Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022017\
Data File : BE092753.D
Acq On : 20 Feb 2017 22:52
Operator : SJ/MA
Sample : SSTDCCC0.4
Misc :
ALS Vial : 100 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Manual Integrations APPROVED
mohammad
2/21/2017 10:38:41 AM

Quant Time: Feb 21 00:54:24 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE021517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 15 17:05:20 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	16291	5.00	ng		0.00
7) Naphthalene-d8	10.88	136	81863	5.00	ng		-0.02
12) Acenaphthene-d10	14.76	164	51773	5.00	ng		0.00
18) Phenanthrene-d10	17.51	188	107987	5.00	ng		0.00
24) Chrysene-d12	21.70	240	96305	5.00	ng		0.00
31) Perylene-d12	24.02	264	100538	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.62	112	1531	0.48	ng		-0.02
5) Phenol-d6	7.29	99	2287	0.59	ng		-0.02
8) Nitrobenzene-d5	9.29	82	2119	0.46	ng		-0.02
13) 2,4,6-Tribromophenol	16.26	330	569	0.52	ng		-0.02
14) 2-Fluorobiphenyl	13.38	172	5378	0.43	ng		-0.02
26) Terphenyl-d14	20.12	244	6357	0.52	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.34	88	851	0.37	ng		96
3) n-Nitrosodimethylamine	3.72	42	908	0.50	ng	#	98
6) bis(2-Chloroethyl)ether	7.54	93	1867	0.43	ng	#	29
9) Naphthalene	10.93	128	7235	0.41	ng		97
10) Hexachlorobutadiene	11.22	225	1125	0.43	ng		98
11) 2-Methylnaphthalene	12.57	142	4457	0.40	ng		97
15) Acenaphthylene	14.48	152	31007	0.40	ng		100
16) Acenaphthene	14.82	154	4665	0.41	ng		89
17) Fluorene	15.81	166	5779	0.40	ng		97
19) Hexachlorobenzene	16.84	284	1595	0.38	ng	#	39
20) Pentachlorophenol	17.21	266	377	0.55	ng		96
21) Phenanthrene	17.56	178	9436	0.37	ng		96
22) Anthracene	17.65	178	9426	0.40	ng		98
23) Fluoranthene	19.56	202	41611	0.38	ng		99
25) Pyrene	19.92	202	44639	0.49	ng		100
27) Benzo(a)anthracene	21.68	228	41656	0.45	ng	#	76
28) Chrysene	21.72	228	45955m	0.41	ng		
29) Bis(2-ethylhexyl)phthalate	21.59	149	8389	0.70	ng	#	72
30) Indeno(1,2,3-cd)pyrene	26.48	276	47704	0.44	ng		97
32) Benzo(b)fluoranthene	23.30	252	10373	0.42	ng		99
33) Benzo(k)fluoranthene	23.35	252	11098	0.40	ng		96
34) Benzo(a)pyrene	23.91	252	10074	0.39	ng		99
35) Dibenzo(a,h)anthracene	26.50	278	9705	0.39	ng		98
36) Benzo(g,h,i)perylene	27.23	276	40080	0.38	ng		99

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

Quantitation Report (QT Reviewed)

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Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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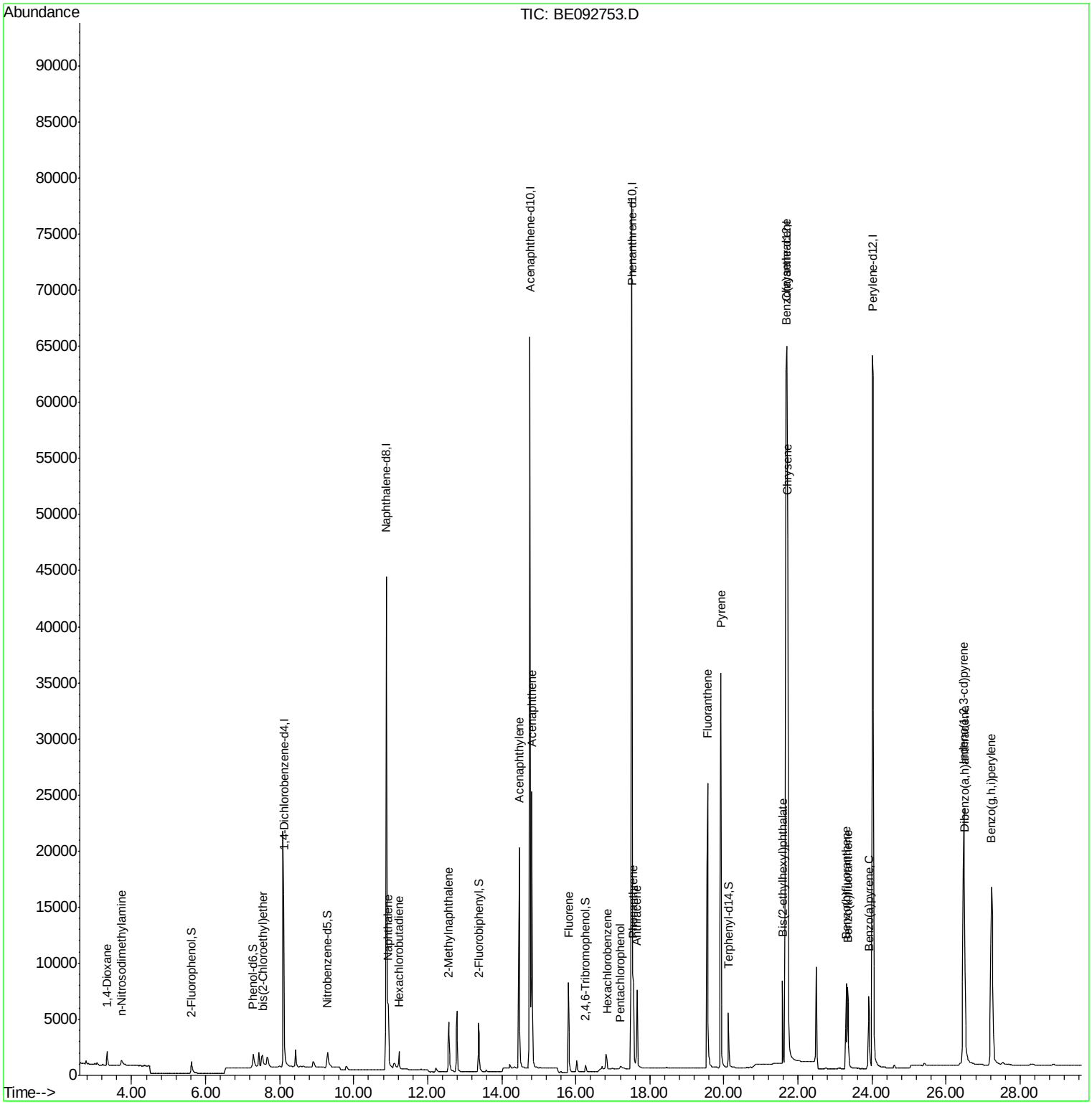
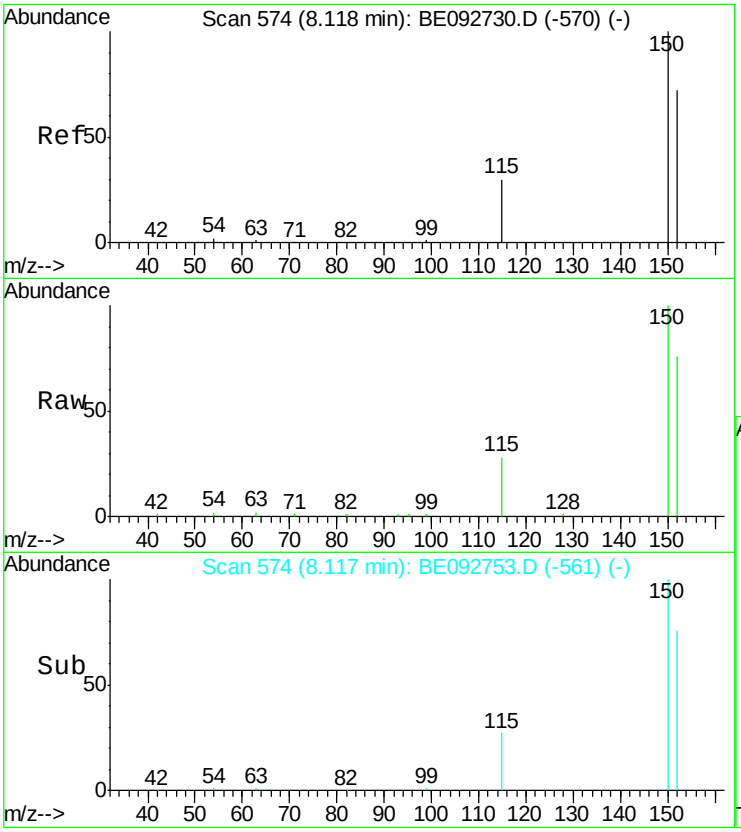
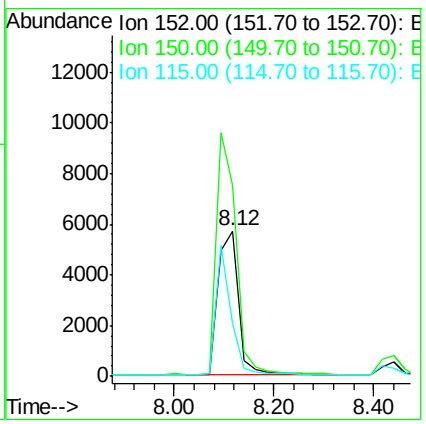




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.12 min Scan# 574
Delta R.T. -0.00 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:152 Resp: 16291

Ion	Ratio	Lower	Upper
152	100		
150	131.4	106.0	159.0
115	36.7	31.2	46.8



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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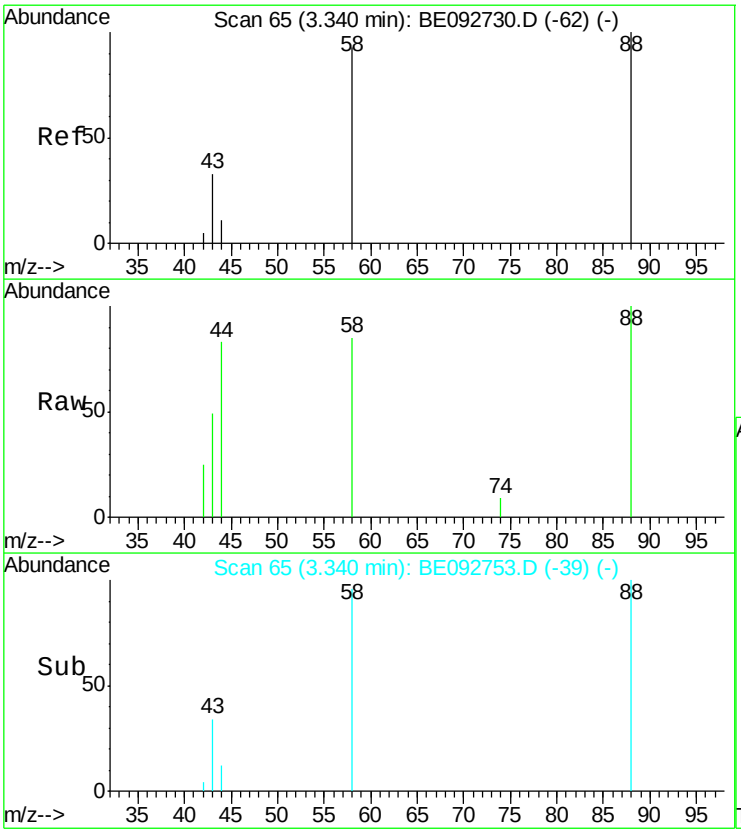
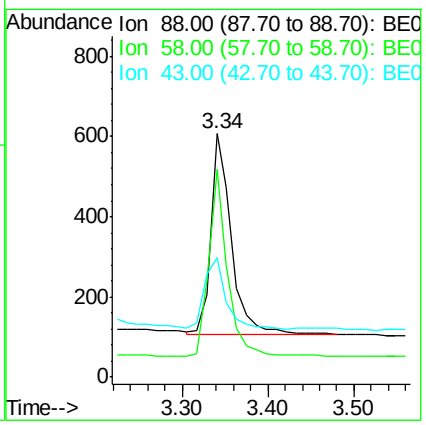
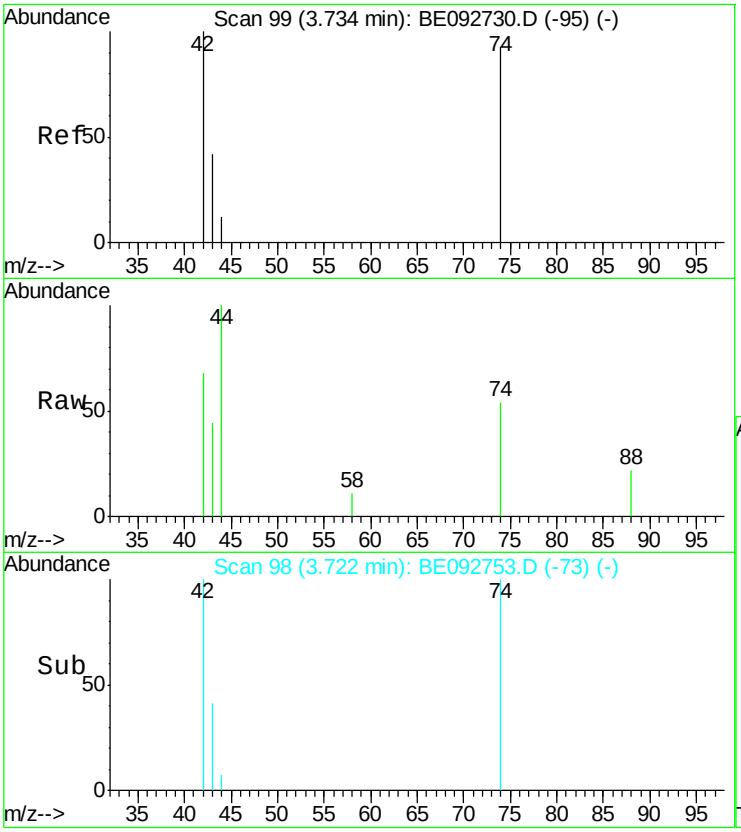


