Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE091216\
Data File : BE092376.D
Acq On : 12 Sep 2016 17:47
Operator : UM/SJ
Sample : H4758-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
NC-TS-005MS

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Quant Time: Sep 12 18:53:27 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	12088	5.00	ng		-0.02
7) Naphthalene-d8	10.95	136	56132	5.00	ng		0.00
12) Acenaphthene-d10	14.82	164	33465	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	81980	5.00	ng		0.00
24) Chrysene-d12	21.75	240	103030	5.00	ng		0.00
31) Perylene-d12	24.10	264	96381	5.00	ng		0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.67	112	26080	9.08	ng		-0.02
5) Phenol-d6	7.34	99	37080	9.67	ng		-0.02
8) Nitrobenzene-d5	9.34	82	16685	4.14	ng		-0.02
13) 2,4,6-Tribromophenol	16.30	330	11677	11.26	ng		-0.02
14) 2-Fluorobiphenyl	13.43	172	34580	3.37	ng		-0.01
26) Terphenyl-d14	20.17	244	51428	3.37	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.41	88	3672	2.44	ng	#	82
3) n-Nitrosodimethylamine	3.76	42	7426	3.88	ng	#	100
6) bis(2-Chloroethyl)ether	7.59	93	12115	3.32	ng	#	27
9) Naphthalene	10.99	128	42225	3.36	ng	#	95
10) Hexachlorobutadiene	11.28	225	5915	3.02	ng		100
11) 2-Methylnaphthalene	12.62	142	29475	3.58	ng	#	88
15) Acenaphthylene	14.53	152	227191	3.94	ng		100
16) Acenaphthene	14.87	154	29961	3.21	ng		95
17) Fluorene	15.86	166	40802	3.49	ng		98
19) Hexachlorobenzene	16.89	284	10723	2.73	ng	#	39
20) Pentachlorophenol	17.23	266	13367	6.60	ng	#	87
21) Phenanthrene	17.60	178	114611	4.97	ng	#	95
22) Anthracene	17.69	178	87644	4.28	ng		99
23) Fluoranthene	19.59	202	740455	7.36	ng		99
25) Pyrene	19.95	202	750873	7.49	ng		95
27) Benzo(a)anthracene	21.72	228	592783	5.33	ng	#	79
28) Chrysene	21.77	228	538785m	5.25	ng		
29) Bis(2-ethylhexyl)phthalate	21.63	149	134001	Below Cal		#	68
30) Indeno(1,2,3-cd)pyrene	26.58	276	459082	3.92	ng		98
32) Benzo(b)fluoranthene	23.37	252	163928	6.62	ng		98
33) Benzo(k)fluoranthene	23.41	252	92142m	3.52	ng		
34) Benzo(a)pyrene	23.98	252	125949	5.17	ng		98
35) Dibenzo(a,h)anthracene	26.60	278	68661	3.04	ng		95
36) Benzo(g,h,i)perylene	27.35	276	410183	4.31	ng		99

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

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QLast Update : Fri Sep 02 19:34:51 2016
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
NC-TS-005MS

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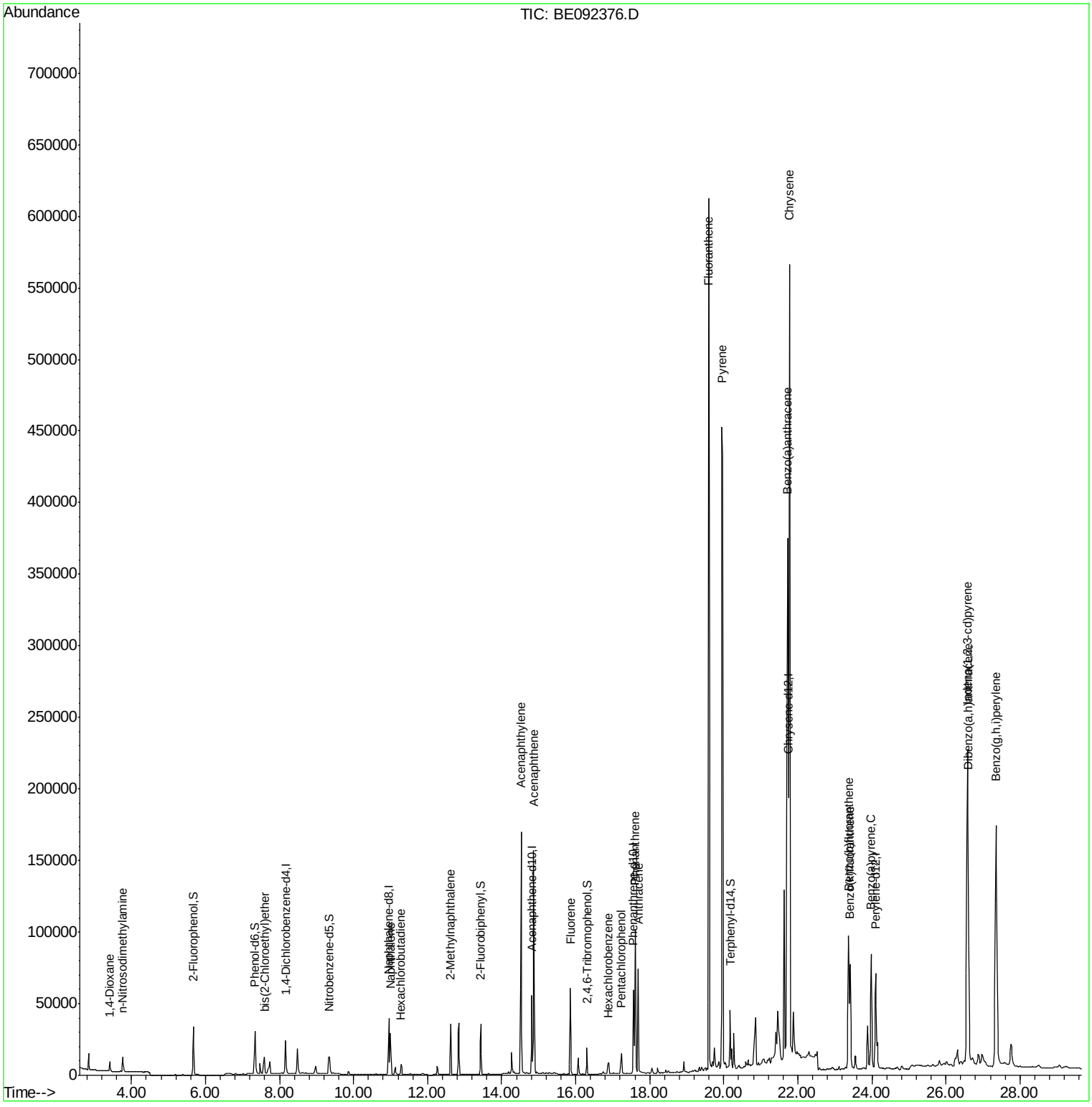
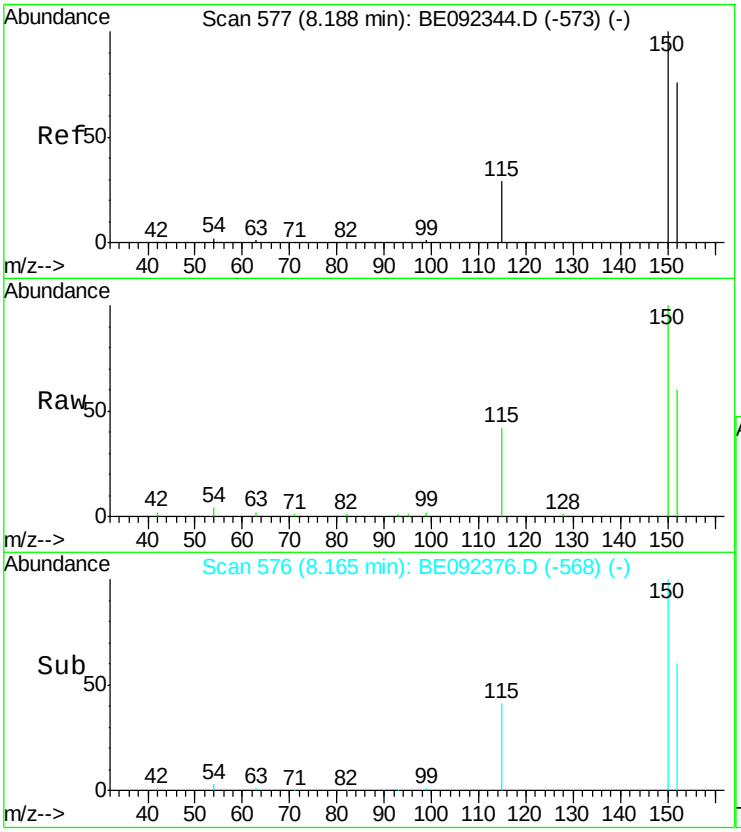
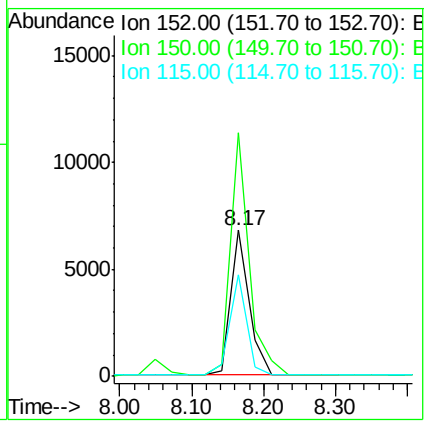




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.17 min Scan# 576
Delta R.T. -0.02 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:152 Resp: 12088

Ion	Ratio	Lower	Upper
152	100		
150	166.6	106.0	159.0#
115	69.6	31.2	46.8#



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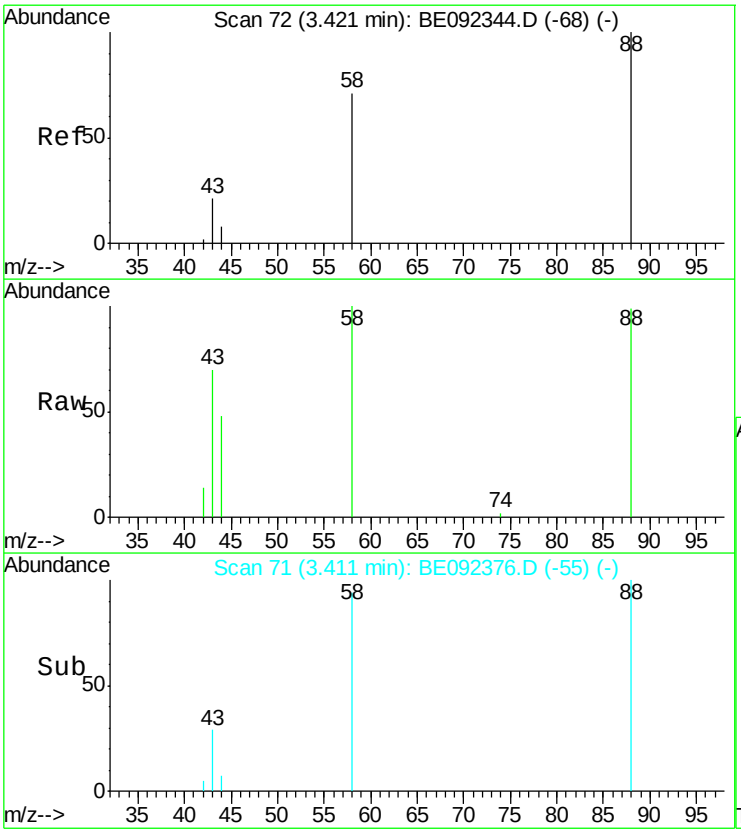
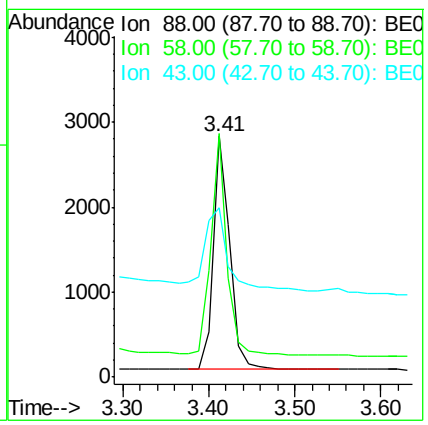
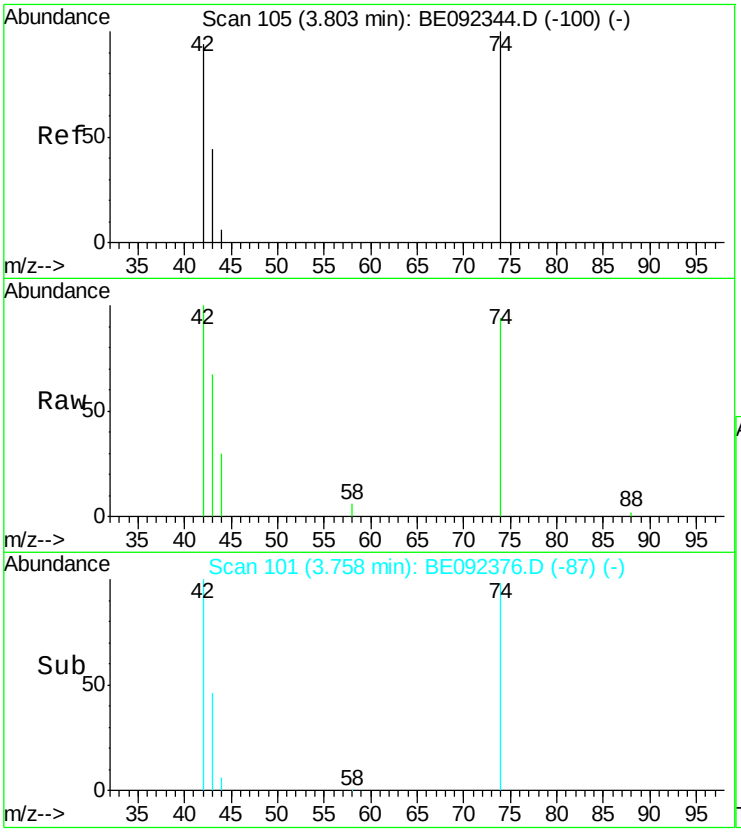


