Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110916\
Data File : BE092519.D
Acq On : 9 Nov 2016 10:58
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Manual Integrations APPROVED
sohil
11/9/2016 4:04:43 PM

Quant Time: Nov 09 14:29:43 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE110816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 08 16:27:22 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	8708	5.00	ng		-0.02
7) Naphthalene-d8	10.93	136	41863	5.00	ng		0.00
12) Acenaphthene-d10	14.80	164	29340	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	70064	5.00	ng		0.00
24) Chrysene-d12	21.72	240	99284	5.00	ng		0.00
31) Perylene-d12	24.08	264	89475	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.66	112	677	0.35	ng		0.00
5) Phenol-d6	7.34	99	836	0.33	ng		0.00
8) Nitrobenzene-d5	9.34	82	970	0.35	ng		0.00
13) 2,4,6-Tribromophenol	16.31	330	252	0.46	ng		0.00
14) 2-Fluorobiphenyl	13.43	172	2999	0.41	ng		0.00
26) Terphenyl-d14	20.17	244	4406	0.37	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.39	88	545	0.40	ng		91
3) n-Nitrosodimethylamine	3.76	42	463	0.37	ng	#	95
6) bis(2-Chloroethyl)ether	7.59	93	927	0.33	ng	#	28
9) Naphthalene	10.99	128	3458	0.38	ng		98
10) Hexachlorobutadiene	11.26	225	540	0.39	ng		99
11) 2-Methylnaphthalene	12.62	142	2206	0.37	ng		95
15) Acenaphthylene	14.51	152	16424	0.39	ng		100
16) Acenaphthene	14.87	154	2689	0.40	ng		97
17) Fluorene	15.85	166	3351	0.39	ng		98
19) Hexachlorobenzene	16.86	284	949m	0.36	ng		
20) Pentachlorophenol	17.23	266	246m	0.32	ng		
21) Phenanthrene	17.60	178	5885	0.39	ng		95
22) Anthracene	17.69	178	5609	0.38	ng		98
23) Fluoranthene	19.59	202	28218	0.37	ng		99
25) Pyrene	19.95	202	29567	0.36	ng		100
27) Benzo(a)anthracene	21.70	228	36083m	0.36	ng		
28) Chrysene	21.75	228	38225m	0.32	ng		
29) Bis(2-ethylhexyl)phthalate	21.61	149	2781	0.32	ng	#	56
30) Indeno(1,2,3-cd)pyrene	26.57	276	40910	0.37	ng		98
32) Benzo(b)fluoranthene	23.36	252	12427	0.35	ng		97
33) Benzo(k)fluoranthene	23.41	252	12631m	0.34	ng		
34) Benzo(a)pyrene	23.97	252	8243	0.36	ng		99
35) Dibenzo(a,h)anthracene	26.58	278	8349	0.38	ng		95
36) Benzo(g,h,i)perylene	27.33	276	34853	0.39	ng		99

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

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Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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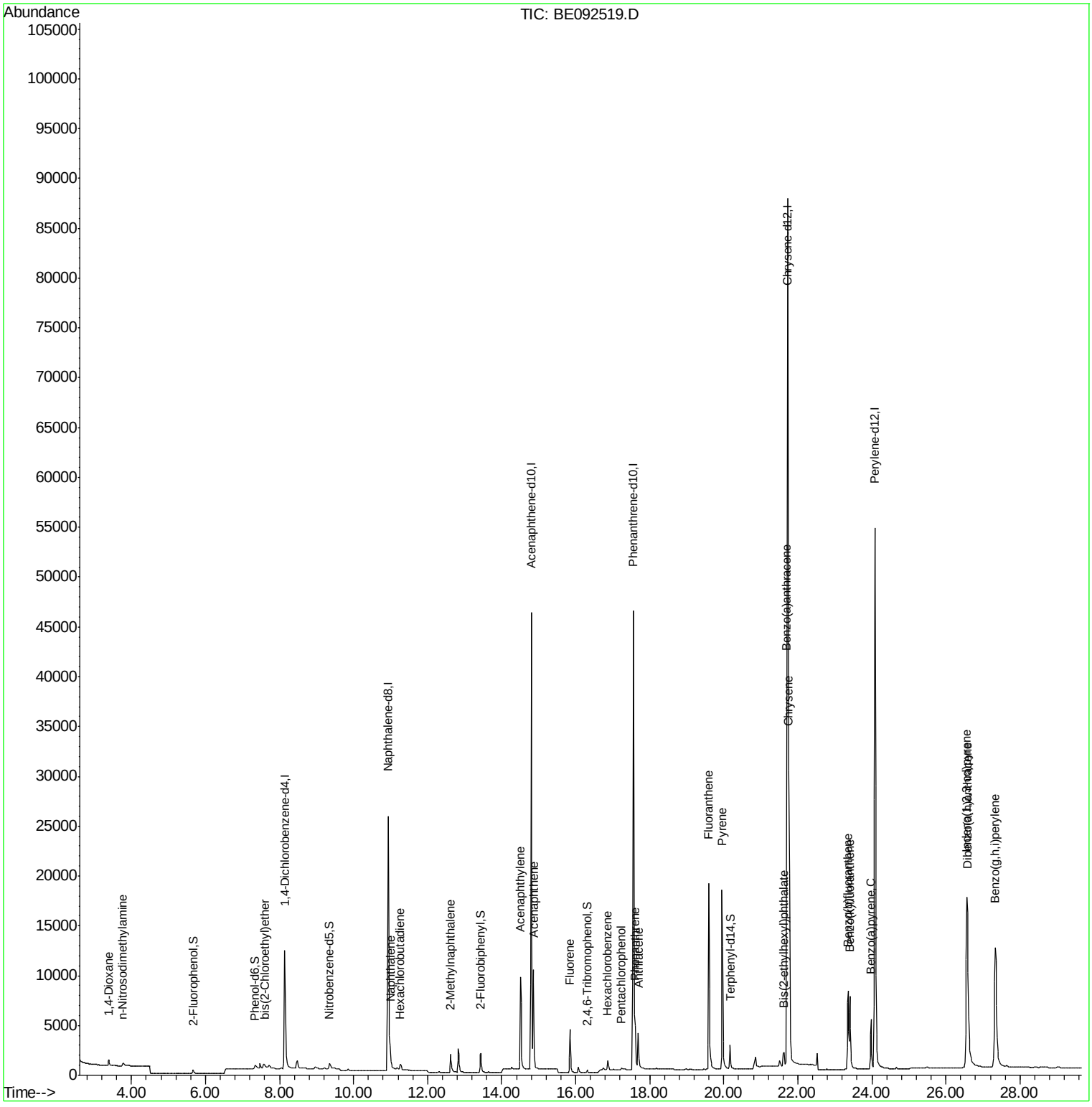
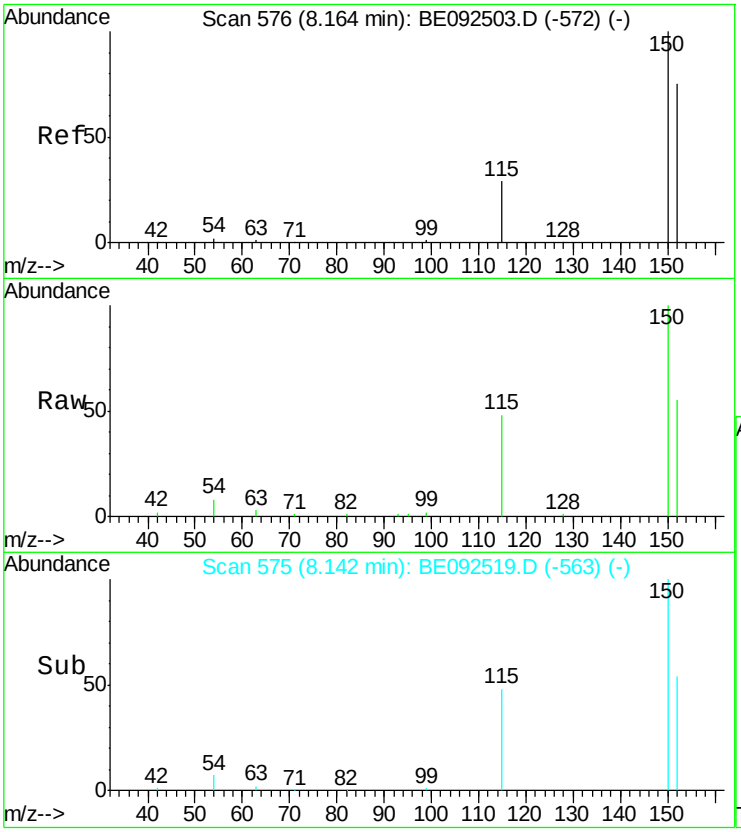
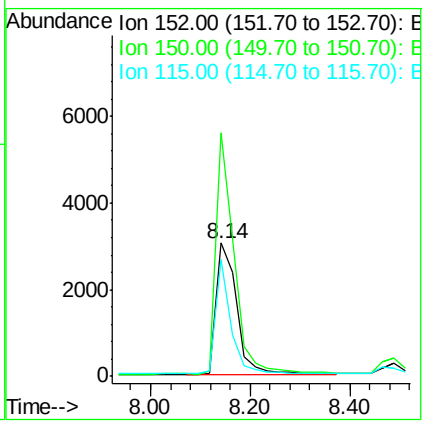




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.14 min Scan# 575
Delta R.T. -0.02 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:152 Resp: 8708

Ion	Ratio	Lower	Upper
152	100		
150	182.4	106.0	159.0#
115	87.9	31.2	46.8#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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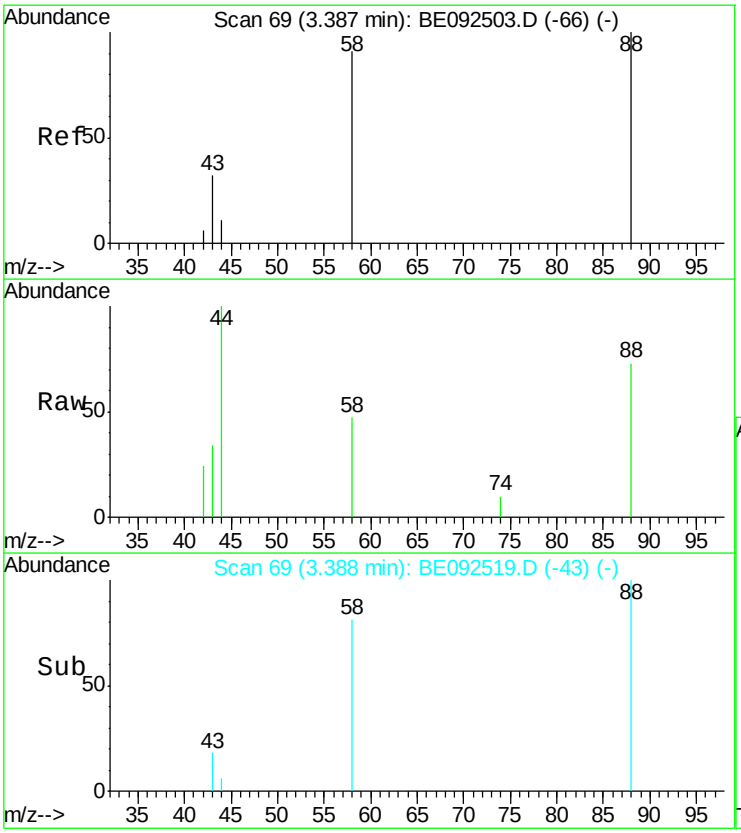
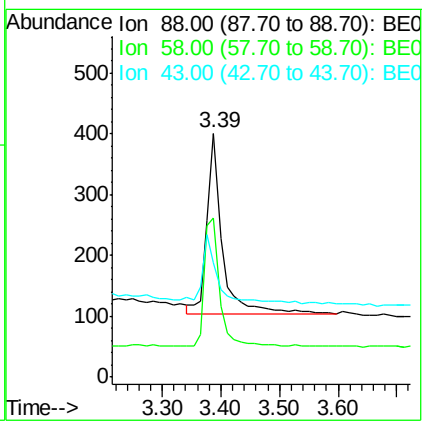
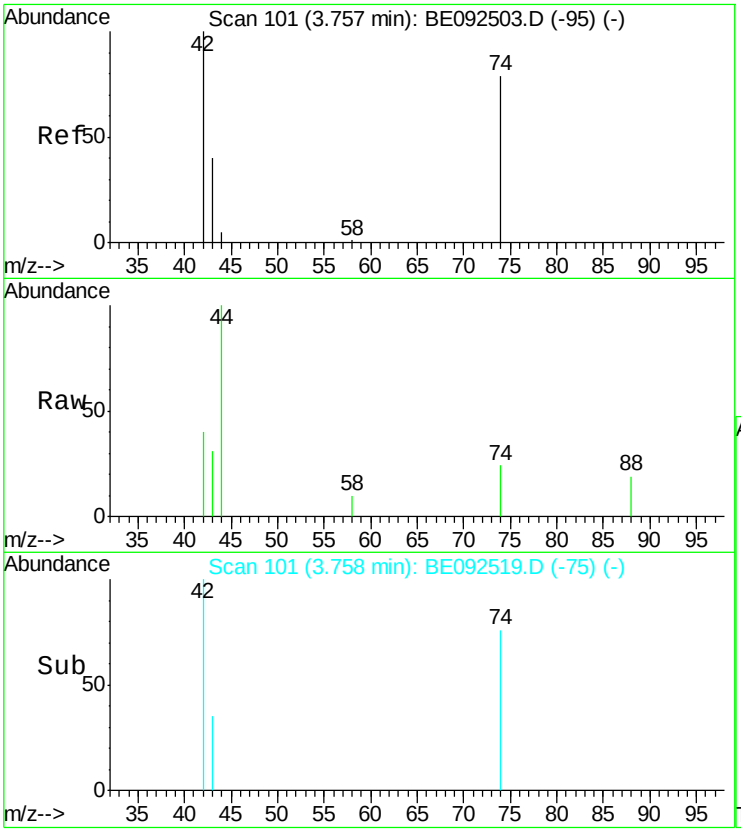