#2
1,4-Dioxane
Concen: 0.37 ng
RT: 3.34 min Scan# 65
Delta R.T. 0.00 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion: 88 Resp: 851

Ion	Ratio	Lower	Upper
88	100		
58	83.4	63.6	95.4
43	37.4	28.0	42.0

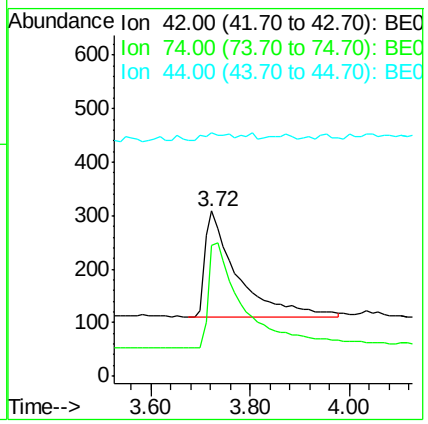




#3
n-Nitrosodimethylamine
Concen: 0.50 ng
RT: 3.72 min Scan# 98
Delta R.T. -0.01 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion: 42 Resp: 908

Ion	Ratio	Lower	Upper
42	100		
74	109.3	86.0	129.0
44	4.5	5.1	7.7#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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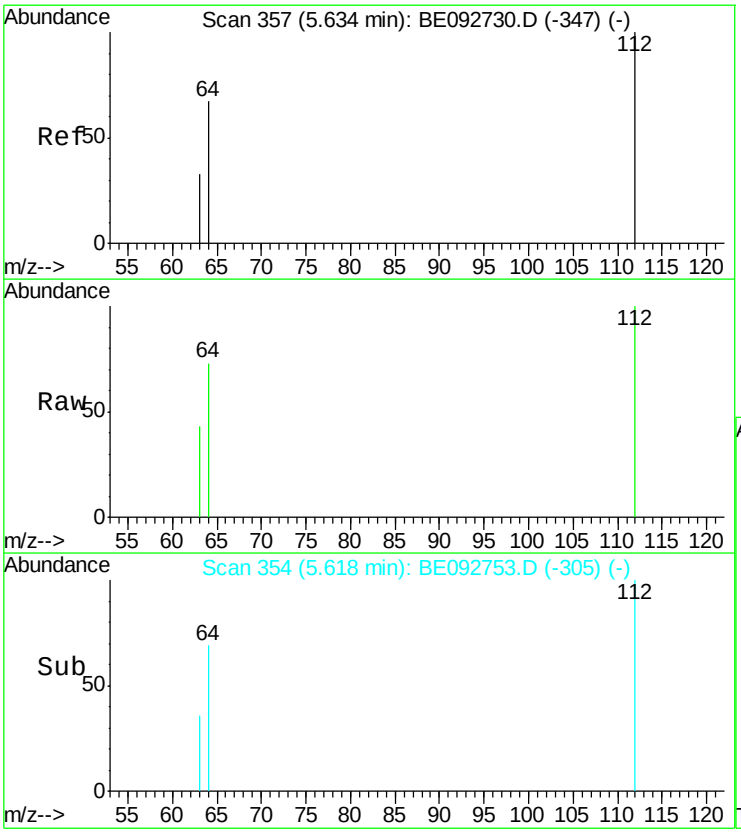
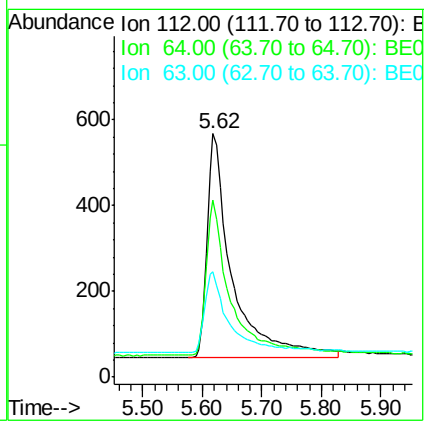
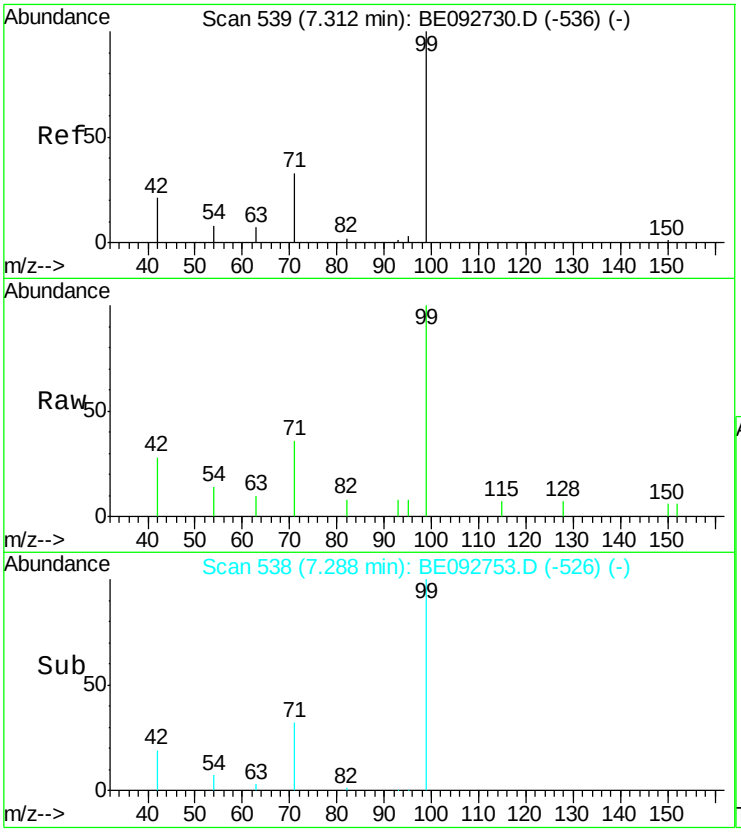


#4
2-Fluorophenol
Concen: 0.48 ng
RT: 5.62 min Scan# 354
Delta R.T. -0.02 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:112 Resp: 1531

Ion	Ratio	Lower	Upper
112	100		
64	69.3	53.5	80.3
63	36.6	27.9	41.9

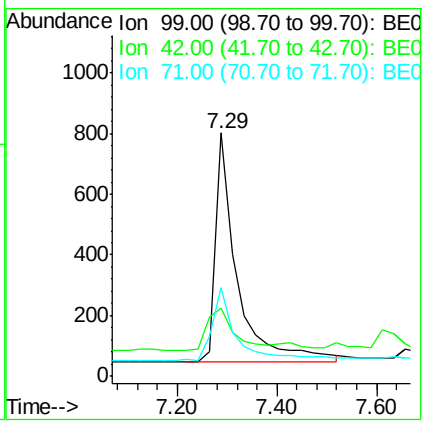




#5
Phenol-d6
Concen: 0.59 ng
RT: 7.29 min Scan# 538
Delta R.T. -0.02 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion: 99 Resp: 2287

Ion	Ratio	Lower	Upper
99	100		
42	23.3	16.0	24.0
71	36.2	30.6	45.8



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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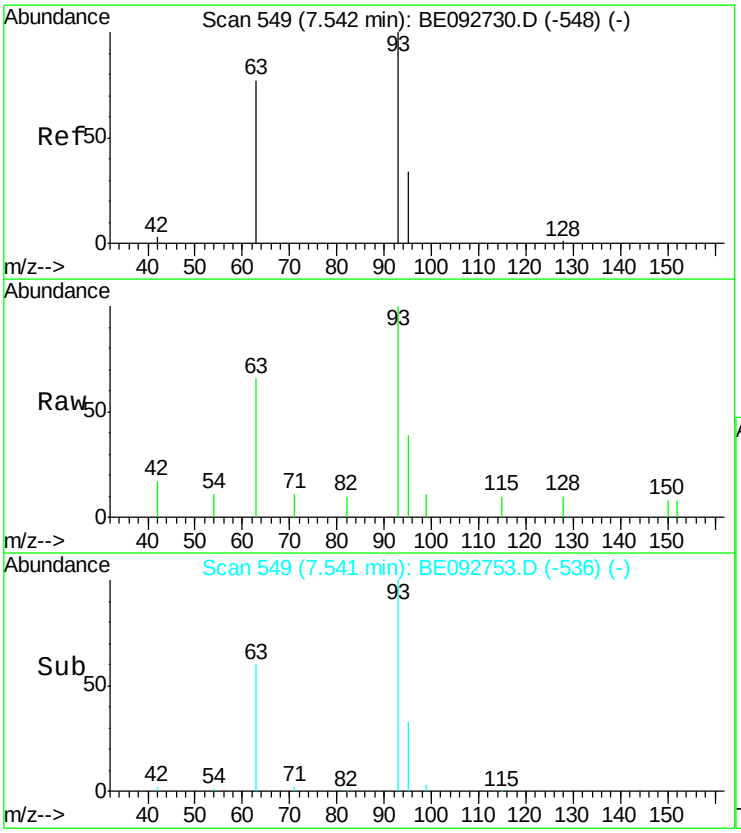
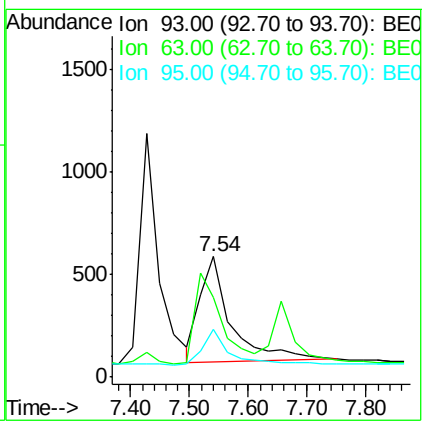
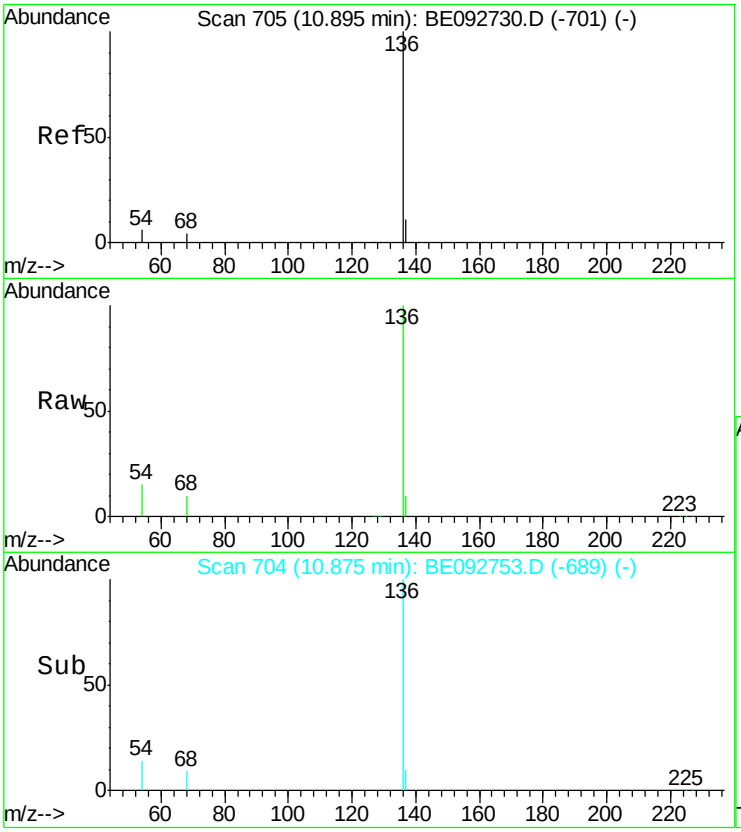


#6
bis(2-Chloroethyl)ether
Concen: 0.43 ng
RT: 7.54 min Scan# 549
Delta R.T. -0.00 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion: 93 Resp: 1867

Ion	Ratio	Lower	Upper
93	100		
63	0.0	71.6	107.4#
95	30.0	24.0	36.0

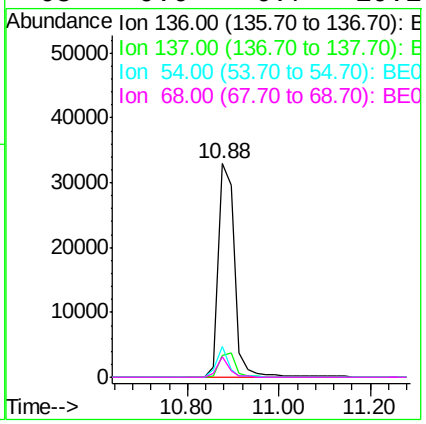




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.88 min Scan# 704
Delta R.T. -0.02 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:136 Resp: 81863

Ion	Ratio	Lower	Upper
136	100		
137	9.9	8.2	12.4
54	14.6	9.6	14.4#
68	9.6	6.7	10.1