#2
1,4-Dioxane
Concen: 2.44 ng
RT: 3.41 min Scan# 71
Delta R.T. -0.01 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion: 88 Resp: 3672

Ion	Ratio	Lower	Upper
88	100		
58	91.2	63.6	95.4
43	52.4	28.0	42.0#

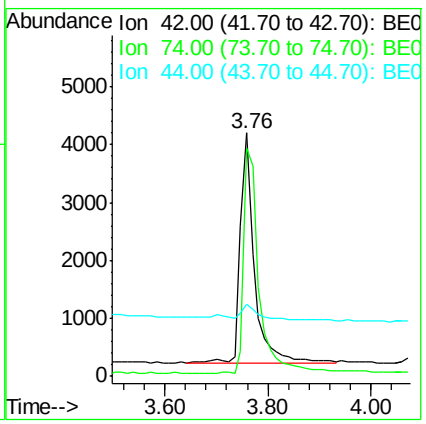




#3
n-Nitrosodimethylamine
Concen: 3.88 ng
RT: 3.76 min Scan# 101
Delta R.T. -0.04 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion: 42 Resp: 7426

Ion	Ratio	Lower	Upper
42	100		
74	107.4	86.0	129.0
44	7.8	5.1	7.7#



Instrument :
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ClientSampleId :
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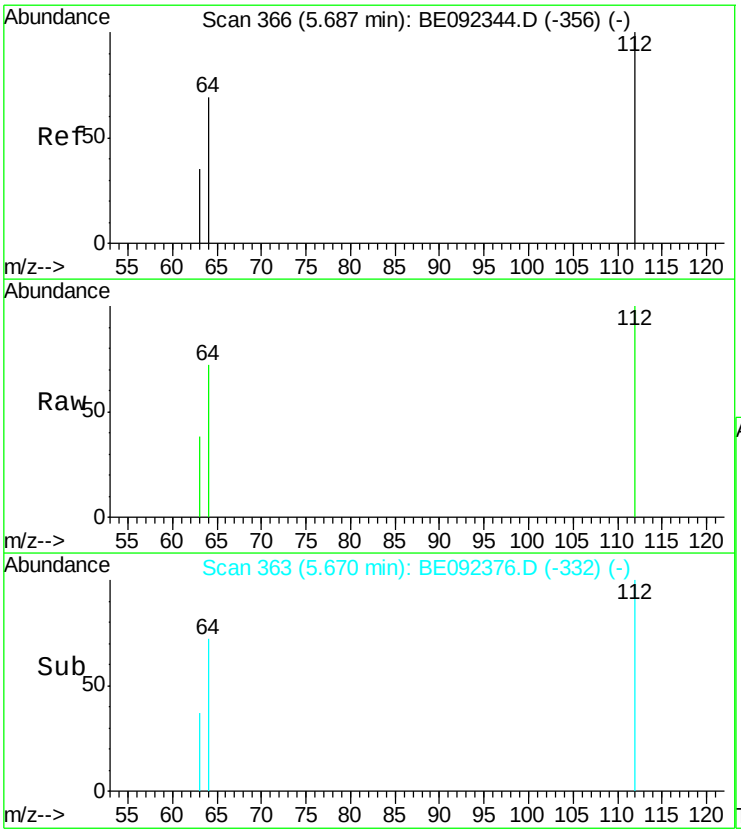
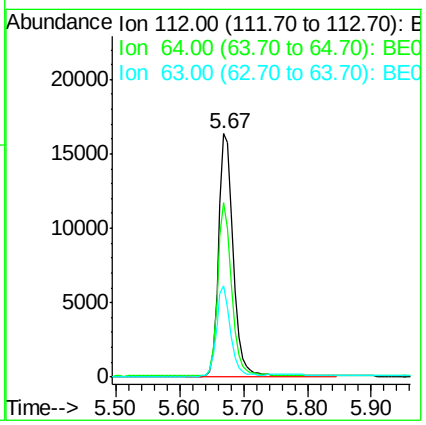
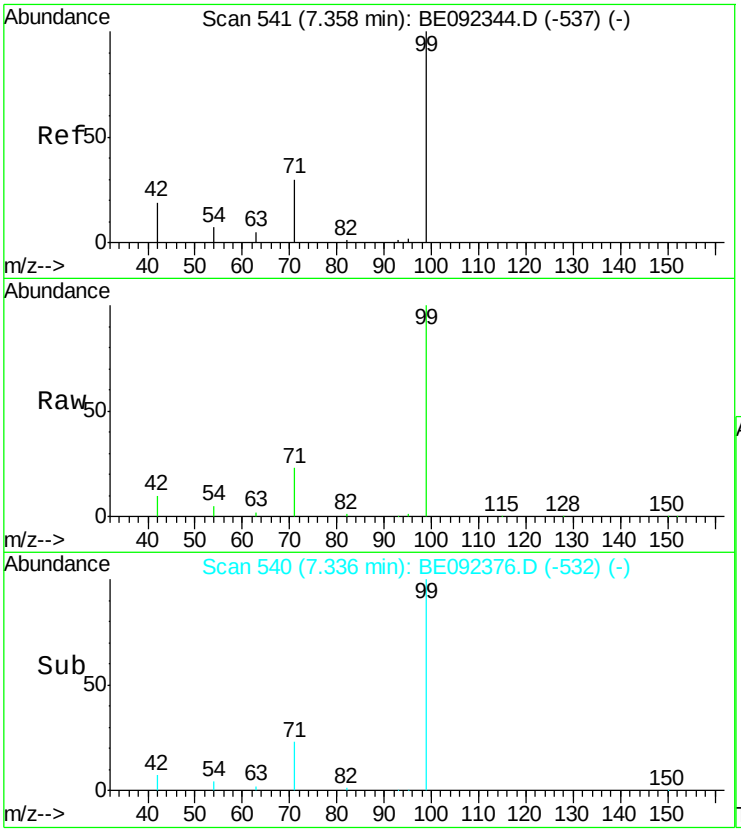


#4
2-Fluorophenol
Concen: 9.08 ng
RT: 5.67 min Scan# 363
Delta R.T. -0.02 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:112 Resp: 26080

Ion	Ratio	Lower	Upper
112	100		
64	69.4	53.5	80.3
63	36.0	27.9	41.9

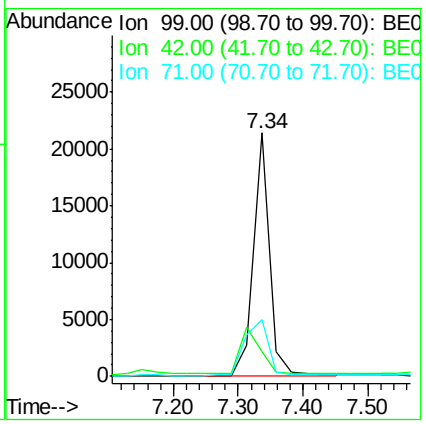




#5
Phenol-d6
Concen: 9.67 ng
RT: 7.34 min Scan# 540
Delta R.T. -0.02 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion: 99 Resp: 37080

Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	33.9	30.6	45.8



Instrument :
BNA_E
ClientSampleId :
NC-TS-005MS

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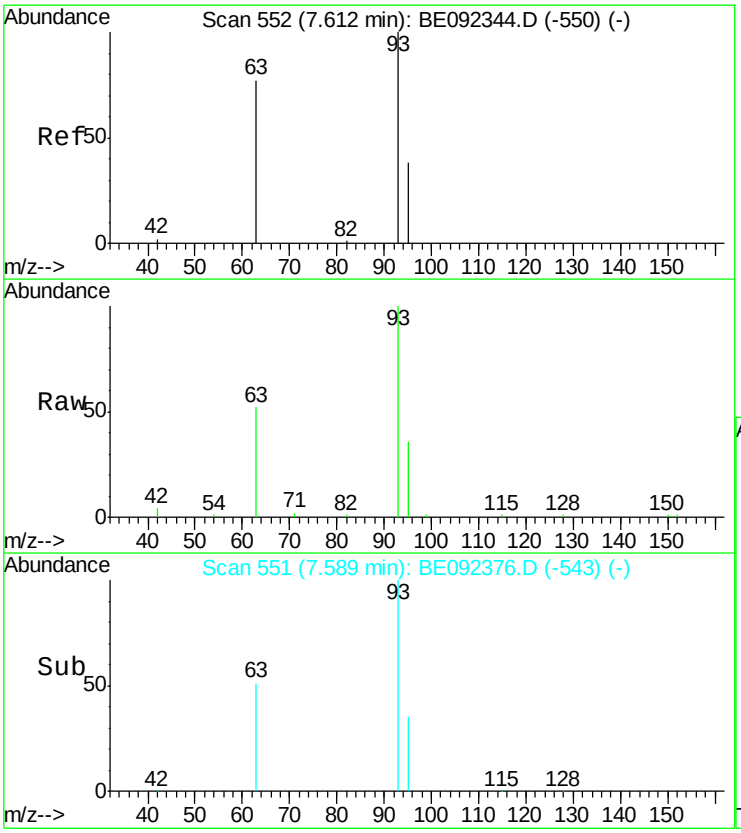
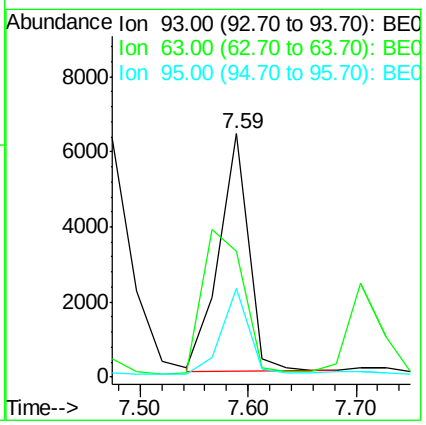
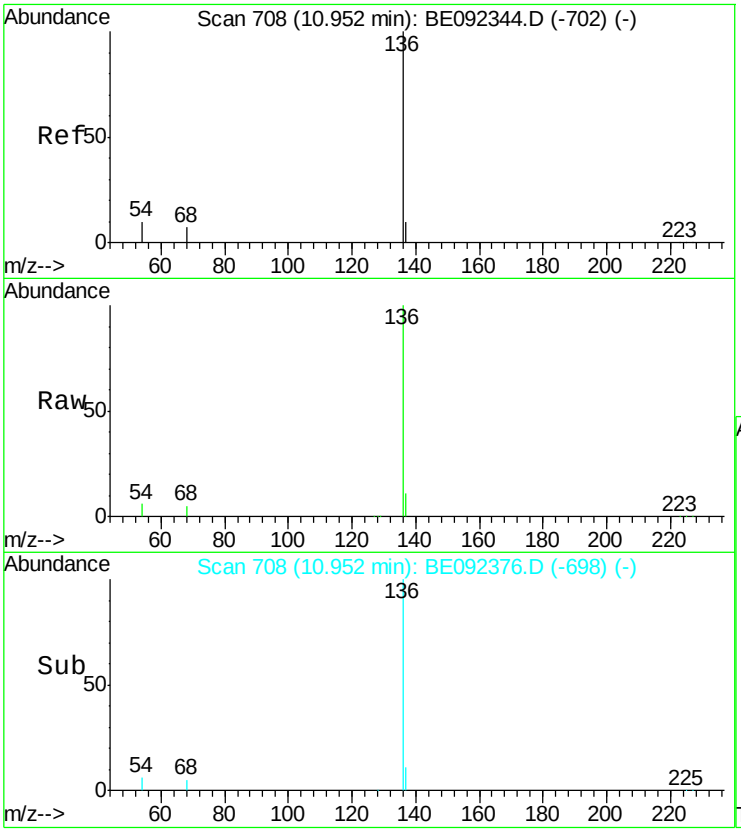


#6
bis(2-Chloroethyl)ether
Concen: 3.32 ng
RT: 7.59 min Scan# 551
Delta R.T. -0.02 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion: 93 Resp: 12115

Ion	Ratio	Lower	Upper
93	100		
63	0.0	71.6	107.4#
95	32.8	24.0	36.0

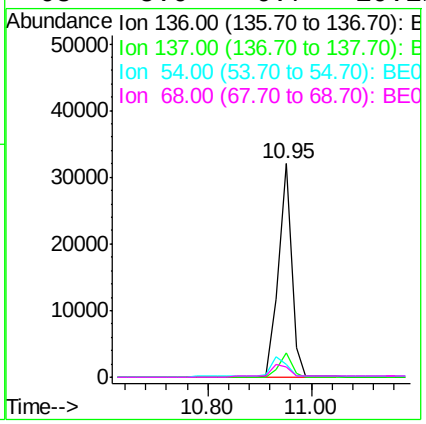




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.95 min Scan# 708
Delta R.T. -0.00 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:136 Resp: 56132

