Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE030617\
Data File : BE092788.D
Acq On : 6 Mar 2017 15:15
Operator : SJ/MA
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE030617

Manual Integrations APPROVED
mohammad
3/7/2017 4:22:55 PM

Quant Time: Mar 06 15:50:47 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE030617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 06 15:46:01 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	11385	5.00	ng		-0.02
7) Naphthalene-d8	10.87	136	50513	5.00	ng		-0.02
12) Acenaphthene-d10	14.75	164	34561	5.00	ng		-0.02
18) Phenanthrene-d10	17.51	188	74354	5.00	ng		0.00
24) Chrysene-d12	21.68	240	101834	5.00	ng		-0.02
31) Perylene-d12	24.01	264	84601	5.00	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.61	112	876	0.36	ng		-0.02
5) Phenol-d6	7.29	99	1003	0.35	ng		-0.02
8) Nitrobenzene-d5	9.29	82	1184	0.38	ng		-0.02
13) 2,4,6-Tribromophenol	16.26	330	332	0.37	ng		-0.02
14) 2-Fluorobiphenyl	13.38	172	3196	0.39	ng		-0.02
26) Terphenyl-d14	20.12	244	4737	0.39	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.33	88	694	0.41	ng		94
3) n-Nitrosodimethylamine	3.70	42	760	0.40	ng		99
6) bis(2-Chloroethyl)ether	7.52	93	1213	0.39	ng		88
9) Naphthalene	10.93	128	4463	0.41	ng		99
10) Hexachlorobutadiene	11.20	225	672	0.43	ng		99
11) 2-Methylnaphthalene	12.58	142	2803	0.40	ng		93
15) Acenaphthylene	14.46	152	20180	0.38	ng		99
16) Acenaphthene	14.82	154	2955	0.40	ng		84
17) Fluorene	15.81	166	4017	0.40	ng		99
19) Hexachlorobenzene	16.82	284	1193	0.39	ng		95
20) Pentachlorophenol	17.19	266	305	0.36	ng		93
21) Phenanthrene	17.56	178	6900	0.39	ng	#	74
22) Anthracene	17.65	178	6799	0.38	ng		99
23) Fluoranthene	19.54	202	33928	0.39	ng		100
25) Pyrene	19.92	202	35568	0.39	ng		100
27) Benzo(a)anthracene	21.66	228	38407m	0.42	ng		
28) Chrysene	21.70	228	40744m	0.44	ng		
29) Bis(2-ethylhexyl)phthalate	21.59	149	2750m	0.33	ng		
30) Indeno(1,2,3-cd)pyrene	26.46	276	37070	0.37	ng		98
32) Benzo(b)fluoranthene	23.29	252	8878	0.39	ng		99
33) Benzo(k)fluoranthene	23.34	252	9438	0.42	ng		97
34) Benzo(a)pyrene	23.90	252	8070	0.39	ng		98
35) Dibenzo(a,h)anthracene	26.50	278	7611	0.39	ng		98
36) Benzo(g,h,i)perylene	27.21	276	33189	0.40	ng		98

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

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Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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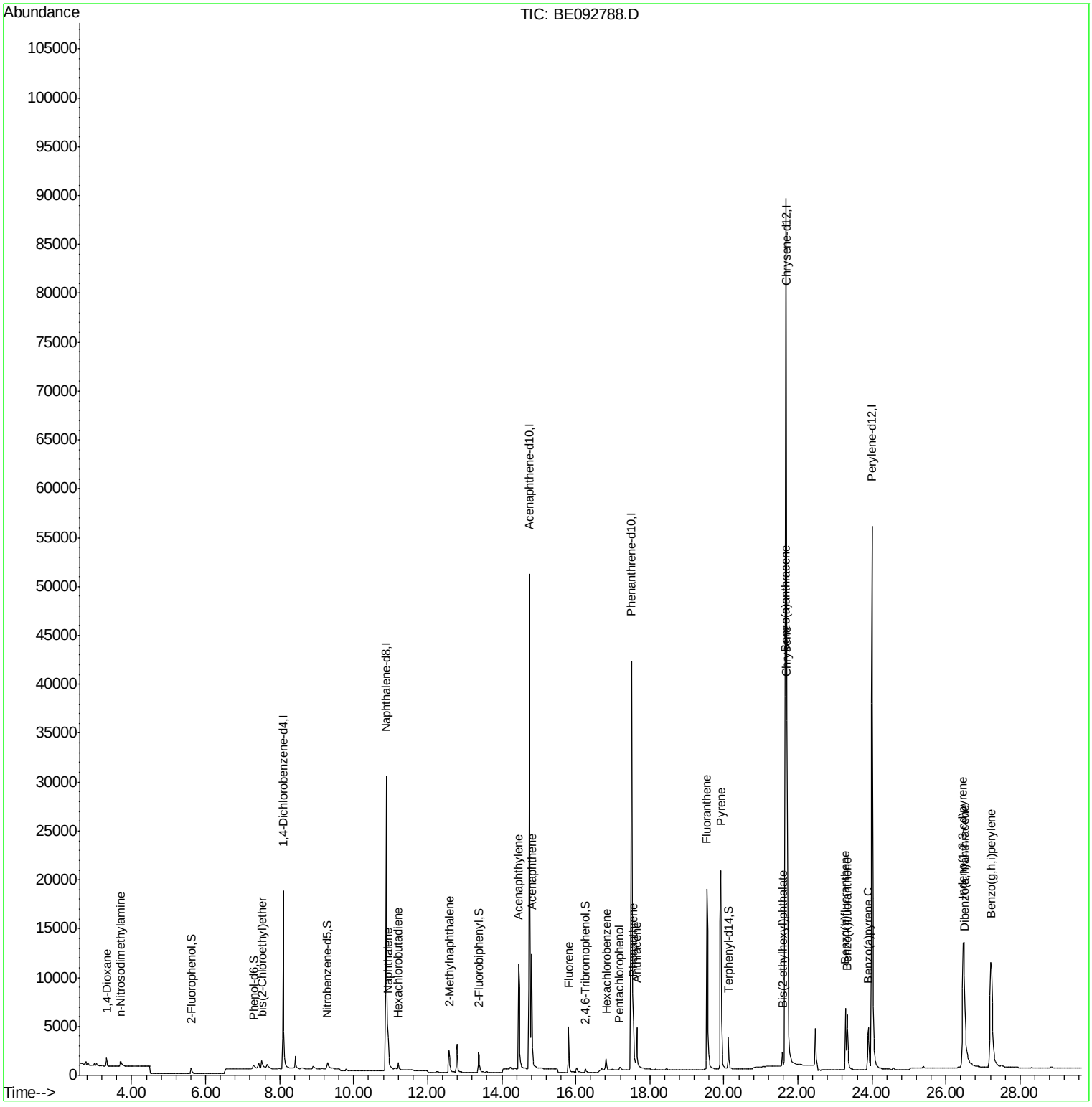
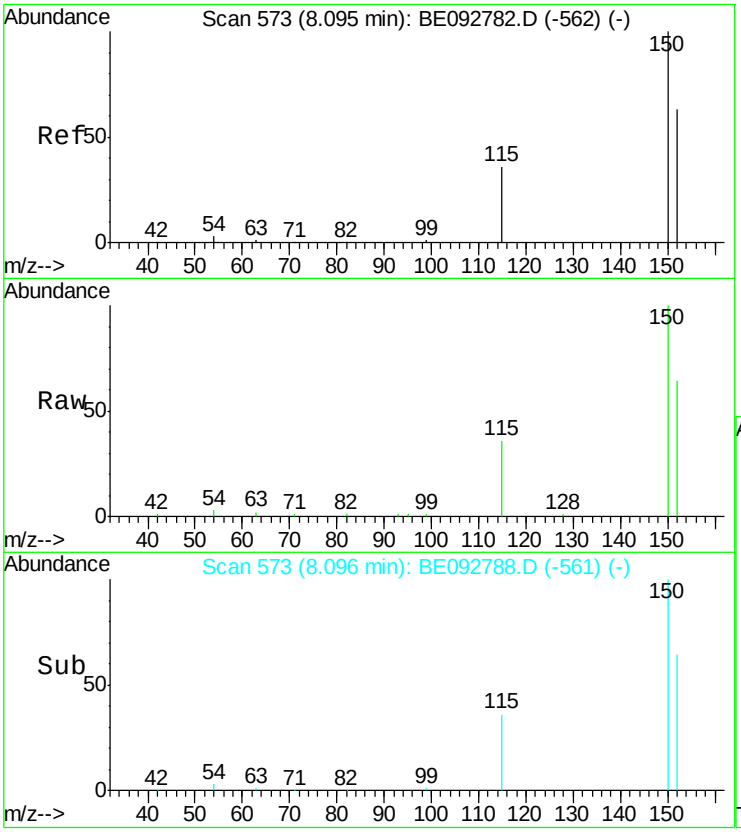
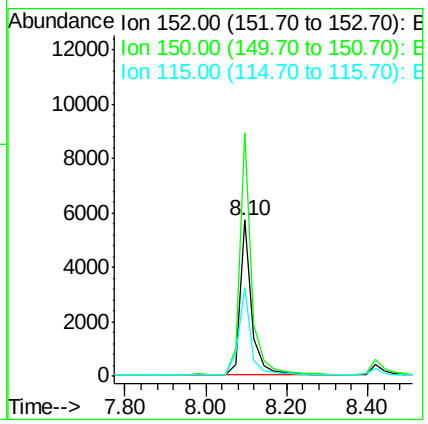




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.10 min Scan# 573
Delta R.T. -0.02 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:152 Resp: 11385

Ion	Ratio	Lower	Upper
152	100		
150	155.8	106.0	159.0
115	56.7	31.2	46.8#



Instrument :
BNA_E
ClientSampleId :
ICVBE030617

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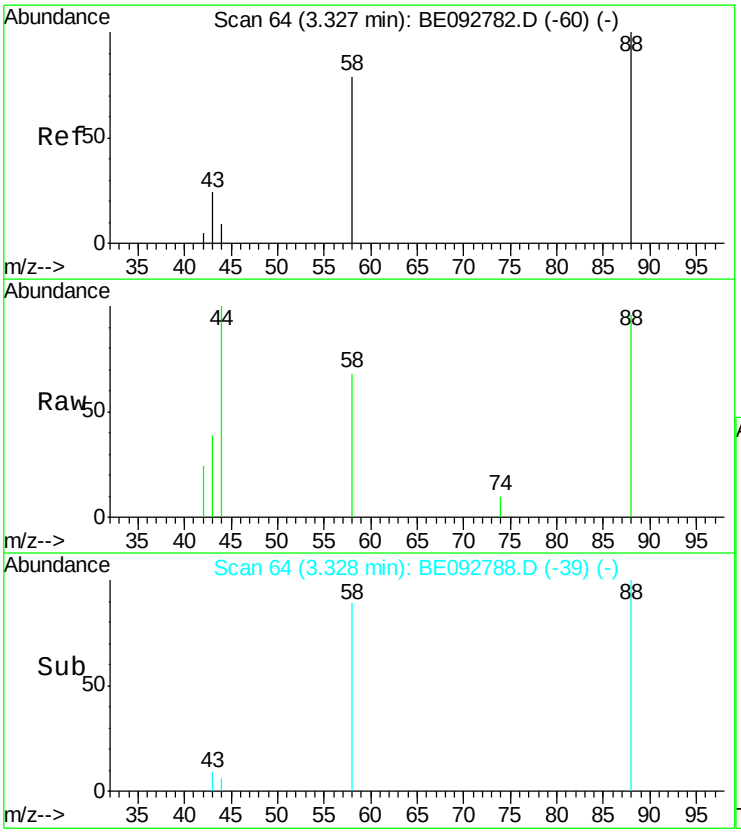
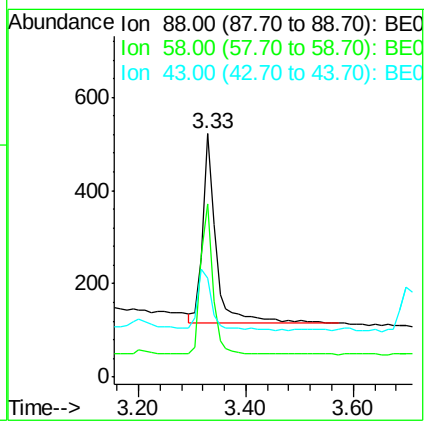
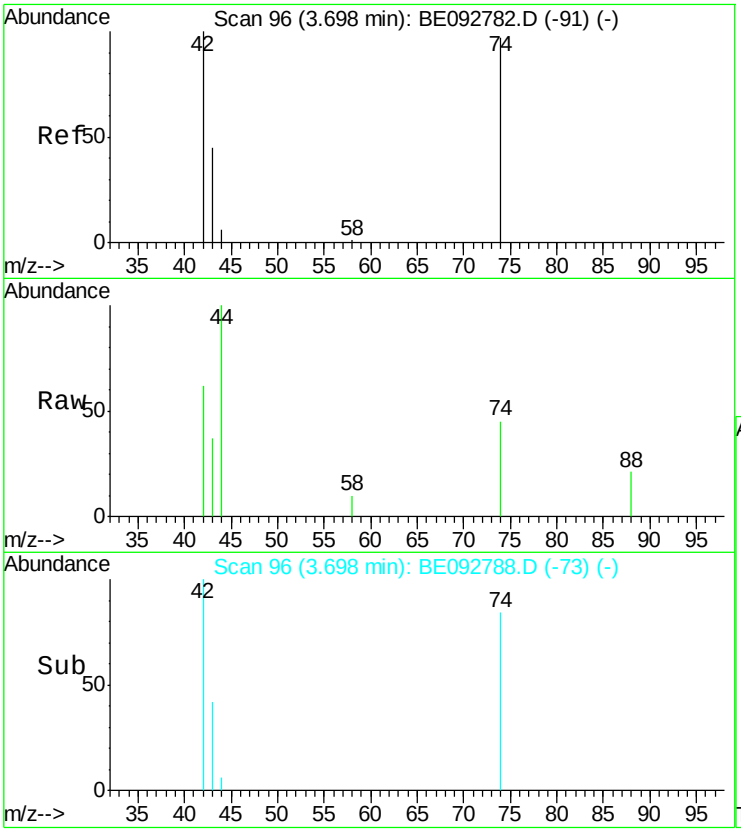


