Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081116\
Data File : BE092263.D
Acq On : 11 Aug 2016 12:46
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Manual Integrations APPROVED
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Quant Time: Aug 11 17:12:21 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 10 11:12:32 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	13643	5.00	ng		0.00
7) Naphthalene-d8	10.97	136	64938	5.00	ng		0.00
12) Acenaphthene-d10	14.83	164	36438	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	89727	5.00	ng		0.00
24) Chrysene-d12	21.73	240	84203	5.00	ng		-0.02
31) Perylene-d12	24.13	264	87534	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.70	112	1184	0.40	ng		0.00
5) Phenol-d6	7.34	99	1589	0.37	ng		-0.02
8) Nitrobenzene-d5	9.34	82	1690	0.37	ng		-0.02
13) 2,4,6-Tribromophenol	16.33	330	372	0.50	ng		0.00
14) 2-Fluorobiphenyl	13.46	172	4520	0.40	ng		-0.01
26) Terphenyl-d14	20.19	244	5519	0.39	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.43	88	684	0.37	ng		96
3) n-Nitrosodimethylamine	3.80	42	821	0.47	ng	#	95
6) bis(2-Chloroethyl)ether	7.59	93	1462	0.42	ng		94
9) Naphthalene	11.01	128	5801	0.40	ng		94
10) Hexachlorobutadiene	11.30	225	861	0.41	ng		97
11) 2-Methylnaphthalene	12.65	142	3634	0.40	ng		98
15) Acenaphthylene	14.54	152	24792	0.39	ng		99
16) Acenaphthene	14.90	154	4019	0.40	ng		97
17) Fluorene	15.88	166	4880	0.40	ng		99
19) Hexachlorobenzene	16.89	284	1337	0.38	ng	#	100
20) Pentachlorophenol	17.24	266	340	0.46	ng		89
21) Phenanthrene	17.60	178	9135	0.39	ng		99
22) Anthracene	17.70	178	7781	0.37	ng		99
23) Fluoranthene	19.63	202	34945	0.38	ng		99
25) Pyrene	19.99	202	38555	0.39	ng		100
27) Benzo(a)anthracene	21.70	228	41391	0.41	ng	#	64
28) Chrysene	21.77	228	35336m	0.38	ng		
29) Bis(2-ethylhexyl)phthalate	21.64	149	4015	0.46	ng	#	95
30) Indeno(1,2,3-cd)pyrene	26.63	276	38971	0.39	ng		99
32) Benzo(b)fluoranthene	23.39	252	9112	0.40	ng		99
33) Benzo(k)fluoranthene	23.44	252	9053	0.39	ng		98
34) Benzo(a)pyrene	24.02	252	8593	0.40	ng		99
35) Dibenzo(a,h)anthracene	26.65	278	7913	0.39	ng		98
36) Benzo(g,h,i)perylene	27.40	276	33291	0.38	ng		96

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 10 11:12:32 2016
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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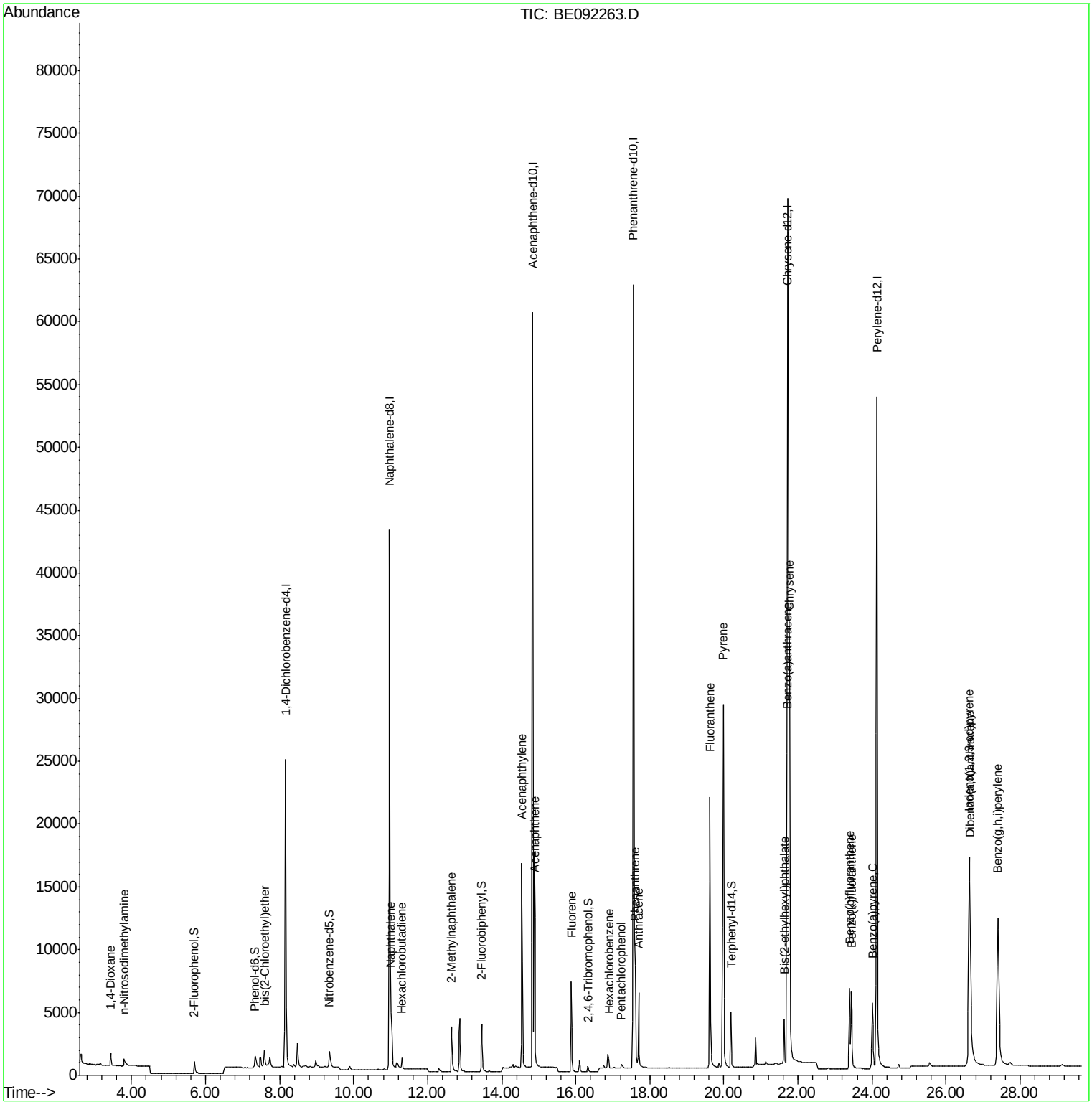
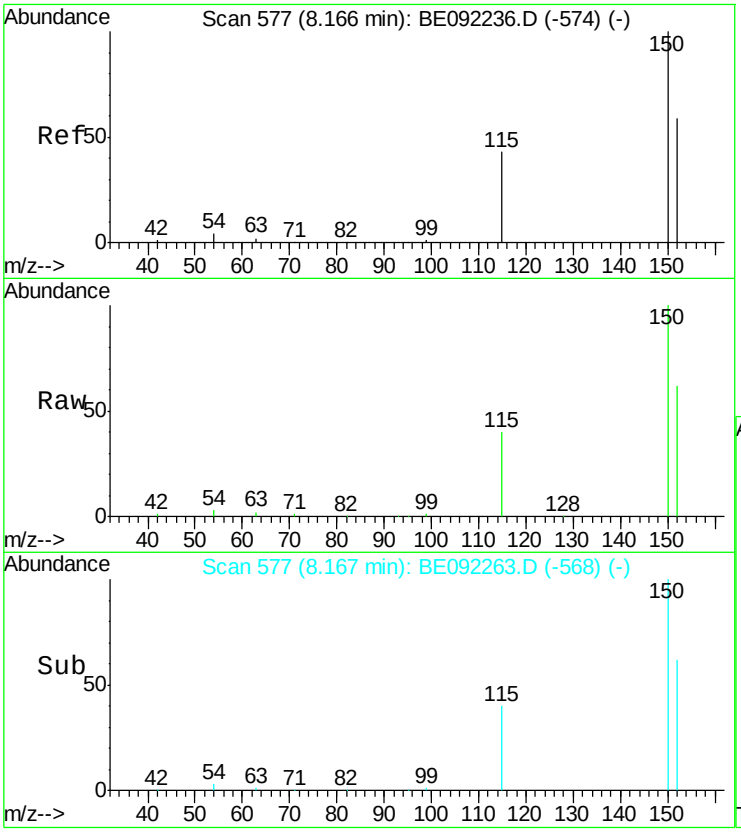
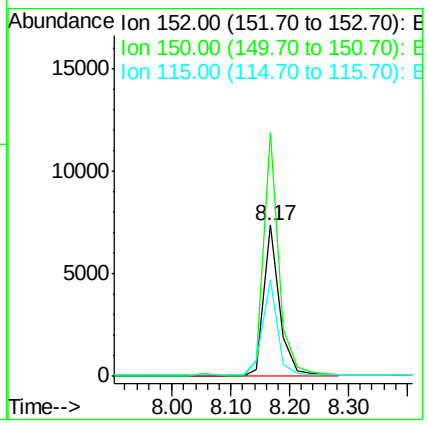




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.17 min Scan# 577
Delta R.T. 0.00 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:152 Resp: 13643

Ion	Ratio	Lower	Upper
152	100		
150	160.8	135.6	203.4
115	64.1	59.4	89.0



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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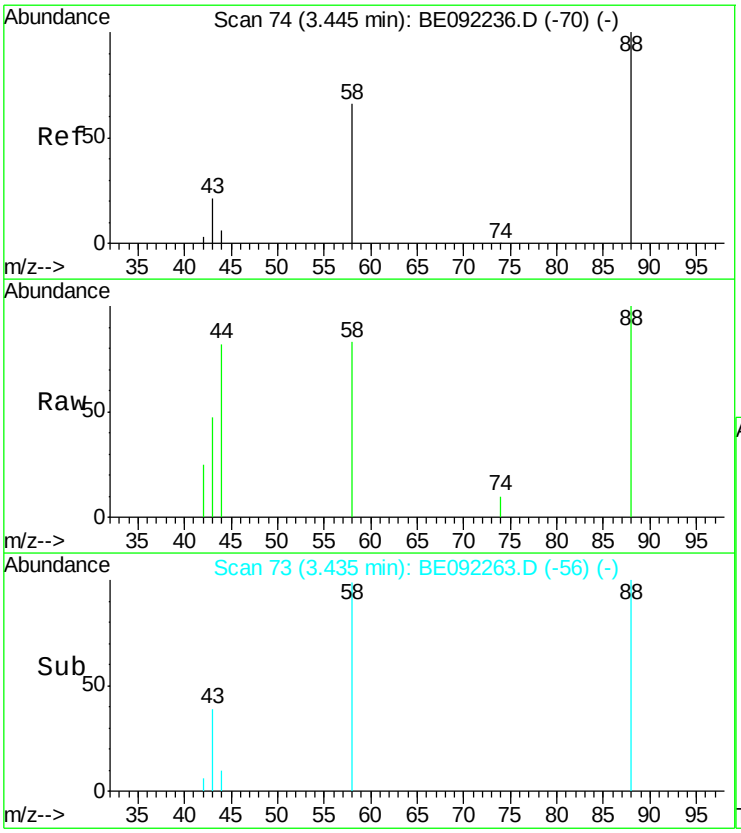
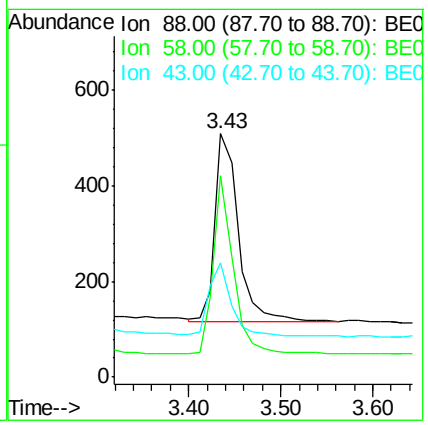
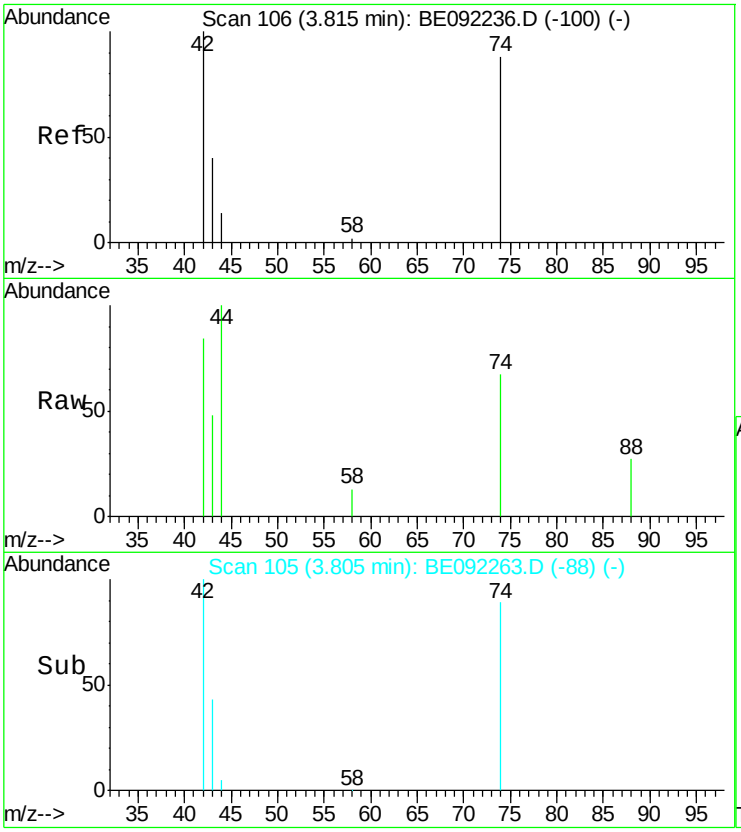


