Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092517\
Data File : BE094118.D
Acq On : 26 Sep 2017 00:52
Operator : SJ/JU
Sample : I5340-05DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : LT-TS-005DL

Manual Integrations APPROVED
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9/26/2017 5:04:02 PM

Quant Time: Sep 26 03:46:20 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 25 17:37:08 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1719	0.40	ng		0.00
7) Naphthalene-d8	10.69	136	8666	0.40	ng		0.00
13) Acenaphthene-d10	14.51	164	5401	0.40	ng		0.00
19) Phenanthrene-d10	17.24	188	19070	0.40	ng		0.00
27) Chrysene-d12	21.40	240	15489	0.40	ng		0.00
34) Perylene-d12	23.91	264	14559	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.50	112	1140	0.17	ng		0.00
5) Phenol-d6	7.09	99	1493	0.16	ng		0.00
8) Nitrobenzene-d5	9.06	82	1233	0.15	ng		0.00
11) 2-Methylnaphthalene-d10	12.27	152	1677	0.13	ng		0.00
14) 2,4,6-Tribromophenol	16.00	330	334	0.08	ng		0.00
15) 2-Fluorobiphenyl	13.15	172	2203	0.12	ng		0.01
25) Fluoranthene-d10	19.27	212	18872	0.10	ng		0.00
29) Terphenyl-d14	19.85	244	2750	0.10	ng		0.00
Target Compounds							Qvalue
9) Naphthalene	10.74	128	3030	0.031	ng	#	92
12) 2-Methylnaphthalene	12.35	142	342	0.022	ng	#	83
16) Acenaphthylene	14.23	152	3433	0.127	ng		98
17) Acenaphthene	14.57	154	599	0.035	ng	#	90
18) Fluorene	15.56	166	1203	0.052	ng		90
23) Phenanthrene	17.27	178	33413	0.685	ng		98
24) Anthracene	17.37	178	5111	0.100	ng	#	95
26) Fluoranthene	19.30	202	66004	1.207	ng		99
28) Pyrene	19.66	202	65998	1.345	ng	#	96
30) Benzo(a)anthracene	21.38	228	31080	0.596	ng		96
31) Chrysene	21.44	228	36900	0.733	ng		96
33) Indeno(1,2,3-cd)pyrene	26.55	276	20730	0.385	ng		96
35) Benzo(b)fluoranthene	23.14	252	45114	0.859	ng	#	94
36) Benzo(k)fluoranthene	23.18	252	14857m	0.295	ng		
37) Benzo(a)pyrene	23.79	252	30761	0.648	ng		96
38) Dibenzo(a,h)anthracene	26.56	278	5322	0.118	ng	#	64
39) Benzo(g,h,i)perylene	27.38	276	20860	0.469	ng		99

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

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Instrument :
BNA_E
ClientSampleId :
LT-TS-005DL

Manual Integrations APPROVED
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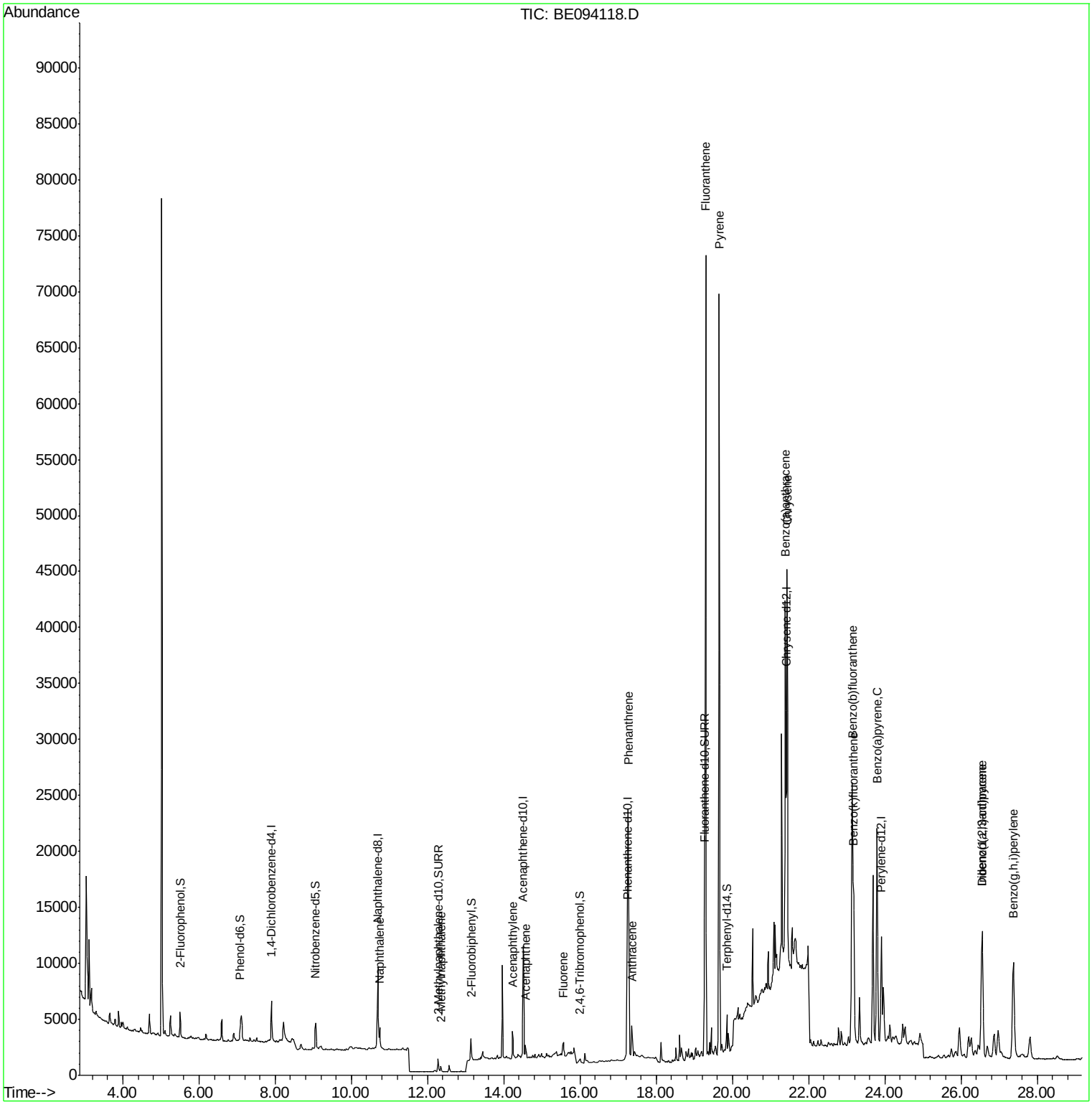
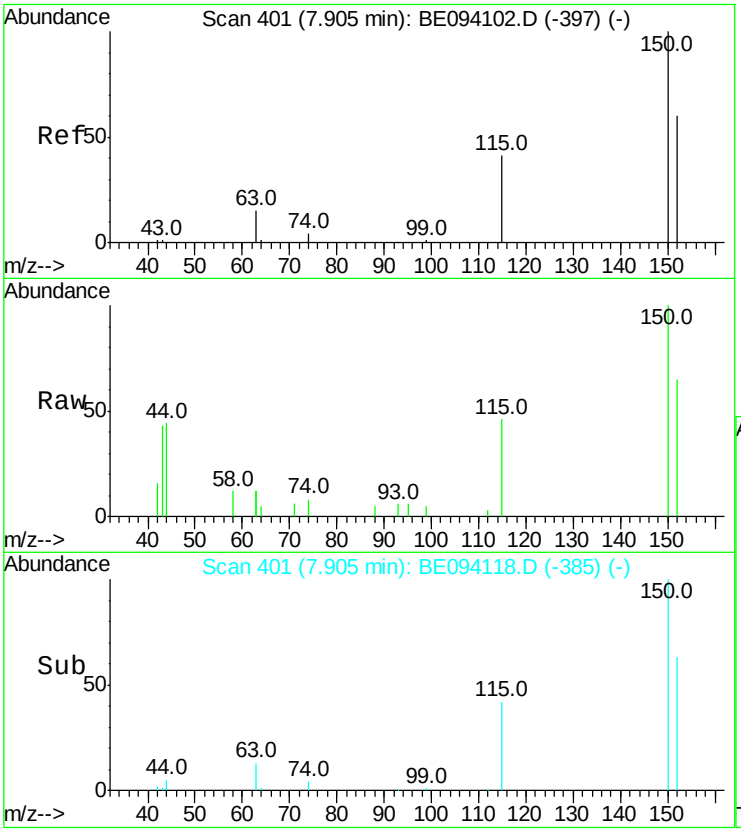
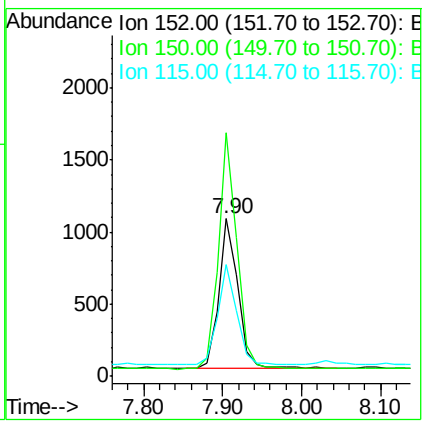




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.90 min Scan# 401
Delta R.T. -0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:152 Resp: 1719

Ion	Ratio	Lower	Upper
152	100		
150	154.9	117.2	175.8
115	71.3	57.0	85.6



Instrument :
BNA_E
ClientSampleId :
LT-TS-005DL

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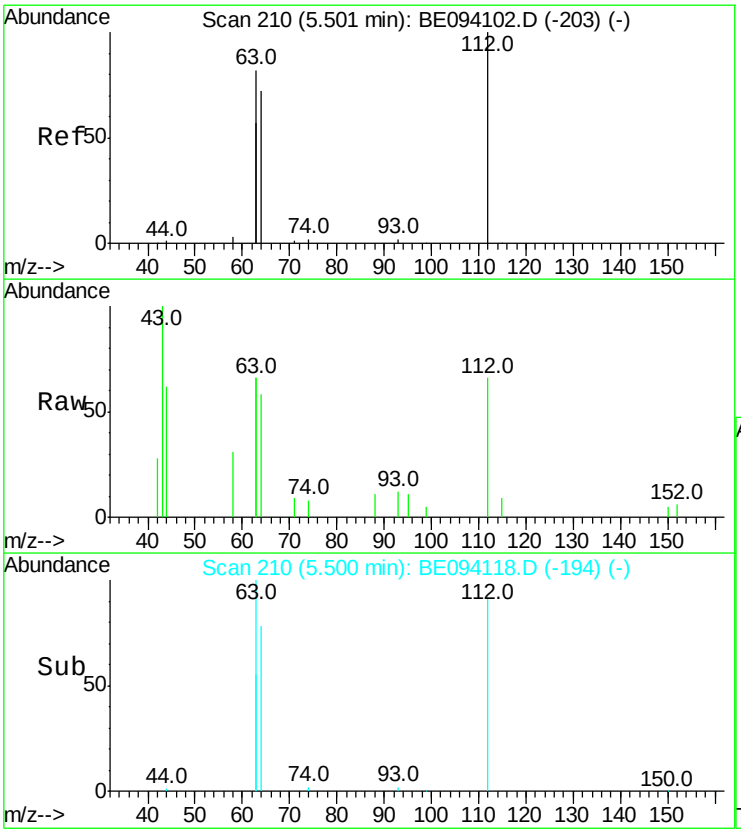
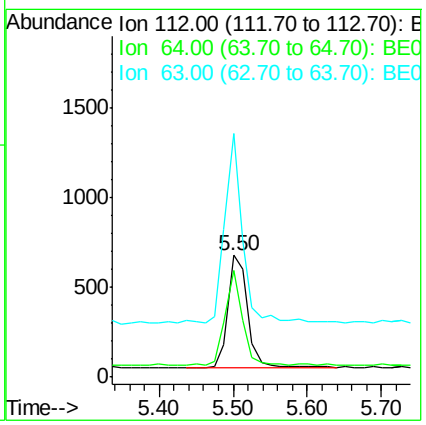
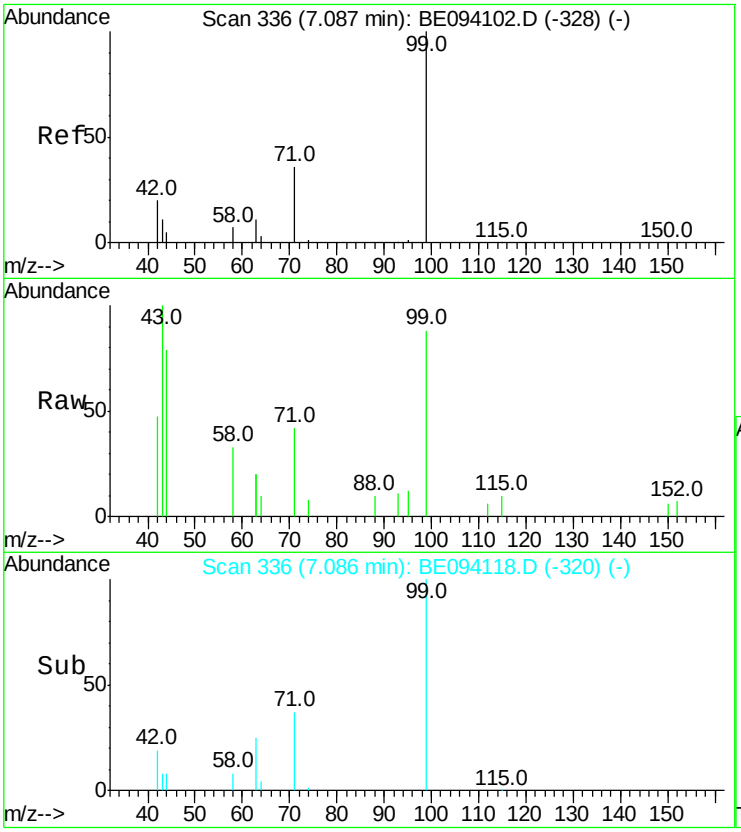