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.2	12.4
54	6.0	9.6	14.4#
68	5.0	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
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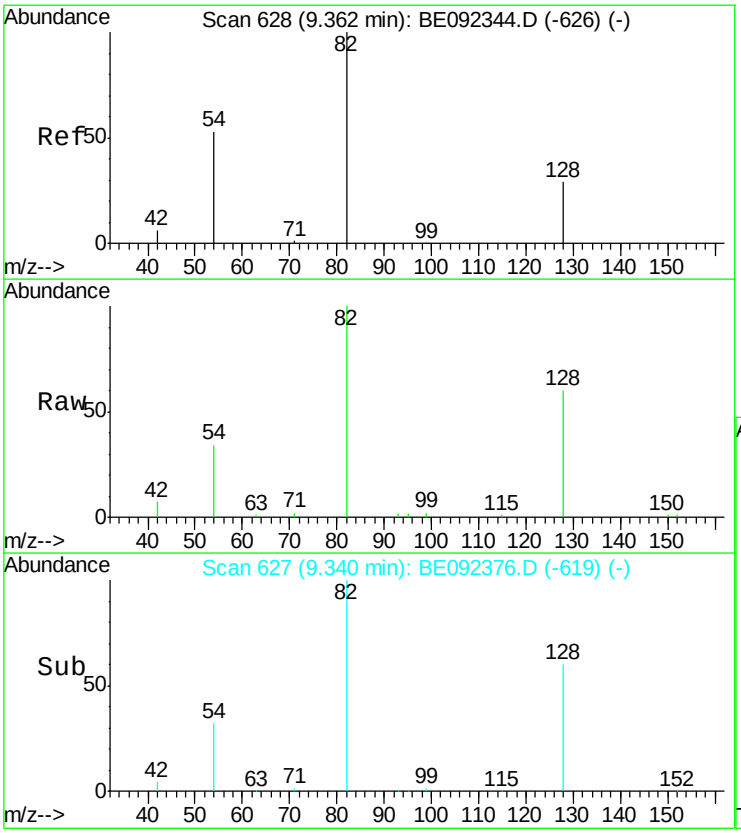
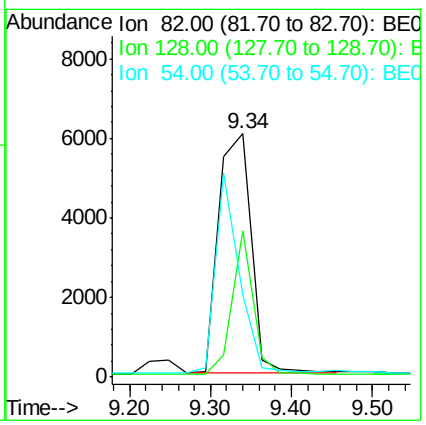
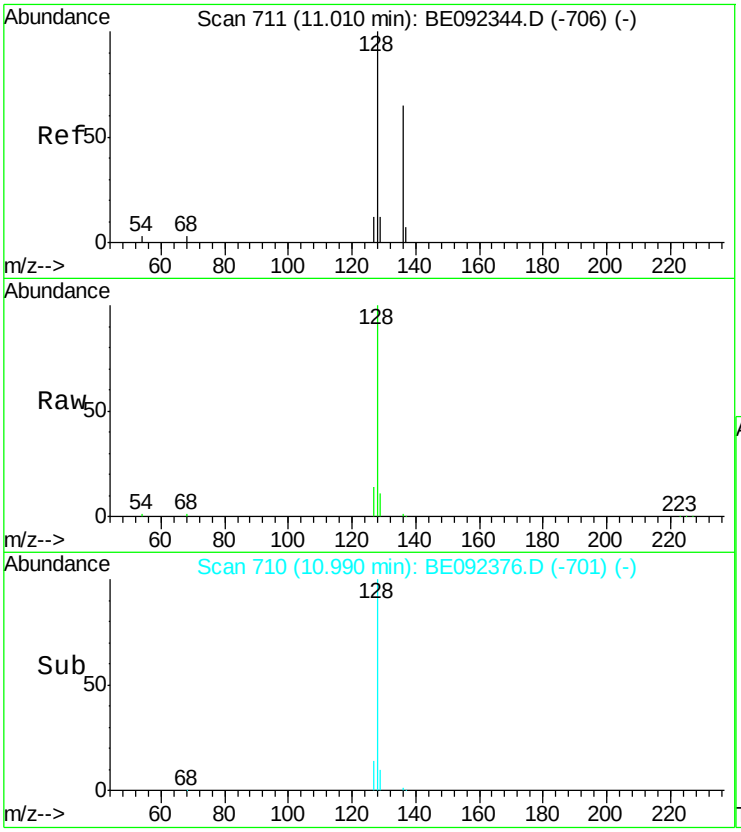


#8
Nitrobenzene-d5
Concen: 4.14 ng
RT: 9.34 min Scan# 627
Delta R.T. -0.02 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion: 82 Resp: 16685

Ion	Ratio	Lower	Upper
82	100		
128	60.3	39.0	58.4#
54	33.7	44.8	67.2#

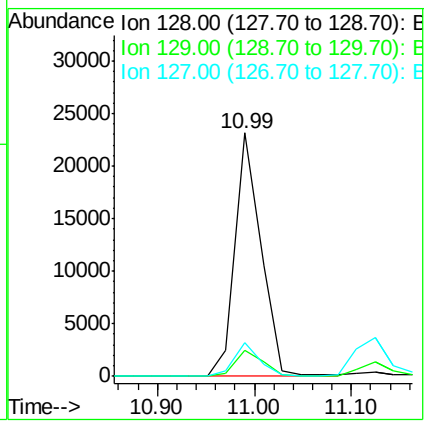




#9
Naphthalene
Concen: 3.36 ng
RT: 10.99 min Scan# 710
Delta R.T. -0.02 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:128 Resp: 42225

Ion	Ratio	Lower	Upper
128	100		
129	10.7	11.2	16.8#
127	13.9	11.6	17.4



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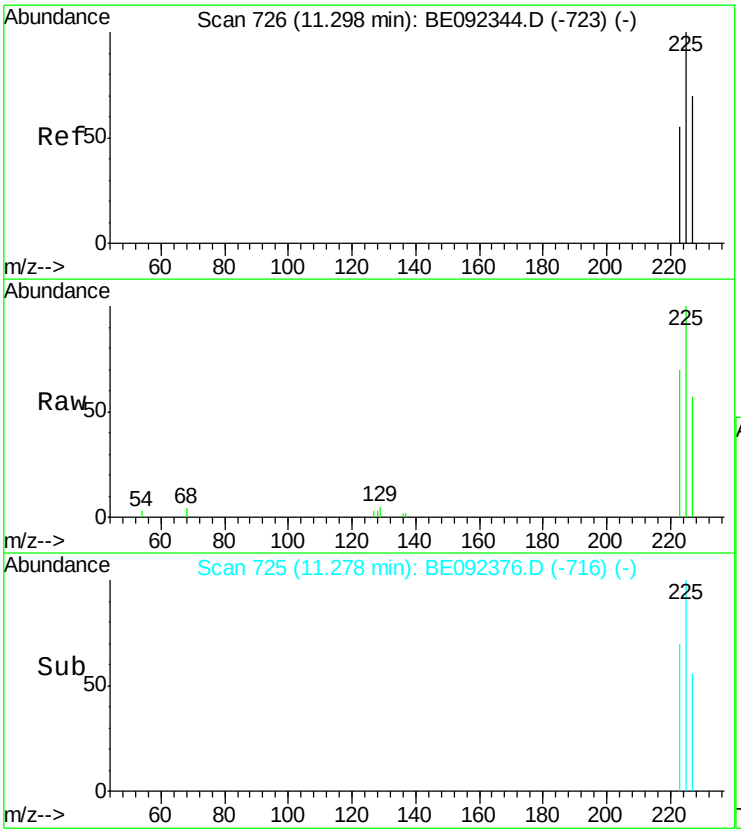
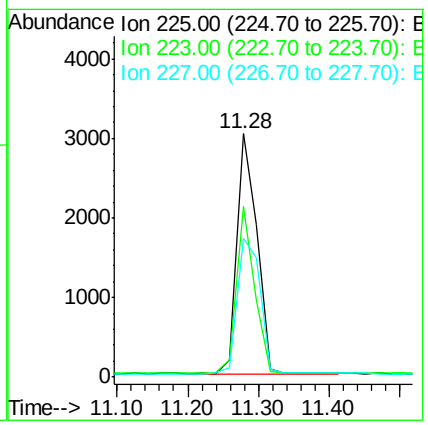
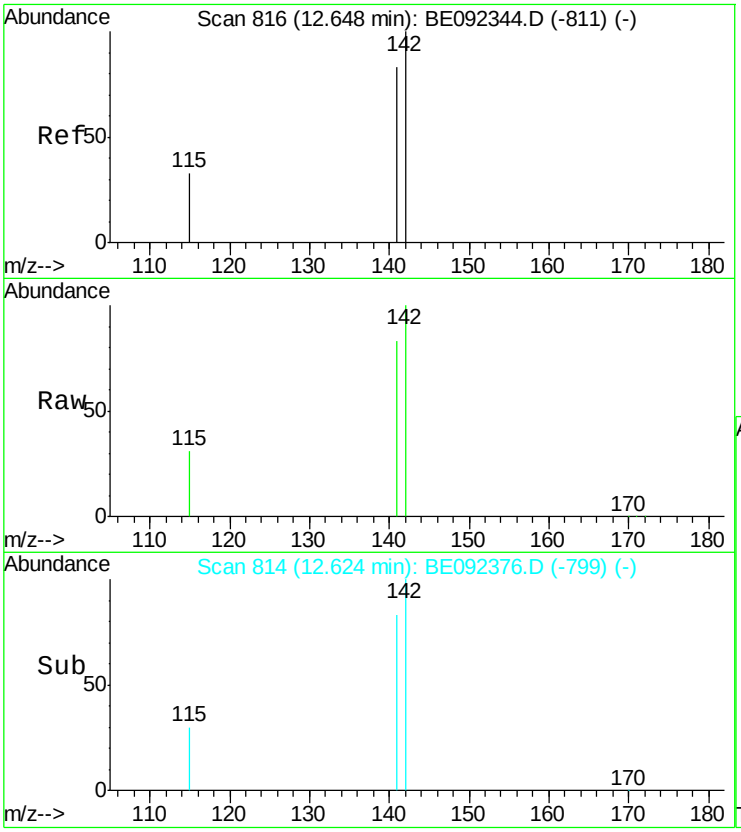


#10
Hexachlorobutadiene
Concen: 3.02 ng
RT: 11.28 min Scan# 725
Delta R.T. -0.02 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:225 Resp: 5915

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.6	76.0
227	64.1	51.4	77.0





#11
2-Methylnaphthalene
Concen: 3.58 ng
RT: 12.62 min Scan# 814
Delta R.T. -0.02 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:142 Resp: 29475

Ion	Ratio	Lower	Upper
142	100		
141	83.0	73.7	110.5
115	30.9	34.0	51.0#

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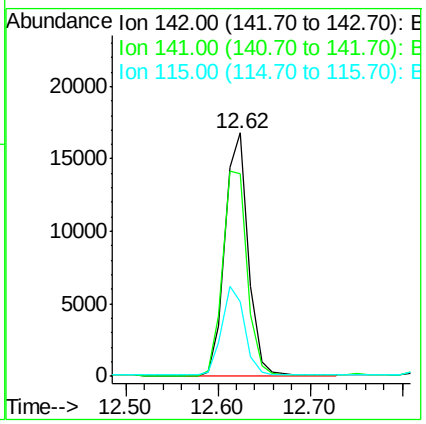
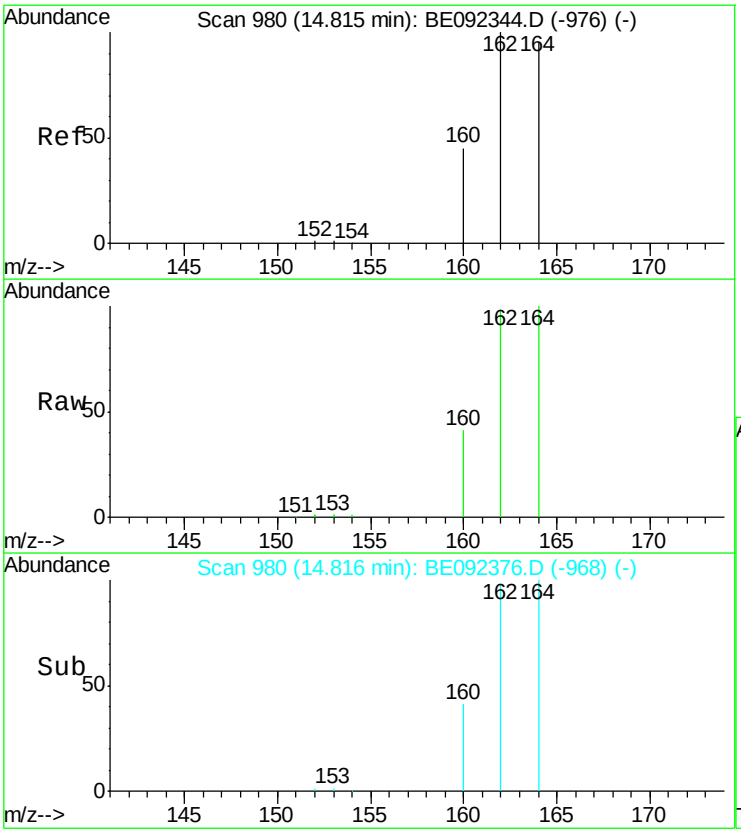
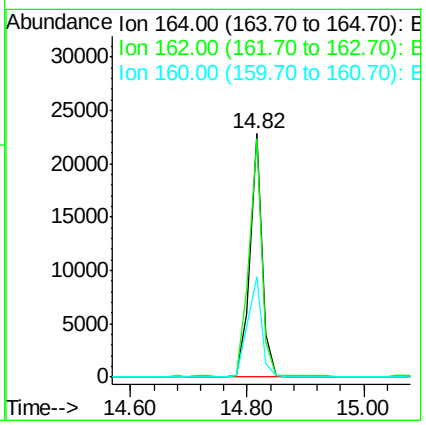


