Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092815\
Data File : BE090973.D
Acq On : 28 Sep 2015 19:31
Operator : UM/IZ
Sample : SSTDICCC001
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Manual Integrations APPROVED
MMDadoda
9/29/2015 4:50:39 PM

Quant Time: Sep 29 07:17:34 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 29 05:34:47 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.49	152	34376	5.00	ng	0.00
7) Naphthalene-d8	10.25	136	156572	5.00	ng	0.00
13) Acenaphthene-d10	14.11	164	86706	5.00	ng	0.00
19) Phenanthrene-d10	16.86	188	203842	5.00	ng	0.00
26) Chrysene-d12	21.02	240	247119	5.00	ng	0.00
35) Perylene-d12	23.28	264	221824	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.12	112	6311m	0.49	ng	0.00
5) Phenol-d6	6.72	99	7875	0.42	ng	0.00
8) Nitrobenzene-d5	8.65	82	7998	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.64	330	2055	0.40	ng	0.00
15) 2-Fluorobiphenyl	12.75	172	21877	0.40	ng	0.00
29) Terphenyl-d14	19.50	244	27152	0.40	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.09	88	5245	0.41	ng	100
3) n-Nitrosodimethylamine	3.39	42	5471	0.41	ng	100
6) bis(2-Chloroethyl)ether	6.98	93	10123m	0.51	ng	
9) Nitrobenzene	8.70	77	8101	0.39	ng	100
10) Naphthalene	10.29	128	32054	0.39	ng	100
11) Hexachlorobutadiene	10.59	225	5582	0.40	ng	100
12) 2-Methylnaphthalene	11.95	142	18685	0.39	ng	100
16) Acenaphthylene	13.83	152	132729	0.40	ng	100
17) Acenaphthene	14.17	154	21755	0.40	ng	100
18) Fluorene	15.17	166	26706	0.40	ng	100
20) 4-Bromophenyl-phenylether	16.07	248	7082	0.39	ng	99
21) Hexachlorobenzene	16.18	284	37780	0.40	ng	100
22) Pentachlorophenol	16.56	266	1826m	0.37	ng	
23) Phenanthrene	16.91	178	46956	0.40	ng	100
24) Anthracene	17.01	178	40745m	0.42	ng	
25) Fluoranthene	18.91	202	49876	0.40	ng	100
27) Benzidine	19.15	184	3624	0.40	ng	100
28) Pyrene	19.28	202	52587	0.40	ng	100
30) Benzo(a)anthracene	21.01	228	52301	0.40	ng	100
31) 3,3'-Dichlorobenzidine	20.97	252	7255	0.40	ng	100
32) Chrysene	21.05	228	63546m	0.42	ng	
33) Bis(2-ethylhexyl)phthalate	20.96	149	14753	0.40	ng	100
34) Indeno(1,2,3-cd)pyrene	25.60	276	51737	0.40	ng	99
36) Benzo(b)fluoranthene	22.59	252	43896	0.40	ng	100
37) Benzo(k)fluoranthene	22.64	252	60329m	0.44	ng	
38) Benzo(a)pyrene	23.17	252	39203	0.40	ng	100
39) Dibenzo(a,h)anthracene	25.63	278	37697	0.39	ng	100
40) Benzo(g,h,i)perylene	26.31	276	42241	0.40	ng	100

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092815\
Data File : BE090973.D
Acq On : 28 Sep 2015 19:31
Operator : UM/IZ
Sample : SSTDICCC001
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 07:17:34 2015
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QLast Update : Tue Sep 29 05:34:47 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Manual Integrations APPROVED
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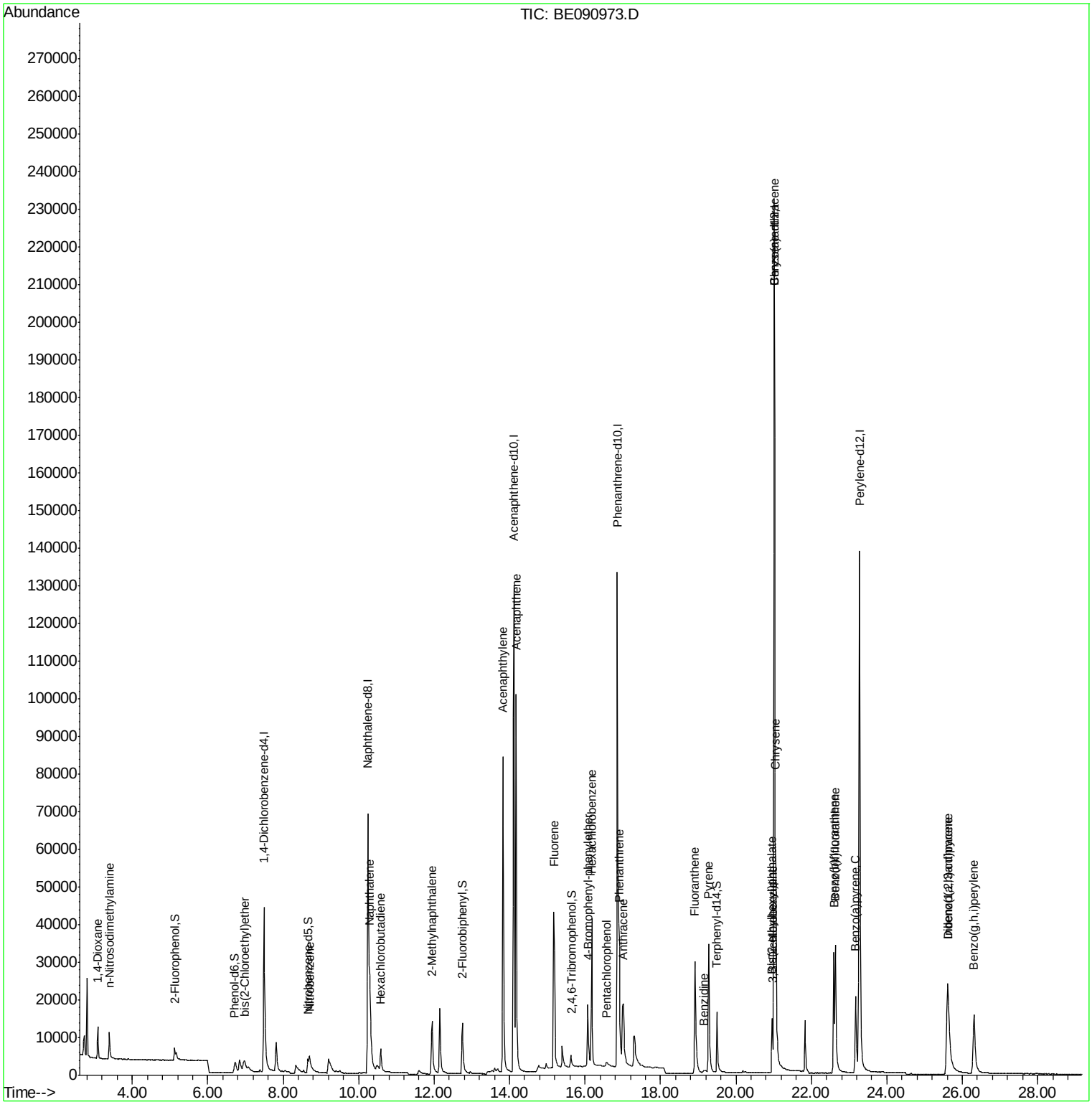
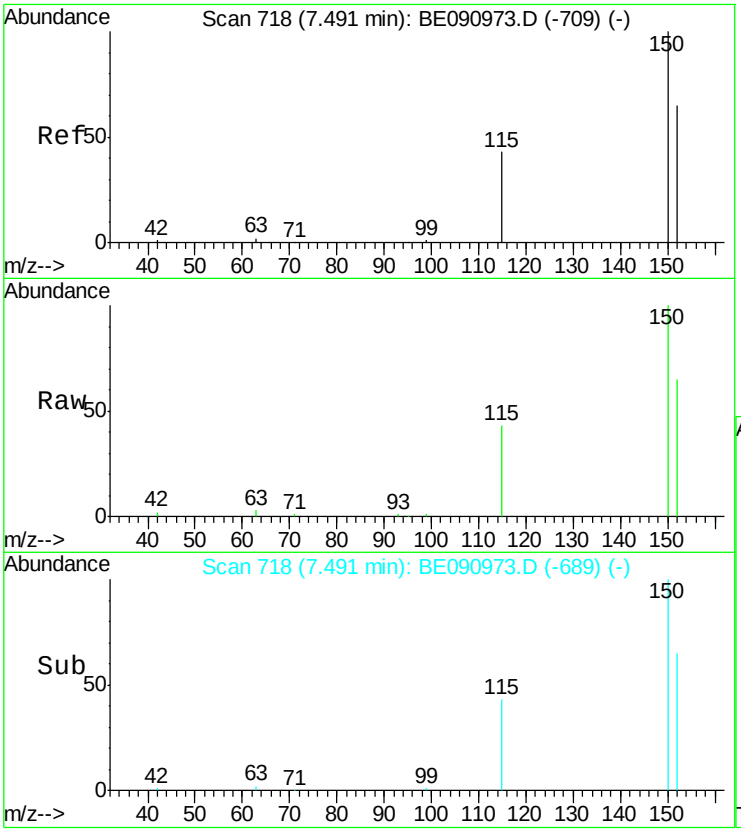
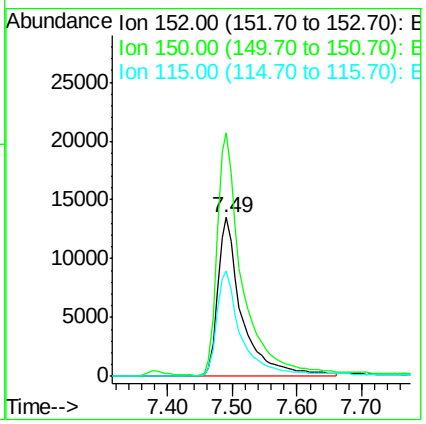




