Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE091517\
Data File : BE094015.D
Acq On : 15 Sep 2017 11:01
Operator : SJ/JU
Sample : PB102310BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB102310BS

Manual Integrations APPROVED
Sohil
9/18/2017 3:32:27 PM

Quant Time: Sep 18 14:44:16 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 05 13:34:56 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2569	0.40	ng		0.00
7) Naphthalene-d8	10.71	136	11043	0.40	ng		0.00
13) Acenaphthene-d10	14.52	164	6147	0.40	ng		0.00
19) Phenanthrene-d10	17.27	188	14455	0.40	ng		0.00
27) Chrysene-d12	21.43	240	17966	0.40	ng		0.00
34) Perylene-d12	23.94	264	12188	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.53	112	2120	0.26	ng		0.00
5) Phenol-d6	7.11	99	2746	0.22	ng		0.00
8) Nitrobenzene-d5	9.08	82	2553	0.27	ng		0.00
11) 2-Methylnaphthalene-d10	12.30	152	4756	0.27	ng		0.00
14) 2,4,6-Tribromophenol	16.03	330	487	0.26	ng		0.00
15) 2-Fluorobiphenyl	13.16	172	6251	0.26	ng		0.00
25) Fluoranthene-d10	19.29	212	52225	0.24	ng		0.00
29) Terphenyl-d14	19.87	244	9742	0.29	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.44	88	971	0.274	ng	#	52
3) n-Nitrosodimethylamine	3.75	42	1279	0.308	ng	#	91
6) bis(2-Chloroethyl)ether	7.34	93	2550	0.250	ng		88
9) Naphthalene	10.76	128	31687	0.250	ng		100
10) Hexachlorobutadiene	11.03	225	1233	0.268	ng		96
12) 2-Methylnaphthalene	12.37	142	5251	0.250	ng		99
16) Acenaphthylene	14.24	152	7275	0.237	ng		99
17) Acenaphthene	14.58	154	5096	0.246	ng		98
18) Fluorene	15.58	166	6910	0.258	ng		99
20) 4-Bromophenyl-phenylether	16.45	248	2159	0.220	ng	#	68
21) Hexachlorobenzene	16.58	284	1705	0.200	ng	#	100
22) Pentachlorophenol	16.94	266	808	0.352	ng		95
23) Phenanthrene	17.30	178	13481	0.219	ng	#	100
24) Anthracene	17.40	178	10483	0.238	ng	#	92
26) Fluoranthene	19.32	202	14856	0.231	ng		99
28) Pyrene	19.67	202	15050	0.243	ng		99
30) Benzo(a)anthracene	21.40	228	12676	0.230	ng		96
31) Chrysene	21.46	228	14636	0.251	ng		99
32) Bis(2-ethylhexyl)phthalate	21.30	149	28624	0.214	ng		100
33) Indeno(1,2,3-cd)pyrene	26.62	276	6954m	0.179	ng		
35) Benzo(b)fluoranthene	23.17	252	8986	0.232	ng		96
36) Benzo(k)fluoranthene	23.22	252	13669	0.287	ng	#	94
37) Benzo(a)pyrene	23.84	252	9802	0.248	ng	#	93
38) Dibenzo(a,h)anthracene	26.65	278	5309m	0.203	ng		
39) Benzo(g,h,i)perylene	27.42	276	6178m	0.223	ng		

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

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Operator : SJ/JU
Sample : PB102310BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 14:44:16 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 05 13:34:56 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
PB102310BS

Manual Integrations APPROVED
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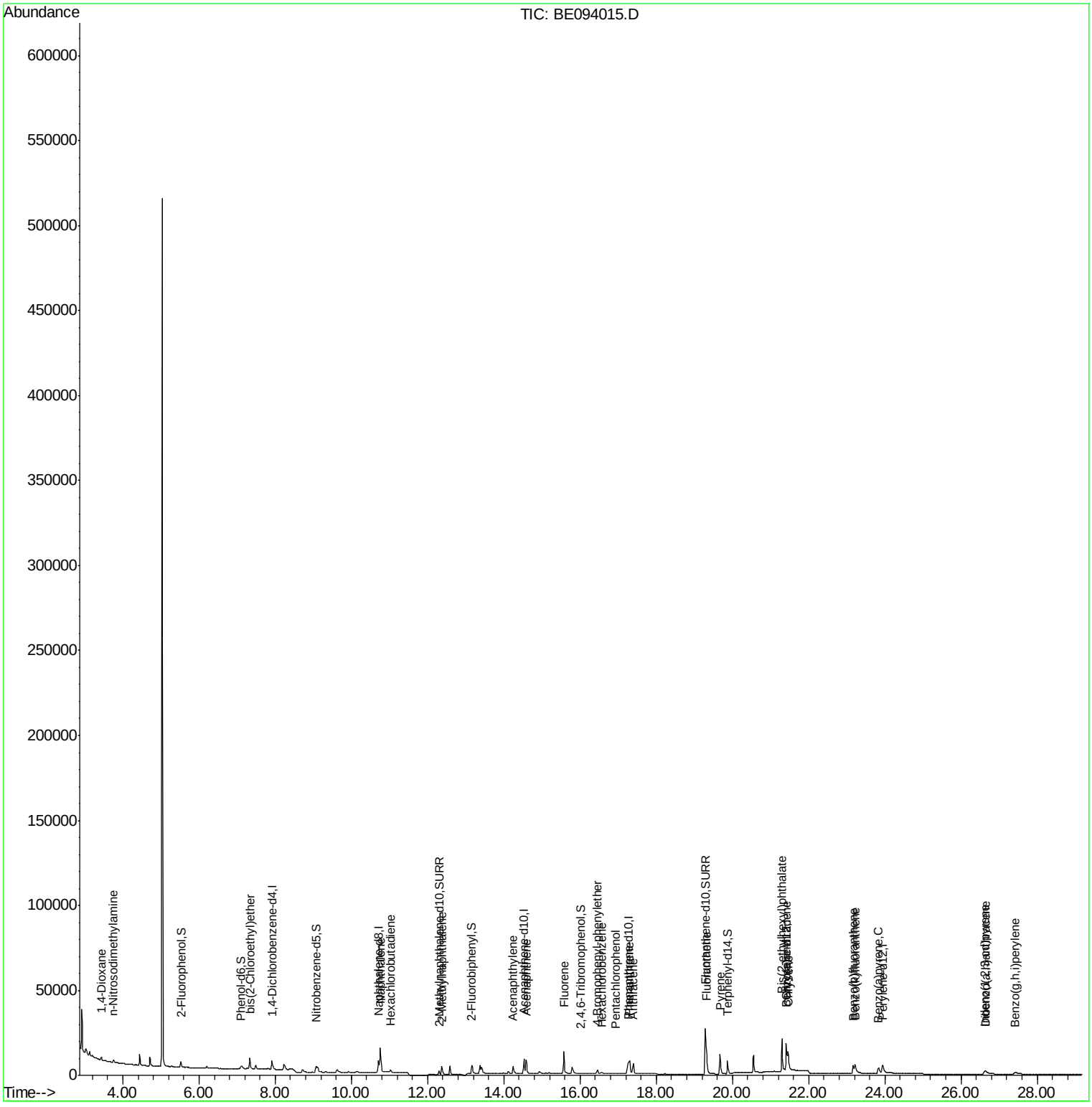
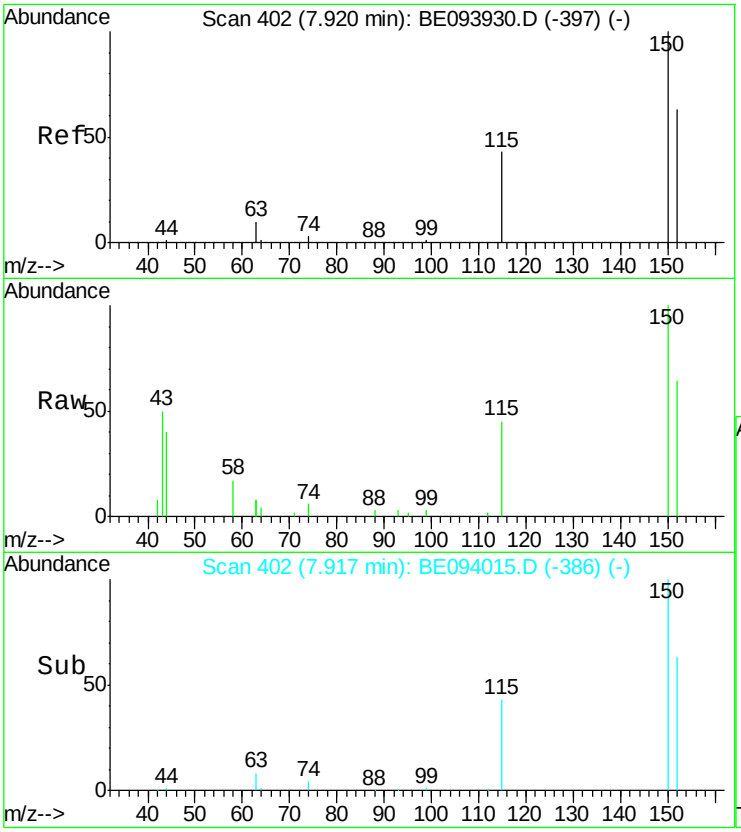
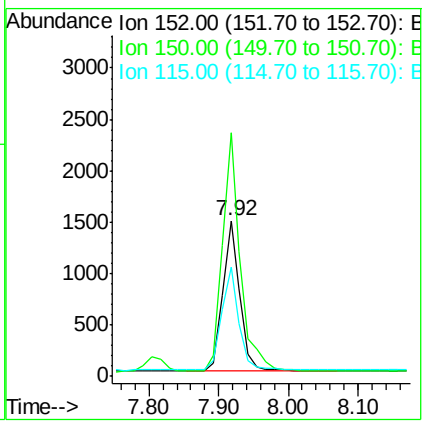




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:152 Resp: 2569

Ion	Ratio	Lower	Upper
152	100		
150	156.7	121.8	182.6
115	70.5	52.6	79.0



Instrument :
BNA_E
ClientSampleId :
PB102310BS

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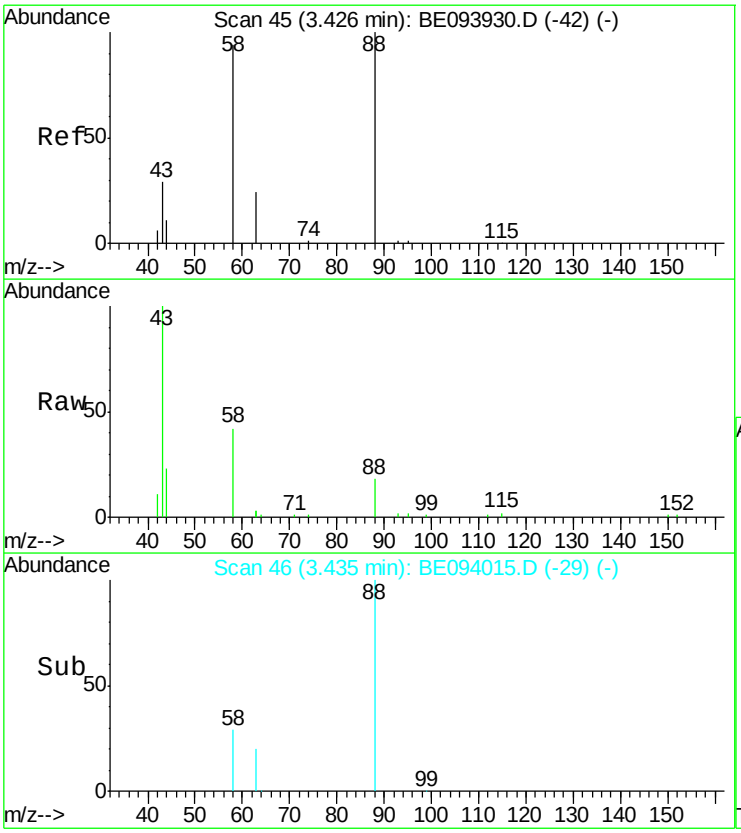
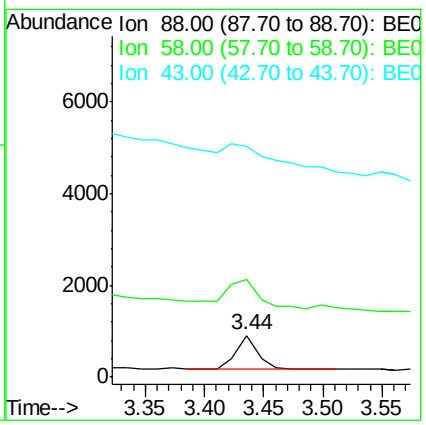
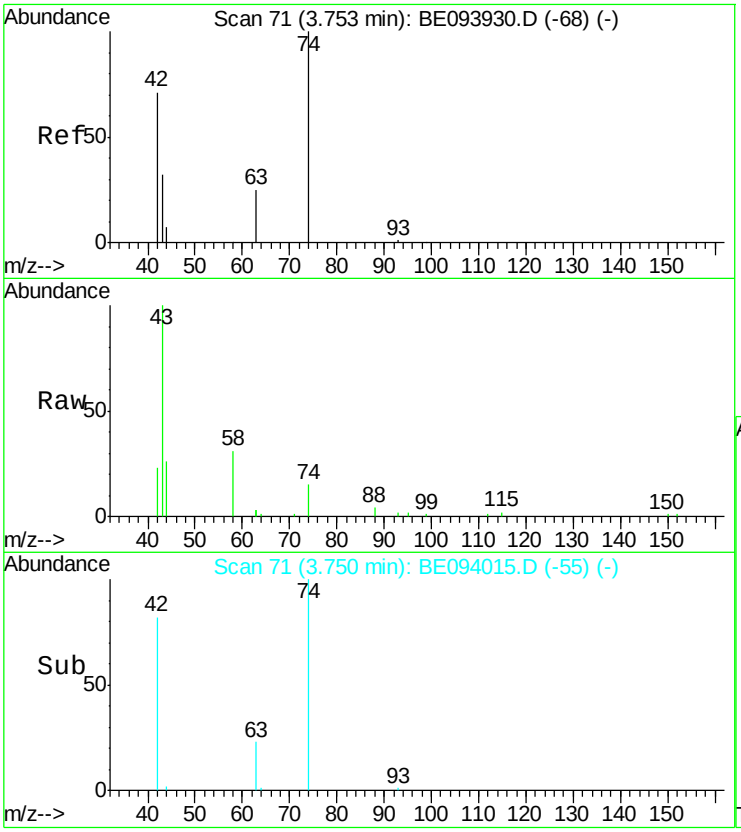


#2
1,4-Dioxane
Concen: 0.274 ng
RT: 3.44 min Scan# 46
Delta R.T. 0.01 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion: 88 Resp: 971

Ion	Ratio	Lower	Upper
88	100		
58	122.8	65.4	98.0#
43	0.0	23.9	35.9#





#3
n-Nitrosodimethylamine
Concen: 0.308 ng
RT: 3.75 min Scan# 71
Delta R.T. -0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion: 42 Resp: 1279

