Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE090115\
Data File : BE090669.D
Acq On : 1 Sep 2015 16:53
Operator : UM/IZ
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
MMDadoda
9/2/2015 4:07:18 PM

Quant Time: Sep 02 11:44:26 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 02 01:28:15 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	53967	5.00	ng		0.00
6) Naphthalene-d8	10.31	136	230397	5.00	ng		0.00
12) Acenaphthene-d10	14.17	164	112608	5.00	ng		0.00
18) Phenanthrene-d10	16.91	188	267399	5.00	ng		0.00
25) Chrysene-d12	21.07	240	348542	5.00	ng		0.00
32) Perylene-d12	23.36	264	337878	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.18	112	1245	0.08	ng		0.00
5) Phenol-d6	6.76	99	1488	0.07	ng		0.00
7) Nitrobenzene-d5	8.72	82	1327	0.07	ng		0.01
13) 2,4,6-Tribromophenol	15.69	330	397	0.09	ng		0.02
14) 2-Fluorobiphenyl	12.81	172	3077	0.09	ng		0.00
27) Terphenyl-d14	19.54	244	4054	0.07	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.16	88	1125	0.16	ng	#	85
3) n-Nitrosodimethylamine	3.46	42	1380	0.15	ng	#	89
8) Nitrobenzene	8.76	77	1308	0.07	ng		96
9) Naphthalene	10.35	128	5270	0.10	ng	#	92
10) Hexachlorobutadiene	10.65	225	796	0.10	ng		97
11) 2-Methylnaphthalene	11.99	142	2566	0.08	ng	#	89
15) Acenaphthylene	13.89	152	17617	0.09	ng		99
16) Acenaphthene	14.23	154	2920	0.09	ng		96
17) Fluorene	15.24	166	3965	0.10	ng		97
19) 4-Bromophenyl-phenylether	16.13	248	894	0.08	ng		96
20) Hexachlorobenzene	16.23	284	4935	0.10	ng		93
22) Phenanthrene	16.96	178	6519m	0.09	ng		
23) Anthracene	17.05	178	5212	0.08	ng		98
24) Fluoranthene	18.97	202	7518	0.10	ng		99
26) Pyrene	19.33	202	7665	0.08	ng		99
28) Benzo(a)anthracene	21.06	228	8652	0.10	ng		99
29) Chrysene	21.11	228	9019	0.10	ng		98
30) Bis(2-ethylhexyl)phthalate	21.01	149	2550	0.05	ng		96
31) Indeno(1,2,3-cd)pyrene	25.74	276	7810	0.09	ng		98
33) Benzo(b)fluoranthene	22.67	252	6819	0.09	ng	#	89
34) Benzo(k)fluoranthene	22.72	252	7662	0.09	ng	#	85
35) Benzo(a)pyrene	23.26	252	6247	0.09	ng	#	86
36) Dibenzo(a,h)anthracene	25.75	278	5476	0.08	ng	#	83
37) Benzo(g,h,i)perylene	26.46	276	6918	0.09	ng	#	87

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

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Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
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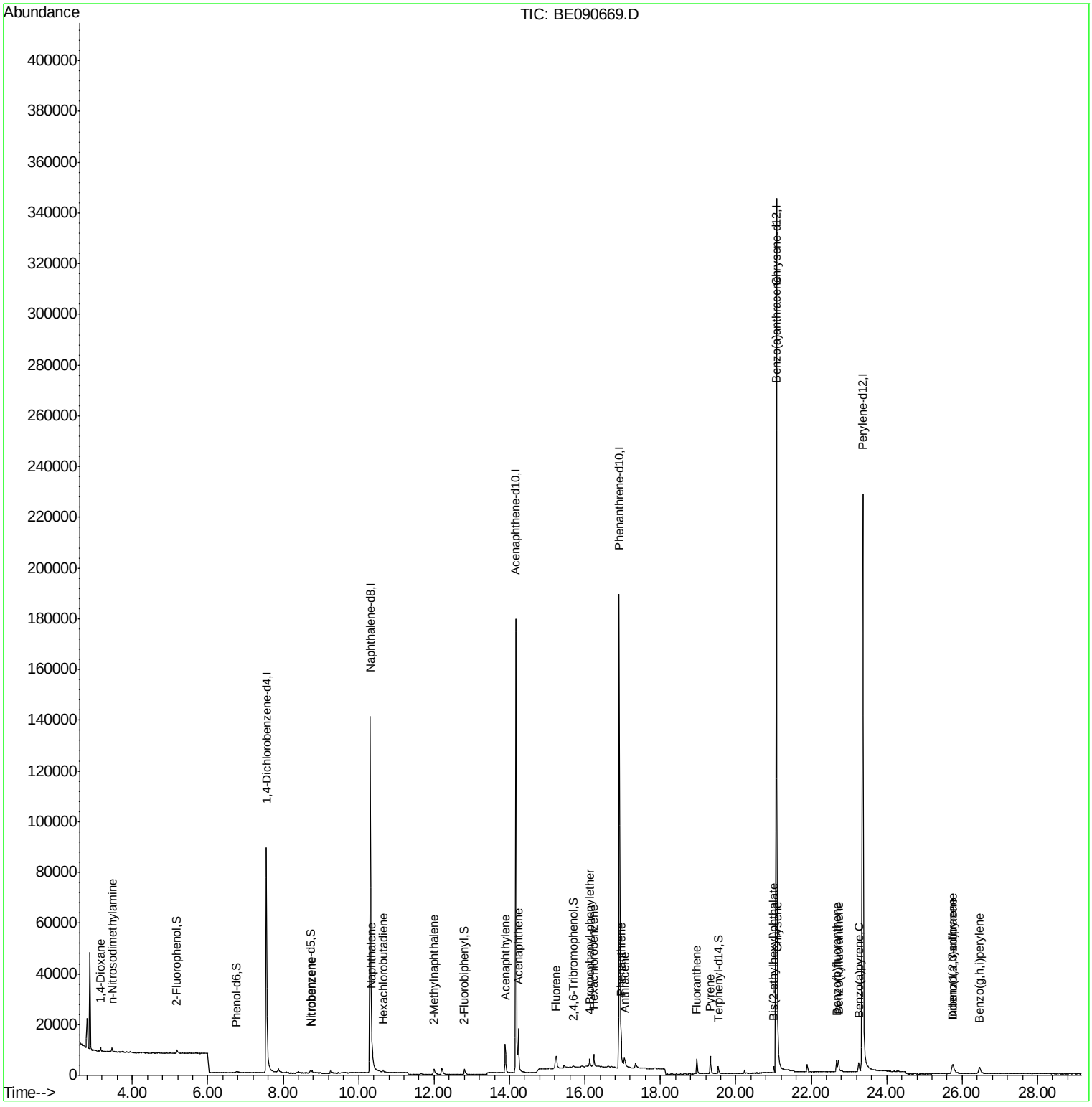
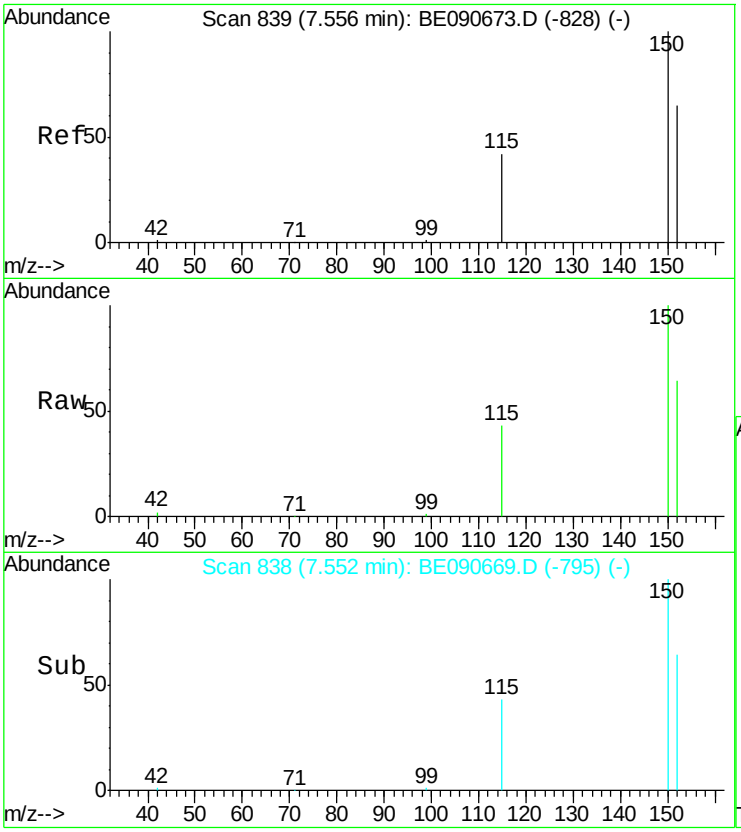
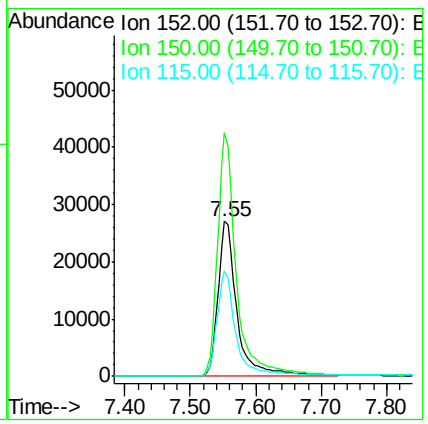




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.55 min Scan# 838
Delta R.T. -0.00 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion:152 Resp: 53967

Ion	Ratio	Lower	Upper
152	100		
150	157.3	122.2	183.4
115	68.0	51.0	76.4



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
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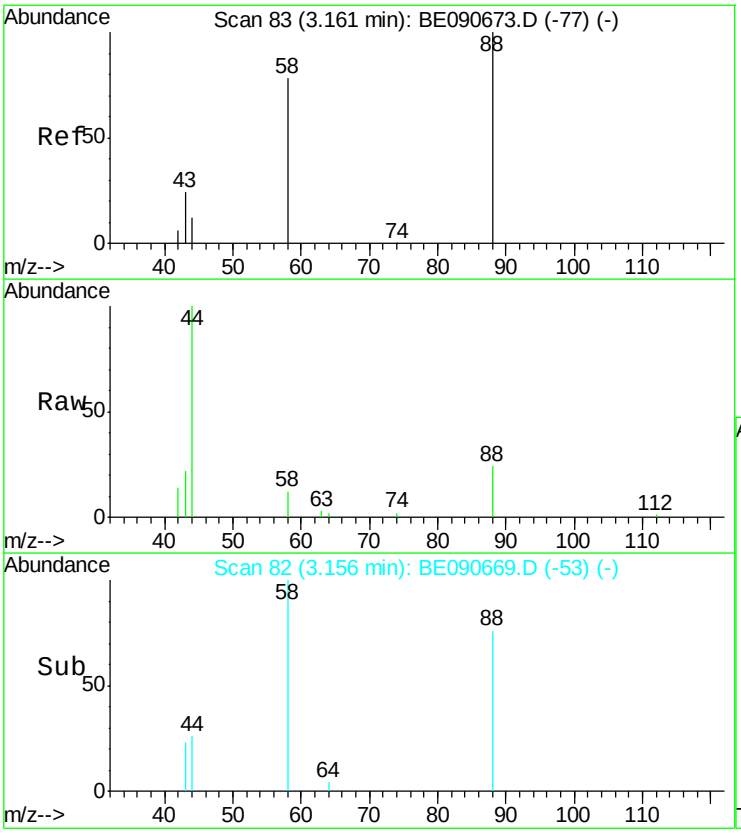
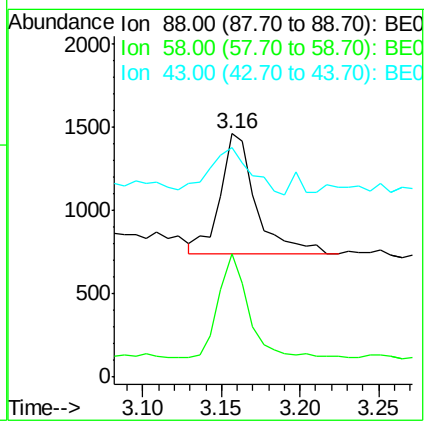
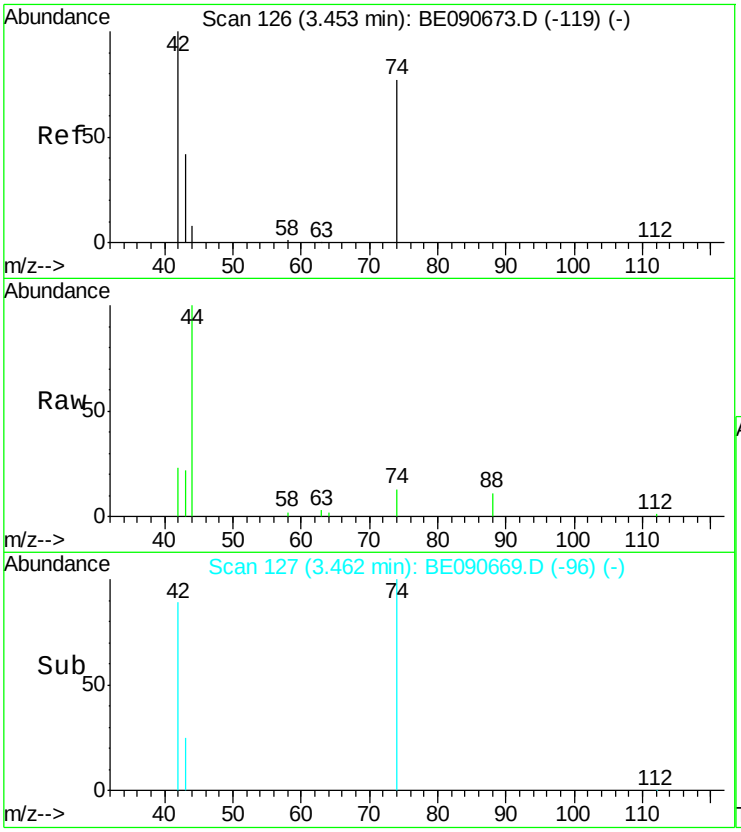