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.49 min Scan# 718
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:152 Resp: 34376

Ion	Ratio	Lower	Upper
152	100		
150	153.2	122.6	183.8
115	66.0	52.8	79.2



Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Manual Integrations APPROVED
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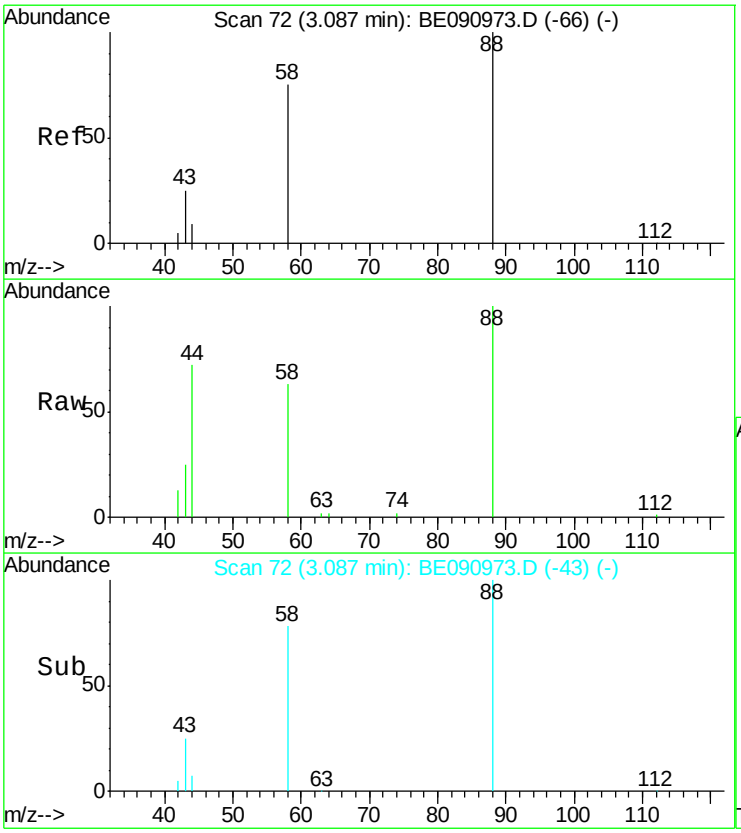
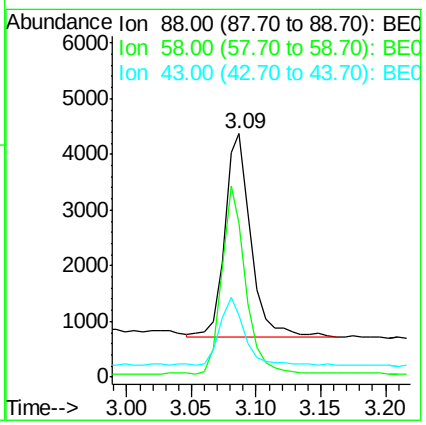
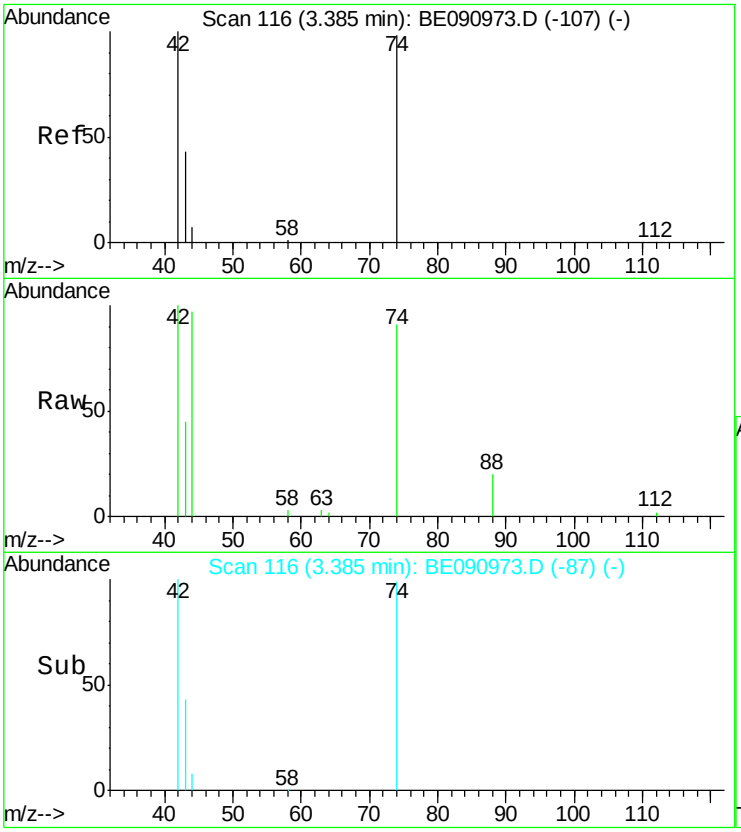


#2
1,4-Dioxane
Concen: 0.41 ng
RT: 3.09 min Scan# 72
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion: 88 Resp: 5245

Ion	Ratio	Lower	Upper
88	100		
58	82.2	65.8	98.6
43	31.6	25.3	37.9

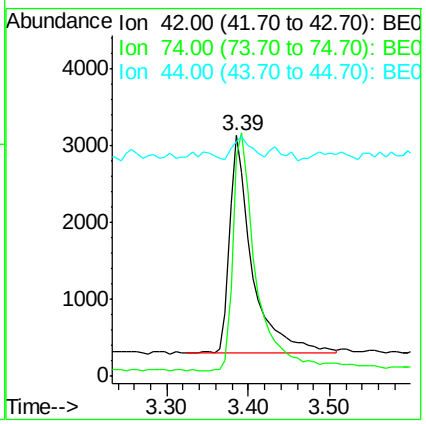




#3
n-Nitrosodimethylamine
Concen: 0.41 ng
RT: 3.39 min Scan# 116
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion: 42 Resp: 5471

Ion	Ratio	Lower	Upper
42	100		
74	109.9	87.9	131.9
44	8.2	6.6	9.8



Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Manual Integrations APPROVED
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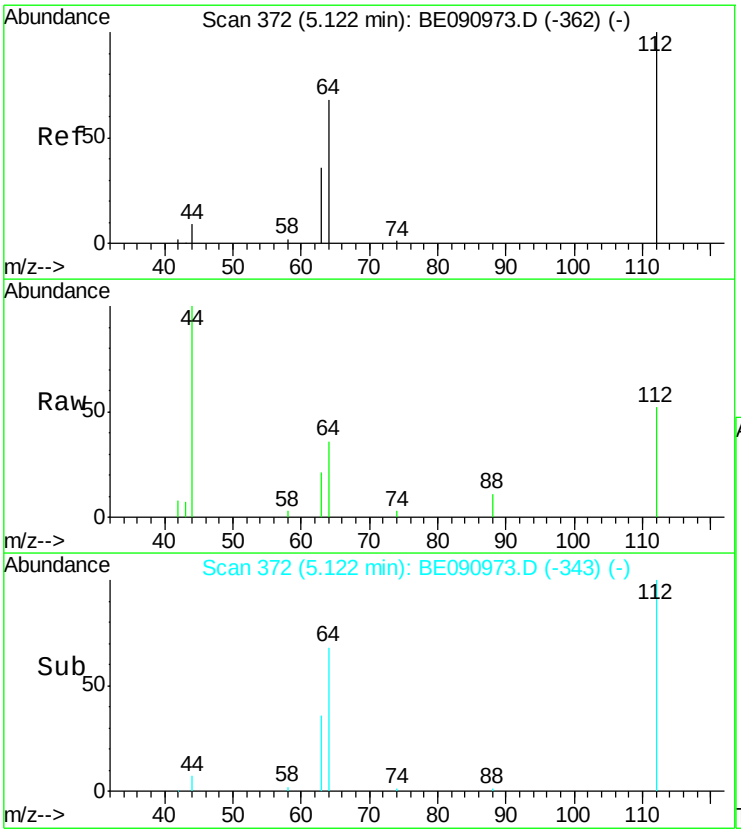
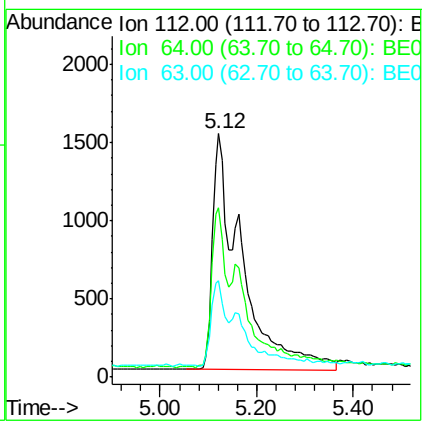
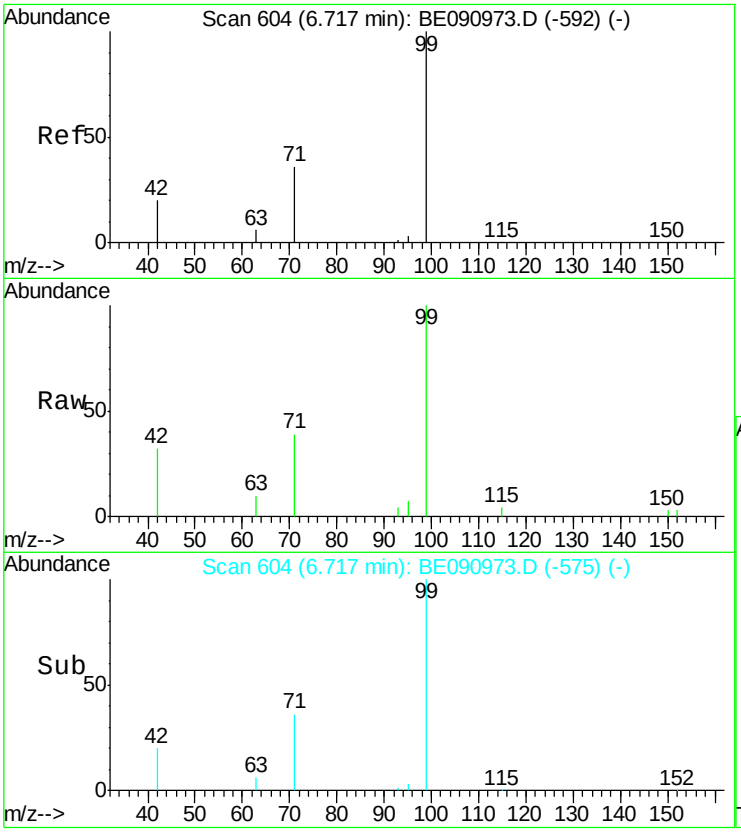


