Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE121916\
Data File : BE092608.D
Acq On : 19 Dec 2016 15:18
Operator : UM/SJ
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE121916

Manual Integrations APPROVED
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Quant Time: Dec 19 16:20:29 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 19 16:16:32 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	9016	5.00	ng		0.00
7) Naphthalene-d8	10.93	136	43477	5.00	ng		0.00
12) Acenaphthene-d10	14.80	164	30660	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	65655	5.00	ng		0.00
24) Chrysene-d12	21.72	240	82370	5.00	ng		0.00
31) Perylene-d12	24.06	264	77465	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.68	112	547	0.46	ng		0.00
5) Phenol-d6	7.36	99	741	0.45	ng		-0.02
8) Nitrobenzene-d5	9.36	82	887	0.46	ng		0.00
13) 2,4,6-Tribromophenol	16.31	330	240	0.44	ng		0.00
14) 2-Fluorobiphenyl	13.43	172	2870	0.39	ng		0.00
26) Terphenyl-d14	20.17	244	3952	0.39	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.39	88	577	0.40	ng		89
3) n-Nitrosodimethylamine	3.79	42	386	0.44	ng	#	96
6) bis(2-Chloroethyl)ether	7.59	93	703	0.37	ng		85
9) Naphthalene	10.97	128	3549	0.40	ng		97
10) Hexachlorobutadiene	11.26	225	544	0.40	ng		99
11) 2-Methylnaphthalene	12.64	142	2147	0.38	ng		95
15) Acenaphthylene	14.51	152	16248	0.38	ng		99
16) Acenaphthene	14.85	154	2689	0.39	ng		93
17) Fluorene	15.84	166	3278	0.38	ng		97
19) Hexachlorobenzene	16.87	284	1082m	0.39	ng		
20) Pentachlorophenol	17.23	266	152	0.42	ng		93
21) Phenanthrene	17.58	178	6166	0.37	ng		95
22) Anthracene	17.69	178	5421	0.36	ng		99
23) Fluoranthene	19.59	202	26779	0.37	ng		100
25) Pyrene	19.95	202	27848	0.38	ng		100
27) Benzo(a)anthracene	21.70	228	28526	0.39	ng	#	88
28) Chrysene	21.75	228	34873m	0.41	ng		
29) Bis(2-ethylhexyl)phthalate	21.61	149	2540	0.41	ng	#	74
30) Indeno(1,2,3-cd)pyrene	26.56	276	29916	0.39	ng		98
32) Benzo(b)fluoranthene	23.35	252	6823	0.38	ng		98
33) Benzo(k)fluoranthene	23.39	252	7348	0.37	ng		98
34) Benzo(a)pyrene	23.96	252	6374	0.37	ng		99
35) Dibenzo(a,h)anthracene	26.58	278	5941	0.36	ng	#	96
36) Benzo(g,h,i)perylene	27.31	276	26323	0.38	ng		98

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

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Misc :
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Instrument :
BNA_E
ClientSampleId :
ICVBE121916

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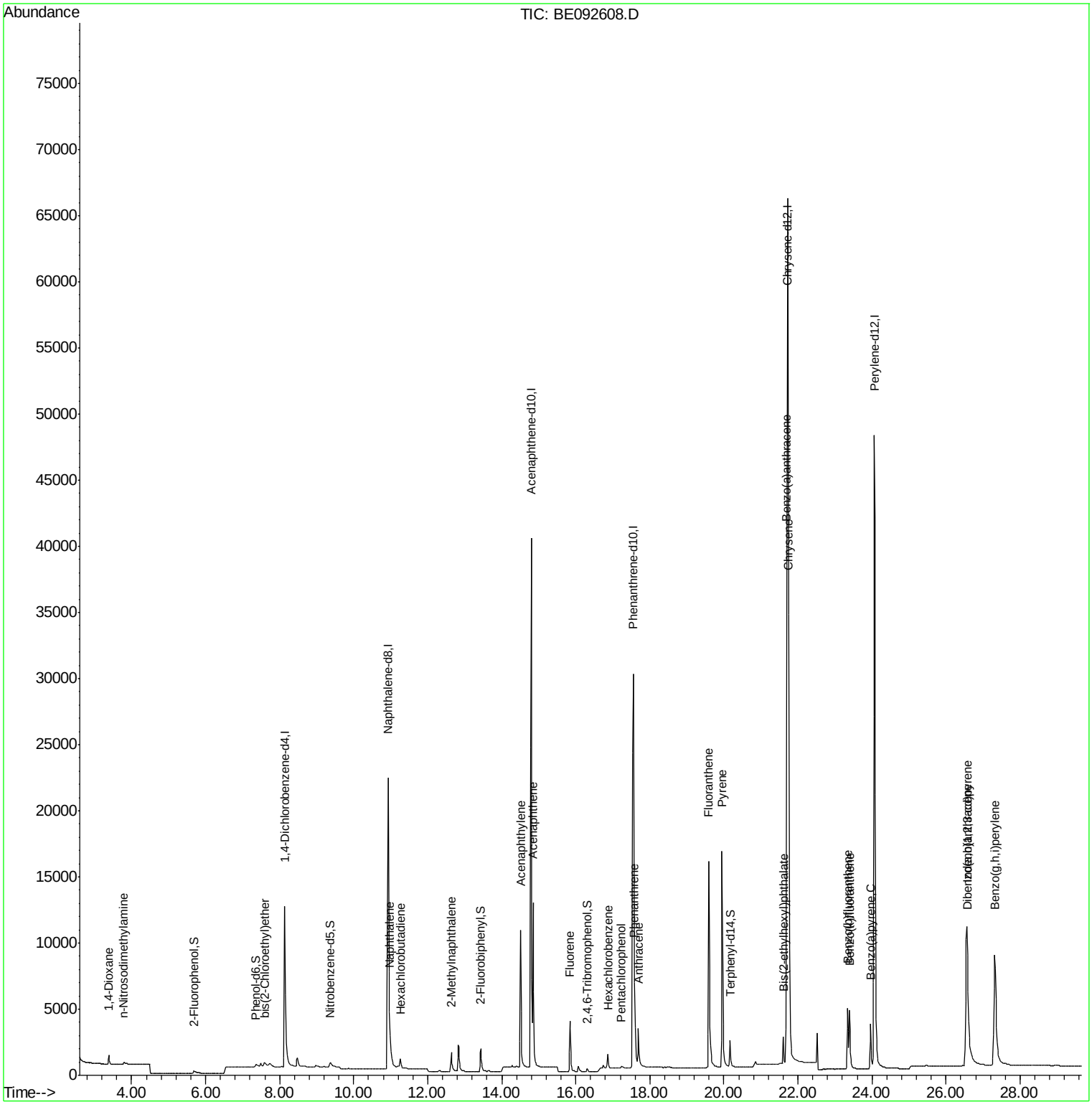
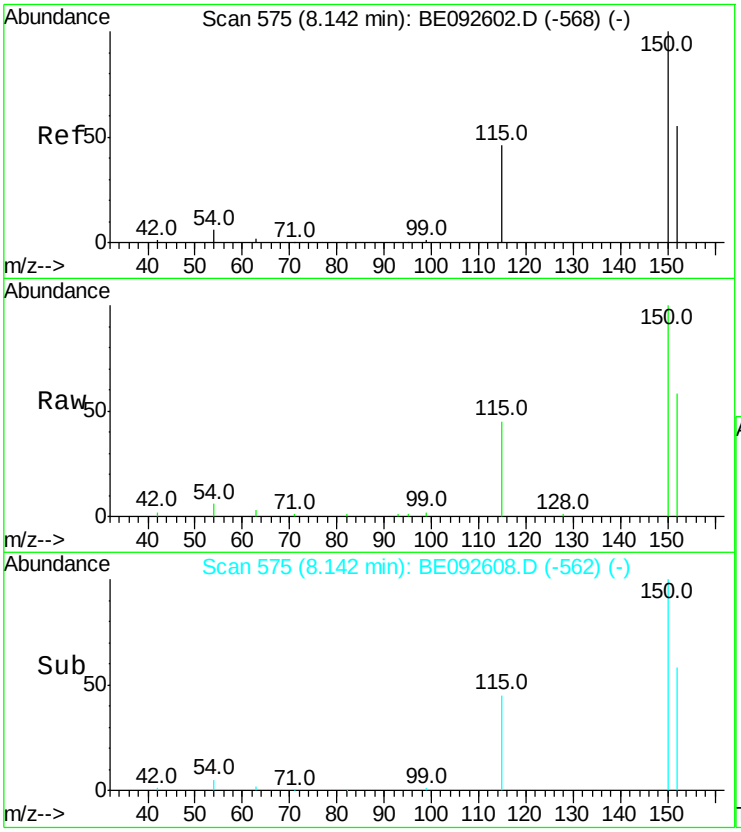
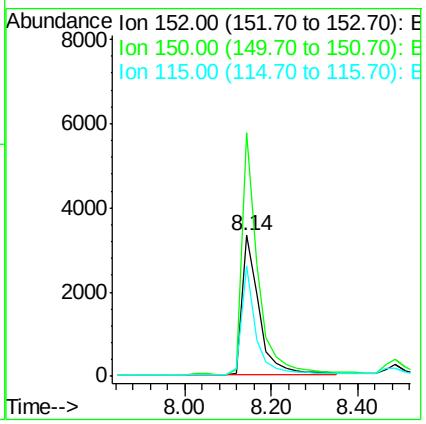




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.14 min Scan# 575
Delta R.T. 0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:152 Resp: 9016

Ion	Ratio	Lower	Upper
152	100		
150	172.5	106.0	159.0#
115	78.0	31.2	46.8#



Instrument :
BNA_E
ClientSampleId :
ICVBE121916

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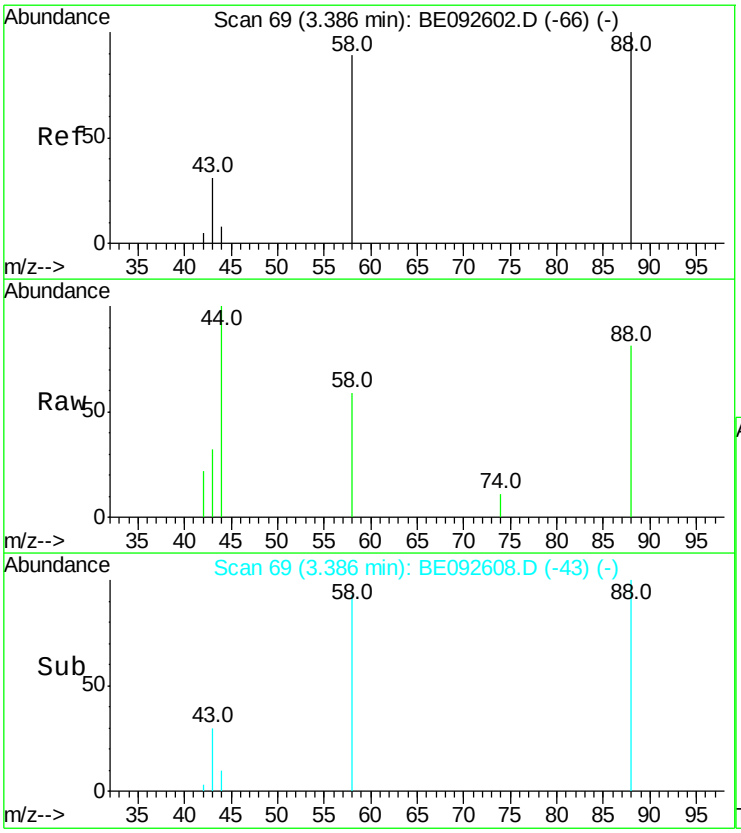
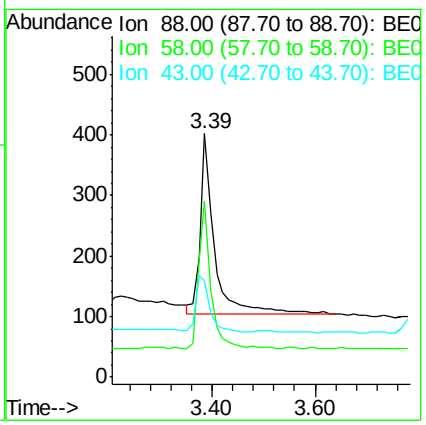
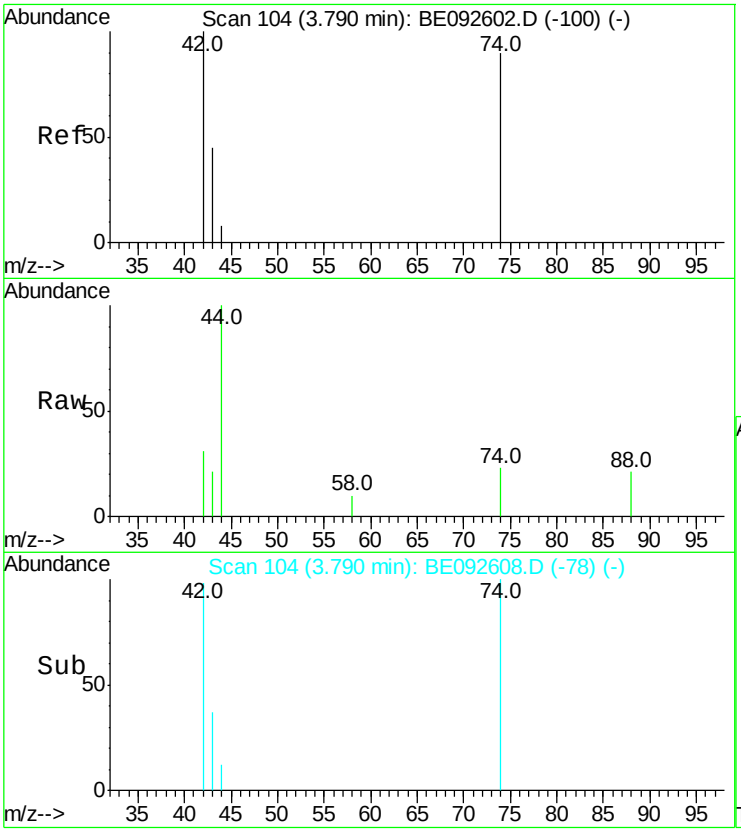


