Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070217\
Data File : BE093416.D
Acq On : 2 Jul 2017 16:29
Operator : SJ/JU
Sample : PB100111BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB100111BSD

Manual Integrations APPROVED
mohammad
7/3/2017 4:41:58 PM

Quant Time: Jul 03 06:45:50 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE070217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jul 02 13:43:38 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	4534	0.40	ng		0.00
7) Naphthalene-d8	10.72	136	18651	0.40	ng		0.00
13) Acenaphthene-d10	14.54	164	8416	0.40	ng		0.00
19) Phenanthrene-d10	17.27	188	19943	0.40	ng		0.00
27) Chrysene-d12	21.43	240	24160	0.40	ng		0.00
34) Perylene-d12	23.93	264	25466	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.53	112	4668	0.34	ng		0.00
5) Phenol-d6	7.10	99	6215	0.31	ng		0.00
8) Nitrobenzene-d5	9.08	82	4229	0.35	ng		0.00
11) 2-Methylnaphthalene-d10	12.31	152	8580	0.29	ng		0.00
14) 2,4,6-Tribromophenol	16.03	330	622	0.24	ng		0.00
15) 2-Fluorobiphenyl	13.18	172	12663	0.39	ng		0.00
25) Fluoranthene-d10	19.29	212	72633	0.30	ng		0.00
29) Terphenyl-d14	19.88	244	14376	0.33	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.46	88	2067	0.215	ng	#	29
3) n-Nitrosodimethylamine	3.76	42	1840	0.387	ng	#	97
6) bis(2-Chloroethyl)ether	7.36	93	4668	0.307	ng	#	98
9) Naphthalene	10.77	128	60526	0.310	ng	#	73
10) Hexachlorobutadiene	11.08	225	2388	0.322	ng		100
12) 2-Methylnaphthalene	12.38	142	9684	0.295	ng		96
16) Acenaphthylene	14.26	152	10766	0.307	ng	#	87
17) Acenaphthene	14.60	154	8609	0.335	ng		96
18) Fluorene	15.58	166	10396	0.295	ng	#	86
20) 4-Bromophenyl-phenylether	16.45	248	3934	0.360	ng	#	20
21) Hexachlorobenzene	16.58	284	3970	0.336	ng	#	100
22) Pentachlorophenol	16.91	266	925	0.602	ng	#	80
23) Phenanthrene	17.30	178	23308	0.322	ng		98
24) Anthracene	17.40	178	12521m	0.282	ng		
26) Fluoranthene	19.32	202	20039	0.294	ng		98
28) Pyrene	19.67	202	20013	0.295	ng	#	98
30) Benzo(a)anthracene	21.40	228	20964	0.321	ng		93
31) Chrysene	21.46	228	21848	0.320	ng		93
32) Bis(2-ethylhexyl)phthalate	21.33	149	22322	0.238	ng	#	66
33) Indeno(1,2,3-cd)pyrene	26.58	276	29679	0.496	ng		94
35) Benzo(b)fluoranthene	23.17	252	25573	0.311	ng		96
36) Benzo(k)fluoranthene	23.21	252	25168	0.309	ng		97
37) Benzo(a)pyrene	23.82	252	22017	0.306	ng		97
38) Dibenzo(a,h)anthracene	26.60	278	25855	0.370	ng	#	91
39) Benzo(g,h,i)perylene	27.40	276	25644	0.363	ng		91

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

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Misc :
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QLast Update : Sun Jul 02 13:43:38 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
PB100111BSD

Manual Integrations APPROVED
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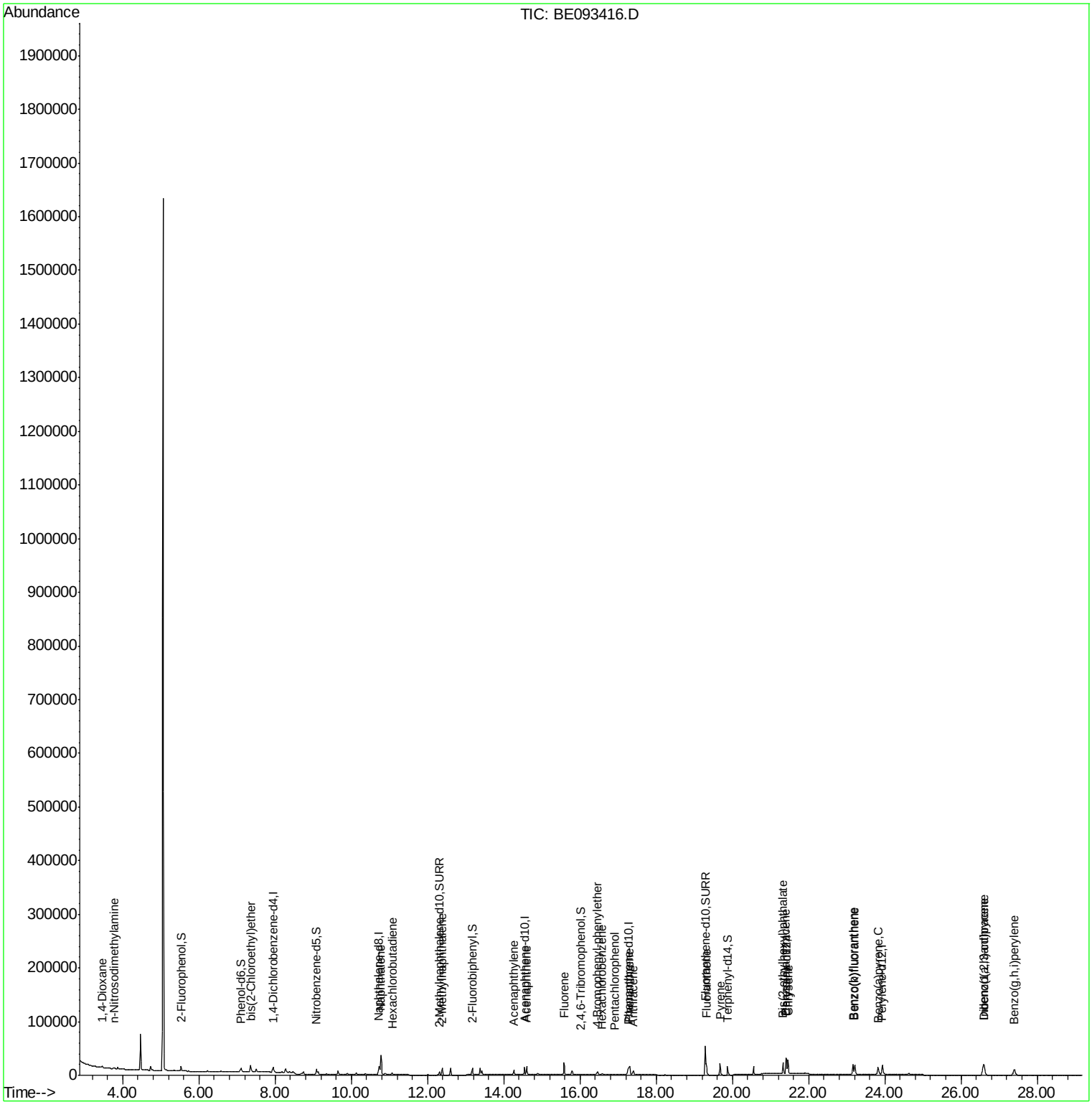
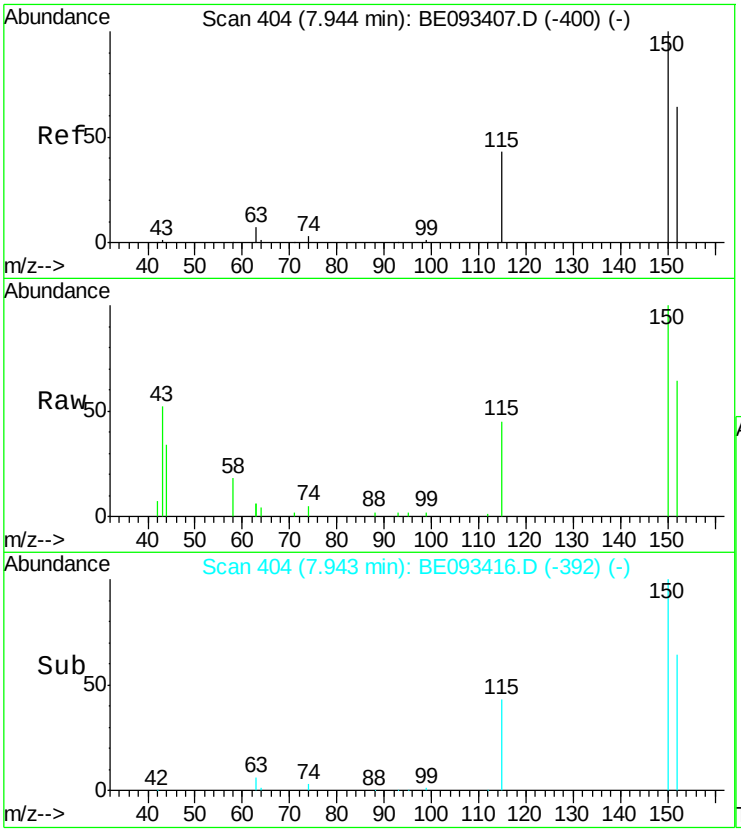
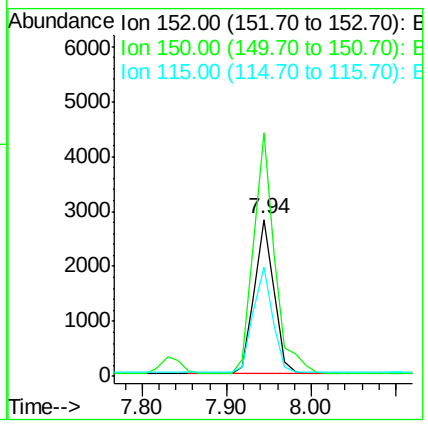




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.94 min Scan# 404
Delta R.T. -0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:152 Resp: 4534

Ion	Ratio	Lower	Upper
152	100		
150	155.5	125.1	187.7
115	69.4	55.7	83.5



Instrument :
BNA_E
ClientSampleId :
PB100111BSD

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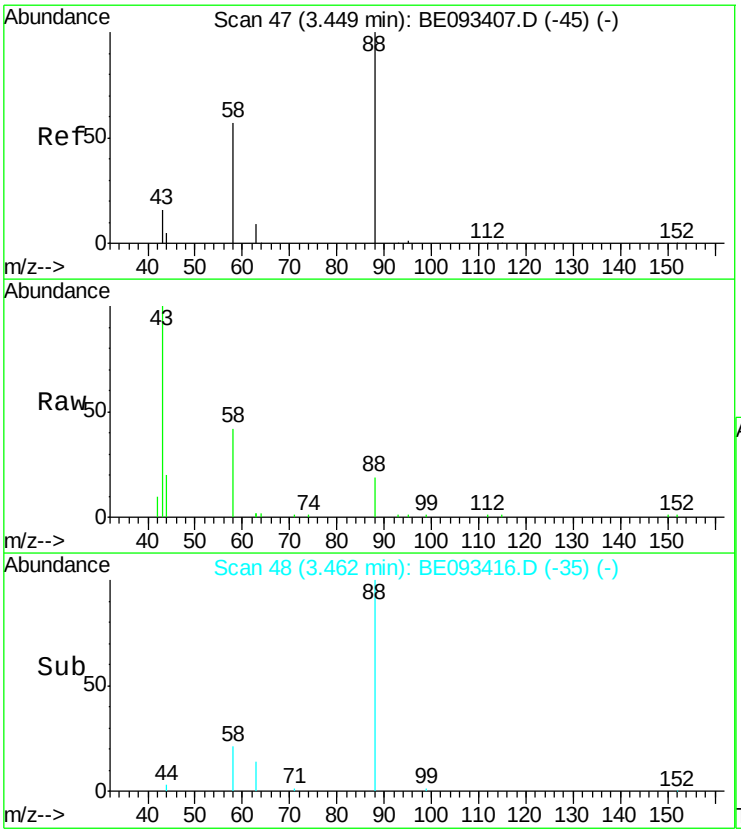
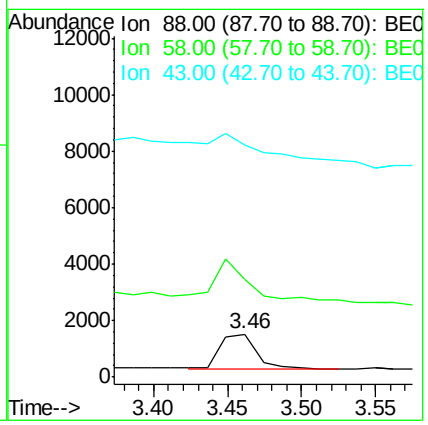
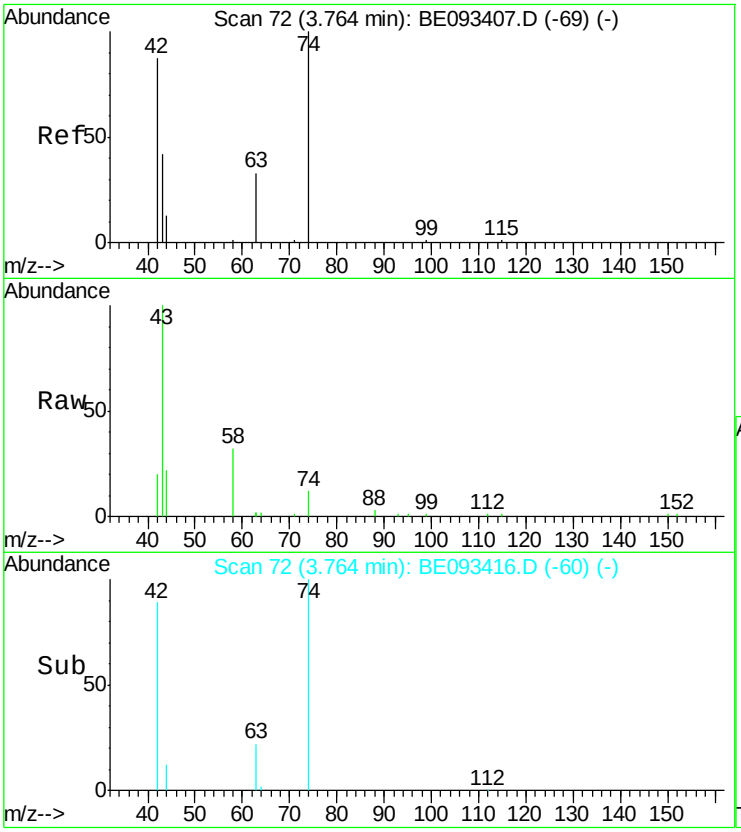


#2
1,4-Dioxane
Concen: 0.215 ng
RT: 3.46 min Scan# 48
Delta R.T. 0.01 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion: 88 Resp: 2067