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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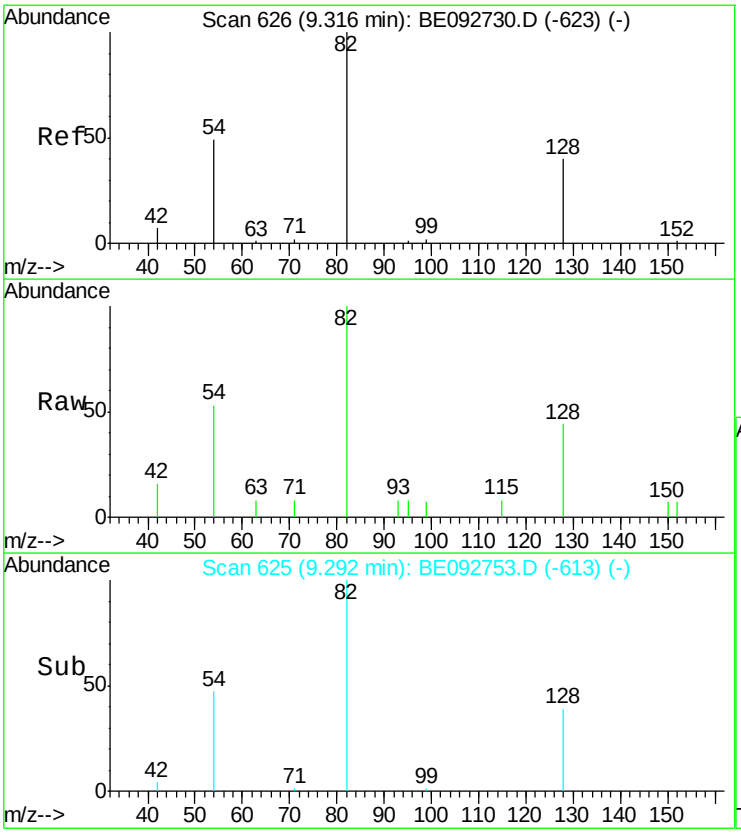
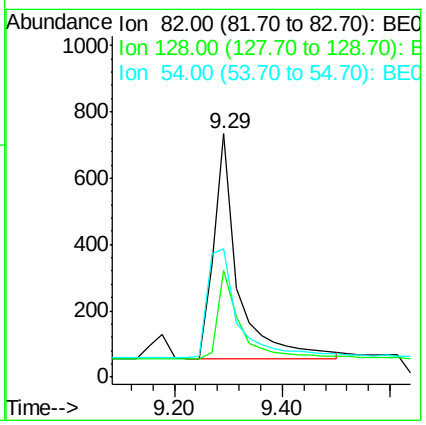
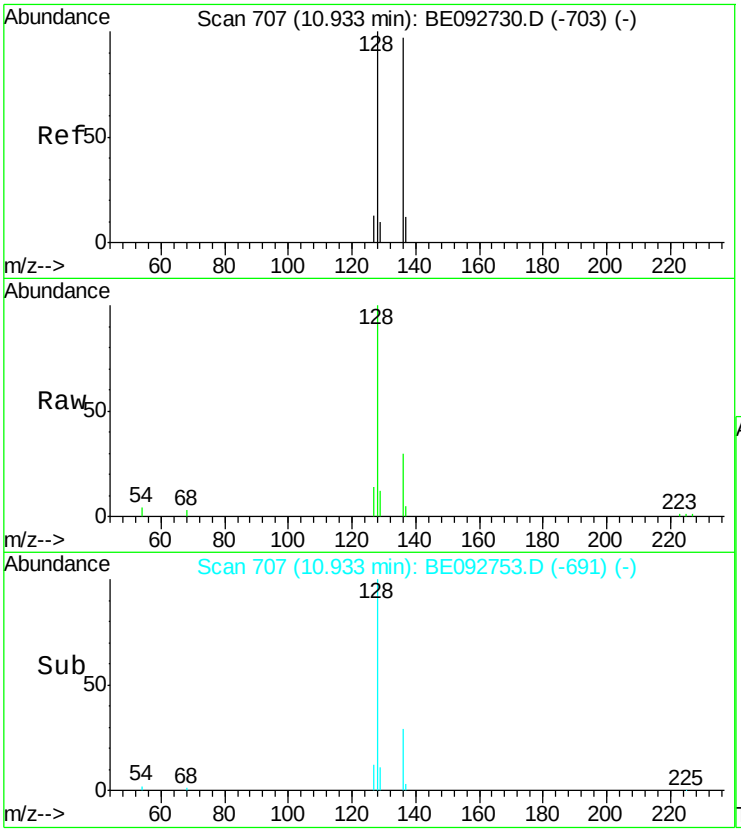


#8
Nitrobenzene-d5
Concen: 0.46 ng
RT: 9.29 min Scan# 625
Delta R.T. -0.02 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion: 82 Resp: 2119

Ion	Ratio	Lower	Upper
82	100		
128	43.9	39.0	58.4
54	52.6	44.8	67.2

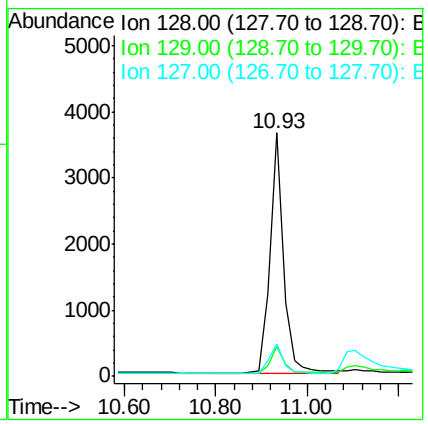




#9
Naphthalene
Concen: 0.41 ng
RT: 10.93 min Scan# 707
Delta R.T. -0.00 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:128 Resp: 7235

Ion	Ratio	Lower	Upper
128	100		
129	12.3	11.2	16.8
127	13.6	11.6	17.4



Instrument :
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ClientSampleId :
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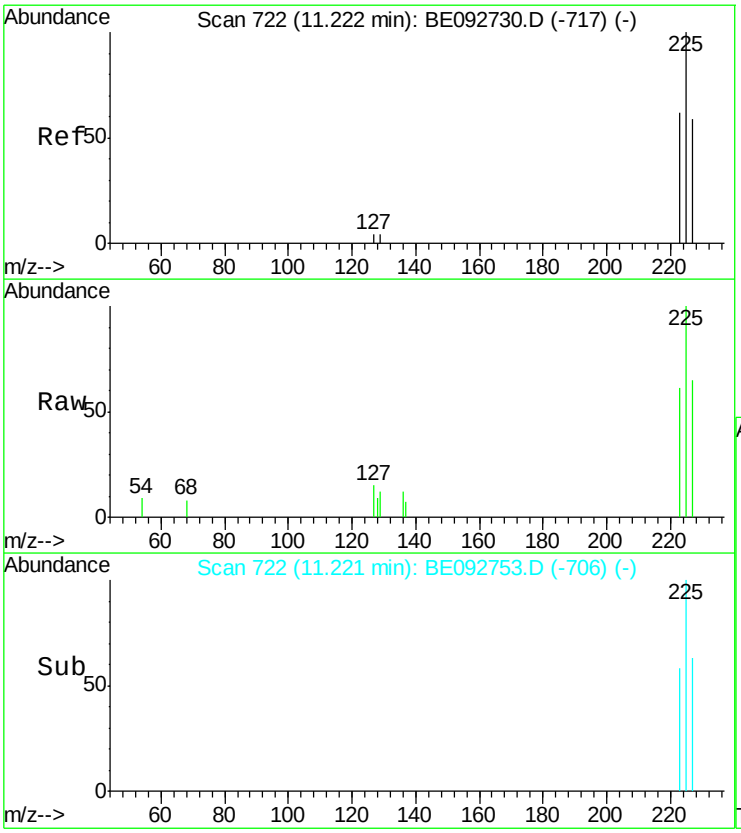
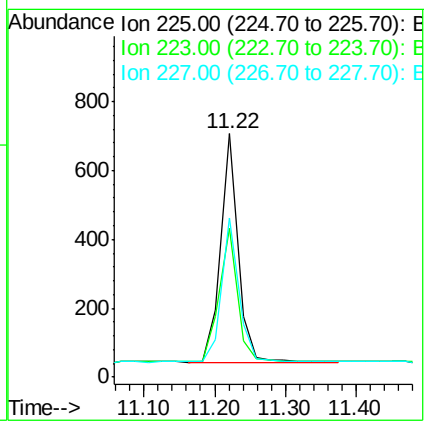
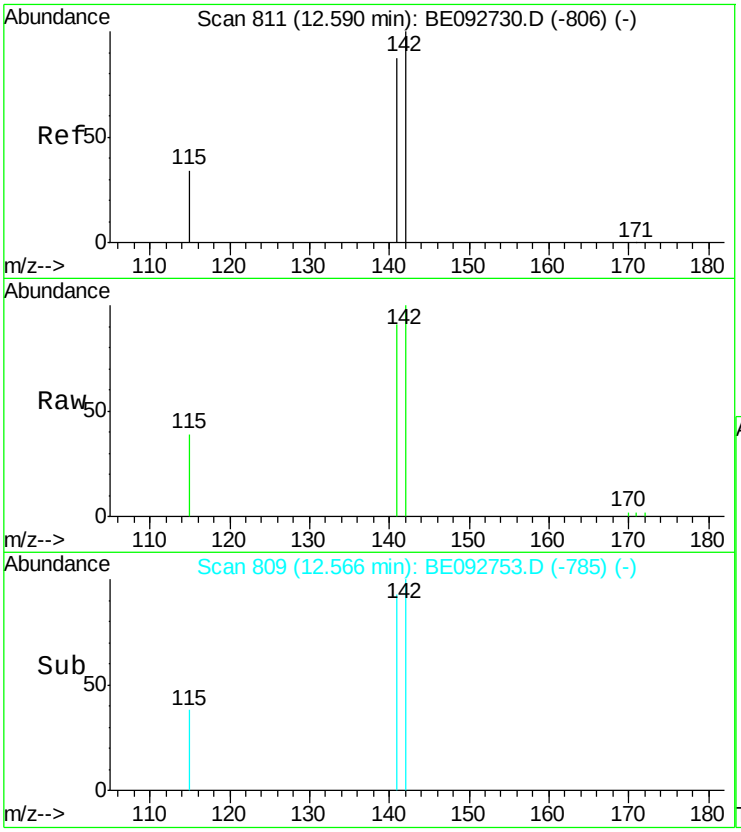


#10
Hexachlorobutadiene
Concen: 0.43 ng
RT: 11.22 min Scan# 722
Delta R.T. -0.00 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:225 Resp: 1125

Ion	Ratio	Lower	Upper
225	100		
223	60.3	50.6	76.0
227	63.6	51.4	77.0

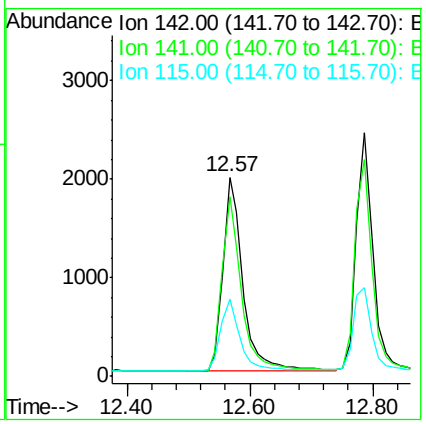




#11
2-Methylnaphthalene
Concen: 0.40 ng
RT: 12.57 min Scan# 809
Delta R.T. -0.02 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:142 Resp: 4457

Ion	Ratio	Lower	Upper
142	100		
141	90.6	73.7	110.5
115	38.8	34.0	51.0



Instrument :
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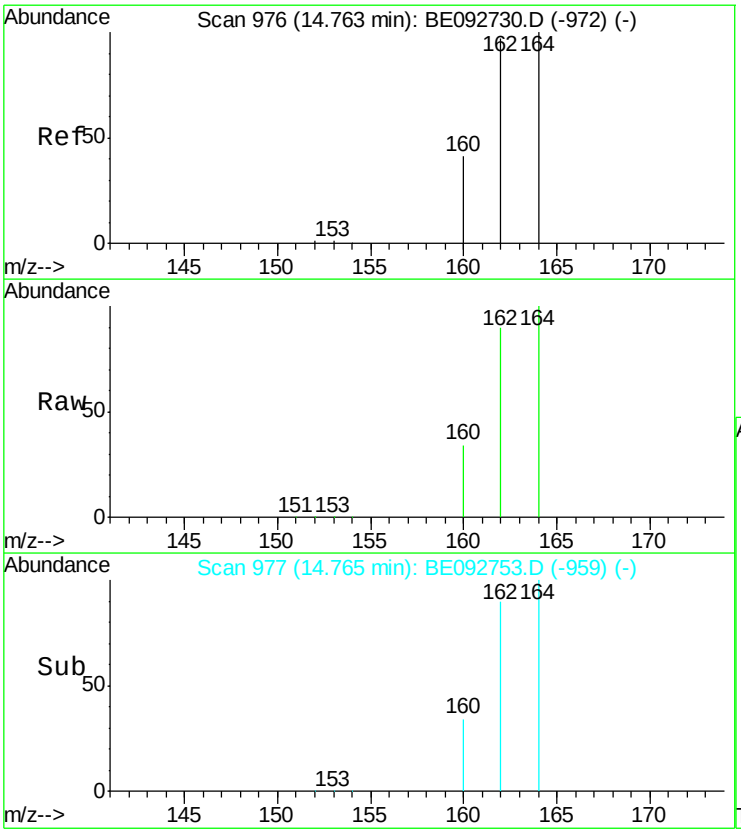
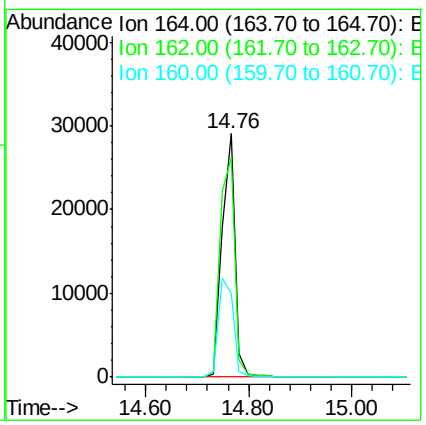
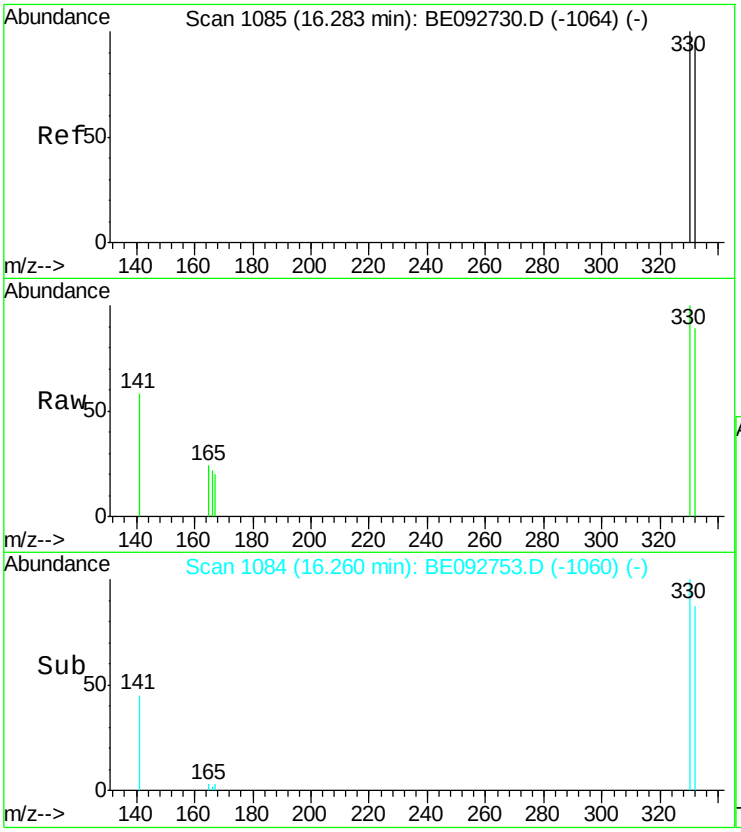


