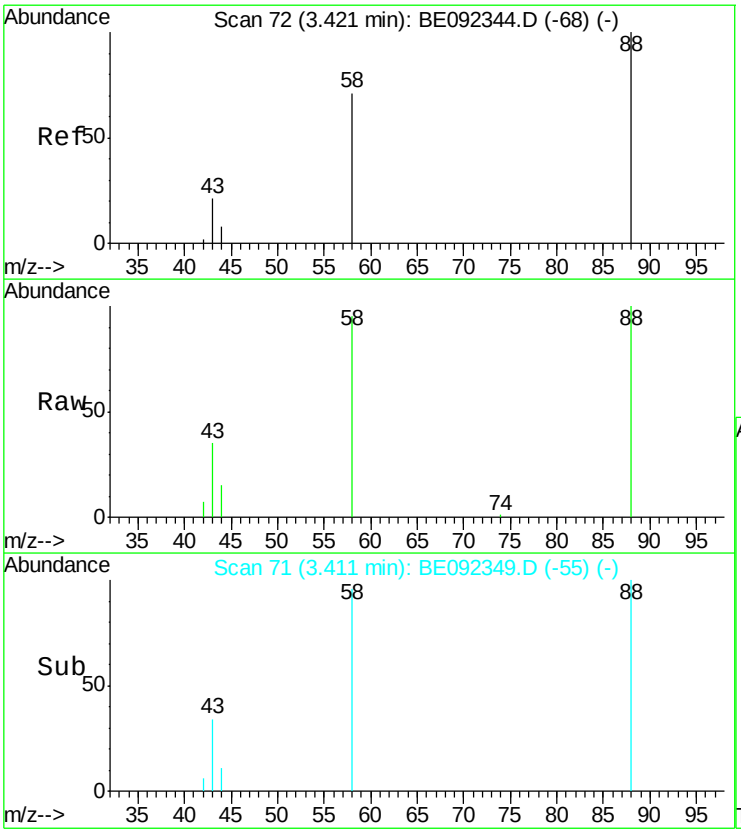
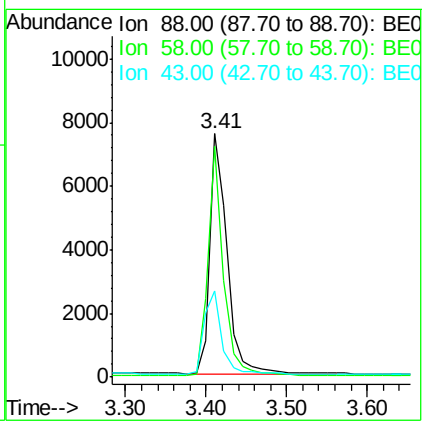
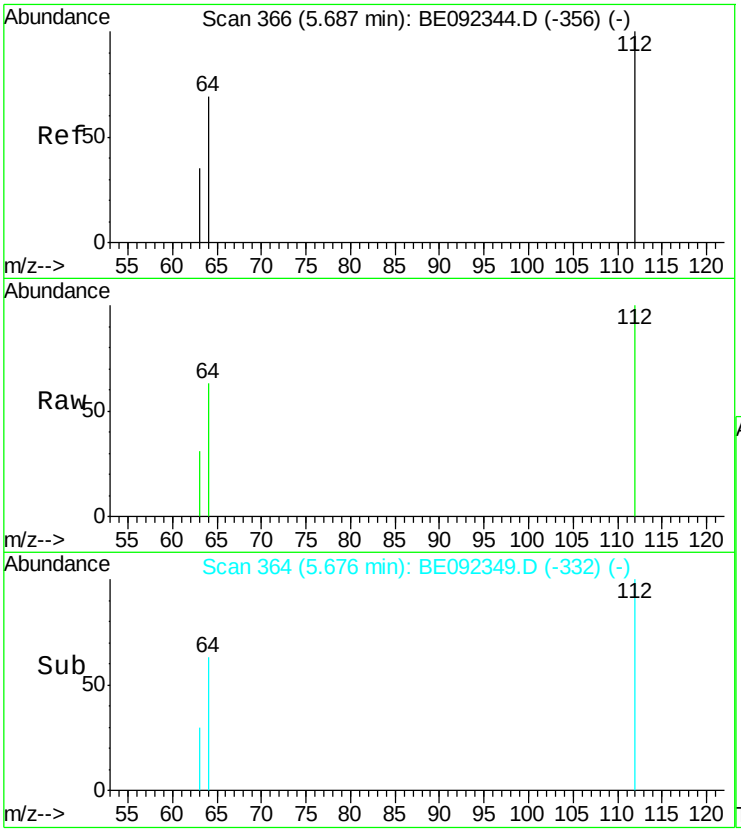


#2
1,4-Dioxane
Concen: 8.28 ng
RT: 3.41 min Scan# 71
Delta R.T. -0.01 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion: 88 Resp: 11129

Ion	Ratio	Lower	Upper
88	100		
58	87.7	63.6	95.4
43	35.8	28.0	42.0





#4
2-Fluorophenol
Concen: 11.34 ng
RT: 5.68 min Scan# 364
Delta R.T. -0.01 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion:112 Resp: 24637

Ion	Ratio	Lower	Upper
112	100		
64	67.3	53.5	80.3
63	35.9	27.9	41.9

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

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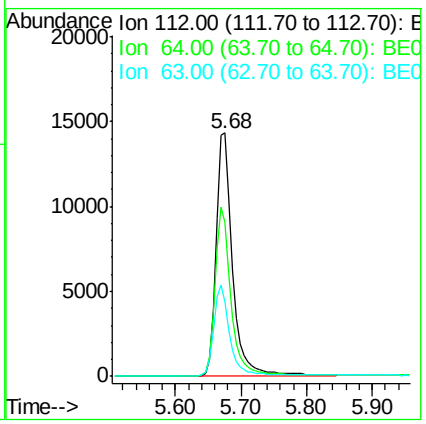
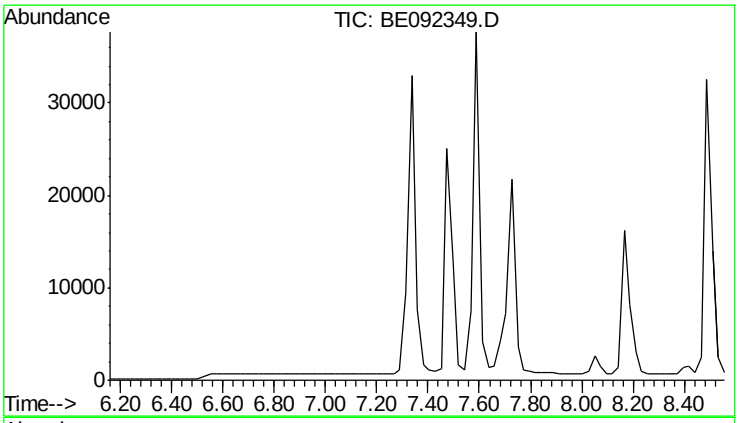


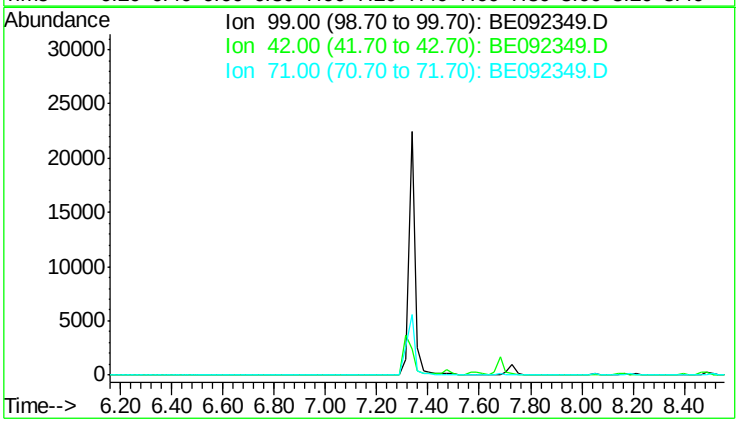


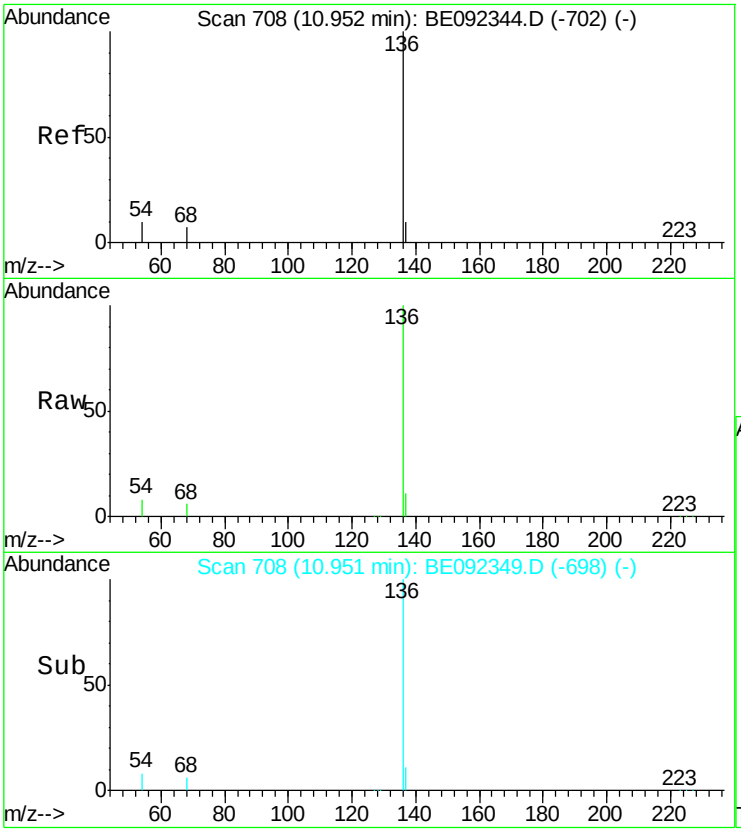
#5
Phenol-d6
Concen: 0.00 ng
Expected RT: 7.36 min

Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion: 99

Sig	Exp Ratio
99	100
42	20.0
71	38.2

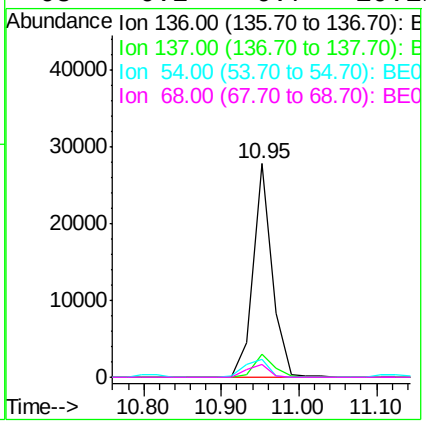




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.95 min Scan# 708
Delta R.T. -0.00 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion:136 Resp: 47267

