Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080315\
Data File : BE090325.D
Acq On : 4 Aug 2015 00:51
Operator : TP/UM
Sample : SSTDICV001
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE080315

Manual Integrations APPROVED
MMDadoda
8/4/2015 3:27:03 PM

Quant Time: Aug 04 02:31:40 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 04 02:31:31 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	8465	5.00	ng		0.00
6) Naphthalene-d8	10.35	136	34342	5.00	ng		0.00
12) Acenaphthene-d10	14.21	164	17924	5.00	ng		0.00
18) Phenanthrene-d10	16.94	188	37503	5.00	ng		0.00
25) Chrysene-d12	21.11	240	31857	5.00	ng		0.00
32) Perylene-d12	23.42	264	25877	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.23	112	1637	1.01	ng		0.00
5) Phenol-d6	6.78	99	1893	0.95	ng		0.00
7) Nitrobenzene-d5	8.74	82	1967	0.97	ng		0.00
13) 2,4,6-Tribromophenol	15.73	330	211	1.02	ng		0.00
14) 2-Fluorobiphenyl	12.83	172	5325	1.02	ng		0.00
27) Terphenyl-d14	19.57	244	6265	1.05	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.21	88	1506	1.37	ng		89
3) n-Nitrosodimethylamine	3.51	42	1353	0.95	ng	#	98
8) Nitrobenzene	8.78	77	1953	0.93	ng		97
9) Naphthalene	10.40	128	7346	1.00	ng		99
10) Hexachlorobutadiene	10.69	225	1012	1.02	ng		98
11) 2-Methylnaphthalene	12.02	142	4773	1.05	ng		97
15) Acenaphthylene	13.93	152	31737	1.01	ng		100
16) Acenaphthene	14.27	154	4471	0.99	ng		98
17) Fluorene	15.26	166	5387	0.98	ng		99
19) 4-Bromophenyl-phenylether	16.16	248	1461	1.04	ng		97
20) Hexachlorobenzene	16.27	284	5483	1.03	ng		97
21) Pentachlorophenol	16.63	266	212	0.95	ng		95
22) Phenanthrene	17.00	178	8540	1.00	ng		100
23) Anthracene	17.08	178	7524	0.99	ng		100
24) Fluoranthene	19.00	202	8877	1.03	ng		100
26) Pyrene	19.36	202	8955	1.04	ng		100
28) Benzo(a)anthracene	21.10	228	6253	1.03	ng		97
29) Chrysene	21.15	228	9125	1.22	ng		98
30) Bis(2-ethylhexyl)phthalate	21.04	149	1670	0.94	ng		98
31) Indeno(1,2,3-cd)pyrene	25.82	276	4563	1.36	ng	#	88
33) Benzo(b)fluoranthene	22.72	252	4403	1.17	ng		94
34) Benzo(k)fluoranthene	22.76	252	8989m	1.28	ng		
35) Benzo(a)pyrene	23.32	252	4346	1.19	ng		94
36) Dibenzo(a,h)anthracene	25.85	278	2762	1.28	ng	#	82
37) Benzo(g,h,i)perylene	26.56	276	4916	1.22	ng		93

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

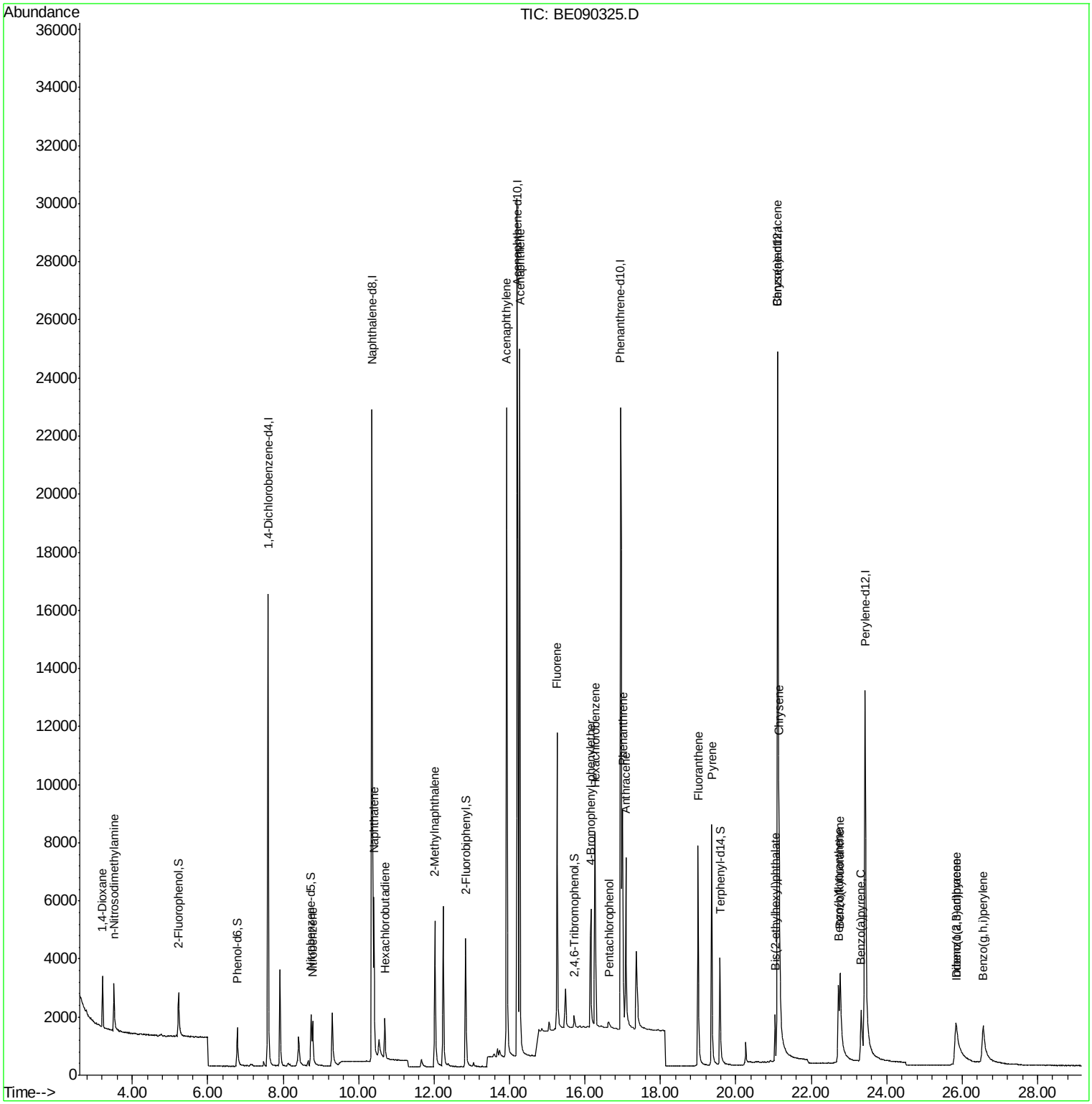
Quantitation Report (QT Reviewed)

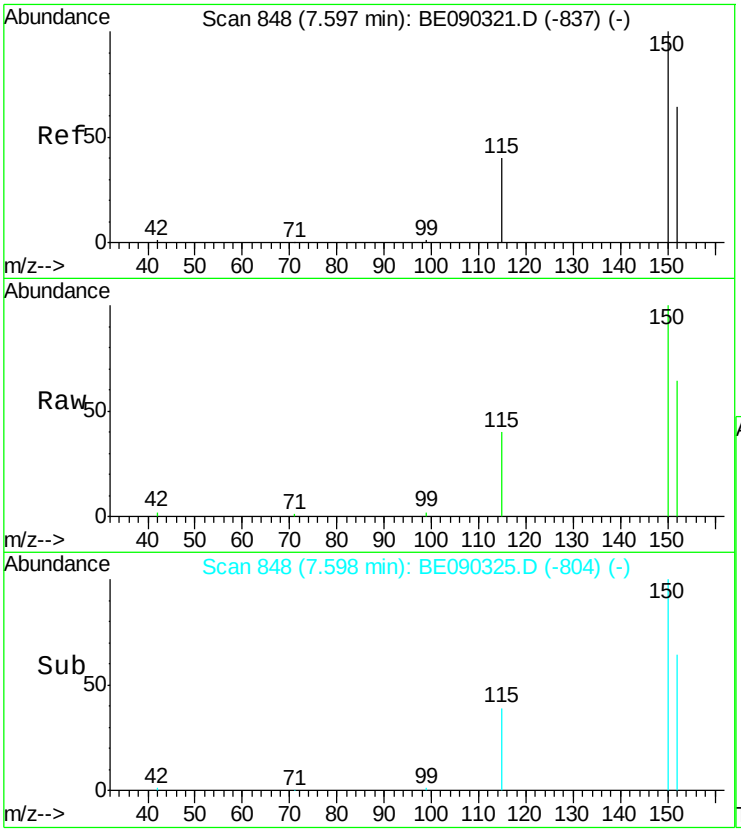
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080315\
Data File : BE090325.D
Acq On : 4 Aug 2015 00:51
Operator : TP/UM
Sample : SSTDICV001
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 04 02:31:40 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 04 02:31:31 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
ICVBE080315

Manual Integrations APPROVED
MMDadoda
8/4/2015 3:27:03 PM

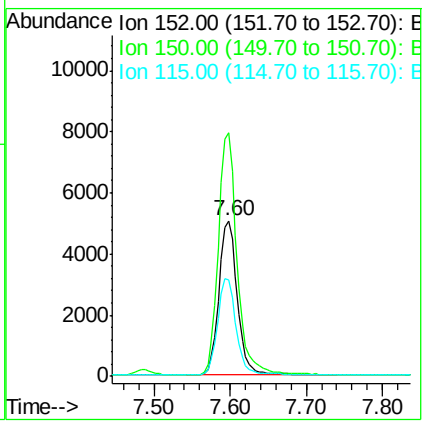




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.60 min Scan# 848
Delta R.T. 0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:152 Resp: 8465

Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.2	186.2
115	62.1	50.4	75.6



Instrument :
BNA_E
ClientSampleId :
ICVBE080315

Manual Integrations APPROVED
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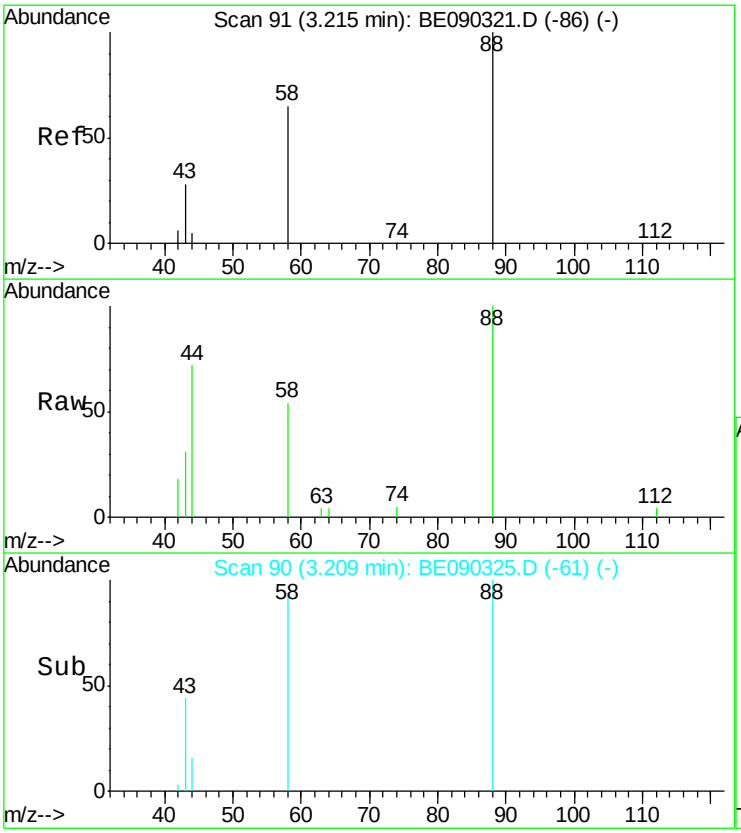
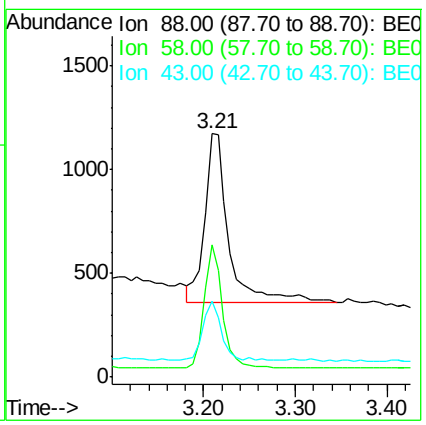
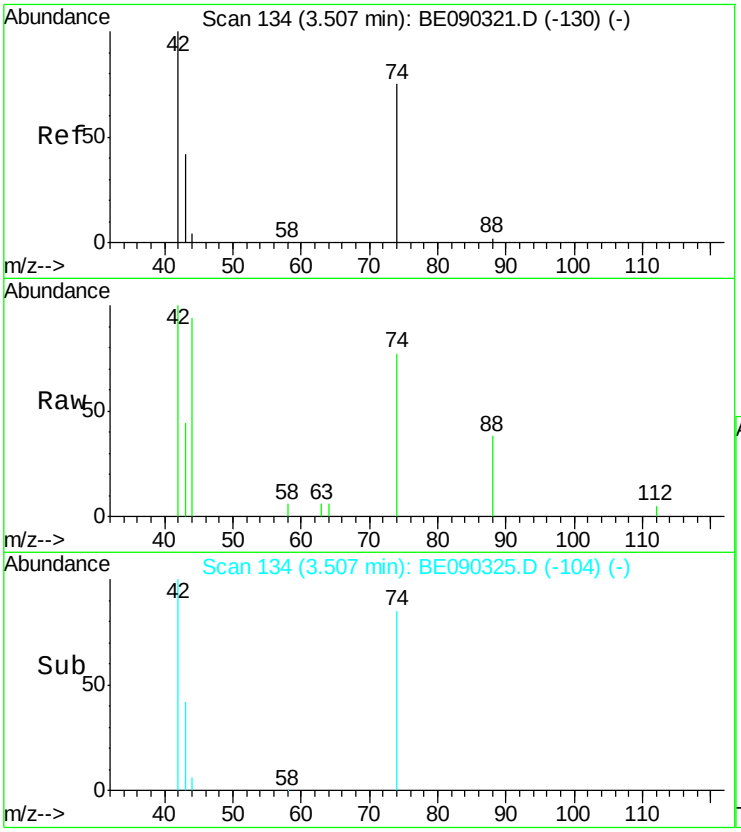