#2
1,4-Dioxane
Concen: 0.37 ng
RT: 3.43 min Scan# 73
Delta R.T. -0.01 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion: 88 Resp: 684

Ion	Ratio	Lower	Upper
88	100		
58	83.3	64.4	96.6
43	38.6	33.4	50.2

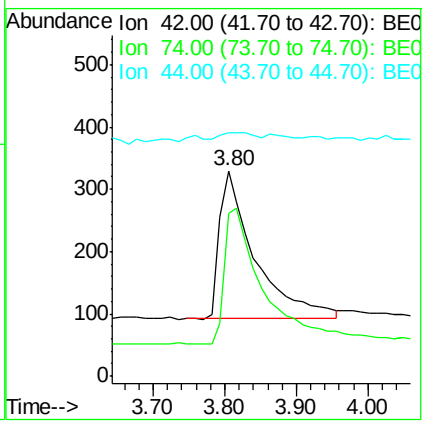




#3
n-Nitrosodimethylamine
Concen: 0.47 ng
RT: 3.80 min Scan# 105
Delta R.T. -0.01 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion: 42 Resp: 821

Ion	Ratio	Lower	Upper
42	100		
74	101.6	77.2	115.8
44	4.9	5.0	7.4#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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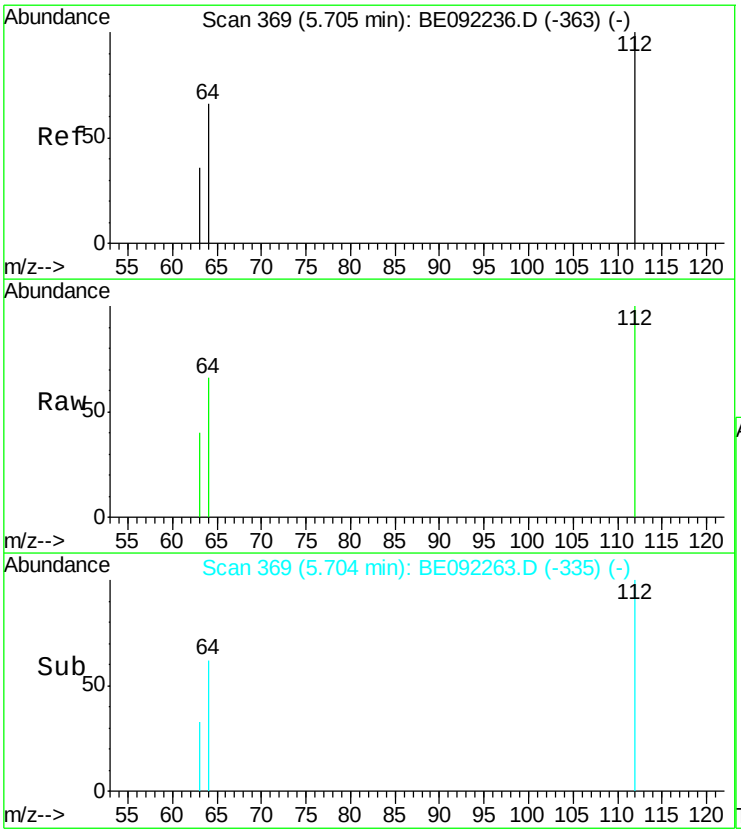
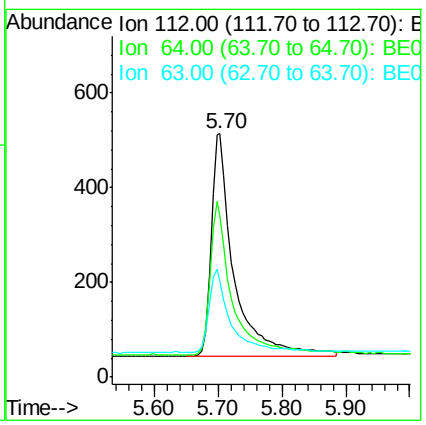
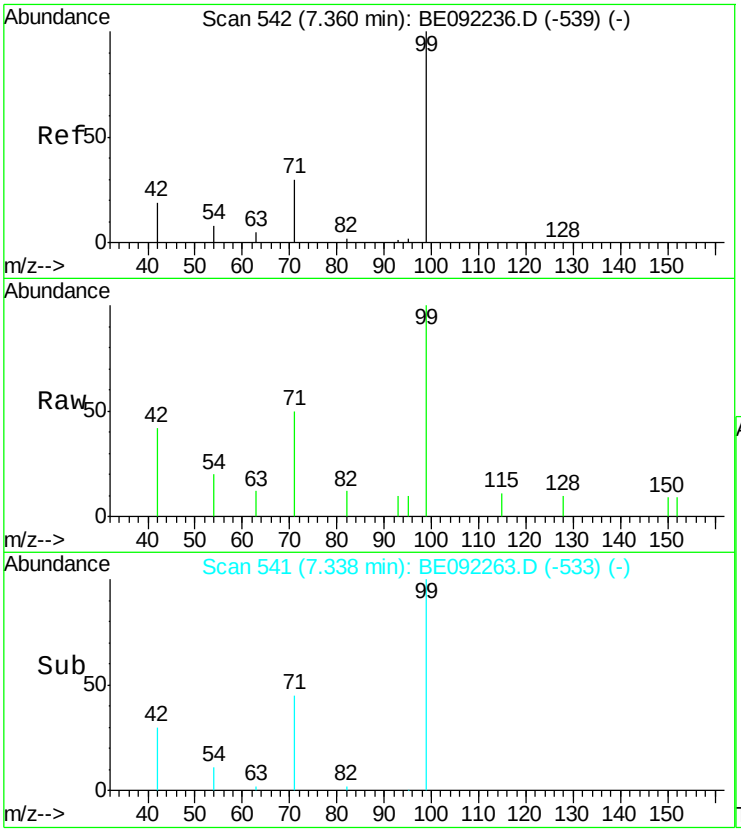


#4
2-Fluorophenol
Concen: 0.40 ng
RT: 5.70 min Scan# 369
Delta R.T. -0.00 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:112 Resp: 1184

Ion	Ratio	Lower	Upper
112	100		
64	65.9	53.2	79.8
63	36.8	27.4	41.2





#5
Phenol-d6
Concen: 0.37 ng
RT: 7.34 min Scan# 541
Delta R.T. -0.02 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion: 99 Resp: 1589

Ion	Ratio	Lower	Upper
99	100		
42	25.7	0.0	0.0#
71	35.4	29.8	44.8

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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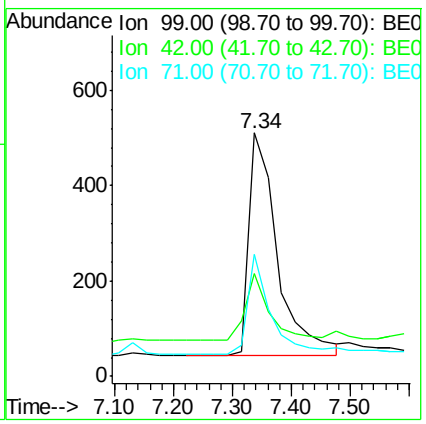
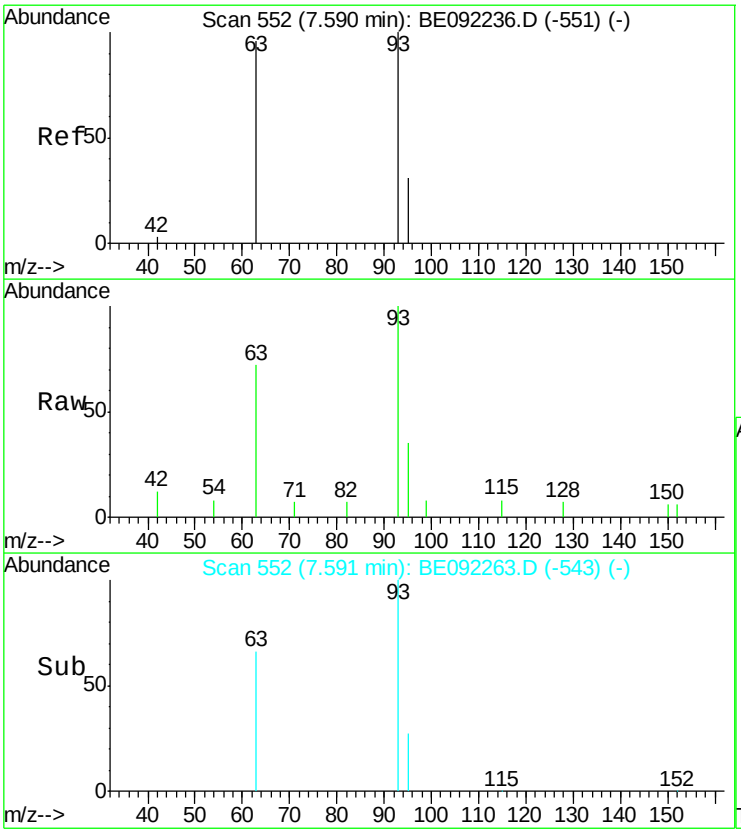
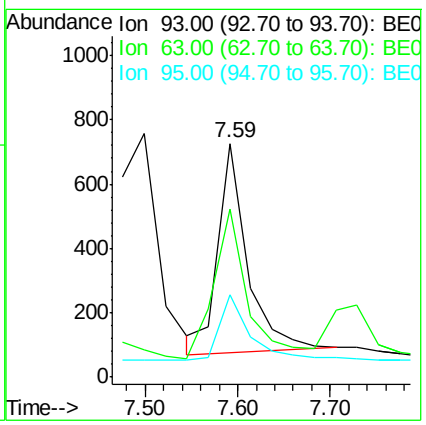


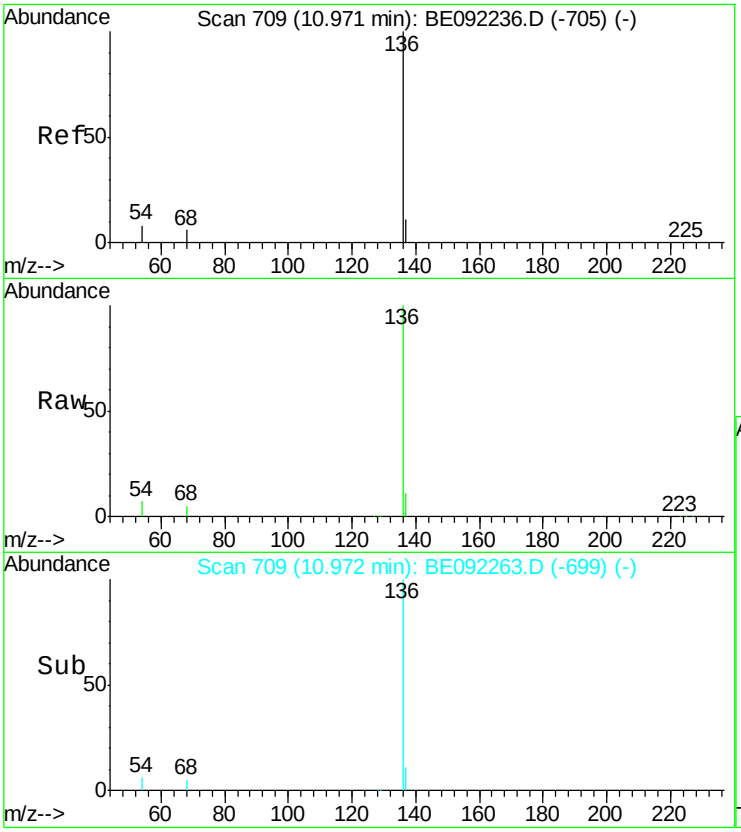


#6
bis(2-Chloroethyl)ether
Concen: 0.42 ng
RT: 7.59 min Scan# 552
Delta R.T. 0.00 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion: 93 Resp: 1462

Ion	Ratio	Lower	Upper
93	100		
63	78.4	68.5	102.7
95	32.8	27.2	40.8

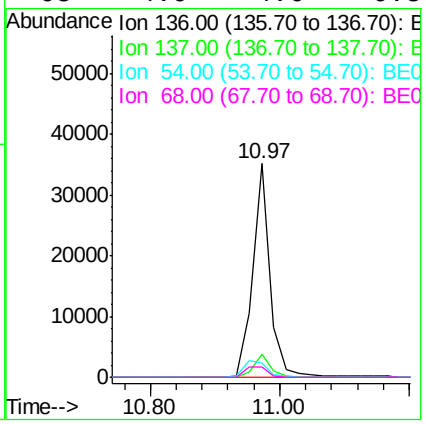




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.97 min Scan# 709
Delta R.T. 0.00 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:136 Resp: 64938

