Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092616\
Data File : BE092430.D
Acq On : 26 Sep 2016 17:48
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Manual Integrations APPROVED
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Quant Time: Sep 26 19:24:45 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE092216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 22 18:25:56 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	12437	5.00	ng		-0.02
7) Naphthalene-d8	10.95	136	61646	5.00	ng		0.00
12) Acenaphthene-d10	14.81	164	45393	5.00	ng		0.00
18) Phenanthrene-d10	17.58	188	91010	5.00	ng		0.02
24) Chrysene-d12	21.75	240	116494	5.00	ng		0.00
31) Perylene-d12	24.12	264	106791	5.00	ng		0.04
System Monitoring Compounds							
4) 2-Fluorophenol	5.67	112	865	0.40	ng		-0.01
5) Phenol-d6	7.36	99	1103	0.35	ng		0.00
8) Nitrobenzene-d5	9.36	82	1350	0.44	ng		0.00
13) 2,4,6-Tribromophenol	16.32	330	411	0.41	ng		0.00
14) 2-Fluorobiphenyl	13.45	172	4356	0.41	ng		0.00
26) Terphenyl-d14	20.17	244	6134	0.42	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.40	88	580	0.33	ng		99
3) n-Nitrosodimethylamine	3.78	42	589	0.48	ng	#	97
6) bis(2-Chloroethyl)ether	7.59	93	1077	0.41	ng		97
9) Naphthalene	10.99	128	5135	0.38	ng		97
10) Hexachlorobutadiene	11.28	225	787	0.37	ng		100
11) 2-Methylnaphthalene	12.64	142	3358	0.38	ng		92
15) Acenaphthylene	14.52	152	24275	0.37	ng		100
16) Acenaphthene	14.88	154	4005	0.39	ng		98
17) Fluorene	15.87	166	4868	0.37	ng		99
19) Hexachlorobenzene	16.89	284	1594	0.41	ng	#	66
20) Pentachlorophenol	17.26	266	315	0.39	ng		98
21) Phenanthrene	17.60	178	8457	0.40	ng		96
22) Anthracene	17.72	178	7854m	0.39	ng		
23) Fluoranthene	19.61	202	41441	0.42	ng		99
25) Pyrene	19.97	202	44827	0.44	ng		99
27) Benzo(a)anthracene	21.72	228	48819m	0.43	ng		
28) Chrysene	21.77	228	41787m	0.40	ng		
29) Bis(2-ethylhexyl)phthalate	21.63	149	3993	0.41	ng	#	56
30) Indeno(1,2,3-cd)pyrene	26.62	276	43231	0.39	ng		95
32) Benzo(b)fluoranthene	23.38	252	9823m	0.38	ng		
33) Benzo(k)fluoranthene	23.44	252	10763	0.40	ng		99
34) Benzo(a)pyrene	24.01	252	9893	0.39	ng	#	89
35) Dibenzo(a,h)anthracene	26.65	278	8882	0.38	ng		98
36) Benzo(g,h,i)perylene	27.40	276	37150	0.37	ng		99

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

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Misc :
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Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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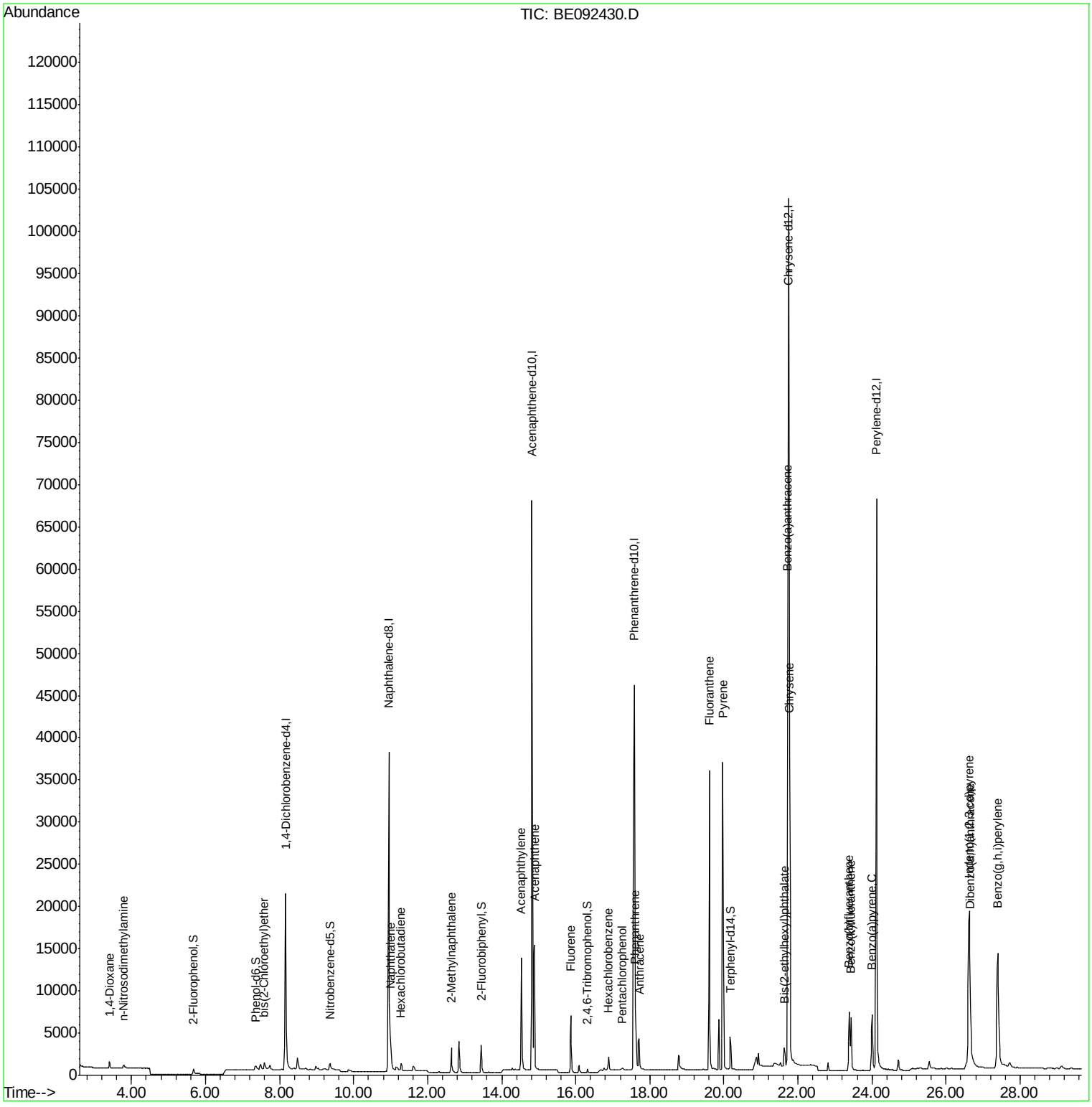
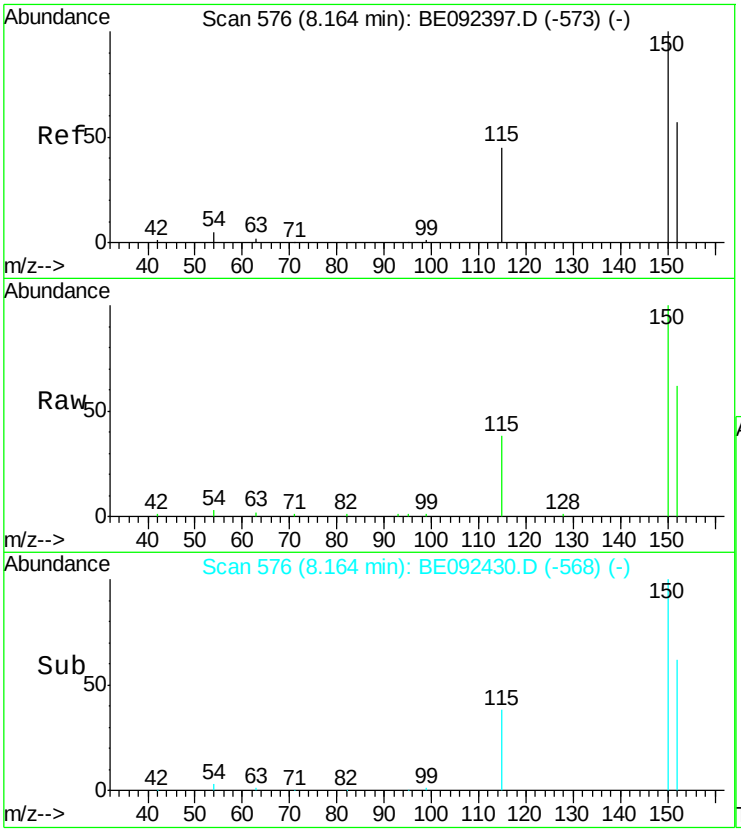
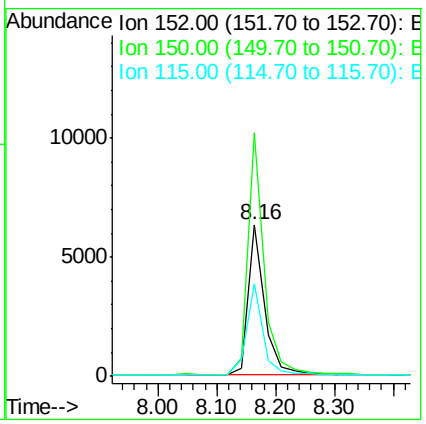




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.16 min Scan# 576
Delta R.T. -0.02 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:152 Resp: 12437

Ion	Ratio	Lower	Upper
152	100		
150	160.5	106.0	159.0#
115	61.1	31.2	46.8#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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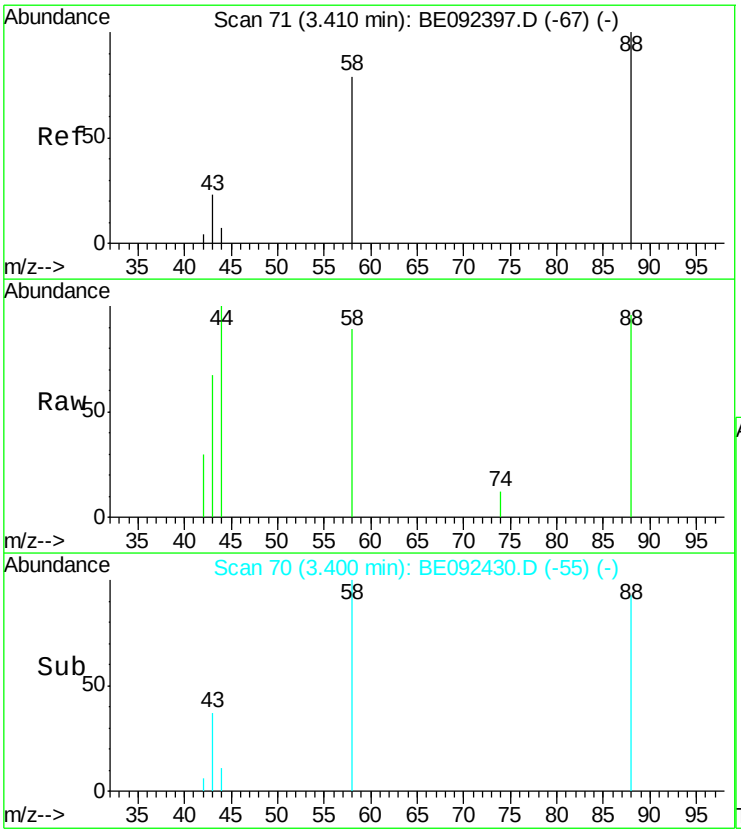
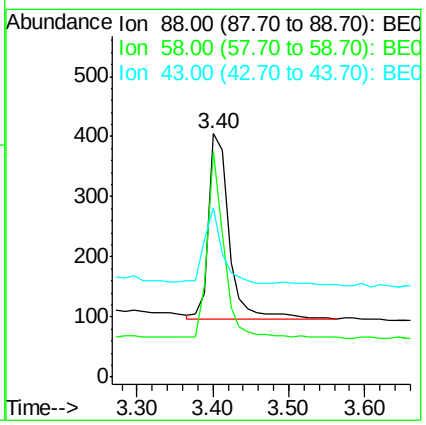
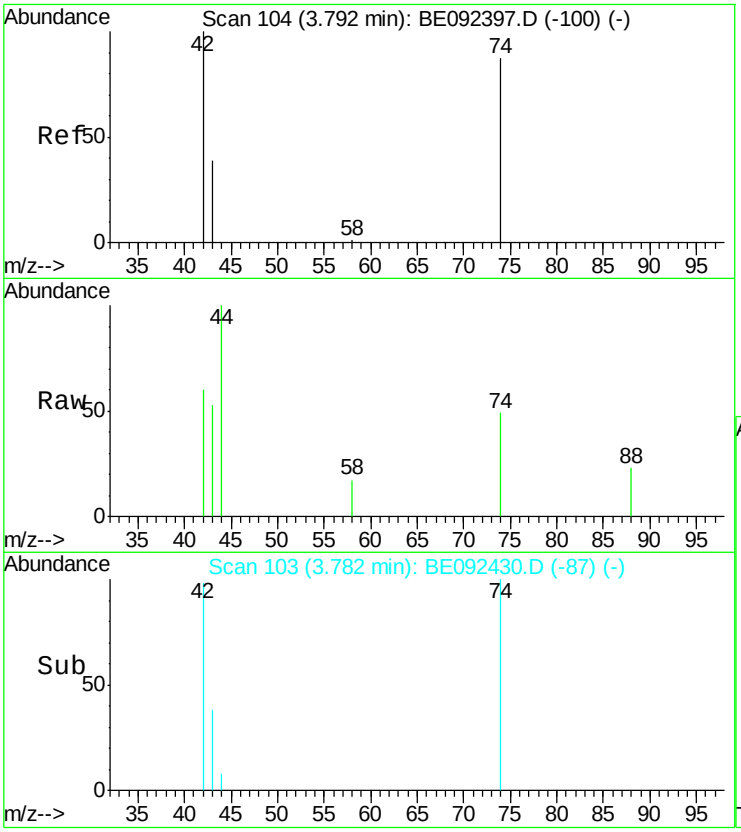