#2
1,4-Dioxane
Concen: 1.37 ng
RT: 3.21 min Scan# 90
Delta R.T. -0.01 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion: 88 Resp: 1506

Ion	Ratio	Lower	Upper
88	100		
58	53.2	50.2	75.2
43	26.1	25.0	37.6

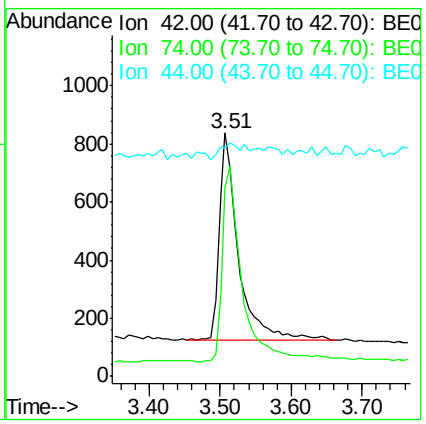




#3
n-Nitrosodimethylamine
Concen: 0.95 ng
RT: 3.51 min Scan# 134
Delta R.T. 0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion: 42 Resp: 1353

Ion	Ratio	Lower	Upper
42	100		
74	93.0	73.2	109.8
44	7.4	3.8	5.6#



Instrument :
BNA_E
ClientSampleId :
ICVBE080315

Manual Integrations APPROVED
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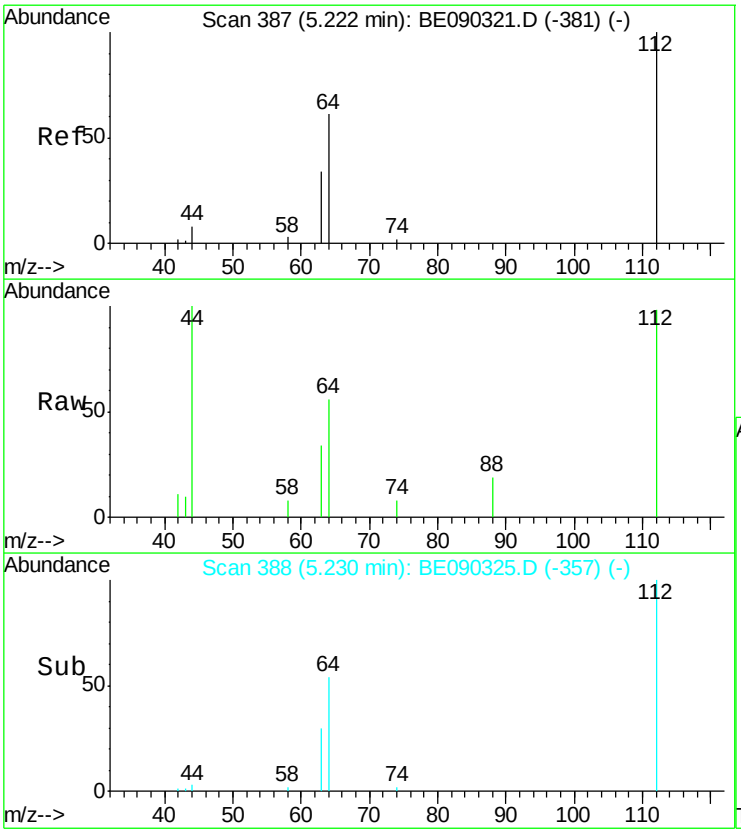
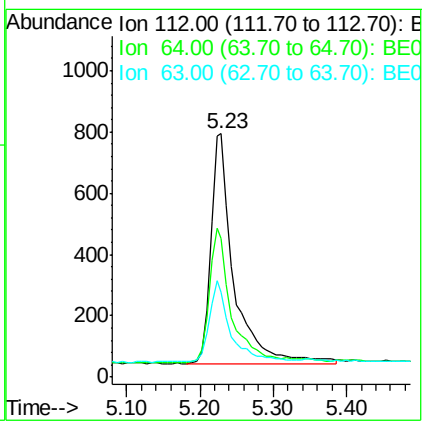
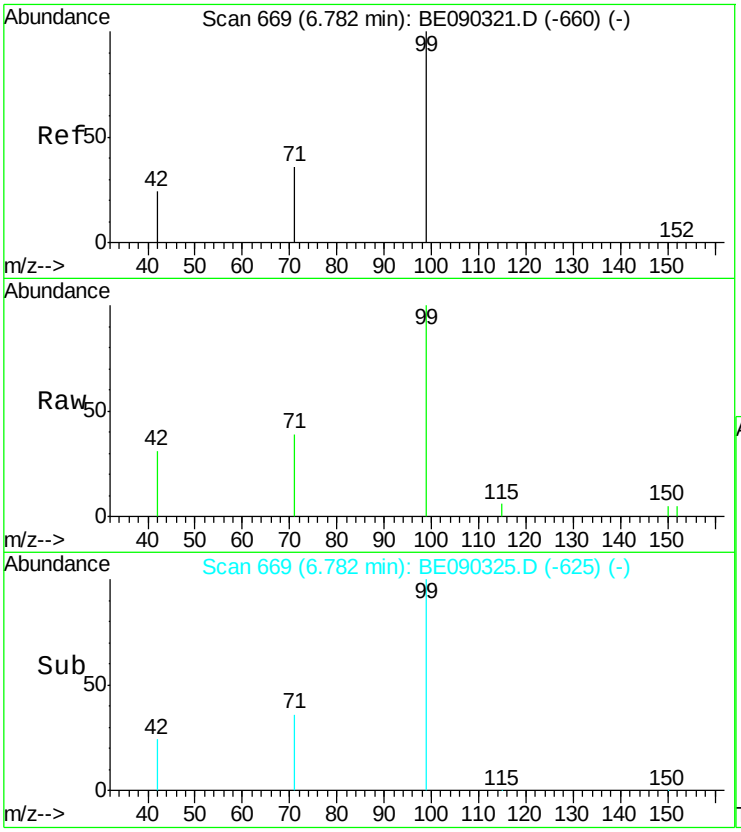


#4
2-Fluorophenol
Concen: 1.01 ng
RT: 5.23 min Scan# 388
Delta R.T. 0.01 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:112 Resp: 1637

Ion	Ratio	Lower	Upper
112	100		
64	56.8	49.0	73.4
63	32.6	27.7	41.5

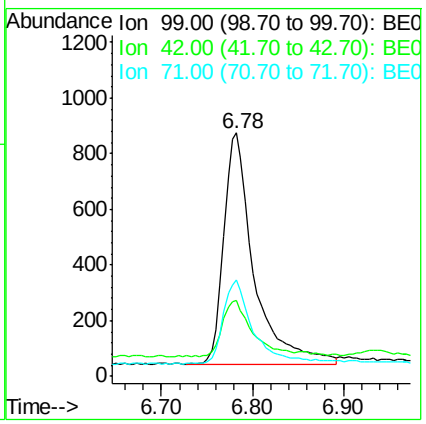




#5
Phenol-d6
Concen: 0.95 ng
RT: 6.78 min Scan# 669
Delta R.T. 0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion: 99 Resp: 1893

Ion	Ratio	Lower	Upper
99	100		
42	24.1	22.2	33.2
71	36.2	29.2	43.8



Instrument :
BNA_E
ClientSampleId :
ICVBE080315

Manual Integrations APPROVED
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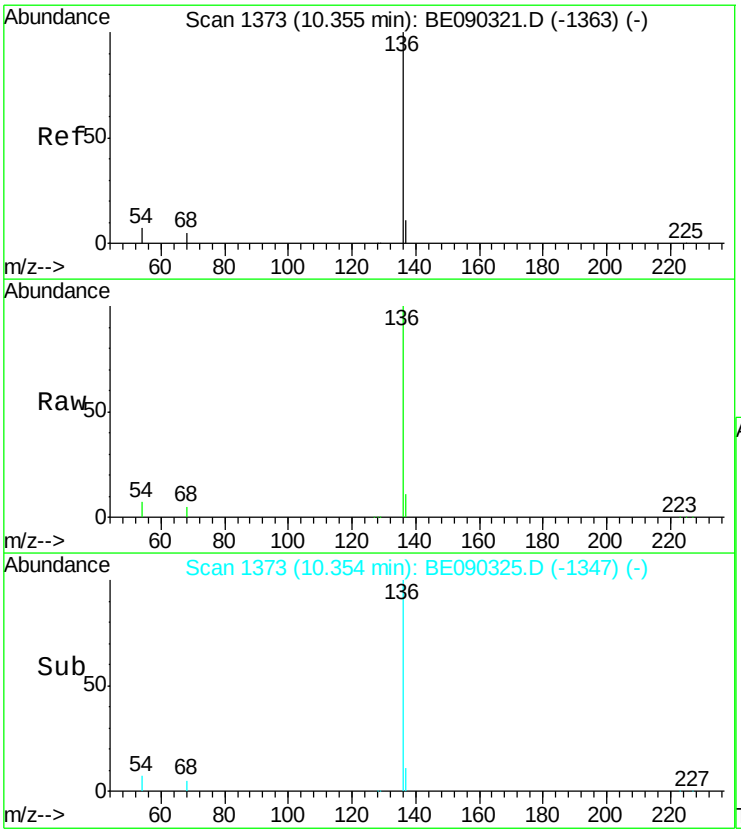
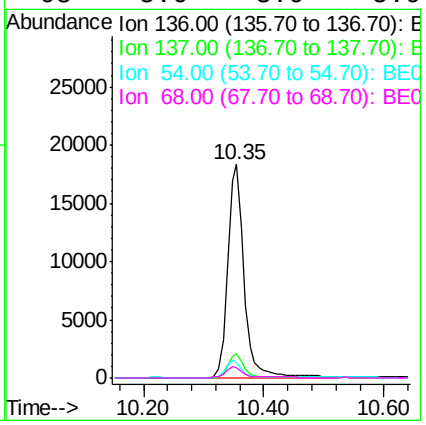
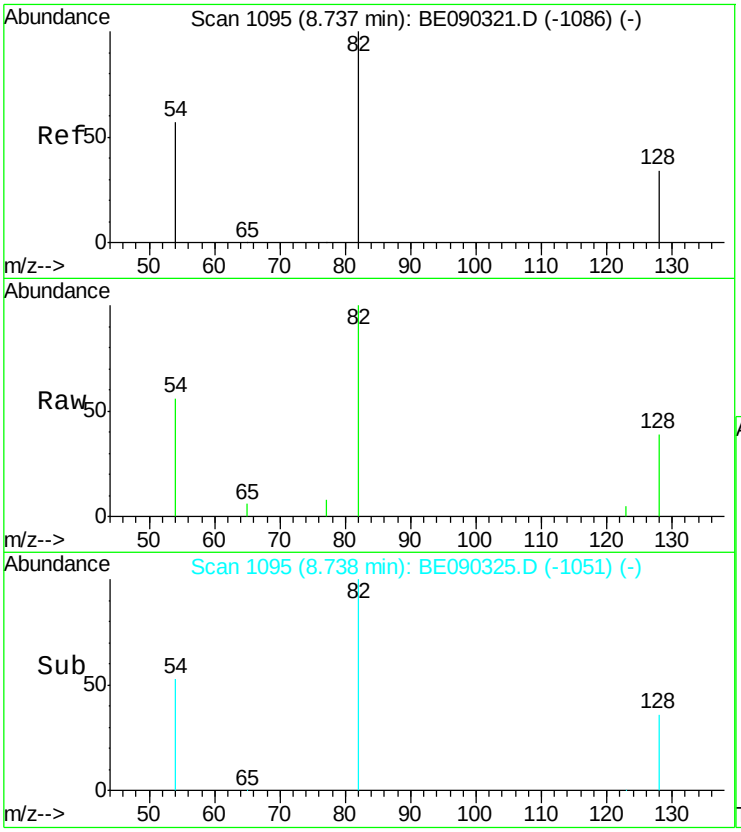


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.35 min Scan# 1373
Delta R.T. -0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:136 Resp: 34342

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.3	6.0	9.0
68	5.0	3.9	5.9

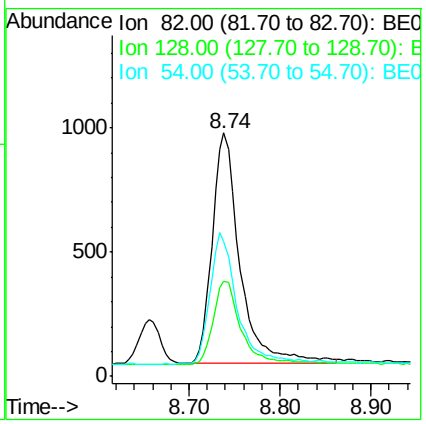




#7
Nitrobenzene-d5
Concen: 0.97 ng
RT: 8.74 min Scan# 1095
Delta R.T. 0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion: 82 Resp: 1967