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	6.6	6.2	9.4
68	4.9	4.6	6.8



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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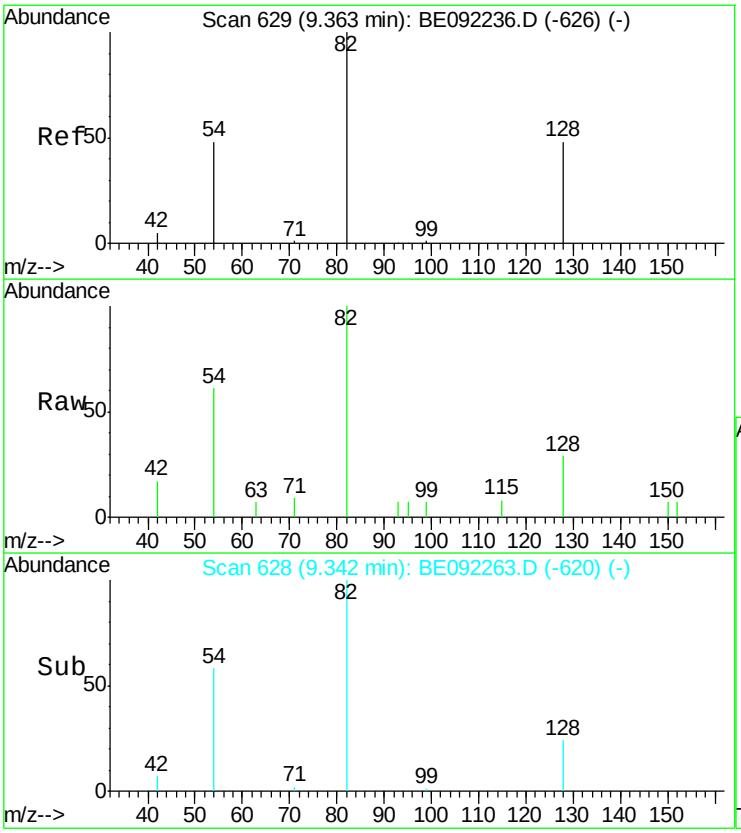
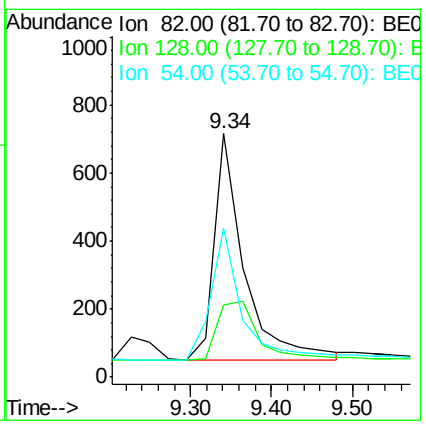
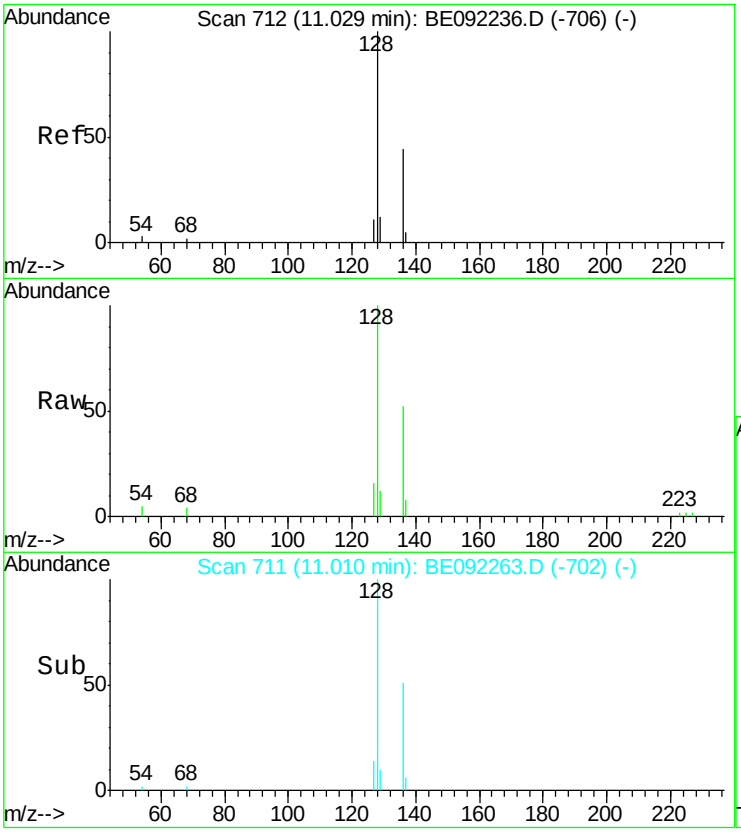


#8
Nitrobenzene-d5
Concen: 0.37 ng
RT: 9.34 min Scan# 628
Delta R.T. -0.02 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion: 82 Resp: 1690

Ion	Ratio	Lower	Upper
82	100		
128	29.5	45.0	67.4#
54	61.3	45.4	68.2

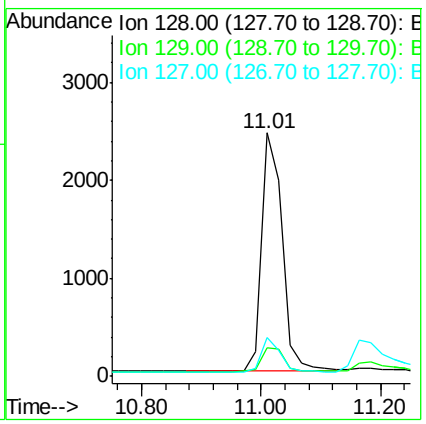




#9
Naphthalene
Concen: 0.40 ng
RT: 11.01 min Scan# 711
Delta R.T. -0.02 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:128 Resp: 5801

Ion	Ratio	Lower	Upper
128	100		
129	11.7	11.5	17.3
127	15.7	11.0	16.6



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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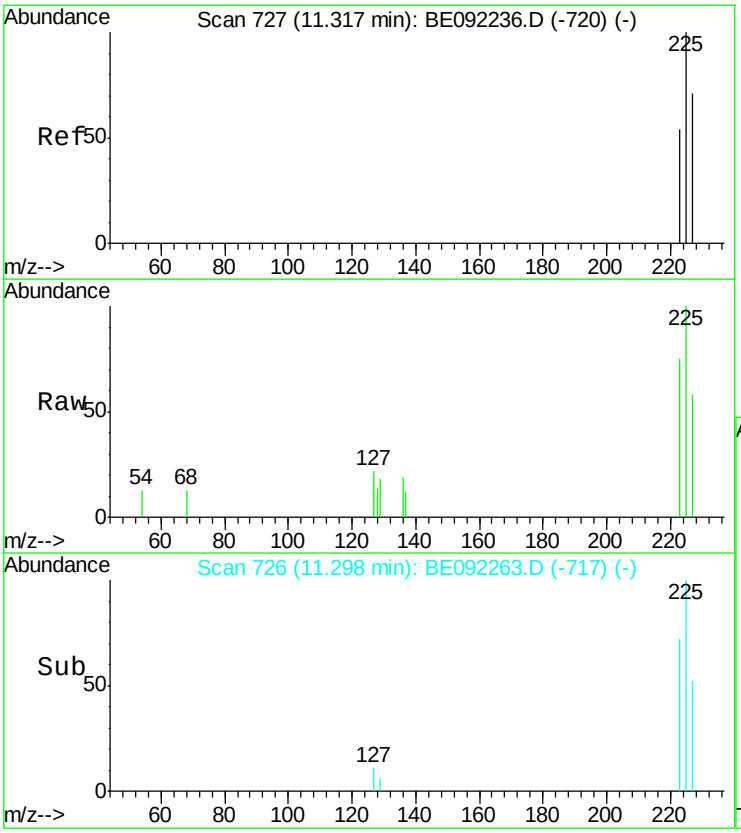
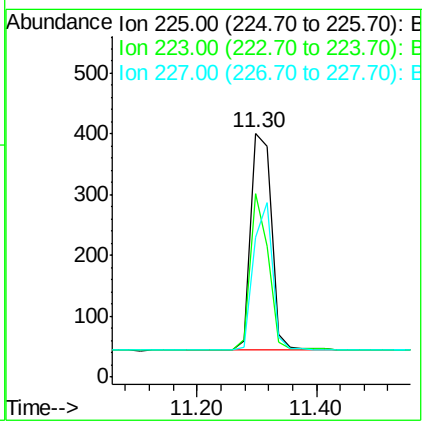
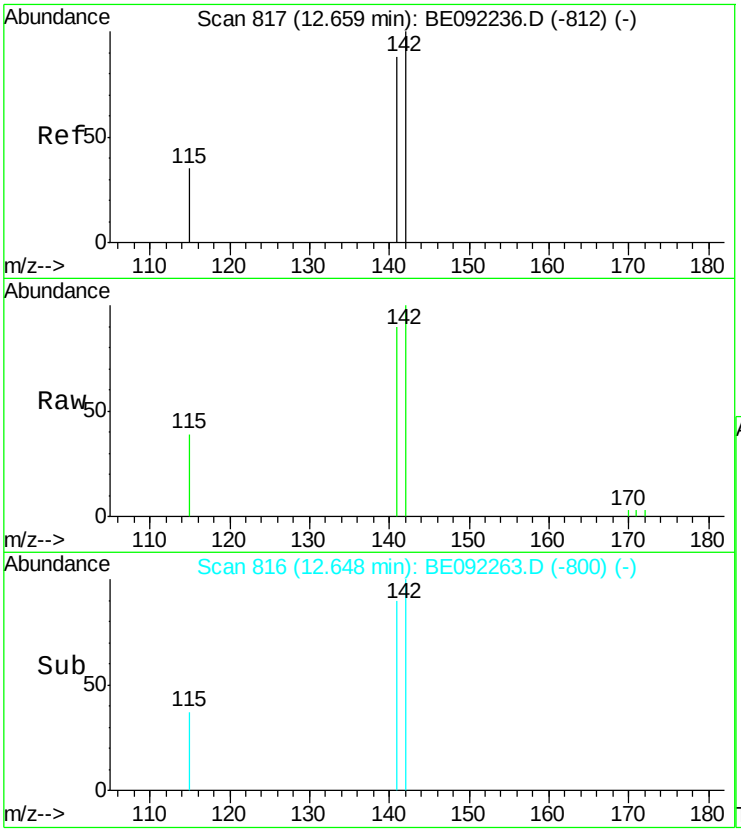


#10
Hexachlorobutadiene
Concen: 0.41 ng
RT: 11.30 min Scan# 726
Delta R.T. -0.02 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:225 Resp: 861

Ion	Ratio	Lower	Upper
225	100		
223	61.8	52.2	78.4
227	62.3	51.0	76.6

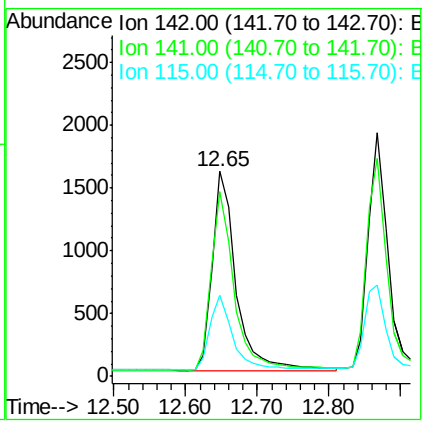




#11
2-Methylnaphthalene
Concen: 0.40 ng
RT: 12.65 min Scan# 816
Delta R.T. -0.01 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:142 Resp: 3634

Ion	Ratio	Lower	Upper
142	100		
141	90.1	70.6	105.8
115	39.4	31.0	46.4



Instrument :
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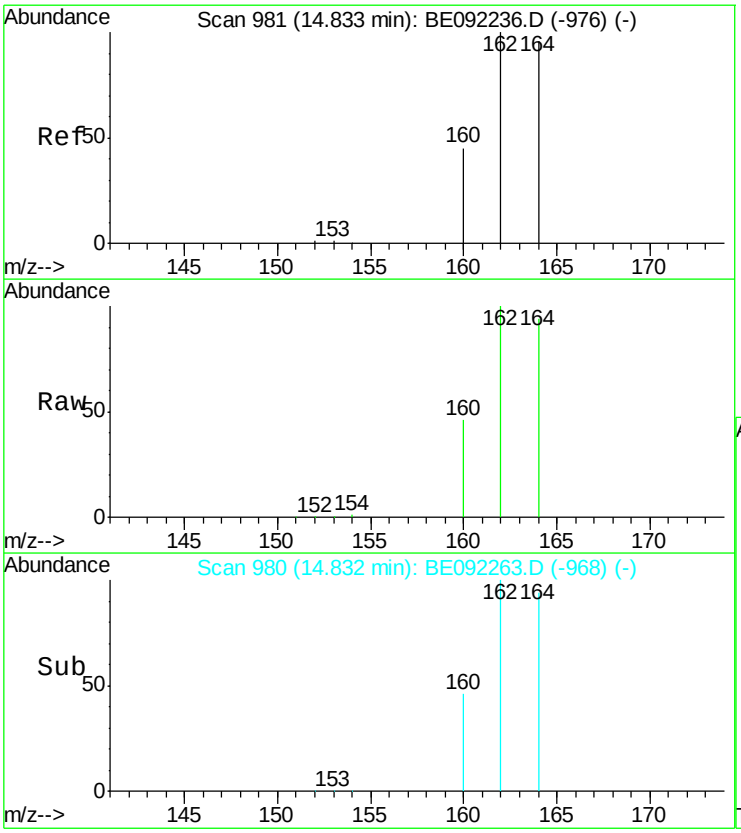
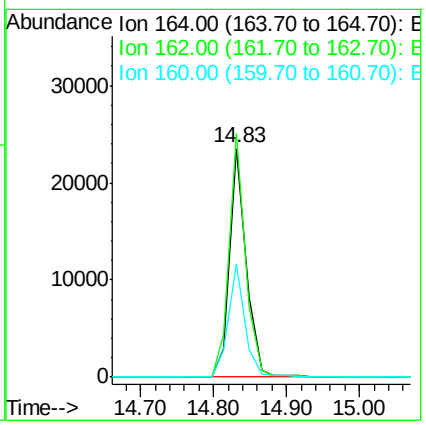
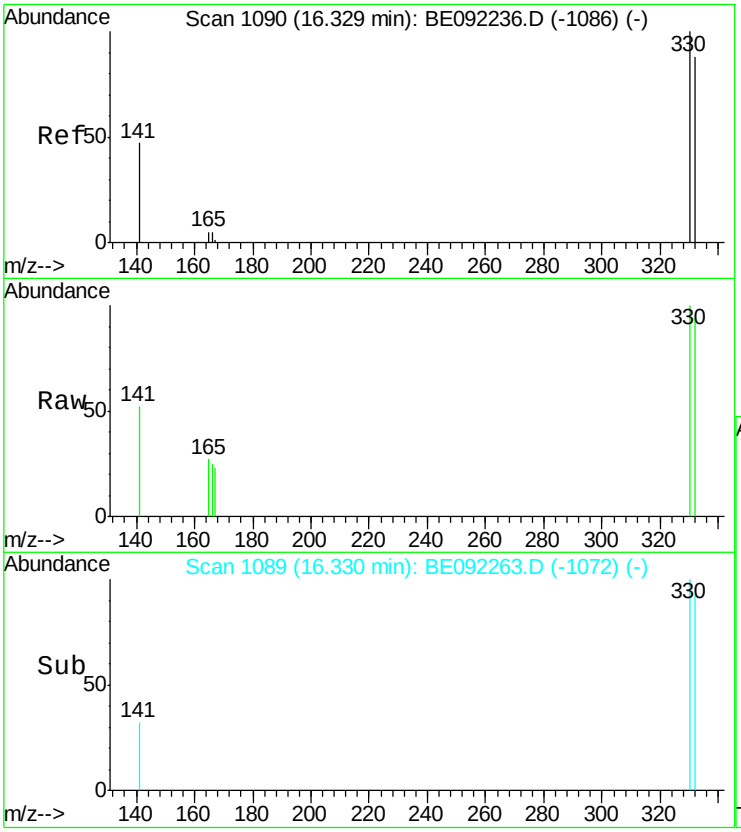


