Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE090916\
Data File : BE092358.D
Acq On : 9 Sep 2016 17:11
Operator : UM/SJ
Sample : PB93313BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB93313BS

Manual Integrations APPROVED
sohil
9/12/2016 1:42:29 PM

Quant Time: Sep 09 18:05:46 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 02 19:34:51 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	11923	5.00	ng		-0.02
7) Naphthalene-d8	10.95	136	53145	5.00	ng		0.00
12) Acenaphthene-d10	14.82	164	28340	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	56990	5.00	ng		0.00
24) Chrysene-d12	21.75	240	56050	5.00	ng		0.00
31) Perylene-d12	24.10	264	52801	5.00	ng		0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.68	112	23703	8.36	ng		0.00
5) Phenol-d6	7.34	99	32371	8.56	ng		-0.02
8) Nitrobenzene-d5	9.34	82	14666	3.84	ng		-0.02
13) 2,4,6-Tribromophenol	16.31	330	6974	7.94	ng		-0.01
14) 2-Fluorobiphenyl	13.43	172	32300	3.71	ng		-0.01
26) Terphenyl-d14	20.17	244	34901	4.21	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.42	88	4840	3.29	ng	#	85
3) n-Nitrosodimethylamine	3.77	42	7332	3.88	ng	#	99
6) bis(2-Chloroethyl)ether	7.59	93	12601	3.49	ng		92
9) Naphthalene	11.01	128	39377	3.31	ng	#	94
10) Hexachlorobutadiene	11.30	225	6111	3.29	ng		100
11) 2-Methylnaphthalene	12.62	142	27051	3.47	ng		94
15) Acenaphthylene	14.53	152	165918	3.40	ng		100
16) Acenaphthene	14.88	154	25031	3.17	ng		95
17) Fluorene	15.86	166	31468	3.18	ng		99
19) Hexachlorobenzene	16.89	284	9209	3.37	ng	#	63
20) Pentachlorophenol	17.23	266	6485	5.28	ng		86
21) Phenanthrene	17.60	178	54079	3.38	ng	#	94
22) Anthracene	17.70	178	51401	3.61	ng		99
23) Fluoranthene	19.59	202	208587	2.98	ng		99
25) Pyrene	19.97	202	214477	3.93	ng		99
27) Benzo(a)anthracene	21.72	228	189661	3.14	ng	#	78
28) Chrysene	21.77	228	216260m	3.84	ng		
29) Bis(2-ethylhexyl)phthalate	21.63	149	29051	3.74	ng	#	74
30) Indeno(1,2,3-cd)pyrene	26.58	276	229404	3.60	ng		98
32) Benzo(b)fluoranthene	23.37	252	48972	3.61	ng	#	96
33) Benzo(k)fluoranthene	23.42	252	47061	3.28	ng		94
34) Benzo(a)pyrene	24.00	252	46370	3.47	ng	#	95
35) Dibenzo(a,h)anthracene	26.62	278	48396	3.92	ng	#	94
36) Benzo(g,h,i)perylene	27.35	276	199281	3.83	ng		98

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE090916\
Data File : BE092358.D
Acq On : 9 Sep 2016 17:11
Operator : UM/SJ
Sample : PB93313BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 09 18:05:46 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 02 19:34:51 2016
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
PB93313BS

Manual Integrations APPROVED
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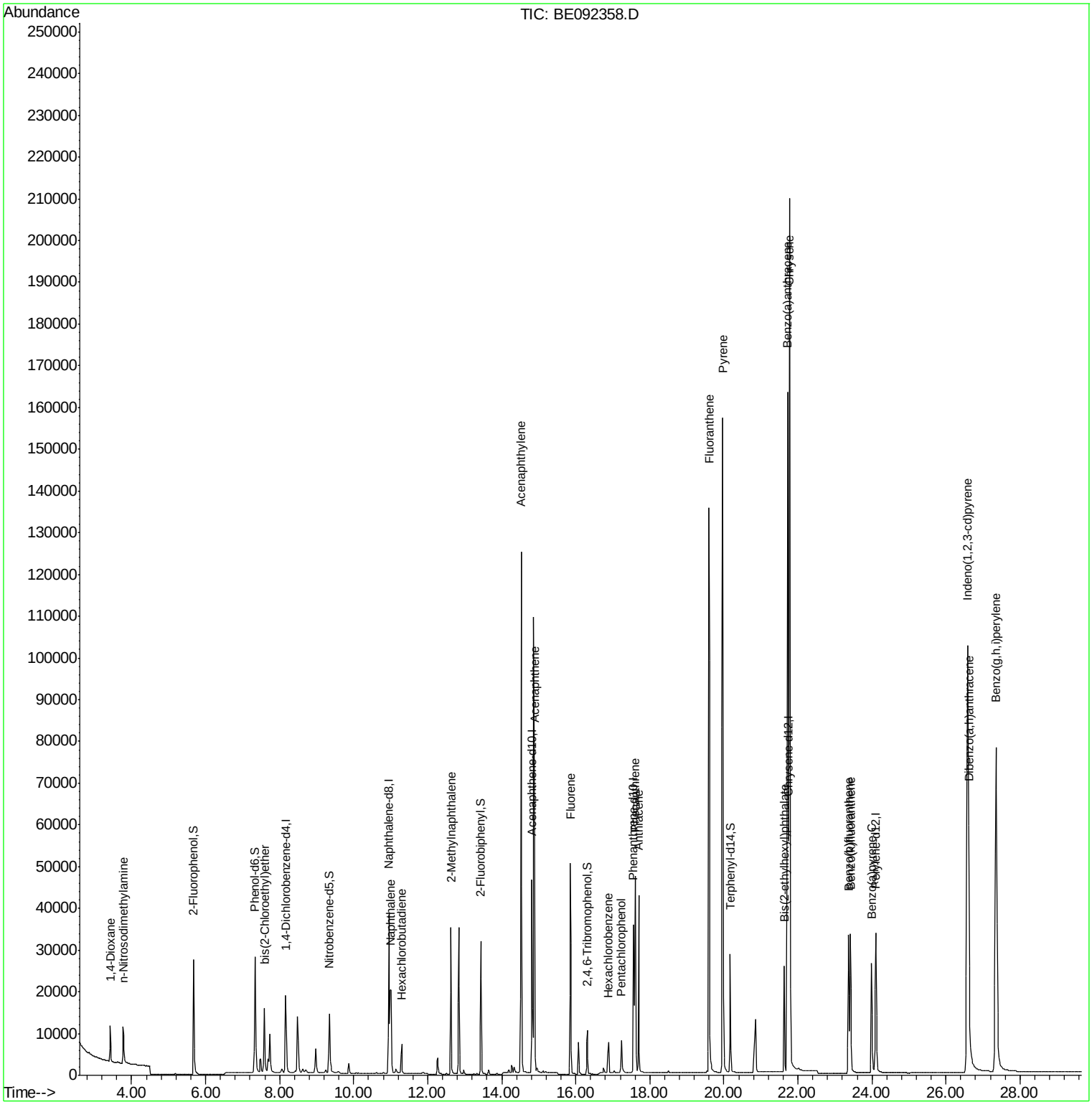
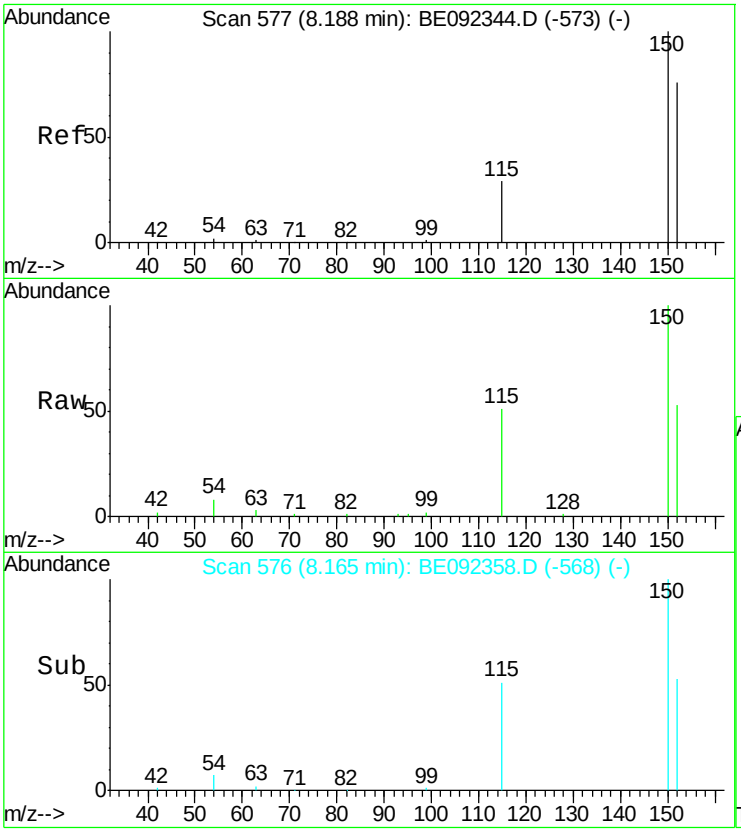
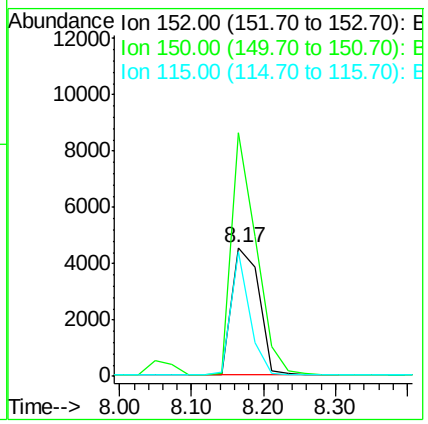




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.17 min Scan# 576
Delta R.T. -0.02 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:152 Resp: 11923

Ion	Ratio	Lower	Upper
152	100		
150	189.5	106.0	159.0#
115	96.7	31.2	46.8#



Instrument :
BNA_E
ClientSampleId :
PB93313BS

Manual Integrations APPROVED
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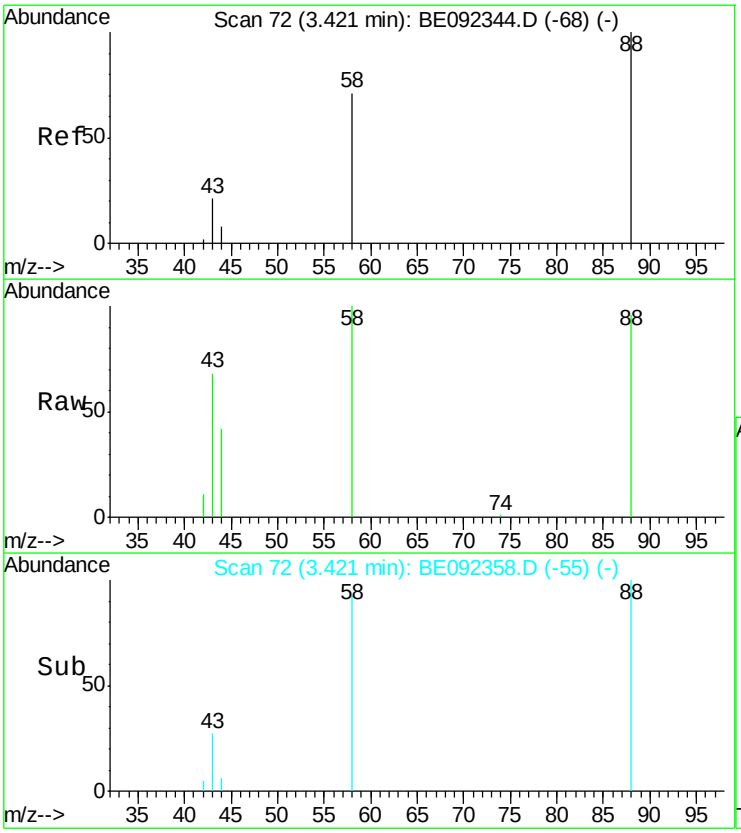
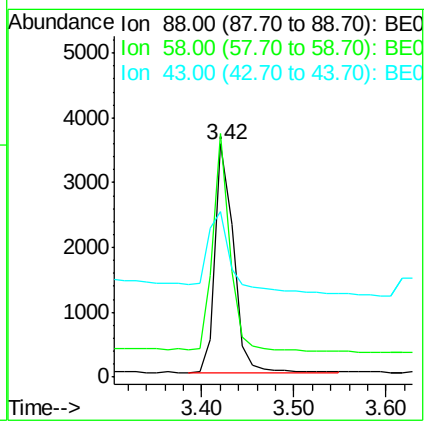
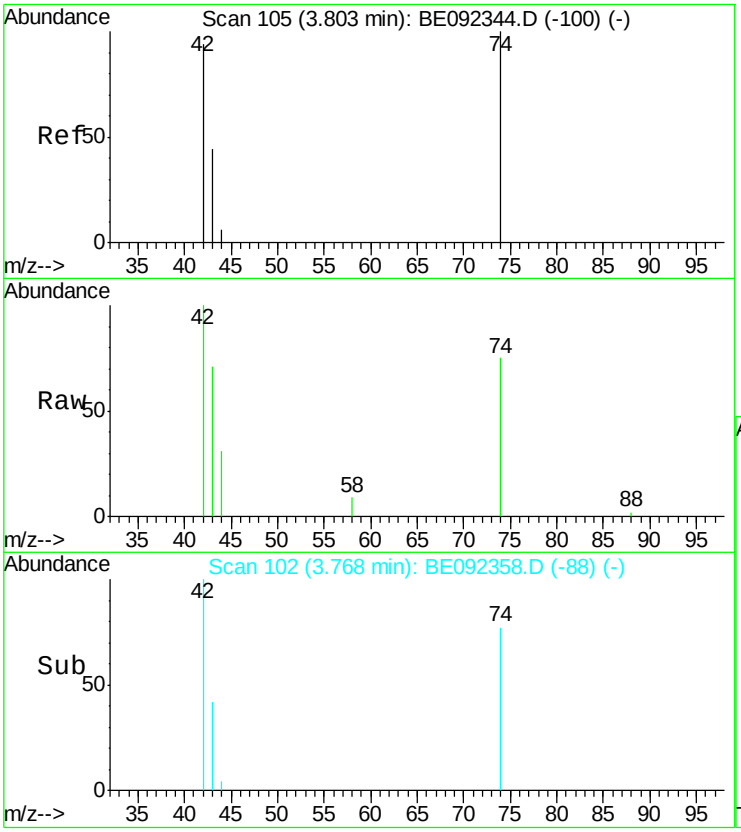