Ion	Ratio	Lower	Upper
82	100		
128	38.9	30.8	46.2
54	55.6	47.5	71.3



Instrument :
BNA_E
ClientSampleId :
ICVBE080315

Manual Integrations APPROVED
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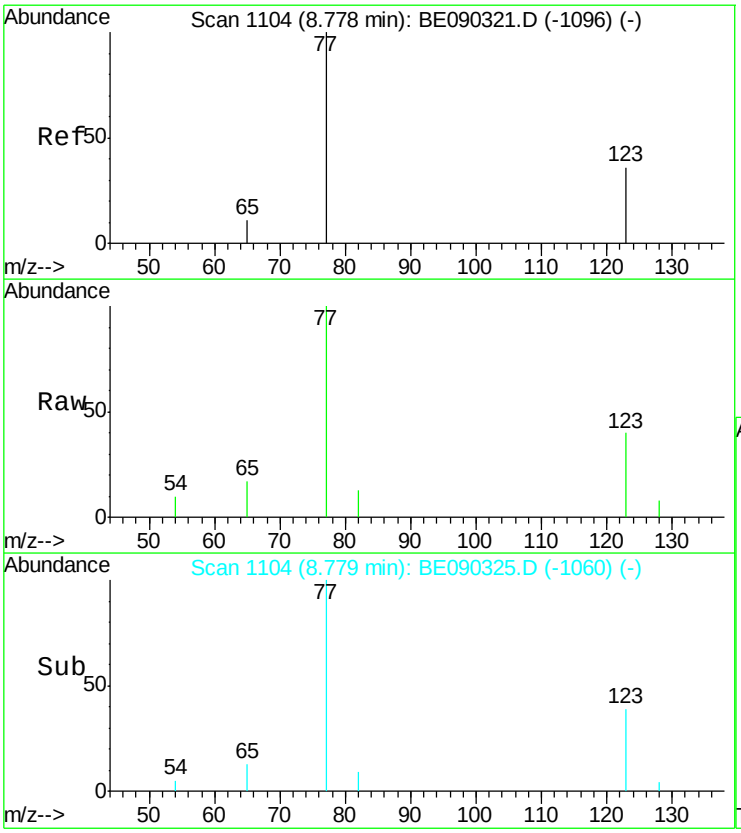
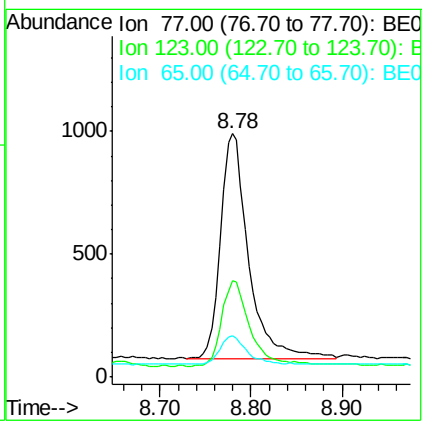
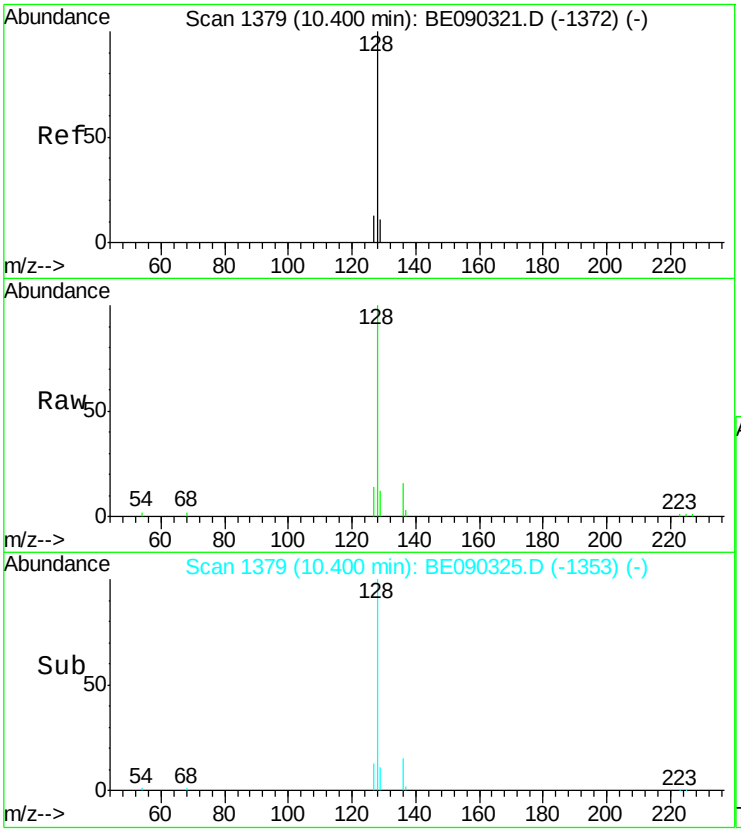


#8
Nitrobenzene
Concen: 0.93 ng
RT: 8.78 min Scan# 1104
Delta R.T. 0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion: 77 Resp: 1953

Ion	Ratio	Lower	Upper
77	100		
123	39.0	29.6	44.4
65	12.5	10.4	15.6

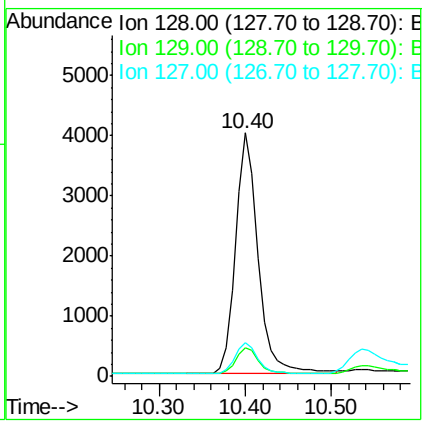




#9
Naphthalene
Concen: 1.00 ng
RT: 10.40 min Scan# 1379
Delta R.T. -0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:128 Resp: 7346

Ion	Ratio	Lower	Upper
128	100		
129	11.8	10.1	15.1
127	14.1	11.3	16.9



Instrument :
BNA_E
ClientSampleId :
ICVBE080315

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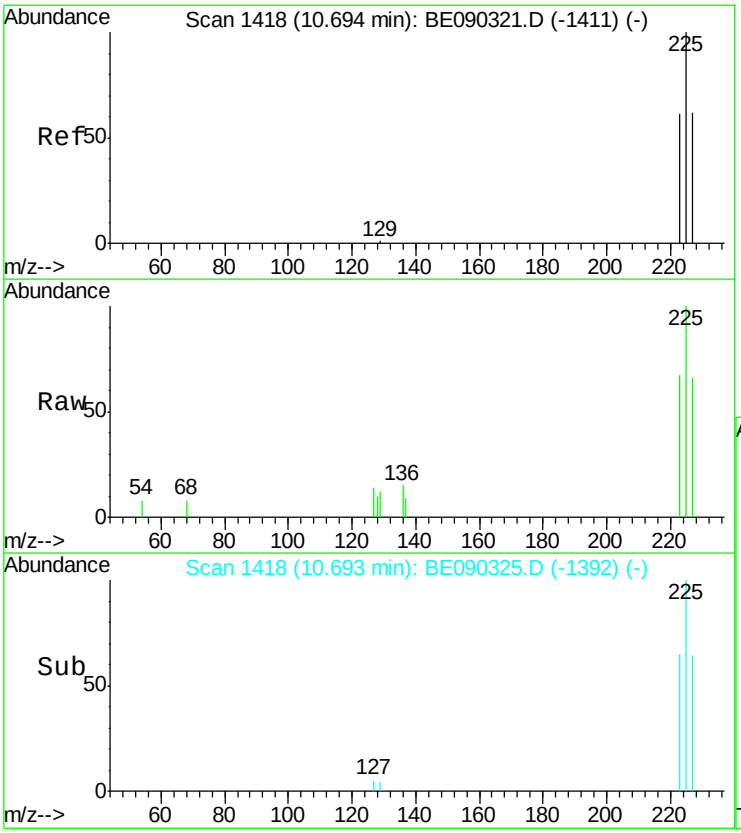
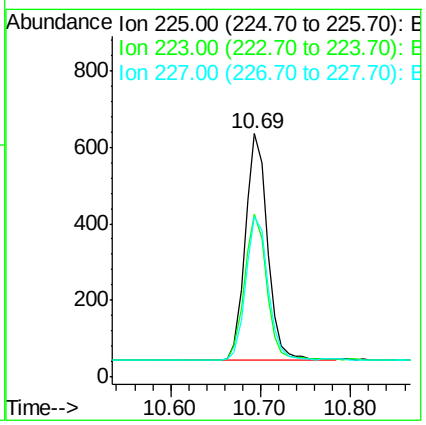
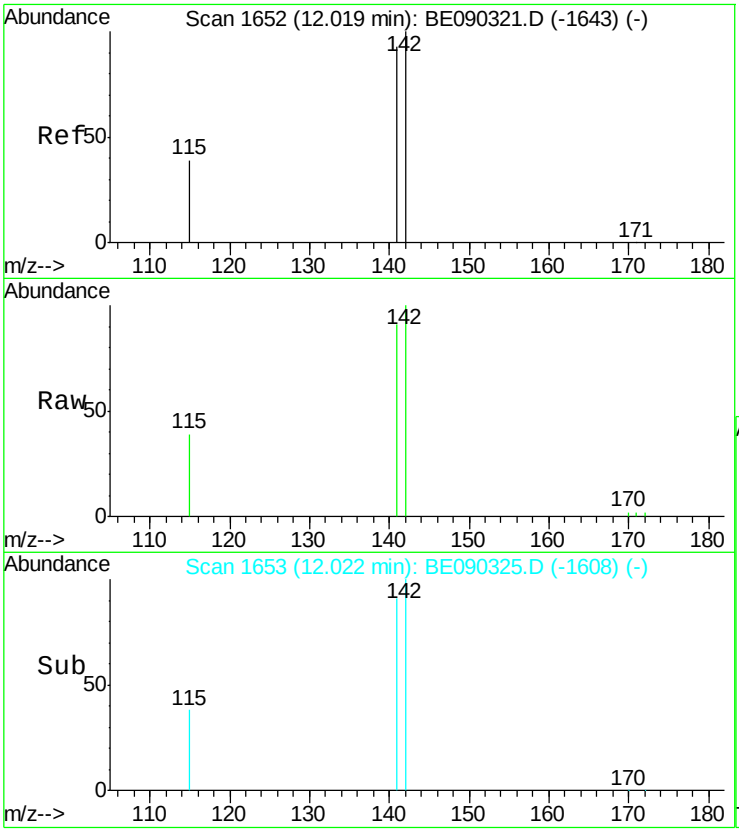


#10
Hexachlorobutadiene
Concen: 1.02 ng
RT: 10.69 min Scan# 1418
Delta R.T. -0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:225 Resp: 1012

Ion	Ratio	Lower	Upper
225	100		
223	65.1	50.4	75.6
227	63.6	49.6	74.4

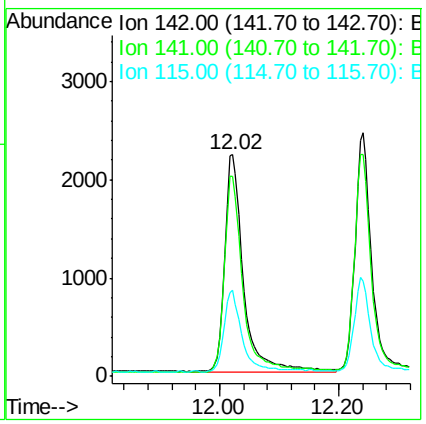




#11
2-Methylnaphthalene
Concen: 1.05 ng
RT: 12.02 min Scan# 1653
Delta R.T. 0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:142 Resp: 4773

Ion	Ratio	Lower	Upper
142	100		
141	90.7	74.6	112.0
115	39.0	32.6	49.0



Instrument :
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ClientSampleId :
ICVBE080315

Manual Integrations APPROVED
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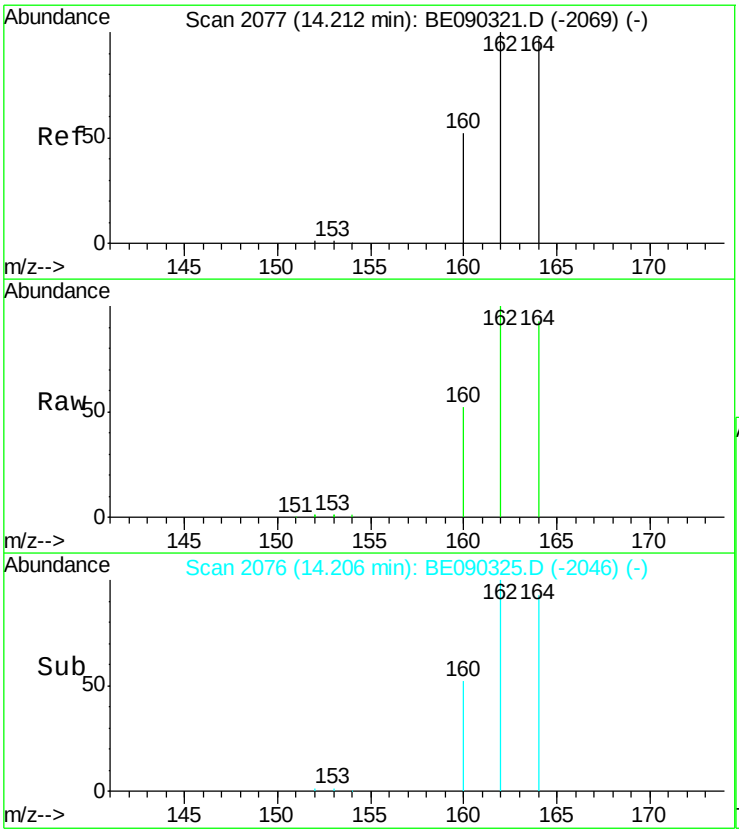
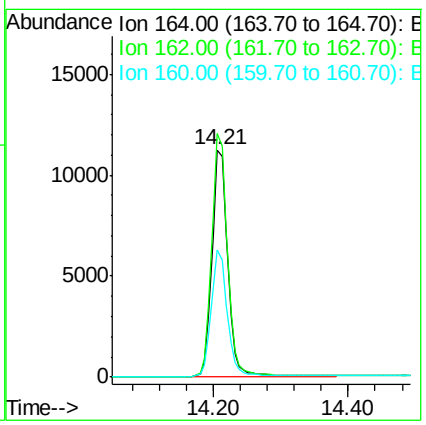
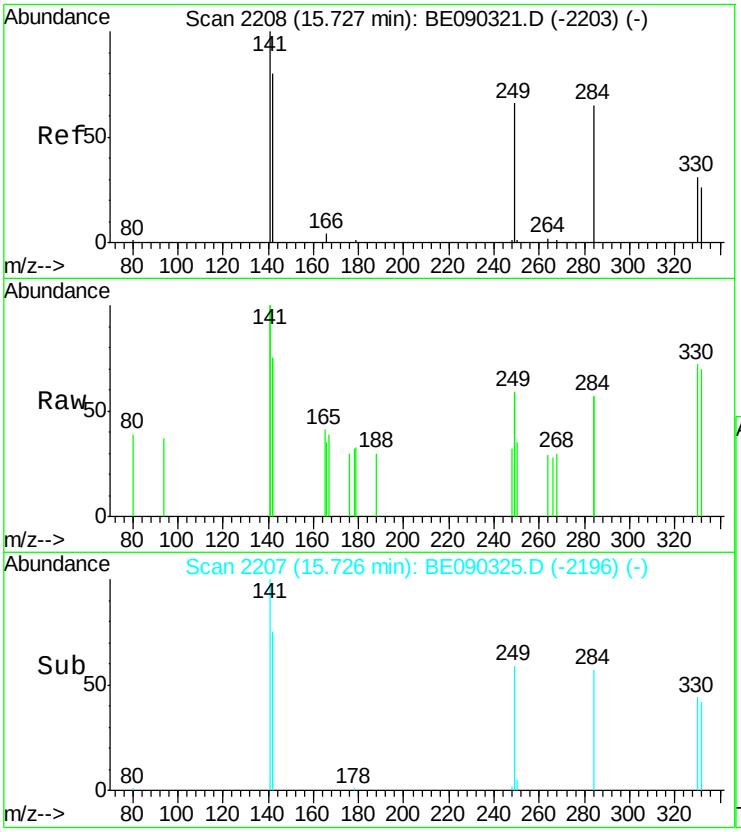