#2
1,4-Dioxane
Concen: 0.16 ng
RT: 3.16 min Scan# 82
Delta R.T. -0.00 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion: 88 Resp: 1125

Ion	Ratio	Lower	Upper
88	100		
58	75.0	68.4	102.6
43	46.9	26.9	40.3#

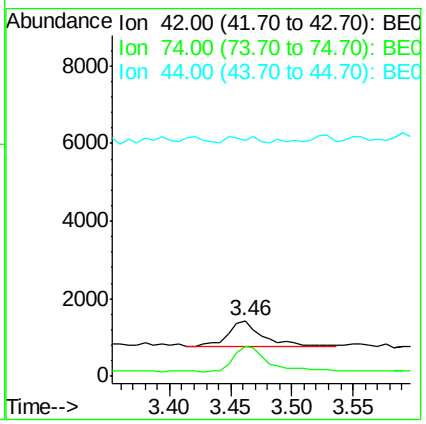




#3
n-Nitrosodimethylamine
Concen: 0.15 ng
RT: 3.46 min Scan# 127
Delta R.T. 0.01 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion: 42 Resp: 1380

Ion	Ratio	Lower	Upper
42	100		
74	95.7	83.7	125.5
44	23.0	10.0	15.0#



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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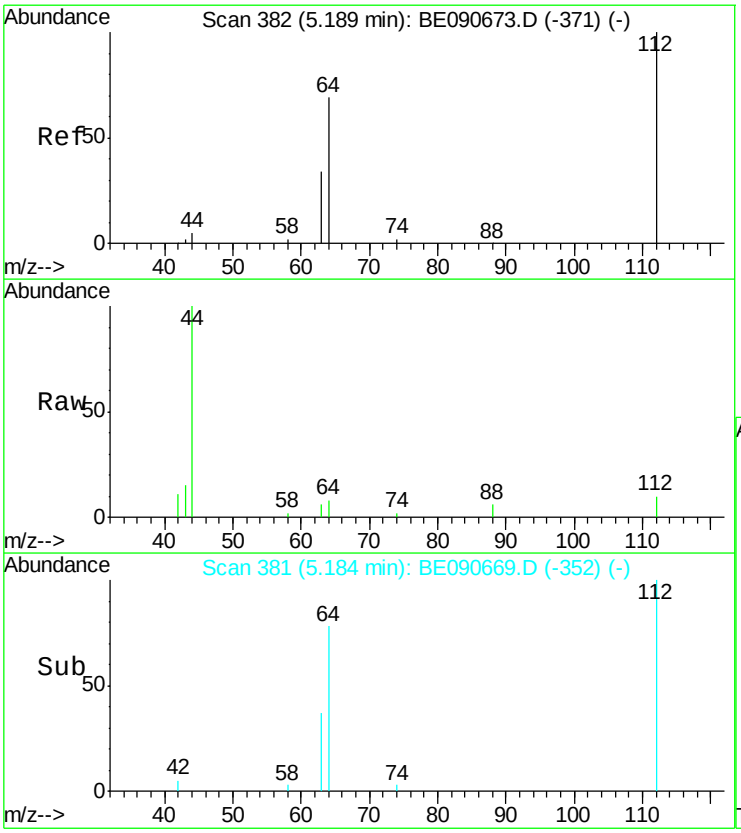
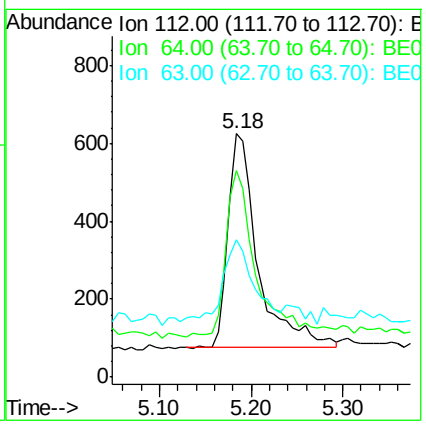
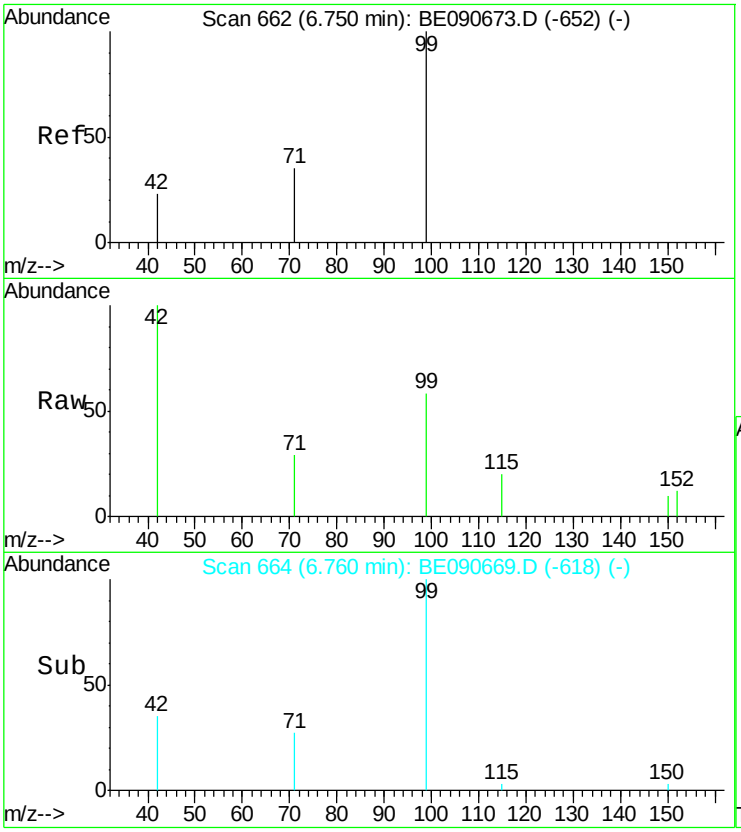


#4
2-Fluorophenol
Concen: 0.08 ng
RT: 5.18 min Scan# 381
Delta R.T. -0.00 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion:112 Resp: 1245

Ion	Ratio	Lower	Upper
112	100		
64	79.0	57.3	85.9
63	38.6	29.2	43.8





#5
Phenol-d6
Concen: 0.07 ng
RT: 6.76 min Scan# 664
Delta R.T. 0.01 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion: 99 Resp: 1488

Ion	Ratio	Lower	Upper
99	100		
42	11.9	16.8	25.2#
71	20.3	28.3	42.5#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
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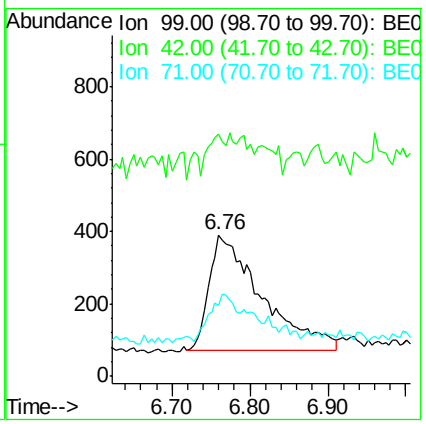
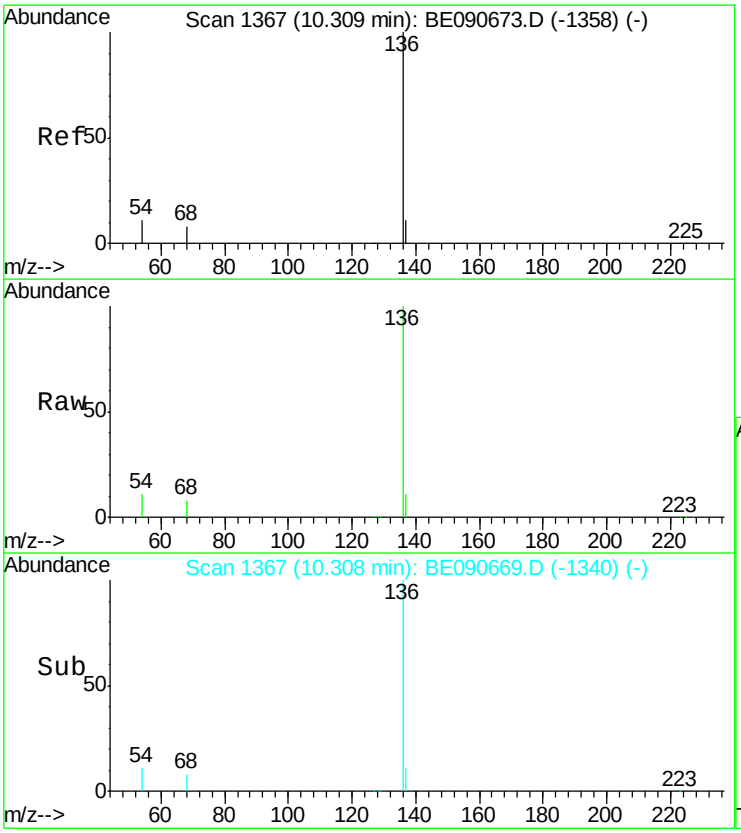
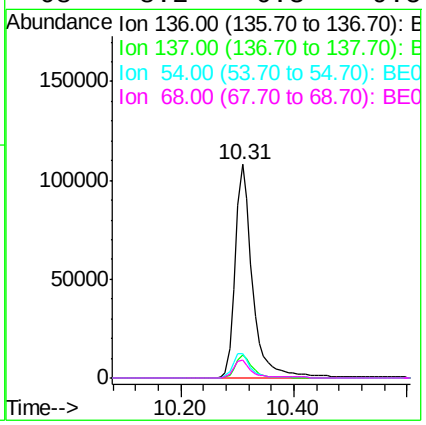


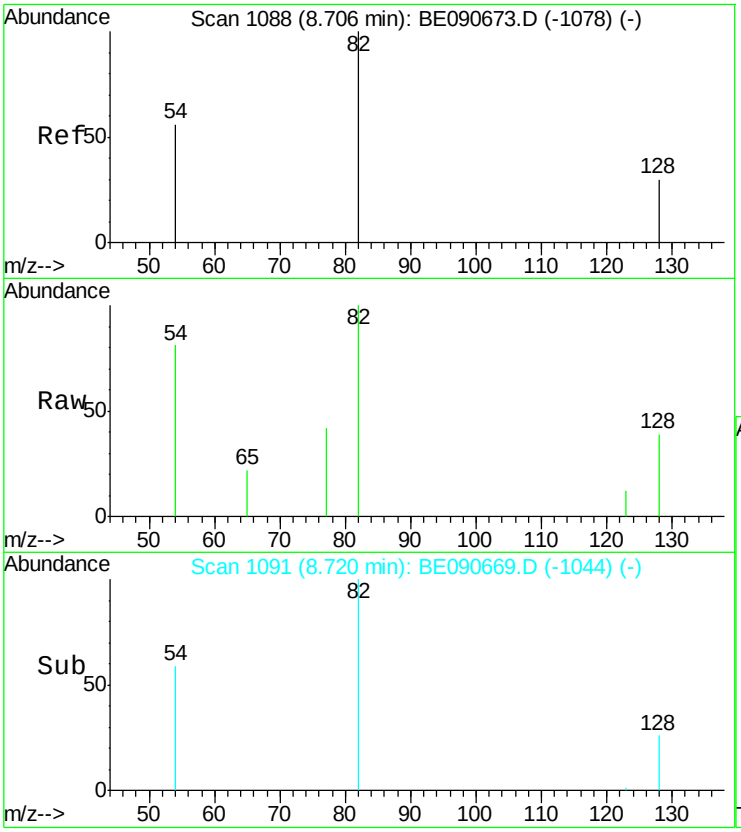


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.31 min Scan# 1367
Delta R.T. -0.00 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion:136 Resp: 230397

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	11.2	9.0	13.6
68	8.2	6.3	9.5





#7
Nitrobenzene-d5
Concen: 0.07 ng
RT: 8.72 min Scan# 1091
Delta R.T. 0.01 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion: 82 Resp: 1327