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.2	12.4
54	8.2	9.6	14.4#
68	6.2	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
SSTDICC010

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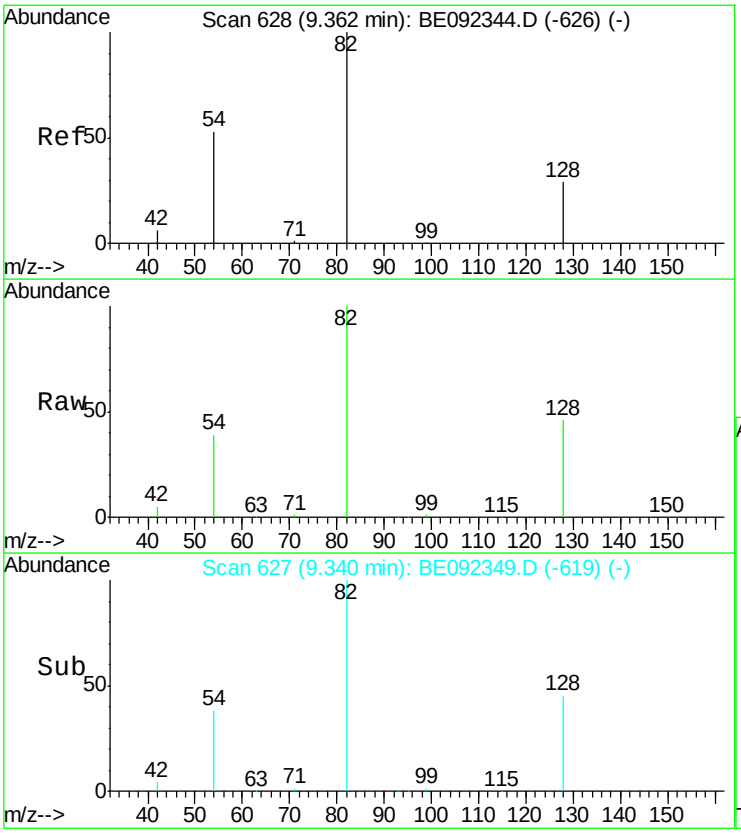
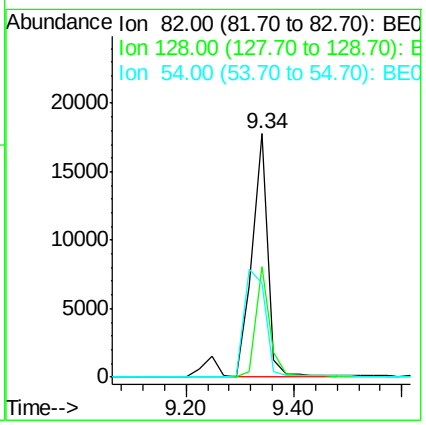
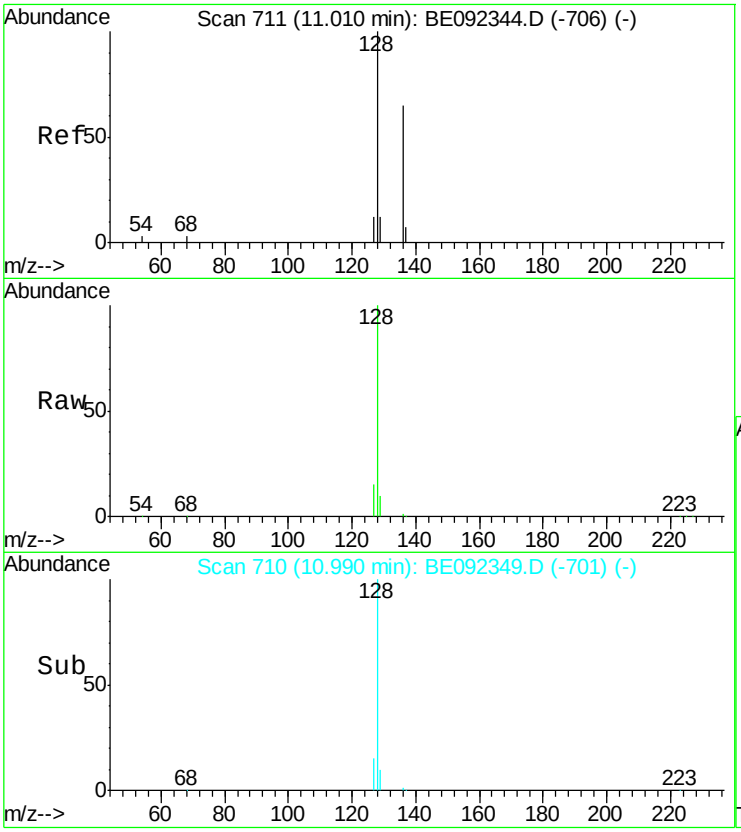


#8
Nitrobenzene-d5
Concen: 11.69 ng
RT: 9.34 min Scan# 627
Delta R.T. -0.02 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion: 82 Resp: 38865

Ion	Ratio	Lower	Upper
82	100		
128	45.6	39.0	58.4
54	38.5	44.8	67.2#

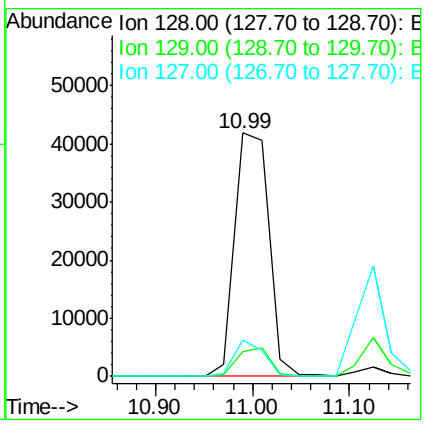




#9
Naphthalene
Concen: 9.47 ng
RT: 10.99 min Scan# 710
Delta R.T. -0.02 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion:128 Resp: 100931

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



Instrument :
BNA_E
ClientSampleId :
SSTDICC010

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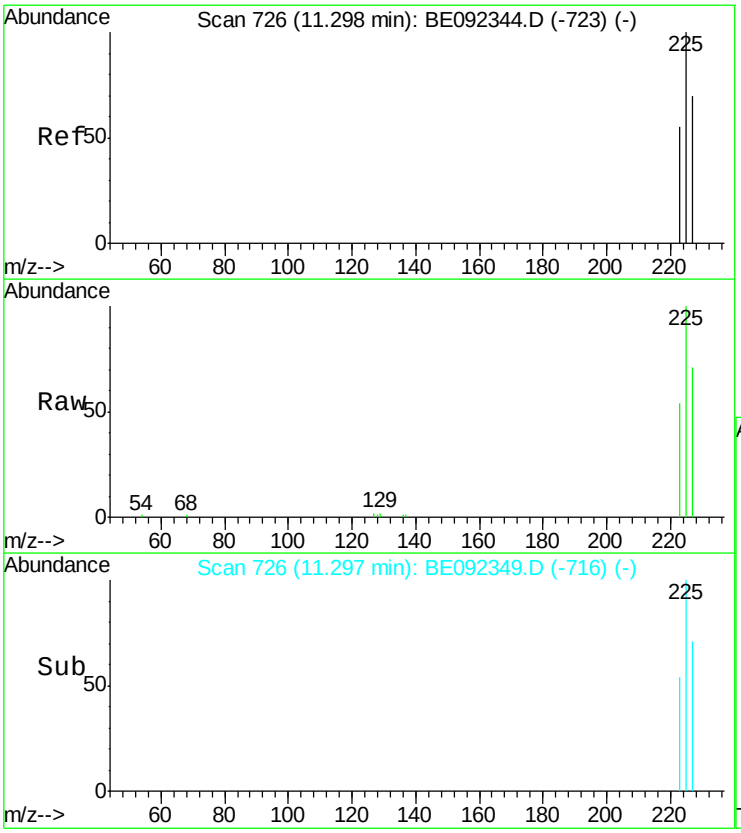
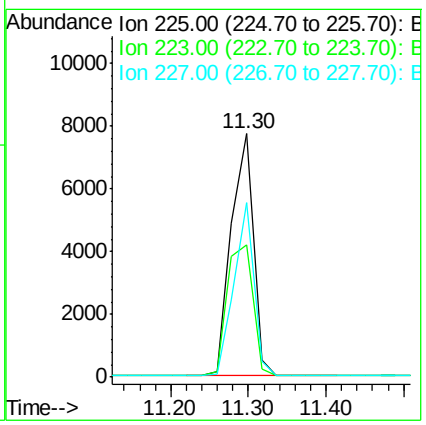
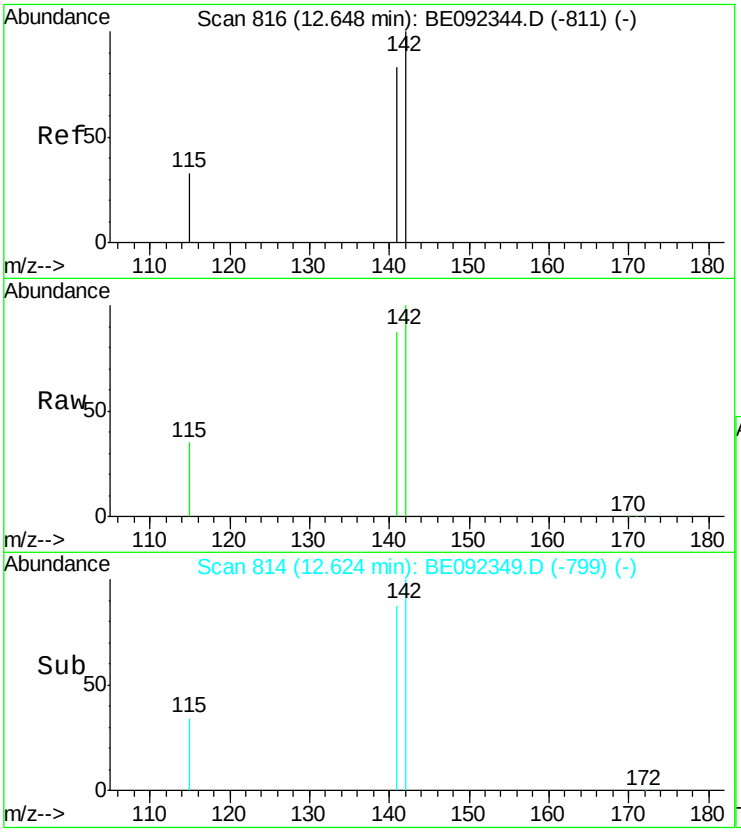


#10
Hexachlorobutadiene
Concen: 9.16 ng
RT: 11.30 min Scan# 726
Delta R.T. -0.00 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion:225 Resp: 15285