#2
1,4-Dioxane
Concen: 0.33 ng
RT: 3.40 min Scan# 70
Delta R.T. -0.02 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion: 88 Resp: 580

Ion	Ratio	Lower	Upper
88	100		
58	80.7	63.6	95.4
43	34.8	28.0	42.0

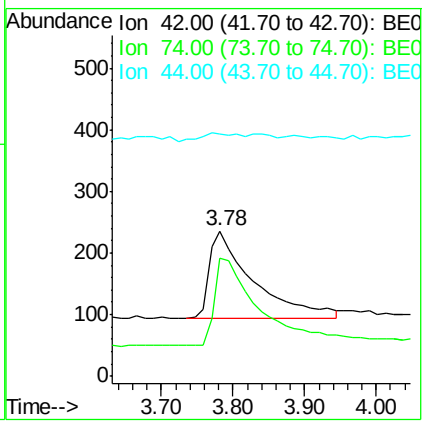




#3
n-Nitrosodimethylamine
Concen: 0.48 ng
RT: 3.78 min Scan# 103
Delta R.T. -0.02 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion: 42 Resp: 589

Ion	Ratio	Lower	Upper
42	100		
74	104.9	86.0	129.0
44	9.7	5.1	7.7#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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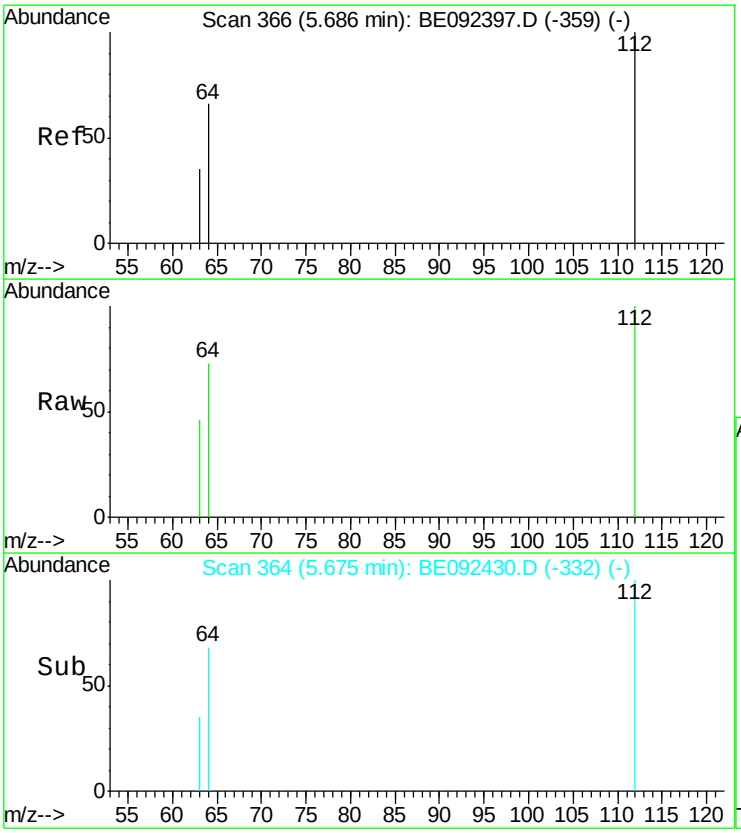
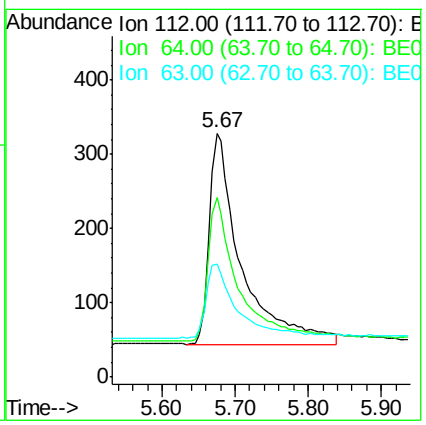
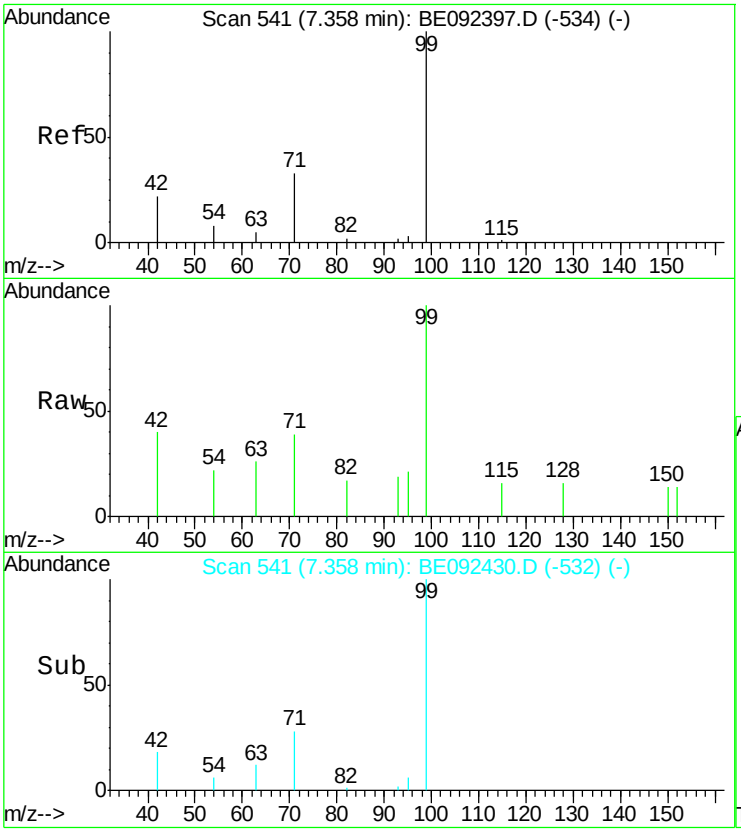


#4
2-Fluorophenol
Concen: 0.40 ng
RT: 5.67 min Scan# 364
Delta R.T. -0.01 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:112 Resp: 865

Ion	Ratio	Lower	Upper
112	100		
64	67.2	53.5	80.3
63	35.6	27.9	41.9





#5
Phenol-d6
Concen: 0.35 ng
RT: 7.36 min Scan# 541
Delta R.T. 0.00 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion: 99 Resp: 1103

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

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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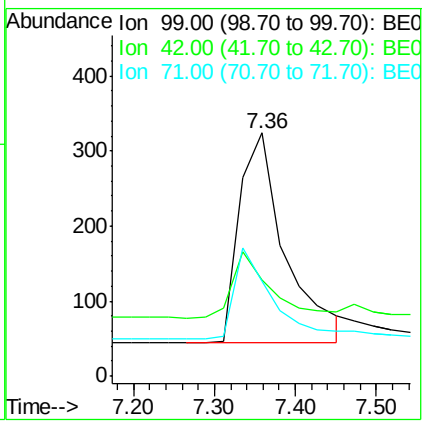
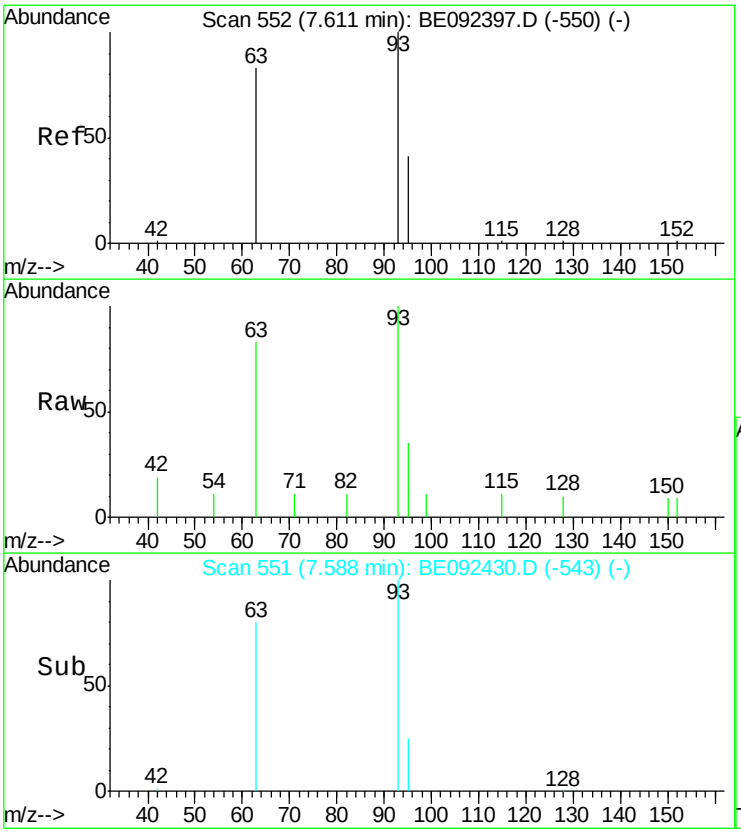
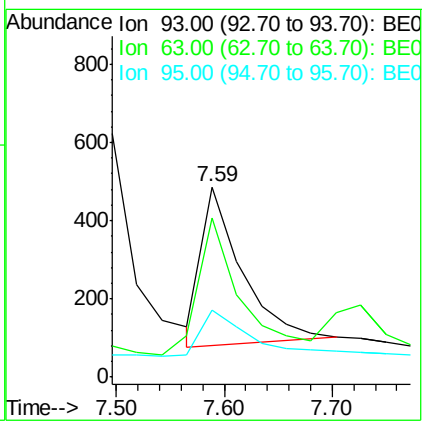


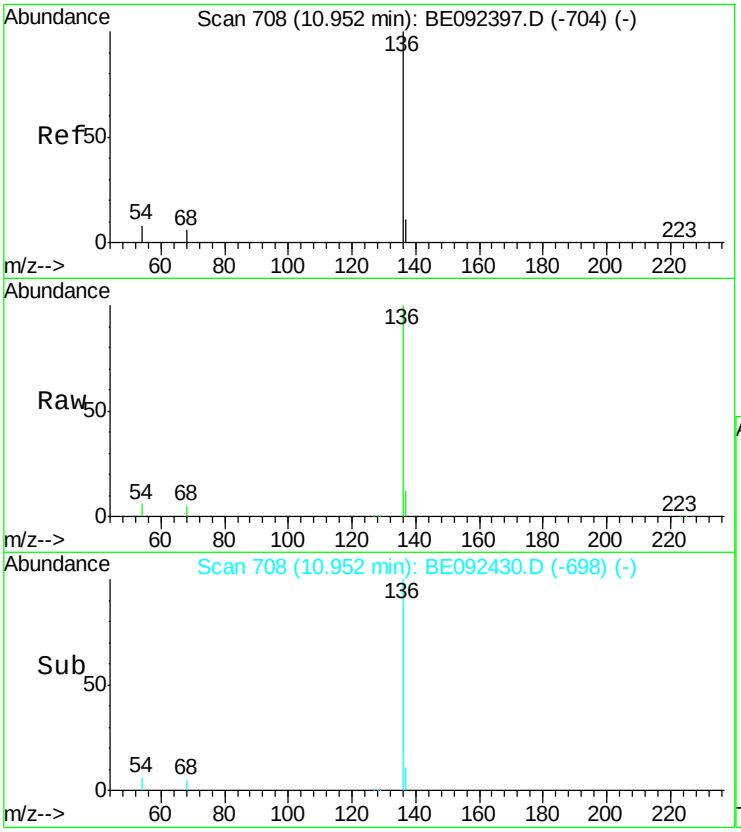


#6
bis(2-Chloroethyl)ether
Concen: 0.41 ng
RT: 7.59 min Scan# 551
Delta R.T. -0.02 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion: 93 Resp: 1077

Ion	Ratio	Lower	Upper
93	100		
63	90.3	71.6	107.4
95	35.0	24.0	36.0

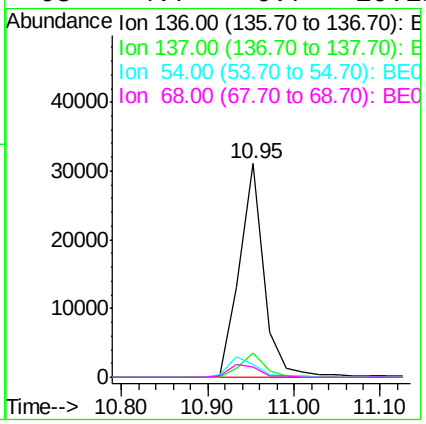




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.95 min Scan# 708
Delta R.T. 0.00 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:136 Resp: 61646