#4
2-Fluorophenol
Concen: 0.49 ng m
RT: 5.12 min Scan# 372
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:112 Resp: 6311

Ion	Ratio	Lower	Upper
112	100		
64	32.2	30.9	46.3
63	17.4	16.7	25.1

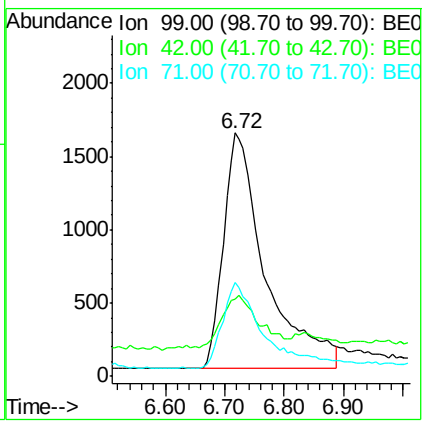




#5
Phenol-d6
Concen: 0.42 ng
RT: 6.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion: 99 Resp: 7875

Ion	Ratio	Lower	Upper
99	100		
42	19.7	16.2	24.2
71	35.8	29.0	43.4



Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Manual Integrations APPROVED
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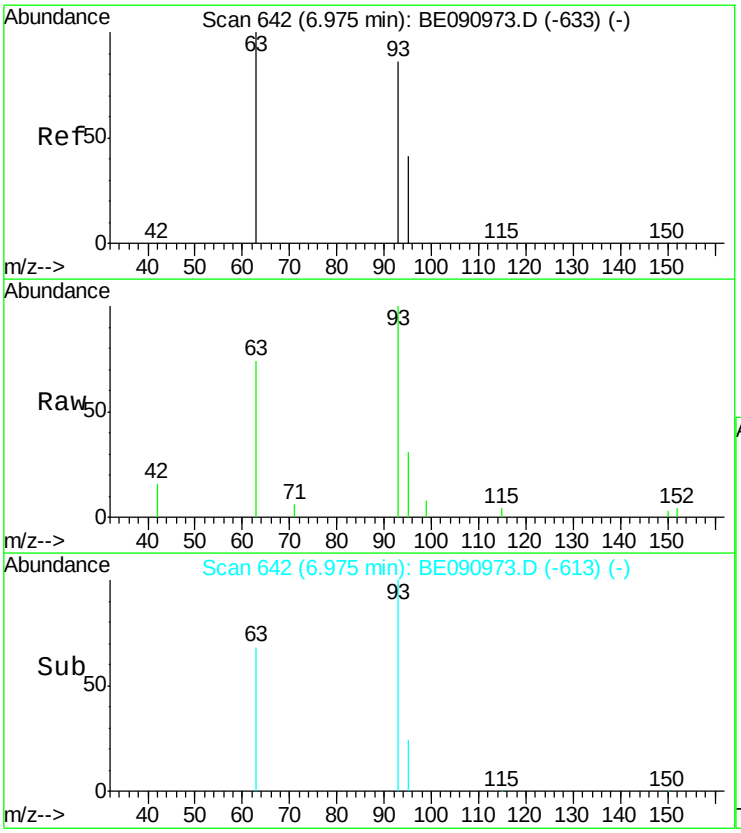
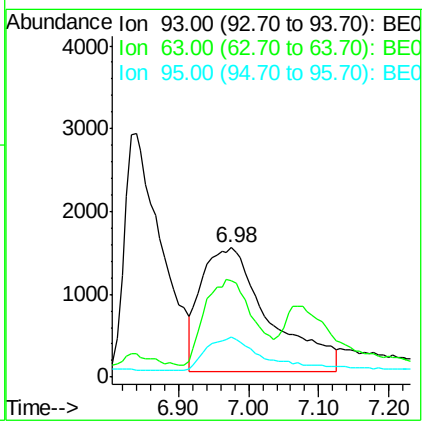
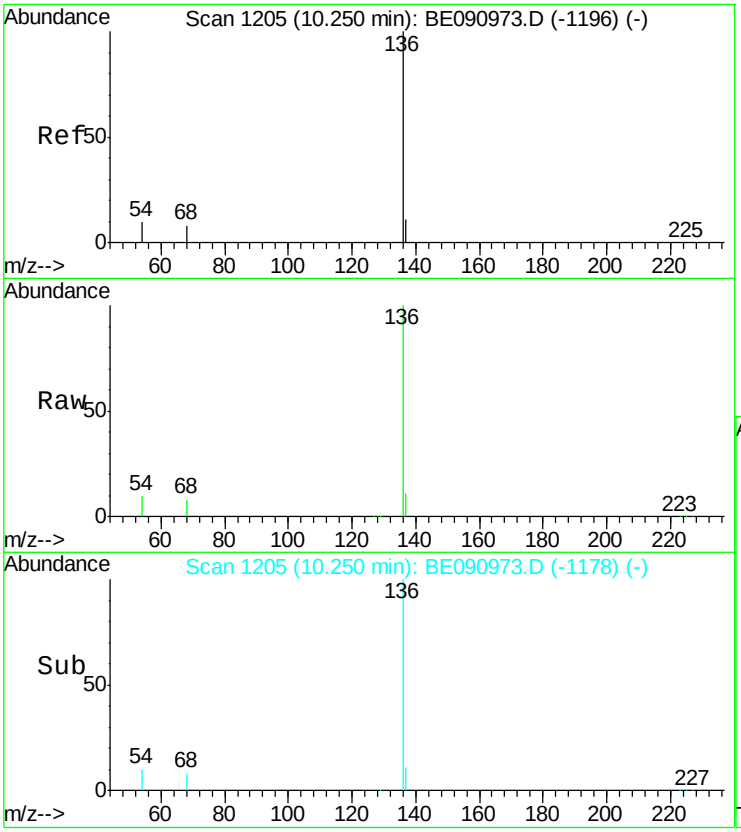


#6
bis(2-Chloroethyl)ether
Concen: 0.51 ng m
RT: 6.98 min Scan# 642
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion: 93 Resp: 10123

Ion	Ratio	Lower	Upper
93	100		
63	49.3	49.5	74.3#
95	23.3	22.2	33.4

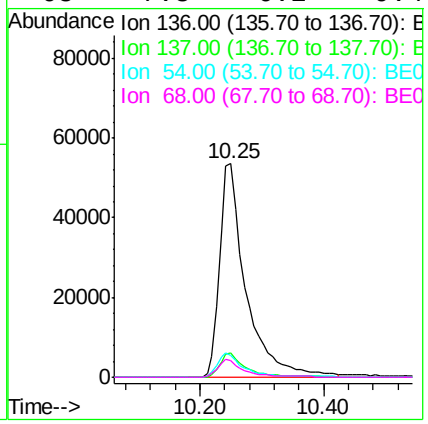




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.25 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:136 Resp: 156572

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	10.3	8.2	12.4
68	7.8	6.2	9.4



Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Manual Integrations APPROVED
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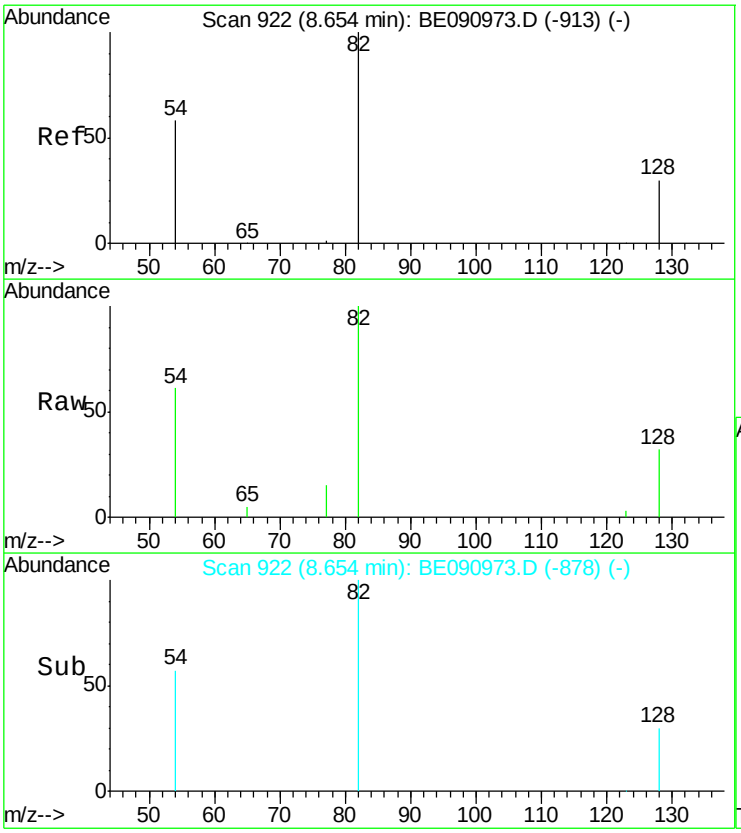
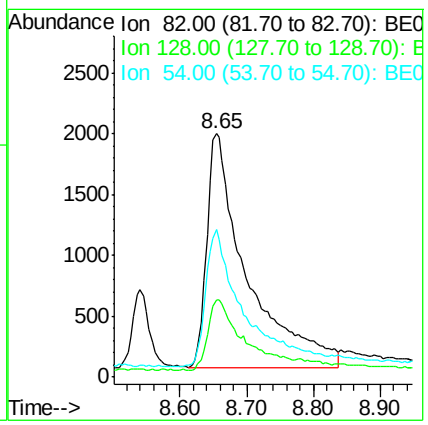
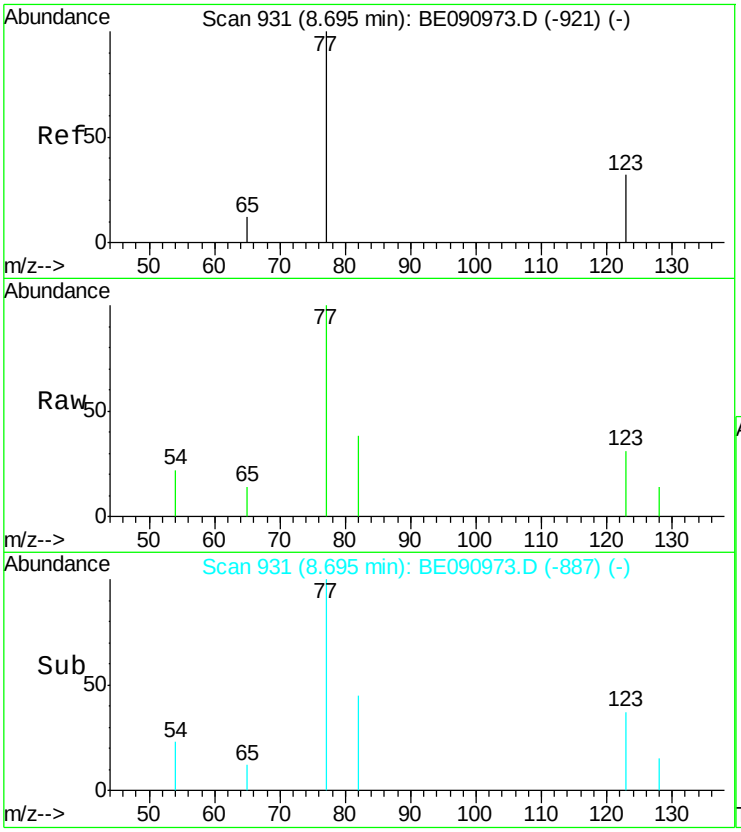


#8
Nitrobenzene-d5
Concen: 0.39 ng
RT: 8.65 min Scan# 922
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion: 82 Resp: 7998

Ion	Ratio	Lower	Upper
82	100		
128	31.7	25.4	38.0
54	60.5	48.4	72.6

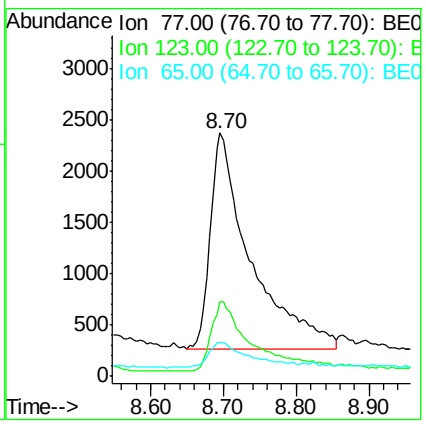




#9
Nitrobenzene
Concen: 0.39 ng
RT: 8.70 min Scan# 931
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion: 77 Resp: 8101

Ion	Ratio	Lower	Upper
77	100		
123	33.6	26.9	40.3
65	11.8	9.4	14.2



Instrument :
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ClientSampleId :
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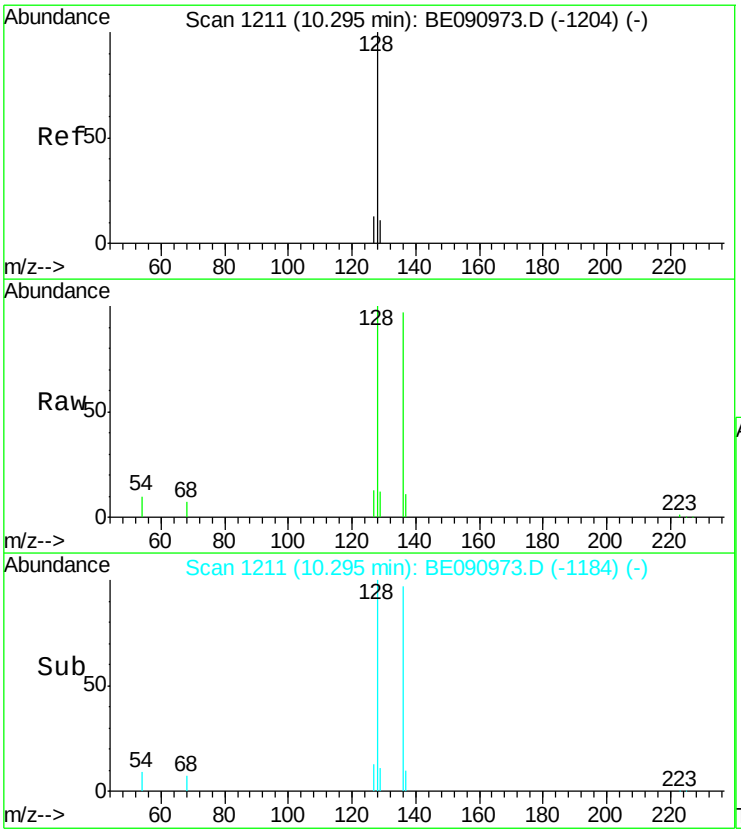
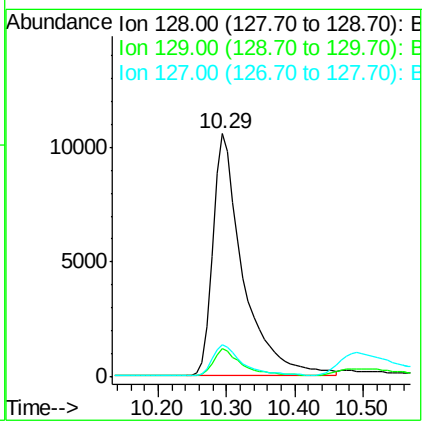
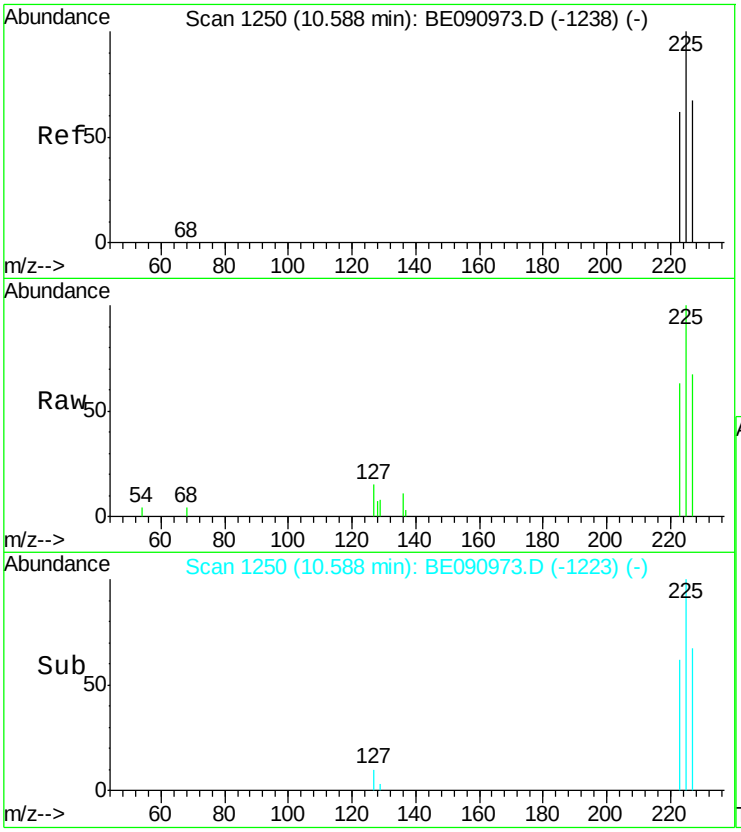


#10
Naphthalene
Concen: 0.39 ng
RT: 10.29 min Scan# 1211
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:128 Resp: 32054

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.3	13.9
127	13.4	10.7	16.1

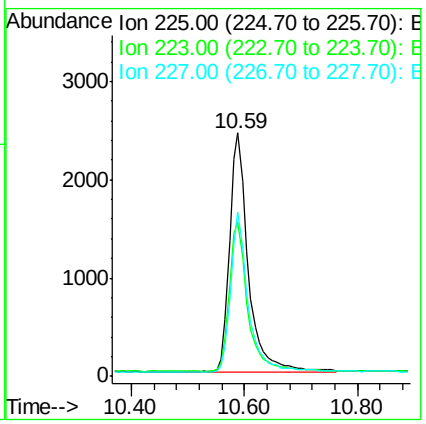




#11
Hexachlorobutadiene
Concen: 0.40 ng
RT: 10.59 min Scan# 1250
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:225 Resp: 5582