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.21 min Scan# 2076
Delta R.T. -0.01 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:164 Resp: 17924

Ion	Ratio	Lower	Upper
164	100		
162	107.2	82.7	124.1
160	55.8	43.0	64.6

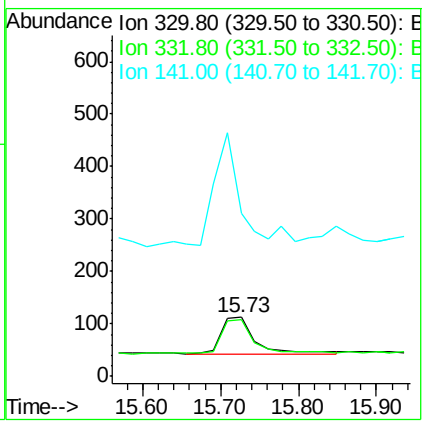




#13
2,4,6-Tribromophenol
Concen: 1.02 ng
RT: 15.73 min Scan# 2207
Delta R.T. -0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:330 Resp: 211

Ion	Ratio	Lower	Upper
330	100		
332	93.8	79.4	119.0
141	227.5	245.9	368.9#



Instrument :
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ICVBE080315

Manual Integrations APPROVED
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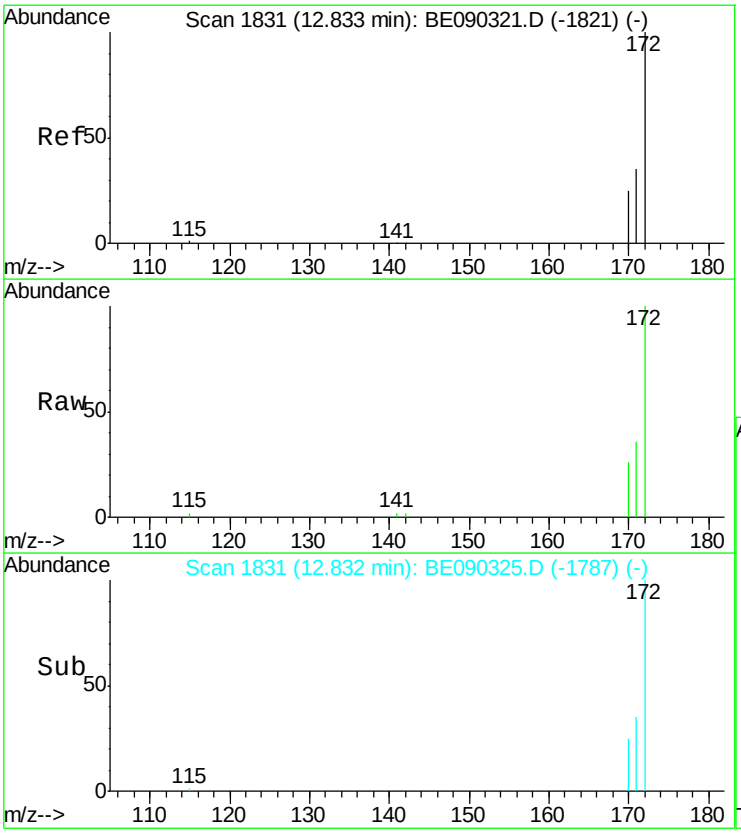
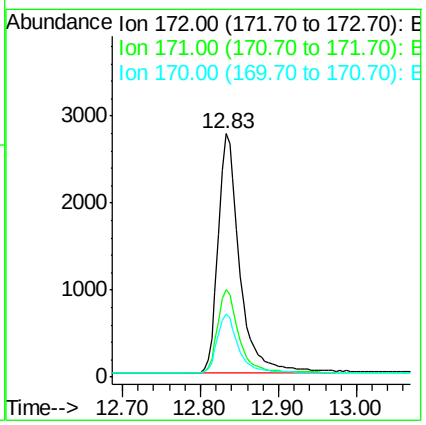
8/4/2015 3:27:03 PM

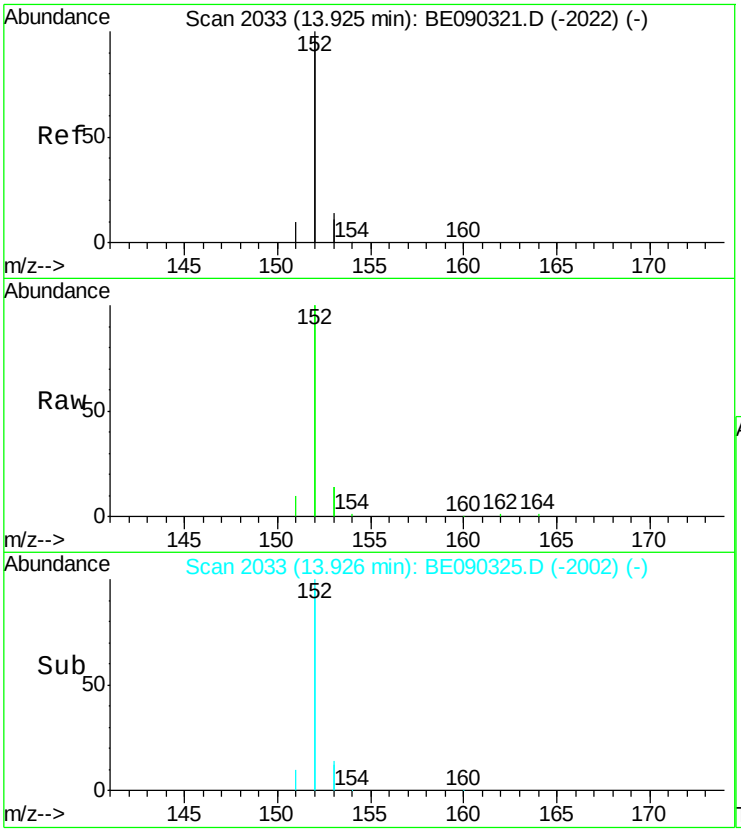


#14
2-Fluorobiphenyl
Concen: 1.02 ng
RT: 12.83 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:172 Resp: 5325

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.5	44.3
170	26.1	21.3	31.9

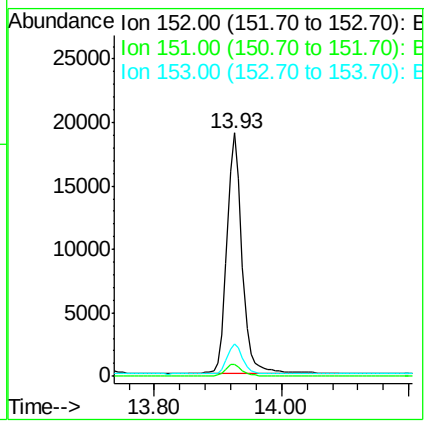




#15
Acenaphthylene
Concen: 1.01 ng
RT: 13.93 min Scan# 2033
Delta R.T. 0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:152 Resp: 31737

Ion	Ratio	Lower	Upper
152	100		
151	4.9	4.0	6.0
153	12.9	10.2	15.4



Instrument :
BNA_E
ClientSampleId :
ICVBE080315

Manual Integrations APPROVED
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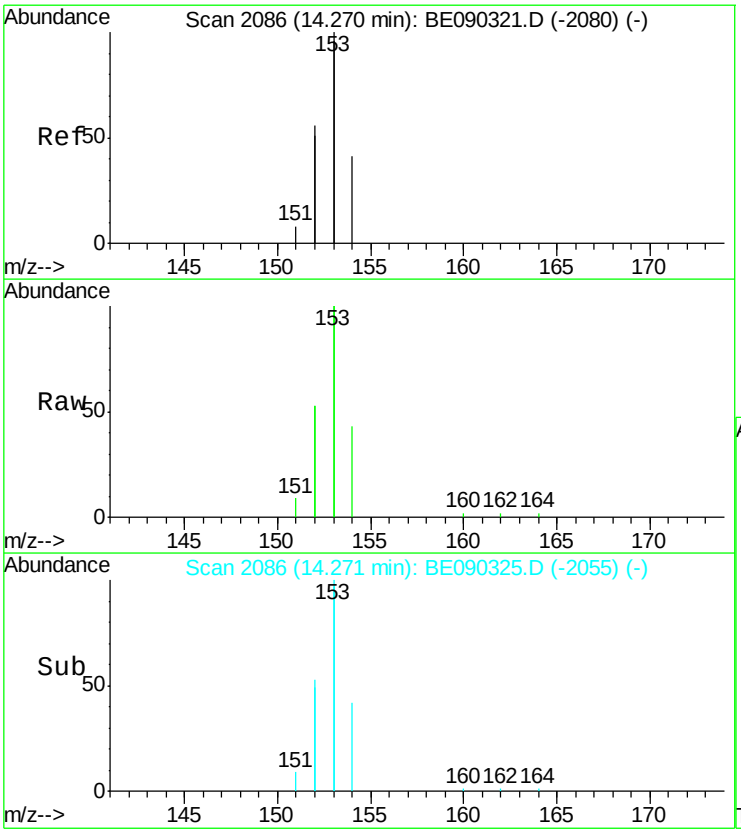
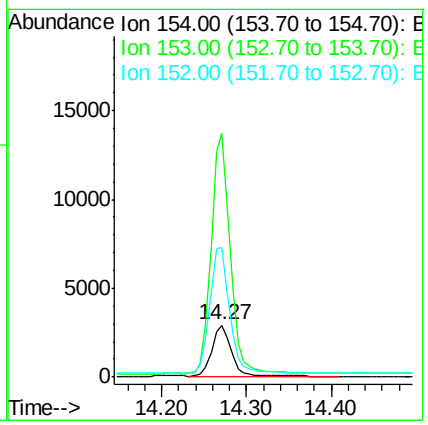
8/4/2015 3:27:03 PM

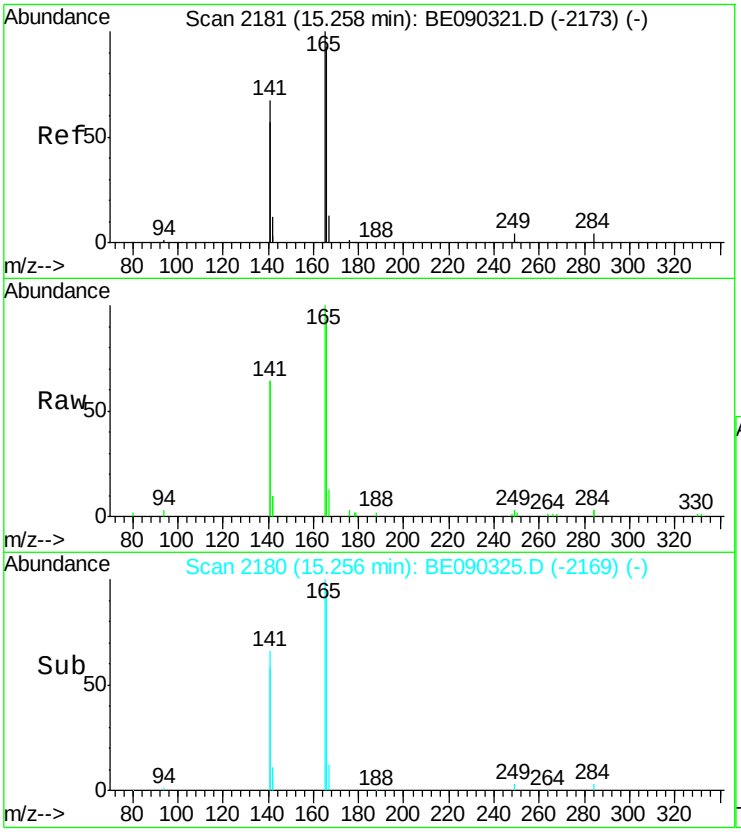


#16
Acenaphthene
Concen: 0.99 ng
RT: 14.27 min Scan# 2086
Delta R.T. 0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:154 Resp: 4471

Ion	Ratio	Lower	Upper
154	100		
153	477.0	378.0	567.0
152	261.8	212.7	319.1

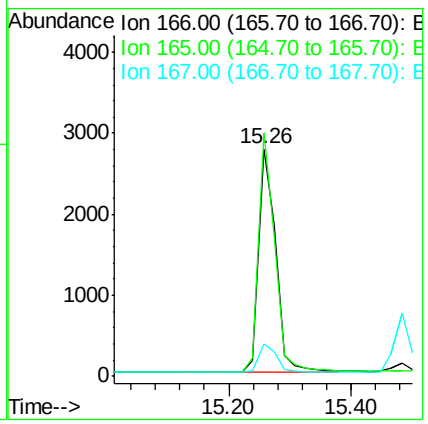




#17
Fluorene
Concen: 0.98 ng
RT: 15.26 min Scan# 2180
Delta R.T. -0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:166 Resp: 5387