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.83 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:164 Resp: 36438

Ion	Ratio	Lower	Upper
164	100		
162	106.6	83.3	124.9
160	49.2	38.0	57.0





#13
2,4,6-Tribromophenol
Concen: 0.50 ng
RT: 16.33 min Scan# 1089
Delta R.T. 0.00 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:330 Resp: 372

Ion	Ratio	Lower	Upper
330	100		
332	95.2	75.4	113.0
141	42.7	37.7	56.5

Instrument :
BNA_E
ClientSampleId :
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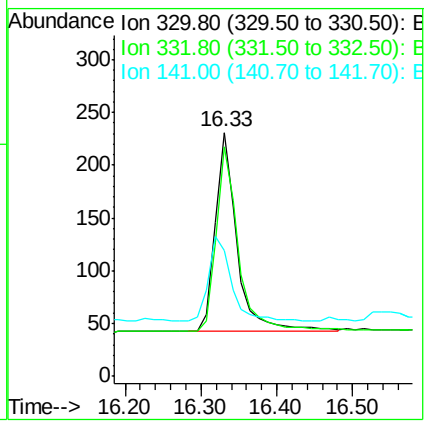
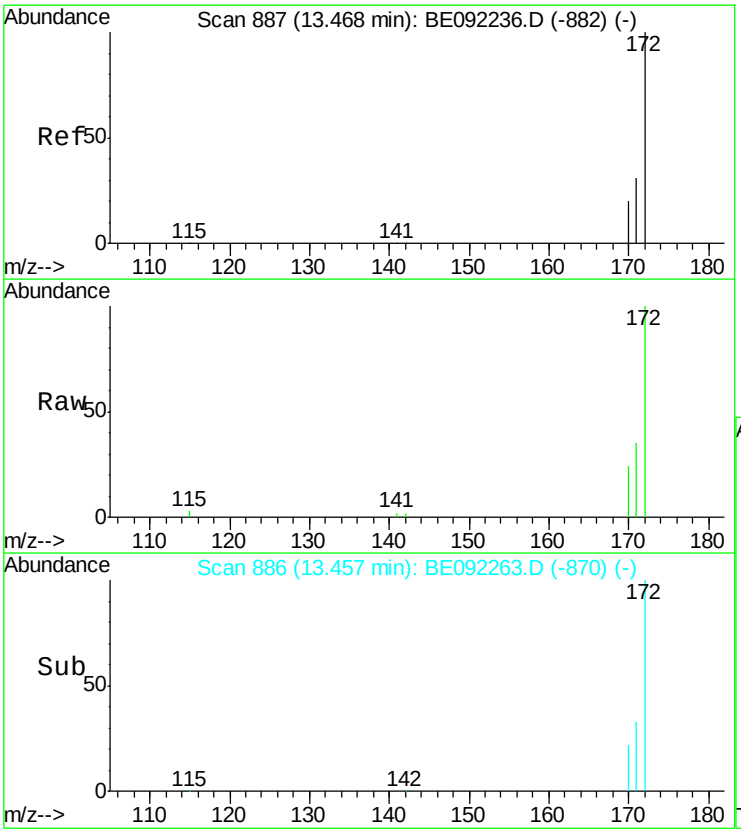
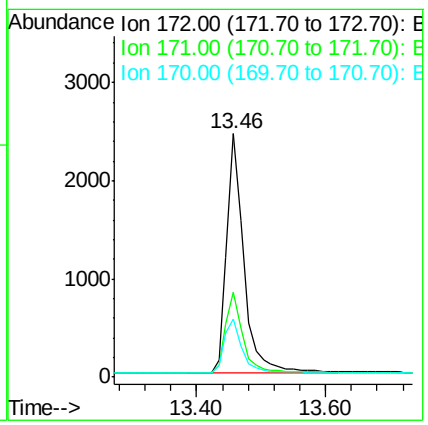


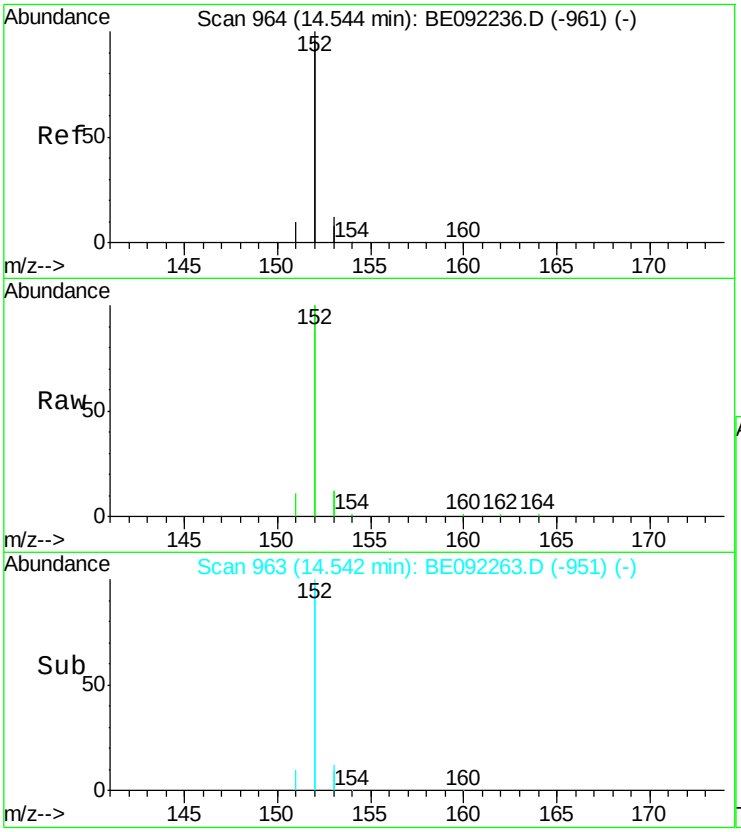


#14
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 13.46 min Scan# 886
Delta R.T. -0.01 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:172 Resp: 4520

Ion	Ratio	Lower	Upper
172	100		
171	34.8	26.8	40.2
170	23.6	17.8	26.6

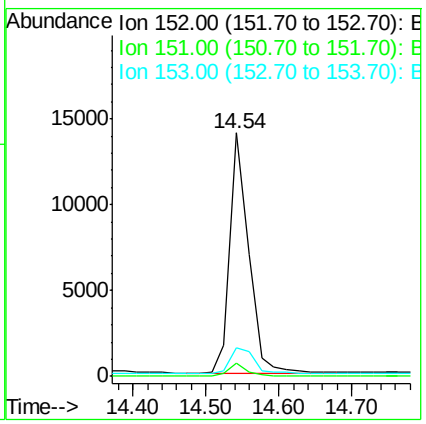




#15
Acenaphthylene
Concen: 0.39 ng
RT: 14.54 min Scan# 963
Delta R.T. -0.00 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:152 Resp: 24792

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.8	5.8
153	13.1	10.2	15.2



Instrument :
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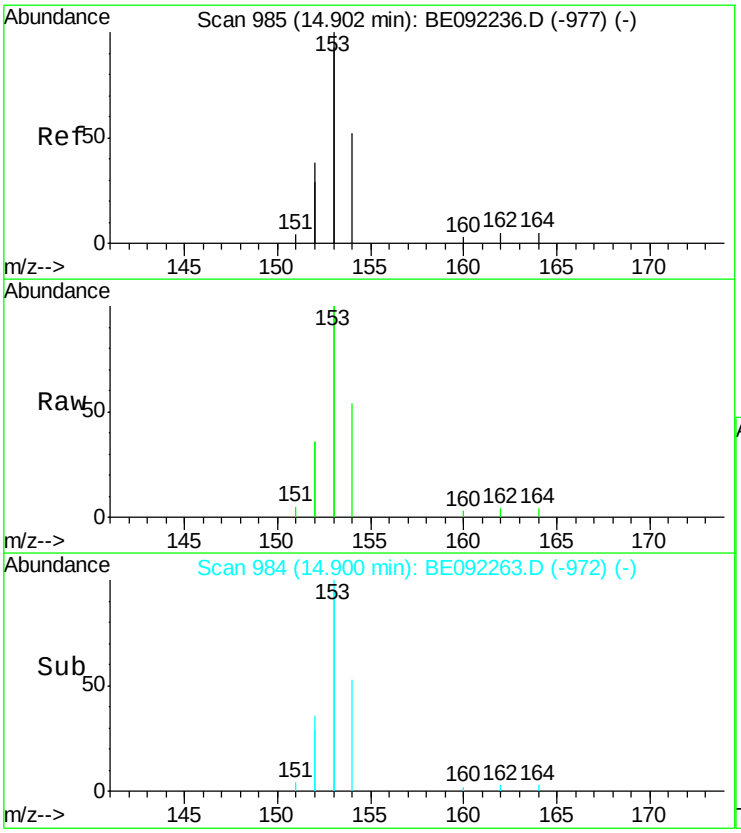
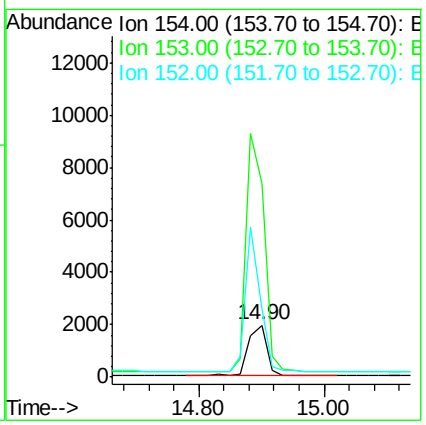
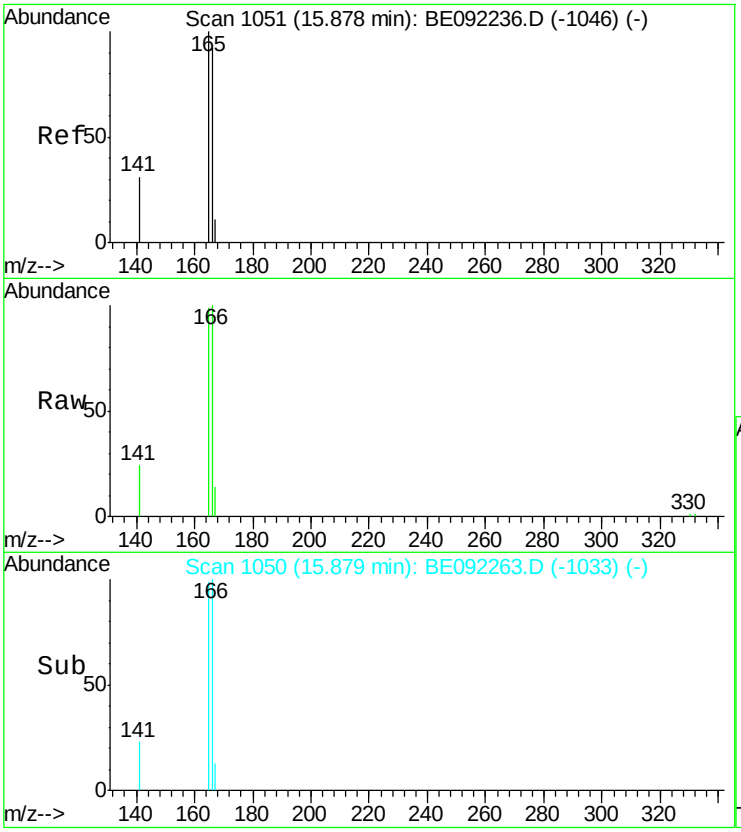


#16
Acenaphthene
Concen: 0.40 ng
RT: 14.90 min Scan# 984
Delta R.T. -0.00 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:154 Resp: 4019