Ion	Ratio	Lower	Upper
42	100		
74	120.9	104.0	156.0
44	8.6	13.8	20.8#

Instrument :
BNA_E
ClientSampleId :
PB102310BS

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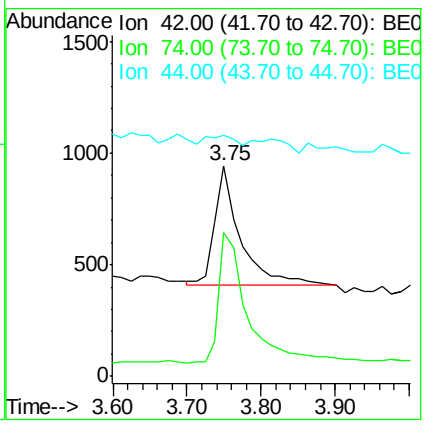
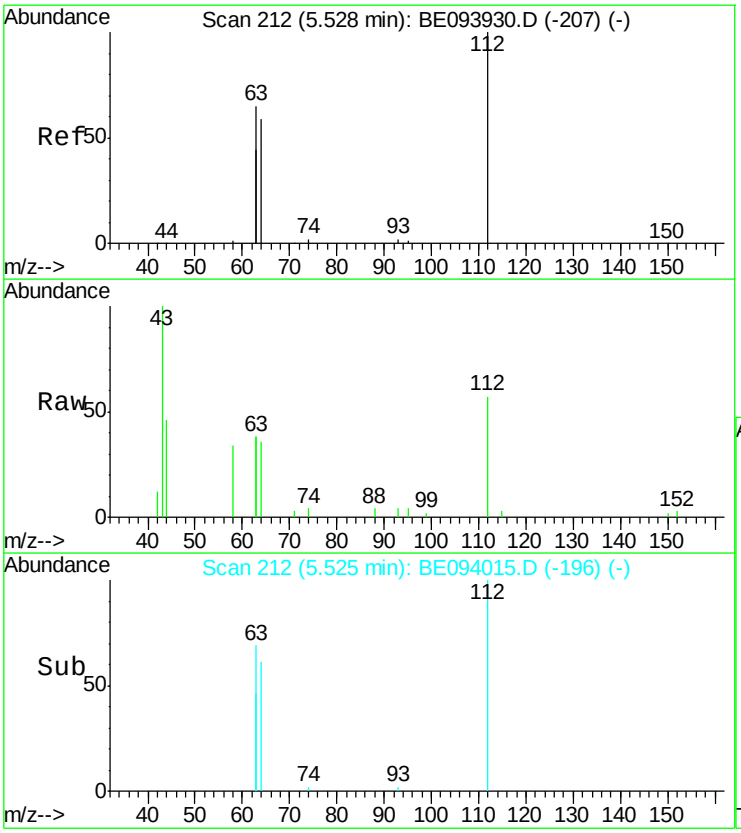
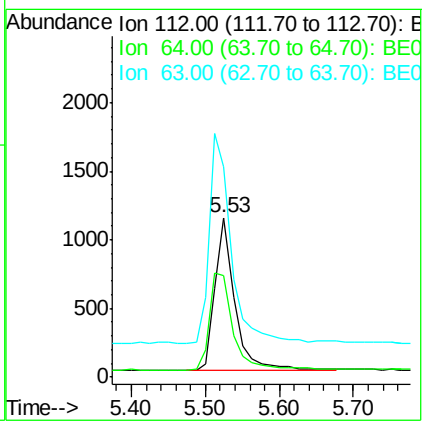


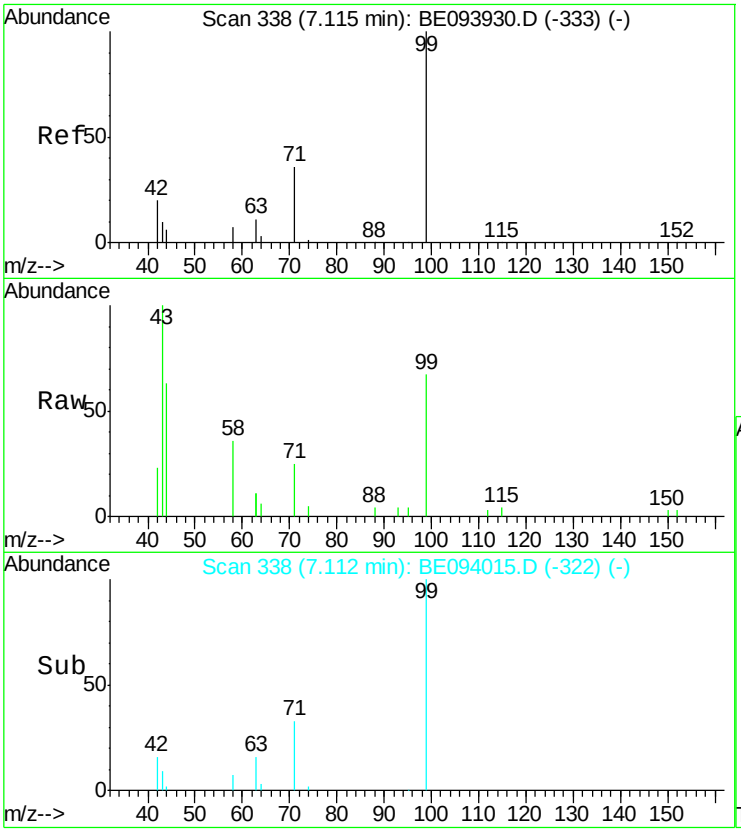


#4
2-Fluorophenol
Concen: 0.255 ng
RT: 5.53 min Scan# 212
Delta R.T. -0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:112 Resp: 2120

Ion	Ratio	Lower	Upper
112	100		
64	74.3	57.7	86.5
63	150.8	116.0	174.0

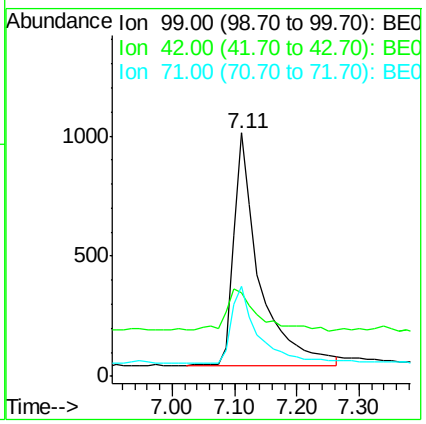




#5
Phenol-d6
Concen: 0.220 ng
RT: 7.11 min Scan# 338
Delta R.T. -0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion: 99 Resp: 2746

Ion	Ratio	Lower	Upper
99	100		
42	23.9	17.1	25.7
71	35.5	26.6	39.8



Instrument :
BNA_E
ClientSampleId :
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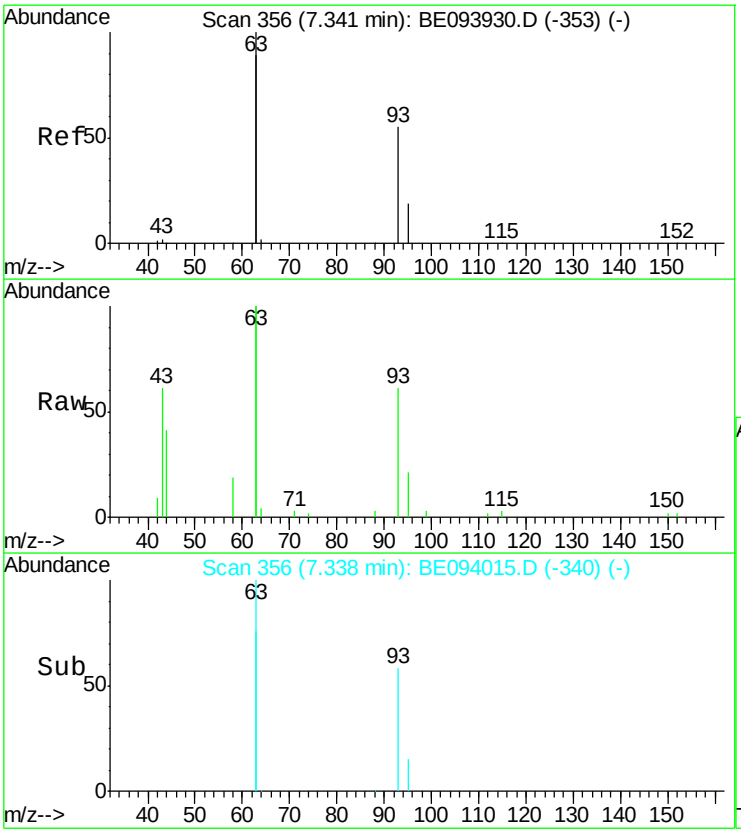
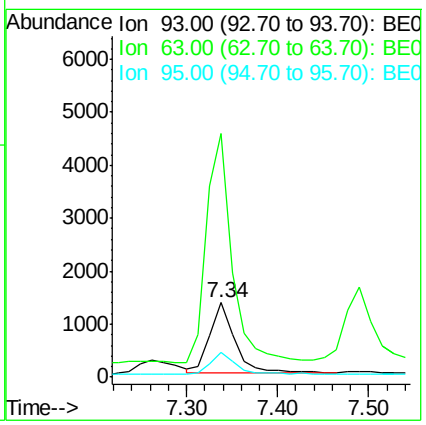
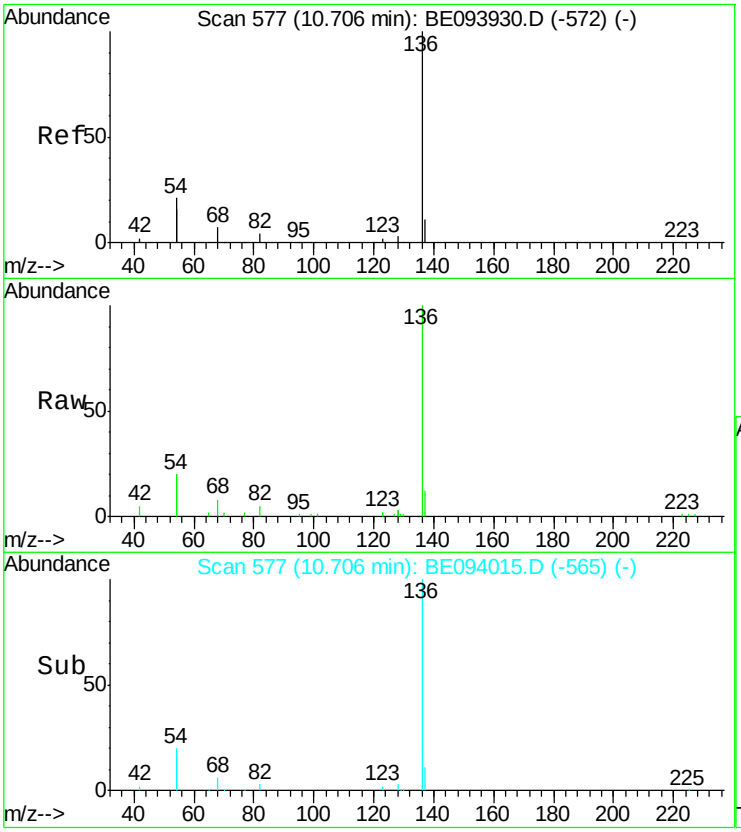


#6
bis(2-Chloroethyl)ether
Concen: 0.250 ng
RT: 7.34 min Scan# 356
Delta R.T. -0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion: 93 Resp: 2550

Ion	Ratio	Lower	Upper
93	100		
63	327.2	283.4	425.2
95	30.6	26.9	40.3

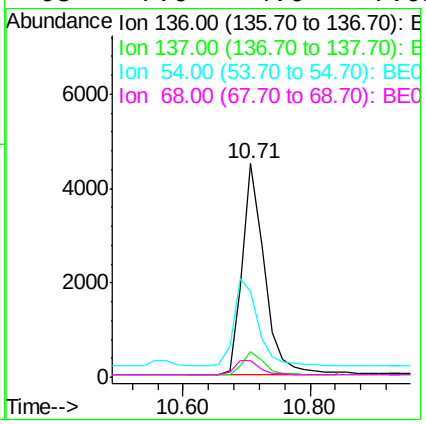




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.71 min Scan# 577
Delta R.T. 0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:136 Resp: 11043

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.2	13.8
54	40.3	21.9	32.9#
68	7.6	4.6	7.0#



Instrument :
BNA_E
ClientSampleId :
PB102310BS

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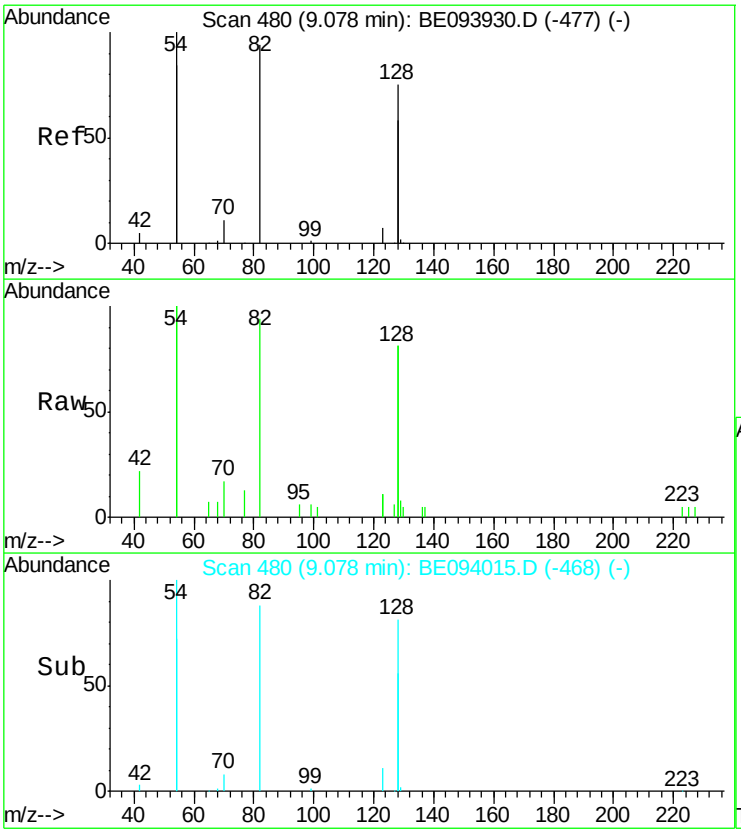
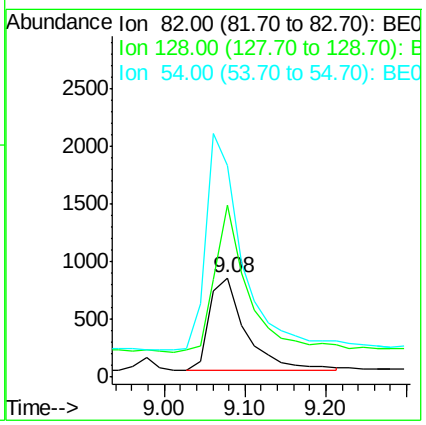
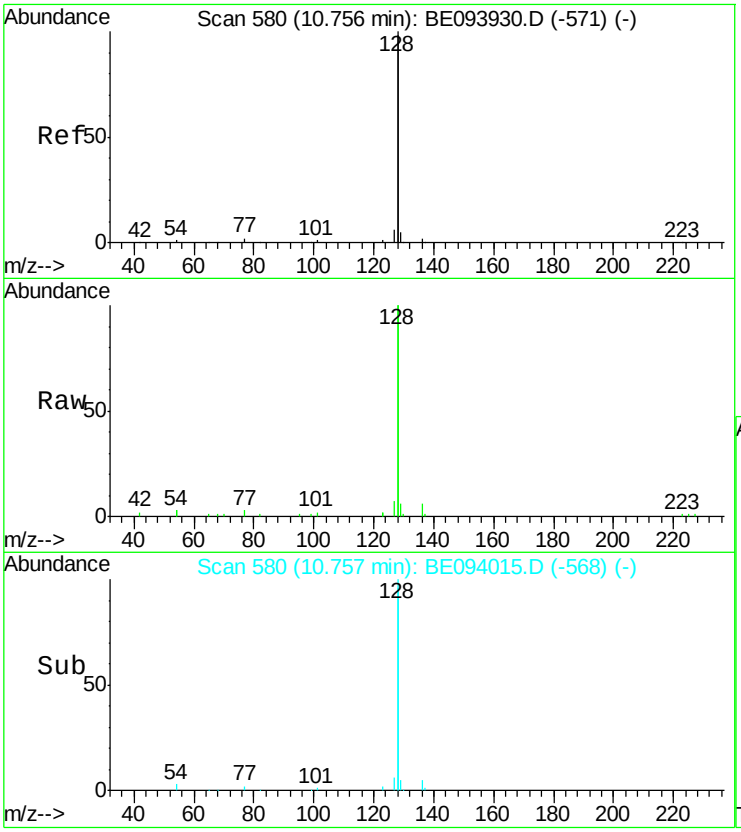