Ion	Ratio	Lower	Upper
166	100		
165	102.5	82.6	123.8
167	14.7	11.8	17.8



Instrument :
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ClientSampleId :
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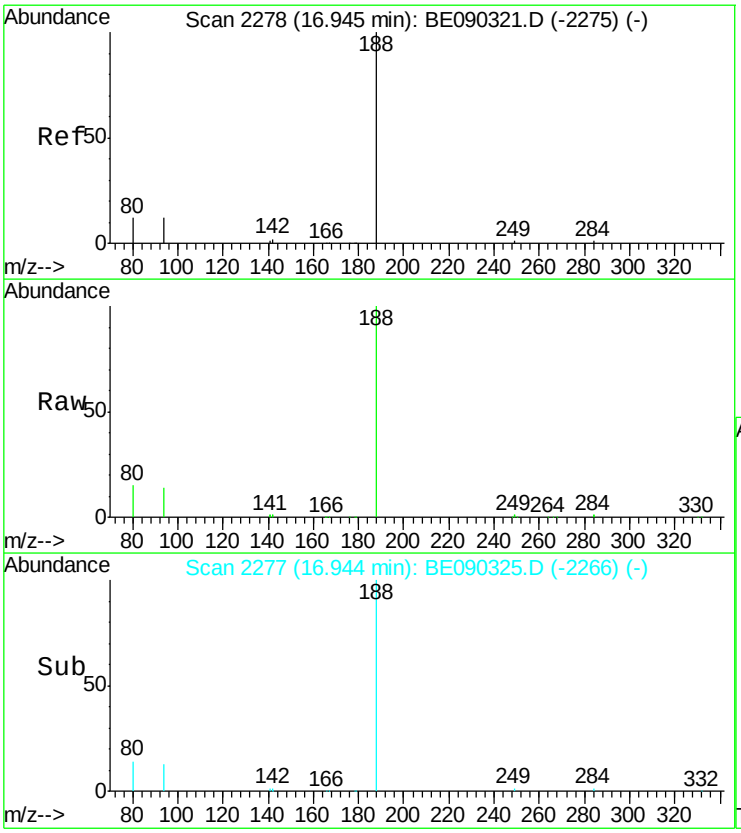
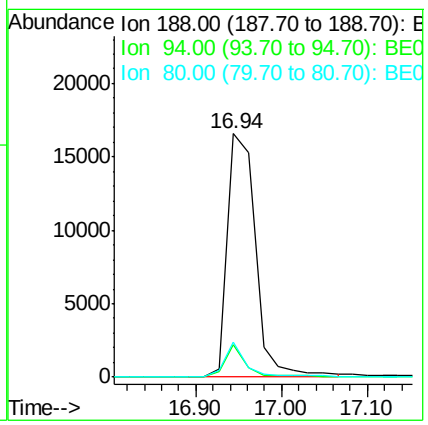
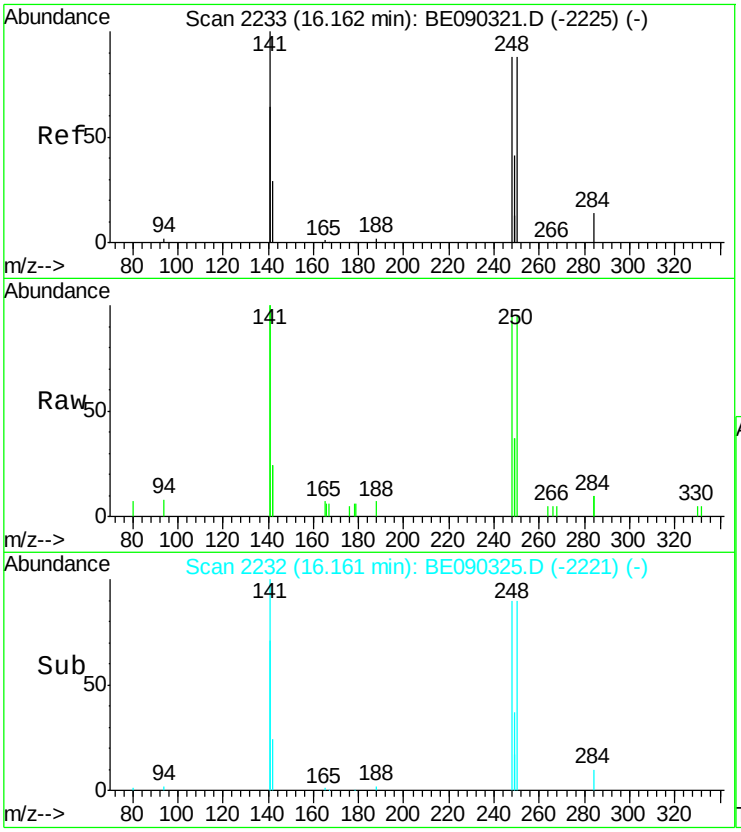


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. -0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:188 Resp: 37503

Ion	Ratio	Lower	Upper
188	100		
94	13.5	9.5	14.3
80	14.5	10.0	15.0

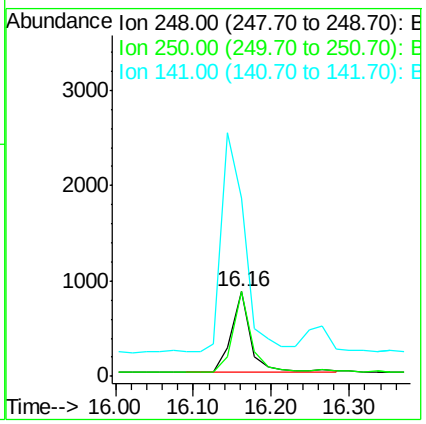




#19
4-Bromophenyl-phenylether
Concen: 1.04 ng
RT: 16.16 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:248 Resp: 1461

Ion	Ratio	Lower	Upper
248	100		
250	95.0	74.0	111.0
141	329.6	258.9	388.3



Instrument :
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ClientSampleId :
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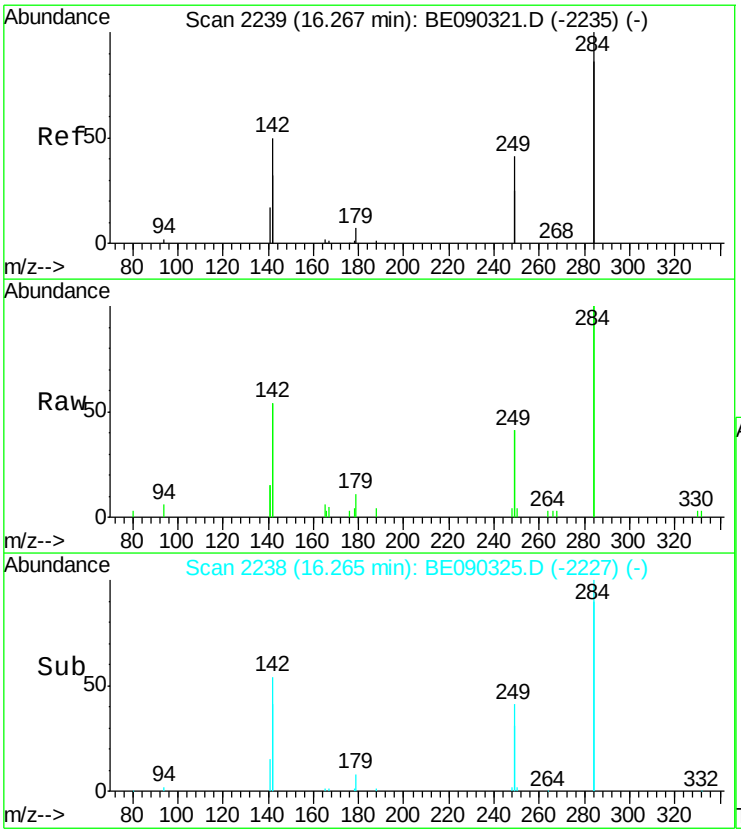
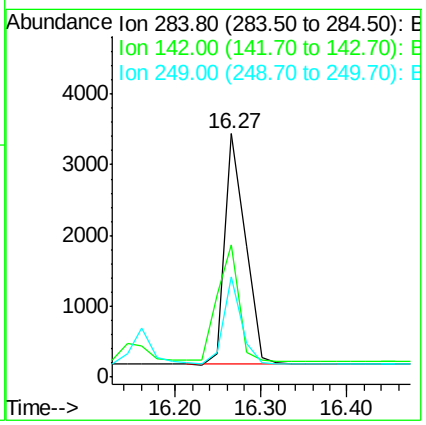
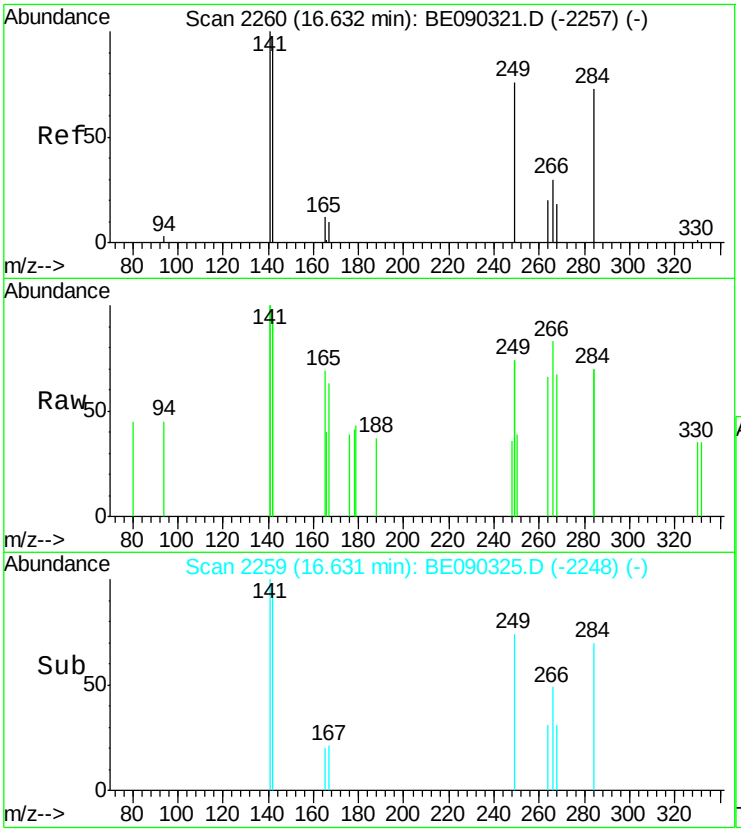


#20
Hexachlorobenzene
Concen: 1.03 ng
RT: 16.27 min Scan# 2238
Delta R.T. -0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:284 Resp: 5483

Ion	Ratio	Lower	Upper
284	100		
142	52.4	44.2	66.4
249	32.8	26.4	39.6

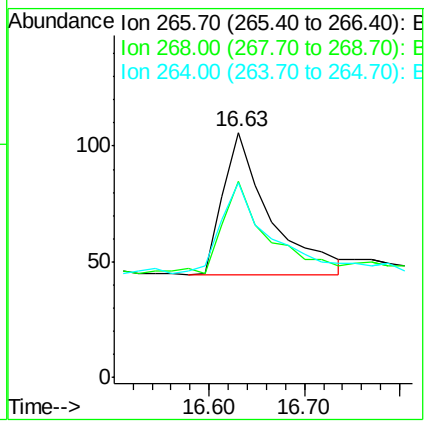




#21
Pentachlorophenol
Concen: 0.95 ng
RT: 16.63 min Scan# 2259
Delta R.T. -0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:266 Resp: 212

Ion	Ratio	Lower	Upper
266	100		
268	80.2	66.2	99.2
264	79.2	69.1	103.7



Instrument :
BNA_E
ClientSampleId :
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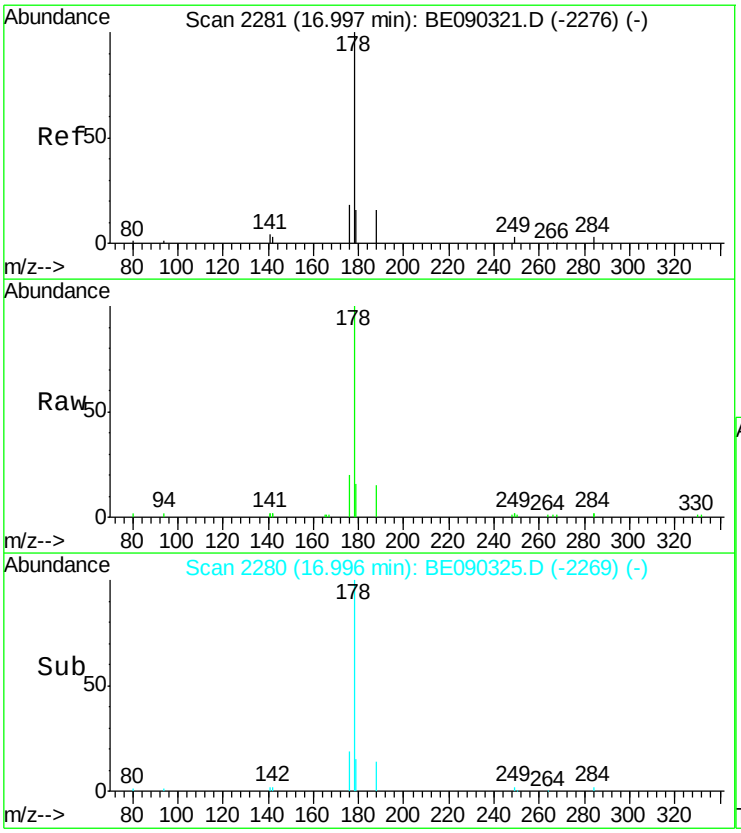
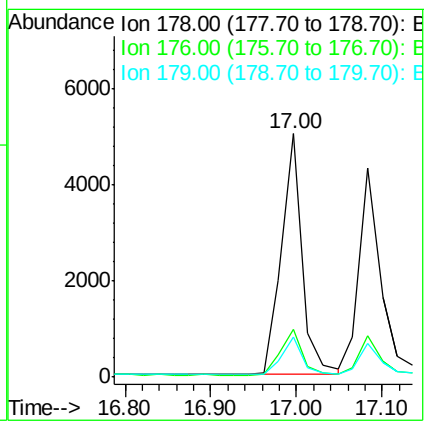
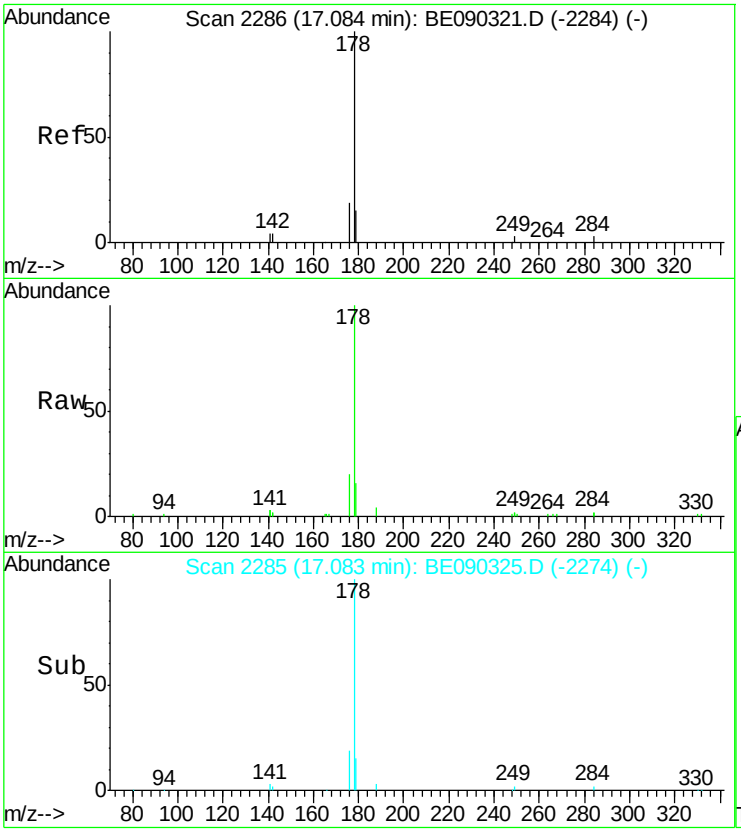