Ion	Ratio	Lower	Upper
82	100		
128	39.0	25.0	37.4#
54	81.0	46.3	69.5#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
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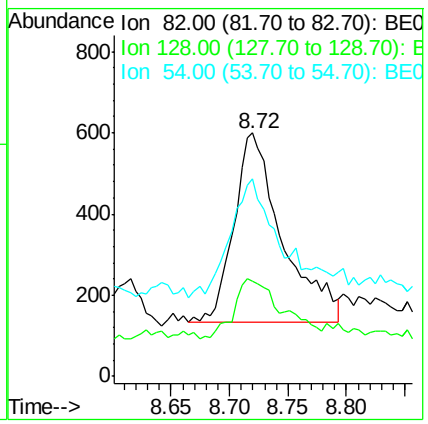
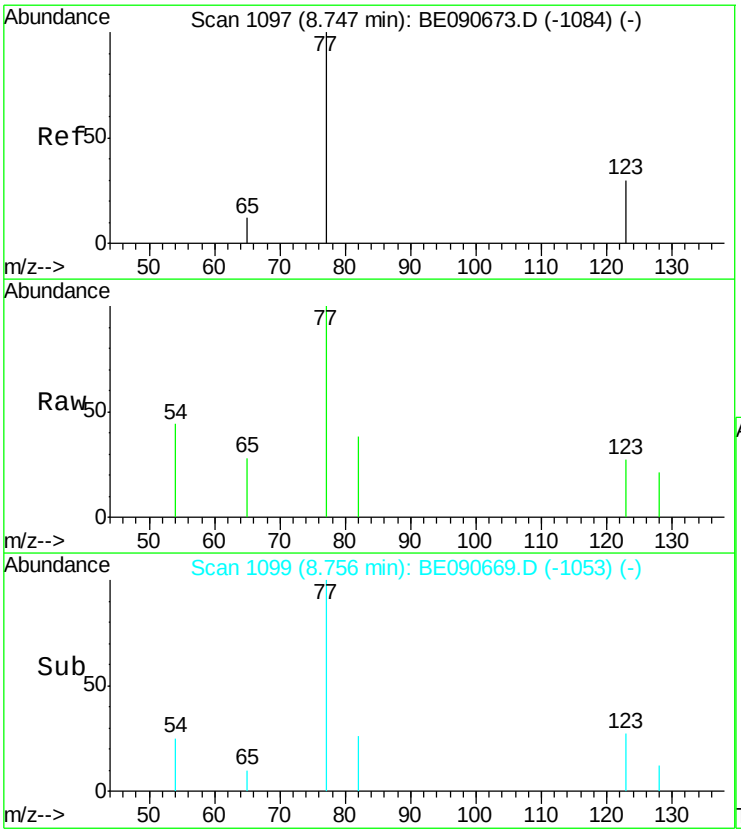
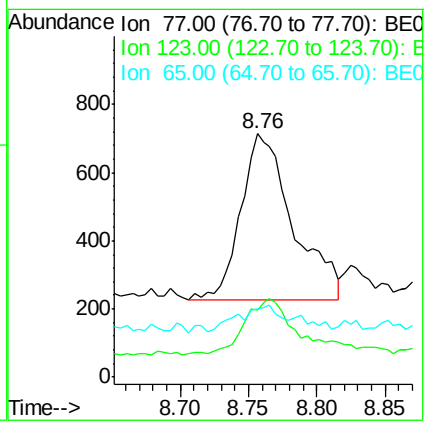


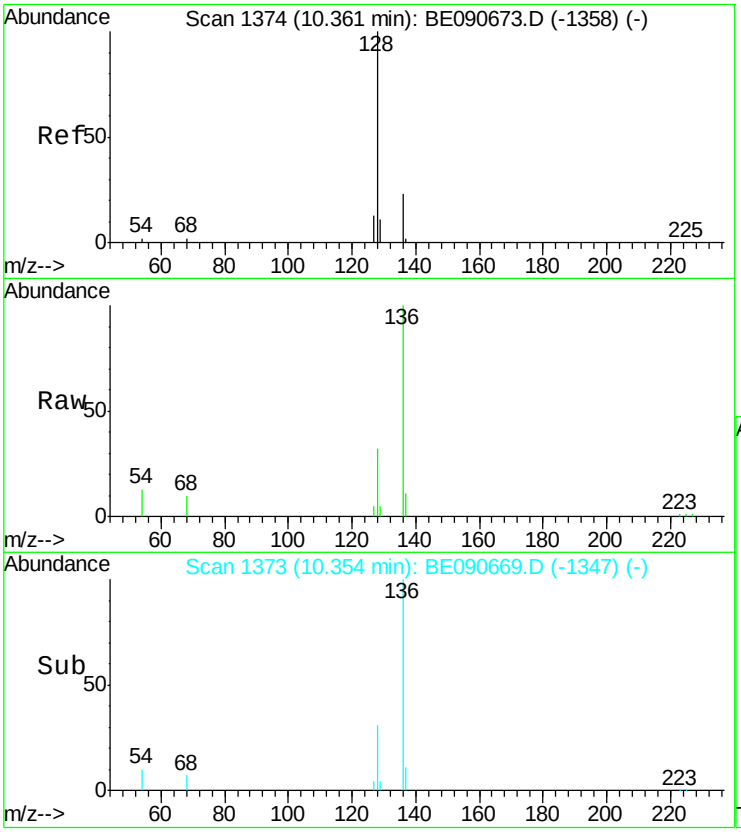


#8
Nitrobenzene
Concen: 0.07 ng
RT: 8.76 min Scan# 1099
Delta R.T. 0.01 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion: 77 Resp: 1308

Ion	Ratio	Lower	Upper
77	100		
123	34.6	25.1	37.7
65	12.5	9.9	14.9





#9
Naphthalene
Concen: 0.10 ng
RT: 10.35 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion:128 Resp: 5270

Ion	Ratio	Lower	Upper
128	100		
129	14.4	9.0	13.6#
127	16.2	10.6	15.8#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
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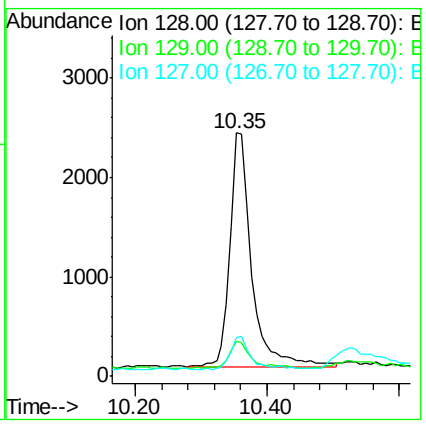
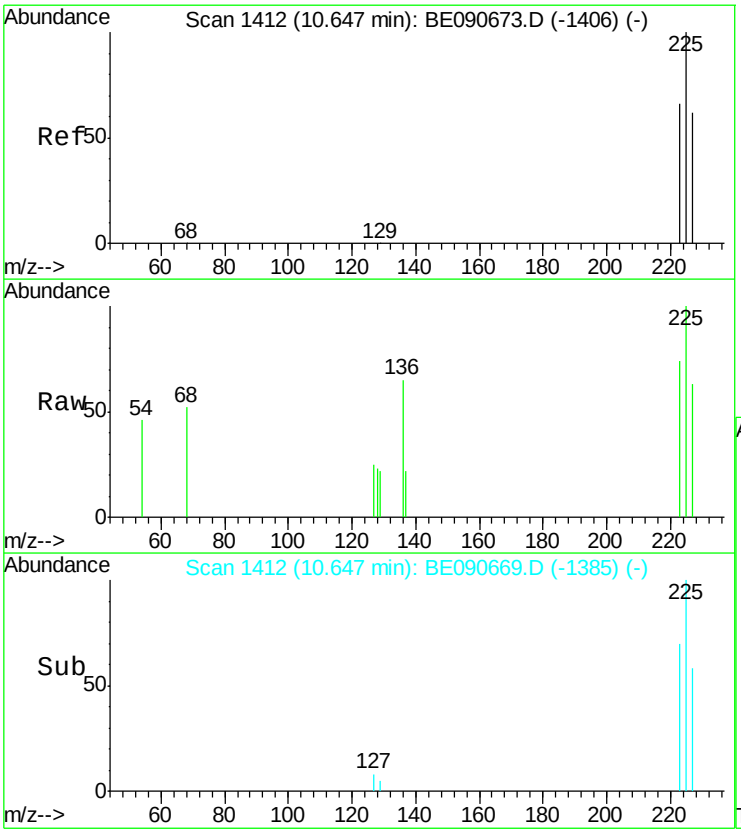
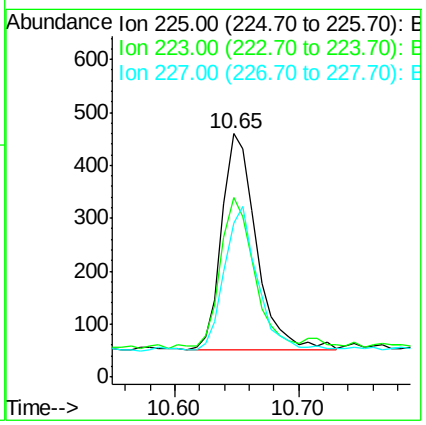


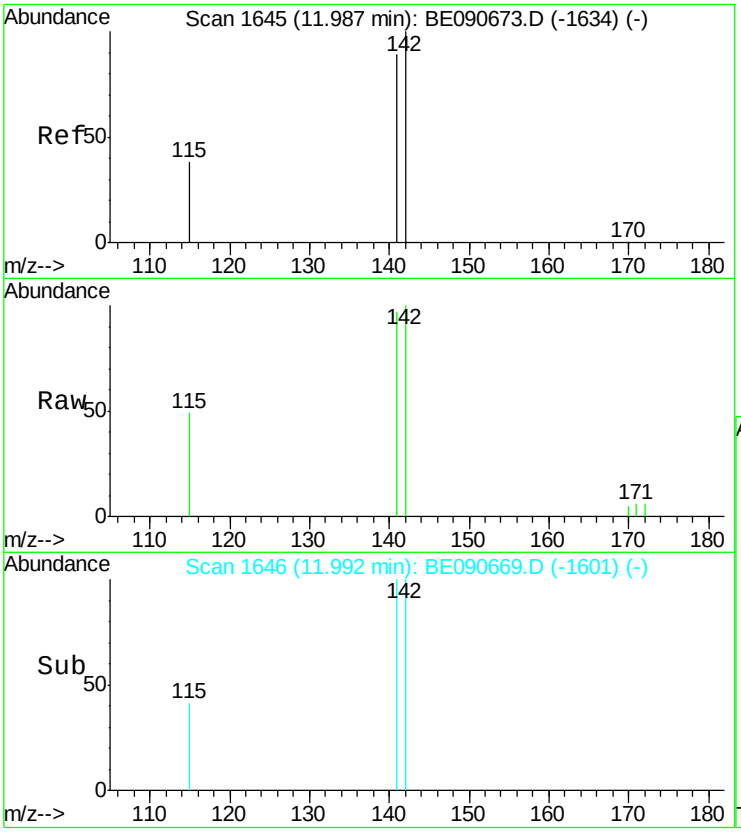


#10
Hexachlorobutadiene
Concen: 0.10 ng
RT: 10.65 min Scan# 1412
Delta R.T. -0.00 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion:225 Resp: 796

Ion	Ratio	Lower	Upper
225	100		
223	67.6	50.6	76.0
227	62.8	51.0	76.6





#11
2-Methylnaphthalene
Concen: 0.08 ng
RT: 11.99 min Scan# 1646
Delta R.T. 0.00 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion:142 Resp: 2566

Ion	Ratio	Lower	Upper
142	100		
141	96.6	71.4	107.2
115	49.3	31.0	46.4#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
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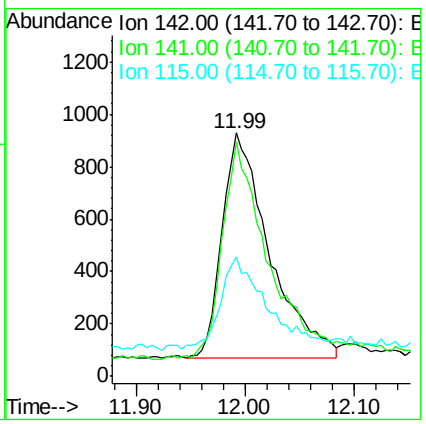
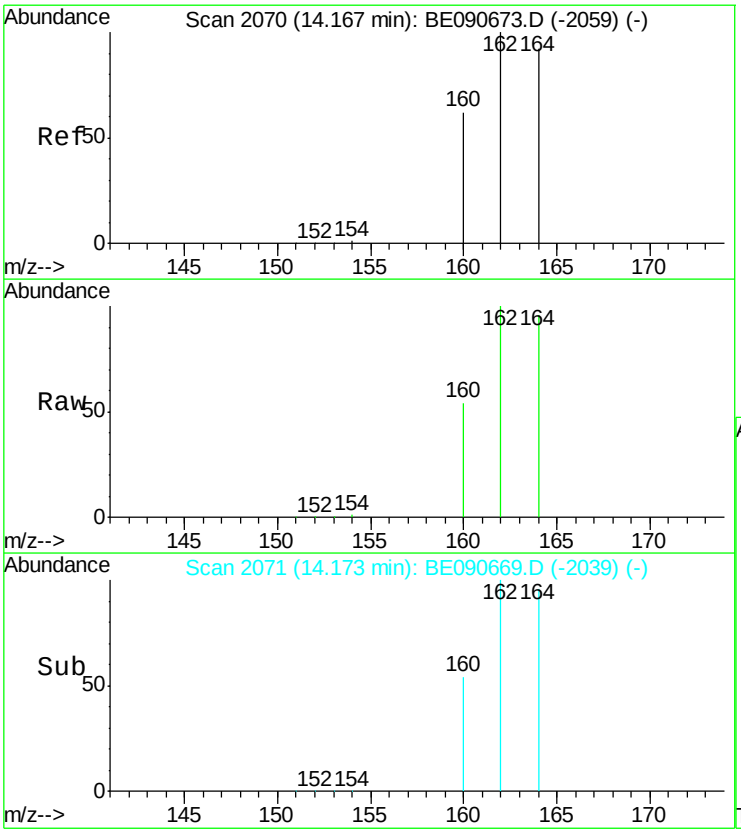
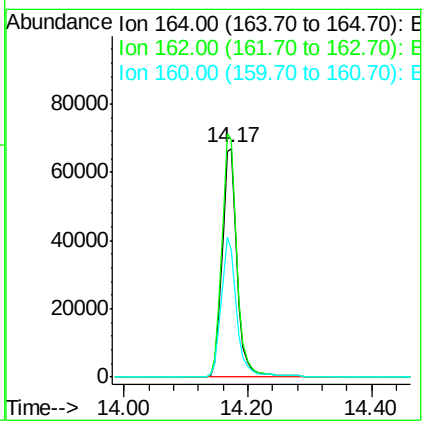