#2
1,4-Dioxane
Concen: 3.29 ng
RT: 3.42 min Scan# 72
Delta R.T. -0.00 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion: 88 Resp: 4840

Ion	Ratio	Lower	Upper
88	100		
58	90.1	63.6	95.4
43	46.9	28.0	42.0#

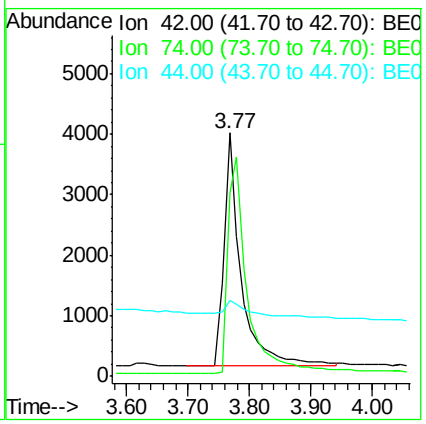




#3
n-Nitrosodimethylamine
Concen: 3.88 ng
RT: 3.77 min Scan# 102
Delta R.T. -0.03 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion: 42 Resp: 7332

Ion	Ratio	Lower	Upper
42	100		
74	107.3	86.0	129.0
44	12.3	5.1	7.7#



Instrument :
BNA_E
ClientSampleId :
PB93313BS

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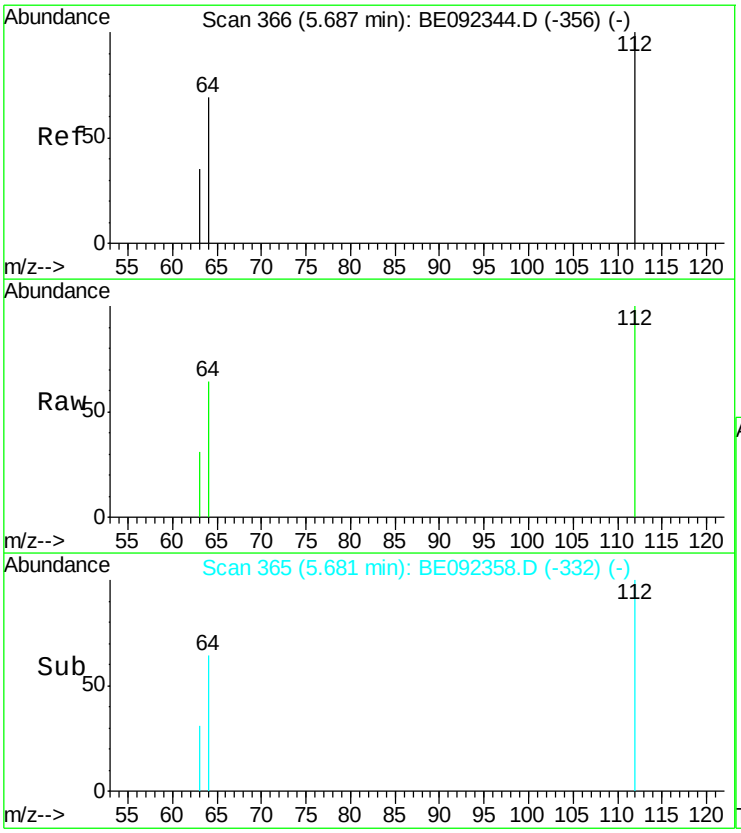
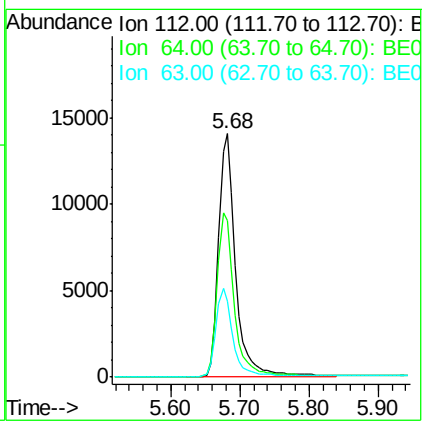
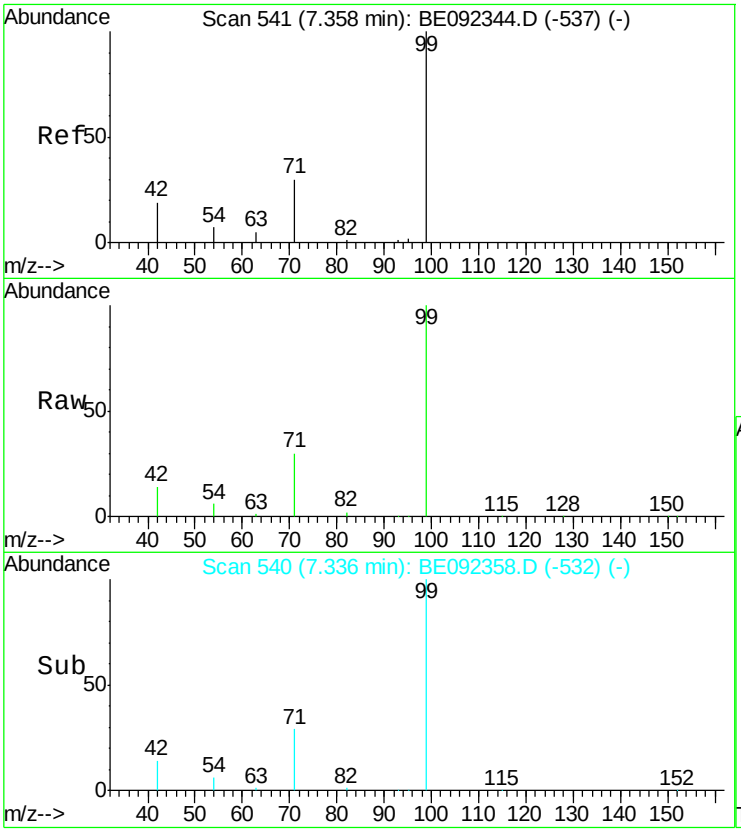


#4
2-Fluorophenol
Concen: 8.36 ng
RT: 5.68 min Scan# 365
Delta R.T. -0.01 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:112 Resp: 23703

Ion	Ratio	Lower	Upper
112	100		
64	67.6	53.5	80.3
63	36.0	27.9	41.9

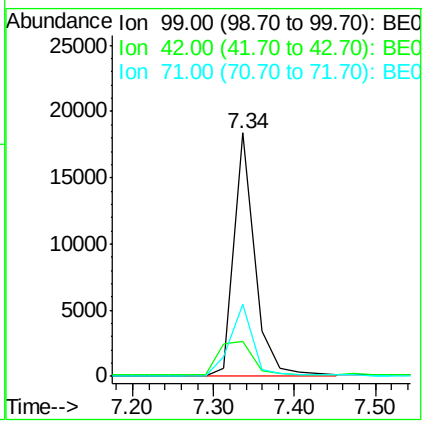




#5
Phenol-d6
Concen: 8.56 ng
RT: 7.34 min Scan# 540
Delta R.T. -0.02 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion: 99 Resp: 32371

Ion	Ratio	Lower	Upper
99	100		
42	23.2	16.0	24.0
71	32.6	30.6	45.8



Instrument :
BNA_E
ClientSampleId :
PB93313BS

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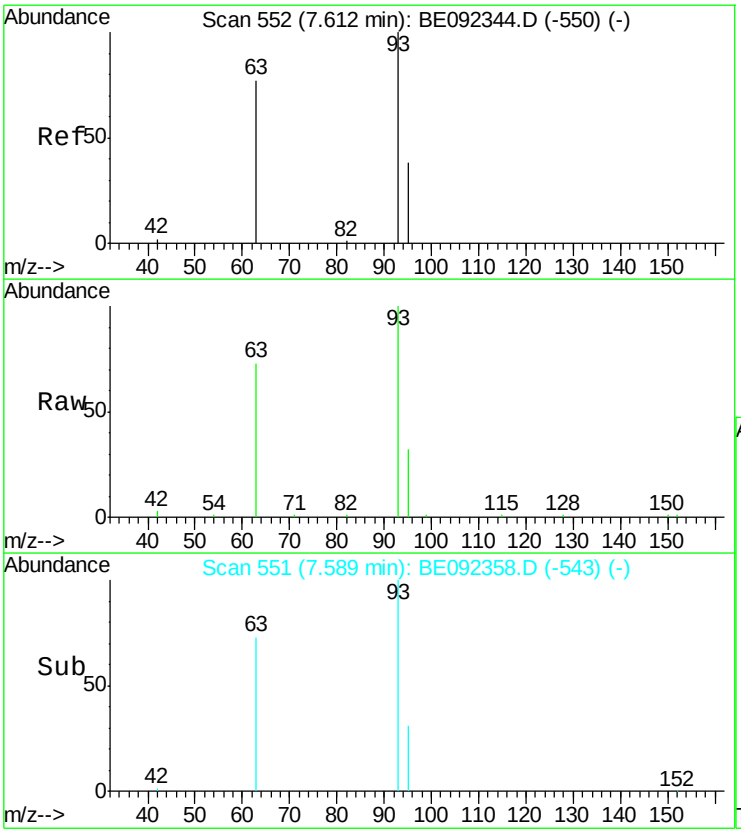
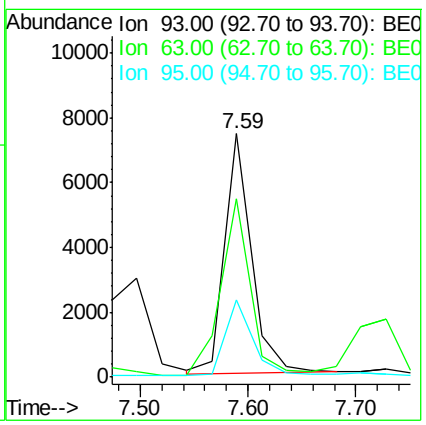
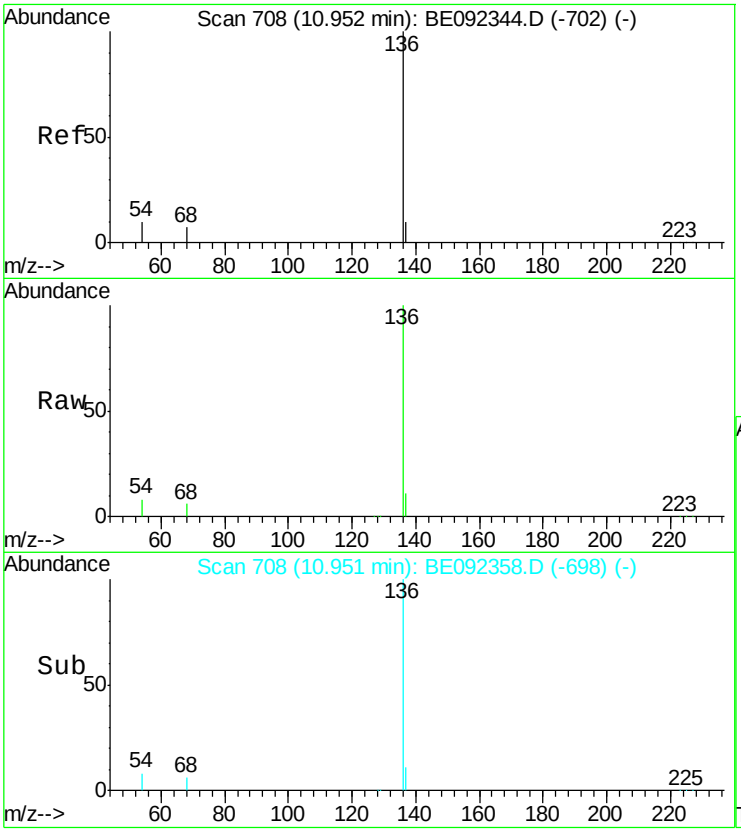


#6
bis(2-Chloroethyl)ether
Concen: 3.49 ng
RT: 7.59 min Scan# 551
Delta R.T. -0.02 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion: 93 Resp: 12601

Ion	Ratio	Lower	Upper
93	100		
63	81.4	71.6	107.4
95	33.3	24.0	36.0

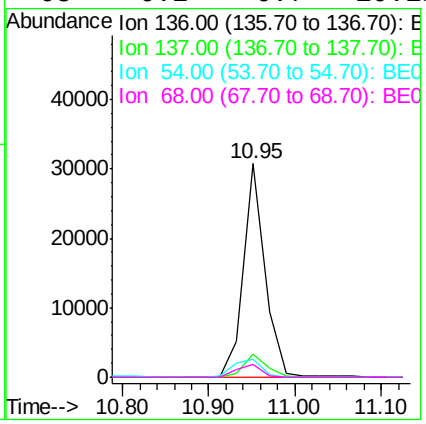




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.95 min Scan# 708
Delta R.T. -0.00 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:136 Resp: 53145

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.2	12.4
54	8.4	9.6	14.4#
68	6.2	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
PB93313BS