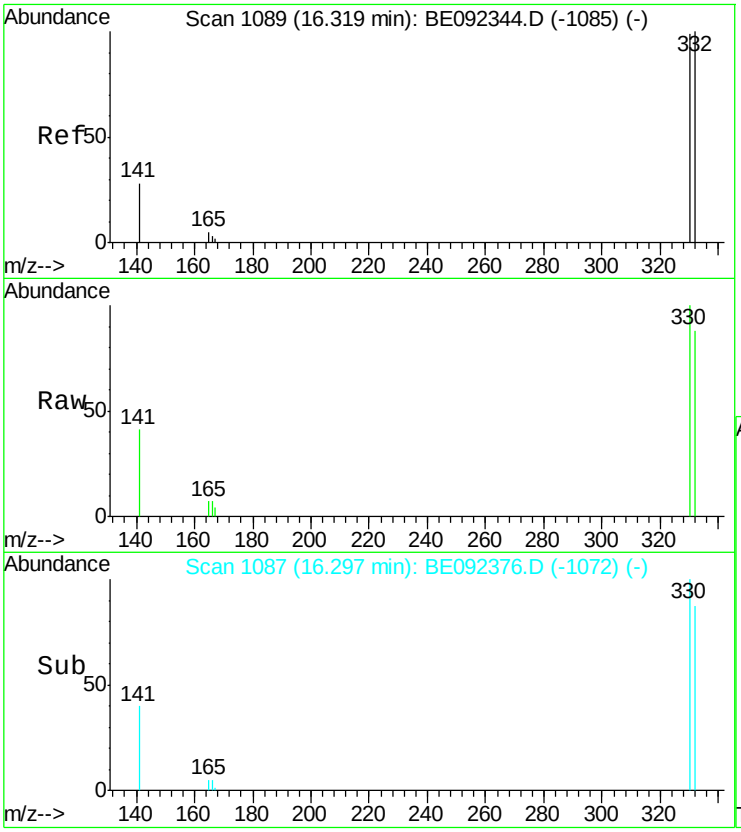


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.82 min Scan# 980
Delta R.T. 0.00 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:164 Resp: 33465

Ion	Ratio	Lower	Upper
164	100		
162	97.9	71.4	107.0
160	41.0	27.4	41.2





#13
2,4,6-Tribromophenol
Concen: 11.26 ng
RT: 16.30 min Scan# 1087
Delta R.T. -0.02 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:330 Resp: 11677

Ion	Ratio	Lower	Upper
330	100		
332	95.9	75.4	113.0
141	41.7	31.0	46.6

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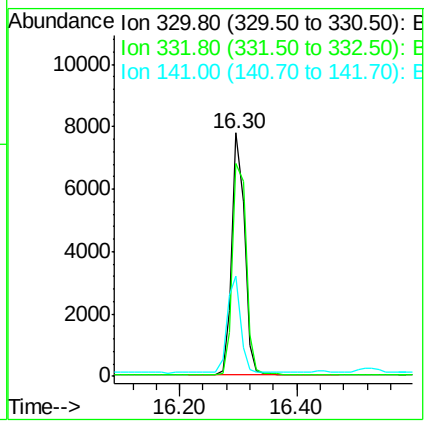
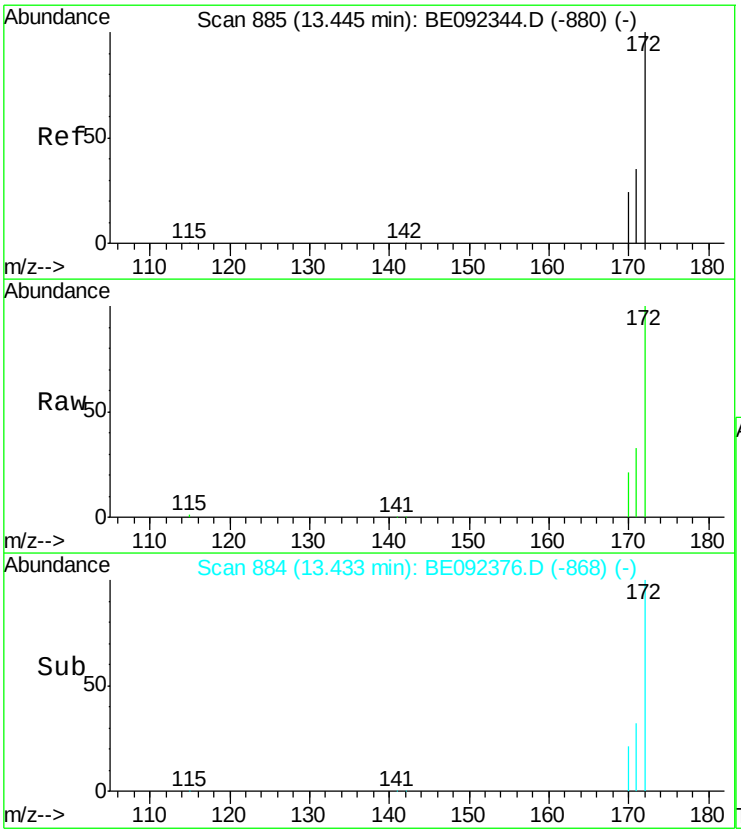
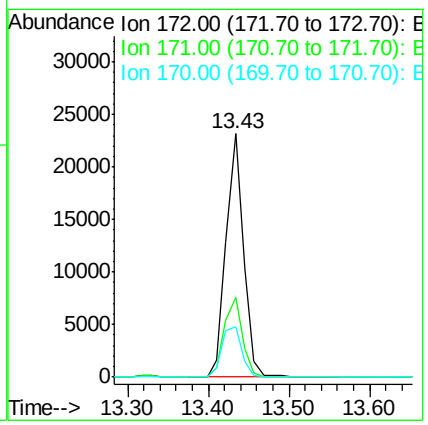


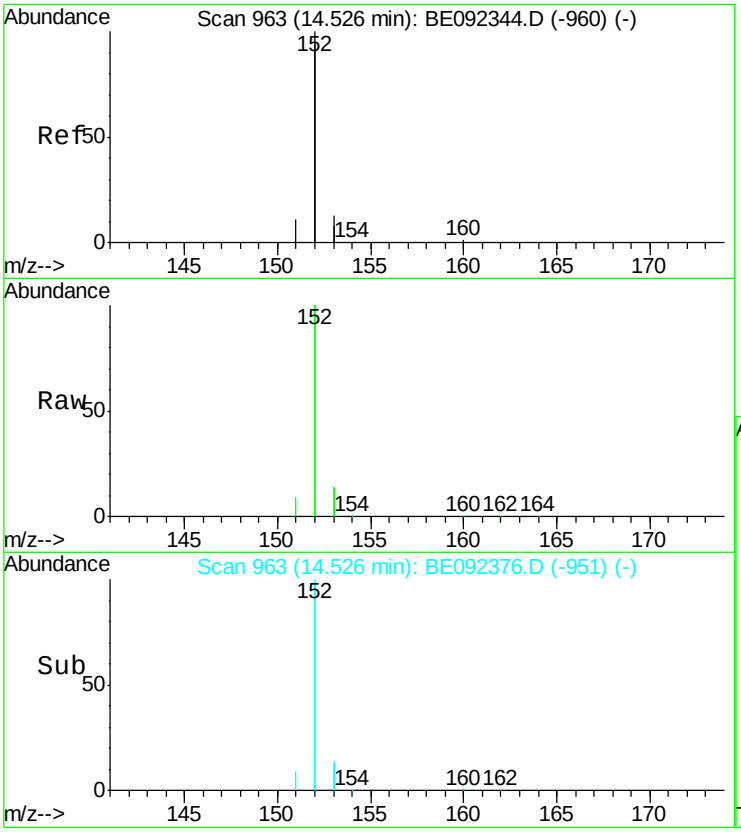


#14
2-Fluorobiphenyl
Concen: 3.37 ng
RT: 13.43 min Scan# 884
Delta R.T. -0.01 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:172 Resp: 34580

Ion	Ratio	Lower	Upper
172	100		
171	32.7	30.1	45.1
170	20.9	21.8	32.6#

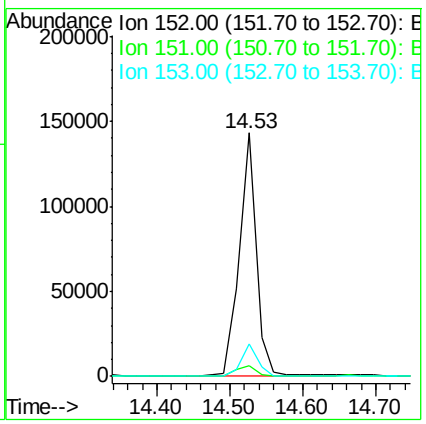




#15
Acenaphthylene
Concen: 3.94 ng
RT: 14.53 min Scan# 963
Delta R.T. 0.00 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:152 Resp: 227191

Ion	Ratio	Lower	Upper
152	100		
151	5.0	3.9	5.9
153	13.0	10.4	15.6



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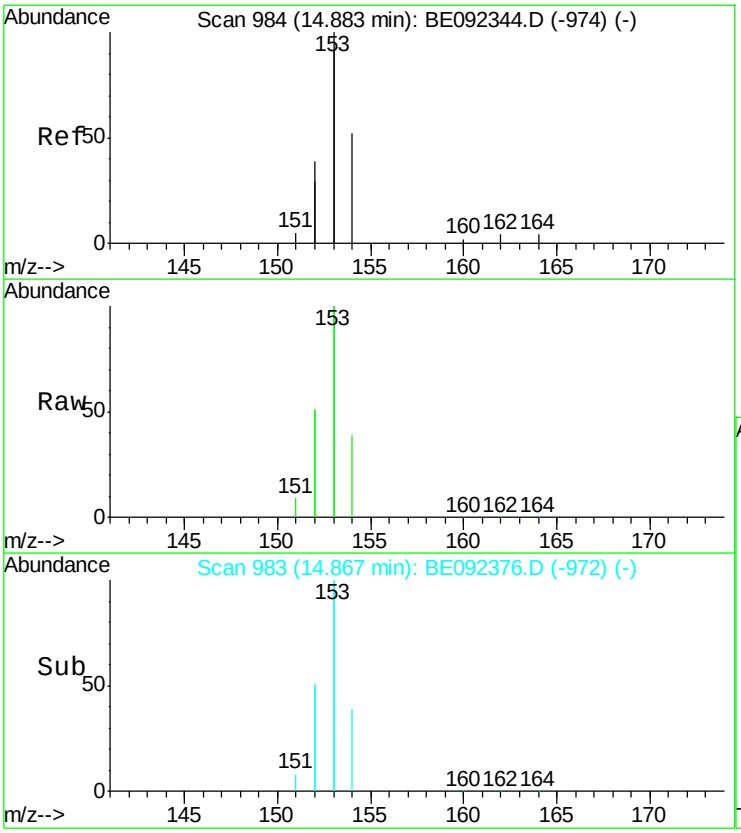
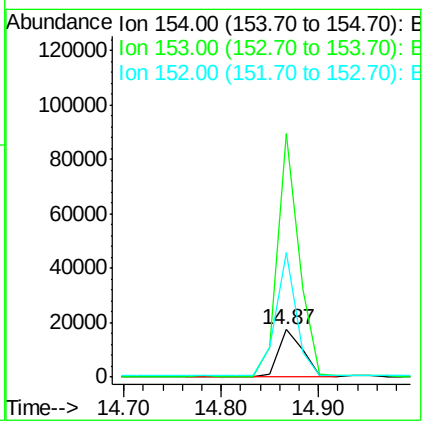
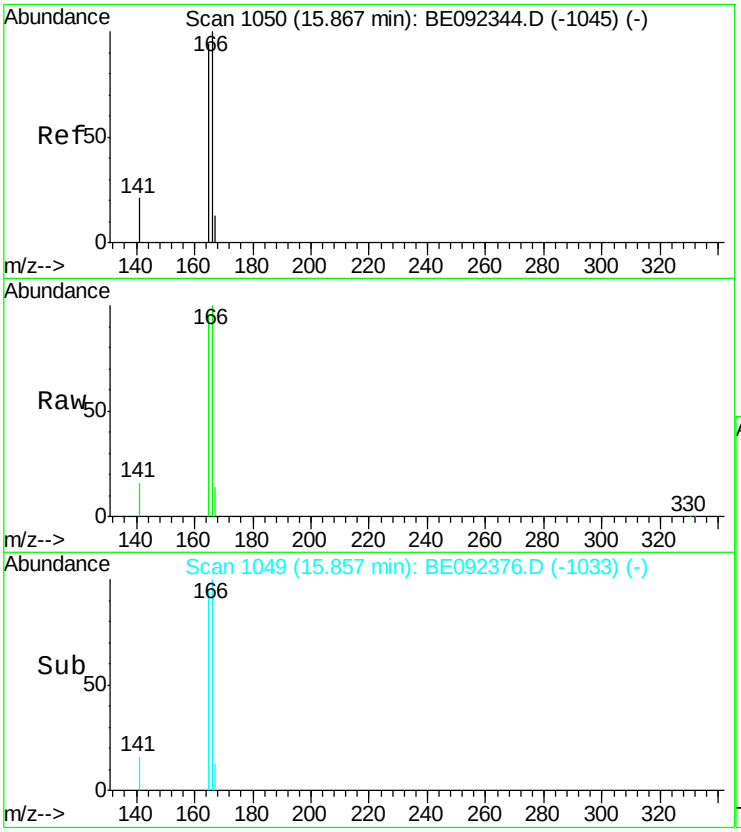


#16
Acenaphthene
Concen: 3.21 ng
RT: 14.87 min Scan# 983
Delta R.T. -0.02 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:154 Resp: 29961