#8
Nitrobenzene-d5
Concen: 0.273 ng
RT: 9.08 min Scan# 480
Delta R.T. 0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion: 82 Resp: 2553

Ion	Ratio	Lower	Upper
82	100		
128	173.3	91.4	137.0#
54	213.3	197.8	296.8

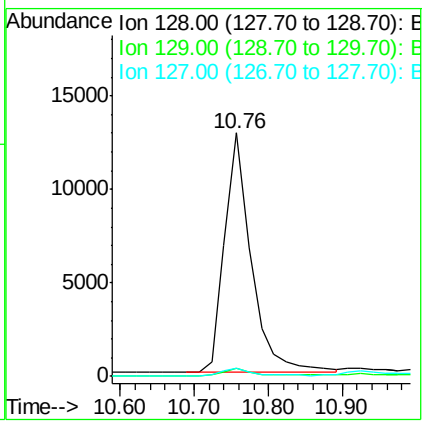




#9
Naphthalene
Concen: 0.250 ng
RT: 10.76 min Scan# 580
Delta R.T. 0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:128 Resp: 31687

Ion	Ratio	Lower	Upper
128	100		
129	3.1	2.5	3.7
127	3.5	2.6	4.0



Instrument :
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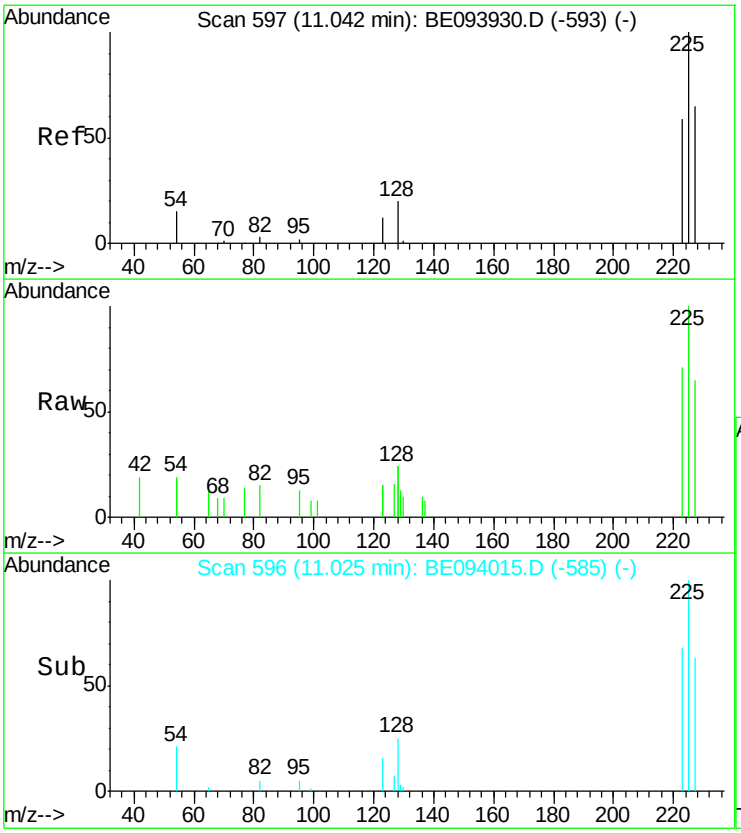
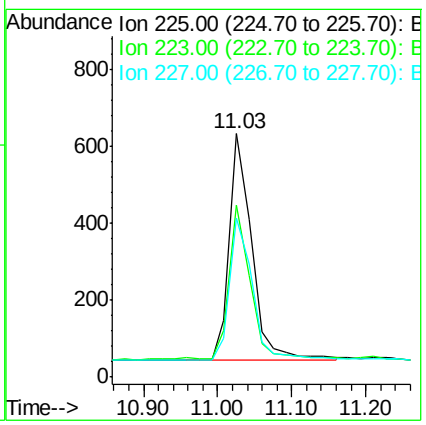
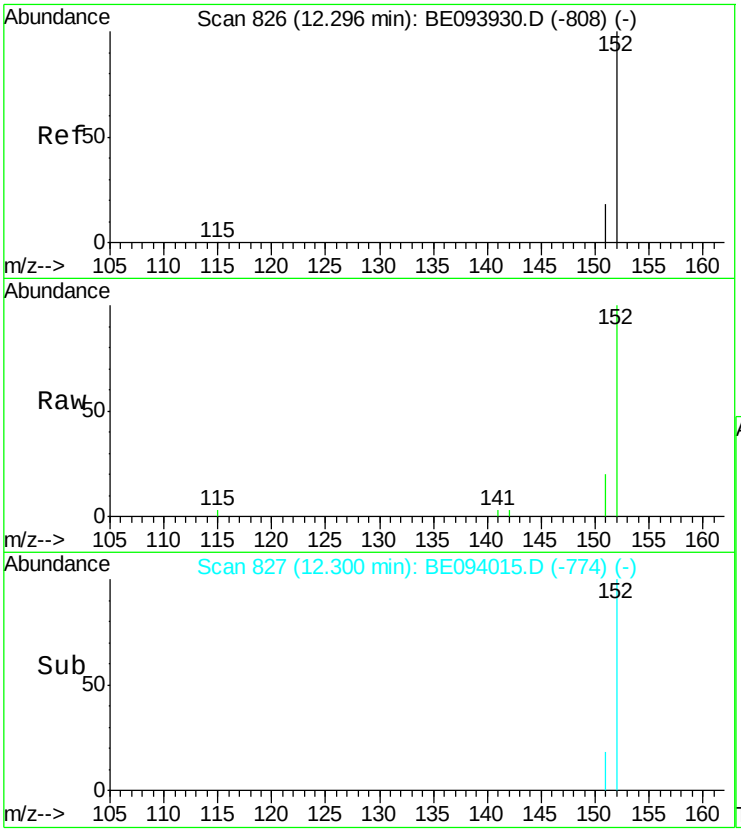


#10
Hexachlorobutadiene
Concen: 0.268 ng
RT: 11.03 min Scan# 596
Delta R.T. -0.02 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:225 Resp: 1233

Ion	Ratio	Lower	Upper
225	100		
223	67.0	49.4	74.0
227	64.5	50.5	75.7

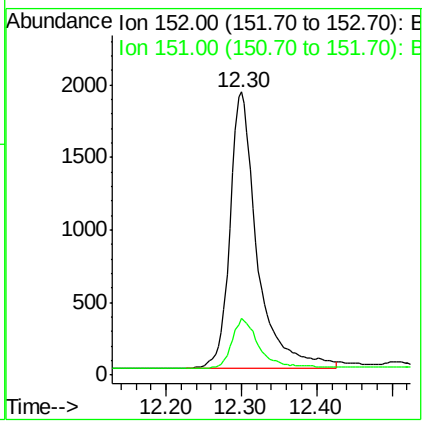




#11
2-Methylnaphthalene-d10
Concen: 0.269 ng
RT: 12.30 min Scan# 827
Delta R.T. 0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:152 Resp: 4756

Ion	Ratio	Lower	Upper
152	100		
151	18.1	15.4	23.0



Instrument :
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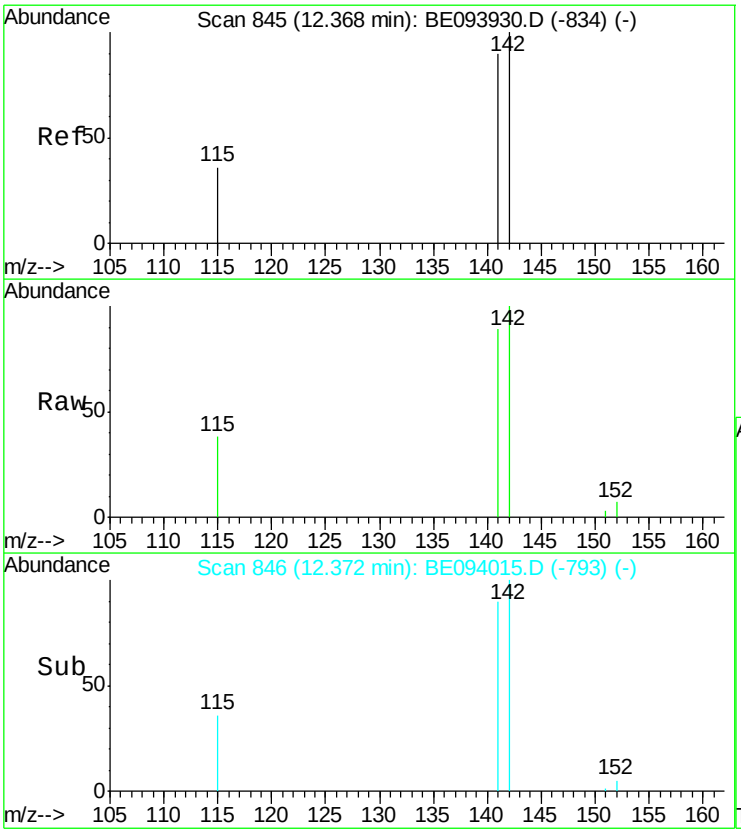
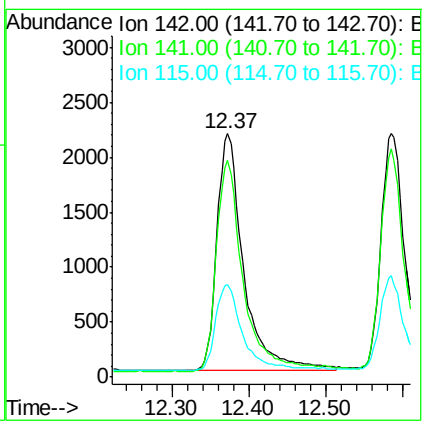
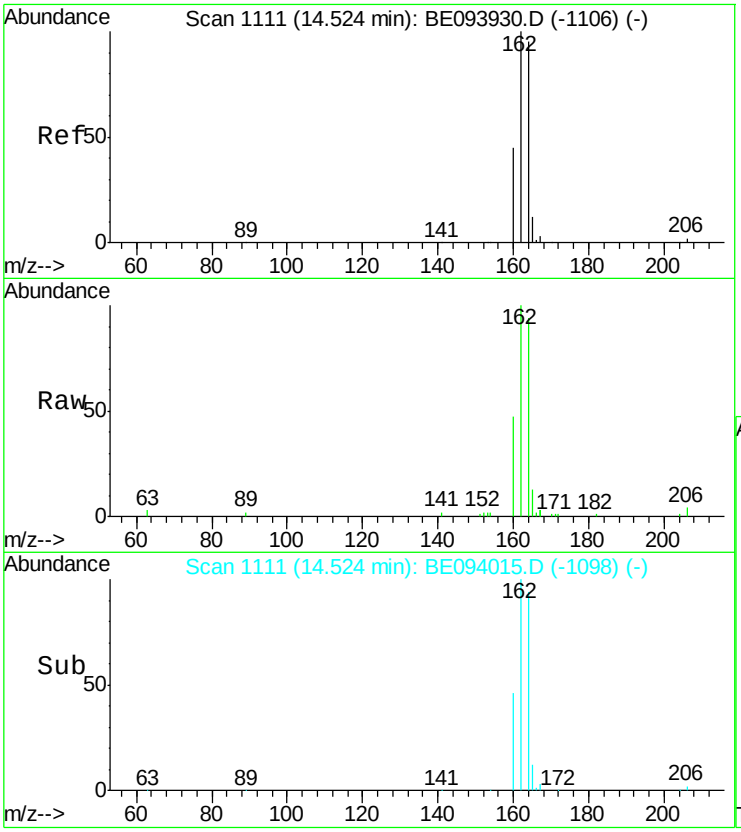


#12
2-Methylnaphthalene
Concen: 0.250 ng
RT: 12.37 min Scan# 846
Delta R.T. 0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:142 Resp: 5251

Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.4	107.2
115	37.8	29.4	44.0

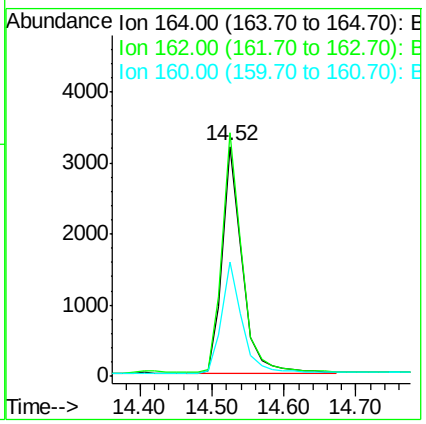




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.52 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:164 Resp: 6147