#2
1,4-Dioxane
Concen: 0.41 ng
RT: 3.33 min Scan# 64
Delta R.T. -0.01 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion: 88 Resp: 694

Ion	Ratio	Lower	Upper
88	100		
58	72.0	63.6	95.4
43	34.1	28.0	42.0

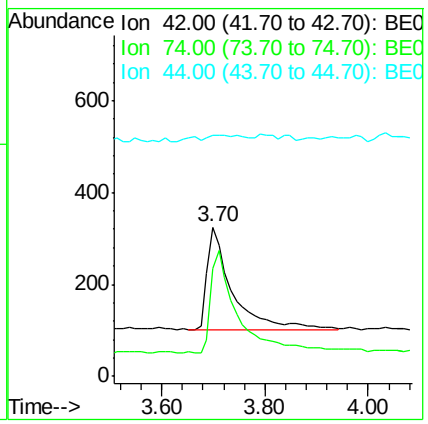




#3
n-Nitrosodimethylamine
Concen: 0.40 ng
RT: 3.70 min Scan# 96
Delta R.T. -0.03 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion: 42 Resp: 760

Ion	Ratio	Lower	Upper
42	100		
74	108.6	86.0	129.0
44	6.6	5.1	7.7



Instrument :
BNA_E
ClientSampleId :
ICVBE030617

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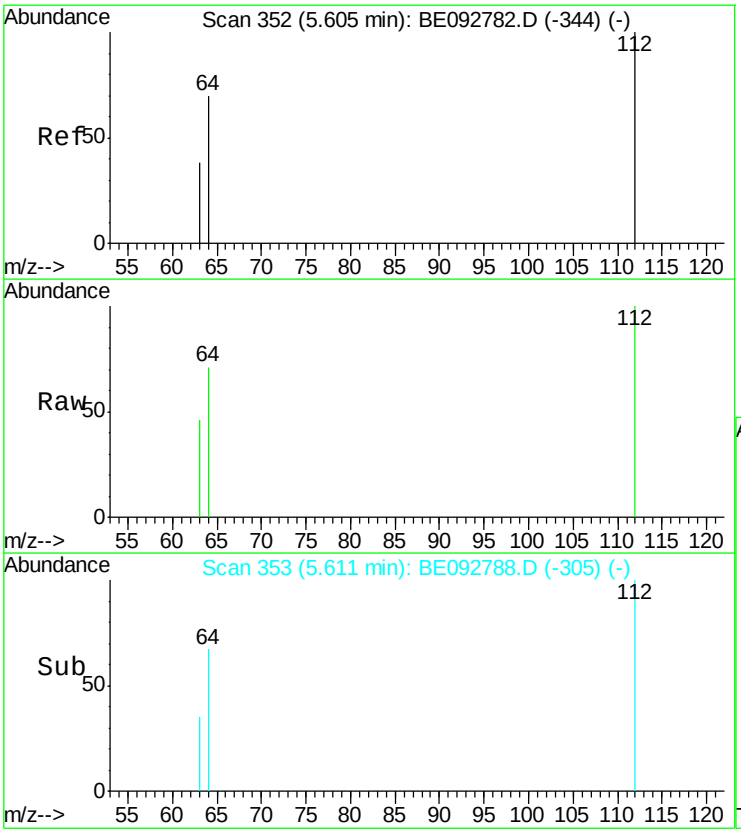
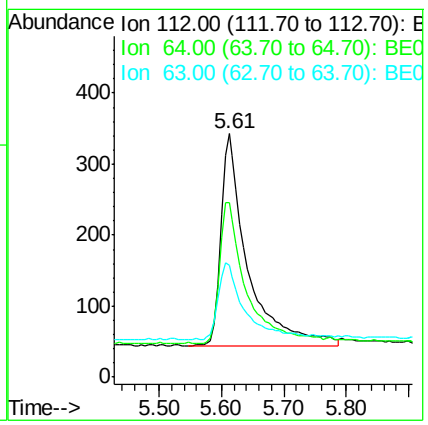
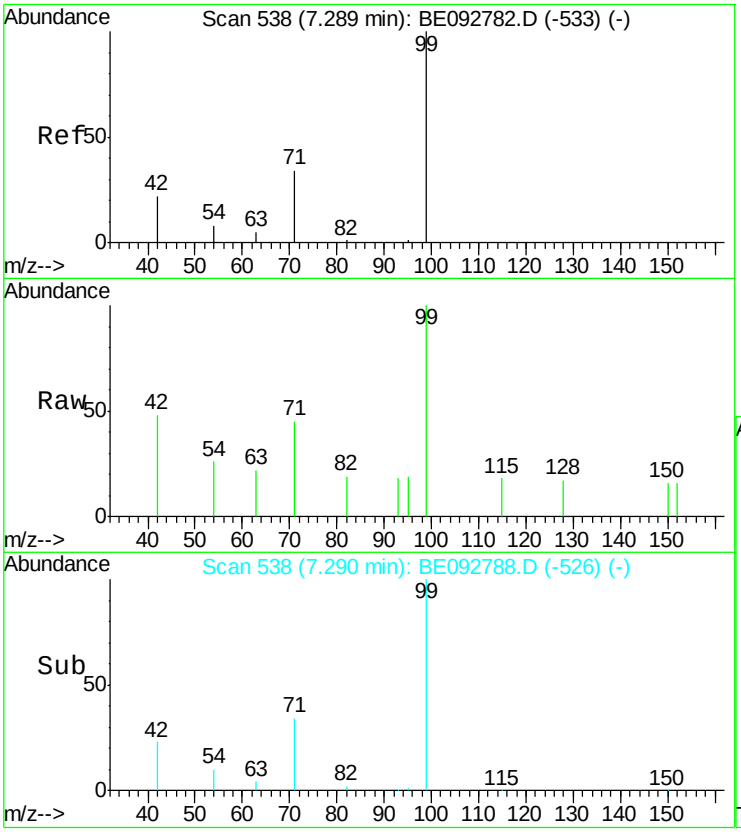


#4
2-Fluorophenol
Concen: 0.36 ng
RT: 5.61 min Scan# 353
Delta R.T. -0.02 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:112 Resp: 876

Ion	Ratio	Lower	Upper
112	100		
64	67.6	53.5	80.3
63	36.6	27.9	41.9





#5
Phenol-d6
Concen: 0.35 ng
RT: 7.29 min Scan# 538
Delta R.T. -0.02 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion: 99 Resp: 1003

Ion	Ratio	Lower	Upper
99	100		
42	26.8	16.0	24.0#
71	35.3	30.6	45.8

Instrument :
BNA_E
ClientSampleId :
ICVBE030617

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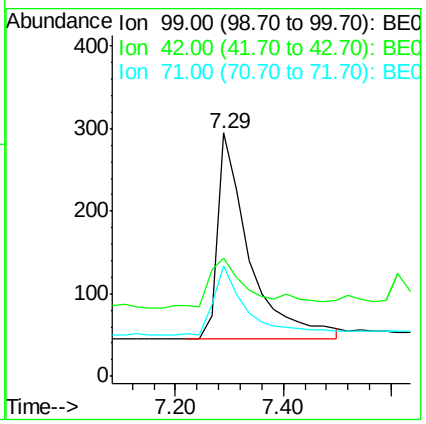
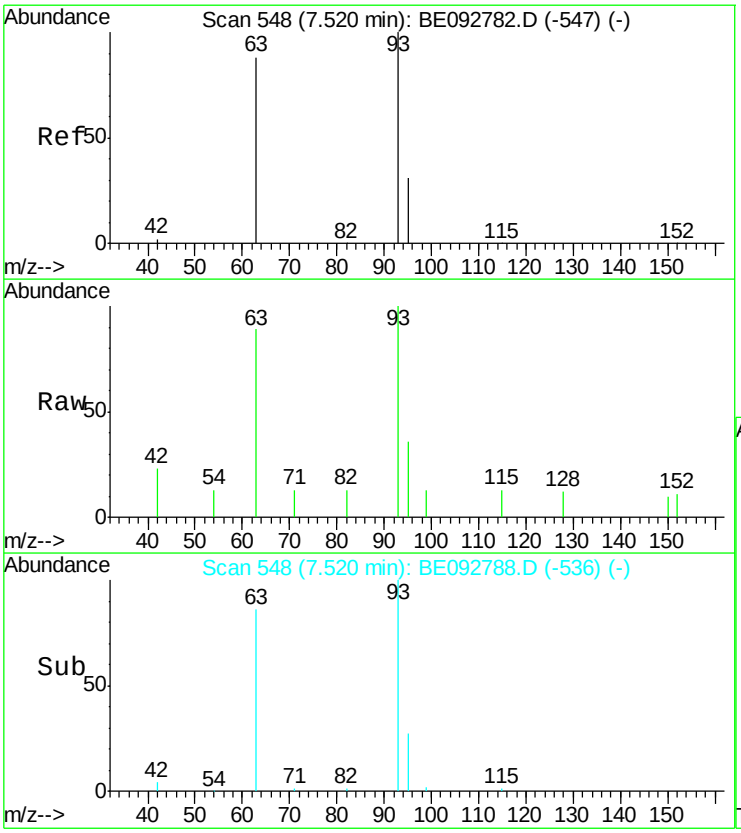
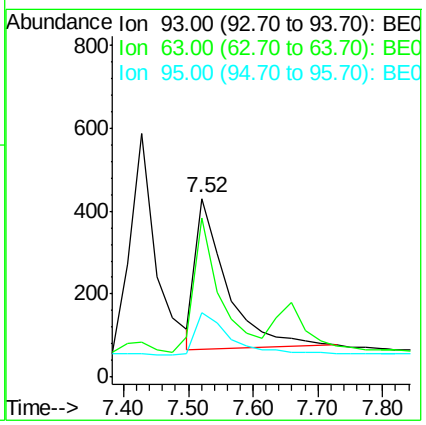


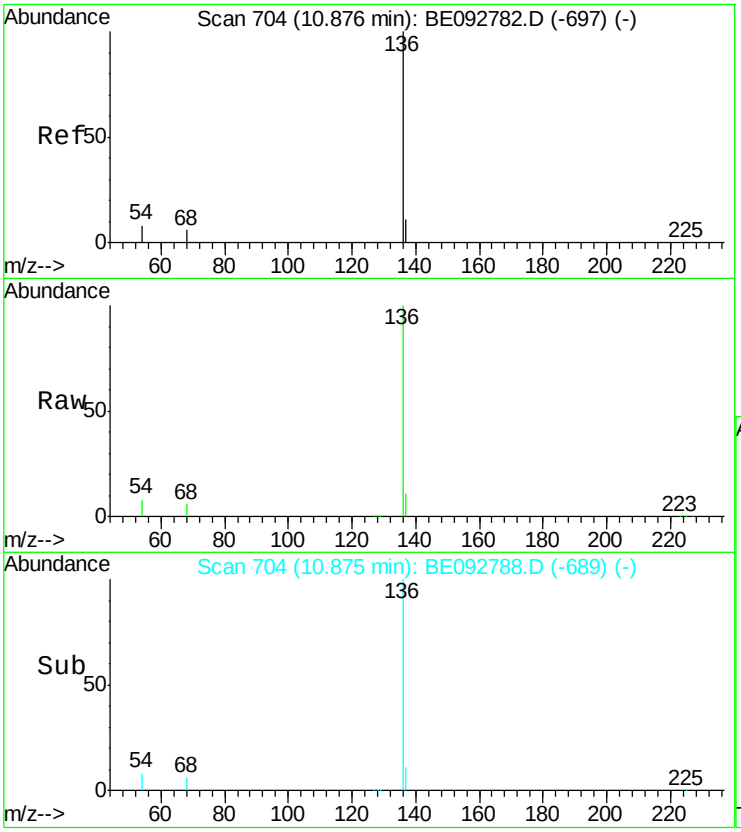


#6
bis(2-Chloroethyl)ether
Concen: 0.39 ng
RT: 7.52 min Scan# 548
Delta R.T. -0.02 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion: 93 Resp: 1213

Ion	Ratio	Lower	Upper
93	100		
63	75.4	71.6	107.4
95	31.8	24.0	36.0

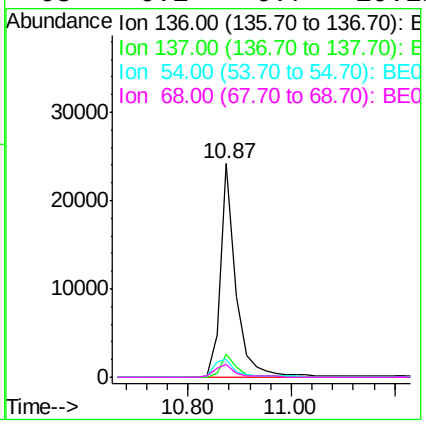




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.87 min Scan# 704
Delta R.T. -0.02 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:136 Resp: 50513