#22
Phenanthrene
Concen: 1.00 ng
RT: 17.00 min Scan# 2280
Delta R.T. -0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:178 Resp: 8540

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.5	23.3
179	15.8	12.6	18.8

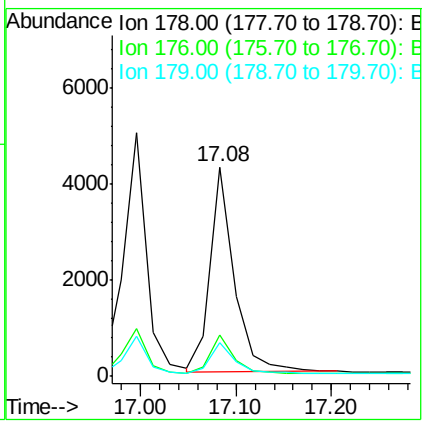




#23
Anthracene
Concen: 0.99 ng
RT: 17.08 min Scan# 2285
Delta R.T. -0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:178 Resp: 7524

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.2	12.1	18.1



Instrument :
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ClientSampleId :
ICVBE080315

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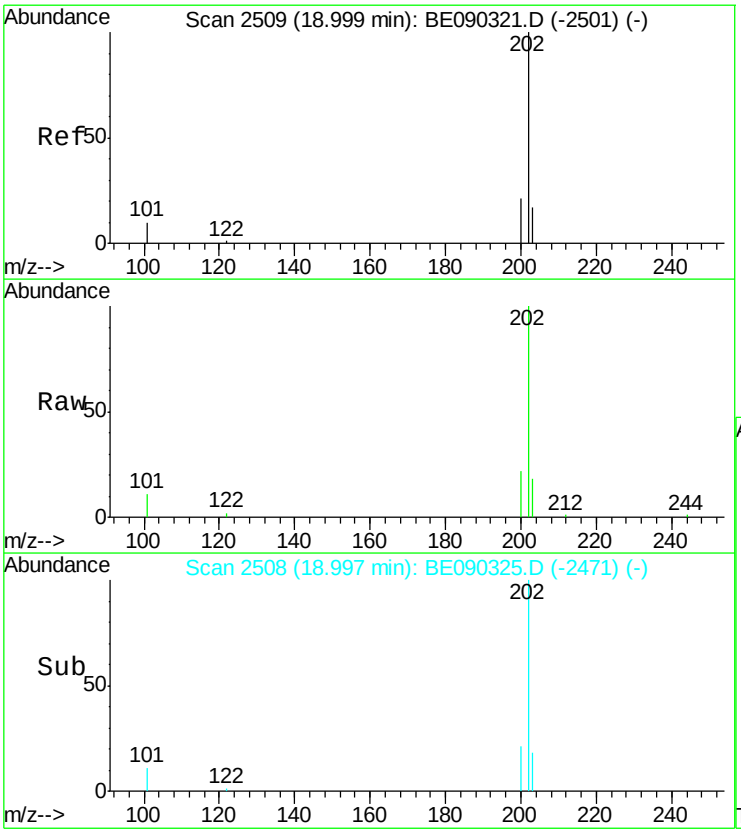
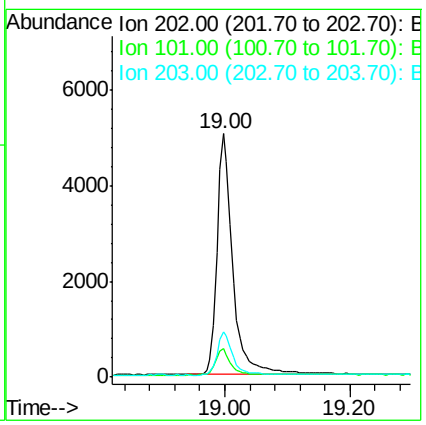
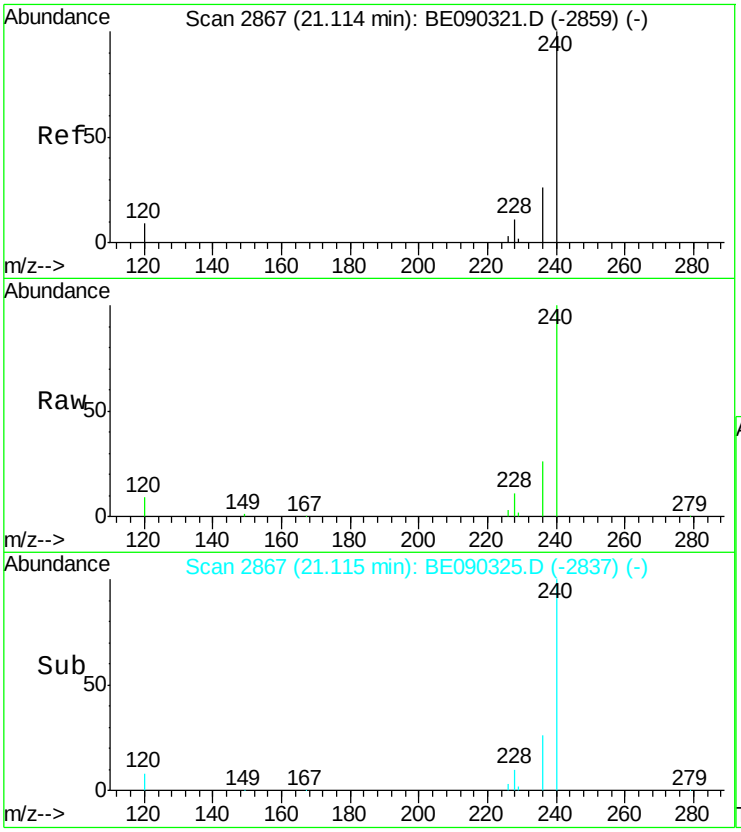


#24
Fluoranthene
Concen: 1.03 ng
RT: 19.00 min Scan# 2508
Delta R.T. -0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:202 Resp: 8877

Ion	Ratio	Lower	Upper
202	100		
101	10.6	8.3	12.5
203	17.3	13.8	20.8





#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.11 min Scan# 2867
Delta R.T. 0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:240 Resp: 31857

Ion	Ratio	Lower	Upper
240	100		
120	8.7	7.5	11.3
236	25.8	21.0	31.4

Instrument :
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ClientSampleId :
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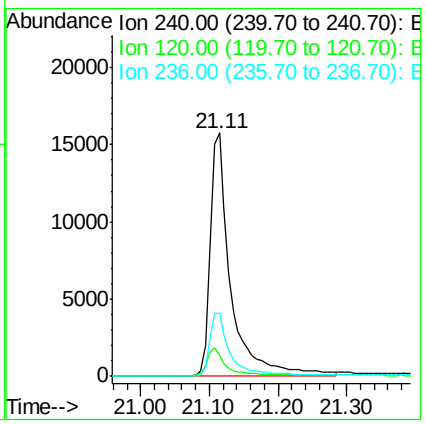
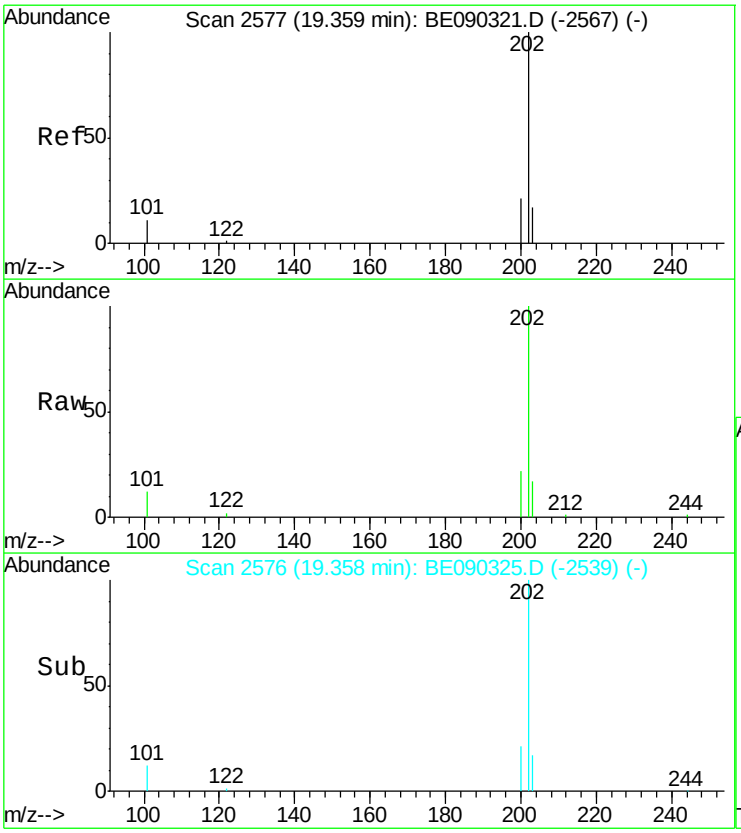
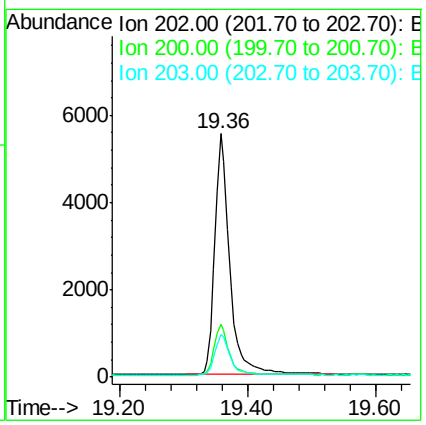


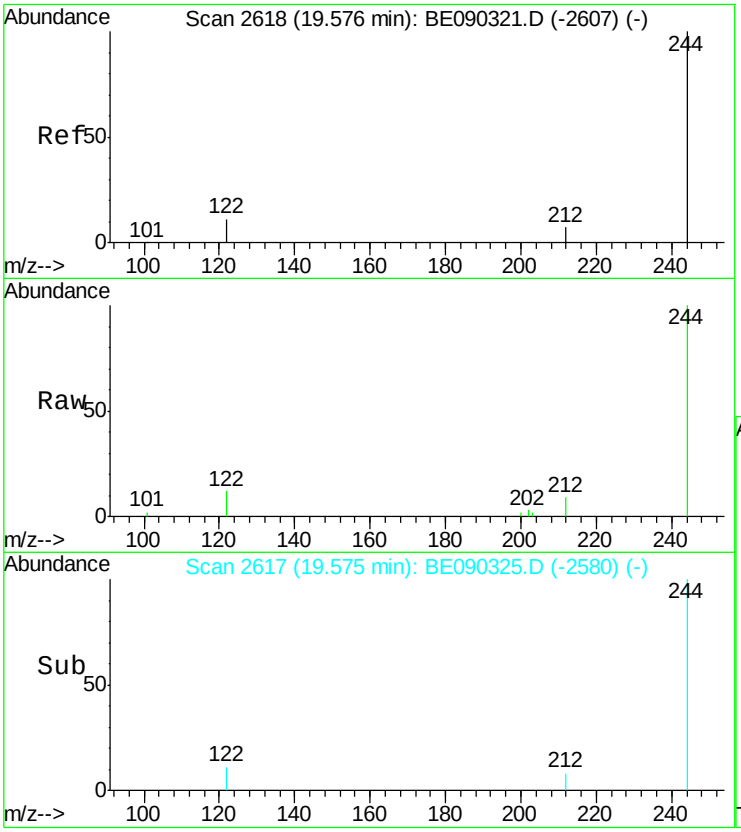


#26
Pyrene
Concen: 1.04 ng
RT: 19.36 min Scan# 2576
Delta R.T. -0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:202 Resp: 8955

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.6	24.8
203	17.1	13.8	20.6

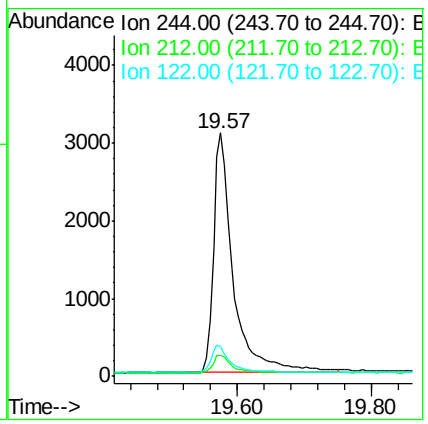




#27
Terphenyl-d14
Concen: 1.05 ng
RT: 19.57 min Scan# 2617
Delta R.T. -0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:244 Resp: 6265