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.2	12.4
54	6.0	9.6	14.4#
68	4.7	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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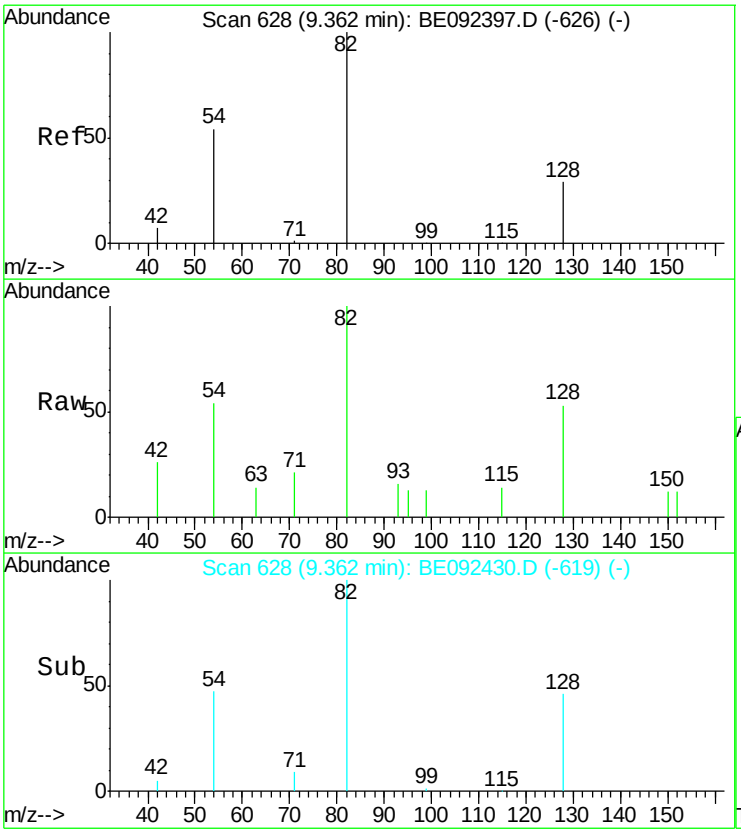
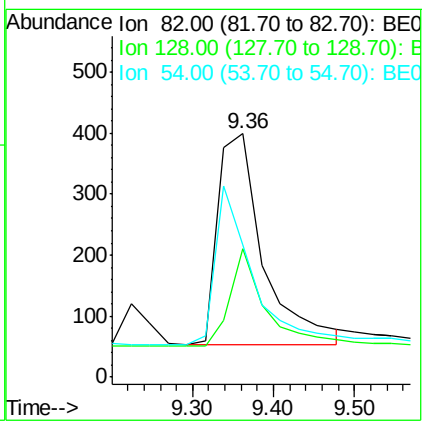
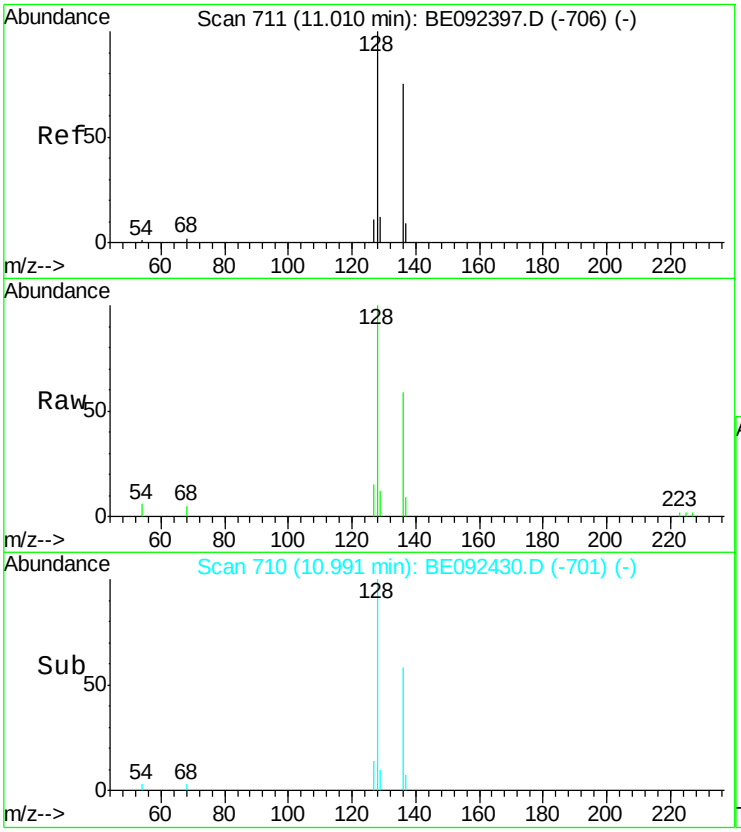


#8
Nitrobenzene-d5
Concen: 0.44 ng
RT: 9.36 min Scan# 628
Delta R.T. -0.00 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion: 82 Resp: 1350

Ion	Ratio	Lower	Upper
82	100		
128	52.9	39.0	58.4
54	54.1	44.8	67.2

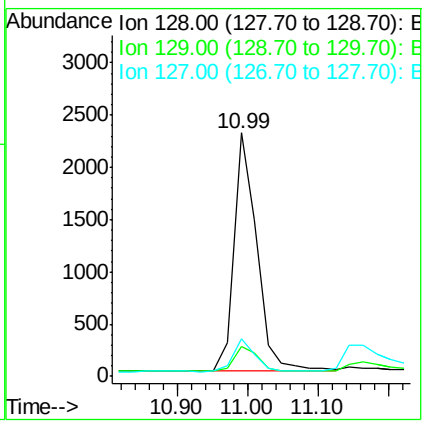




#9
Naphthalene
Concen: 0.38 ng
RT: 10.99 min Scan# 710
Delta R.T. -0.02 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:128 Resp: 5135

Ion	Ratio	Lower	Upper
128	100		
129	12.2	11.2	16.8
127	15.3	11.6	17.4



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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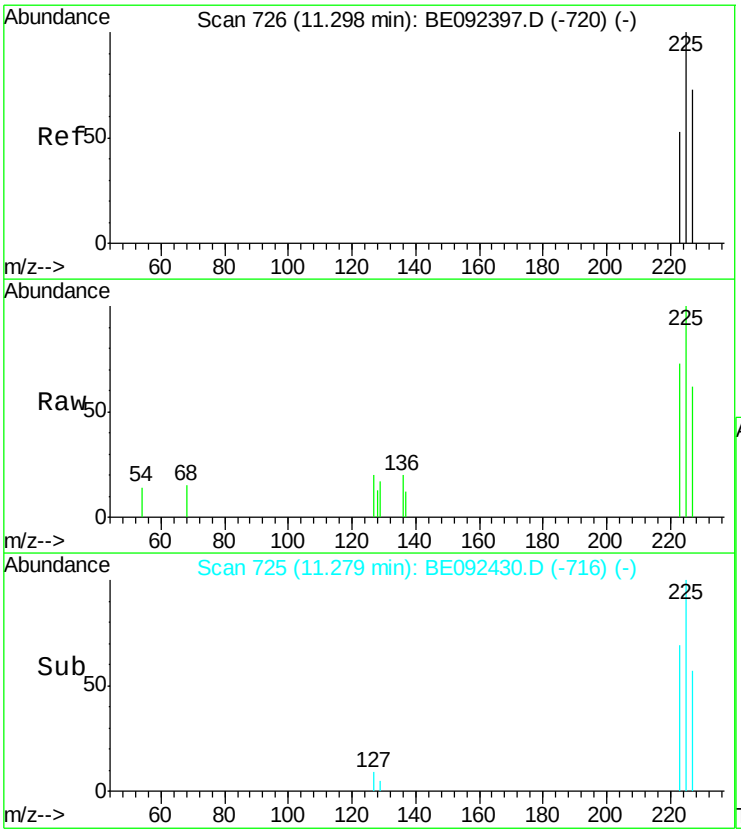
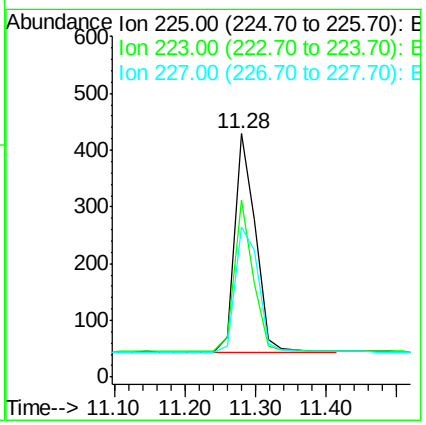
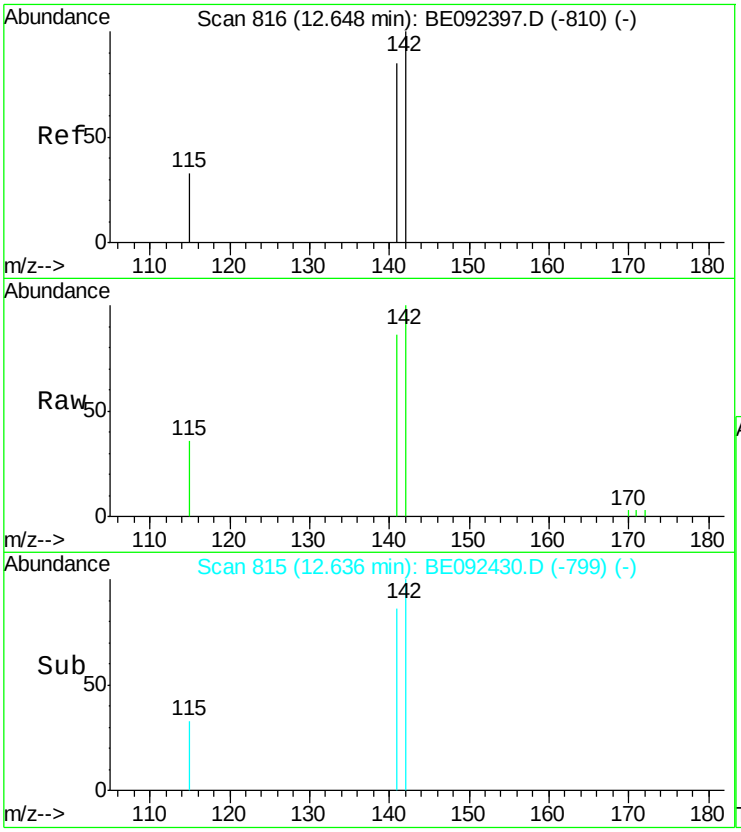


#10
Hexachlorobutadiene
Concen: 0.37 ng
RT: 11.28 min Scan# 725
Delta R.T. -0.02 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:225 Resp: 787

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.6	76.0
227	63.8	51.4	77.0

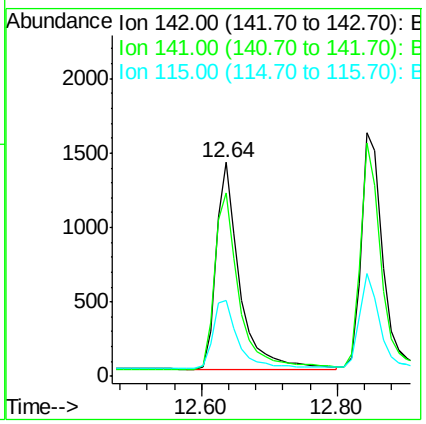




#11
2-Methylnaphthalene
Concen: 0.38 ng
RT: 12.64 min Scan# 815
Delta R.T. -0.01 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:142 Resp: 3358

Ion	Ratio	Lower	Upper
142	100		
141	85.9	73.7	110.5
115	35.6	34.0	51.0



Instrument :
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ClientSampleId :
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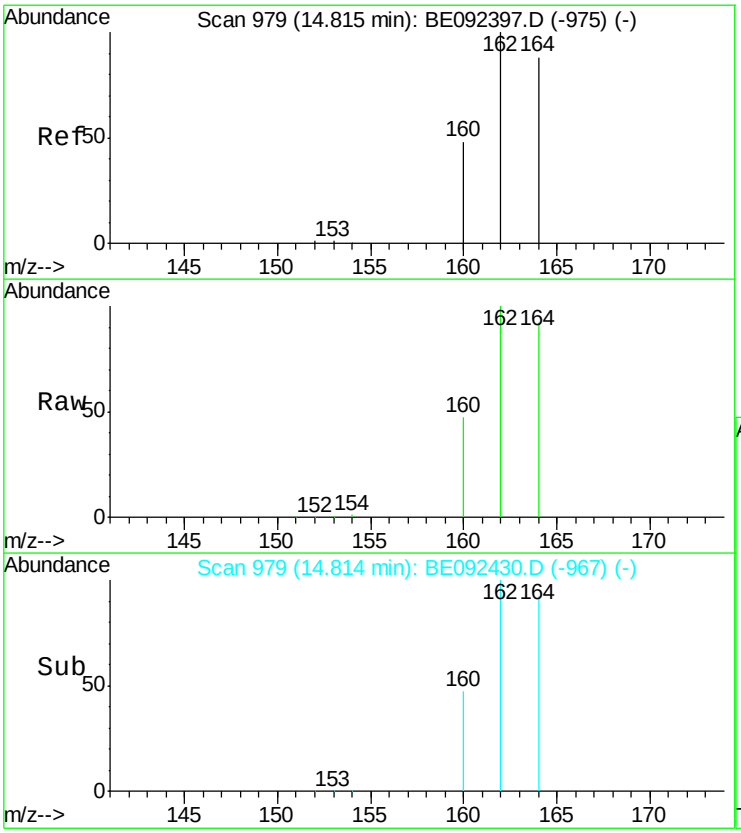
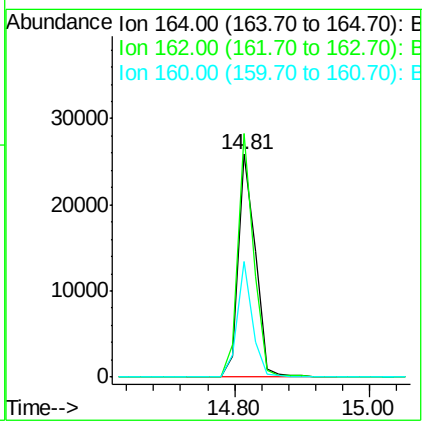
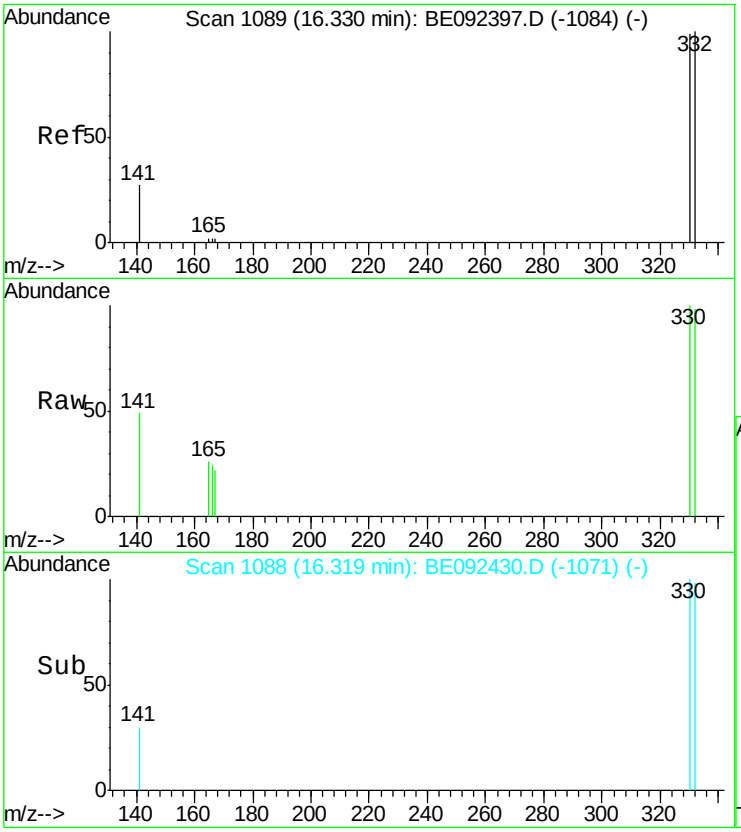