Ion	Ratio	Lower	Upper
154	100		
153	454.1	350.8	526.2
152	220.2	171.1	256.7

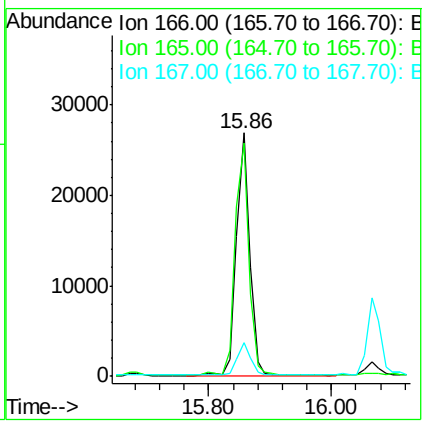




#17
Fluorene
Concen: 3.49 ng
RT: 15.86 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:166 Resp: 40802

Ion	Ratio	Lower	Upper
166	100		
165	99.6	78.2	117.4
167	13.3	11.0	16.4



Instrument :
BNA_E
ClientSampleId :
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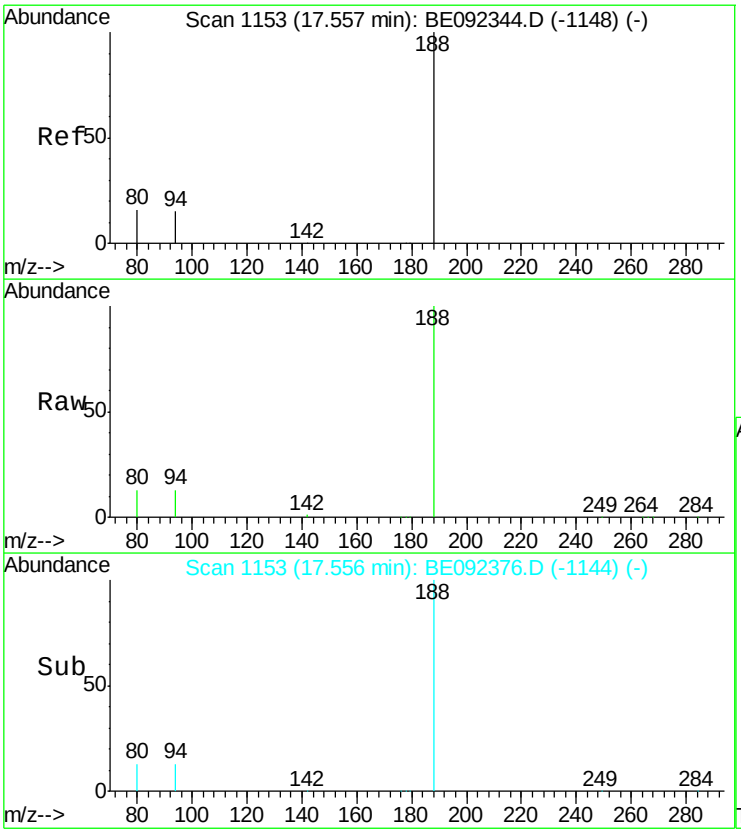
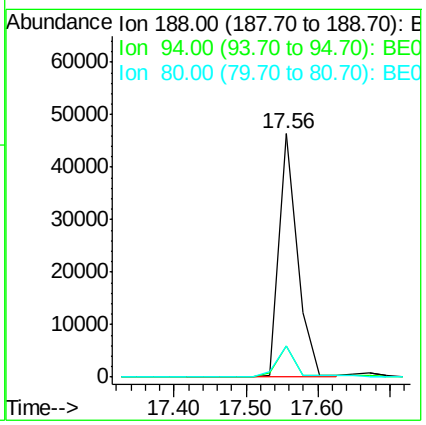
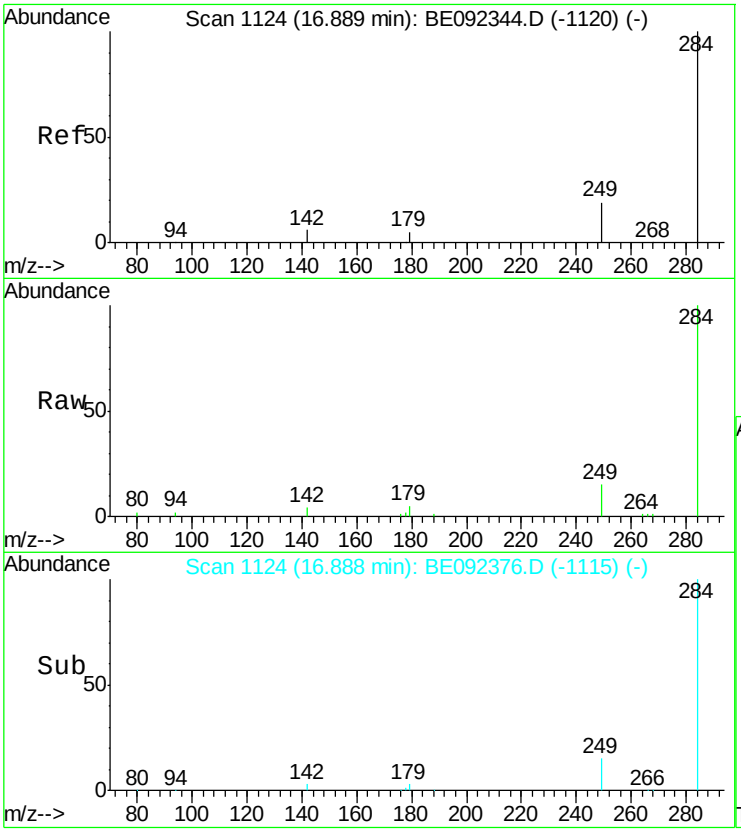


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:188 Resp: 81980

Ion	Ratio	Lower	Upper
188	100		
94	13.0	3.2	4.8#
80	13.0	2.6	3.8#

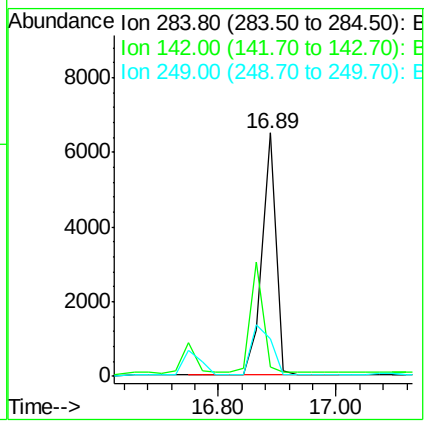




#19
Hexachlorobenzene
Concen: 2.73 ng
RT: 16.89 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:284 Resp: 10723

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



Instrument :
BNA_E
ClientSampleId :
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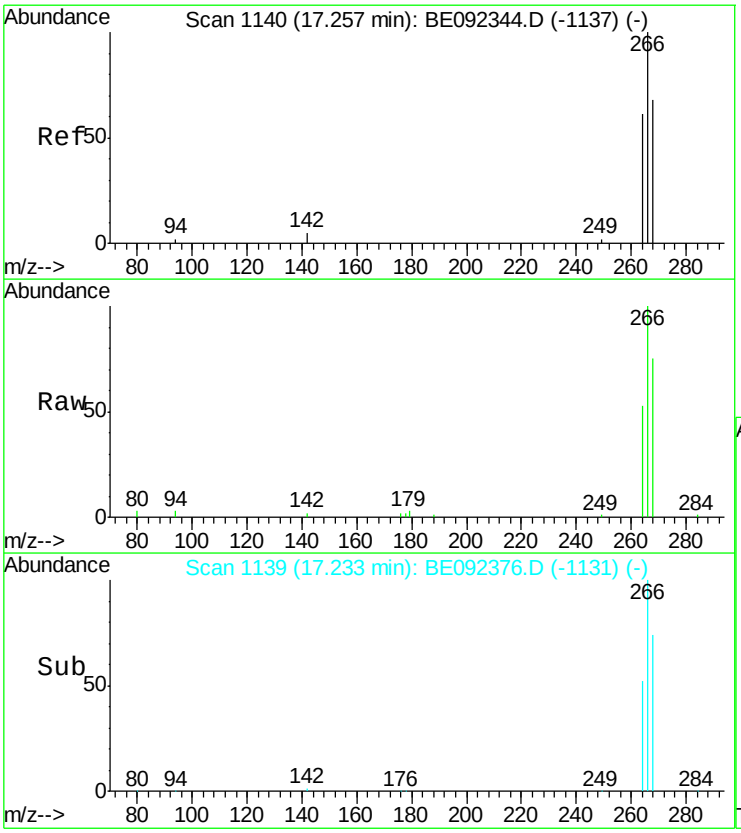
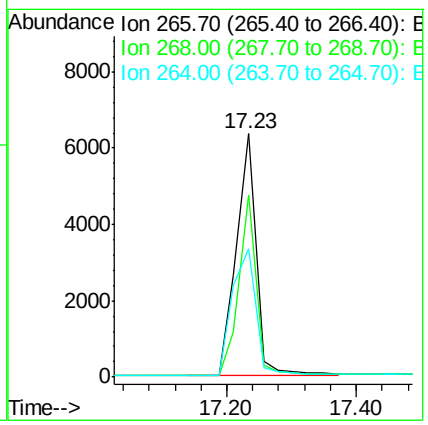
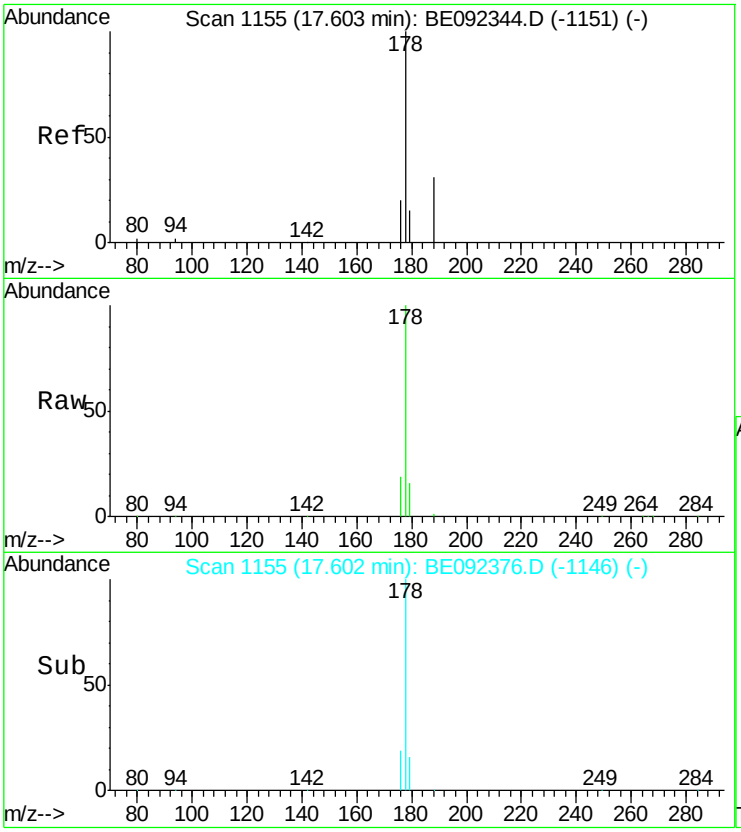


#20
Pentachlorophenol
Concen: 6.60 ng
RT: 17.23 min Scan# 1139
Delta R.T. -0.02 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:266 Resp: 13367

Ion	Ratio	Lower	Upper
266	100		
268	74.6	62.5	93.7
264	52.6	57.2	85.8#

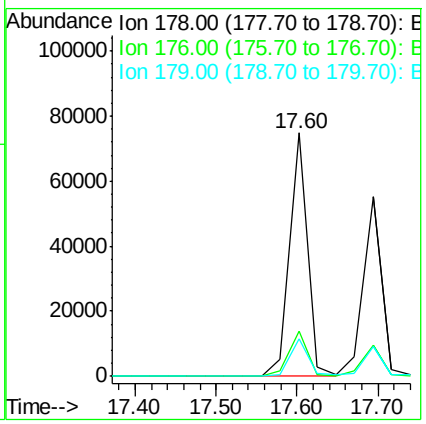




#21
Phenanthrene
Concen: 4.97 ng
RT: 17.60 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:178 Resp: 114611

