Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101917\
Data File : BE094465.D
Acq On : 20 Oct 2017 3:01
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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Quant Time: Oct 20 14:02:04 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE101617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 16 14:54:40 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1265	0.40	ng		-0.02
7) Naphthalene-d8	10.69	136	6839	0.40	ng		-0.02
13) Acenaphthene-d10	14.51	164	4050	0.40	ng		-0.01
19) Phenanthrene-d10	17.23	188	7565	0.40	ng		-0.03
27) Chrysene-d12	21.43	240	9512	0.40	ng		0.00
34) Perylene-d12	23.95	264	9205	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.53	112	1879	0.44	ng		0.00
5) Phenol-d6	7.12	99	2923	0.44	ng		0.00
8) Nitrobenzene-d5	9.08	82	2448	0.41	ng		0.00
11) 2-Methylnaphthalene-d10	12.28	152	4639	0.44	ng		0.00
14) 2,4,6-Tribromophenol	16.03	330	655	0.42	ng		0.00
15) 2-Fluorobiphenyl	13.15	172	6027	0.42	ng		0.00
25) Fluoranthene-d10	19.28	212	45714	0.38	ng		0.00
29) Terphenyl-d14	19.86	244	7926	0.41	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.42	88	875	0.405	ng	#	89
3) n-Nitrosodimethylamine	3.75	42	926	0.421	ng	#	88
6) bis(2-Chloroethyl)ether	7.33	93	2140	0.434	ng		92
9) Naphthalene	10.74	128	32949	0.431	ng		100
10) Hexachlorobutadiene	11.01	225	1236	0.404	ng		97
12) 2-Methylnaphthalene	12.36	142	5594	0.444	ng		97
16) Acenaphthylene	14.24	152	9102	0.414	ng		100
17) Acenaphthene	14.58	154	5850	0.423	ng		99
18) Fluorene	15.56	166	7384	0.414	ng		97
20) 4-Bromophenyl-phenylether	16.42	248	1729	0.457	ng	#	20
21) Hexachlorobenzene	16.58	284	1938	0.270	ng	#	38
22) Pentachlorophenol	16.97	266	252	0.473	ng		89
23) Phenanthrene	17.30	178	8549	0.287	ng		97
24) Anthracene	17.36	178	9431m	0.410	ng		
26) Fluoranthene	19.31	202	13815	0.374	ng		100
28) Pyrene	19.67	202	14611	0.407	ng		100
30) Benzo(a)anthracene	21.40	228	13382	0.407	ng	#	63
31) Chrysene	21.46	228	13573	0.429	ng	#	65
32) Bis(2-ethylhexyl)phthalate	21.29	149	34854	0.368	ng		100
33) Indeno(1,2,3-cd)pyrene	26.63	276	13159	0.413	ng		99
35) Benzo(b)fluoranthene	23.17	252	12379	0.396	ng	#	44
36) Benzo(k)fluoranthene	23.22	252	13043	0.424	ng	#	43
37) Benzo(a)pyrene	23.83	252	12010	0.409	ng	#	38
38) Dibenzo(a,h)anthracene	26.64	278	11443	0.412	ng	#	48
39) Benzo(g,h,i)perylene	27.47	276	10939	0.409	ng	#	58

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

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Acq On : 20 Oct 2017 3:01
Operator : SJ/JU
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Misc :
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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE101617.M
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QLast Update : Mon Oct 16 14:54:40 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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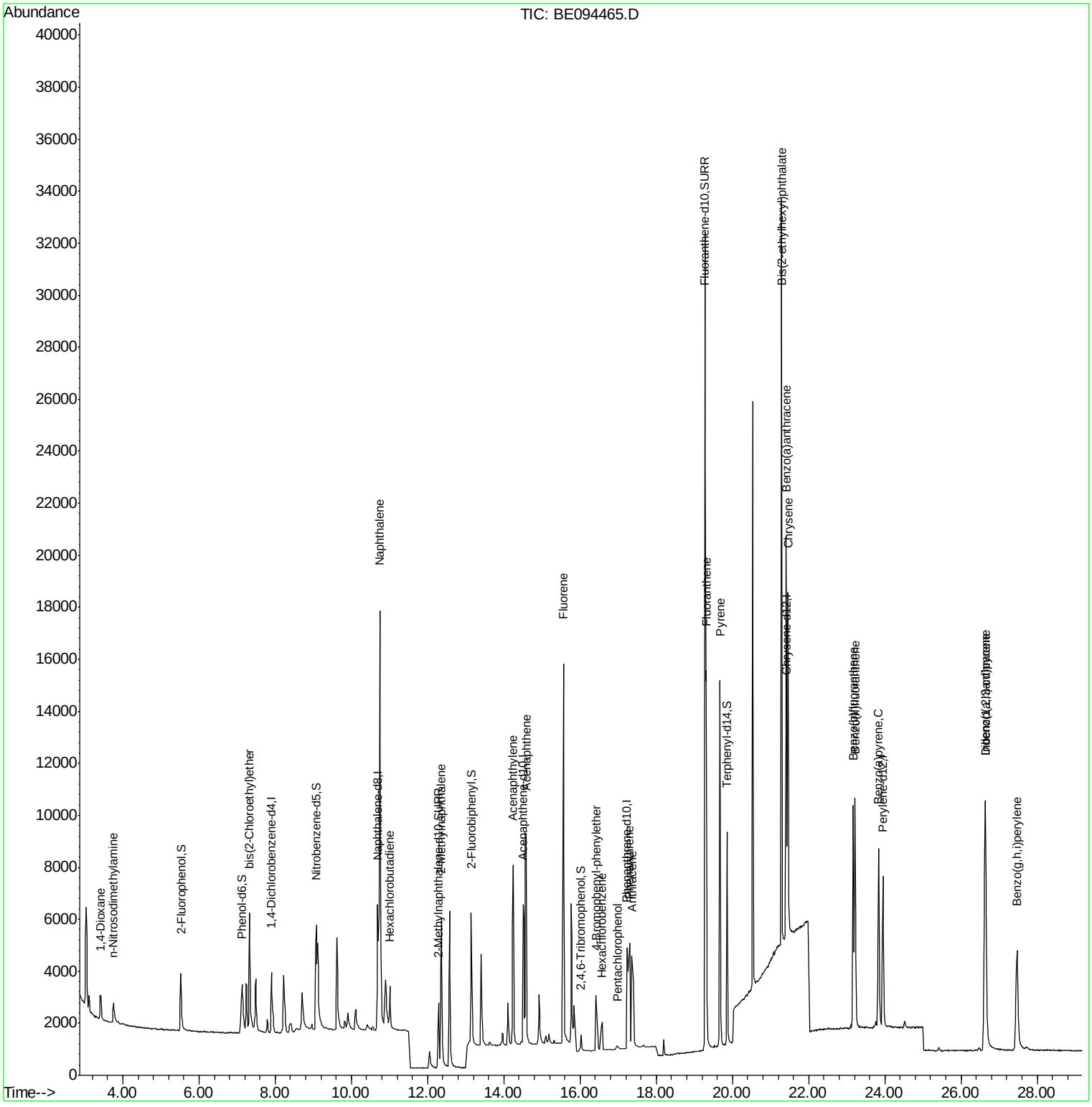
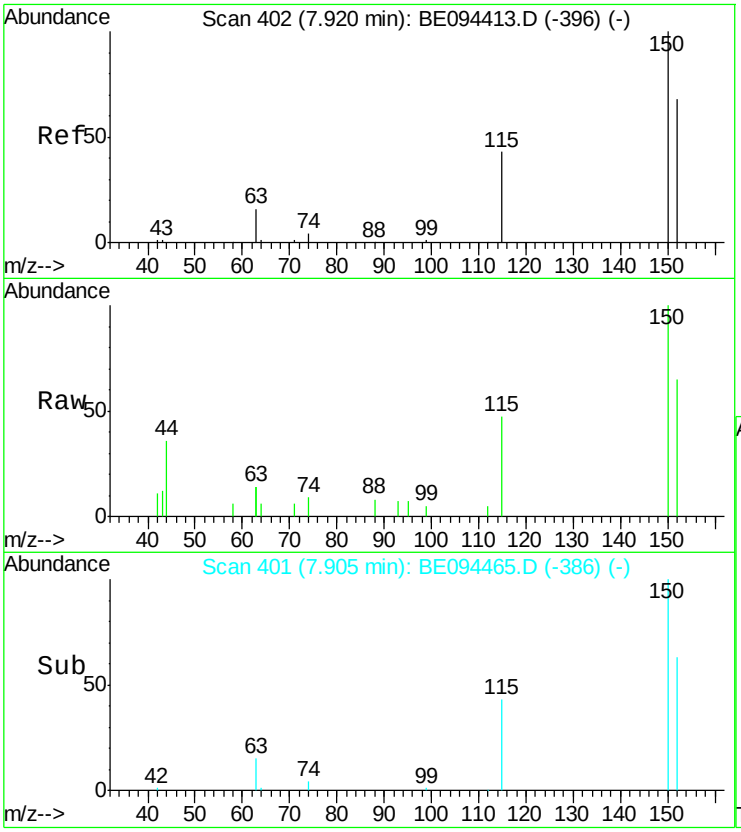
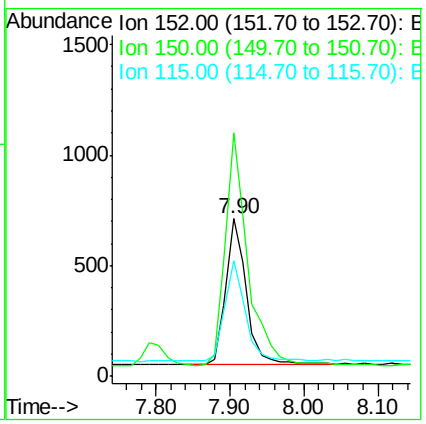




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.90 min Scan# 401
Delta R.T. -0.02 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:152 Resp: 1265

Ion	Ratio	Lower	Upper
152	100		
150	154.4	117.2	175.8
115	73.2	57.0	85.6



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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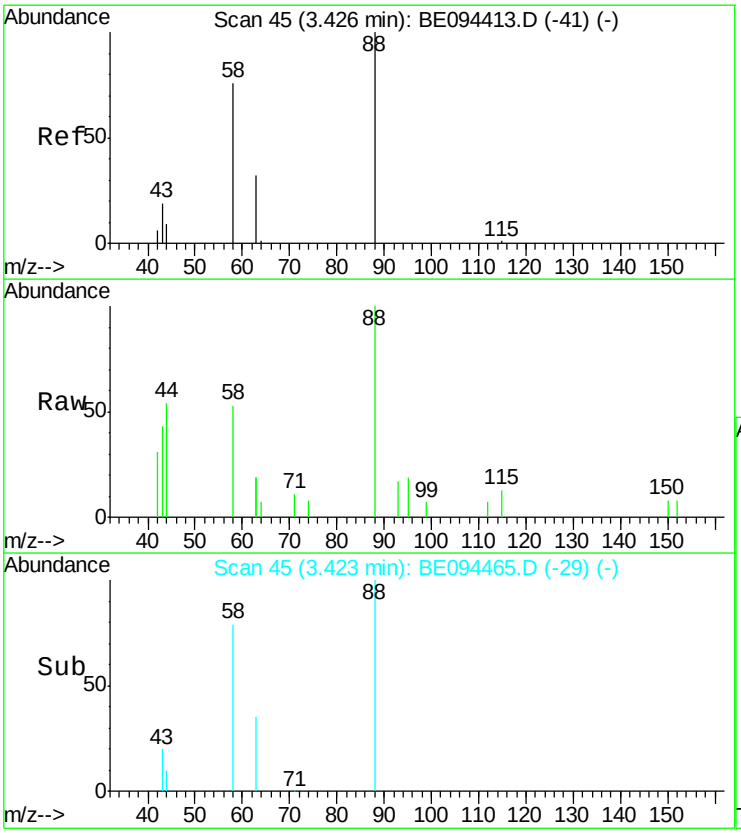
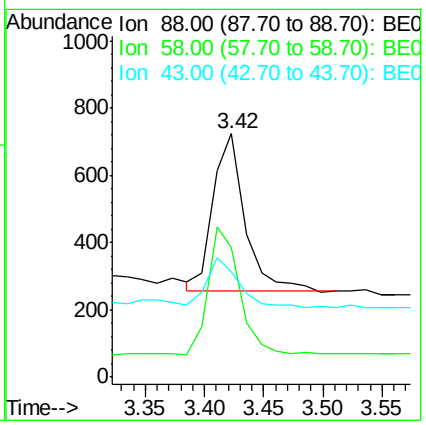
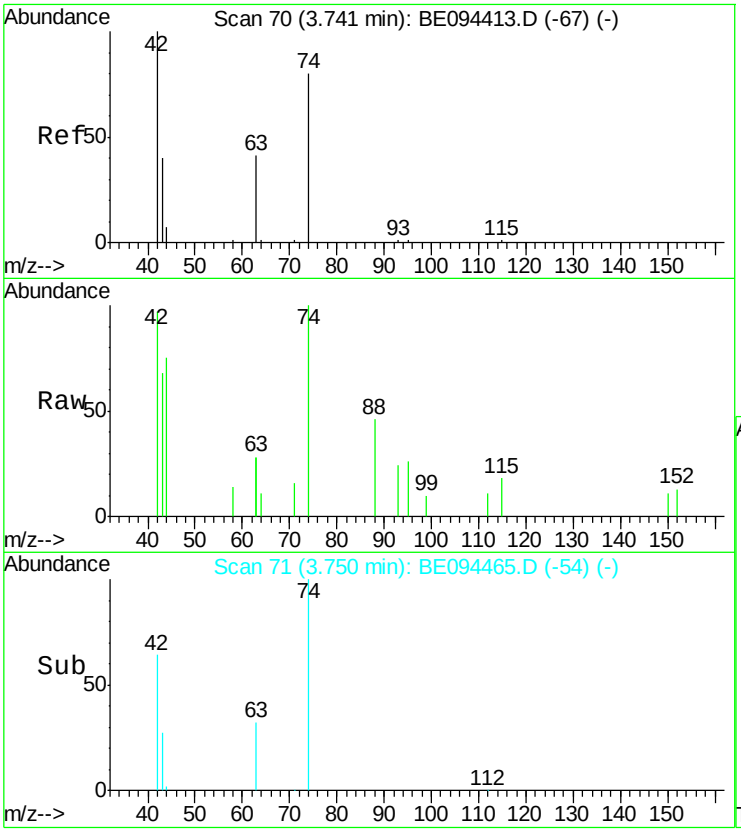


#2
1,4-Dioxane
Concen: 0.405 ng
RT: 3.42 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion: 88 Resp: 875