Ion	Ratio	Lower	Upper
164	100		
162	105.9	80.8	121.2
160	49.9	37.0	55.4



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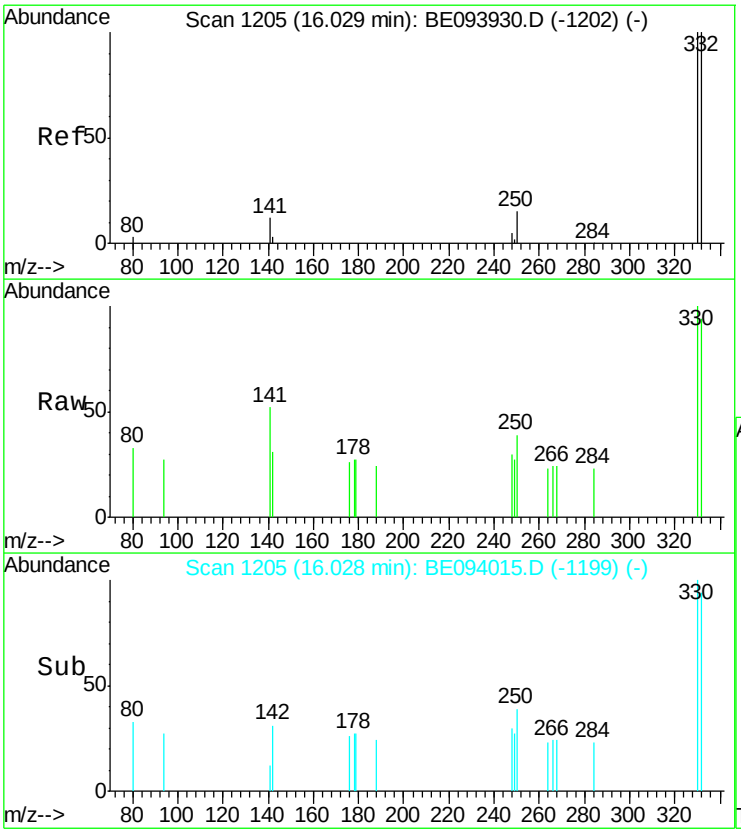
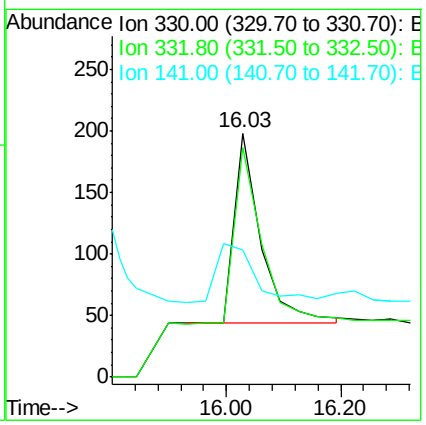
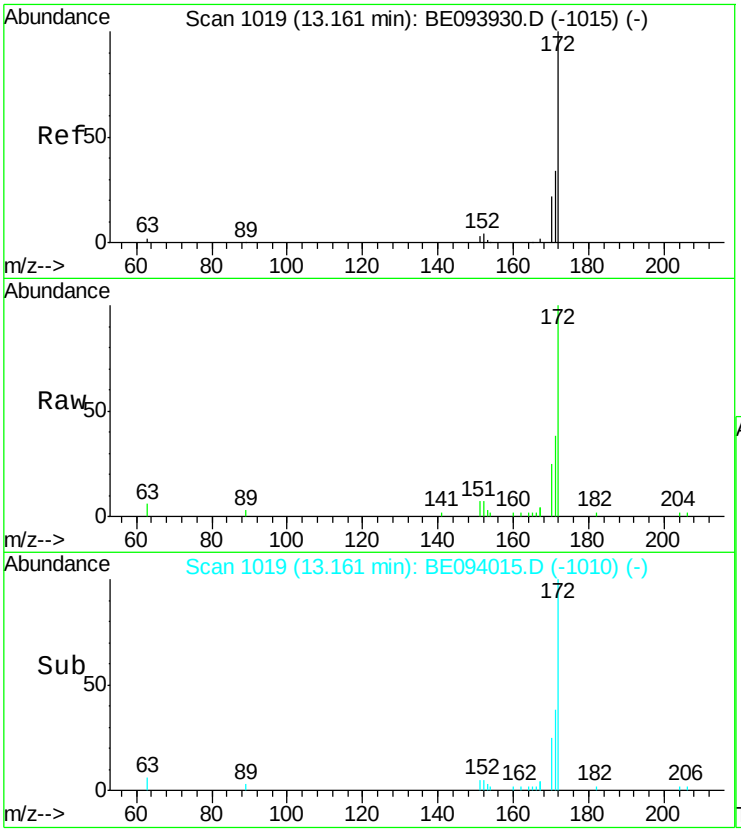


#14
2,4,6-Tribromophenol
Concen: 0.256 ng
RT: 16.03 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:330 Resp: 487

Ion	Ratio	Lower	Upper
330	100		
332	99.6	76.9	115.3
141	0.0	0.0	0.0

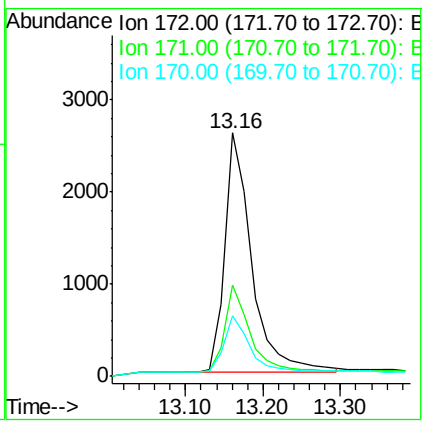




#15
2-Fluorobiphenyl
Concen: 0.257 ng
RT: 13.16 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:172 Resp: 6251

Ion	Ratio	Lower	Upper
172	100		
171	37.5	26.9	40.3
170	25.0	17.3	25.9



Instrument :
BNA_E
ClientSampleId :
PB102310BS

Manual Integrations APPROVED
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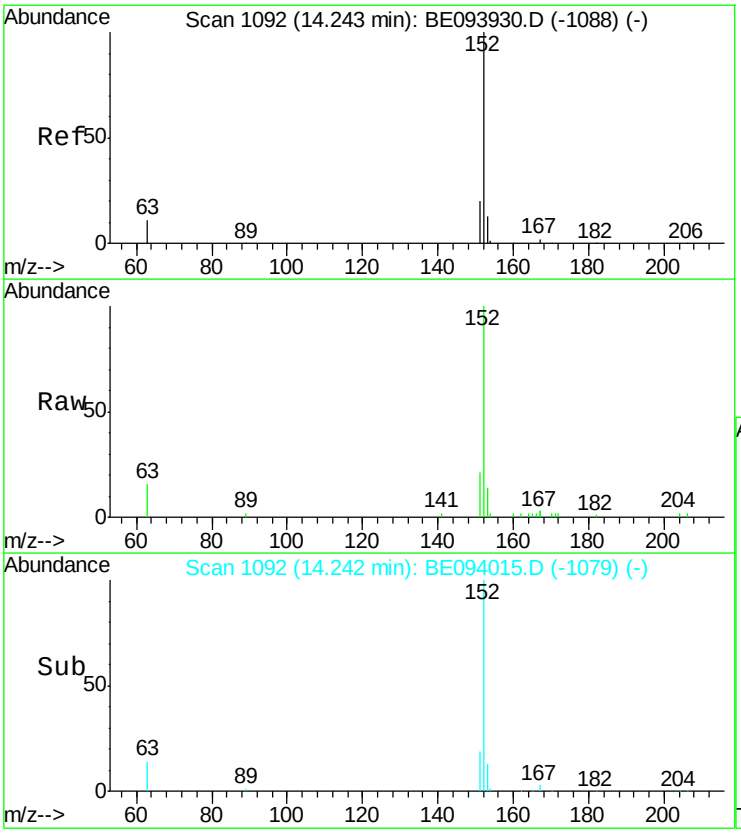
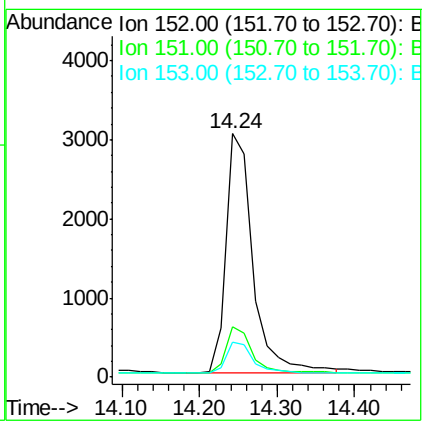
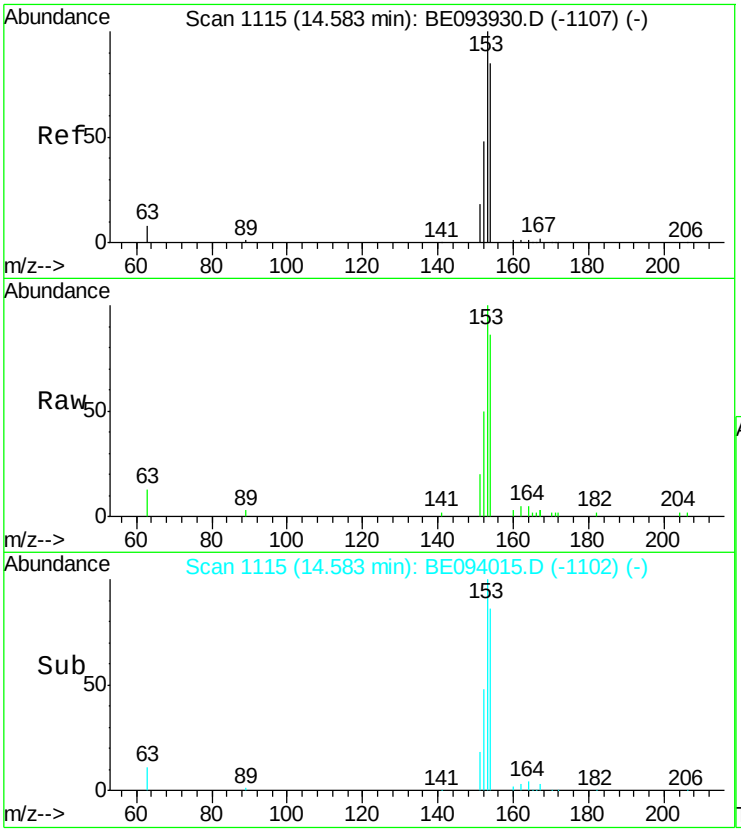


#16
Acenaphthylene
Concen: 0.237 ng
RT: 14.24 min Scan# 1092
Delta R.T. -0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:152 Resp: 7275

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.7	23.5
153	13.5	10.6	16.0

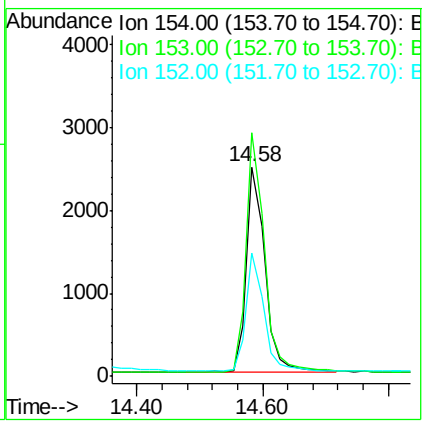




#17
Acenaphthene
Concen: 0.246 ng
RT: 14.58 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:154 Resp: 5096

Ion	Ratio	Lower	Upper
154	100		
153	113.1	91.8	137.6
152	54.1	44.9	67.3



Instrument :
BNA_E
ClientSampleId :
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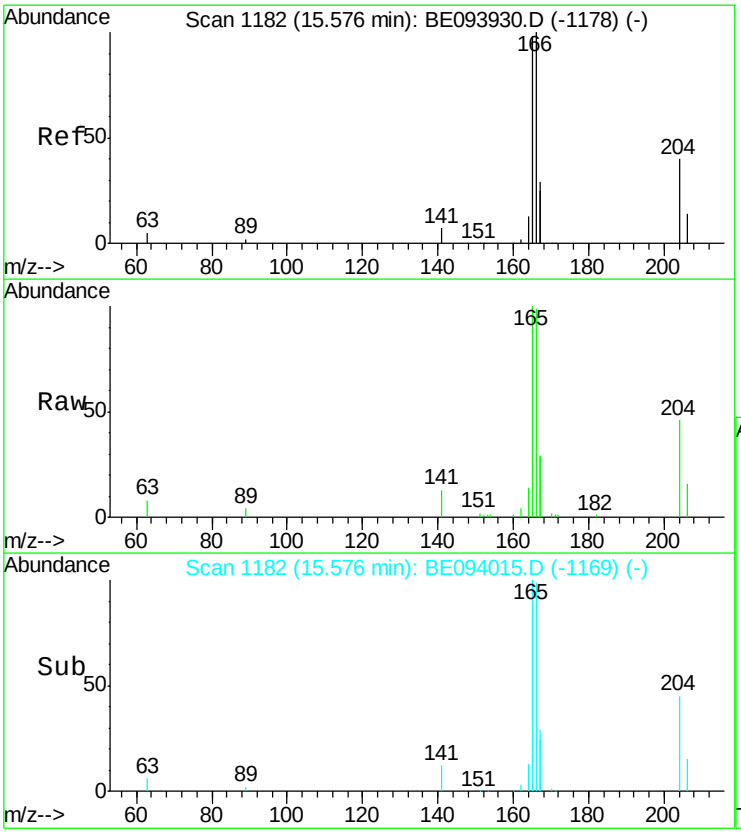
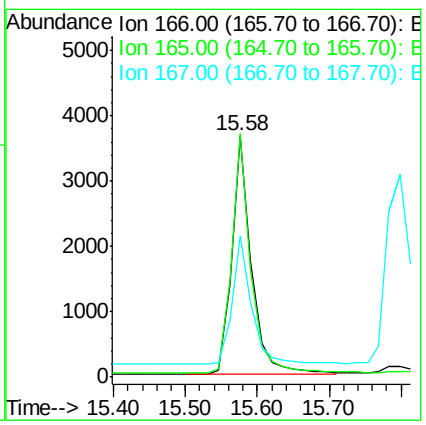
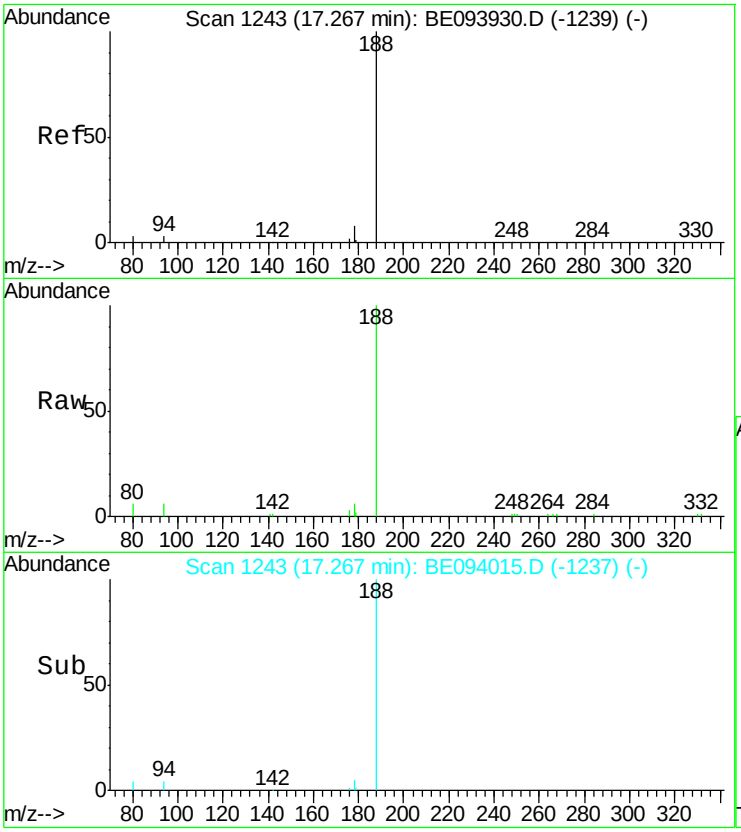