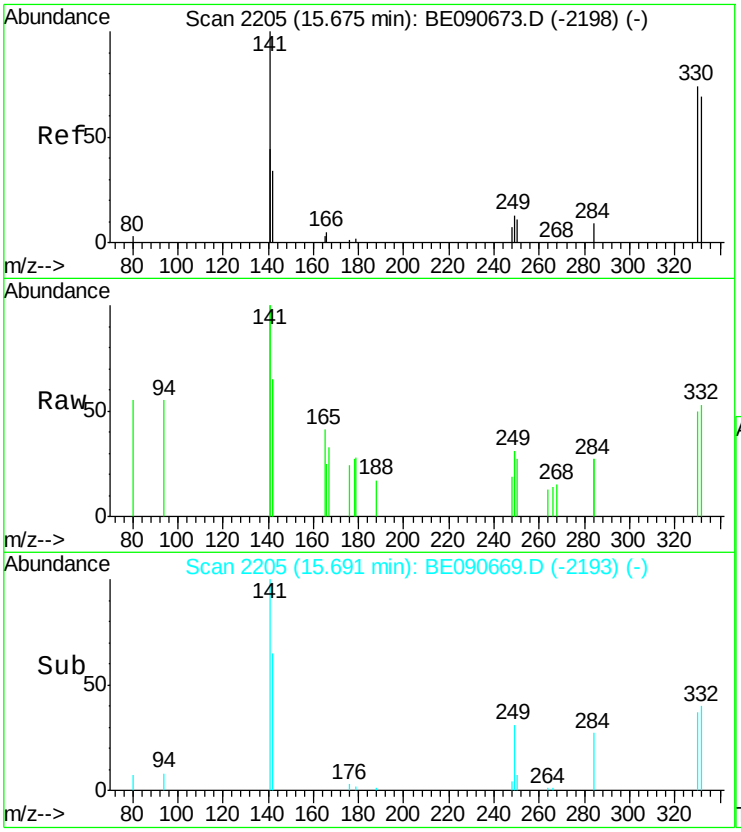


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.17 min Scan# 2071
Delta R.T. 0.01 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion:164 Resp: 112608

Ion	Ratio	Lower	Upper
164	100		
162	103.7	86.8	130.2
160	55.5	53.9	80.9

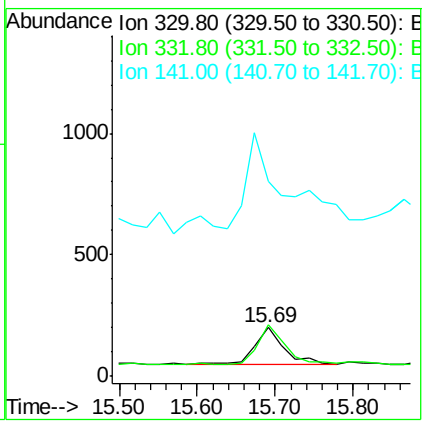




#13
2,4,6-Tribromophenol
Concen: 0.09 ng
RT: 15.69 min Scan# 2205
Delta R.T. 0.02 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion:330 Resp: 397

Ion	Ratio	Lower	Upper
330	100		
332	101.3	74.9	112.3
141	358.7	145.2	217.8#



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
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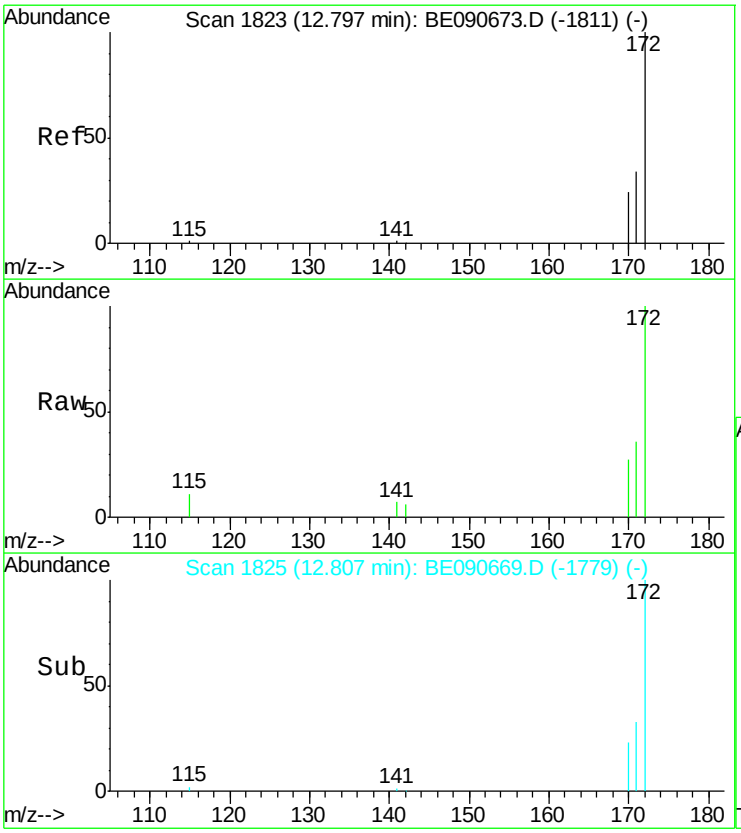
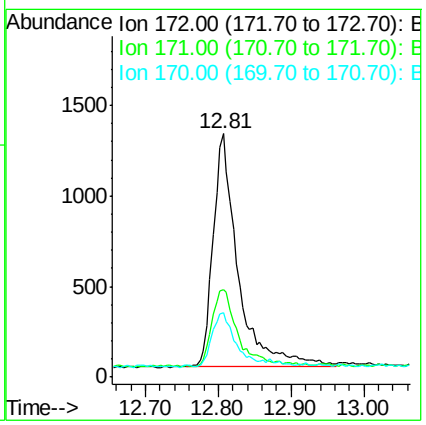
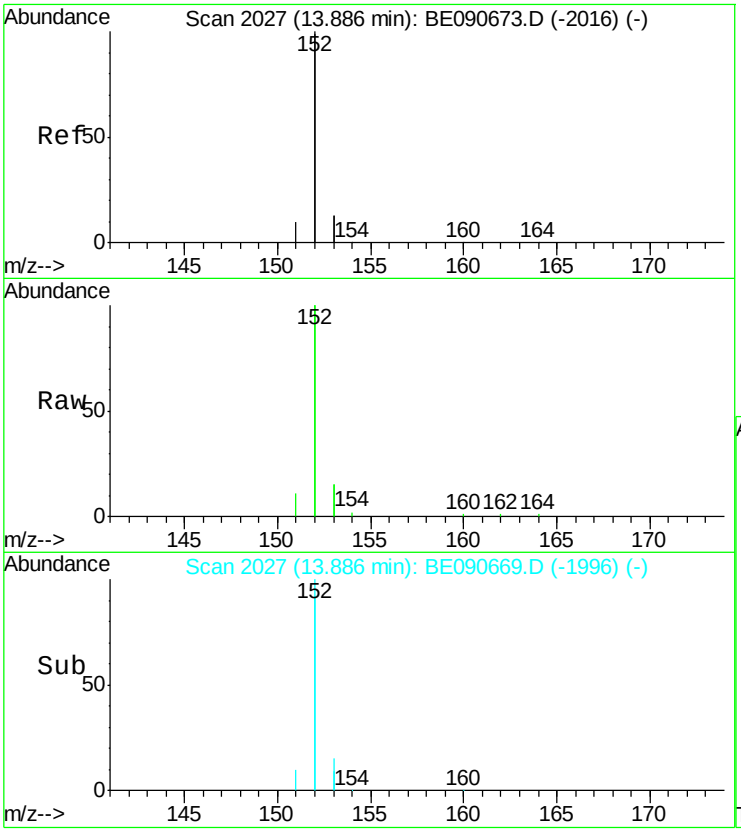


#14
2-Fluorobiphenyl
Concen: 0.09 ng
RT: 12.81 min Scan# 1825
Delta R.T. 0.01 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion:172 Resp: 3077

Ion	Ratio	Lower	Upper
172	100		
171	36.1	27.8	41.8
170	26.6	19.8	29.6

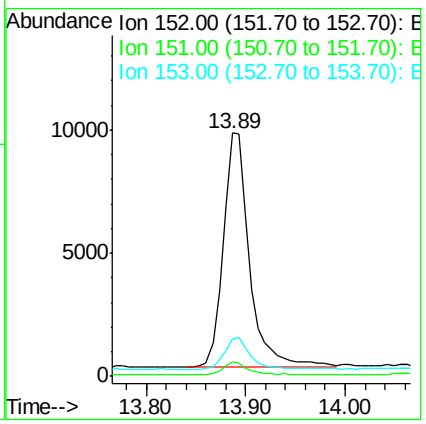




#15
Acenaphthylene
Concen: 0.09 ng
RT: 13.89 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion:152 Resp: 17617

Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.9	5.9
153	13.5	10.3	15.5



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
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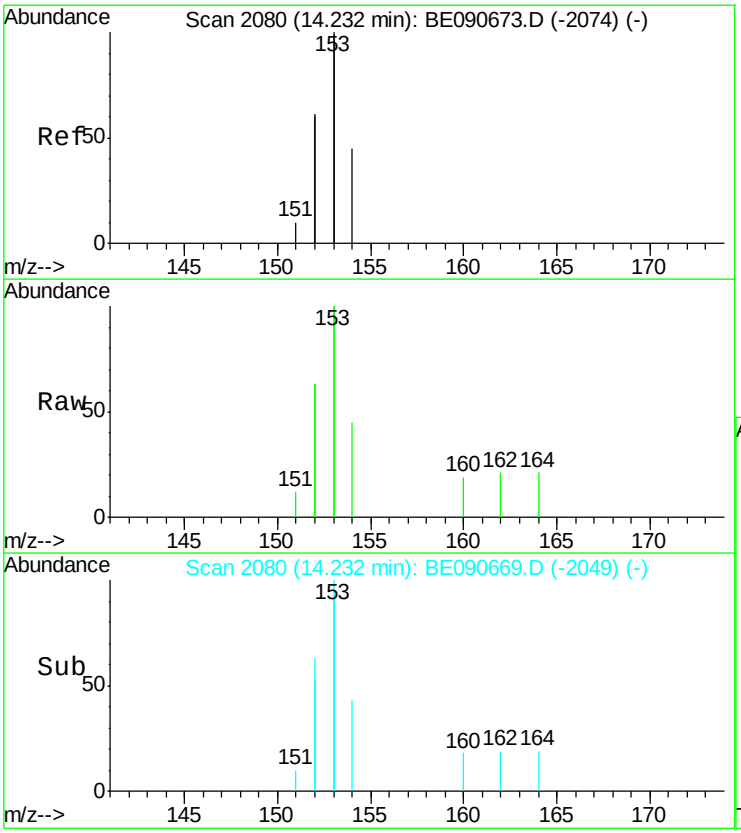
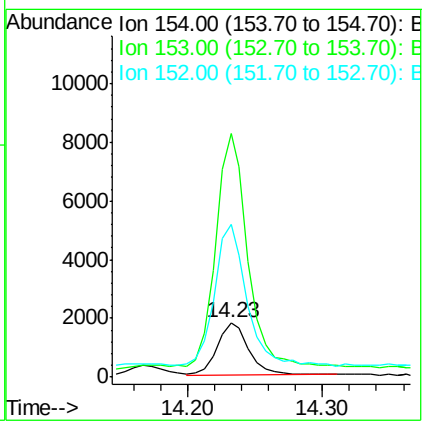
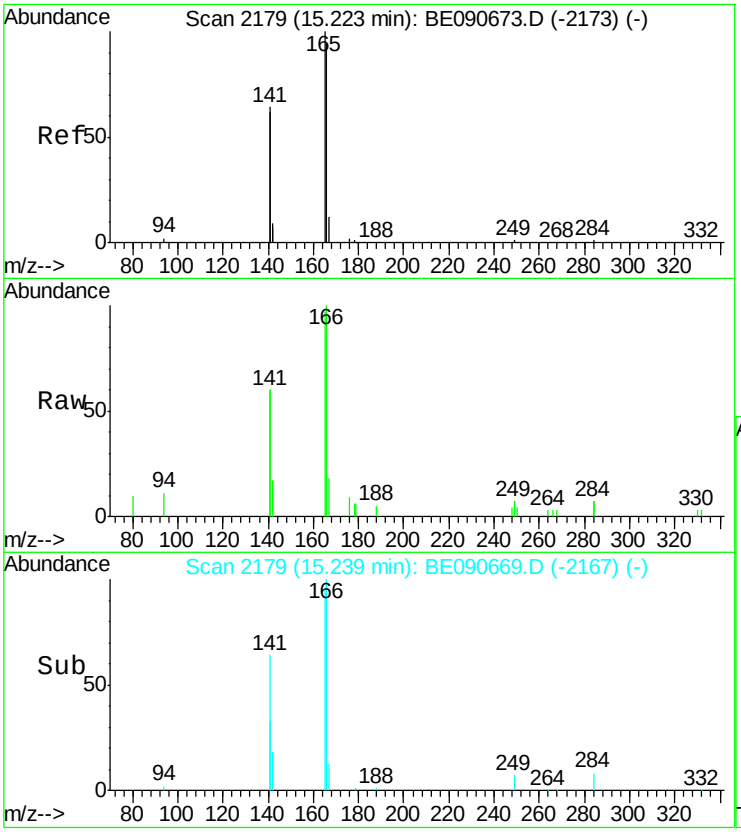


#16
Acenaphthene
Concen: 0.09 ng
RT: 14.23 min Scan# 2080
Delta R.T. -0.00 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion:154 Resp: 2920