Ion	Ratio	Lower	Upper
88	100		
58	144.8	62.2	93.4#
43	0.0	23.2	34.8#

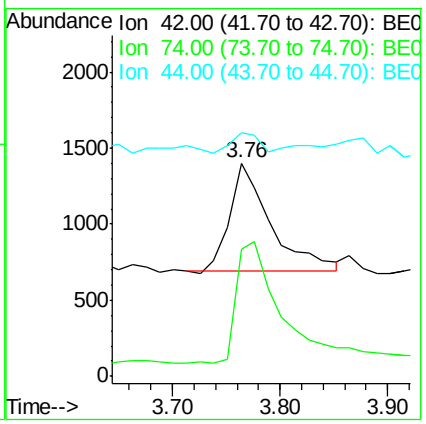




#3
n-Nitrosodimethylamine
Concen: 0.387 ng
RT: 3.76 min Scan# 72
Delta R.T. 0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion: 42 Resp: 1840

Ion	Ratio	Lower	Upper
42	100		
74	127.0	99.1	148.7
44	13.5	7.4	11.2#



Instrument :
BNA_E
ClientSampleId :
PB100111BSD

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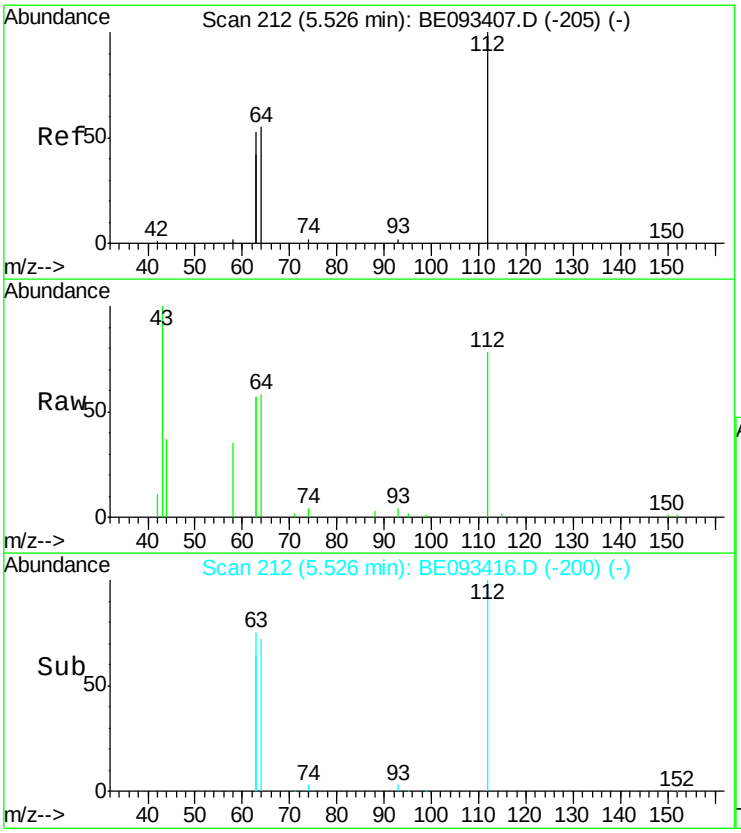
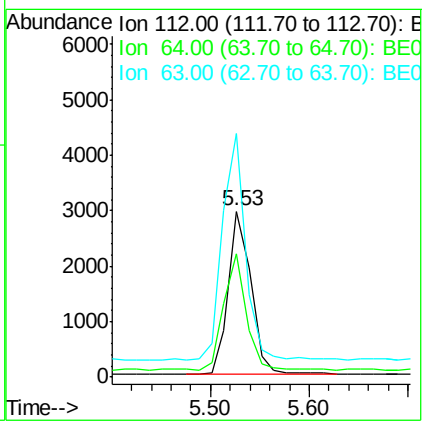
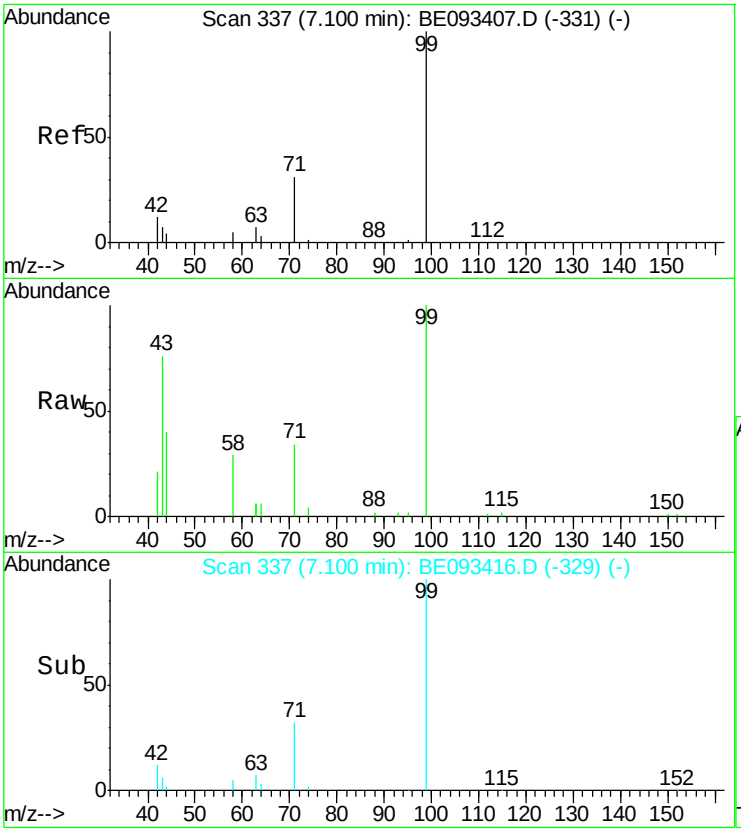


#4
2-Fluorophenol
Concen: 0.341 ng
RT: 5.53 min Scan# 212
Delta R.T. -0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:112 Resp: 4668

Ion	Ratio	Lower	Upper
112	100		
64	71.0	56.4	84.6
63	142.3	29.3	43.9#





#5
Phenol-d6
Concen: 0.308 ng
RT: 7.10 min Scan# 337
Delta R.T. -0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion: 99 Resp: 6215

Ion	Ratio	Lower	Upper
99	100		
42	21.5	0.0	0.0#
71	34.4	0.0	0.0#

Instrument :
BNA_E
ClientSampleId :
PB100111BSD

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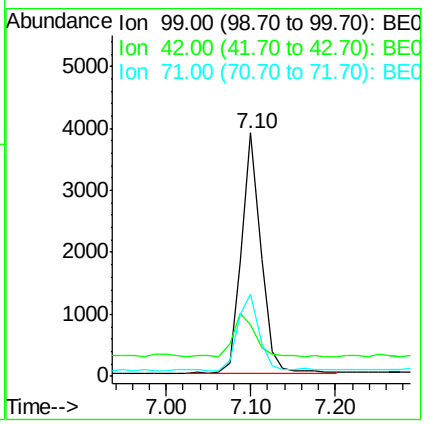
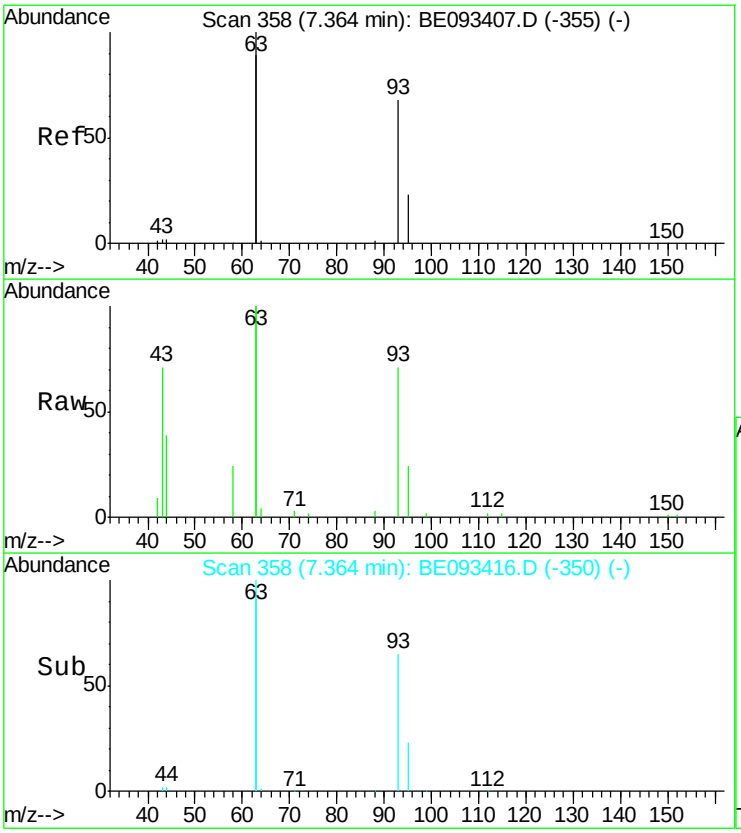
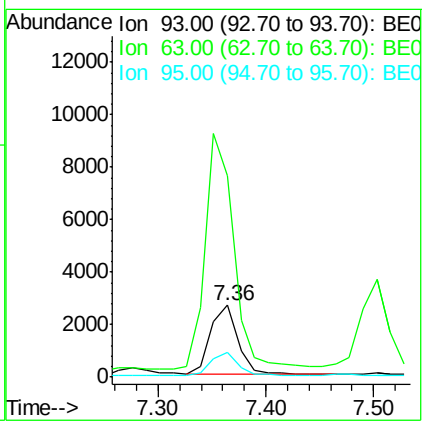


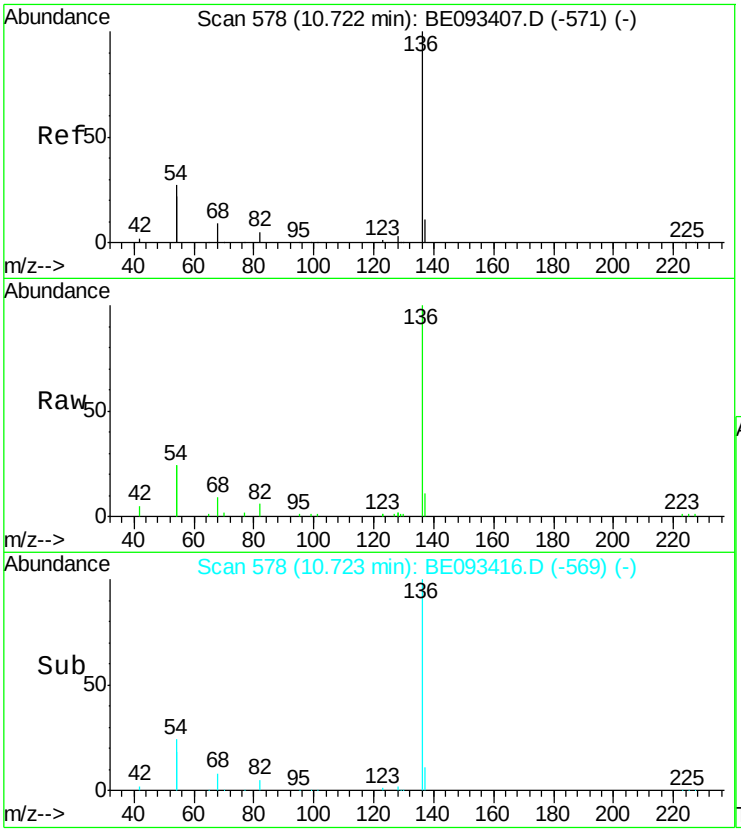


#6
bis(2-Chloroethyl)ether
Concen: 0.307 ng
RT: 7.36 min Scan# 358
Delta R.T. -0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion: 93 Resp: 4668

Ion	Ratio	Lower	Upper
93	100		
63	354.2	0.0	0.0#
95	32.6	25.4	38.0

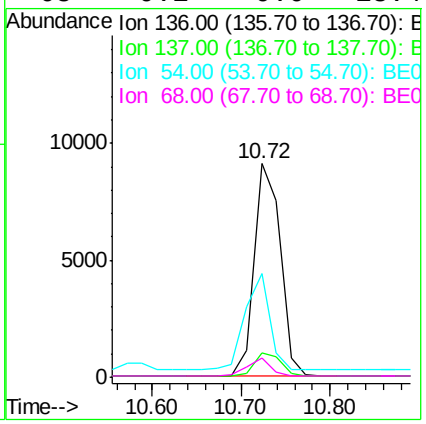




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.72 min Scan# 578
Delta R.T. 0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:136 Resp: 18651

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.8	14.8
54	48.4	10.3	15.5#
68	9.1	9.0	13.4



Instrument :
BNA_E
ClientSampleId :
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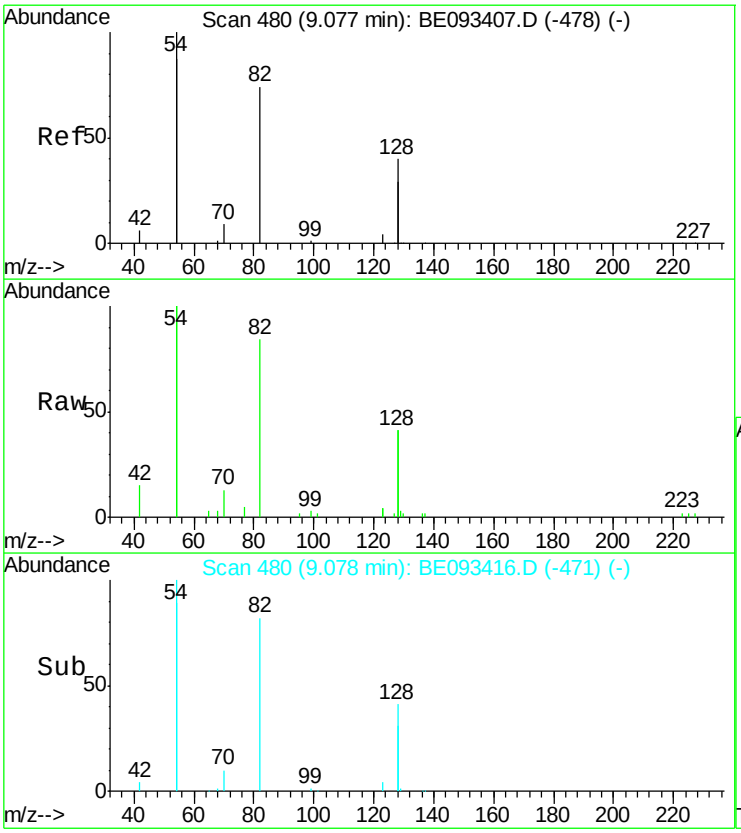
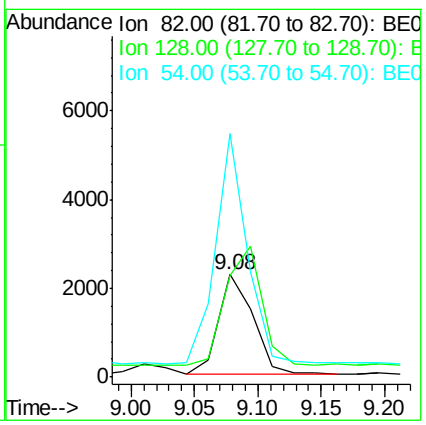
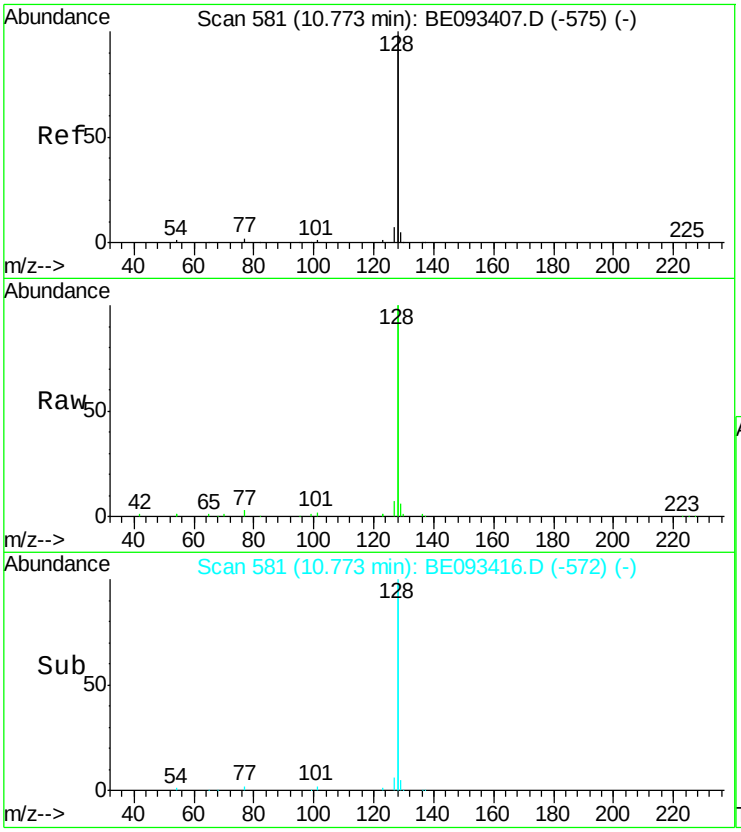