Ion	Ratio	Lower	Upper
88	100		
58	79.2	63.2	94.8
43	31.5	41.2	61.8#

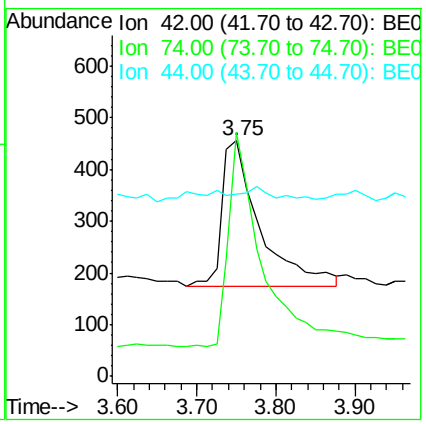




#3
n-Nitrosodimethylamine
Concen: 0.421 ng
RT: 3.75 min Scan# 71
Delta R.T. 0.01 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion: 42 Resp: 926

Ion	Ratio	Lower	Upper
42	100		
74	132.5	100.3	150.5
44	0.0	17.0	25.4#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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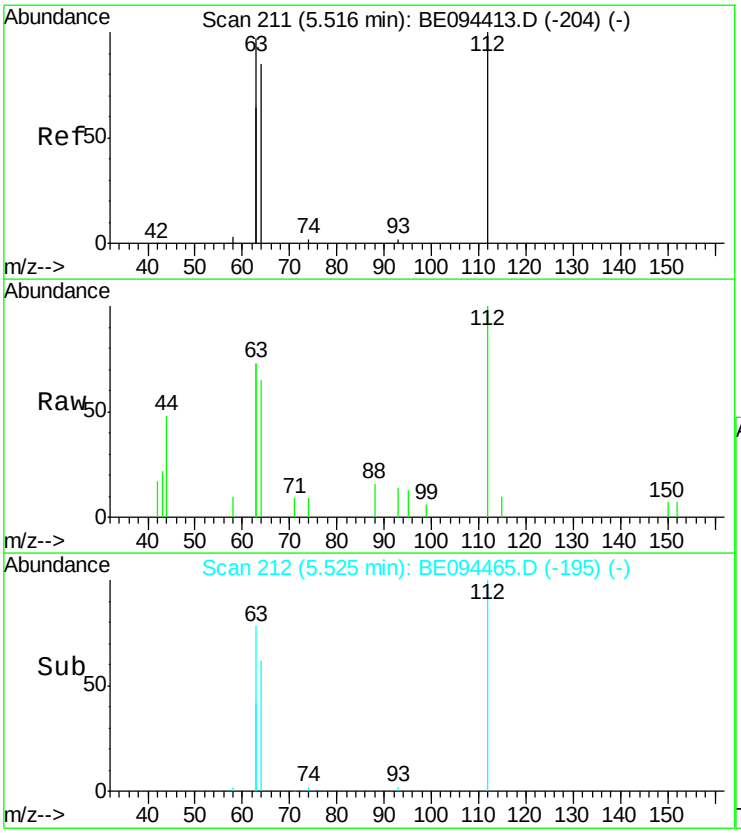
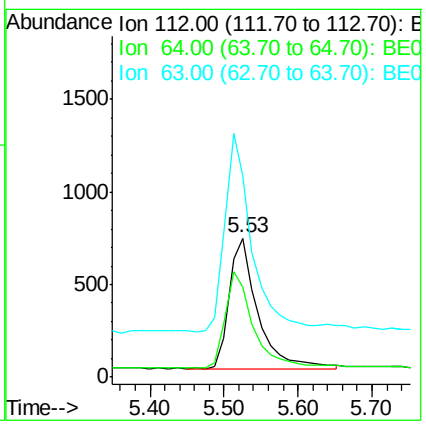
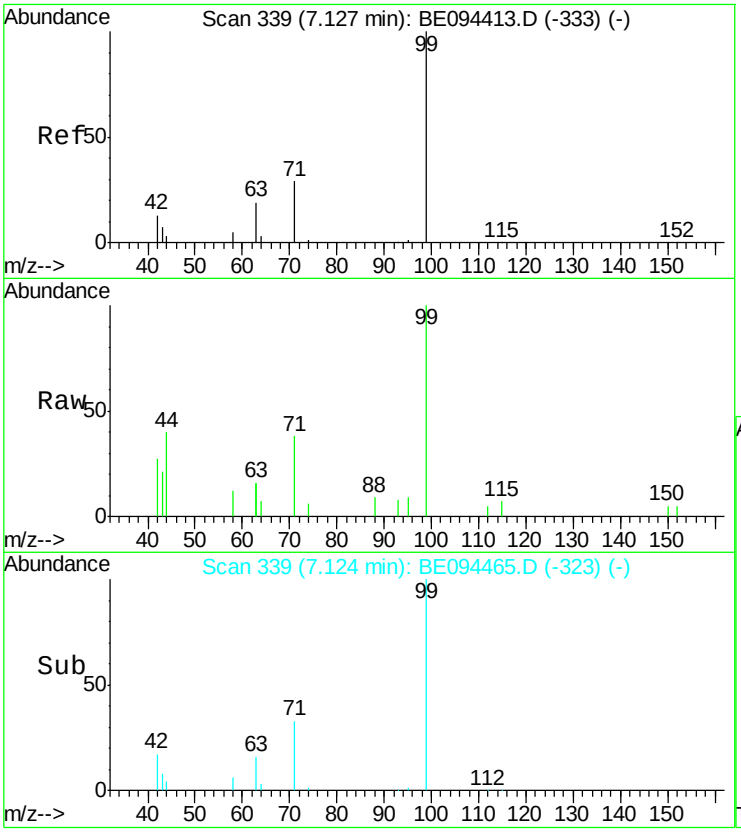


#4
2-Fluorophenol
Concen: 0.440 ng
RT: 5.53 min Scan# 212
Delta R.T. 0.01 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:112 Resp: 1879

Ion	Ratio	Lower	Upper
112	100		
64	72.0	60.1	90.1
63	143.9	116.8	175.2





#5
Phenol-d6
Concen: 0.438 ng
RT: 7.12 min Scan# 339
Delta R.T. -0.00 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion: 99 Resp: 2923

Ion	Ratio	Lower	Upper
99	100		
42	20.1	20.2	30.2#
71	34.7	28.4	42.6

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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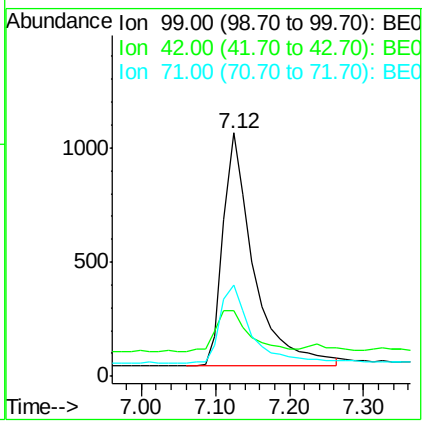
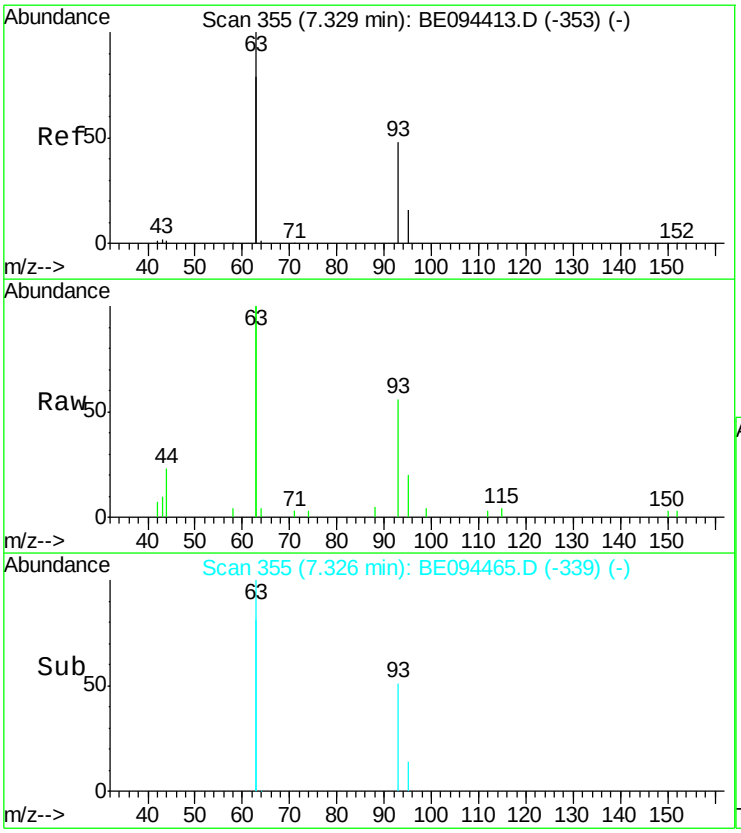
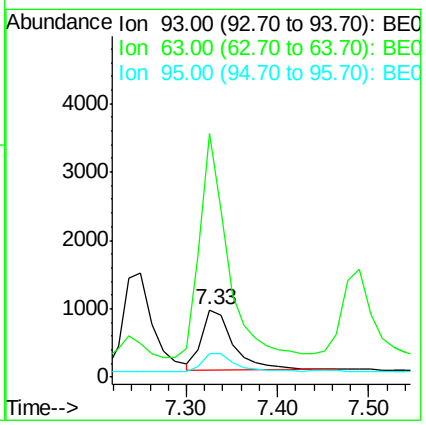


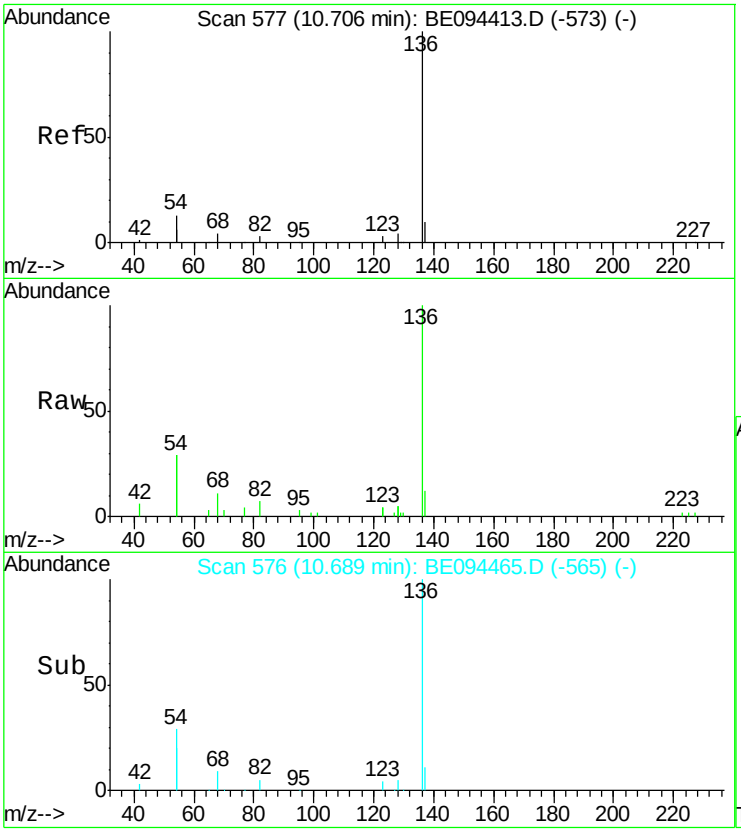


#6
bis(2-Chloroethyl)ether
Concen: 0.434 ng
RT: 7.33 min Scan# 355
Delta R.T. -0.00 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion: 93 Resp: 2140

Ion	Ratio	Lower	Upper
93	100		
63	324.8	275.3	412.9
95	32.3	25.2	37.8

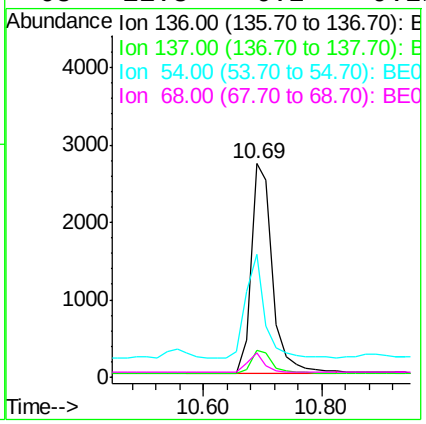




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.69 min Scan# 576
Delta R.T. -0.02 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:136 Resp: 6839

Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.5	14.3
54	57.5	29.1	43.7#
68	11.3	6.2	9.2#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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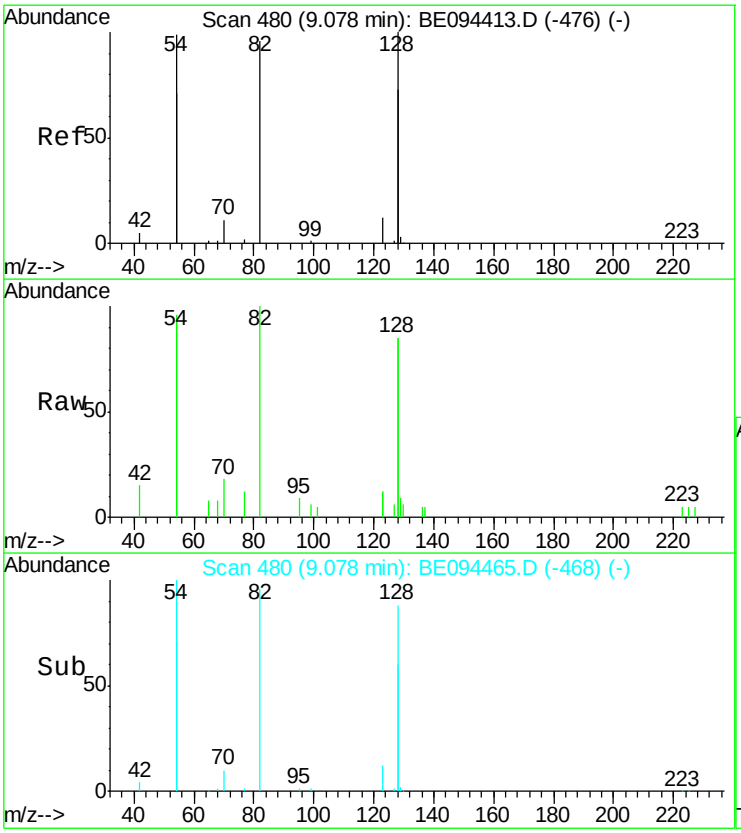
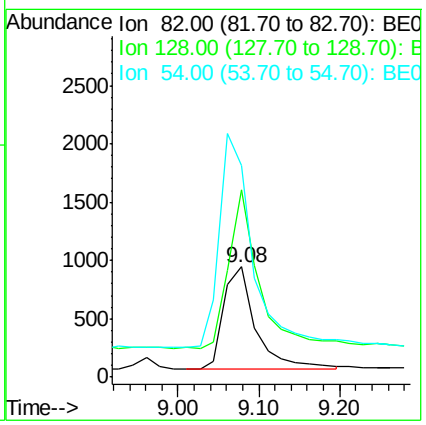
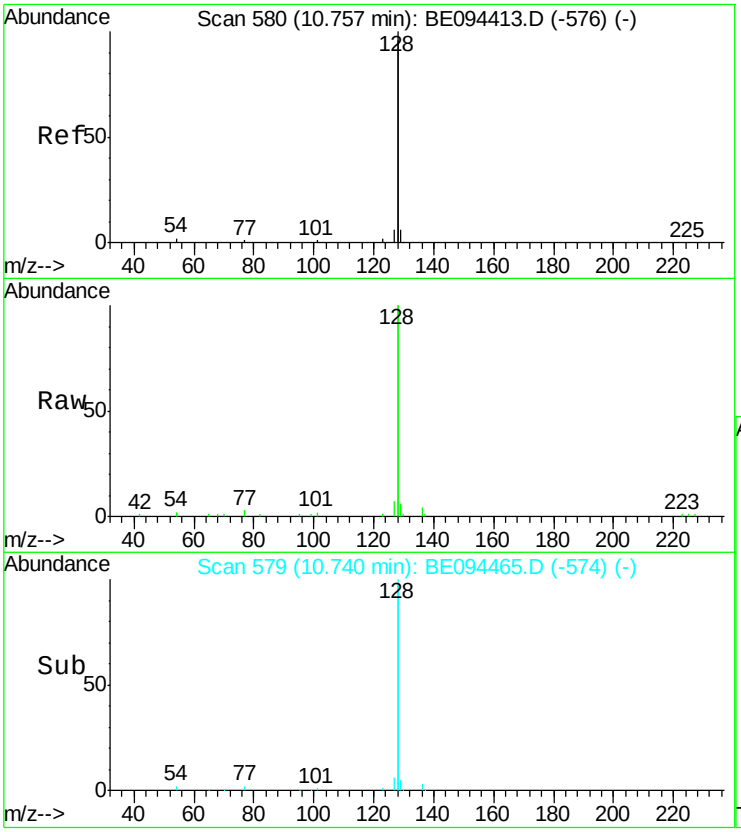