Manual Integrations APPROVED
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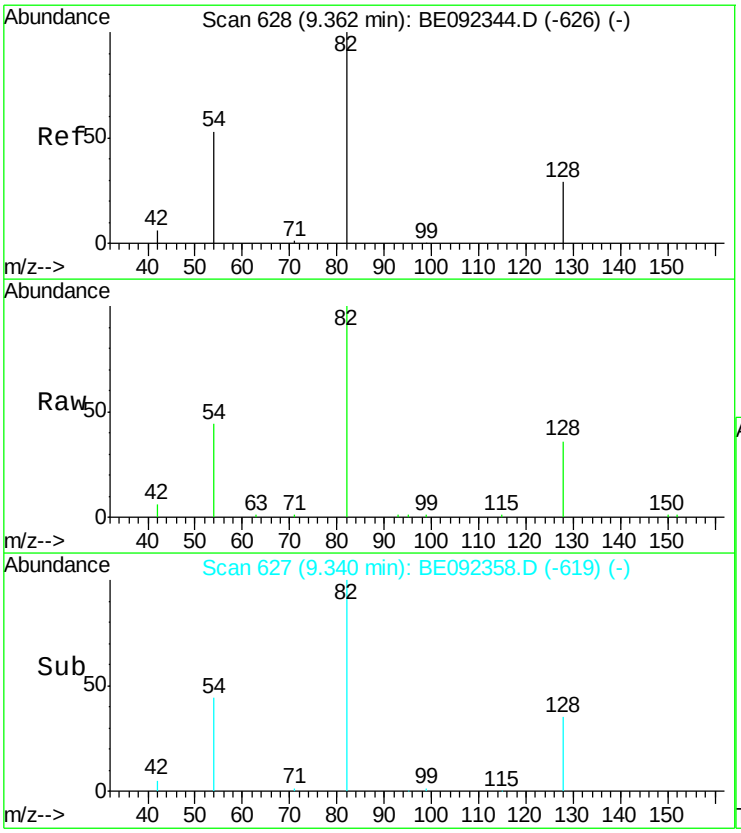
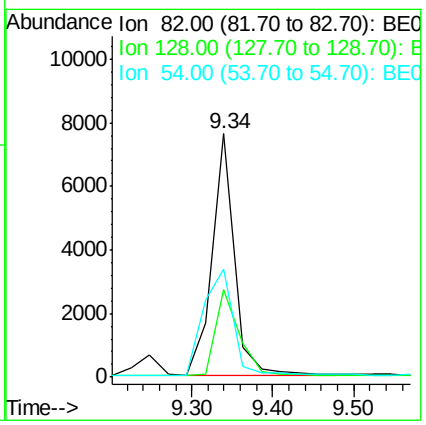
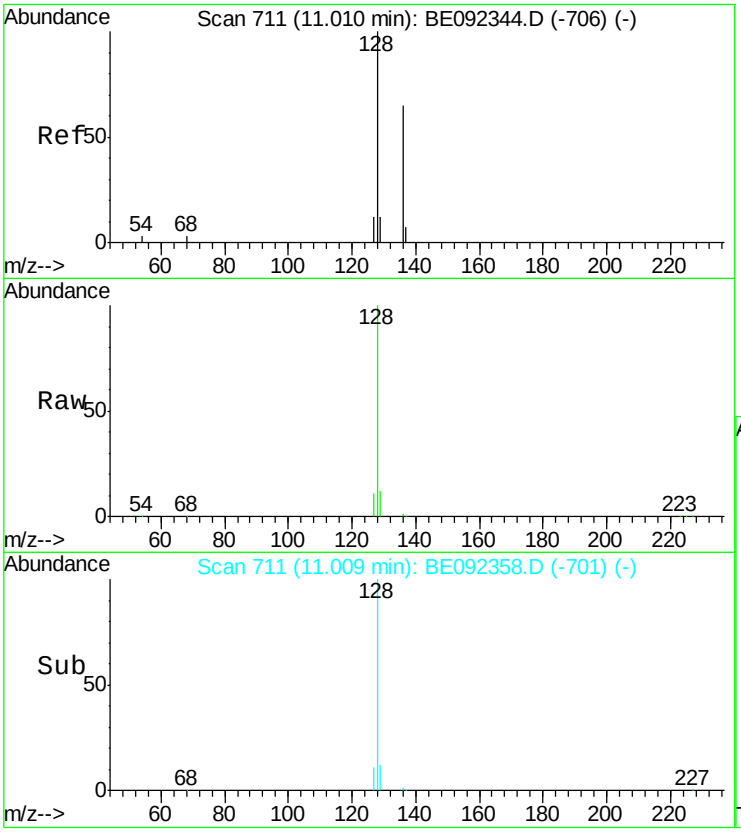


#8
Nitrobenzene-d5
Concen: 3.84 ng
RT: 9.34 min Scan# 627
Delta R.T. -0.02 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion: 82 Resp: 14666

Ion	Ratio	Lower	Upper
82	100		
128	35.8	39.0	58.4#
54	44.4	44.8	67.2#

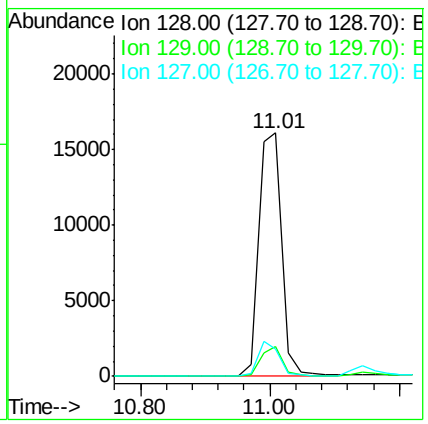




#9
Naphthalene
Concen: 3.31 ng
RT: 11.01 min Scan# 711
Delta R.T. -0.00 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:128 Resp: 39377

Ion	Ratio	Lower	Upper
128	100		
129	12.3	11.2	16.8
127	11.4	11.6	17.4#



Instrument :
BNA_E
ClientSampleId :
PB93313BS

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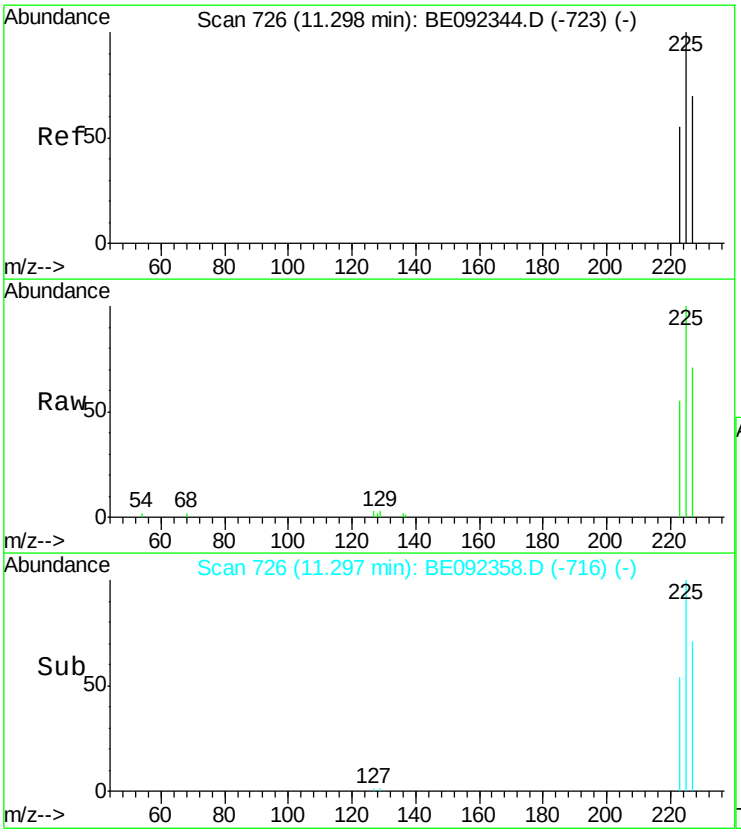
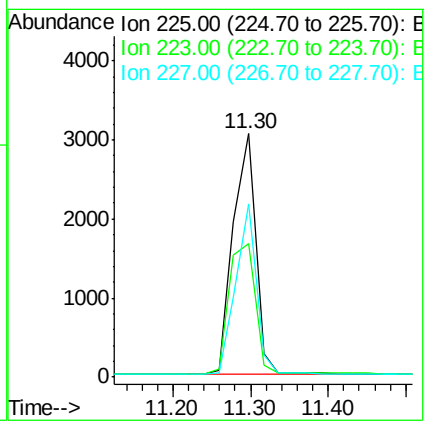
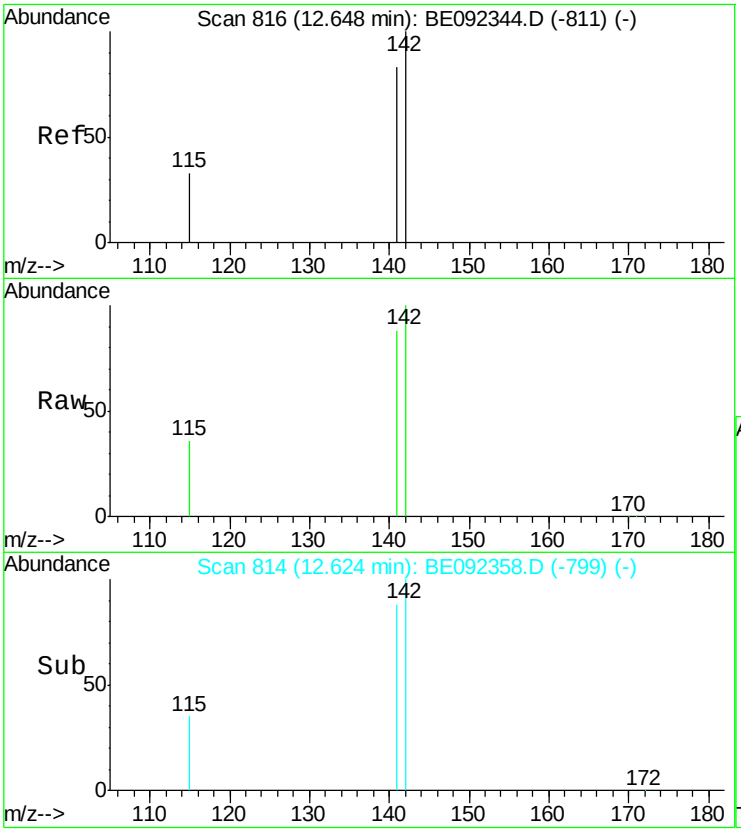


#10
Hexachlorobutadiene
Concen: 3.29 ng
RT: 11.30 min Scan# 726
Delta R.T. -0.00 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:225 Resp: 6111

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.6	76.0
227	64.0	51.4	77.0

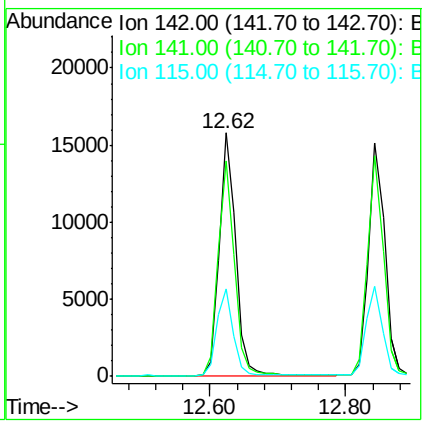




#11
2-Methylnaphthalene
Concen: 3.47 ng
RT: 12.62 min Scan# 814
Delta R.T. -0.02 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:142 Resp: 27051

