Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101716\
Data File : BE092461.D
Acq On : 17 Oct 2016 20:20
Operator : UM/SJ
Sample : PB93716BSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB93716BSD

Manual Integrations APPROVED
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10/18/2016 10:59:16 AM

Quant Time: Oct 18 01:04:14 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	14720	5.00	ng		-0.02
7) Naphthalene-d8	10.95	136	65118	5.00	ng		0.00
12) Acenaphthene-d10	14.82	164	40862	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	71056	5.00	ng		0.00
24) Chrysene-d12	21.75	240	113135	5.00	ng		0.00
31) Perylene-d12	24.11	264	99466	5.00	ng		0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.67	112	23238	6.71	ng		-0.02
5) Phenol-d6	7.33	99	30057	6.08	ng		-0.02
8) Nitrobenzene-d5	9.34	82	14228	3.10	ng		-0.02
13) 2,4,6-Tribromophenol	16.31	330	7919	5.52	ng		-0.01
14) 2-Fluorobiphenyl	13.43	172	34035	3.52	ng		-0.01
26) Terphenyl-d14	20.17	244	42982	3.06	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.41	88	4667	2.92	ng	#	82
3) n-Nitrosodimethylamine	3.76	42	7816	3.41	ng	#	95
6) bis(2-Chloroethyl)ether	7.59	93	12162	3.16	ng	#	26
9) Naphthalene	10.99	128	43764	3.11	ng	#	95
10) Hexachlorobutadiene	11.28	225	6586	2.97	ng		99
11) 2-Methylnaphthalene	12.62	142	29444	3.16	ng	#	86
15) Acenaphthylene	14.53	152	191320	3.23	ng		100
16) Acenaphthene	14.87	154	29289	3.16	ng		94
17) Fluorene	15.86	166	38175	3.25	ng		100
19) Hexachlorobenzene	16.89	284	10865m	3.57	ng		
20) Pentachlorophenol	17.23	266	9786	8.78	ng		86
21) Phenanthrene	17.60	178	65465	4.01	ng	#	94
22) Anthracene	17.69	178	63755	4.06	ng		99
23) Fluoranthene	19.61	202	273332	3.52	ng		99
25) Pyrene	19.97	202	301891	3.08	ng		99
27) Benzo(a)anthracene	21.72	228	370995m	3.37	ng		
28) Chrysene	21.77	228	335639m	3.32	ng		
29) Bis(2-ethylhexyl)phthalate	21.63	149	33484	3.53	ng	#	75
30) Indeno(1,2,3-cd)pyrene	26.60	276	387062	3.61	ng		98
32) Benzo(b)fluoranthene	23.38	252	88366	3.67	ng	#	96
33) Benzo(k)fluoranthene	23.43	252	80832	3.21	ng		94
34) Benzo(a)pyrene	24.01	252	82642	3.50	ng	#	95
35) Dibenzo(a,h)anthracene	26.63	278	80015	3.70	ng		95
36) Benzo(g,h,i)perylene	27.38	276	334061	3.59	ng		96

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

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Misc :
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Instrument :
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ClientSampleId :
PB93716BSD

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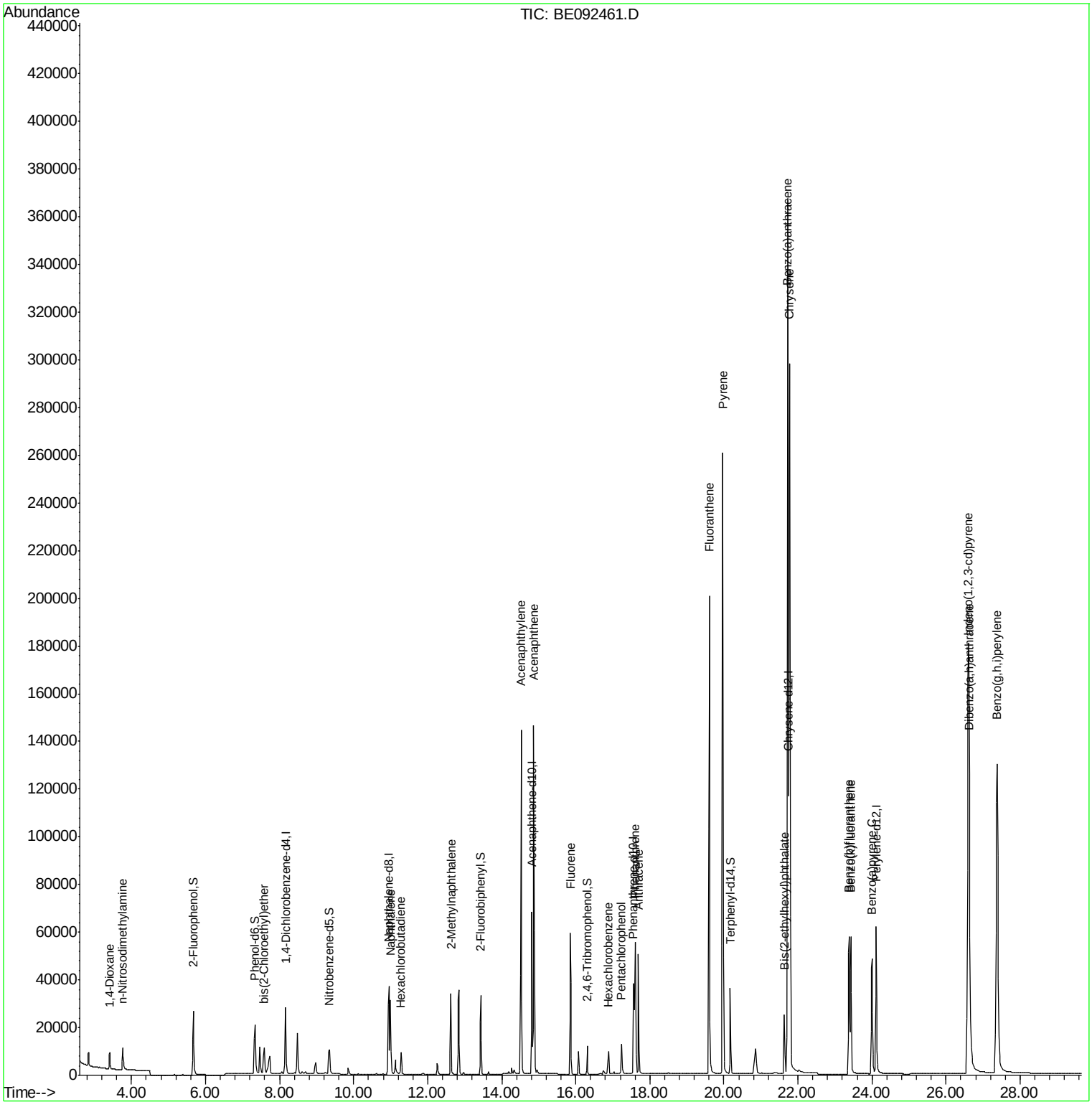
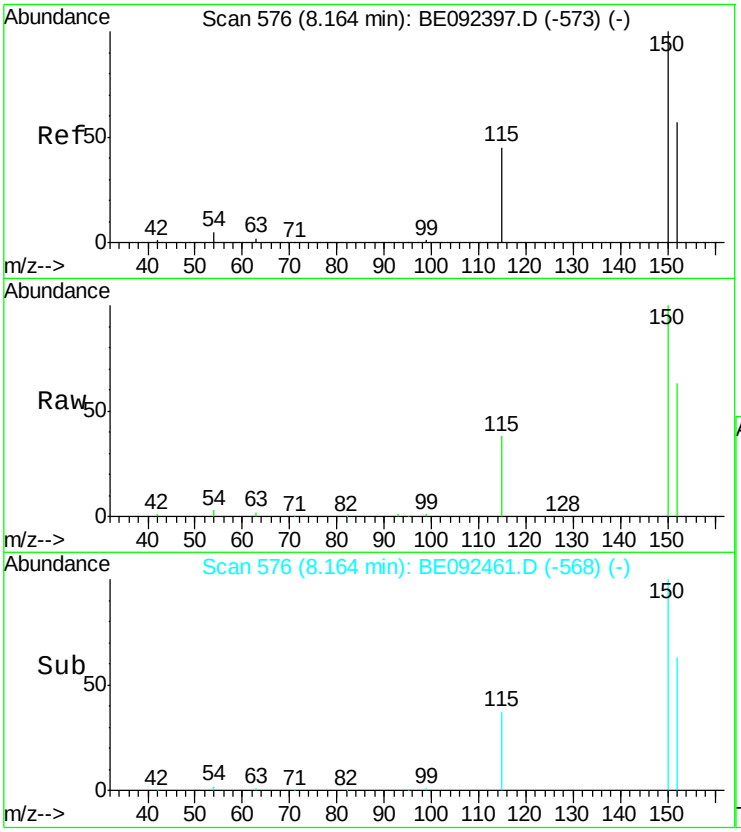
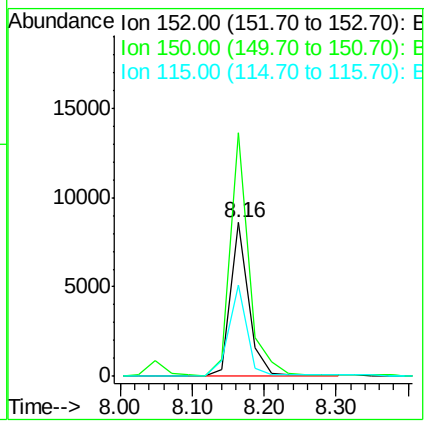




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.16 min Scan# 576
Delta R.T. -0.02 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:152 Resp: 14720

Ion	Ratio	Lower	Upper
152	100		
150	158.6	106.0	159.0
115	59.9	31.2	46.8#



Instrument :
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ClientSampleId :
PB93716BSD

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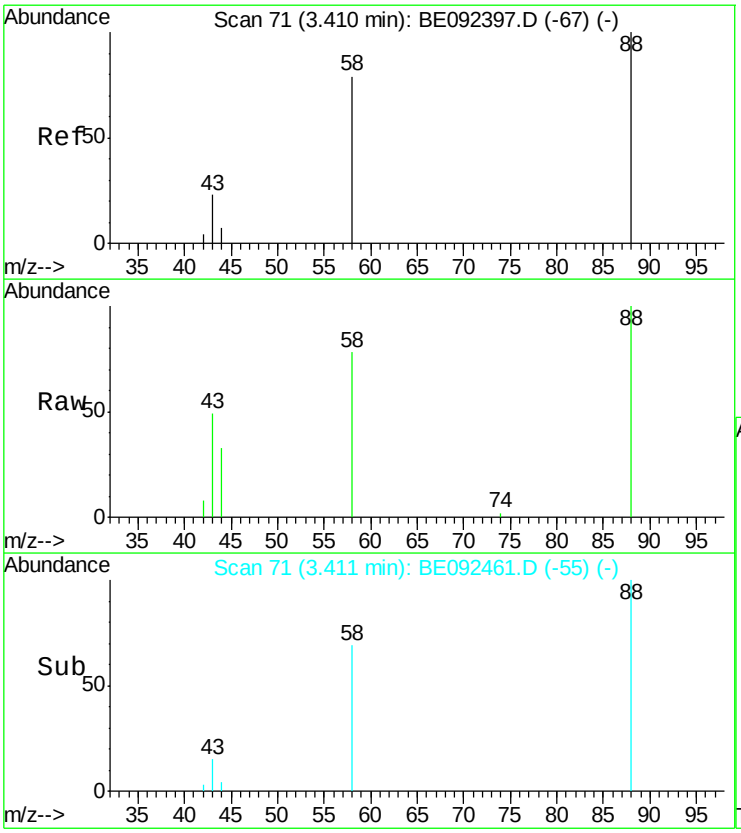
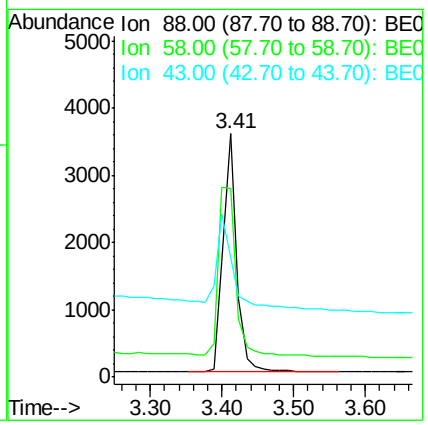
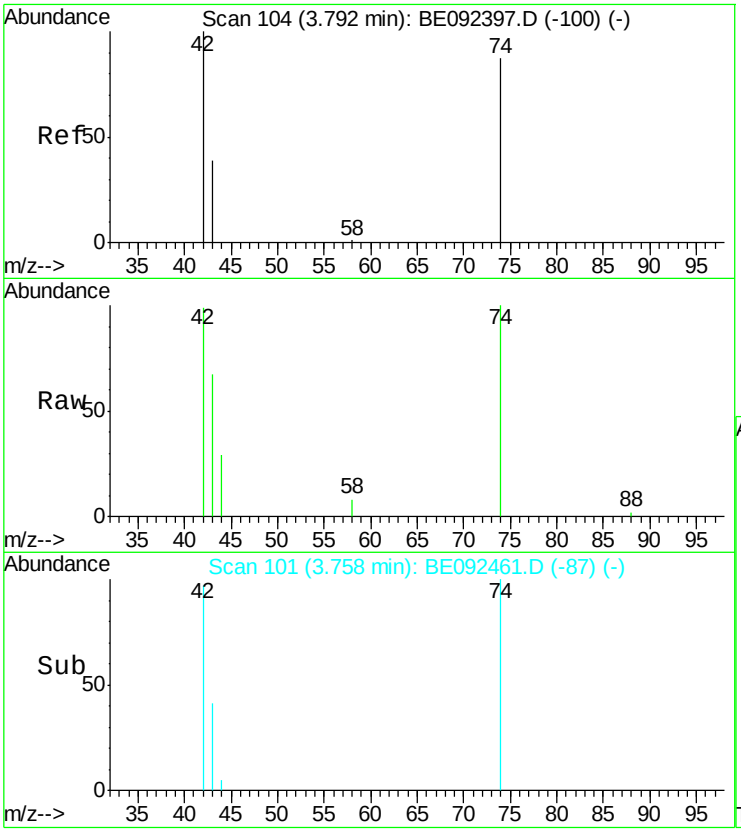