#4
2-Fluorophenol
Concen: 0.175 ng
RT: 5.50 min Scan# 210
Delta R.T. -0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:112 Resp: 1140

Ion	Ratio	Lower	Upper
112	100		
64	75.1	60.1	90.1
63	150.3	116.8	175.2

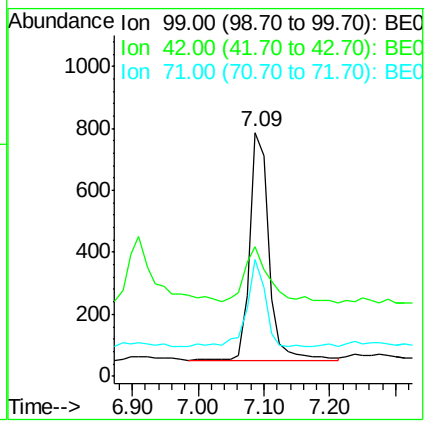




#5
Phenol-d6
Concen: 0.165 ng
RT: 7.09 min Scan# 336
Delta R.T. -0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion: 99 Resp: 1493

Ion	Ratio	Lower	Upper
99	100		
42	31.9	20.2	30.2#
71	36.8	28.4	42.6



Instrument :
BNA_E
ClientSampleId :
LT-TS-005DL

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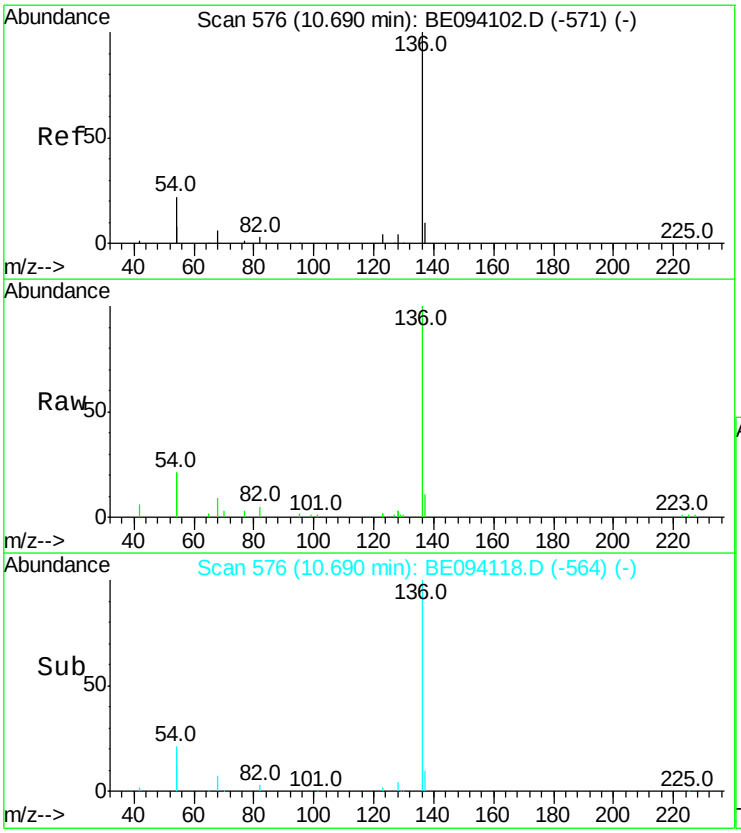
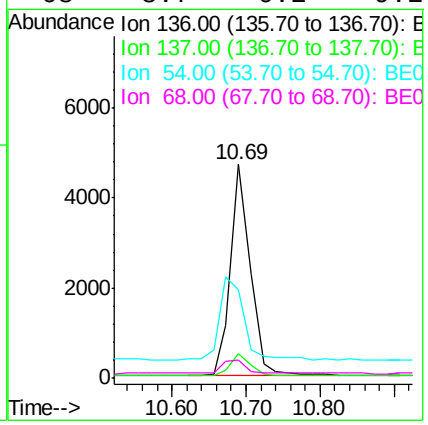
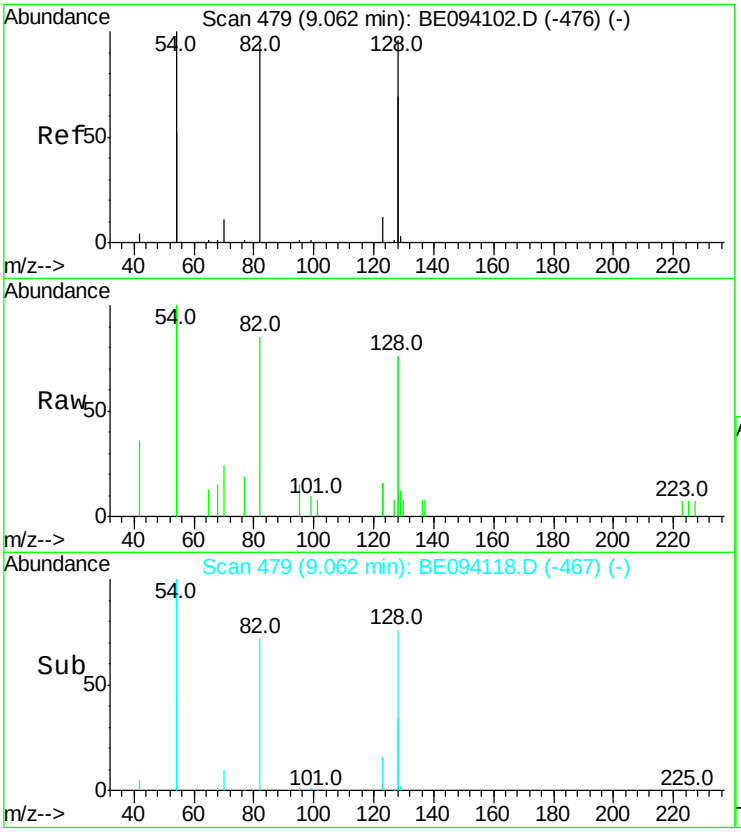


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.69 min Scan# 576
Delta R.T. -0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:136 Resp: 8666

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.5	14.3
54	41.1	29.1	43.7
68	8.7	6.2	9.2





#8
Nitrobenzene-d5
Concen: 0.147 ng
RT: 9.06 min Scan# 479
Delta R.T. -0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion: 82 Resp: 1233

Ion	Ratio	Lower	Upper
82	100		
128	177.6	150.0	225.0
54	234.6	154.2	231.4#

Instrument :
BNA_E
ClientSampleId :
LT-TS-005DL

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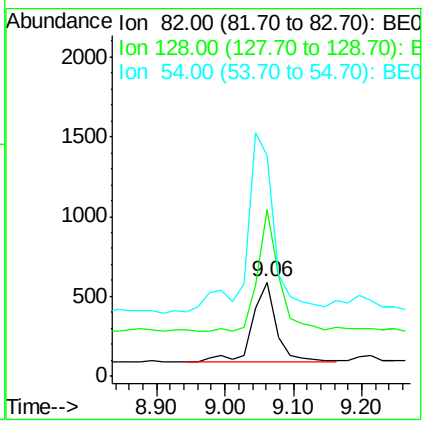
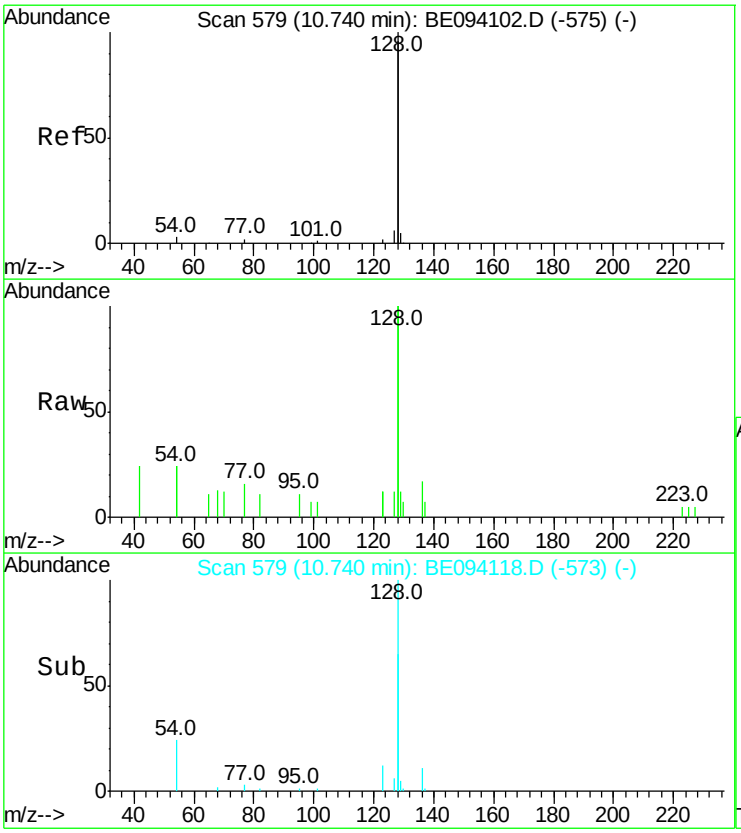
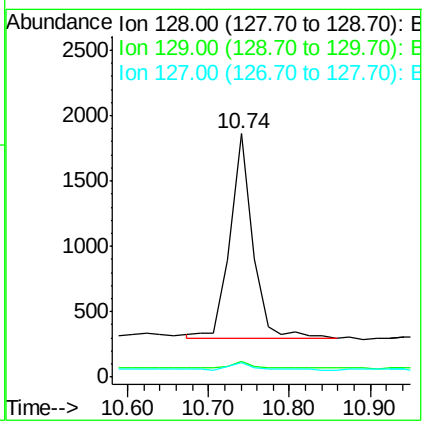