#2
1,4-Dioxane
Concen: 0.40 ng
RT: 3.39 min Scan# 69
Delta R.T. 0.00 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion: 88 Resp: 545

Ion	Ratio	Lower	Upper
88	100		
58	69.9	63.6	95.4
43	33.0	28.0	42.0

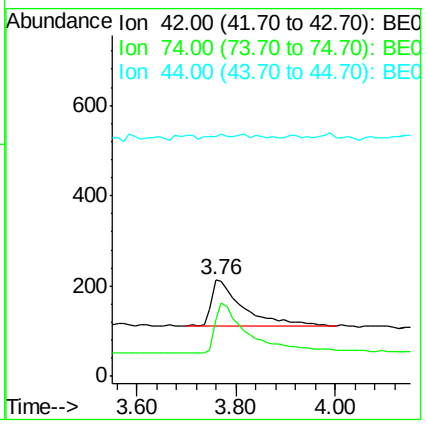




#3
n-Nitrosodimethylamine
Concen: 0.37 ng
RT: 3.76 min Scan# 101
Delta R.T. 0.00 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion: 42 Resp: 463

Ion	Ratio	Lower	Upper
42	100		
74	112.7	86.0	129.0
44	3.2	5.1	7.7#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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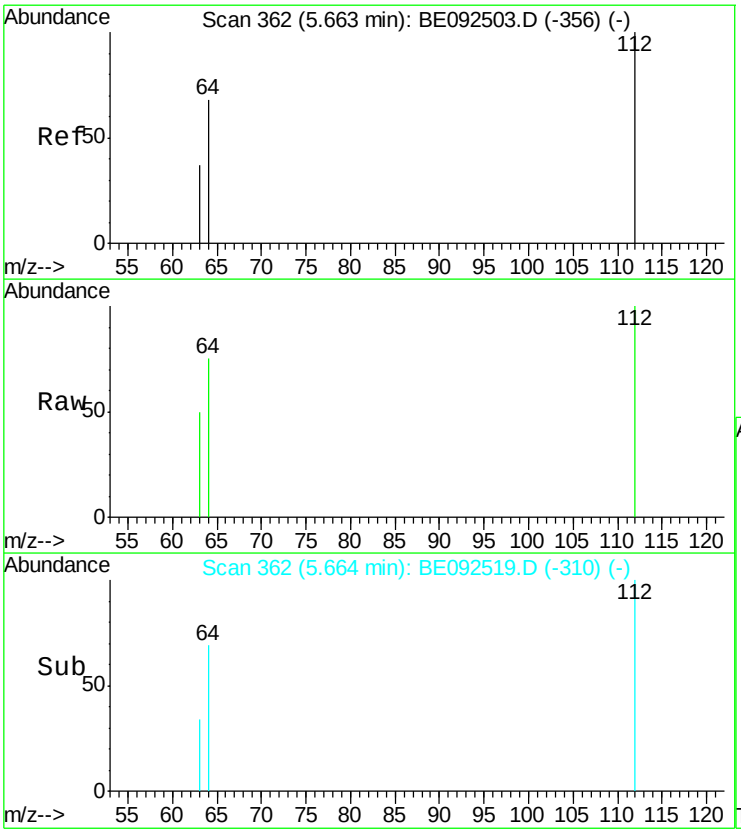
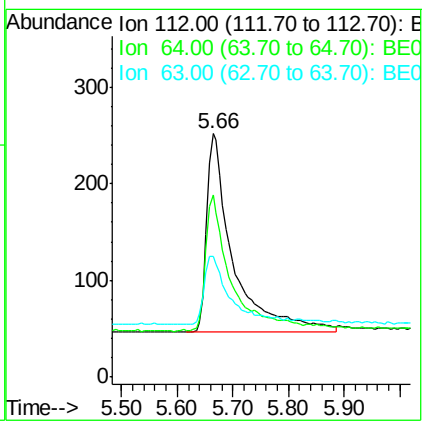
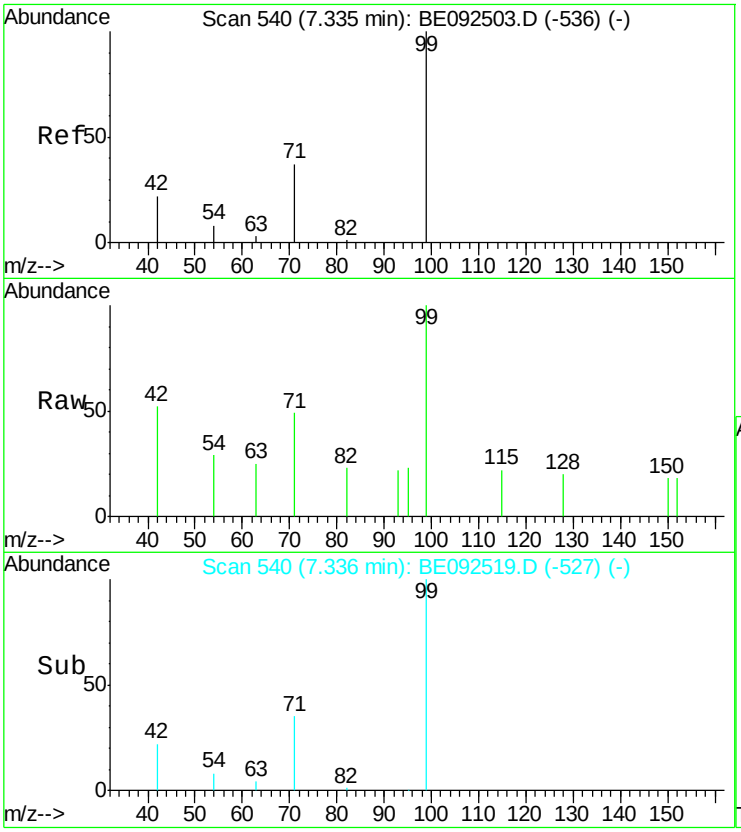


#4
2-Fluorophenol
Concen: 0.35 ng
RT: 5.66 min Scan# 362
Delta R.T. 0.00 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:112 Resp: 677

Ion	Ratio	Lower	Upper
112	100		
64	64.1	53.5	80.3
63	34.3	27.9	41.9

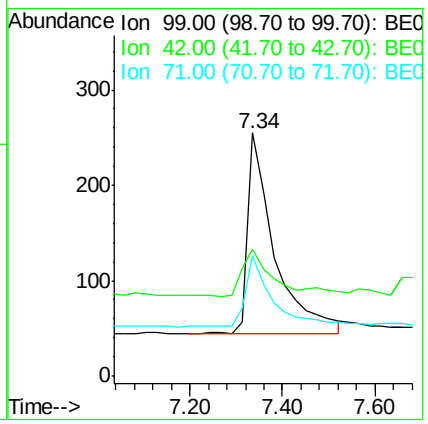




#5
Phenol-d6
Concen: 0.33 ng
RT: 7.34 min Scan# 540
Delta R.T. 0.00 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion: 99 Resp: 836

Ion	Ratio	Lower	Upper
99	100		
42	26.0	16.0	24.0#
71	37.3	30.6	45.8



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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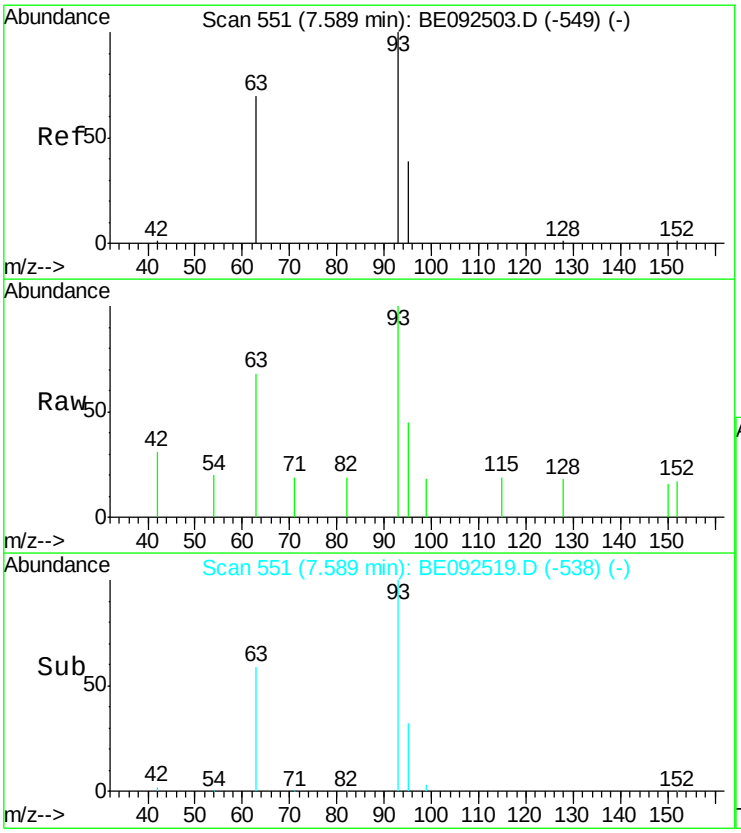
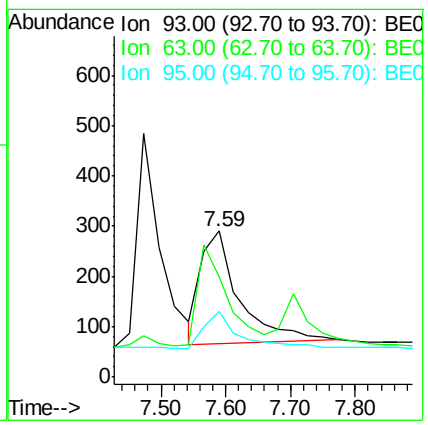
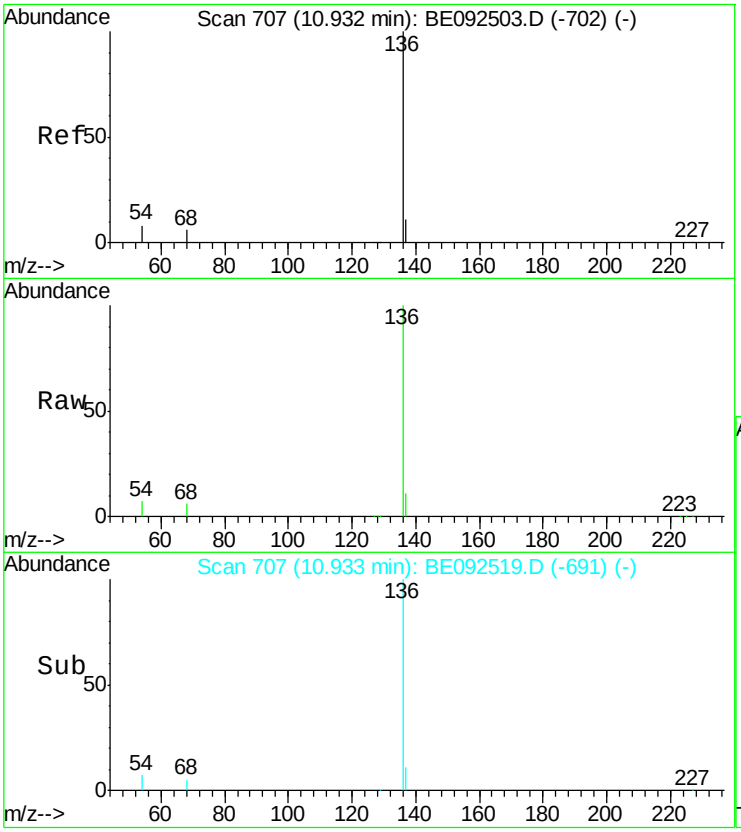


#6
bis(2-Chloroethyl)ether
Concen: 0.33 ng
RT: 7.59 min Scan# 551
Delta R.T. 0.00 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion: 93 Resp: 927

Ion	Ratio	Lower	Upper
93	100		
63	0.0	71.6	107.4#
95	30.7	24.0	36.0

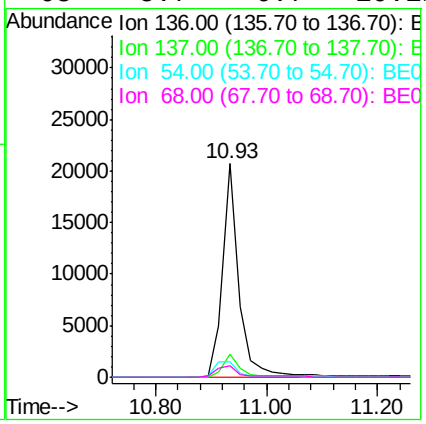




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.93 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:136 Resp: 41863