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.2	12.4
54	8.4	9.6	14.4#
68	6.1	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
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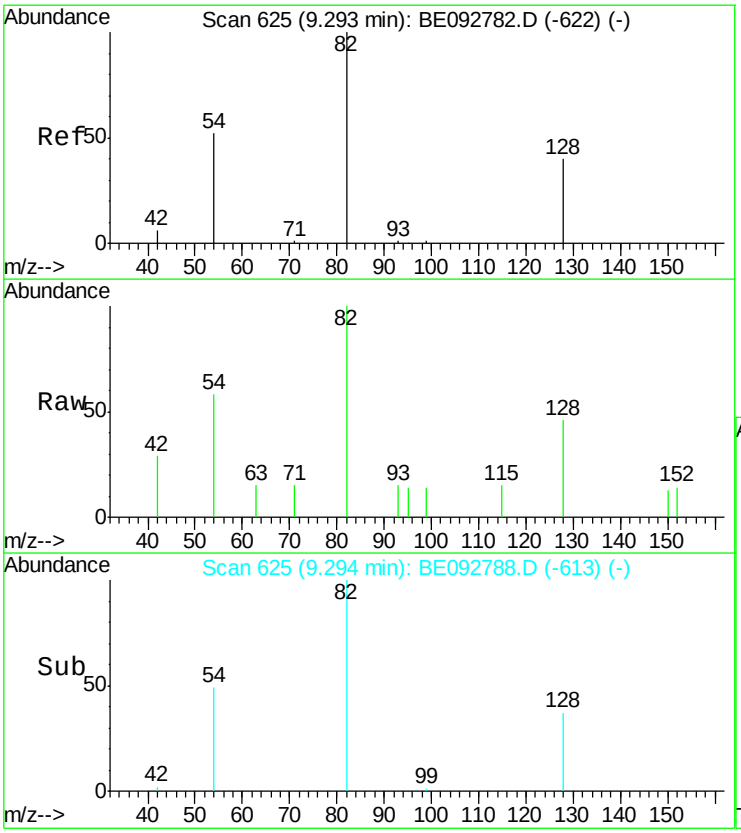
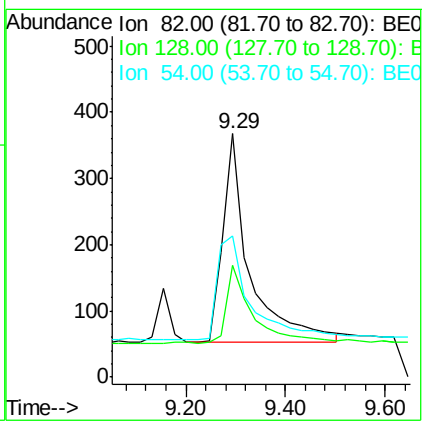
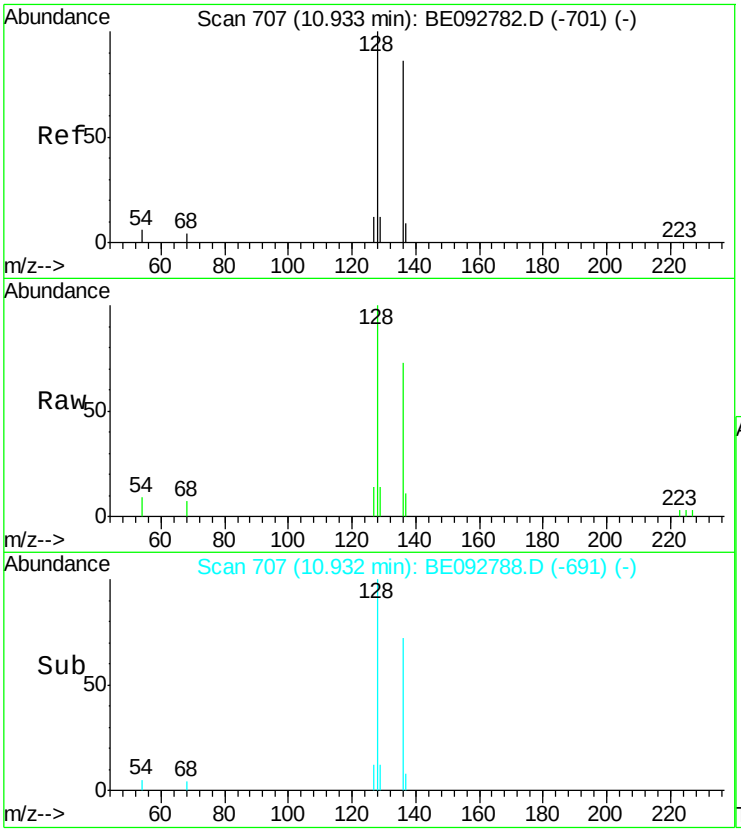


#8
Nitrobenzene-d5
Concen: 0.38 ng
RT: 9.29 min Scan# 625
Delta R.T. -0.02 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion: 82 Resp: 1184

Ion	Ratio	Lower	Upper
82	100		
128	45.7	39.0	58.4
54	57.9	44.8	67.2

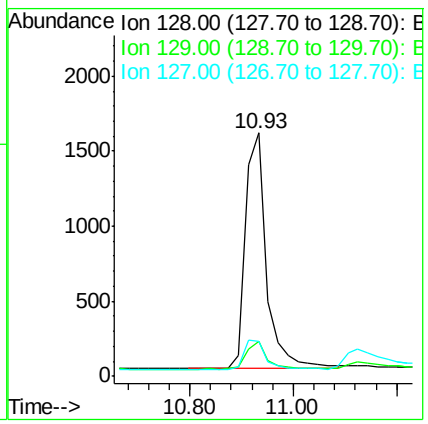




#9
Naphthalene
Concen: 0.41 ng
RT: 10.93 min Scan# 707
Delta R.T. -0.00 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:128 Resp: 4463

Ion	Ratio	Lower	Upper
128	100		
129	14.2	11.2	16.8
127	14.2	11.6	17.4



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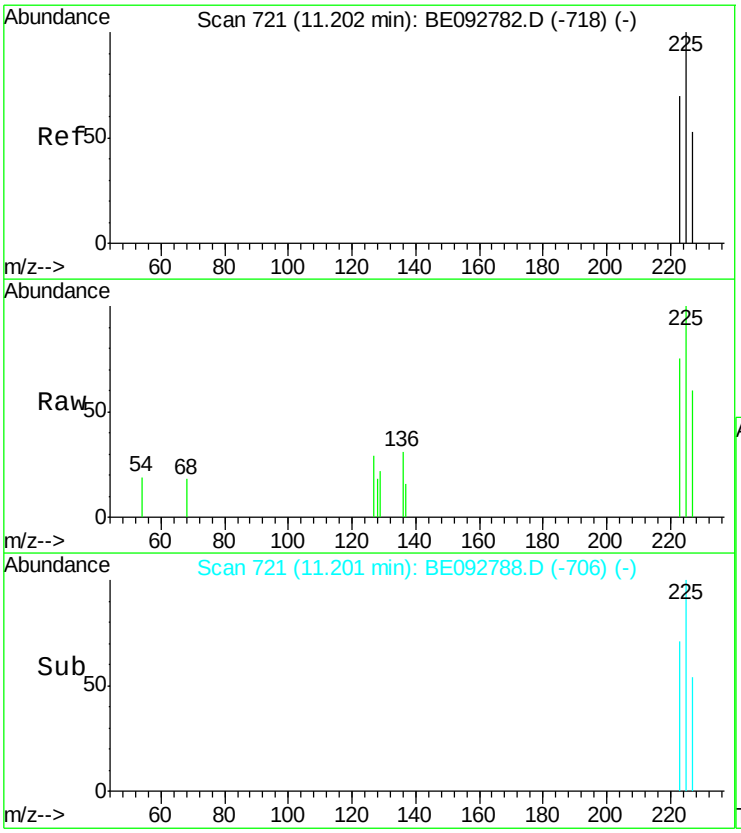
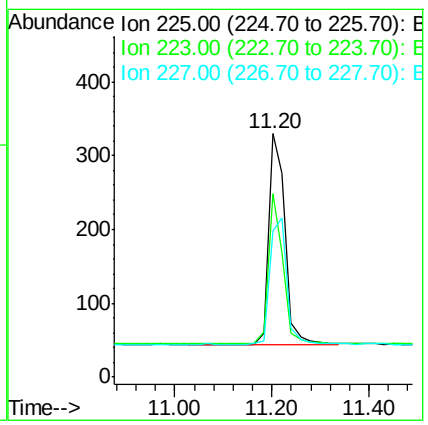
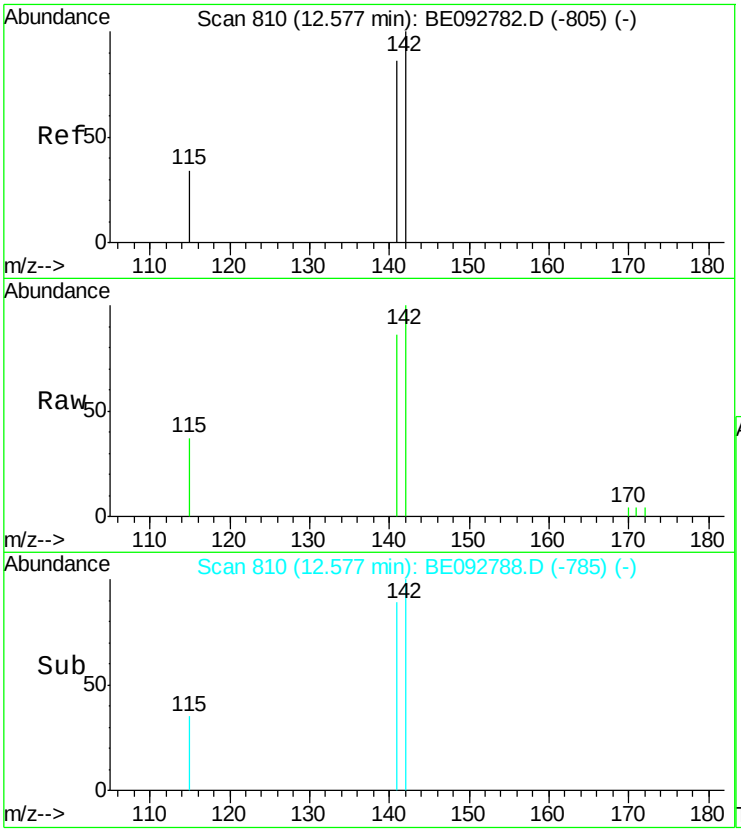


#10
Hexachlorobutadiene
Concen: 0.43 ng
RT: 11.20 min Scan# 721
Delta R.T. -0.02 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:225 Resp: 672

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.6	76.0
227	63.2	51.4	77.0

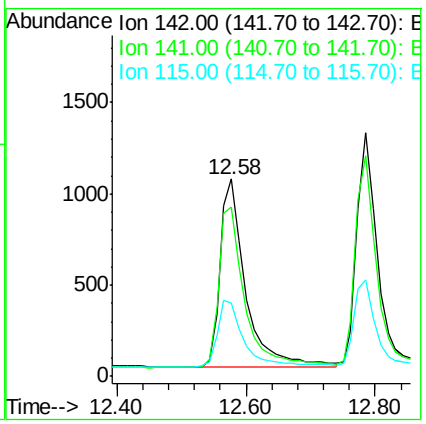




#11
2-Methylnaphthalene
Concen: 0.40 ng
RT: 12.58 min Scan# 810
Delta R.T. -0.01 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:142 Resp: 2803

Ion	Ratio	Lower	Upper
142	100		
141	85.8	73.7	110.5
115	37.0	34.0	51.0



Instrument :
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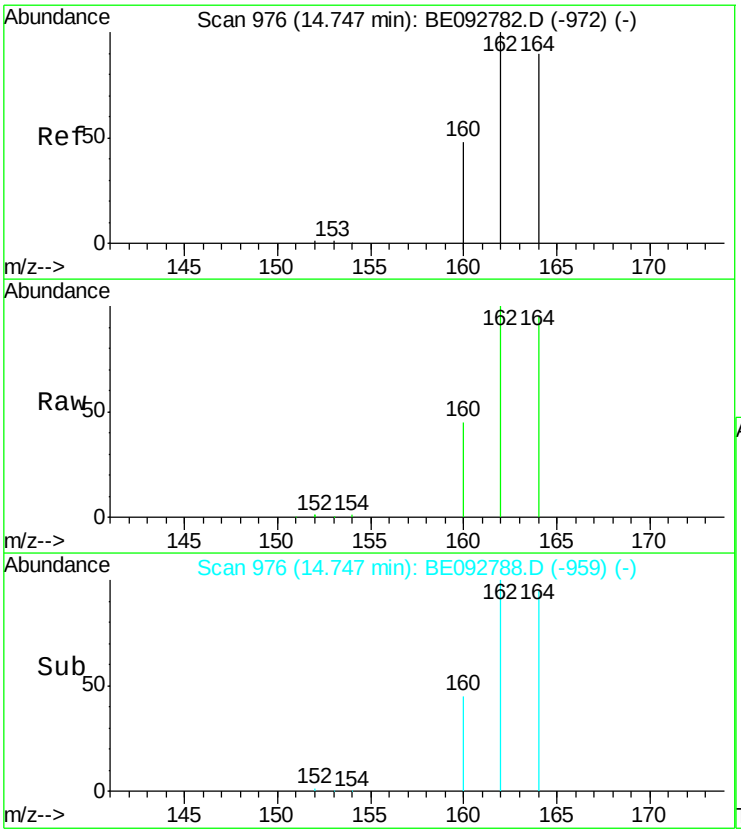
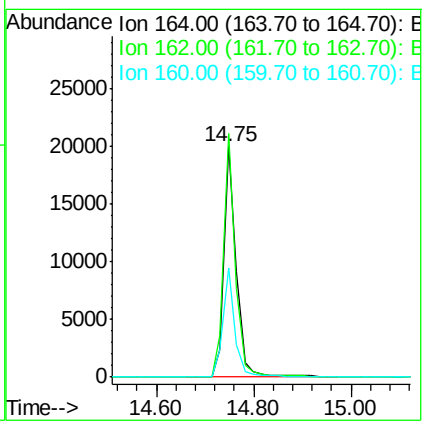
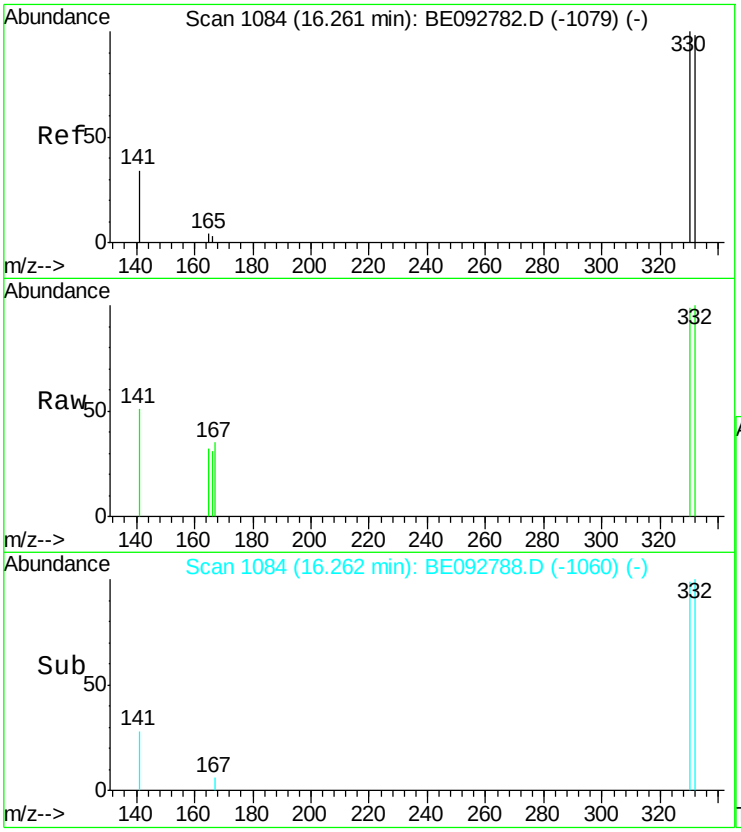