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.7	16.0	24.0#



Instrument :
BNA_E
ClientSampleId :
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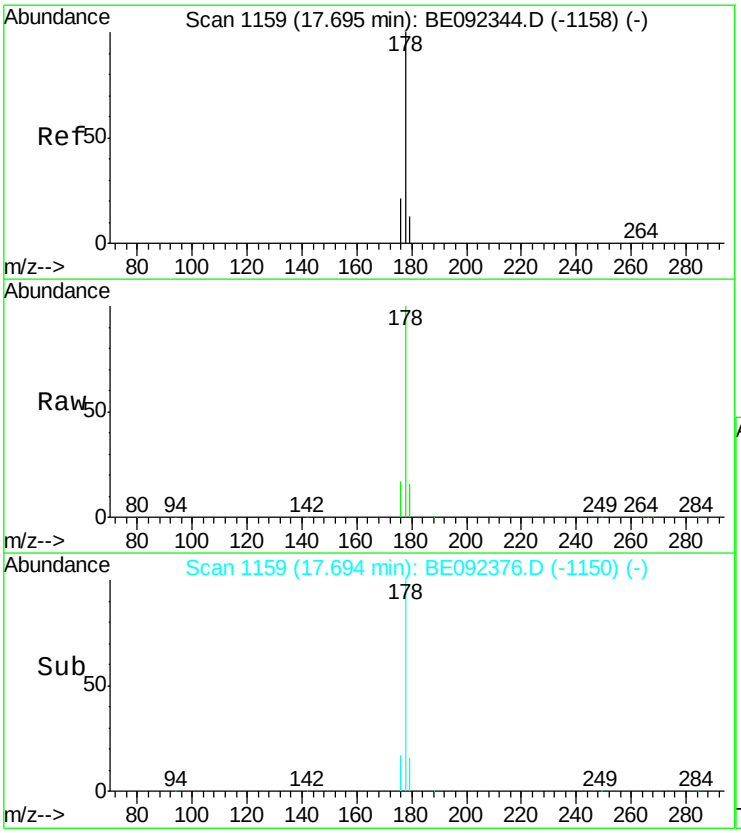
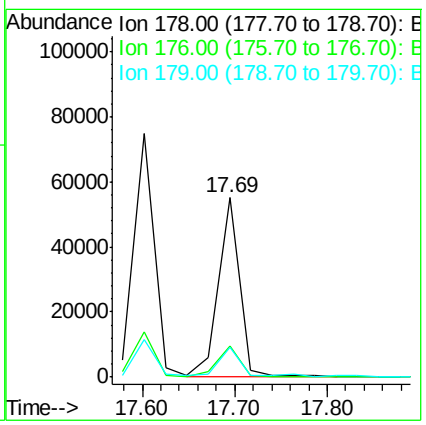
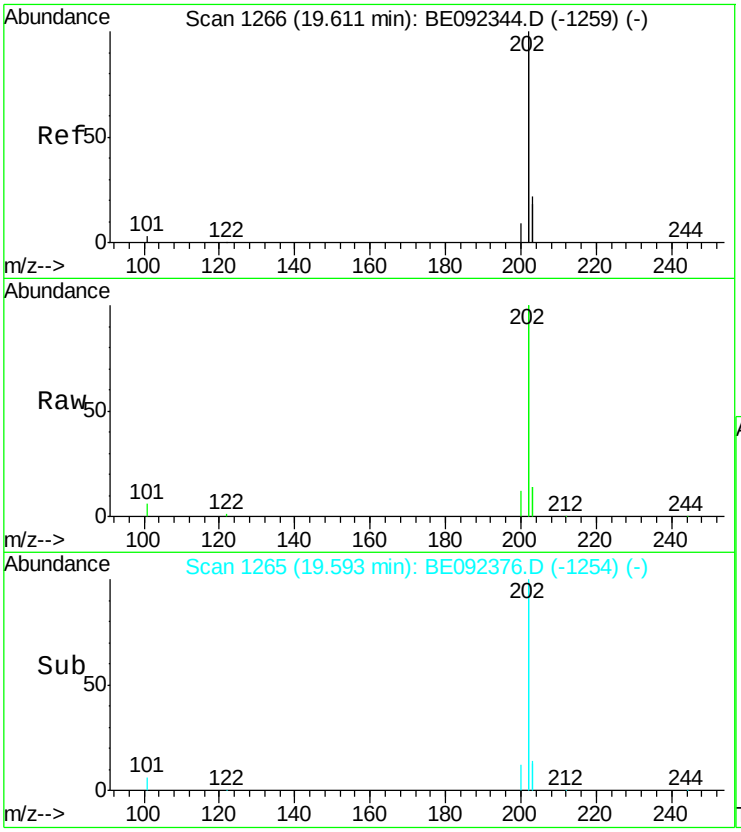


#22
Anthracene
Concen: 4.28 ng
RT: 17.69 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:178 Resp: 87644

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.0	22.4
179	15.3	12.2	18.2

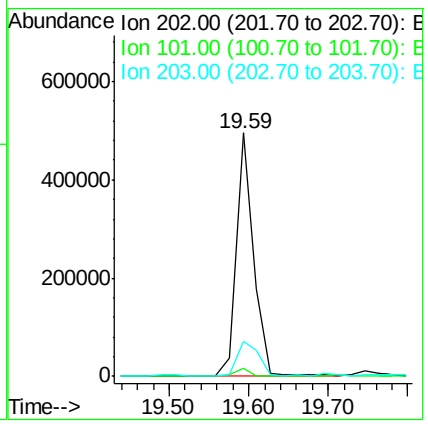




#23
Fluoranthene
Concen: 7.36 ng
RT: 19.59 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:202 Resp: 740455

Ion	Ratio	Lower	Upper
202	100		
101	3.0	2.2	3.4
203	17.3	13.7	20.5



Instrument :
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ClientSampleId :
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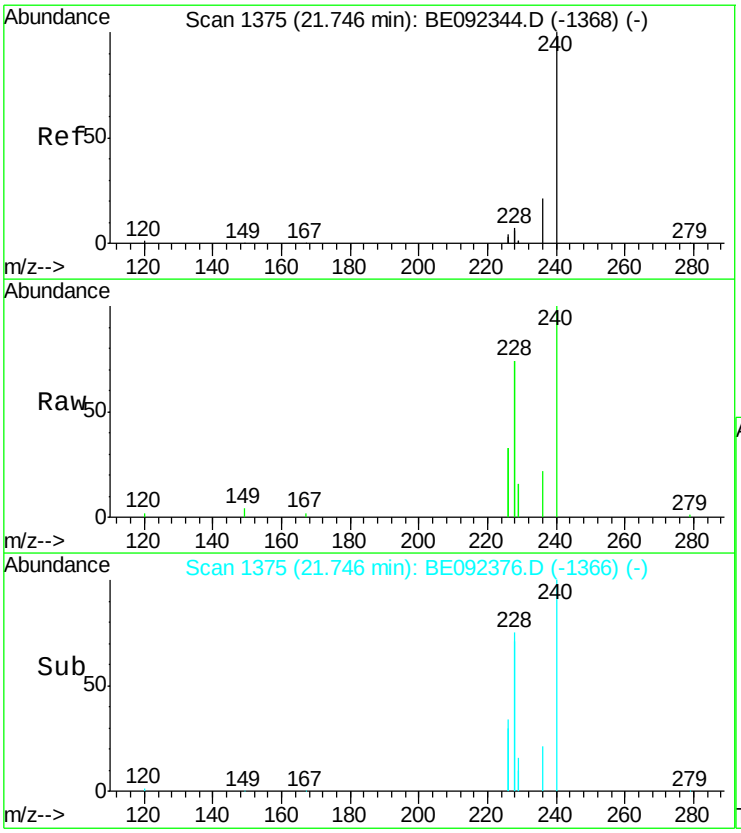
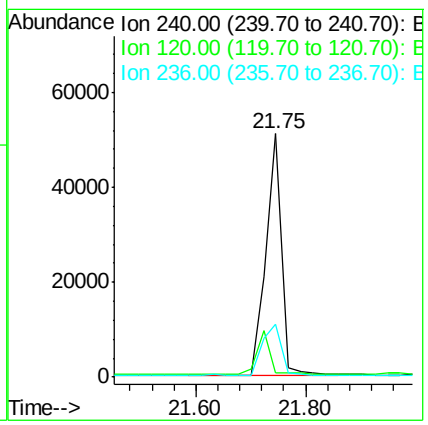
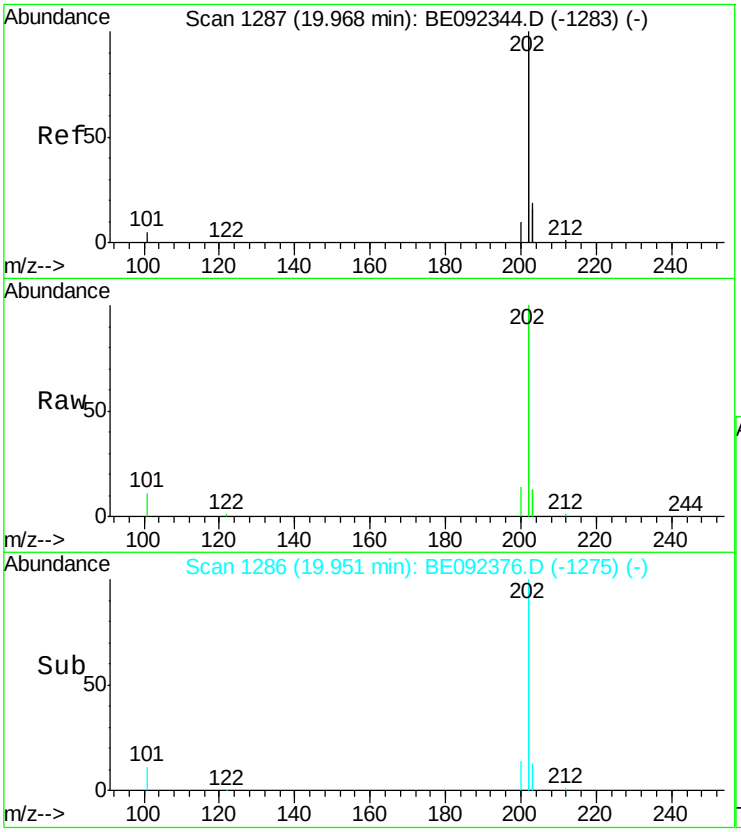


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1375
Delta R.T. -0.00 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:240 Resp: 103030

Ion	Ratio	Lower	Upper
240	100		
120	1.9	2.6	4.0#
236	21.8	24.6	37.0#





#25
Pyrene
Concen: 7.49 ng
RT: 19.95 min Scan# 1286
Delta R.T. -0.02 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:202 Resp: 750873

Ion	Ratio	Lower	Upper
202	100		
200	5.5	4.2	6.4
203	20.4	13.9	20.9

Instrument :
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ClientSampleId :
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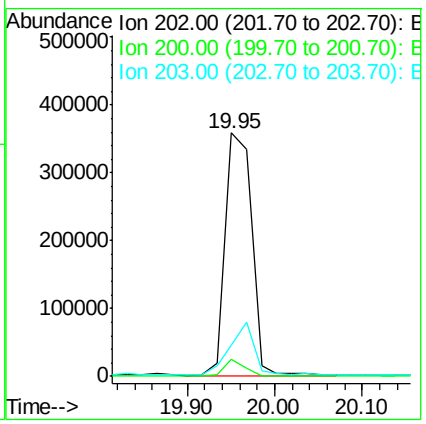
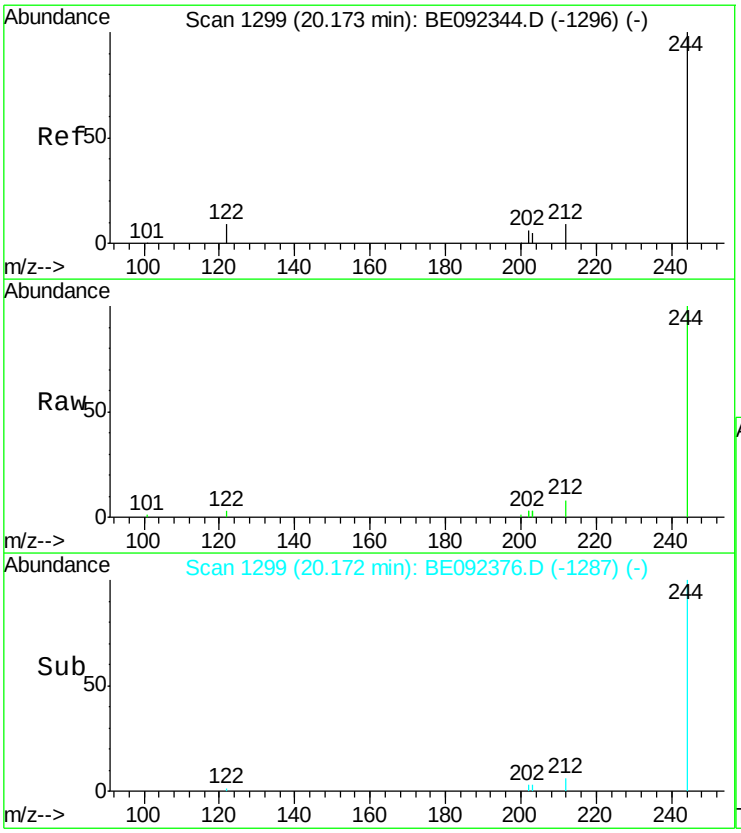
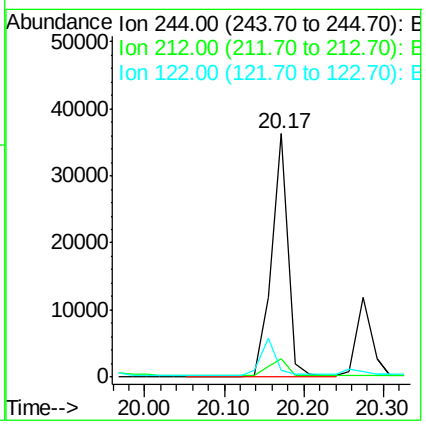


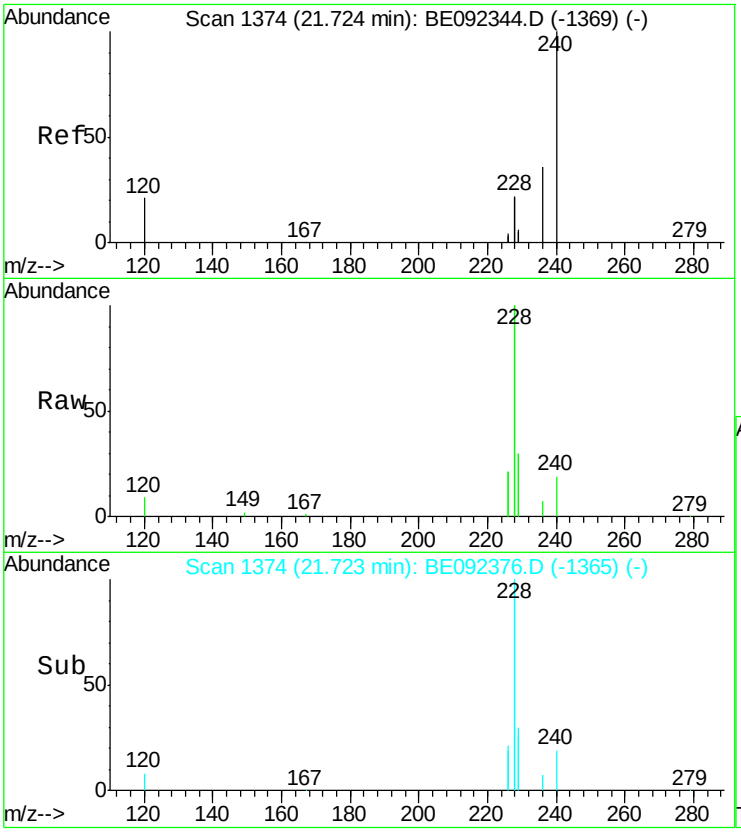


#26
Terphenyl-d14
Concen: 3.37 ng
RT: 20.17 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:244 Resp: 51428