#8
Nitrobenzene-d5
Concen: 0.355 ng
RT: 9.08 min Scan# 480
Delta R.T. 0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion: 82 Resp: 4229

Ion	Ratio	Lower	Upper
82	100		
128	98.4	17.0	25.4#
54	237.6	53.8	80.6#

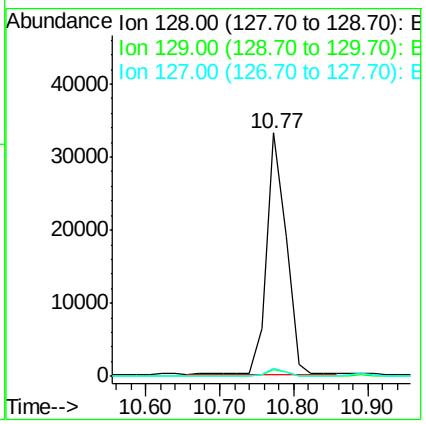




#9
Naphthalene
Concen: 0.310 ng
RT: 10.77 min Scan# 581
Delta R.T. 0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:128 Resp: 60526

Ion	Ratio	Lower	Upper
128	100		
129	2.8	11.4	17.0#
127	3.4	11.2	16.8#



Instrument :
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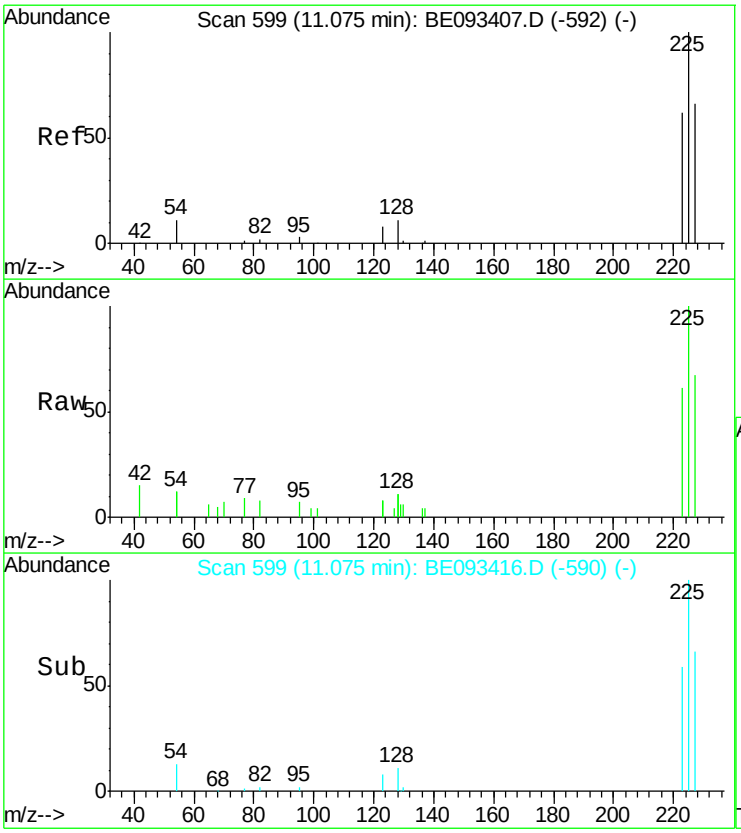
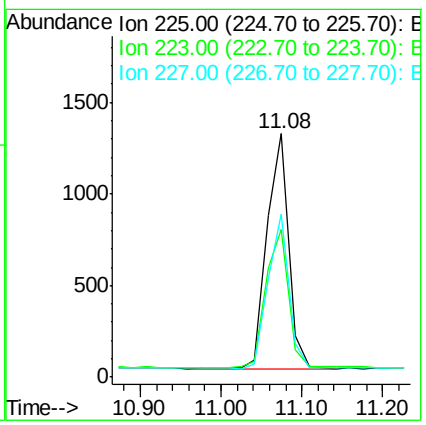
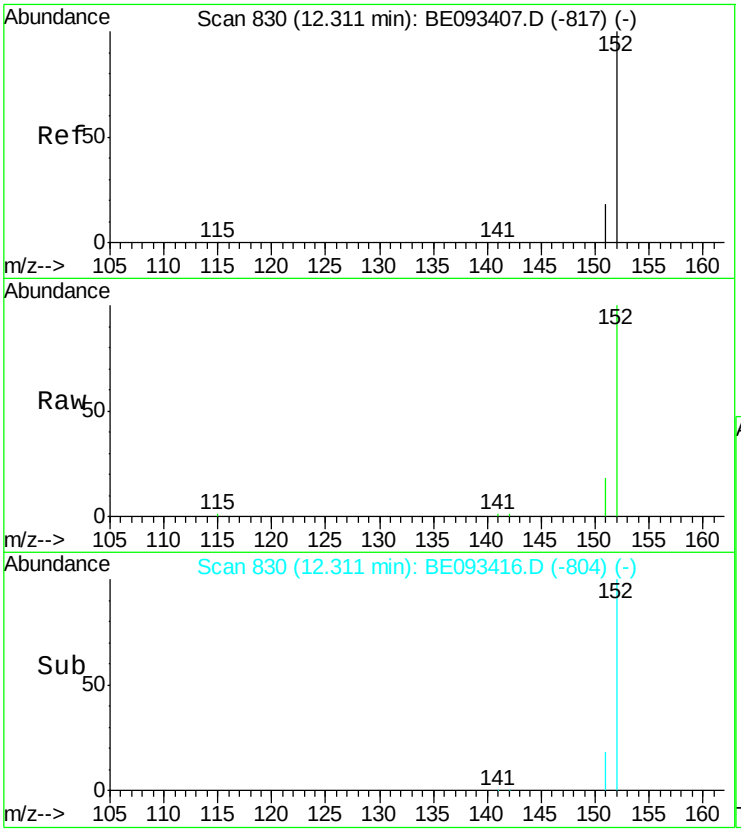


#10
Hexachlorobutadiene
Concen: 0.322 ng
RT: 11.08 min Scan# 599
Delta R.T. 0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:225 Resp: 2388

Ion	Ratio	Lower	Upper
225	100		
223	61.9	49.7	74.5
227	63.1	50.3	75.5

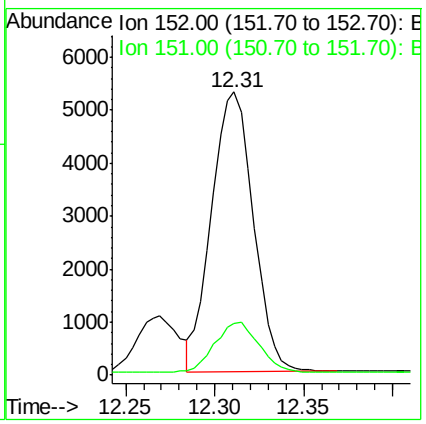




#11
2-Methylnaphthalene-d10
Concen: 0.288 ng
RT: 12.31 min Scan# 830
Delta R.T. -0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:152 Resp: 8580

Ion	Ratio	Lower	Upper
152	100		
151	18.6	15.1	22.7



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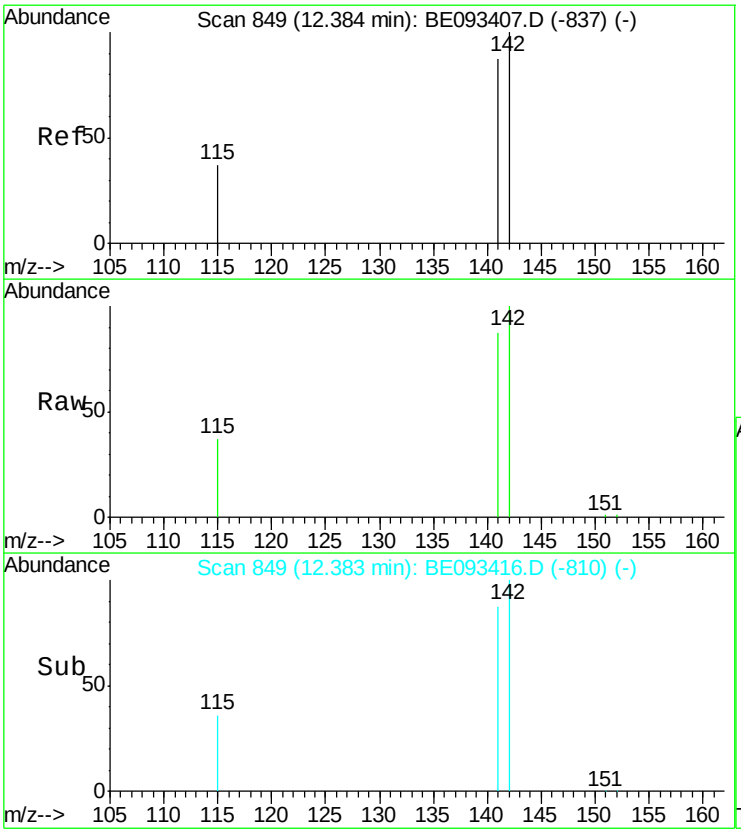
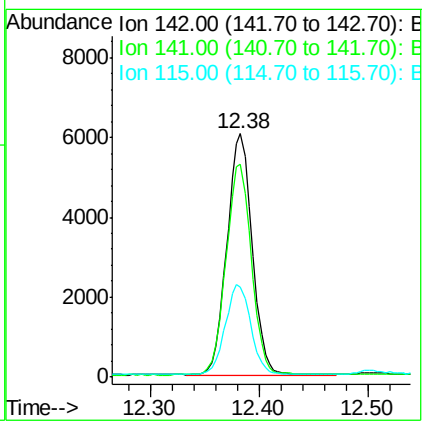
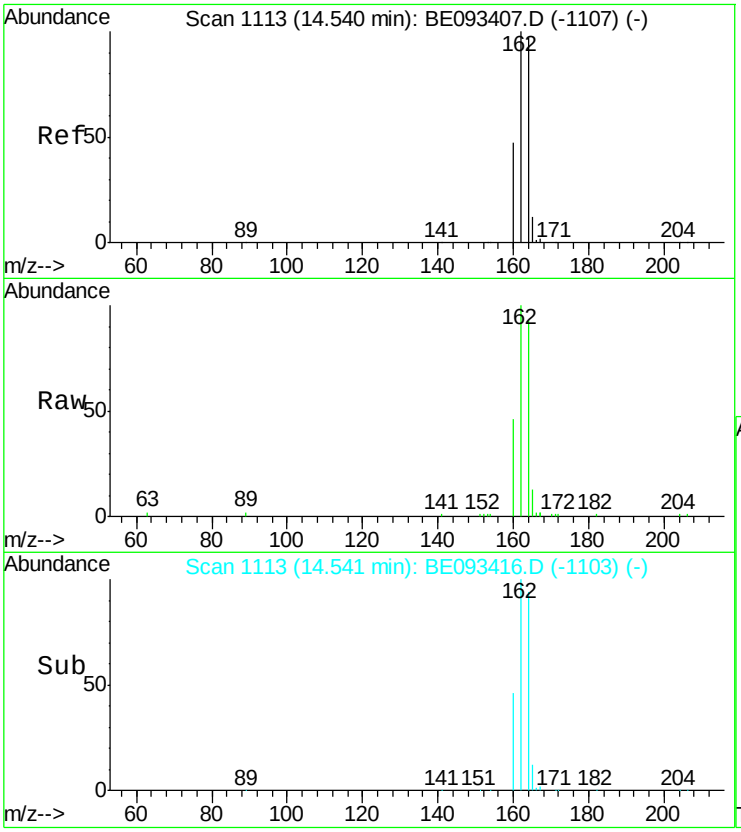


#12
2-Methylnaphthalene
Concen: 0.295 ng
RT: 12.38 min Scan# 849
Delta R.T. -0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:142 Resp: 9684

Ion	Ratio	Lower	Upper
142	100		
141	87.2	72.6	108.8
115	37.0	32.2	48.2

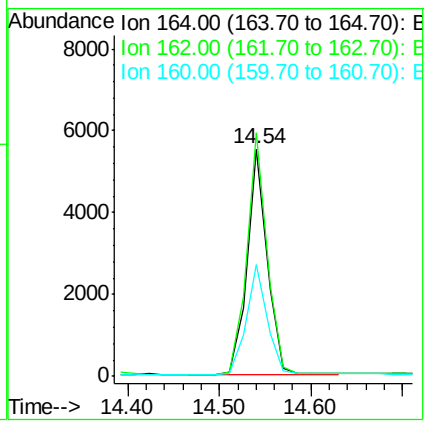




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.54 min Scan# 1113
Delta R.T. 0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:164 Resp: 8416