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.75 min Scan# 976
Delta R.T. -0.02 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:164 Resp: 34561

Ion	Ratio	Lower	Upper
164	100		
162	105.7	71.4	107.0
160	47.6	27.4	41.2#

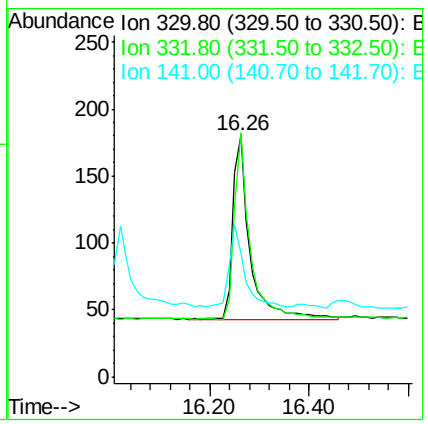




#13
2,4,6-Tribromophenol
Concen: 0.37 ng
RT: 16.26 min Scan# 1084
Delta R.T. -0.02 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:330 Resp: 332

Ion	Ratio	Lower	Upper
330	100		
332	93.4	75.4	113.0
141	39.2	31.0	46.6



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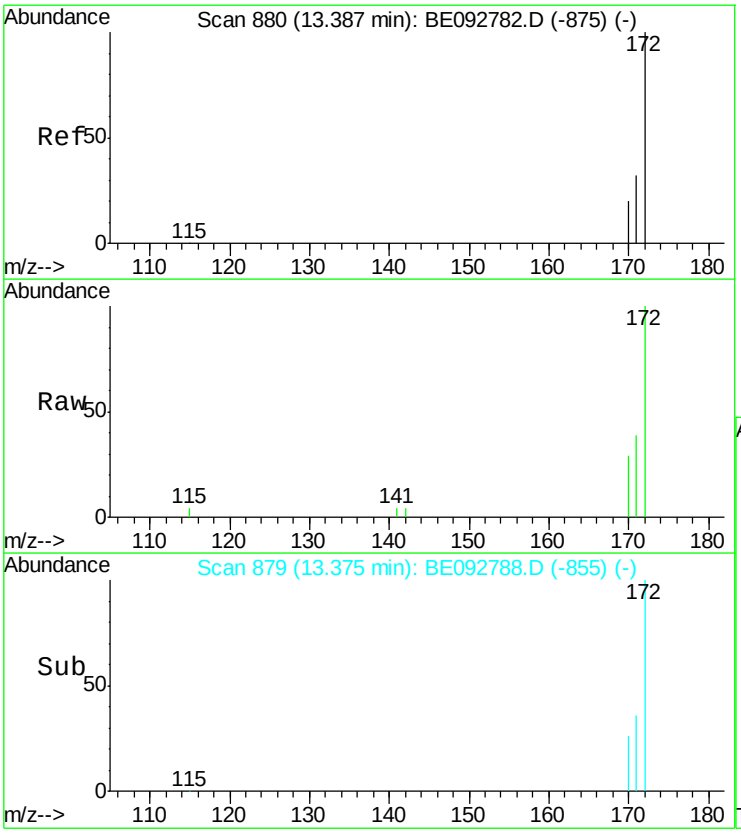
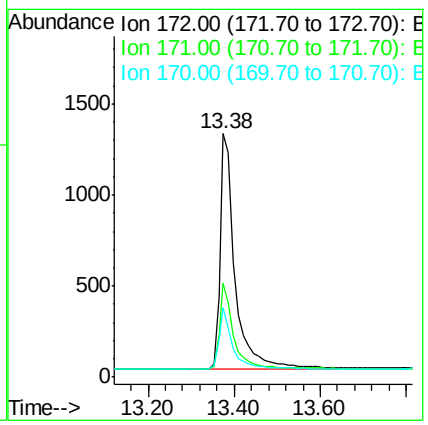
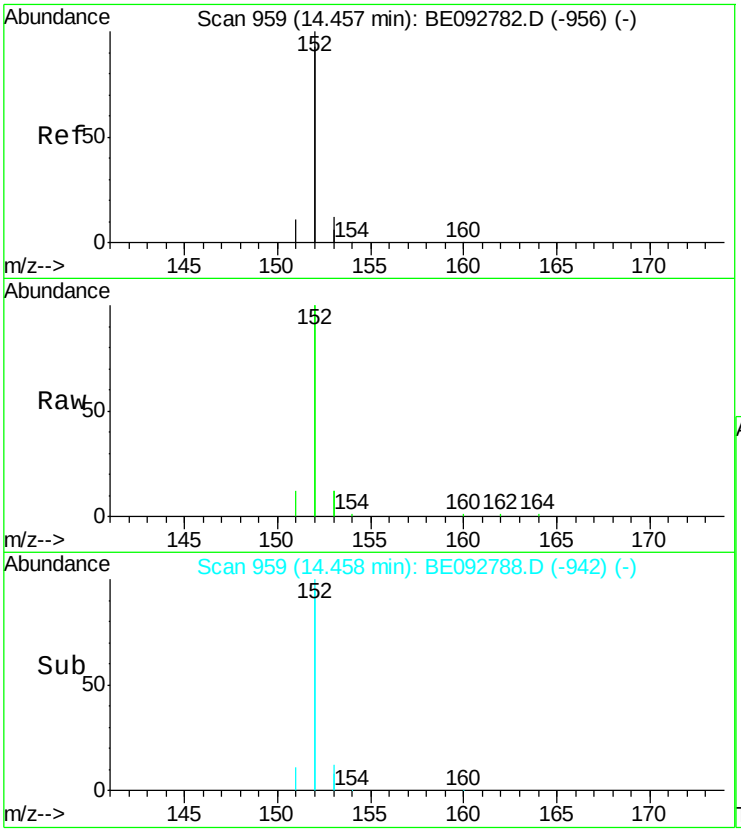


#14
2-Fluorobiphenyl
Concen: 0.39 ng
RT: 13.38 min Scan# 879
Delta R.T. -0.02 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:172 Resp: 3196

Ion	Ratio	Lower	Upper
172	100		
171	38.6	30.1	45.1
170	28.6	21.8	32.6

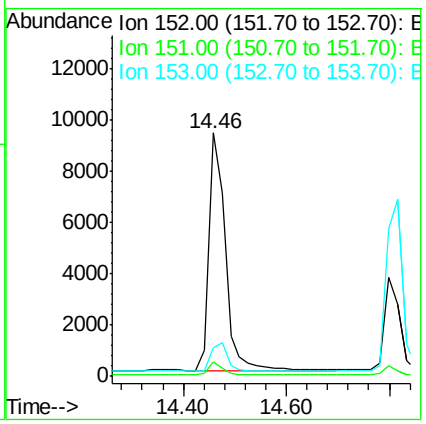




#15
Acenaphthylene
Concen: 0.38 ng
RT: 14.46 min Scan# 959
Delta R.T. -0.02 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:152 Resp: 20180

Ion	Ratio	Lower	Upper
152	100		
151	5.0	3.9	5.9
153	12.8	10.4	15.6



Instrument :
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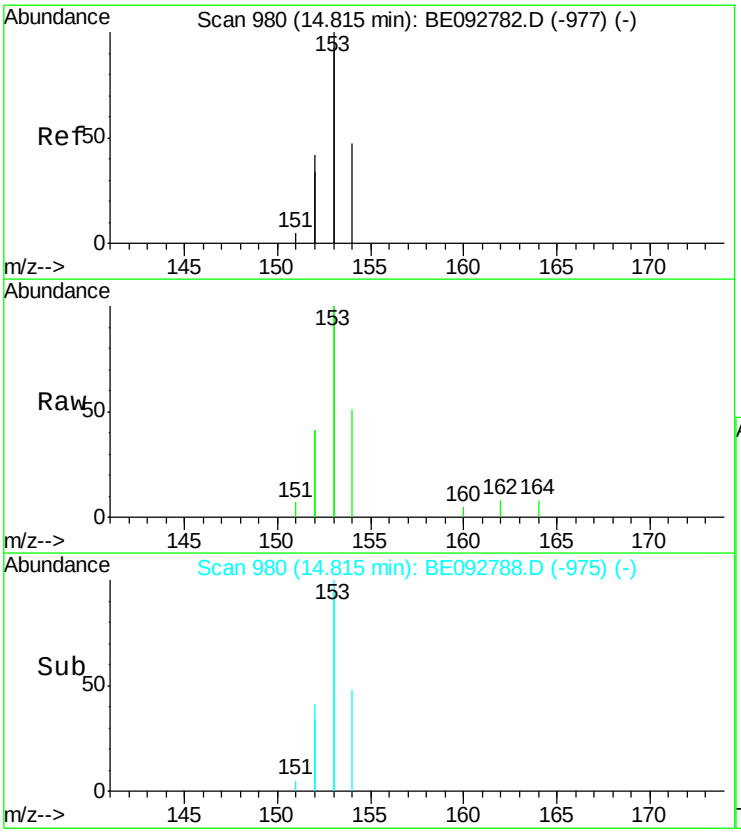
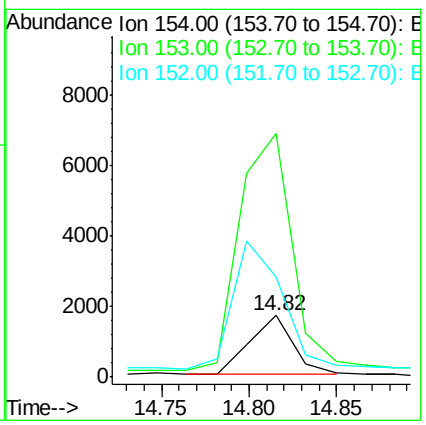
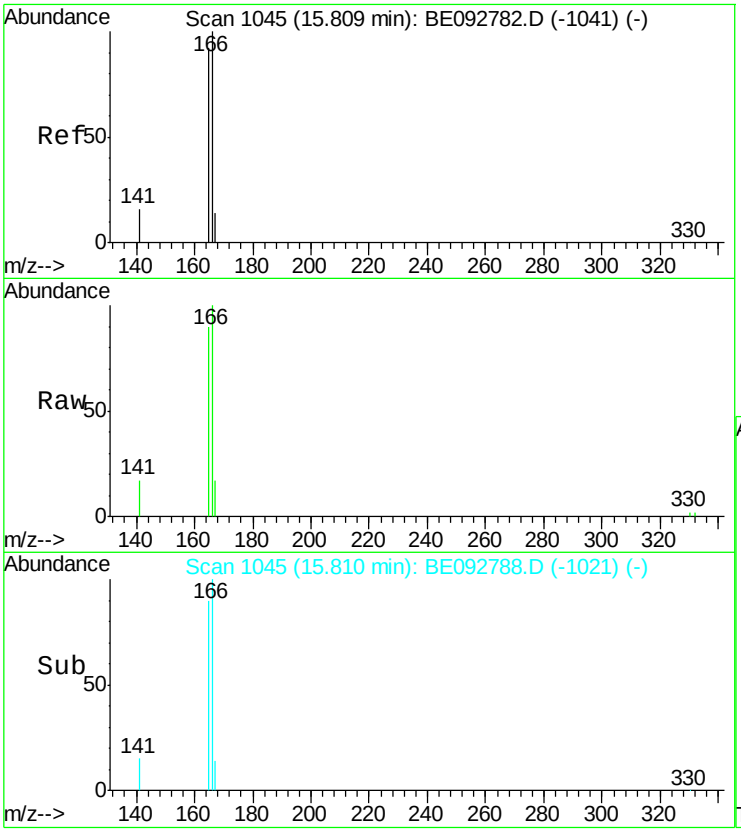