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.7	10.1
122	2.7	3.6	5.4#

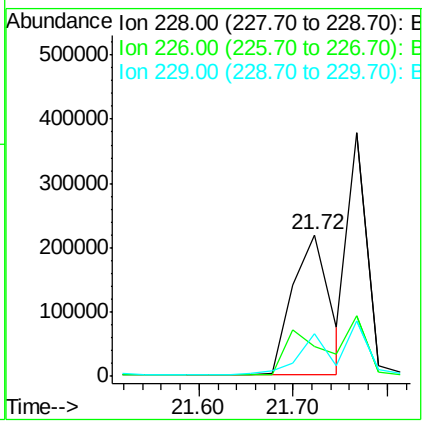




#27
Benzo(a)anthracene
Concen: 5.33 ng
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:228 Resp: 592783

Ion	Ratio	Lower	Upper
228	100		
226	21.0	23.6	35.4#
229	30.1	13.3	19.9#



Instrument :
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ClientSampleId :
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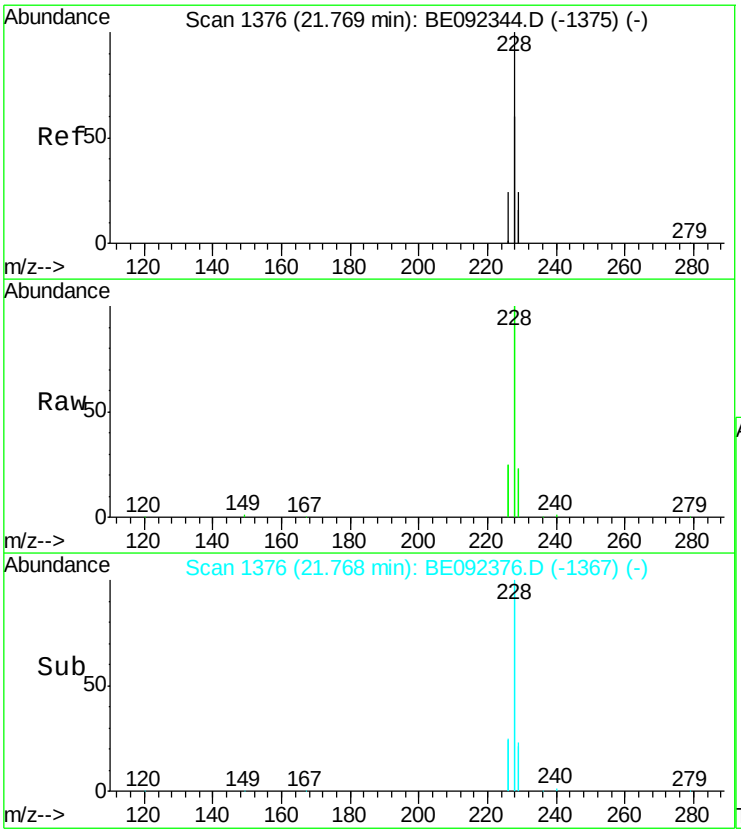
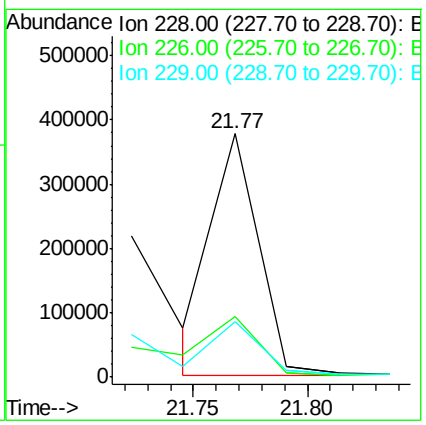
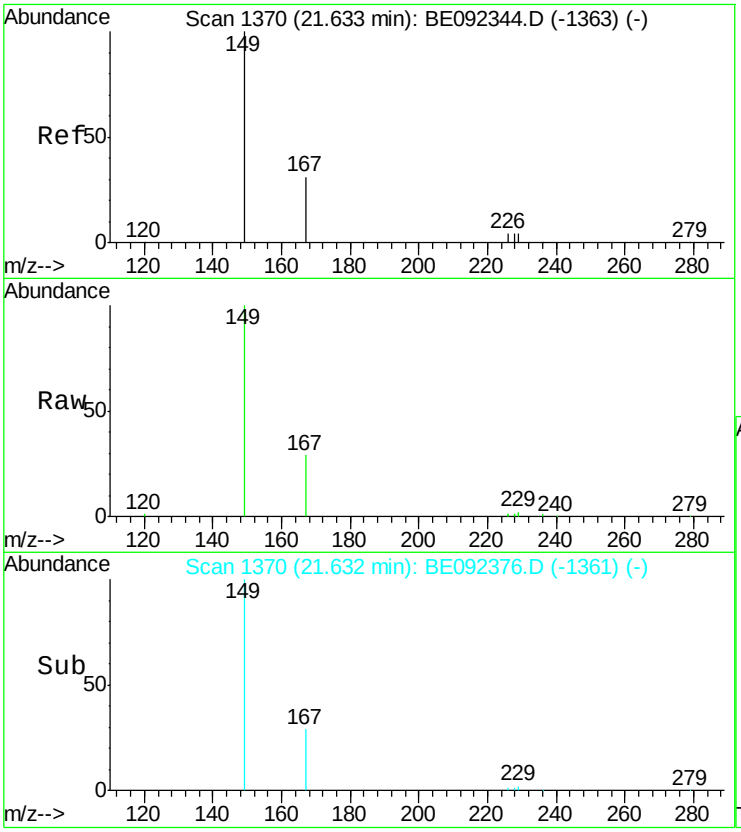


#28
Chrysene
Concen: 5.25 ng m
RT: 21.77 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:228 Resp: 538785

Ion	Ratio	Lower	Upper
228	100		
226	25.1	36.3	54.5#
229	22.7	10.6	16.0#





#29
Bis(2-ethylhexyl)phthalate
Concen: Below Cal
RT: 21.63 min Scan# 1370
Delta R.T. -0.00 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:149 Resp: 134001

Ion	Ratio	Lower	Upper
149	100		
167	29.2	16.0	24.0#
279	0.0	16.0	24.0#

Instrument :
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ClientSampleId :
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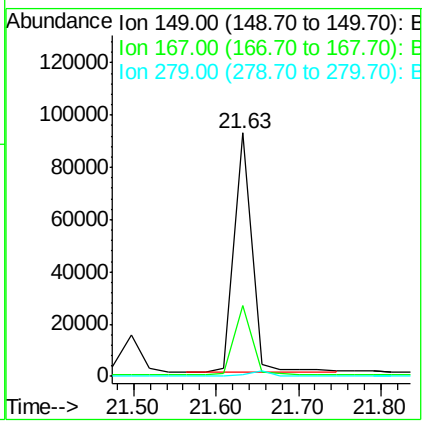
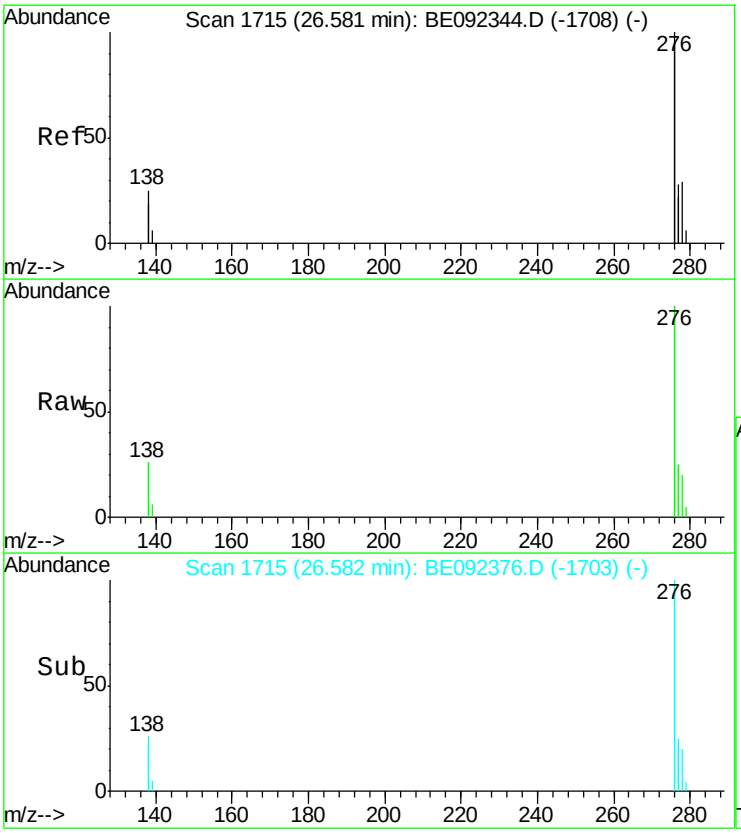
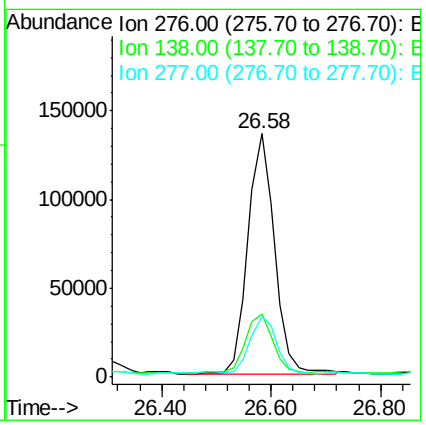


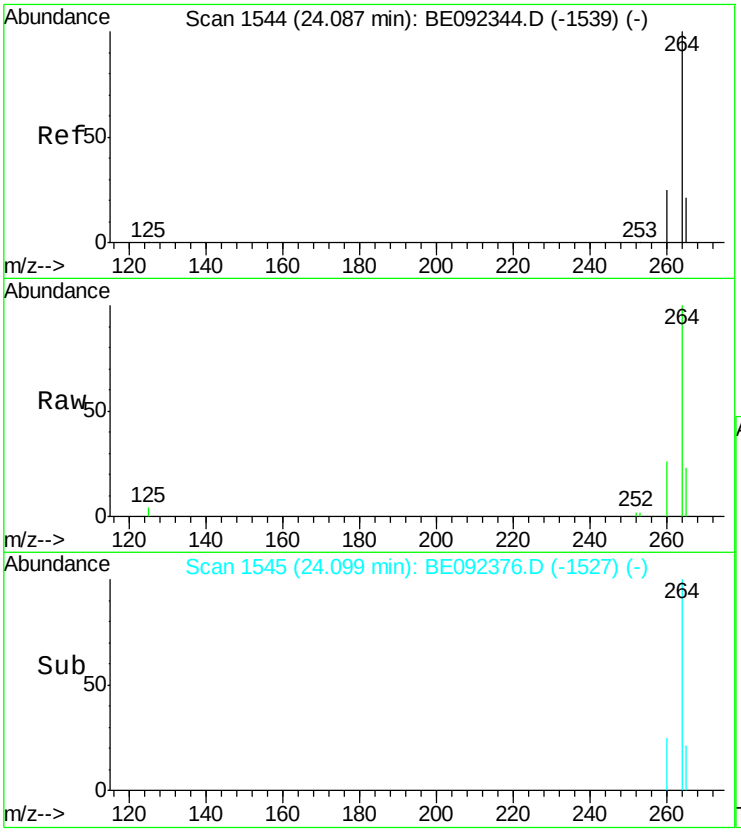


#30
Indeno(1,2,3-cd)pyrene
Concen: 3.92 ng
RT: 26.58 min Scan# 1715
Delta R.T. 0.00 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:276 Resp: 459082

Ion	Ratio	Lower	Upper
276	100		
138	25.1	20.3	30.5
277	23.4	19.7	29.5

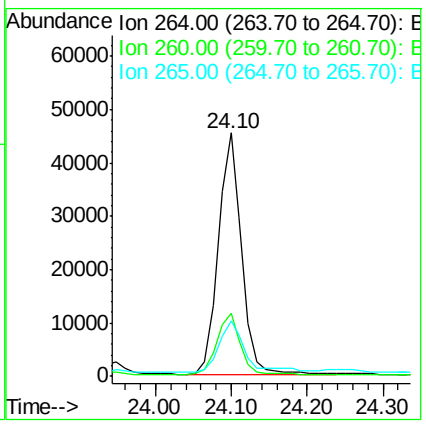




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.10 min Scan# 1545
Delta R.T. 0.01 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:264 Resp: 96381