#18
Fluorene
Concen: 0.258 ng
RT: 15.58 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:166 Resp: 6910

Ion	Ratio	Lower	Upper
166	100		
165	98.3	79.4	119.0
167	53.3	43.5	65.3





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:188 Resp: 14455

Ion	Ratio	Lower	Upper
188	100		
94	5.5	16.1	24.1#
80	5.7	18.2	27.2#

Instrument :
BNA_E
ClientSampleId :
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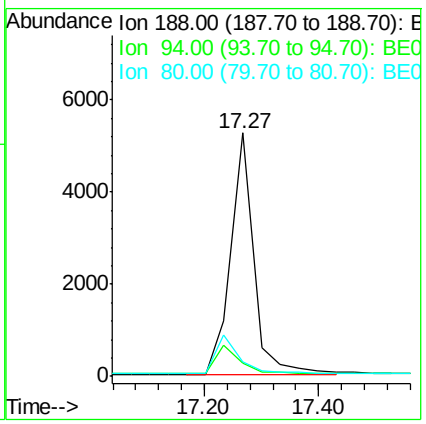
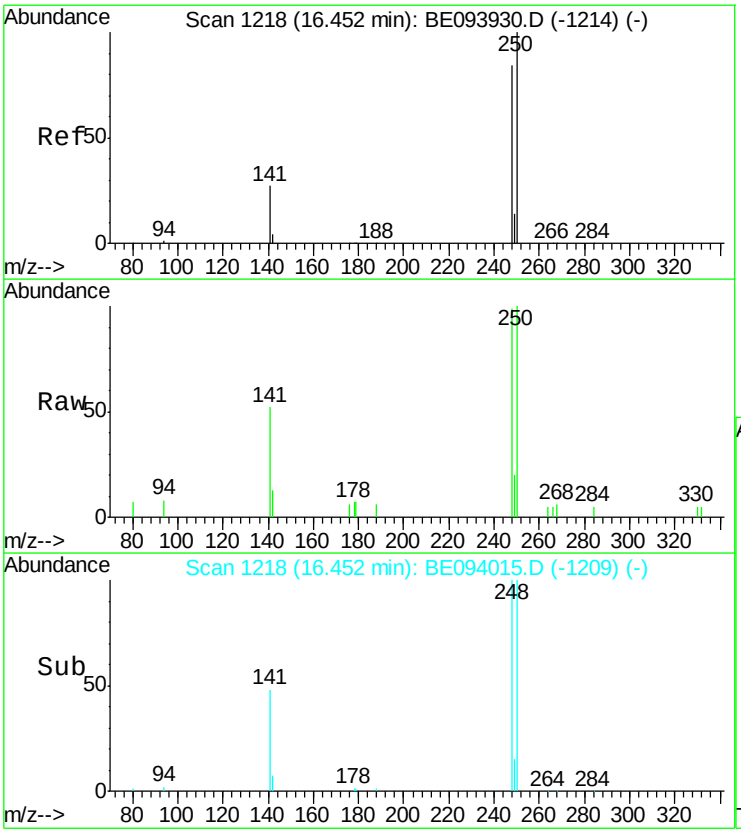
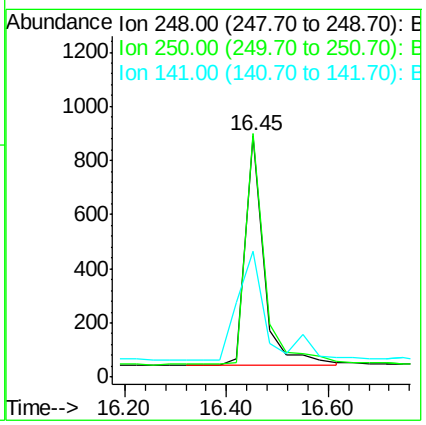


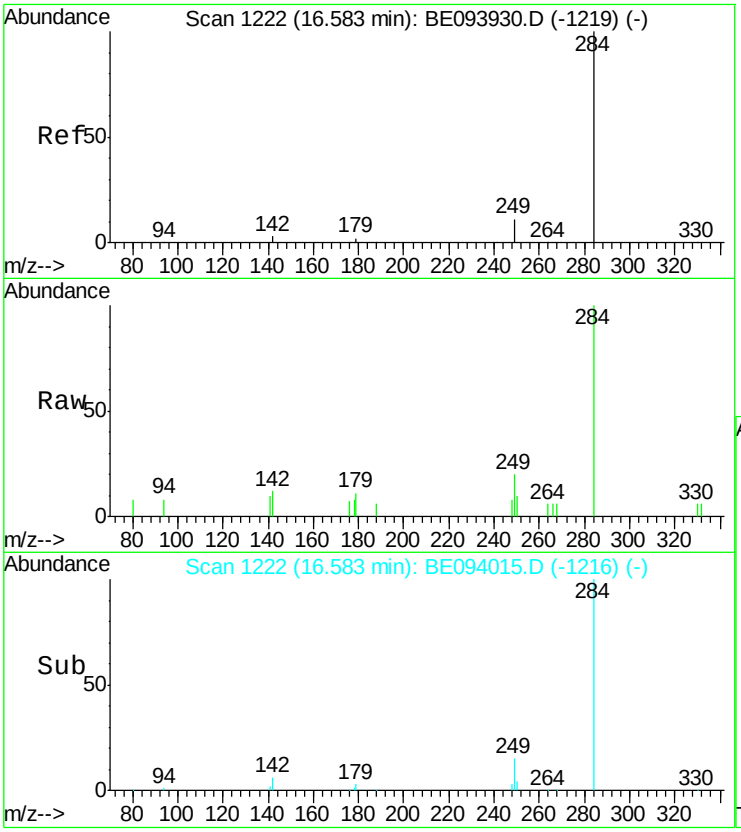


#20
4-Bromophenyl-phenylether
Concen: 0.220 ng
RT: 16.45 min Scan# 1218
Delta R.T. 0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:248 Resp: 2159

Ion	Ratio	Lower	Upper
248	100		
250	100.8	111.8	167.8#
141	52.2	27.1	40.7#

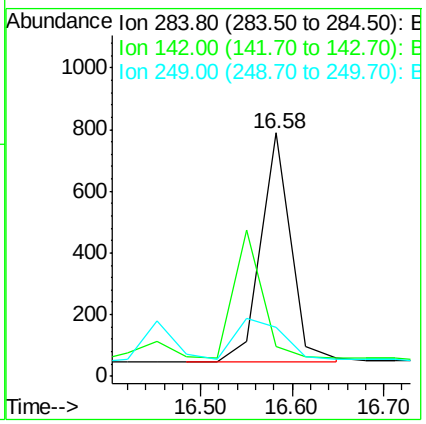




#21
Hexachlorobenzene
Concen: 0.200 ng
RT: 16.58 min Scan# 1222
Delta R.T. -0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:284 Resp: 1705

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



Instrument :
BNA_E
ClientSampleId :
PB102310BS

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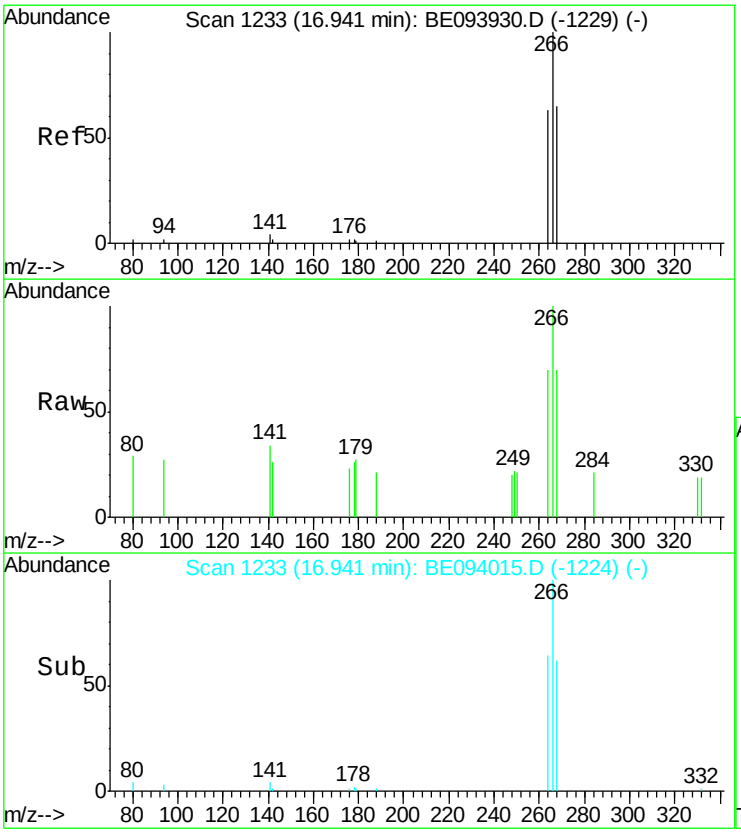
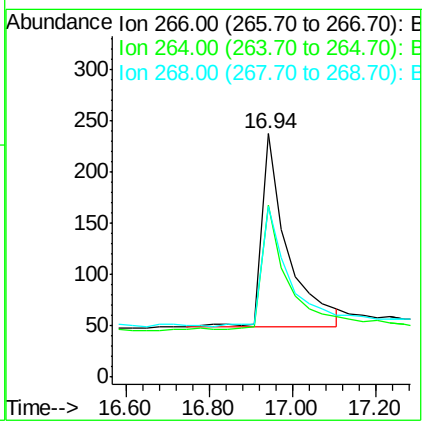
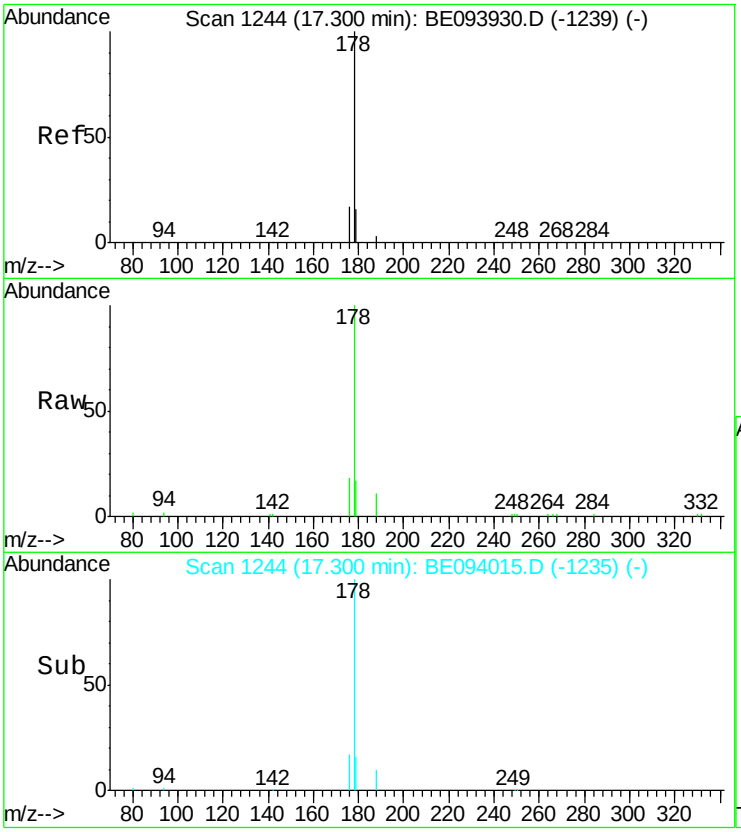


#22
Pentachlorophenol
Concen: 0.352 ng
RT: 16.94 min Scan# 1233
Delta R.T. -0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:266 Resp: 808

Ion	Ratio	Lower	Upper
266	100		
264	70.5	53.5	80.3
268	70.0	60.0	90.0

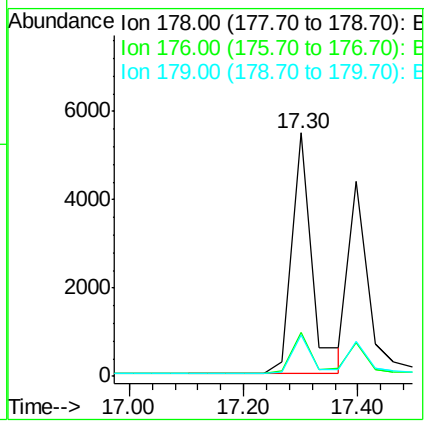




#23
Phenanthrene
Concen: 0.219 ng
RT: 17.30 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:178 Resp: 13481