#2
1,4-Dioxane
Concen: 0.40 ng
RT: 3.39 min Scan# 69
Delta R.T. 0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion: 88 Resp: 577

Ion	Ratio	Lower	Upper
88	100		
58	69.5	63.6	95.4
43	29.3	28.0	42.0

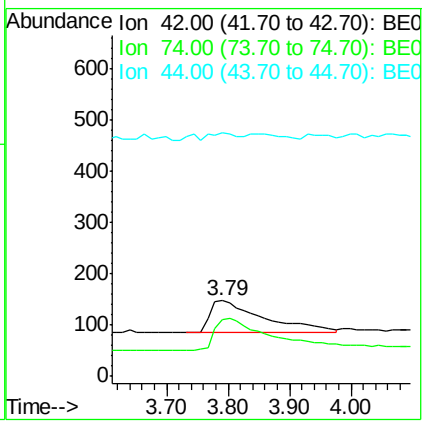




#3
n-Nitrosodimethylamine
Concen: 0.44 ng
RT: 3.79 min Scan# 104
Delta R.T. 0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion: 42 Resp: 386

Ion	Ratio	Lower	Upper
42	100		
74	111.1	86.0	129.0
44	9.6	5.1	7.7#



Instrument :
BNA_E
ClientSampleId :
ICVBE121916

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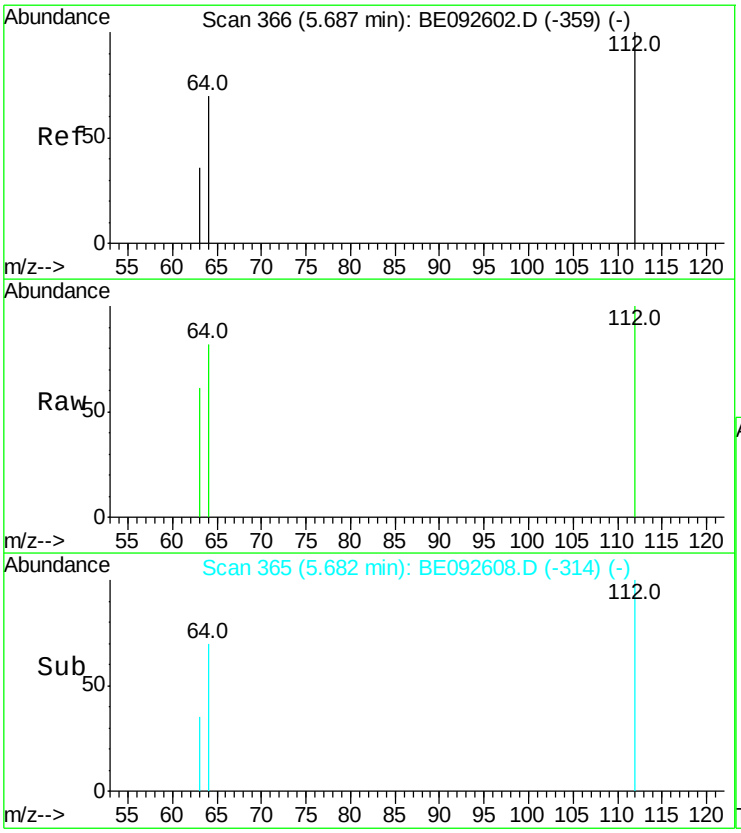
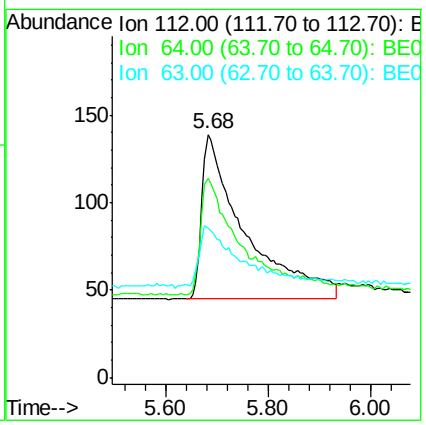
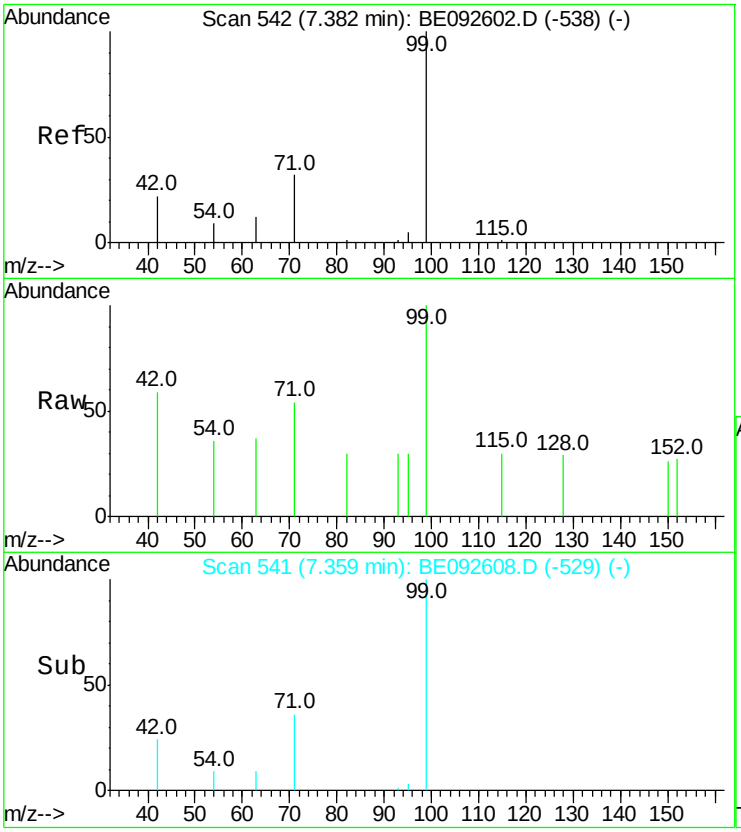


#4
2-Fluorophenol
Concen: 0.46 ng
RT: 5.68 min Scan# 365
Delta R.T. -0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:112 Resp: 547

Ion	Ratio	Lower	Upper
112	100		
64	64.2	53.5	80.3
63	38.4	27.9	41.9

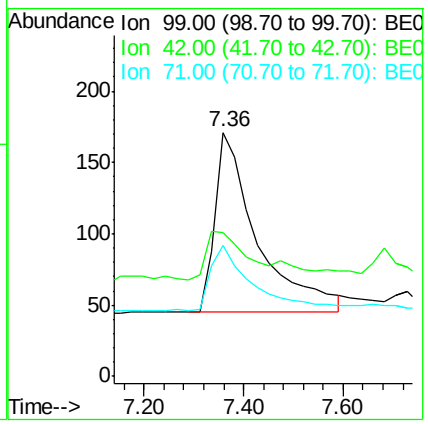




#5
Phenol-d6
Concen: 0.45 ng
RT: 7.36 min Scan# 541
Delta R.T. -0.02 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion: 99 Resp: 741

Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	37.1	30.6	45.8



Instrument :
BNA_E
ClientSampleId :
ICVBE121916

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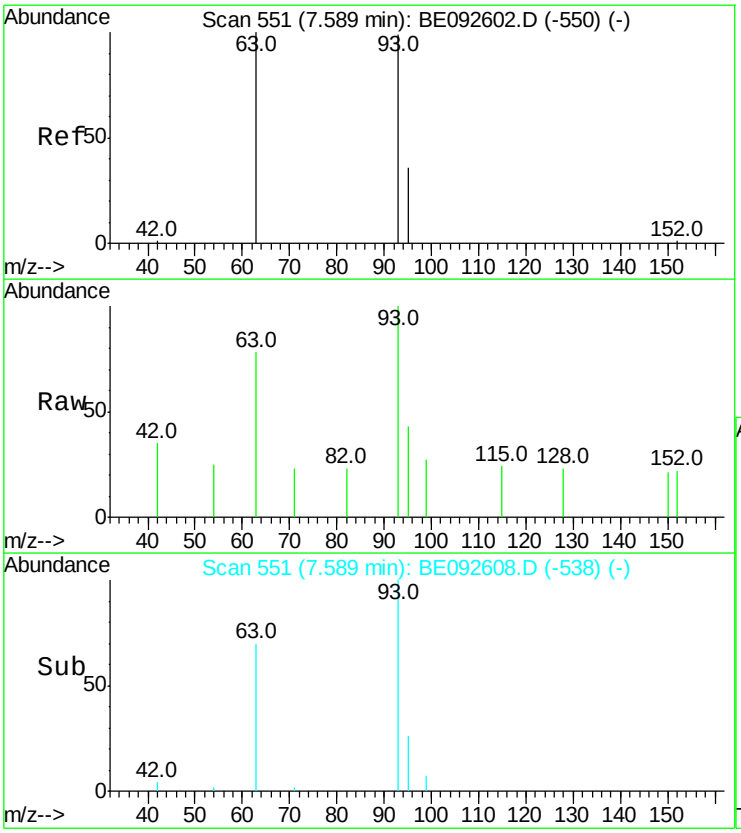
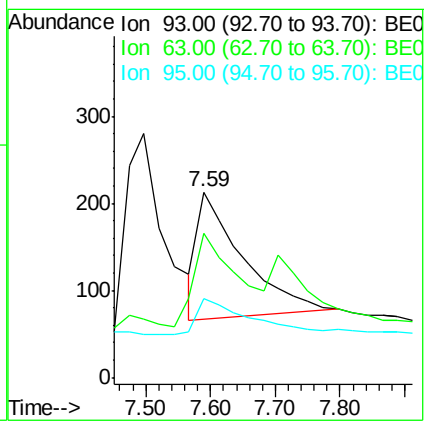
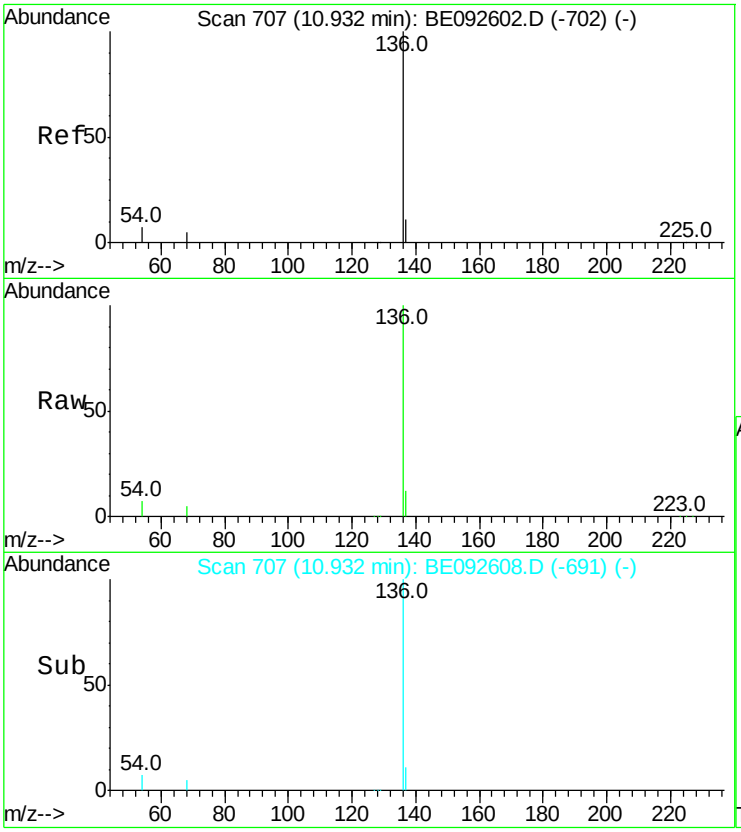


#6
bis(2-Chloroethyl)ether
Concen: 0.37 ng
RT: 7.59 min Scan# 551
Delta R.T. 0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion: 93 Resp: 703

Ion	Ratio	Lower	Upper
93	100		
63	73.0	71.6	107.4
95	34.1	24.0	36.0

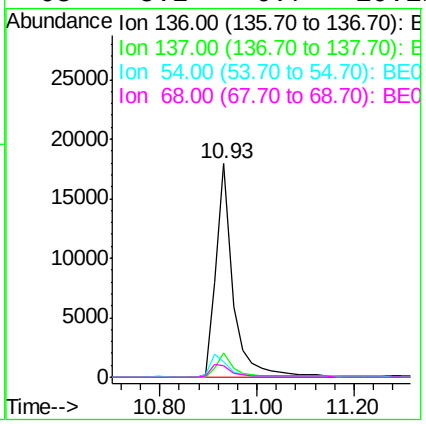




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.93 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:136 Resp: 43477

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.2	12.4
54	7.0	9.6	14.4#
68	5.2	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
ICVBE121916