Ion	Ratio	Lower	Upper
164	100		
162	107.0	84.6	127.0
160	49.2	41.8	62.6



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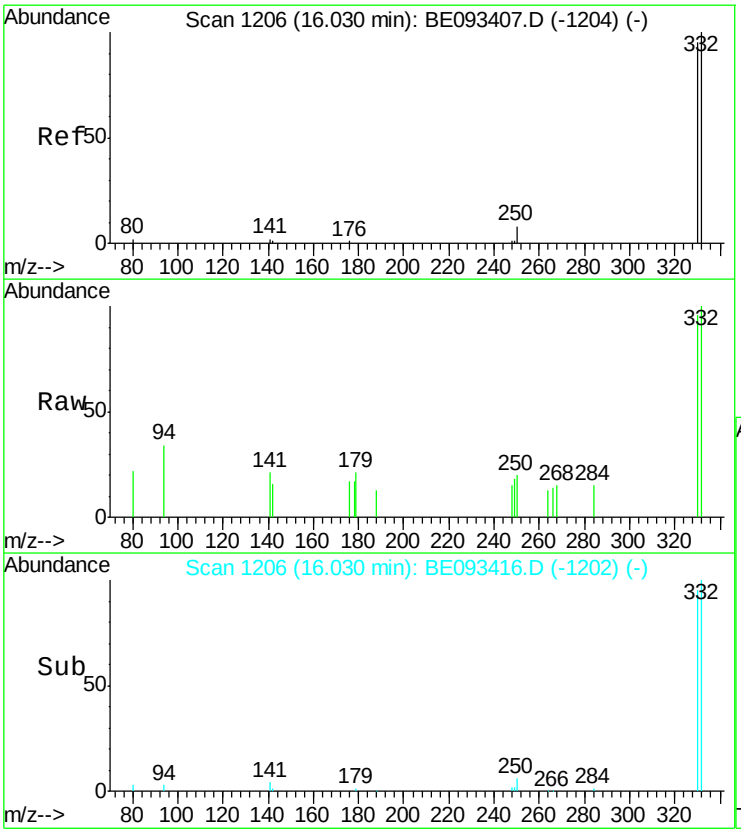
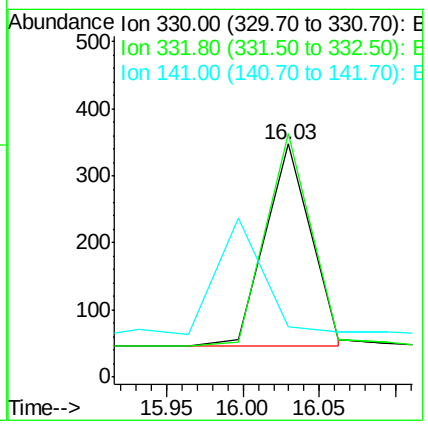
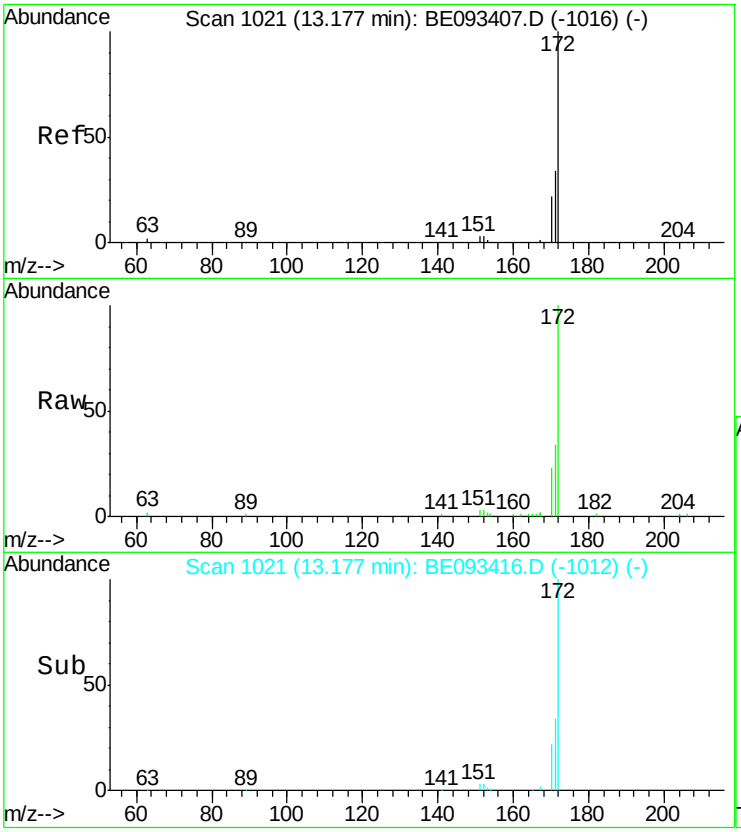


#14
2,4,6-Tribromophenol
Concen: 0.235 ng
RT: 16.03 min Scan# 1206
Delta R.T. -0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:330 Resp: 622

Ion	Ratio	Lower	Upper
330	100		
332	104.7	77.7	116.5
141	0.0	56.2	84.4#

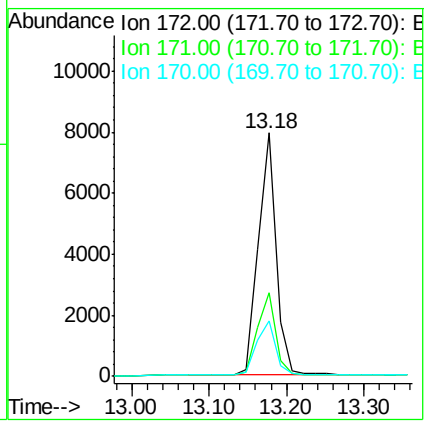




#15
2-Fluorobiphenyl
Concen: 0.388 ng
RT: 13.18 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:172 Resp: 12663

Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.8	44.6
170	22.7	20.7	31.1



Instrument :
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ClientSampleId :
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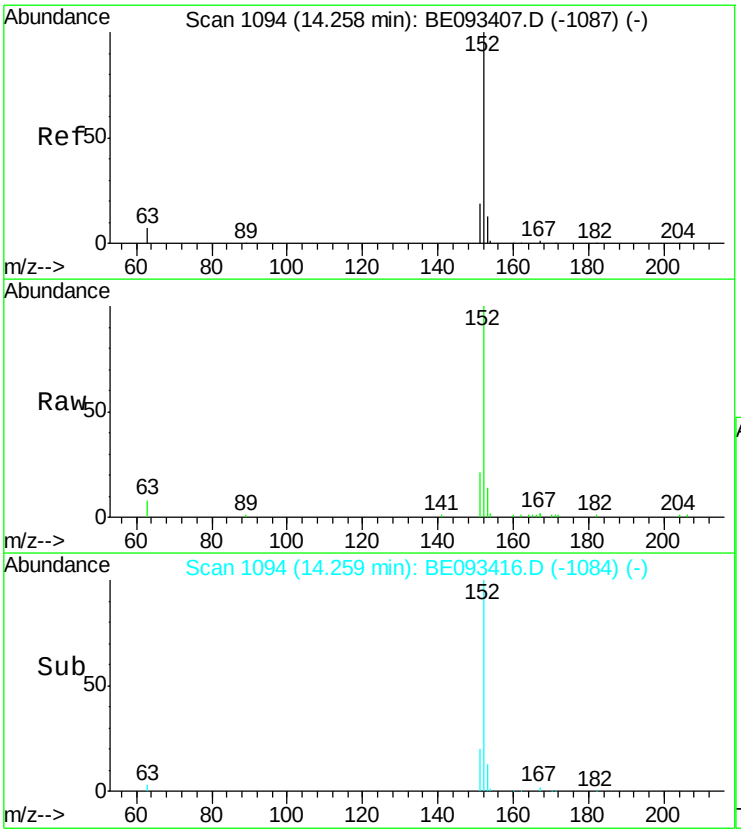
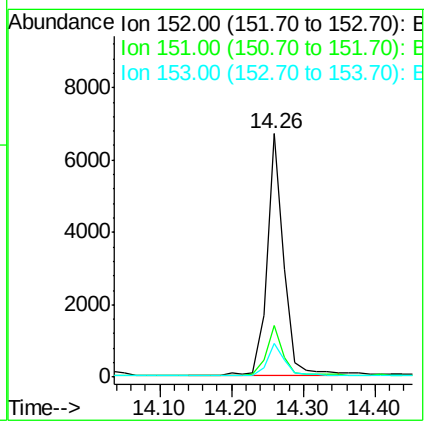
7/3/2017 4:41:58 PM

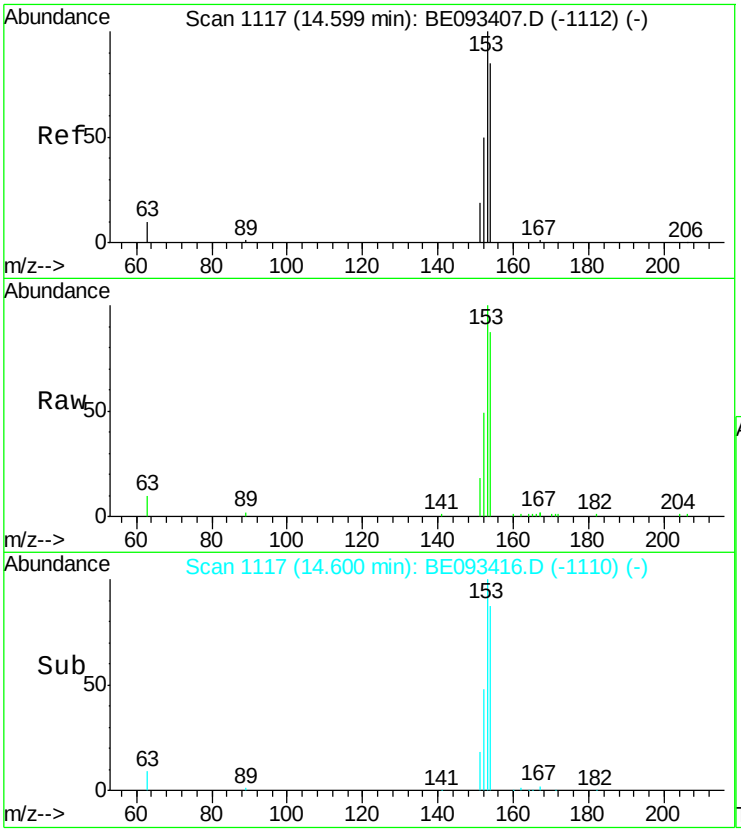


#16
Acenaphthylene
Concen: 0.307 ng
RT: 14.26 min Scan# 1094
Delta R.T. 0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:152 Resp: 10766

Ion	Ratio	Lower	Upper
152	100		
151	20.4	4.0	6.0#
153	13.1	10.3	15.5

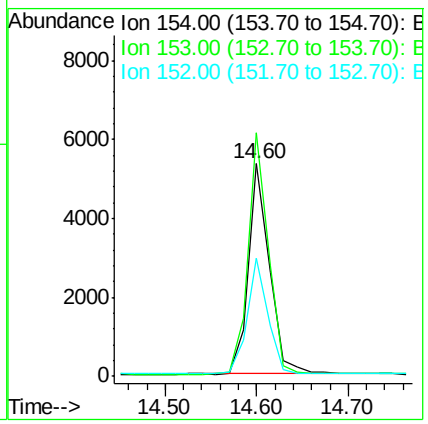




#17
Acenaphthene
Concen: 0.335 ng
RT: 14.60 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:154 Resp: 8609

Ion	Ratio	Lower	Upper
154	100		
153	109.9	91.2	136.8
152	53.4	44.8	67.2



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ClientSampleId :
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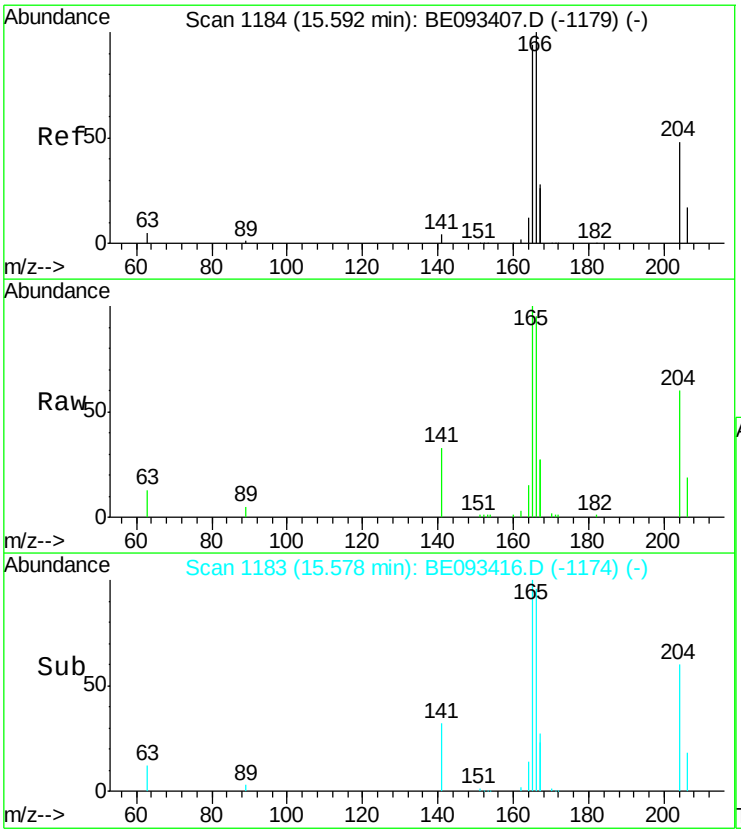
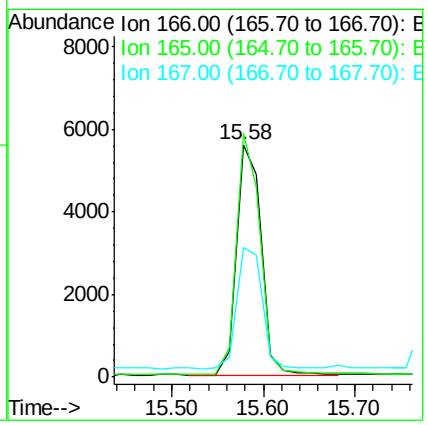
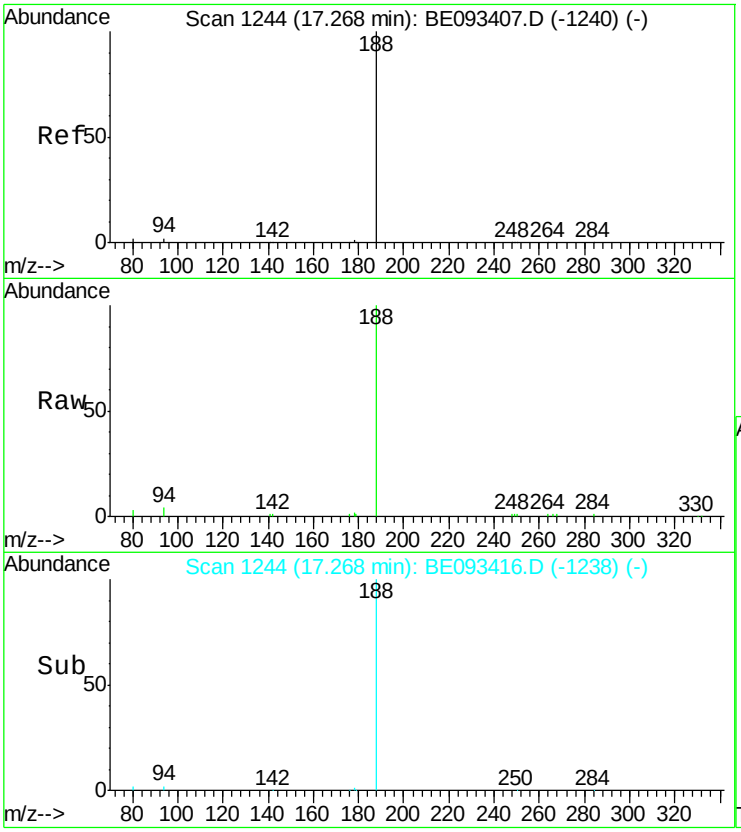