Ion	Ratio	Lower	Upper
225	100		
223	61.2	49.0	73.6
227	62.9	50.3	75.5



Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

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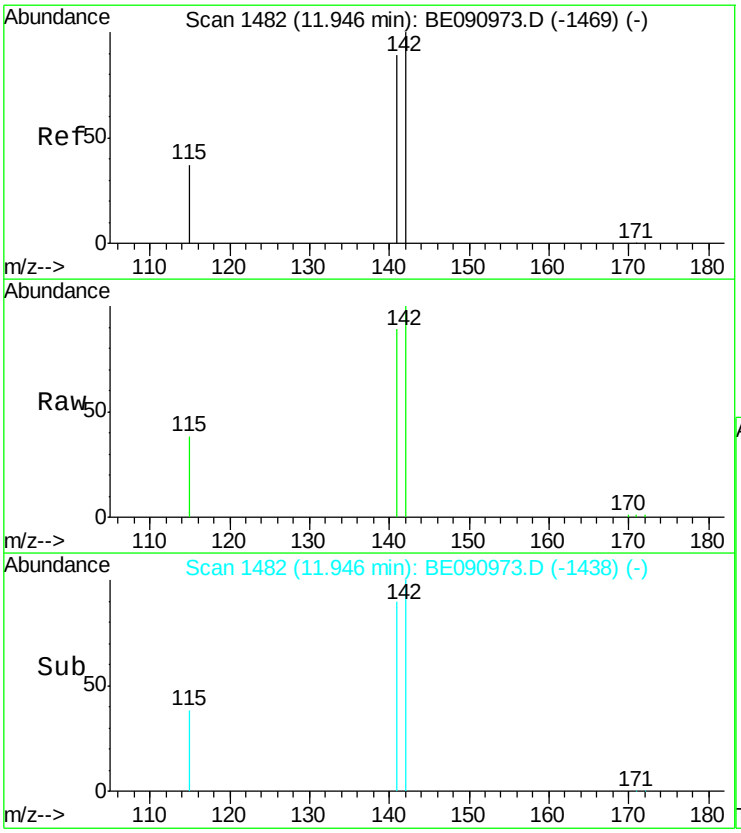
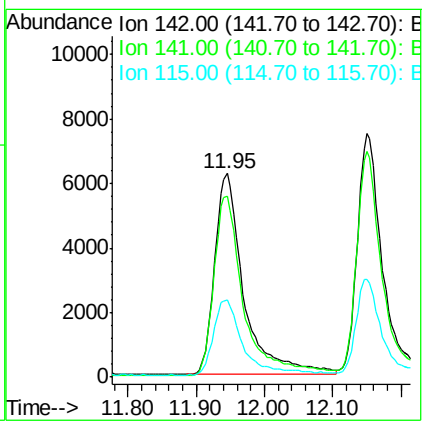
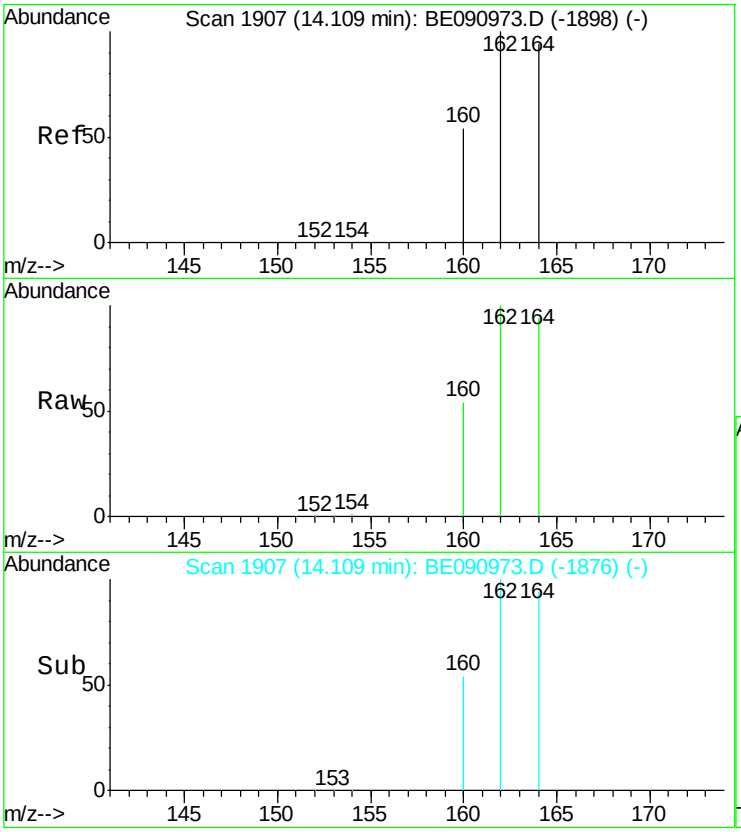


#12
2-Methylnaphthalene
Concen: 0.39 ng
RT: 11.95 min Scan# 1482
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:142 Resp: 18685

Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.4	107.0
115	37.9	30.3	45.5





#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.11 min Scan# 1907
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:164 Resp: 86706

Ion	Ratio	Lower	Upper
164	100		
162	106.6	85.3	127.9
160	57.7	46.2	69.2

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Manual Integrations APPROVED
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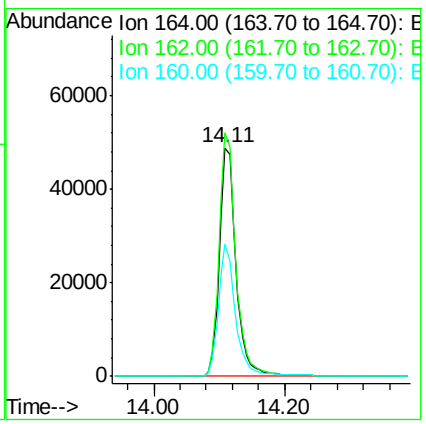
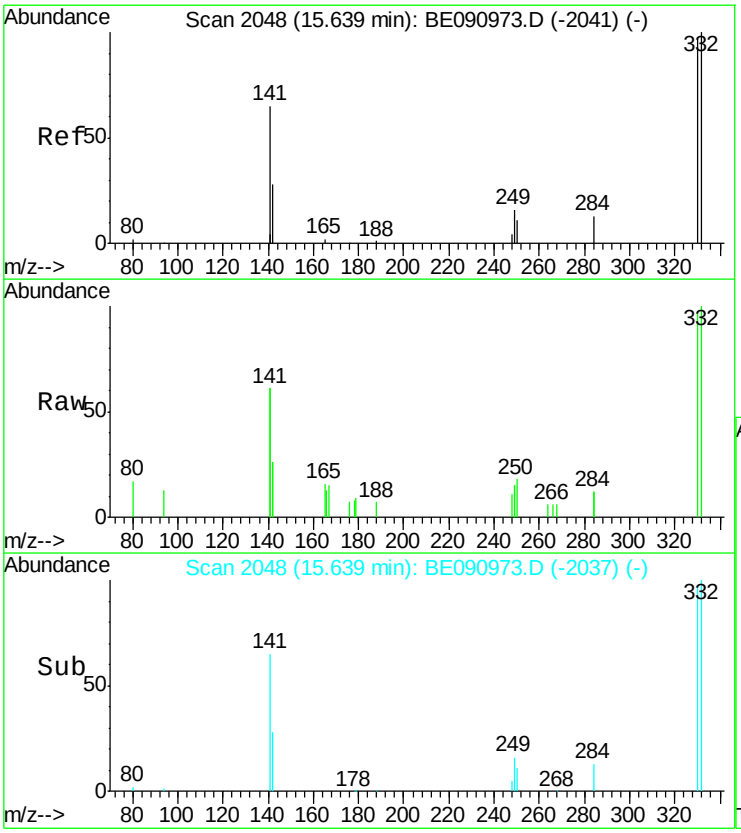
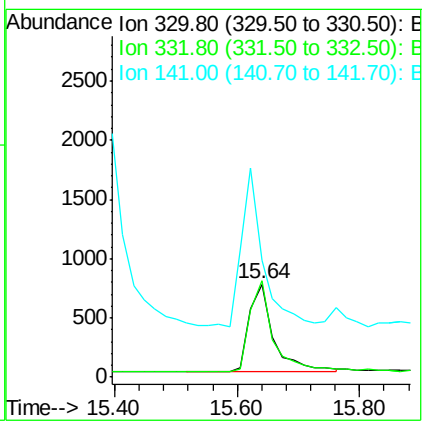


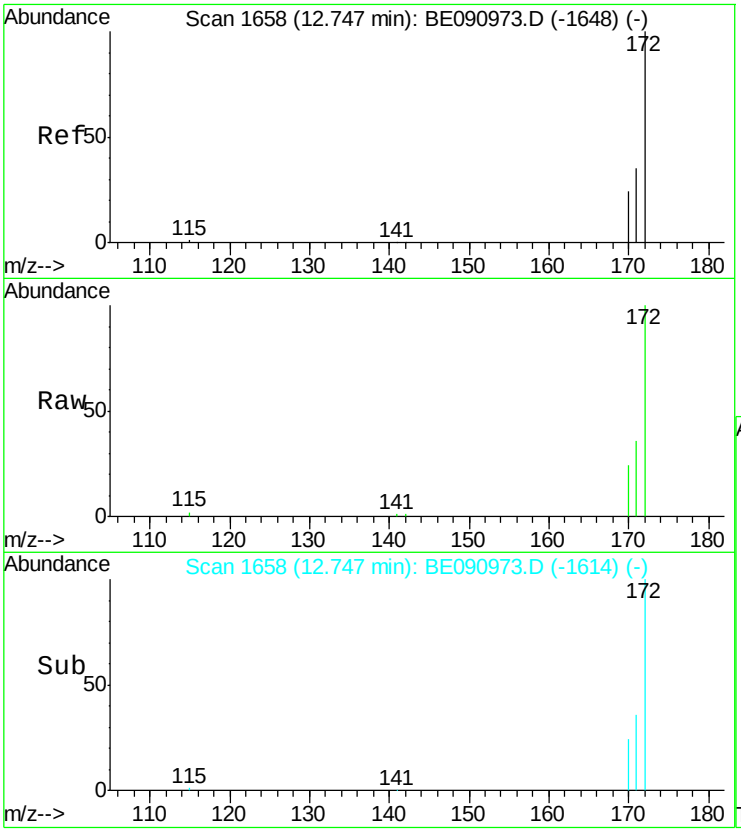


#14
2,4,6-Tribromophenol
Concen: 0.40 ng
RT: 15.64 min Scan# 2048
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:330 Resp: 2055