Ion	Ratio	Lower	Upper
244	100		
212	8.8	7.4	11.2
122	12.4	10.4	15.6



Instrument :
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ClientSampleId :
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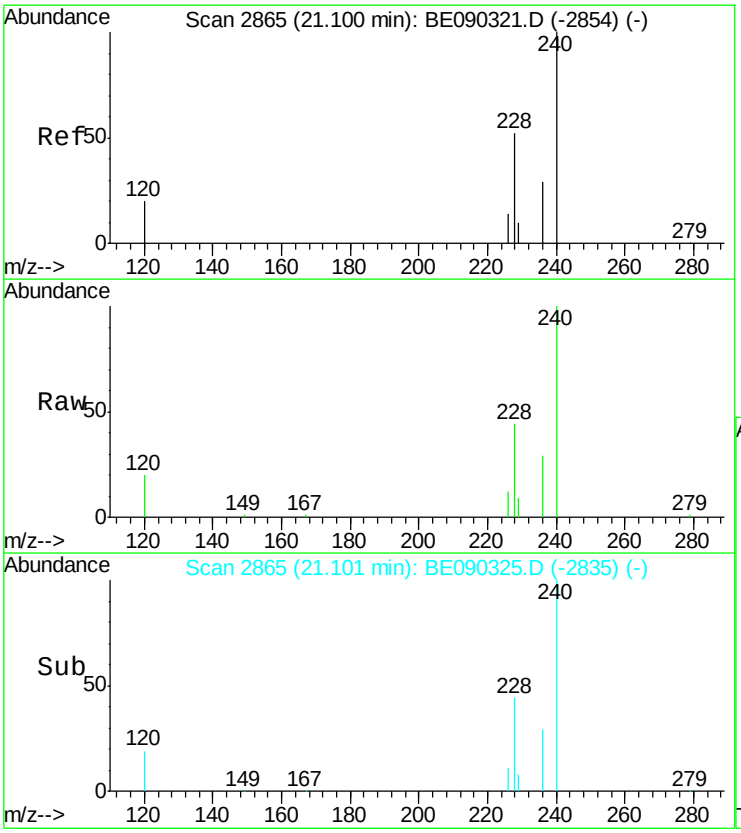
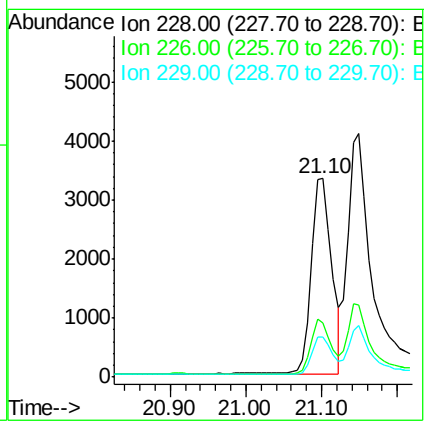
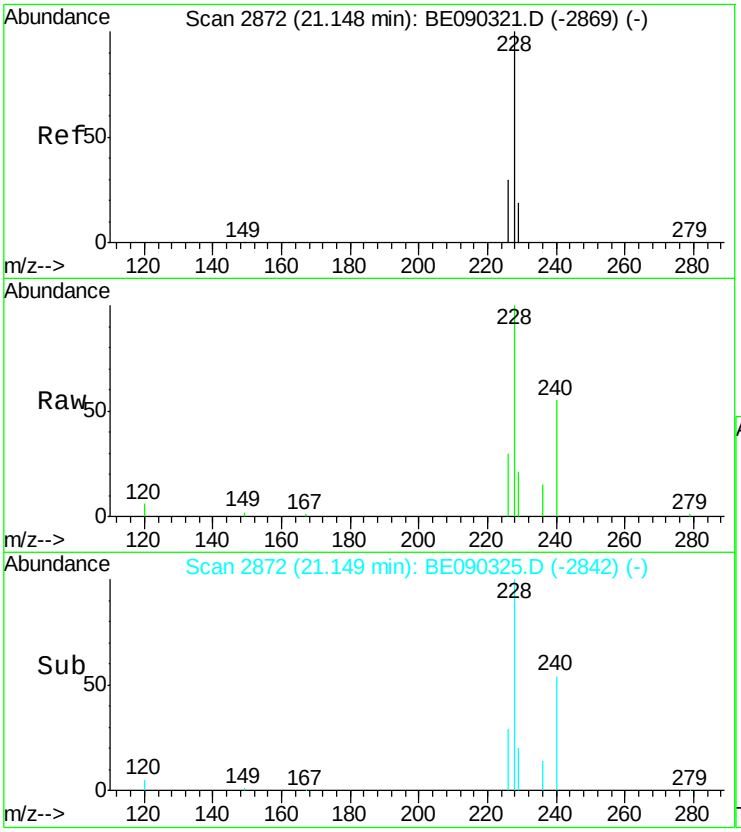


#28
Benzo(a)anthracene
Concen: 1.03 ng
RT: 21.10 min Scan# 2865
Delta R.T. 0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:228 Resp: 6253

Ion	Ratio	Lower	Upper
228	100		
226	27.6	23.0	34.4
229	20.4	17.4	26.2





#29
Chrysene
Concen: 1.22 ng
RT: 21.15 min Scan# 2872
Delta R.T. 0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:228 Resp: 9125

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.9	37.3
229	21.3	16.6	25.0

Instrument :
BNA_E
ClientSampleId :
ICVBE080315

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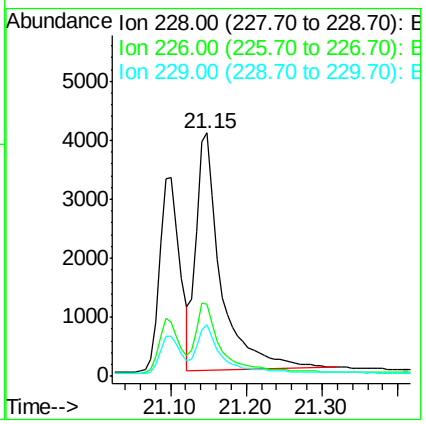
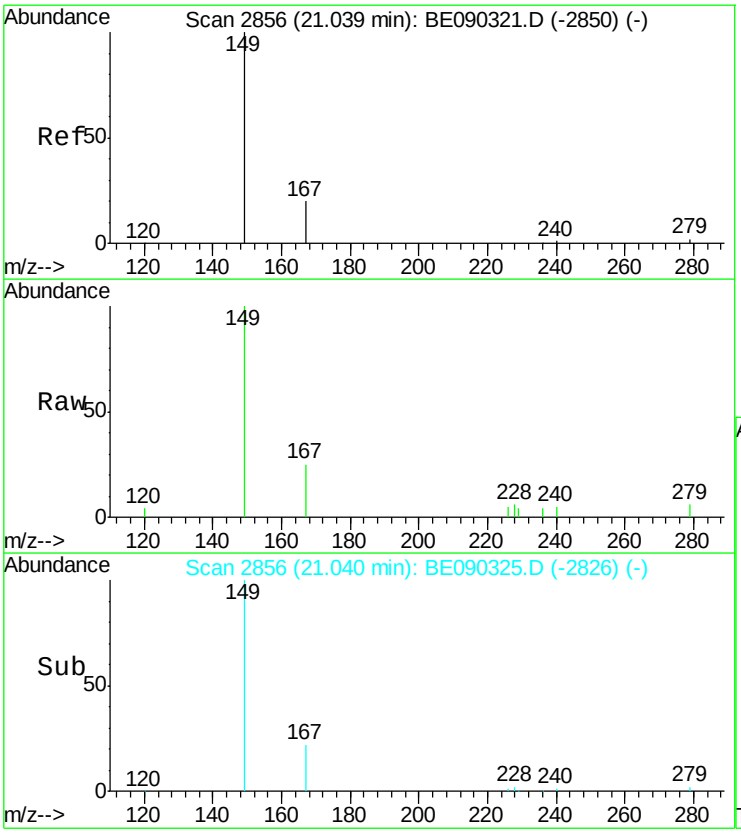
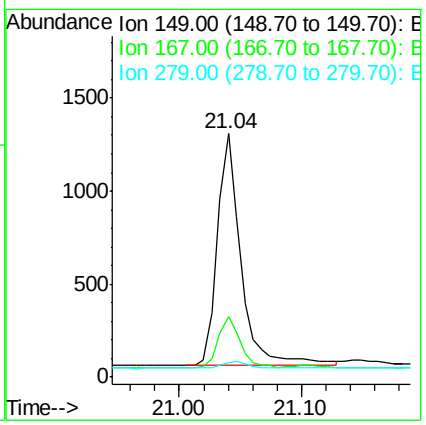


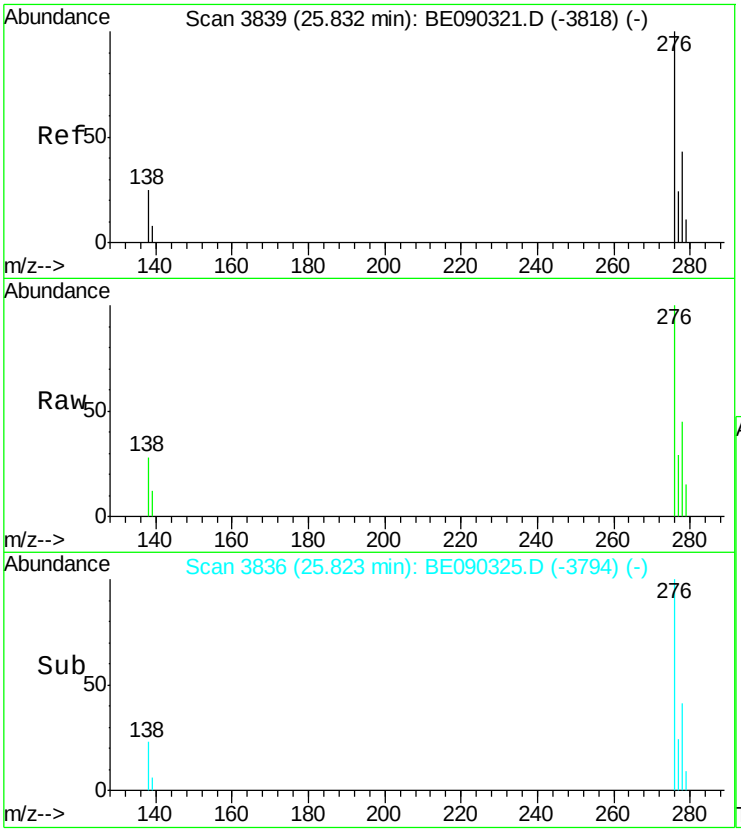


#30
Bis(2-ethylhexyl)phthalate
Concen: 0.94 ng
RT: 21.04 min Scan# 2856
Delta R.T. 0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:149 Resp: 1670

Ion	Ratio	Lower	Upper
149	100		
167	21.6	16.6	24.8
279	3.1	2.7	4.1





#31
Indeno(1,2,3-cd)pyrene
Concen: 1.36 ng
RT: 25.82 min Scan# 3836
Delta R.T. -0.01 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:276 Resp: 4563

Ion	Ratio	Lower	Upper
276	100		
138	7.3	10.6	16.0#
277	22.4	14.6	22.0#

Instrument :
BNA_E
ClientSampleId :
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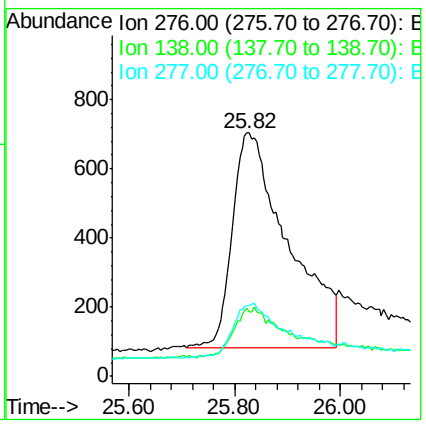
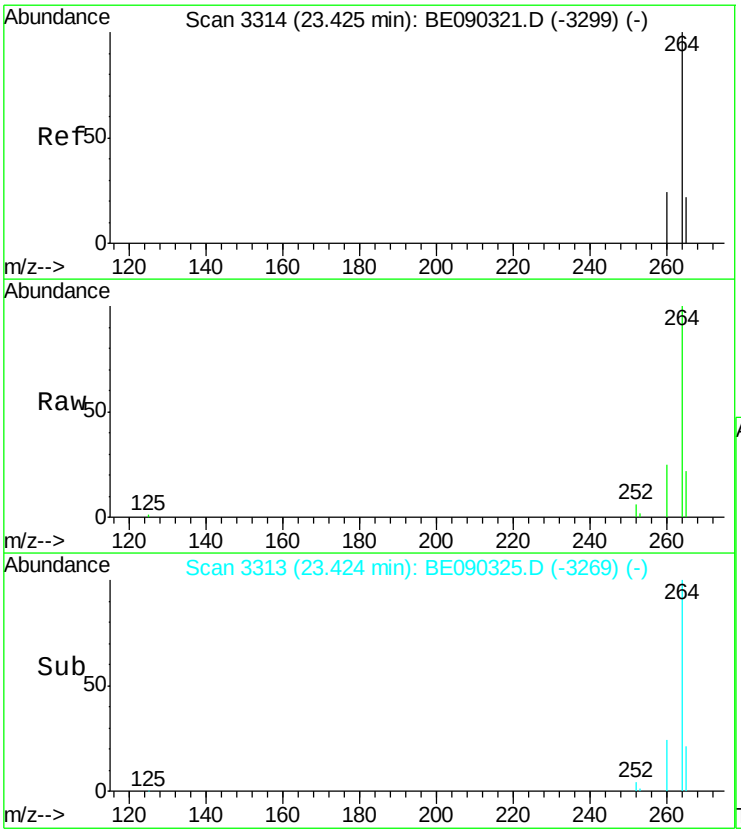
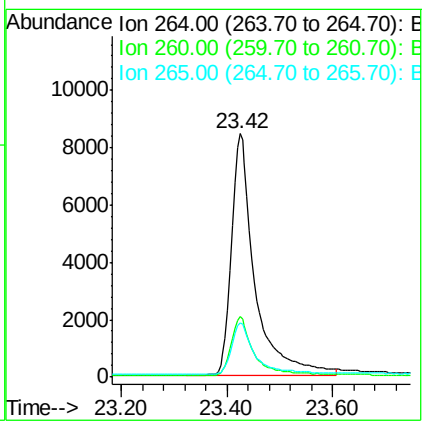