#18
Fluorene
Concen: 0.295 ng
RT: 15.58 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:166 Resp: 10396

Ion	Ratio	Lower	Upper
166	100		
165	100.1	78.6	117.8
167	54.8	11.1	16.7#

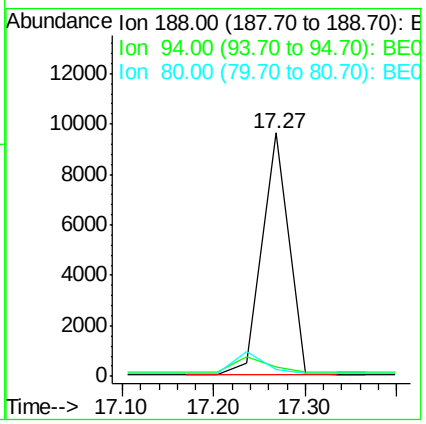




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1244
Delta R.T. -0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:188 Resp: 19943

Ion	Ratio	Lower	Upper
188	100		
94	3.7	11.3	16.9#
80	2.6	11.7	17.5#



Instrument :
BNA_E
ClientSampleId :
PB100111BSD

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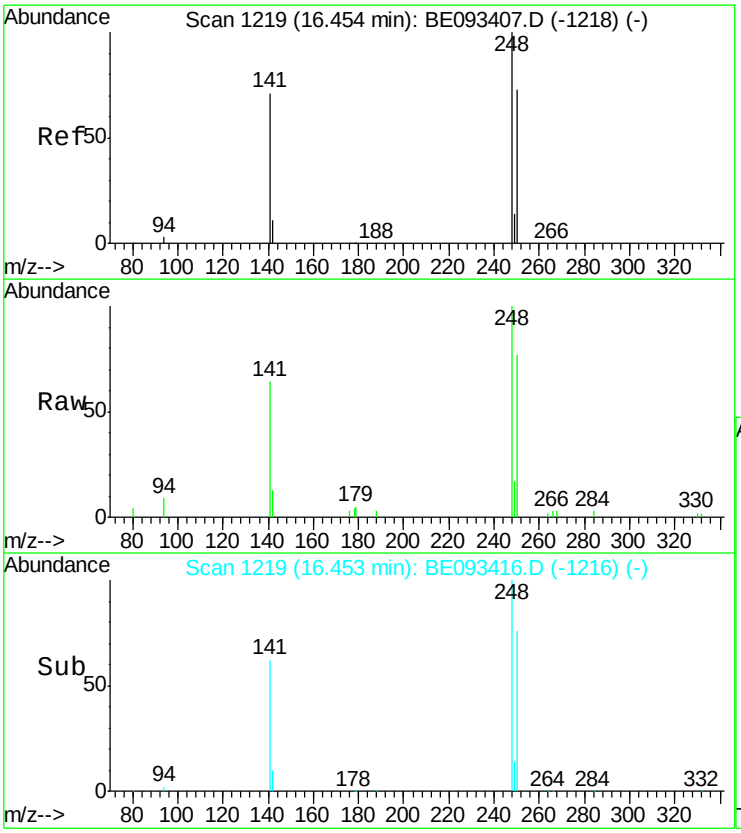
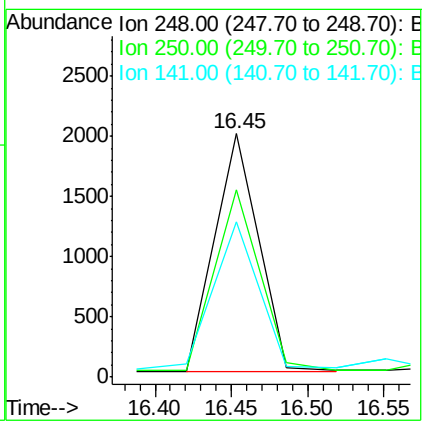
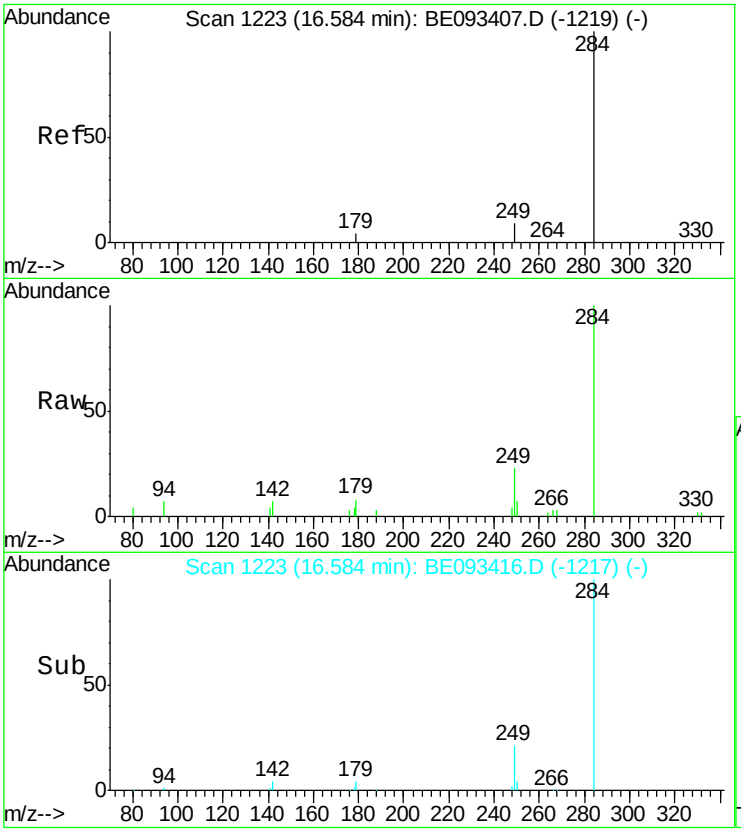


#20
4-Bromophenyl-phenylether
Concen: 0.360 ng
RT: 16.45 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:248 Resp: 3934

Ion	Ratio	Lower	Upper
248	100		
250	76.7	40.8	61.2#
141	64.0	161.6	242.4#

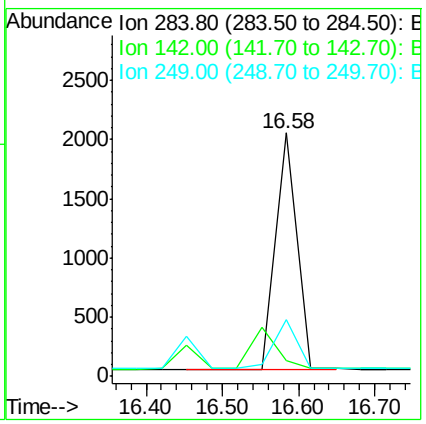




#21
Hexachlorobenzene
Concen: 0.336 ng
RT: 16.58 min Scan# 1223
Delta R.T. -0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:284 Resp: 3970

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	22.2	0.0	0.0#



Instrument :
BNA_E
ClientSampleId :
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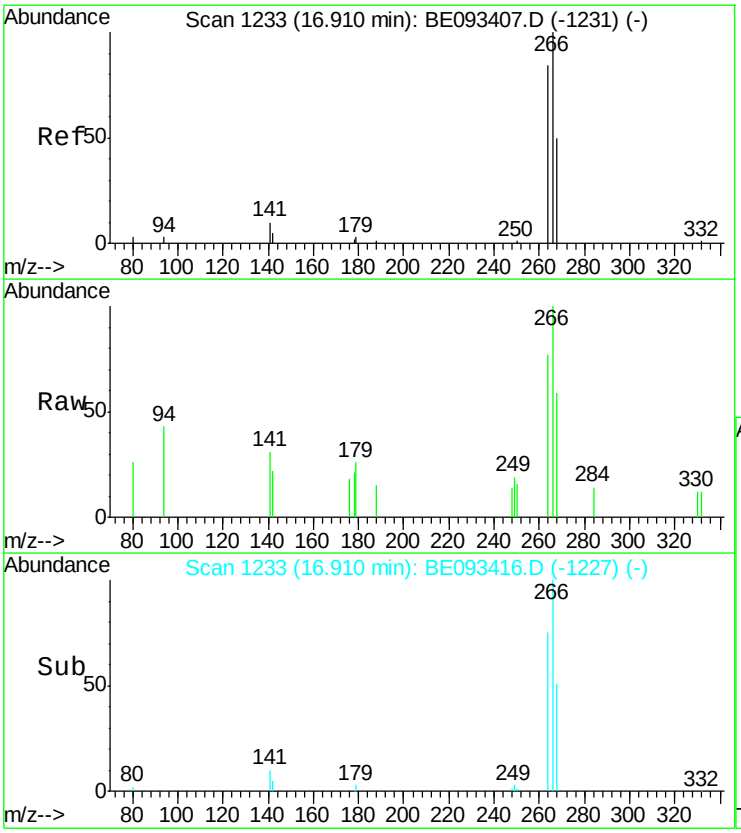
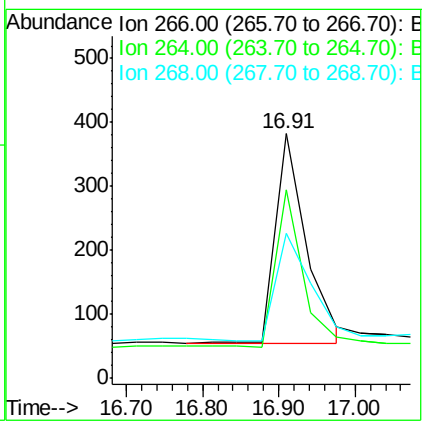
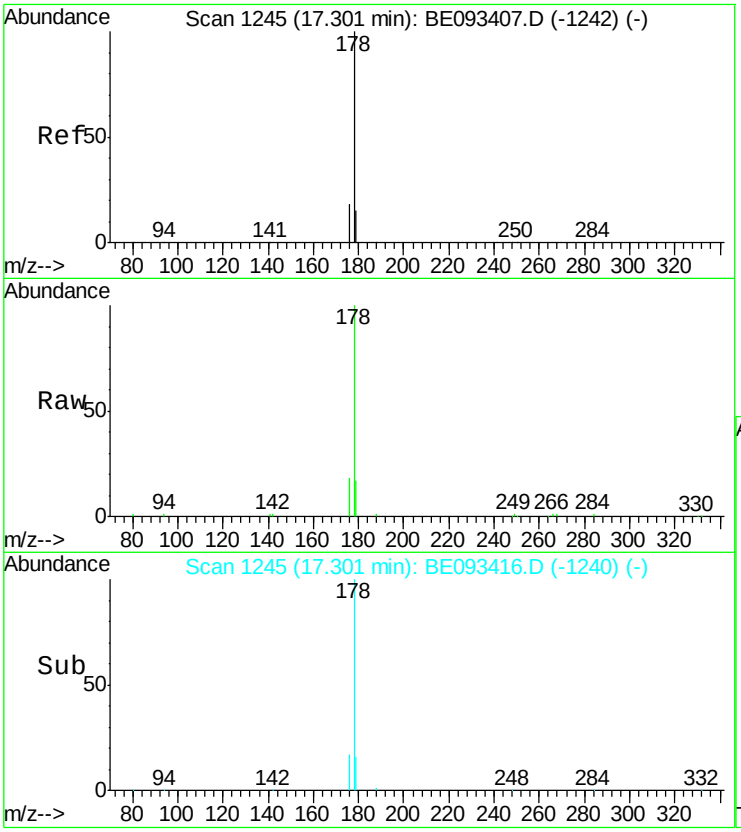


#22
Pentachlorophenol
Concen: 0.602 ng
RT: 16.91 min Scan# 1233
Delta R.T. 0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:266 Resp: 925

Ion	Ratio	Lower	Upper
266	100		
264	77.2	58.2	87.2
268	59.2	71.9	107.9#

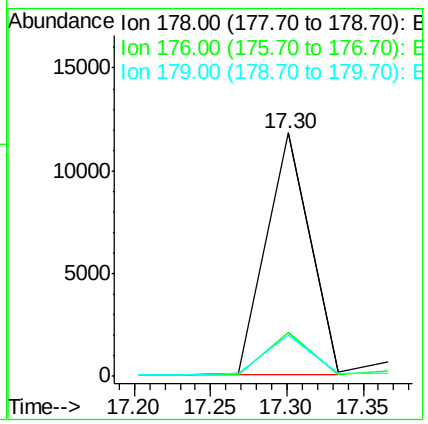




#23
Phenanthrene
Concen: 0.322 ng
RT: 17.30 min Scan# 1245
Delta R.T. -0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:178 Resp: 23308

Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.0	22.4
179	16.3	12.7	19.1



Instrument :
BNA_E
ClientSampleId :
PB100111BSD

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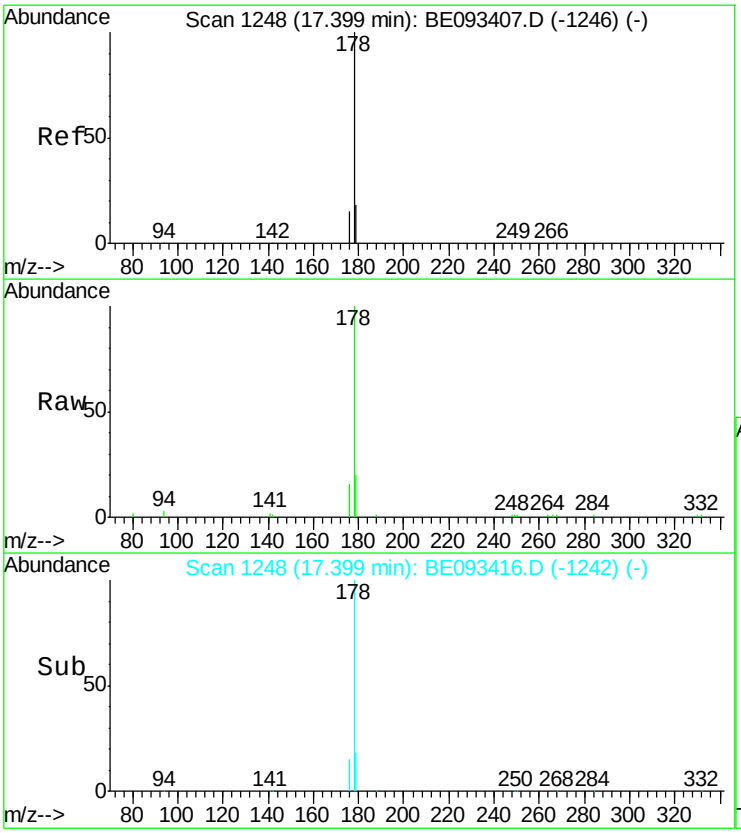
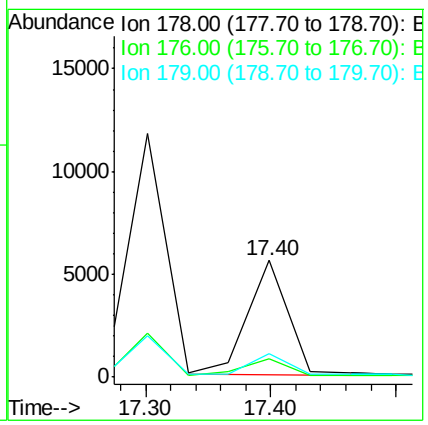
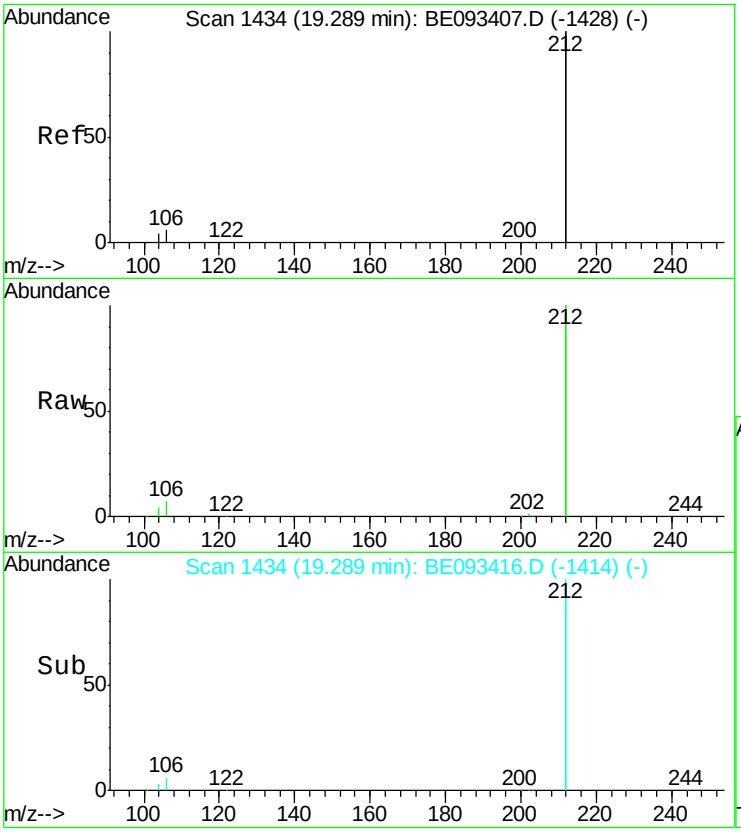


#24
Anthracene
Concen: 0.282 ng m
RT: 17.40 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:178 Resp: 12521

Ion	Ratio	Lower	Upper
178	100		
176	34.0	14.6	22.0#
179	30.0	12.0	18.0#





#25
Fluoranthene-d10
Concen: 0.302 ng
RT: 19.29 min Scan# 1434
Delta R.T. 0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:212 Resp: 72633

Ion	Ratio	Lower	Upper
212	100		
106	3.7	2.4	3.6#
104	2.0	1.6	2.4

Instrument :
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ClientSampleId :
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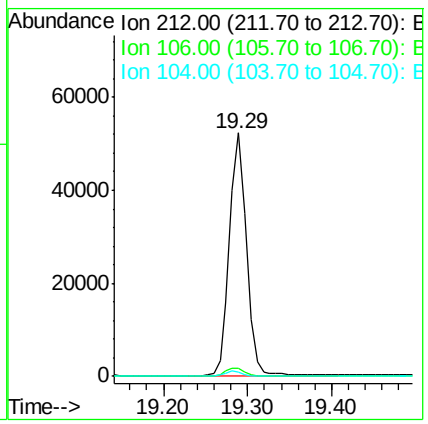
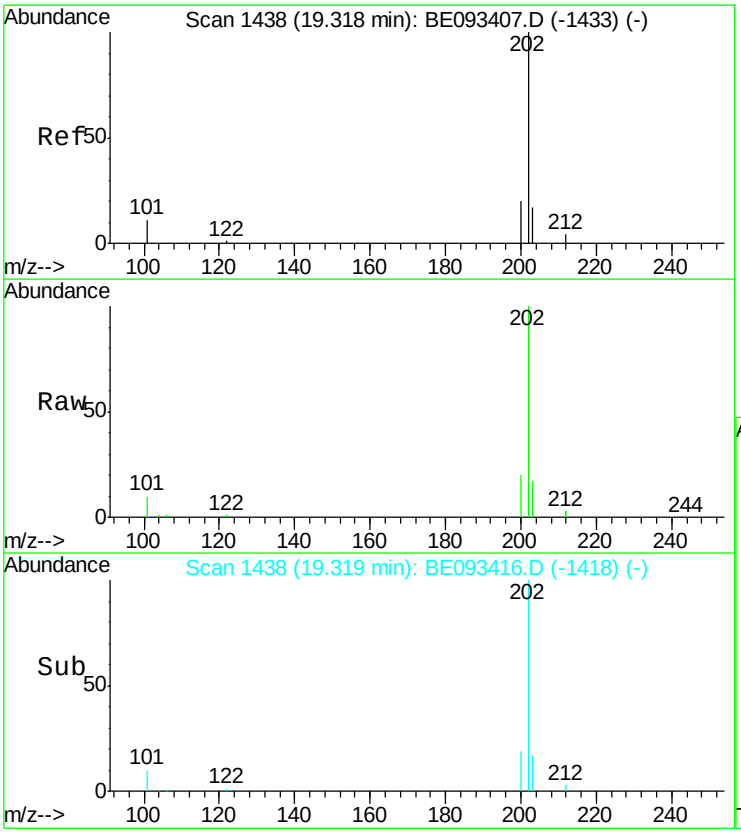
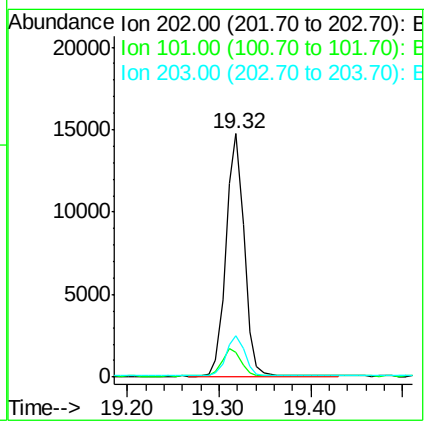


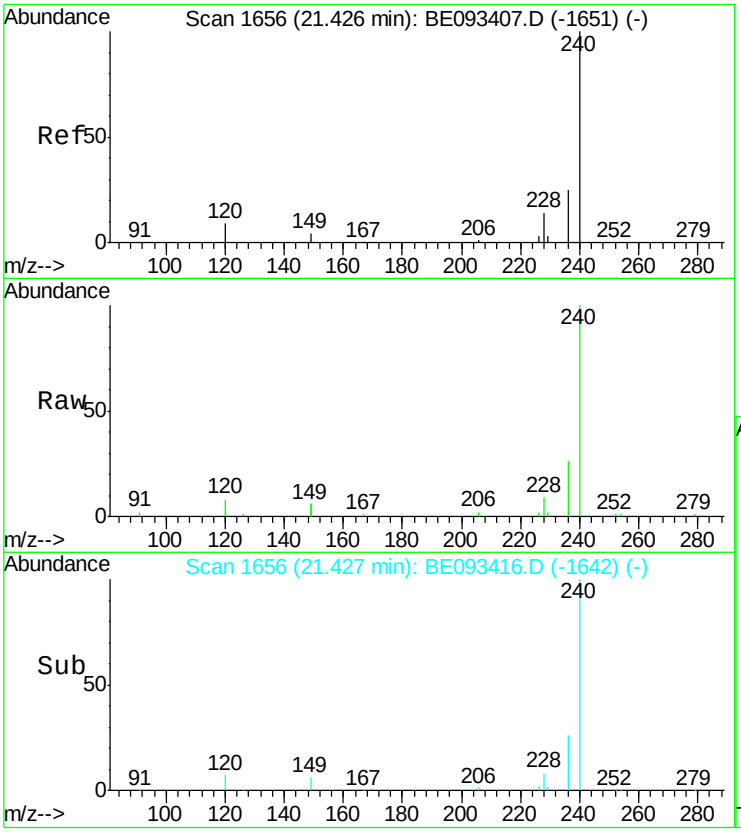


#26
Fluoranthene
Concen: 0.294 ng
RT: 19.32 min Scan# 1438
Delta R.T. 0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:202 Resp: 20039

Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.6	14.4
203	16.7	14.4	21.6





#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.43 min Scan# 1656
Delta R.T. 0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:240 Resp: 24160

Ion	Ratio	Lower	Upper
240	100		
120	8.0	4.6	7.0#
236	26.0	20.8	31.2

Instrument :
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ClientSampleId :
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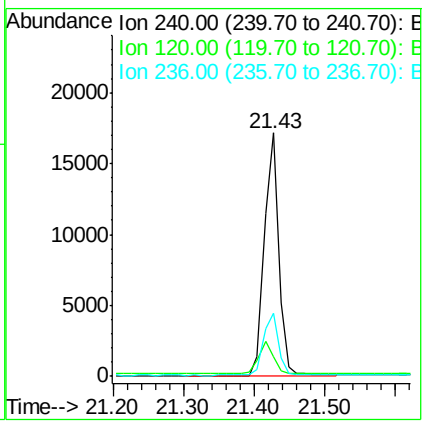
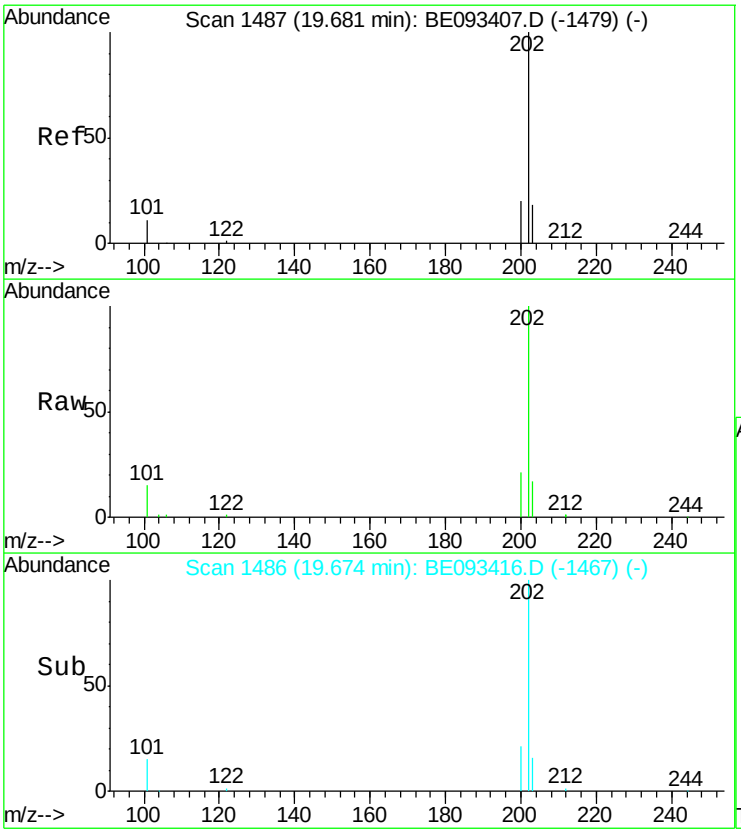
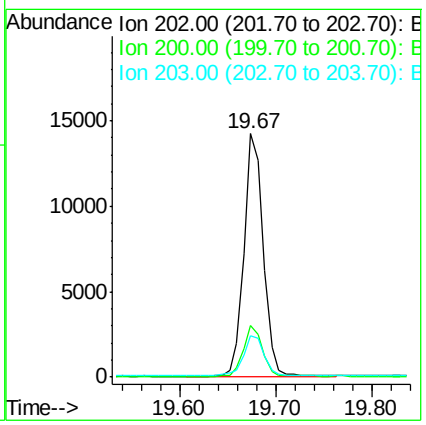


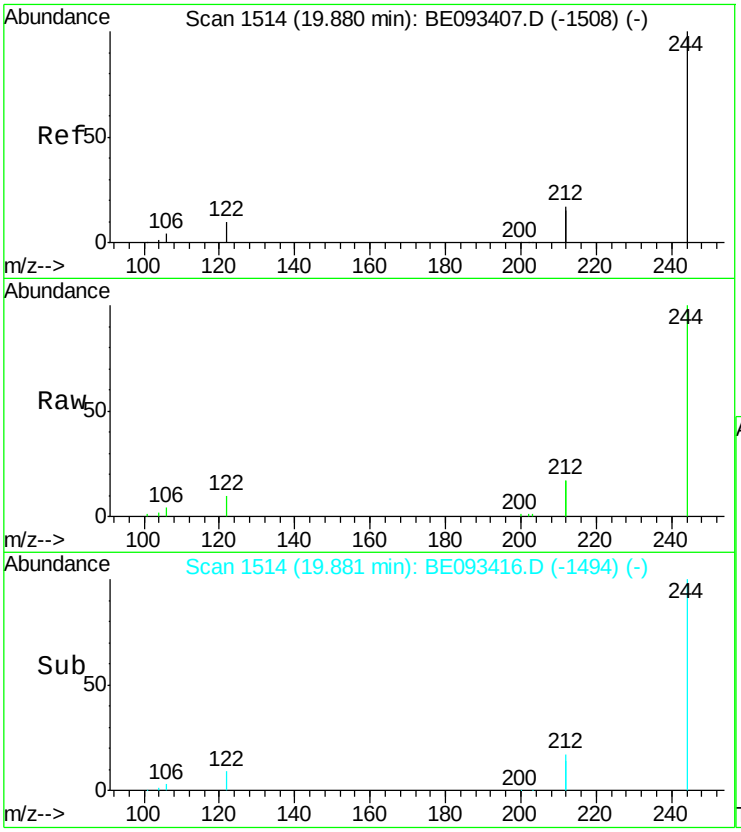


#28
Pyrene
Concen: 0.295 ng
RT: 19.67 min Scan# 1486
Delta R.T. -0.01 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:202 Resp: 20013

Ion	Ratio	Lower	Upper
202	100		
200	20.7	0.0	0.0#
203	17.8	13.7	20.5





#29
Terphenyl-d14
Concen: 0.333 ng
RT: 19.88 min Scan# 1514
Delta R.T. 0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:244 Resp: 14376