Ion	Ratio	Lower	Upper
142	100		
141	88.4	73.7	110.5
115	35.7	34.0	51.0



Instrument :
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ClientSampleId :
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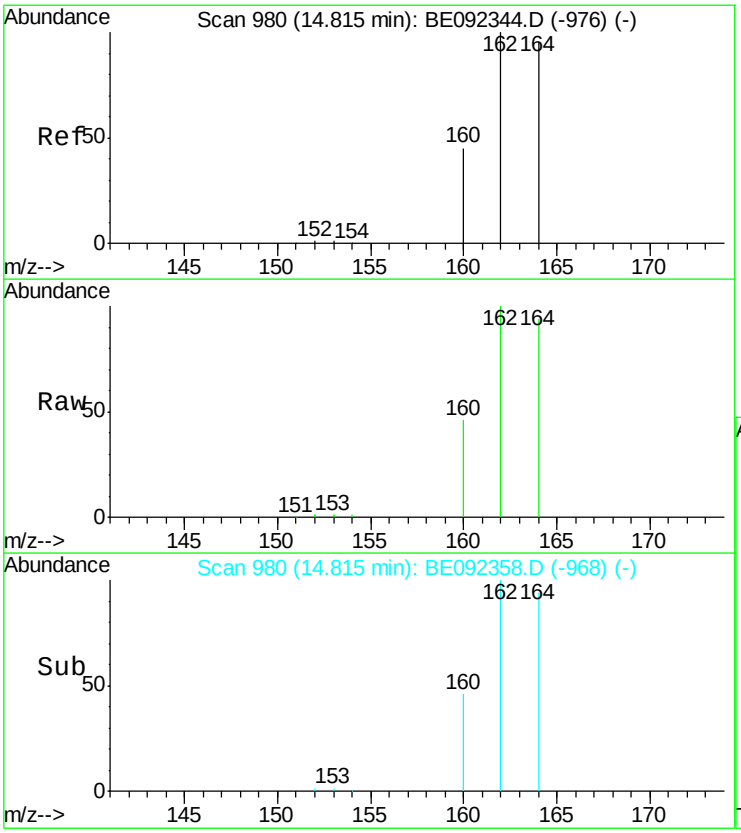
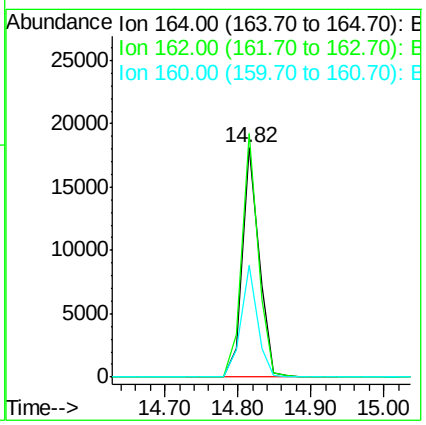
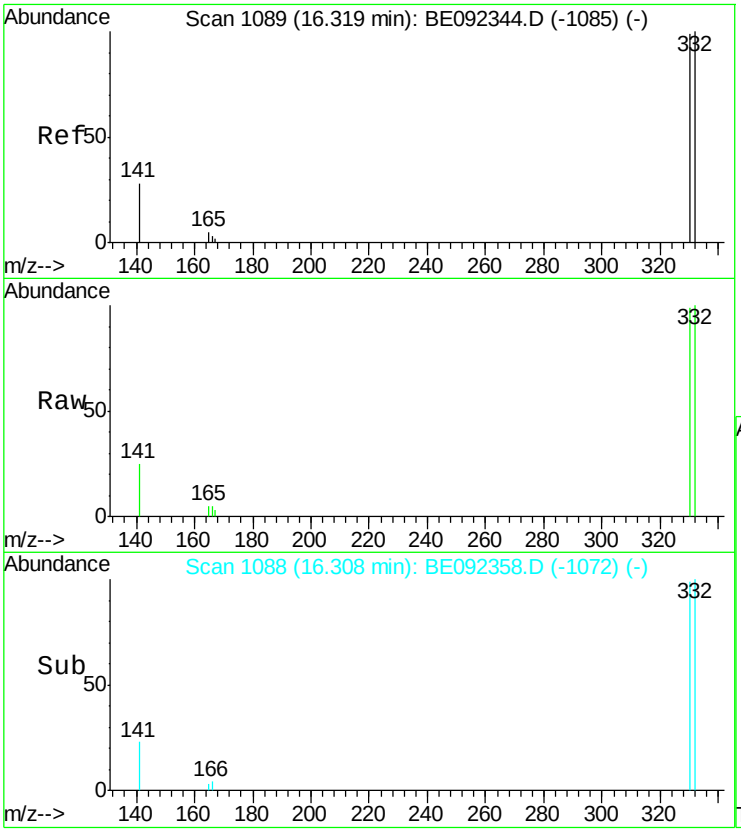


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.82 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:164 Resp: 28340

Ion	Ratio	Lower	Upper
164	100		
162	106.3	71.4	107.0
160	49.0	27.4	41.2#





#13
2,4,6-Tribromophenol
Concen: 7.94 ng
RT: 16.31 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:330 Resp: 6974

Ion	Ratio	Lower	Upper
330	100		
332	96.8	75.4	113.0
141	42.3	31.0	46.6

Instrument :
BNA_E
ClientSampleId :
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Manual Integrations APPROVED
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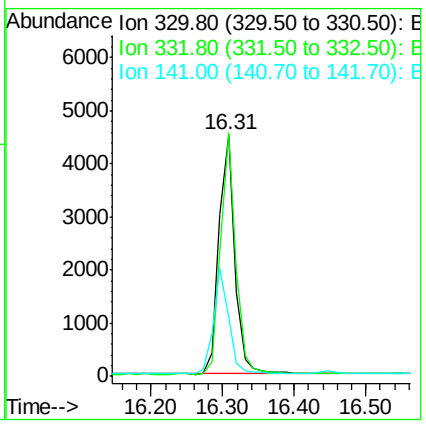
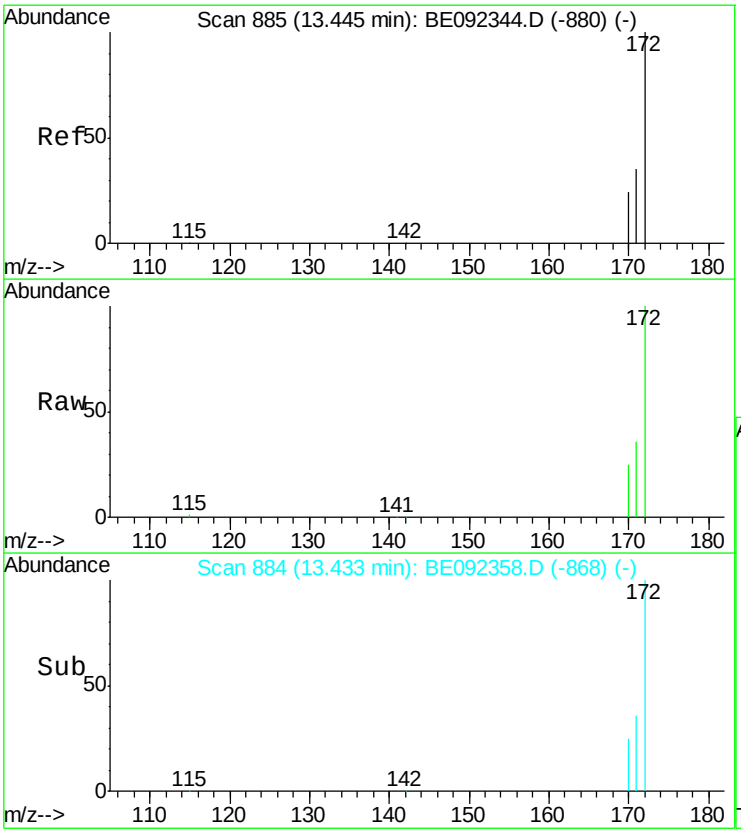
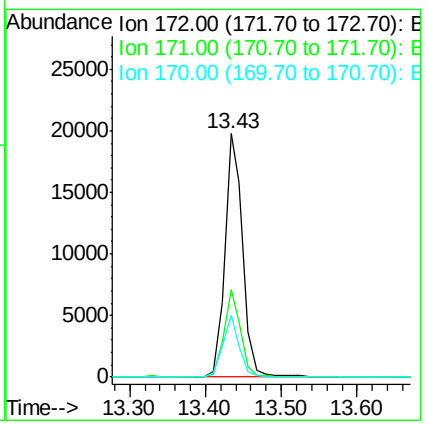


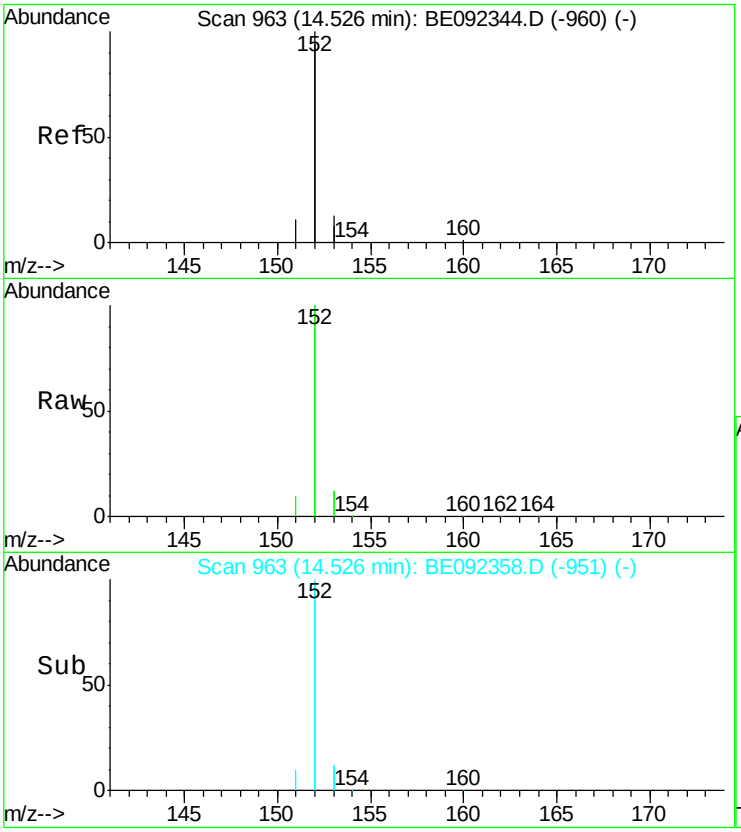


#14
2-Fluorobiphenyl
Concen: 3.71 ng
RT: 13.43 min Scan# 884
Delta R.T. -0.01 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:172 Resp: 32300

Ion	Ratio	Lower	Upper
172	100		
171	35.9	30.1	45.1
170	25.2	21.8	32.6

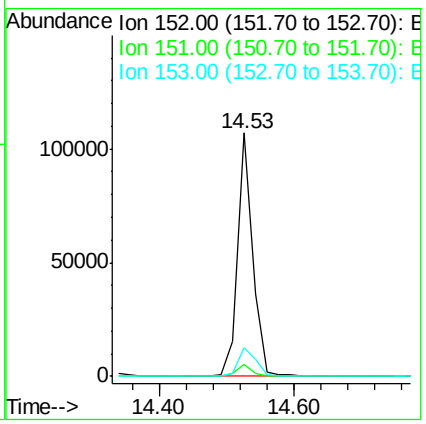




#15
Acenaphthylene
Concen: 3.40 ng
RT: 14.53 min Scan# 963
Delta R.T. -0.00 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:152 Resp: 165918

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.1	10.4	15.6



Instrument :
BNA_E
ClientSampleId :
PB93313BS

Manual Integrations APPROVED
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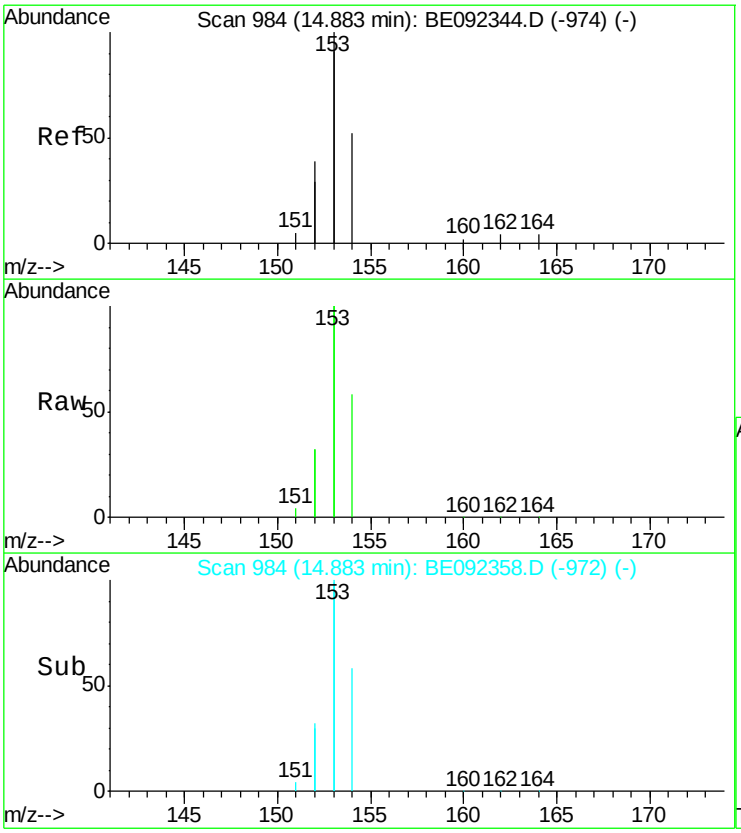
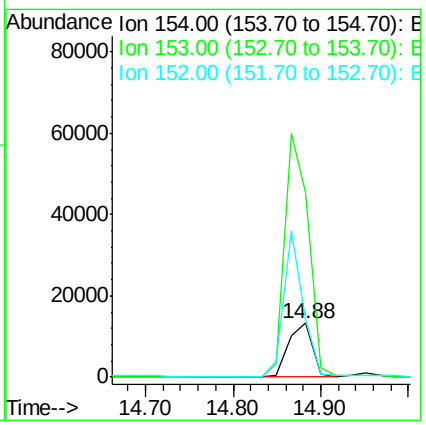
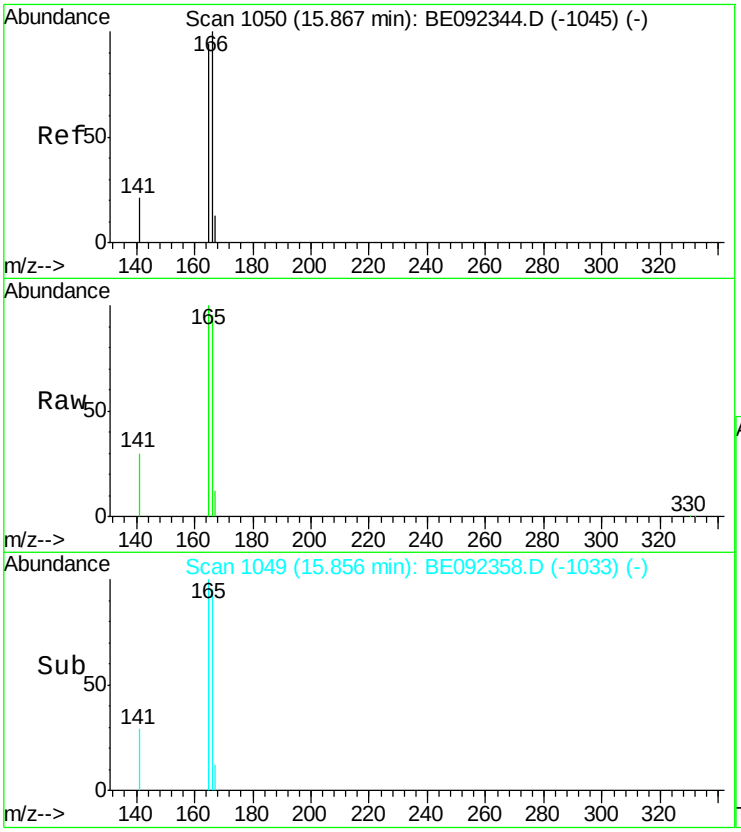