Ion	Ratio	Lower	Upper
154	100		
153	453.5	354.5	531.7
152	279.0	227.8	341.6

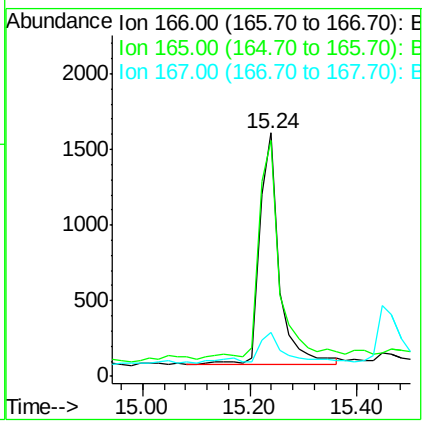




#17
Fluorene
Concen: 0.10 ng
RT: 15.24 min Scan# 2179
Delta R.T. 0.02 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion:166 Resp: 3965

Ion	Ratio	Lower	Upper
166	100		
165	100.3	82.7	124.1
167	14.3	10.7	16.1



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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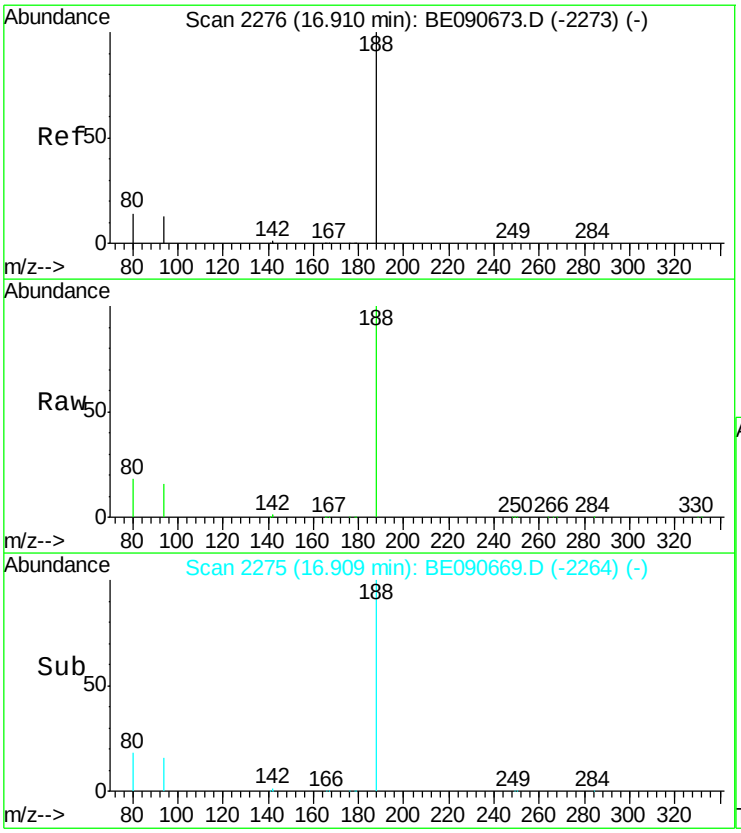
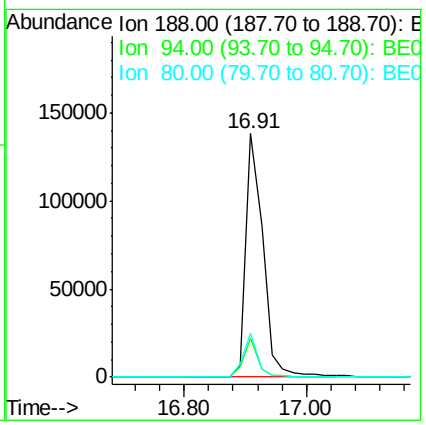
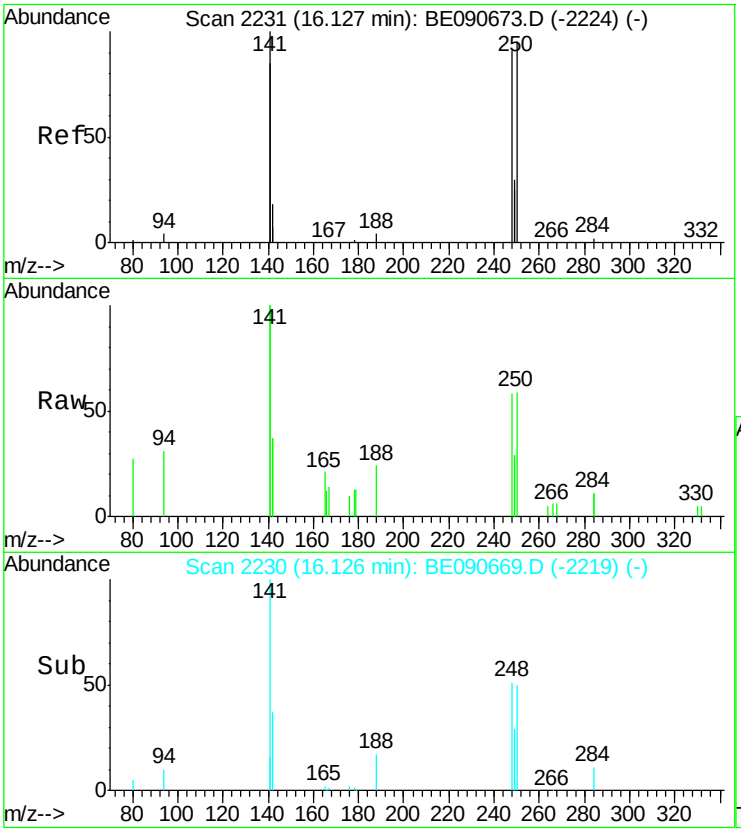


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion:188 Resp: 267399

Ion	Ratio	Lower	Upper
188	100		
94	15.8	10.3	15.5#
80	17.9	11.0	16.6#

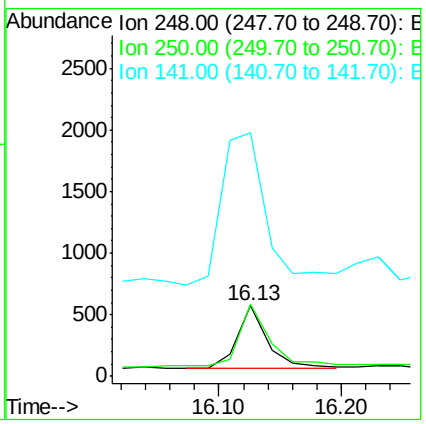




#19
4-Bromophenyl-phenylether
Concen: 0.08 ng
RT: 16.13 min Scan# 2230
Delta R.T. -0.00 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion:248 Resp: 894

Ion	Ratio	Lower	Upper
248	100		
250	107.6	76.7	115.1
141	370.0	292.6	439.0



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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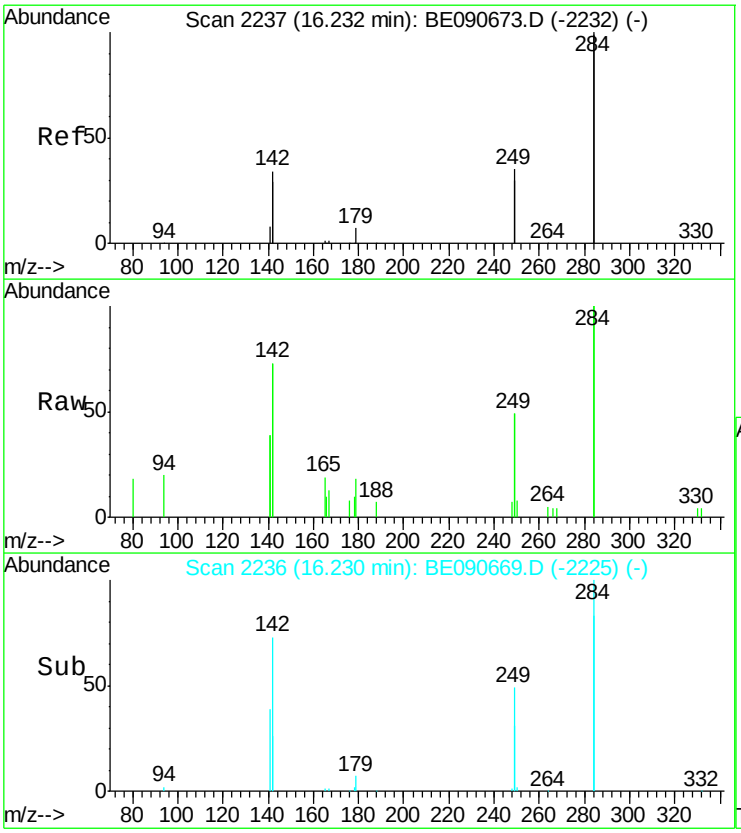
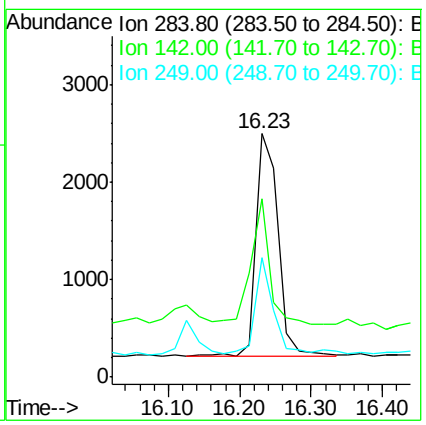
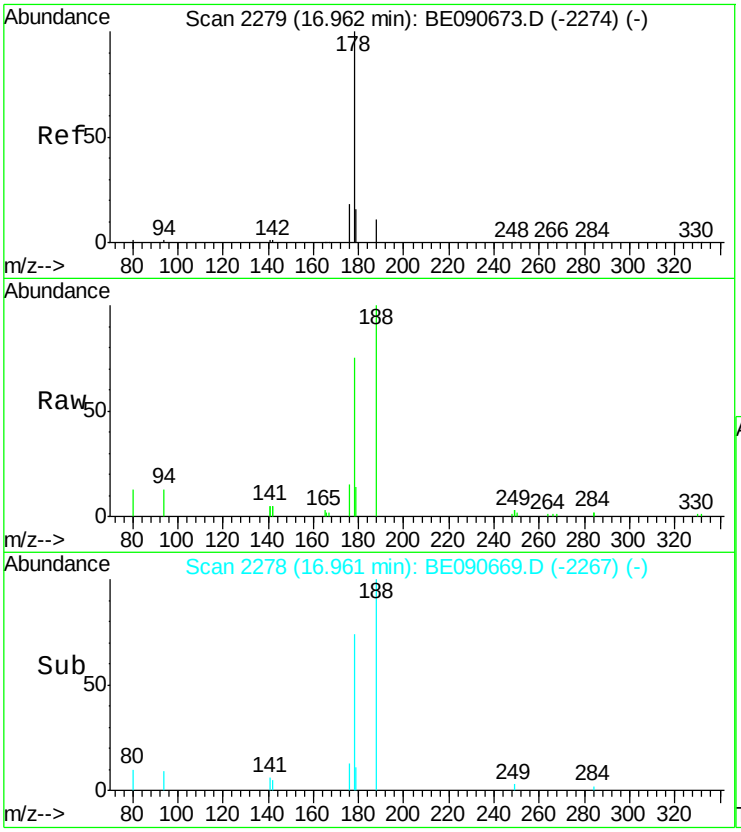


#20
Hexachlorobenzene
Concen: 0.10 ng
RT: 16.23 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion:284 Resp: 4935

Ion	Ratio	Lower	Upper
284	100		
142	47.3	35.0	52.4
249	36.7	25.5	38.3





#22
Phenanthrene
Concen: 0.09 ng m
RT: 16.96 min Scan# 2278
Delta R.T. -0.00 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion:178 Resp: 6519

Ion	Ratio	Lower	Upper
178	100		
176	12.5	15.6	23.4#
179	11.2	12.8	19.2#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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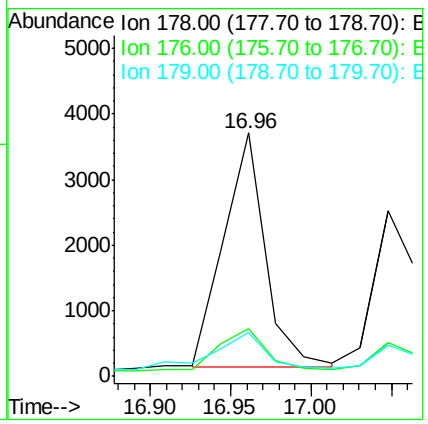
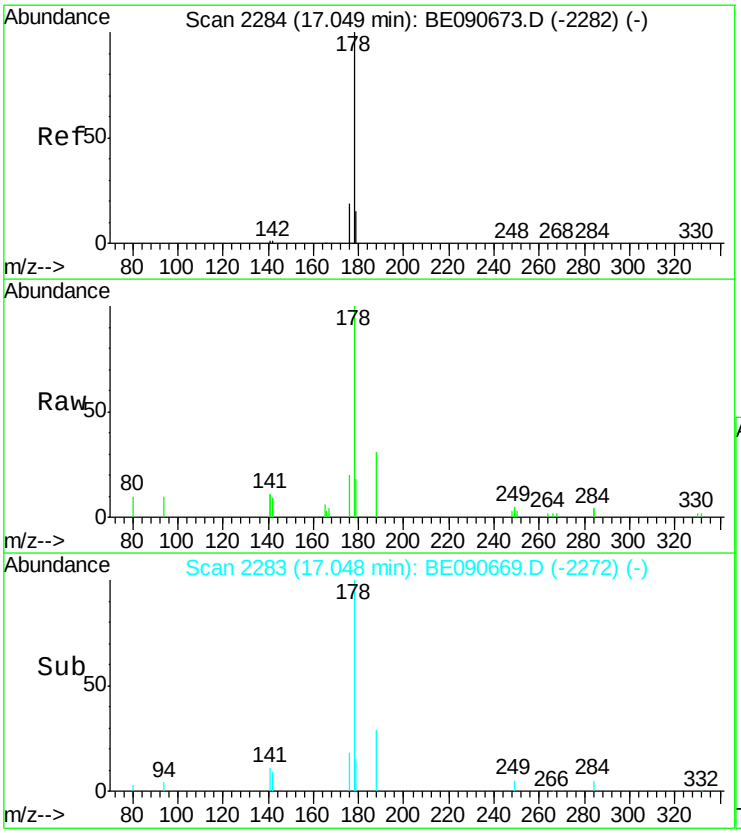
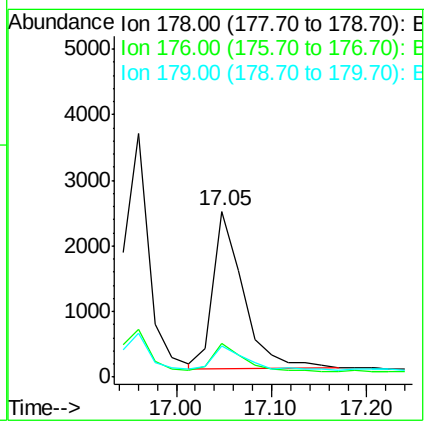