#16
Acenaphthene
Concen: 0.40 ng
RT: 14.82 min Scan# 980
Delta R.T. -0.02 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:154 Resp: 2955

Ion	Ratio	Lower	Upper
154	100		
153	476.8	350.8	526.2
152	240.2	171.1	256.7

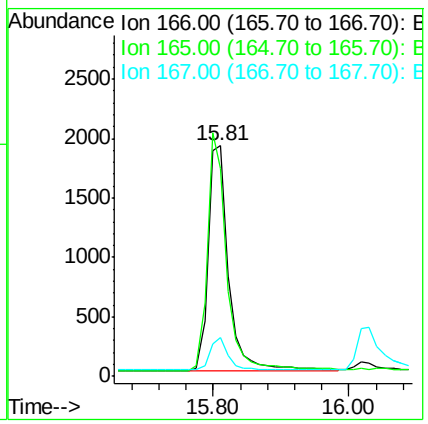




#17
Fluorene
Concen: 0.40 ng
RT: 15.81 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:166 Resp: 4017

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.2	117.4
167	13.1	11.0	16.4



Instrument :
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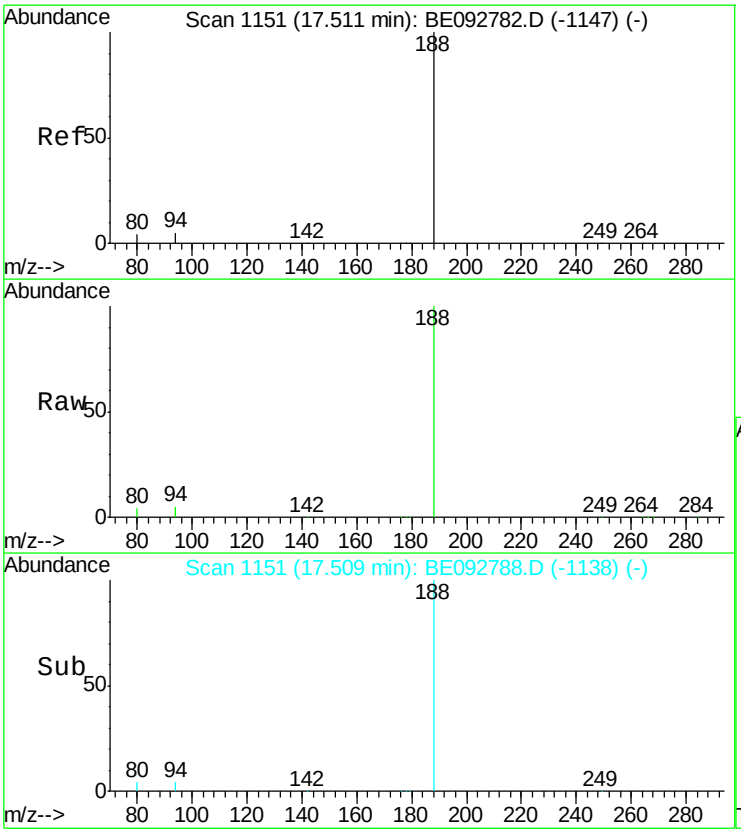
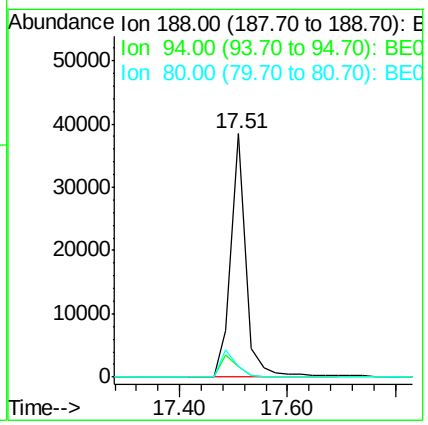
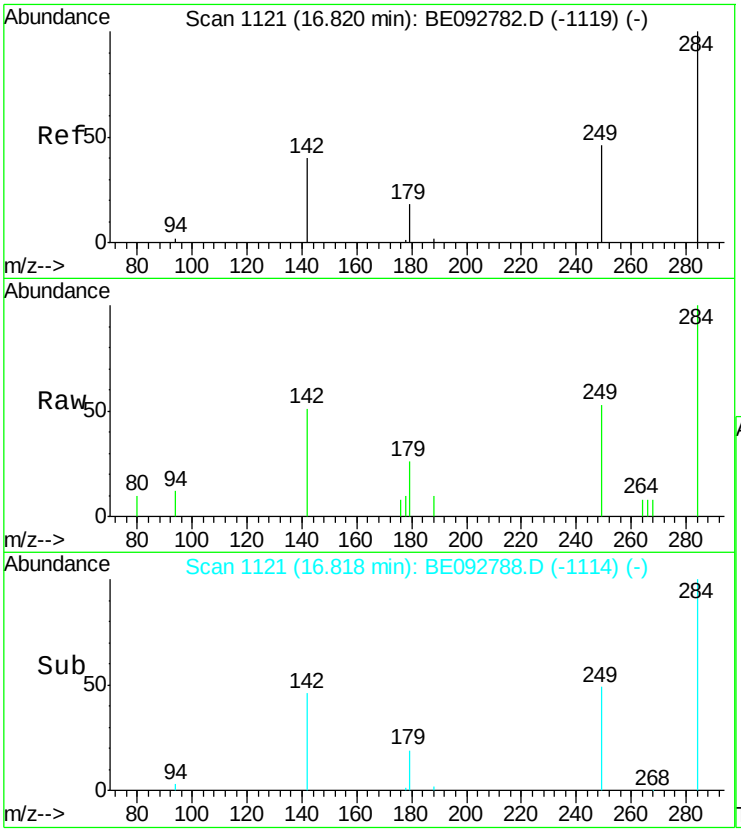


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.51 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:188 Resp: 74354

Ion	Ratio	Lower	Upper
188	100		
94	4.6	3.2	4.8
80	4.2	2.6	3.8#

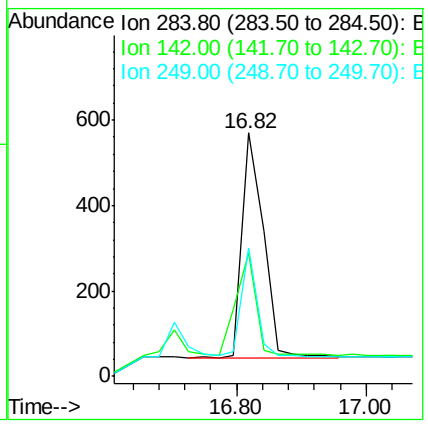




#19
Hexachlorobenzene
Concen: 0.39 ng
RT: 16.82 min Scan# 1121
Delta R.T. -0.02 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:284 Resp: 1193

Ion	Ratio	Lower	Upper
284	100		
142	42.1	29.1	43.7
249	34.5	27.9	41.9



Instrument :
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ClientSampleId :
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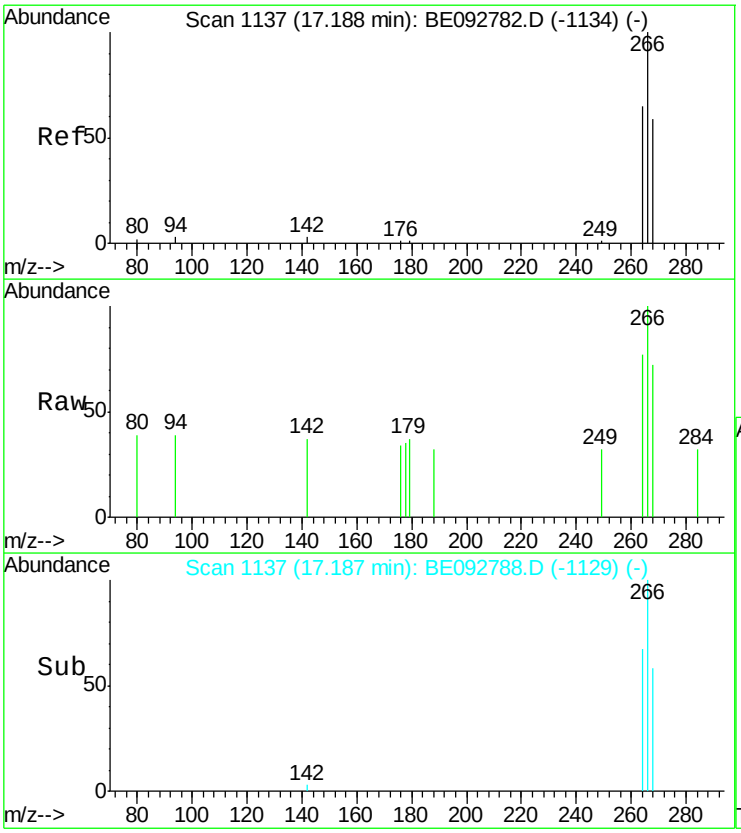
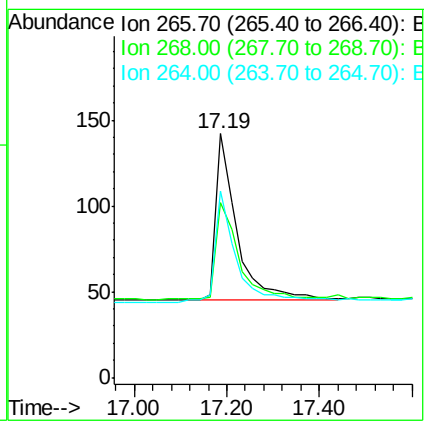
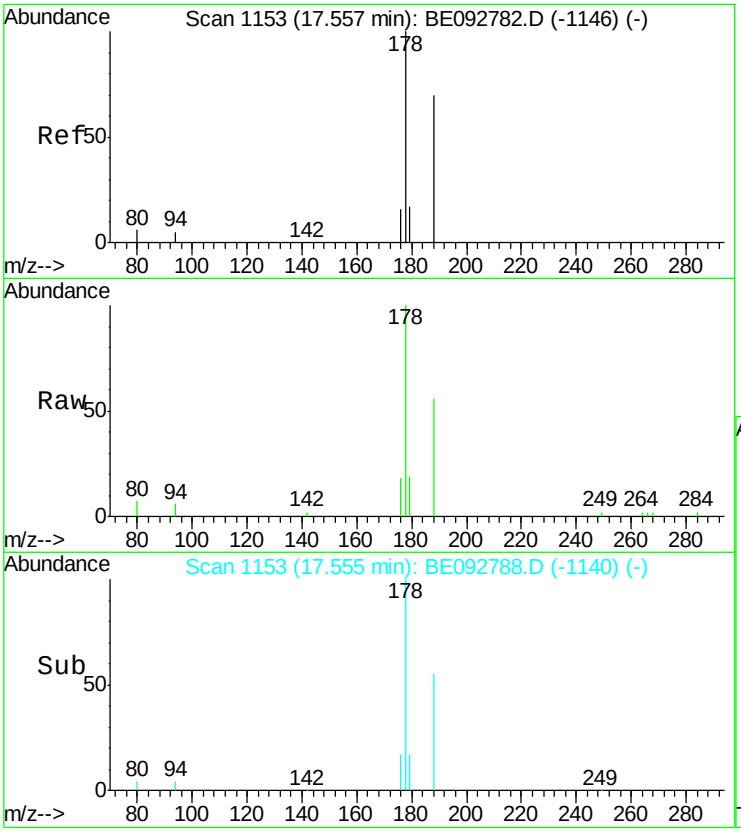


#20
Pentachlorophenol
Concen: 0.36 ng
RT: 17.19 min Scan# 1137
Delta R.T. -0.12 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:266 Resp: 305

Ion	Ratio	Lower	Upper
266	100		
268	71.8	62.5	93.7
264	76.8	57.2	85.8

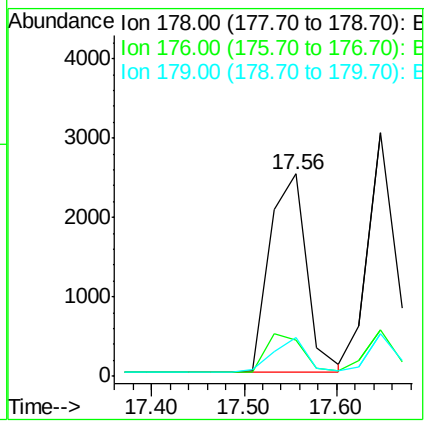




#21
Phenanthrene
Concen: 0.39 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:178 Resp: 6900

Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.8	23.8#
179	16.1	16.0	24.0



Instrument :
BNA_E
ClientSampleId :
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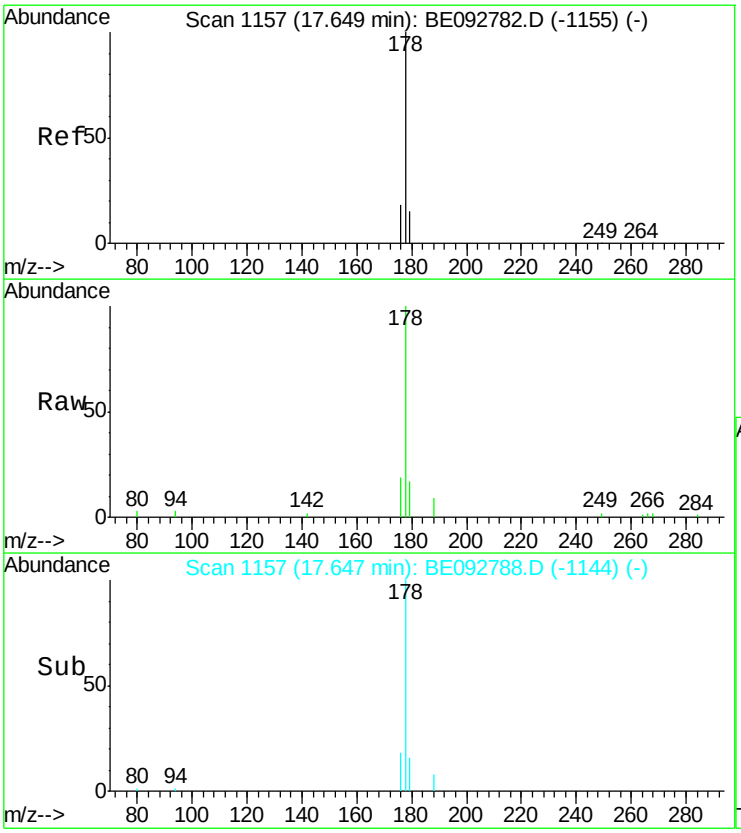
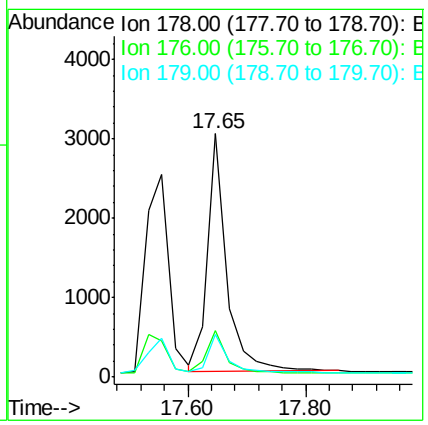
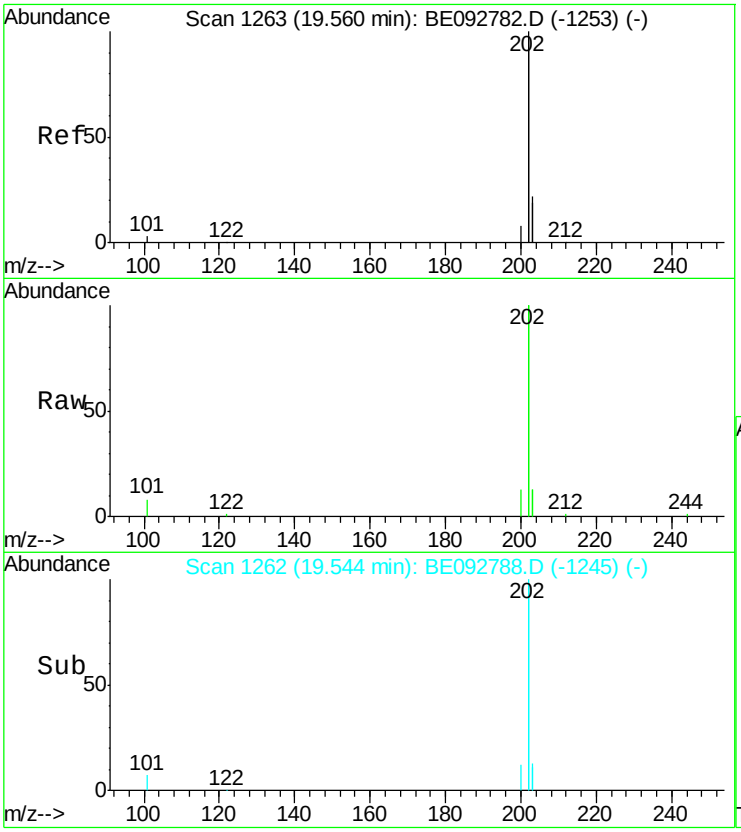


#22
Anthracene
Concen: 0.38 ng
RT: 17.65 min Scan# 1157
Delta R.T. -0.00 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:178 Resp: 6799

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	15.9	12.2	18.2

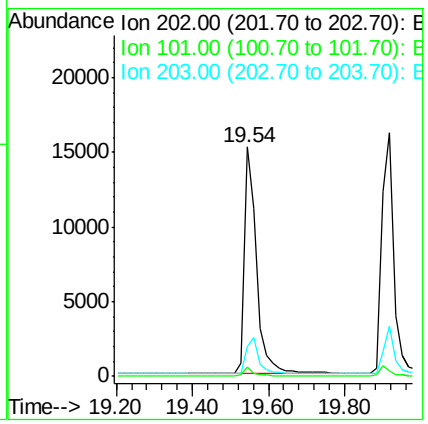




#23
Fluoranthene
Concen: 0.39 ng
RT: 19.54 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:202 Resp: 33928

Ion	Ratio	Lower	Upper
202	100		
101	3.0	2.2	3.4
203	17.0	13.7	20.5



Instrument :
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ClientSampleId :
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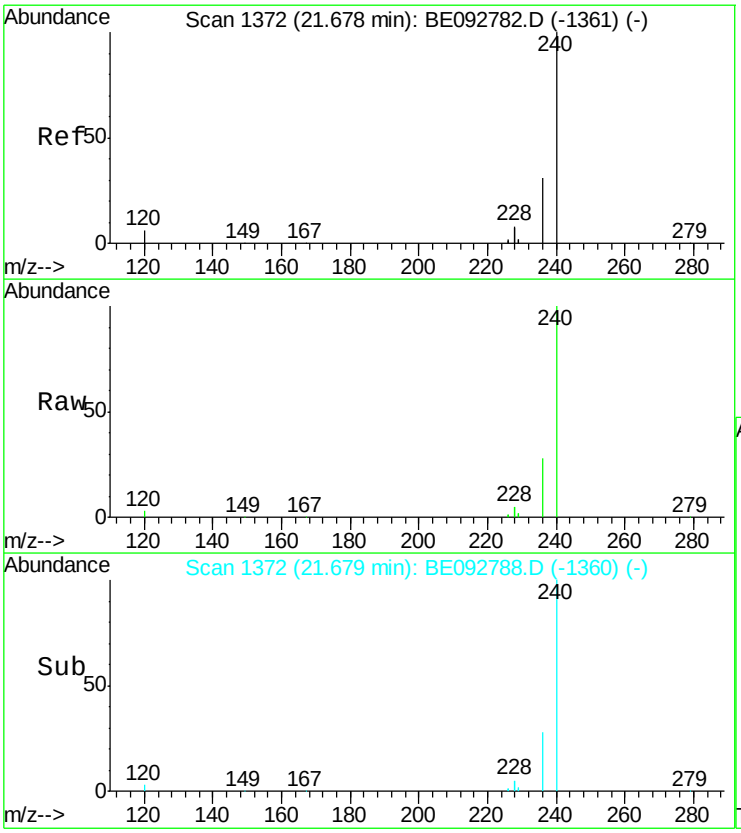
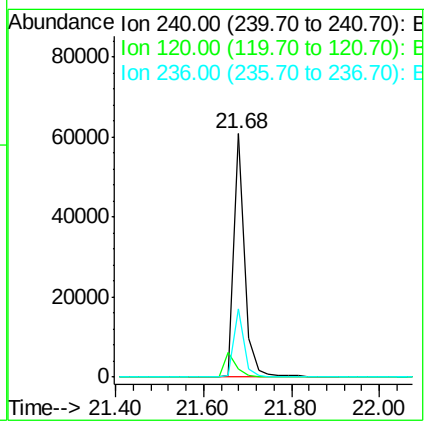
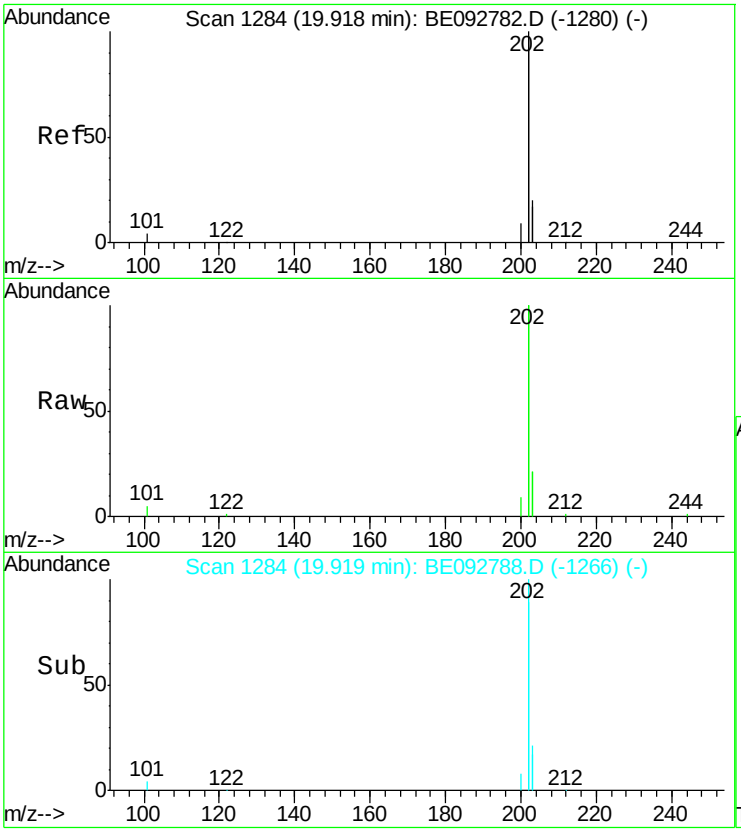


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.68 min Scan# 1372
Delta R.T. -0.02 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:240 Resp: 101834

Ion	Ratio	Lower	Upper
240	100		
120	3.5	2.6	4.0
236	28.0	24.6	37.0





#25
Pyrene
Concen: 0.39 ng
RT: 19.92 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:202 Resp: 35568

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	17.4	13.9	20.9

Instrument :
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ClientSampleId :
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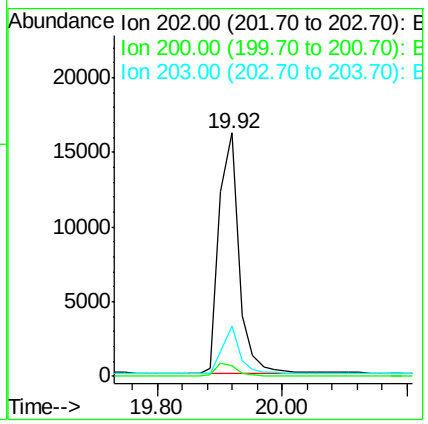
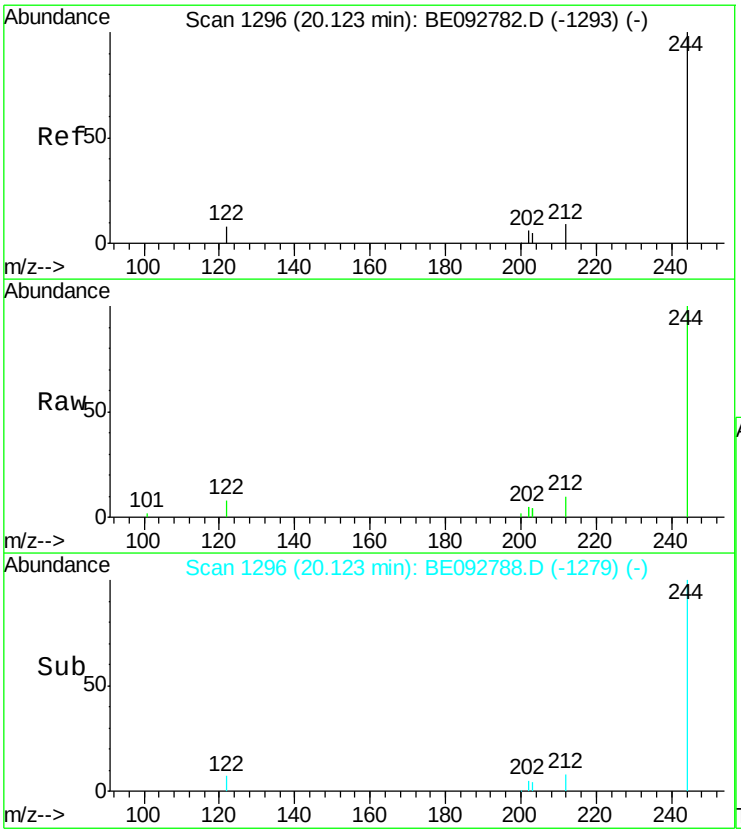
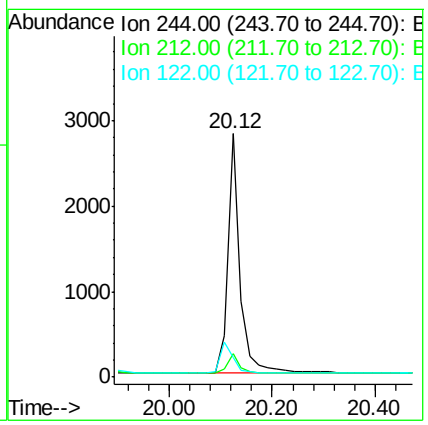