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.2	12.4
54	7.4	9.6	14.4#
68	5.7	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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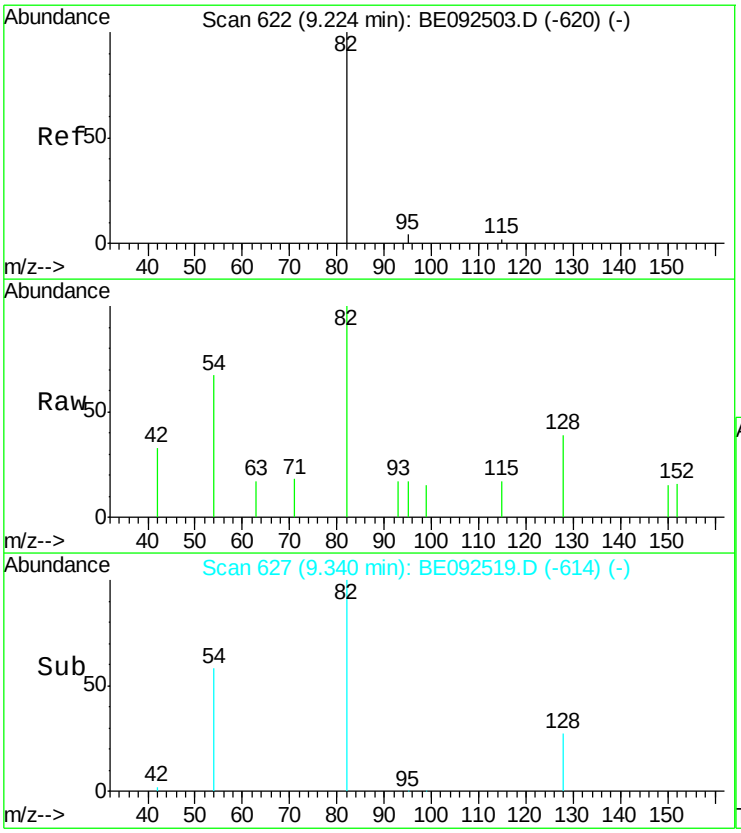
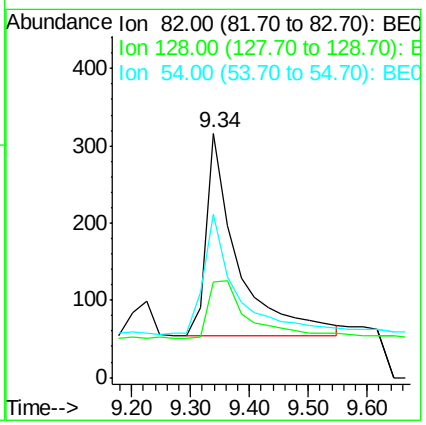
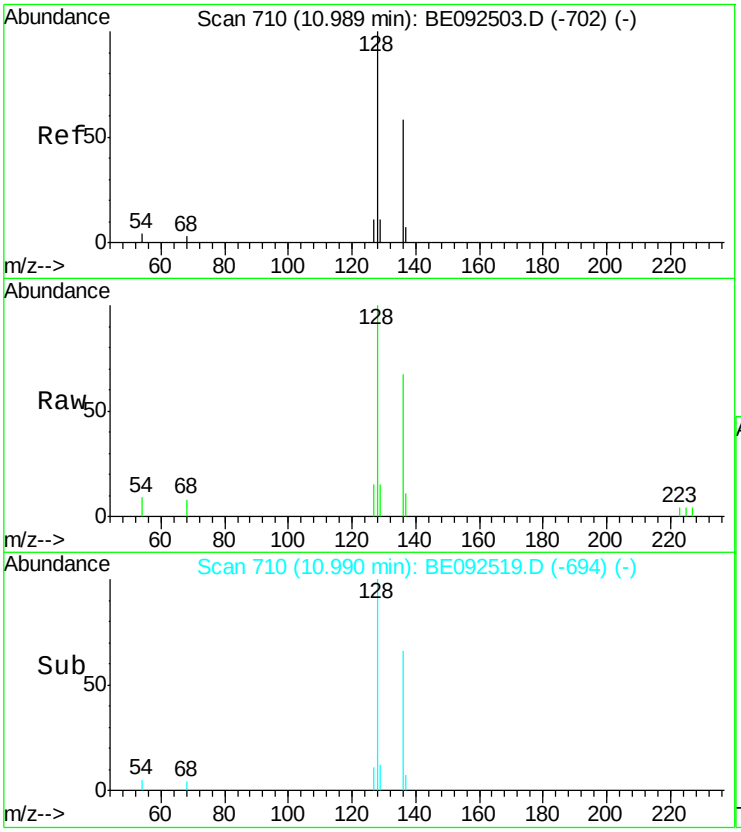


#8
Nitrobenzene-d5
Concen: 0.35 ng
RT: 9.34 min Scan# 627
Delta R.T. 0.00 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion: 82 Resp: 970

Ion	Ratio	Lower	Upper
82	100		
128	38.9	39.0	58.4#
54	67.1	44.8	67.2

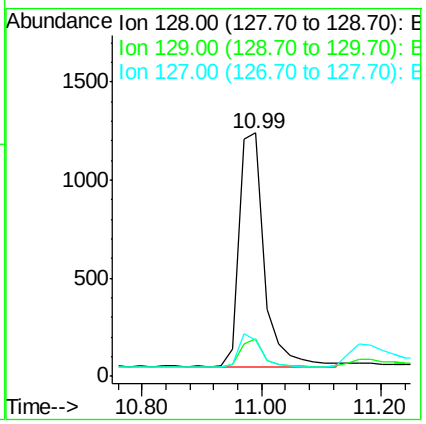




#9
Naphthalene
Concen: 0.38 ng
RT: 10.99 min Scan# 710
Delta R.T. 0.00 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:128 Resp: 3458

Ion	Ratio	Lower	Upper
128	100		
129	15.4	11.2	16.8
127	14.7	11.6	17.4



Instrument :
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ClientSampleId :
SSTDCCC0.4

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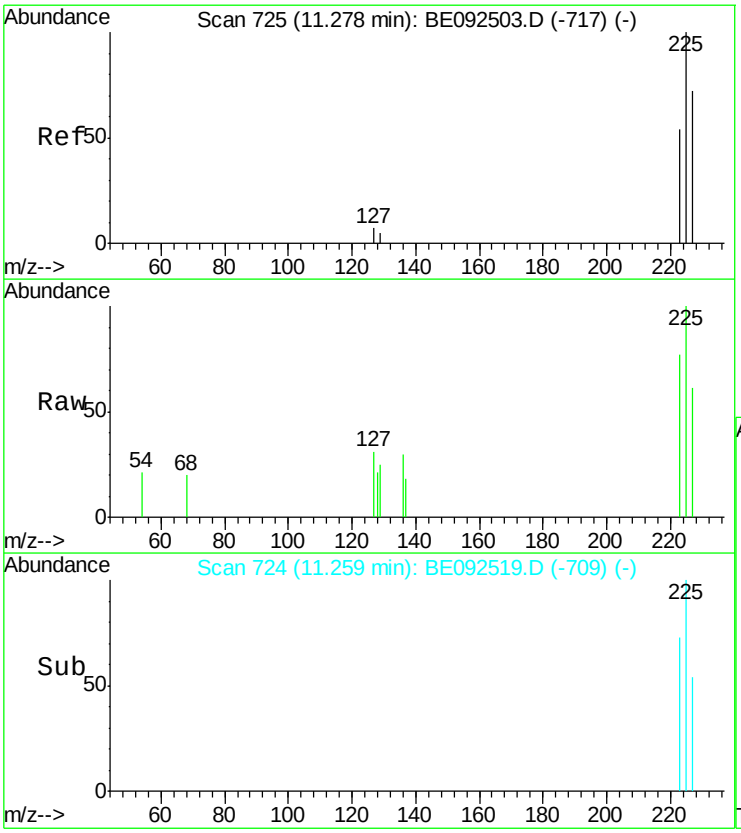
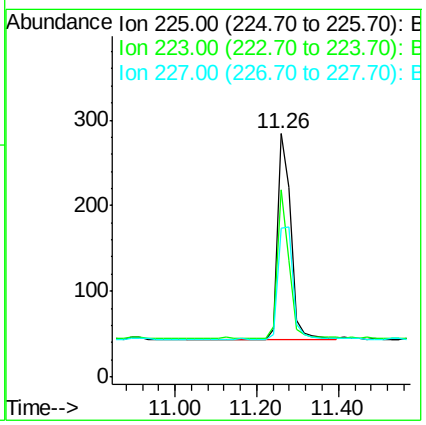
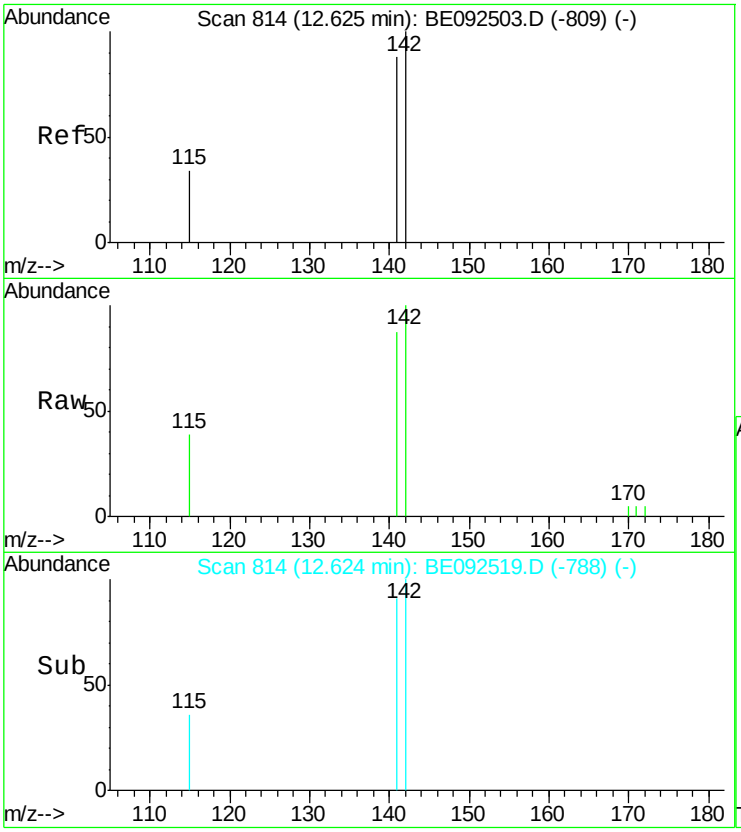


#10
Hexachlorobutadiene
Concen: 0.39 ng
RT: 11.26 min Scan# 724
Delta R.T. -0.02 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:225 Resp: 540

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.6	76.0
227	62.2	51.4	77.0

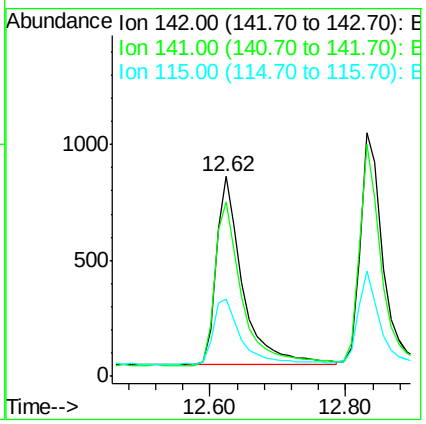




#11
2-Methylnaphthalene
Concen: 0.37 ng
RT: 12.62 min Scan# 814
Delta R.T. -0.00 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:142 Resp: 2206

Ion	Ratio	Lower	Upper
142	100		
141	87.2	73.7	110.5
115	38.6	34.0	51.0



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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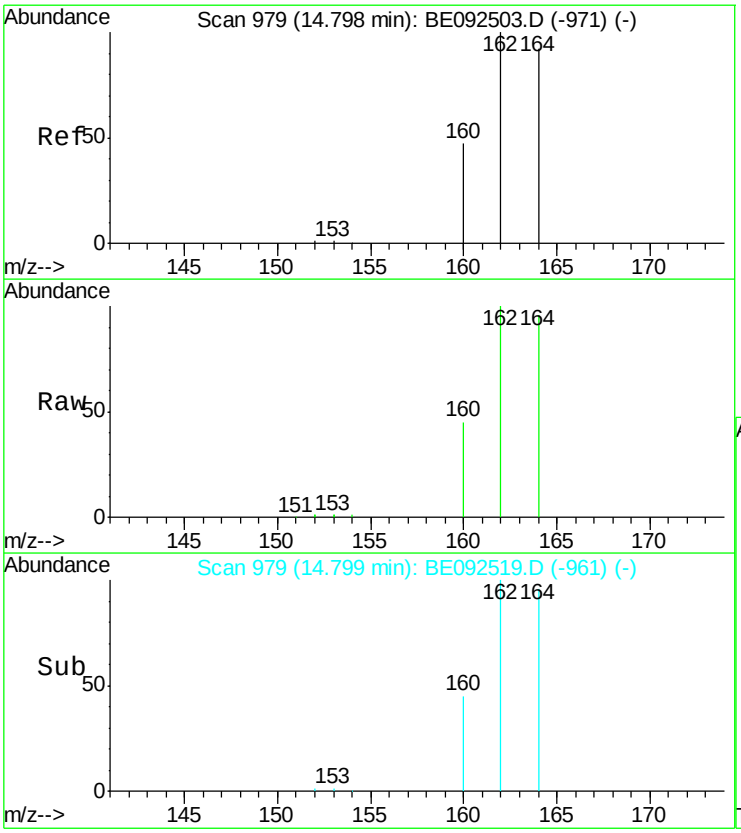
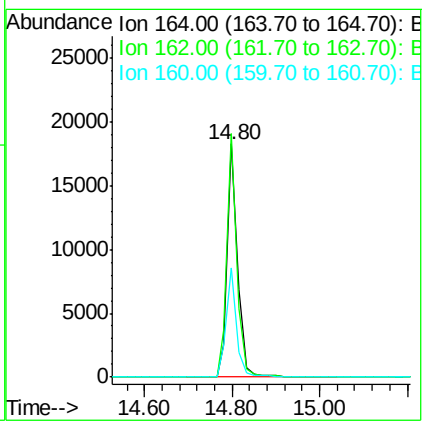
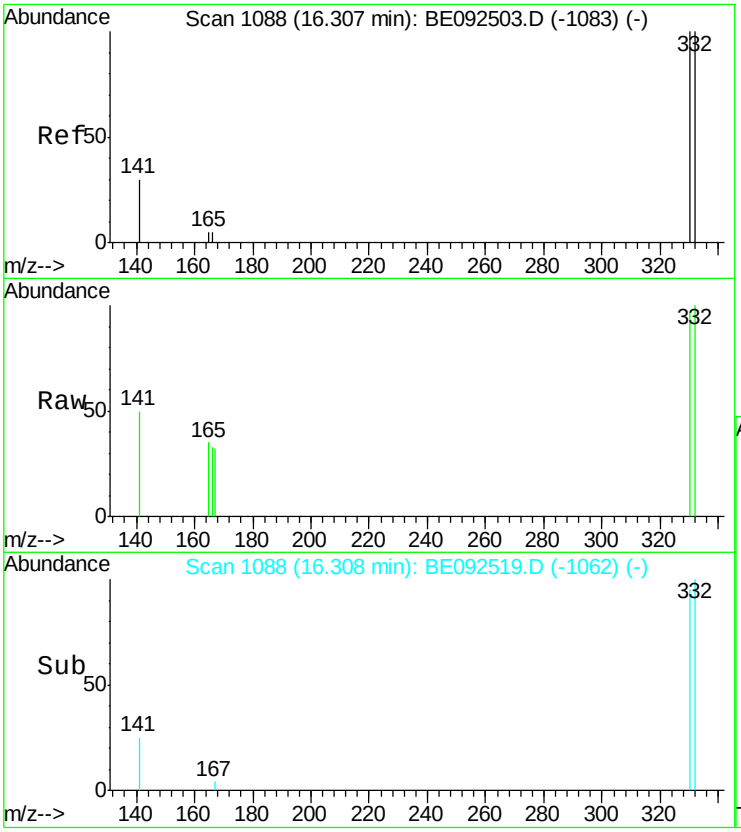