#8
Nitrobenzene-d5
Concen: 0.412 ng
RT: 9.08 min Scan# 480
Delta R.T. -0.00 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion: 82 Resp: 2448

Ion	Ratio	Lower	Upper
82	100		
128	169.7	150.0	225.0
54	192.6	154.2	231.4

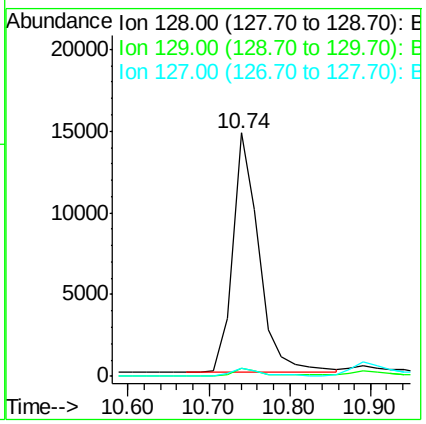




#9
Naphthalene
Concen: 0.431 ng
RT: 10.74 min Scan# 579
Delta R.T. -0.02 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:128 Resp: 32949

Ion	Ratio	Lower	Upper
128	100		
129	3.1	2.6	3.8
127	3.6	2.8	4.2



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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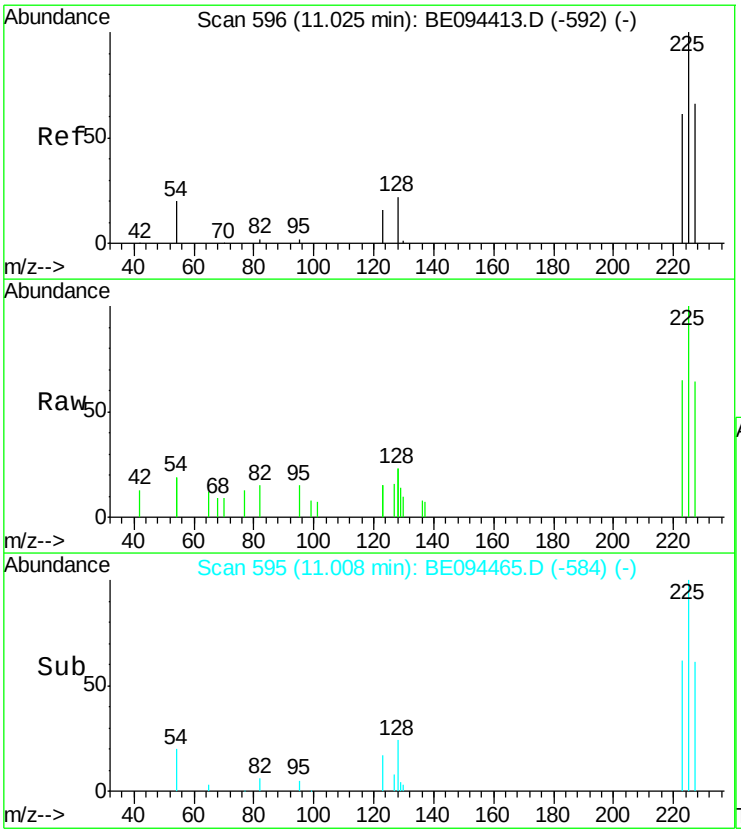
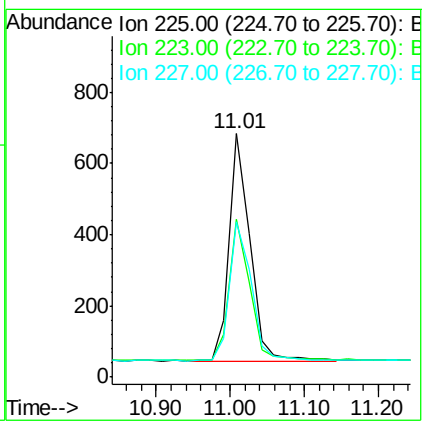
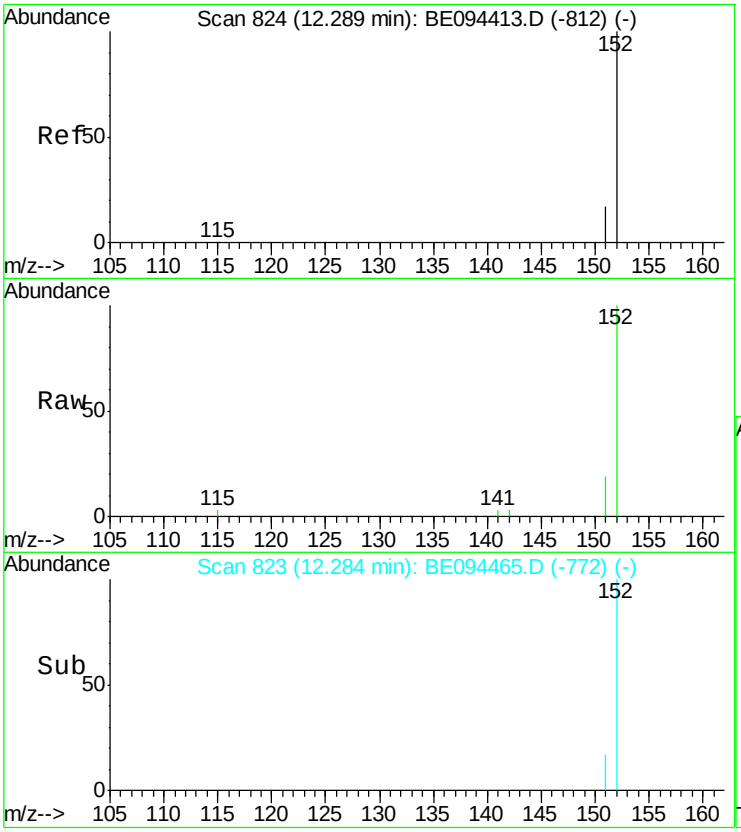


#10
Hexachlorobutadiene
Concen: 0.404 ng
RT: 11.01 min Scan# 595
Delta R.T. -0.02 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:225 Resp: 1236

Ion	Ratio	Lower	Upper
225	100		
223	61.4	53.0	79.6
227	64.6	51.4	77.2

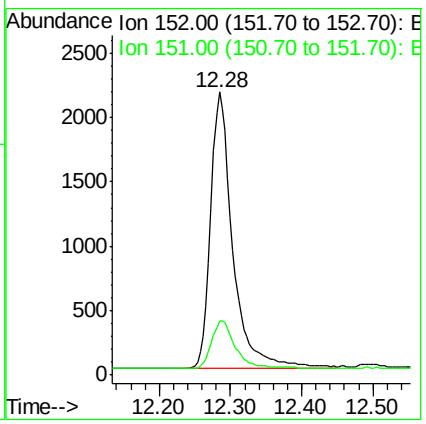




#11
2-Methylnaphthalene-d10
Concen: 0.440 ng
RT: 12.28 min Scan# 823
Delta R.T. -0.00 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:152 Resp: 4639

Ion	Ratio	Lower	Upper
152	100		
151	18.5	15.4	23.0



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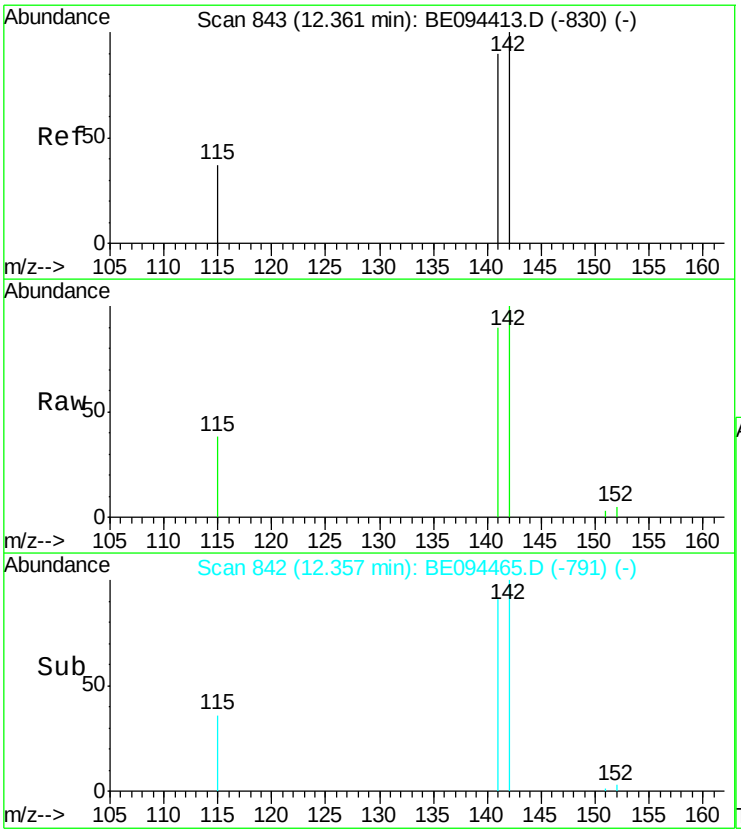
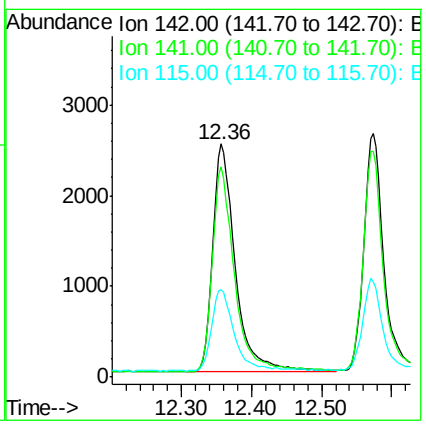
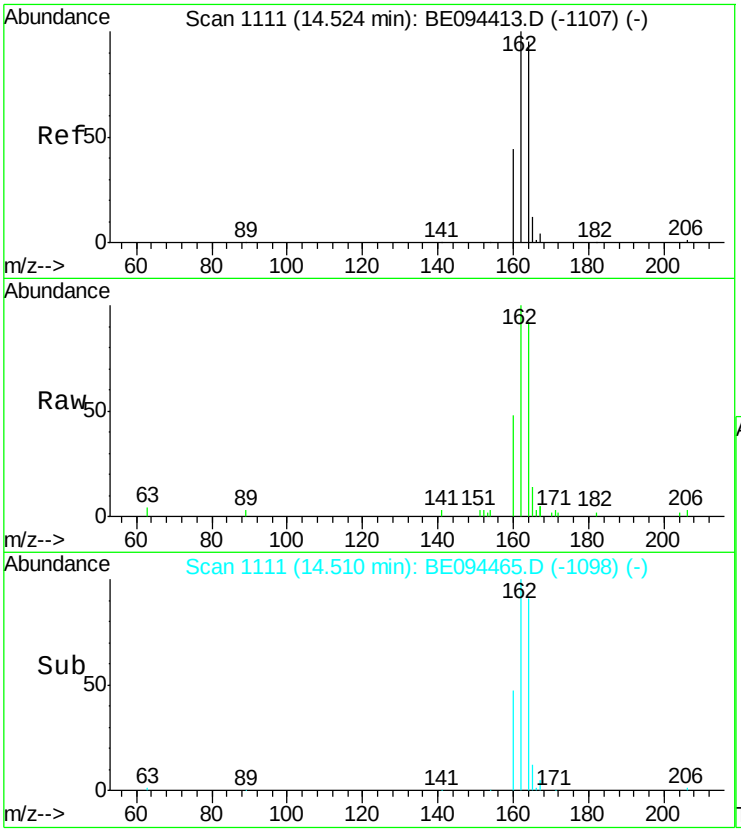


#12
2-Methylnaphthalene
Concen: 0.444 ng
RT: 12.36 min Scan# 842
Delta R.T. -0.00 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:142 Resp: 5594

Ion	Ratio	Lower	Upper
142	100		
141	90.4	70.4	105.6
115	37.7	31.7	47.5

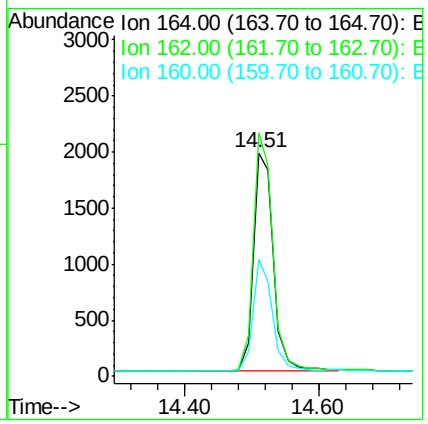




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. -0.01 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:164 Resp: 4050