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.76 min Scan# 977
Delta R.T. 0.00 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:164 Resp: 51773

Ion	Ratio	Lower	Upper
164	100		
162	90.2	71.4	107.0
160	34.4	27.4	41.2

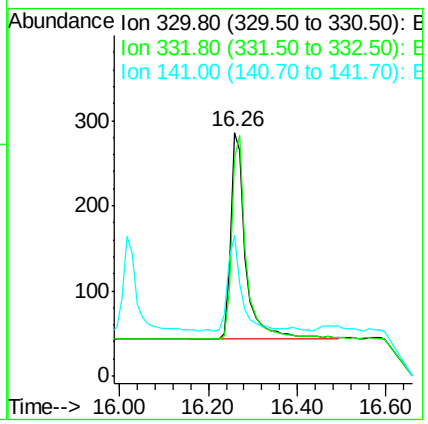




#13
2,4,6-Tribromophenol
Concen: 0.52 ng
RT: 16.26 min Scan# 1084
Delta R.T. -0.02 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:330 Resp: 569

Ion	Ratio	Lower	Upper
330	100		
332	96.1	75.4	113.0
141	41.7	31.0	46.6



Instrument :
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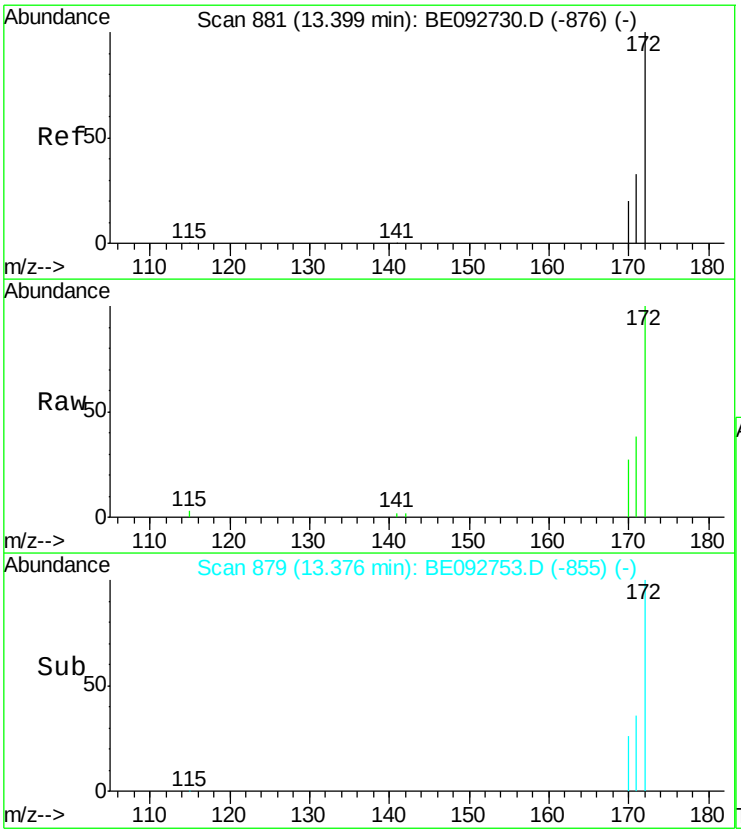
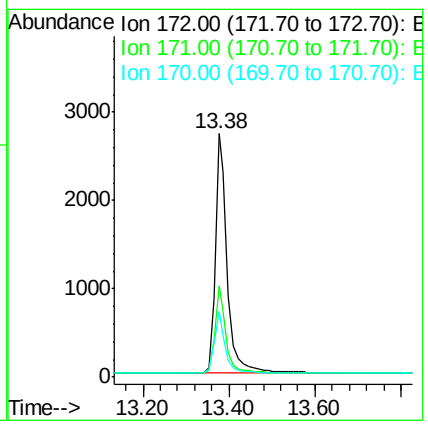
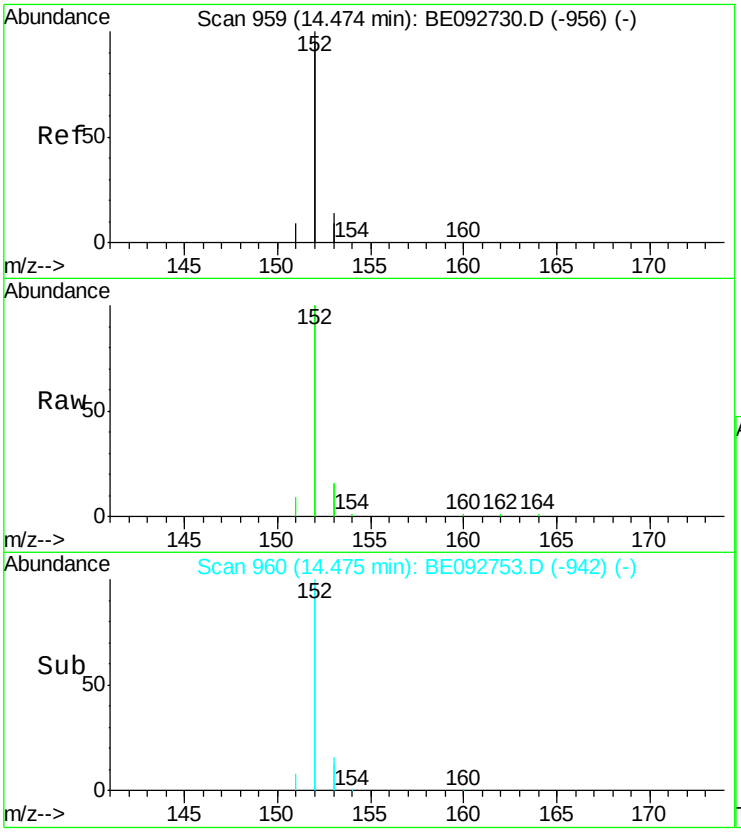


#14
2-Fluorobiphenyl
Concen: 0.43 ng
RT: 13.38 min Scan# 879
Delta R.T. -0.02 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:172 Resp: 5378

Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.1	45.1
170	26.8	21.8	32.6

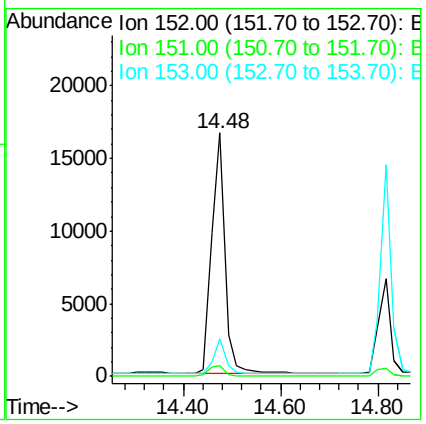




#15
Acenaphthylene
Concen: 0.40 ng
RT: 14.48 min Scan# 960
Delta R.T. 0.00 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:152 Resp: 31007

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.0	10.4	15.6



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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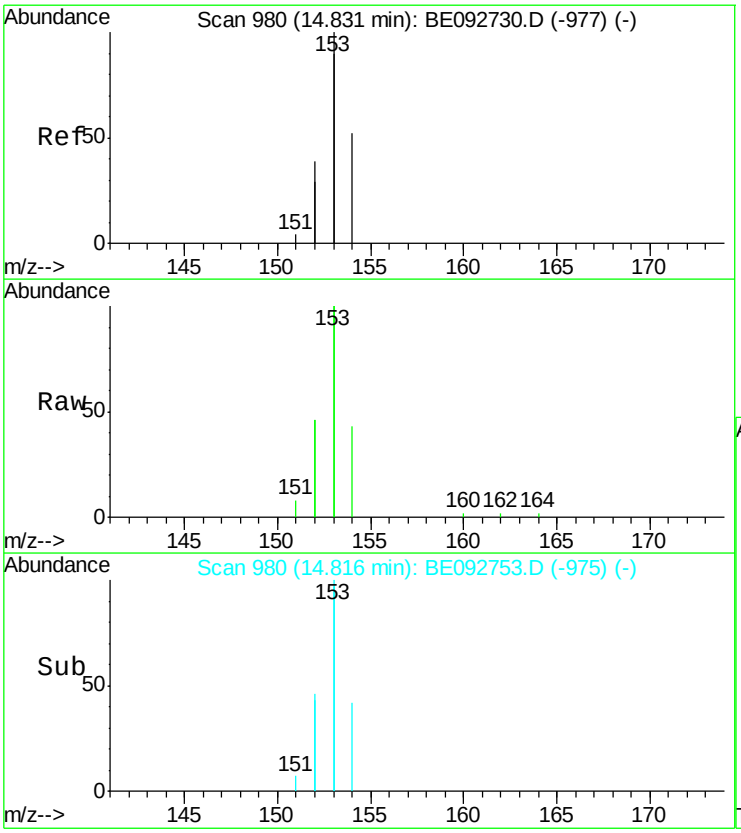
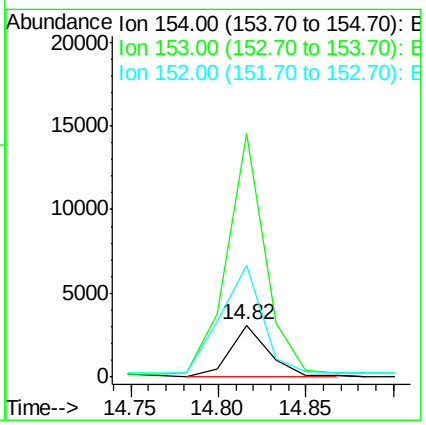
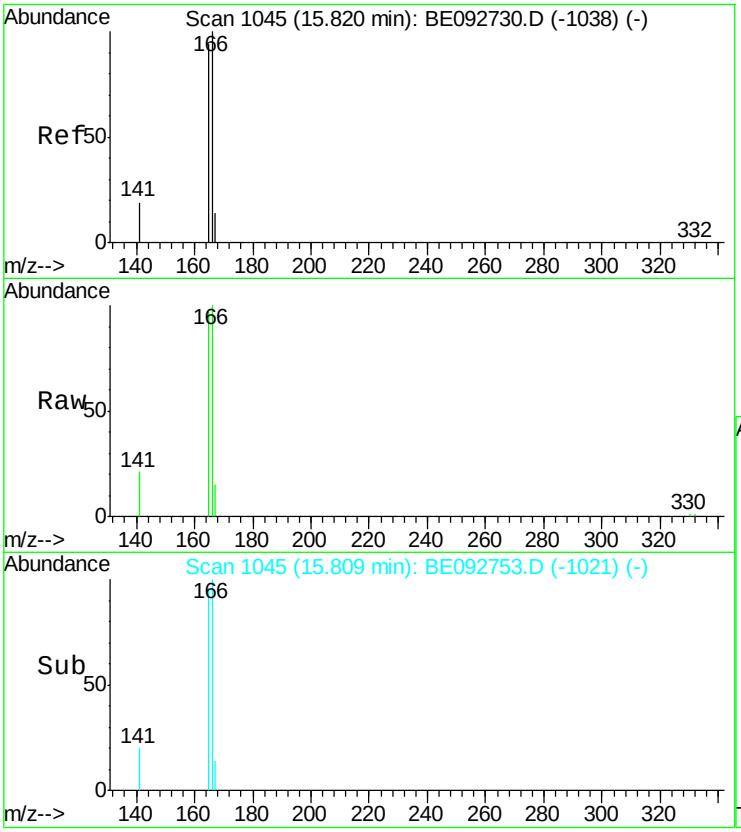