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.81 min Scan# 979
Delta R.T. -0.00 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:164 Resp: 45393

Ion	Ratio	Lower	Upper
164	100		
162	109.2	71.4	107.0#
160	51.7	27.4	41.2#





#13
2,4,6-Tribromophenol
Concen: 0.41 ng
RT: 16.32 min Scan# 1088
Delta R.T. 0.00 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:330 Resp: 411

Ion	Ratio	Lower	Upper
330	100		
332	97.6	75.4	113.0
141	45.0	31.0	46.6

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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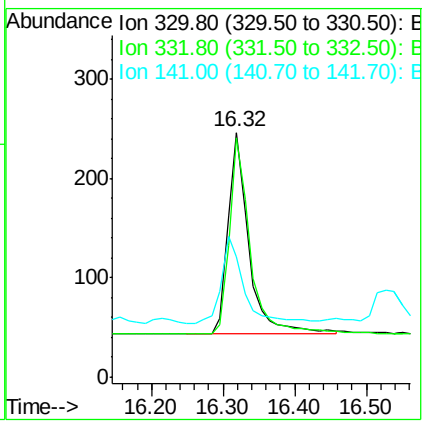
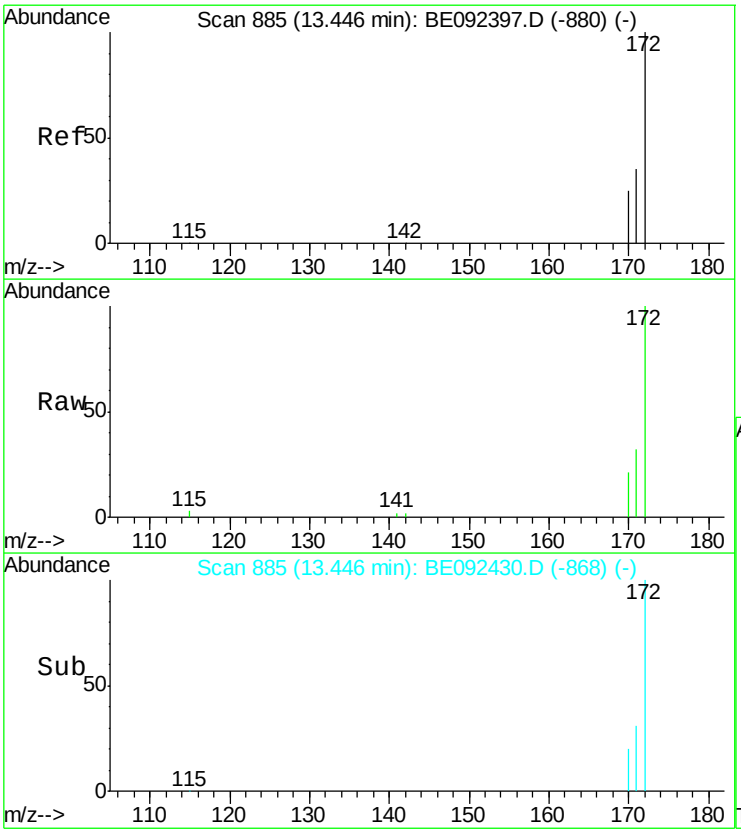
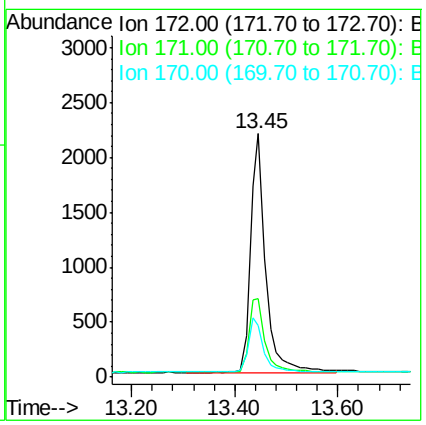


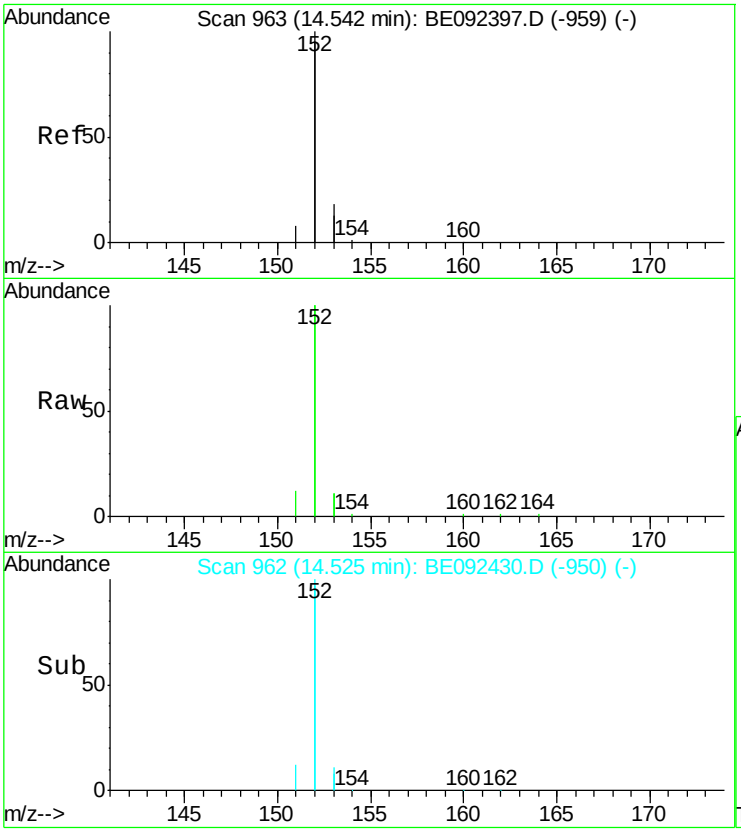


#14
2-Fluorobiphenyl
Concen: 0.41 ng
RT: 13.45 min Scan# 885
Delta R.T. 0.00 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:172 Resp: 4356

Ion	Ratio	Lower	Upper
172	100		
171	32.2	30.1	45.1
170	21.2	21.8	32.6#

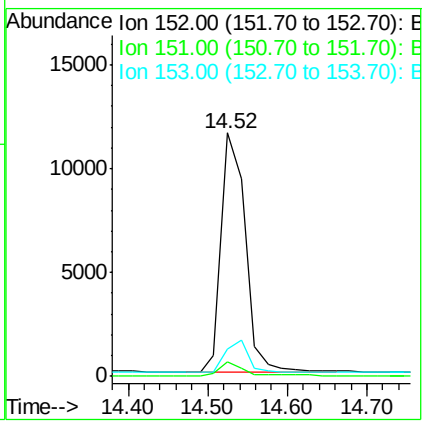




#15
Acenaphthylene
Concen: 0.37 ng
RT: 14.52 min Scan# 962
Delta R.T. -0.00 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:152 Resp: 24275

Ion	Ratio	Lower	Upper
152	100		
151	5.0	3.9	5.9
153	12.9	10.4	15.6



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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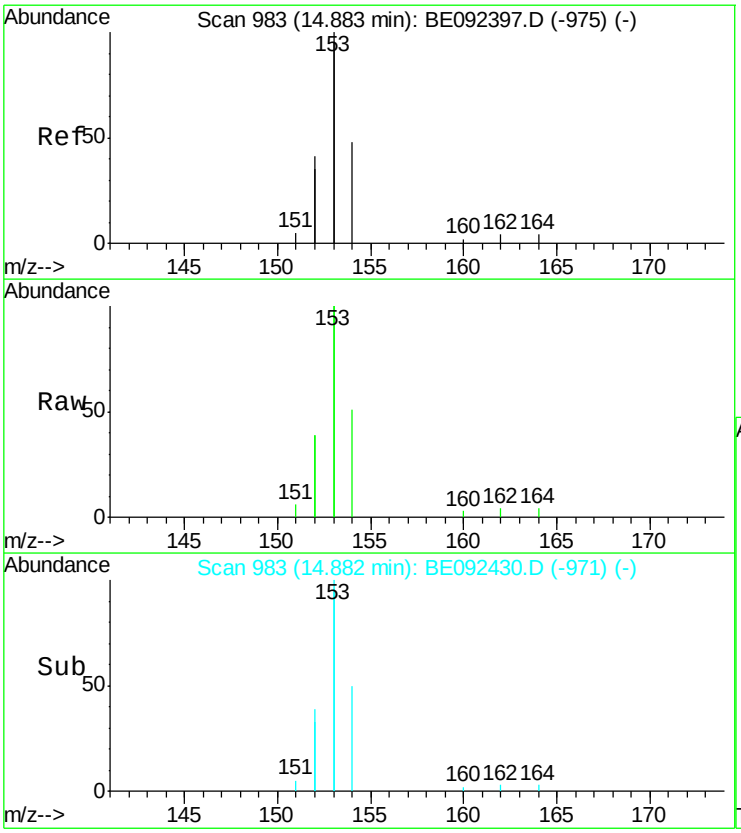
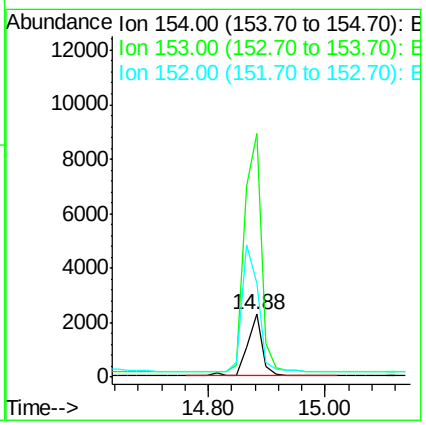
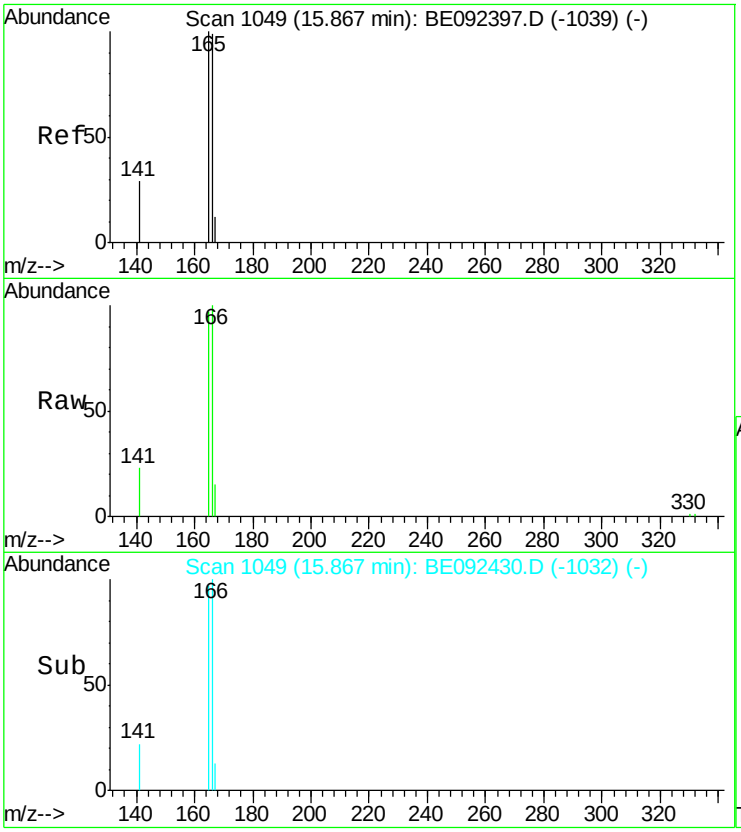