Manual Integrations APPROVED
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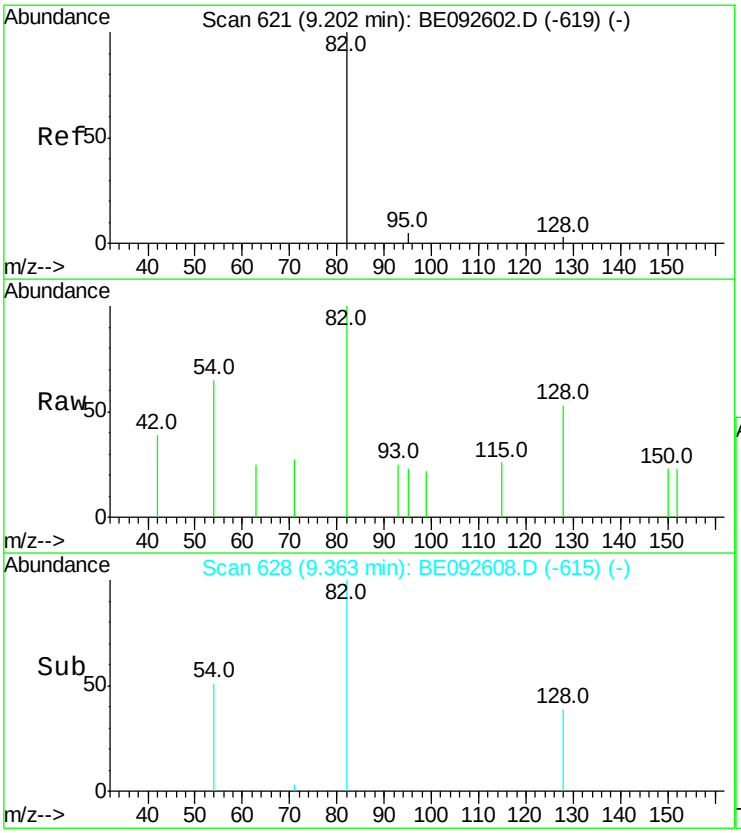
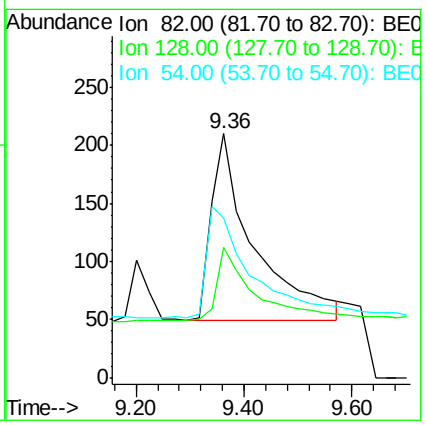
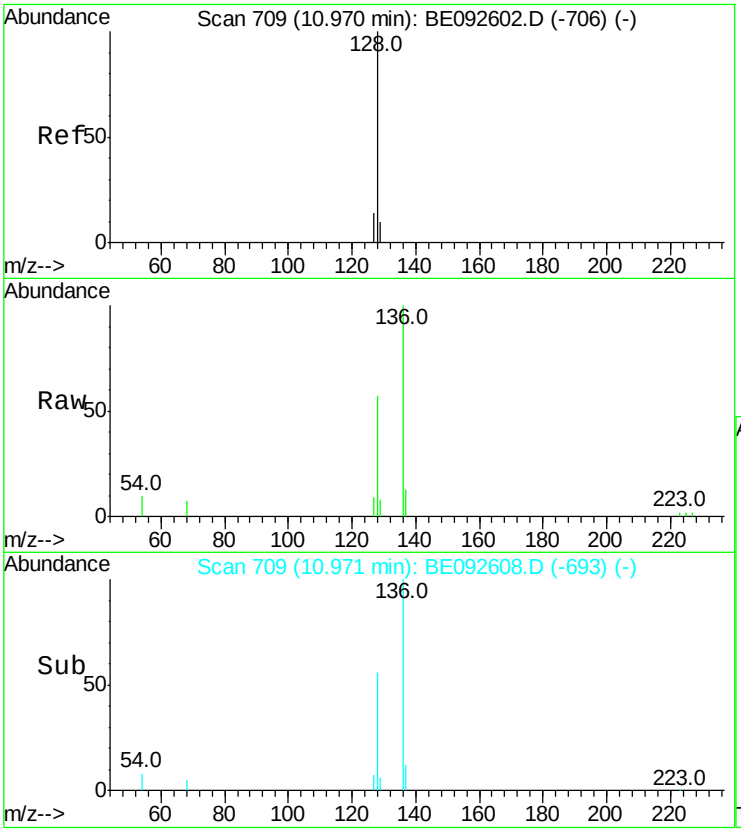


#8
Nitrobenzene-d5
Concen: 0.46 ng
RT: 9.36 min Scan# 628
Delta R.T. 0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion: 82 Resp: 887

Ion	Ratio	Lower	Upper
82	100		
128	53.3	39.0	58.4
54	65.2	44.8	67.2

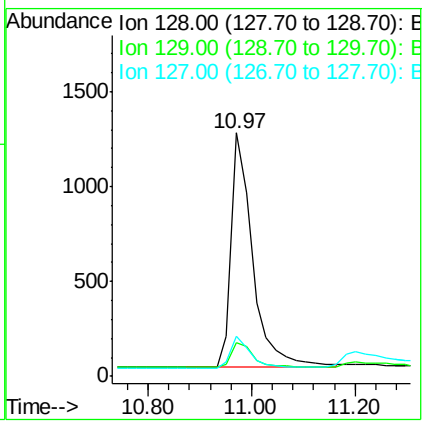




#9
Naphthalene
Concen: 0.40 ng
RT: 10.97 min Scan# 709
Delta R.T. 0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:128 Resp: 3549

Ion	Ratio	Lower	Upper
128	100		
129	13.6	11.2	16.8
127	16.4	11.6	17.4



Instrument :
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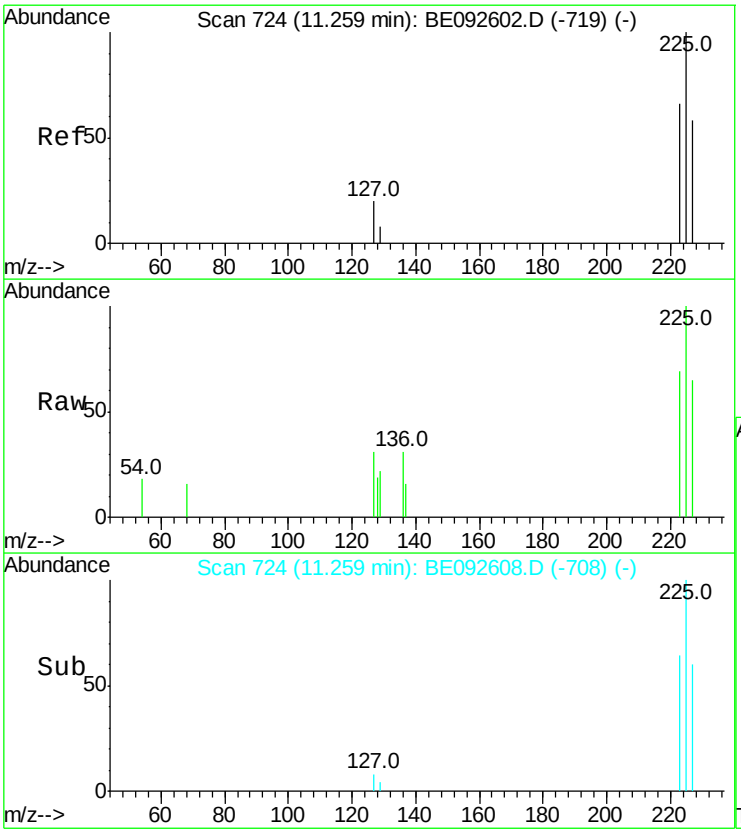
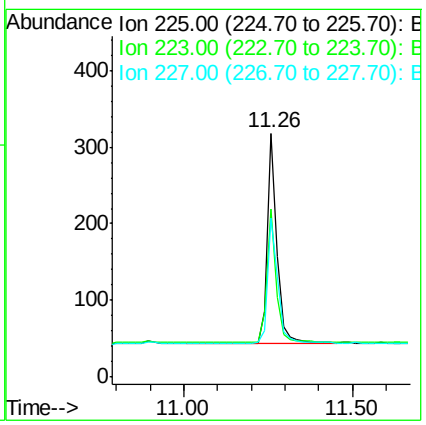
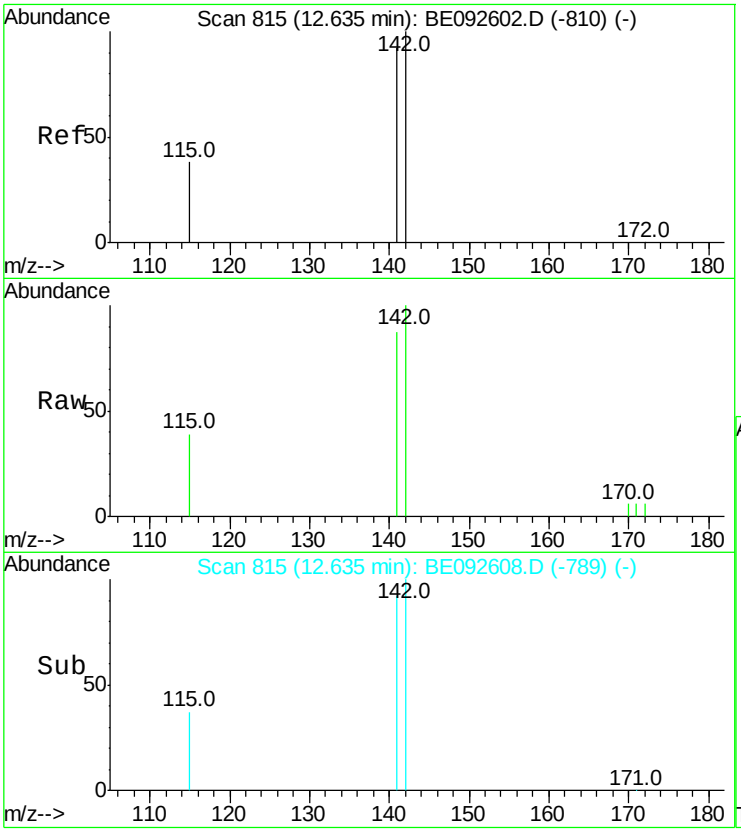


#10
Hexachlorobutadiene
Concen: 0.40 ng
RT: 11.26 min Scan# 724
Delta R.T. 0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:225 Resp: 544

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.6	76.0
227	63.6	51.4	77.0

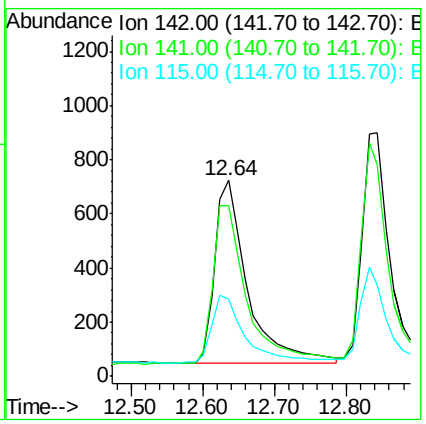




#11
2-Methylnaphthalene
Concen: 0.38 ng
RT: 12.64 min Scan# 815
Delta R.T. 0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:142 Resp: 2147

Ion	Ratio	Lower	Upper
142	100		
141	86.9	73.7	110.5
115	39.4	34.0	51.0



Instrument :
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ClientSampleId :
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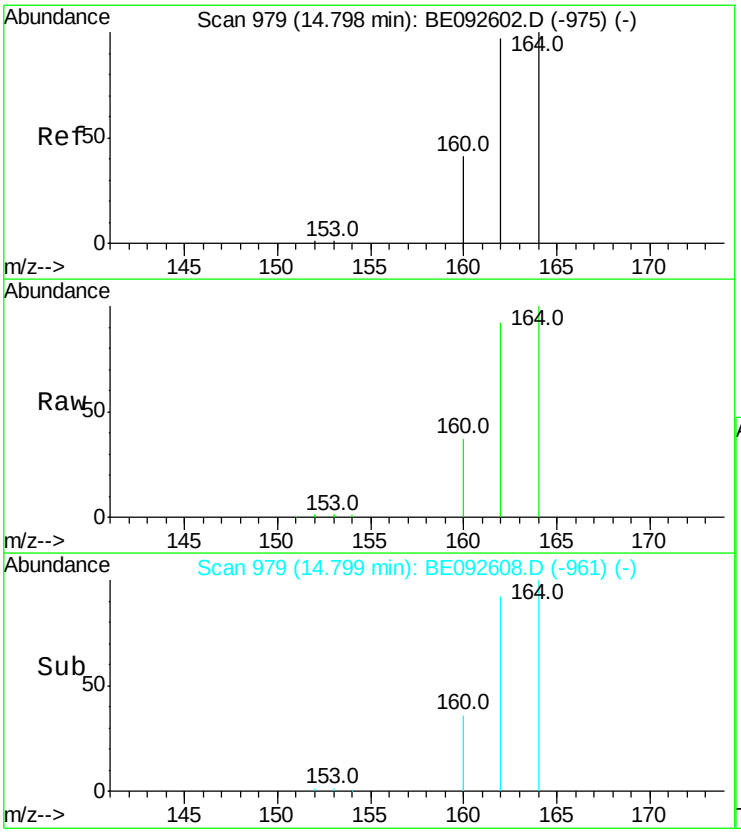
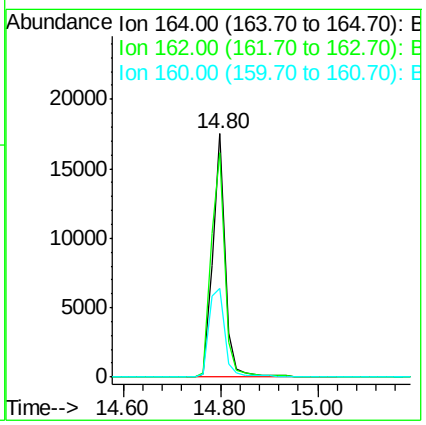
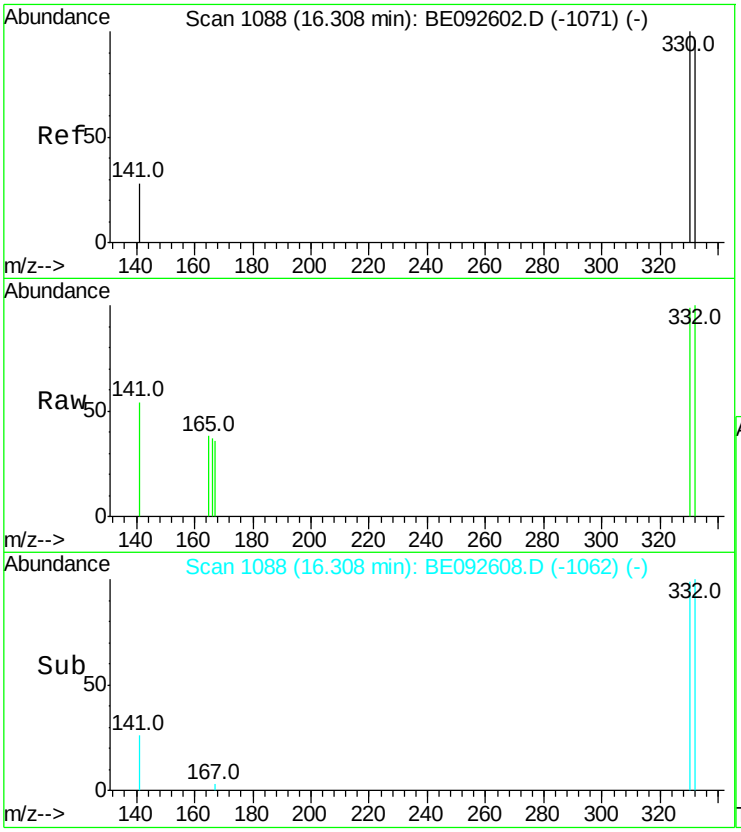