#16
Acenaphthene
Concen: 0.41 ng
RT: 14.82 min Scan# 980
Delta R.T. -0.02 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:154 Resp: 4665

Ion	Ratio	Lower	Upper
154	100		
153	466.6	350.8	526.2
152	231.7	171.1	256.7

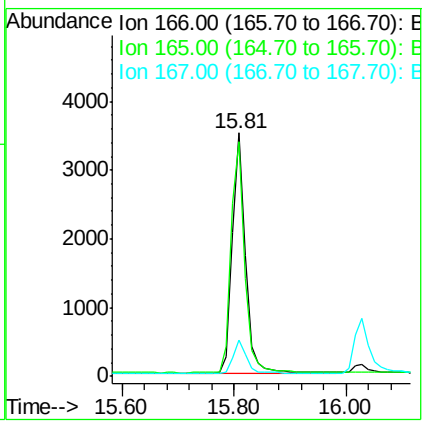




#17
Fluorene
Concen: 0.40 ng
RT: 15.81 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:166 Resp: 5779

Ion	Ratio	Lower	Upper
166	100		
165	100.5	78.2	117.4
167	13.4	11.0	16.4



Instrument :
BNA_E
ClientSampleId :
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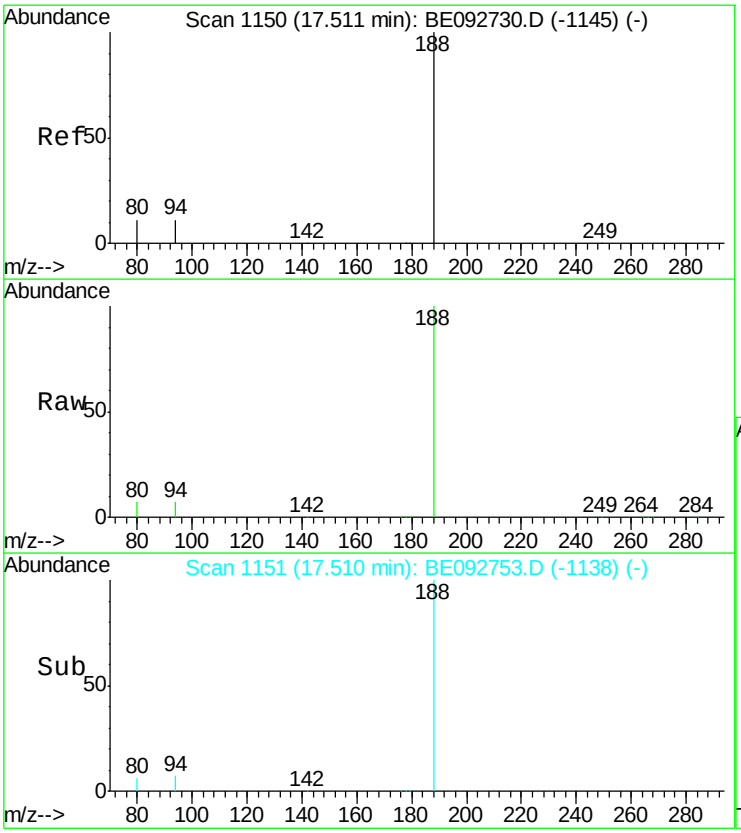
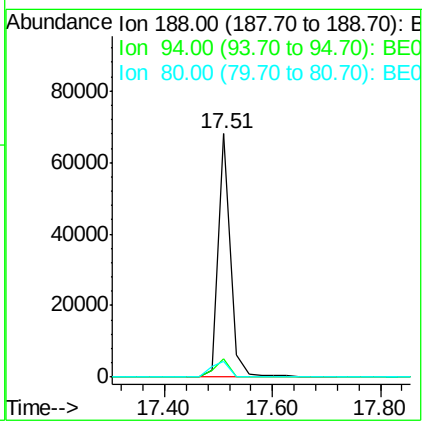
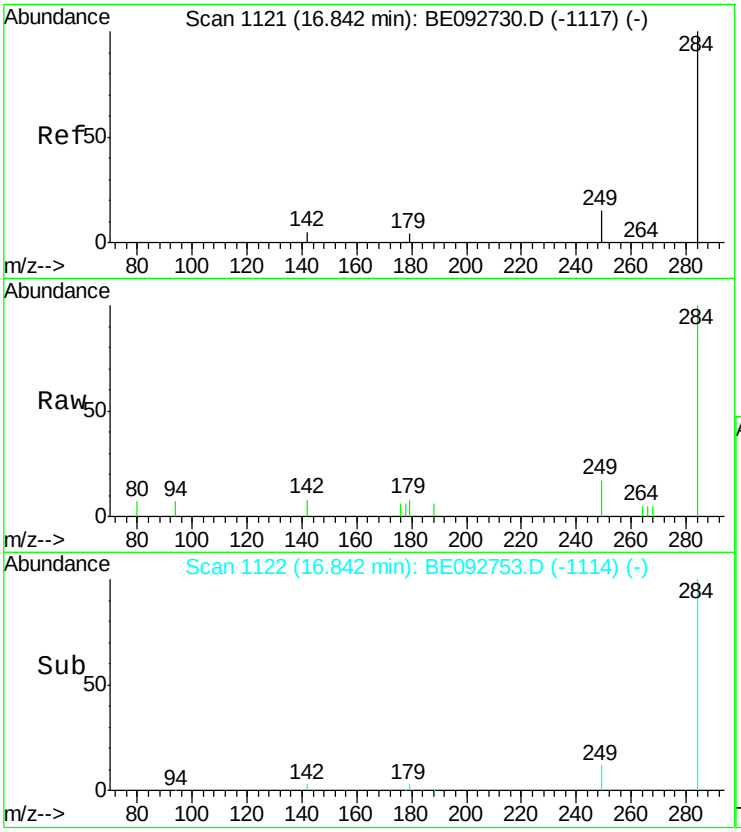


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.51 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:188 Resp: 107987

Ion	Ratio	Lower	Upper
188	100		
94	7.4	3.2	4.8#
80	6.5	2.6	3.8#

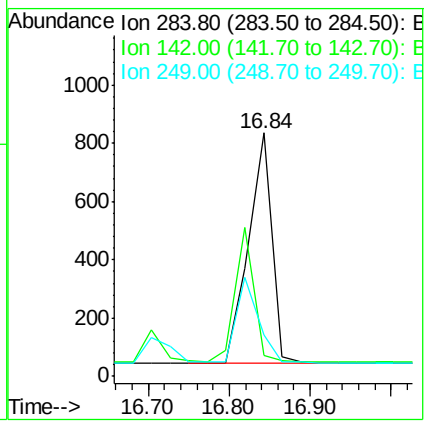




#19
Hexachlorobenzene
Concen: 0.38 ng
RT: 16.84 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:284 Resp: 1595

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



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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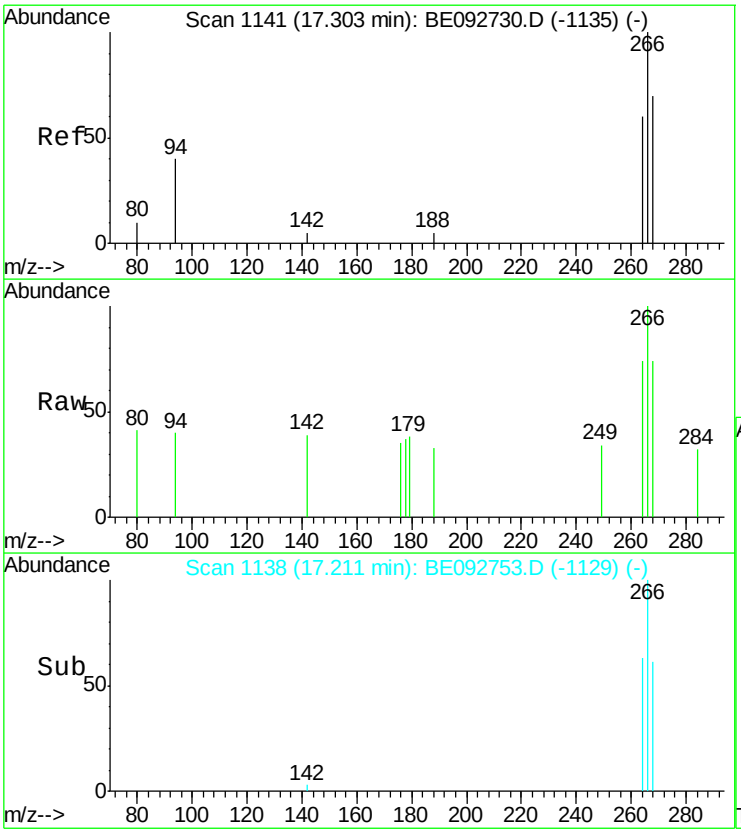
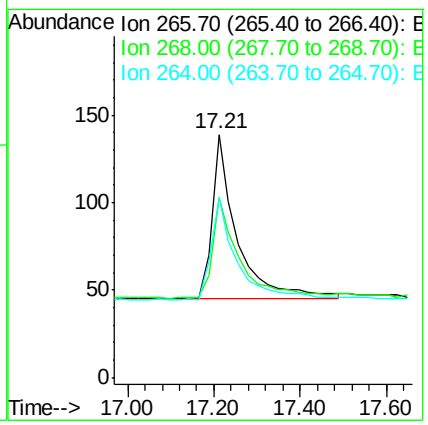
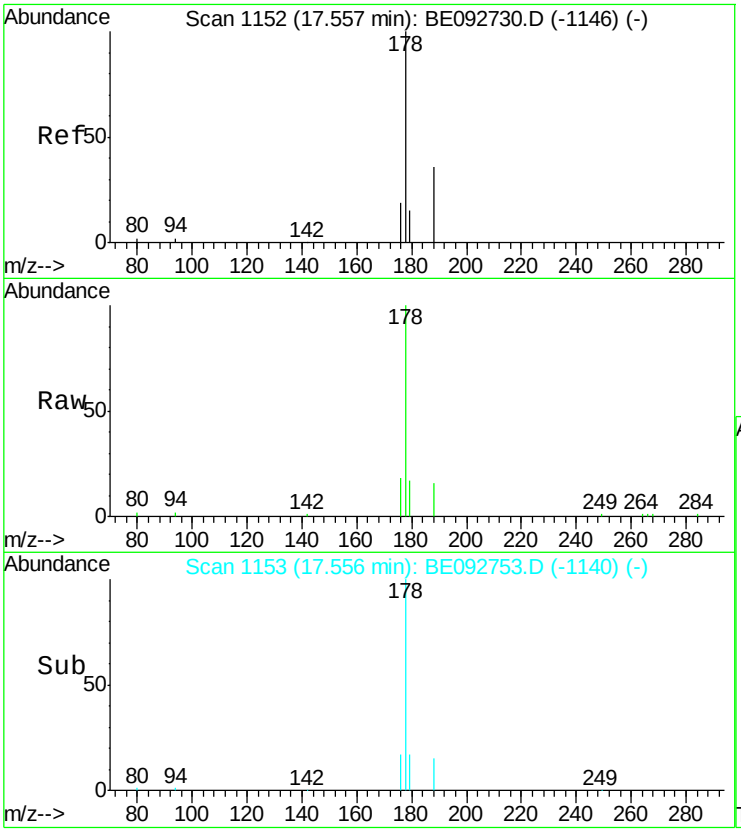


#20
Pentachlorophenol
Concen: 0.55 ng
RT: 17.21 min Scan# 1138
Delta R.T. -0.09 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:266 Resp: 377

Ion	Ratio	Lower	Upper
266	100		
268	74.1	62.5	93.7
264	74.1	57.2	85.8

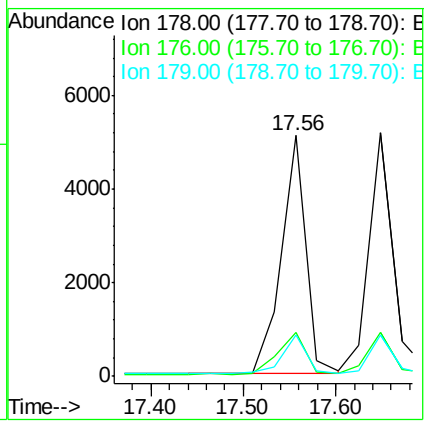




#21
Phenanthrene
Concen: 0.37 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:178 Resp: 9436