#16
Acenaphthene
Concen: 0.39 ng
RT: 14.88 min Scan# 983
Delta R.T. -0.00 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:154 Resp: 4005

Ion	Ratio	Lower	Upper
154	100		
153	440.2	350.8	526.2
152	223.3	171.1	256.7





#17
Fluorene
Concen: 0.37 ng
RT: 15.87 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:166 Resp: 4868

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.2	117.4
167	13.7	11.0	16.4

Instrument :
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ClientSampleId :
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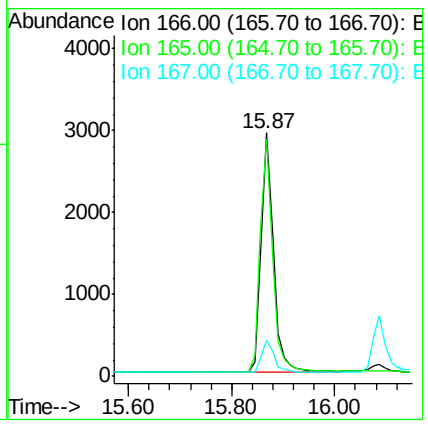
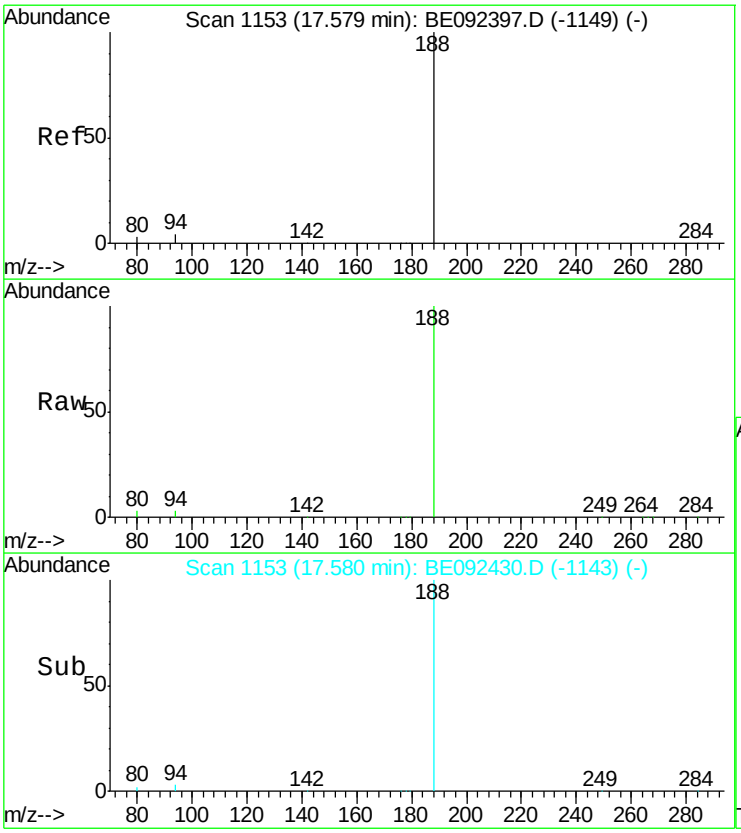
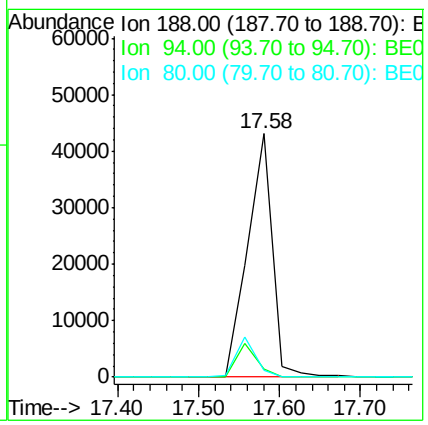


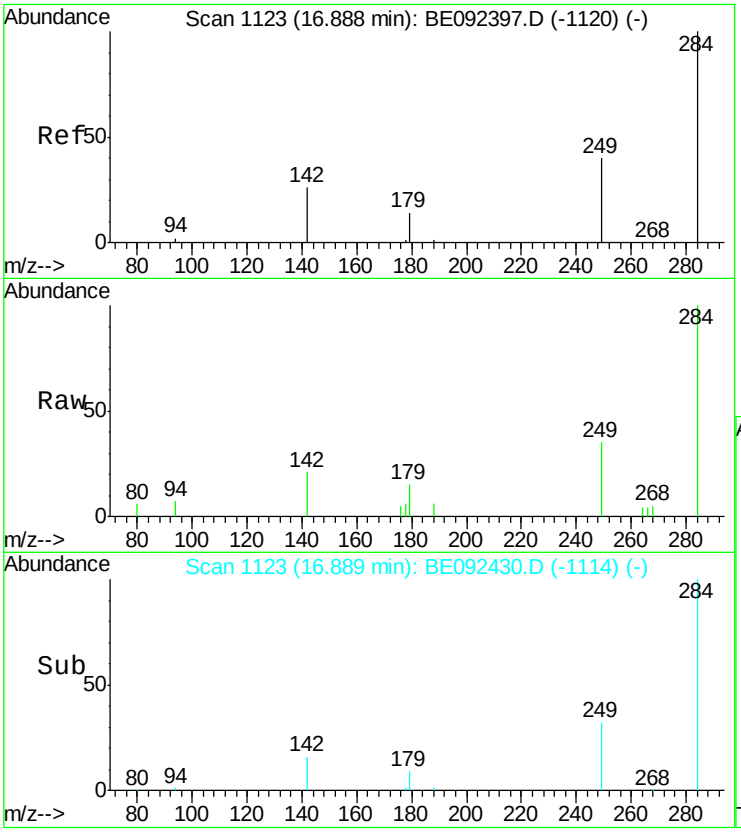


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 1153
Delta R.T. 0.02 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:188 Resp: 91010

Ion	Ratio	Lower	Upper
188	100		
94	3.3	3.2	4.8
80	2.6	2.6	3.8

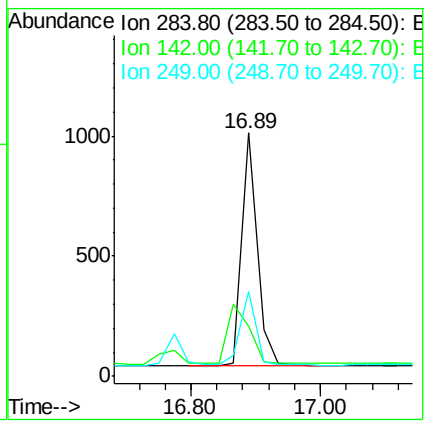




#19
Hexachlorobenzene
Concen: 0.41 ng
RT: 16.89 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:284 Resp: 1594

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	31.4	27.9	41.9



Instrument :
BNA_E
ClientSampleId :
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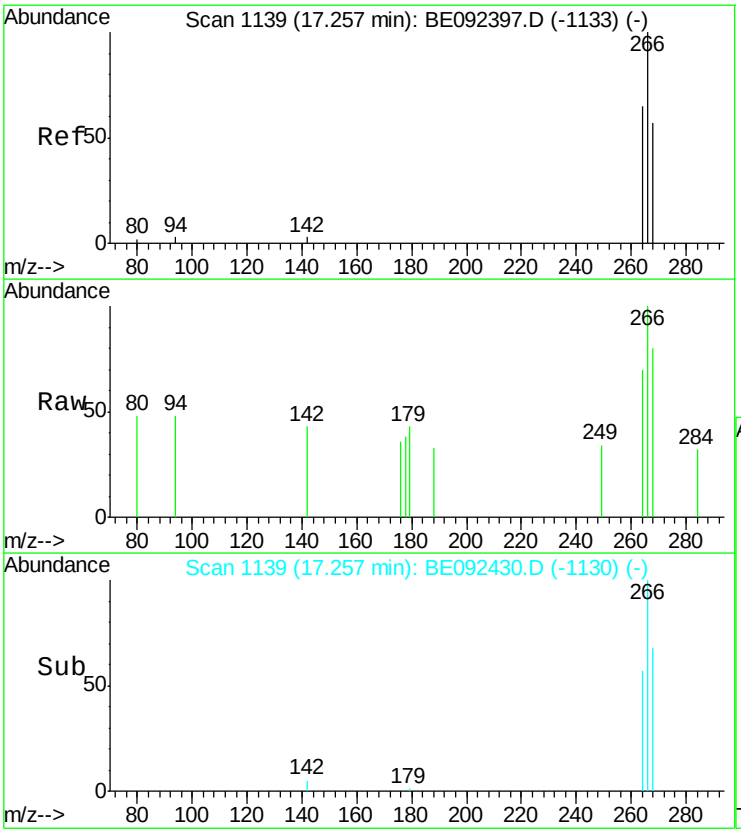
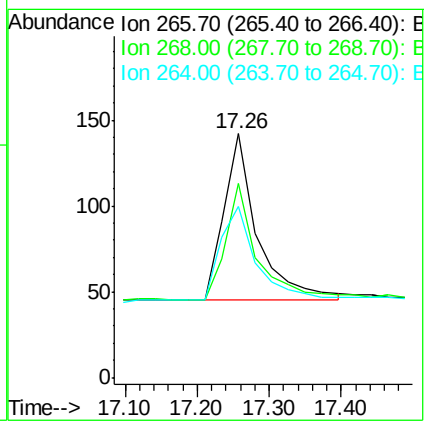
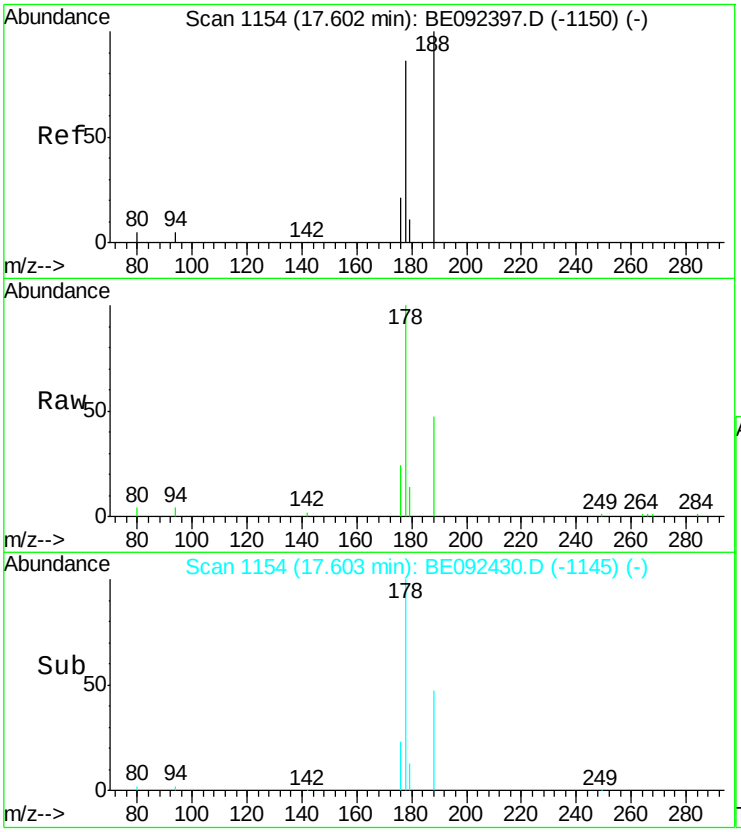


#20
Pentachlorophenol
Concen: 0.39 ng
RT: 17.26 min Scan# 1139
Delta R.T. 0.00 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:266 Resp: 315

Ion	Ratio	Lower	Upper
266	100		
268	79.6	62.5	93.7
264	70.4	57.2	85.8

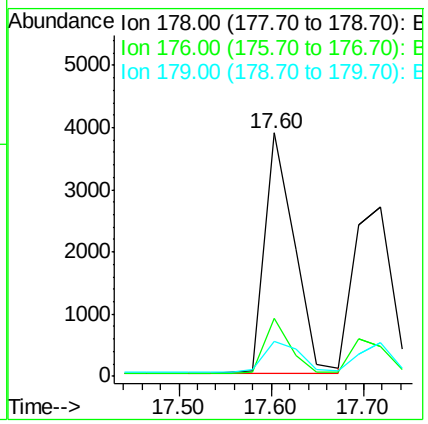




#21
Phenanthrene
Concen: 0.40 ng
RT: 17.60 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:178 Resp: 8457