#16
Acenaphthene
Concen: 3.17 ng
RT: 14.88 min Scan# 984
Delta R.T. -0.00 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:154 Resp: 25031

Ion	Ratio	Lower	Upper
154	100		
153	451.9	350.8	526.2
152	223.2	171.1	256.7





#17
Fluorene
Concen: 3.18 ng
RT: 15.86 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:166 Resp: 31468

Ion	Ratio	Lower	Upper
166	100		
165	99.3	78.2	117.4
167	13.4	11.0	16.4

Instrument :
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ClientSampleId :
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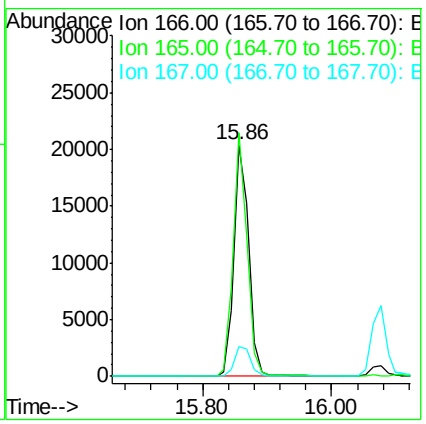
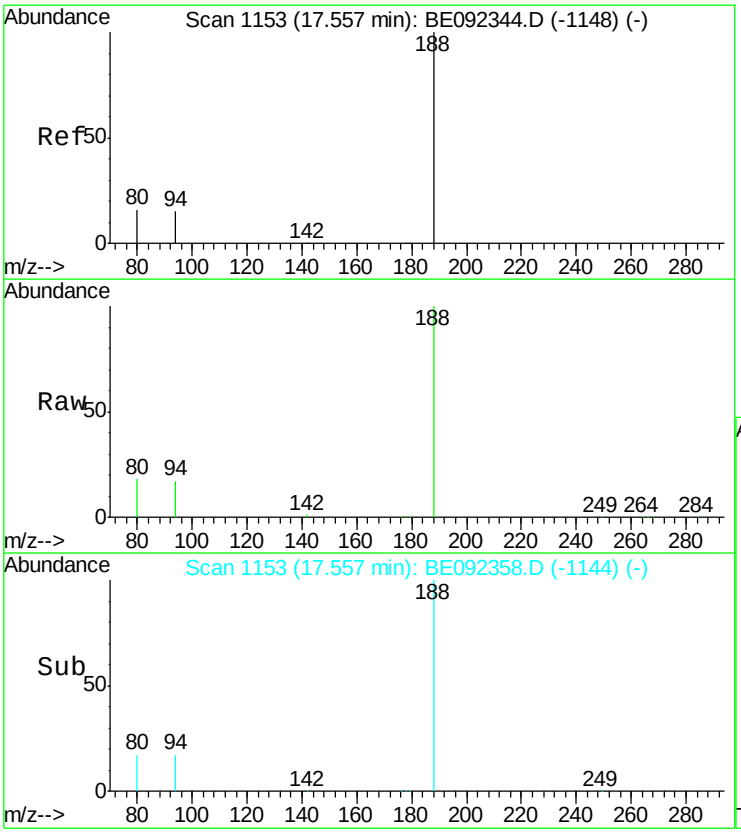
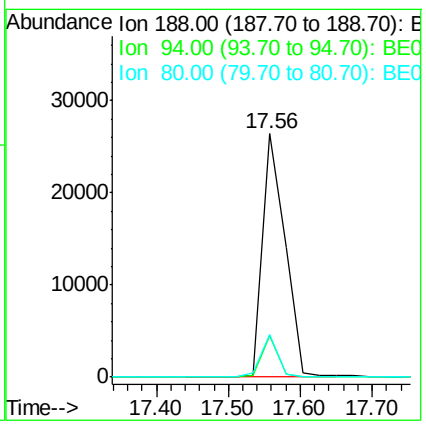


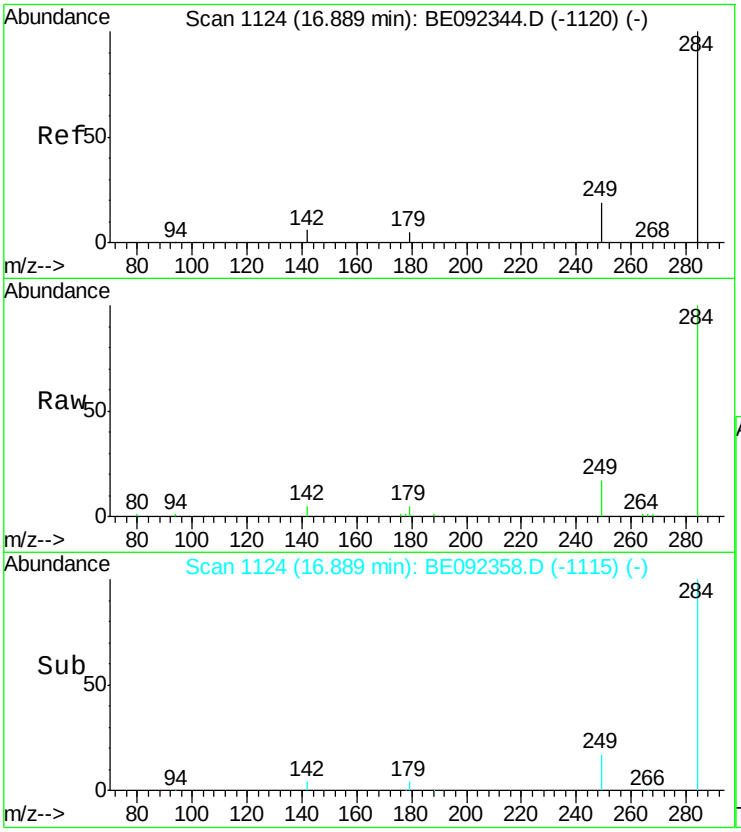


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:188 Resp: 56990

Ion	Ratio	Lower	Upper
188	100		
94	16.8	3.2	4.8#
80	17.5	2.6	3.8#





#19
Hexachlorobenzene
Concen: 3.37 ng
RT: 16.89 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Instrument :
BNA_E
ClientSampleId :
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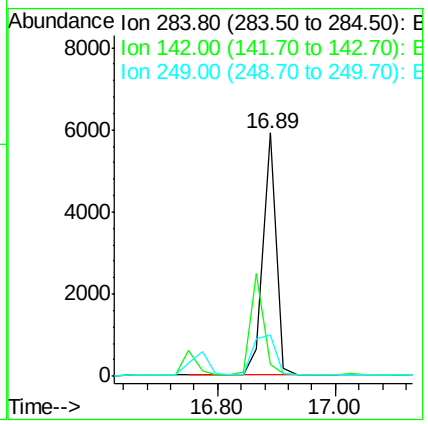
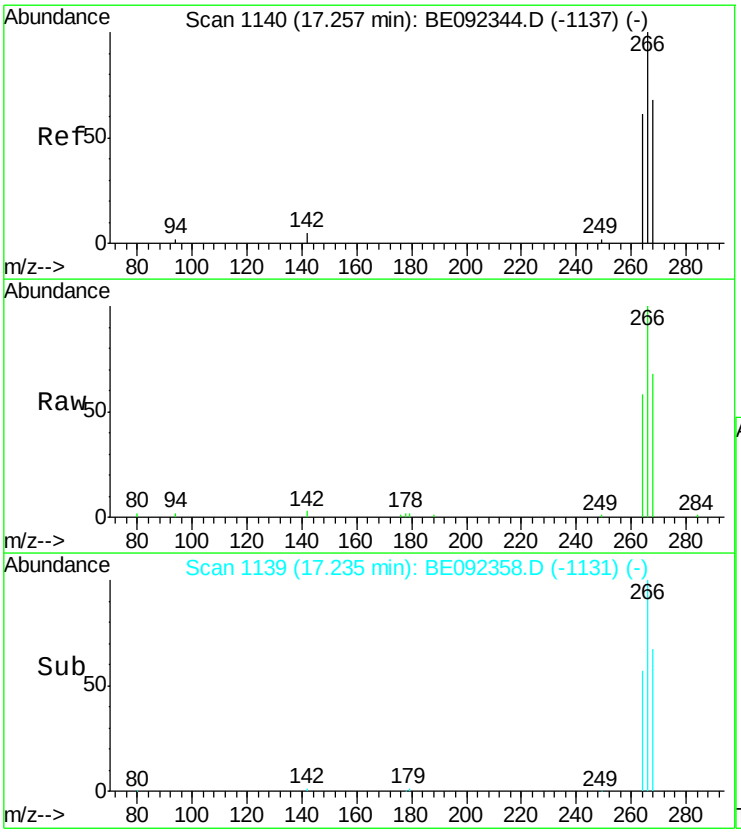
Tgt Ion:284 Resp: 9209

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	27.7	27.9	41.9#

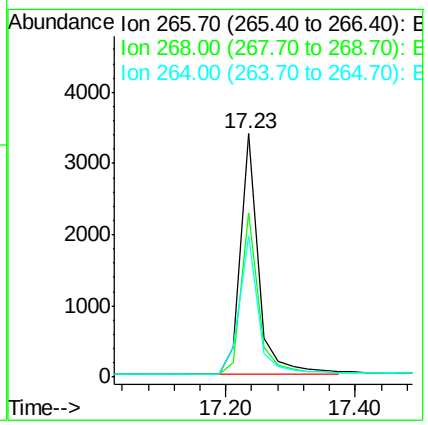


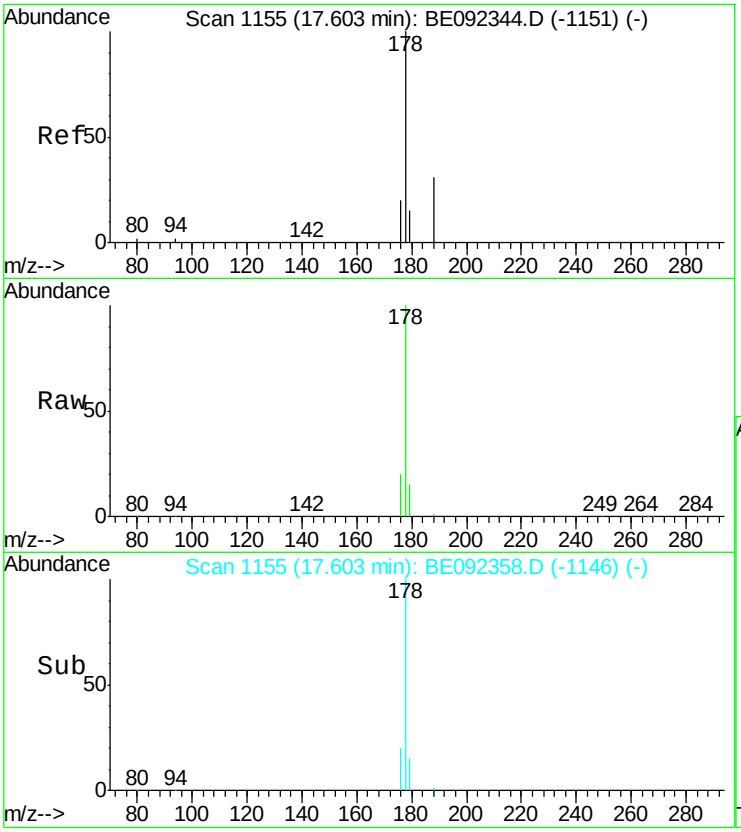


#20
Pentachlorophenol
Concen: 5.28 ng
RT: 17.23 min Scan# 1139
Delta R.T. -0.02 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:266 Resp: 6485

Ion	Ratio	Lower	Upper
266	100		
268	67.7	62.5	93.7
264	57.8	57.2	85.8

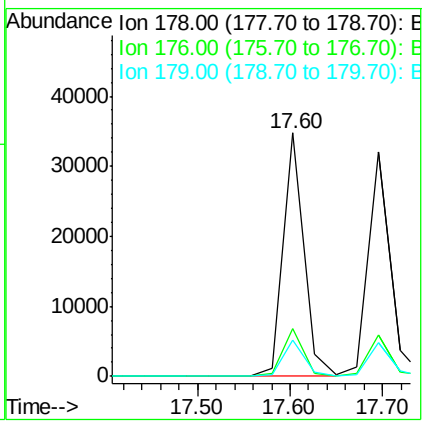




#21
Phenanthrene
Concen: 3.38 ng
RT: 17.60 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:178 Resp: 54079