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.6	76.0
227	63.9	51.4	77.0

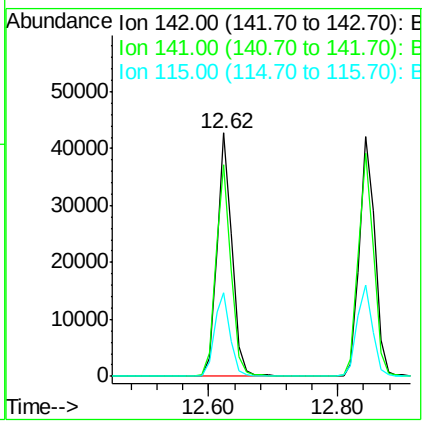




#11
2-Methylnaphthalene
Concen: 10.06 ng
RT: 12.62 min Scan# 814
Delta R.T. -0.02 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion:142 Resp: 69639

Ion	Ratio	Lower	Upper
142	100		
141	86.7	73.7	110.5
115	34.5	34.0	51.0



Instrument :
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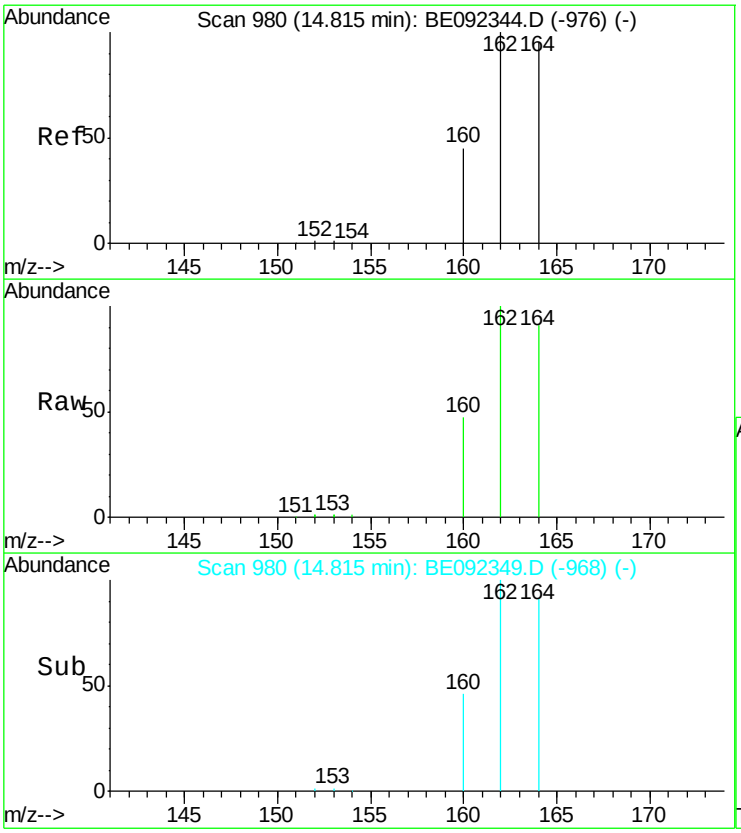
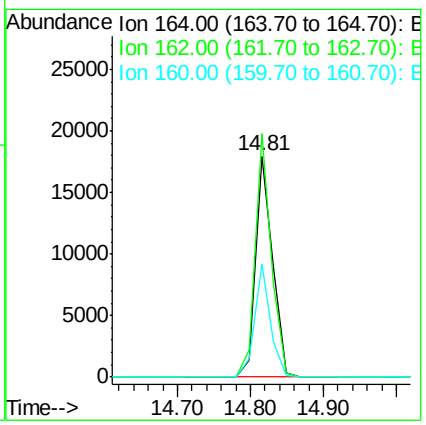
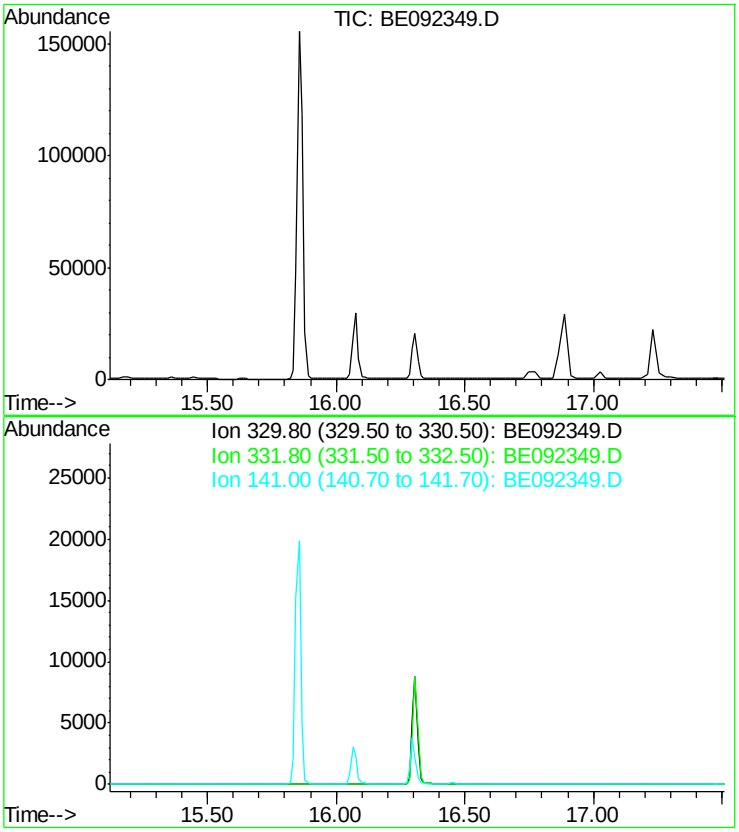


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.81 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion:164 Resp: 29072

Ion	Ratio	Lower	Upper
164	100		
162	110.3	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: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	94.2
141	38.8

Instrument :
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ClientSampleId :
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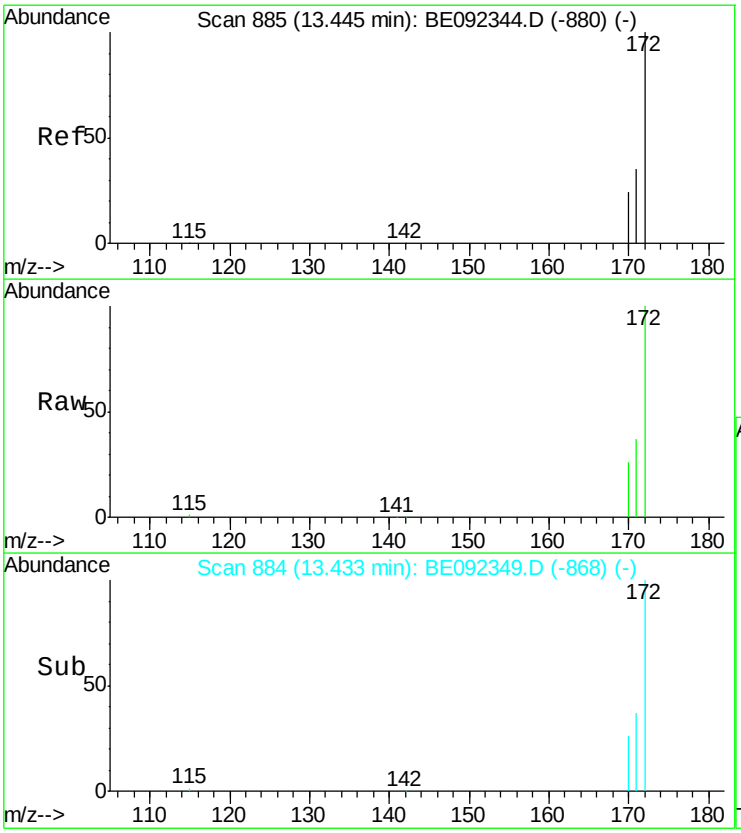
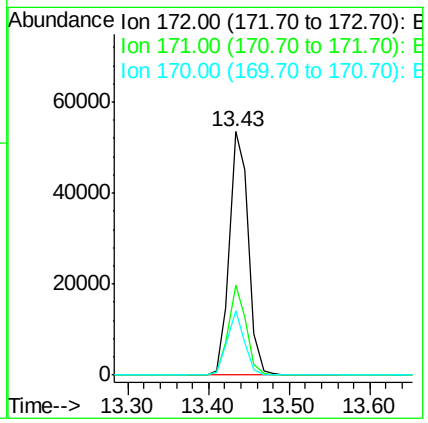
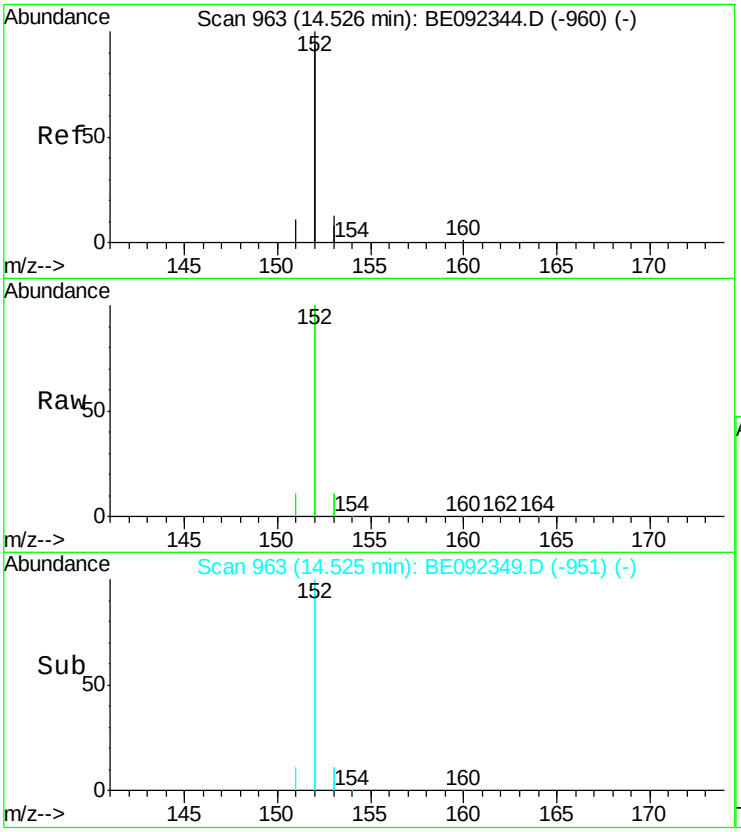


#14
2-Fluorobiphenyl
Concen: 9.64 ng
RT: 13.43 min Scan# 884
Delta R.T. -0.01 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion:172 Resp: 86417

Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.1	45.1
170	26.2	21.8	32.6

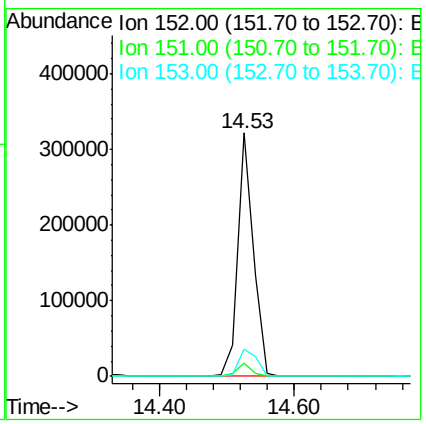




#15
Acenaphthylene
Concen: 10.31 ng
RT: 14.53 min Scan# 963
Delta R.T. -0.00 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion:152 Resp: 513823