Ion	Ratio	Lower	Upper
330	100		
332	98.9	79.1	118.7
141	156.7	125.4	188.0

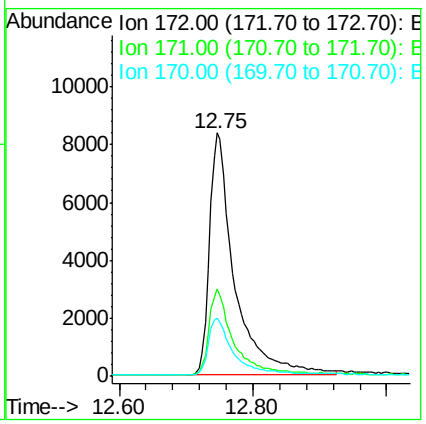




#15
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 12.75 min Scan# 1658
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:172 Resp: 21877

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	24.1	19.3	28.9



Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Manual Integrations APPROVED
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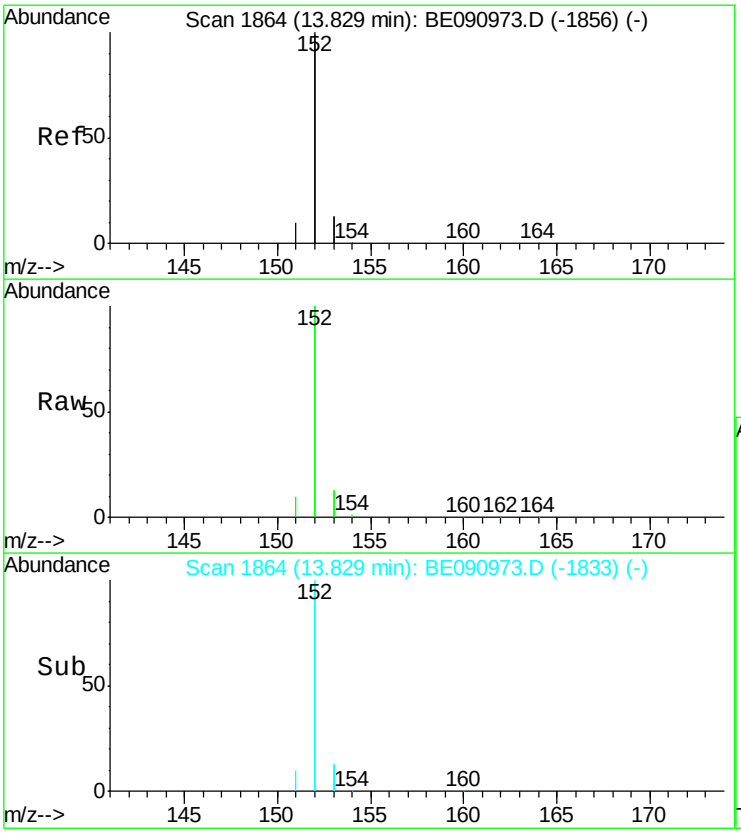
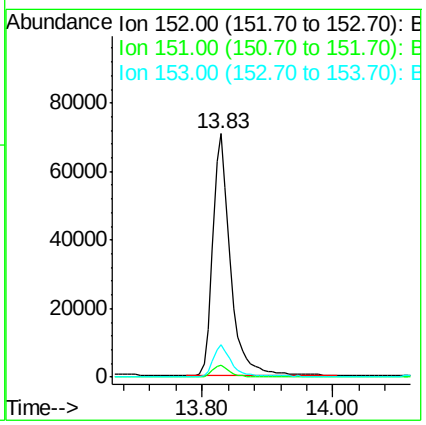
9/29/2015 4:50:39 PM

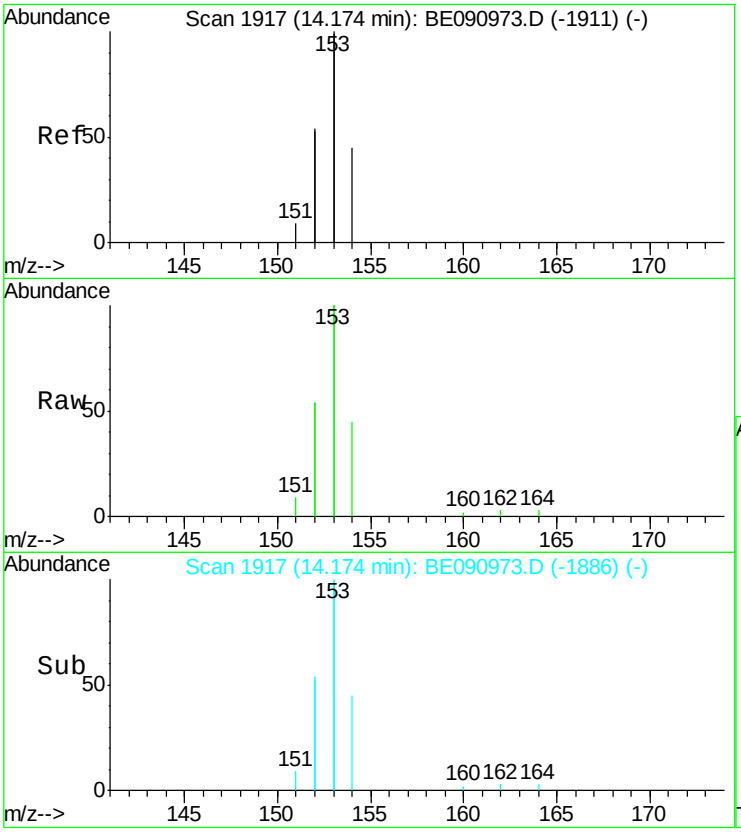


#16
Acenaphthylene
Concen: 0.40 ng
RT: 13.83 min Scan# 1864
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:152 Resp: 132729

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	12.9	10.3	15.5

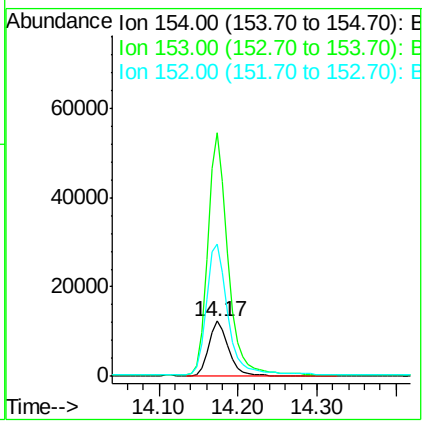




#17
Acenaphthene
Concen: 0.40 ng
RT: 14.17 min Scan# 1917
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:154 Resp: 21755

Ion	Ratio	Lower	Upper
154	100		
153	440.0	352.0	528.0
152	251.2	200.0	300.0



Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

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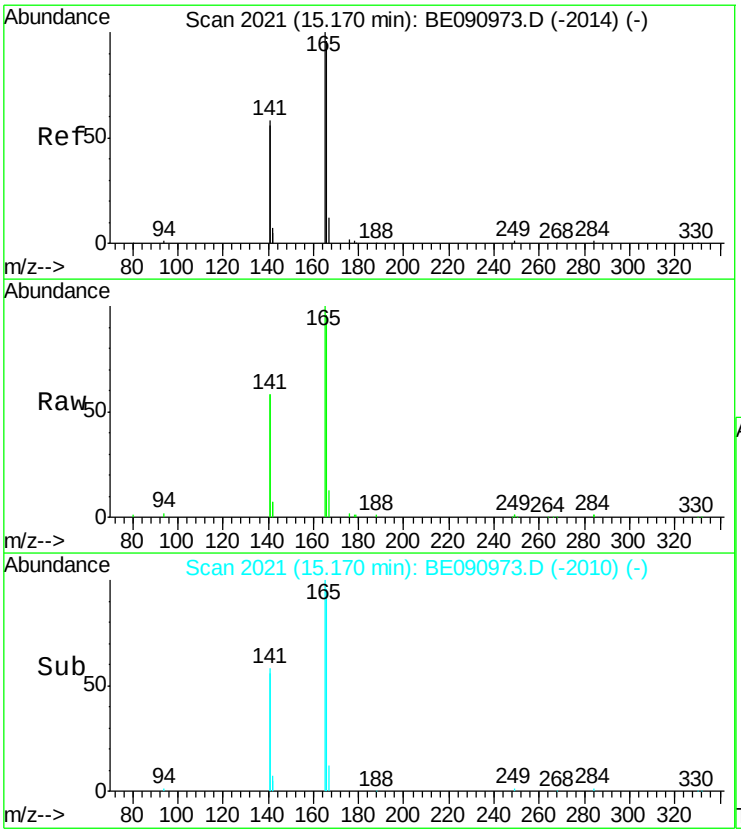
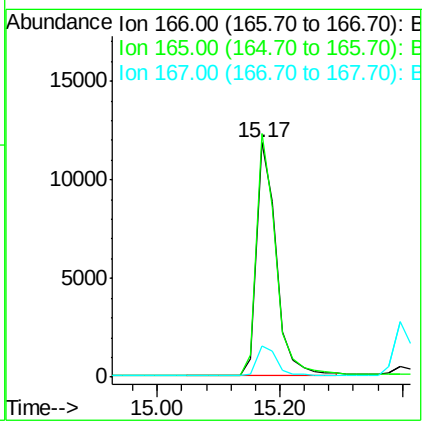
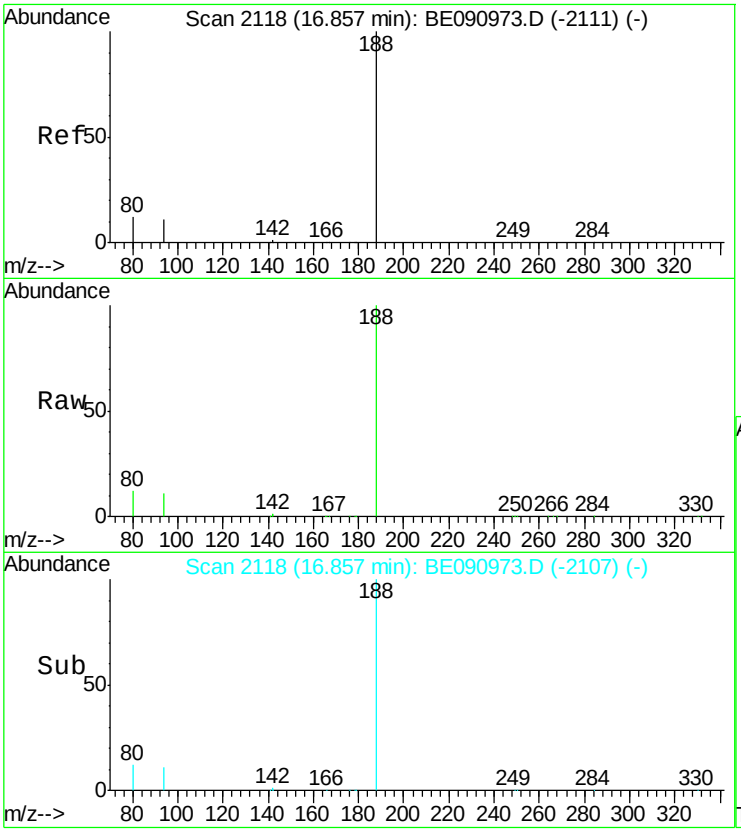