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.1	16.0	24.0#



Instrument :
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ClientSampleId :
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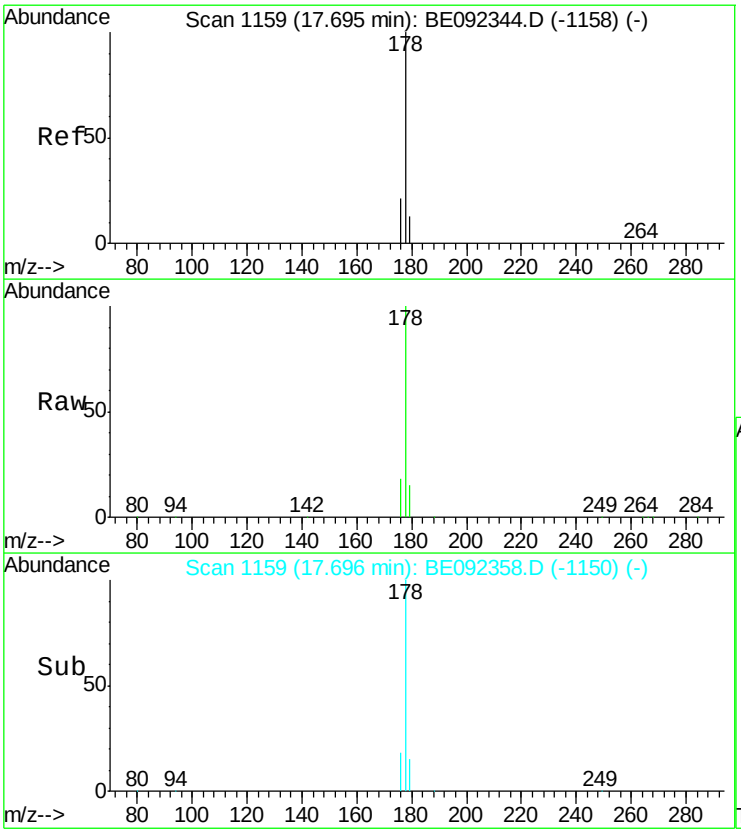
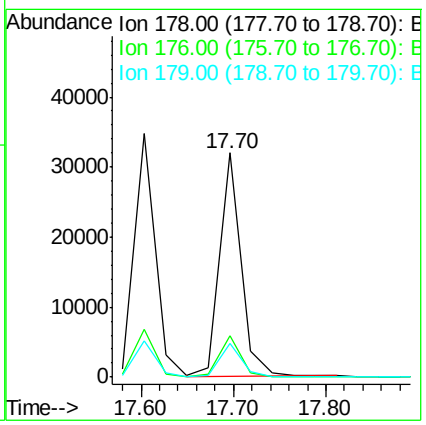
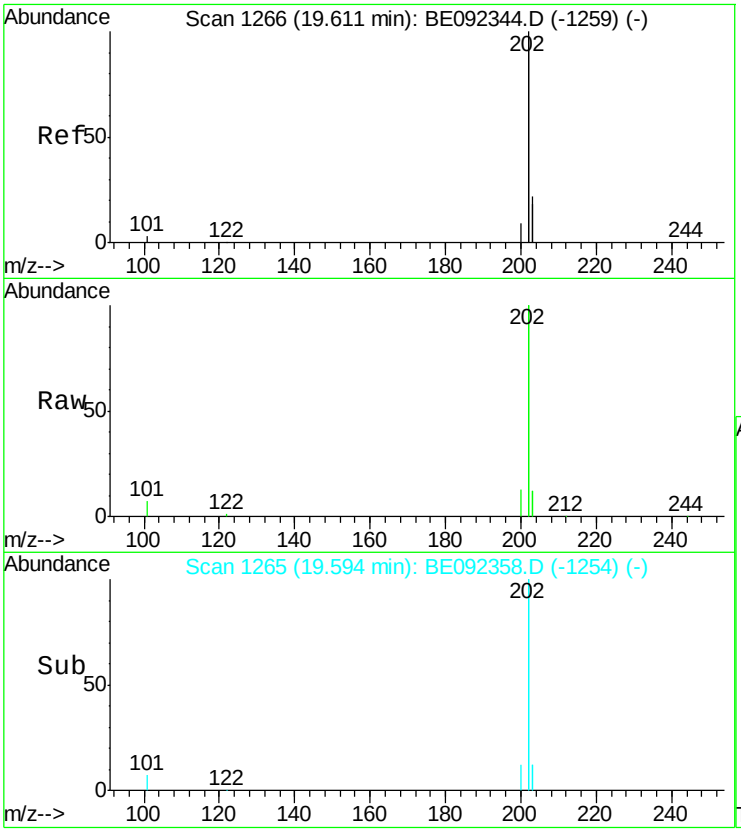


#22
Anthracene
Concen: 3.61 ng
RT: 17.70 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:178 Resp: 51401

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.4
179	15.2	12.2	18.2

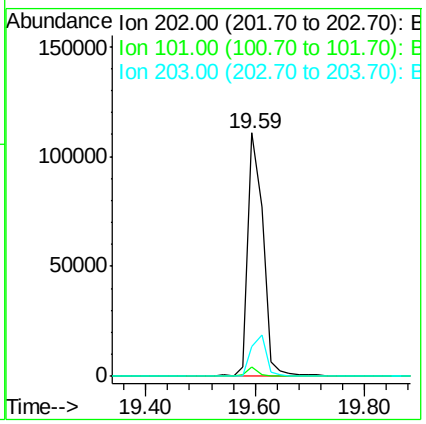




#23
Fluoranthene
Concen: 2.98 ng
RT: 19.59 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:202 Resp: 208587

Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.5	13.7	20.5



Instrument :
BNA_E
ClientSampleId :
PB93313BS

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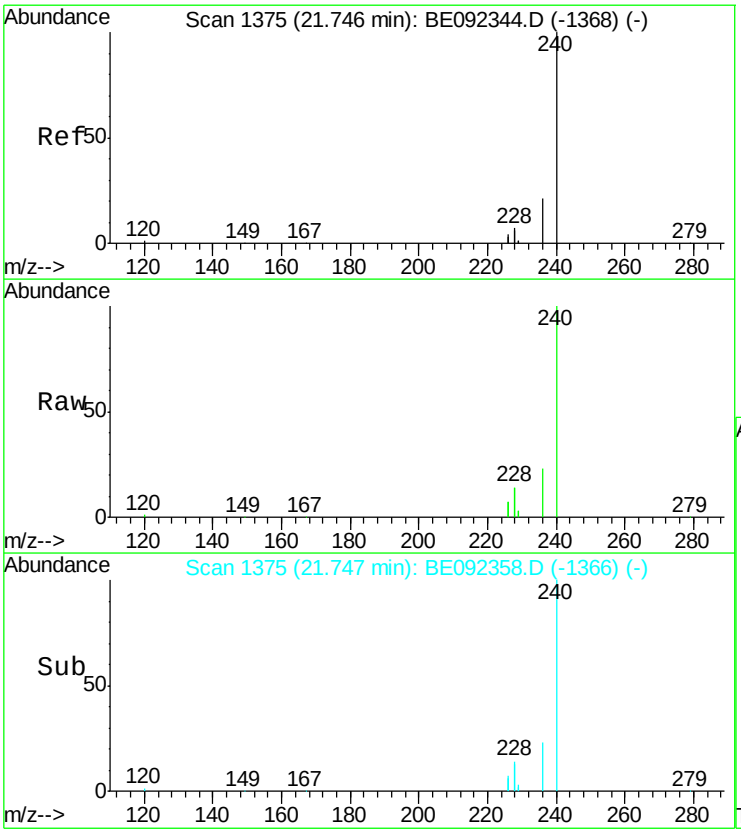
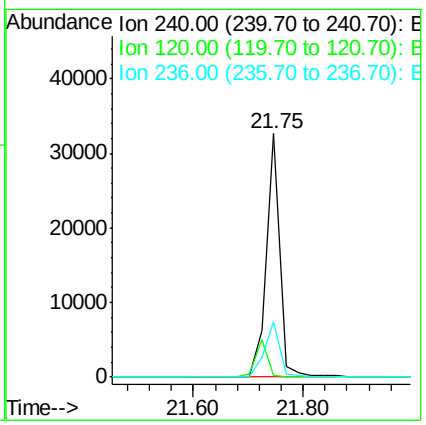
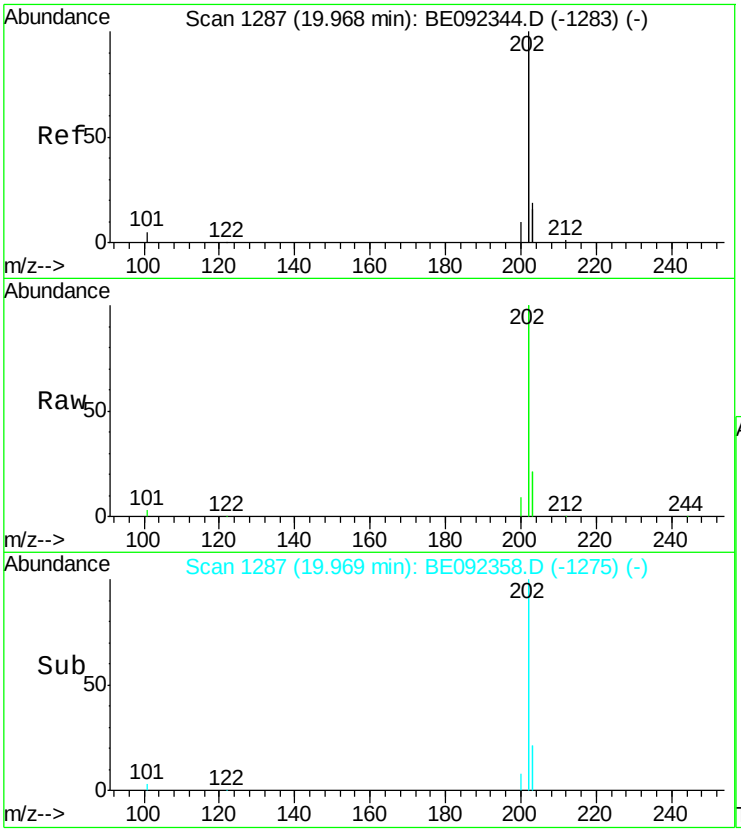


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:240 Resp: 56050

Ion	Ratio	Lower	Upper
240	100		
120	0.9	2.6	4.0#
236	22.9	24.6	37.0#





#25
Pyrene
Concen: 3.93 ng
RT: 19.97 min Scan# 1287
Delta R.T. 0.00 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:202 Resp: 214477

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	18.2	13.9	20.9

Instrument :
BNA_E
ClientSampleId :
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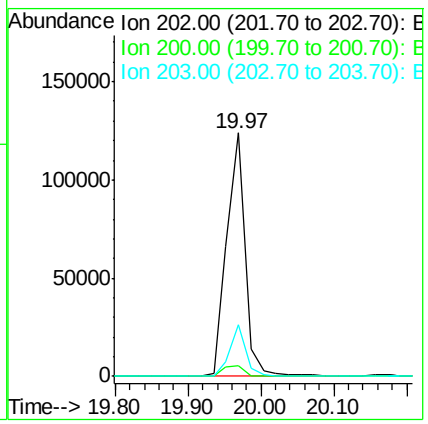
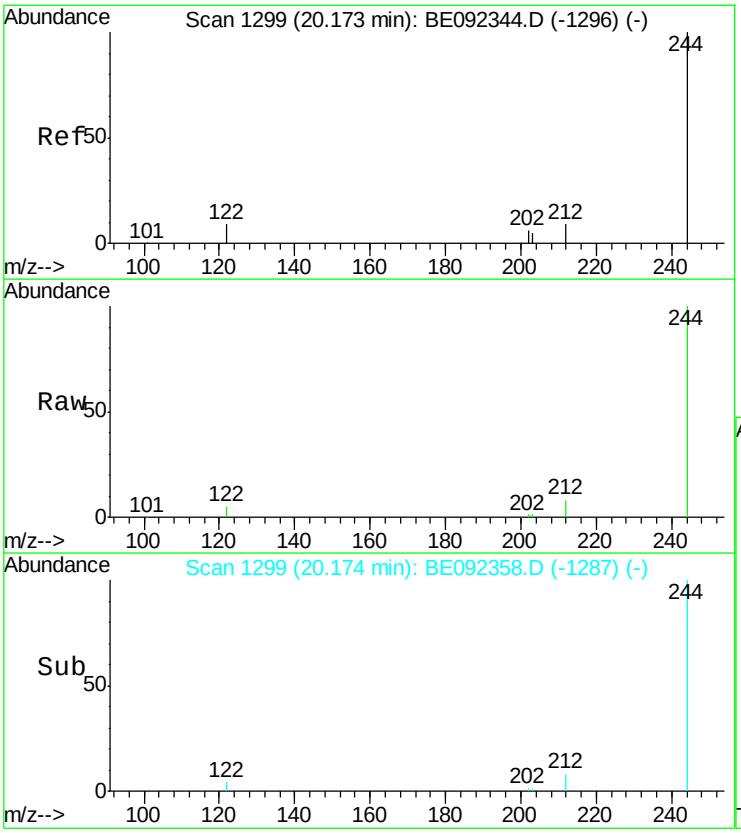
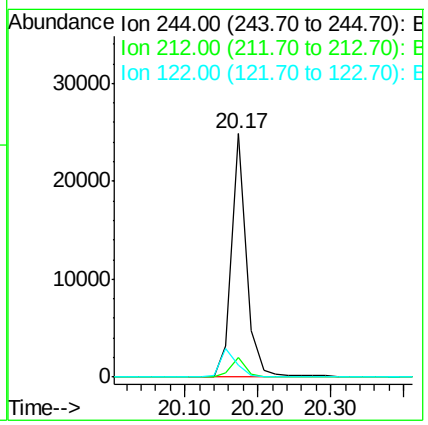