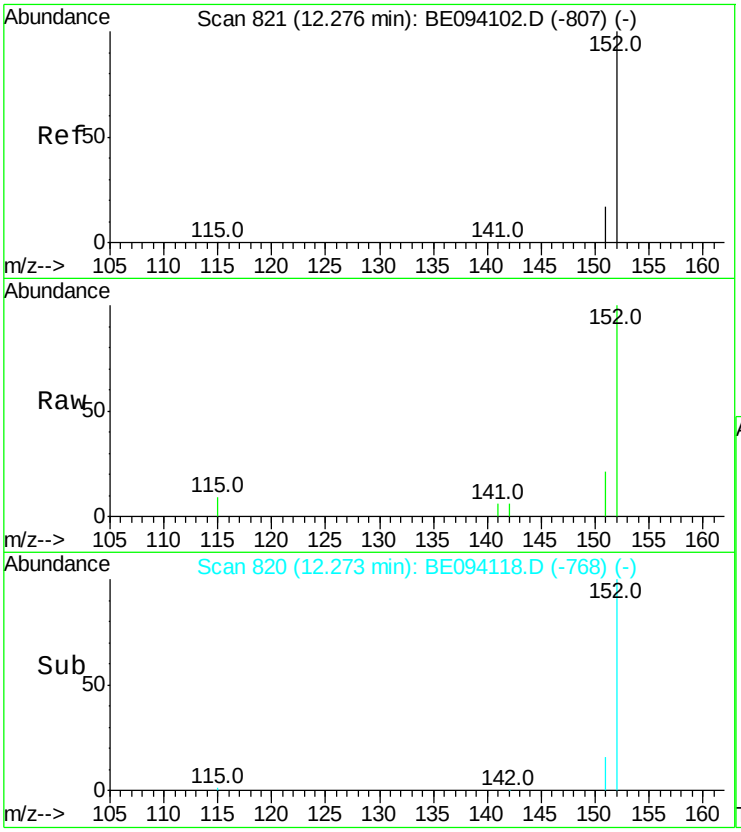


#9
Naphthalene
Concen: 0.031 ng
RT: 10.74 min Scan# 579
Delta R.T. -0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:128 Resp: 3030

Ion	Ratio	Lower	Upper
128	100		
129	6.2	2.6	3.8#
127	5.9	2.8	4.2#

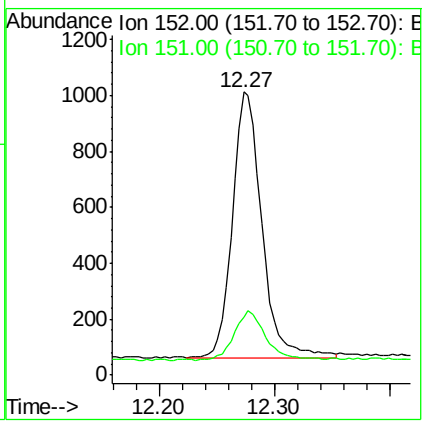




#11
2-Methylnaphthalene-d10
Concen: 0.126 ng
RT: 12.27 min Scan# 820
Delta R.T. -0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:152 Resp: 1677

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.4	23.0



Instrument :
BNA_E
ClientSampleId :
LT-TS-005DL

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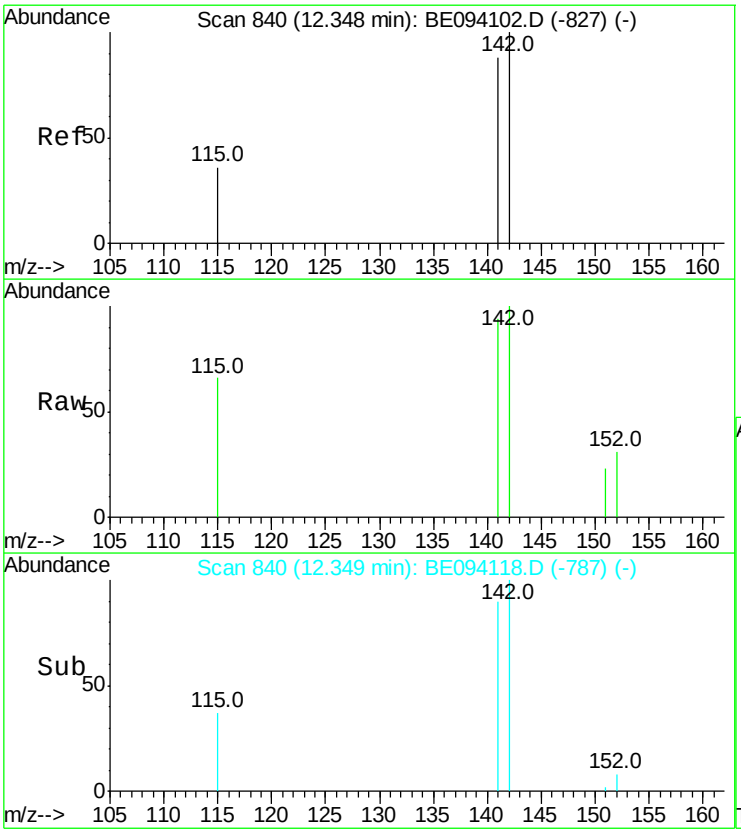
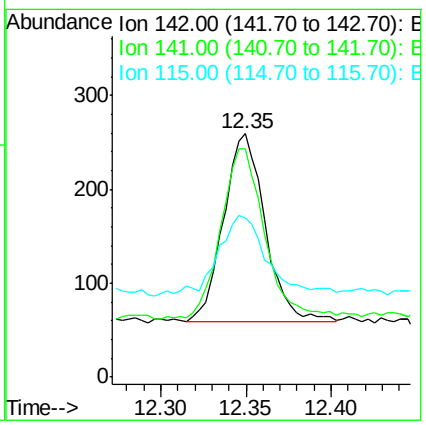
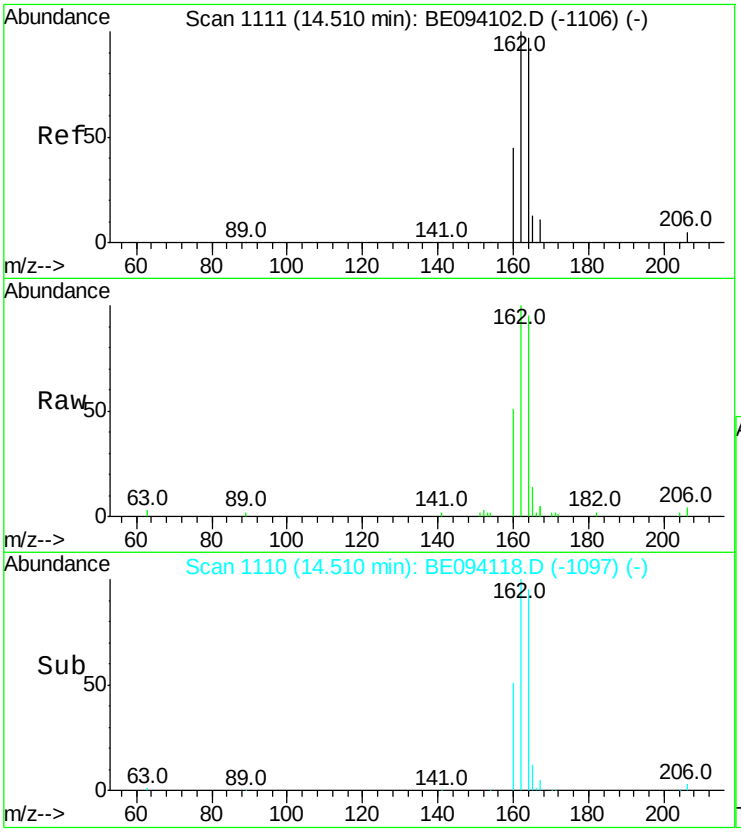


#12
2-Methylnaphthalene
Concen: 0.022 ng
RT: 12.35 min Scan# 840
Delta R.T. 0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:142 Resp: 342

Ion	Ratio	Lower	Upper
142	100		
141	93.8	70.4	105.6
115	65.6	31.7	47.5#

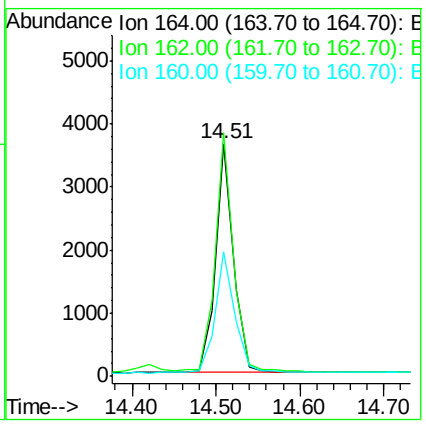




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1110
Delta R.T. -0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:164 Resp: 5401

Ion	Ratio	Lower	Upper
164	100		
162	104.8	83.1	124.7
160	53.7	37.1	55.7



Instrument :
BNA_E
ClientSampleId :
LT-TS-005DL

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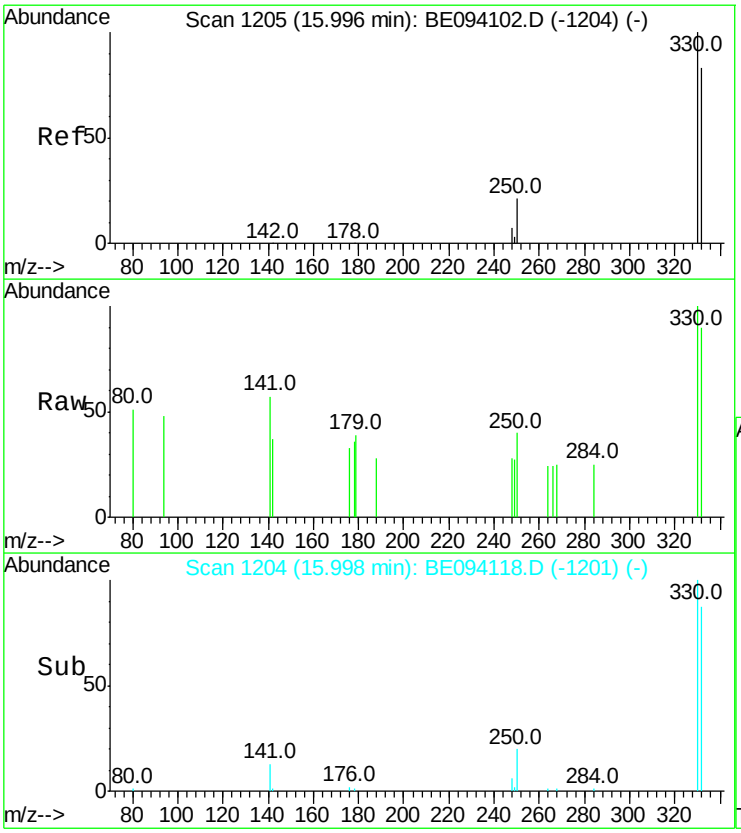
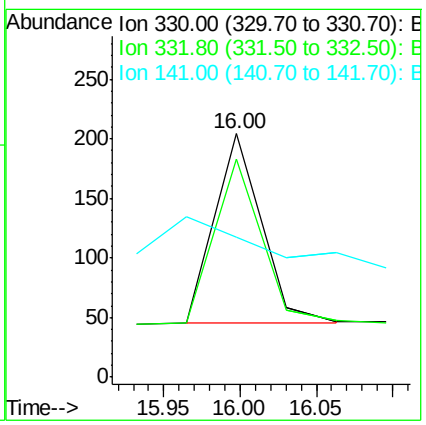
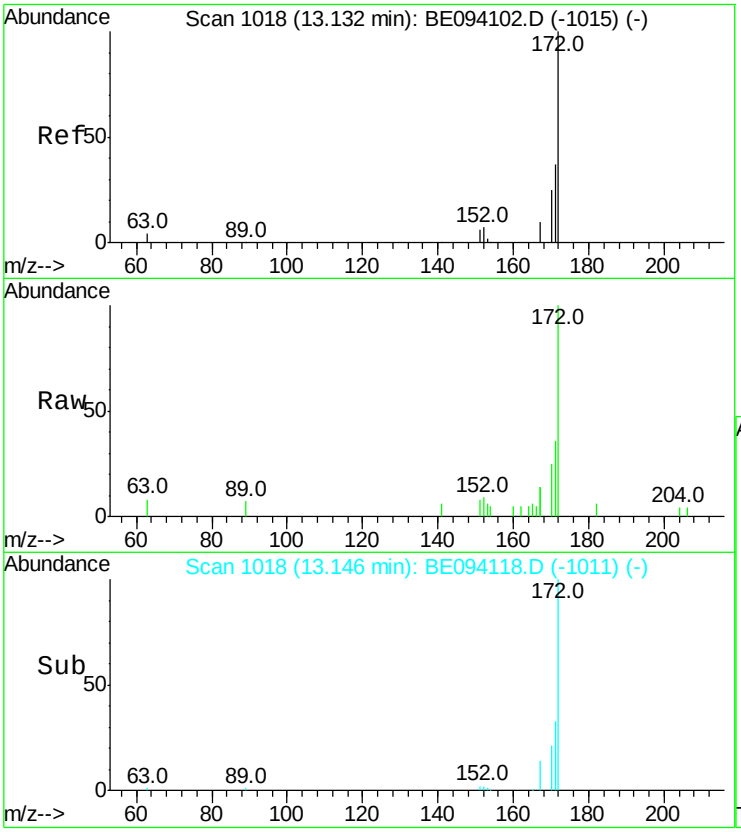