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 979
Delta R.T. 0.00 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:164 Resp: 29340

Ion	Ratio	Lower	Upper
164	100		
162	104.5	71.4	107.0
160	46.6	27.4	41.2#

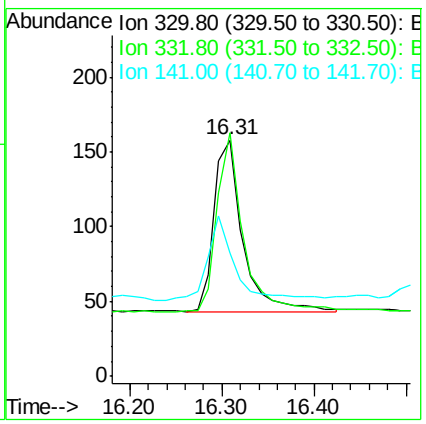




#13
2,4,6-Tribromophenol
Concen: 0.46 ng
RT: 16.31 min Scan# 1088
Delta R.T. 0.00 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:330 Resp: 252

Ion	Ratio	Lower	Upper
330	100		
332	96.0	75.4	113.0
141	44.4	31.0	46.6



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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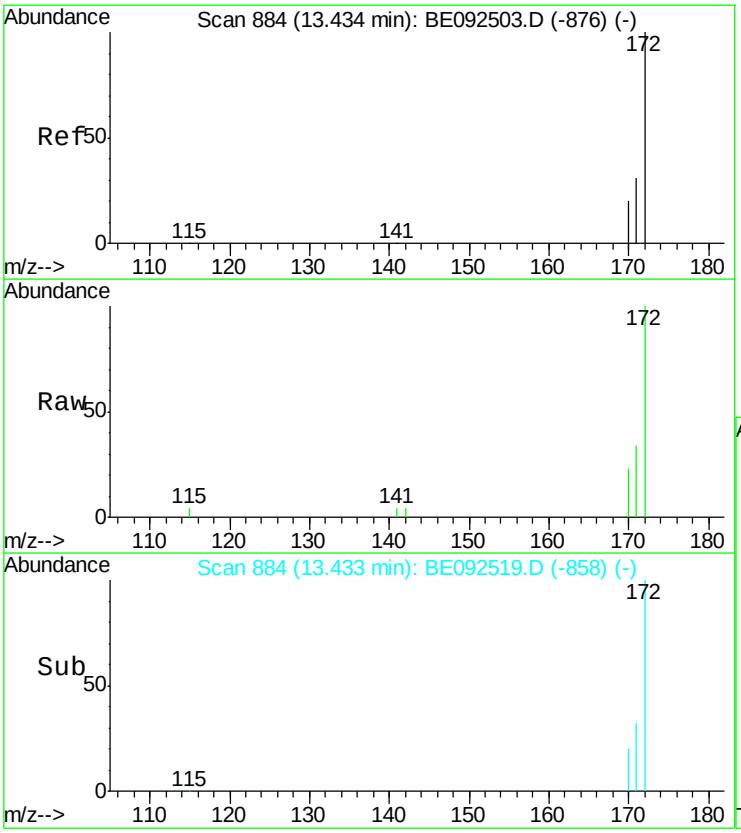
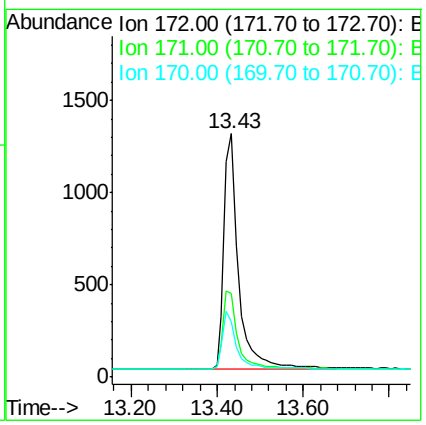
11/9/2016 4:04:43 PM

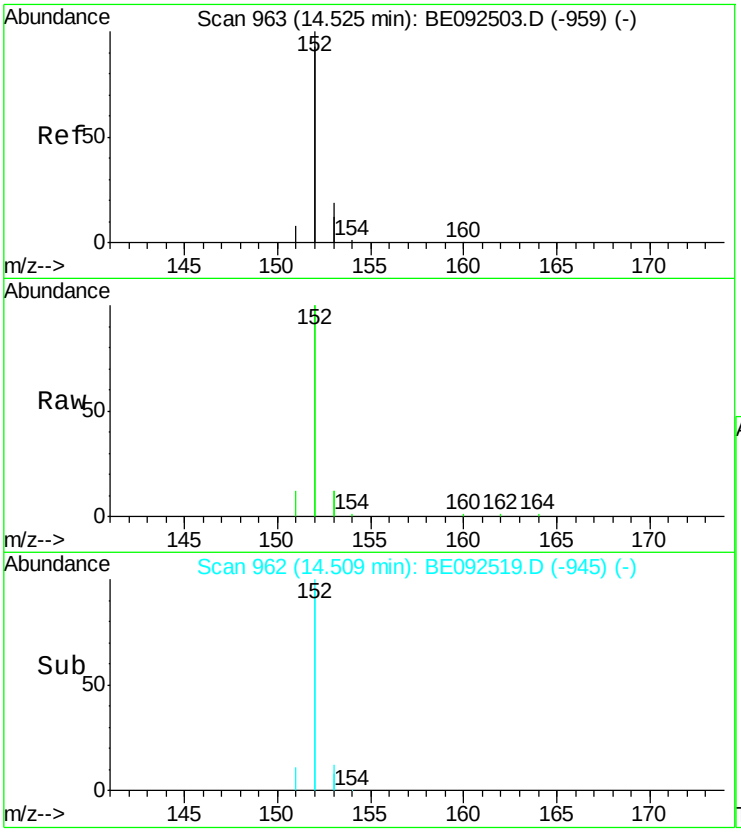


#14
2-Fluorobiphenyl
Concen: 0.41 ng
RT: 13.43 min Scan# 884
Delta R.T. -0.00 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:172 Resp: 2999

Ion	Ratio	Lower	Upper
172	100		
171	34.1	30.1	45.1
170	22.9	21.8	32.6

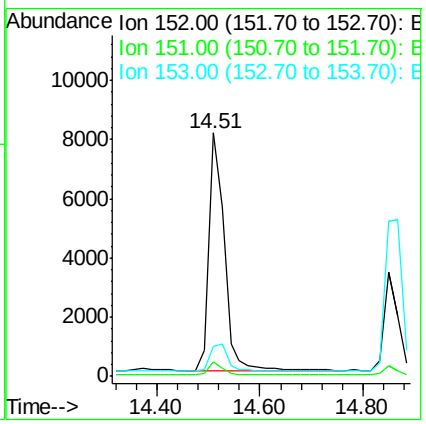




#15
Acenaphthylene
Concen: 0.39 ng
RT: 14.51 min Scan# 962
Delta R.T. -0.02 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:152 Resp: 16424

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	12.8	10.4	15.6



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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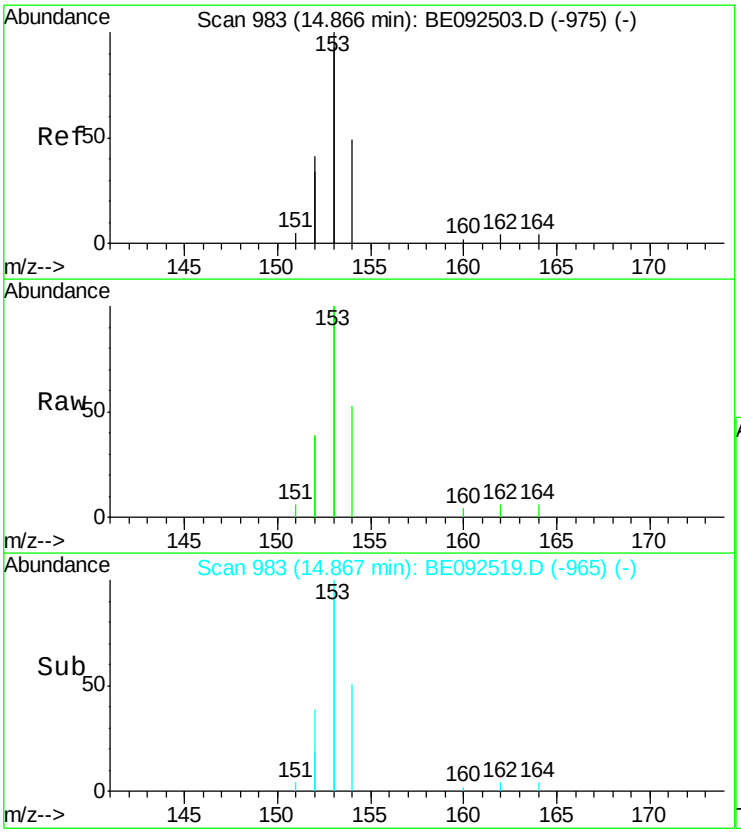
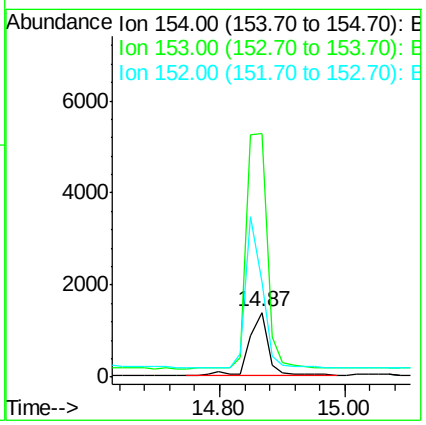
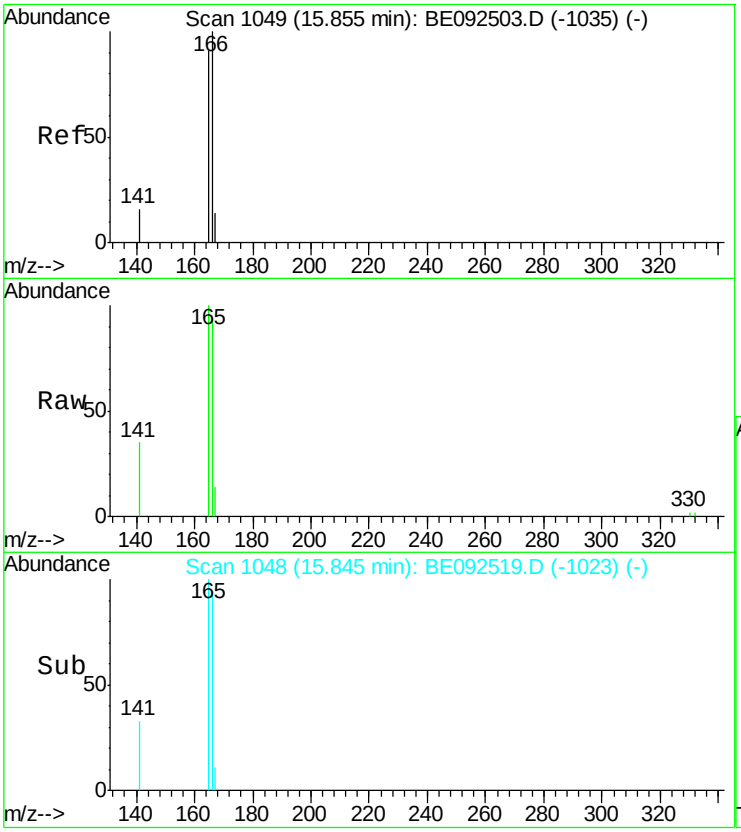


#16
Acenaphthene
Concen: 0.40 ng
RT: 14.87 min Scan# 983
Delta R.T. 0.00 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:154 Resp: 2689