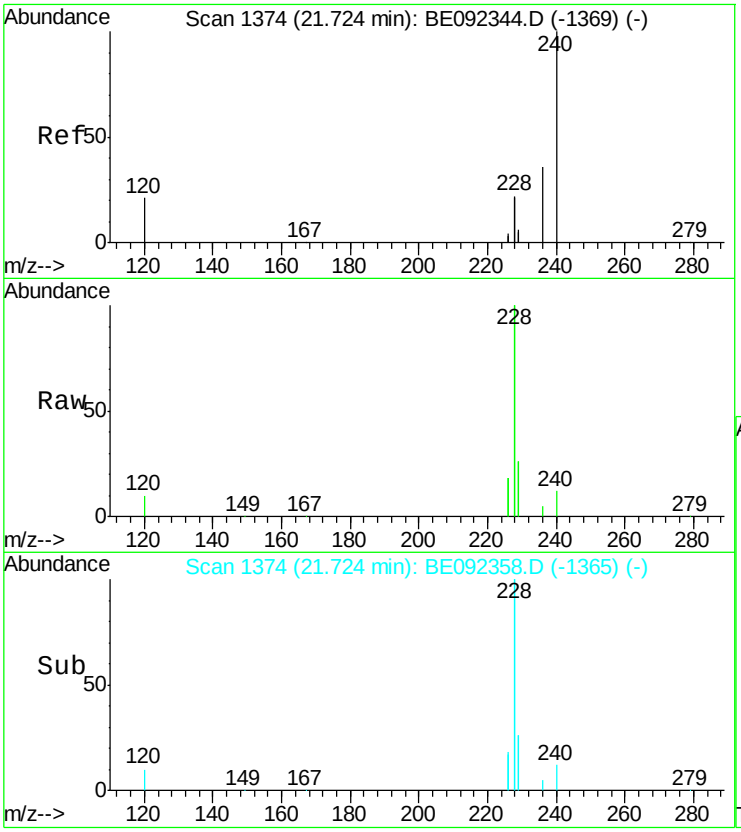


#26
Terphenyl-d14
Concen: 4.21 ng
RT: 20.17 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:244 Resp: 34901

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.7	10.1
122	4.7	3.6	5.4





#27
Benzo(a)anthracene
Concen: 3.14 ng
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:228 Resp: 189661

Ion	Ratio	Lower	Upper
228	100		
226	17.6	23.6	35.4#
229	26.1	13.3	19.9#

Instrument :
BNA_E
ClientSampleId :
PB93313BS

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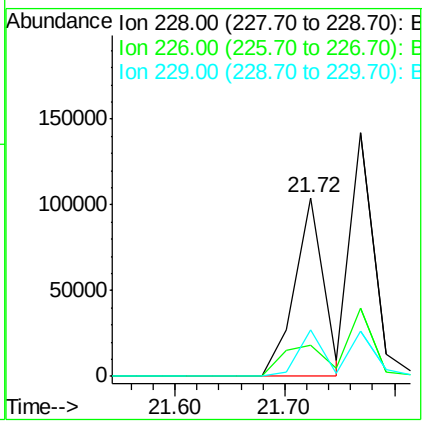
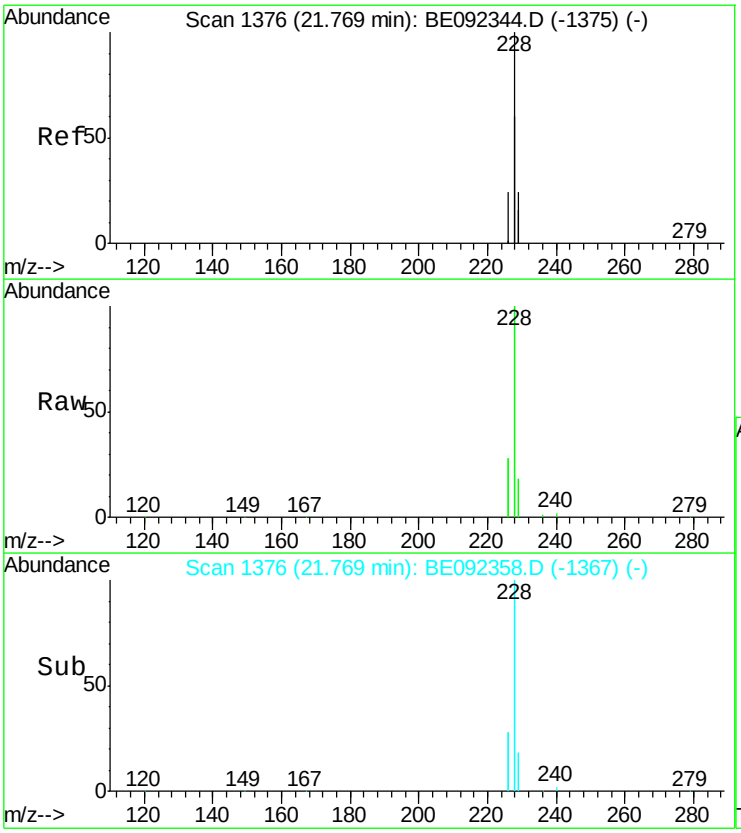
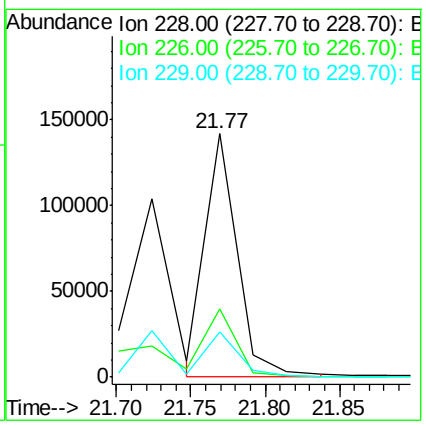


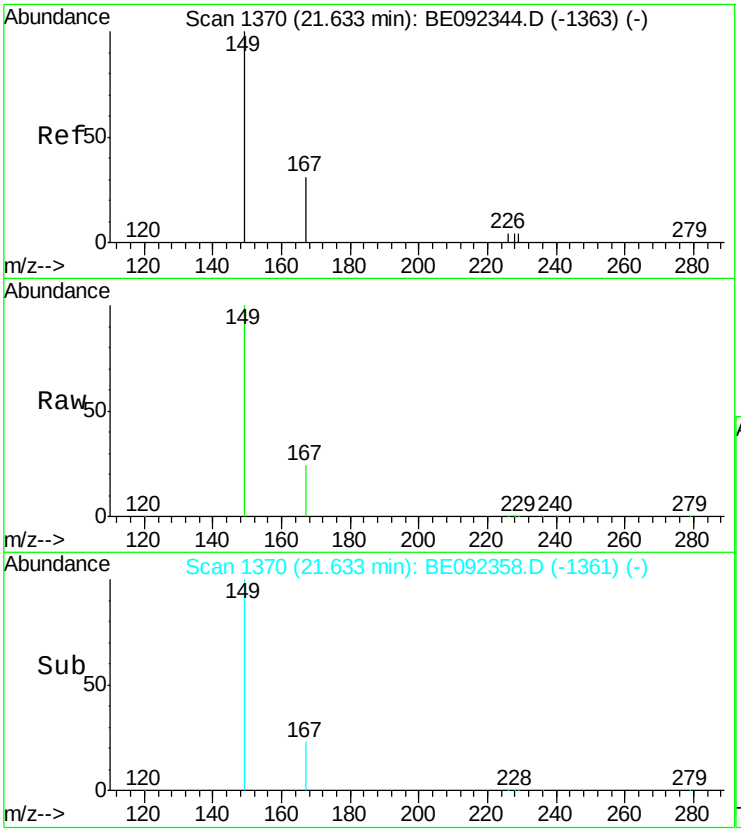


#28
Chrysene
Concen: 3.84 ng m
RT: 21.77 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:228 Resp: 216260

Ion	Ratio	Lower	Upper
228	100		
226	27.9	36.3	54.5#
229	18.5	10.6	16.0#





#29
Bis(2-ethylhexyl)phthalate
Concen: 3.74 ng
RT: 21.63 min Scan# 1370
Delta R.T. 0.00 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:149 Resp: 29051

Ion	Ratio	Lower	Upper
149	100		
167	23.6	16.0	24.0
279	0.0	16.0	24.0#

Instrument :
BNA_E
ClientSampleId :
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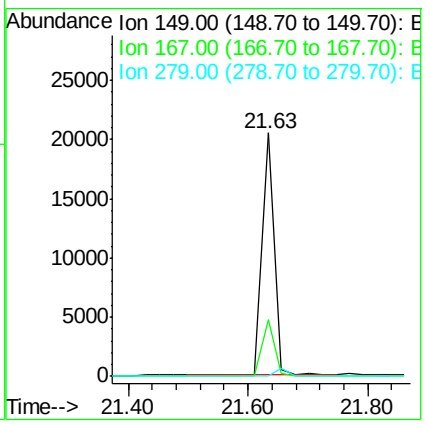
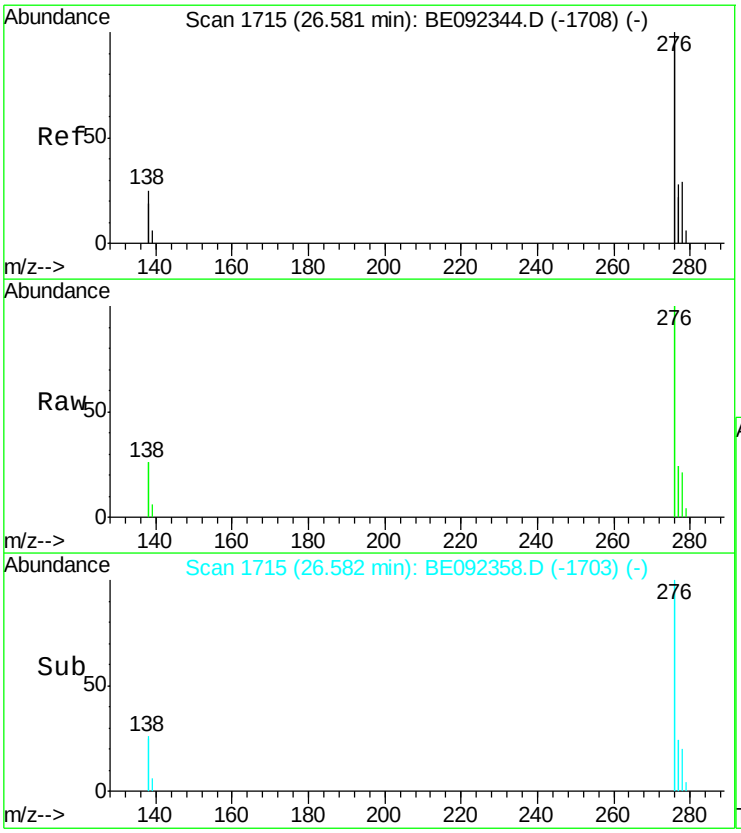
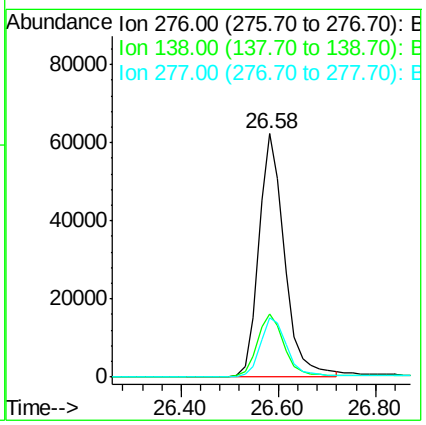


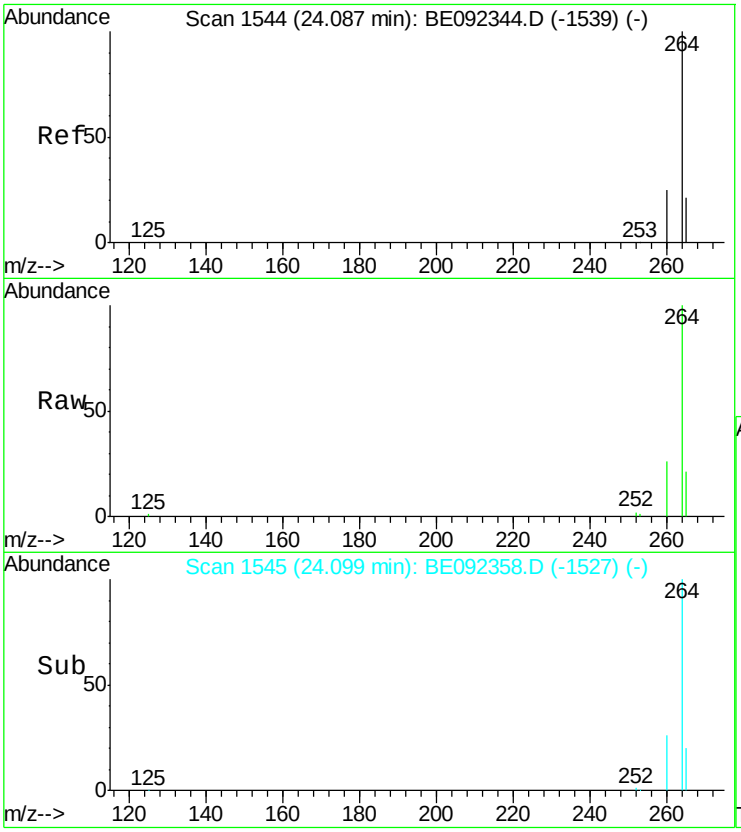


#30
Indeno(1,2,3-cd)pyrene
Concen: 3.60 ng
RT: 26.58 min Scan# 1715
Delta R.T. 0.00 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:276 Resp: 229404

Ion	Ratio	Lower	Upper
276	100		
138	26.7	20.3	30.5
277	24.9	19.7	29.5

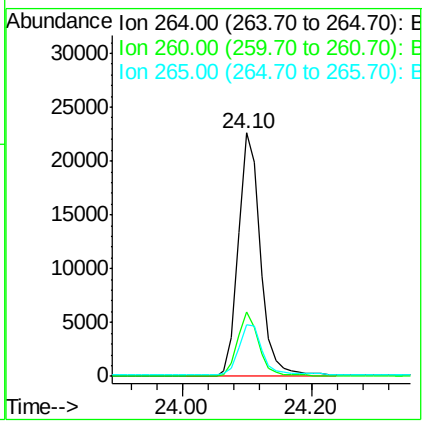




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.10 min Scan# 1545
Delta R.T. 0.01 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:264 Resp: 52801