#14
2,4,6-Tribromophenol
Concen: 0.077 ng
RT: 16.00 min Scan# 1204
Delta R.T. 0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:330 Resp: 334

Ion	Ratio	Lower	Upper
330	100		
332	87.1	152.7	229.1#
141	0.0	33.7	50.5#

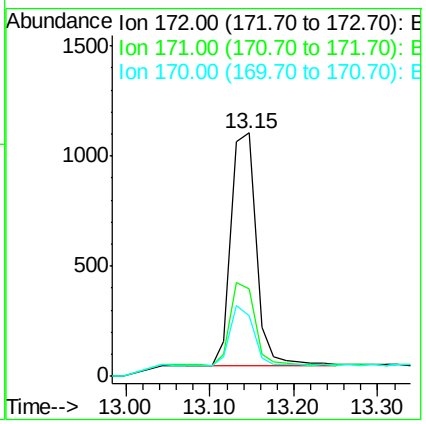




#15
2-Fluorobiphenyl
Concen: 0.123 ng
RT: 13.15 min Scan# 1018
Delta R.T. 0.01 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:172 Resp: 2203

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.9	44.9
170	24.7	21.8	32.8



Instrument :
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ClientSampleId :
LT-TS-005DL

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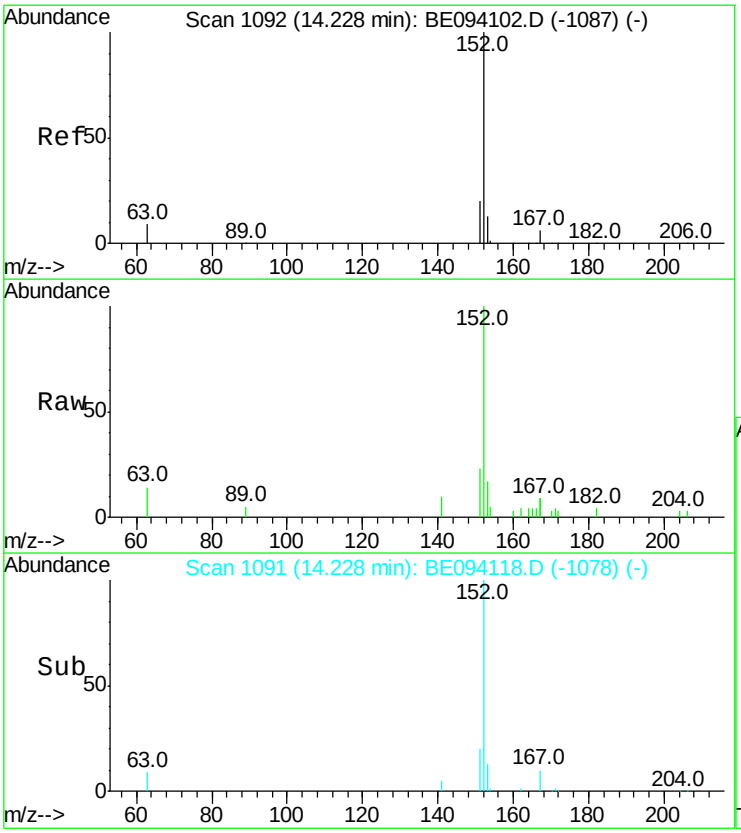
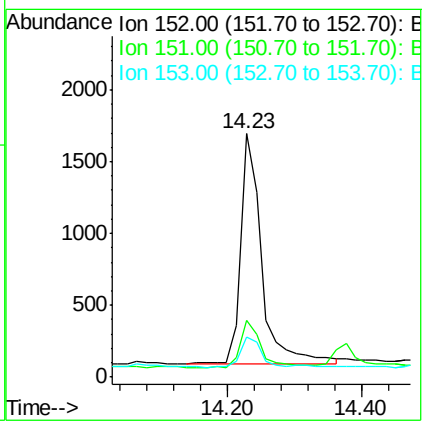
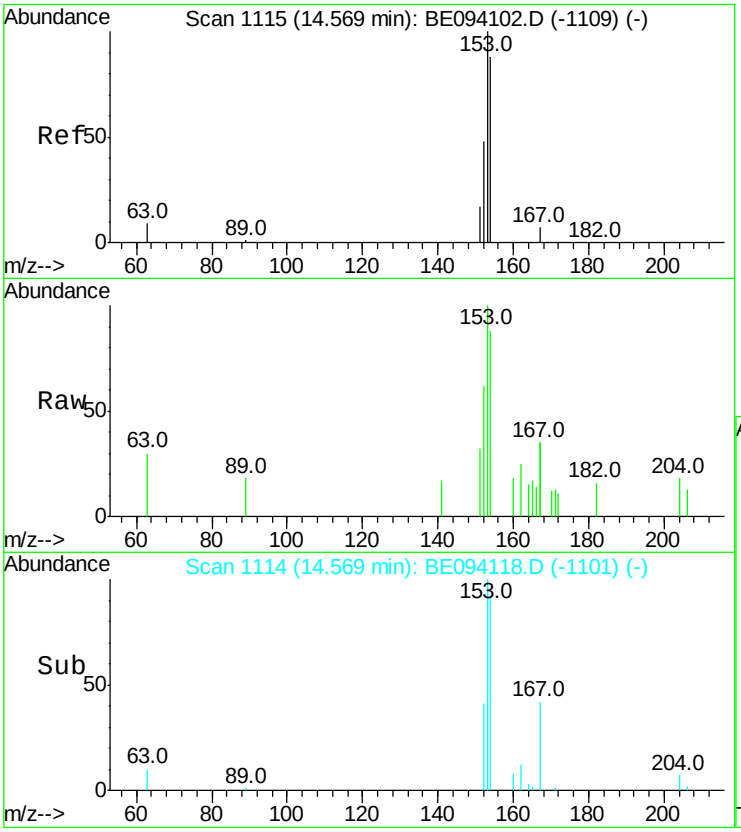


#16
Acenaphthylene
Concen: 0.127 ng
RT: 14.23 min Scan# 1091
Delta R.T. -0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:152 Resp: 3433

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.7	23.5
153	14.4	10.5	15.7

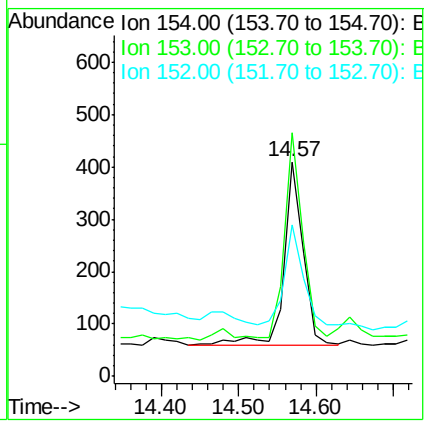




#17
Acenaphthene
Concen: 0.035 ng
RT: 14.57 min Scan# 1114
Delta R.T. -0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:154 Resp: 599

Ion	Ratio	Lower	Upper
154	100		
153	103.8	89.2	133.8
152	64.1	42.0	63.0#



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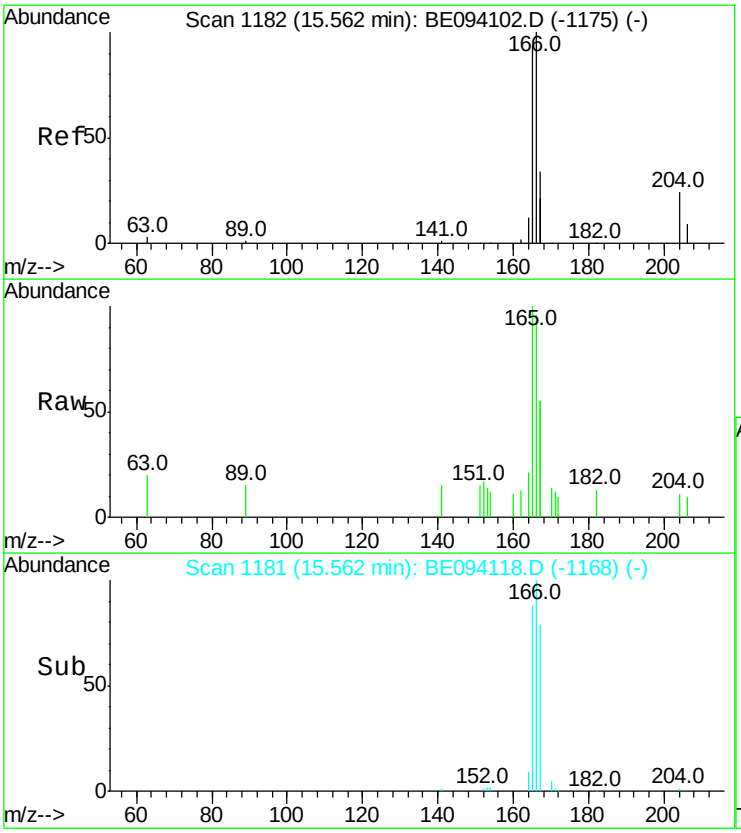
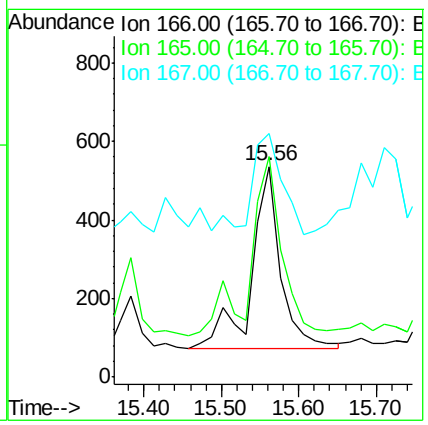
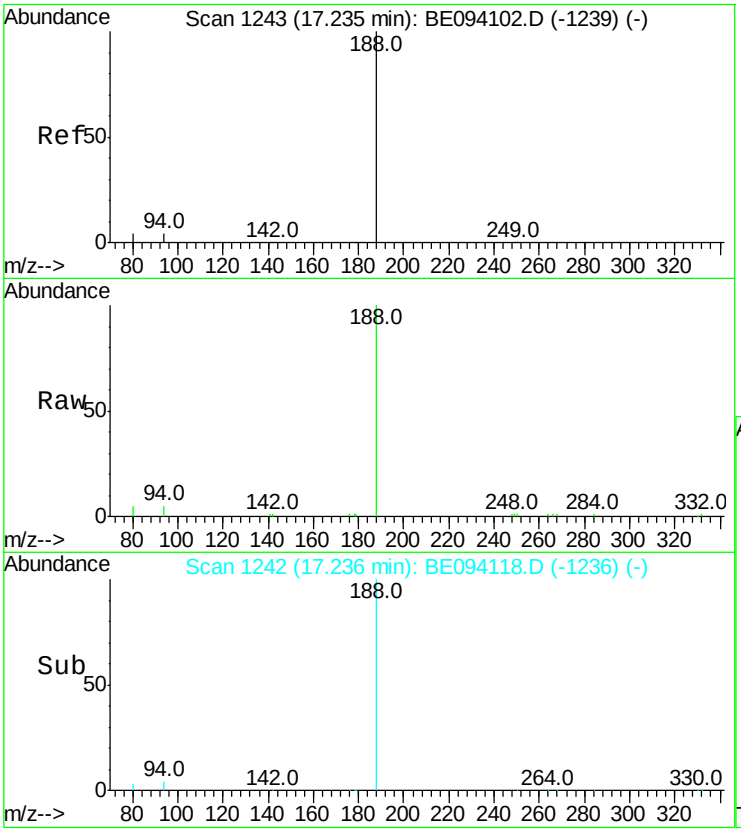