#2
1,4-Dioxane
Concen: 2.92 ng
RT: 3.41 min Scan# 71
Delta R.T. -0.01 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion: 88 Resp: 4667

Ion	Ratio	Lower	Upper
88	100		
58	91.6	63.6	95.4
43	50.5	28.0	42.0#

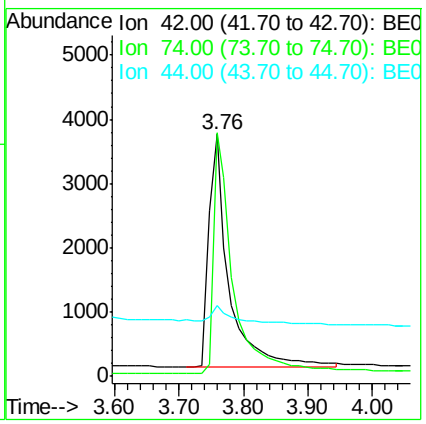




#3
n-Nitrosodimethylamine
Concen: 3.41 ng
RT: 3.76 min Scan# 101
Delta R.T. -0.04 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion: 42 Resp: 7816

Ion	Ratio	Lower	Upper
42	100		
74	102.7	86.0	129.0
44	9.6	5.1	7.7#



Instrument :
BNA_E
ClientSampleId :
PB93716BSD

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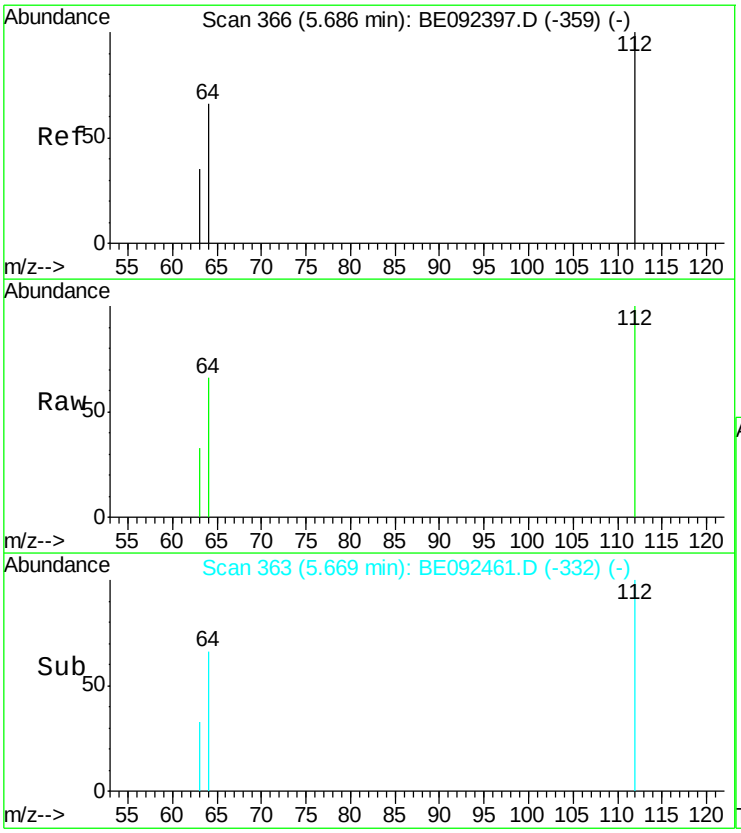
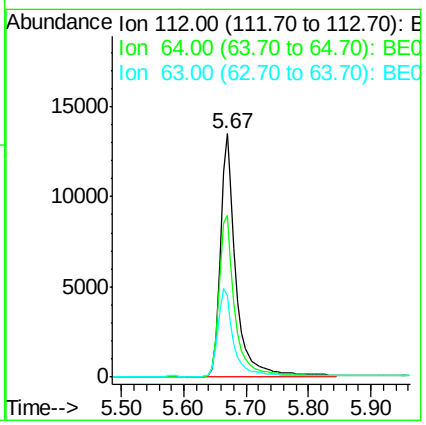
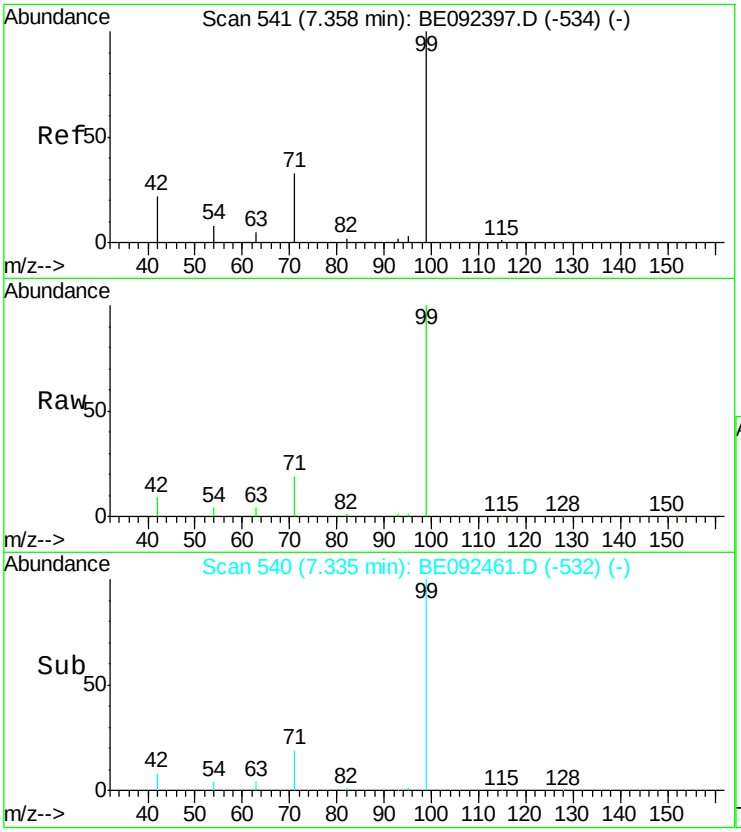


#4
2-Fluorophenol
Concen: 6.71 ng
RT: 5.67 min Scan# 363
Delta R.T. -0.02 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:112 Resp: 23238

Ion	Ratio	Lower	Upper
112	100		
64	67.9	53.5	80.3
63	36.4	27.9	41.9

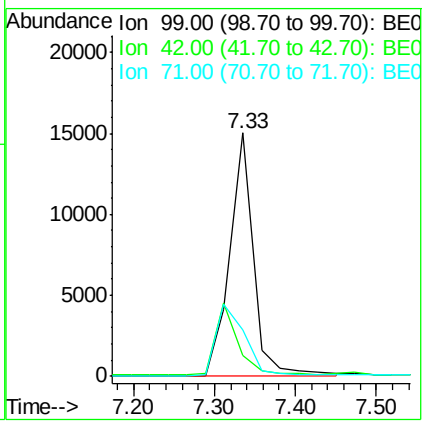




#5
Phenol-d6
Concen: 6.08 ng
RT: 7.33 min Scan# 540
Delta R.T. -0.02 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion: 99 Resp: 30057

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



Instrument :
BNA_E
ClientSampleId :
PB93716BSD

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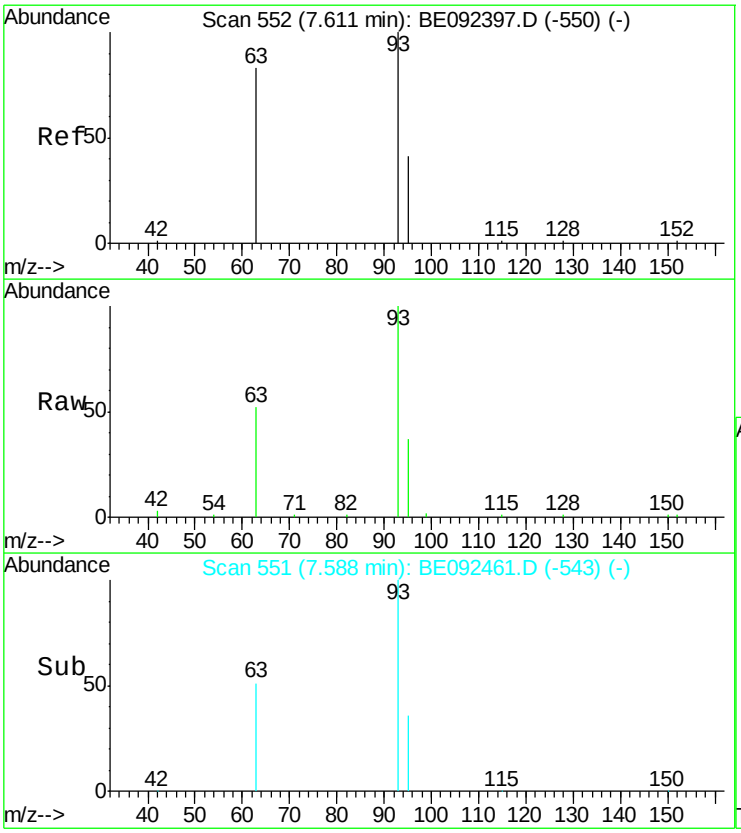
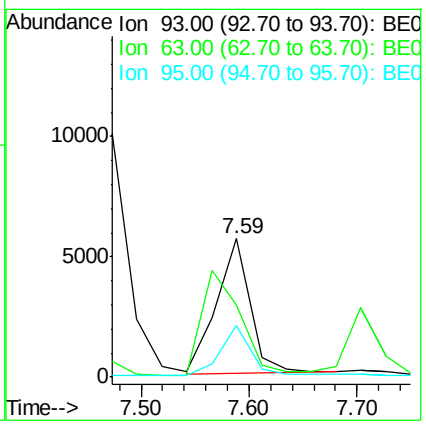
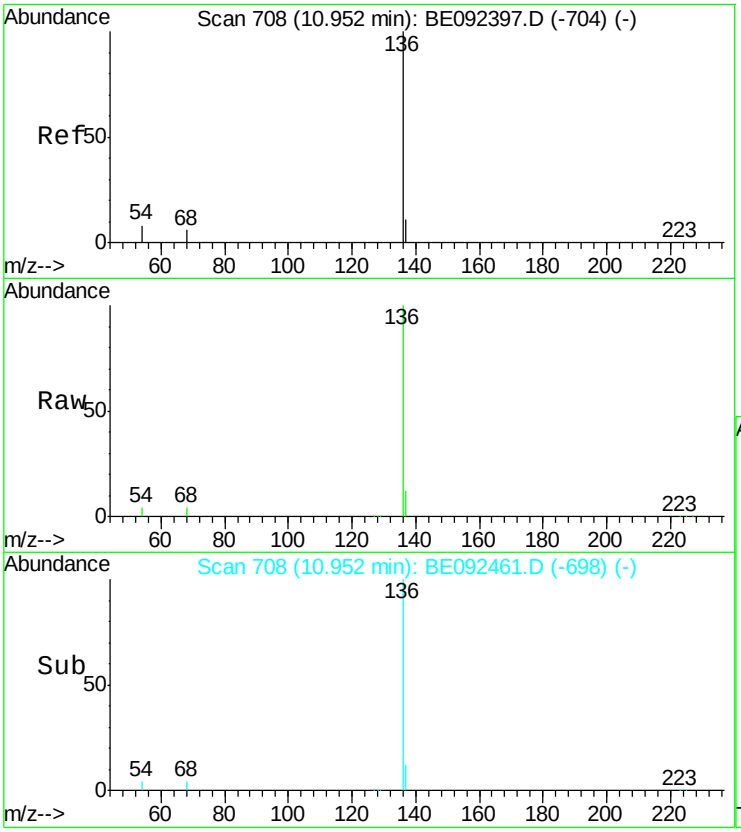


#6
bis(2-Chloroethyl)ether
Concen: 3.16 ng
RT: 7.59 min Scan# 551
Delta R.T. -0.02 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion: 93 Resp: 12162

Ion	Ratio	Lower	Upper
93	100		
63	0.0	71.6	107.4#
95	35.4	24.0	36.0

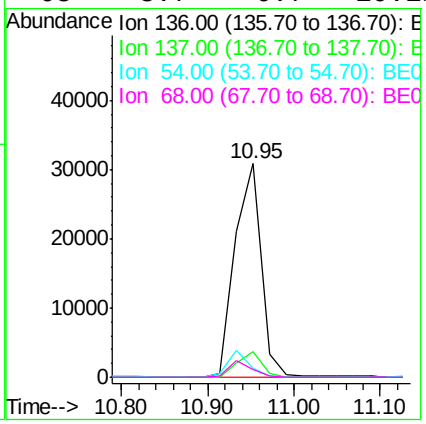




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.95 min Scan# 708
Delta R.T. 0.00 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:136 Resp: 65118

Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.2	12.4
54	4.5	9.6	14.4#
68	3.7	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
PB93716BSD