#18
Fluorene
Concen: 0.40 ng
RT: 15.17 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:166 Resp: 26706

Ion	Ratio	Lower	Upper
166	100		
165	101.0	80.8	121.2
167	13.6	10.9	16.3





#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.86 min Scan# 2118
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:188 Resp: 203842

Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.7	13.1
80	11.7	9.4	14.0

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

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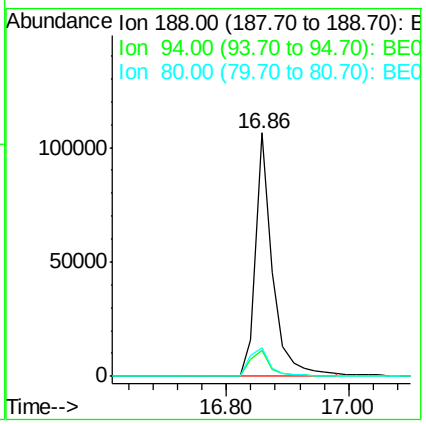
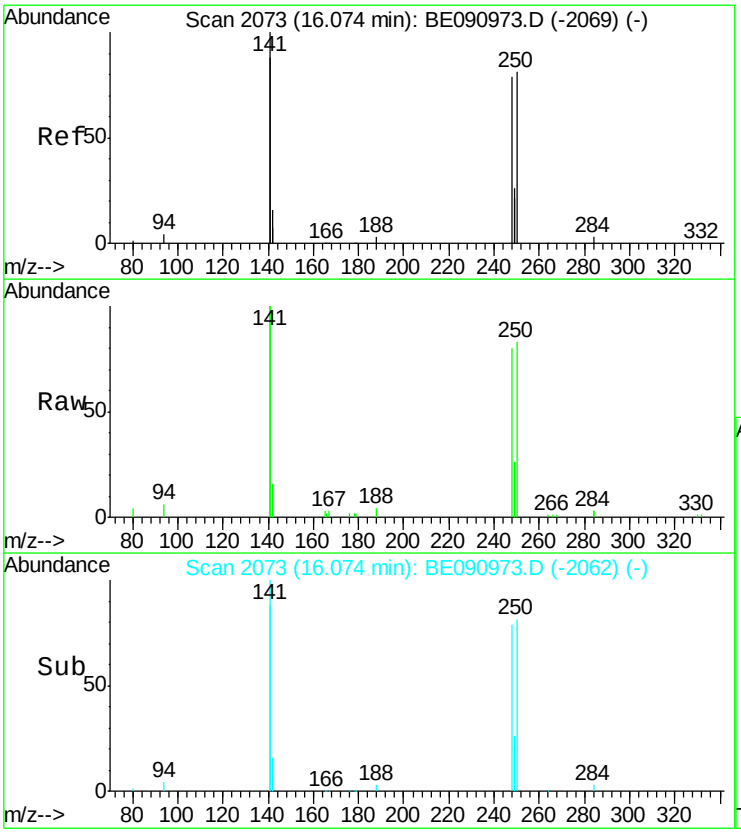
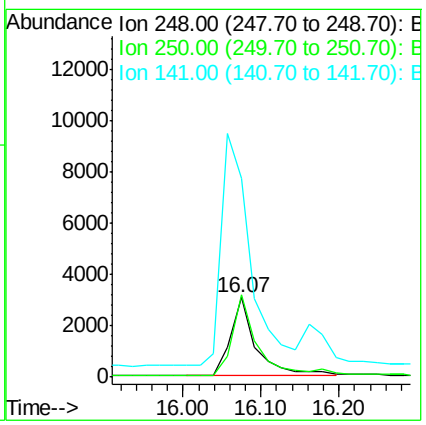


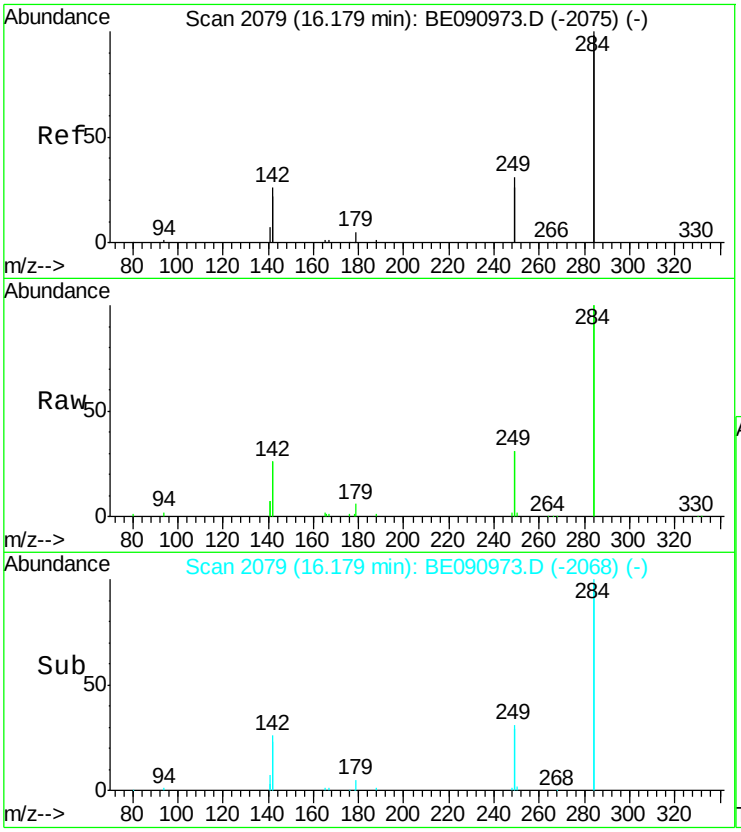


#20
4-Bromophenyl-phenylether
Concen: 0.39 ng
RT: 16.07 min Scan# 2073
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:248 Resp: 7082

Ion	Ratio	Lower	Upper
248	100		
250	100.5	80.5	120.7
141	330.5	261.9	392.9





#21
Hexachlorobenzene
Concen: 0.40 ng
RT: 16.18 min Scan# 2079
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:284 Resp: 37780