Ion	Ratio	Lower	Upper
152	100		
151	5.0	3.9	5.9
153	13.1	10.4	15.6



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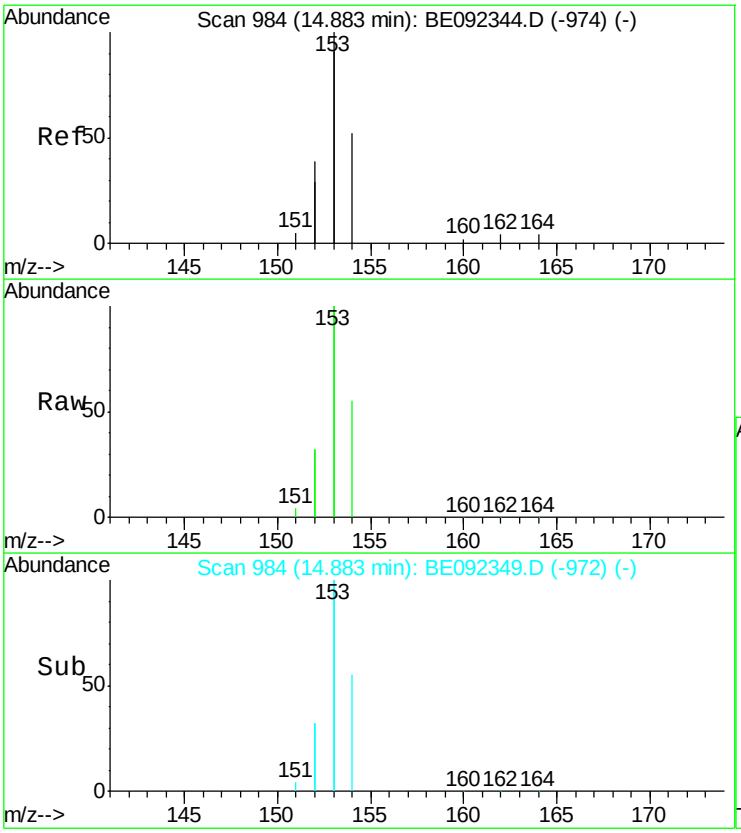
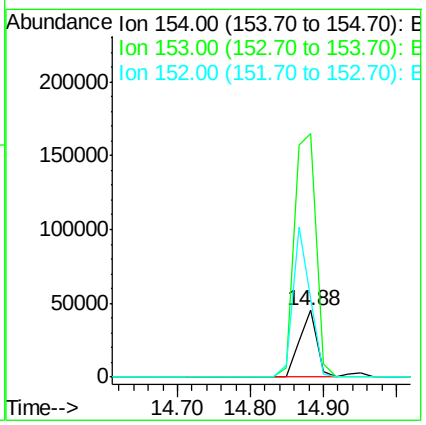
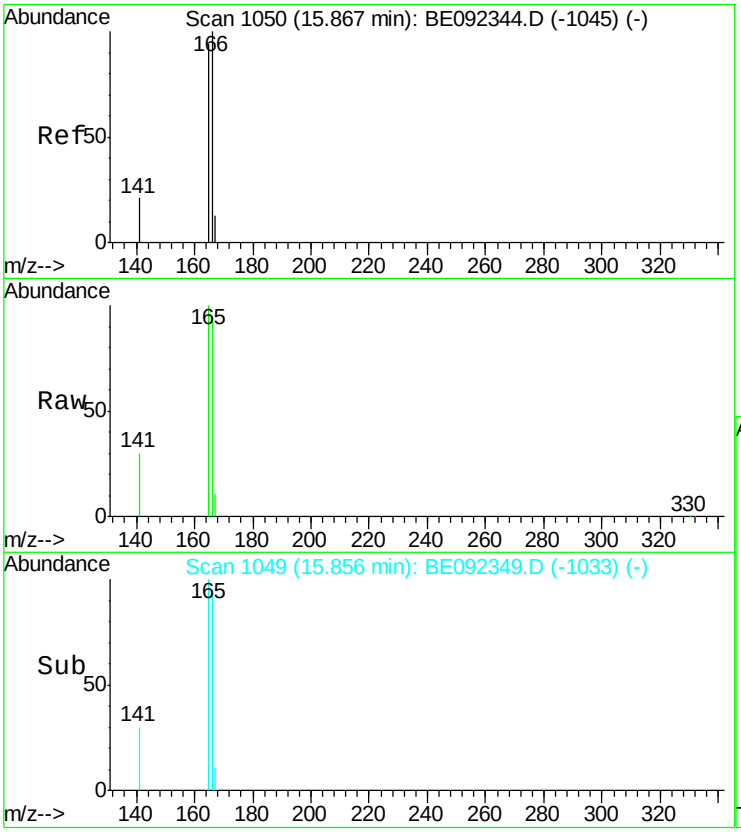


#16
Acenaphthene
Concen: 9.29 ng
RT: 14.88 min Scan# 984
Delta R.T. -0.00 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion:154 Resp: 75977

Ion	Ratio	Lower	Upper
154	100		
153	453.3	350.8	526.2
152	220.8	171.1	256.7





#17
Fluorene
Concen: 9.89 ng
RT: 15.86 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion:166 Resp: 100728

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.2	117.4
167	13.5	11.0	16.4

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
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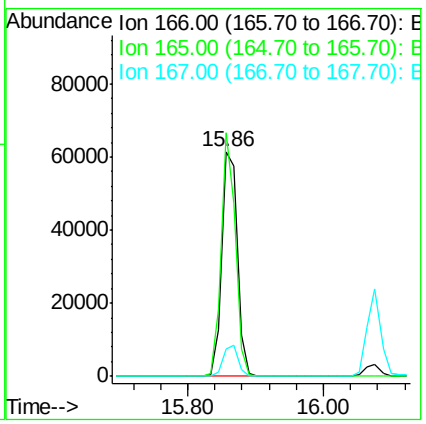
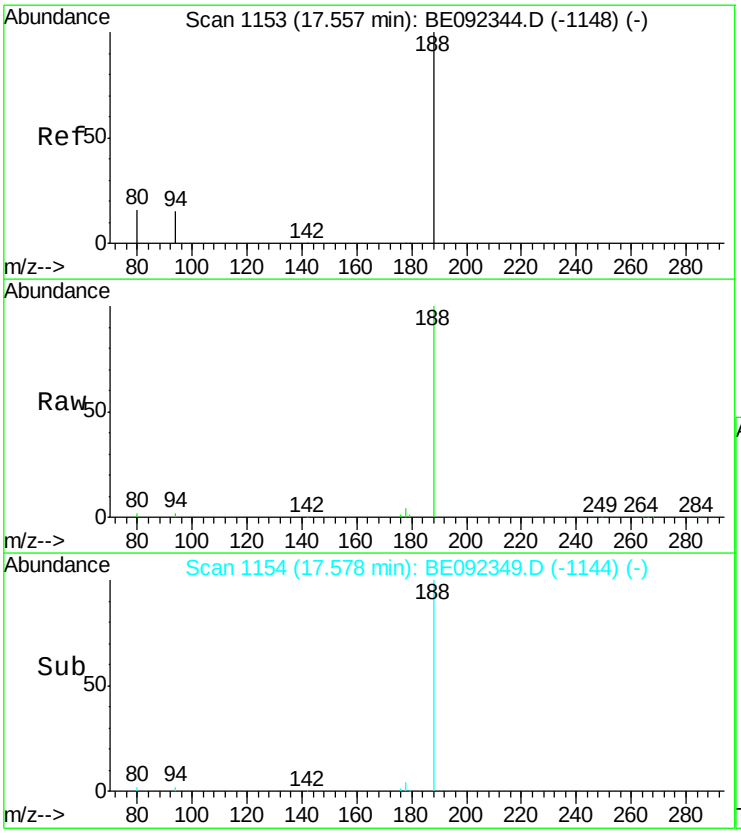
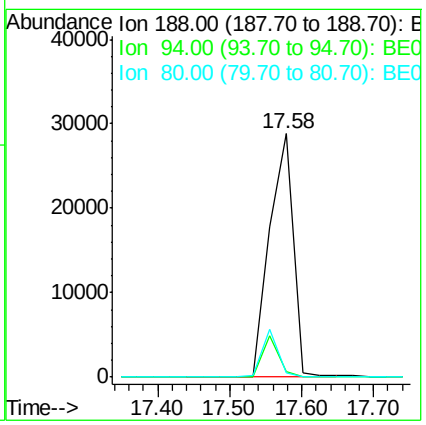


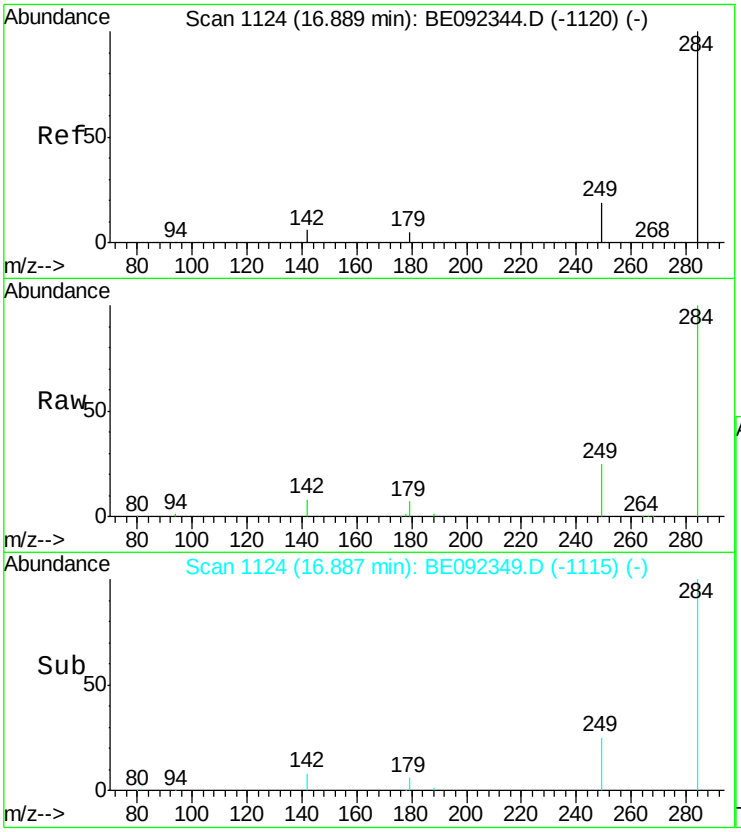


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 1154
Delta R.T. 0.02 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion:188 Resp: 65419