Ion	Ratio	Lower	Upper
178	100		
176	18.3	0.0	0.0#
179	15.7	12.6	18.8



Instrument :
BNA_E
ClientSampleId :
PB102310BS

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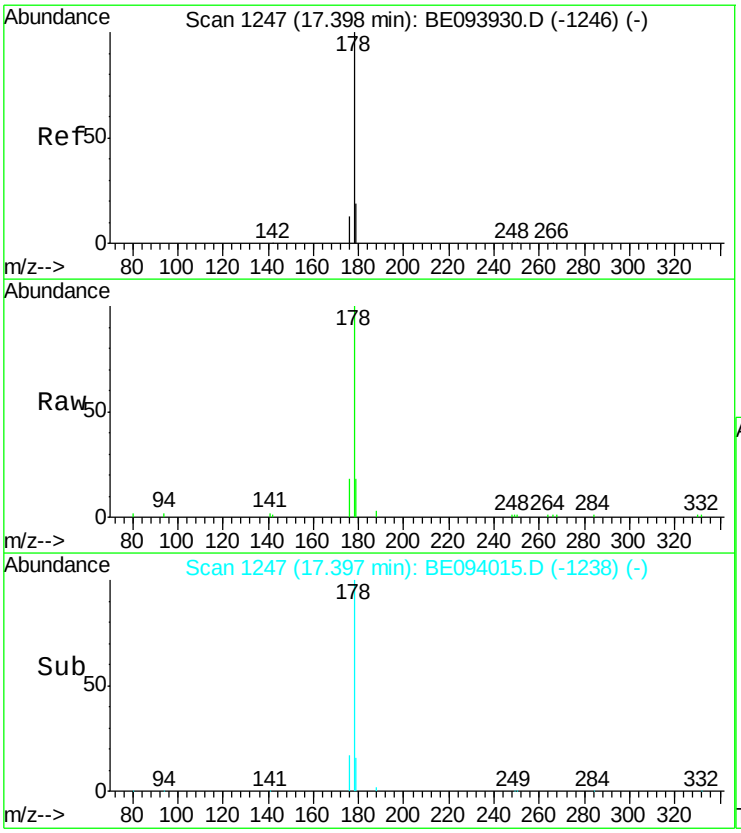
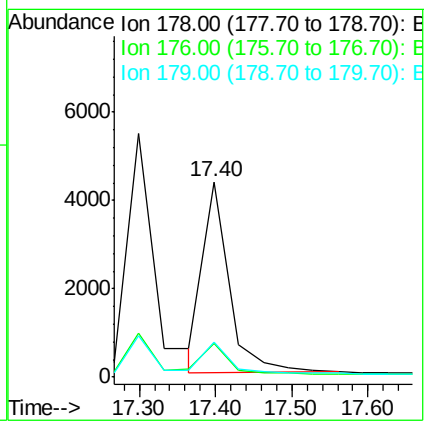
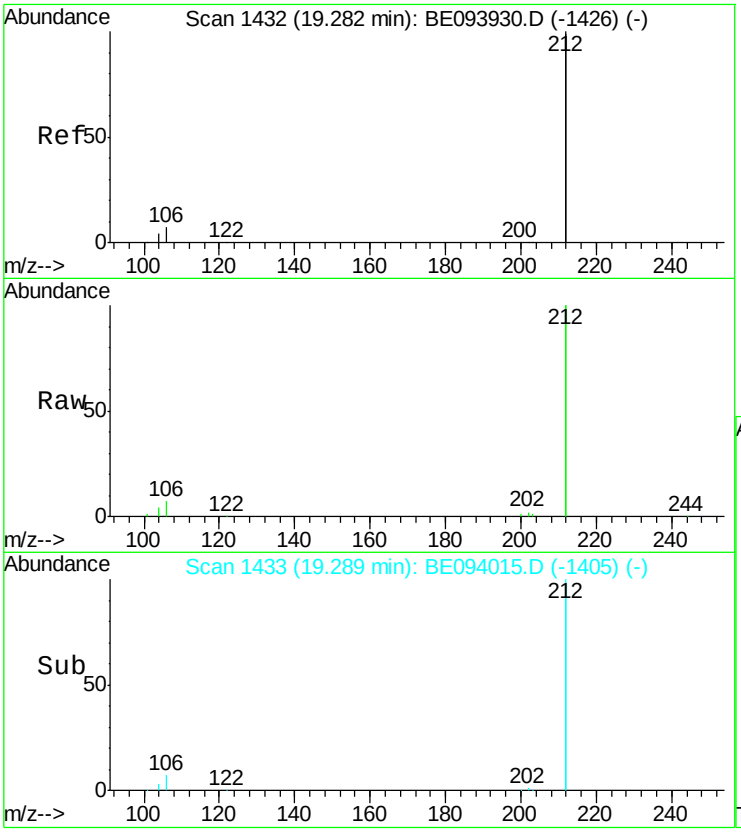


#24
Anthracene
Concen: 0.238 ng
RT: 17.40 min Scan# 1247
Delta R.T. -0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:178 Resp: 10483

Ion	Ratio	Lower	Upper
178	100		
176	16.3	16.0	24.0
179	16.3	0.0	0.0#

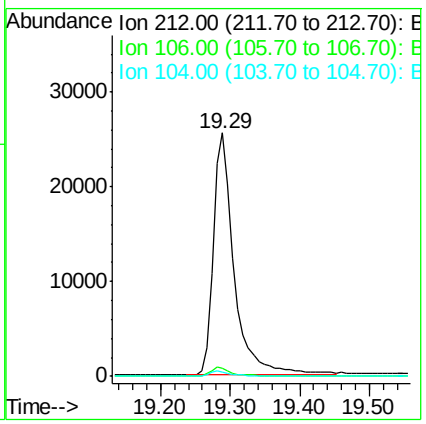




#25
Fluoranthene-d10
Concen: 0.242 ng
RT: 19.29 min Scan# 1433
Delta R.T. 0.01 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:212 Resp: 52225

Ion	Ratio	Lower	Upper
212	100		
106	3.4	2.7	4.1
104	1.9	1.6	2.4



Instrument :
BNA_E
ClientSampleId :
PB102310BS

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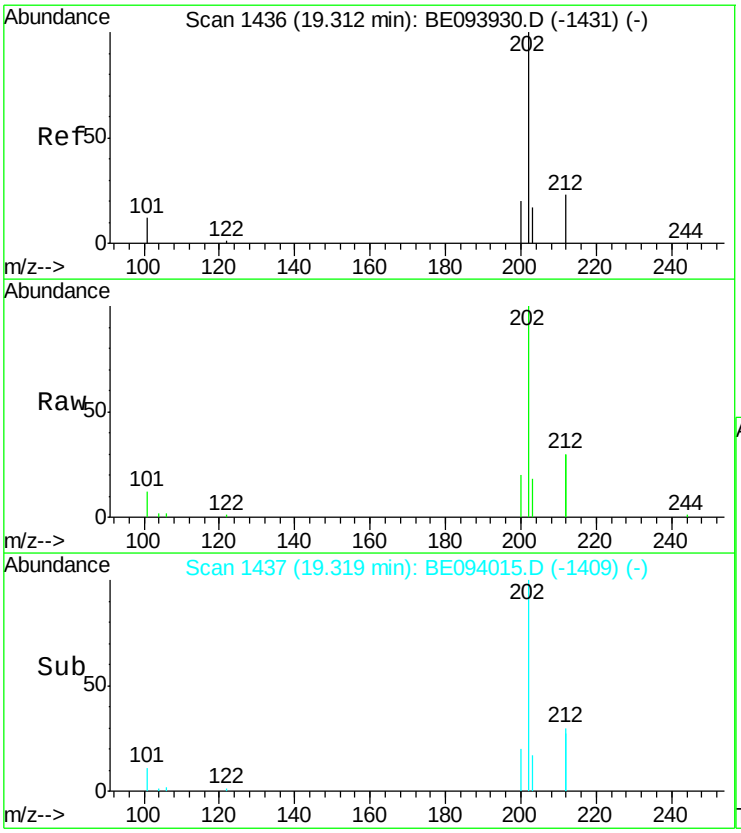
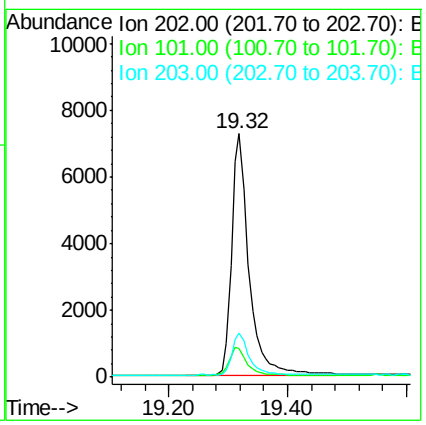
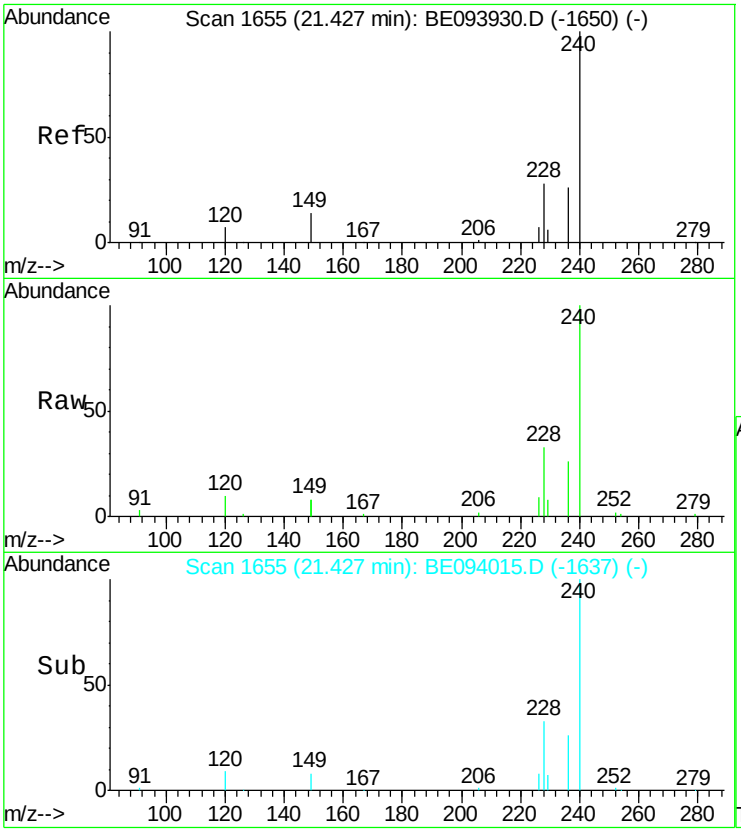


#26
Fluoranthene
Concen: 0.231 ng
RT: 19.32 min Scan# 1437
Delta R.T. 0.01 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:202 Resp: 14856

Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.7	14.5
203	16.9	13.7	20.5

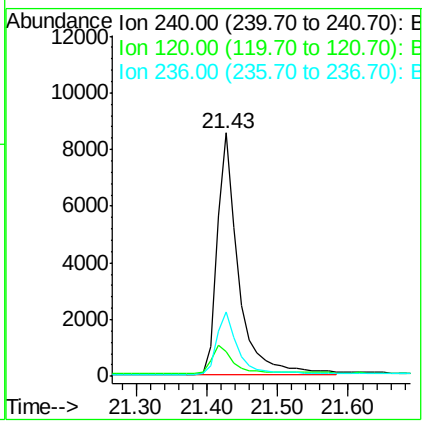




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.43 min Scan# 1655
Delta R.T. -0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:240 Resp: 17966

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.7	13.1
236	26.2	21.3	31.9



Instrument :
BNA_E
ClientSampleId :
PB102310BS

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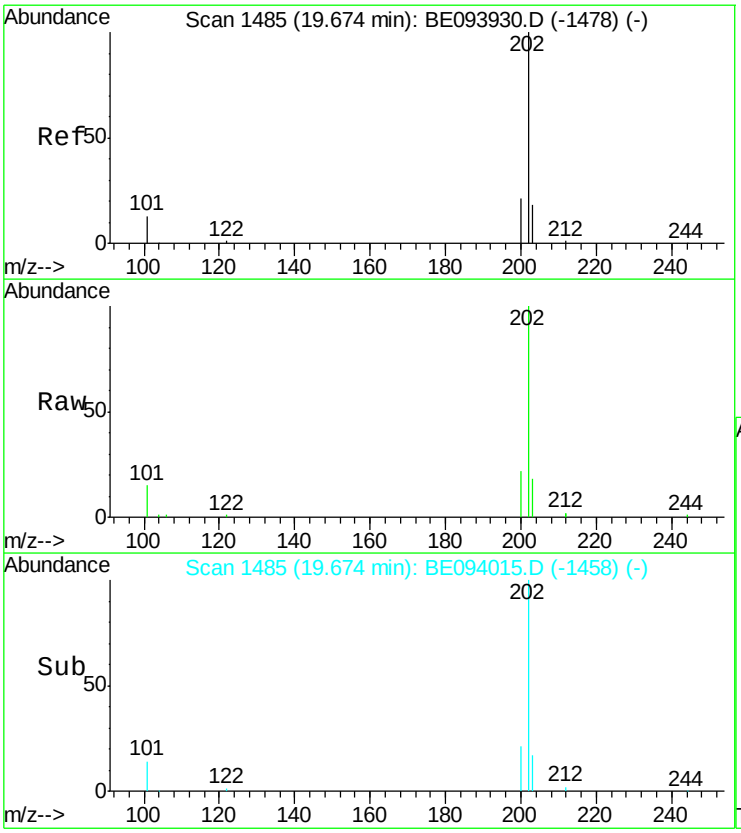
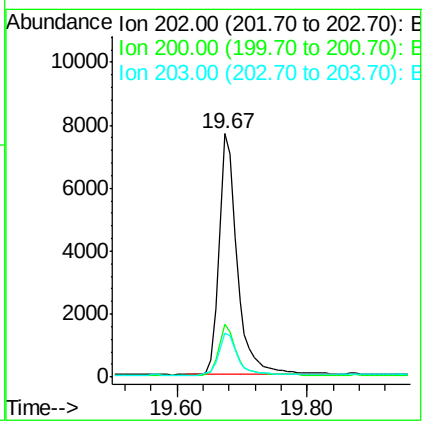
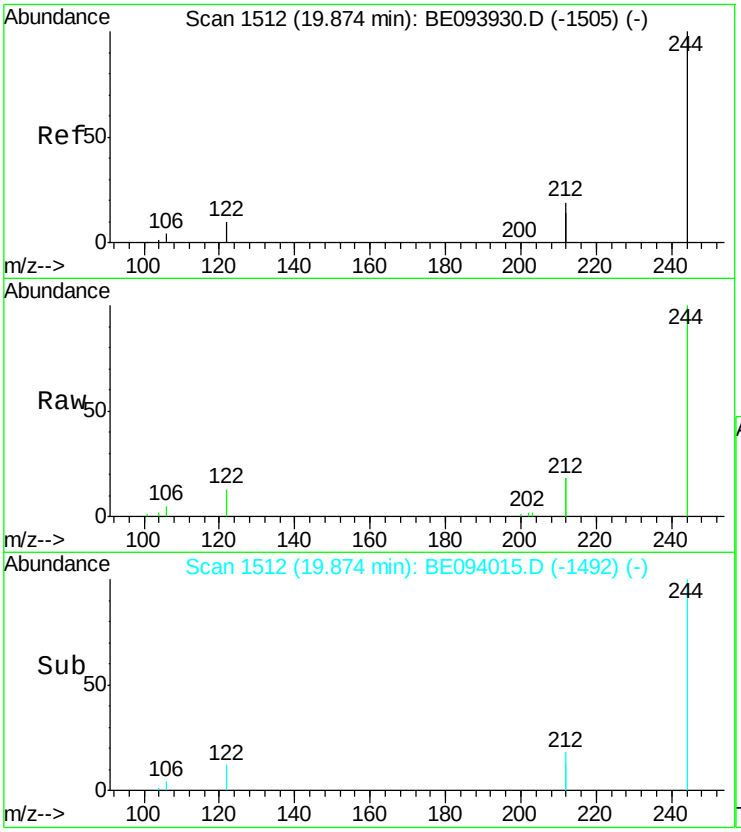


#28
Pyrene
Concen: 0.243 ng
RT: 19.67 min Scan# 1485
Delta R.T. -0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:202 Resp: 15050