Ion	Ratio	Lower	Upper
164	100		
162	109.0	83.1	124.7
160	52.2	37.1	55.7



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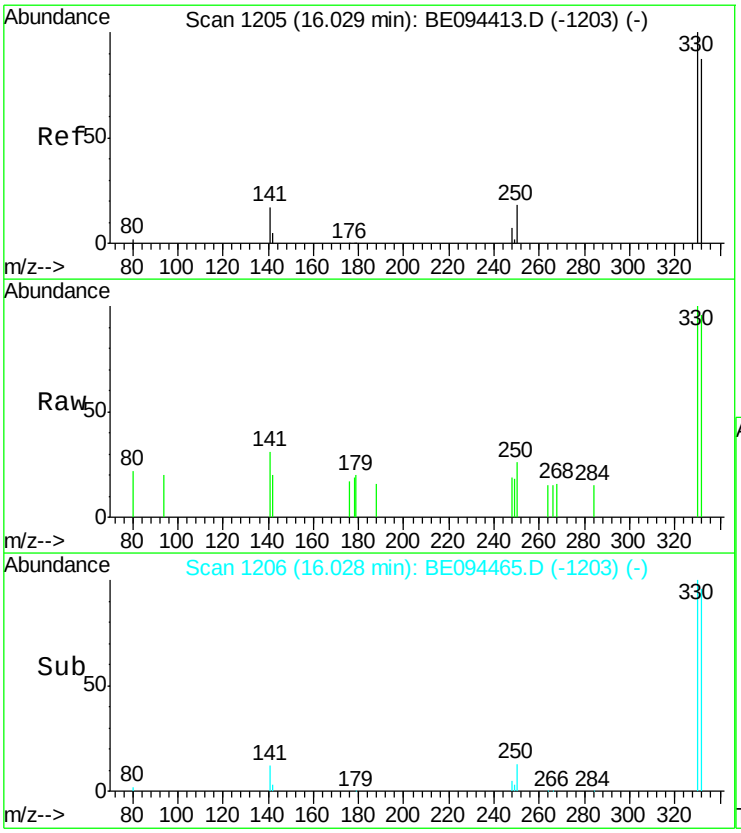
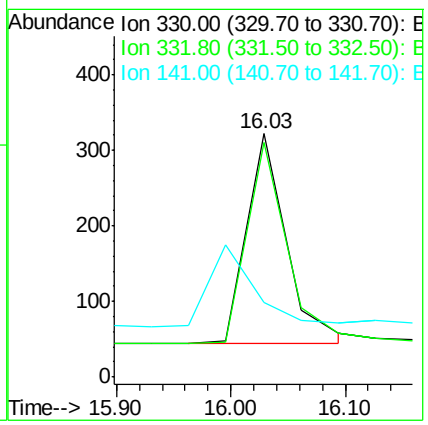
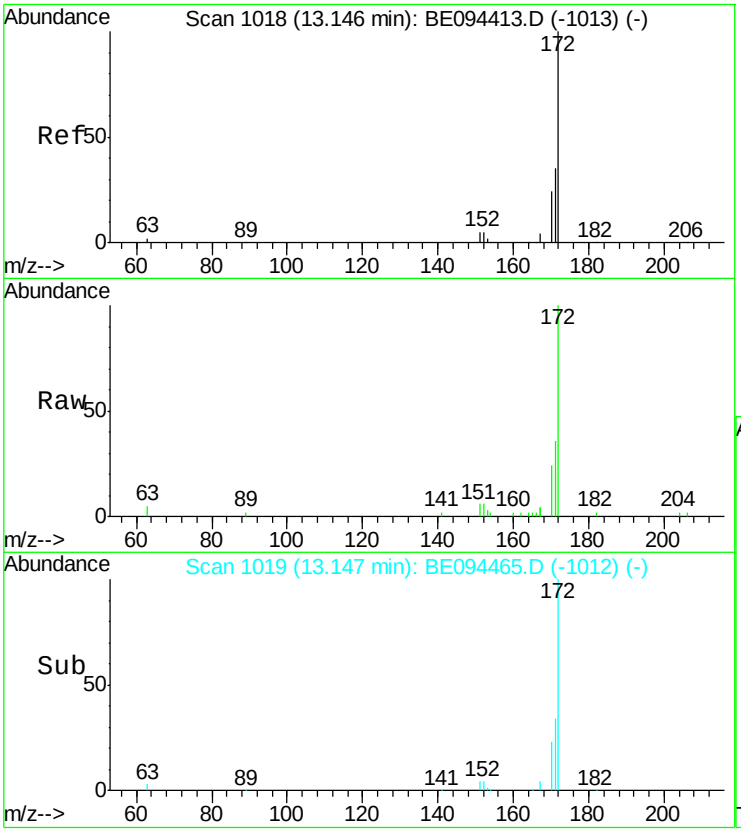


#14
2,4,6-Tribromophenol
Concen: 0.425 ng
RT: 16.03 min Scan# 1206
Delta R.T. -0.00 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:330 Resp: 655

Ion	Ratio	Lower	Upper
330	100		
332	98.2	152.7	229.1#
141	0.0	33.7	50.5#

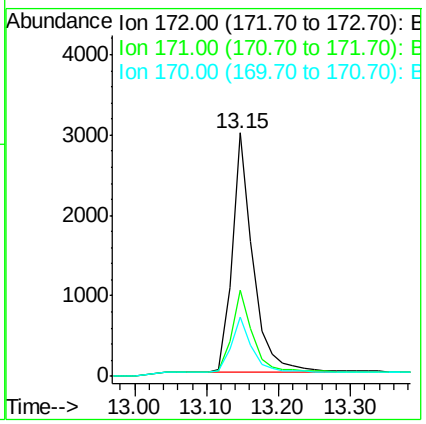




#15
2-Fluorobiphenyl
Concen: 0.417 ng
RT: 13.15 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:172 Resp: 6027

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.9	44.9
170	24.1	21.8	32.8



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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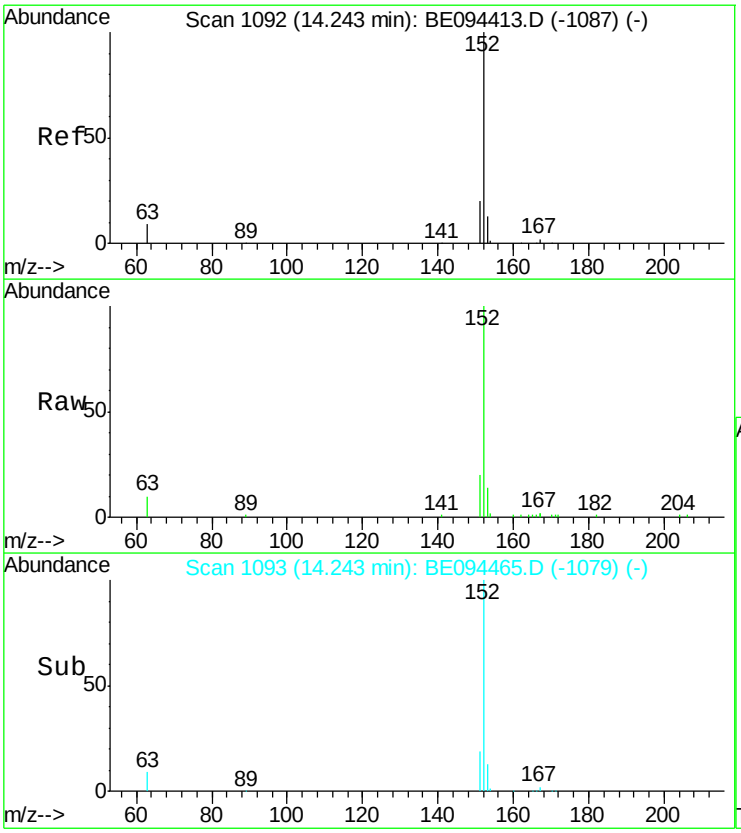
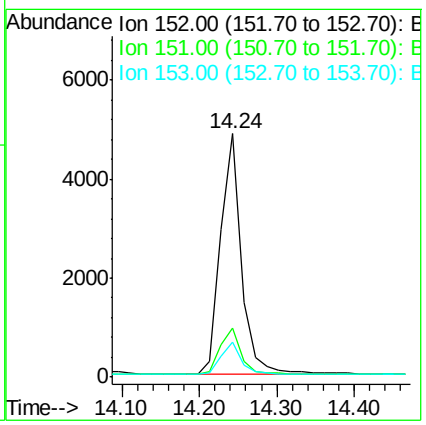
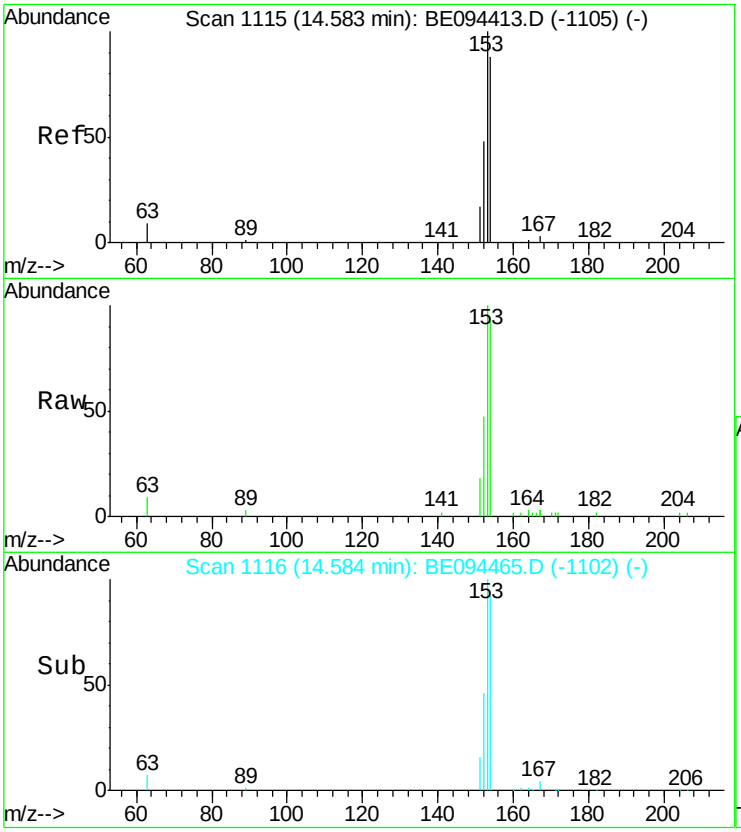


#16
Acenaphthylene
Concen: 0.414 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:152 Resp: 9102

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.7	23.5
153	13.2	10.5	15.7

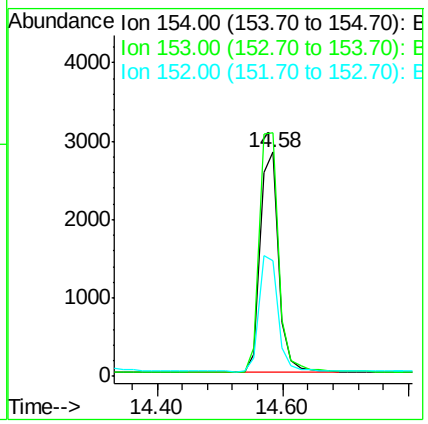




#17
Acenaphthene
Concen: 0.423 ng
RT: 14.58 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:154 Resp: 5850

Ion	Ratio	Lower	Upper
154	100		
153	112.9	89.2	133.8
152	53.7	42.0	63.0



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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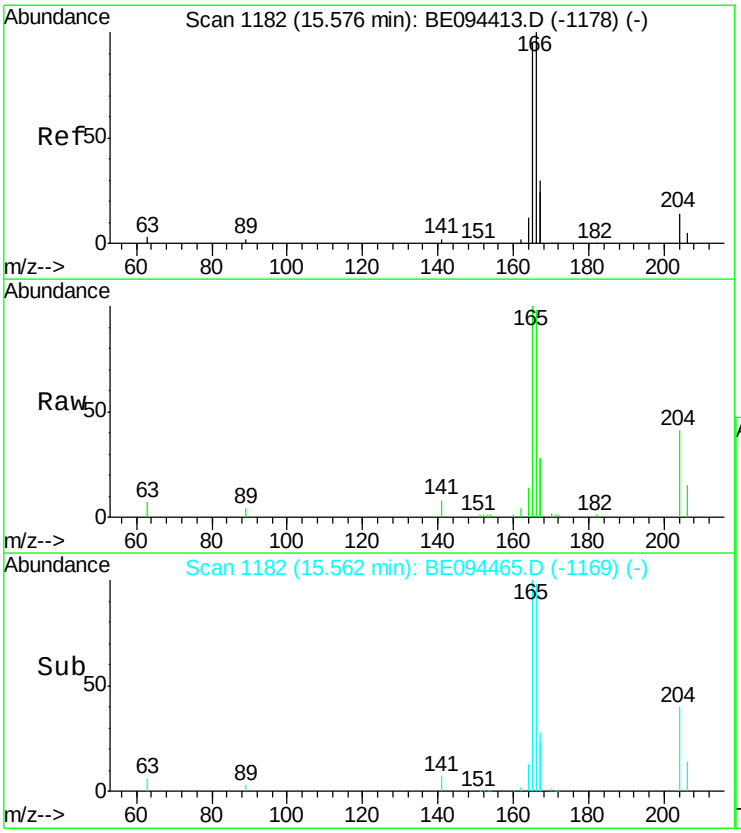
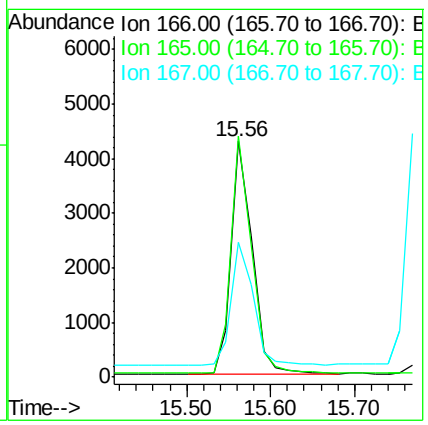
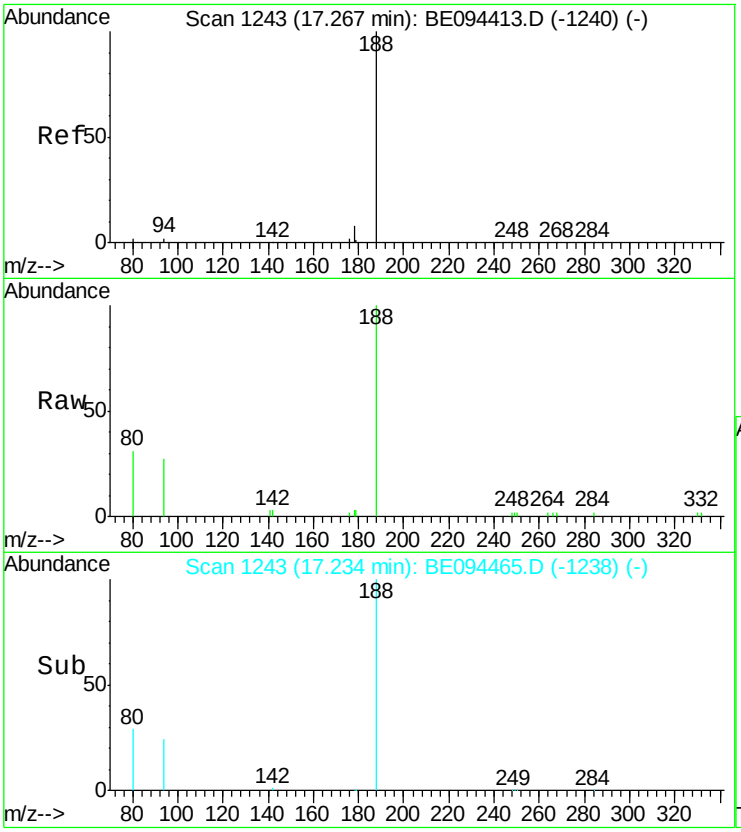