Ion	Ratio	Lower	Upper
154	100		
153	435.4	350.8	526.2
152	225.8	171.1	256.7

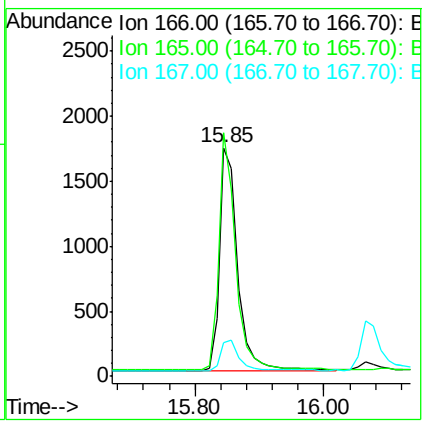




#17
Fluorene
Concen: 0.39 ng
RT: 15.85 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:166 Resp: 3351

Ion	Ratio	Lower	Upper
166	100		
165	100.2	78.2	117.4
167	13.6	11.0	16.4



Instrument :
BNA_E
ClientSampleId :
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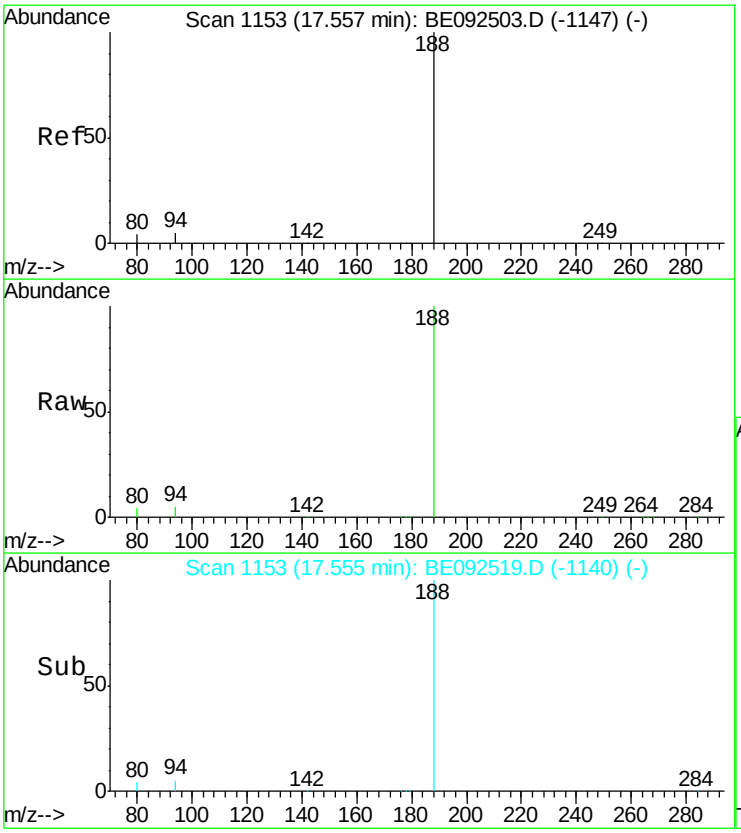
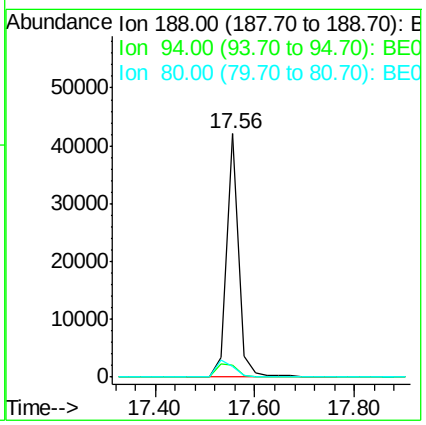
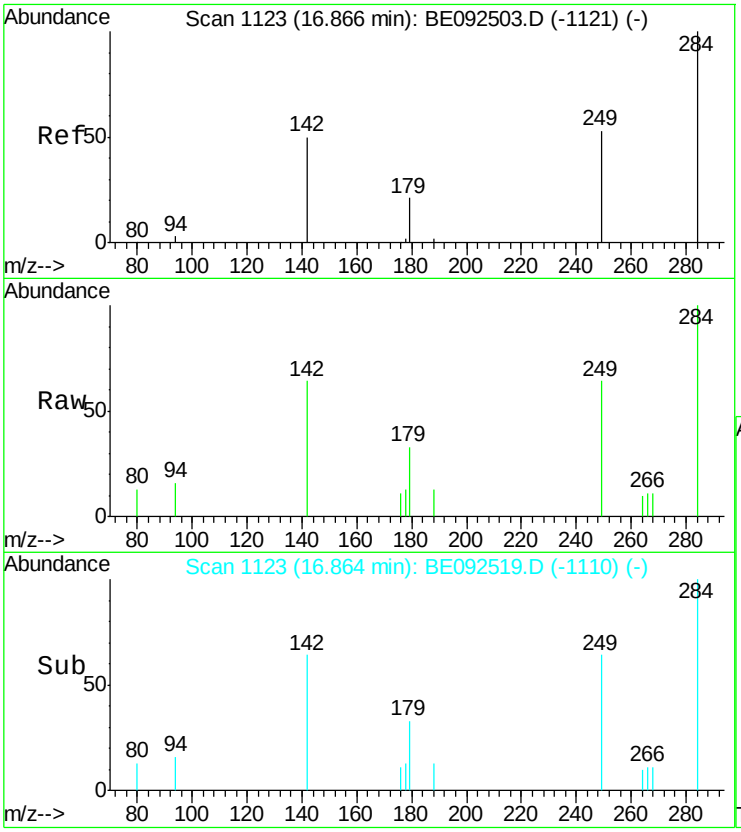


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:188 Resp: 70064

Ion	Ratio	Lower	Upper
188	100		
94	5.0	3.2	4.8#
80	4.5	2.6	3.8#

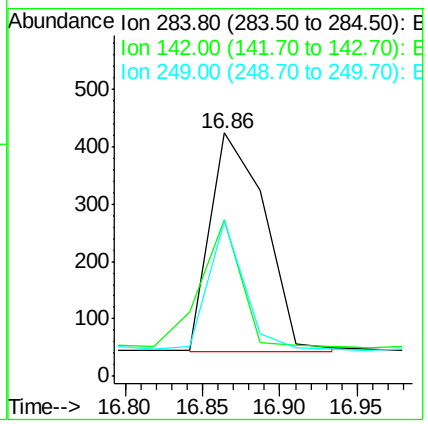




#19
Hexachlorobenzene
Concen: 0.36 ng m
RT: 16.86 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:284 Resp: 949

Ion	Ratio	Lower	Upper
284	100		
142	52.5	29.1	43.7#
249	46.8	27.9	41.9#



Instrument :
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ClientSampleId :
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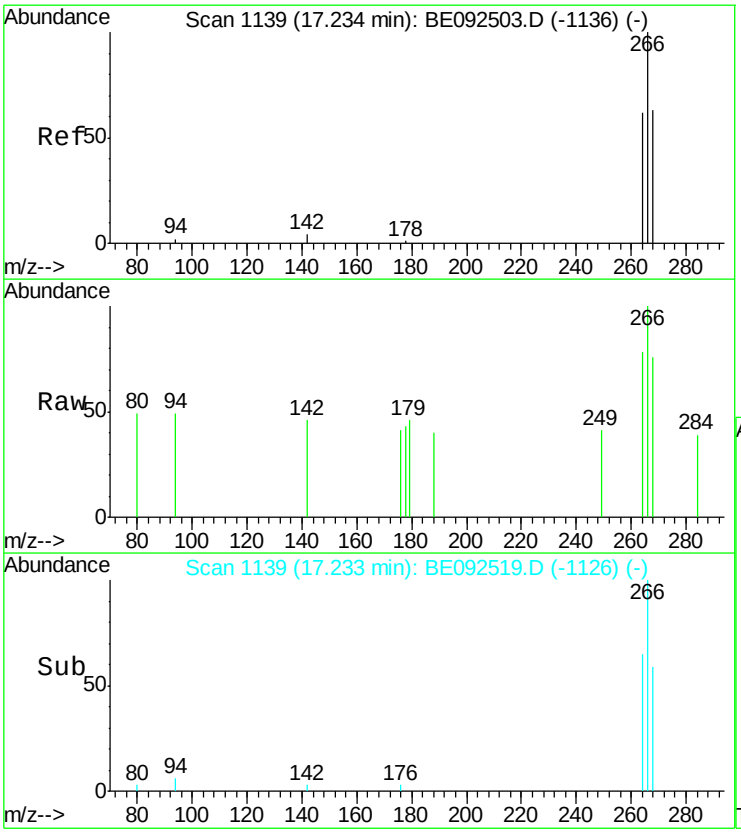
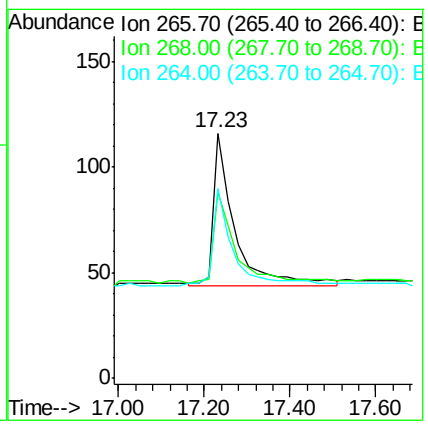
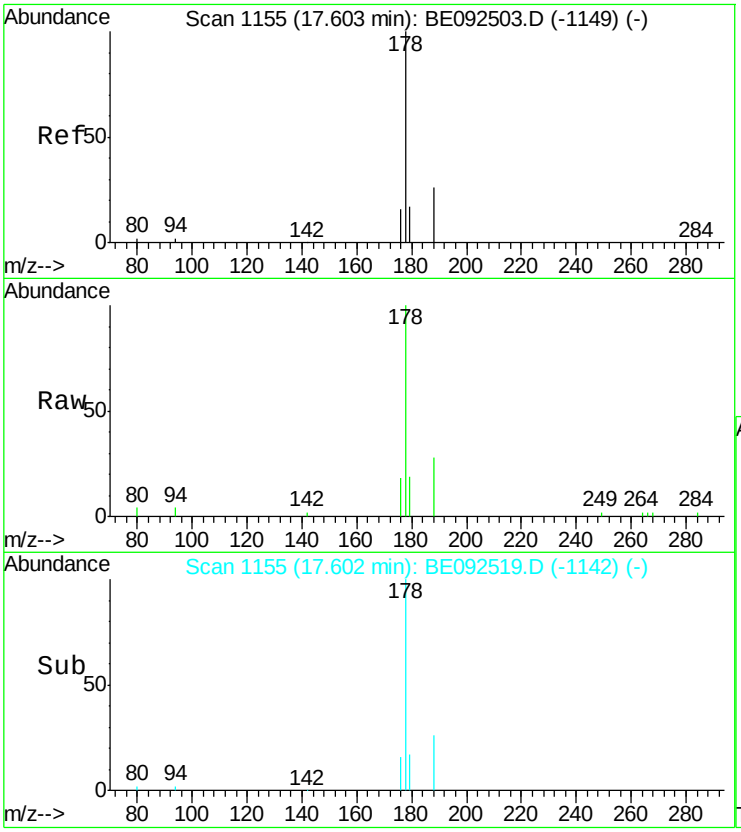


#20
Pentachlorophenol
Concen: 0.32 ng m
RT: 17.23 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:266 Resp: 246

Ion	Ratio	Lower	Upper
266	100		
268	75.9	62.5	93.7
264	77.6	57.2	85.8

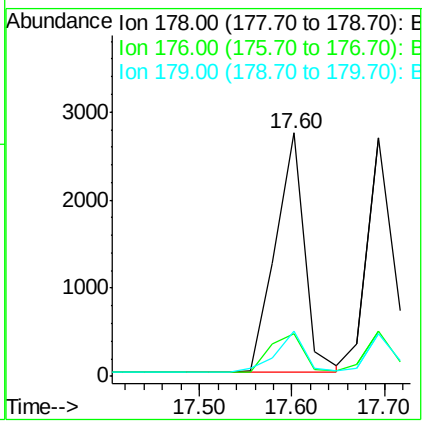




#21
Phenanthrene
Concen: 0.39 ng
RT: 17.60 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:178 Resp: 5885