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	24.8
203	18.5	14.2	21.4

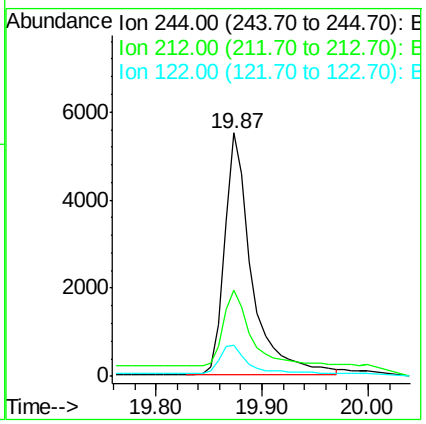




#29
Terphenyl-d14
Concen: 0.295 ng
RT: 19.87 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:244 Resp: 9742

Ion	Ratio	Lower	Upper
244	100		
212	35.4	28.3	42.5
122	12.5	9.4	14.0



Instrument :
BNA_E
ClientSampleId :
PB102310BS

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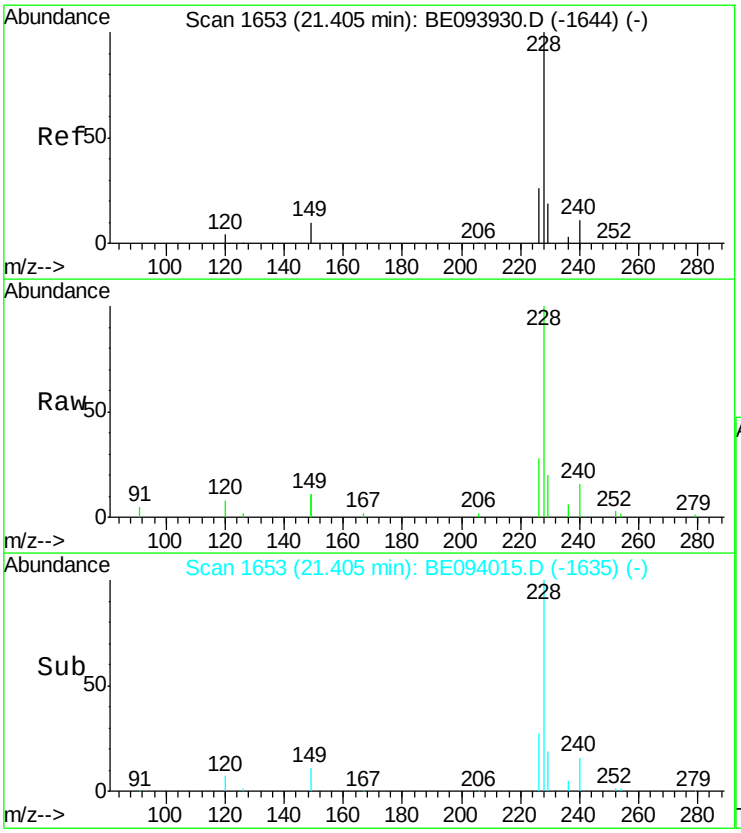
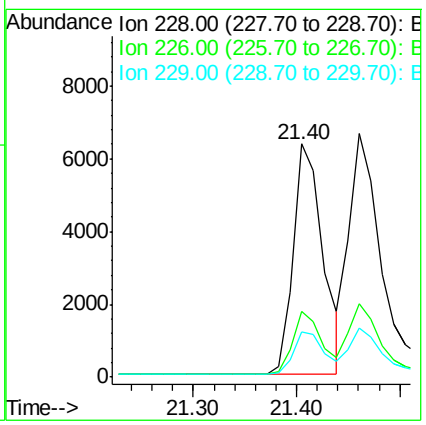
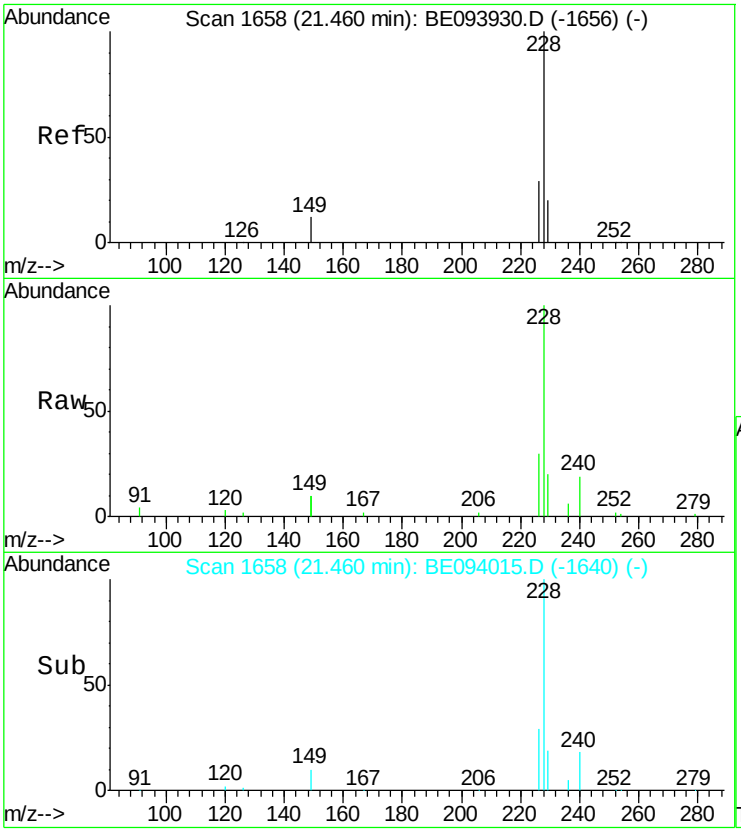


#30
Benzo(a)anthracene
Concen: 0.230 ng
RT: 21.40 min Scan# 1653
Delta R.T. -0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:228 Resp: 12676

Ion	Ratio	Lower	Upper
228	100		
226	28.3	20.8	31.2
229	19.6	16.6	25.0

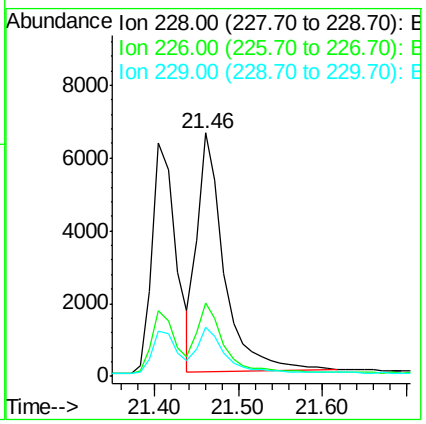




#31
Chrysene
Concen: 0.251 ng
RT: 21.46 min Scan# 1658
Delta R.T. -0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:228 Resp: 14636

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.6	37.0
229	20.1	15.8	23.8



Instrument :
BNA_E
ClientSampleId :
PB102310BS

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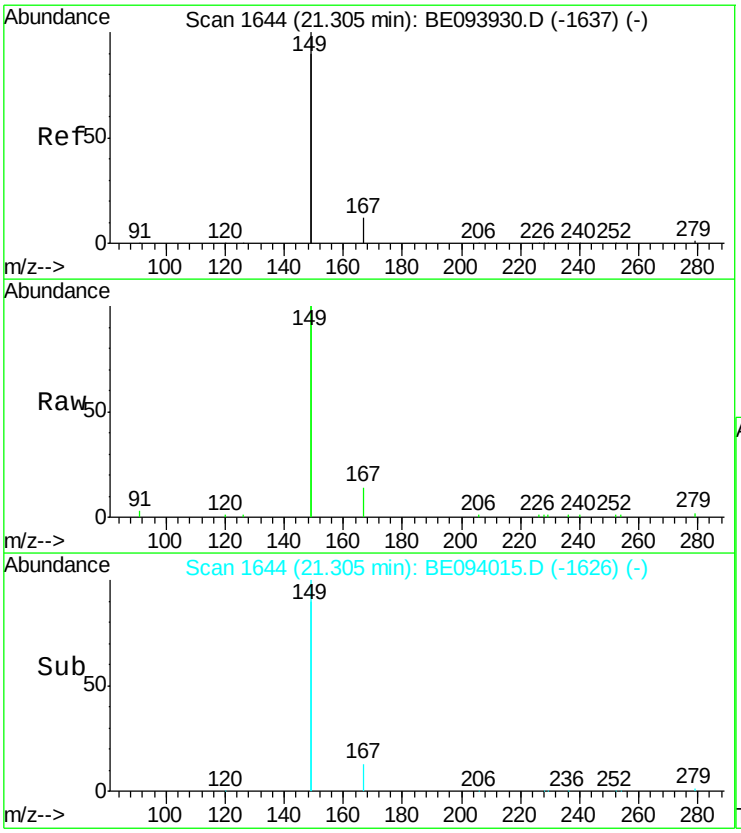
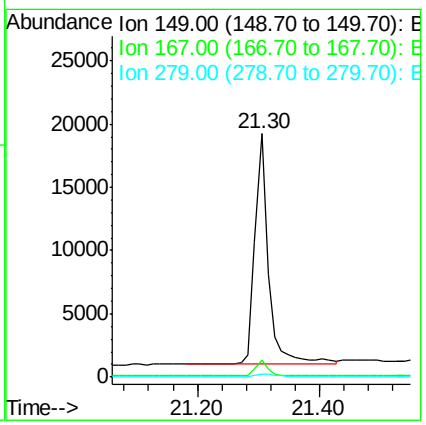
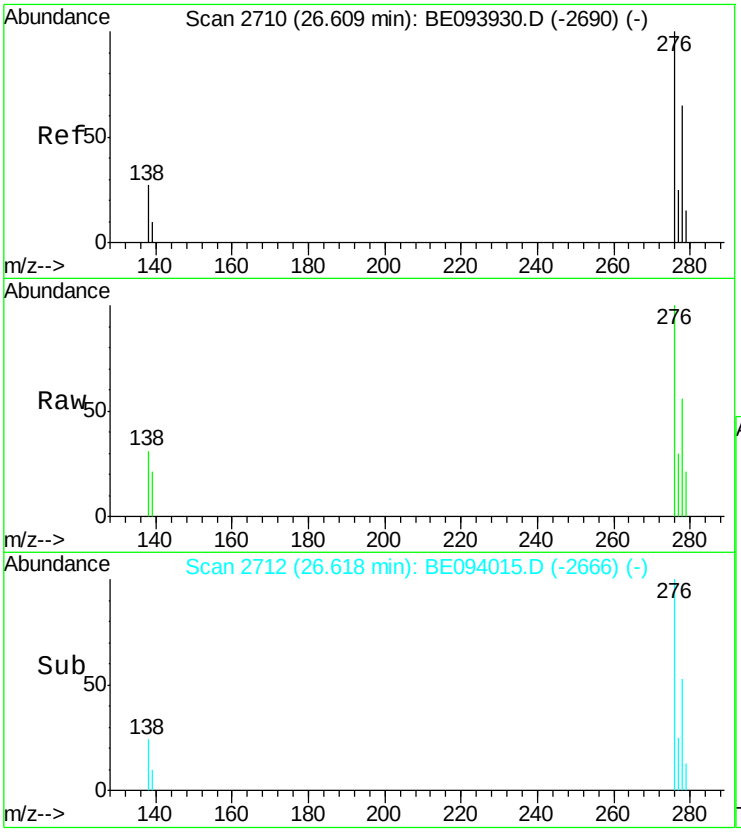


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.214 ng
RT: 21.30 min Scan# 1644
Delta R.T. -0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:149 Resp: 28624

Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.4	8.0
279	0.9	0.7	1.1

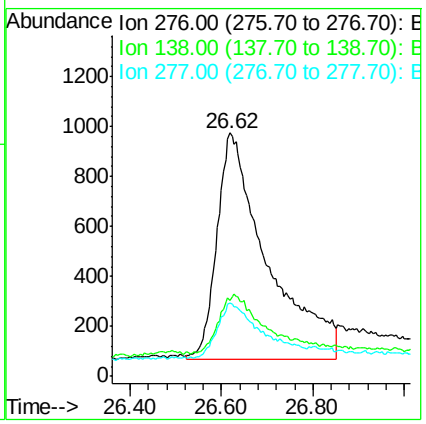




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.179 ng m
RT: 26.62 min Scan# 2712
Delta R.T. 0.01 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:276 Resp: 6954

Ion	Ratio	Lower	Upper
276	100		
138	22.1	22.2	33.2#
277	20.2	19.5	29.3



Instrument :
BNA_E
ClientSampleId :
PB102310BS

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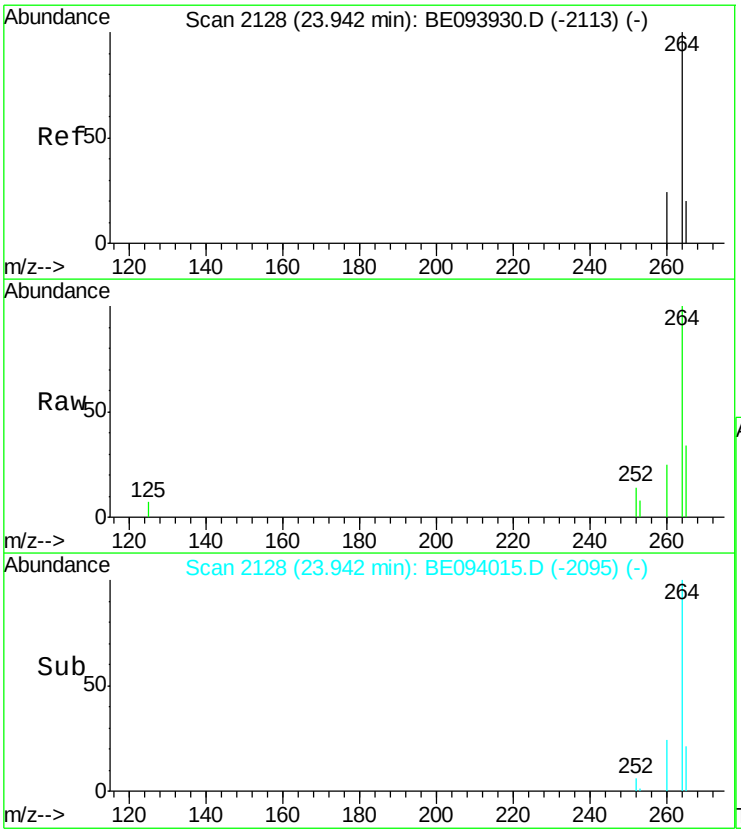
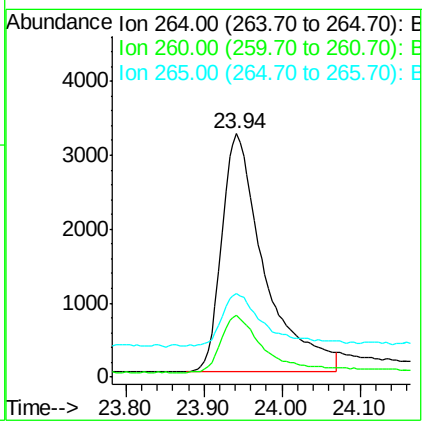
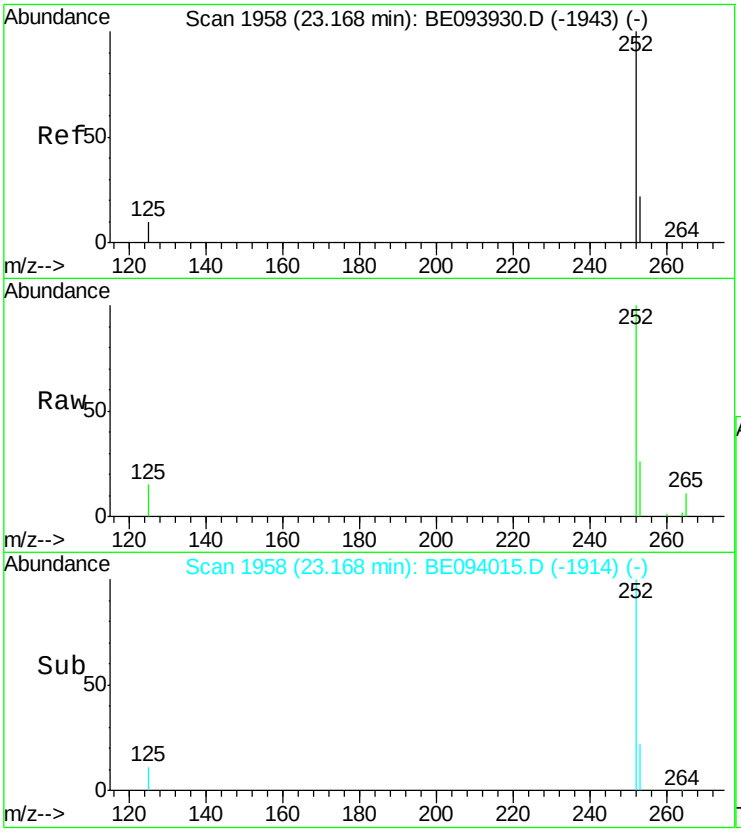