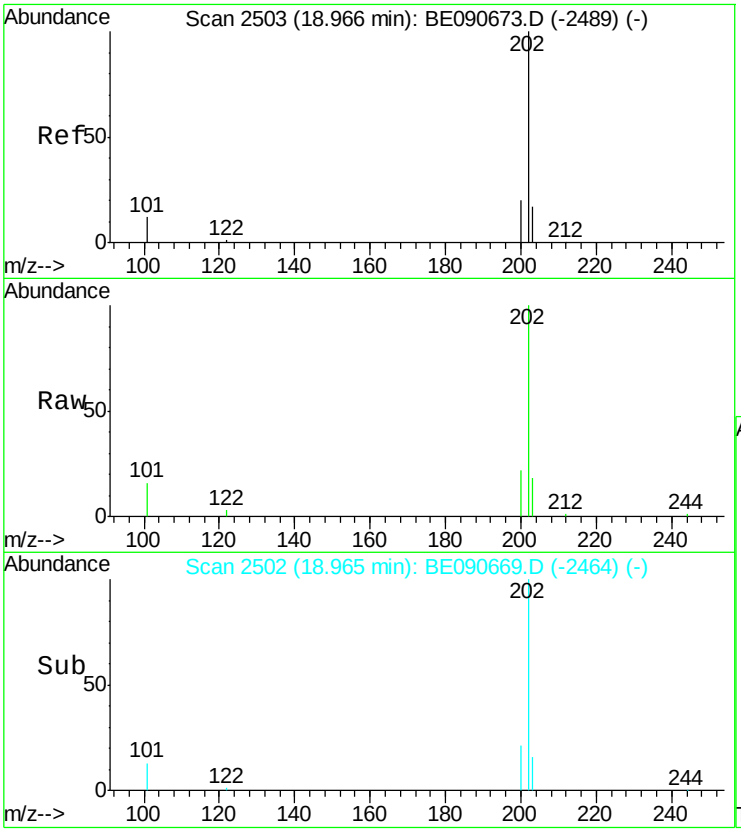


#23
Anthracene
Concen: 0.08 ng
RT: 17.05 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion:178 Resp: 5212

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.0	22.6
179	16.3	12.3	18.5

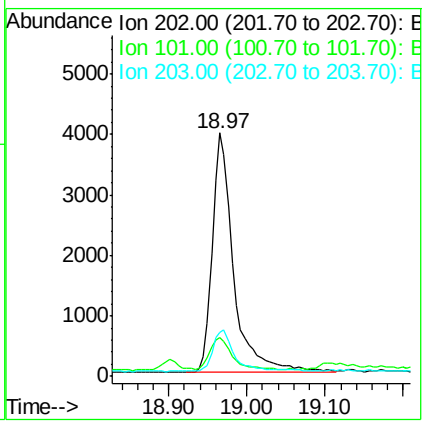




#24
Fluoranthene
Concen: 0.10 ng
RT: 18.97 min Scan# 2502
Delta R.T. -0.00 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion:202 Resp: 7518

Ion	Ratio	Lower	Upper
202	100		
101	13.9	11.0	16.6
203	17.1	13.9	20.9



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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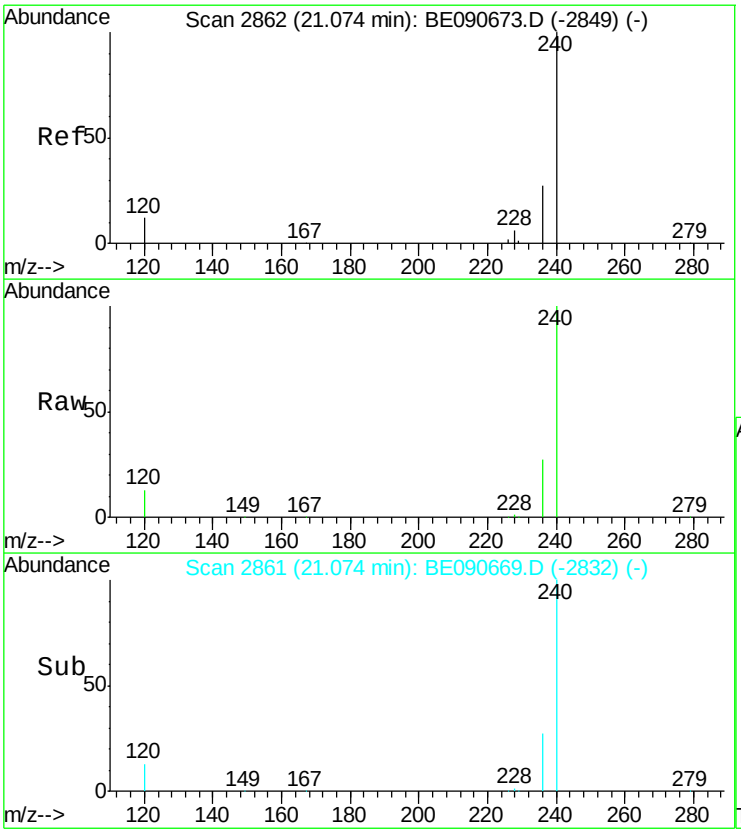
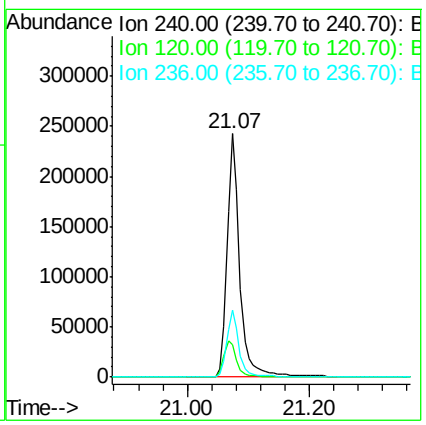
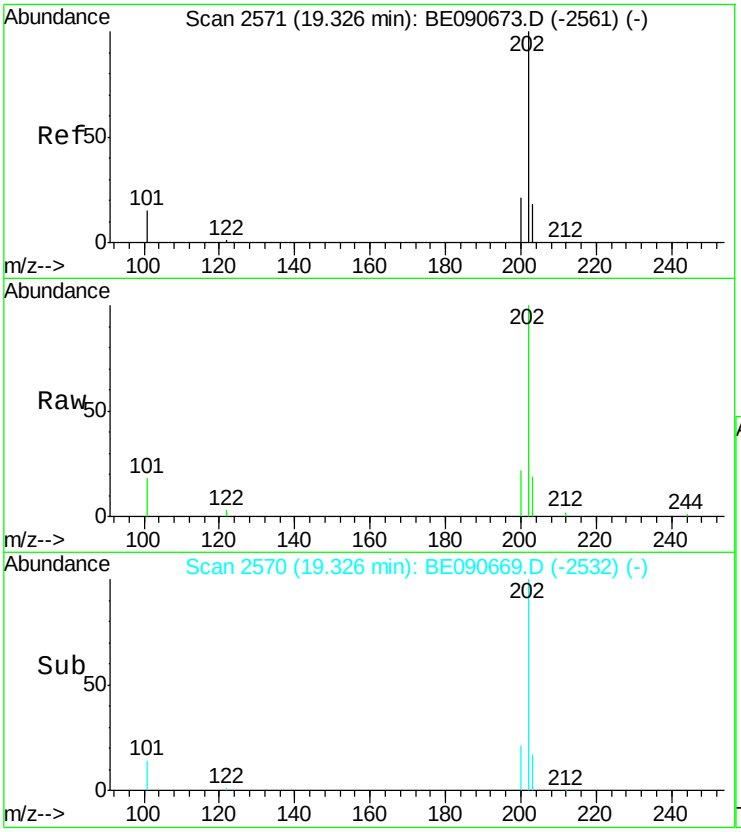


#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.07 min Scan# 2861
Delta R.T. -0.00 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion:240 Resp: 348542

Ion	Ratio	Lower	Upper
240	100		
120	13.4	10.1	15.1
236	27.3	21.9	32.9





#26
Pyrene
Concen: 0.08 ng
RT: 19.33 min Scan# 2570
Delta R.T. -0.00 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion:202 Resp: 7665

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	18.2	13.8	20.6

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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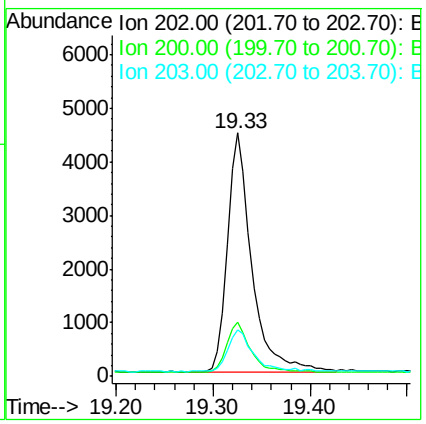
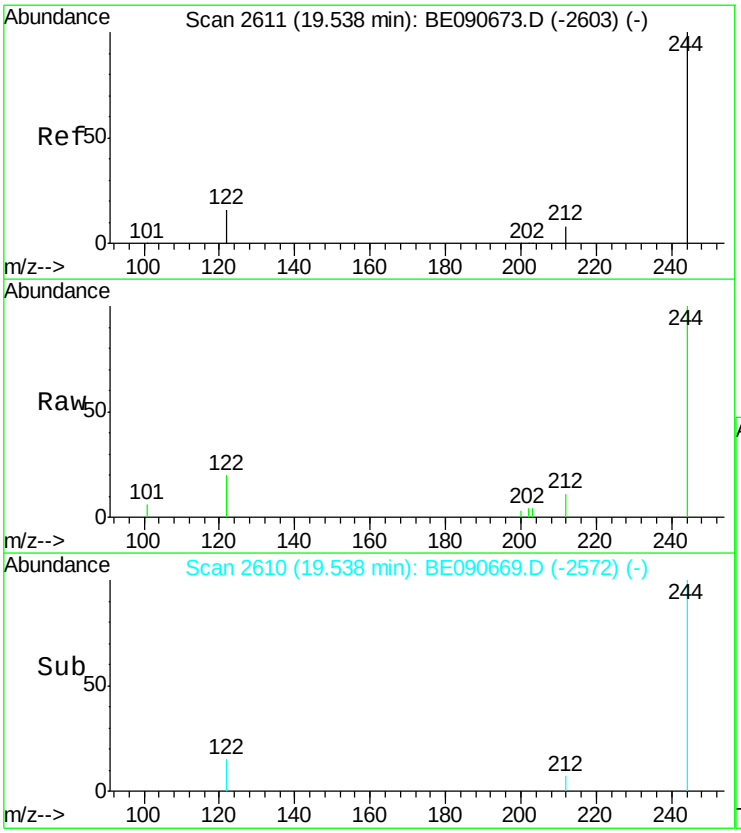
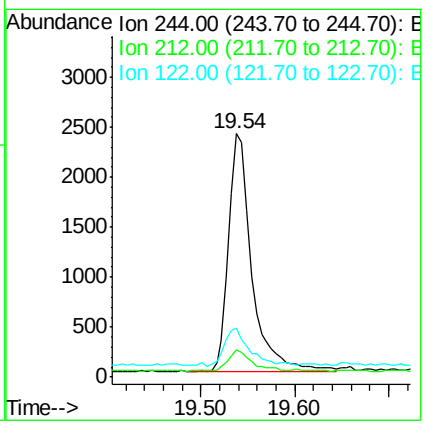


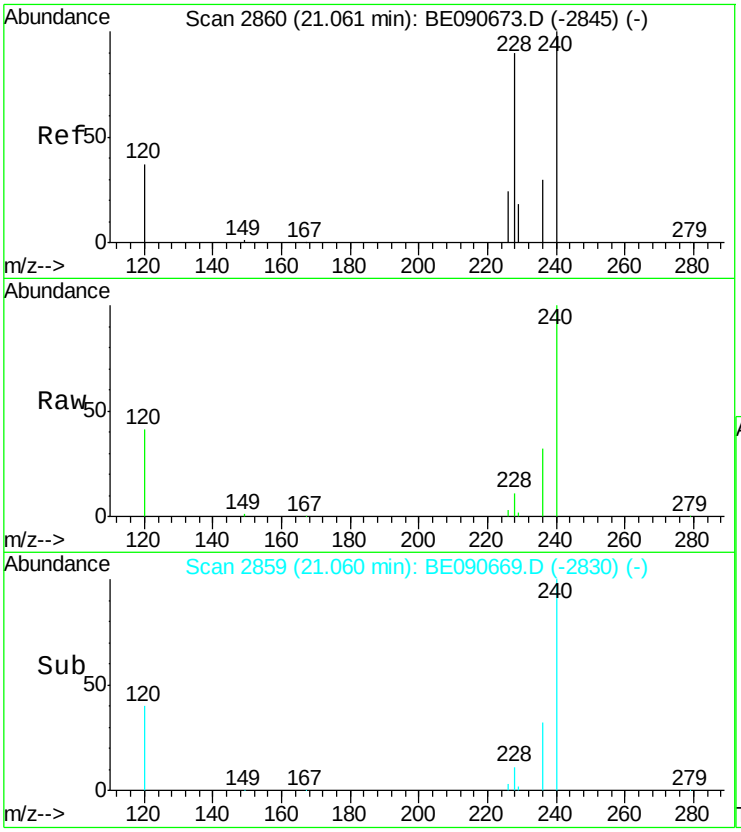


#27
Terphenyl-d14
Concen: 0.07 ng
RT: 19.54 min Scan# 2610
Delta R.T. -0.00 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion:244 Resp: 4054