#18
Fluorene
Concen: 0.052 ng
RT: 15.56 min Scan# 1181
Delta R.T. -0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:166 Resp: 1203

Ion	Ratio	Lower	Upper
166	100		
165	109.5	77.8	116.6
167	49.6	42.4	63.6

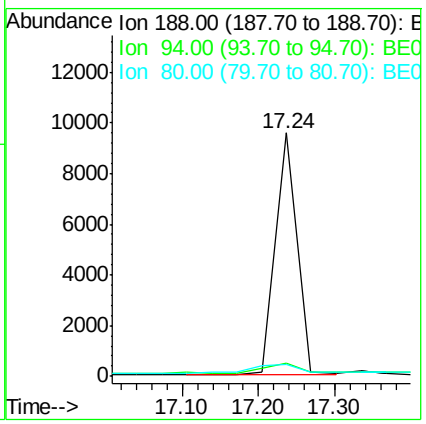




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1242
Delta R.T. 0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:188 Resp: 19070

Ion	Ratio	Lower	Upper
188	100		
94	5.4	3.9	5.9
80	4.8	3.6	5.4



Instrument :
BNA_E
ClientSampleId :
LT-TS-005DL

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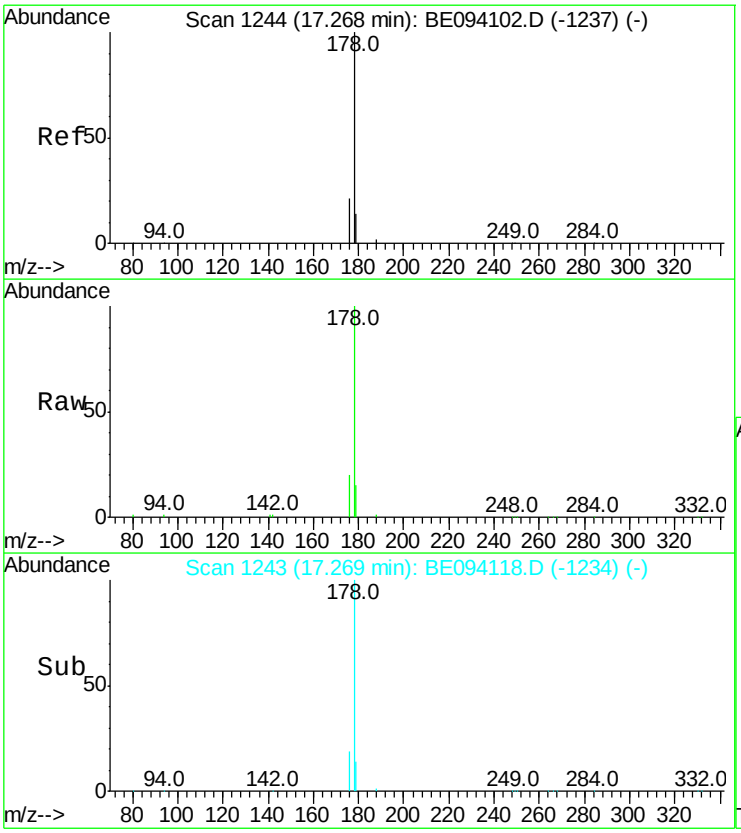
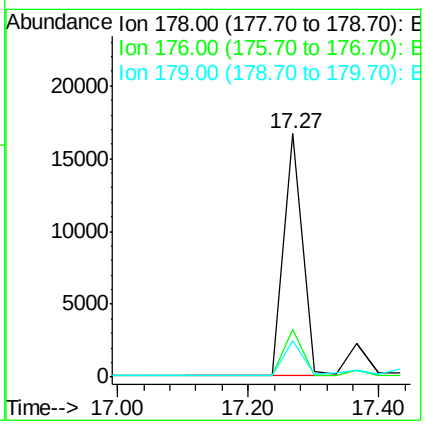
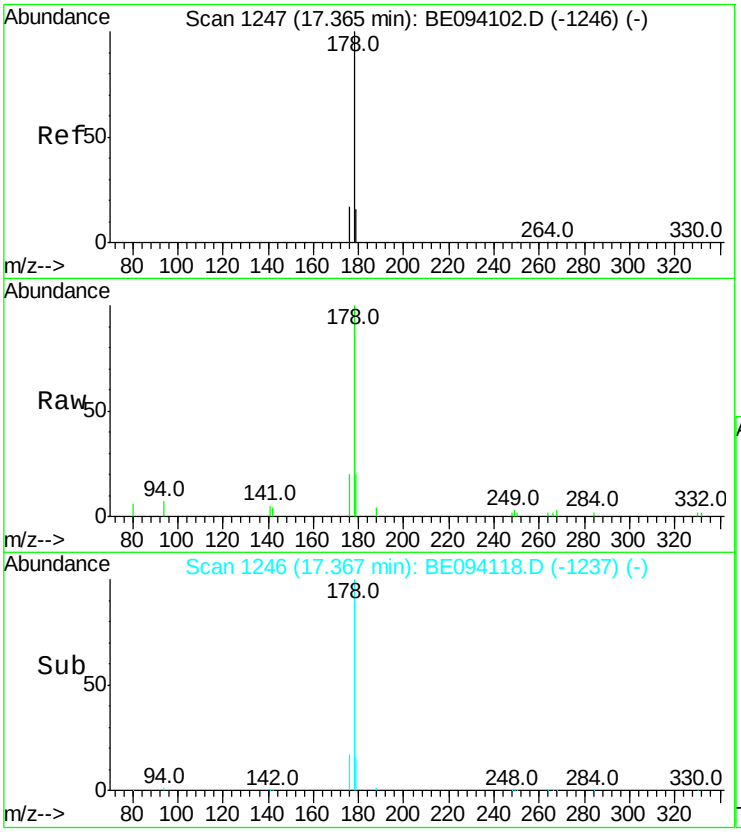


#23
Phenanthrene
Concen: 0.685 ng
RT: 17.27 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:178 Resp: 33413

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.1	22.7
179	15.7	11.8	17.6

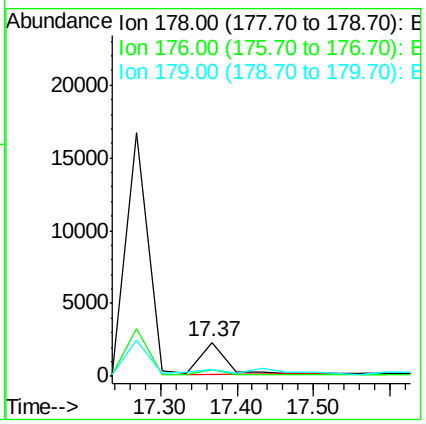




#24
Anthracene
Concen: 0.100 ng
RT: 17.37 min Scan# 1246
Delta R.T. 0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:178 Resp: 5111

Ion	Ratio	Lower	Upper
178	100		
176	15.9	12.8	19.2
179	12.0	13.0	19.6#



Instrument :
BNA_E
ClientSampleId :
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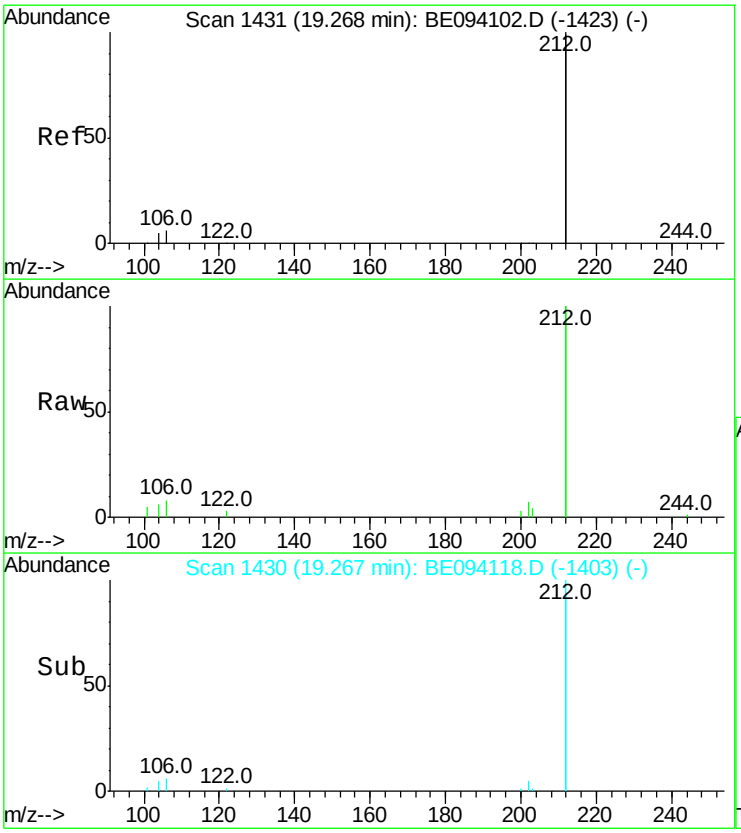
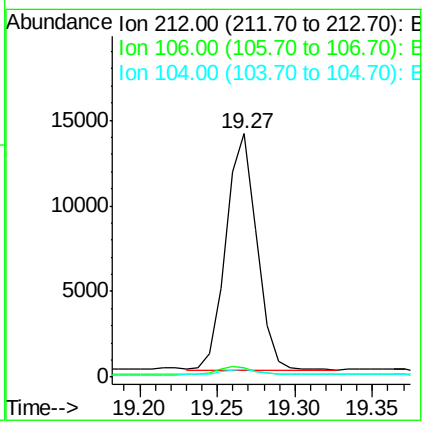
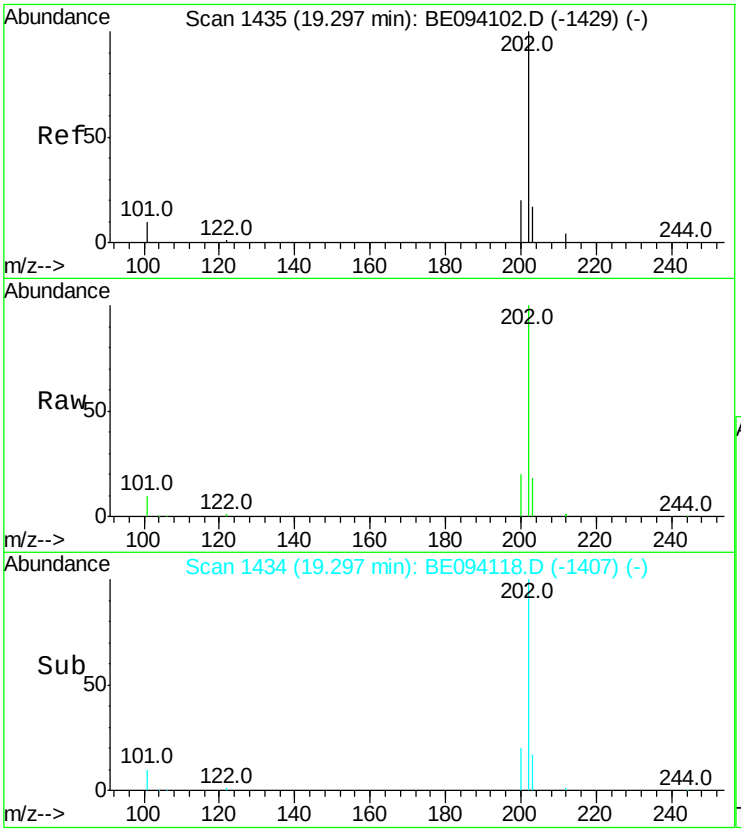