Ion	Ratio	Lower	Upper
154	100		
153	451.9	355.0	532.4
152	227.5	179.7	269.5

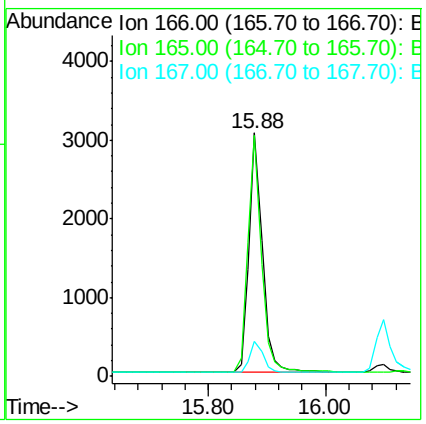




#17
Fluorene
Concen: 0.40 ng
RT: 15.88 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:166 Resp: 4880

Ion	Ratio	Lower	Upper
166	100		
165	99.1	80.1	120.1
167	13.3	10.6	16.0



Instrument :
BNA_E
ClientSampleId :
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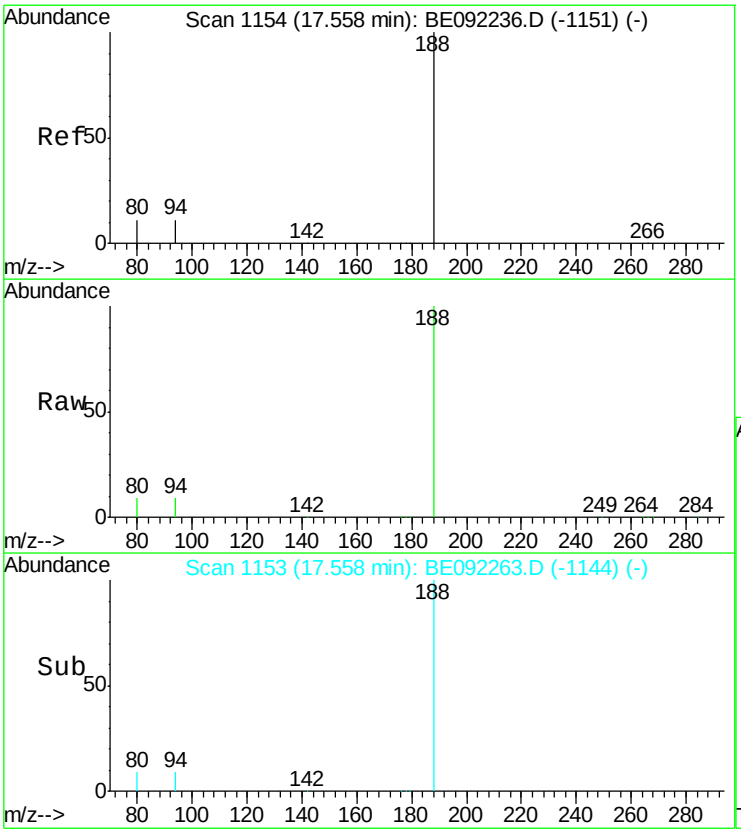
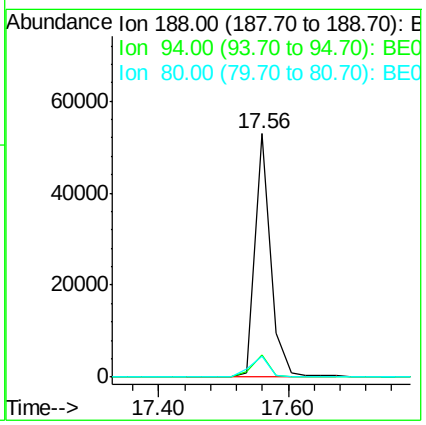
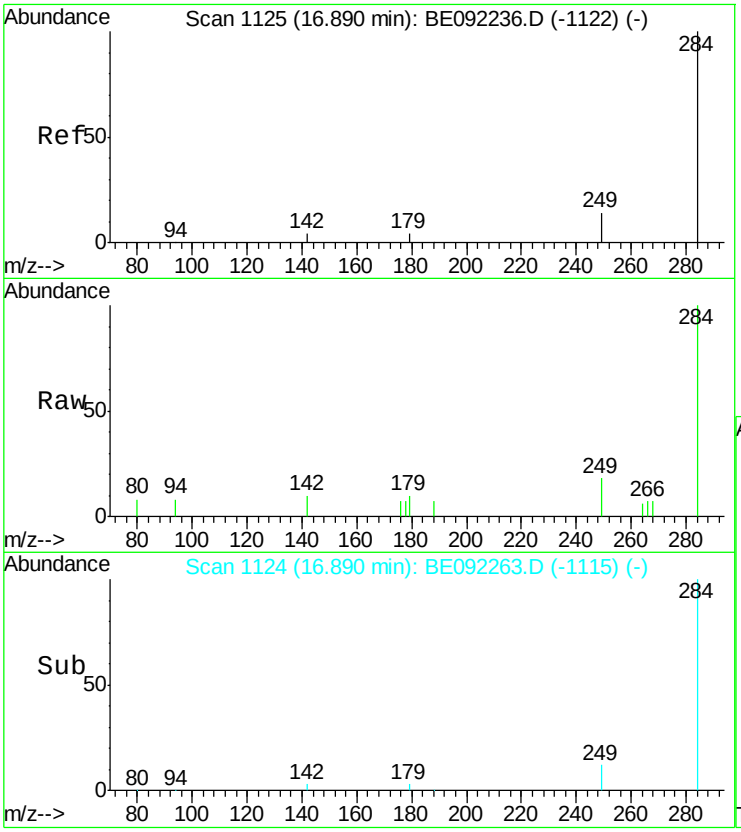


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:188 Resp: 89727

Ion	Ratio	Lower	Upper
188	100		
94	9.1	9.2	13.8#
80	8.7	9.1	13.7#

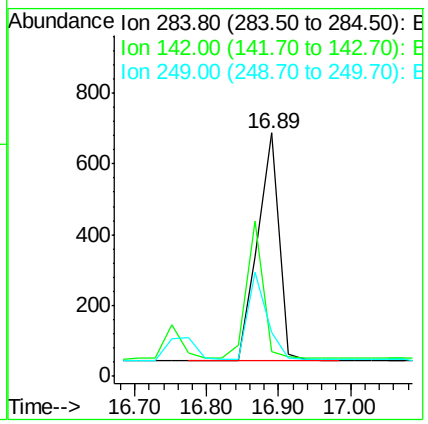




#19
Hexachlorobenzene
Concen: 0.38 ng
RT: 16.89 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:284 Resp: 1337

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	0.0	0.0	0.0



Instrument :
BNA_E
ClientSampleId :
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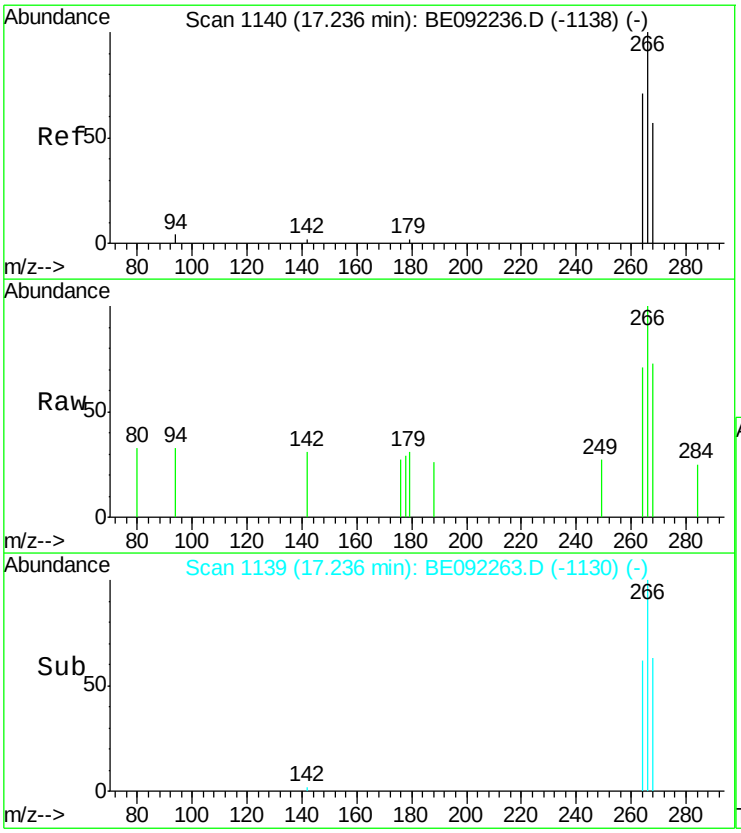
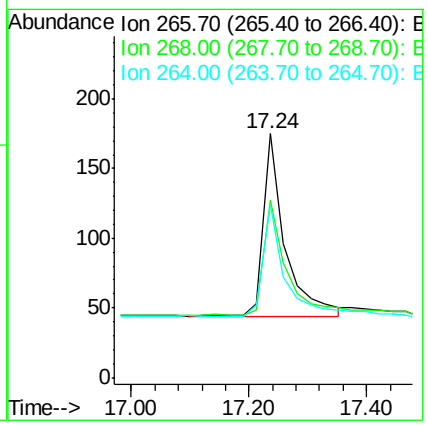
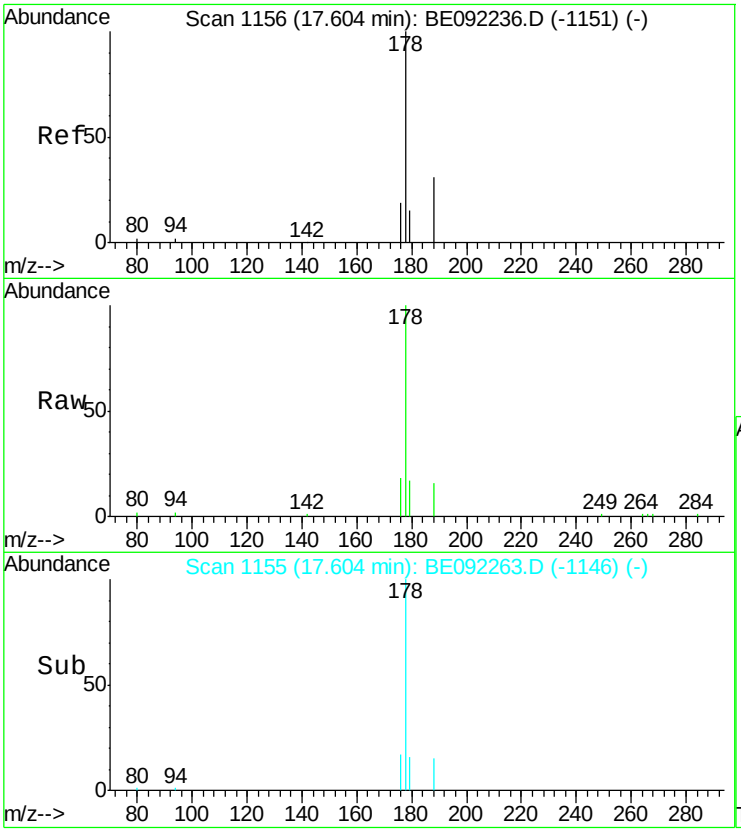


#20
Pentachlorophenol
Concen: 0.46 ng
RT: 17.24 min Scan# 1139
Delta R.T. 0.00 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:266 Resp: 340

Ion	Ratio	Lower	Upper
266	100		
268	72.6	62.3	93.5
264	70.9	67.4	101.0

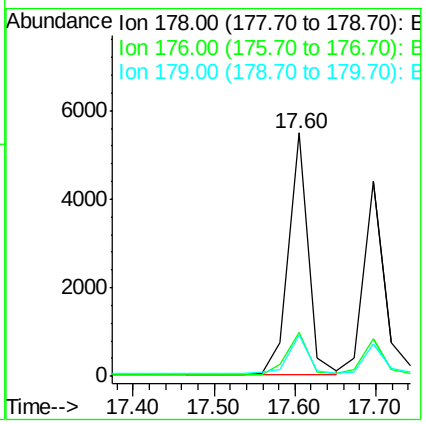




#21
Phenanthrene
Concen: 0.39 ng
RT: 17.60 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:178 Resp: 9135