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.94 min Scan# 2128
Delta R.T. -0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:264 Resp: 12188

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.0	30.0
265	34.3	24.0	36.0

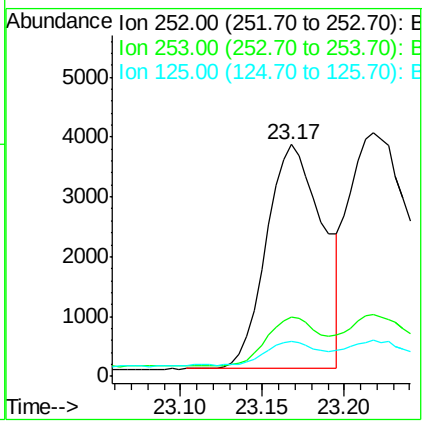




#35
Benzo(b)fluoranthene
Concen: 0.232 ng
RT: 23.17 min Scan# 1958
Delta R.T. -0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:252 Resp: 8986

Ion	Ratio	Lower	Upper
252	100		
253	25.9	19.4	29.0
125	15.0	10.0	15.0



Instrument :
BNA_E
ClientSampleId :
PB102310BS

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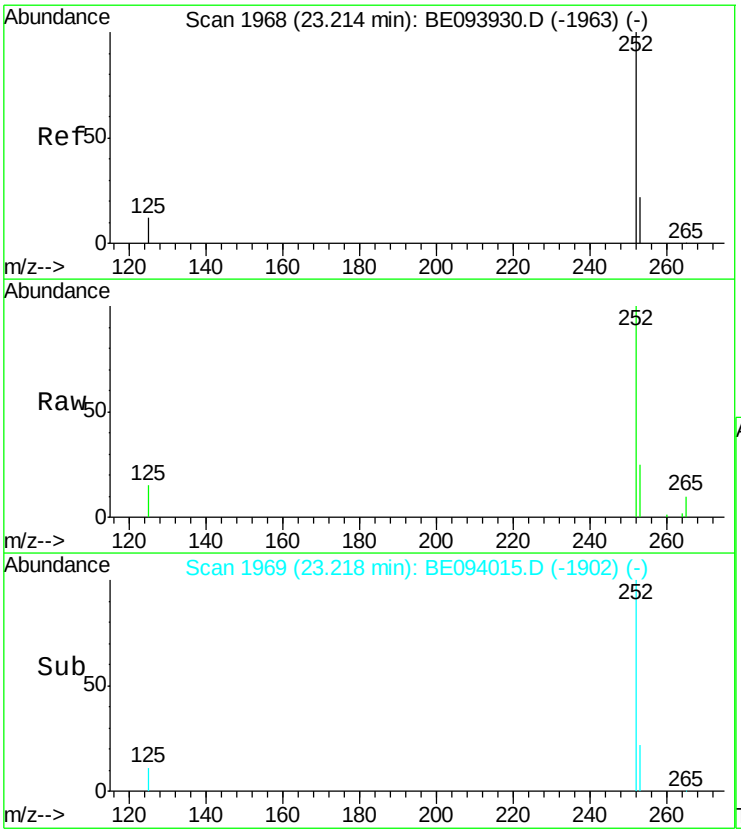
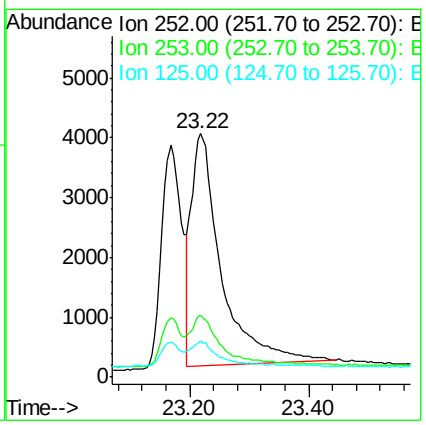
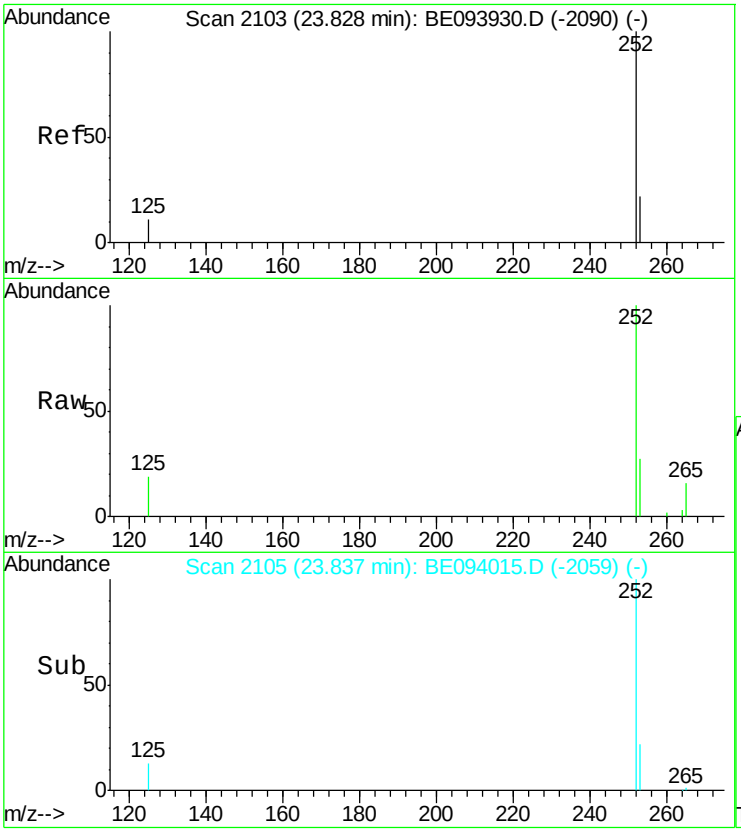


#36
Benzo(k)fluoranthene
Concen: 0.287 ng
RT: 23.22 min Scan# 1969
Delta R.T. 0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:252 Resp: 13669

Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.1	27.1
125	14.7	9.8	14.6#





#37
Benzo(a)pyrene
Concen: 0.248 ng
RT: 23.84 min Scan# 2105
Delta R.T. 0.01 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:252 Resp: 9802

Ion	Ratio	Lower	Upper
252	100		
253	27.2	19.6	29.4
125	18.7	11.8	17.8#

Instrument :
BNA_E
ClientSampleId :
PB102310BS

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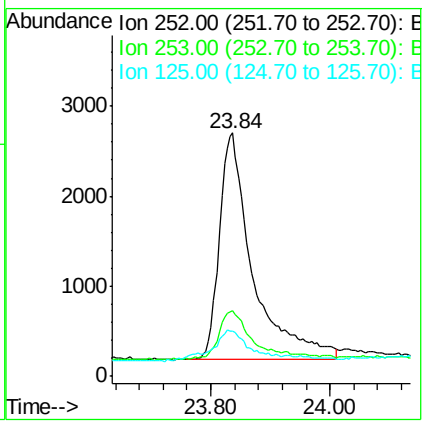
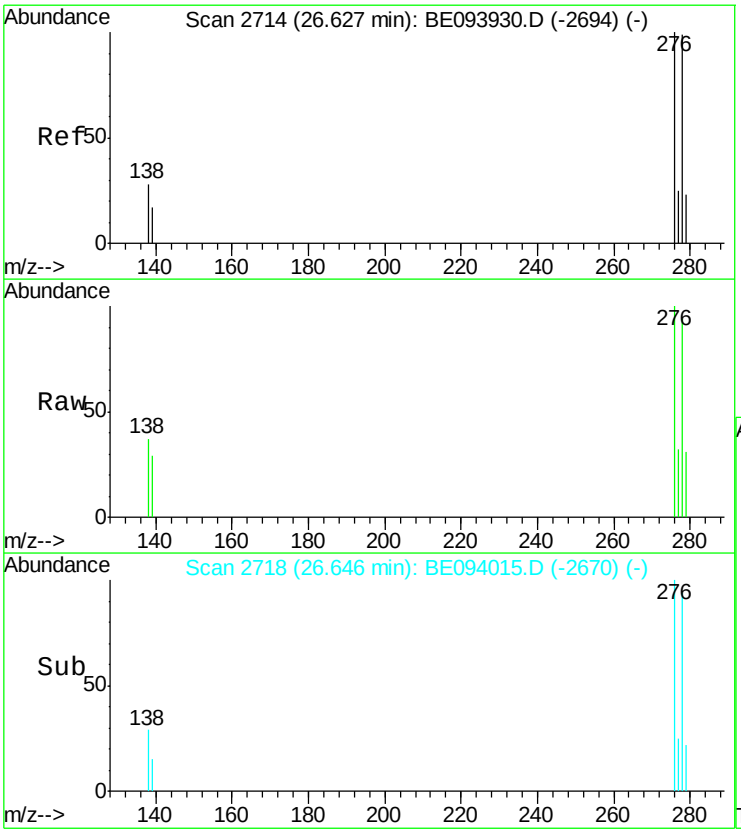
Sohil
9/18/2017 3:32:27 PM

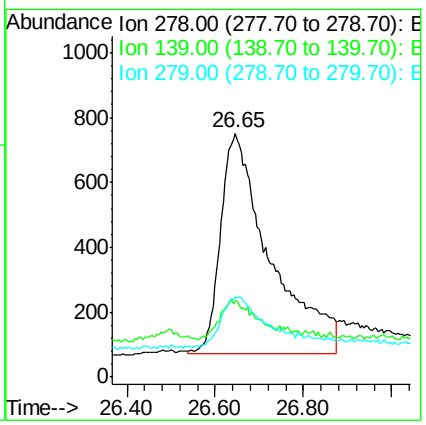


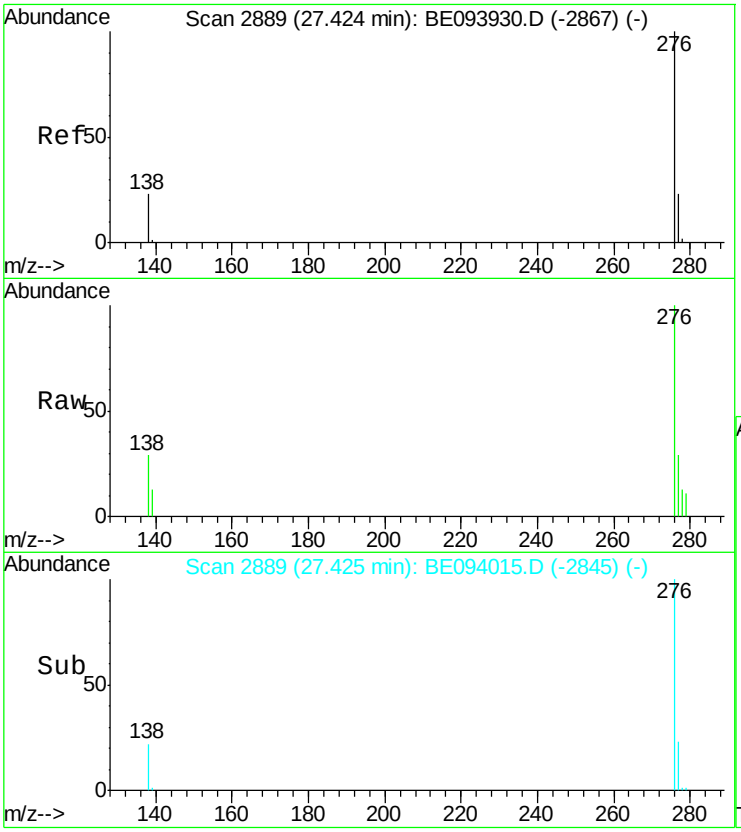


#38
Dibenzo(a,h)anthracene
Concen: 0.203 ng m
RT: 26.65 min Scan# 2718
Delta R.T. 0.02 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:278 Resp: 5309

Ion	Ratio	Lower	Upper
278	100		
139	31.3	16.7	25.1#
279	32.6	21.6	32.4#

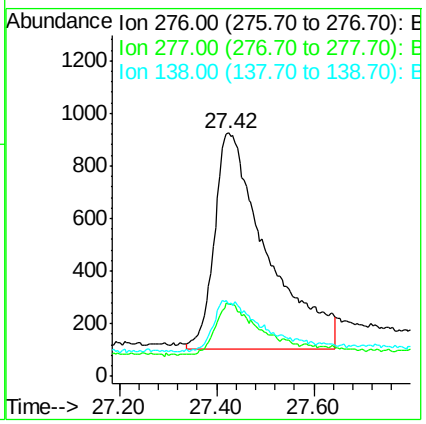




#39
Benzo(g,h,i)perylene
Concen: 0.223 ng m
RT: 27.42 min Scan# 2889
Delta R.T. 0.00 min
Lab File: BE094015.D
Acq: 15 Sep 2017 11:01

Tgt Ion:276 Resp: 6178

Ion	Ratio	Lower	Upper
276	100		
277	29.4	20.6	30.8
138	29.5	21.9	32.9



Instrument :
BNA_E
ClientSampleId :
PB102310BS

Manual Integrations APPROVED
Sohil
9/18/2017 3:32:27 PM