Ion	Ratio	Lower	Upper
244	100		
212	11.0	6.9	10.3#
122	20.3	12.9	19.3#

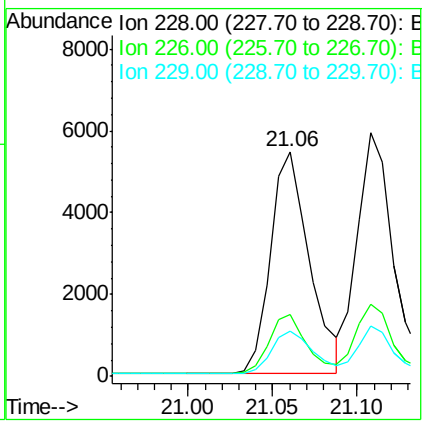




#28
Benzo(a)anthracene
Concen: 0.10 ng
RT: 21.06 min Scan# 2859
Delta R.T. -0.00 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion:228 Resp: 8652

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.6	32.4
229	19.9	15.9	23.9



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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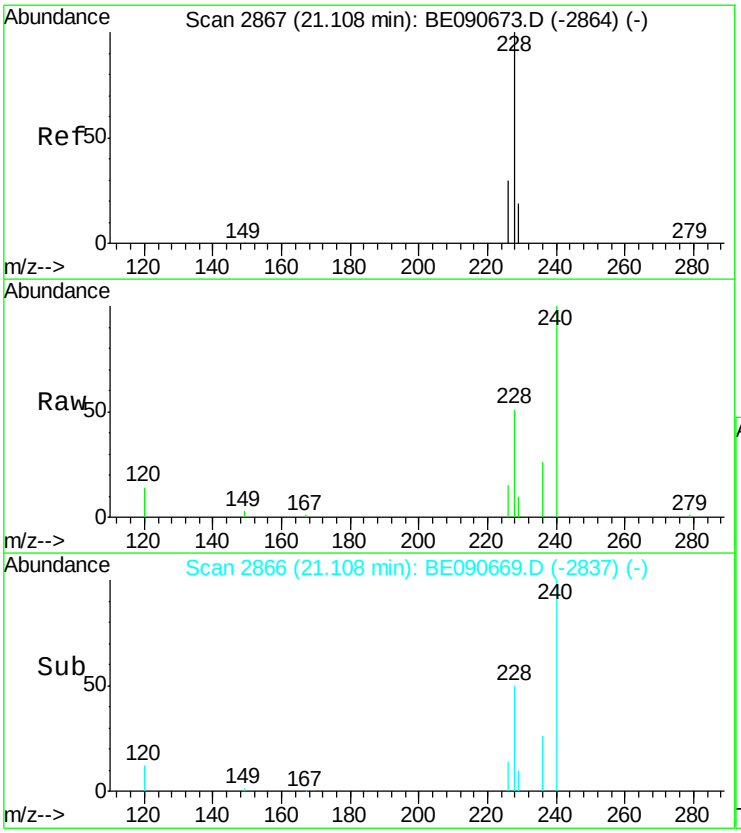
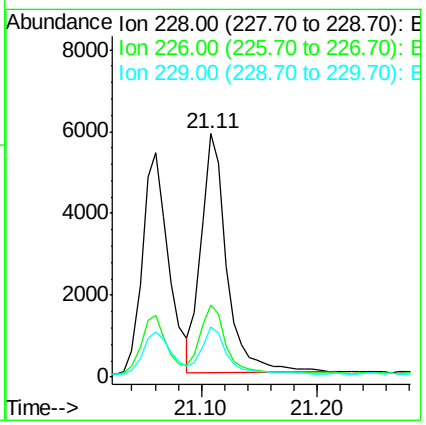
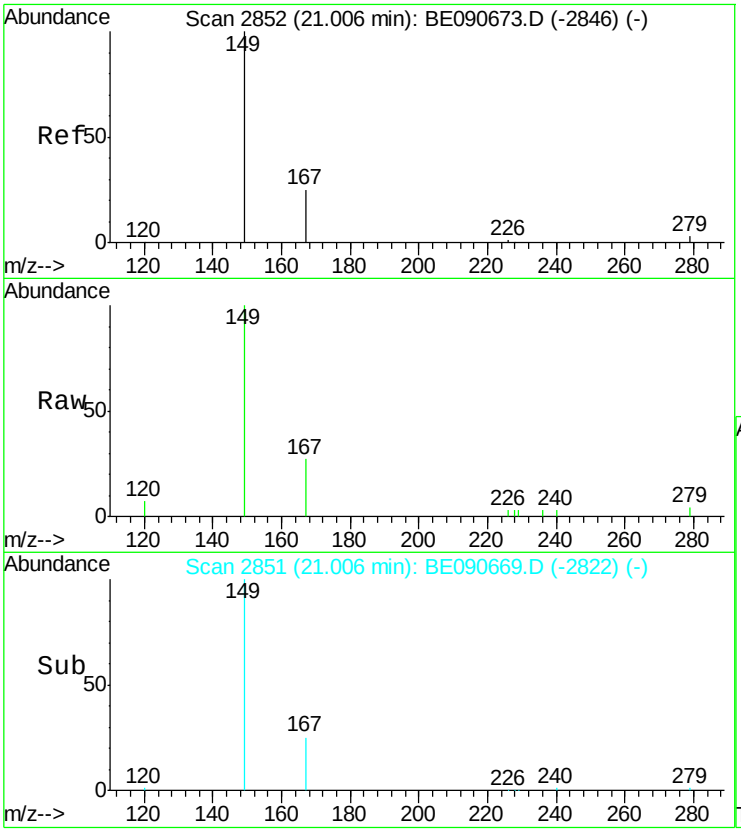


#29
Chrysene
Concen: 0.10 ng
RT: 21.11 min Scan# 2866
Delta R.T. -0.00 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion:228 Resp: 9019

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.2	36.4
229	20.5	15.3	22.9





#30
Bis(2-ethylhexyl)phthalate
Concen: 0.05 ng
RT: 21.01 min Scan# 2851
Delta R.T. -0.00 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
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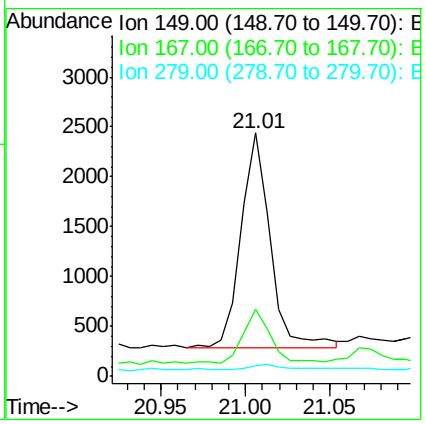
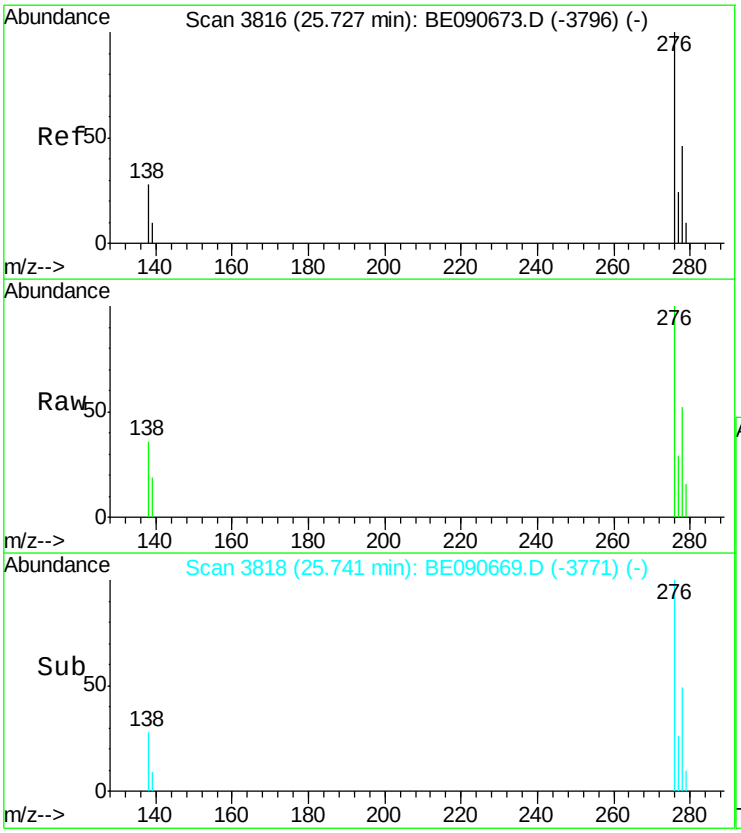
Tgt Ion:149 Resp: 2550

Ion	Ratio	Lower	Upper
149	100		
167	22.6	20.1	30.1
279	2.7	2.3	3.5

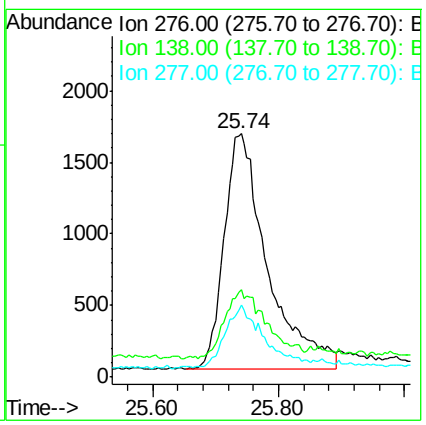


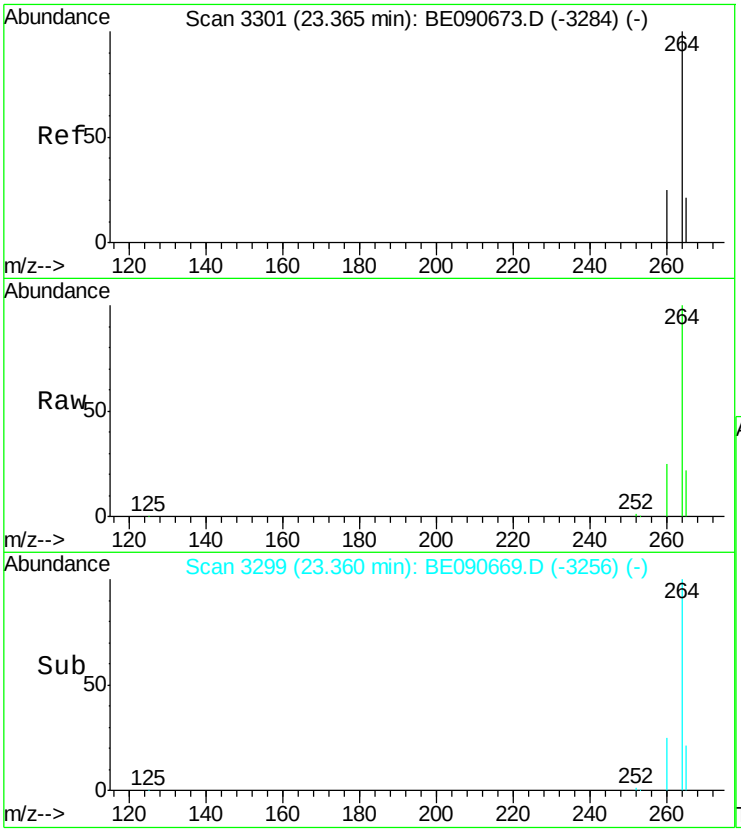


#31
Indeno(1,2,3-cd)pyrene
Concen: 0.09 ng
RT: 25.74 min Scan# 3818
Delta R.T. 0.01 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion:276 Resp: 7810