#25
Fluoranthene-d10
Concen: 0.102 ng
RT: 19.27 min Scan# 1430
Delta R.T. -0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:212 Resp: 18872

Ion	Ratio	Lower	Upper
212	100		
106	4.2	2.8	4.2#
104	3.2	1.6	2.4#





#26
Fluoranthene
Concen: 1.207 ng
RT: 19.30 min Scan# 1434
Delta R.T. -0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:202 Resp: 66004

Ion	Ratio	Lower	Upper
202	100		
101	12.6	9.8	14.8
203	17.5	13.7	20.5

Instrument :
BNA_E
ClientSampleId :
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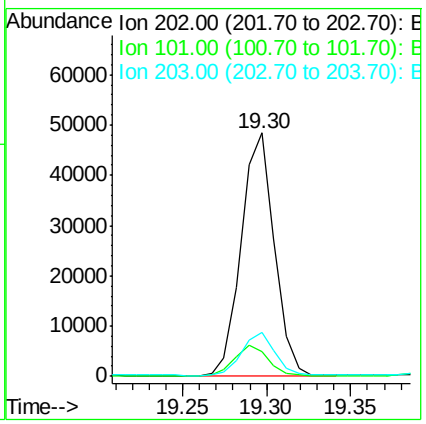
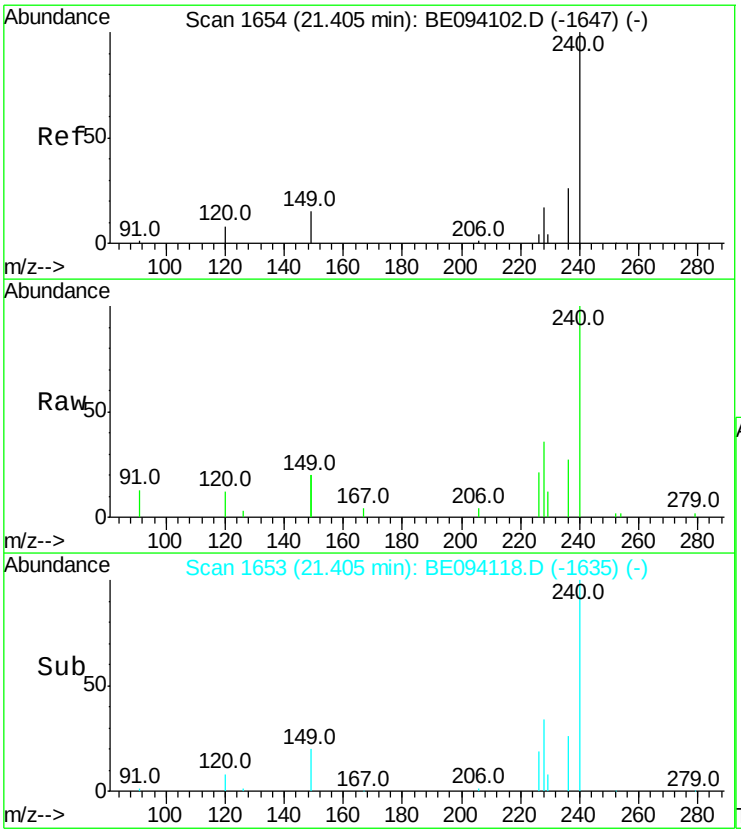
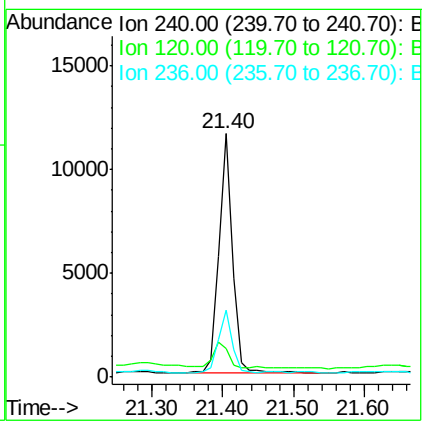


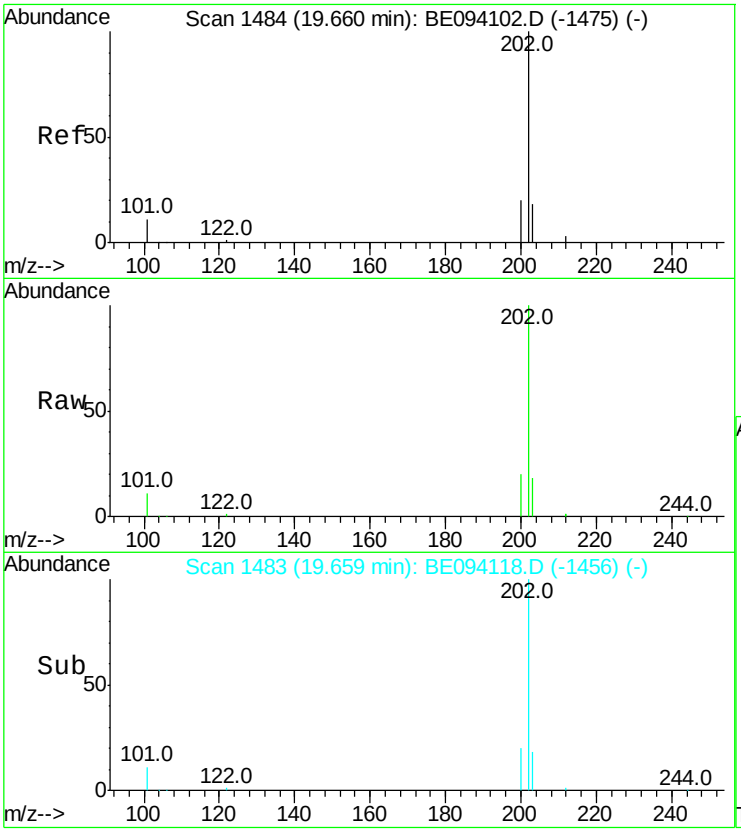


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1653
Delta R.T. -0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:240 Resp: 15489

Ion	Ratio	Lower	Upper
240	100		
120	11.6	5.5	8.3#
236	27.3	20.7	31.1





#28
Pyrene
Concen: 1.345 ng
RT: 19.66 min Scan# 1483
Delta R.T. -0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:202 Resp: 65998

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	21.3	13.8	20.8#

Instrument :
BNA_E
ClientSampleId :
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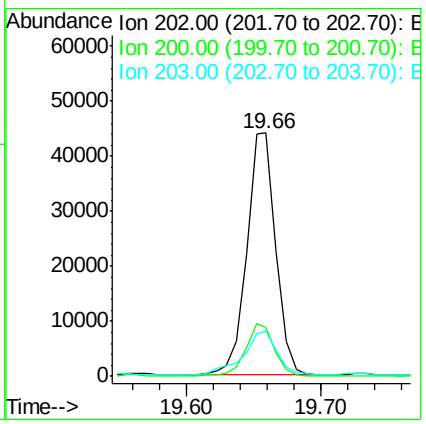
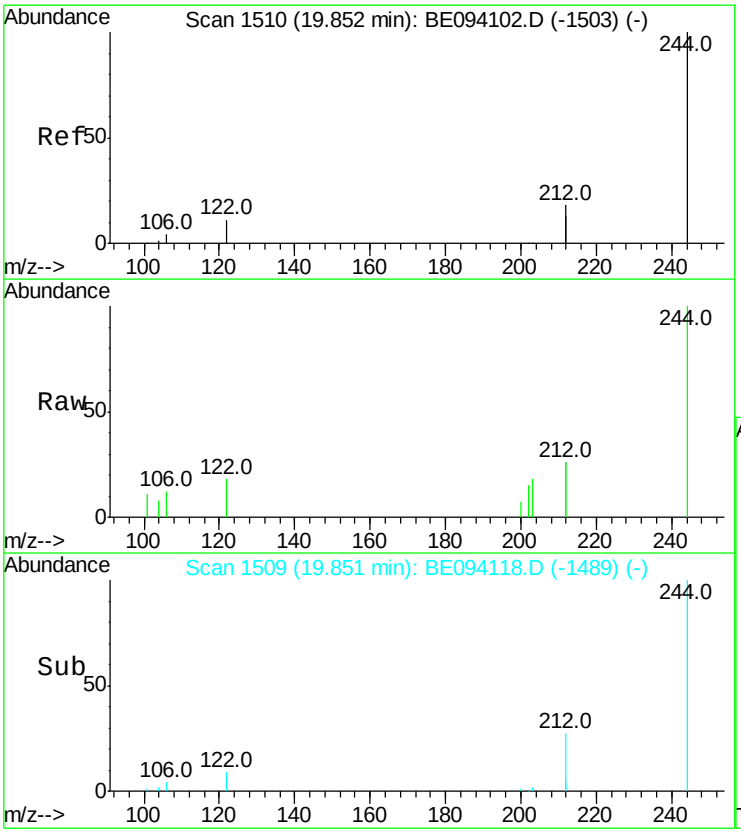
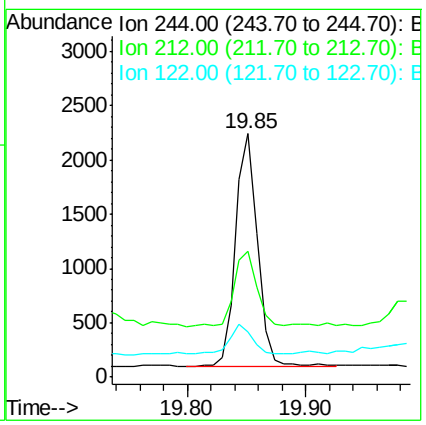


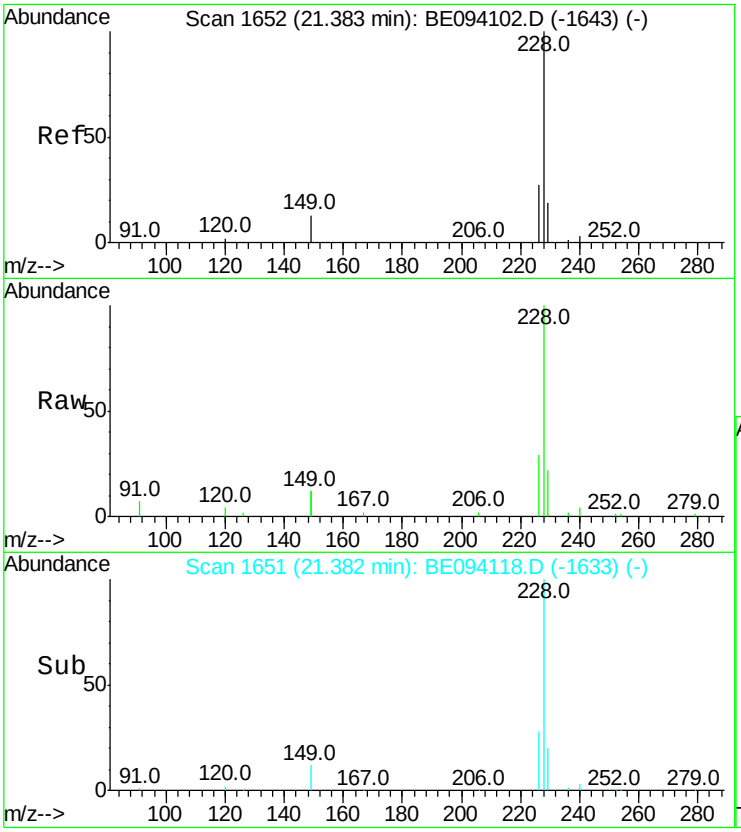


#29
Terphenyl-d14
Concen: 0.097 ng
RT: 19.85 min Scan# 1509
Delta R.T. -0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:244 Resp: 2750