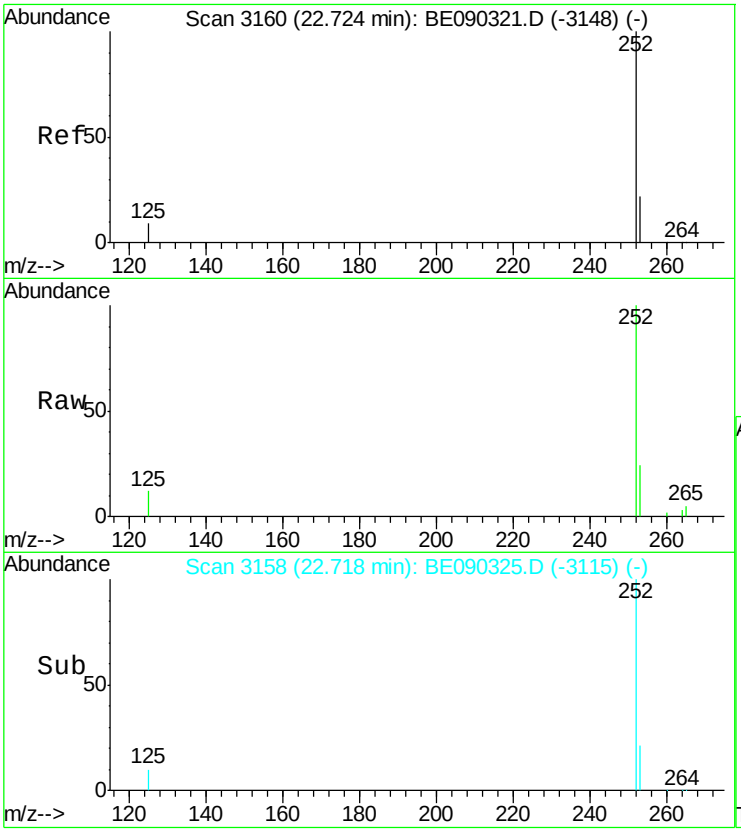


#32
Perylene-d12
Concen: 5.00 ng
RT: 23.42 min Scan# 3313
Delta R.T. -0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:264 Resp: 25877

Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.1	30.1
265	22.2	18.6	28.0

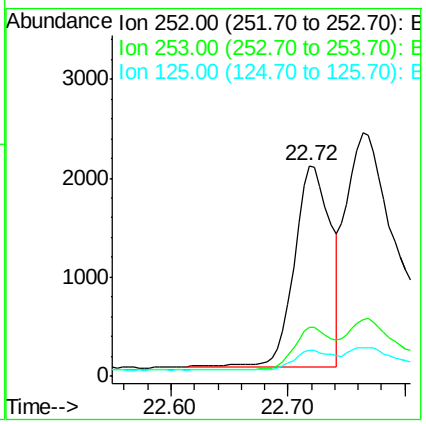




#33
Benzo(b)fluoranthene
Concen: 1.17 ng
RT: 22.72 min Scan# 3158
Delta R.T. -0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:252 Resp: 4403

Ion	Ratio	Lower	Upper
252	100		
253	23.6	21.5	32.3
125	12.3	11.8	17.8



Instrument :
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ClientSampleId :
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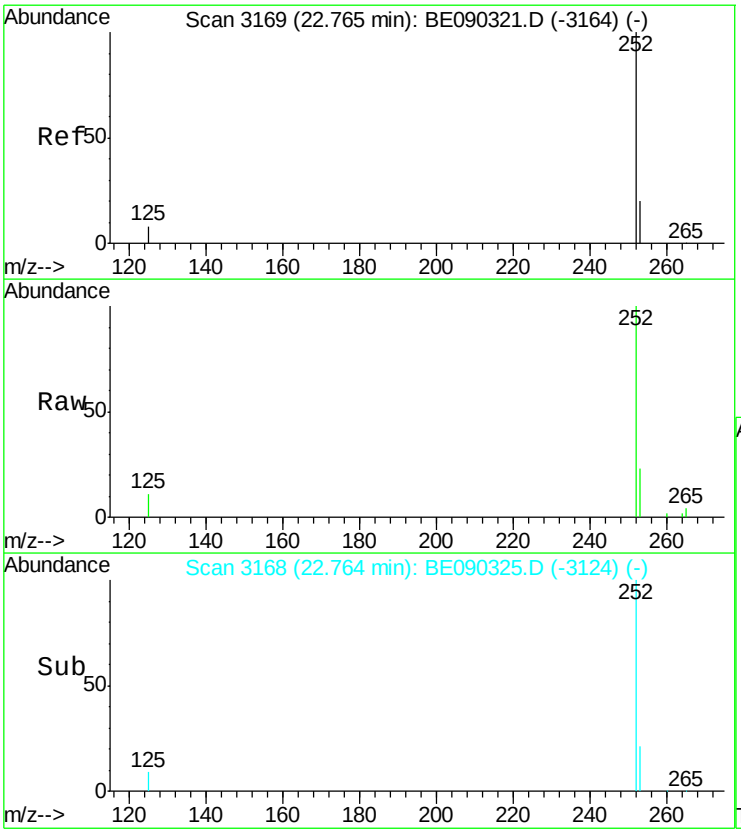
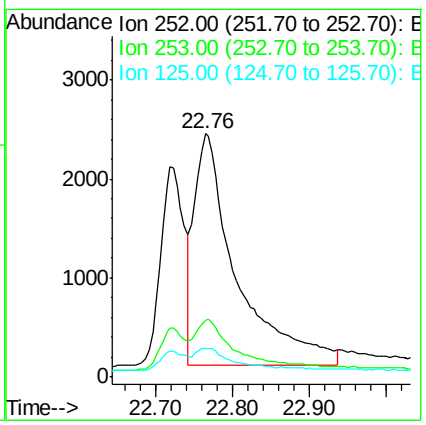
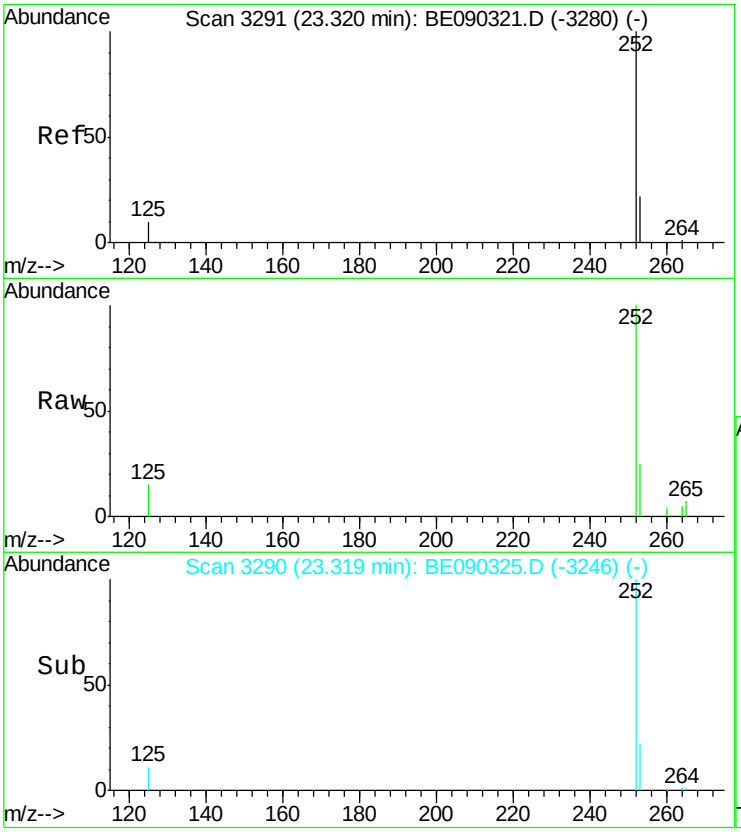


#34
Benzo(k)fluoranthene
Concen: 1.28 ng m
RT: 22.76 min Scan# 3168
Delta R.T. -0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:252 Resp: 8989

Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.9	29.9
125	11.5	11.2	16.8





#35
Benzo(a)pyrene
Concen: 1.19 ng
RT: 23.32 min Scan# 3290
Delta R.T. -0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:252 Resp: 4346

Ion	Ratio	Lower	Upper
252	100		
253	25.5	23.0	34.4
125	14.7	14.2	21.2

Instrument :
BNA_E
ClientSampleId :
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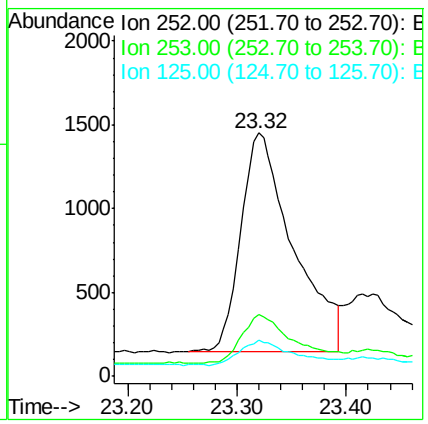
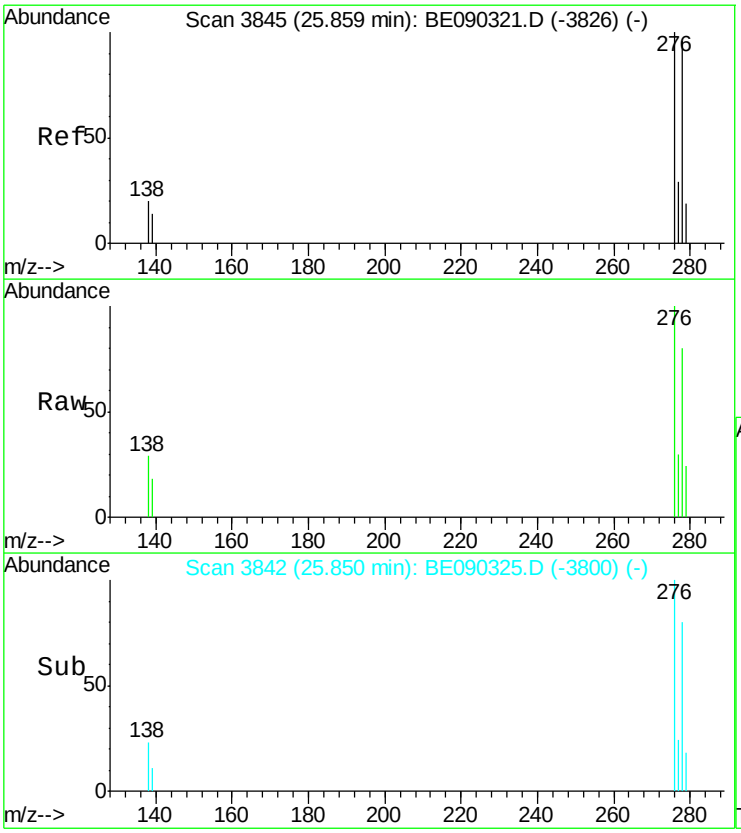
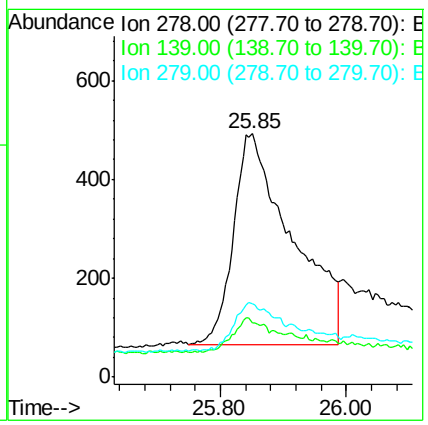


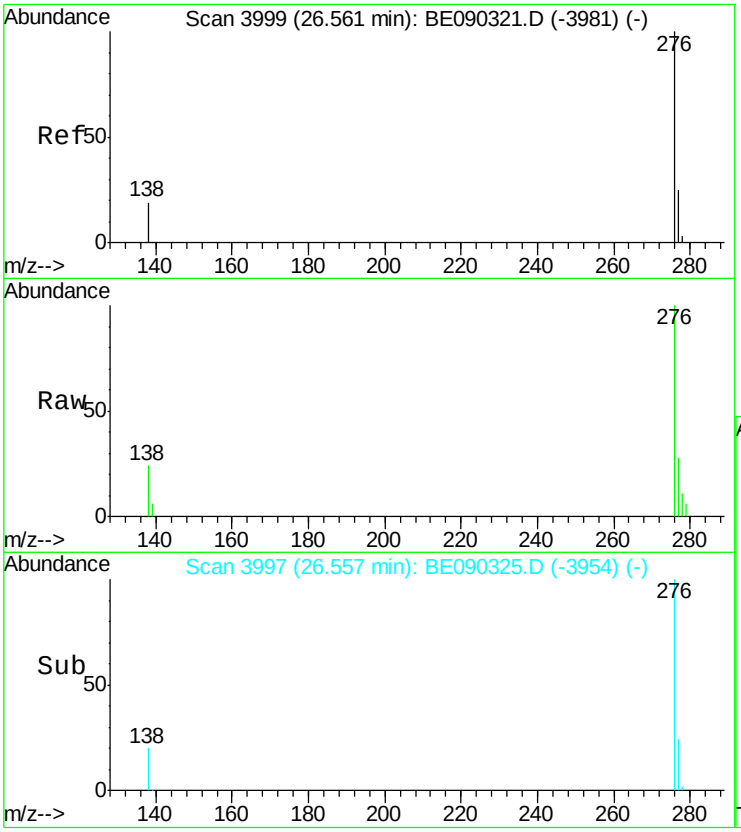


#36
Dibenzo(a,h)anthracene
Concen: 1.28 ng
RT: 25.85 min Scan# 3842
Delta R.T. -0.01 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:278 Resp: 2762

Ion	Ratio	Lower	Upper
278	100		
139	22.1	27.8	41.6#
279	30.2	30.9	46.3#

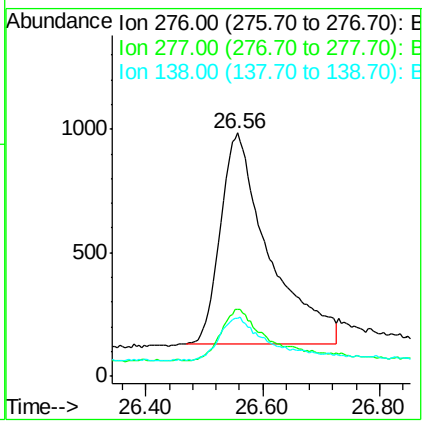




#37
Benzo(g,h,i)perylene
Concen: 1.22 ng
RT: 26.56 min Scan# 3997
Delta R.T. -0.00 min
Lab File: BE090325.D
Acq: 4 Aug 2015 00:51

Tgt Ion:276 Resp: 4916

Ion	Ratio	Lower	Upper
276	100		
277	27.6	25.6	38.4
138	23.9	22.0	33.0



Instrument :
BNA_E
ClientSampleId :
ICVBE080315

Manual Integrations APPROVED
MMDadoda
8/4/2015 3:27:03 PM