Ion	Ratio	Lower	Upper
188	100		
94	2.5	3.2	4.8#
80	1.9	2.6	3.8#

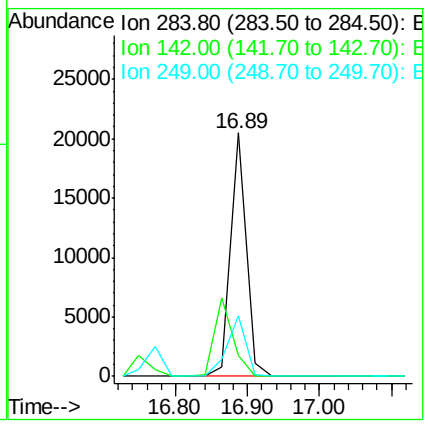




#19
Hexachlorobenzene
Concen: 9.79 ng
RT: 16.89 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion:284 Resp: 30754

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	29.5	27.9	41.9



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ClientSampleId :
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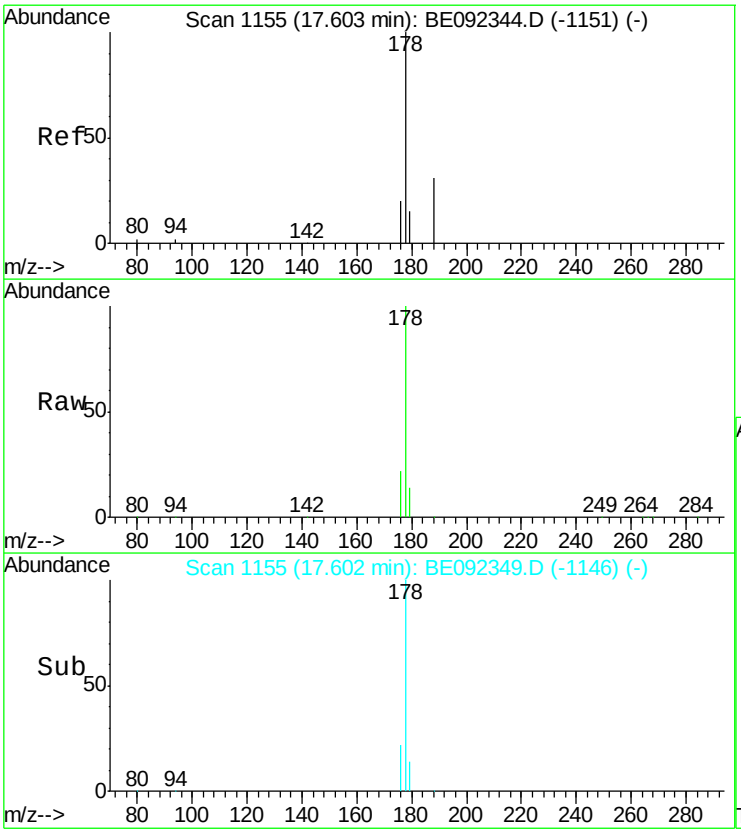
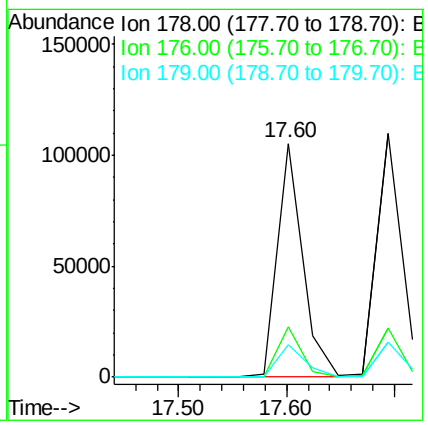
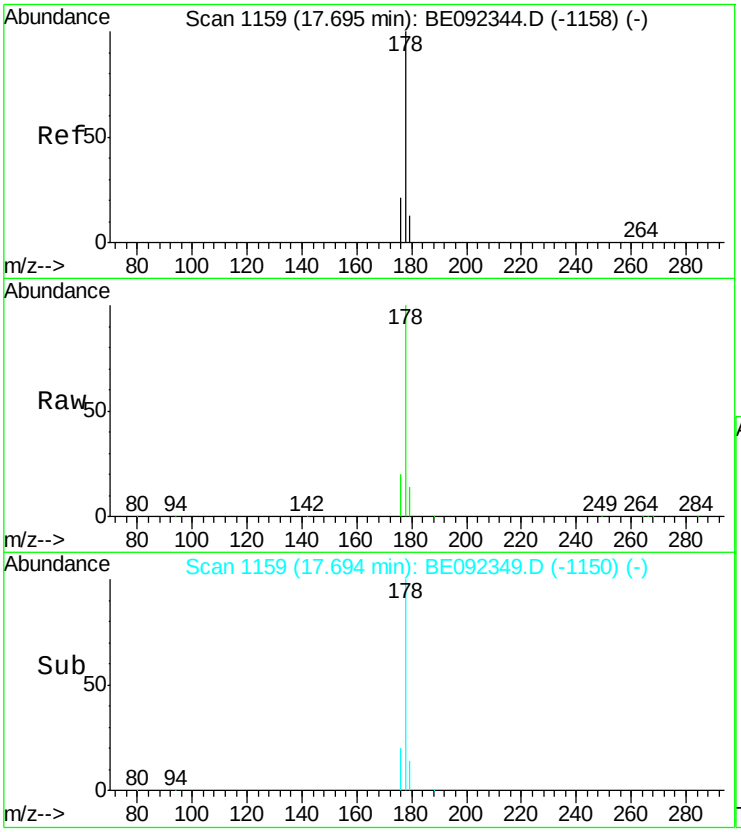


#21
Phenanthrene
Concen: 9.36 ng
RT: 17.60 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion:178 Resp: 173543

Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.8	23.8
179	14.8	16.0	24.0#





#22
Anthracene
Concen: 11.05 ng
RT: 17.69 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion:178 Resp: 178443

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.0	22.4
179	14.9	12.2	18.2

Instrument :
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ClientSampleId :
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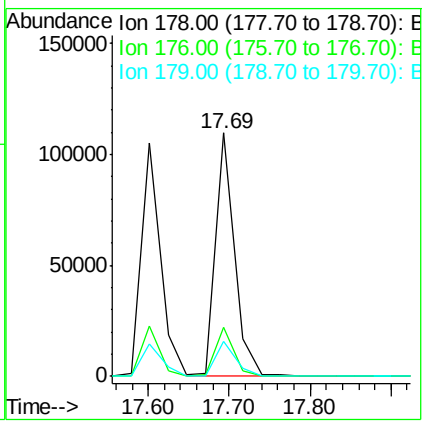
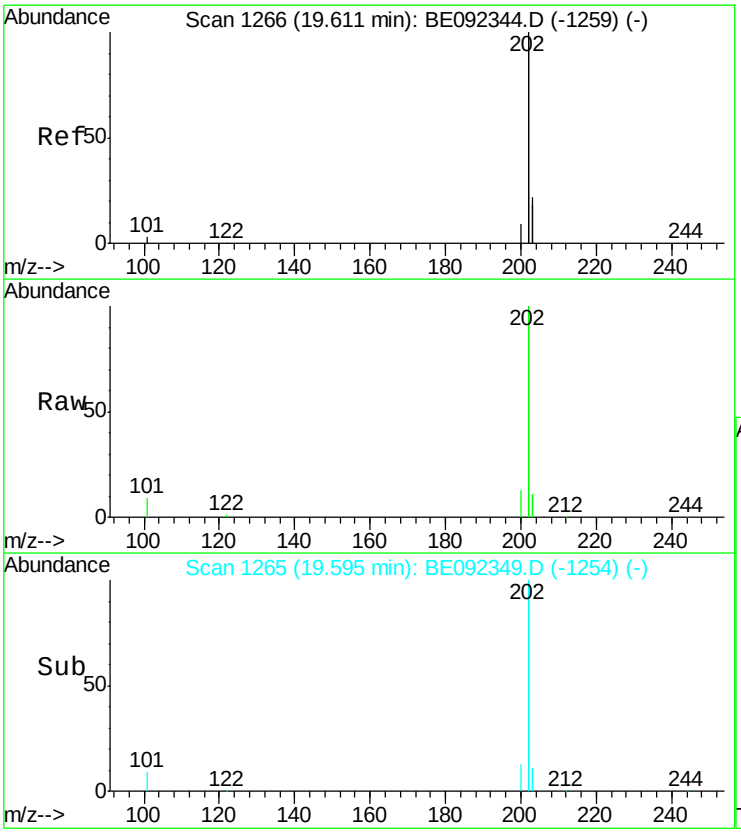
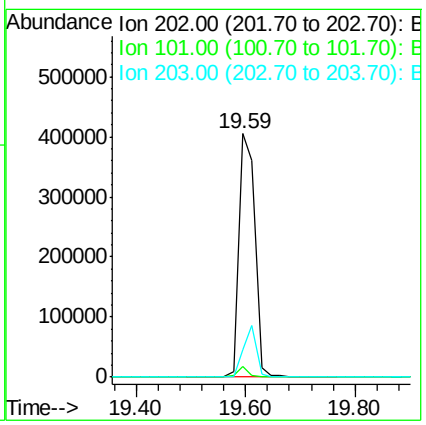


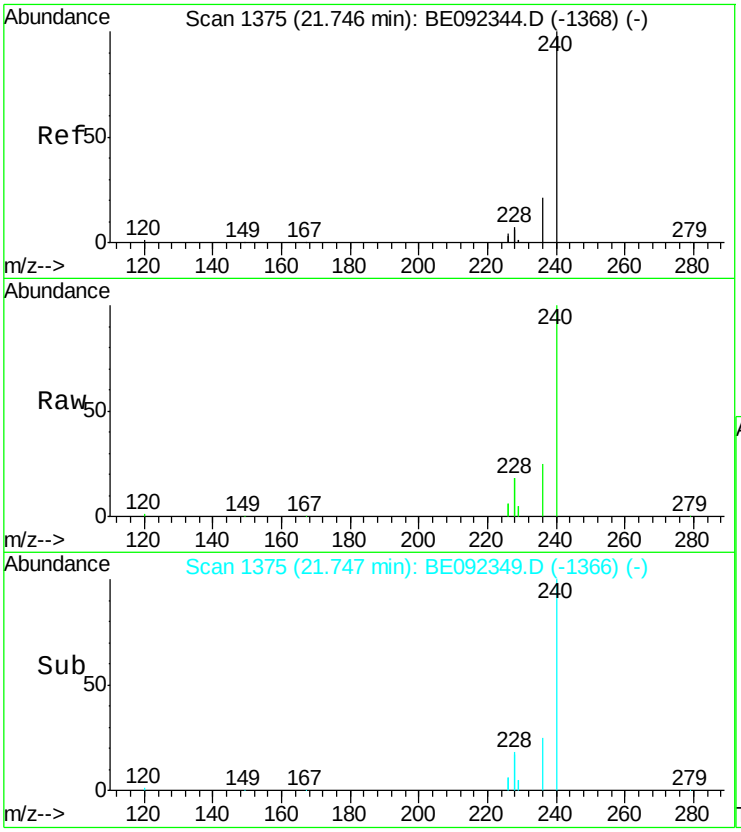


#23
Fluoranthene
Concen: 10.22 ng
RT: 19.59 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion:202 Resp: 817925

Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.4	13.7	20.5

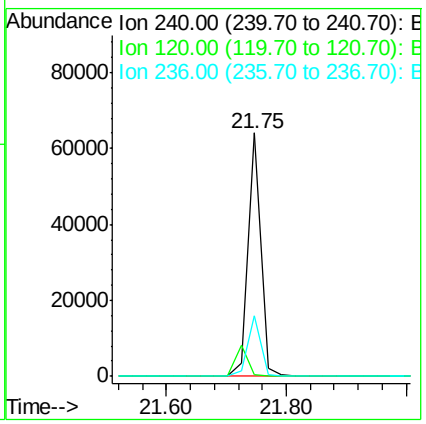




#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion:240 Resp: 96111

Ion	Ratio	Lower	Upper
240	100		
120	0.9	2.6	4.0#
236	24.9	24.6	37.0



Instrument :
BNA_E
ClientSampleId :
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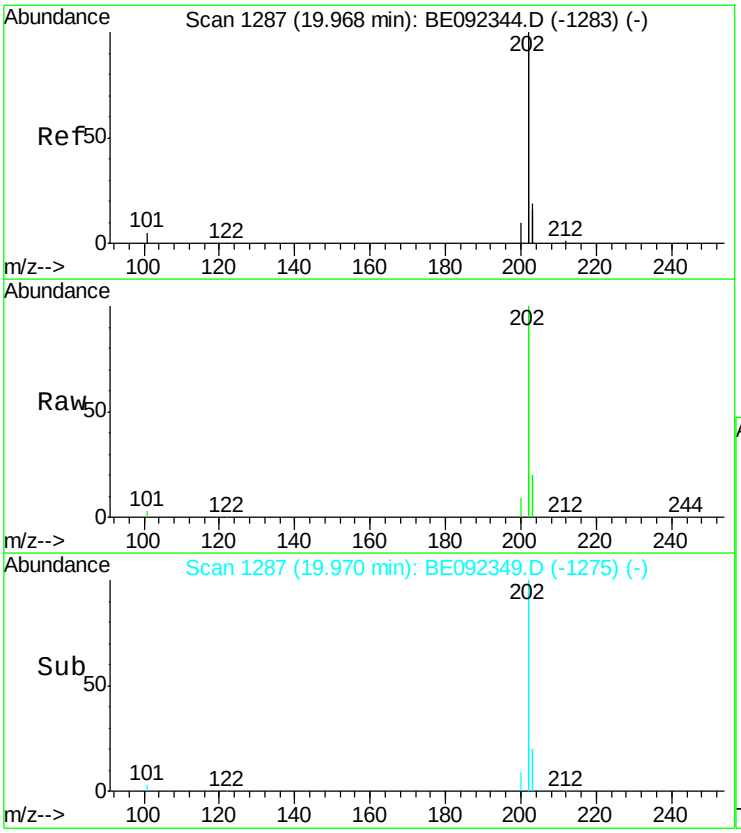
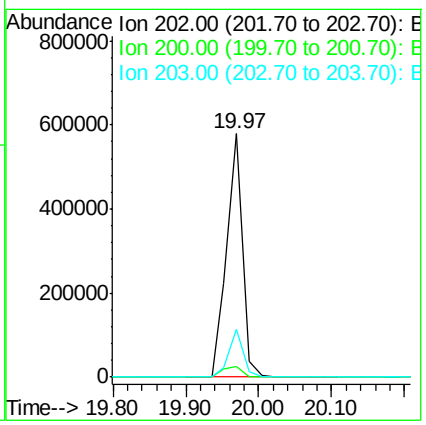
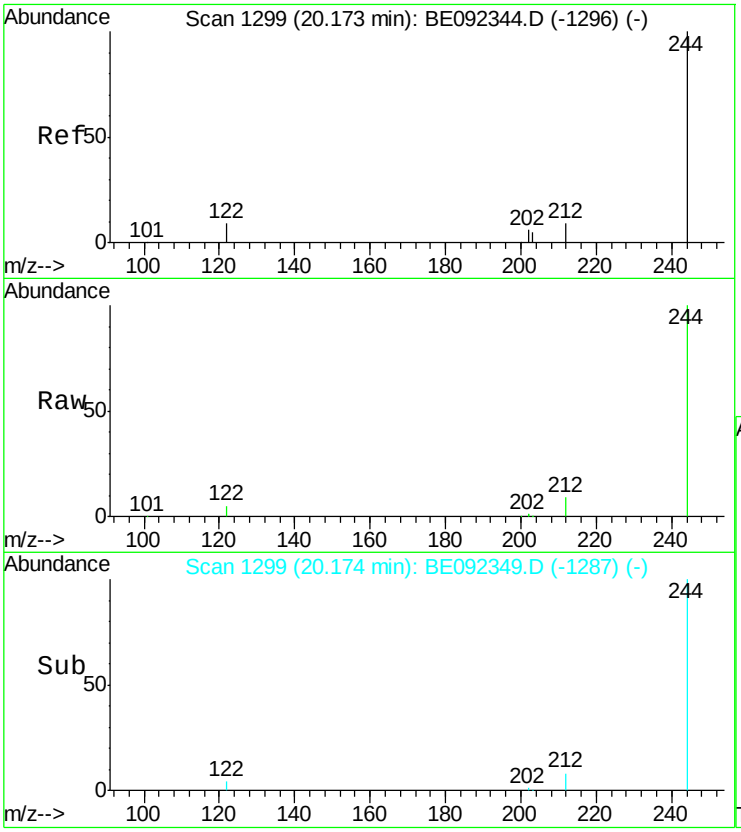


#25
Pyrene
Concen: 9.21 ng
RT: 19.97 min Scan# 1287
Delta R.T. 0.00 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion:202 Resp: 869364

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	17.8	13.9	20.9

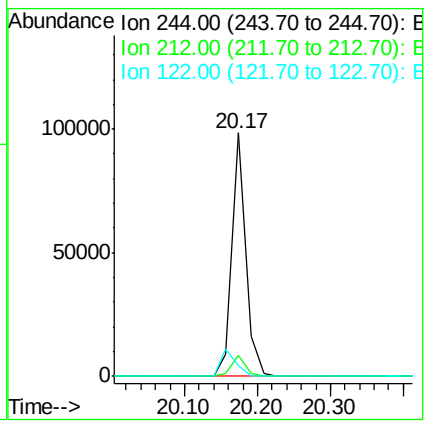




#26
Terphenyl-d14
Concen: 8.89 ng
RT: 20.17 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion:244 Resp: 128203

Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.7	10.1
122	4.6	3.6	5.4



Instrument :
BNA_E
ClientSampleId :
SSTDICC010

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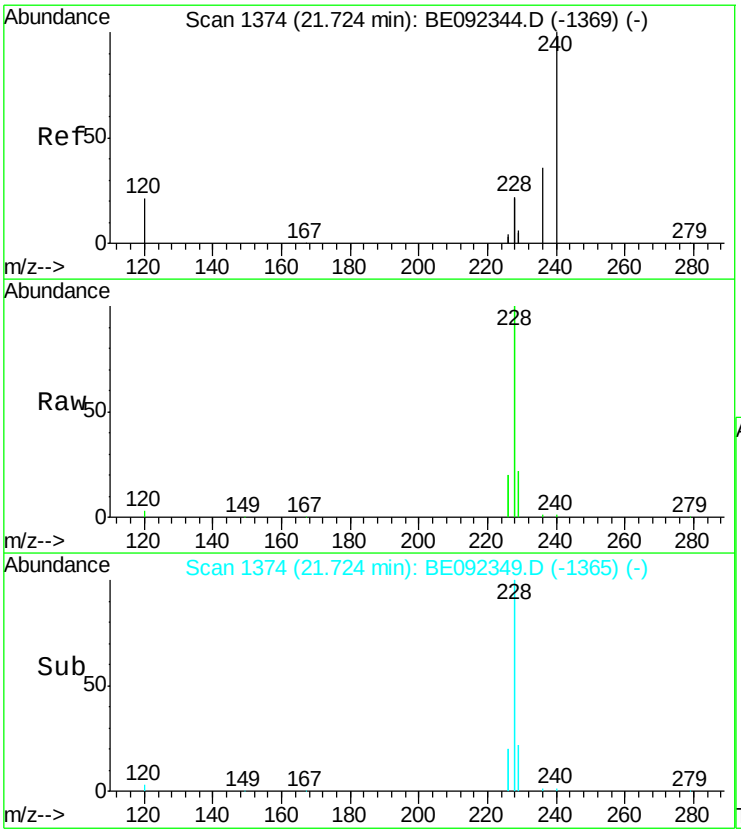
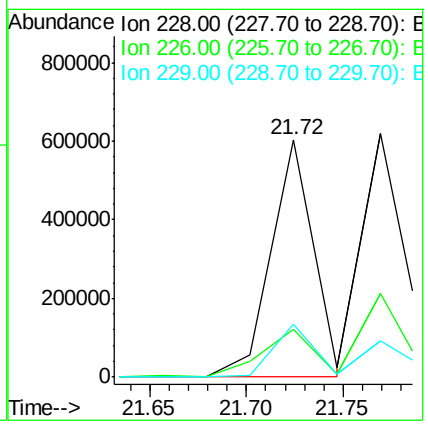
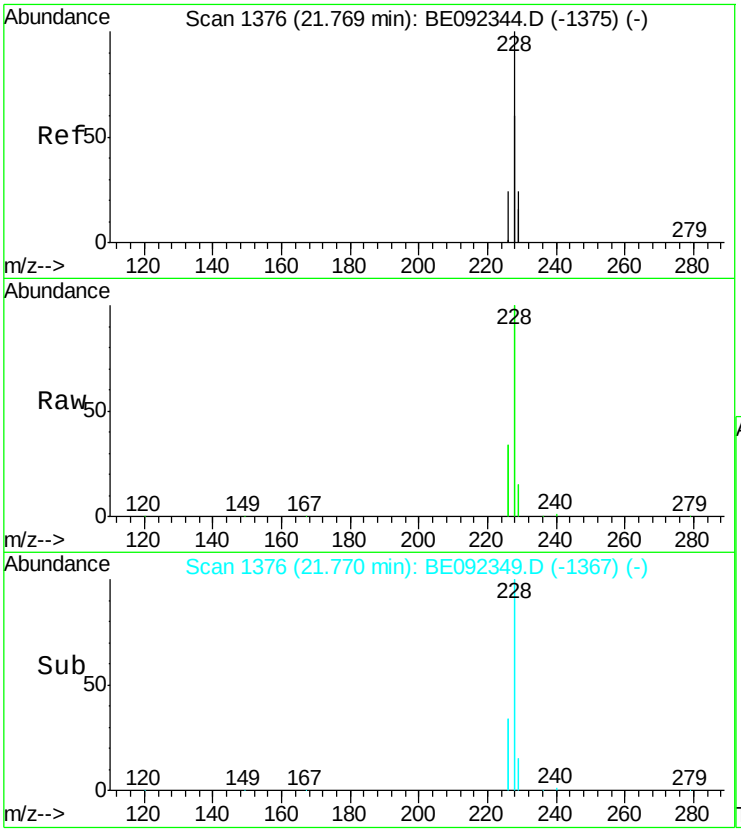