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	16.2	16.0	24.0



Instrument :
BNA_E
ClientSampleId :
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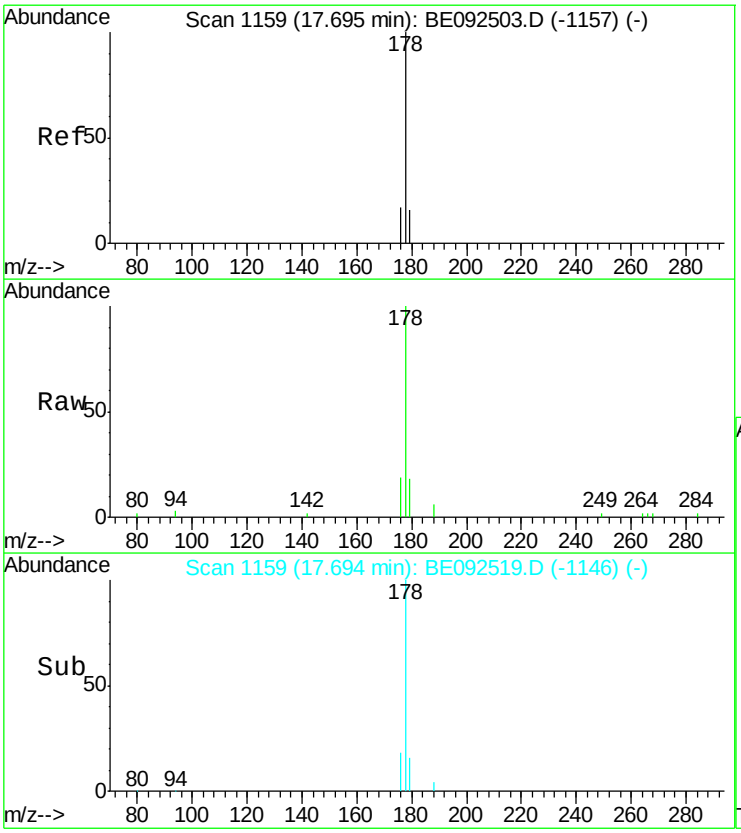
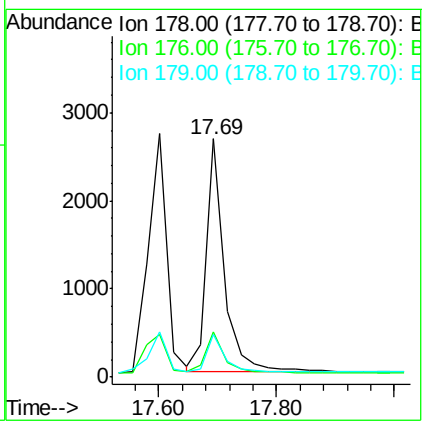
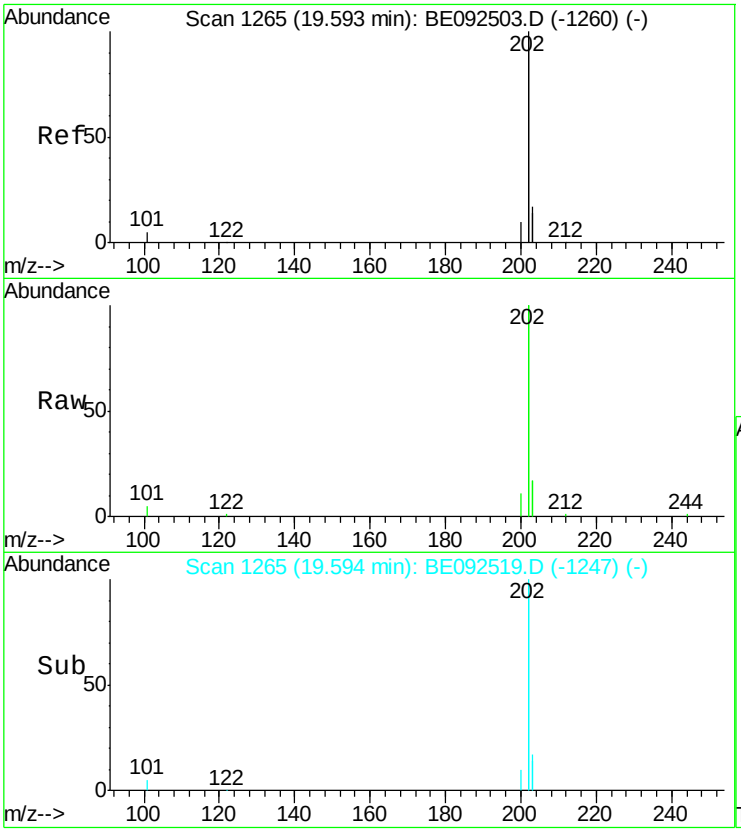


#22
Anthracene
Concen: 0.38 ng
RT: 17.69 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:178 Resp: 5609

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.0	22.4
179	16.5	12.2	18.2

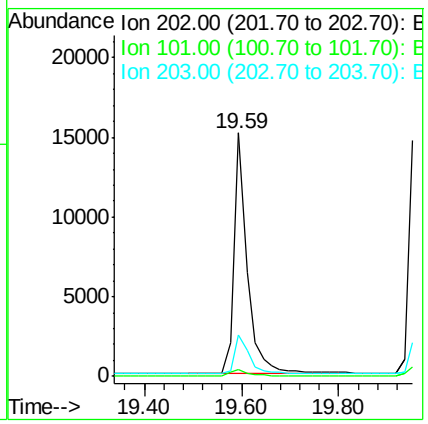




#23
Fluoranthene
Concen: 0.37 ng
RT: 19.59 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:202 Resp: 28218

Ion	Ratio	Lower	Upper
202	100		
101	2.8	2.2	3.4
203	17.6	13.7	20.5



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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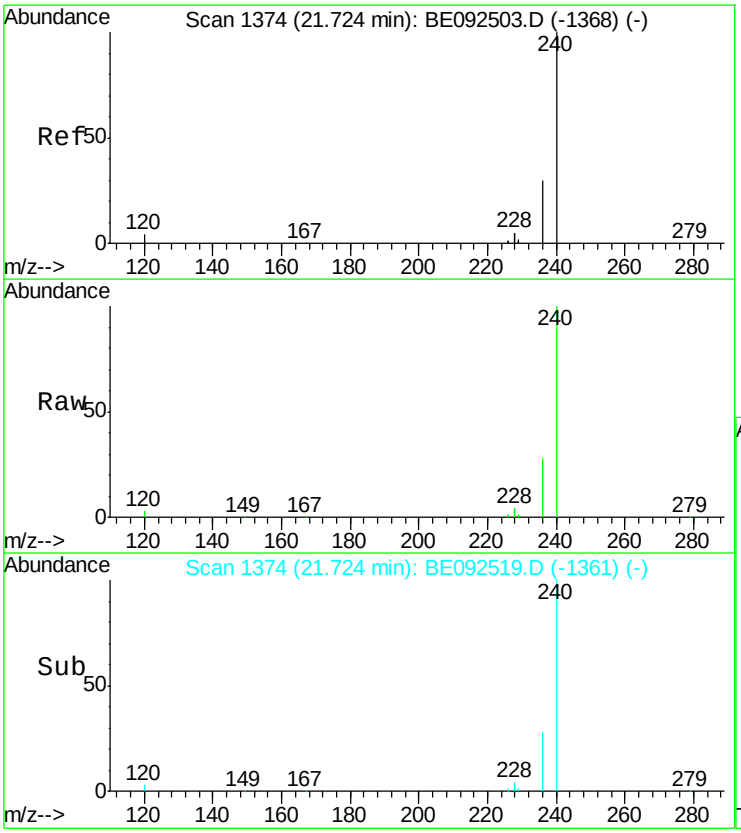
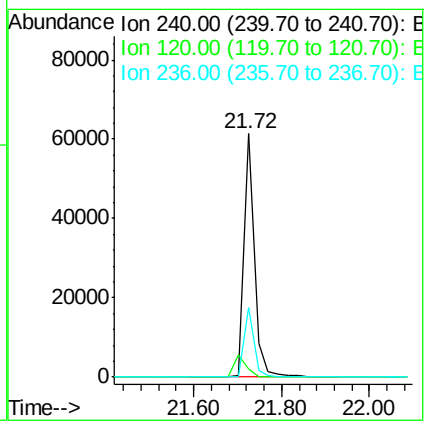
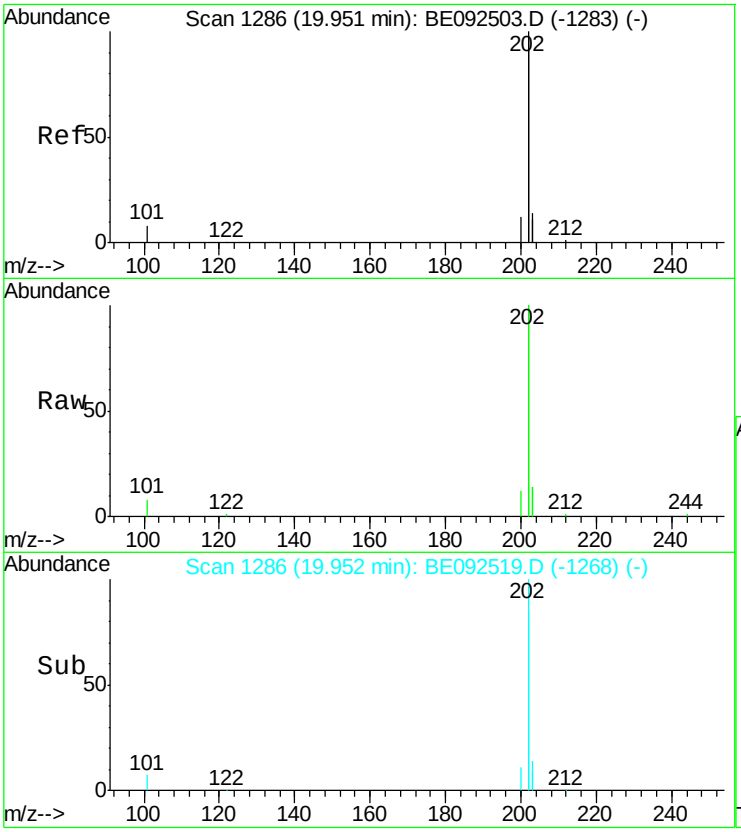


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:240 Resp: 99284

Ion	Ratio	Lower	Upper
240	100		
120	3.1	2.6	4.0
236	28.5	24.6	37.0

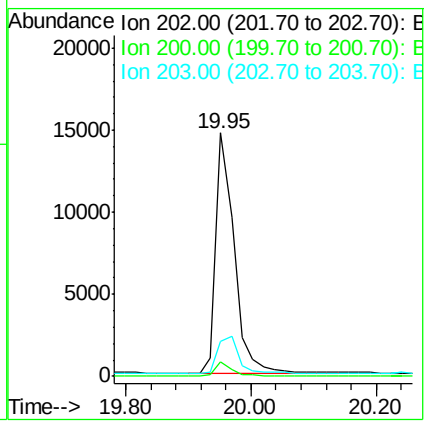




#25
Pyrene
Concen: 0.36 ng
RT: 19.95 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:202 Resp: 29567

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	17.5	13.9	20.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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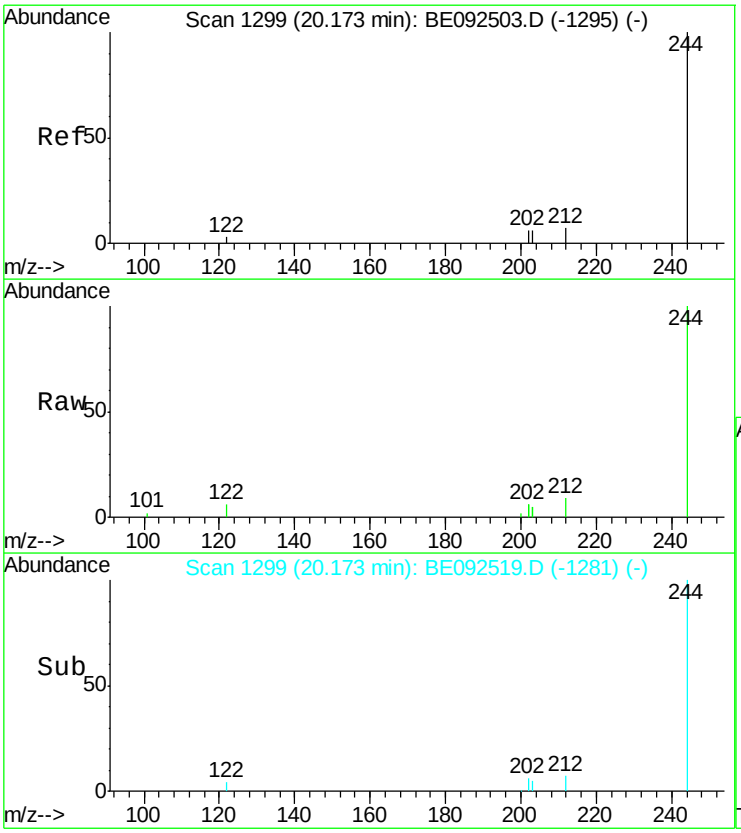
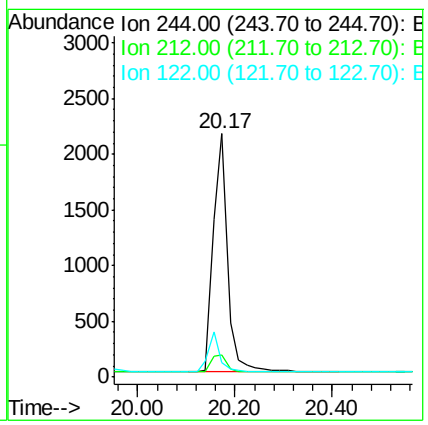
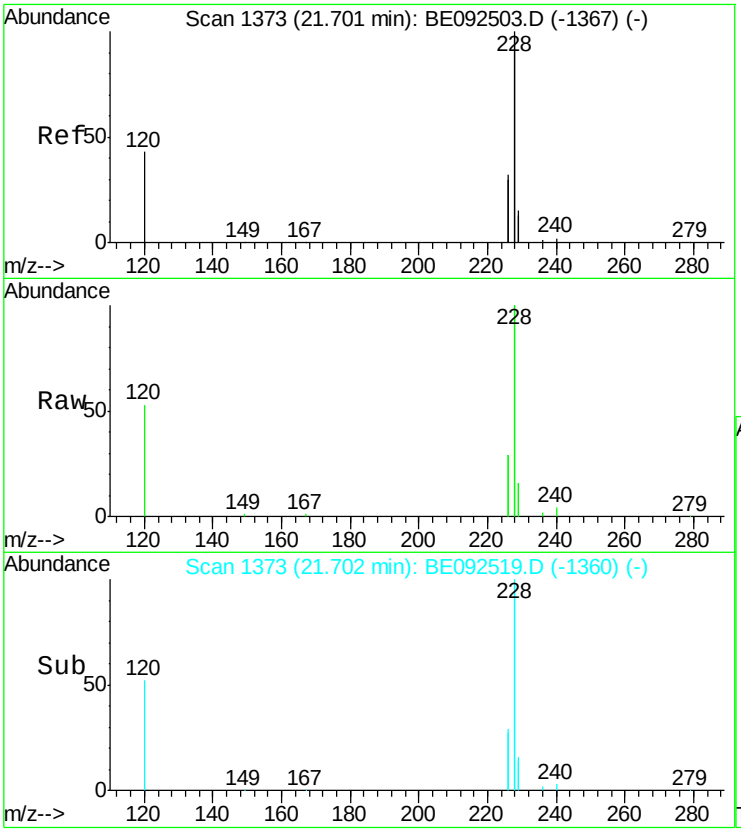