#18
Fluorene
Concen: 0.414 ng
RT: 15.56 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:166 Resp: 7384

Ion	Ratio	Lower	Upper
166	100		
165	99.9	77.8	116.6
167	54.6	42.4	63.6





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1243
Delta R.T. -0.03 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:188 Resp: 7565

Ion	Ratio	Lower	Upper
188	100		
94	26.7	3.9	5.9#
80	31.4	3.6	5.4#

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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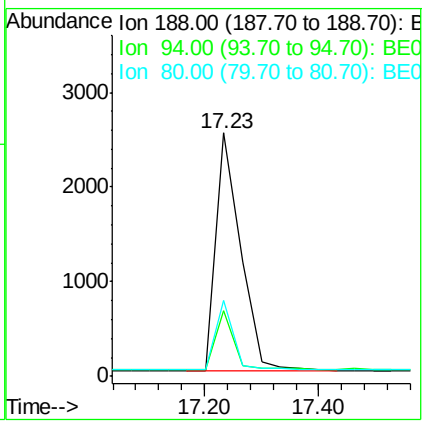
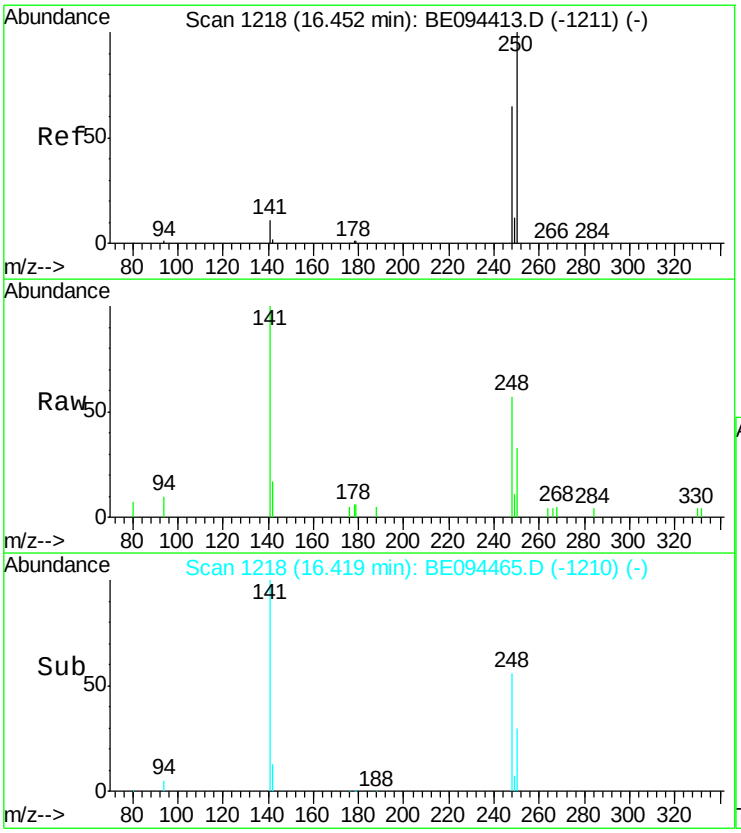
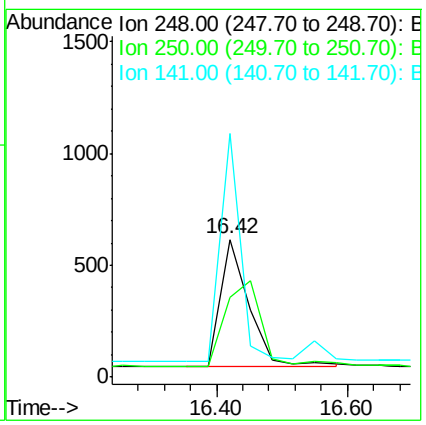


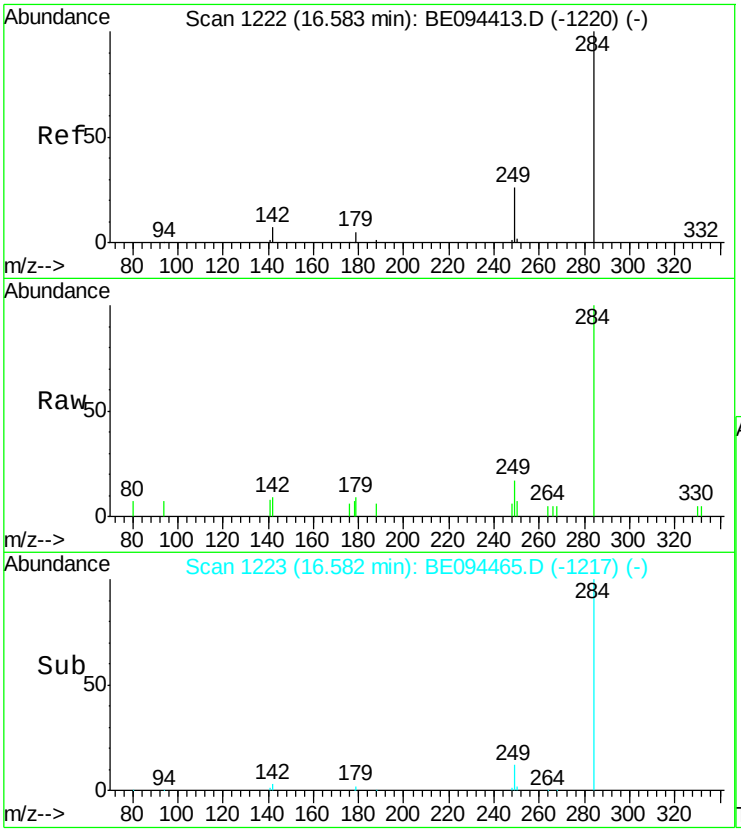


#20
4-Bromophenyl-phenylether
Concen: 0.457 ng
RT: 16.42 min Scan# 1218
Delta R.T. -0.03 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:248 Resp: 1729

Ion	Ratio	Lower	Upper
248	100		
250	57.6	62.7	94.1#
141	176.8	48.2	72.2#

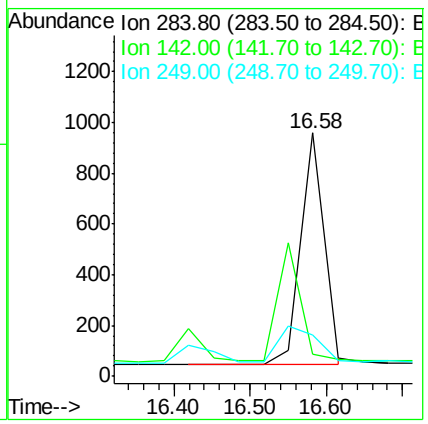




#21
Hexachlorobenzene
Concen: 0.270 ng
RT: 16.58 min Scan# 1223
Delta R.T. 0.00 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:284 Resp: 1938

Ion	Ratio	Lower	Upper
284	100		
142	0.0	22.1	33.1#
249	0.0	34.8	52.2#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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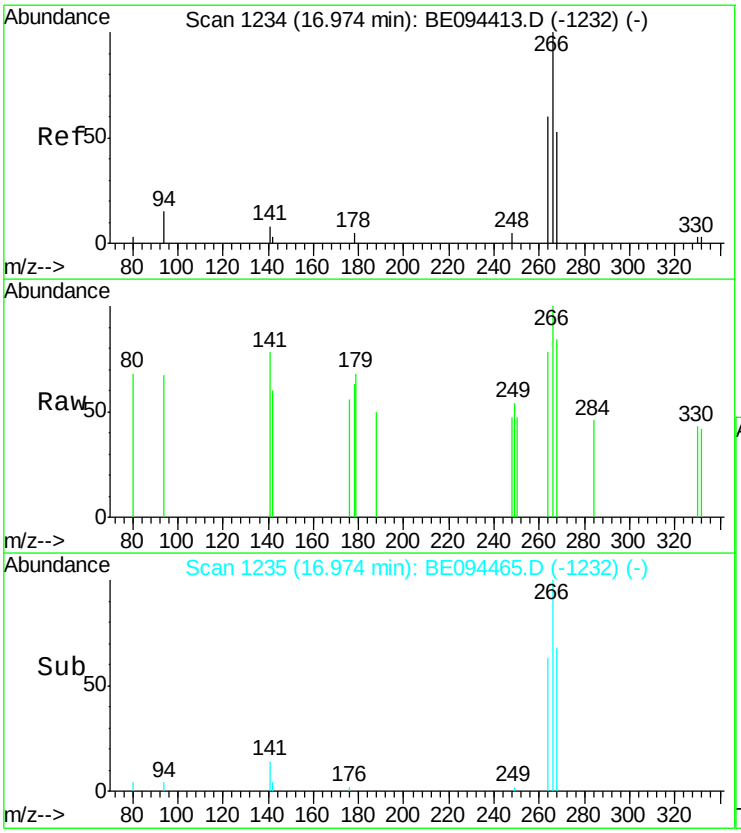
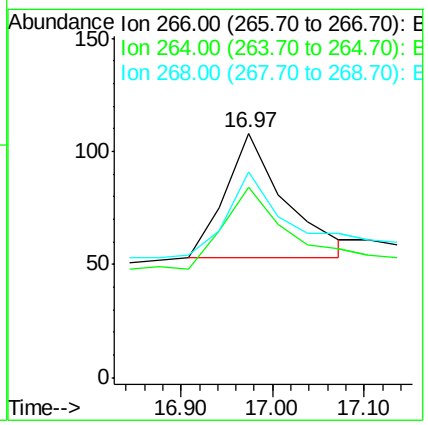
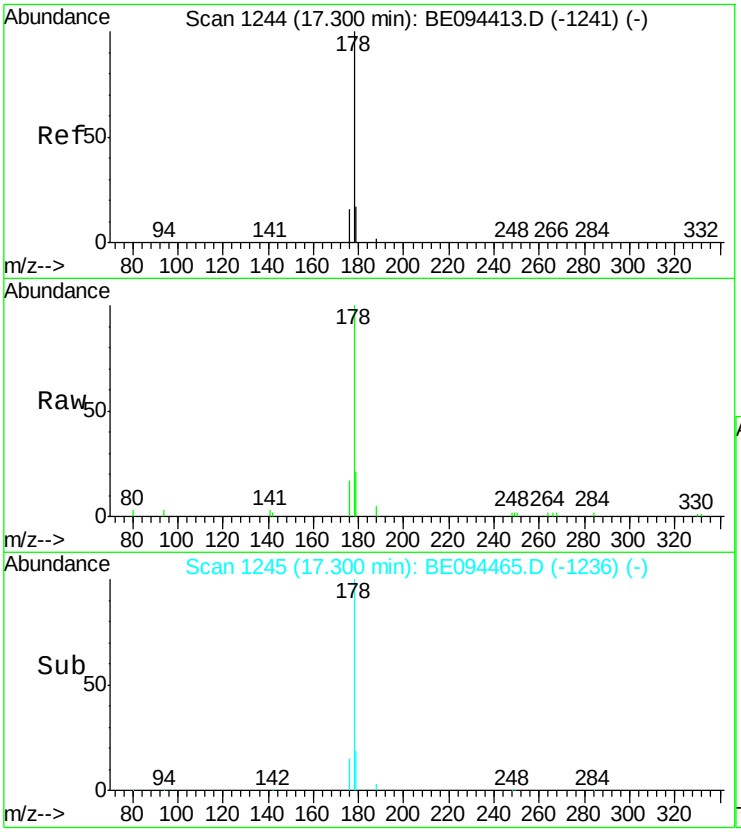


#22
Pentachlorophenol
Concen: 0.473 ng
RT: 16.97 min Scan# 1235
Delta R.T. 0.00 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:266 Resp: 252

Ion	Ratio	Lower	Upper
266	100		
264	77.8	72.5	108.7
268	84.3	73.8	110.6

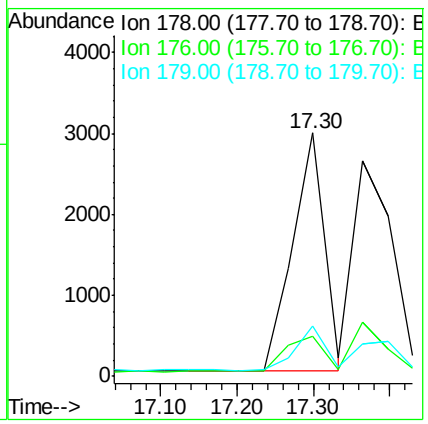




#23
Phenanthrene
Concen: 0.287 ng
RT: 17.30 min Scan# 1245
Delta R.T. -0.00 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:178 Resp: 8549