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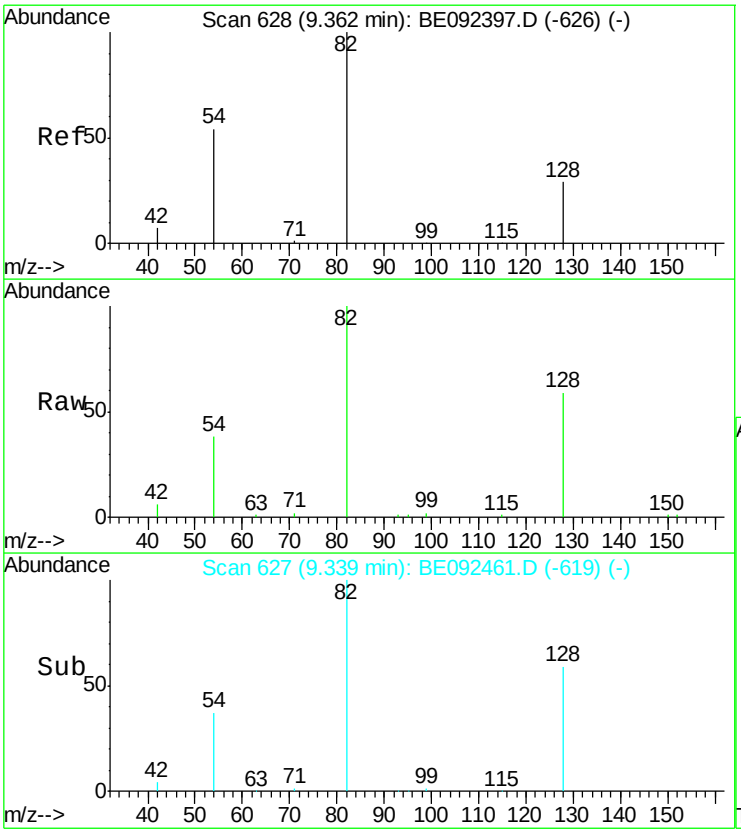
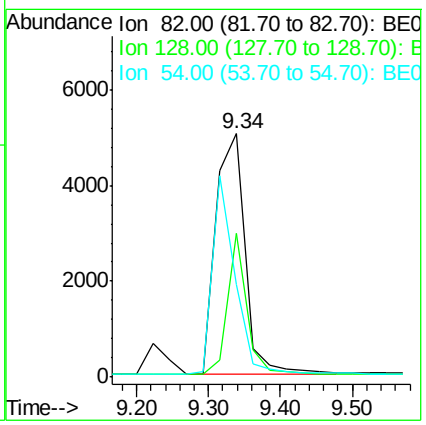
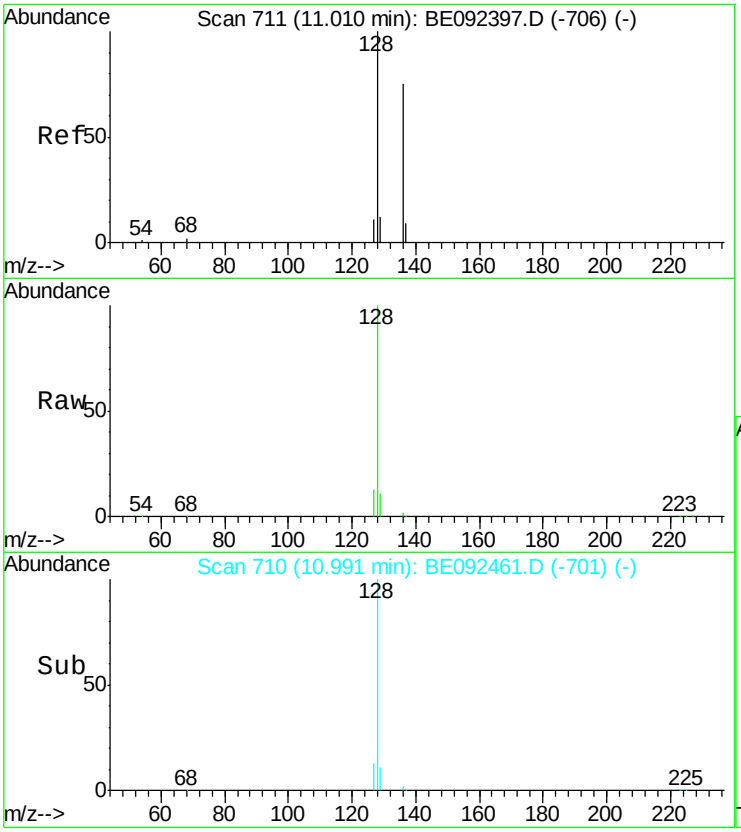


#8
Nitrobenzene-d5
Concen: 3.10 ng
RT: 9.34 min Scan# 627
Delta R.T. -0.02 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion: 82 Resp: 14228

Ion	Ratio	Lower	Upper
82	100		
128	59.0	39.0	58.4#
54	38.1	44.8	67.2#

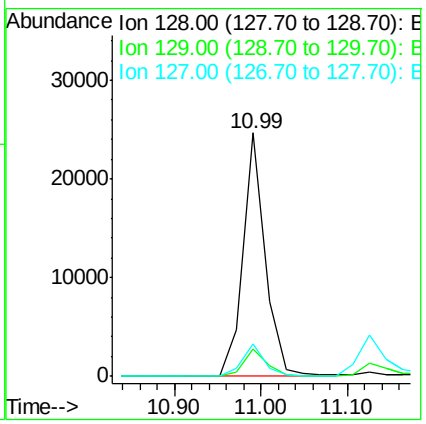




#9
Naphthalene
Concen: 3.11 ng
RT: 10.99 min Scan# 710
Delta R.T. -0.02 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:128 Resp: 43764

Ion	Ratio	Lower	Upper
128	100		
129	11.0	11.2	16.8#
127	13.2	11.6	17.4



Instrument :
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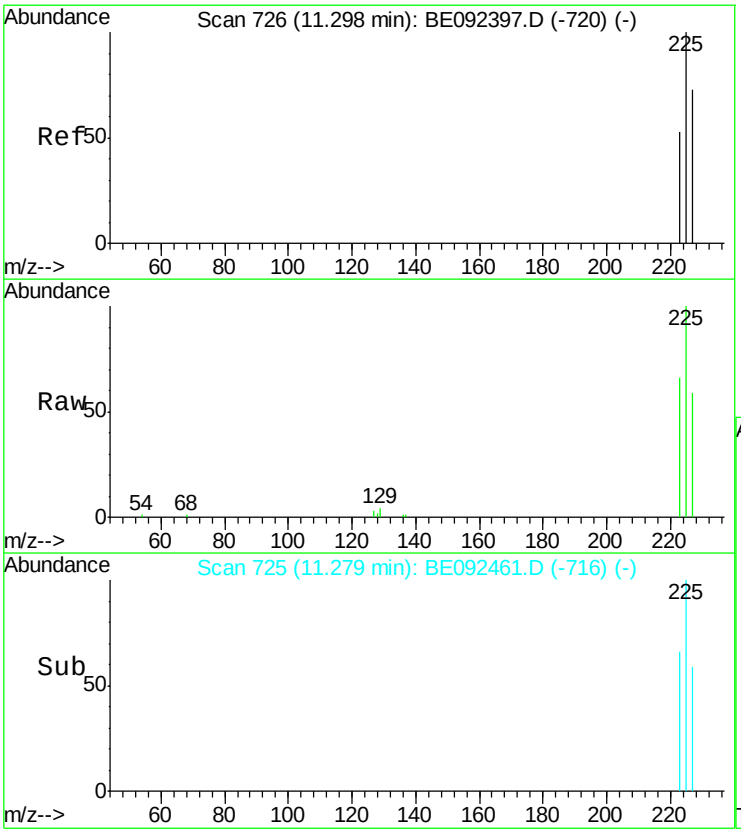
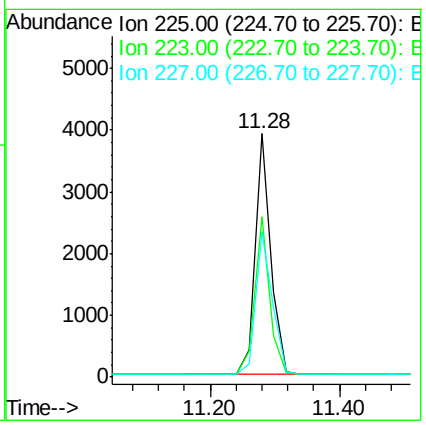
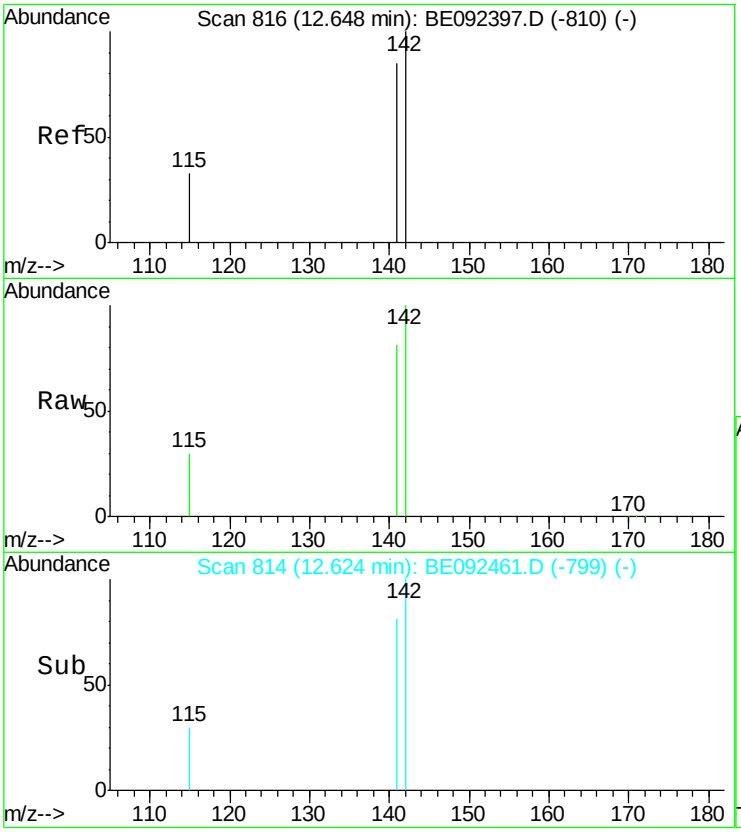


#10
Hexachlorobutadiene
Concen: 2.97 ng
RT: 11.28 min Scan# 725
Delta R.T. -0.02 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:225 Resp: 6586

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.6	76.0
227	63.4	51.4	77.0

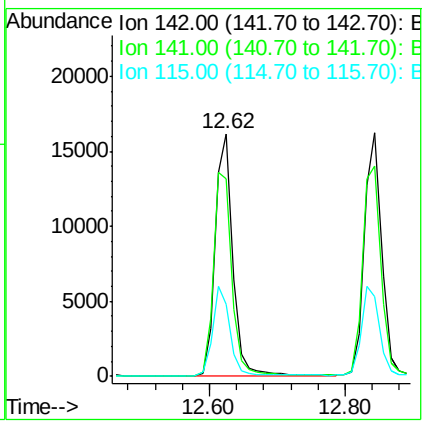




#11
2-Methylnaphthalene
Concen: 3.16 ng
RT: 12.62 min Scan# 814
Delta R.T. -0.02 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:142 Resp: 29444

Ion	Ratio	Lower	Upper
142	100		
141	81.3	73.7	110.5
115	29.9	34.0	51.0#



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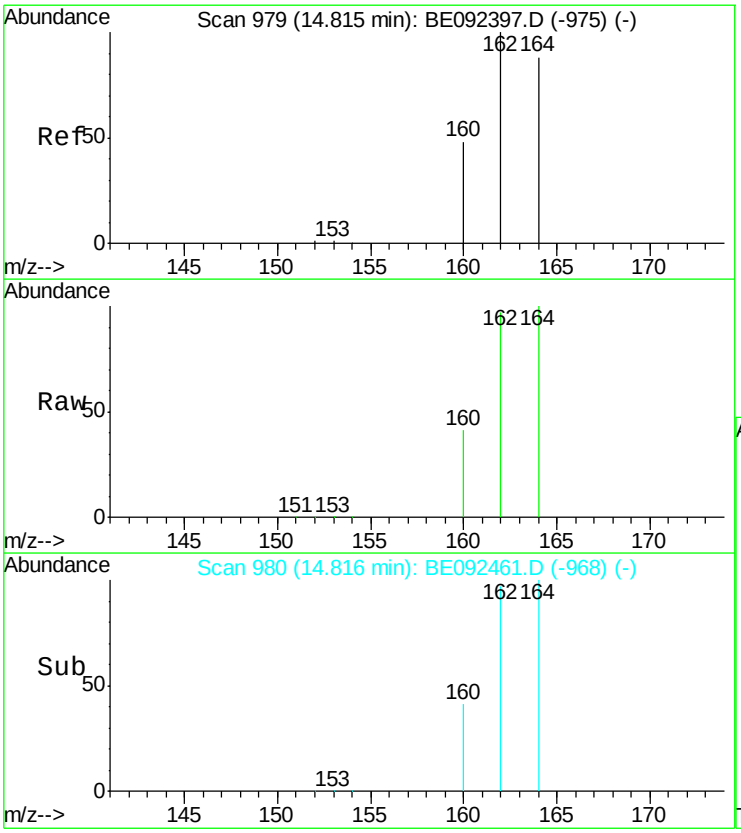
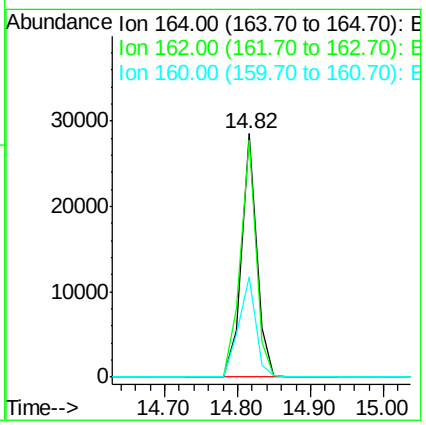
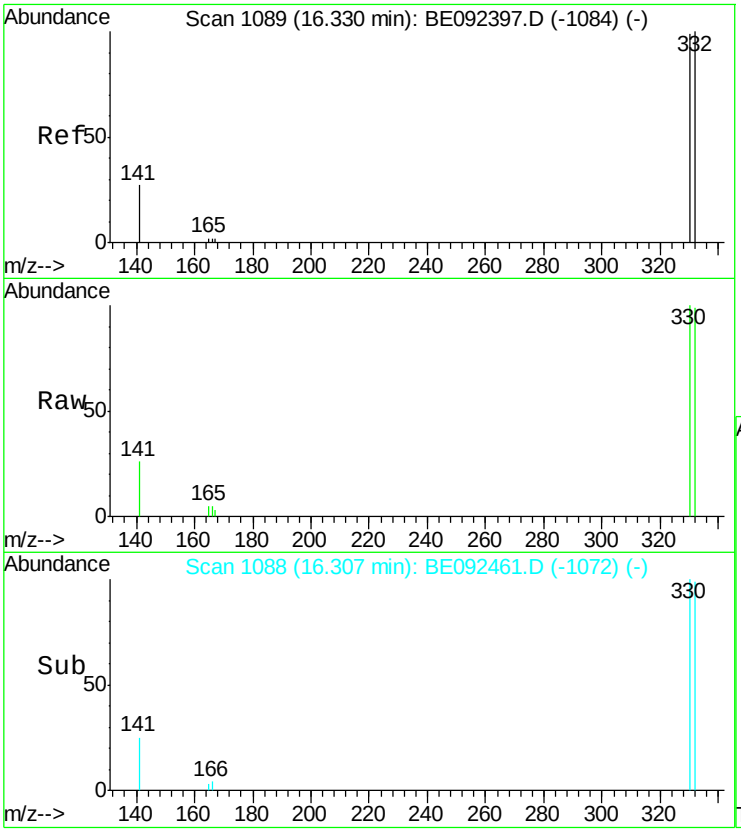