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 979
Delta R.T. 0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:164 Resp: 30660

Ion	Ratio	Lower	Upper
164	100		
162	92.2	71.4	107.0
160	36.6	27.4	41.2

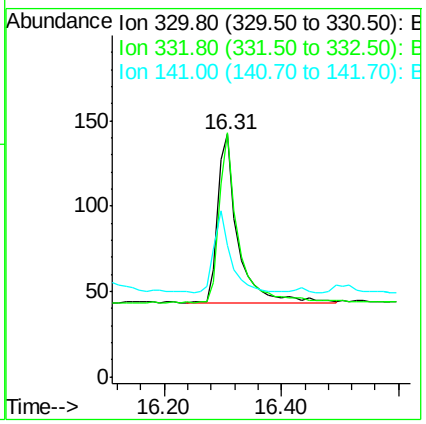




#13
2,4,6-Tribromophenol
Concen: 0.44 ng
RT: 16.31 min Scan# 1088
Delta R.T. 0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:330 Resp: 240

Ion	Ratio	Lower	Upper
330	100		
332	94.6	75.4	113.0
141	40.8	31.0	46.6



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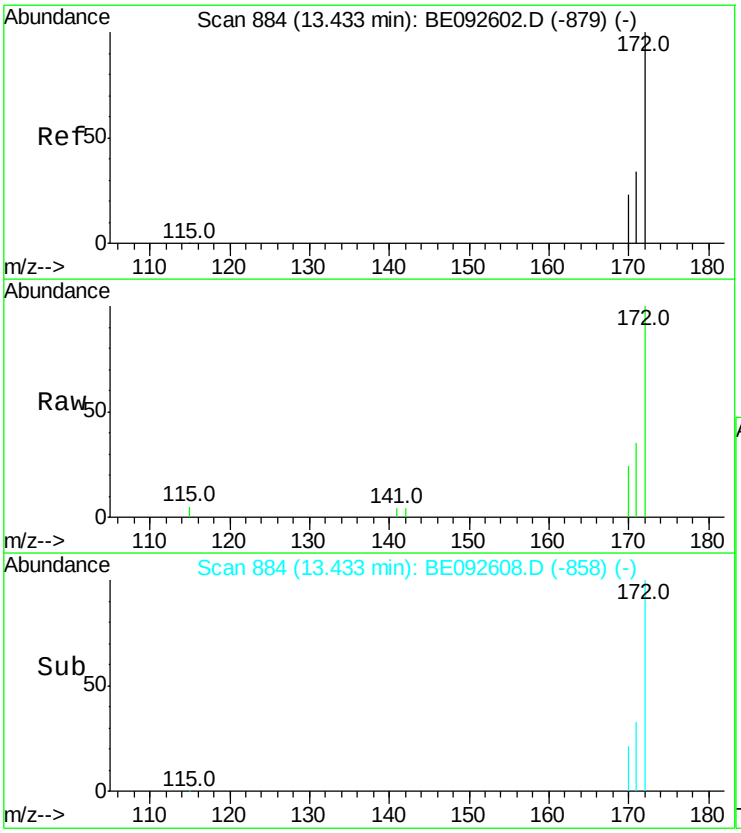
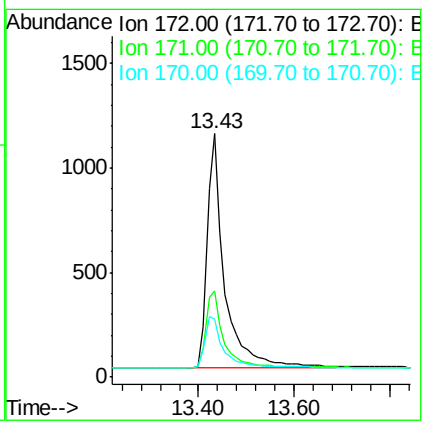
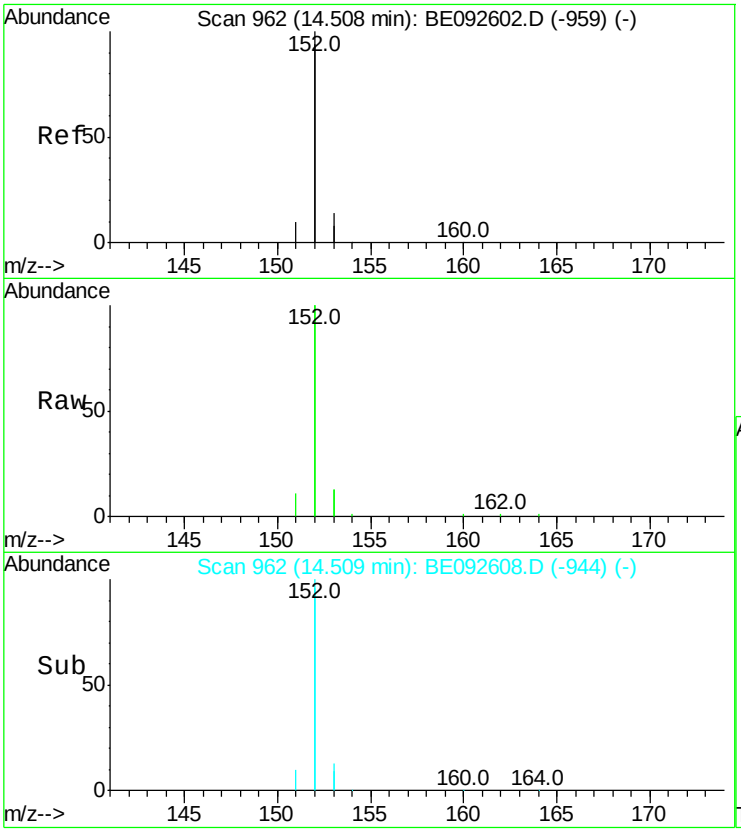


#14
2-Fluorobiphenyl
Concen: 0.39 ng
RT: 13.43 min Scan# 884
Delta R.T. 0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:172 Resp: 2870

Ion	Ratio	Lower	Upper
172	100		
171	35.4	30.1	45.1
170	23.9	21.8	32.6

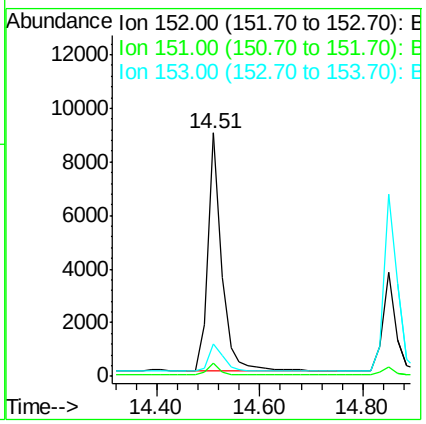




#15
Acenaphthylene
Concen: 0.38 ng
RT: 14.51 min Scan# 962
Delta R.T. 0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:152 Resp: 16248

Ion	Ratio	Lower	Upper
152	100		
151	5.0	3.9	5.9
153	12.7	10.4	15.6



Instrument :
BNA_E
ClientSampleId :
ICVBE121916

Manual Integrations APPROVED
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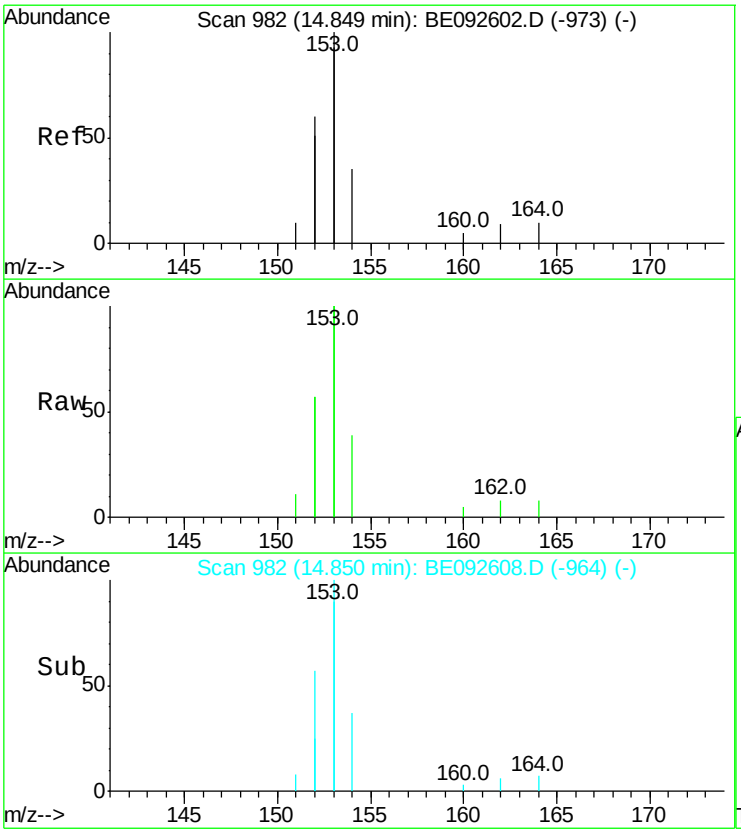
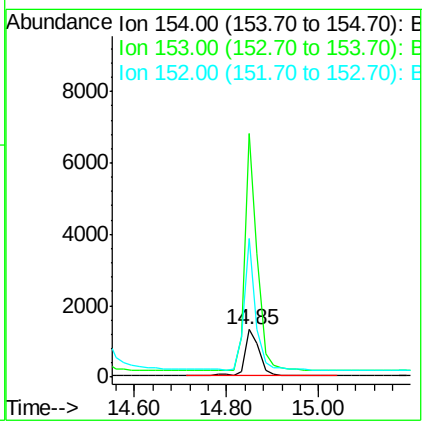
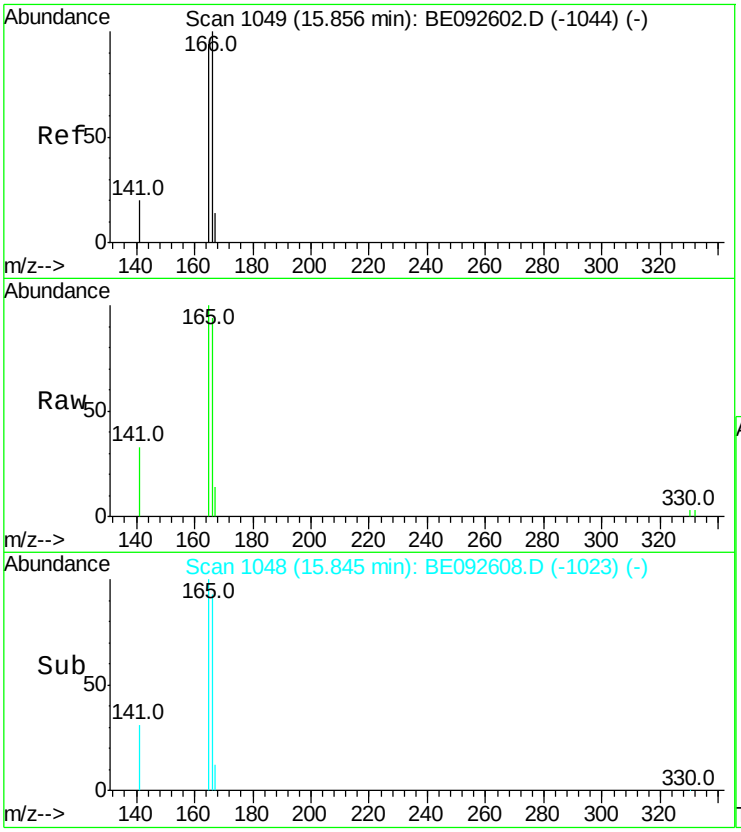


#16
Acenaphthene
Concen: 0.39 ng
RT: 14.85 min Scan# 982
Delta R.T. 0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:154 Resp: 2689