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	16.8	16.0	24.0



Instrument :
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ClientSampleId :
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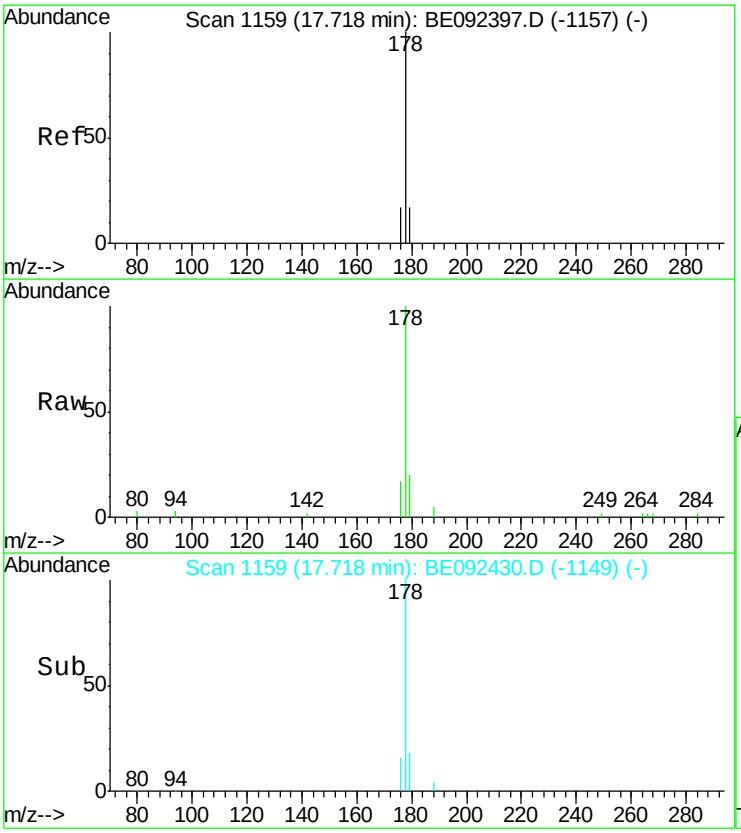
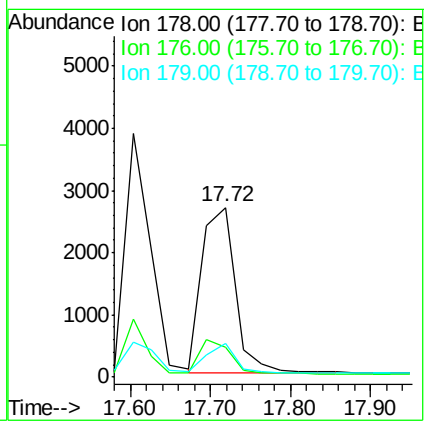
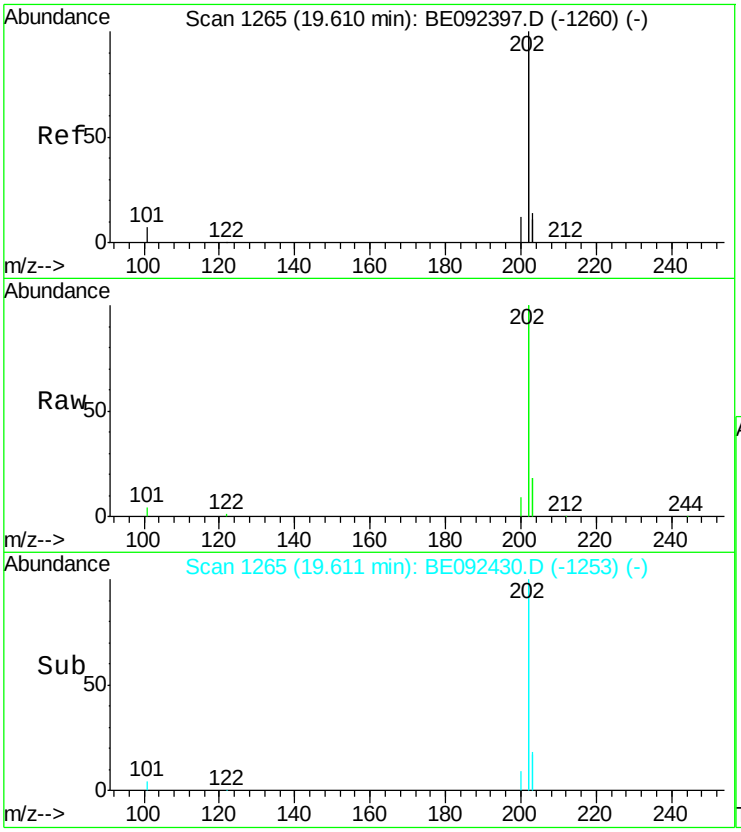


#22
Anthracene
Concen: 0.39 ng m
RT: 17.72 min Scan# 1159
Delta R.T. 0.02 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:178 Resp: 7854

Ion	Ratio	Lower	Upper
178	100		
176	21.6	15.0	22.4
179	16.9	12.2	18.2

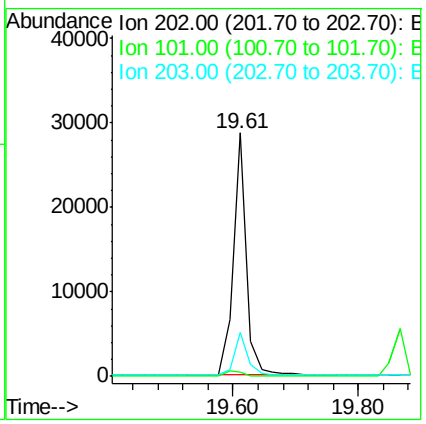




#23
Fluoranthene
Concen: 0.42 ng
RT: 19.61 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:202 Resp: 41441

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



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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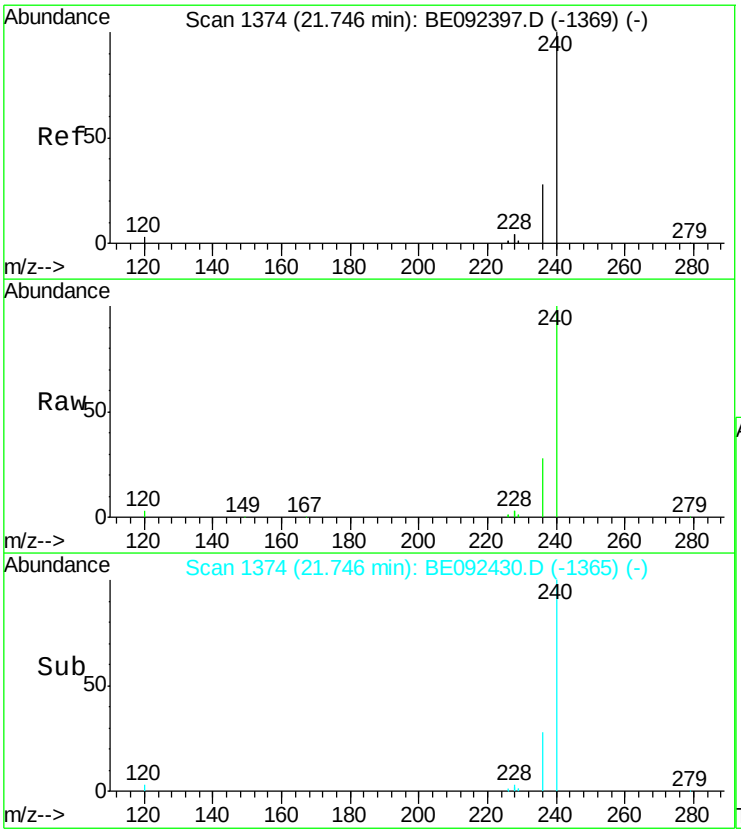
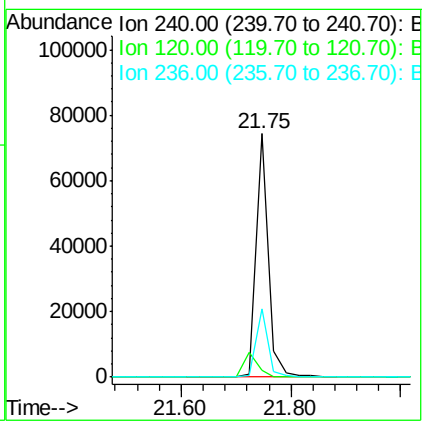
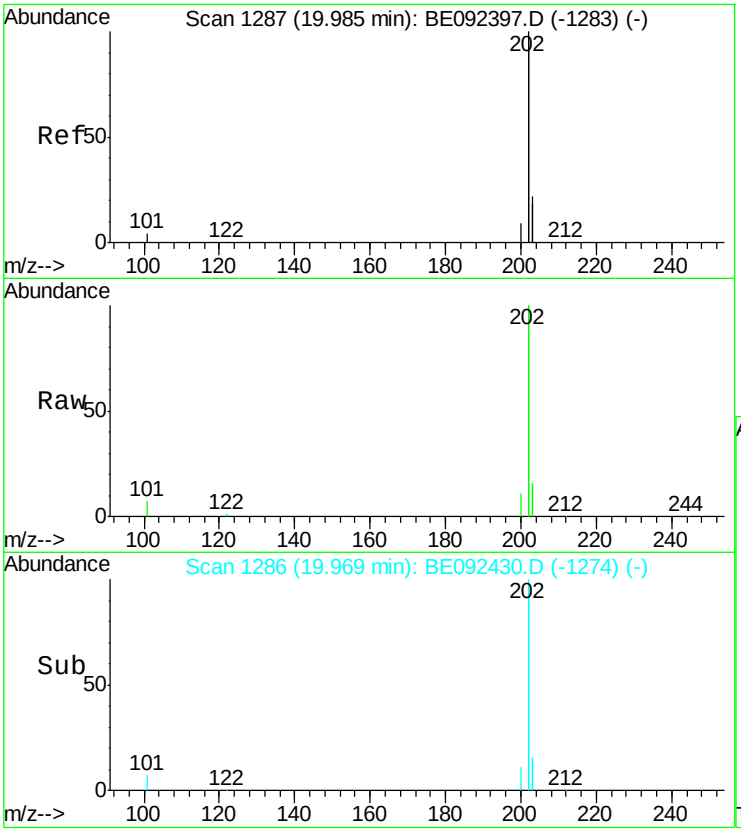


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:240 Resp: 116494

Ion	Ratio	Lower	Upper
240	100		
120	2.8	2.6	4.0
236	28.1	24.6	37.0

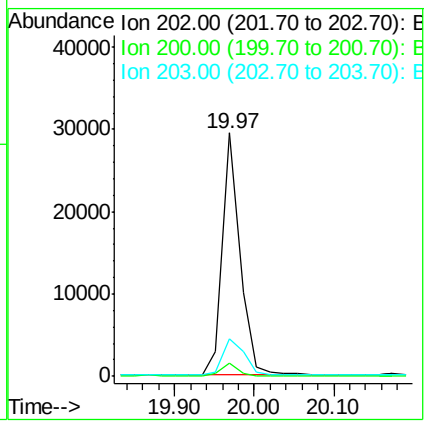




#25
Pyrene
Concen: 0.44 ng
RT: 19.97 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:202 Resp: 44827

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	17.8	13.9	20.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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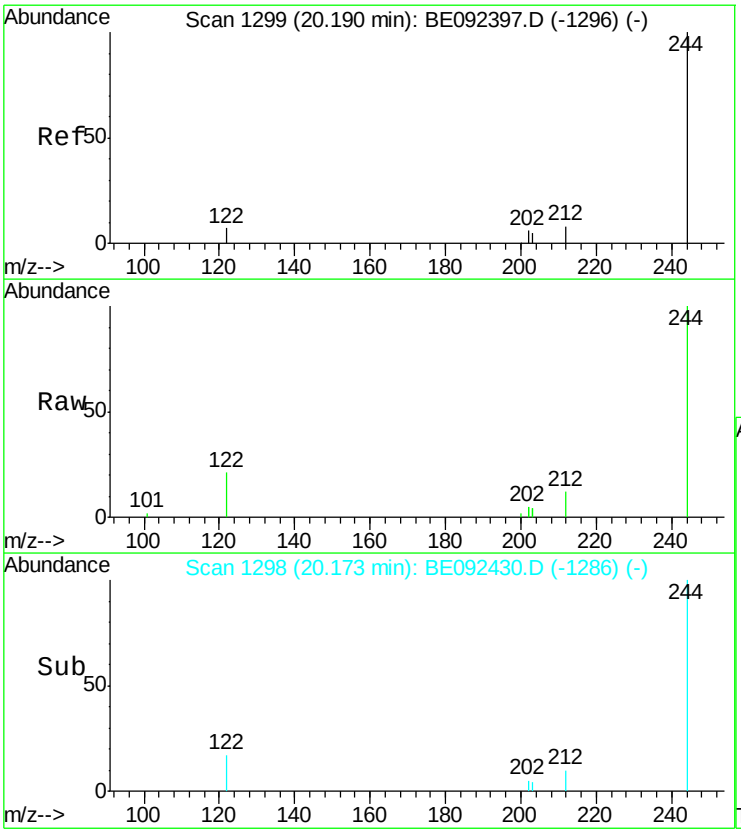
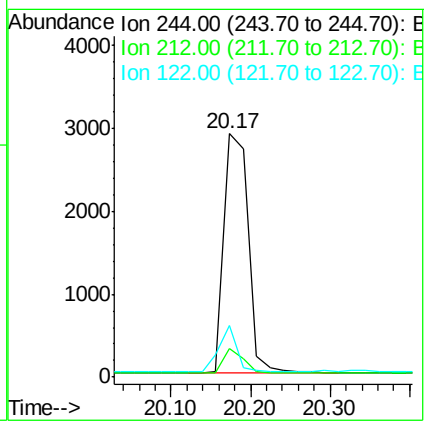
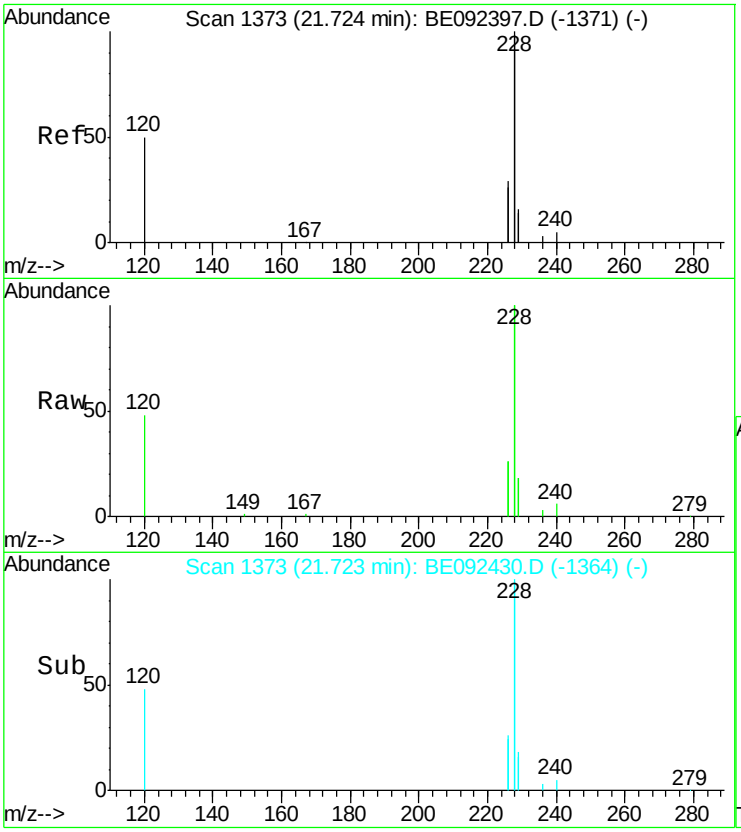