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.1	22.7
179	16.2	12.9	19.3



Instrument :
BNA_E
ClientSampleId :
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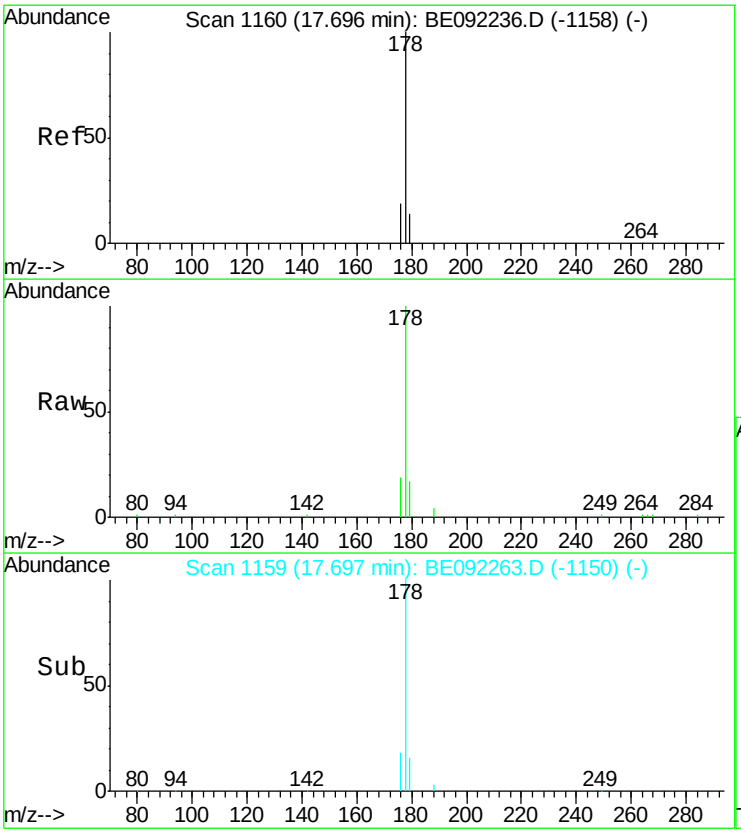
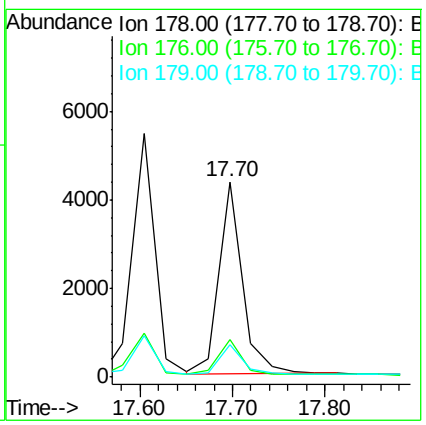
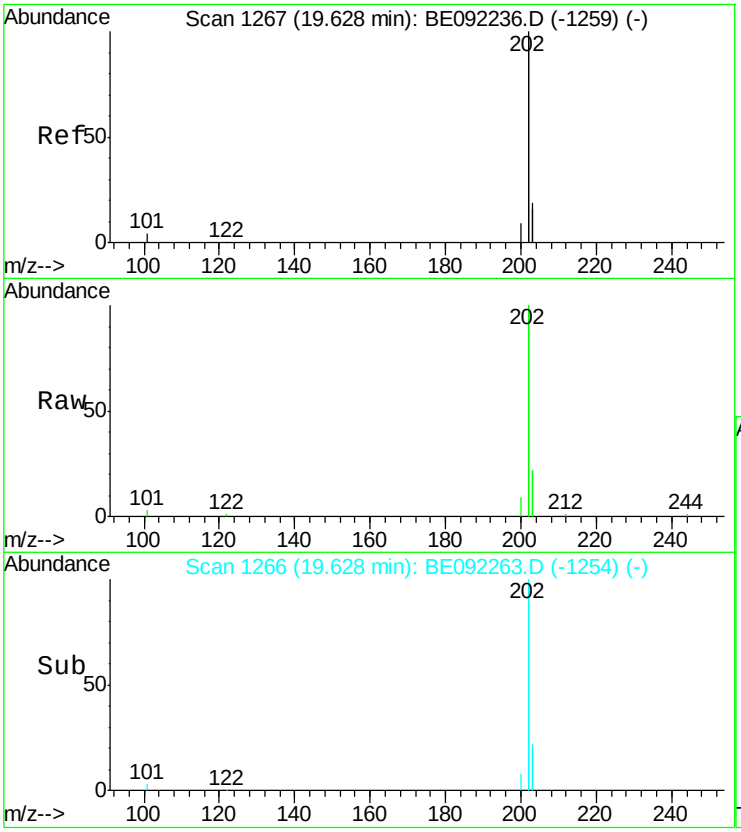


#22
Anthracene
Concen: 0.37 ng
RT: 17.70 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:178 Resp: 7781

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.5	12.0	18.0

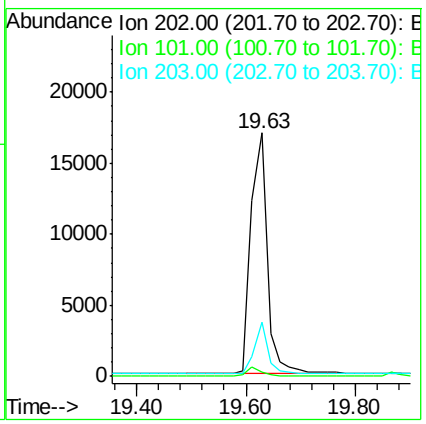




#23
Fluoranthene
Concen: 0.38 ng
RT: 19.63 min Scan# 1266
Delta R.T. 0.00 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:202 Resp: 34945

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



Instrument :
BNA_E
ClientSampleId :
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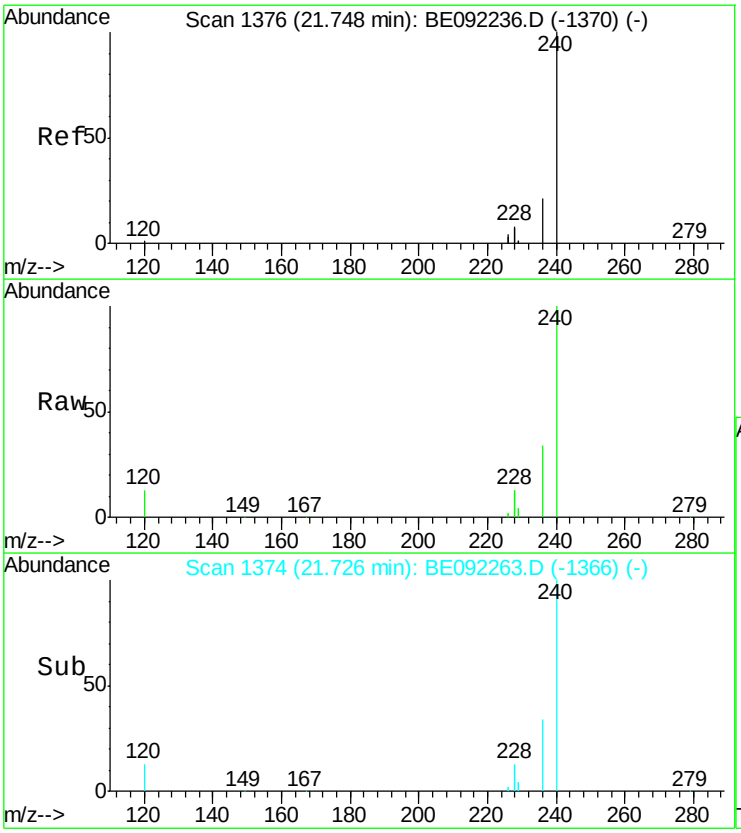
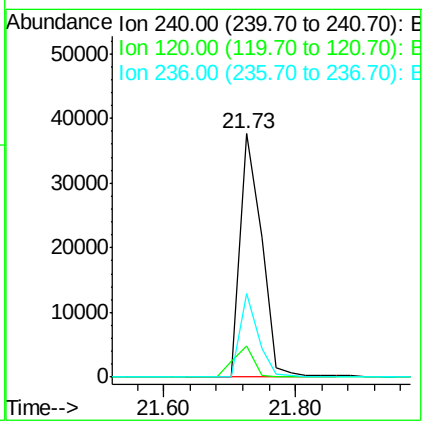
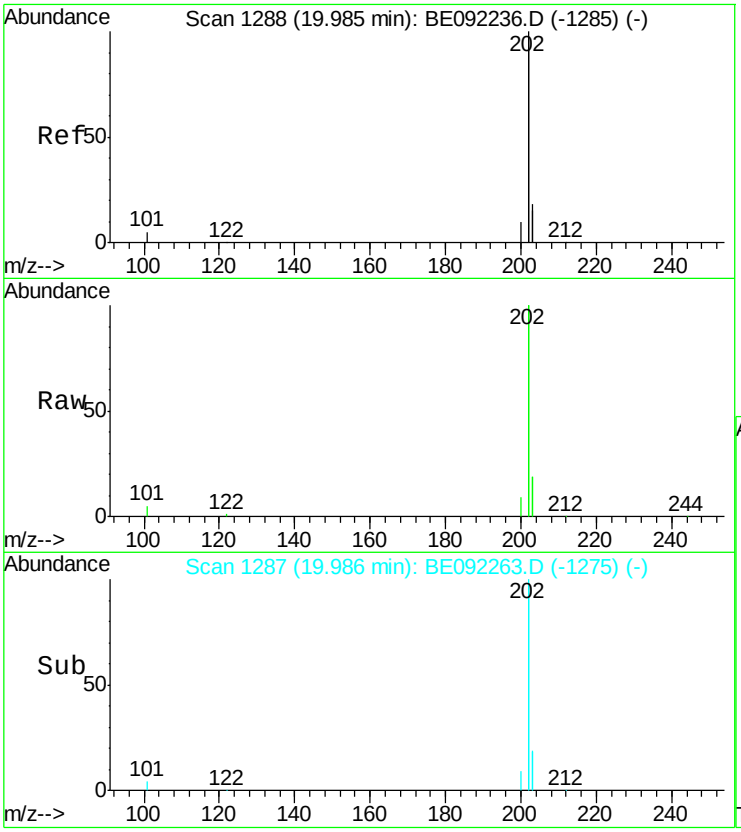


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.73 min Scan# 1374
Delta R.T. -0.02 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:240 Resp: 84203

Ion	Ratio	Lower	Upper
240	100		
120	12.7	1.2	1.8#
236	34.3	17.1	25.7#





#25
Pyrene
Concen: 0.39 ng
RT: 19.99 min Scan# 1287
Delta R.T. 0.00 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:202 Resp: 38555

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	17.6	14.0	21.0

Instrument :
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ClientSampleId :
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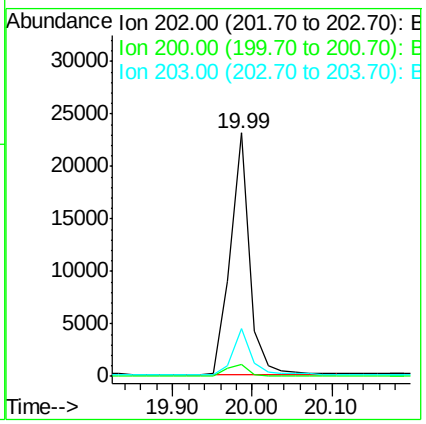
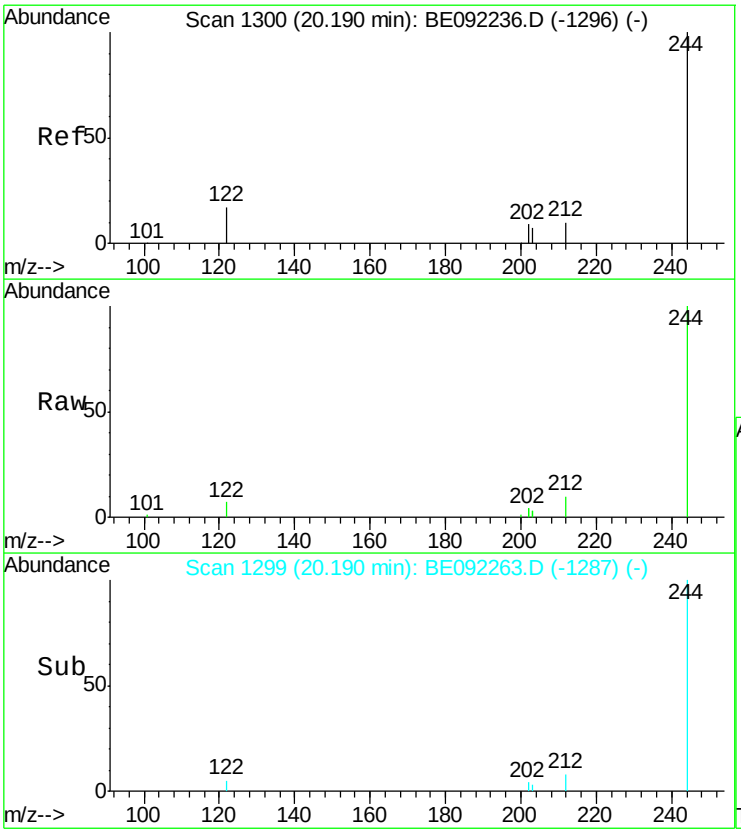
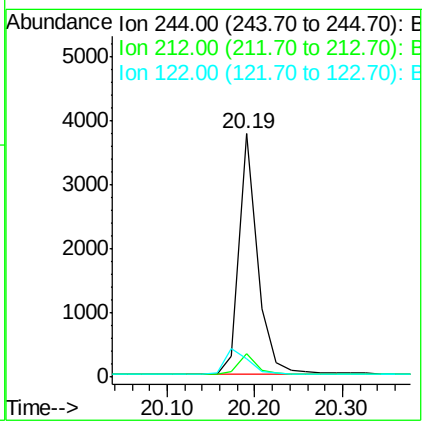


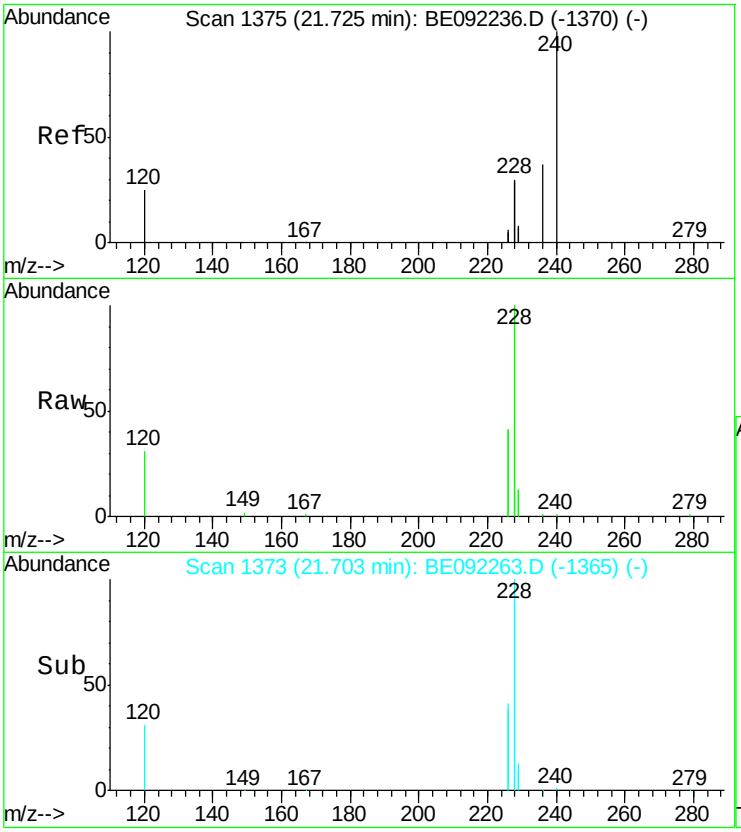


#26
Terphenyl-d14
Concen: 0.39 ng
RT: 20.19 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:244 Resp: 5519