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	17.0	11.8	17.6



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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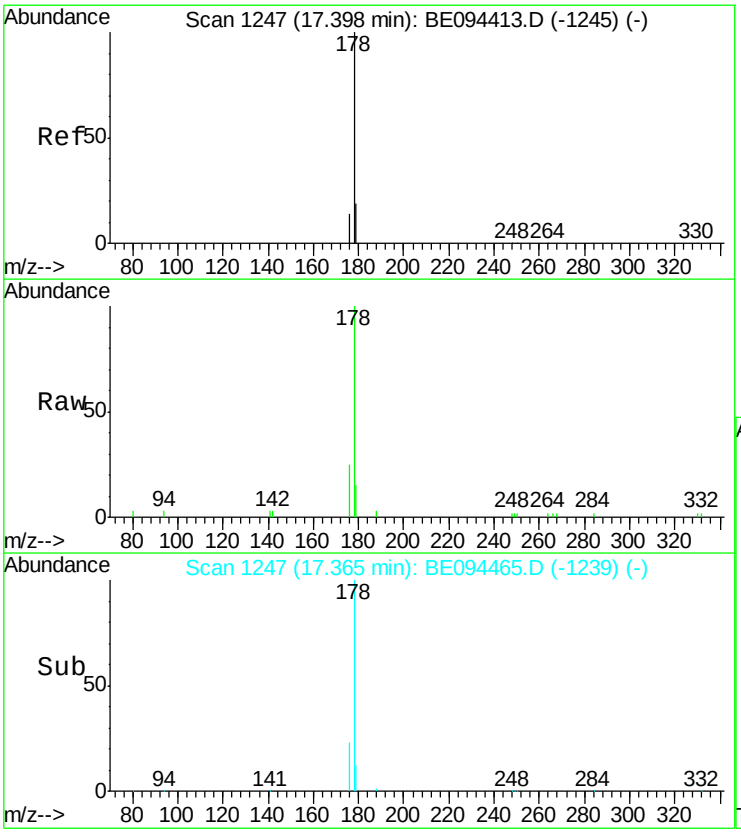
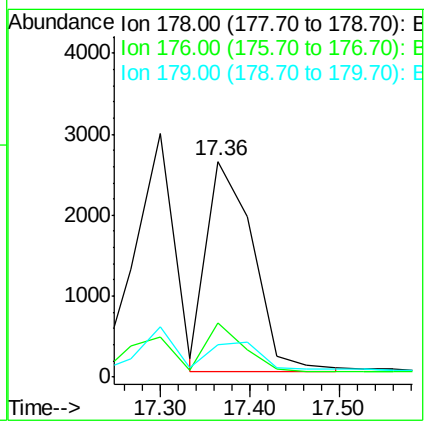
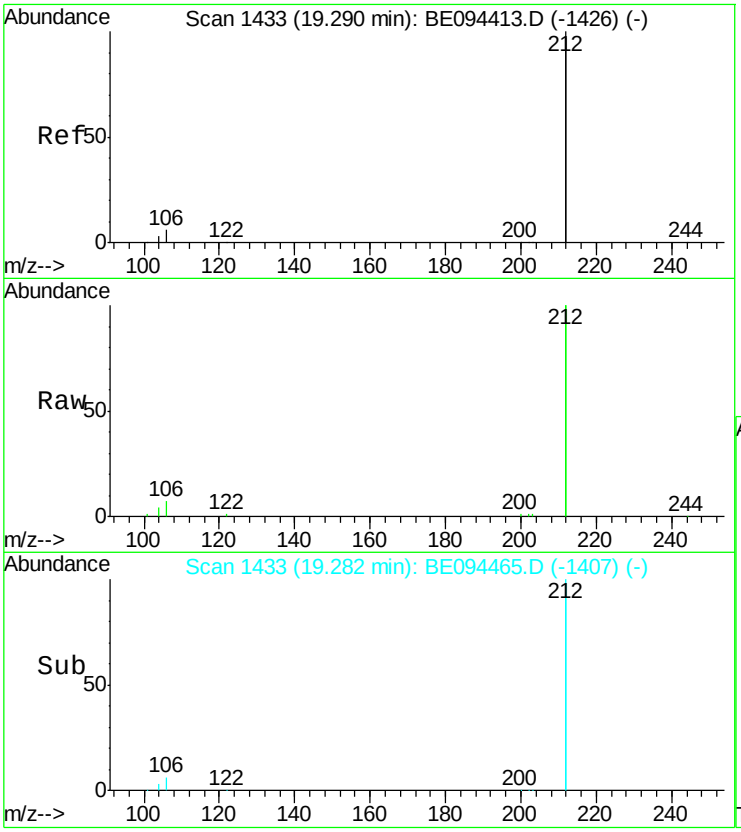


#24
Anthracene
Concen: 0.410 ng m
RT: 17.36 min Scan# 1247
Delta R.T. -0.03 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:178 Resp: 9431

Ion	Ratio	Lower	Upper
178	100		
176	16.5	12.8	19.2
179	15.1	13.0	19.6





#25
Fluoranthene-d10
Concen: 0.375 ng
RT: 19.28 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:212 Resp: 45714

Ion	Ratio	Lower	Upper
212	100		
106	3.5	2.8	4.2
104	2.0	1.6	2.4

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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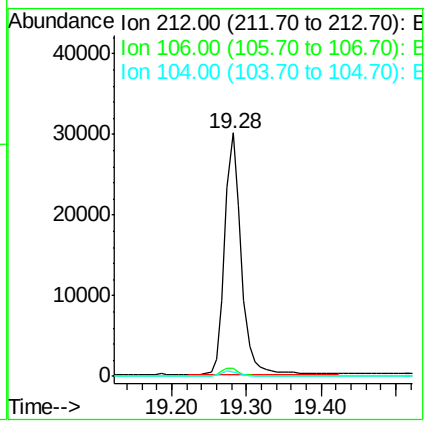
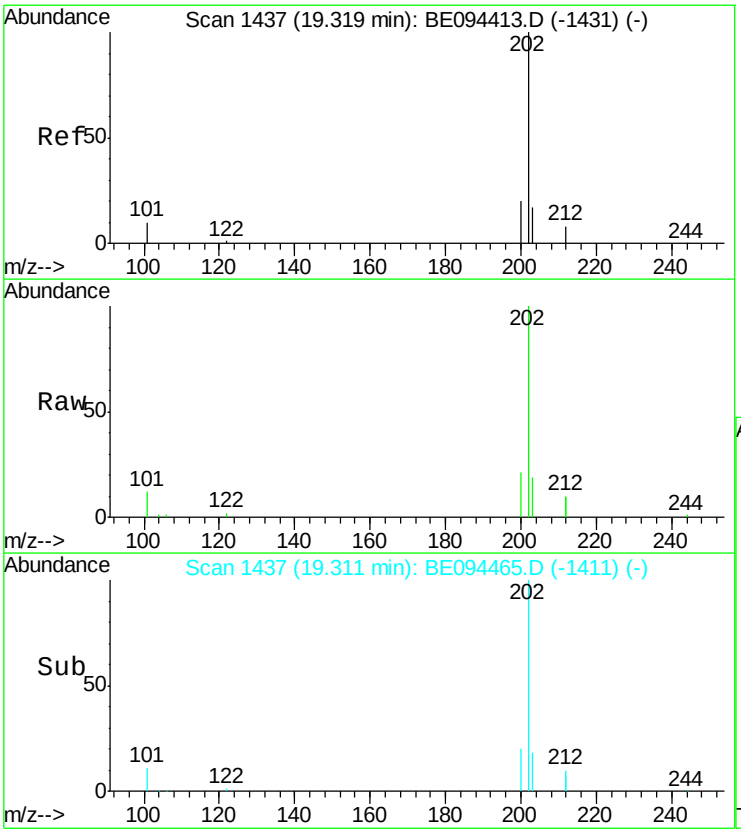
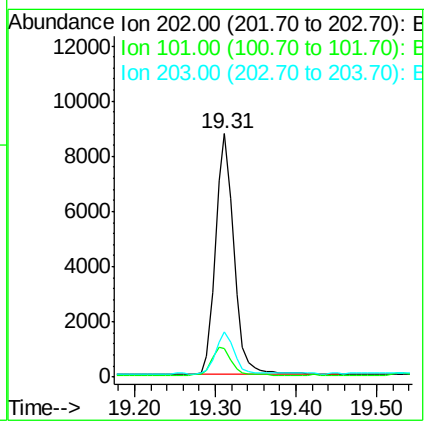


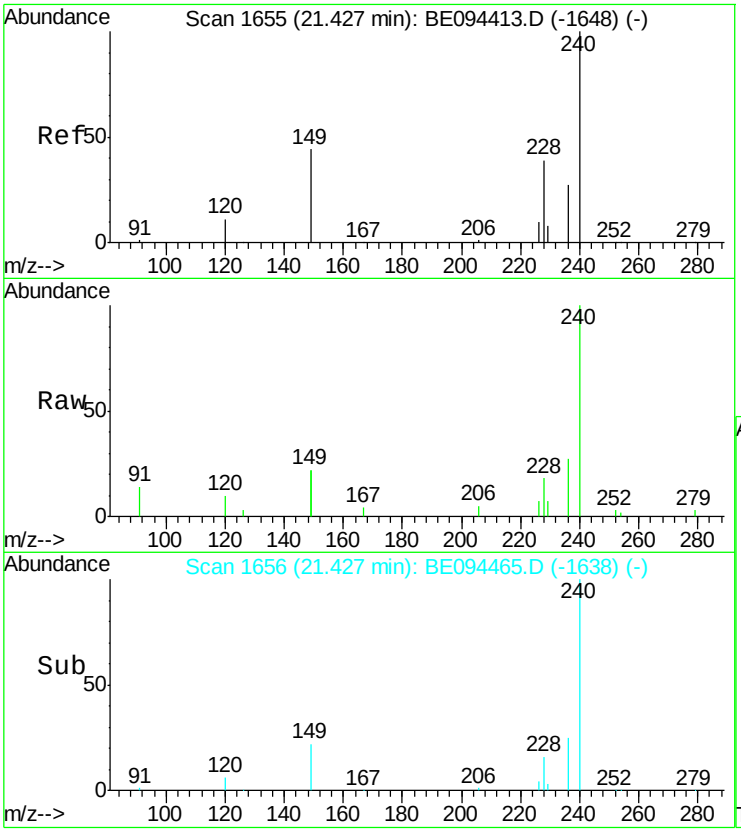


#26
Fluoranthene
Concen: 0.374 ng
RT: 19.31 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:202 Resp: 13815

Ion	Ratio	Lower	Upper
202	100		
101	12.6	9.8	14.8
203	17.2	13.7	20.5





#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.43 min Scan# 1656
Delta R.T. 0.00 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:240 Resp: 9512

Ion	Ratio	Lower	Upper
240	100		
120	9.9	5.5	8.3#
236	27.3	20.7	31.1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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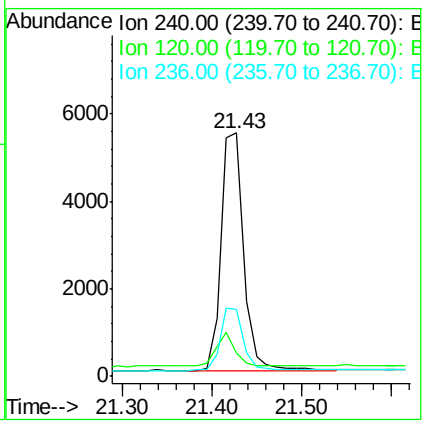
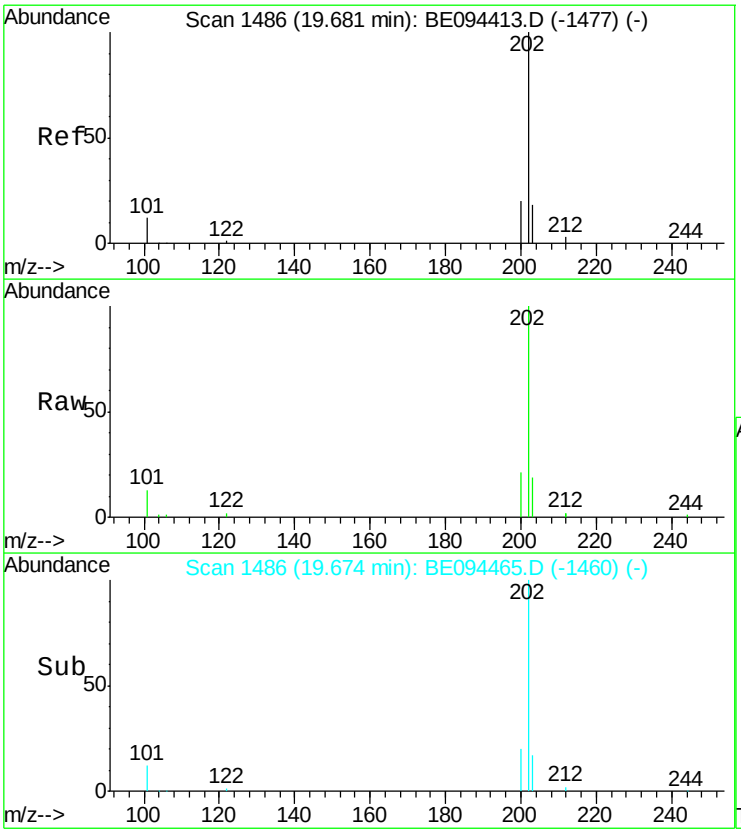
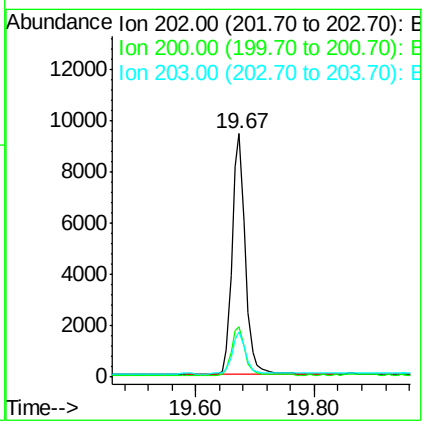


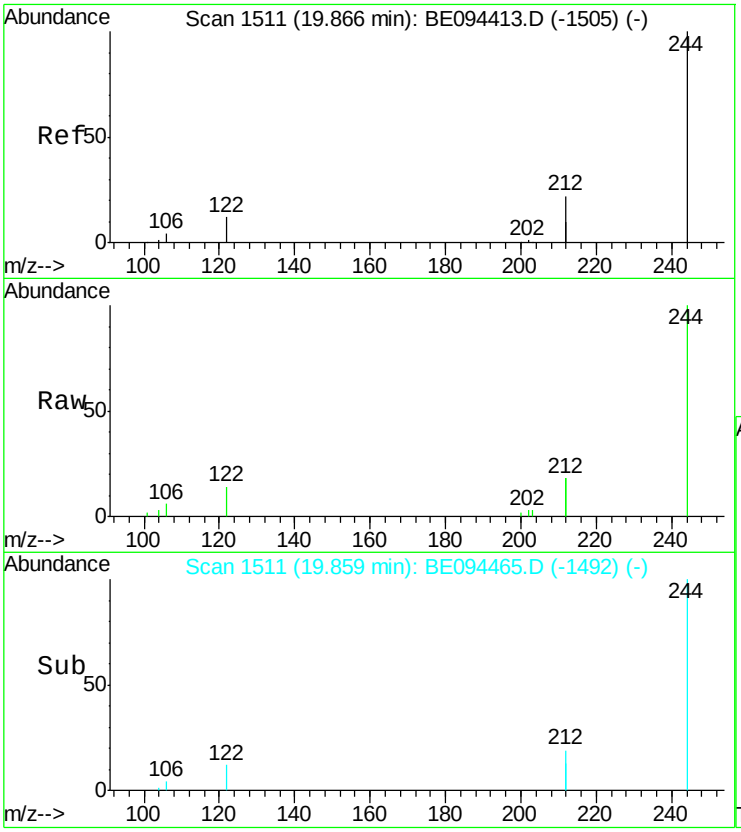


#28
Pyrene
Concen: 0.407 ng
RT: 19.67 min Scan# 1486
Delta R.T. -0.01 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:202 Resp: 14611