#26
Terphenyl-d14
Concen: 0.42 ng
RT: 20.17 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:244 Resp: 6134

Ion	Ratio	Lower	Upper
244	100		
212	11.5	6.7	10.1#
122	21.0	3.6	5.4#

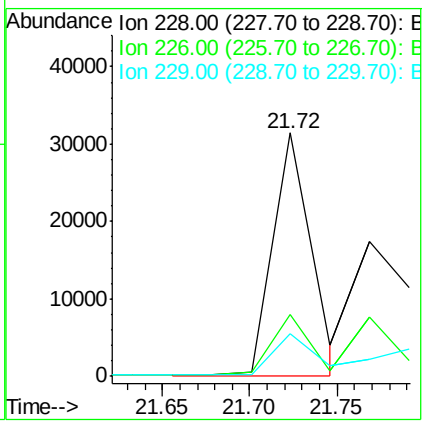




#27
Benzo(a)anthracene
Concen: 0.43 ng m
RT: 21.72 min Scan# 1373
Delta R.T. -0.00 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:228 Resp: 48819

Ion	Ratio	Lower	Upper
228	100		
226	25.6	23.6	35.4
229	17.7	13.3	19.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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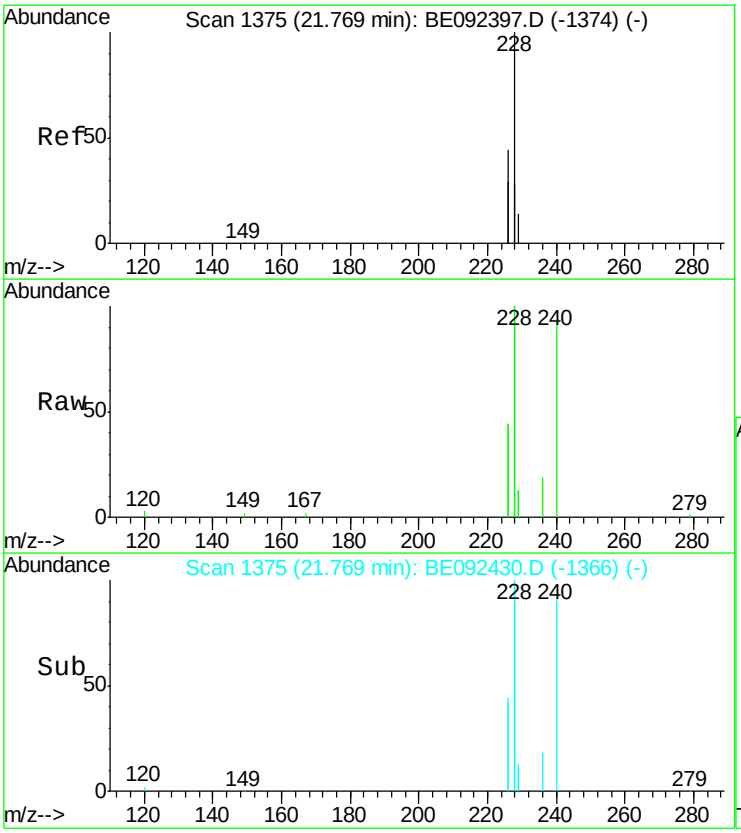
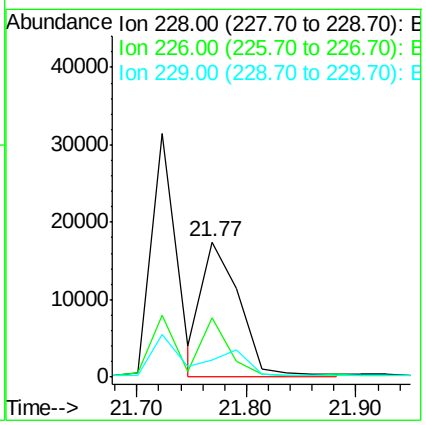
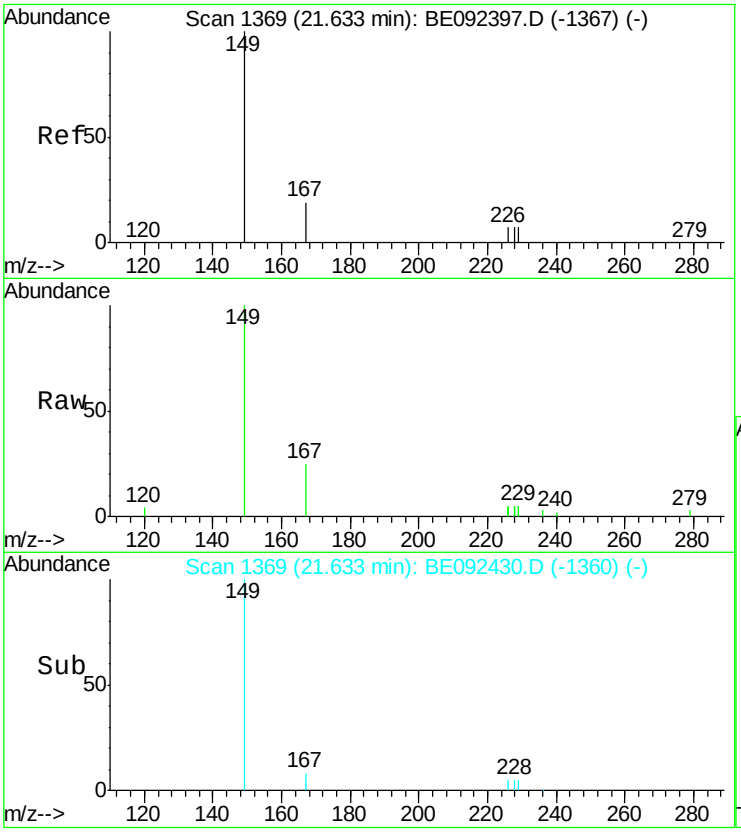


#28
Chrysene
Concen: 0.40 ng m
RT: 21.77 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:228 Resp: 41787

Ion	Ratio	Lower	Upper
228	100		
226	44.0	36.3	54.5
229	12.9	10.6	16.0





#29
Bis(2-ethylhexyl)phthalate
Concen: 0.41 ng
RT: 21.63 min Scan# 1369
Delta R.T. -0.00 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Instrument :
BNA_E
ClientSampleId :
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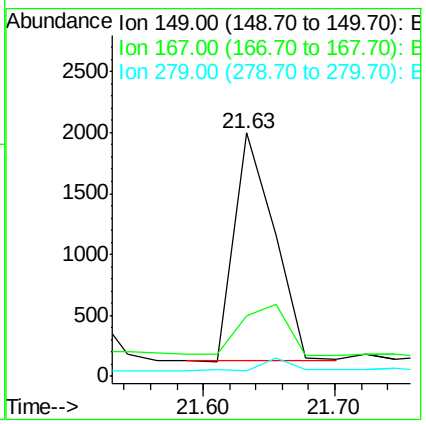
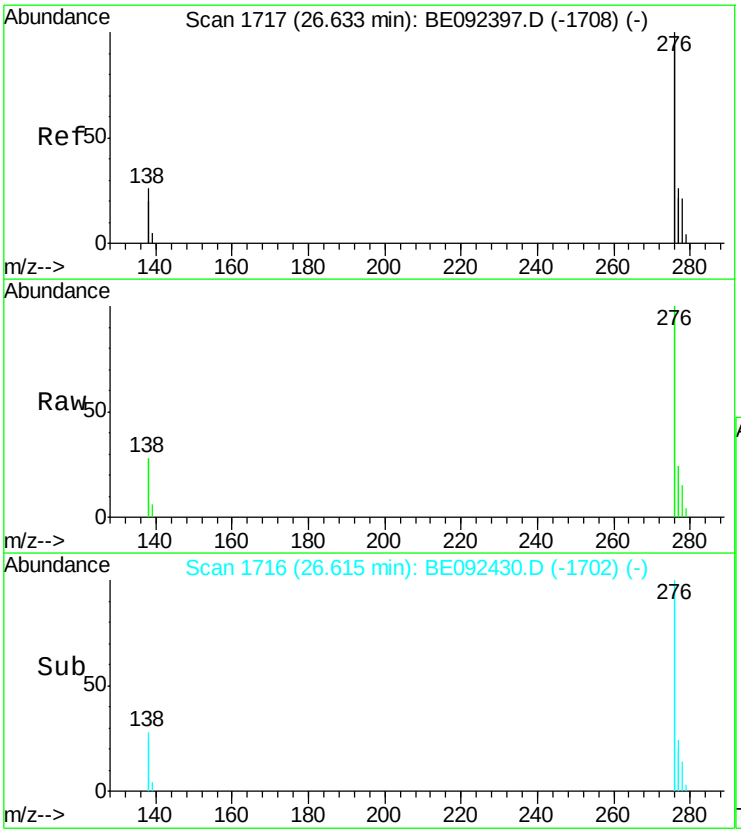
Tgt Ion:149 Resp: 3993

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

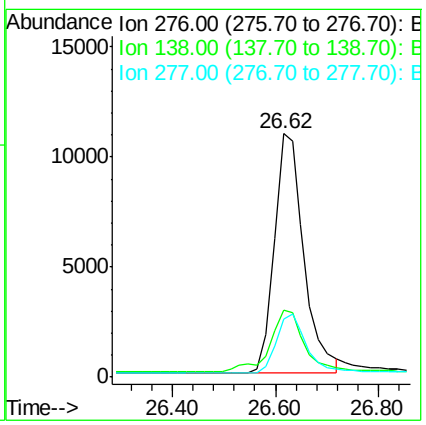


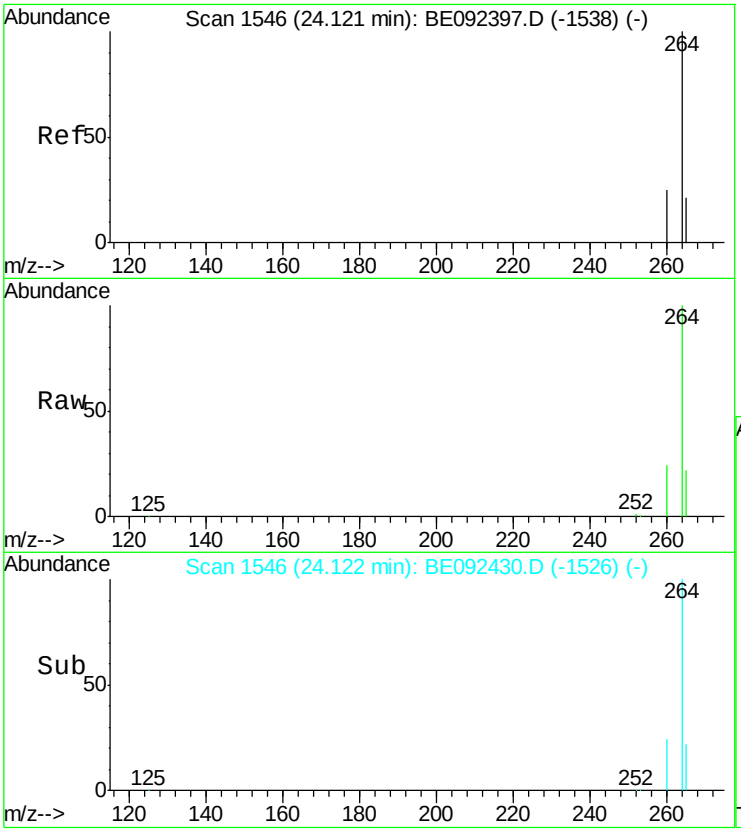


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.39 ng
RT: 26.62 min Scan# 1716
Delta R.T. 0.03 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:276 Resp: 43231

Ion	Ratio	Lower	Upper
276	100		
138	29.8	20.3	30.5
277	24.4	19.7	29.5

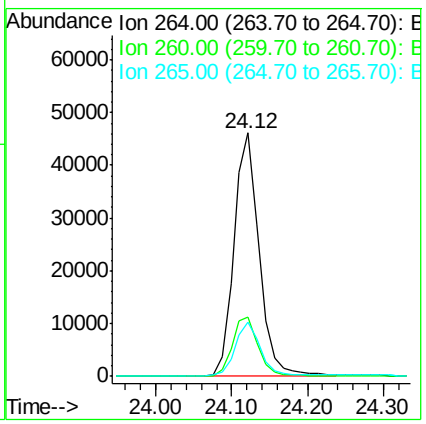




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.12 min Scan# 1546
Delta R.T. 0.04 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:264 Resp: 106791

Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.1	30.1
265	22.2	17.9	26.9



Instrument :
BNA_E
ClientSampleId :
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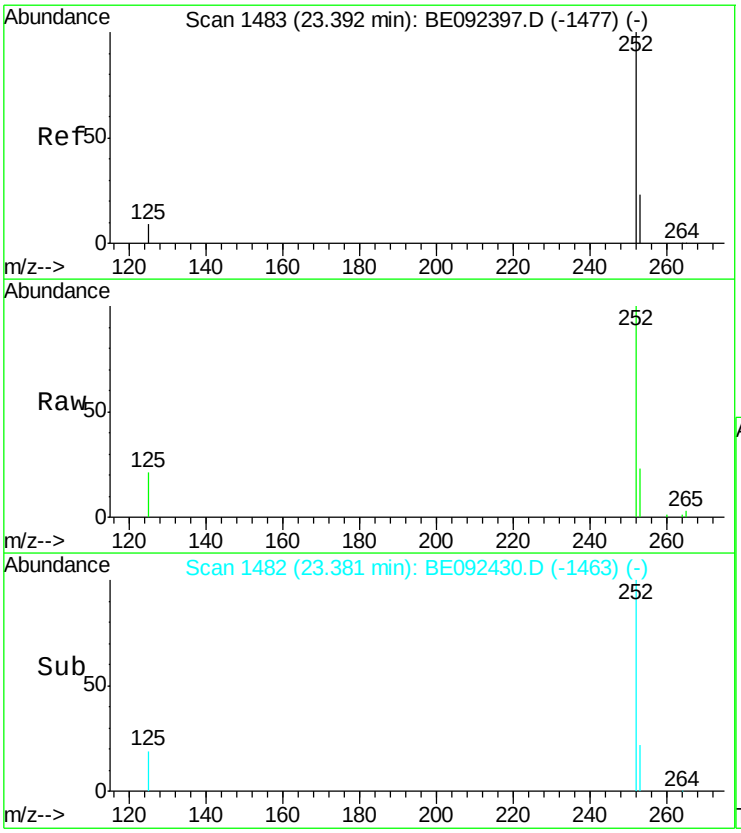
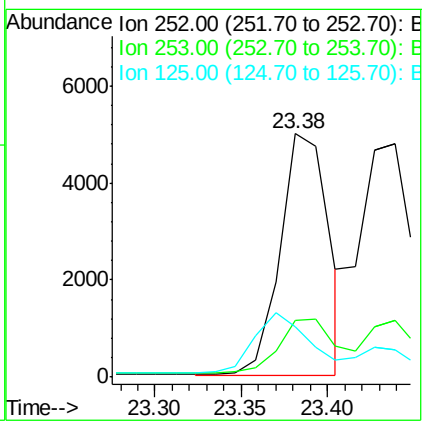
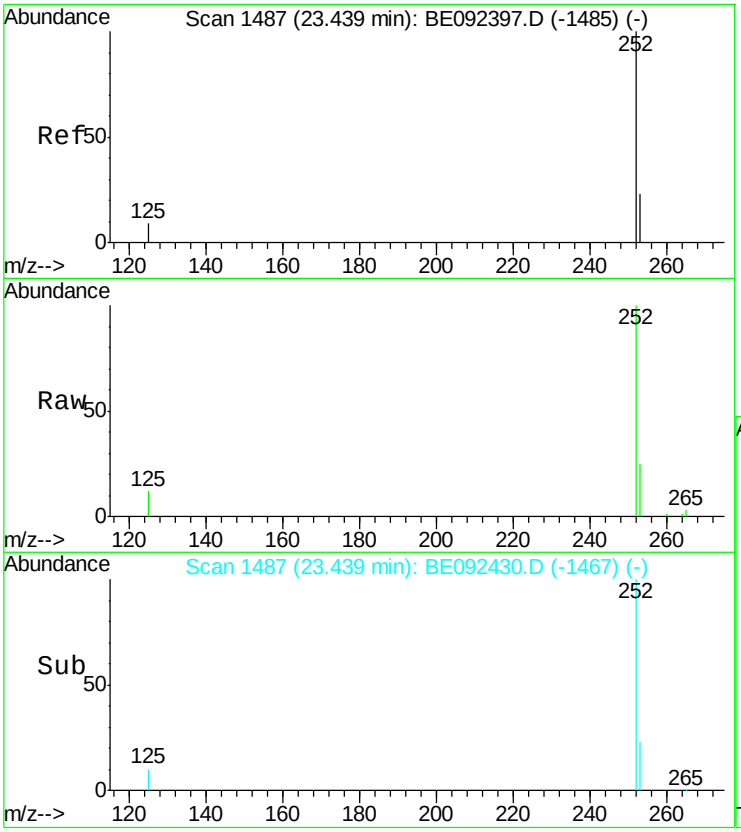


#32
Benzo(b)fluoranthene
Concen: 0.38 ng m
RT: 23.38 min Scan# 1482
Delta R.T. 0.02 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:252 Resp: 9823

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.7	28.1
125	20.7	10.5	15.7#





#33
Benzo(k)fluoranthene
Concen: 0.40 ng
RT: 23.44 min Scan# 1487
Delta R.T. 0.04 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:252 Resp: 10763

Ion	Ratio	Lower	Upper
252	100		
253	24.5	20.3	30.5
125	11.7	9.6	14.4

Instrument :
BNA_E
ClientSampleId :
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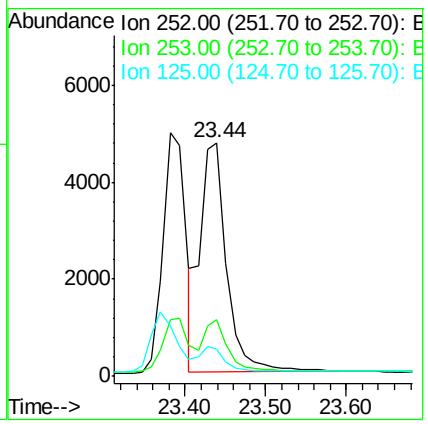
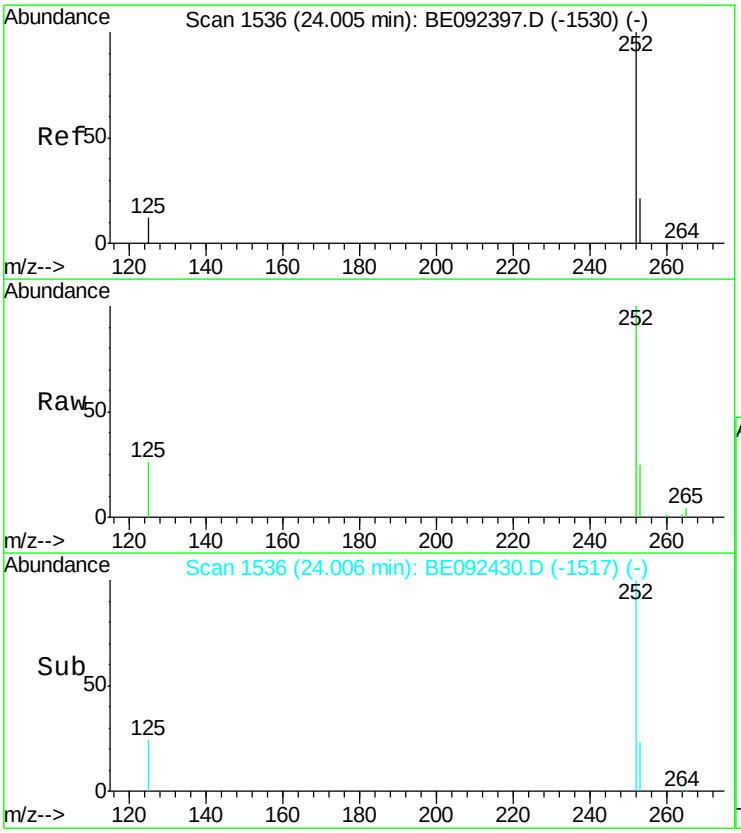
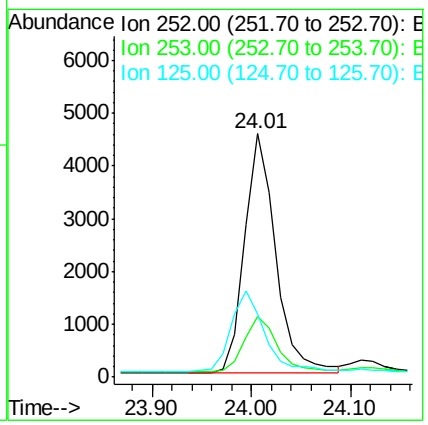


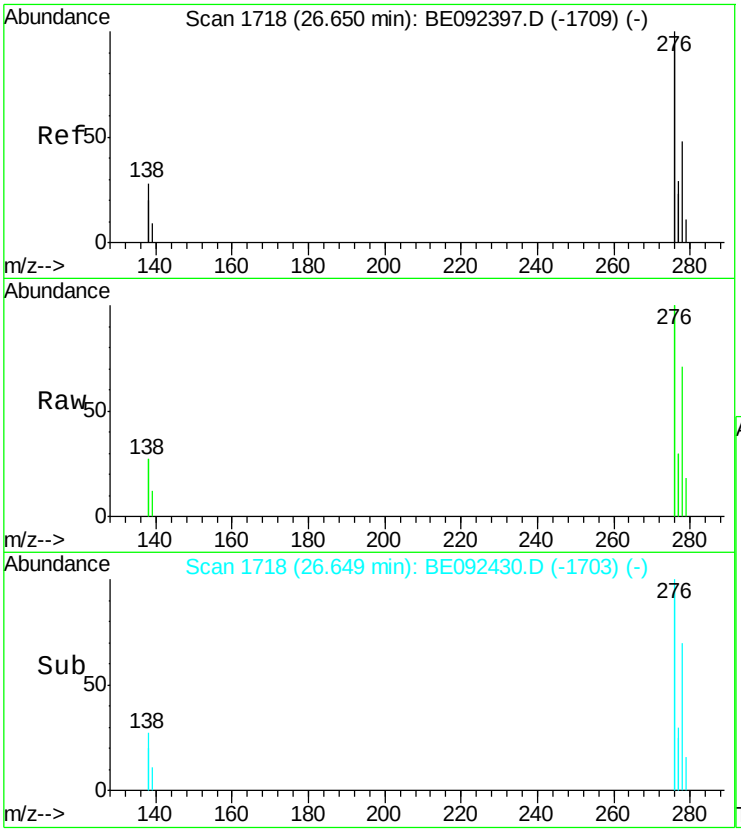


#34
Benzo(a)pyrene
Concen: 0.39 ng
RT: 24.01 min Scan# 1536
Delta R.T. 0.02 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:252 Resp: 9893

Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.0	28.6
125	25.9	11.8	17.8#

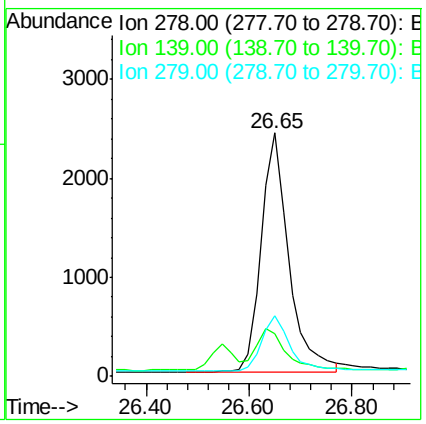




#35
Dibenzo(a,h)anthracene
Concen: 0.38 ng
RT: 26.65 min Scan# 1718
Delta R.T. 0.05 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:278 Resp: 8882

Ion	Ratio	Lower	Upper
278	100		
139	17.5	13.8	20.8
279	25.1	21.4	32.2



Instrument :
BNA_E
ClientSampleId :
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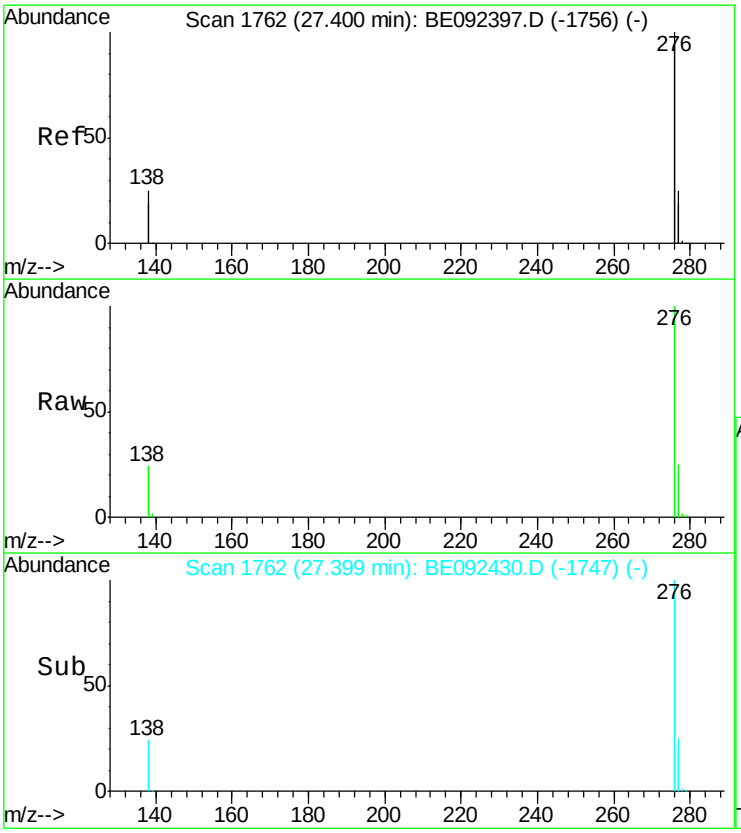

#36
Benzo(g,h,i)perylene
Concen: 0.37 ng
RT: 27.40 min Scan# 1762
Delta R.T. 0.05 min
Lab File: BE092430.D
Acq: 26 Sep 2016 17:48

Tgt Ion:276 Resp: 37150

Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.8	29.8
138	23.8	19.8	29.6