Ion	Ratio	Lower	Upper
154	100		
153	444.9	350.8	526.2
152	237.1	171.1	256.7

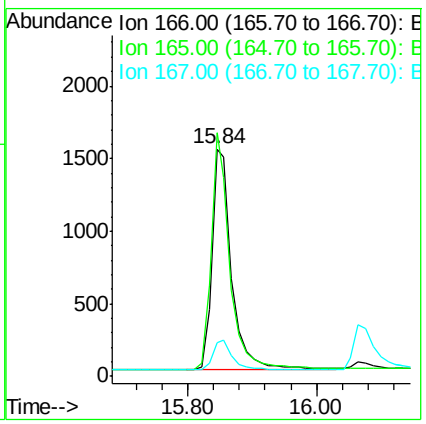




#17
Fluorene
Concen: 0.38 ng
RT: 15.84 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:166 Resp: 3278

Ion	Ratio	Lower	Upper
166	100		
165	101.0	78.2	117.4
167	13.7	11.0	16.4



Instrument :
BNA_E
ClientSampleId :
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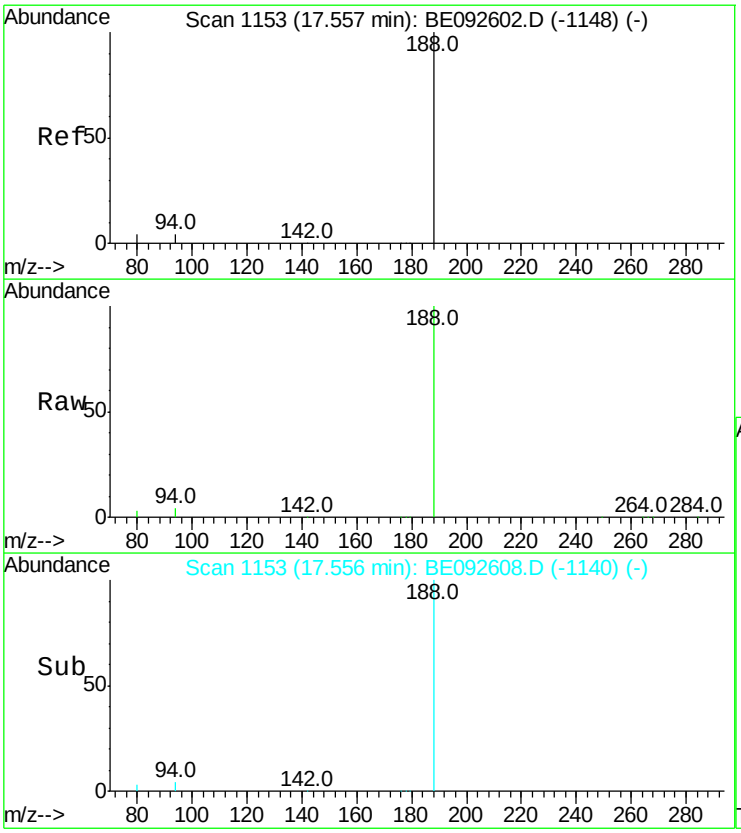
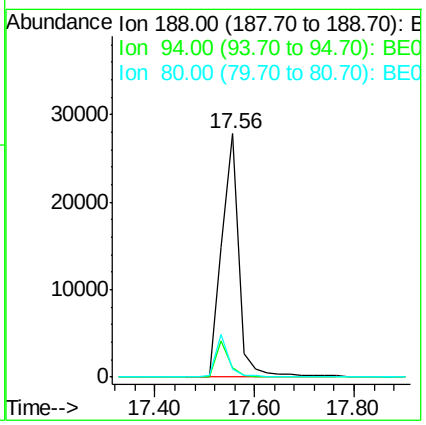
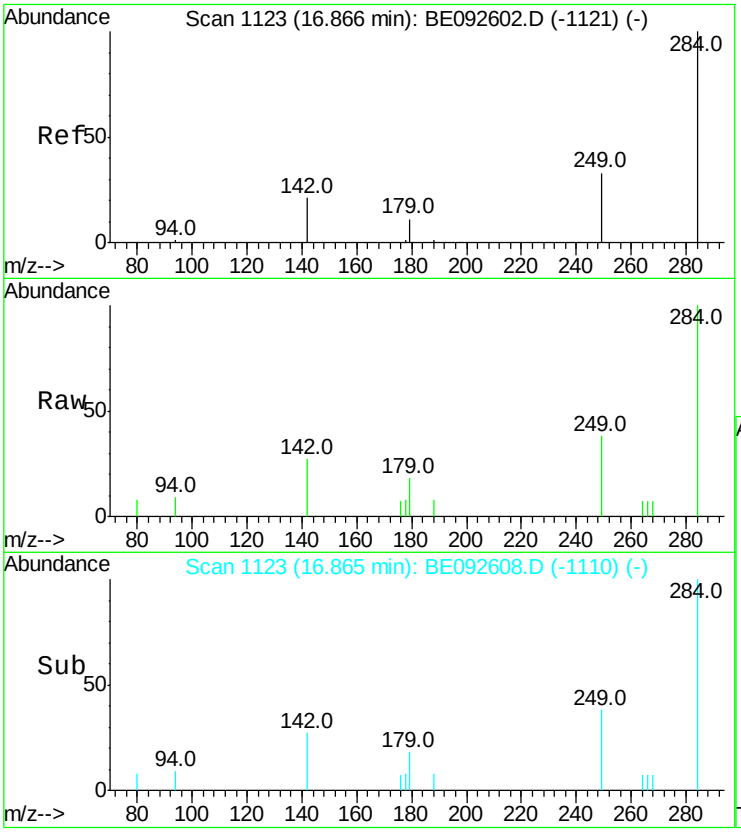


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:188 Resp: 65655

Ion	Ratio	Lower	Upper
188	100		
94	3.8	3.2	4.8
80	3.4	2.6	3.8





#19
Hexachlorobenzene
Concen: 0.39 ng m
RT: 16.87 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:284 Resp: 1082

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	46.5	27.9	41.9#

Instrument :
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ClientSampleId :
ICVBE121916

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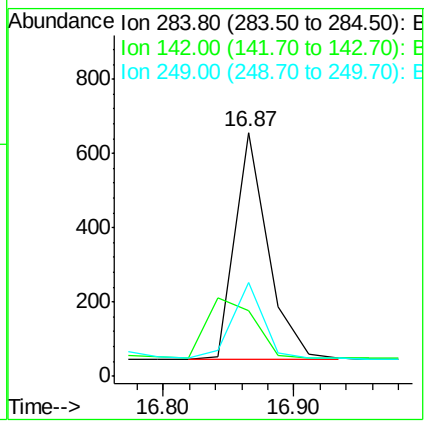
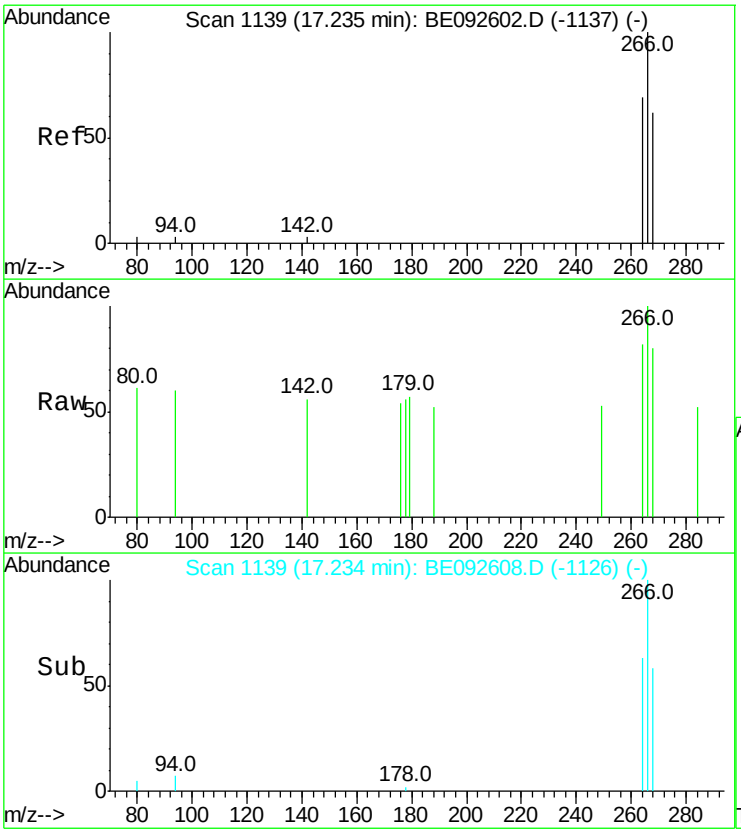
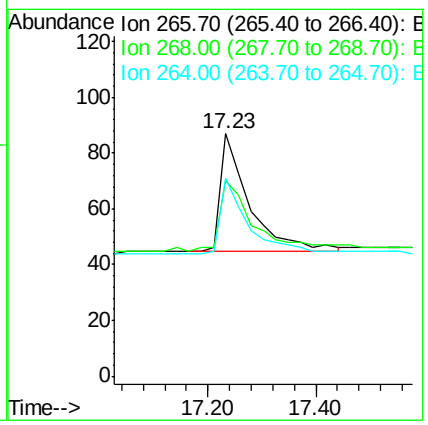


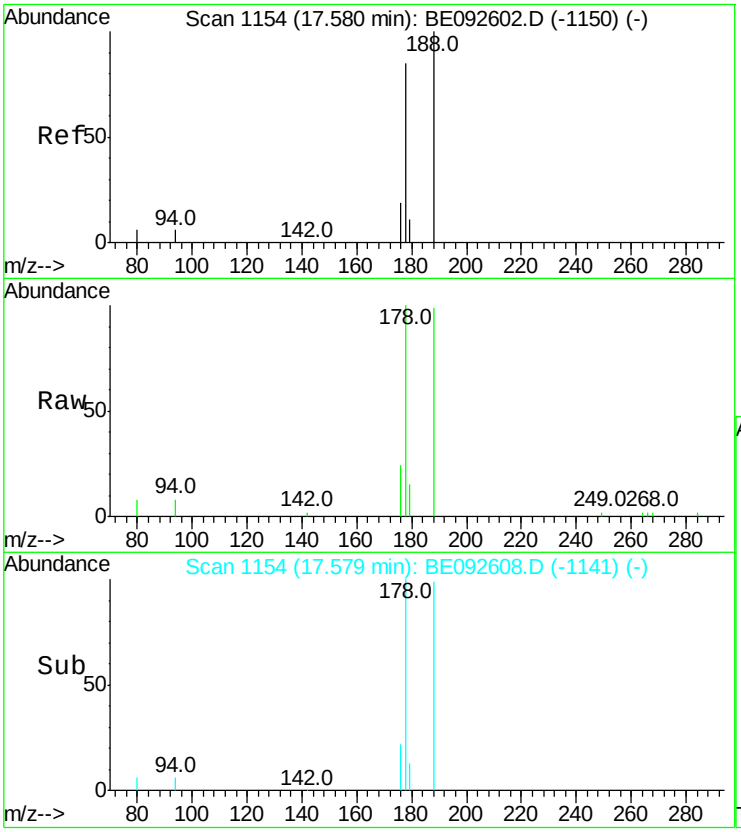


#20
Pentachlorophenol
Concen: 0.42 ng
RT: 17.23 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:266 Resp: 152

Ion	Ratio	Lower	Upper
266	100		
268	80.5	62.5	93.7
264	81.6	57.2	85.8

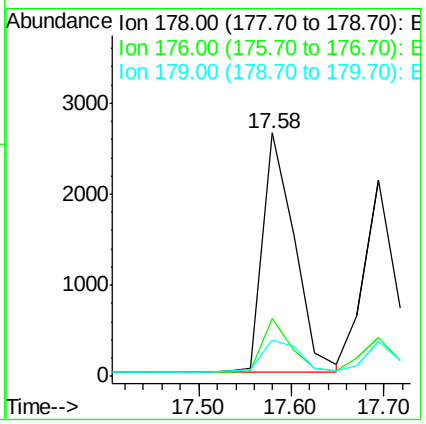




#21
Phenanthrene
Concen: 0.37 ng
RT: 17.58 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:178 Resp: 6166