#27
Benzo(a)anthracene
Concen: 8.82 ng m
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion:228 Resp: 928624

Ion	Ratio	Lower	Upper
228	100		
226	20.1	23.6	35.4#
229	22.2	13.3	19.9#

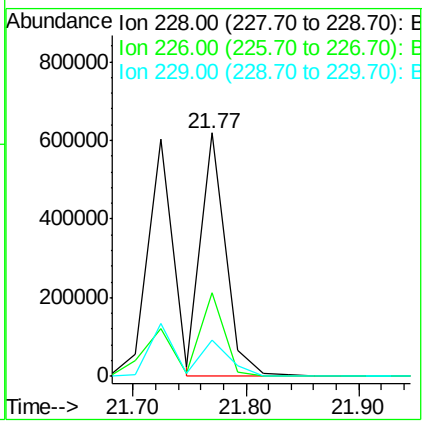




#28
Chrysene
Concen: 8.75 ng m
RT: 21.77 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion:228 Resp: 951735

Ion	Ratio	Lower	Upper
228	100		
226	34.2	36.3	54.5#
229	14.8	10.6	16.0



Instrument :
BNA_E
ClientSampleId :
SSTDICC010

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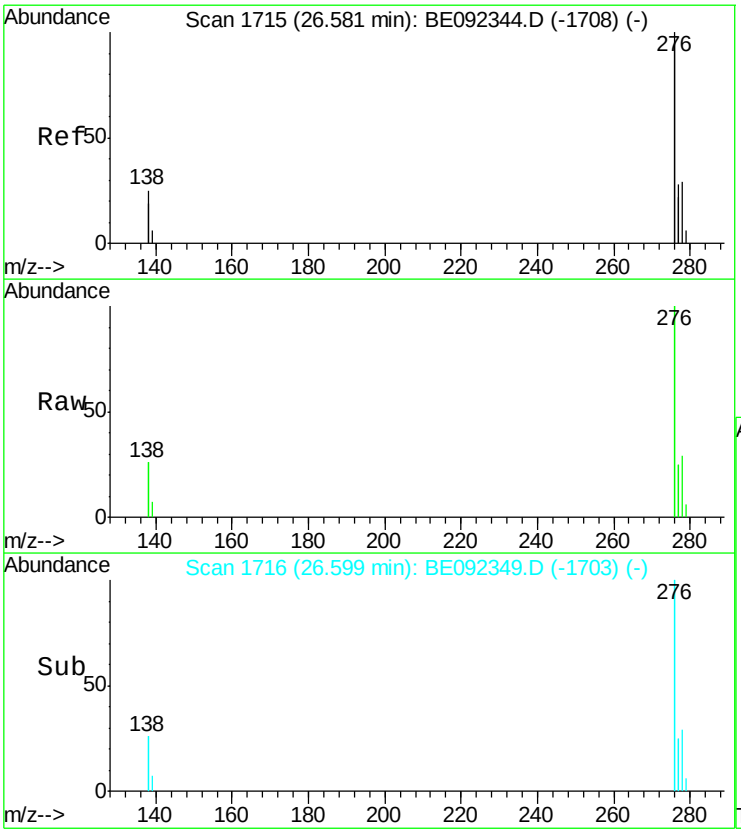
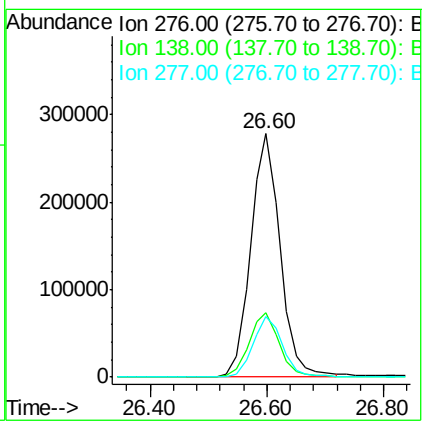
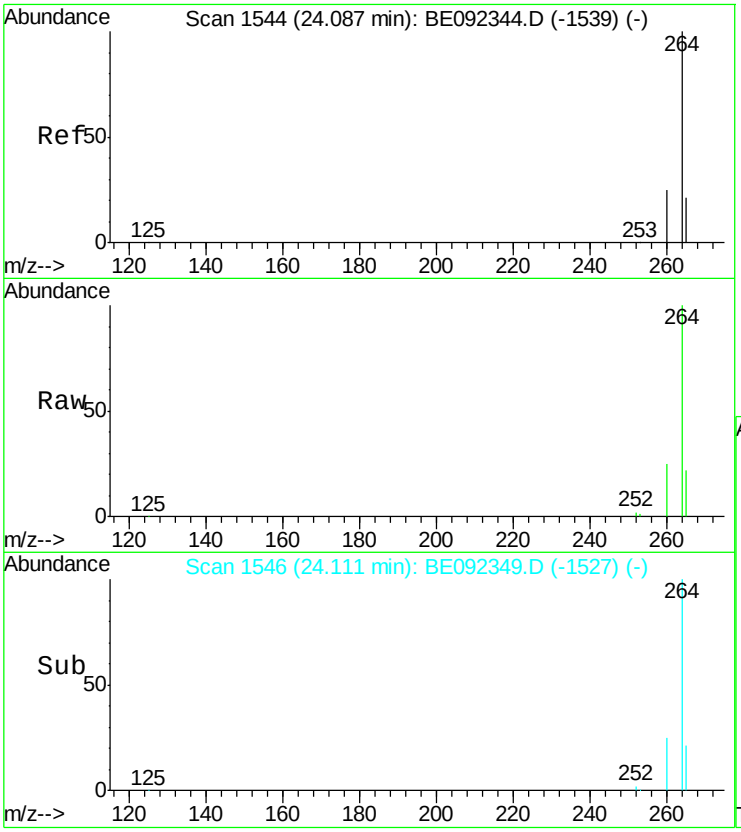


#30
Indeno(1,2,3-cd)pyrene
Concen: 8.78 ng
RT: 26.60 min Scan# 1716
Delta R.T. 0.02 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion:276 Resp: 974290

Ion	Ratio	Lower	Upper
276	100		
138	27.0	20.3	30.5
277	24.7	19.7	29.5

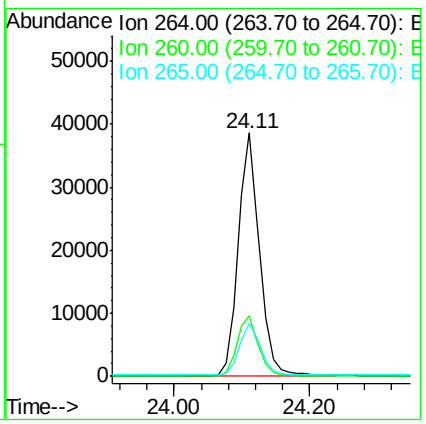




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.11 min Scan# 1546
Delta R.T. 0.02 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion:264 Resp: 83428

Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.1	30.1
265	21.7	17.9	26.9



Instrument :
BNA_E
ClientSampleId :
SSTDICC010

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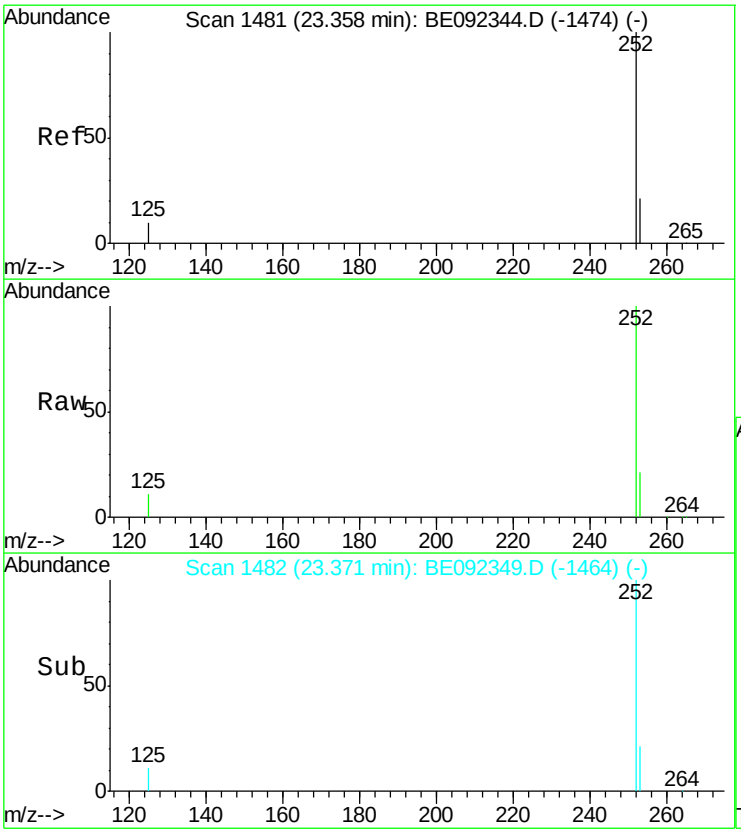
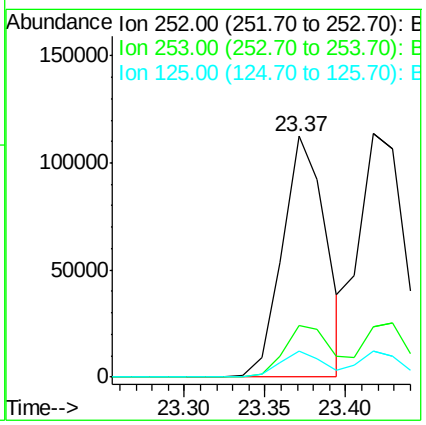
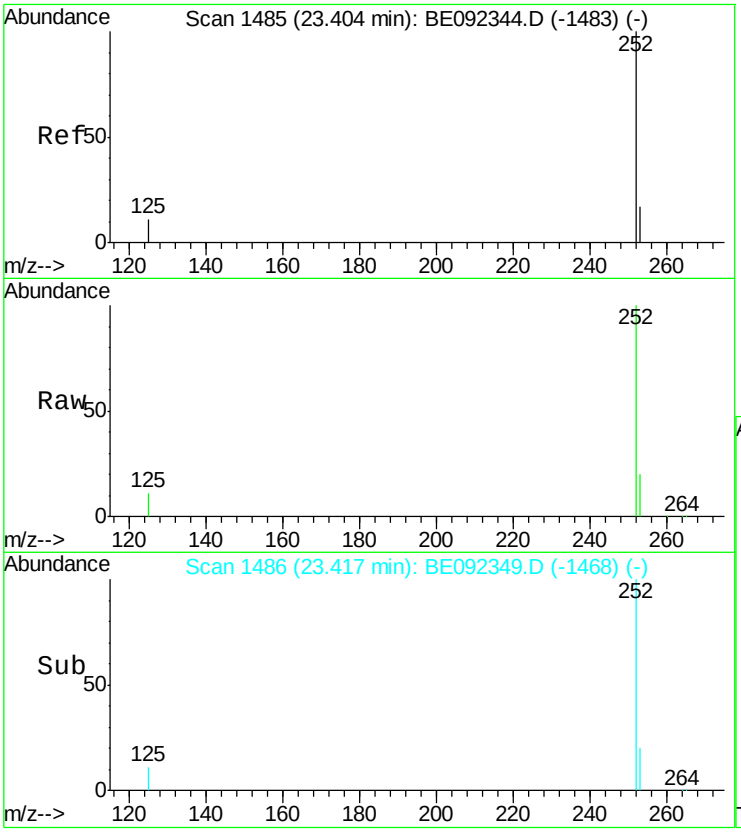