Ion	Ratio	Lower	Upper
244	100		
212	51.8	25.4	38.0#
122	18.4	8.1	12.1#

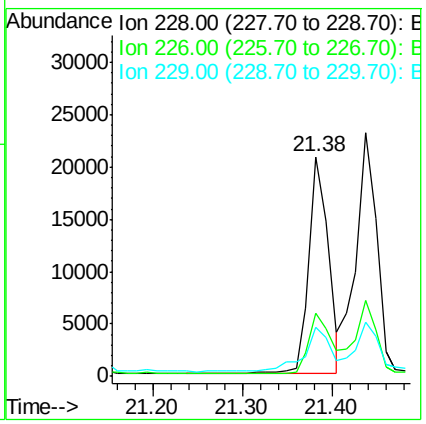




#30
Benzo(a)anthracene
Concen: 0.596 ng
RT: 21.38 min Scan# 1651
Delta R.T. -0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:228 Resp: 31080

Ion	Ratio	Lower	Upper
228	100		
226	28.9	21.4	32.0
229	22.3	16.4	24.6



Instrument :
BNA_E
ClientSampleId :
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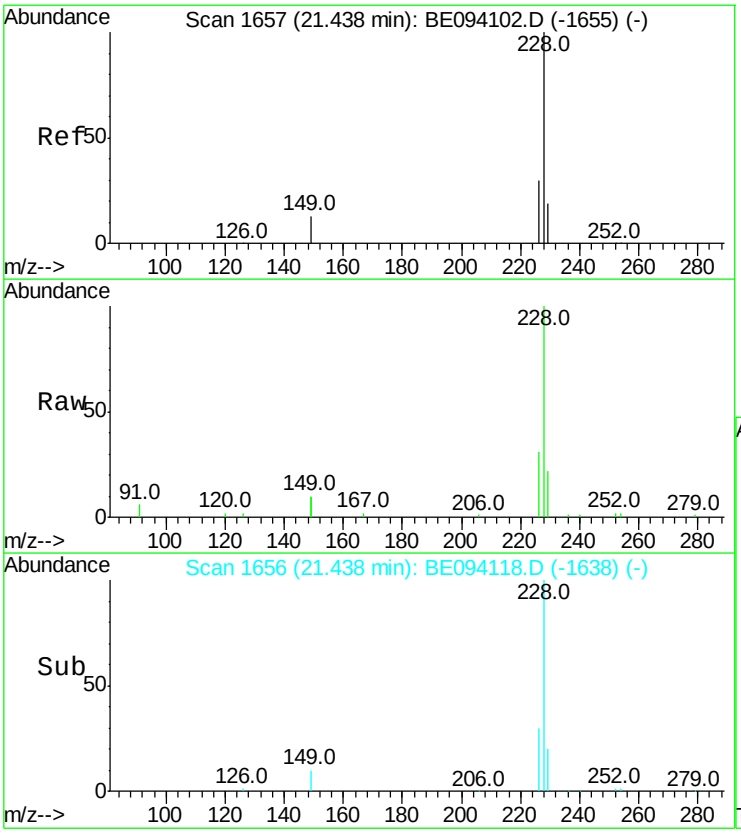
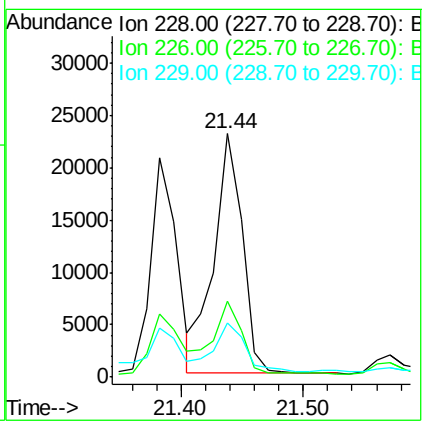
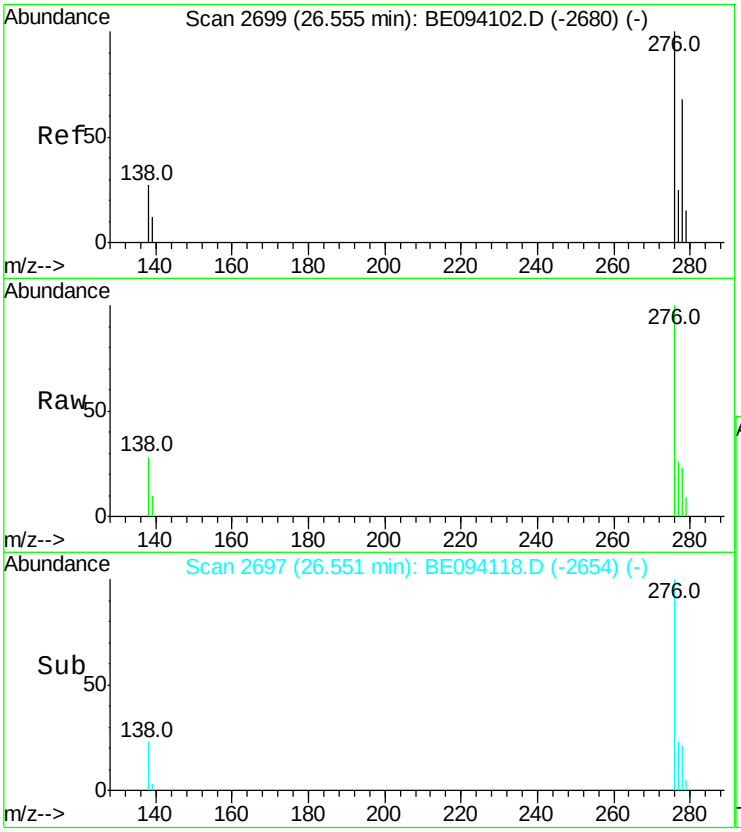


#31
Chrysene
Concen: 0.733 ng
RT: 21.44 min Scan# 1656
Delta R.T. -0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:228 Resp: 36900

Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.6	35.4
229	22.3	16.4	24.6





#33
Indeno(1,2,3-cd)pyrene
Concen: 0.385 ng
RT: 26.55 min Scan# 2697
Delta R.T. -0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:276 Resp: 20730

Ion	Ratio	Lower	Upper
276	100		
138	24.2	22.5	33.7
277	24.9	19.9	29.9

Instrument :
BNA_E
ClientSampleId :
LT-TS-005DL

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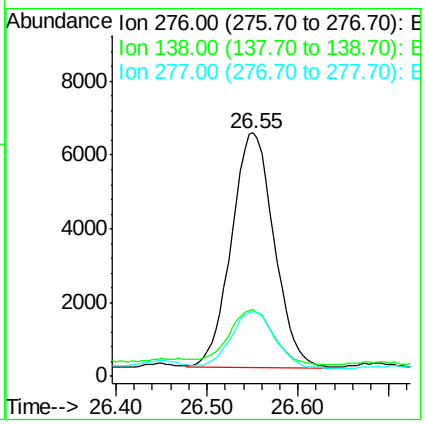
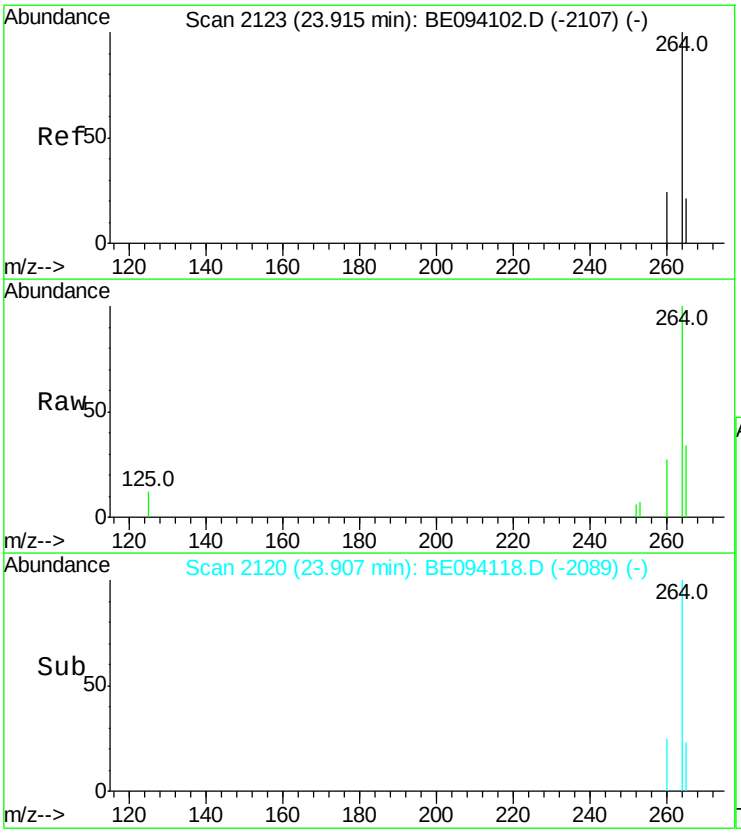
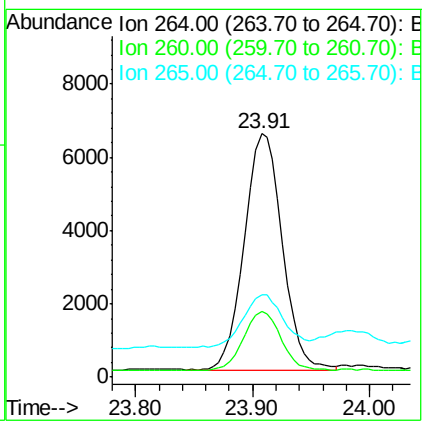


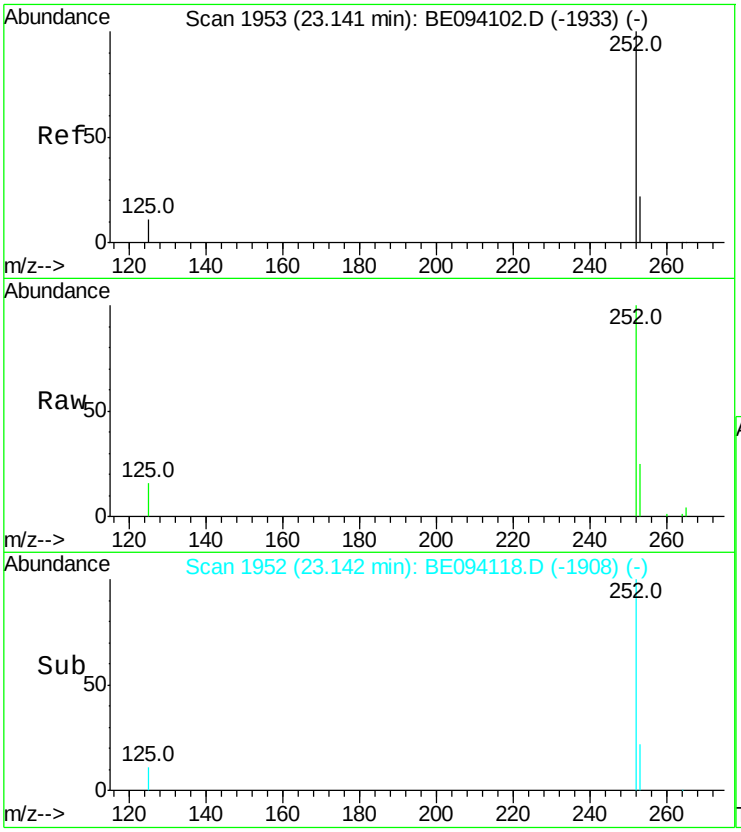


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.91 min Scan# 2120
Delta R.T. -0.01 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:264 Resp: 14559

Ion	Ratio	Lower	Upper
264	100		
260	27.0	20.5	30.7
265	33.9	22.8	34.2





#35
Benzo(b)fluoranthene
Concen: 0.859 ng
RT: 23.14 min Scan# 1952
Delta R.T. 0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:252 Resp: 45114

Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.2
125	15.6	10.1	15.1#

Instrument :
BNA_E
ClientSampleId :
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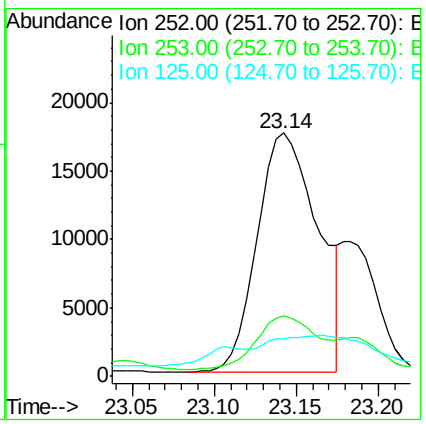
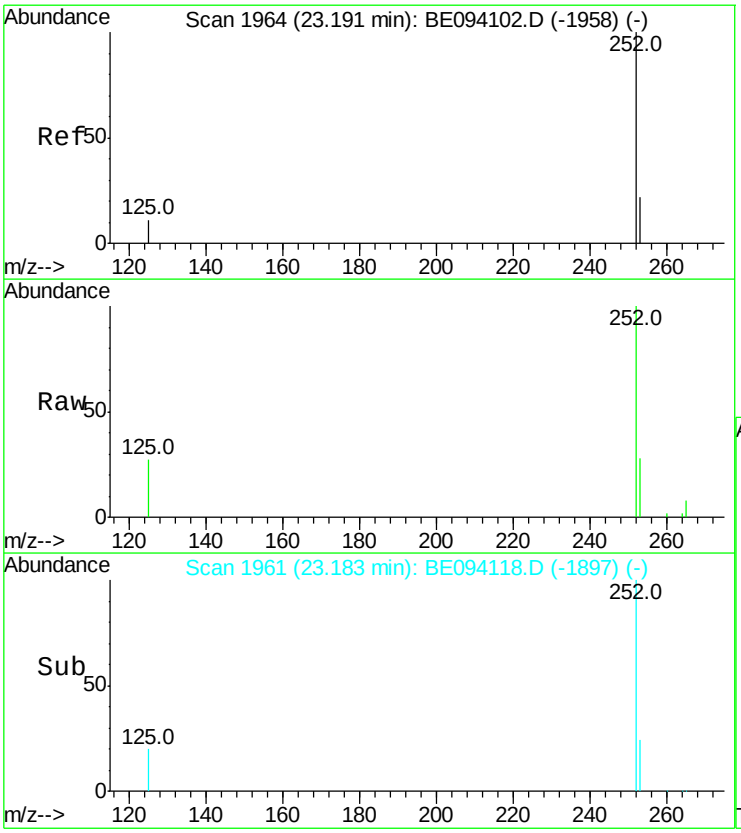
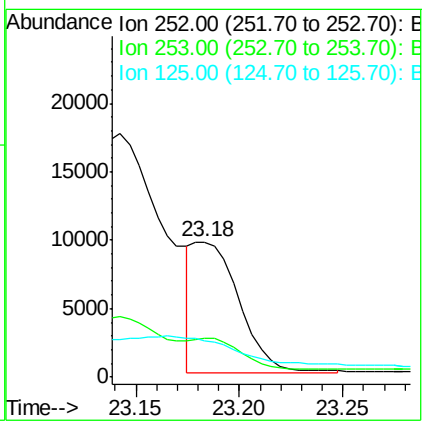


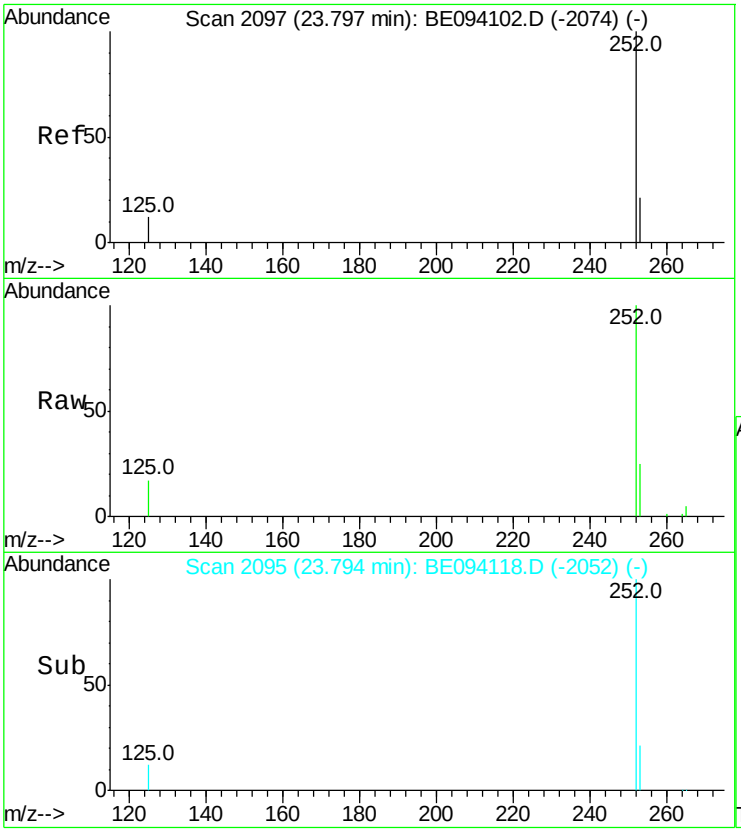


#36
Benzo(k)fluoranthene
Concen: 0.295 ng m
RT: 23.18 min Scan# 1961
Delta R.T. -0.01 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:252 Resp: 14857

Ion	Ratio	Lower	Upper
252	100		
253	28.3	18.6	27.8#
125	27.0	10.7	16.1#

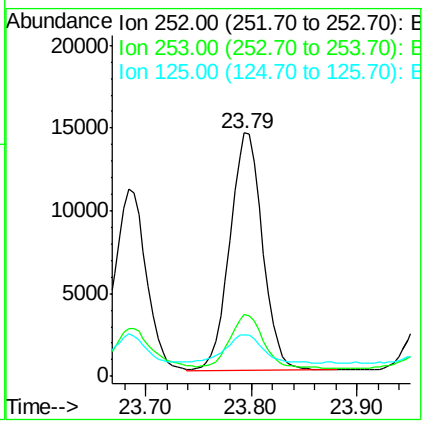




#37
Benzo(a)pyrene
Concen: 0.648 ng
RT: 23.79 min Scan# 2095
Delta R.T. -0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:252 Resp: 30761

Ion	Ratio	Lower	Upper
252	100		
253	25.2	19.0	28.6
125	17.1	11.8	17.8



Instrument :
BNA_E
ClientSampleId :
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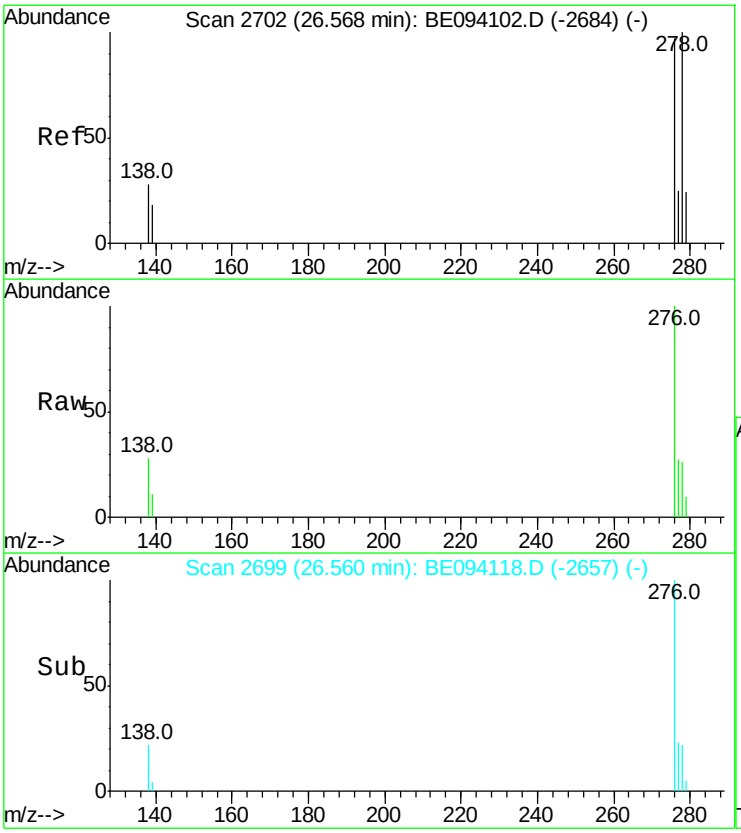
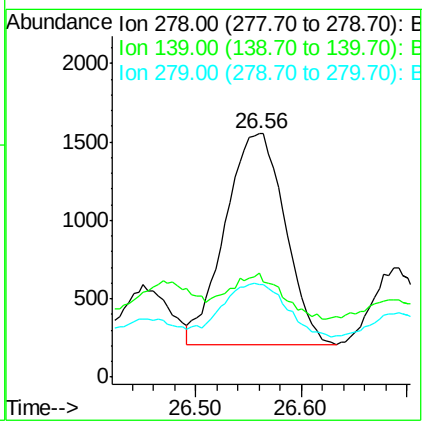
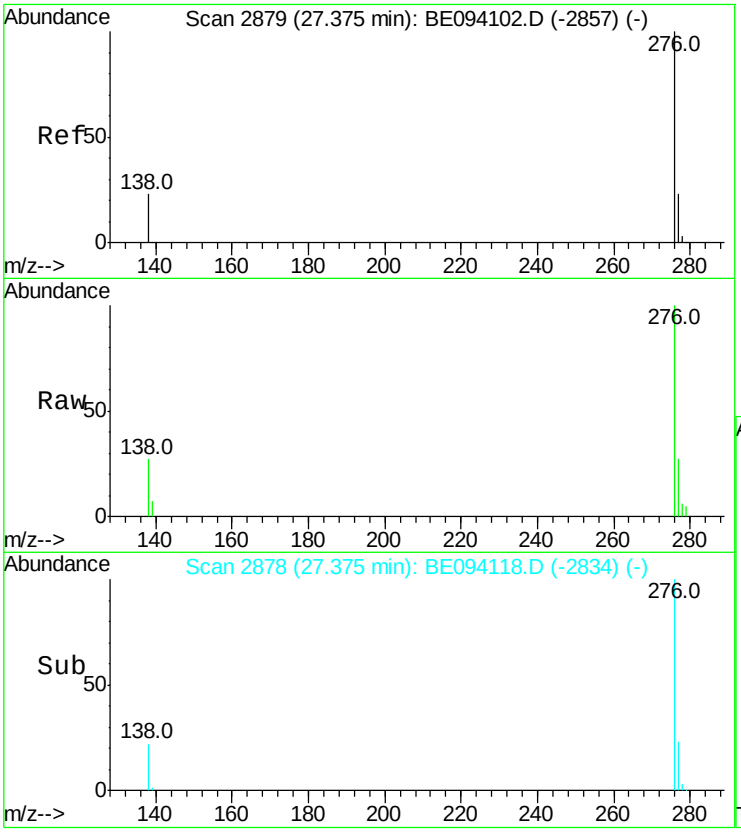


#38
Dibenzo(a,h)anthracene
Concen: 0.118 ng
RT: 26.56 min Scan# 2699
Delta R.T. -0.01 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:278 Resp: 5322

Ion	Ratio	Lower	Upper
278	100		
139	42.6	16.3	24.5#
279	38.1	19.9	29.9#

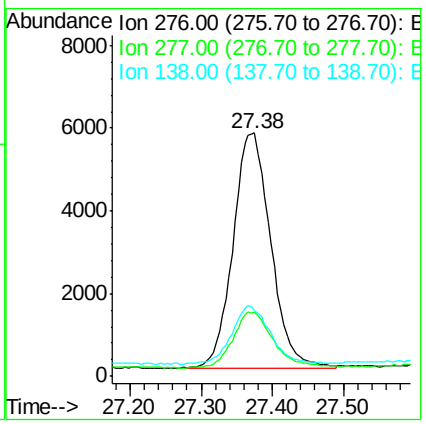




#39
Benzo(g,h,i)perylene
Concen: 0.469 ng
RT: 27.38 min Scan# 2878
Delta R.T. 0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:276 Resp: 20860

Ion	Ratio	Lower	Upper
276	100		
277	26.7	20.8	31.2
138	27.1	21.5	32.3



Instrument :
BNA_E
ClientSampleId :
LT-TS-005DL

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