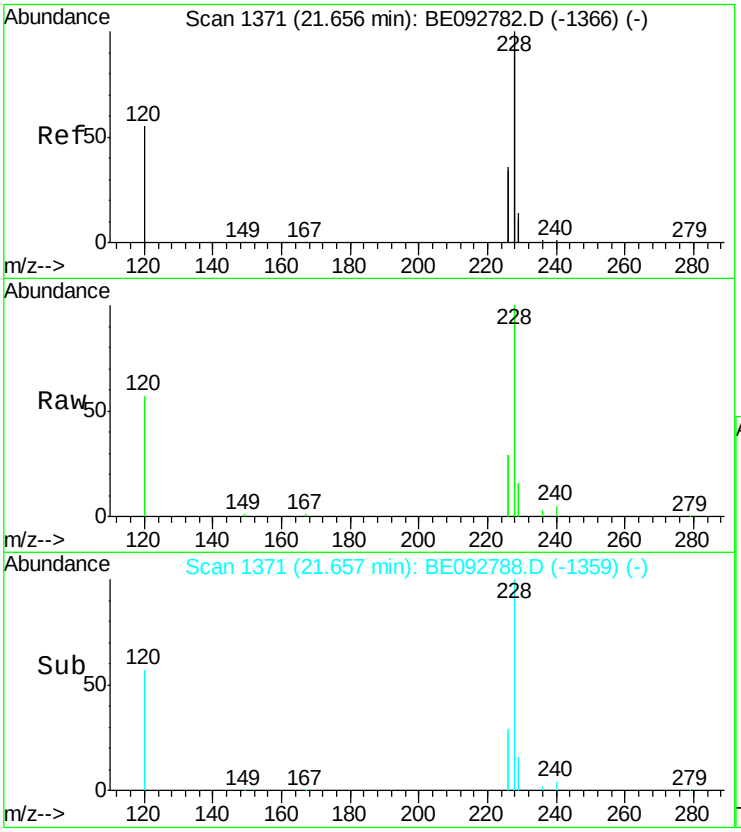


#26
Terphenyl-d14
Concen: 0.39 ng
RT: 20.12 min Scan# 1296
Delta R.T. -0.02 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:244 Resp: 4737

Ion	Ratio	Lower	Upper
244	100		
212	9.8	6.7	10.1
122	8.3	3.6	5.4#

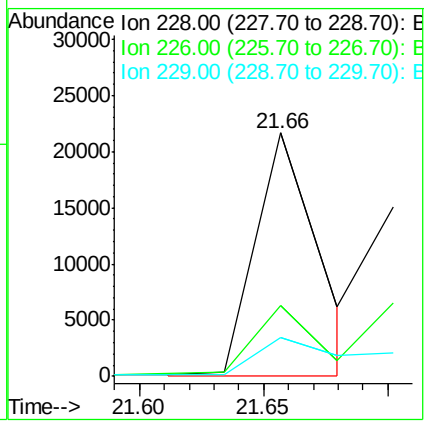




#27
Benzo(a)anthracene
Concen: 0.42 ng m
RT: 21.66 min Scan# 1371
Delta R.T. -0.02 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:228 Resp: 38407

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.6	35.4
229	16.0	13.3	19.9



Instrument :
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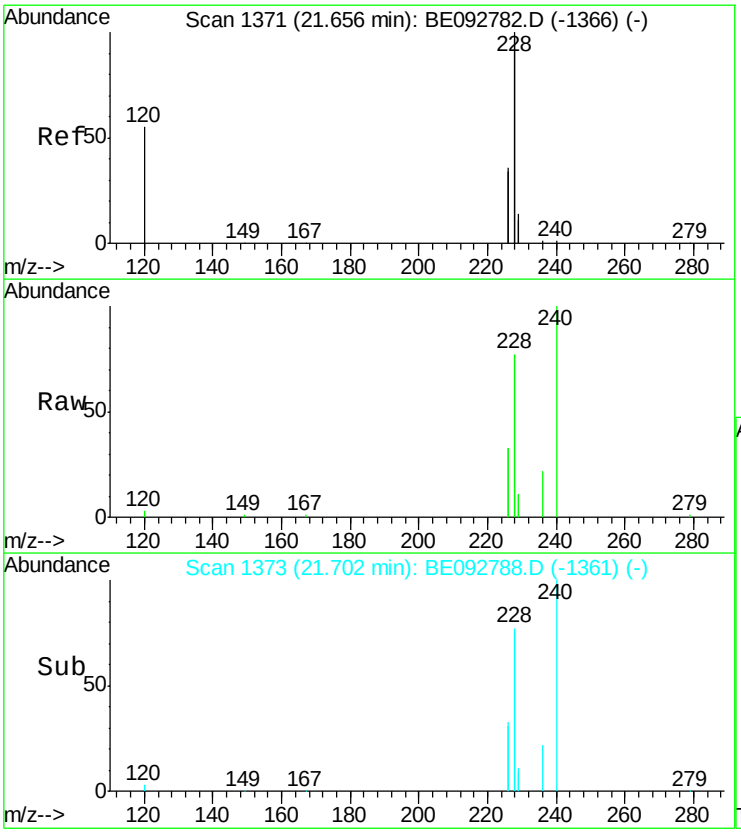
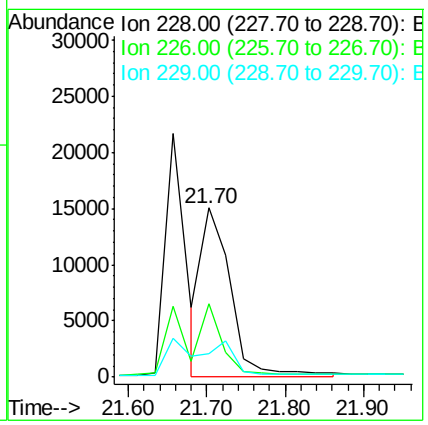
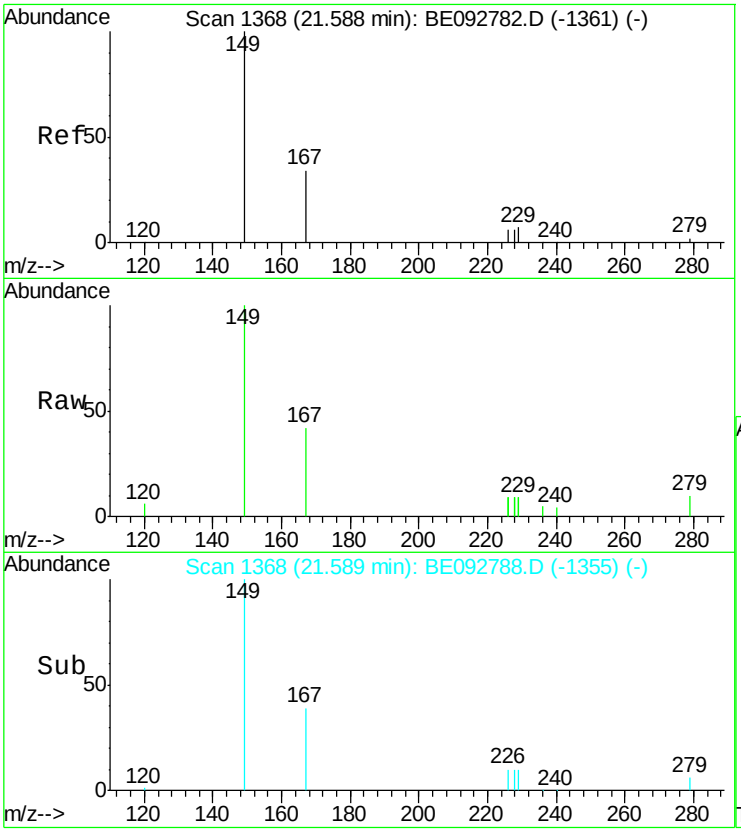


#28
Chrysene
Concen: 0.44 ng m
RT: 21.70 min Scan# 1373
Delta R.T. -0.02 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:228 Resp: 40744

Ion	Ratio	Lower	Upper
228	100		
226	43.0	36.3	54.5
229	13.8	10.6	16.0





#29
Bis(2-ethylhexyl)phthalate
Concen: 0.33 ng m
RT: 21.59 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:149 Resp: 2750

Ion	Ratio	Lower	Upper
149	100		
167	26.9	16.0	24.0#
279	3.7	16.0	24.0#

Instrument :
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ClientSampleId :
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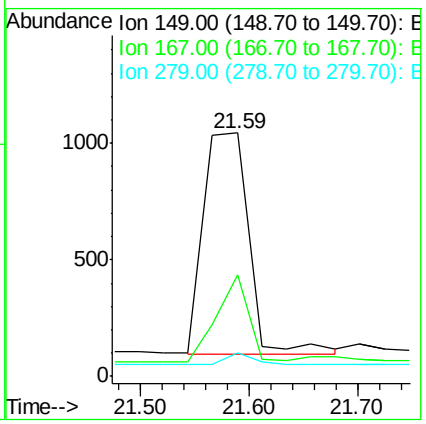
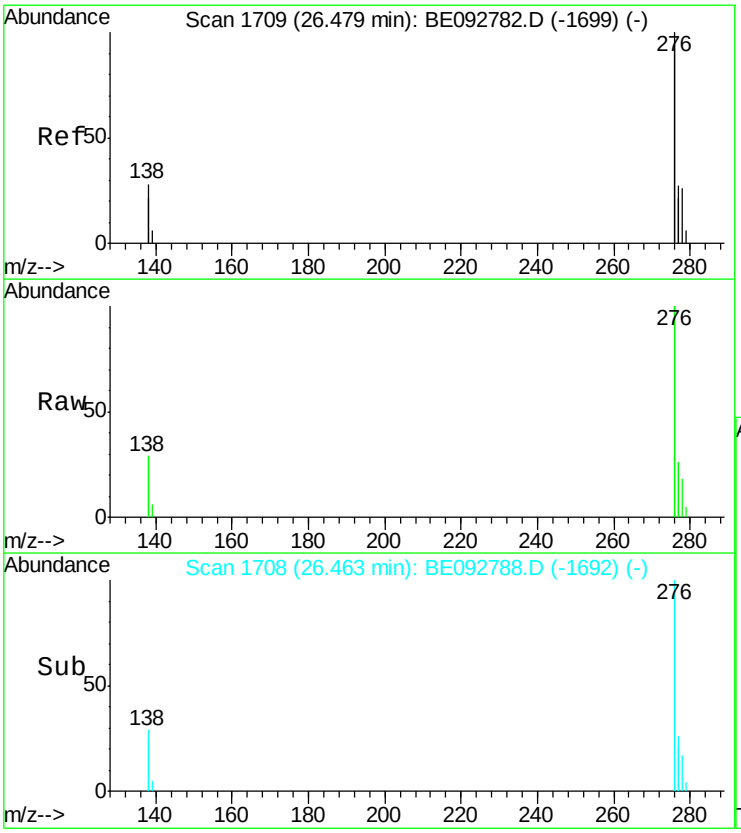
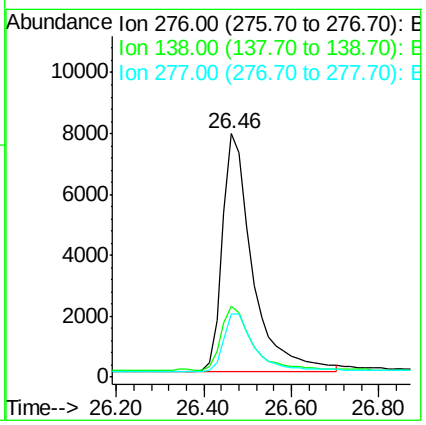


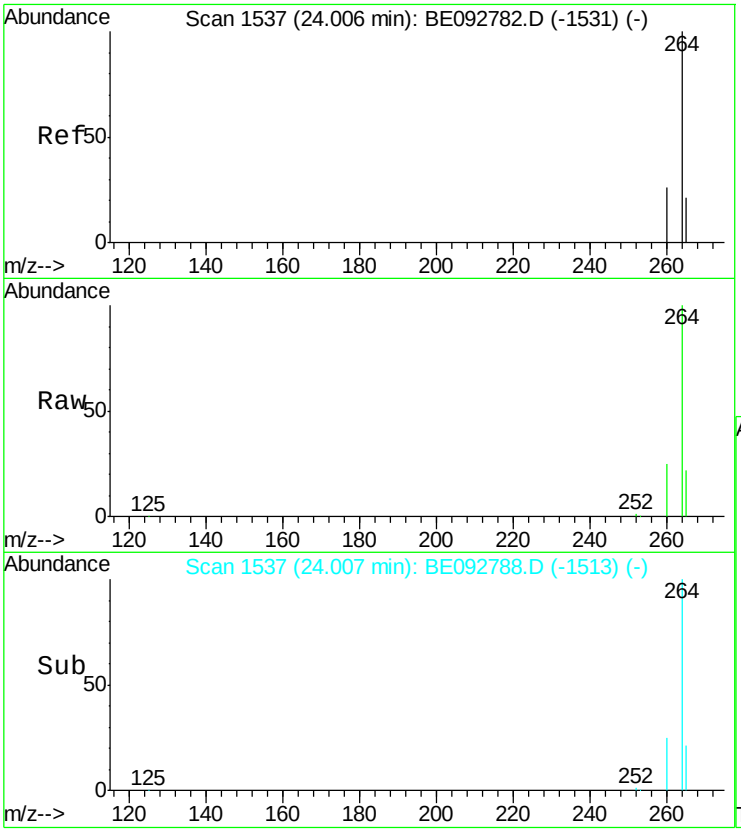


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.37 ng
RT: 26.46 min Scan# 1708
Delta R.T. -0.03 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:276 Resp: 37070

Ion	Ratio	Lower	Upper
276	100		
138	27.4	20.3	30.5
277	24.8	19.7	29.5

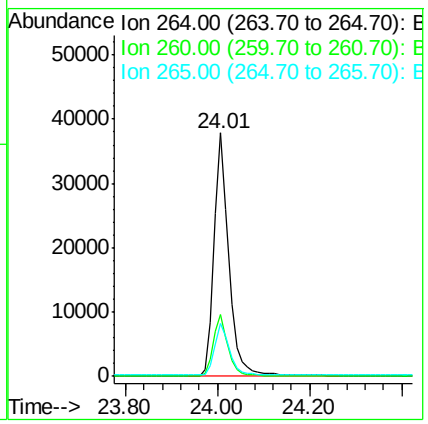




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.01 min Scan# 1537
Delta R.T. -0.02 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:264 Resp: 84601

Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.1	30.1
265	21.6	17.9	26.9



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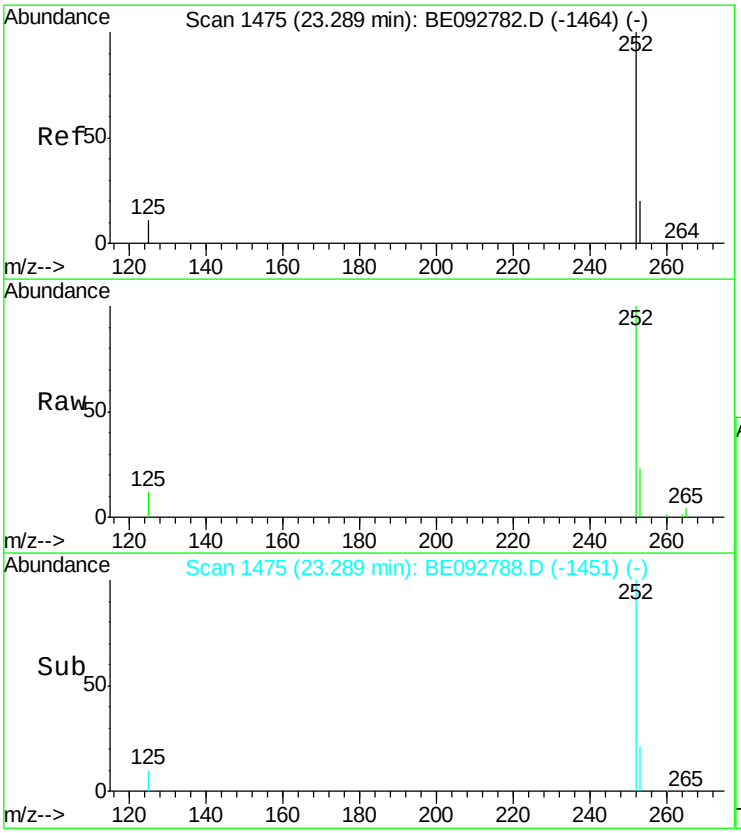
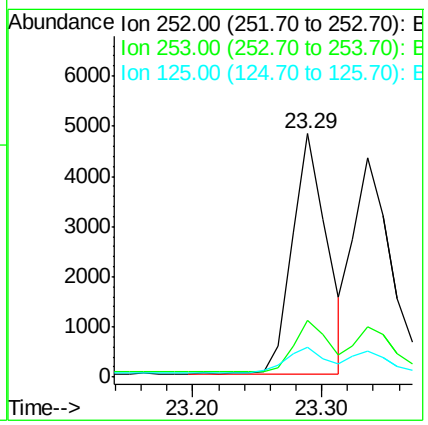
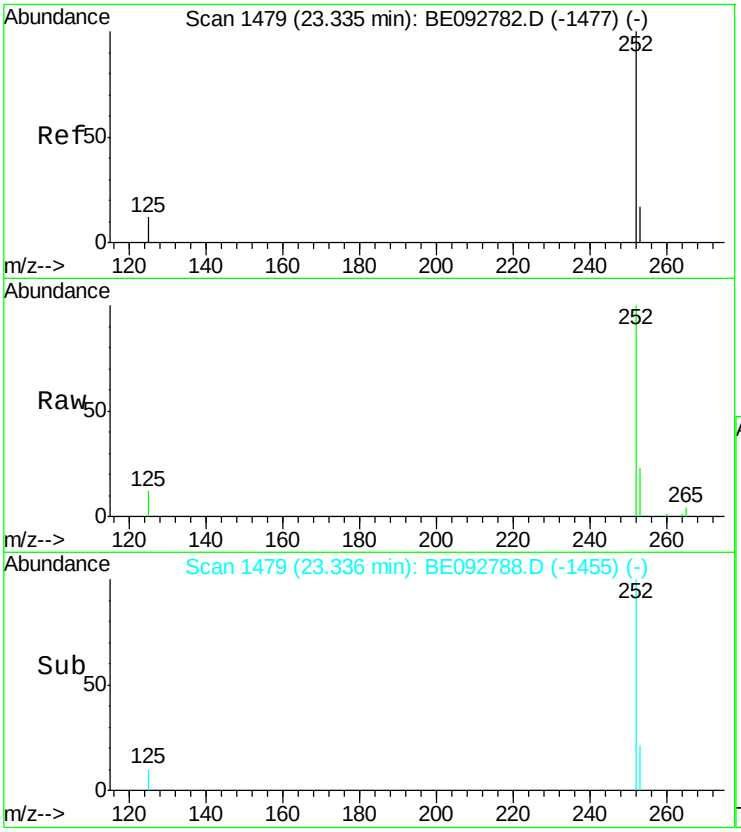


#32
Benzo(b)fluoranthene
Concen: 0.39 ng
RT: 23.29 min Scan# 1475
Delta R.T. -0.02 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:252 Resp: 8878

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.7	28.1
125	12.1	10.5	15.7

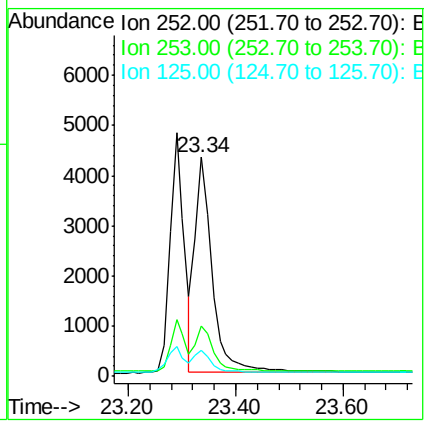




#33
Benzo(k)fluoranthene
Concen: 0.42 ng
RT: 23.34 min Scan# 1479
Delta R.T. -0.02 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:252 Resp: 9438

Ion	Ratio	Lower	Upper
252	100		
253	23.2	20.3	30.5
125	12.0	9.6	14.4



Instrument :
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ClientSampleId :
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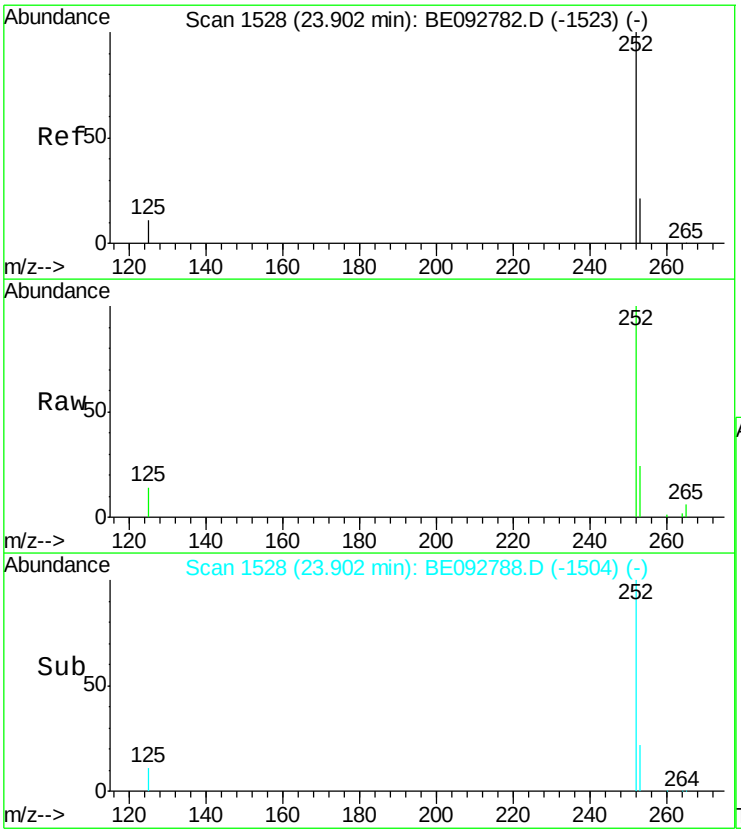
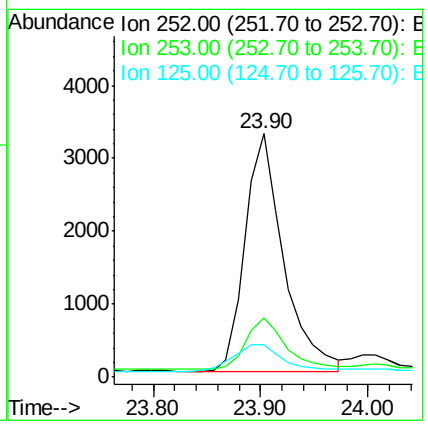
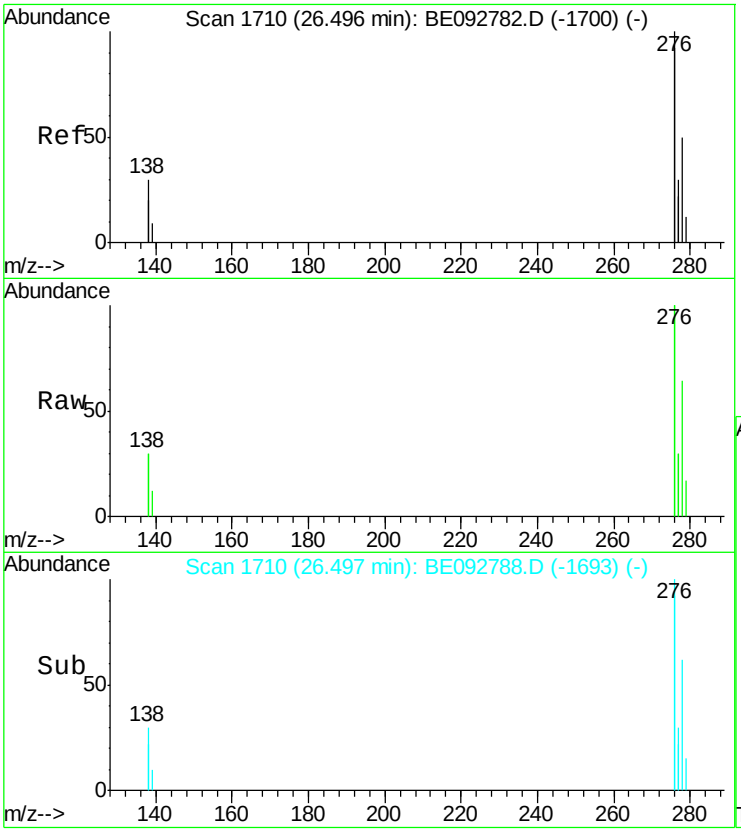


#34
Benzo(a)pyrene
Concen: 0.39 ng
RT: 23.90 min Scan# 1528
Delta R.T. -0.02 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:252 Resp: 8070

Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.0	28.6
125	13.5	11.8	17.8

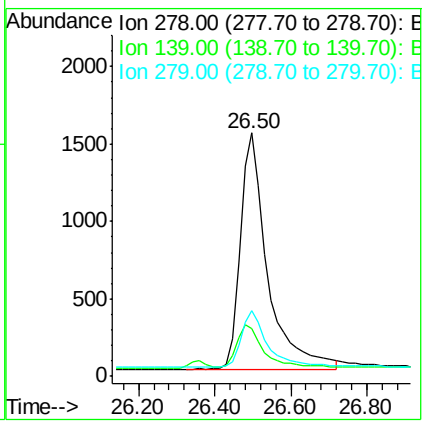




#35
Dibenzo(a,h)anthracene
Concen: 0.39 ng
RT: 26.50 min Scan# 1710
Delta R.T. -0.02 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:278 Resp: 7611

Ion	Ratio	Lower	Upper
278	100		
139	19.6	13.8	20.8
279	27.1	21.4	32.2



Instrument :
BNA_E
ClientSampleId :
ICVBE030617

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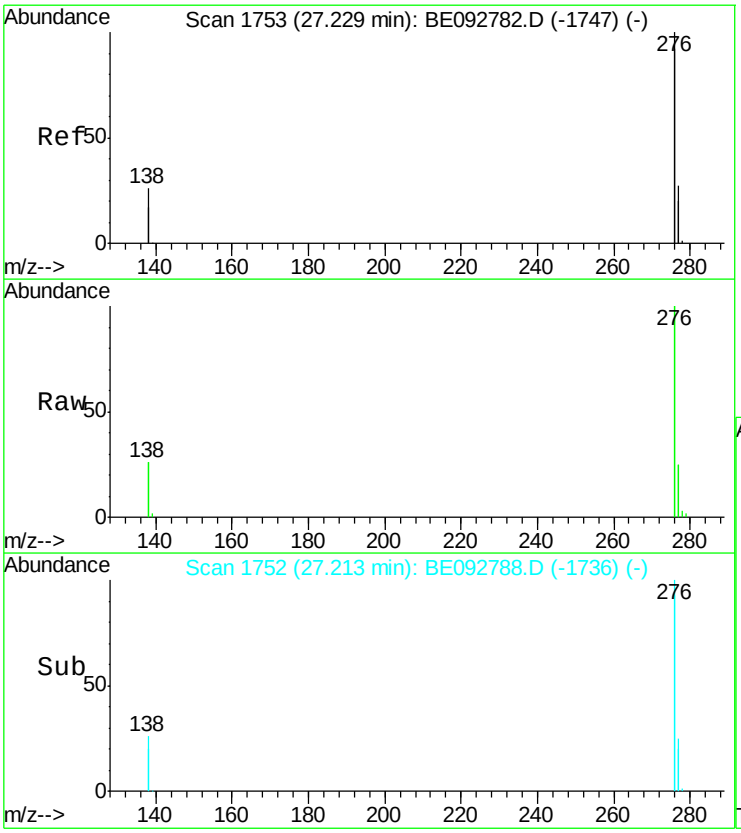

#36
Benzo(g,h,i)perylene
Concen: 0.40 ng
RT: 27.21 min Scan# 1752
Delta R.T. -0.03 min
Lab File: BE092788.D
Acq: 6 Mar 2017 15:15

Tgt Ion:276 Resp: 33189

Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.8	29.8
138	26.3	19.8	29.6