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.8
179	16.1	16.0	24.0



Instrument :
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ClientSampleId :
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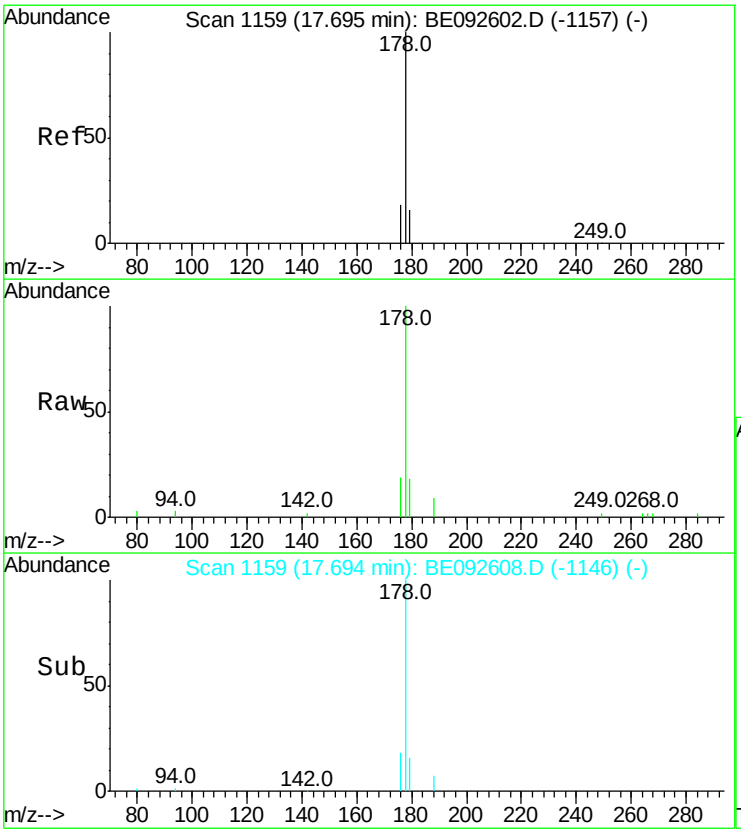
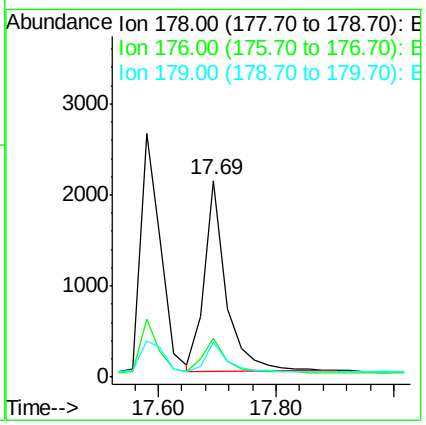
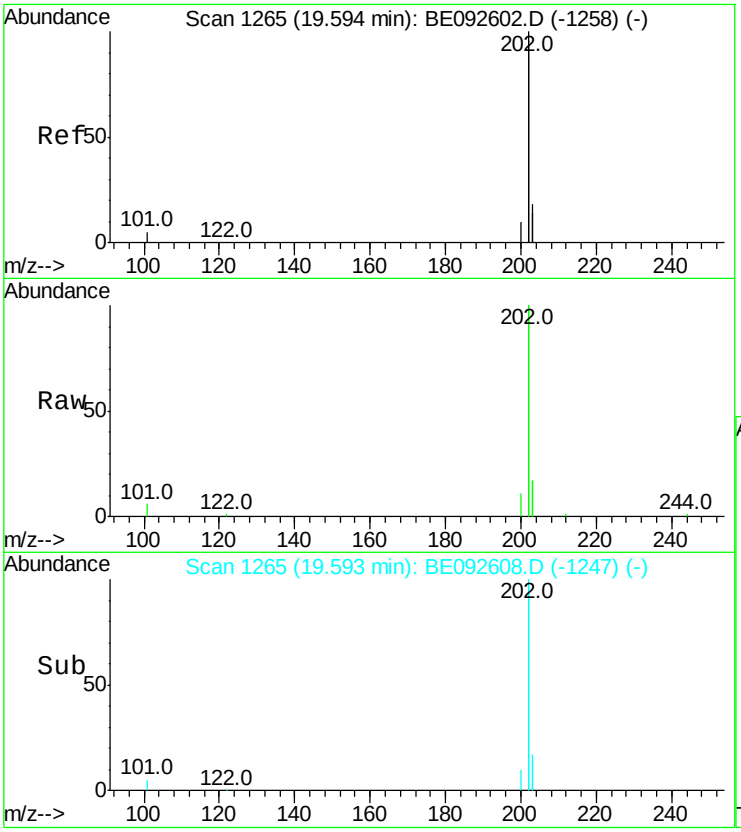


#22
Anthracene
Concen: 0.36 ng
RT: 17.69 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:178 Resp: 5421

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	16.0	12.2	18.2

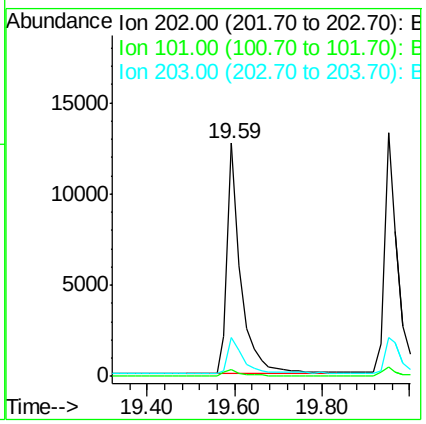




#23
Fluoranthene
Concen: 0.37 ng
RT: 19.59 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:202 Resp: 26779

Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.2	13.7	20.5



Instrument :
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ClientSampleId :
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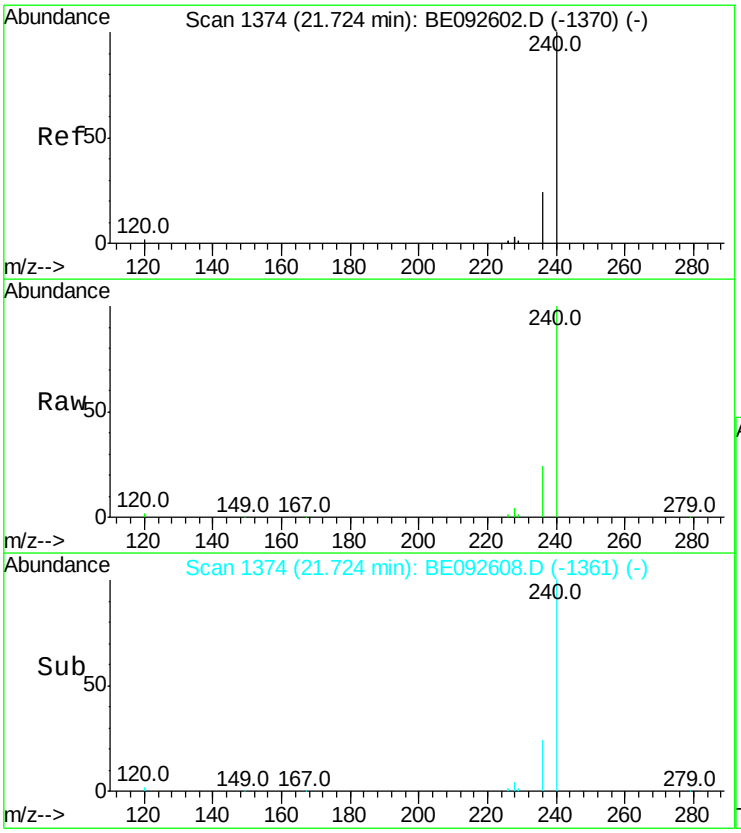
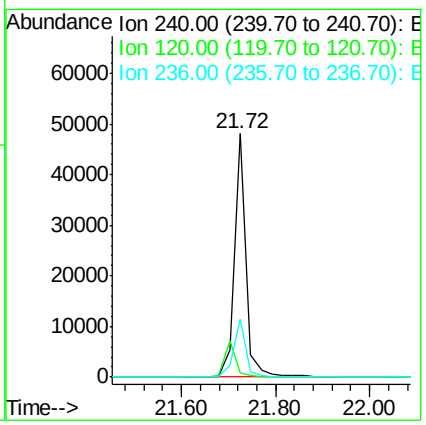
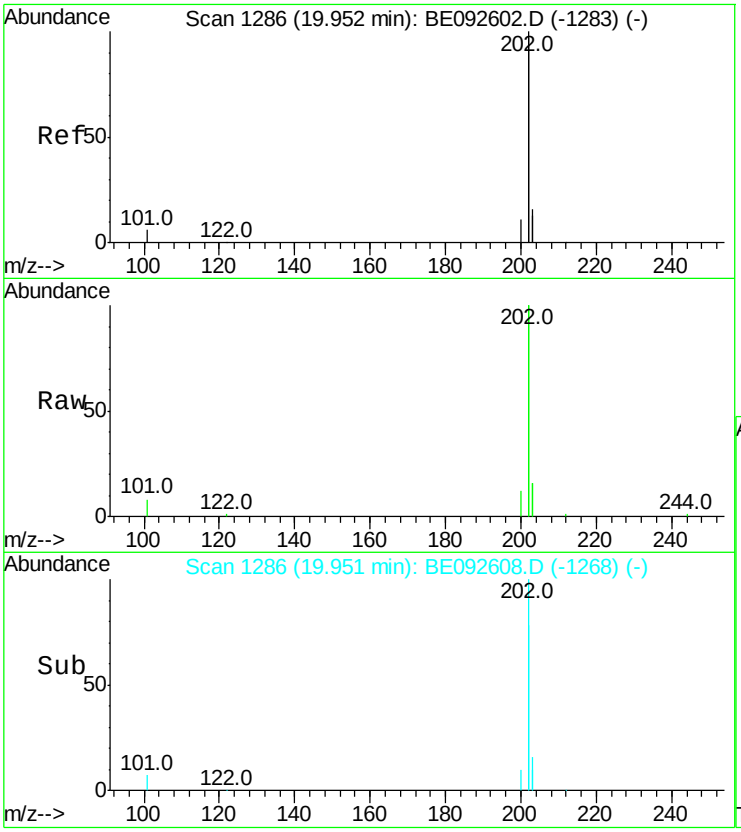


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:240 Resp: 82370

Ion	Ratio	Lower	Upper
240	100		
120	1.7	2.6	4.0#
236	23.7	24.6	37.0#

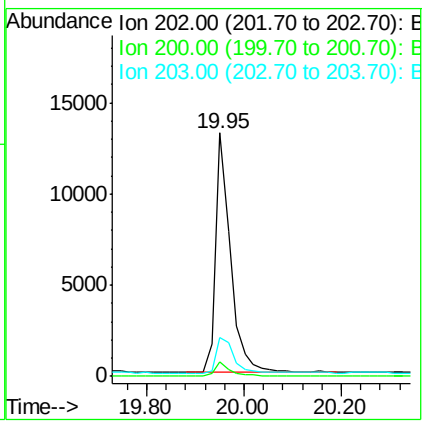




#25
Pyrene
Concen: 0.38 ng
RT: 19.95 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:202 Resp: 27848

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	17.3	13.9	20.9



Instrument :
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ClientSampleId :
ICVBE121916

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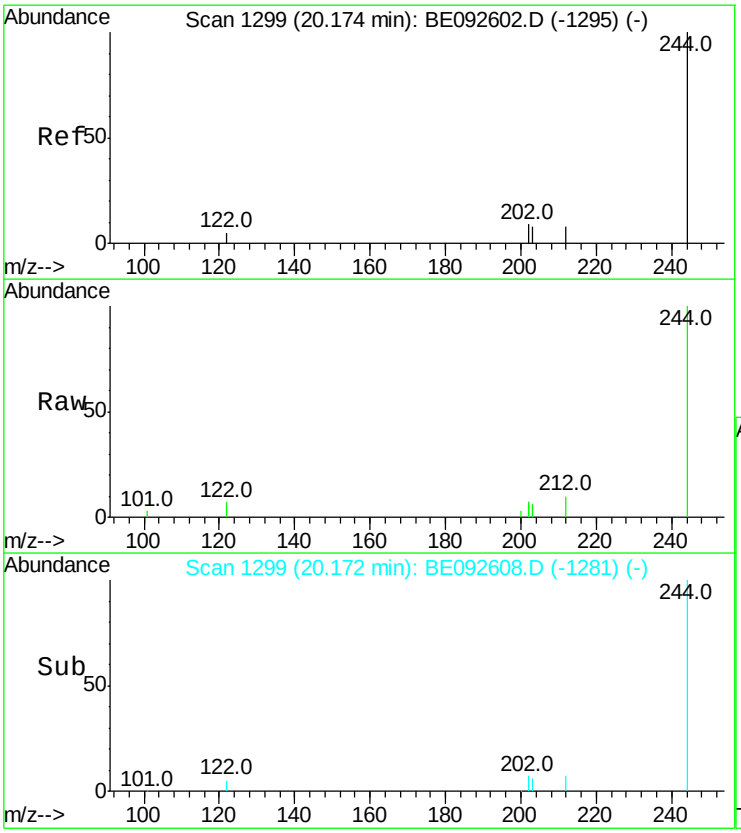
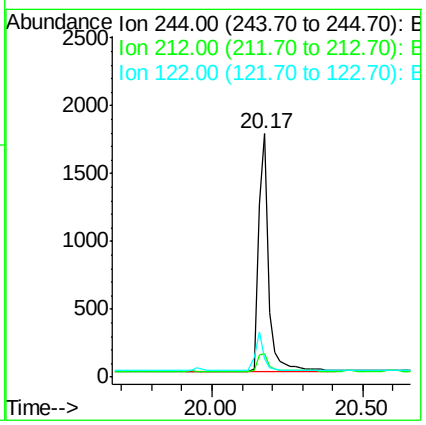
12/20/2016 6:33:42 PM

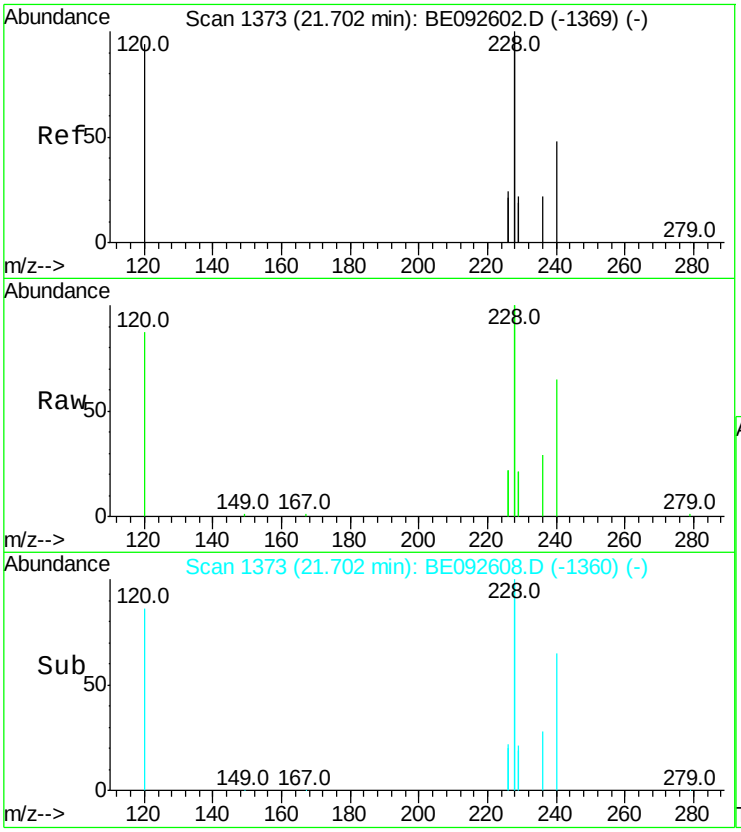


#26
Terphenyl-d14
Concen: 0.39 ng
RT: 20.17 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:244 Resp: 3952