Ion	Ratio	Lower	Upper
244	100		
212	33.6	10.6	16.0#
122	9.8	15.4	23.0#

Instrument :
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ClientSampleId :
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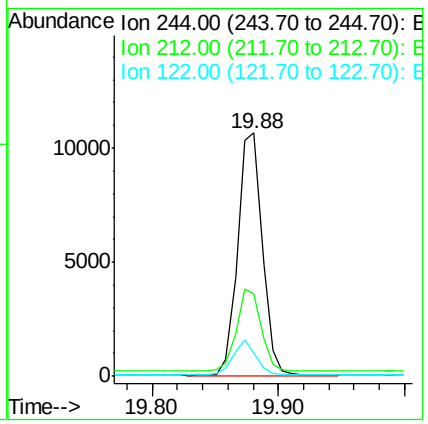
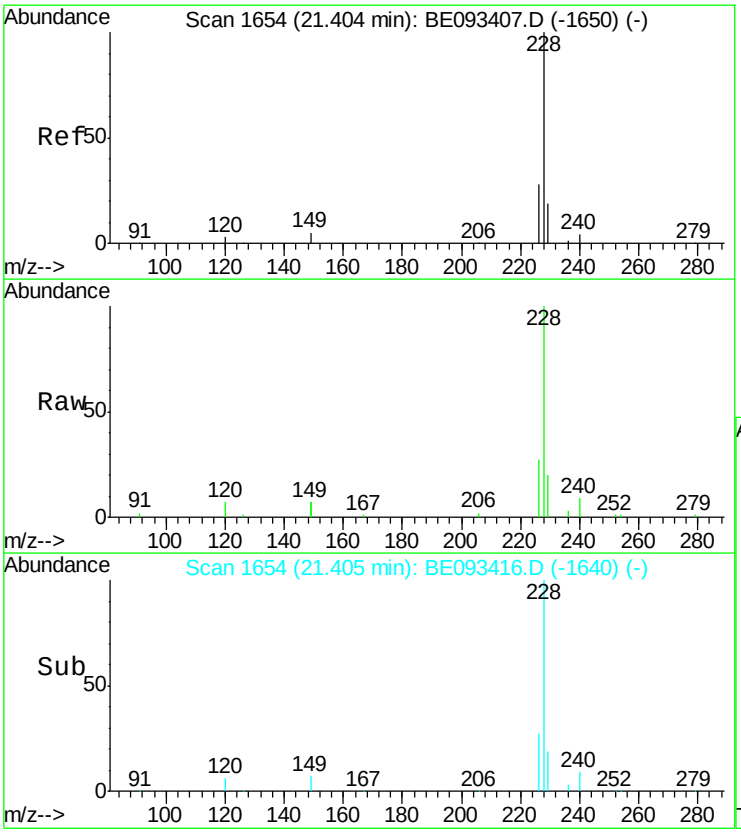
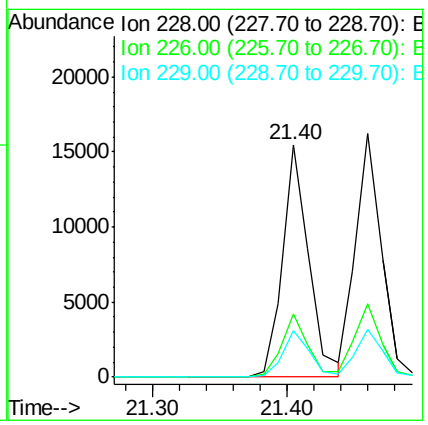


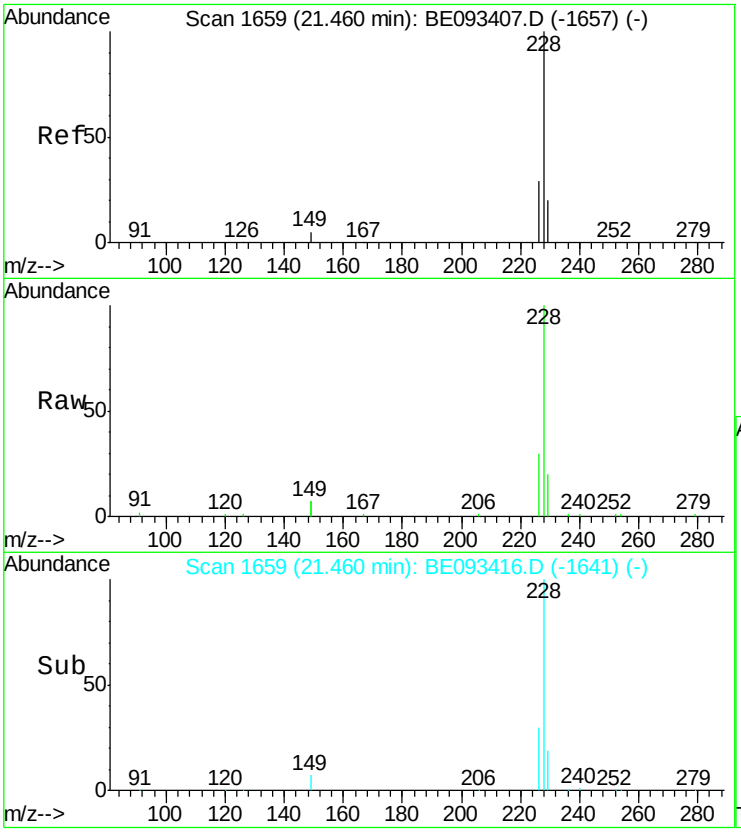


#30
Benzo(a)anthracene
Concen: 0.321 ng
RT: 21.40 min Scan# 1654
Delta R.T. 0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:228 Resp: 20964

Ion	Ratio	Lower	Upper
228	100		
226	27.1	19.7	29.5
229	19.8	19.2	28.8

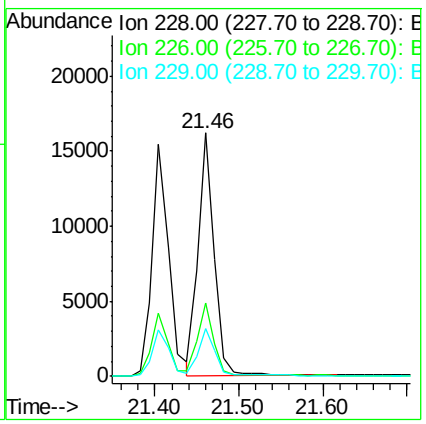




#31
Chrysene
Concen: 0.320 ng
RT: 21.46 min Scan# 1659
Delta R.T. 0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:228 Resp: 21848

Ion	Ratio	Lower	Upper
228	100		
226	30.0	21.5	32.3
229	19.6	18.6	28.0



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ClientSampleId :
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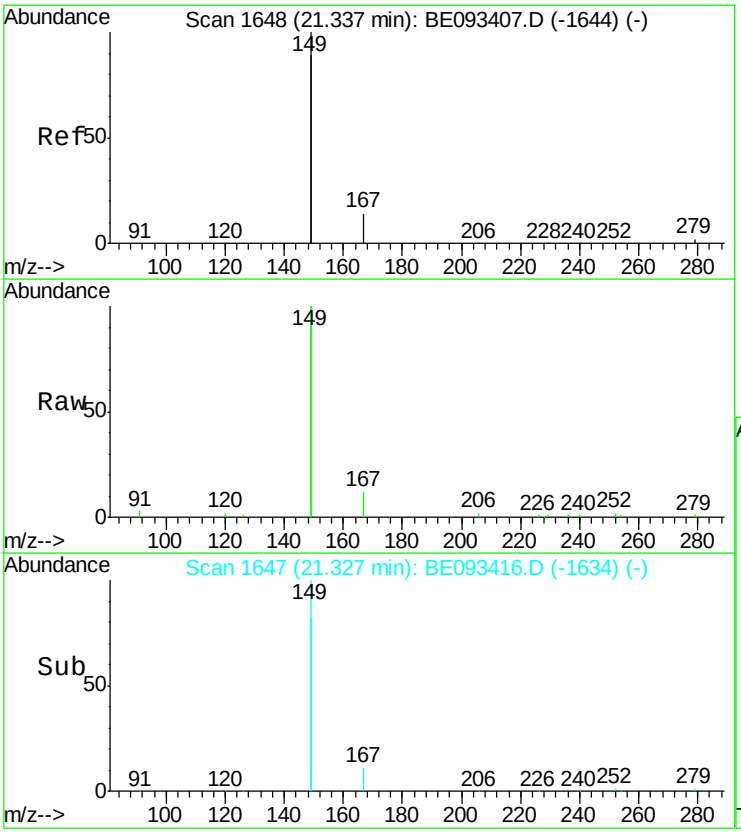
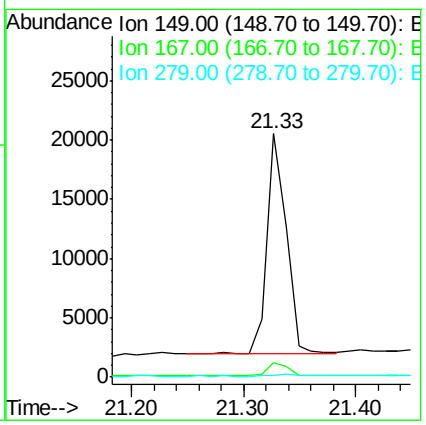
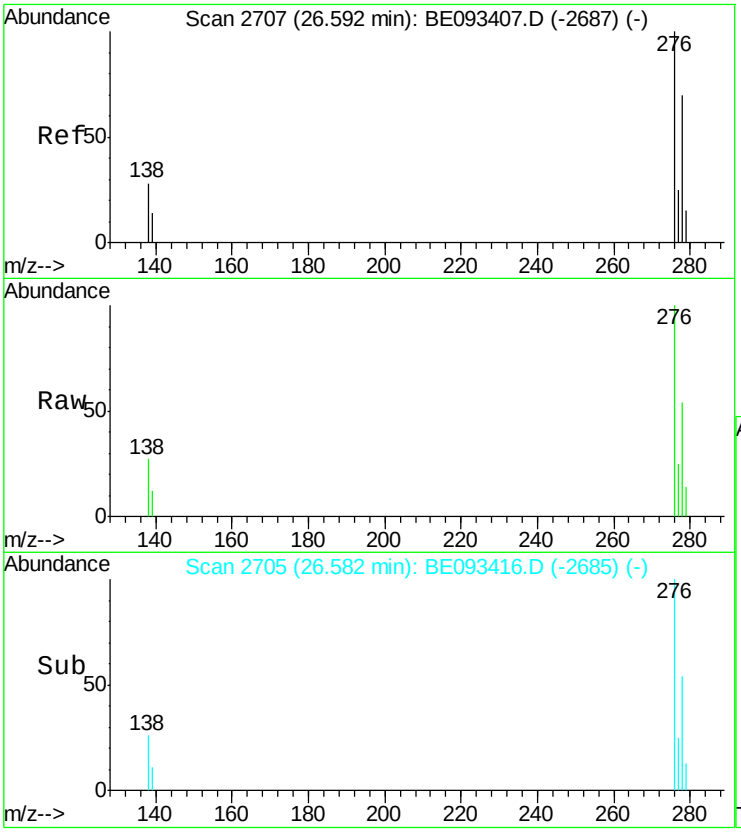


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.238 ng
RT: 21.33 min Scan# 1647
Delta R.T. -0.01 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:149 Resp: 22322

Ion	Ratio	Lower	Upper
149	100		
167	6.4	20.1	30.1#
279	1.0	2.2	3.4#

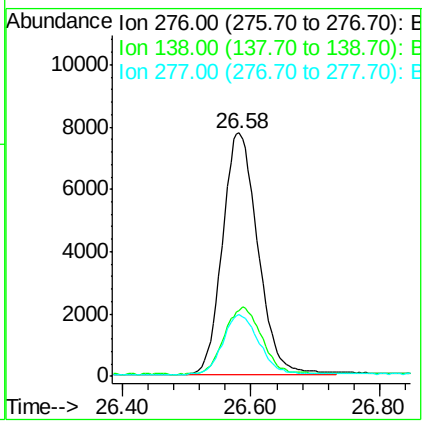




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.496 ng
RT: 26.58 min Scan# 2705
Delta R.T. -0.01 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:276 Resp: 29679

Ion	Ratio	Lower	Upper
276	100		
138	28.7	27.4	41.2
277	24.9	20.1	30.1



Instrument :
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ClientSampleId :
PB100111BSD

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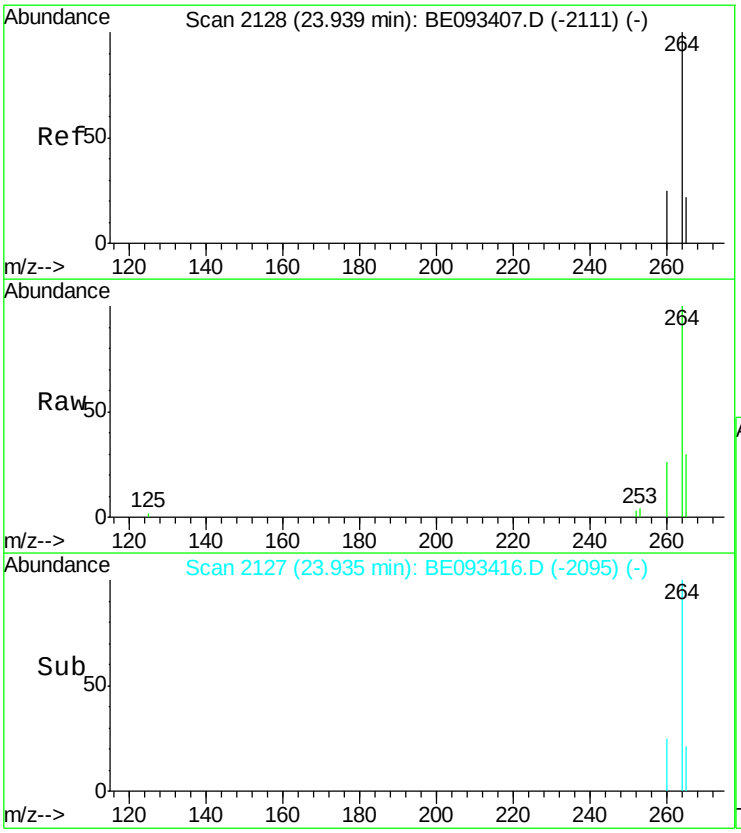
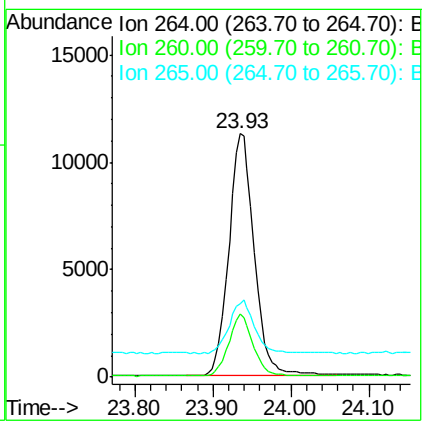
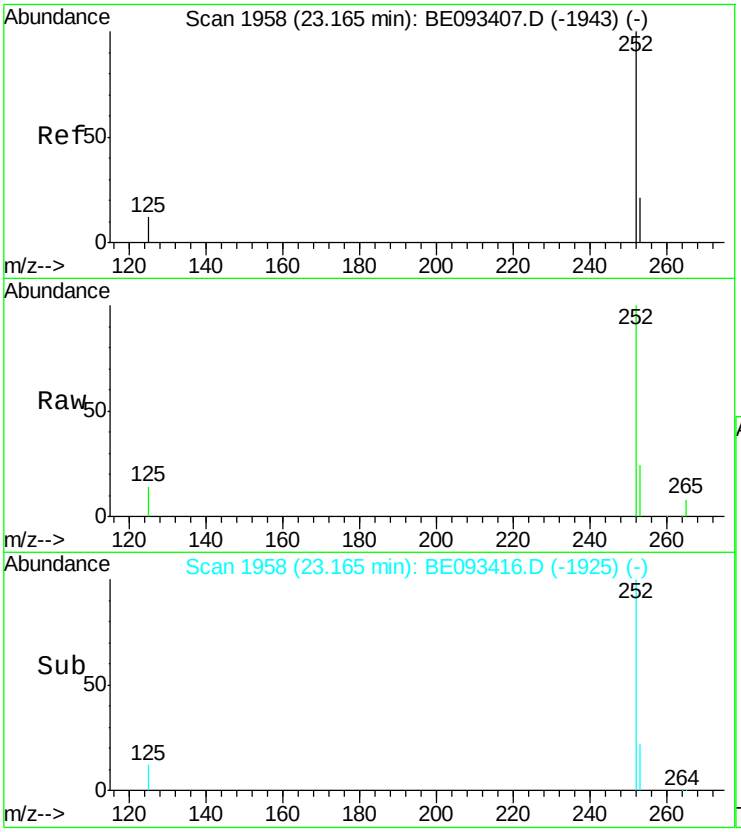