Ion	Ratio	Lower	Upper
244	100		
212	9.6	10.2	15.2#
122	7.4	15.9	23.9#

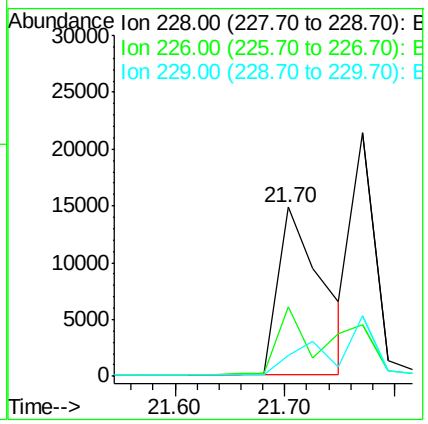




#27
Benzo(a)anthracene
Concen: 0.41 ng
RT: 21.70 min Scan# 1373
Delta R.T. -0.02 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:228 Resp: 41391

Ion	Ratio	Lower	Upper
228	100		
226	40.9	15.9	23.9#
229	12.6	22.4	33.6#



Instrument :
BNA_E
ClientSampleId :
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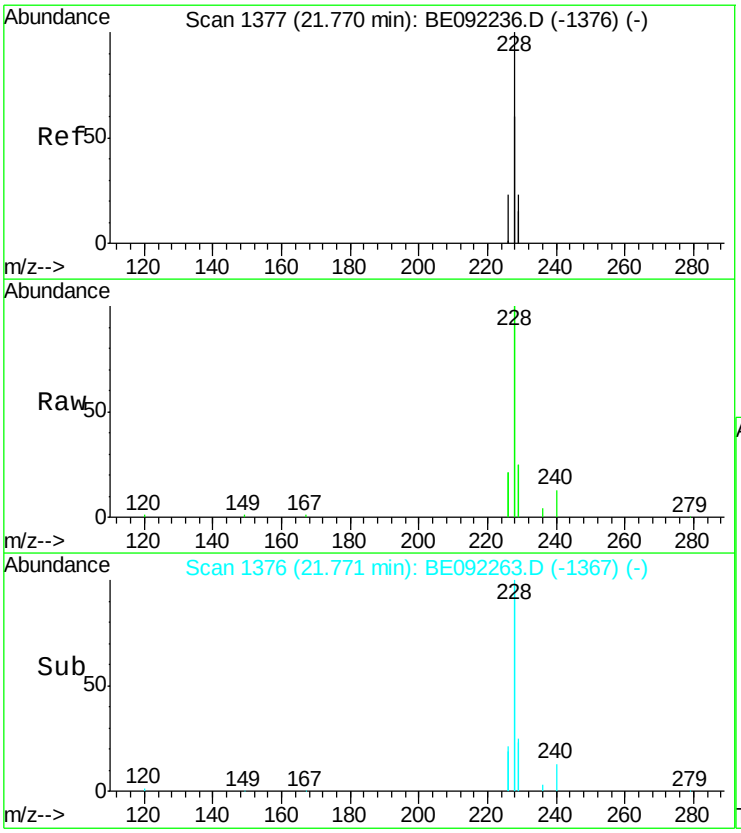
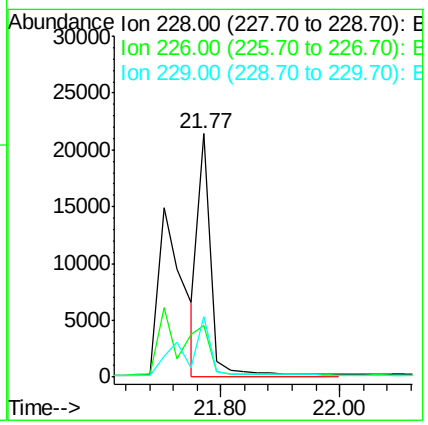
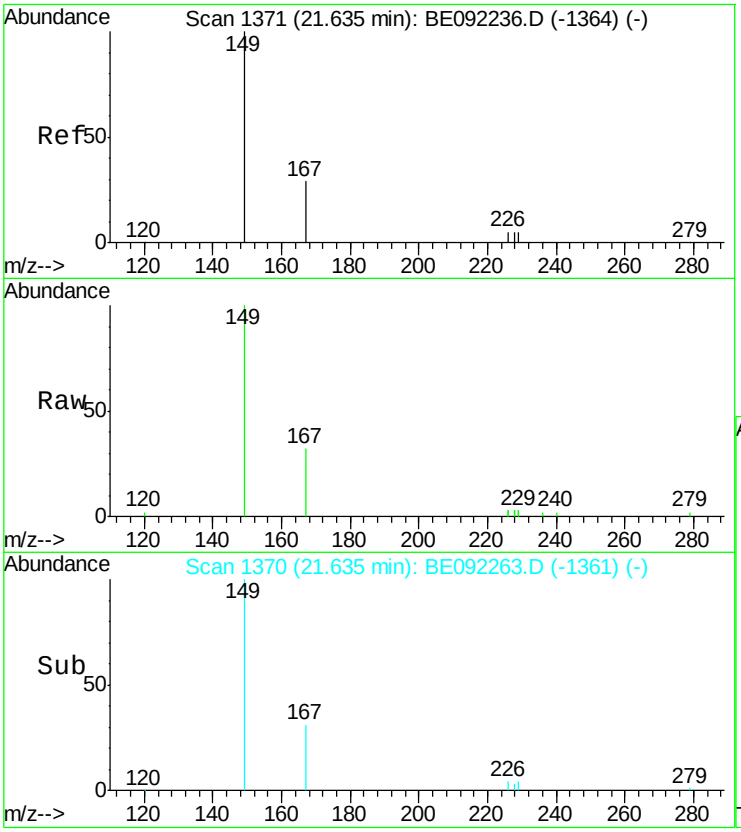


#28
Chrysene
Concen: 0.38 ng m
RT: 21.77 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:228 Resp: 35336

Ion	Ratio	Lower	Upper
228	100		
226	21.1	18.3	27.5
229	24.7	18.6	27.8





#29
Bis(2-ethylhexyl)phthalate
Concen: 0.46 ng
RT: 21.64 min Scan# 1370
Delta R.T. 0.00 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Instrument :
BNA_E
ClientSampleId :
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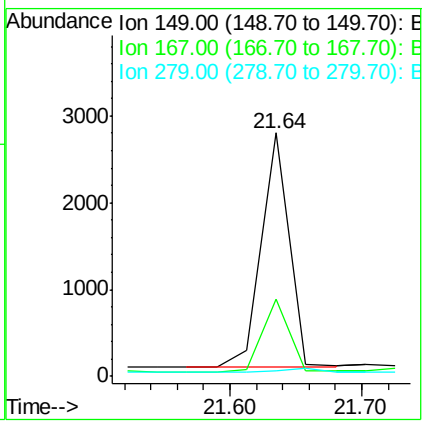
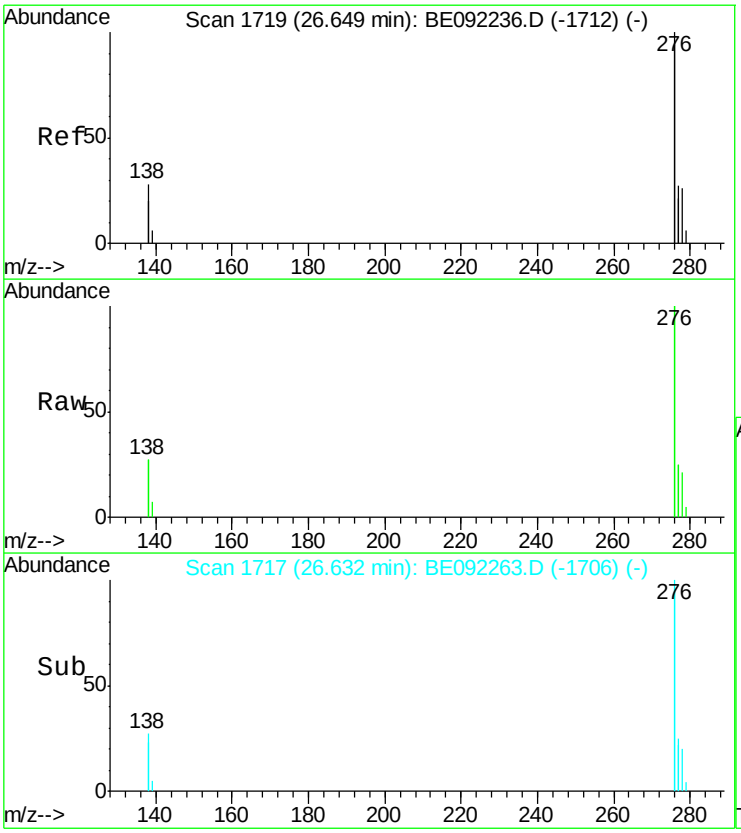
Tgt Ion:149 Resp: 4015

Ion	Ratio	Lower	Upper
149	100		
167	30.0	22.1	33.1
279	0.0	0.0	0.0

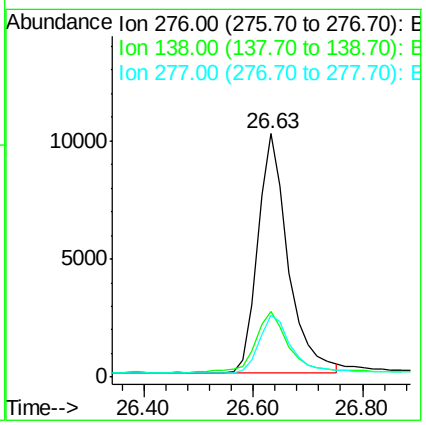


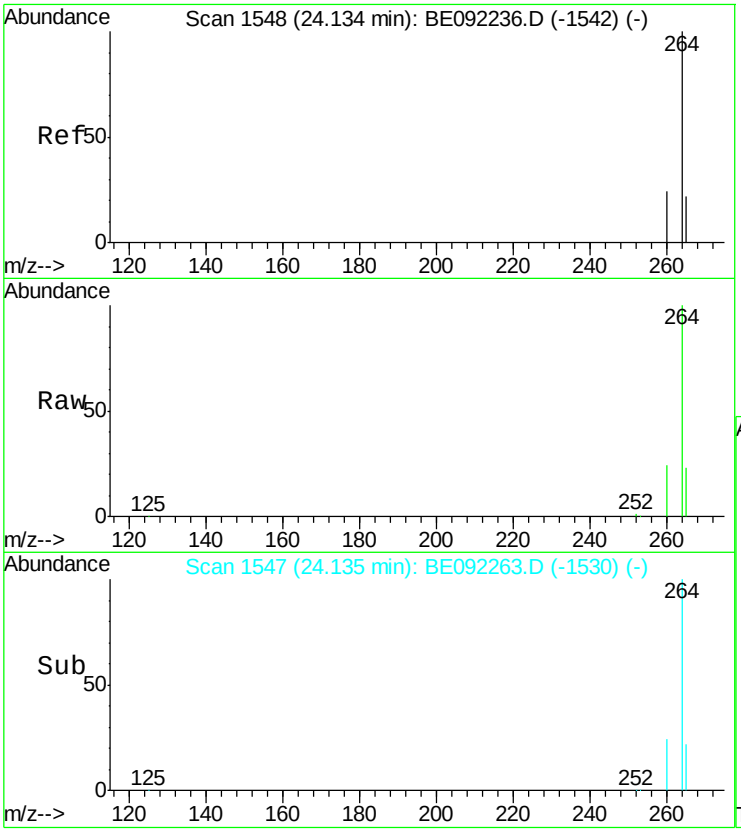


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.39 ng
RT: 26.63 min Scan# 1717
Delta R.T. -0.02 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:276 Resp: 38971

Ion	Ratio	Lower	Upper
276	100		
138	27.2	21.3	31.9
277	24.8	19.7	29.5

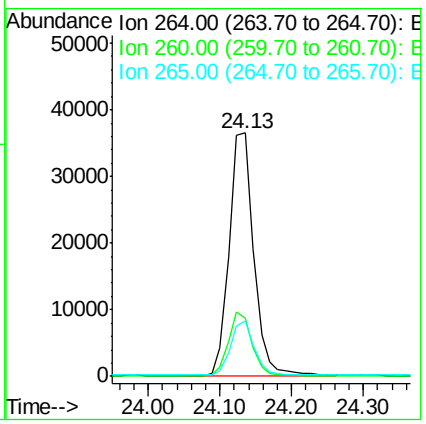




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.13 min Scan# 1547
Delta R.T. 0.00 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:264 Resp: 87534