#32
Benzo(b)fluoranthene
Concen: 9.88 ng
RT: 23.37 min Scan# 1482
Delta R.T. 0.01 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion:252 Resp: 211943

Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.7	28.1
125	10.7	10.5	15.7

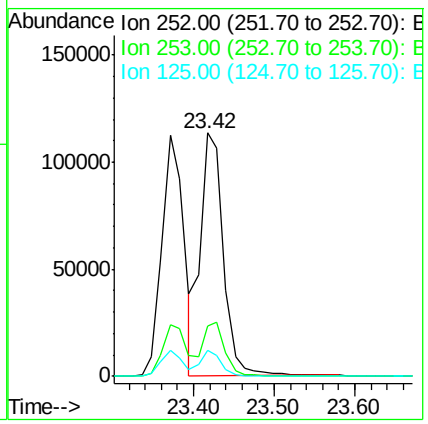




#33
Benzo(k)fluoranthene
Concen: 9.97 ng
RT: 23.42 min Scan# 1486
Delta R.T. 0.01 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion:252 Resp: 225815

Ion	Ratio	Lower	Upper
252	100		
253	20.4	20.3	30.5
125	10.9	9.6	14.4



Instrument :
BNA_E
ClientSampleId :
SSTDICC010

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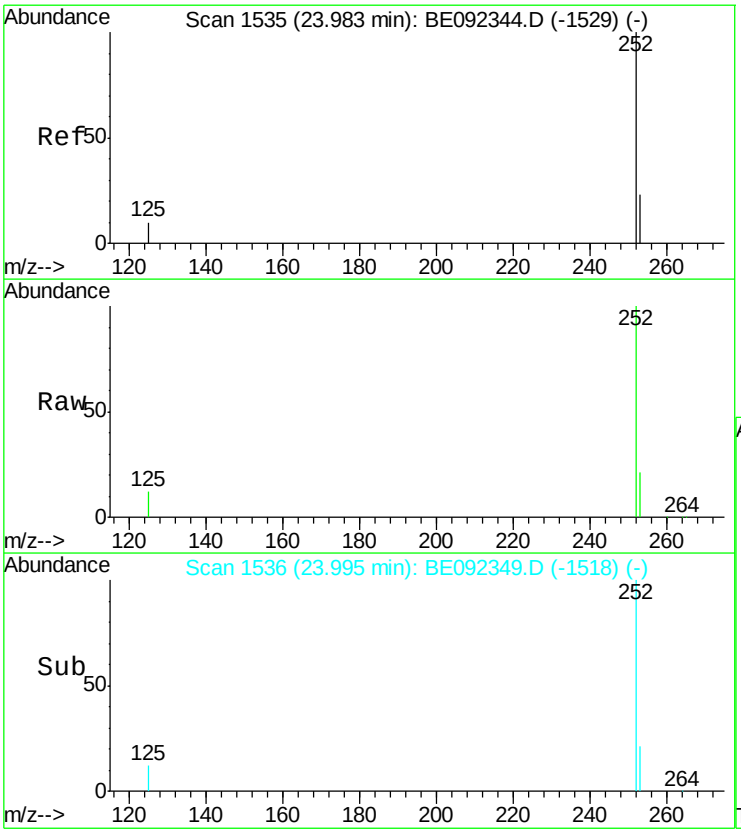
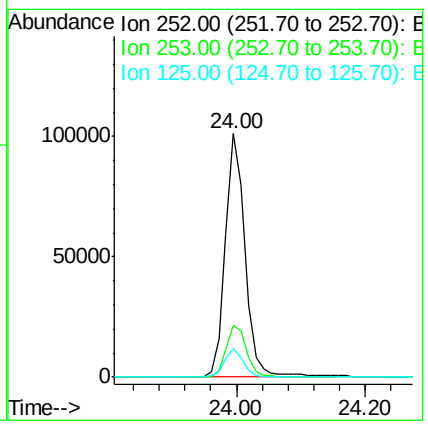
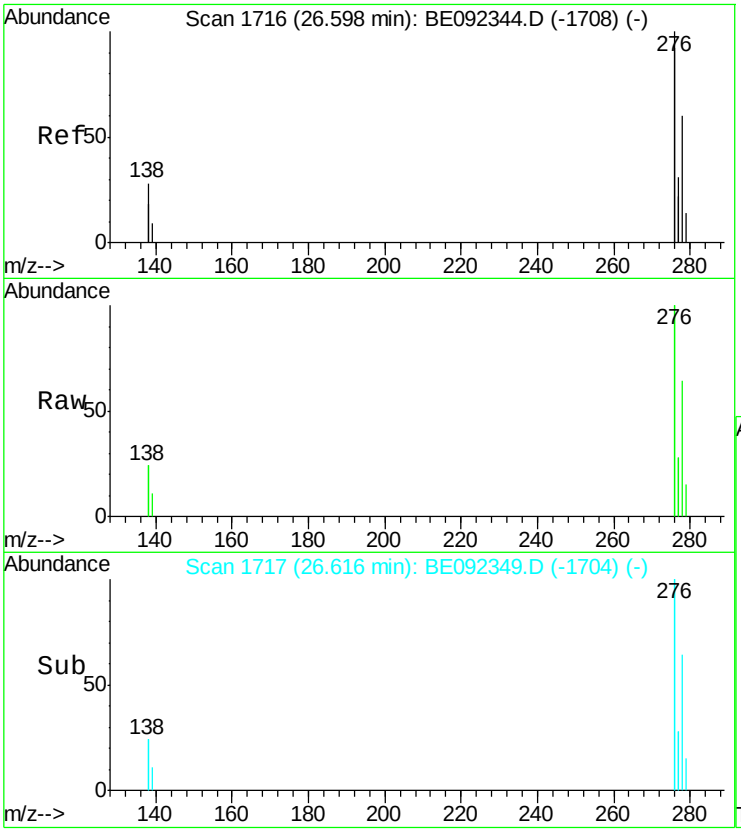


#34
Benzo(a)pyrene
Concen: 10.10 ng
RT: 24.00 min Scan# 1536
Delta R.T. 0.01 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion:252 Resp: 212848

Ion	Ratio	Lower	Upper
252	100		
253	21.2	19.0	28.6
125	11.7	11.8	17.8#

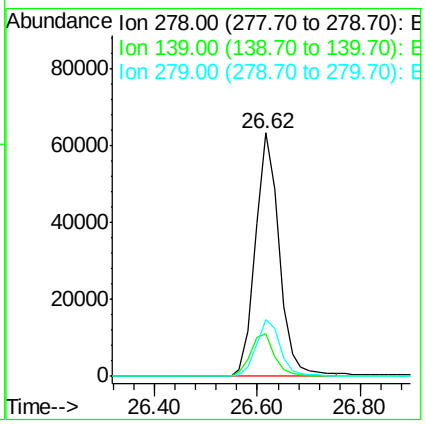




#35
Dibenzo(a,h)anthracene
Concen: 10.32 ng
RT: 26.62 min Scan# 1717
Delta R.T. 0.02 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion:278 Resp: 200648

Ion	Ratio	Lower	Upper
278	100		
139	17.5	13.8	20.8
279	23.4	21.4	32.2



Instrument :
BNA_E
ClientSampleId :
SSTDICC010

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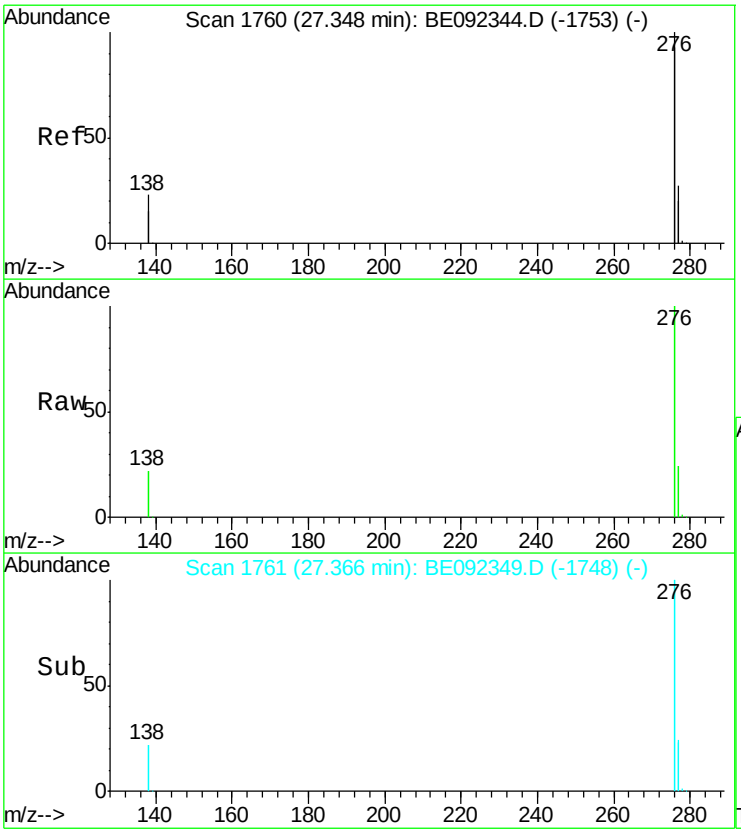

#36
Benzo(g,h,i)perylene
Concen: 10.03 ng
RT: 27.37 min Scan# 1761
Delta R.T. 0.02 min
Lab File: BE092349.D
Acq: 2 Sep 2016 18:39

Tgt Ion:276 Resp: 825453

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.8	29.8
138	22.3	19.8	29.6