Ion	Ratio	Lower	Upper
264	100		
260	26.2	20.1	30.1
265	21.2	17.9	26.9



Instrument :
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ClientSampleId :
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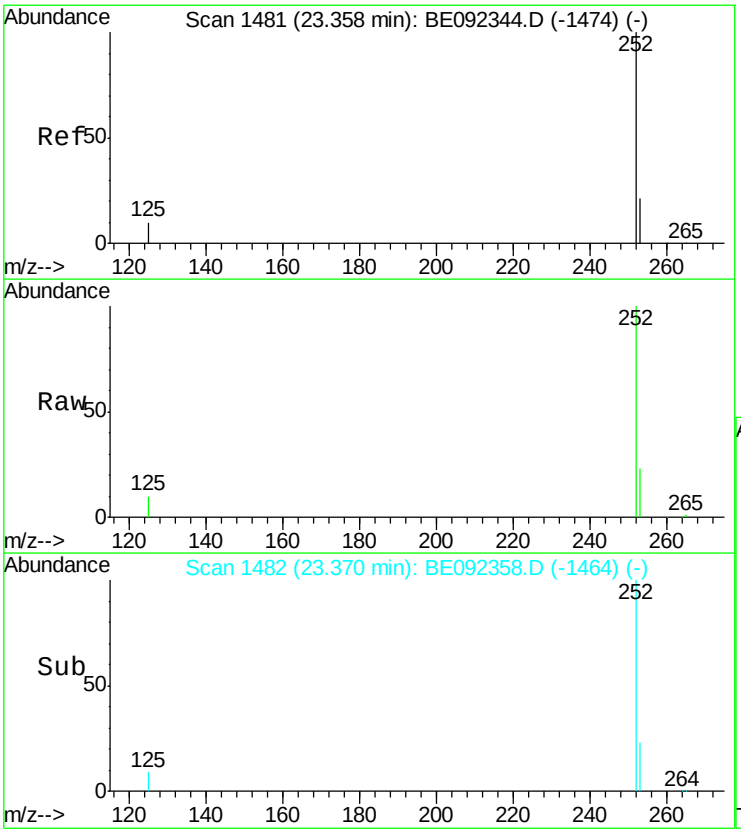
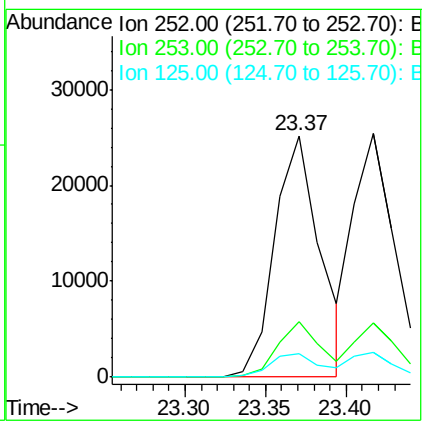
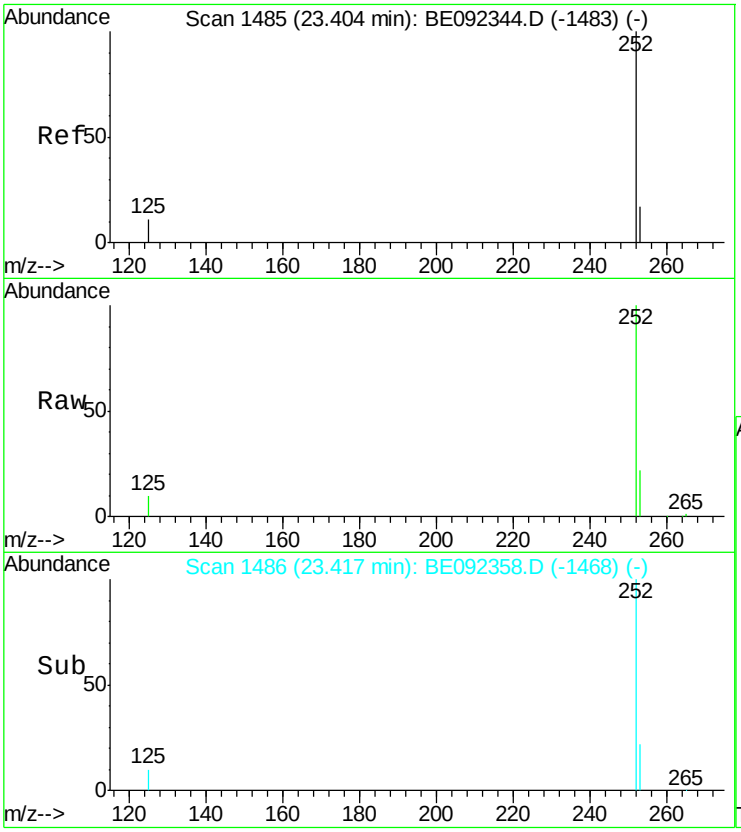


#32
Benzo(b)fluoranthene
Concen: 3.61 ng
RT: 23.37 min Scan# 1482
Delta R.T. 0.01 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:252 Resp: 48972

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.7	28.1
125	9.8	10.5	15.7#





#33
Benzo(k)fluoranthene
Concen: 3.28 ng
RT: 23.42 min Scan# 1486
Delta R.T. 0.01 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:252 Resp: 47061

Ion	Ratio	Lower	Upper
252	100		
253	22.2	20.3	30.5
125	9.9	9.6	14.4

Instrument :
BNA_E
ClientSampleId :
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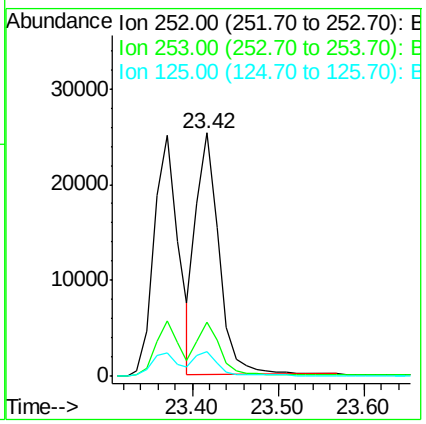
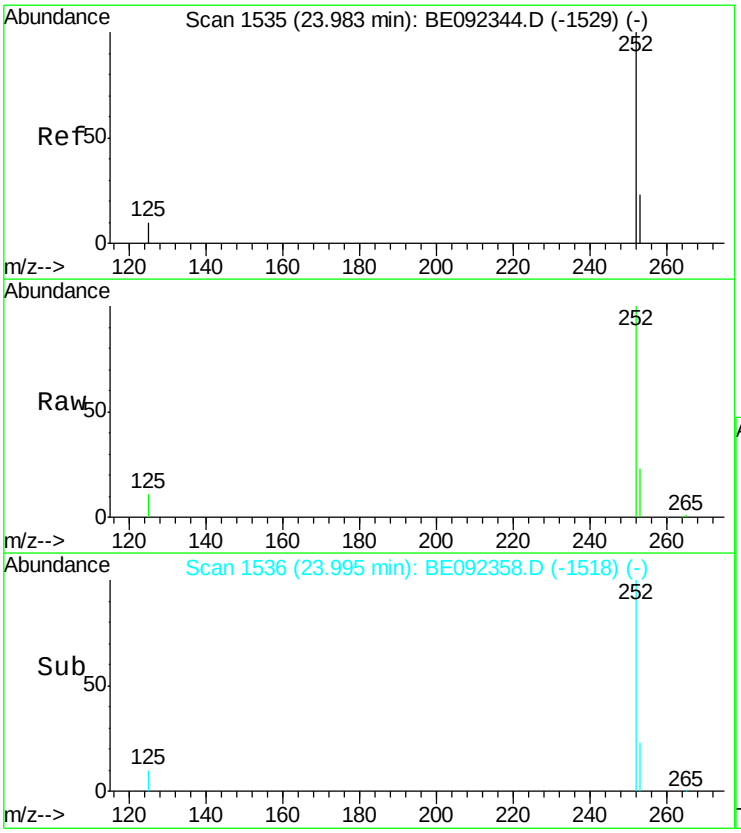
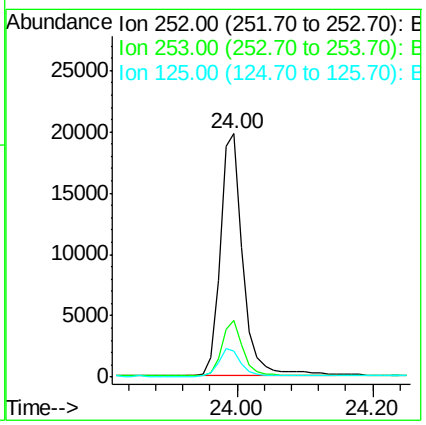


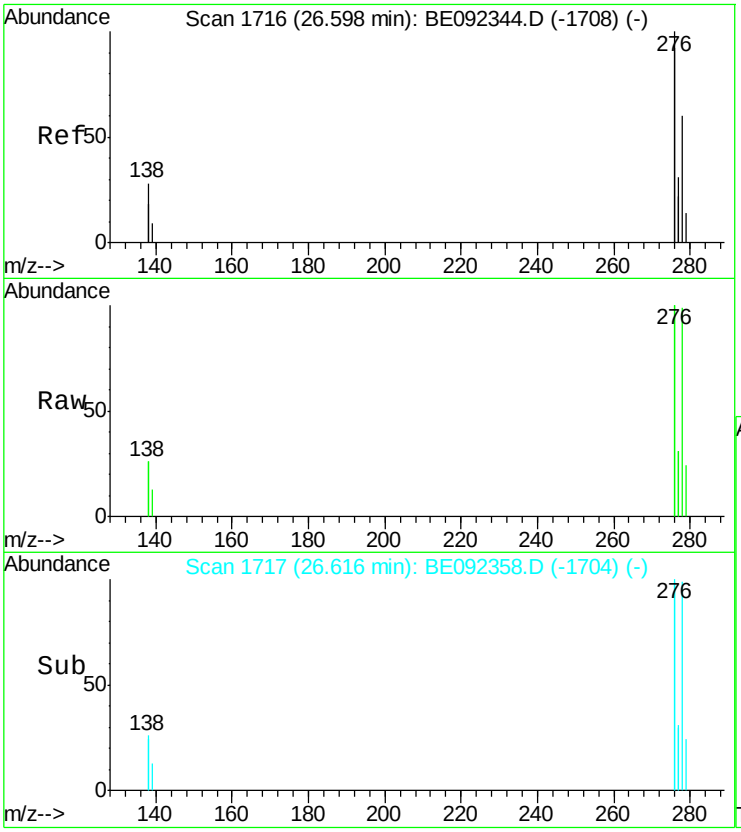


#34
Benzo(a)pyrene
Concen: 3.47 ng
RT: 24.00 min Scan# 1536
Delta R.T. 0.01 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:252 Resp: 46370

Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.0	28.6
125	10.7	11.8	17.8#

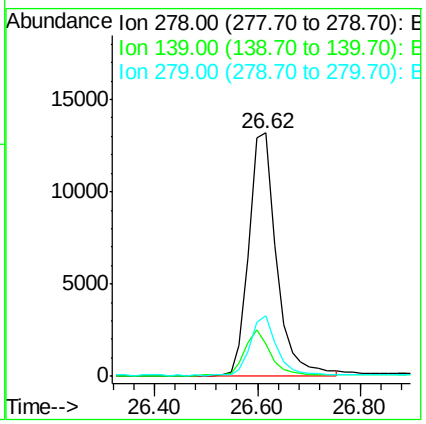




#35
Dibenzo(a,h)anthracene
Concen: 3.92 ng
RT: 26.62 min Scan# 1717
Delta R.T. 0.02 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:278 Resp: 48396

Ion	Ratio	Lower	Upper
278	100		
139	13.4	13.8	20.8#
279	24.6	21.4	32.2



Instrument :
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ClientSampleId :
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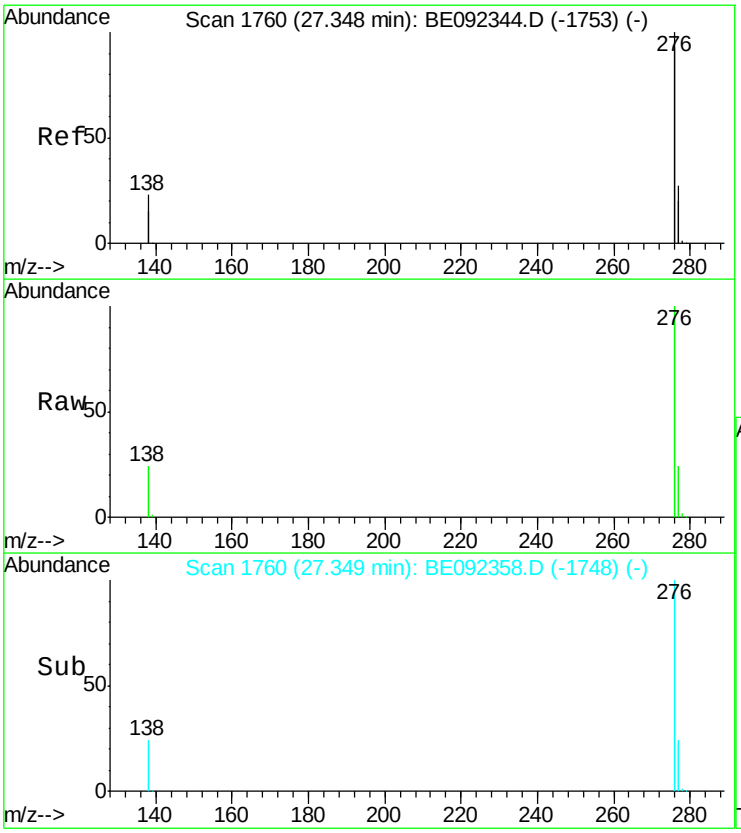

#36
Benzo(g,h,i)perylene
Concen: 3.83 ng
RT: 27.35 min Scan# 1760
Delta R.T. 0.00 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion:276 Resp: 199281

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.8	29.8
138	24.2	19.8	29.6