#26
Terphenyl-d14
Concen: 0.37 ng
RT: 20.17 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:244 Resp: 4406

Ion	Ratio	Lower	Upper
244	100		
212	9.2	6.7	10.1
122	6.0	3.6	5.4#

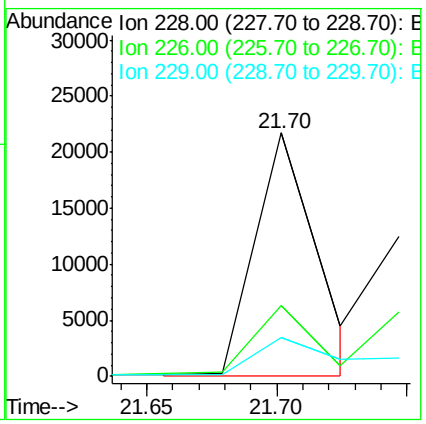




#27
Benzo(a)anthracene
Concen: 0.36 ng m
RT: 21.70 min Scan# 1373
Delta R.T. 0.00 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:228 Resp: 36083

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.6	35.4
229	16.2	13.3	19.9



Instrument :
BNA_E
ClientSampleId :
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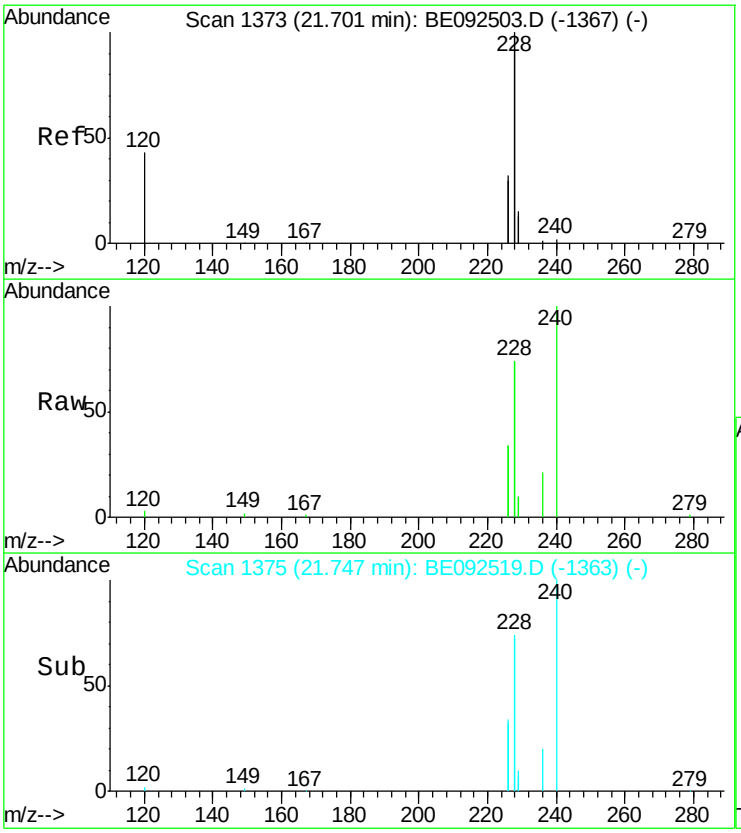
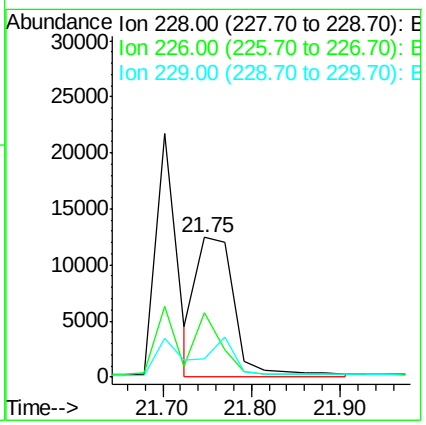
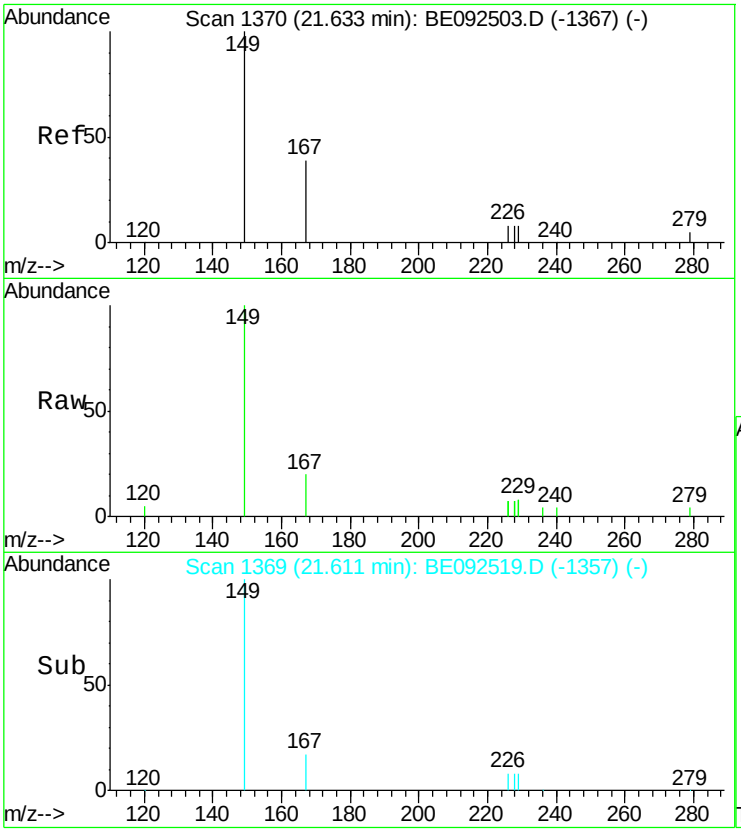


#28
Chrysene
Concen: 0.32 ng m
RT: 21.75 min Scan# 1375
Delta R.T. -0.02 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:228 Resp: 38225

Ion	Ratio	Lower	Upper
228	100		
226	45.8	36.3	54.5
229	13.2	10.6	16.0





#29
Bis(2-ethylhexyl)phthalate
Concen: 0.32 ng
RT: 21.61 min Scan# 1369
Delta R.T. -0.02 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:149 Resp: 2781

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

Instrument :
BNA_E
ClientSampleId :
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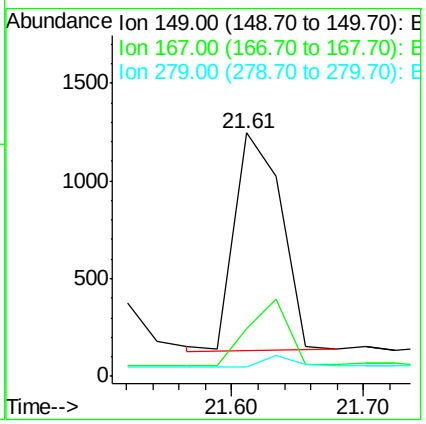
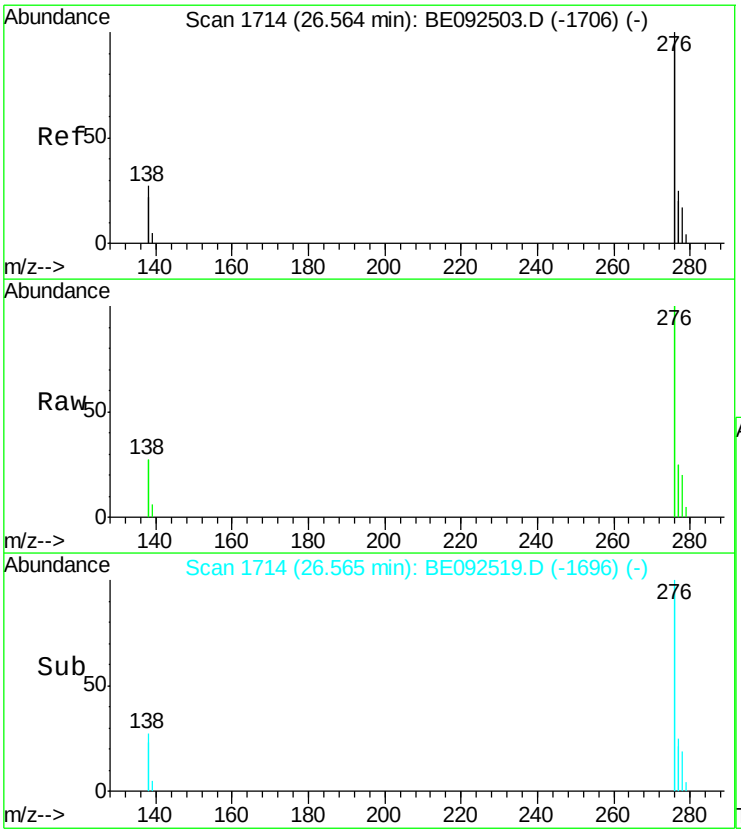
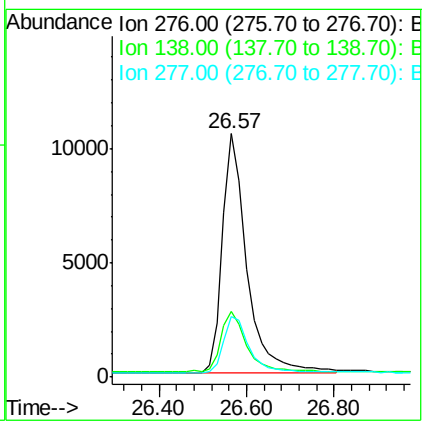


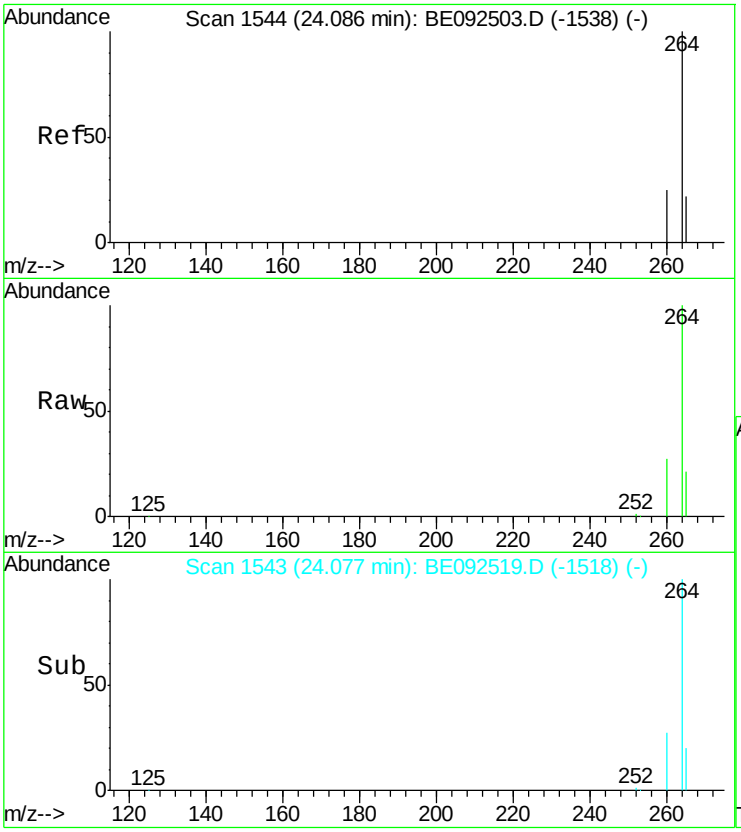


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.37 ng
RT: 26.57 min Scan# 1714
Delta R.T. 0.00 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:276 Resp: 40910

Ion	Ratio	Lower	Upper
276	100		
138	27.4	20.3	30.5
277	24.7	19.7	29.5

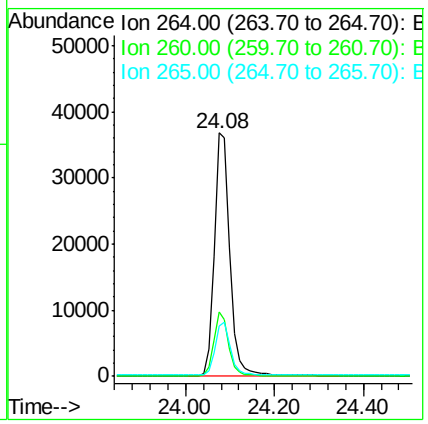




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.08 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:264 Resp: 89475