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.82 min Scan# 980
Delta R.T. 0.00 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:164 Resp: 40862

Ion	Ratio	Lower	Upper
164	100		
162	97.5	71.4	107.0
160	41.1	27.4	41.2

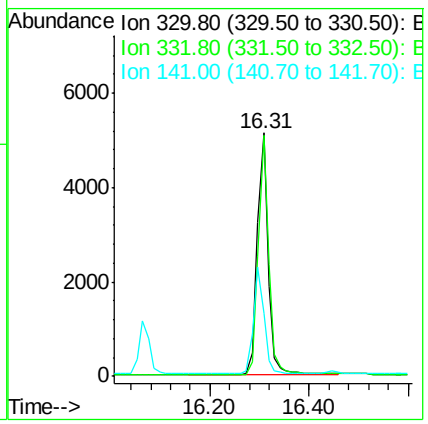




#13
2,4,6-Tribromophenol
Concen: 5.52 ng
RT: 16.31 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:330 Resp: 7919

Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.4	113.0
141	43.4	31.0	46.6



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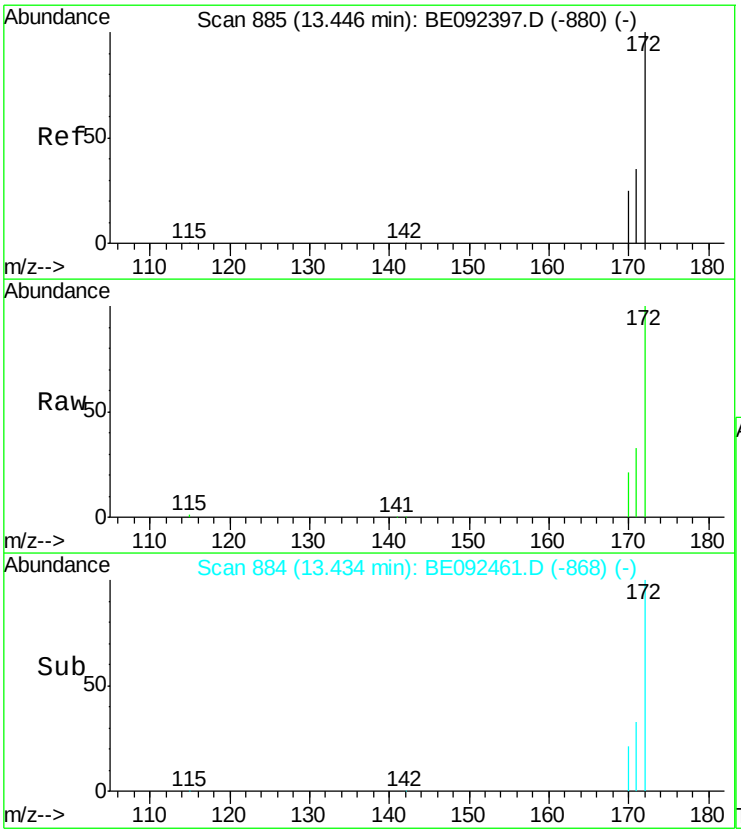
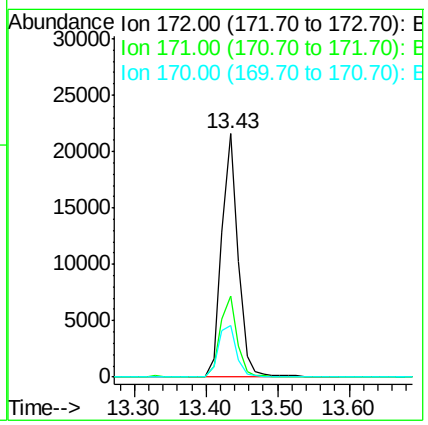
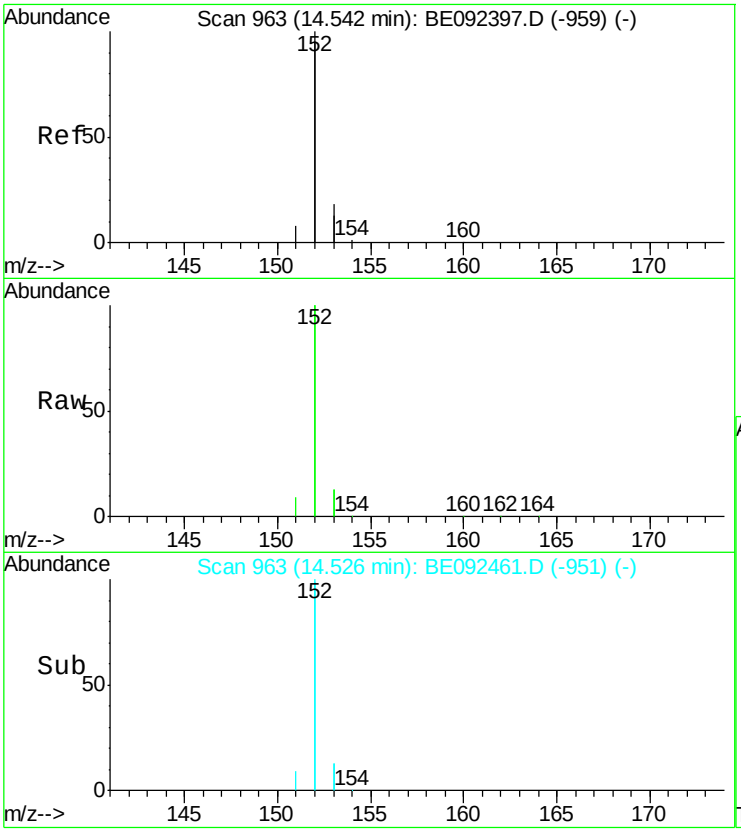


#14
2-Fluorobiphenyl
Concen: 3.52 ng
RT: 13.43 min Scan# 884
Delta R.T. -0.01 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:172 Resp: 34035

Ion	Ratio	Lower	Upper
172	100		
171	33.0	30.1	45.1
170	21.3	21.8	32.6#

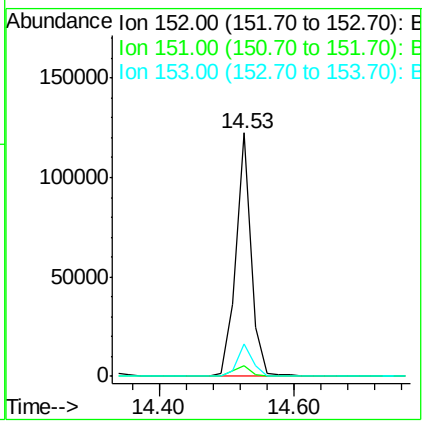




#15
Acenaphthylene
Concen: 3.23 ng
RT: 14.53 min Scan# 963
Delta R.T. 0.00 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:152 Resp: 191320

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.0	10.4	15.6



Instrument :
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ClientSampleId :
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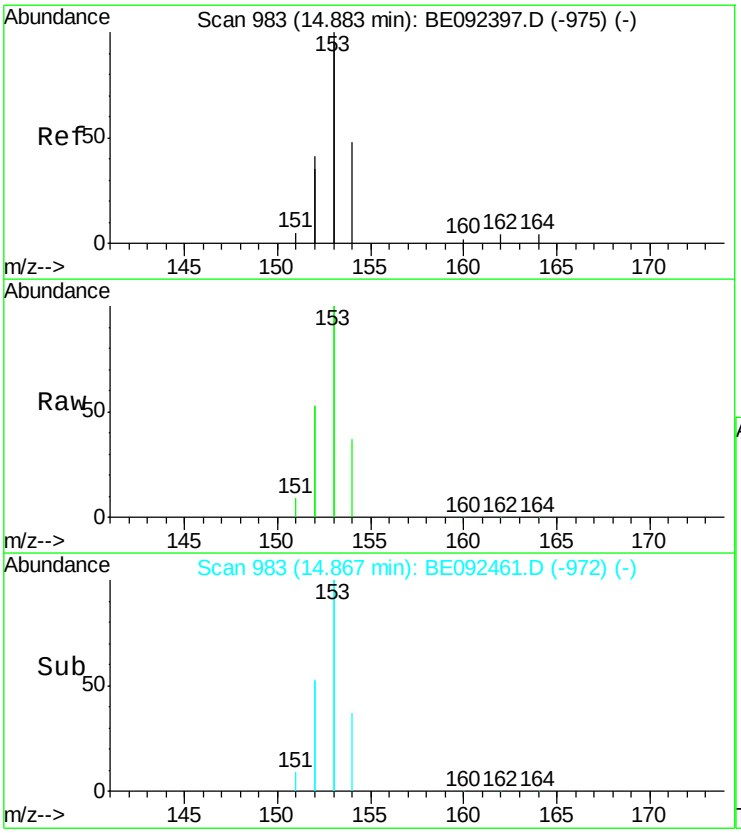
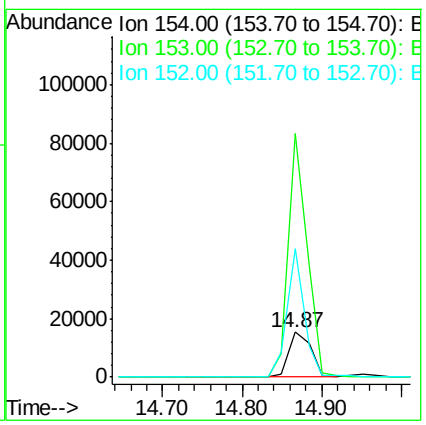
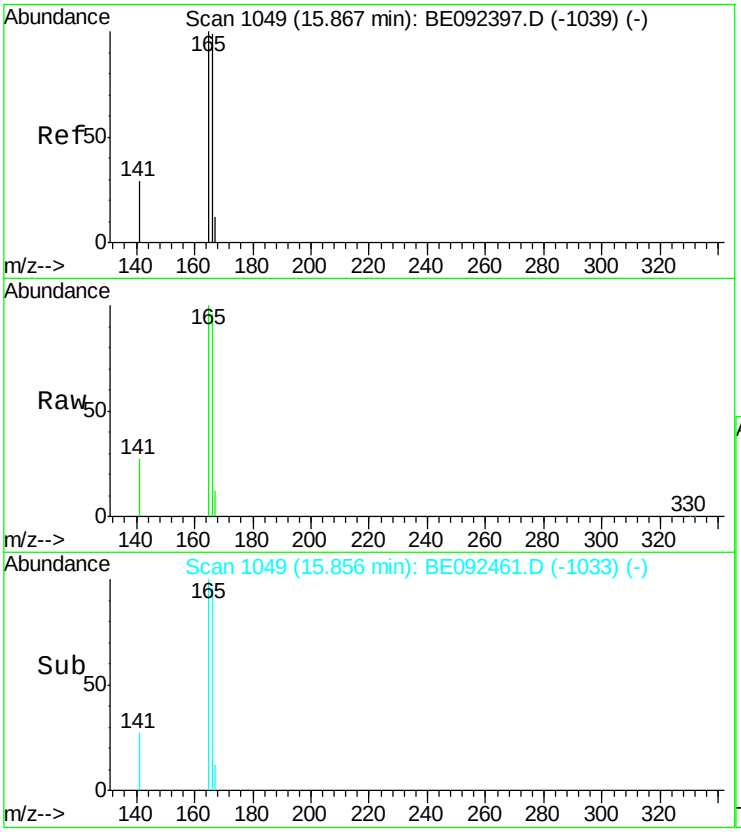


#16
Acenaphthene
Concen: 3.16 ng
RT: 14.87 min Scan# 983
Delta R.T. -0.02 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:154 Resp: 29289