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	16.5	16.0	24.0



Instrument :
BNA_E
ClientSampleId :
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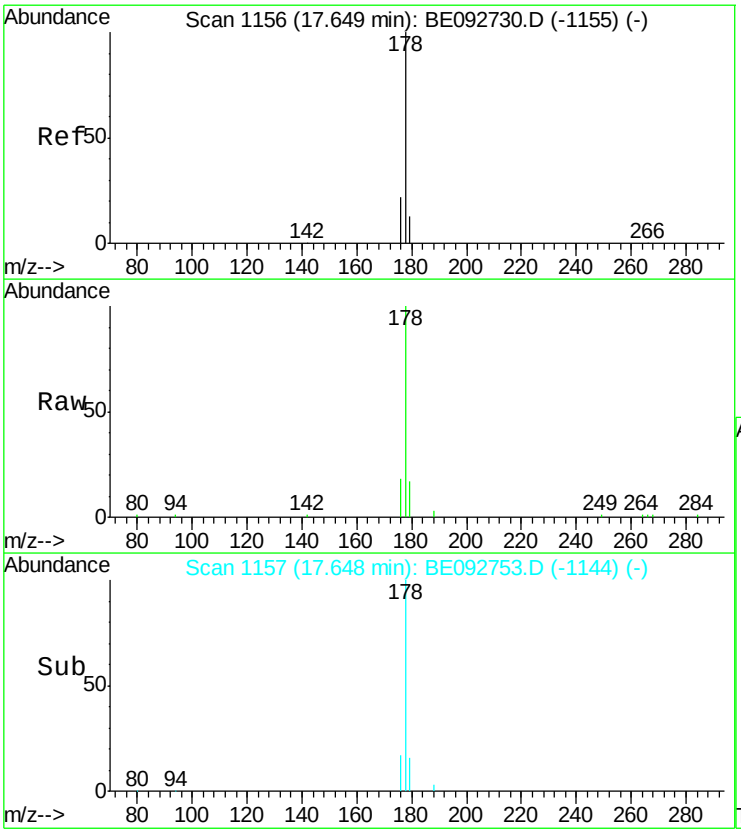
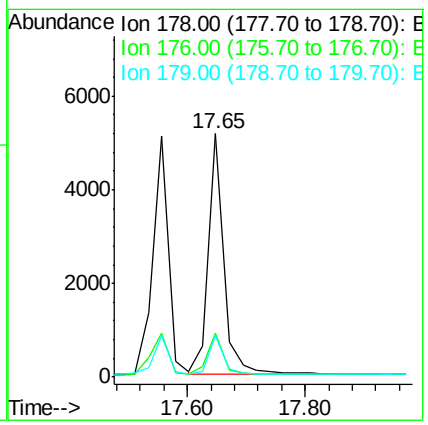
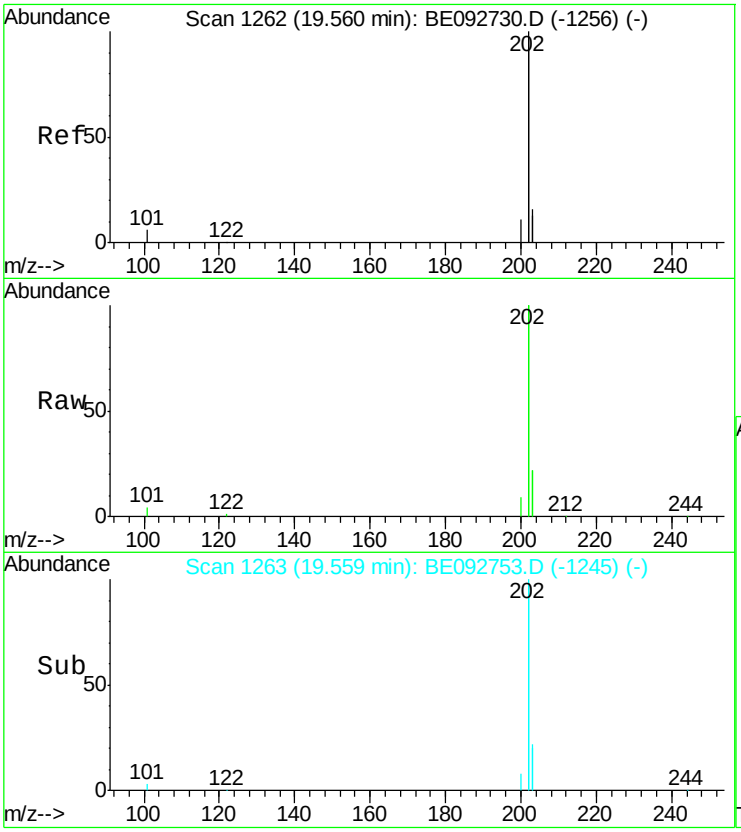


#22
Anthracene
Concen: 0.40 ng
RT: 17.65 min Scan# 1157
Delta R.T. -0.00 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:178 Resp: 9426

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.0	22.4
179	16.2	12.2	18.2





#23
Fluoranthene
Concen: 0.38 ng
RT: 19.56 min Scan# 1263
Delta R.T. -0.00 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:202 Resp: 41611

Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.6	13.7	20.5

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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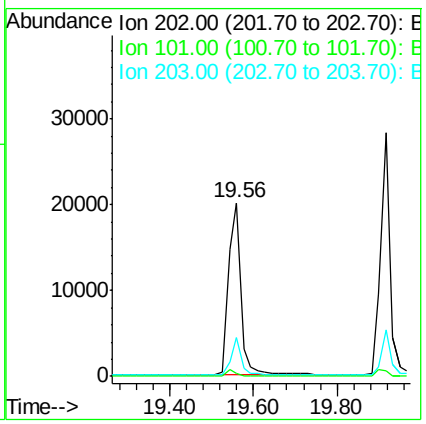
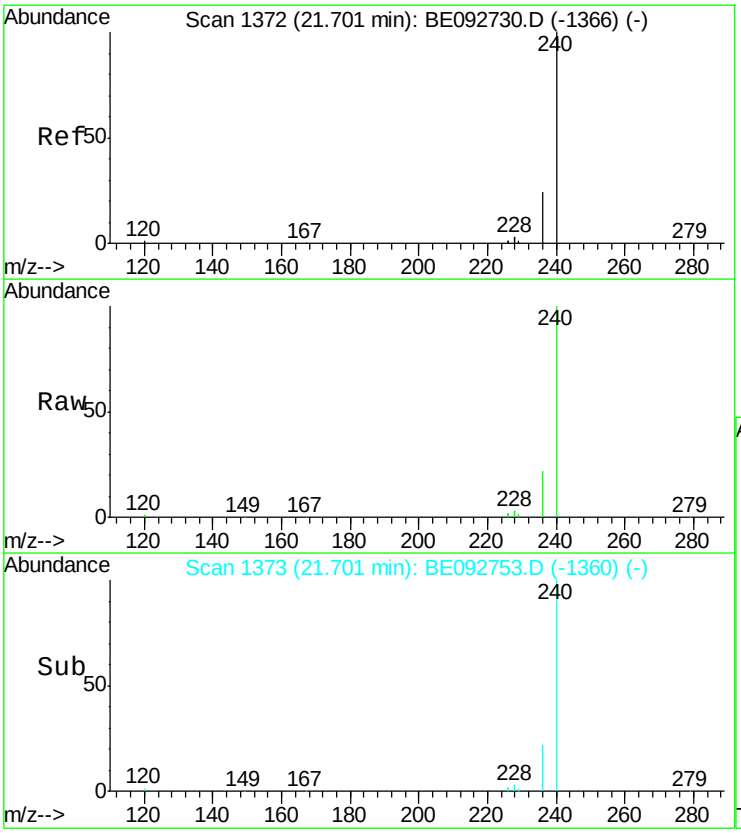
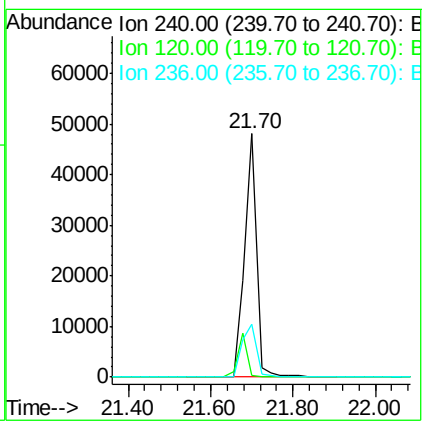


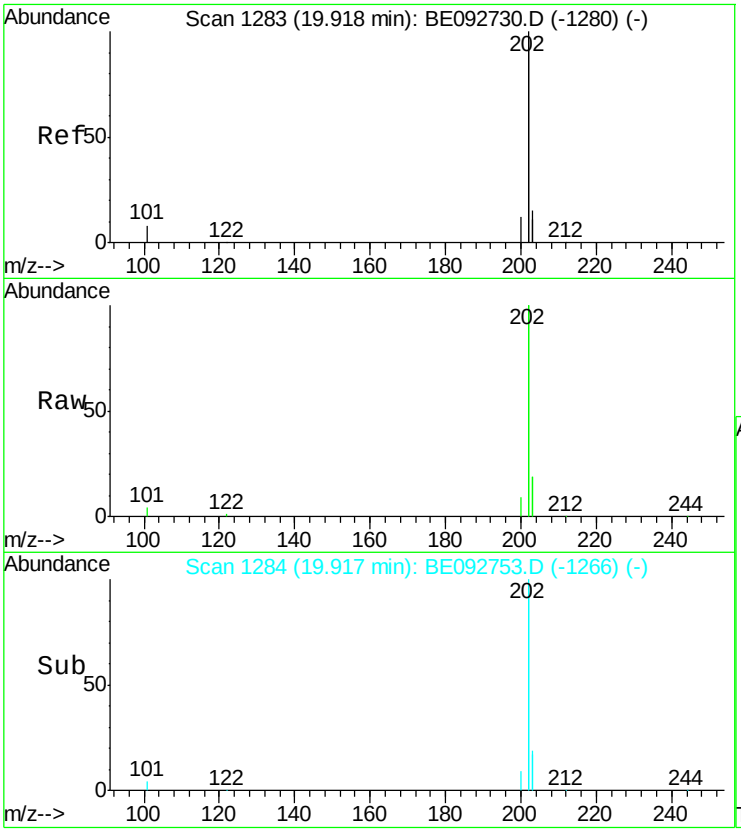


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.70 min Scan# 1373
Delta R.T. -0.00 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:240 Resp: 96305

Ion	Ratio	Lower	Upper
240	100		
120	0.8	2.6	4.0#
236	21.8	24.6	37.0#





#25
Pyrene
Concen: 0.49 ng
RT: 19.92 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:202 Resp: 44639

Ion	Ratio	Lower	Upper
202	100		
200	5.2	4.2	6.4
203	17.6	13.9	20.9

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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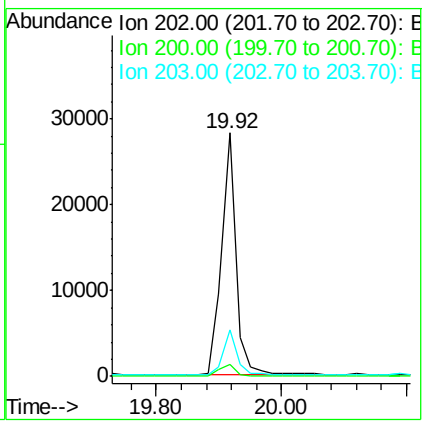
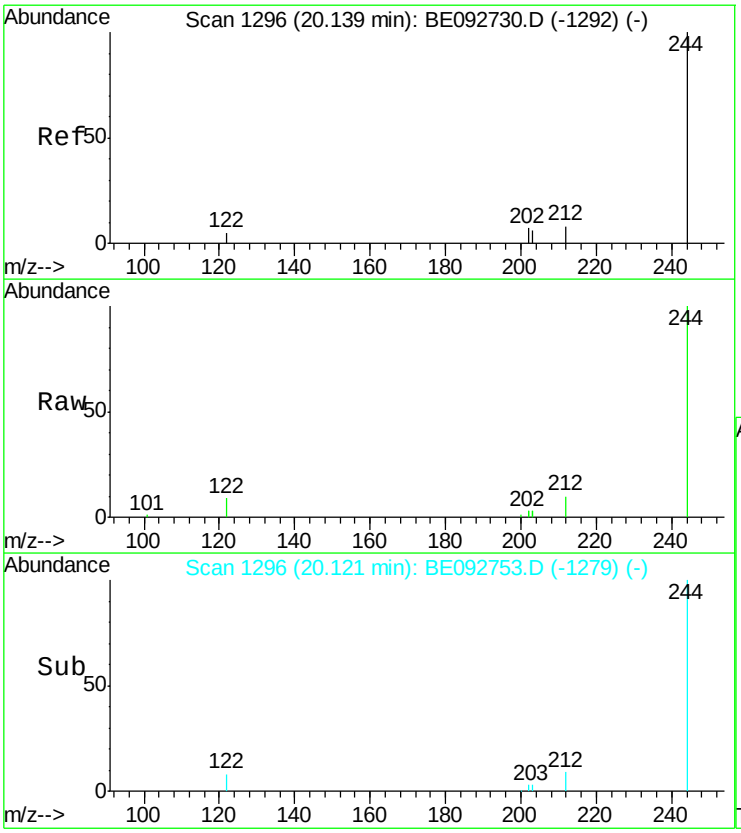
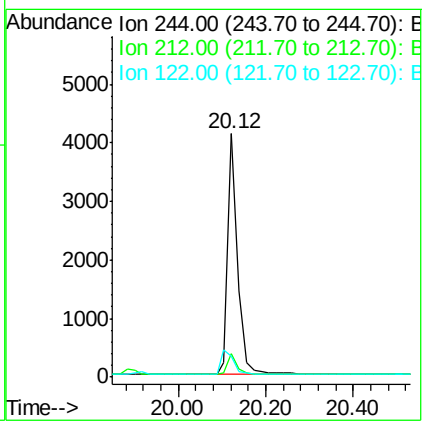


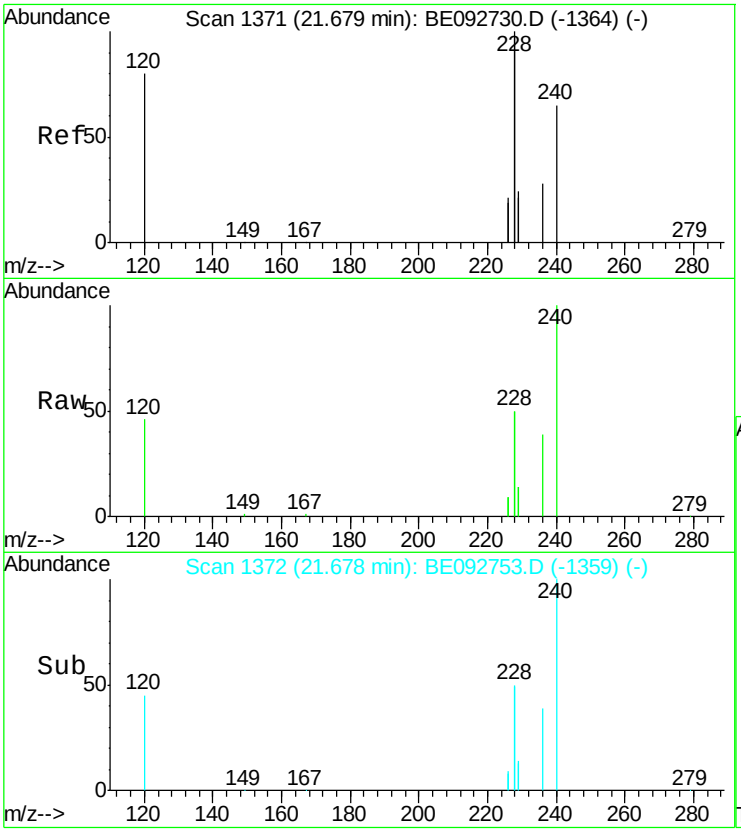


#26
Terphenyl-d14
Concen: 0.52 ng
RT: 20.12 min Scan# 1296
Delta R.T. -0.02 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:244 Resp: 6357