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.1	30.1
265	22.8	17.9	26.9



Instrument :
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ClientSampleId :
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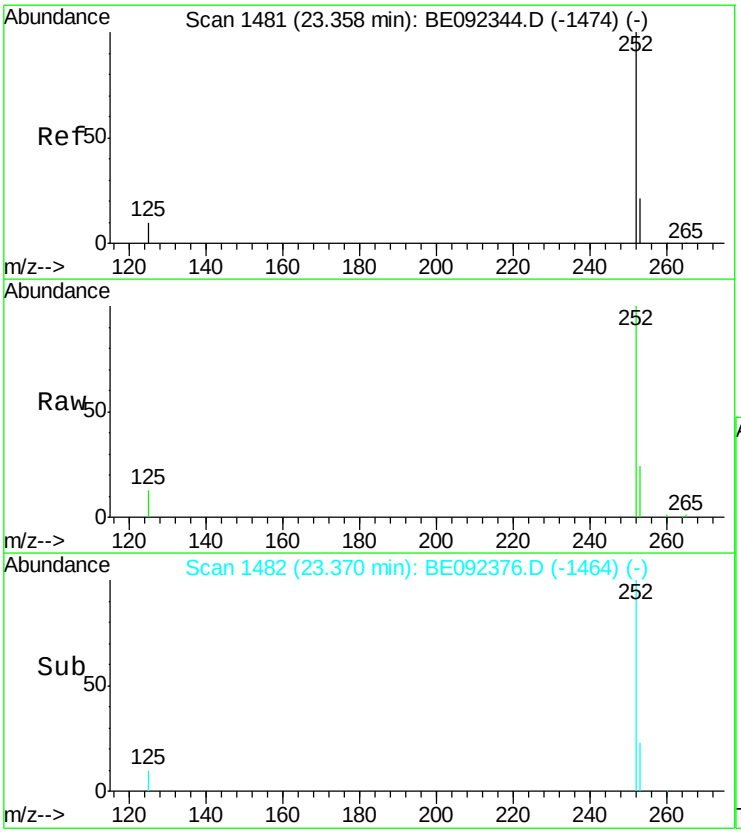
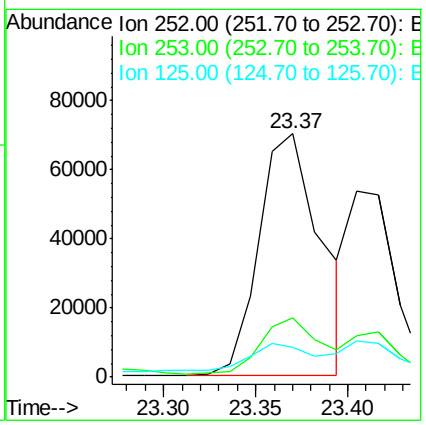
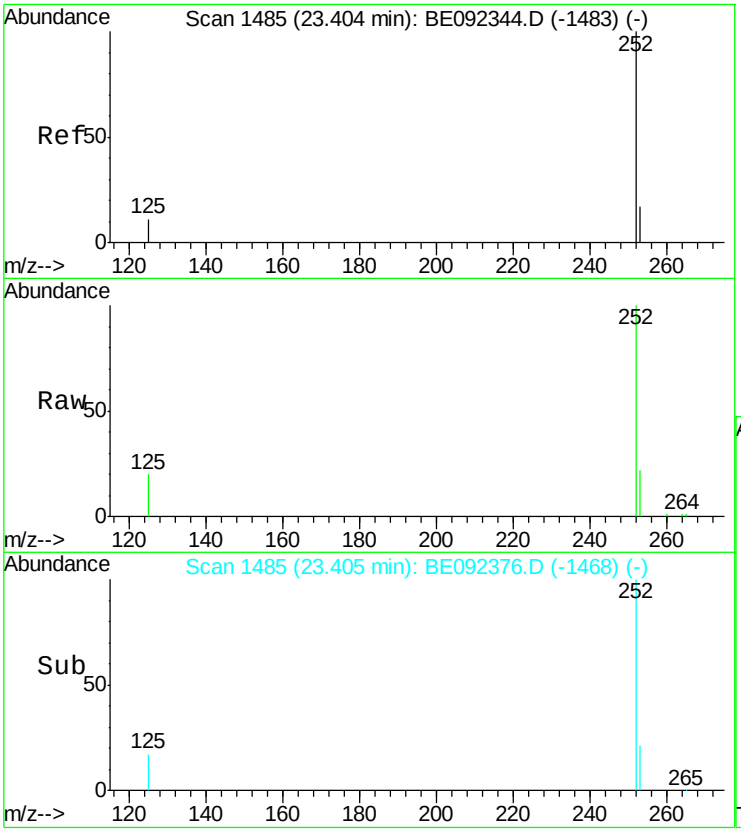


#32
Benzo(b)fluoranthene
Concen: 6.62 ng
RT: 23.37 min Scan# 1482
Delta R.T. 0.01 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:252 Resp: 163928

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.7	28.1
125	12.5	10.5	15.7





#33
Benzo(k)fluoranthene
Concen: 3.52 ng m
RT: 23.41 min Scan# 1485
Delta R.T. 0.00 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:252 Resp: 92142

Ion	Ratio	Lower	Upper
252	100		
253	22.4	20.3	30.5
125	19.5	9.6	14.4#

Instrument :
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ClientSampleId :
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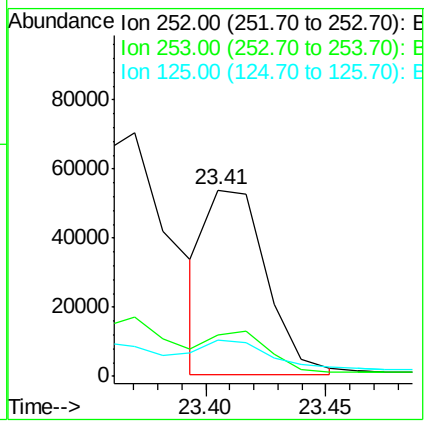
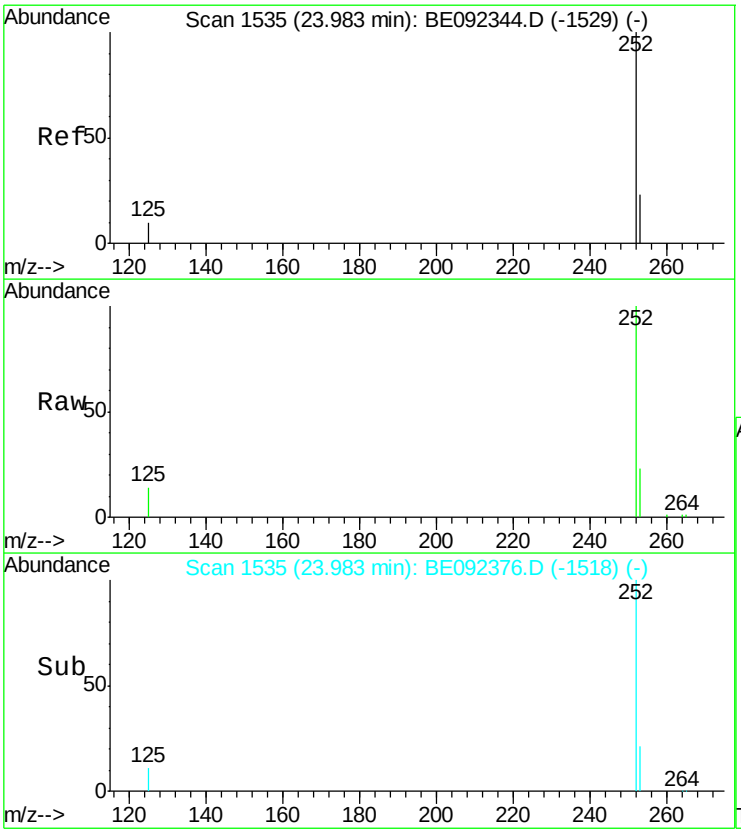
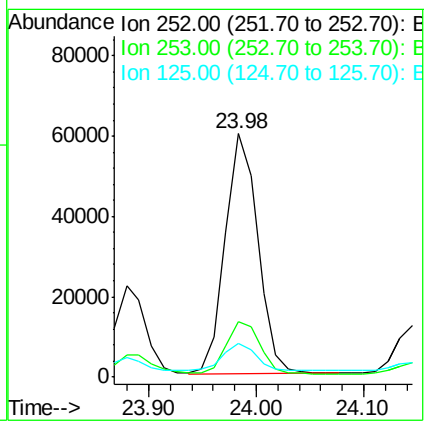


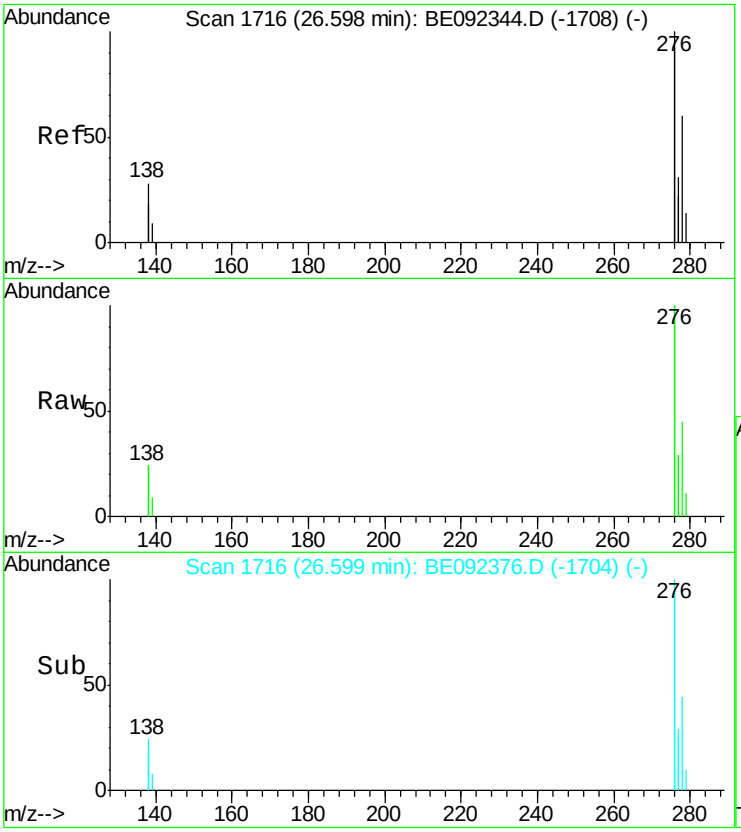


#34
Benzo(a)pyrene
Concen: 5.17 ng
RT: 23.98 min Scan# 1535
Delta R.T. 0.00 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:252 Resp: 125949

Ion	Ratio	Lower	Upper
252	100		
253	22.7	19.0	28.6
125	14.0	11.8	17.8





#35
Dibenzo(a,h)anthracene
Concen: 3.04 ng
RT: 26.60 min Scan# 1716
Delta R.T. 0.00 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Instrument :
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ClientSampleId :
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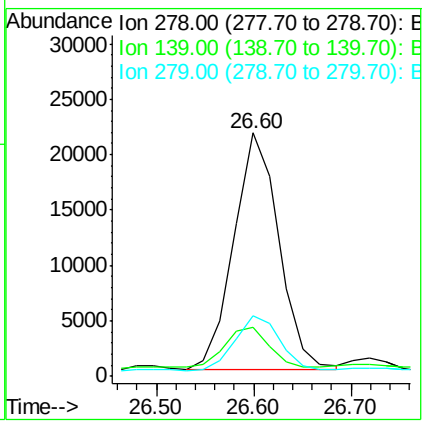
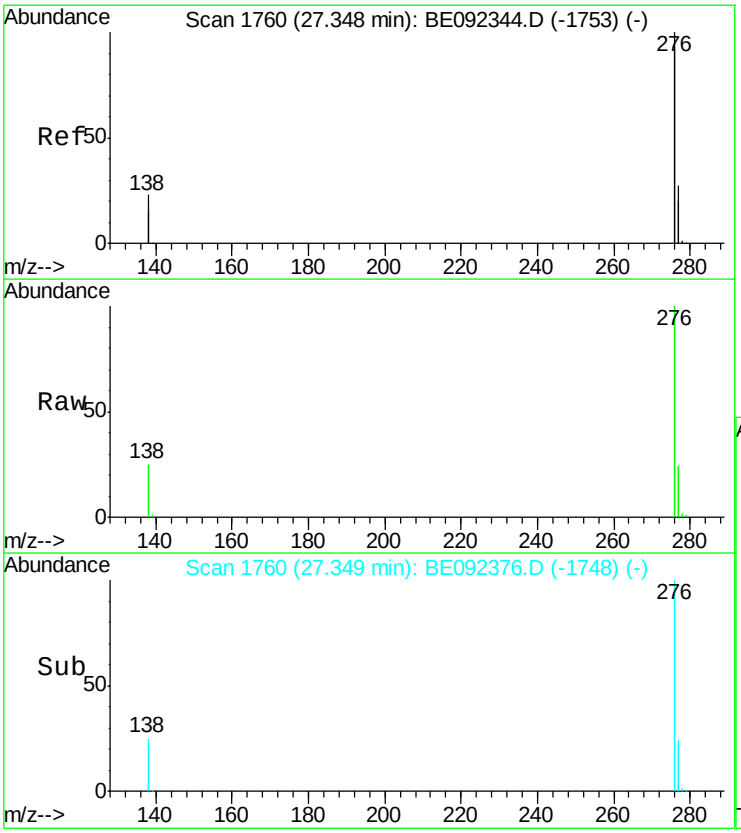
Tgt Ion:278 Resp: 68661

Ion	Ratio	Lower	Upper
278	100		
139	20.0	13.8	20.8
279	24.8	21.4	32.2





#36
Benzo(g,h,i)perylene
Concen: 4.31 ng
RT: 27.35 min Scan# 1760
Delta R.T. 0.00 min
Lab File: BE092376.D
Acq: 12 Sep 2016 17:47

Tgt Ion:276 Resp: 410183

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.8	29.8
138	24.8	19.8	29.6