Ion	Ratio	Lower	Upper
154	100		
153	455.7	350.8	526.2
152	222.3	171.1	256.7

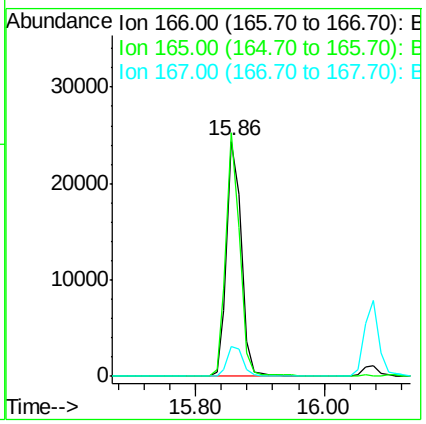




#17
Fluorene
Concen: 3.25 ng
RT: 15.86 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:166 Resp: 38175

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.2	117.4
167	13.4	11.0	16.4



Instrument :
BNA_E
ClientSampleId :
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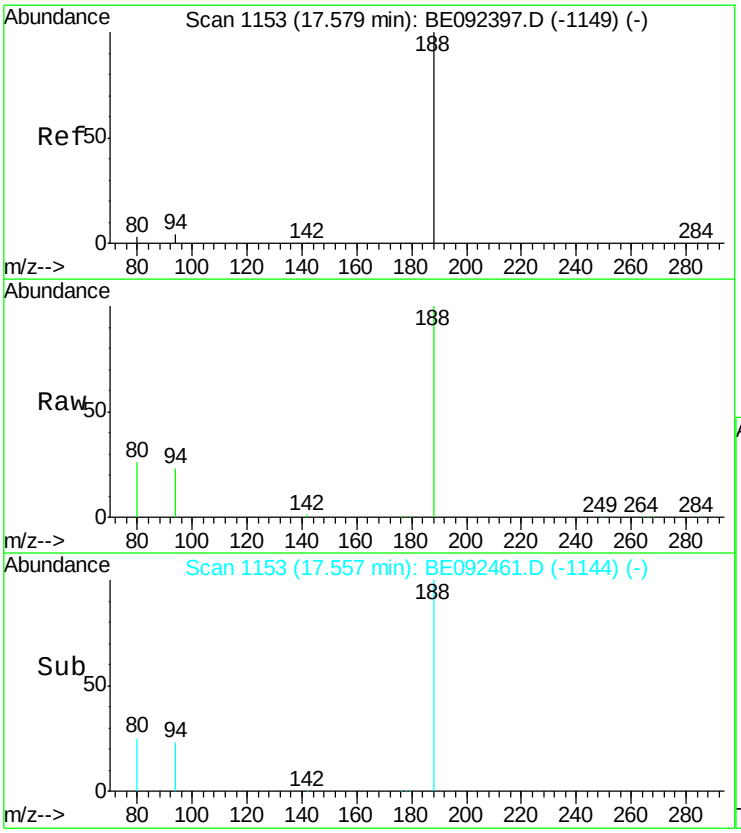
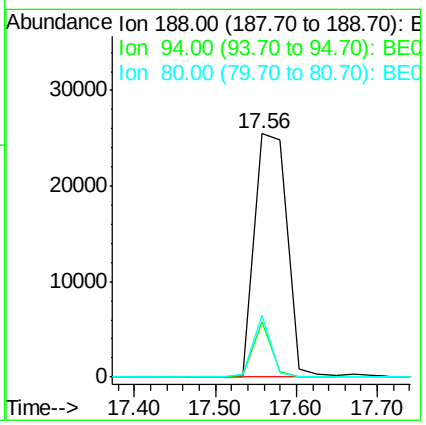
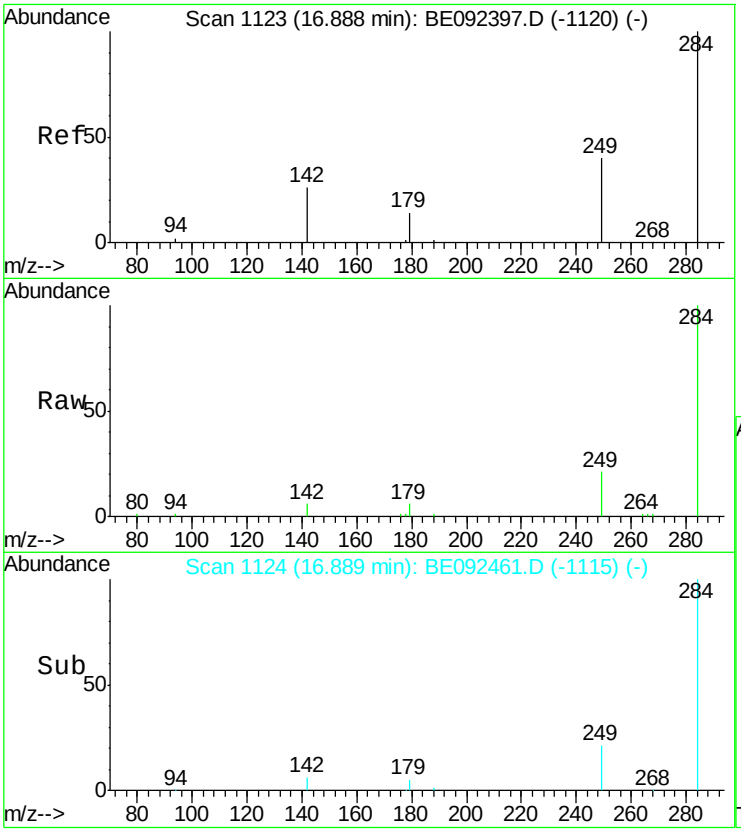


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:188 Resp: 71056

Ion	Ratio	Lower	Upper
188	100		
94	22.8	3.2	4.8#
80	25.5	2.6	3.8#

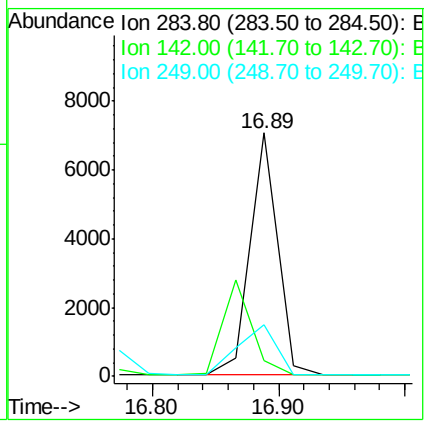




#19
Hexachlorobenzene
Concen: 3.57 ng m
RT: 16.89 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:284 Resp: 10865

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	29.0	27.9	41.9



Instrument :
BNA_E
ClientSampleId :
PB93716BSD

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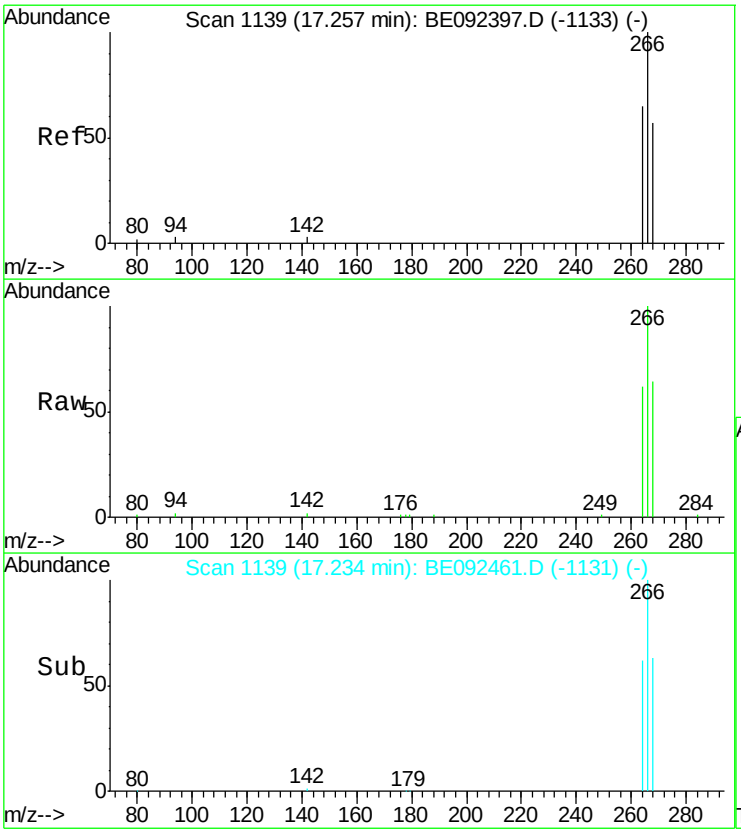
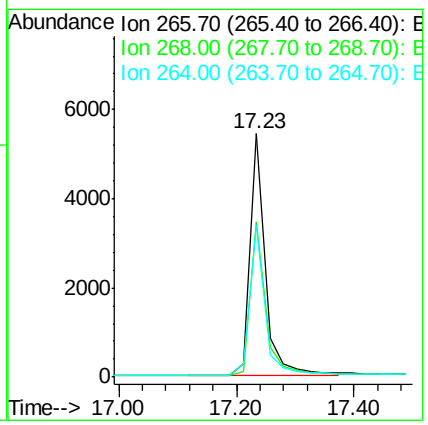
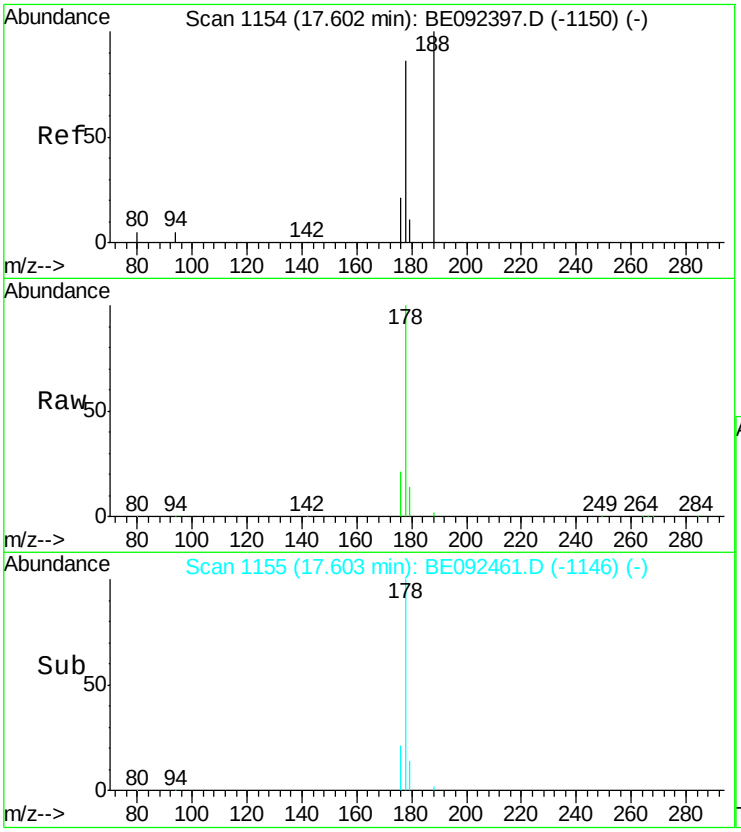


#20
Pentachlorophenol
Concen: 8.78 ng
RT: 17.23 min Scan# 1139
Delta R.T. -0.02 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:266 Resp: 9786

Ion	Ratio	Lower	Upper
266	100		
268	63.8	62.5	93.7
264	62.0	57.2	85.8

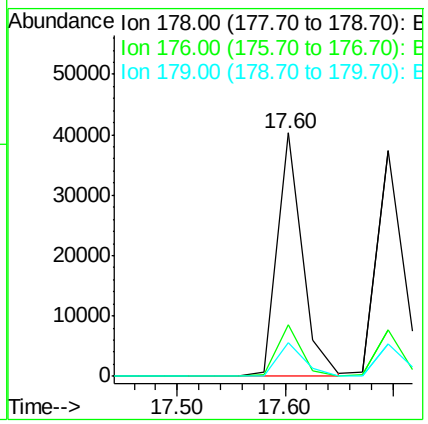




#21
Phenanthrene
Concen: 4.01 ng
RT: 17.60 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:178 Resp: 65465

Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.8	23.8
179	14.6	16.0	24.0#



Instrument :
BNA_E
ClientSampleId :
PB93716BSD

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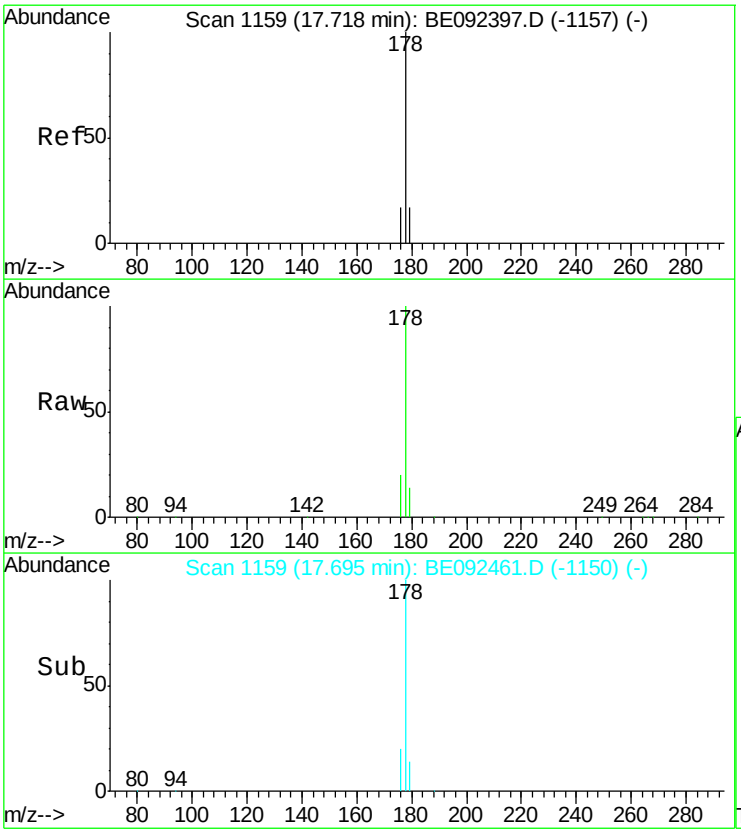
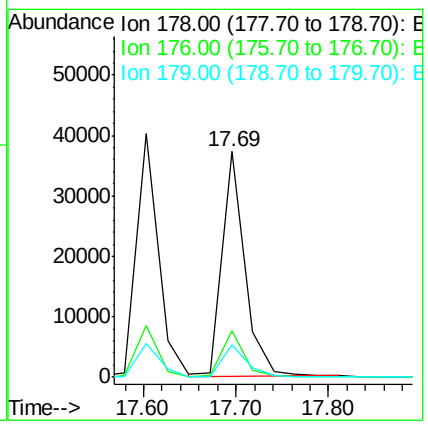
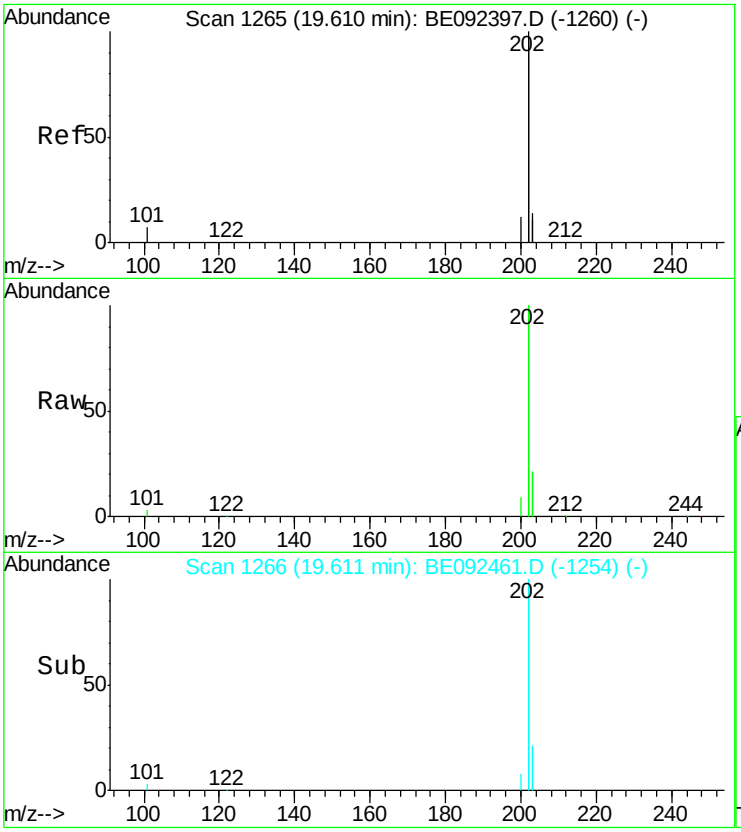


#22
Anthracene
Concen: 4.06 ng
RT: 17.69 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:178 Resp: 63755

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.0	22.4
179	14.9	12.2	18.2

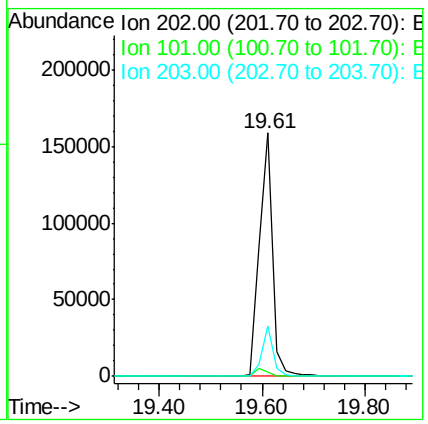




#23
Fluoranthene
Concen: 3.52 ng
RT: 19.61 min Scan# 1266
Delta R.T. 0.00 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:202 Resp: 273332

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



Instrument :
BNA_E
ClientSampleId :
PB93716BSD

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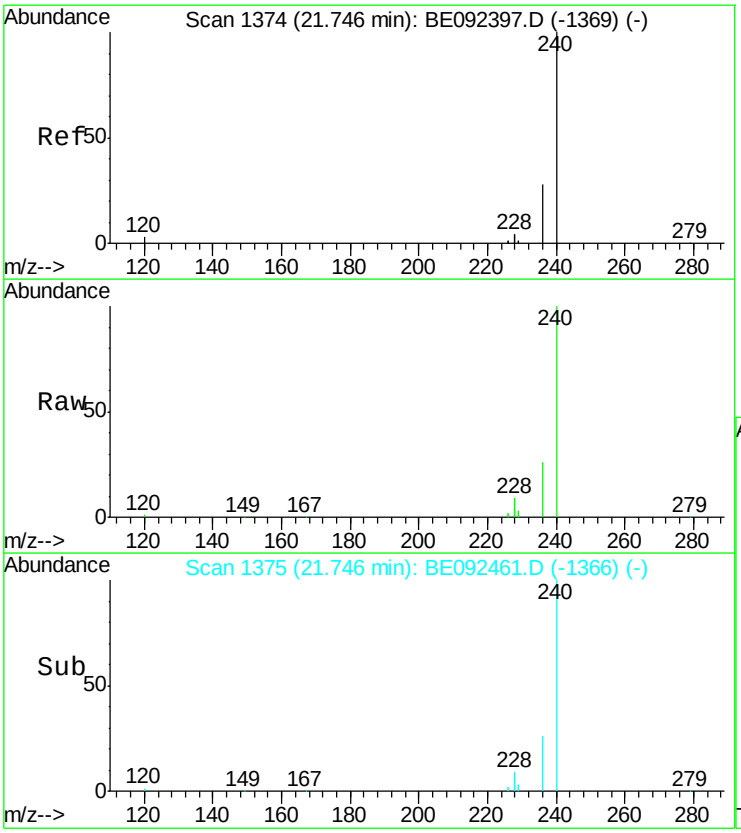
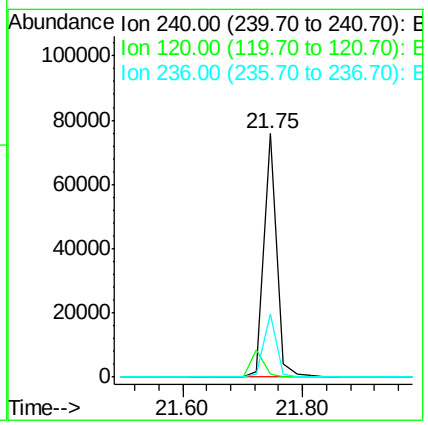
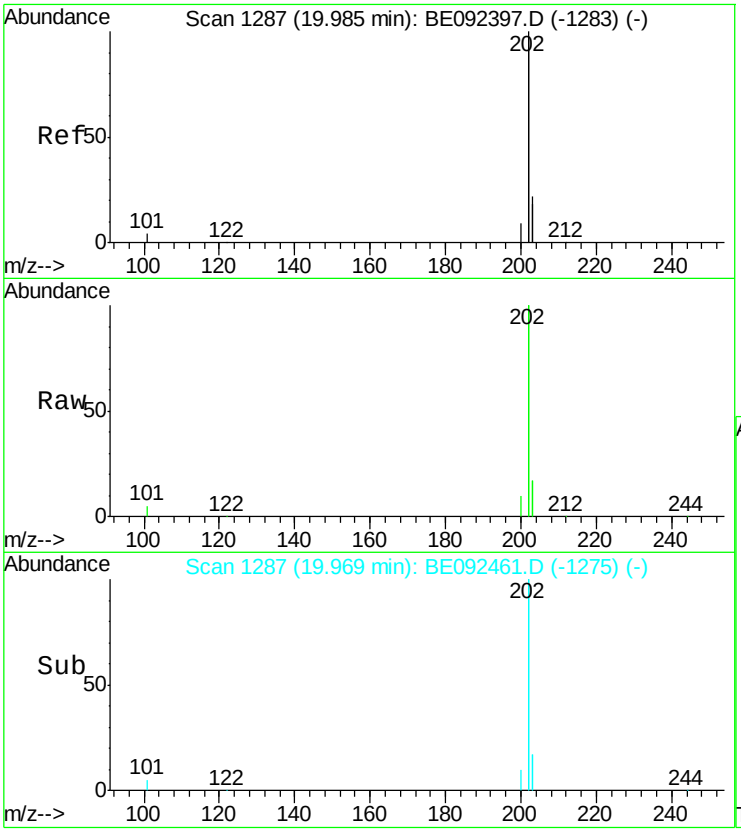


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1375
Delta R.T. -0.00 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:240 Resp: 113135

Ion	Ratio	Lower	Upper
240	100		
120	1.3	2.6	4.0#
236	25.7	24.6	37.0





#25
Pyrene
Concen: 3.08 ng
RT: 19.97 min Scan# 1287
Delta R.T. 0.00 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:202 Resp: 301891

Ion	Ratio	Lower	Upper
202	100		
200	5.2	4.2	6.4
203	17.9	13.9	20.9

Instrument :
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ClientSampleId :
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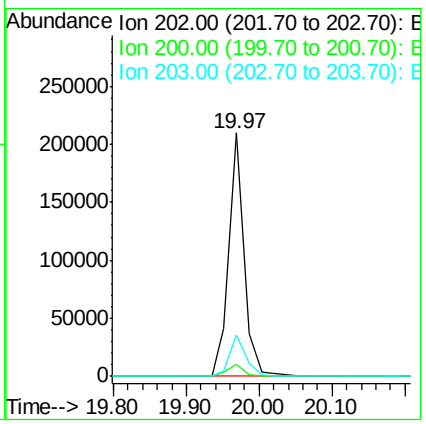
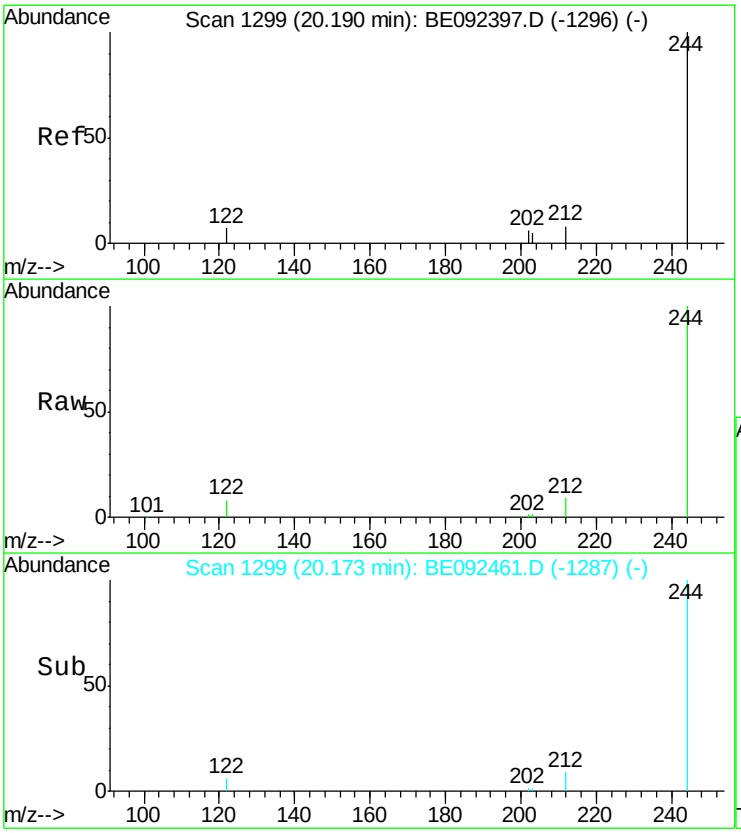
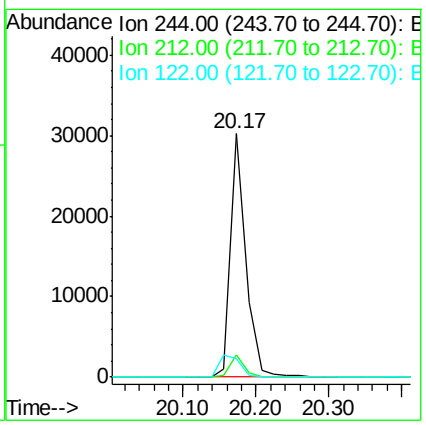


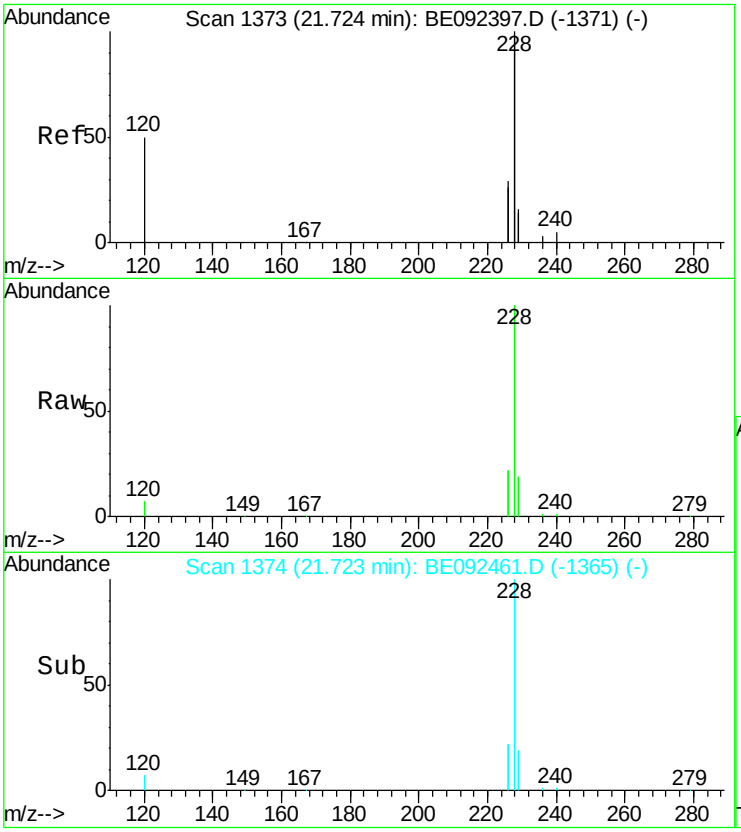


#26
Terphenyl-d14
Concen: 3.06 ng
RT: 20.17 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:244 Resp: 42982