Ion	Ratio	Lower	Upper
264	100		
260	26.6	20.1	30.1
265	20.9	17.9	26.9



Instrument :
BNA_E
ClientSampleId :
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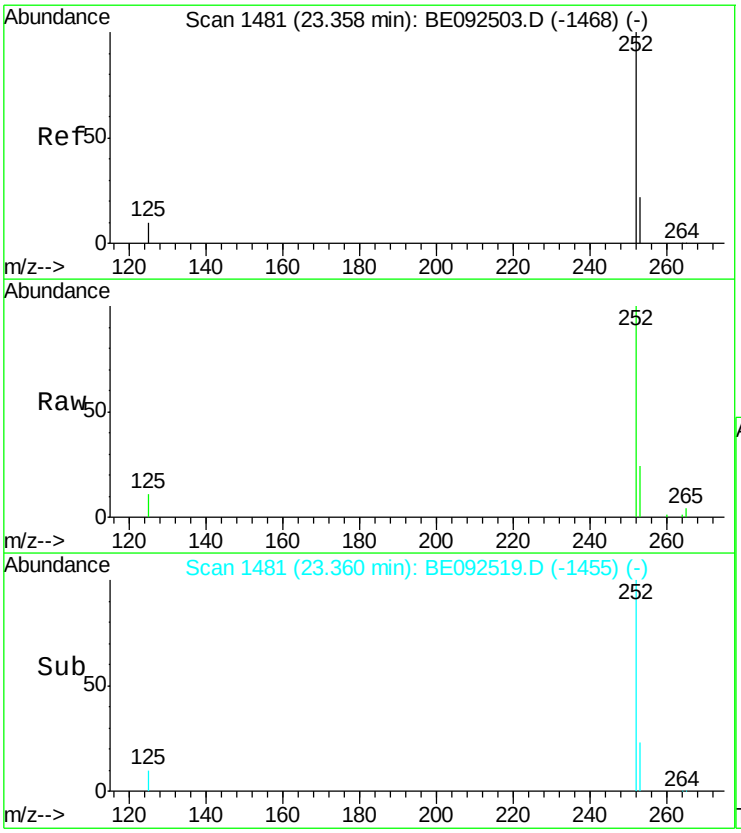
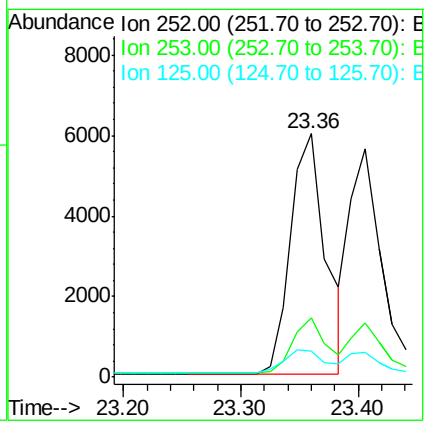
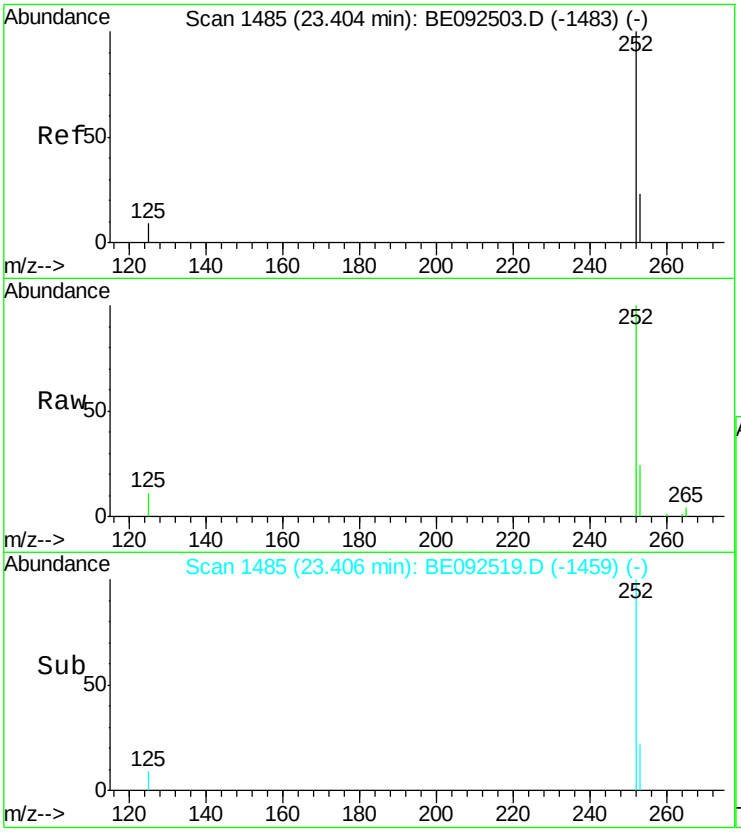


#32
Benzo(b)fluoranthene
Concen: 0.35 ng
RT: 23.36 min Scan# 1481
Delta R.T. 0.00 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:252 Resp: 12427

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.7	28.1
125	10.9	10.5	15.7

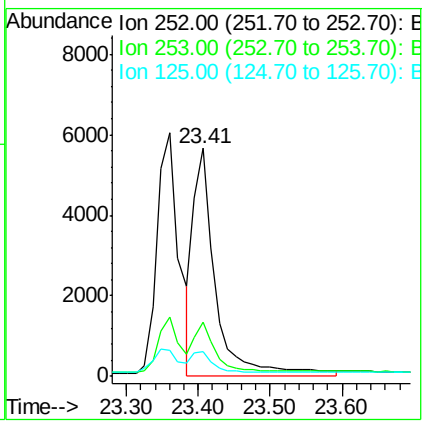




#33
Benzo(k)fluoranthene
Concen: 0.34 ng m
RT: 23.41 min Scan# 1485
Delta R.T. 0.00 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:252 Resp: 12631

Ion	Ratio	Lower	Upper
252	100		
253	23.8	20.3	30.5
125	10.9	9.6	14.4



Instrument :
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ClientSampleId :
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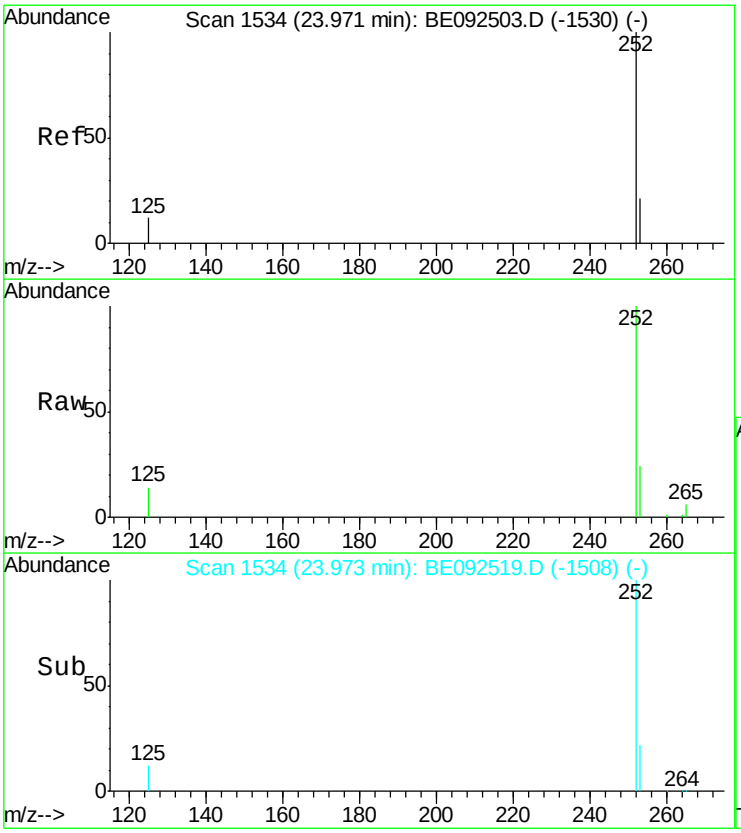
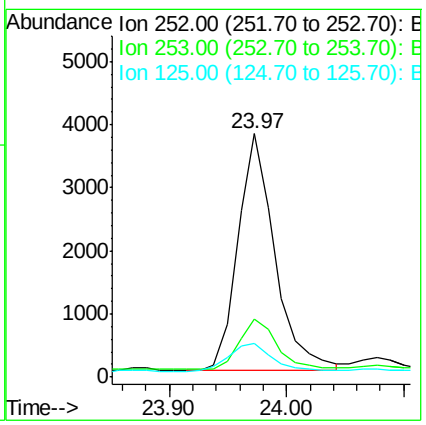
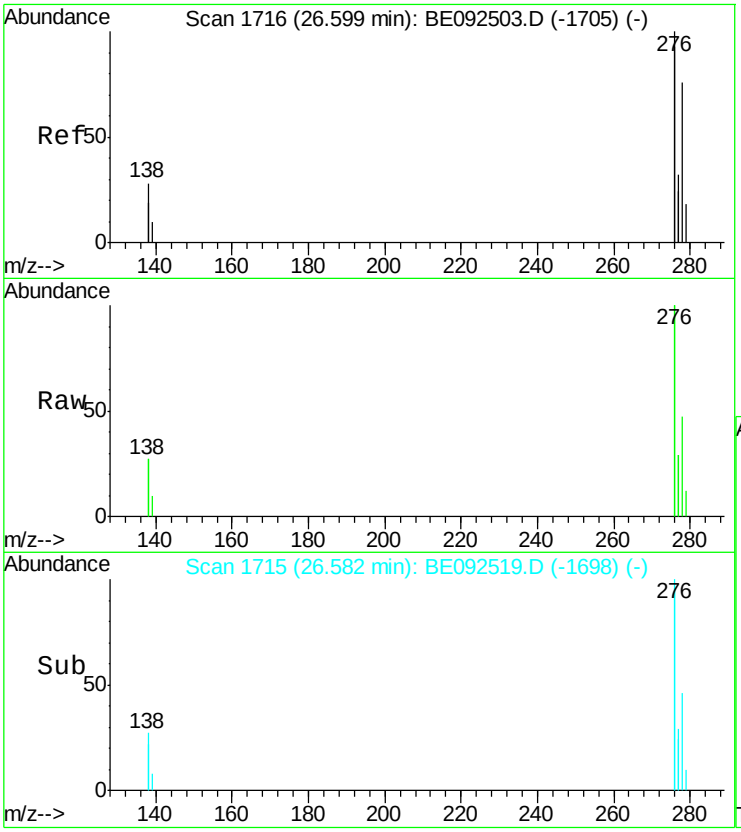


#34
Benzo(a)pyrene
Concen: 0.36 ng
RT: 23.97 min Scan# 1534
Delta R.T. 0.00 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:252 Resp: 8243

Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.0	28.6
125	13.7	11.8	17.8

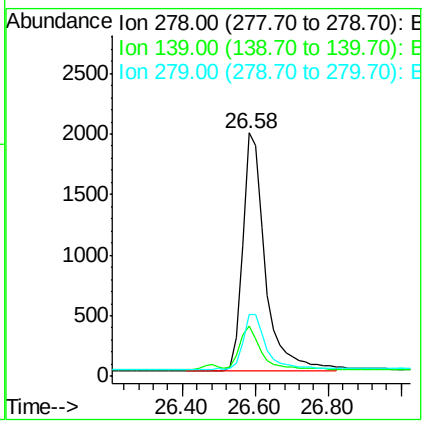




#35
Dibenzo(a,h)anthracene
Concen: 0.38 ng
RT: 26.58 min Scan# 1715
Delta R.T. -0.02 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:278 Resp: 8349

Ion	Ratio	Lower	Upper
278	100		
139	20.6	13.8	20.8
279	25.2	21.4	32.2



Instrument :
BNA_E
ClientSampleId :
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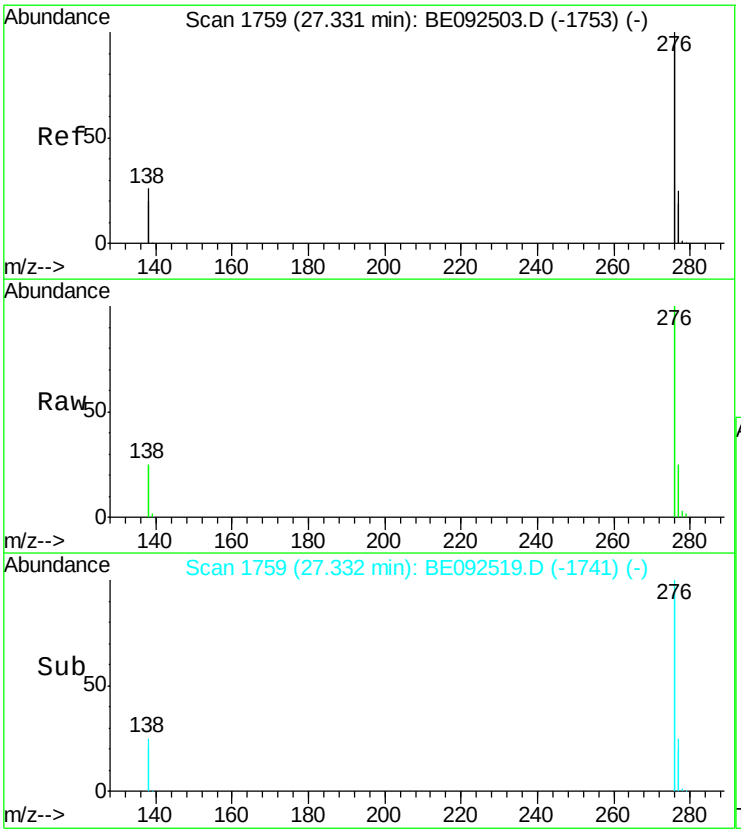

#36
Benzo(g,h,i)perylene
Concen: 0.39 ng
RT: 27.33 min Scan# 1759
Delta R.T. 0.00 min
Lab File: BE092519.D
Acq: 9 Nov 2016 10:58

Tgt Ion:276 Resp: 34853

Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.8	29.8
138	25.3	19.8	29.6