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.6	18.2	27.4



Instrument :
BNA_E
ClientSampleId :
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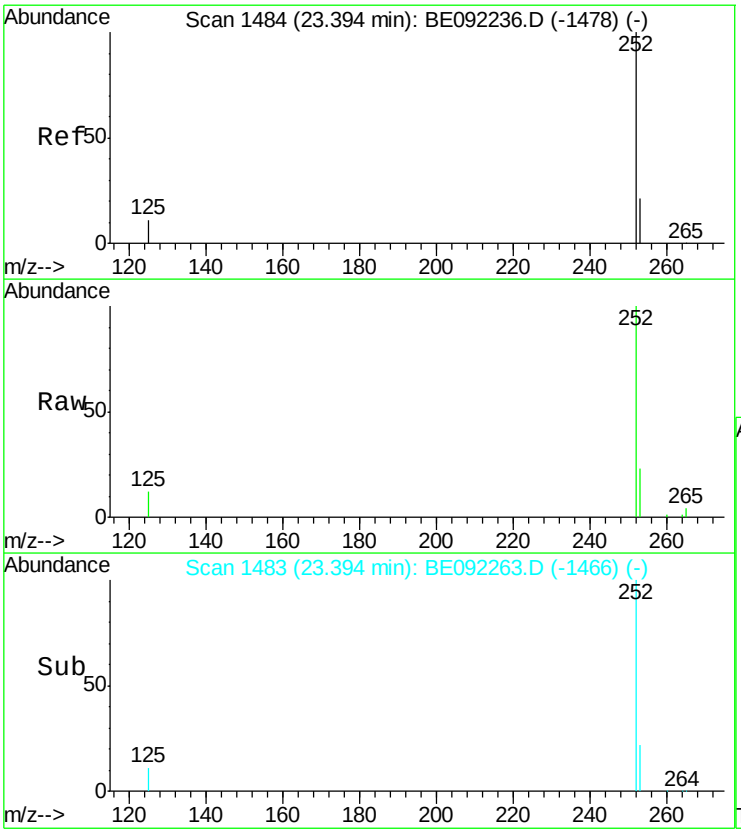
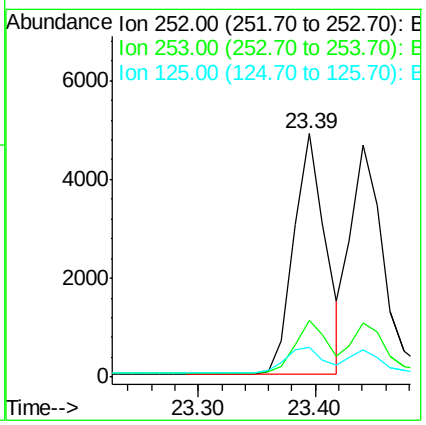
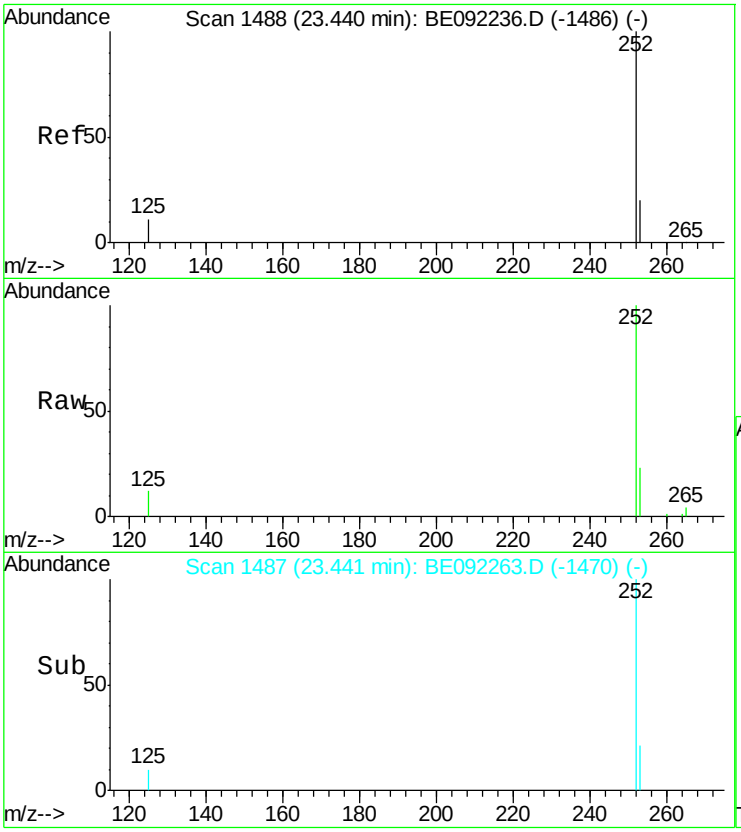


#32
Benzo(b)fluoranthene
Concen: 0.40 ng
RT: 23.39 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:252 Resp: 9112

Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.0	28.4
125	12.3	10.3	15.5

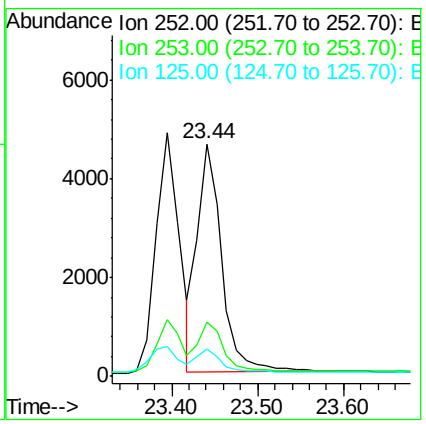




#33
Benzo(k)fluoranthene
Concen: 0.39 ng
RT: 23.44 min Scan# 1487
Delta R.T. 0.00 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:252 Resp: 9053

Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.0	28.6
125	11.9	10.6	15.8



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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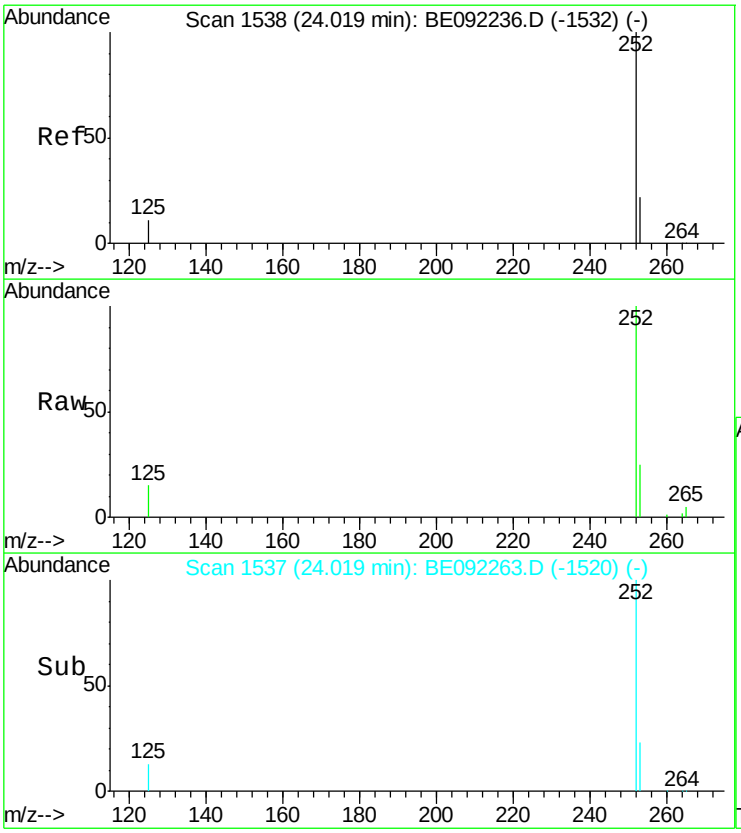
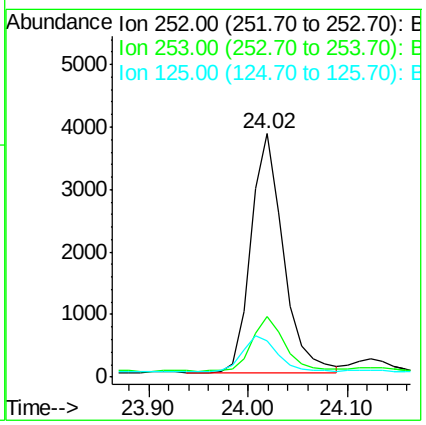
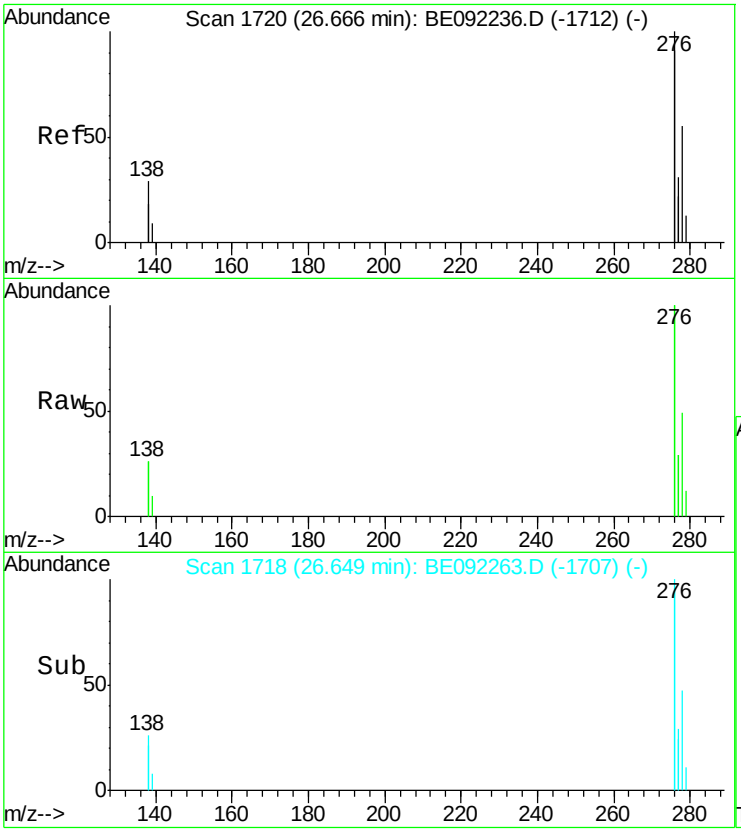


#34
Benzo(a)pyrene
Concen: 0.40 ng
RT: 24.02 min Scan# 1537
Delta R.T. 0.00 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:252 Resp: 8593

Ion	Ratio	Lower	Upper
252	100		
253	24.9	20.3	30.5
125	14.9	11.8	17.6

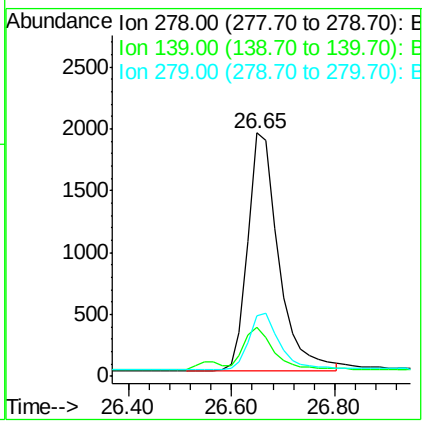




#35
Dibenzo(a,h)anthracene
Concen: 0.39 ng
RT: 26.65 min Scan# 1718
Delta R.T. -0.02 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:278 Resp: 7913

Ion	Ratio	Lower	Upper
278	100		
139	19.9	16.2	24.2
279	24.9	21.4	32.2



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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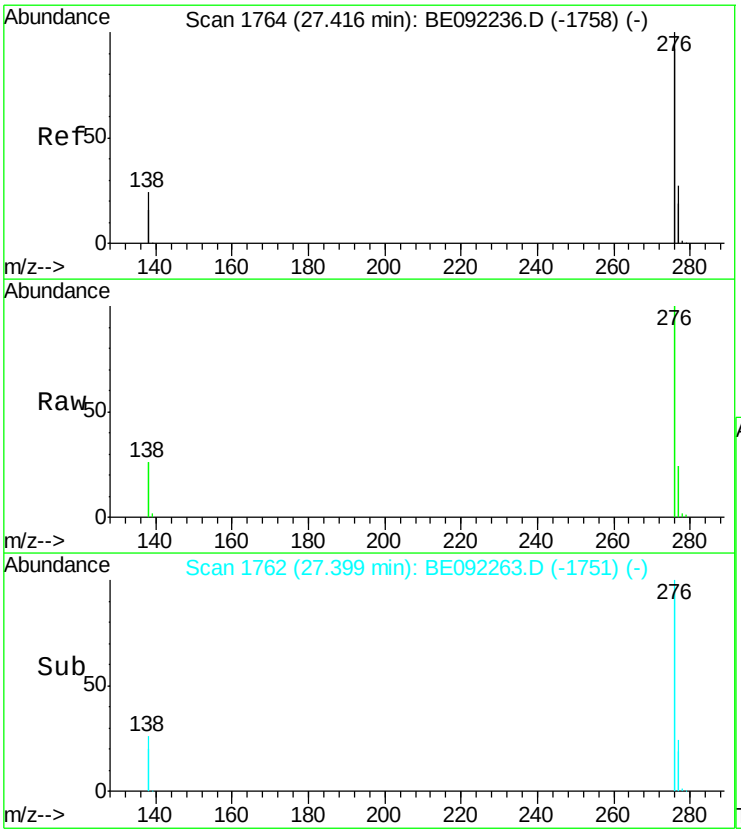

#36
Benzo(g,h,i)perylene
Concen: 0.38 ng
RT: 27.40 min Scan# 1762
Delta R.T. -0.02 min
Lab File: BE092263.D
Acq: 11 Aug 2016 12:46

Tgt Ion:276 Resp: 33291

Ion	Ratio	Lower	Upper
276	100		
277	24.1	21.4	32.2
138	25.6	19.4	29.2