Ion	Ratio	Lower	Upper
244	100		
212	9.7	6.7	10.1
122	8.8	3.6	5.4#





#27
Benzo(a)anthracene
Concen: 0.45 ng
RT: 21.68 min Scan# 1372
Delta R.T. -0.00 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:228 Resp: 41656

Ion	Ratio	Lower	Upper
228	100		
226	17.6	23.6	35.4#
229	28.3	13.3	19.9#

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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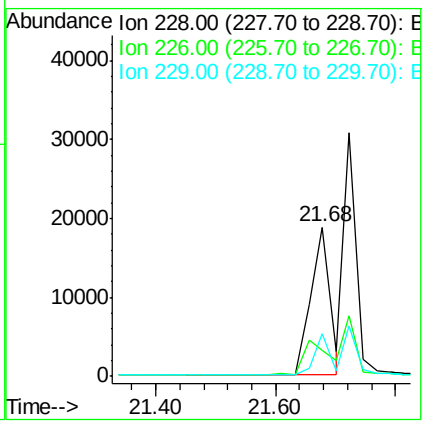
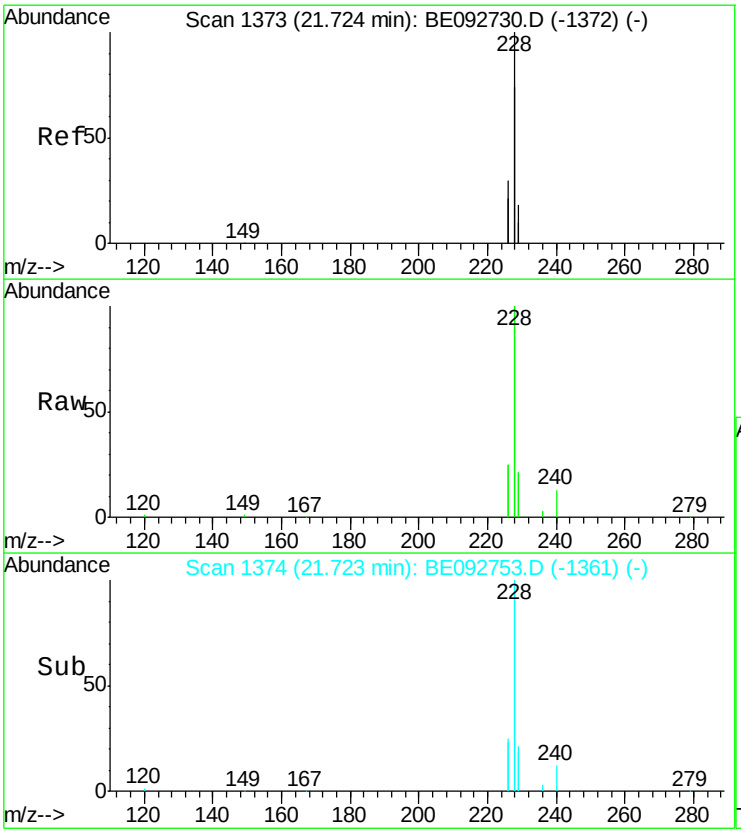
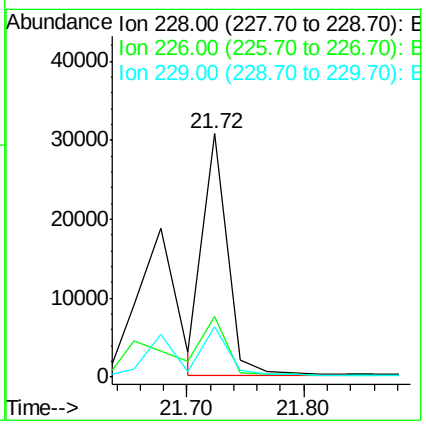


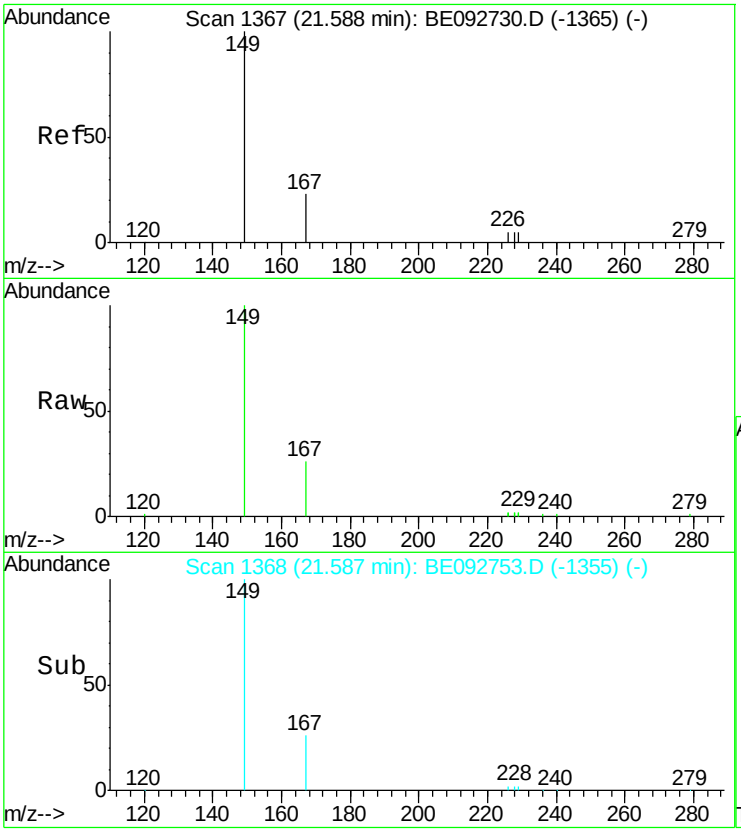


#28
Chrysene
Concen: 0.41 ng m
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:228 Resp: 45955

Ion	Ratio	Lower	Upper
228	100		
226	24.9	36.3	54.5#
229	20.8	10.6	16.0#





#29
Bis(2-ethylhexyl)phthalate
Concen: 0.70 ng
RT: 21.59 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Instrument :
BNA_E
ClientSampleId :
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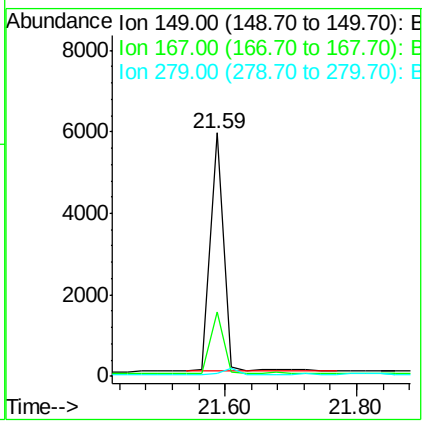
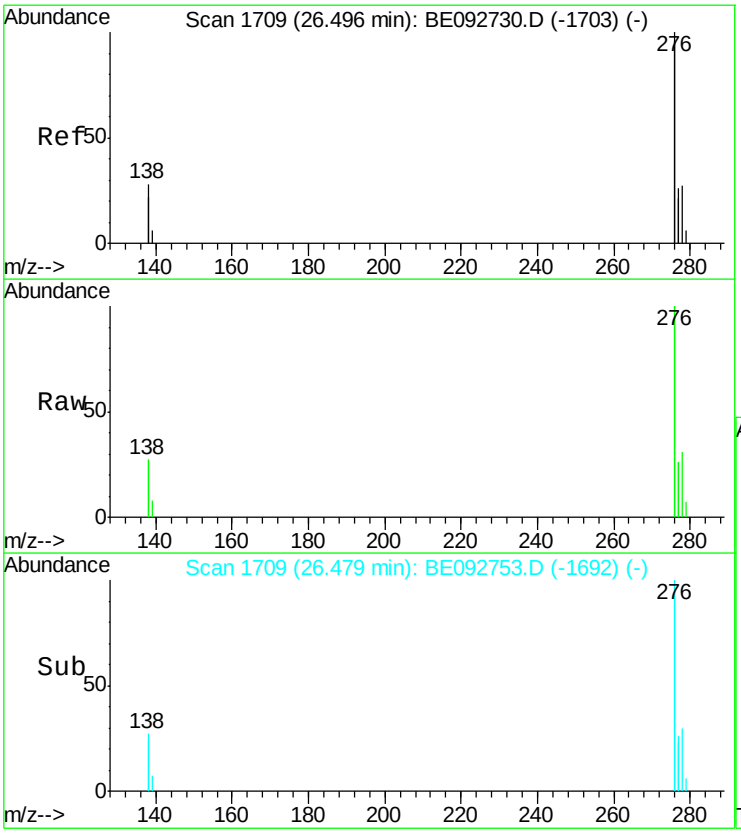
Tgt Ion:149 Resp: 8389

Ion	Ratio	Lower	Upper
149	100		
167	25.5	16.0	24.0#
279	0.0	16.0	24.0#

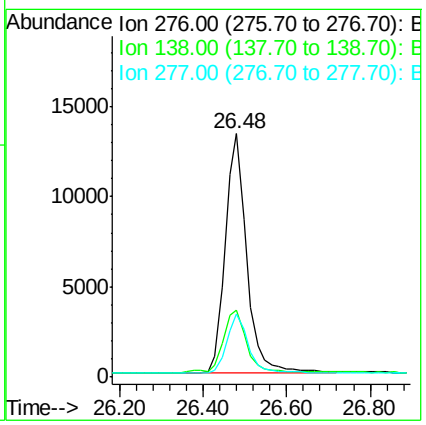


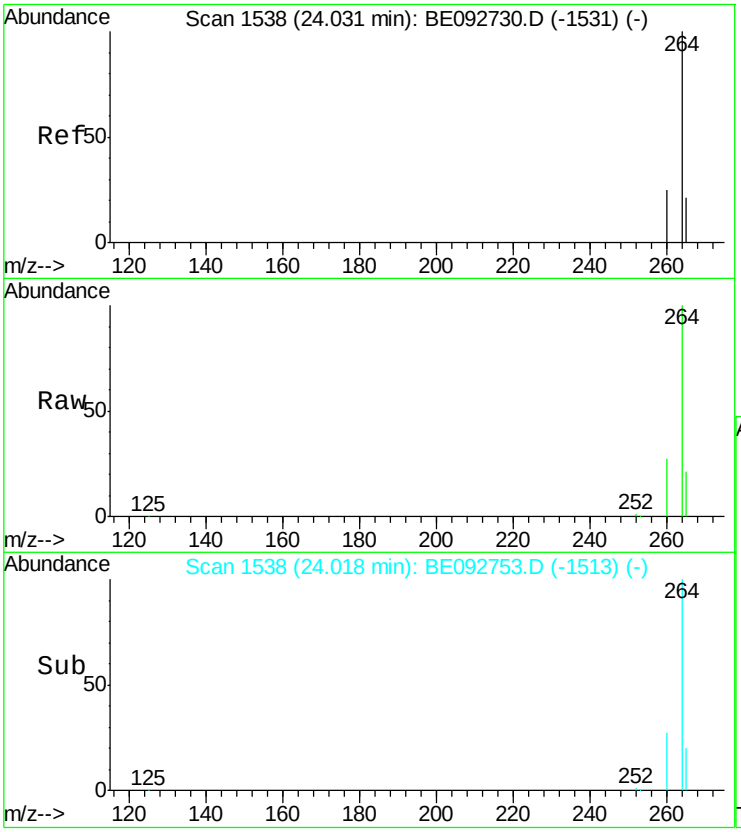


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.44 ng
RT: 26.48 min Scan# 1709
Delta R.T. -0.02 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:276 Resp: 47704

Ion	Ratio	Lower	Upper
276	100		
138	28.5	20.3	30.5
277	24.6	19.7	29.5

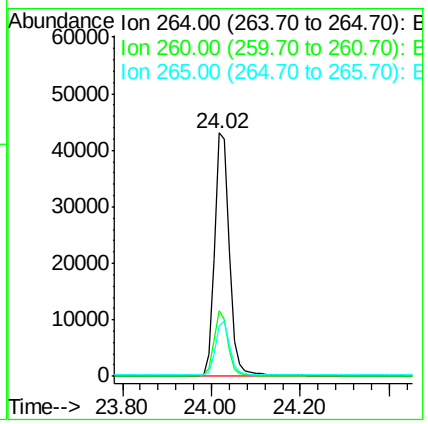




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.02 min Scan# 1538
Delta R.T. -0.01 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:264 Resp: 100538