Ion	Ratio	Lower	Upper
244	100		
212	9.6	6.7	10.1
122	7.4	3.6	5.4#





#27
Benzo(a)anthracene
Concen: 0.39 ng
RT: 21.70 min Scan# 1373
Delta R.T. 0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:228 Resp: 28526

Ion	Ratio	Lower	Upper
228	100		
226	22.5	23.6	35.4#
229	21.5	13.3	19.9#

Instrument :
BNA_E
ClientSampleId :
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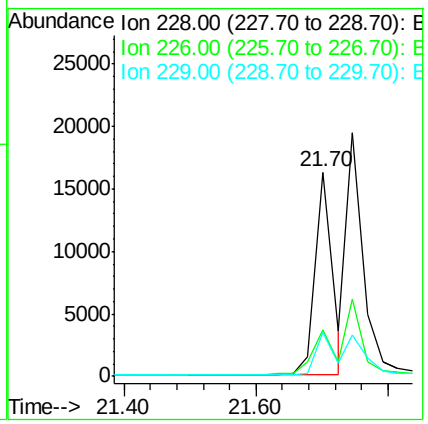
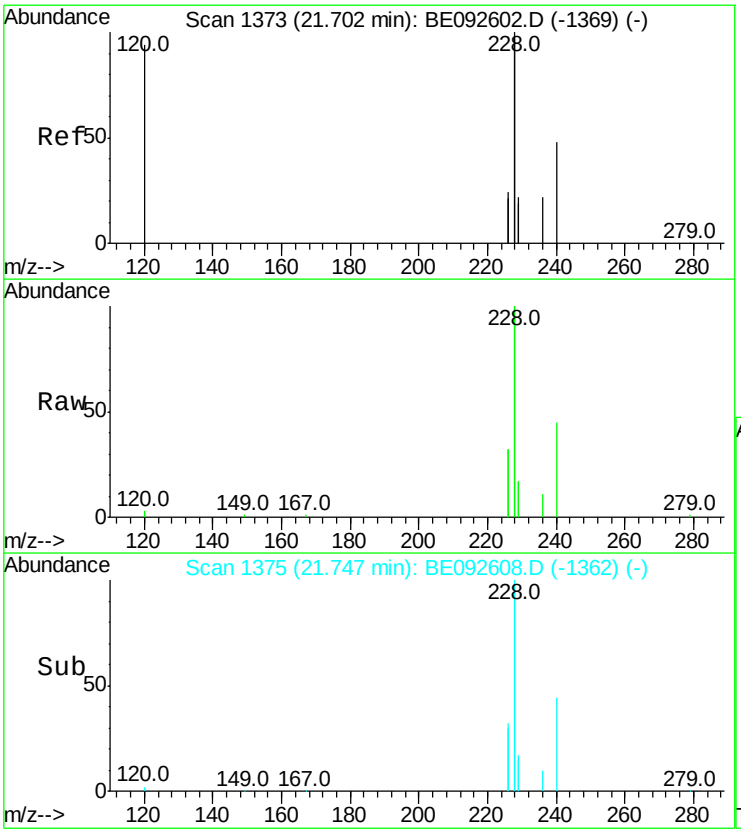
12/20/2016 6:33:42 PM

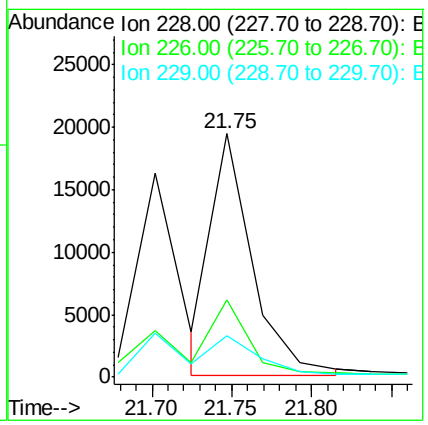


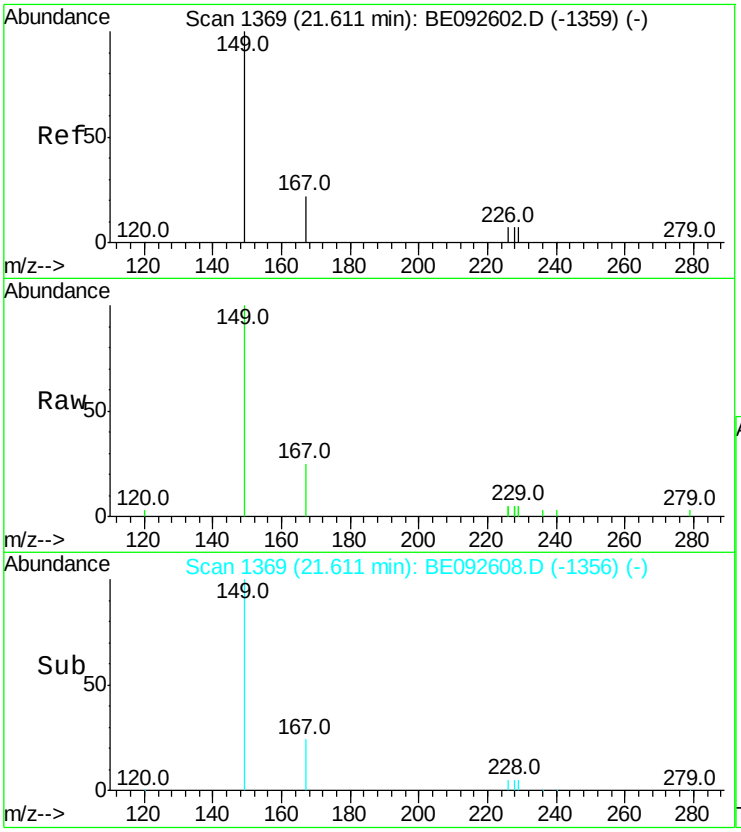


#28
Chrysene
Concen: 0.41 ng m
RT: 21.75 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:228 Resp: 34873

Ion	Ratio	Lower	Upper
228	100		
226	31.5	36.3	54.5#
229	17.2	10.6	16.0#





#29
Bis(2-ethylhexyl)phthalate
Concen: 0.41 ng
RT: 21.61 min Scan# 1369
Delta R.T. 0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:149 Resp: 2540

Ion	Ratio	Lower	Upper
149	100		
167	23.7	16.0	24.0
279	0.0	16.0	24.0#

Instrument :
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ClientSampleId :
ICVBE121916

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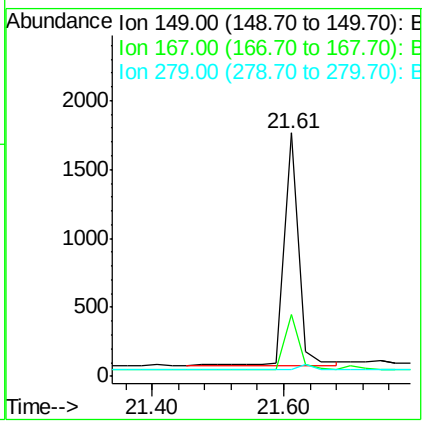
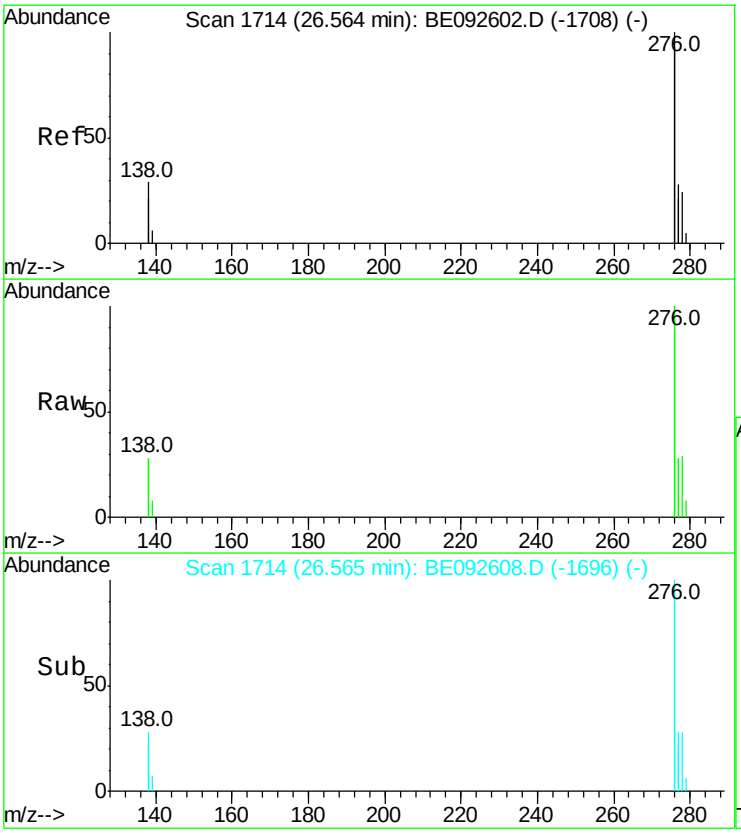
12/20/2016 6:33:42 PM

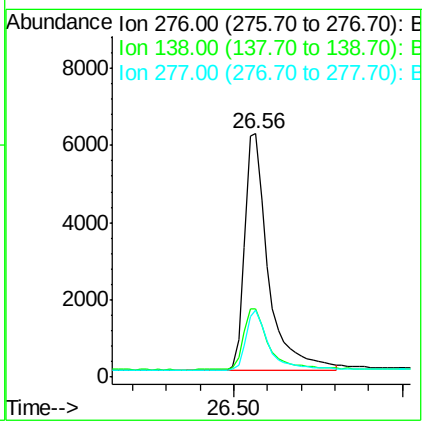


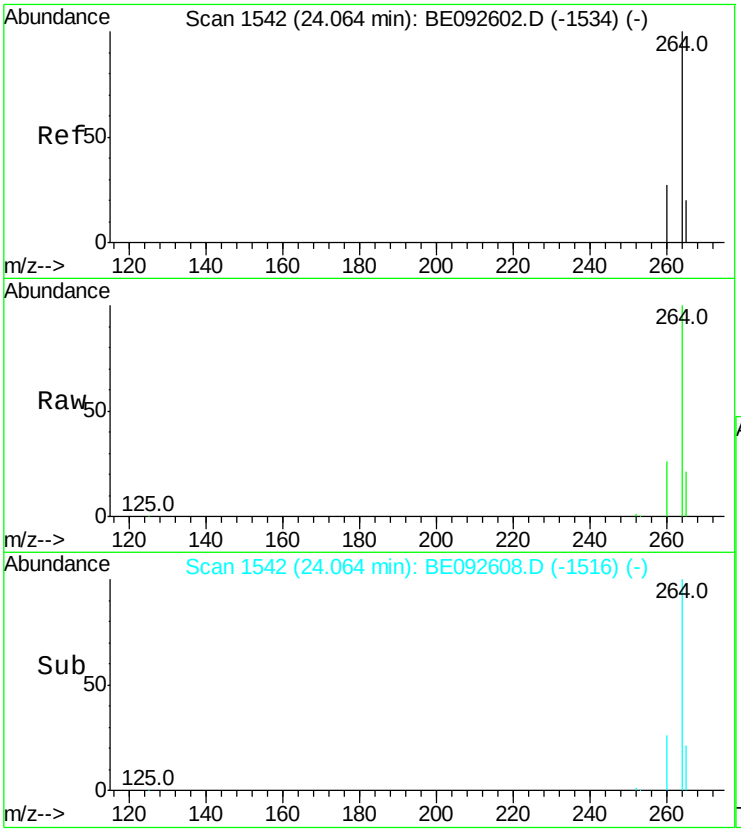


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.39 ng
RT: 26.56 min Scan# 1714
Delta R.T. 0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:276 Resp: 29916

Ion	Ratio	Lower	Upper
276	100		
138	27.8	20.3	30.5
277	24.7	19.7	29.5

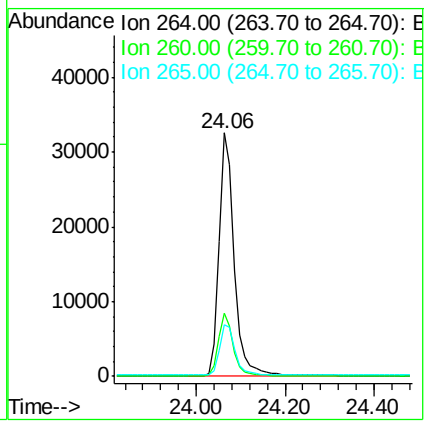




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.06 min Scan# 1542
Delta R.T. -0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:264 Resp: 77465

Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.1	30.1
265	21.1	17.9	26.9



Instrument :
BNA_E
ClientSampleId :
ICVBE121916

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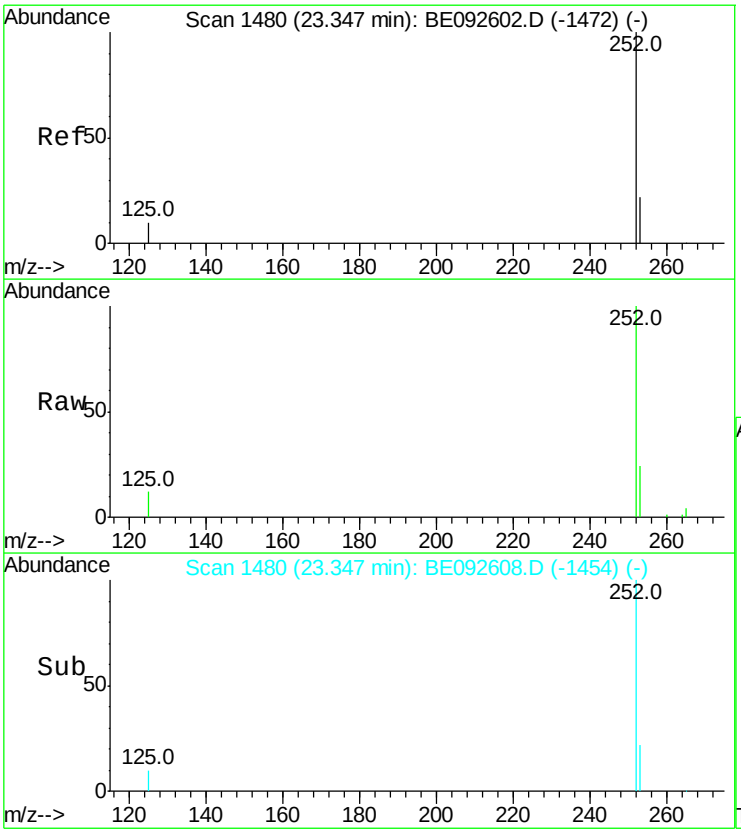
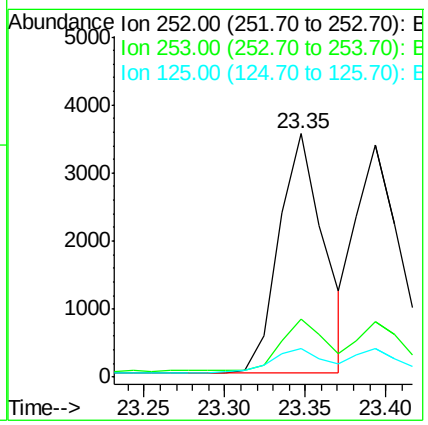
12/20/2016 6:33:42 PM

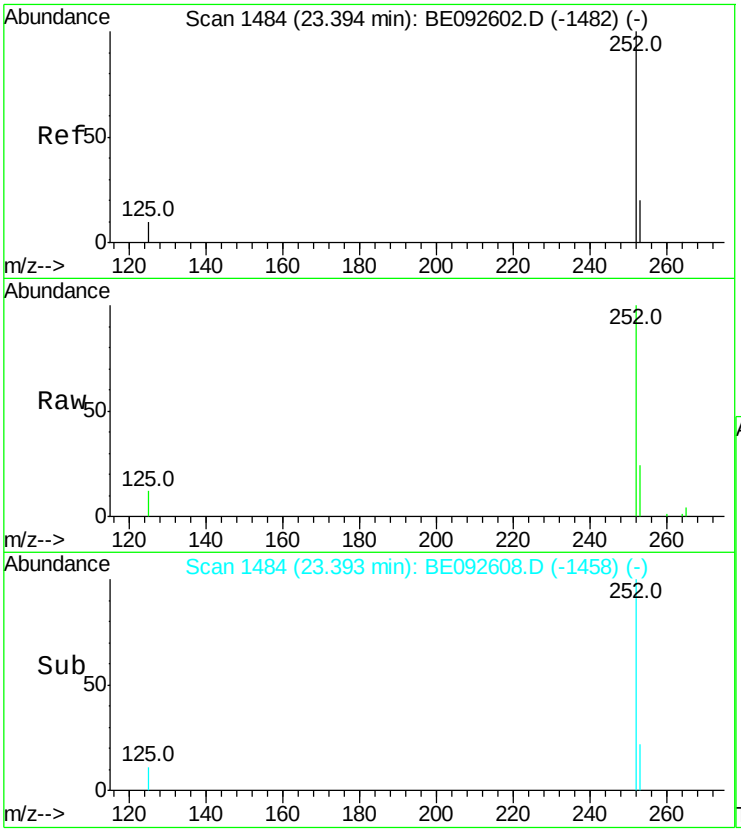


#32
Benzo(b)fluoranthene
Concen: 0.38 ng
RT: 23.35 min Scan# 1480
Delta R.T. -0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:252 Resp: 6823

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.7	28.1
125	11.9	10.5	15.7

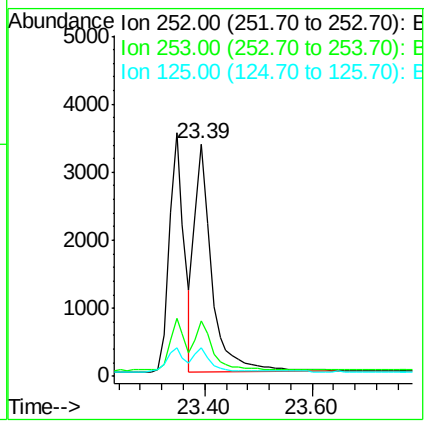




#33
Benzo(k)fluoranthene
Concen: 0.37 ng
RT: 23.39 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:252 Resp: 7348

Ion	Ratio	Lower	Upper
252	100		
253	23.9	20.3	30.5
125	12.5	9.6	14.4



Instrument :
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ClientSampleId :
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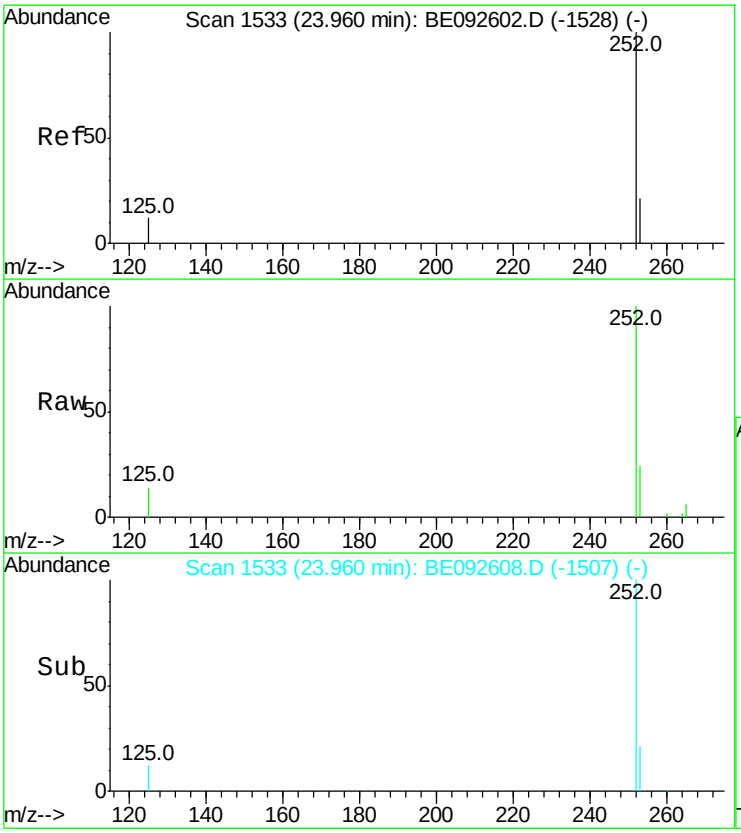
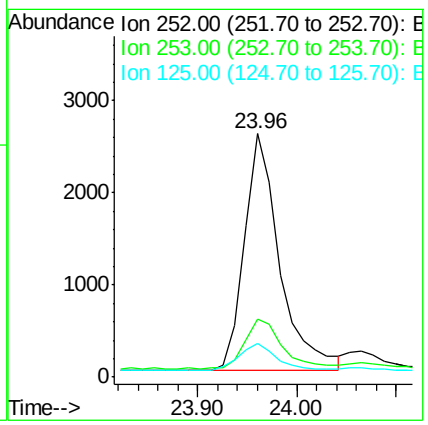
12/20/2016 6:33:42 PM

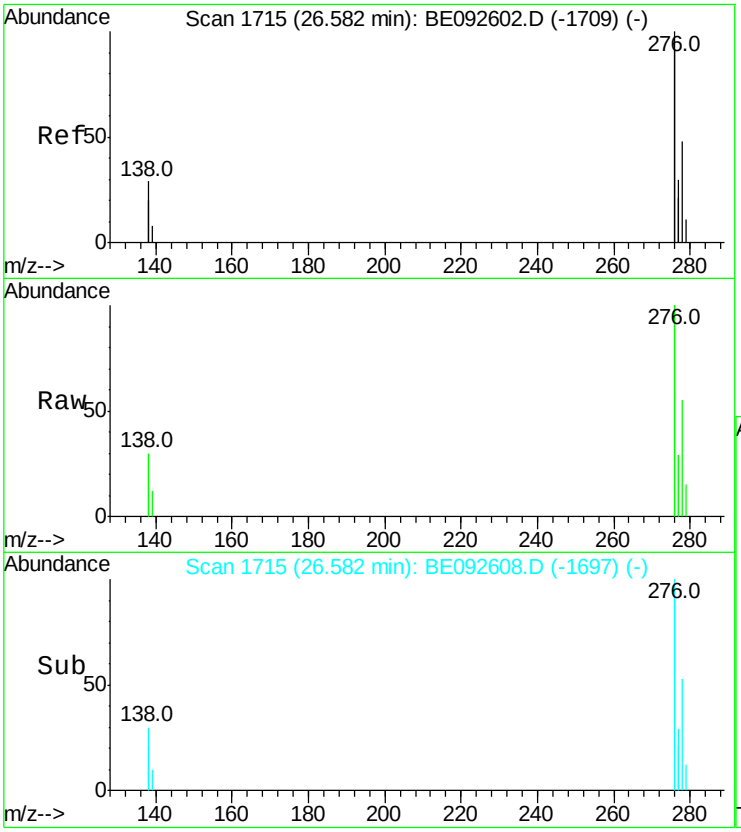


#34
Benzo(a)pyrene
Concen: 0.37 ng
RT: 23.96 min Scan# 1533
Delta R.T. -0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:252 Resp: 6374

Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.0	28.6
125	14.0	11.8	17.8

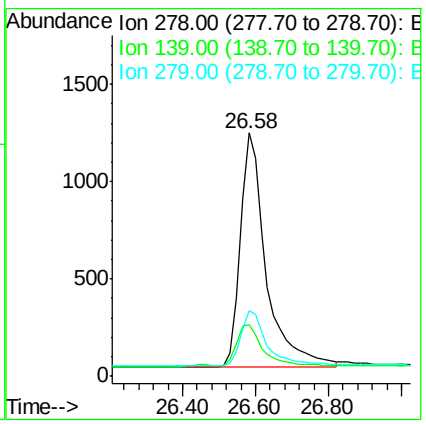




#35
Dibenzo(a,h)anthracene
Concen: 0.36 ng
RT: 26.58 min Scan# 1715
Delta R.T. 0.00 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:278 Resp: 5941

Ion	Ratio	Lower	Upper
278	100		
139	21.4	13.8	20.8#
279	27.0	21.4	32.2



Instrument :
BNA_E
ClientSampleId :
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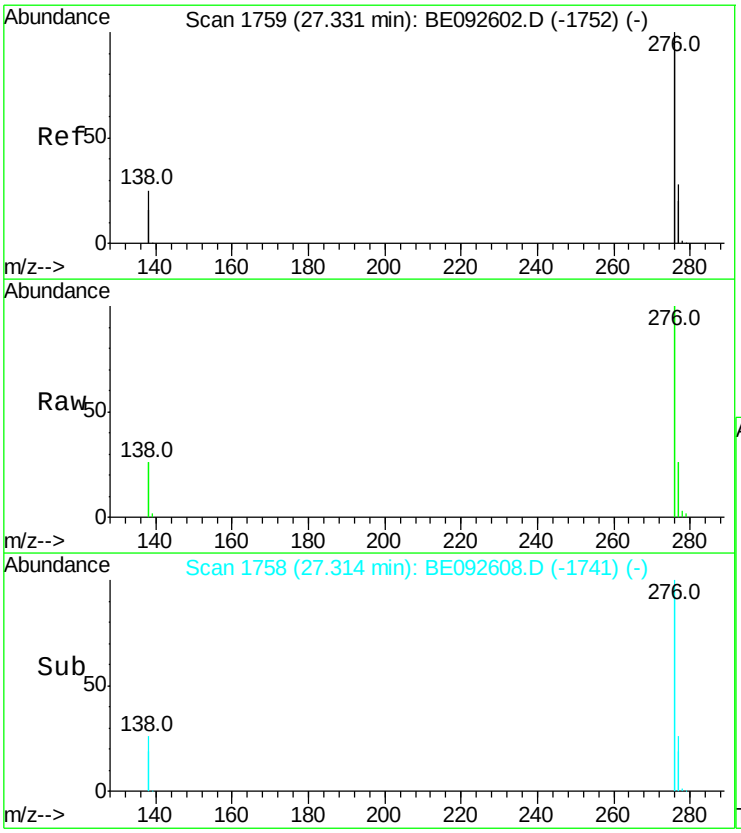
12/20/2016 6:33:42 PM



#36
Benzo(g,h,i)perylene
Concen: 0.38 ng
RT: 27.31 min Scan# 1758
Delta R.T. -0.02 min
Lab File: BE092608.D
Acq: 19 Dec 2016 15:18

Tgt Ion:276 Resp: 26323

Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.8	29.8
138	25.8	19.8	29.6