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.93 min Scan# 2127
Delta R.T. -0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:264 Resp: 25466

Ion	Ratio	Lower	Upper
264	100		
260	25.8	21.0	31.4
265	30.4	24.6	36.8

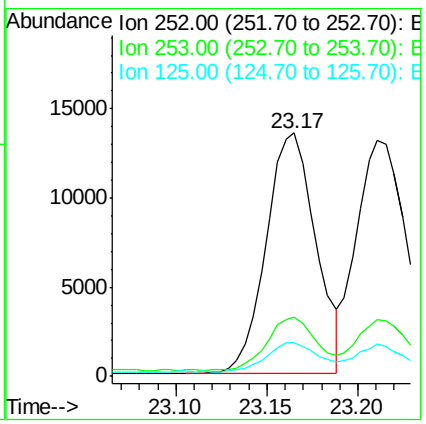




#35
Benzo(b)fluoranthene
Concen: 0.311 ng
RT: 23.17 min Scan# 1958
Delta R.T. 0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:252 Resp: 25573

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.5	27.7
125	13.7	13.4	20.0



Instrument :
BNA_E
ClientSampleId :
PB100111BSD

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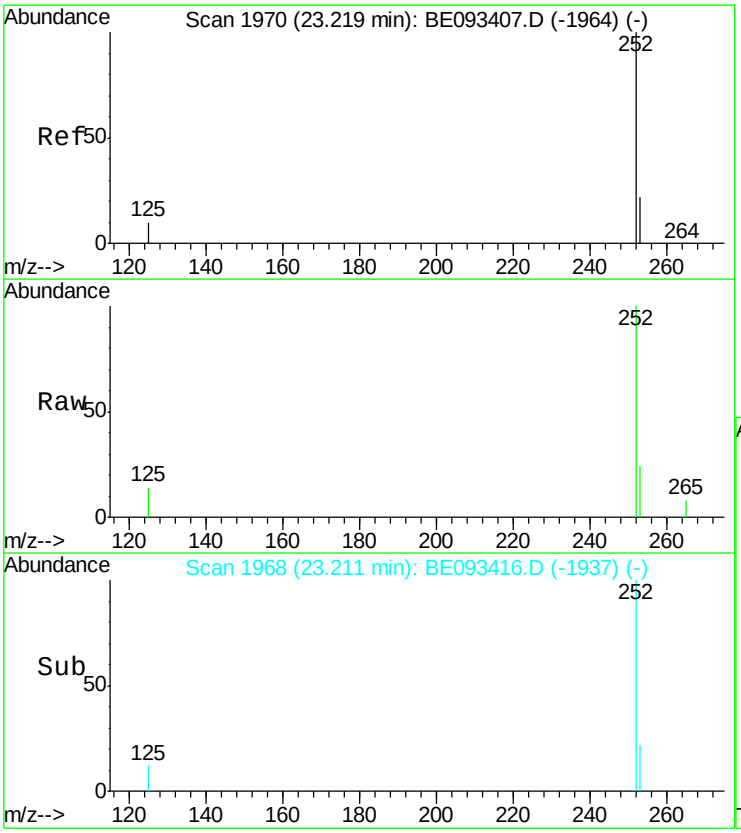
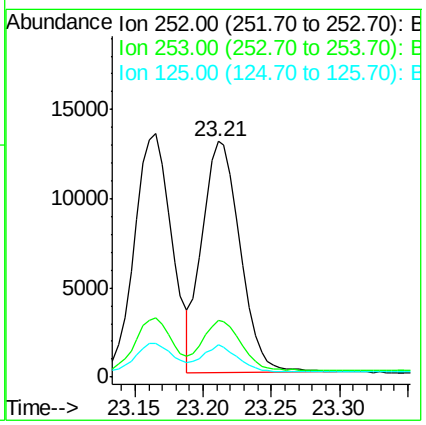
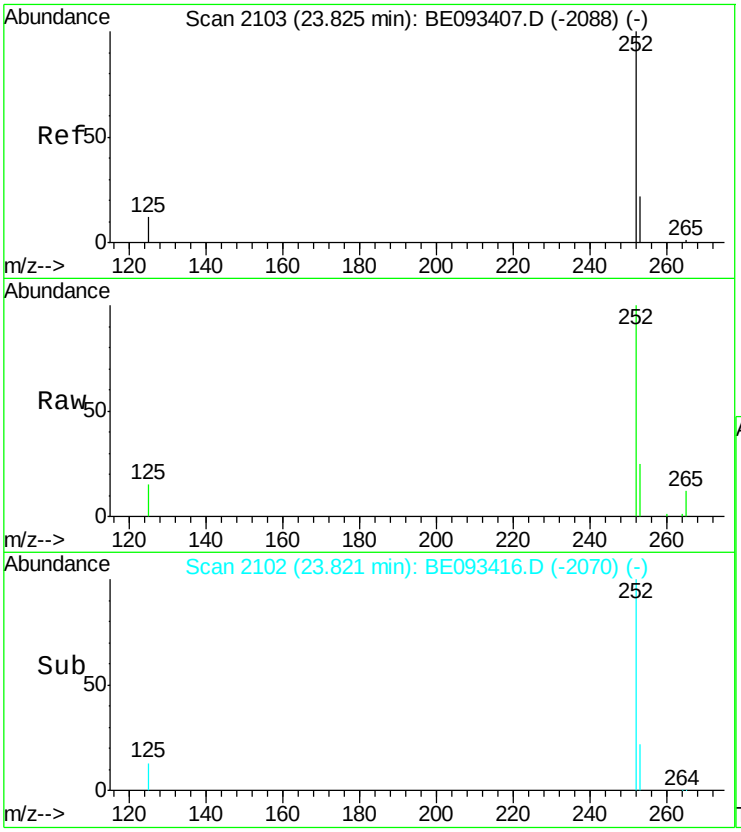


#36
Benzo(k)fluoranthene
Concen: 0.309 ng
RT: 23.21 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:252 Resp: 25168

Ion	Ratio	Lower	Upper
252	100		
253	24.1	20.3	30.5
125	13.5	12.2	18.4

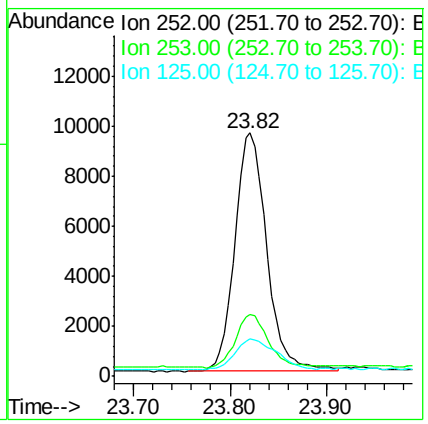




#37
Benzo(a)pyrene
Concen: 0.306 ng
RT: 23.82 min Scan# 2102
Delta R.T. -0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:252 Resp: 22017

Ion	Ratio	Lower	Upper
252	100		
253	25.2	19.9	29.9
125	15.4	14.6	21.8



Instrument :
BNA_E
ClientSampleId :
PB100111BSD

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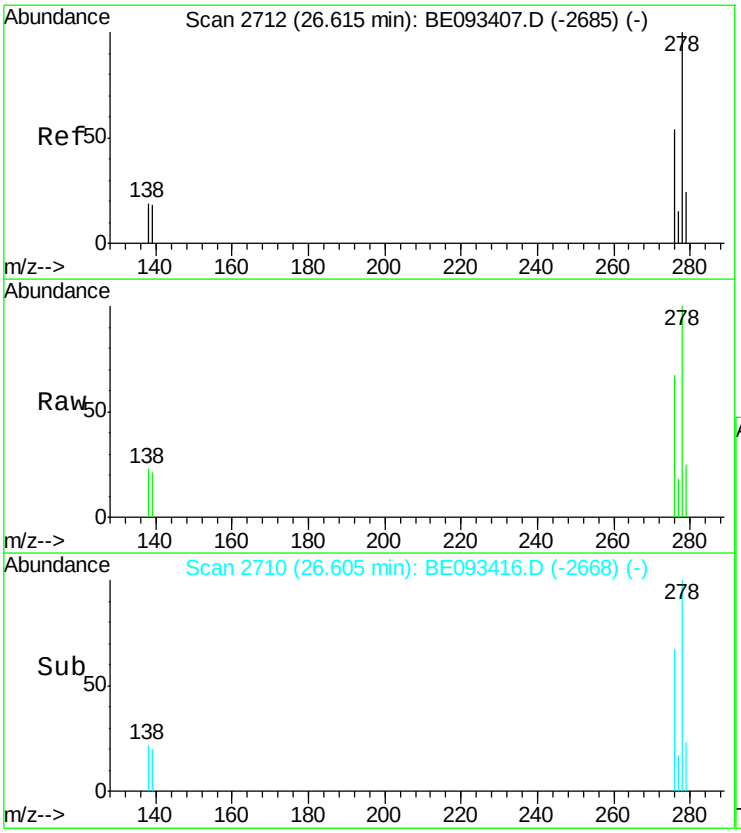
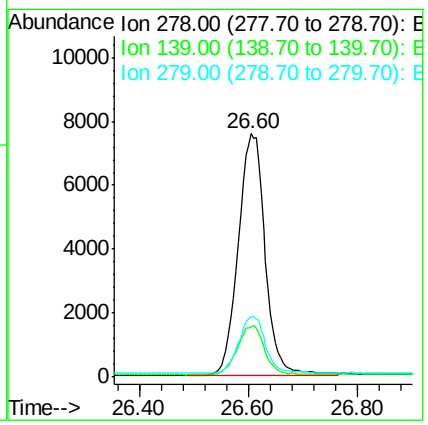
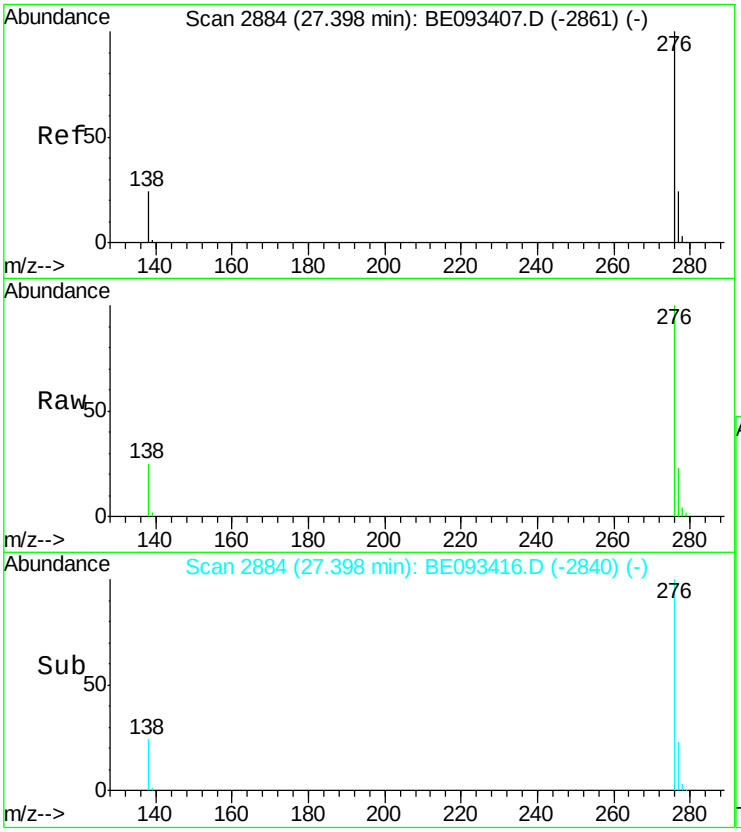


#38
Dibenzo(a,h)anthracene
Concen: 0.370 ng
RT: 26.60 min Scan# 2710
Delta R.T. -0.01 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:278 Resp: 25855

Ion	Ratio	Lower	Upper
278	100		
139	20.6	21.4	32.0#
279	24.7	22.2	33.2

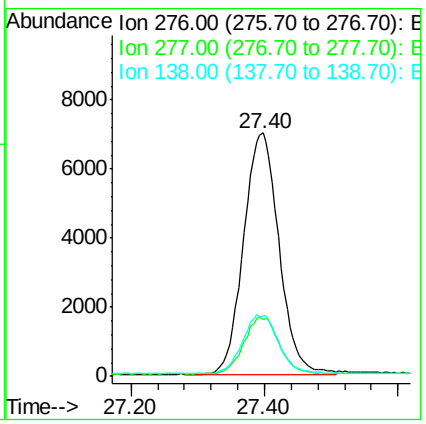




#39
Benzo(g,h,i)perylene
Concen: 0.363 ng
RT: 27.40 min Scan# 2884
Delta R.T. -0.00 min
Lab File: BE093416.D
Acq: 2 Jul 2017 16:29

Tgt Ion:276 Resp: 25644

Ion	Ratio	Lower	Upper
276	100		
277	23.4	21.2	31.8
138	24.8	24.5	36.7



Instrument :
BNA_E
ClientSampleId :
PB100111BSD

Manual Integrations APPROVED
mohammad
7/3/2017 4:41:58 PM