Ion	Ratio	Lower	Upper
244	100		
212	9.3	6.7	10.1
122	7.6	3.6	5.4#

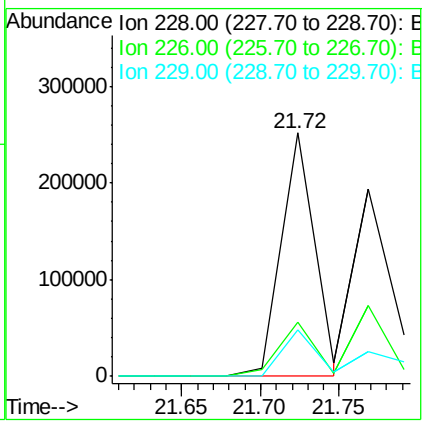




#27
Benzo(a)anthracene
Concen: 3.37 ng m
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:228 Resp: 370995

Ion	Ratio	Lower	Upper
228	100		
226	22.2	23.6	35.4#
229	19.2	13.3	19.9



Instrument :
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ClientSampleId :
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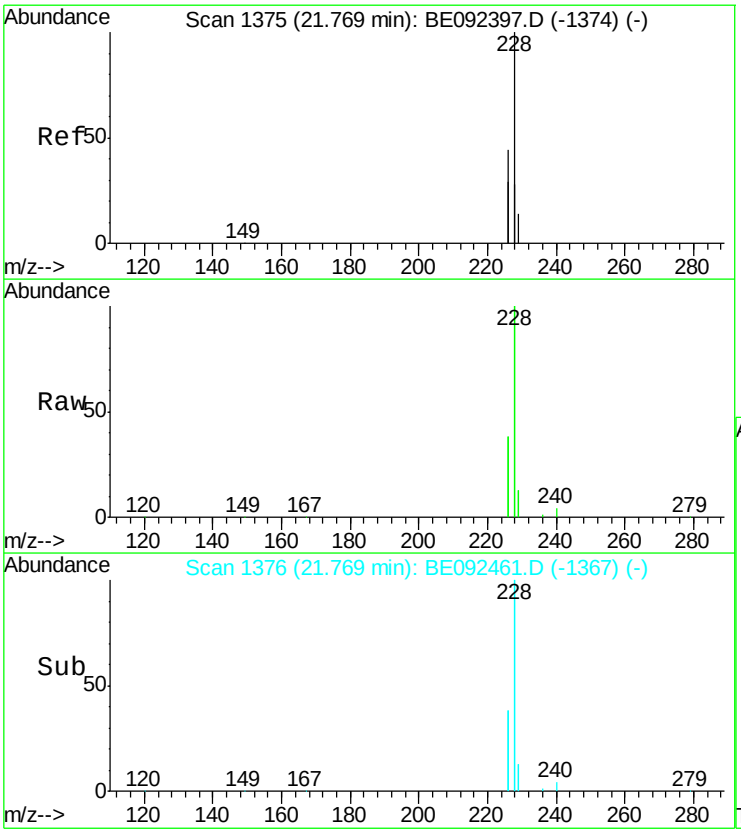
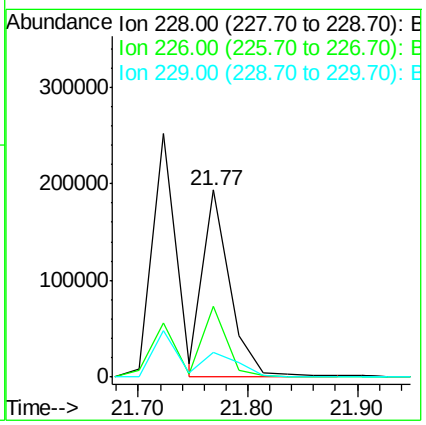
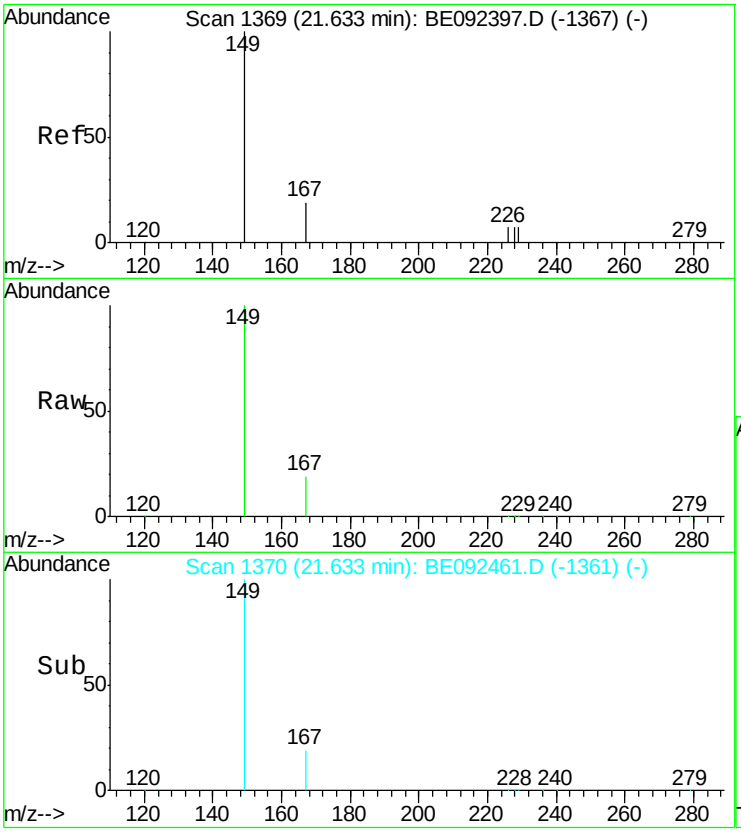


#28
Chrysene
Concen: 3.32 ng m
RT: 21.77 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:228 Resp: 335639

Ion	Ratio	Lower	Upper
228	100		
226	38.1	36.3	54.5
229	13.5	10.6	16.0





#29
Bis(2-ethylhexyl)phthalate
Concen: 3.53 ng
RT: 21.63 min Scan# 1370
Delta R.T. -0.00 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:149 Resp: 33484

Ion	Ratio	Lower	Upper
149	100		
167	23.3	16.0	24.0
279	0.0	16.0	24.0#

Instrument :
BNA_E
ClientSampleId :
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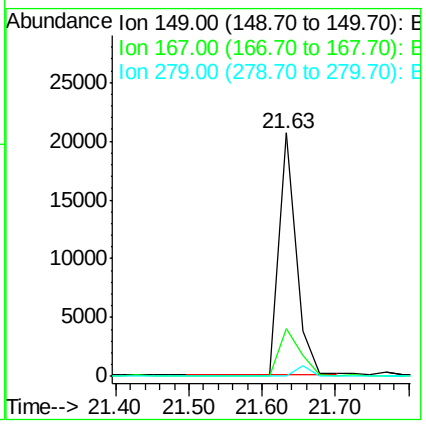
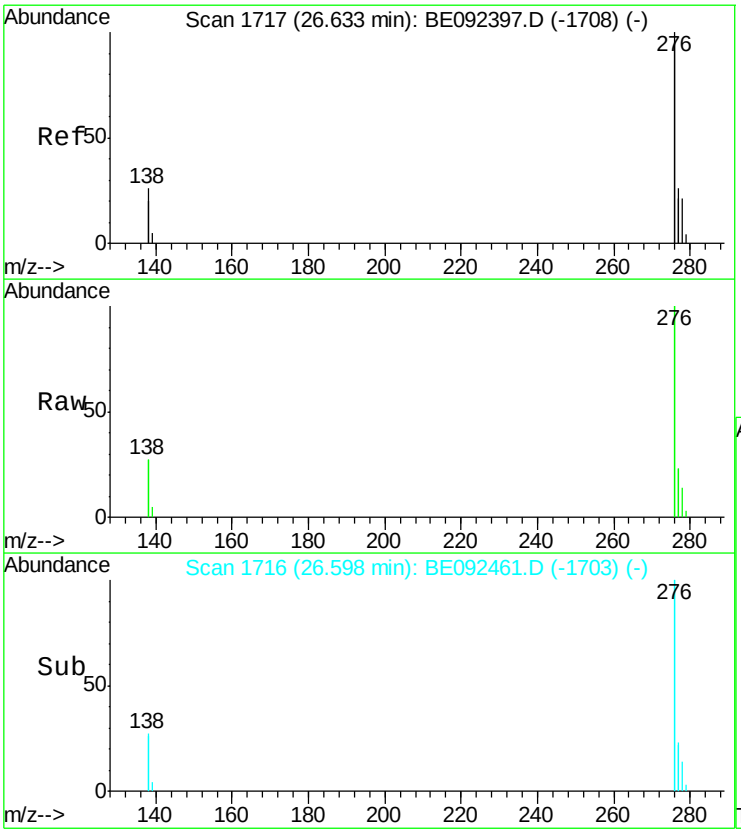
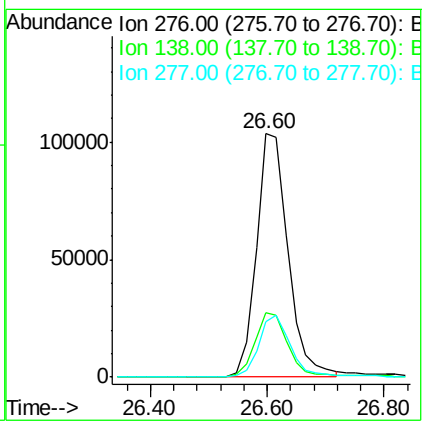


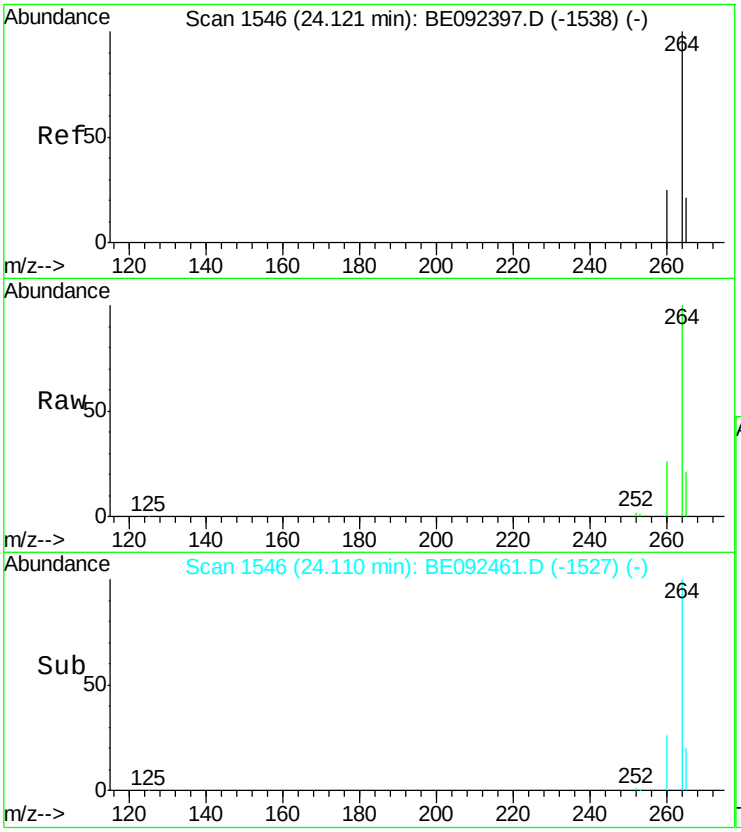


#30
Indeno(1,2,3-cd)pyrene
Concen: 3.61 ng
RT: 26.60 min Scan# 1716
Delta R.T. 0.02 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:276 Resp: 387062

Ion	Ratio	Lower	Upper
276	100		
138	27.2	20.3	30.5
277	24.8	19.7	29.5





#31
Perylene-d12
Concen: 5.00 ng
RT: 24.11 min Scan# 1546
Delta R.T. 0.02 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:264 Resp: 99466

Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.1	30.1
265	20.8	17.9	26.9

Instrument :
BNA_E
ClientSampleId :
PB93716BSD

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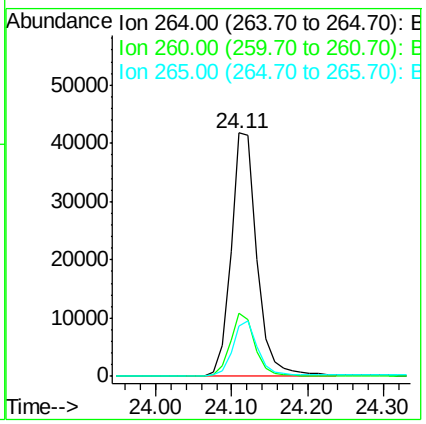
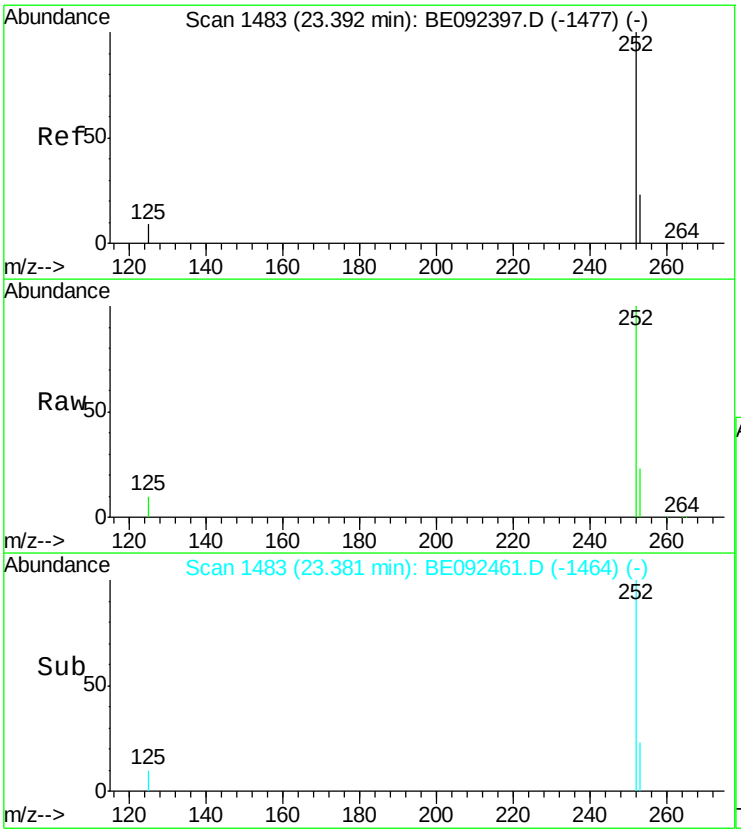
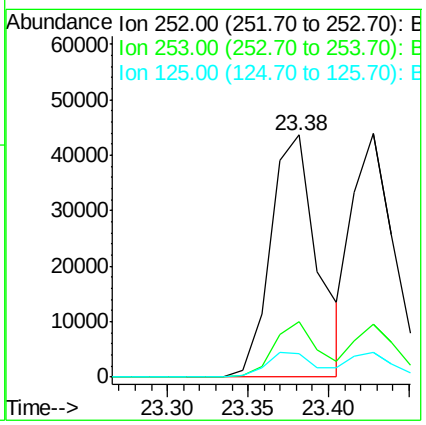


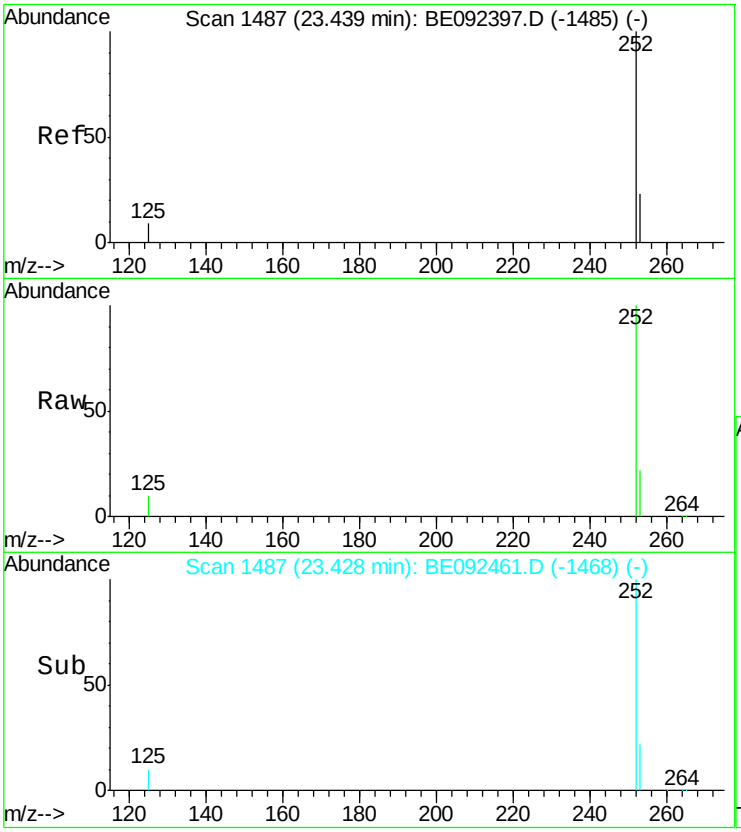


#32
Benzo(b)fluoranthene
Concen: 3.67 ng
RT: 23.38 min Scan# 1483
Delta R.T. 0.02 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:252 Resp: 88366

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.7	28.1
125	9.7	10.5	15.7#





#33
Benzo(k)fluoranthene
Concen: 3.21 ng
RT: 23.43 min Scan# 1487
Delta R.T. 0.02 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:252 Resp: 80832

Ion	Ratio	Lower	Upper
252	100		
253	21.9	20.3	30.5
125	10.1	9.6	14.4

Instrument :
BNA_E
ClientSampleId :
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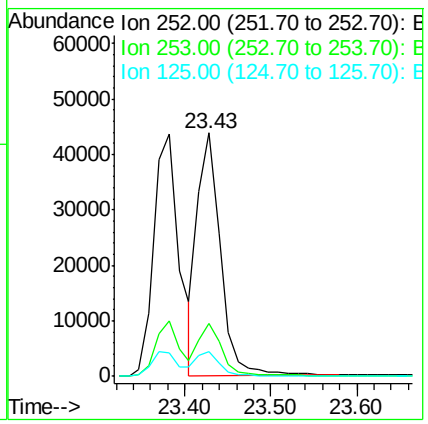
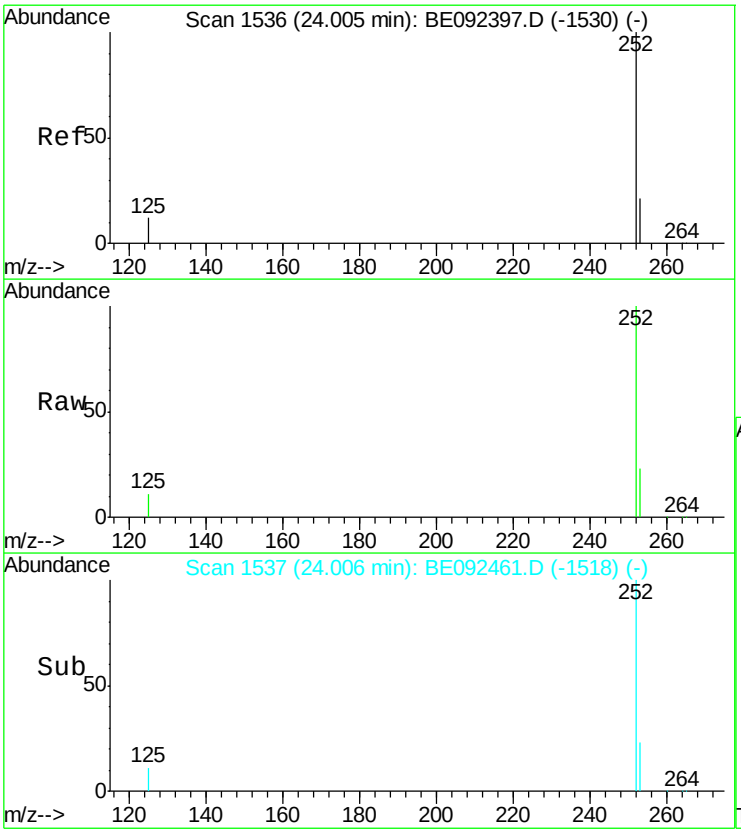
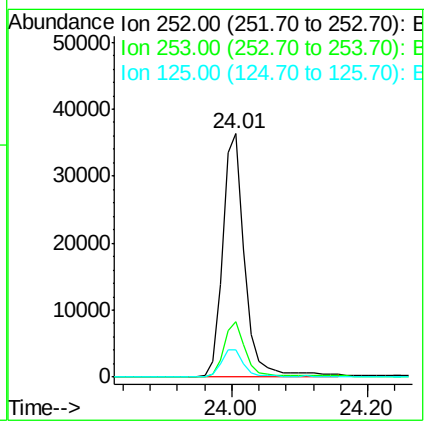


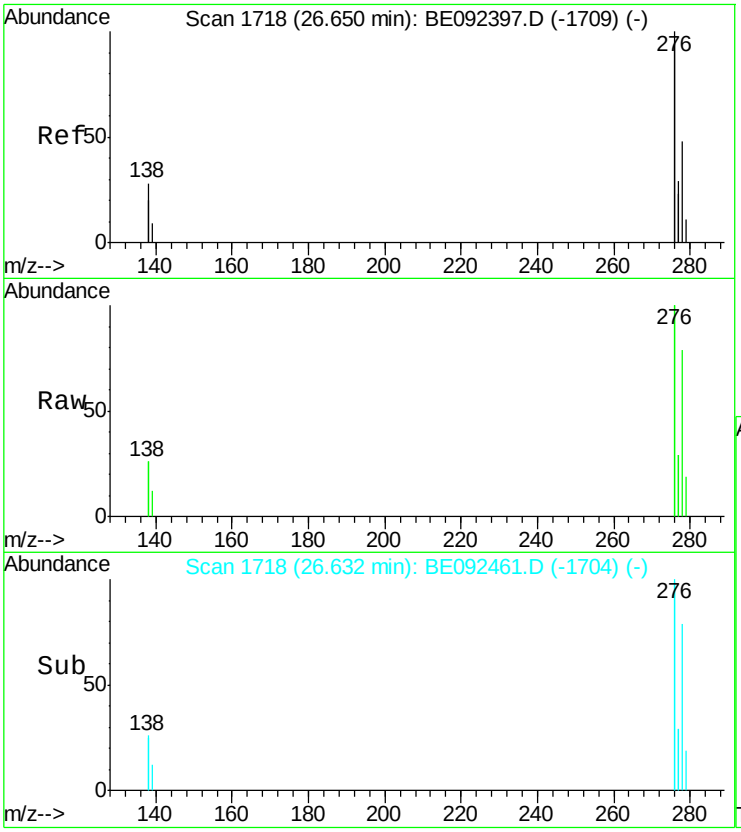


#34
Benzo(a)pyrene
Concen: 3.50 ng
RT: 24.01 min Scan# 1537
Delta R.T. 0.02 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:252 Resp: 82642

Ion	Ratio	Lower	Upper
252	100		
253	22.8	19.0	28.6
125	11.1	11.8	17.8#





#35
Dibenzo(a,h)anthracene
Concen: 3.70 ng
RT: 26.63 min Scan# 1718
Delta R.T. 0.03 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Instrument :
BNA_E
ClientSampleId :
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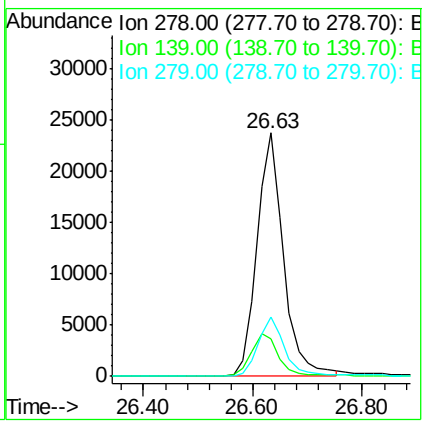
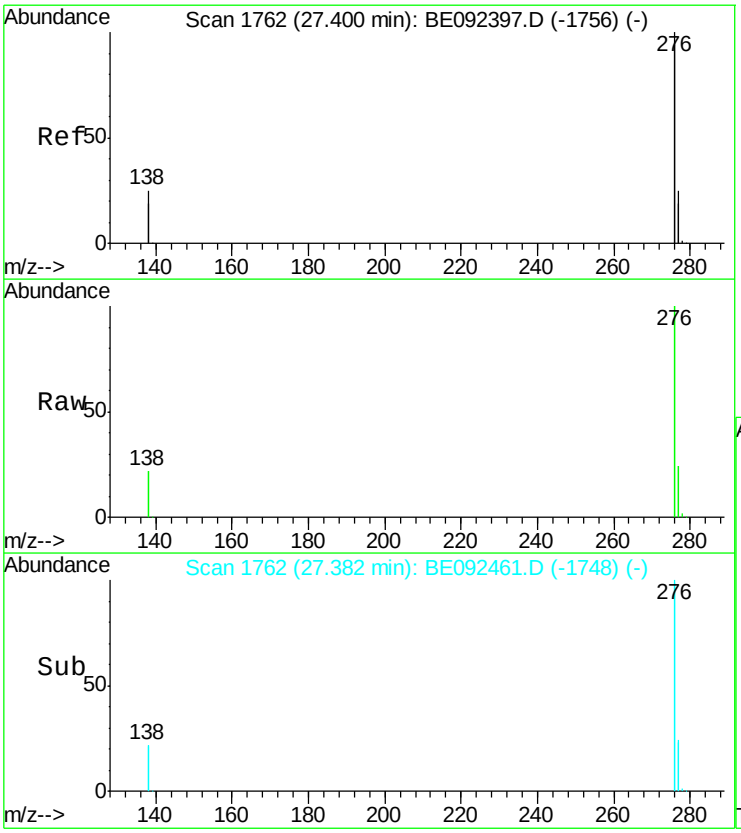
Tgt Ion:278 Resp: 80015

Ion	Ratio	Lower	Upper
278	100		
139	15.6	13.8	20.8
279	24.1	21.4	32.2





#36
Benzo(g,h,i)perylene
Concen: 3.59 ng
RT: 27.38 min Scan# 1762
Delta R.T. 0.03 min
Lab File: BE092461.D
Acq: 17 Oct 2016 20:20

Tgt Ion:276 Resp: 334061

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.8	29.8
138	21.9	19.8	29.6