Ion	Ratio	Lower	Upper
276	100		
138	27.4	23.3	34.9
277	23.9	19.8	29.6





#32
Perylene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 3299
Delta R.T. -0.00 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
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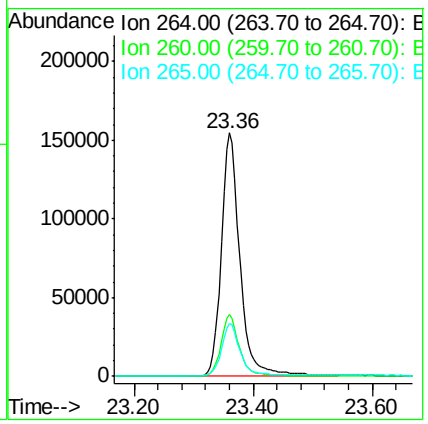
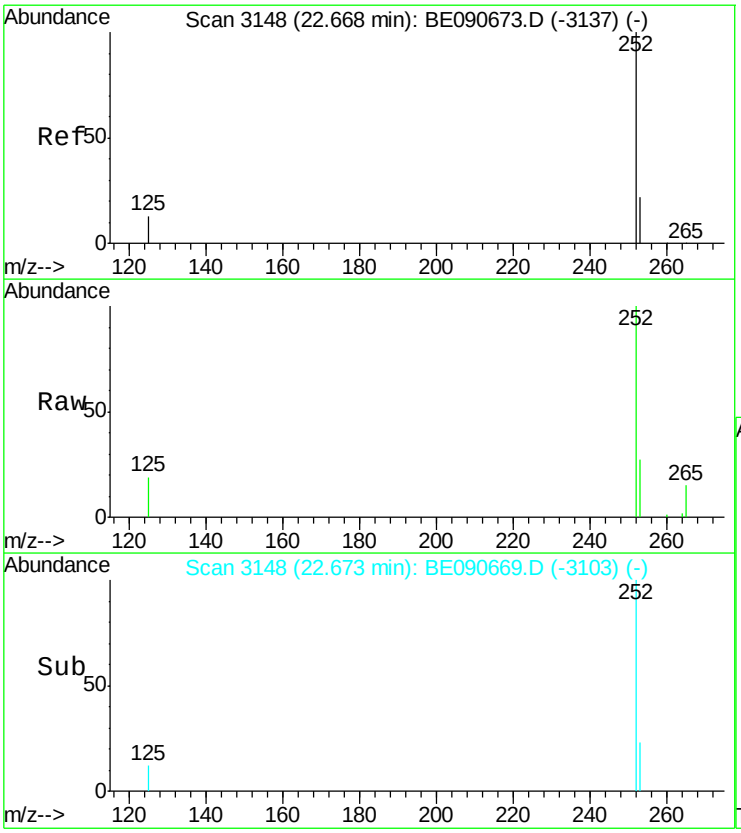
Tgt Ion:264 Resp: 337878

Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.7	29.5
265	21.6	17.5	26.3

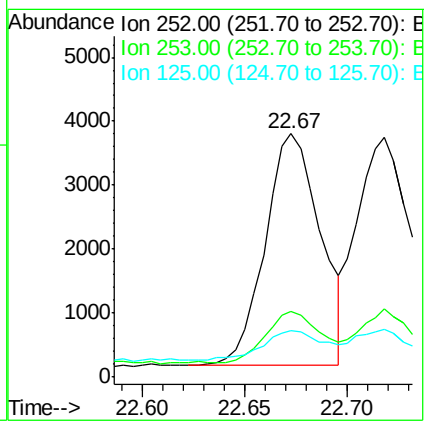


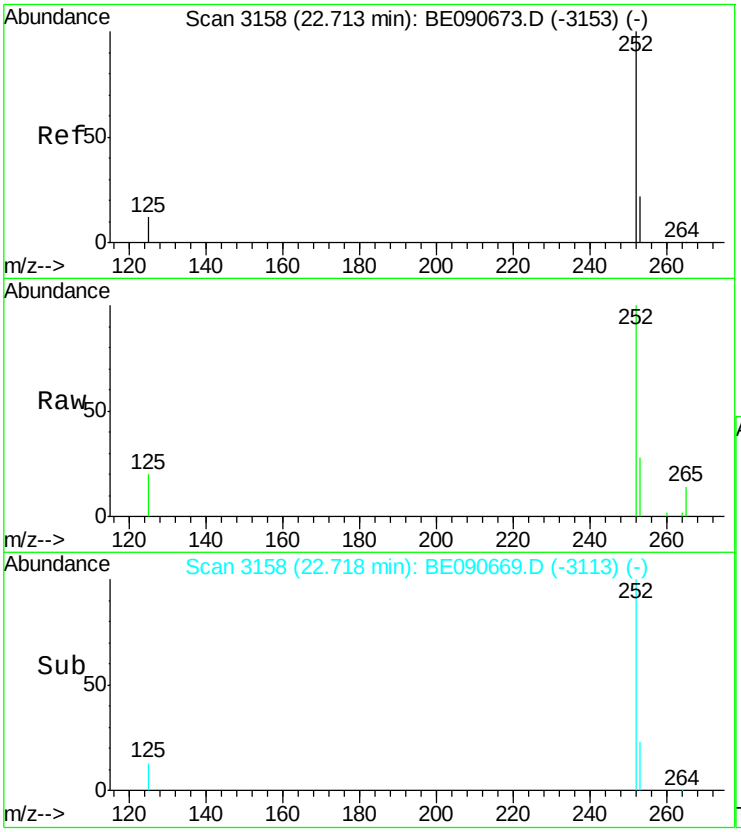


#33
Benzo(b)fluoranthene
Concen: 0.09 ng
RT: 22.67 min Scan# 3148
Delta R.T. 0.00 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion:252 Resp: 6819

Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.9	26.9#
125	19.0	10.6	16.0#





#34
Benzo(k)fluoranthene
Concen: 0.09 ng
RT: 22.72 min Scan# 3158
Delta R.T. 0.00 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion:252 Resp: 7662

Ion	Ratio	Lower	Upper
252	100		
253	28.2	17.9	26.9#
125	20.1	10.1	15.1#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
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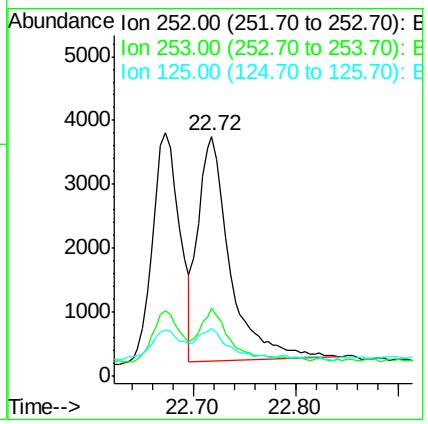
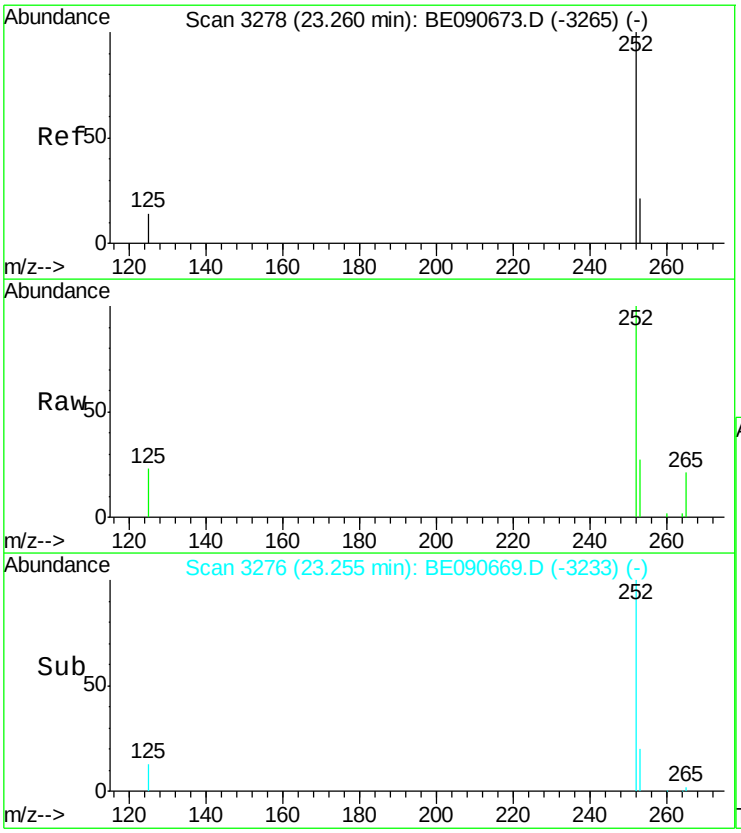
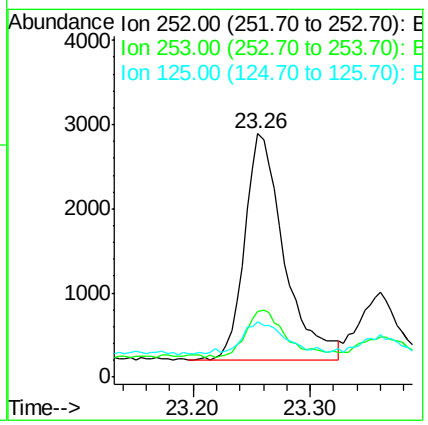


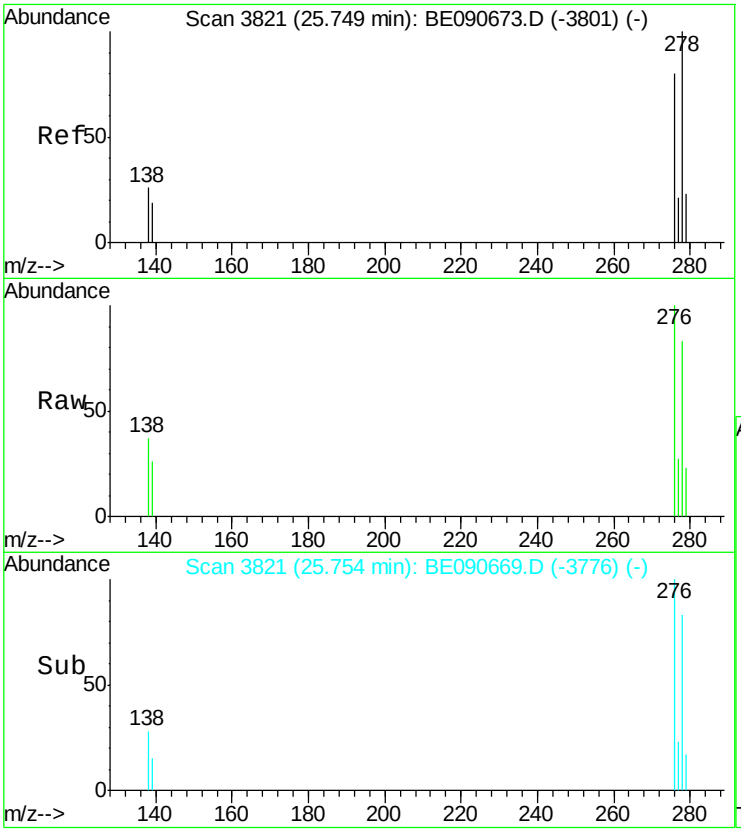


#35
Benzo(a)pyrene
Concen: 0.09 ng
RT: 23.26 min Scan# 3276
Delta R.T. -0.00 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion:252 Resp: 6247

Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.5	26.3#
125	22.9	11.6	17.4#





#36
Dibenzo(a,h)anthracene
Concen: 0.08 ng
RT: 25.75 min Scan# 3821
Delta R.T. 0.00 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion:278 Resp: 5476

Ion	Ratio	Lower	Upper
278	100		
139	31.1	15.4	23.0#
279	28.0	18.8	28.2

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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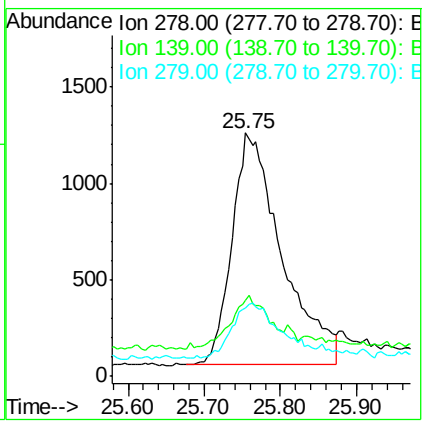

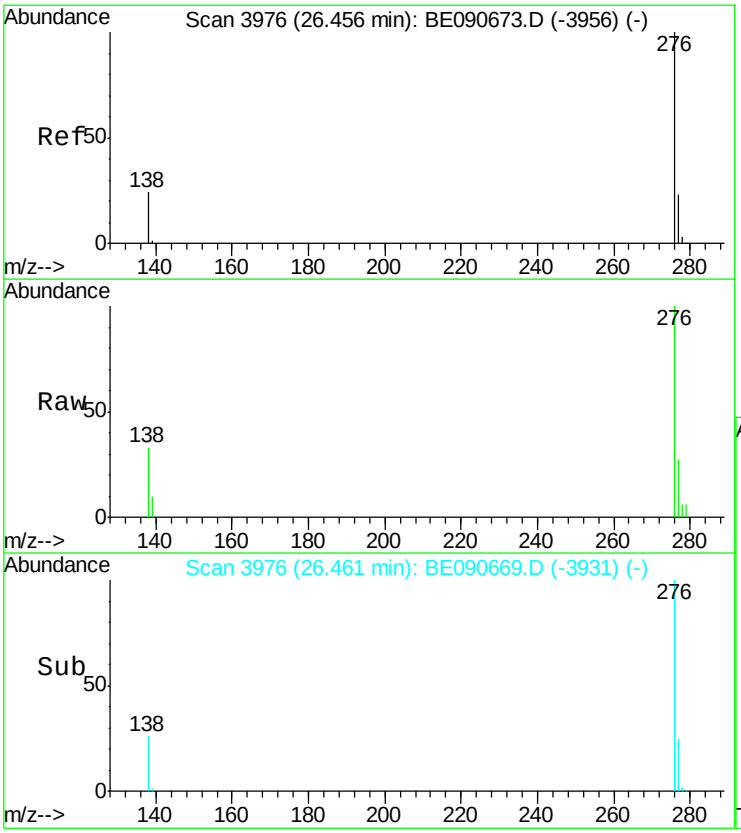

#37
Benzo(g,h,i)perylene
Concen: 0.09 ng
RT: 26.46 min Scan# 3976
Delta R.T. 0.00 min
Lab File: BE090669.D
Acq: 1 Sep 2015 16:53

Tgt Ion:276 Resp: 6918

Ion	Ratio	Lower	Upper
276	100		
277	27.2	18.5	27.7
138	33.3	20.1	30.1#