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	25.0
203	17.3	13.8	20.8





#29
Terphenyl-d14
Concen: 0.413 ng
RT: 19.86 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:244 Resp: 7926

Ion	Ratio	Lower	Upper
244	100		
212	36.7	25.4	38.0
122	13.7	8.1	12.1#

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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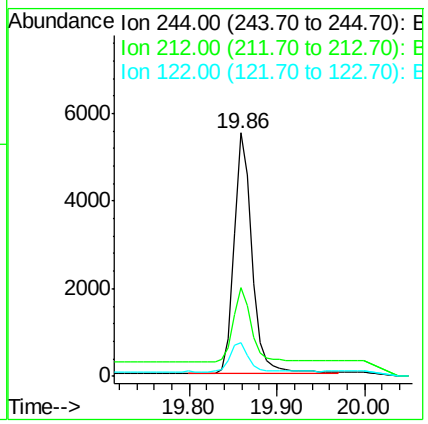
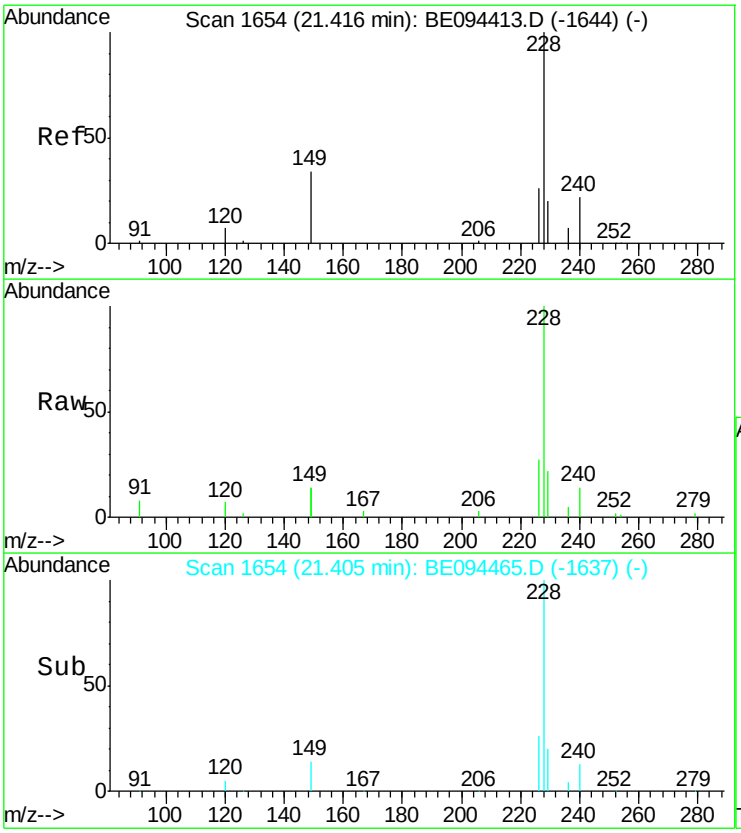
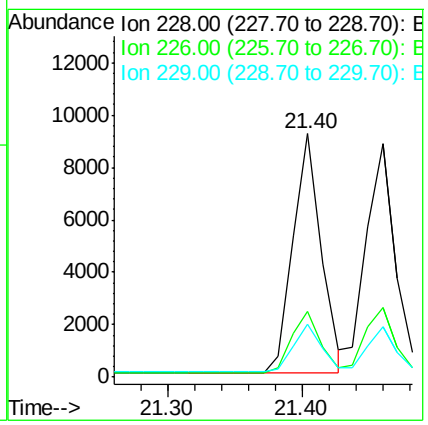


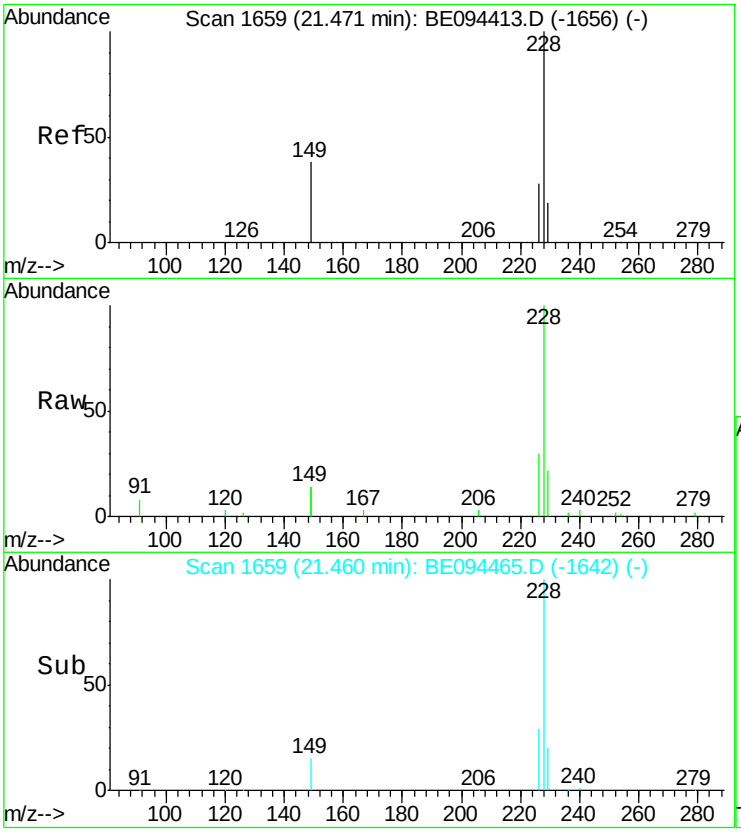


#30
Benzo(a)anthracene
Concen: 0.407 ng
RT: 21.40 min Scan# 1654
Delta R.T. -0.01 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:228 Resp: 13382

Ion	Ratio	Lower	Upper
228	100		
226	27.2	40.0	60.0#
229	21.7	40.0	60.0#





#31
Chrysene
Concen: 0.429 ng
RT: 21.46 min Scan# 1659
Delta R.T. -0.01 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:228 Resp: 13573

Ion	Ratio	Lower	Upper
228	100		
226	30.0	40.0	60.0#
229	21.7	40.0	60.0#

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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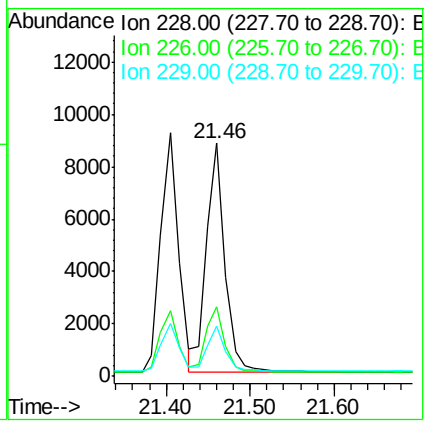
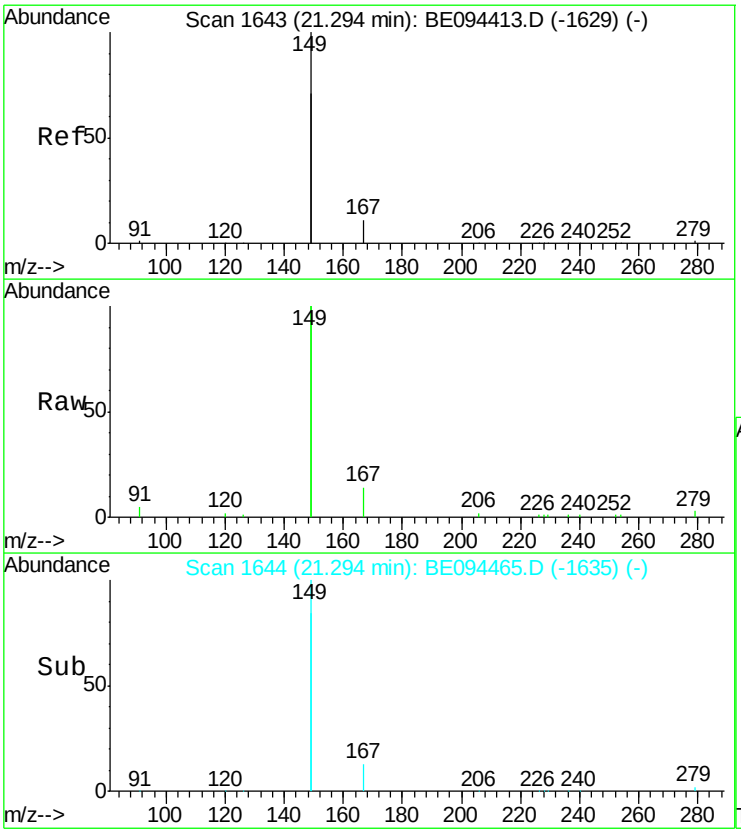
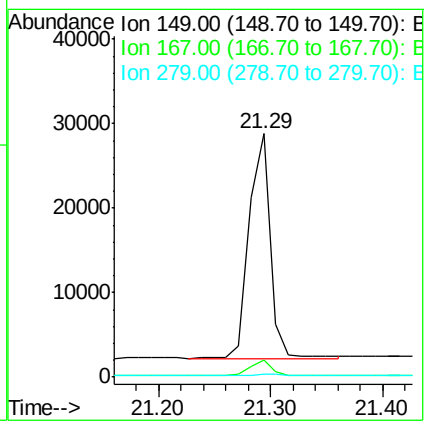


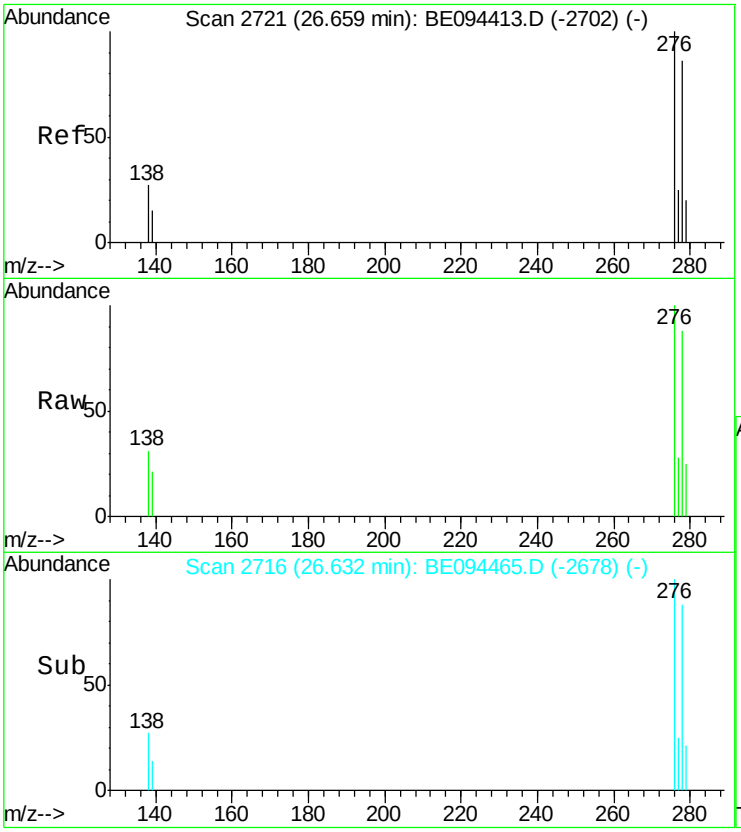


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.368 ng
RT: 21.29 min Scan# 1644
Delta R.T. 0.00 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:149 Resp: 34854

Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.4	8.0
279	0.9	0.7	1.1

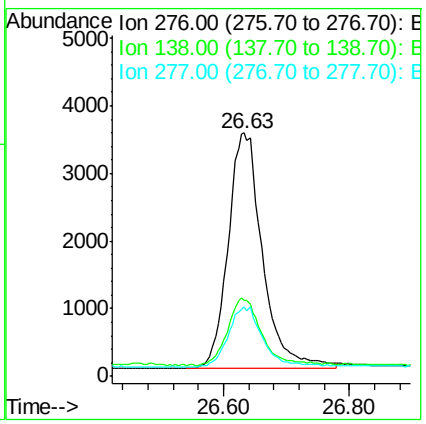




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.413 ng
RT: 26.63 min Scan# 2716
Delta R.T. -0.03 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:276 Resp: 13159

Ion	Ratio	Lower	Upper
276	100		
138	27.3	22.5	33.7
277	25.3	19.9	29.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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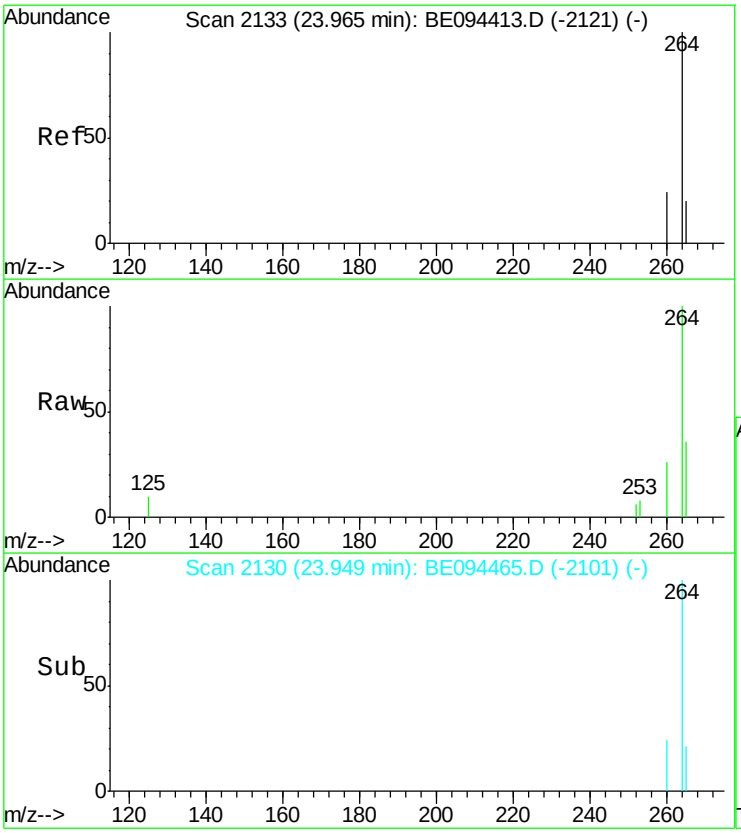
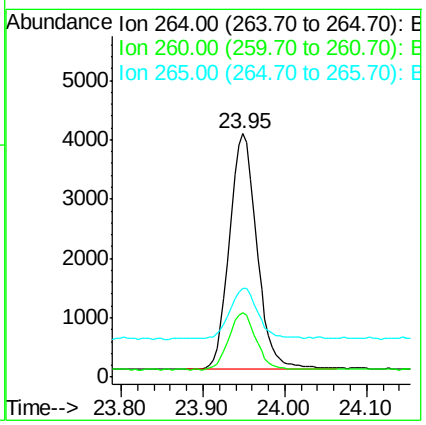
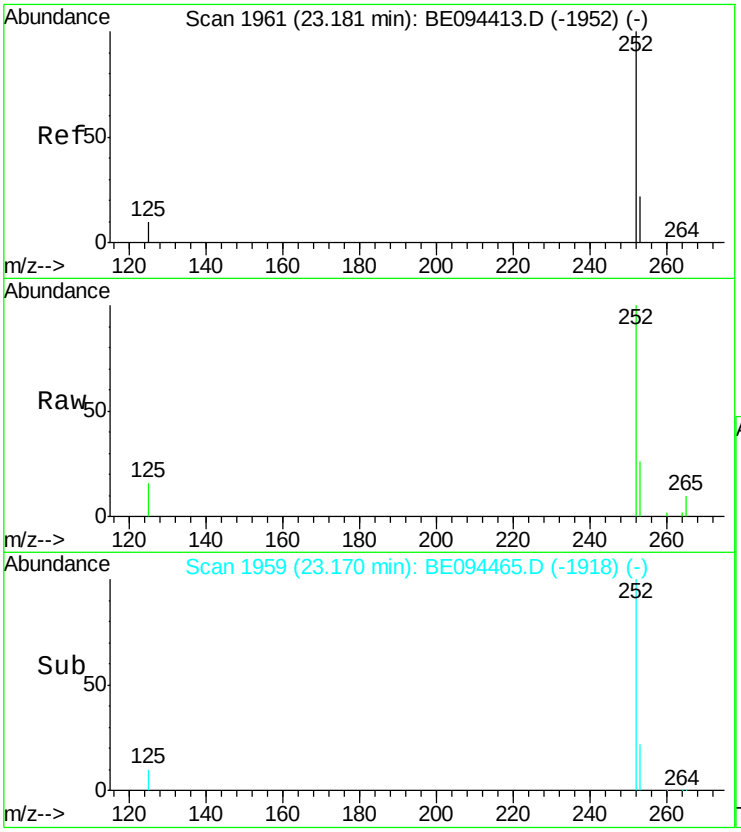