Ion	Ratio	Lower	Upper
264	100		
260	26.8	20.1	30.1
265	20.7	17.9	26.9



Instrument :
BNA_E
ClientSampleId :
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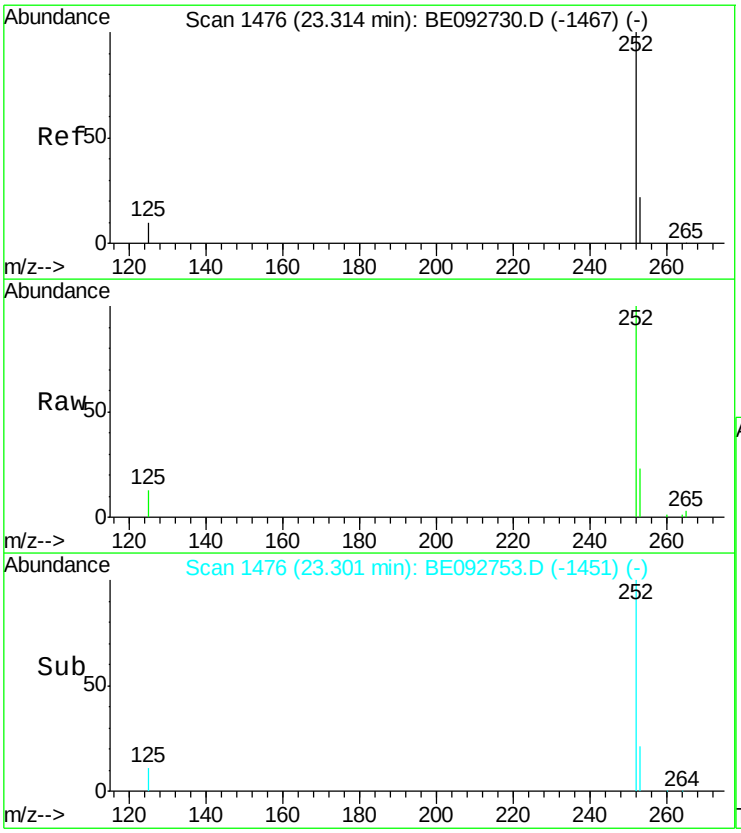
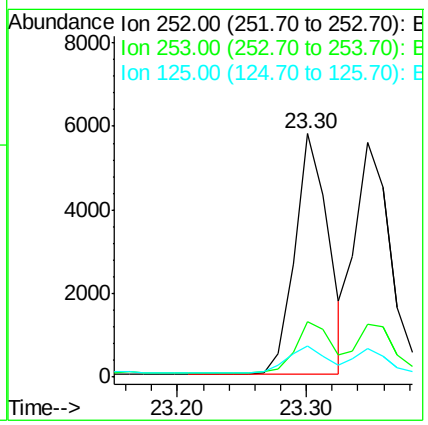
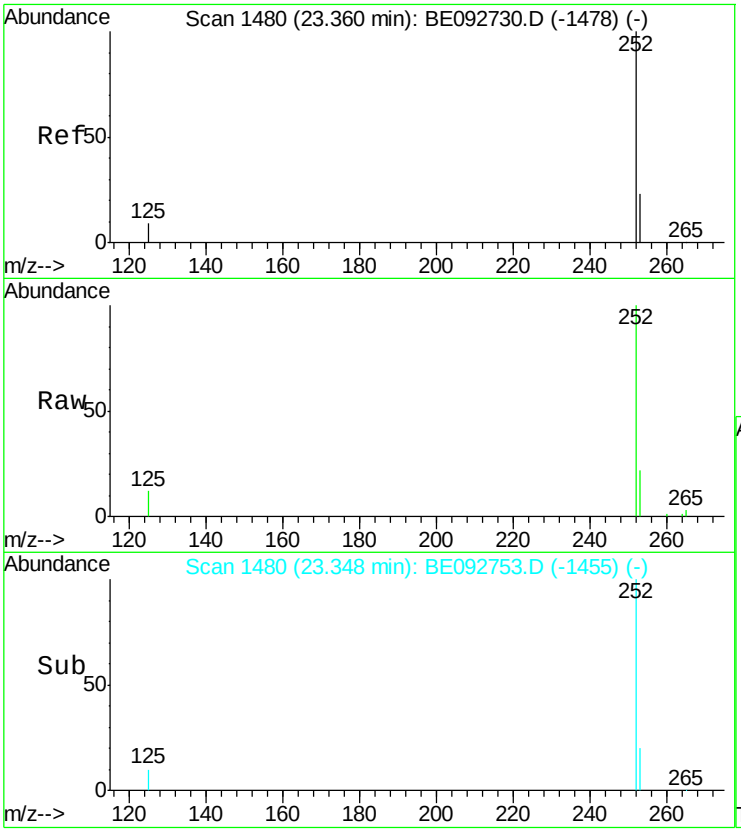


#32
Benzo(b)fluoranthene
Concen: 0.42 ng
RT: 23.30 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:252 Resp: 10373

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.7	28.1
125	12.6	10.5	15.7





#33
Benzo(k)fluoranthene
Concen: 0.40 ng
RT: 23.35 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:252 Resp: 11098

Ion	Ratio	Lower	Upper
252	100		
253	22.3	20.3	30.5
125	12.3	9.6	14.4

Instrument :
BNA_E
ClientSampleId :
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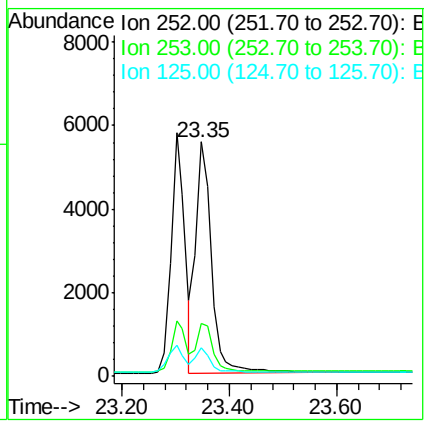
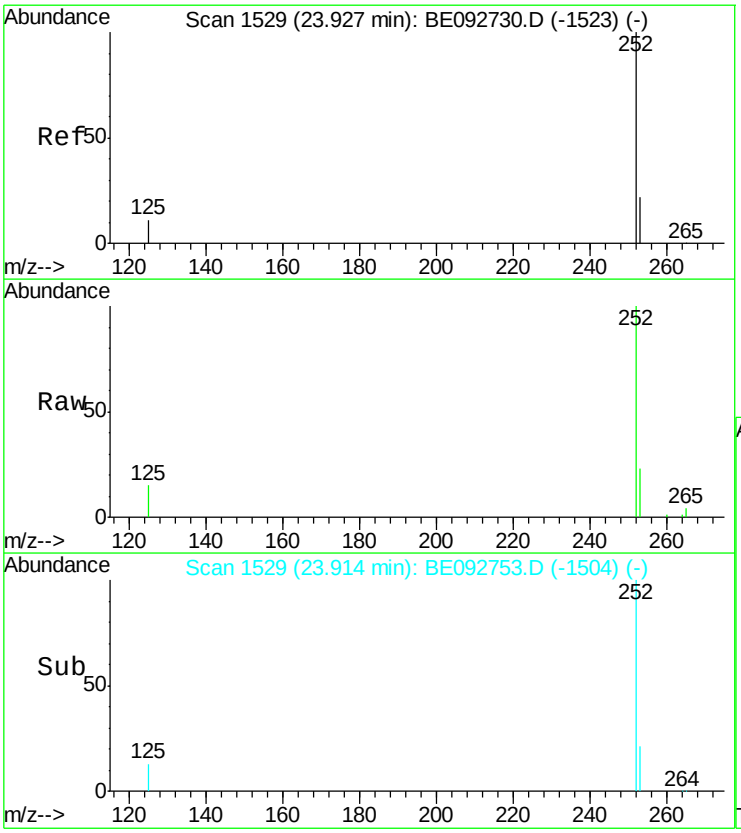
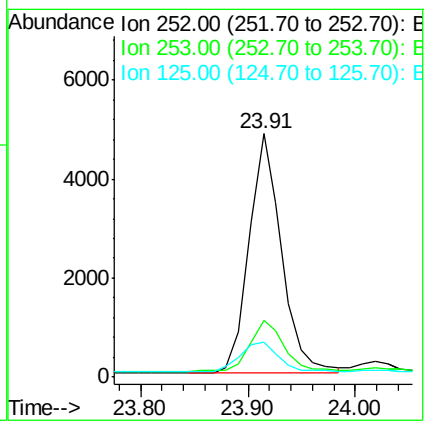


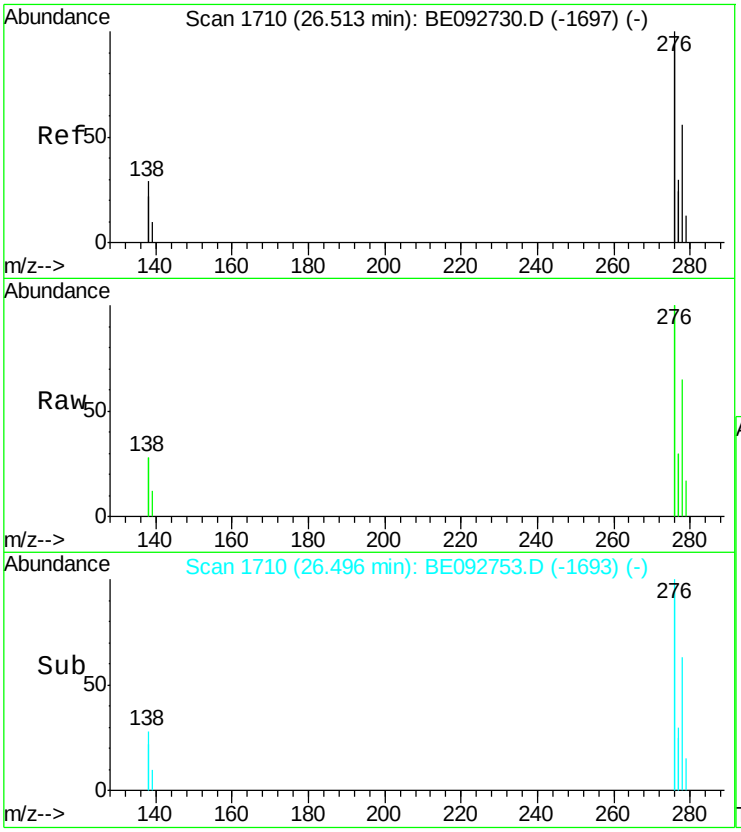


#34
Benzo(a)pyrene
Concen: 0.39 ng
RT: 23.91 min Scan# 1529
Delta R.T. -0.01 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:252 Resp: 10074

Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.0	28.6
125	14.6	11.8	17.8

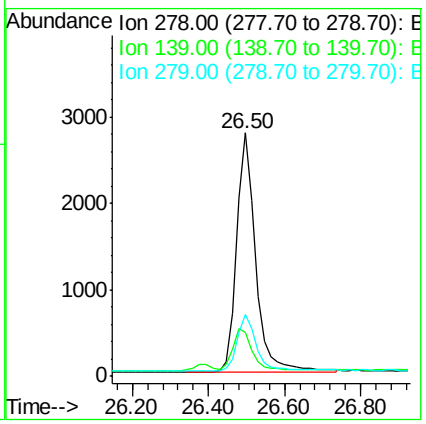




#35
Dibenzo(a,h)anthracene
Concen: 0.39 ng
RT: 26.50 min Scan# 1710
Delta R.T. -0.02 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:278 Resp: 9705

Ion	Ratio	Lower	Upper
278	100		
139	17.8	13.8	20.8
279	25.6	21.4	32.2



Instrument :
BNA_E
ClientSampleId :
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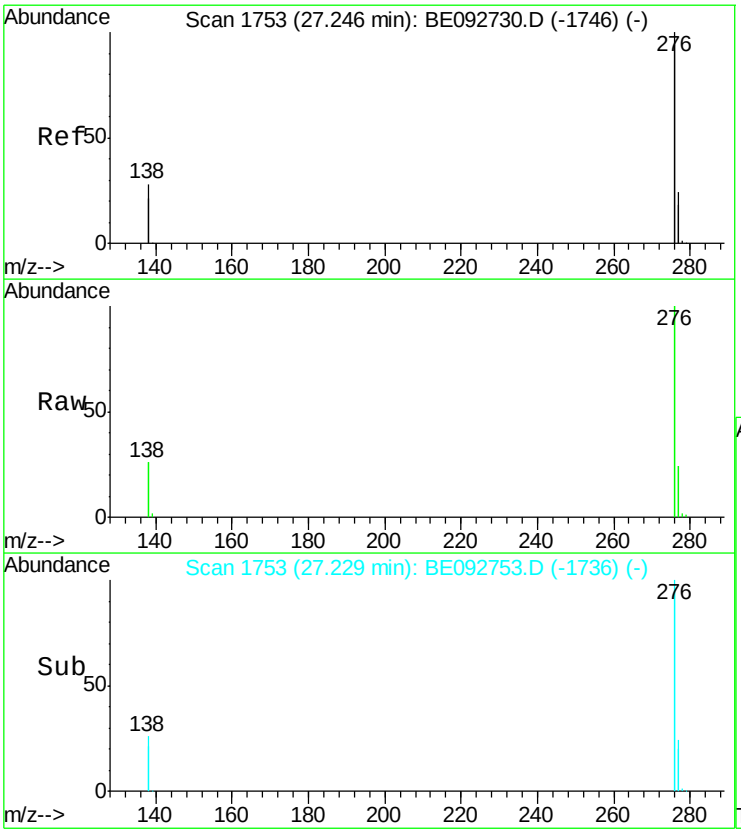

#36
Benzo(g,h,i)perylene
Concen: 0.38 ng
RT: 27.23 min Scan# 1753
Delta R.T. -0.02 min
Lab File: BE092753.D
Acq: 20 Feb 2017 22:52

Tgt Ion:276 Resp: 40080

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.8	29.8
138	25.6	19.8	29.6