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.95 min Scan# 2130
Delta R.T. -0.02 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:264 Resp: 9205

Ion	Ratio	Lower	Upper
264	100		
260	26.3	20.5	30.7
265	36.4	22.8	34.2#





#35
Benzo(b)fluoranthene
Concen: 0.396 ng
RT: 23.17 min Scan# 1959
Delta R.T. -0.01 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:252 Resp: 12379

Ion	Ratio	Lower	Upper
252	100		
253	26.1	48.0	72.0#
125	15.8	56.0	84.0#

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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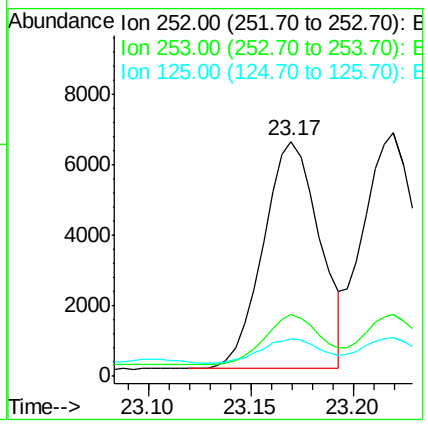
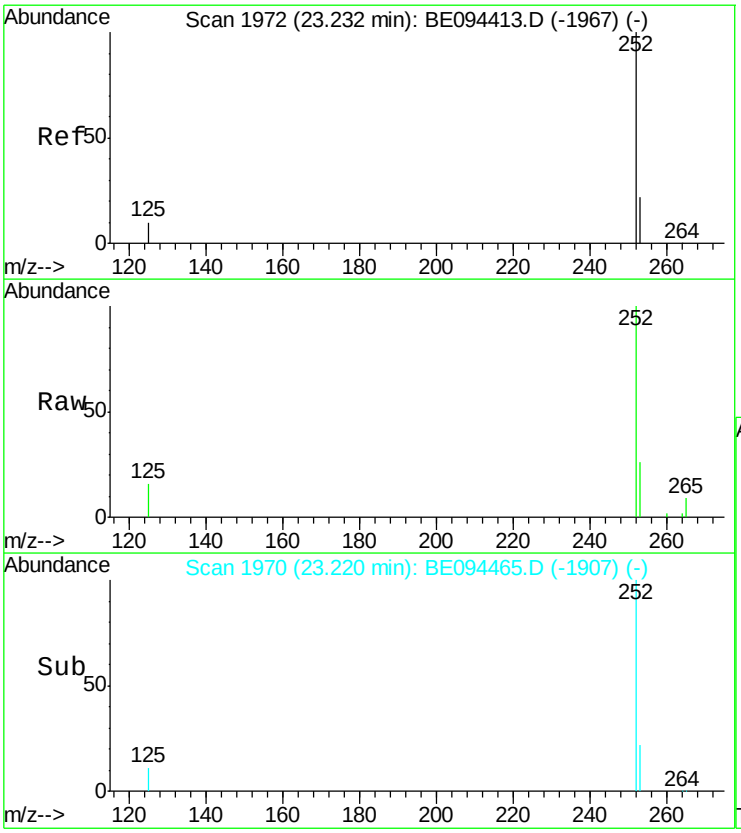
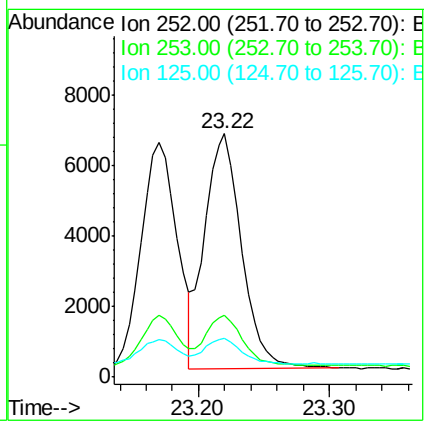


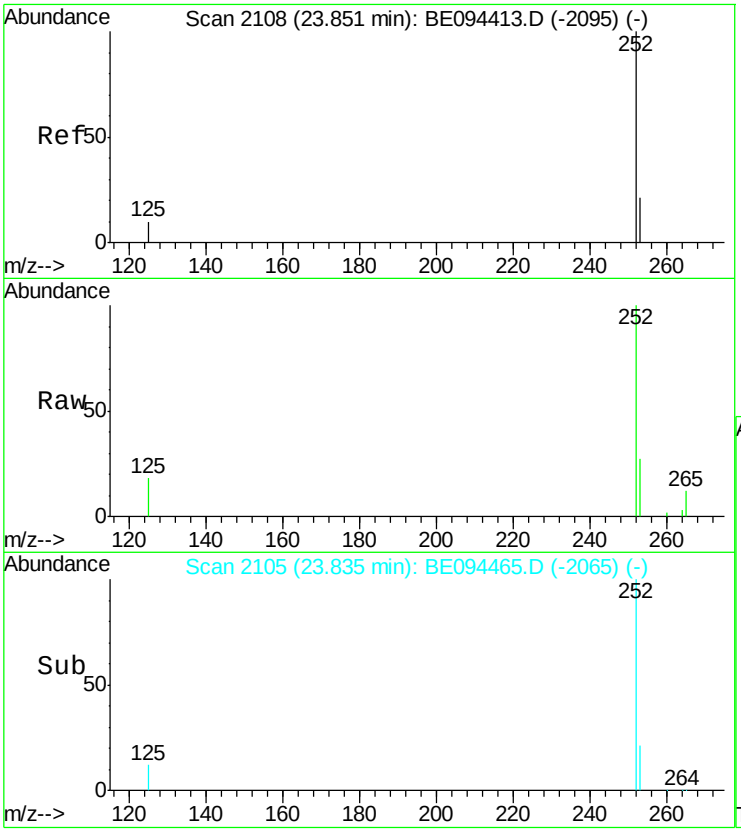


#36
Benzo(k)fluoranthene
Concen: 0.424 ng
RT: 23.22 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:252 Resp: 13043

Ion	Ratio	Lower	Upper
252	100		
253	25.6	48.0	72.0#
125	15.8	56.0	84.0#





#37
Benzo(a)pyrene
Concen: 0.409 ng
RT: 23.83 min Scan# 2105
Delta R.T. -0.02 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:252 Resp: 12010

Ion	Ratio	Lower	Upper
252	100		
253	26.6	52.0	78.0#
125	18.4	68.0	102.0#

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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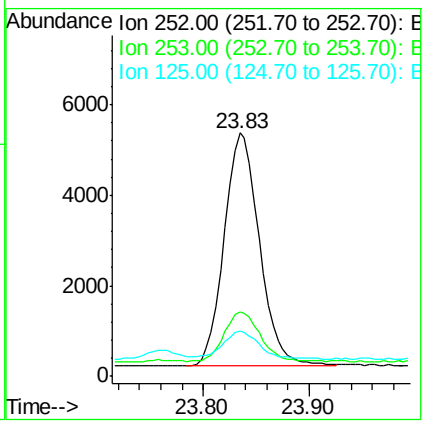
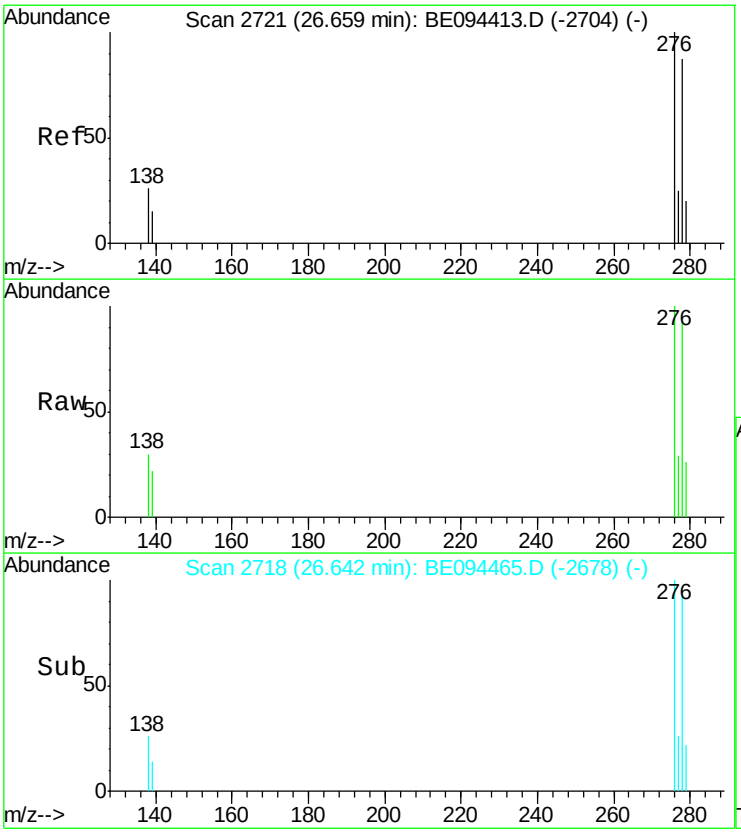
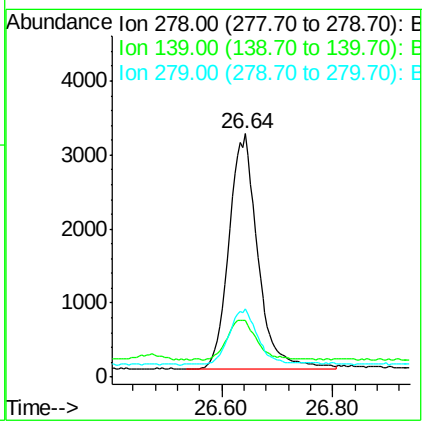


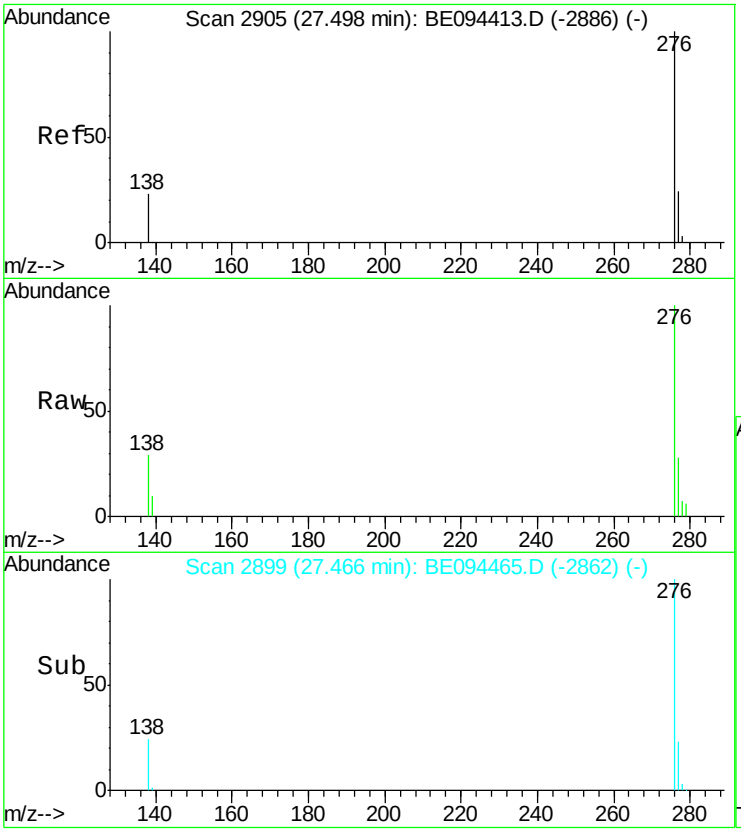


#38
Dibenzo(a,h)anthracene
Concen: 0.412 ng
RT: 26.64 min Scan# 2718
Delta R.T. -0.02 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:278 Resp: 11443

Ion	Ratio	Lower	Upper
278	100		
139	23.4	56.0	84.0#
279	27.9	52.0	78.0#

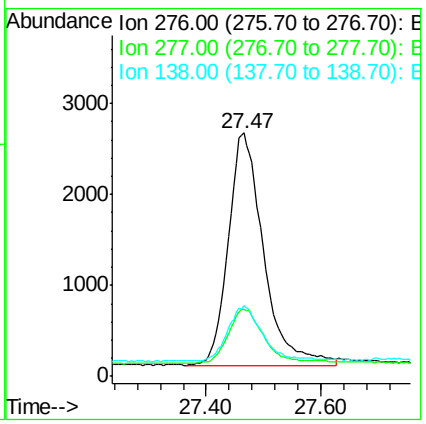




#39
Benzo(g,h,i)perylene
Concen: 0.409 ng
RT: 27.47 min Scan# 2899
Delta R.T. -0.03 min
Lab File: BE094465.D
Acq: 20 Oct 2017 3:01

Tgt Ion:276 Resp: 10939

Ion	Ratio	Lower	Upper
276	100		
277	27.5	52.0	78.0#
138	29.3	44.0	66.0#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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