Ion	Ratio	Lower	Upper
284	100		
142	40.3	32.2	48.2
249	31.7	25.4	38.2

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

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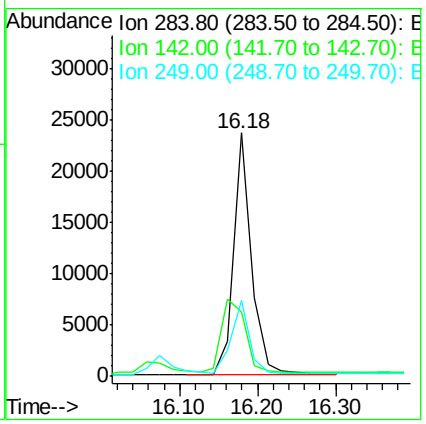
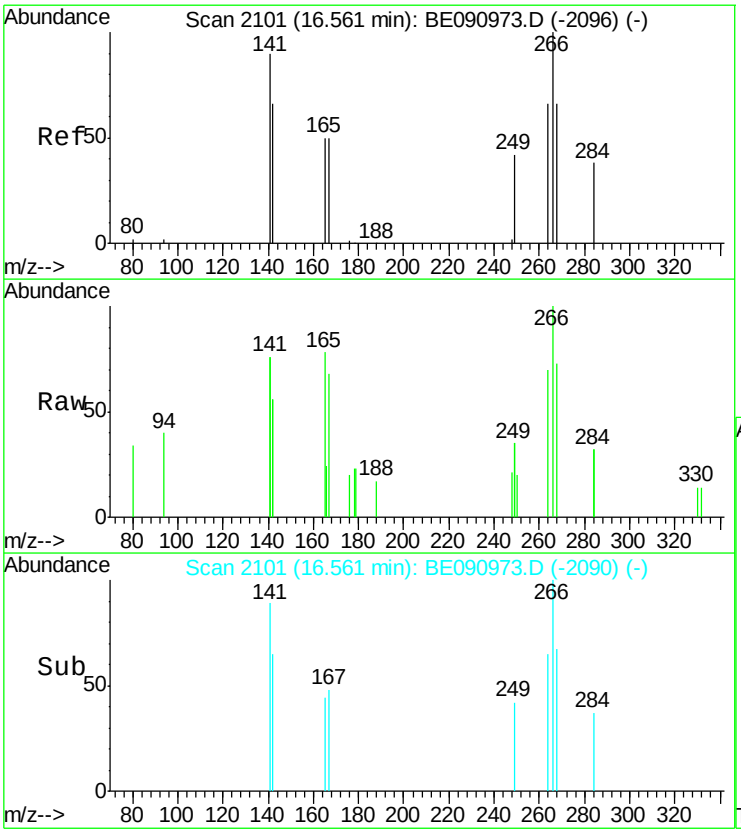
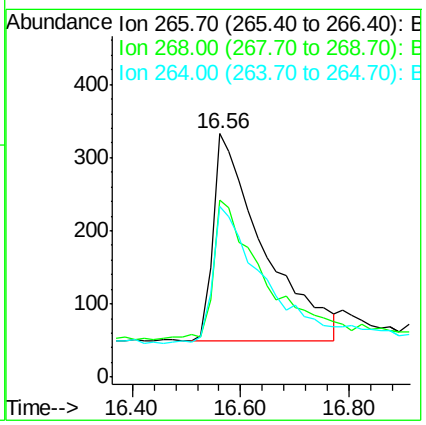


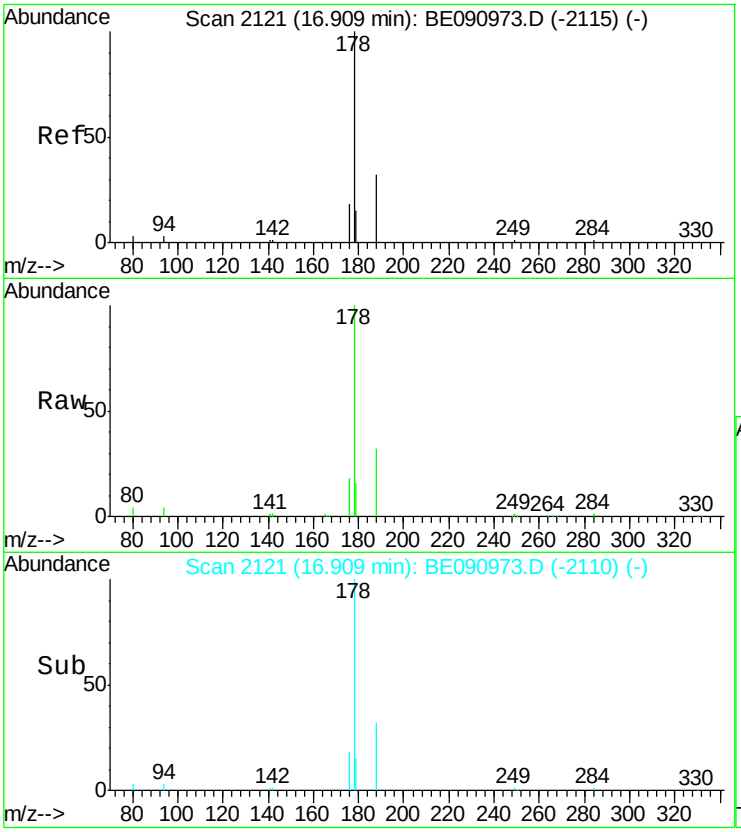


#22
Pentachlorophenol
Concen: 0.37 ng m
RT: 16.56 min Scan# 2101
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:266 Resp: 1826

Ion	Ratio	Lower	Upper
266	100		
268	72.7	58.2	87.2
264	70.3	56.2	84.4

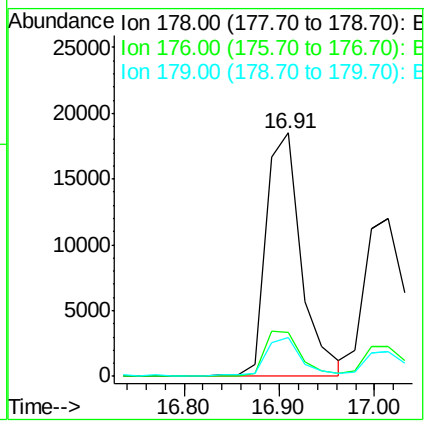




#23
Phenanthrene
Concen: 0.40 ng
RT: 16.91 min Scan# 2121
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:178 Resp: 46956

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.7	12.6	18.8



Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

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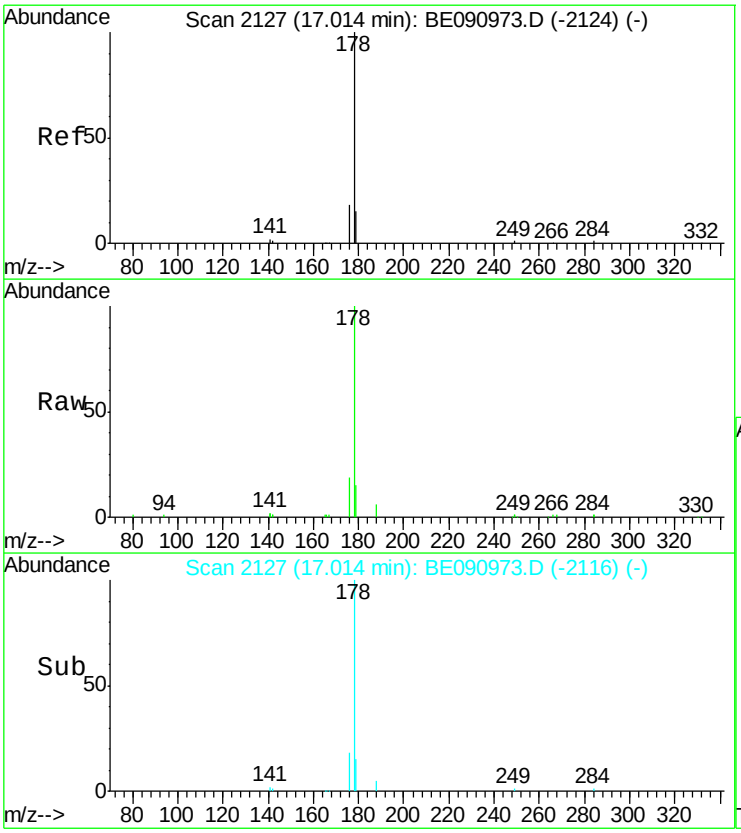
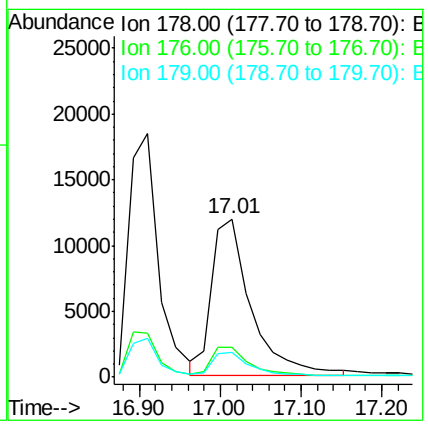
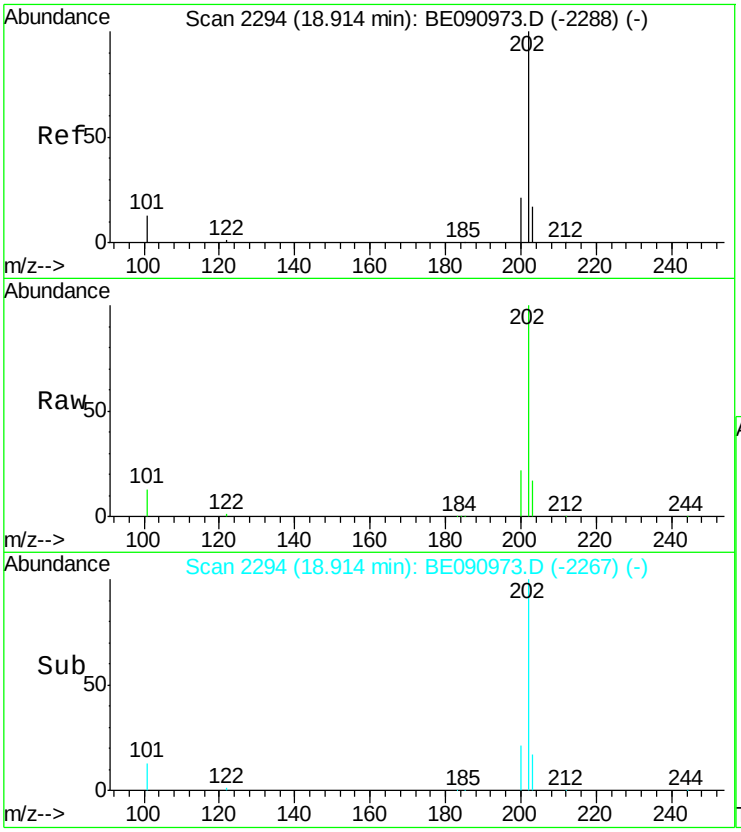


#24
Anthracene
Concen: 0.42 ng m
RT: 17.01 min Scan# 2127
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:178 Resp: 40745

Ion	Ratio	Lower	Upper
178	100		
176	17.4	14.6	21.8
179	13.6	11.8	17.6





#25
Fluoranthene
Concen: 0.40 ng
RT: 18.91 min Scan# 2294
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:202 Resp: 49876

Ion	Ratio	Lower	Upper
202	100		
101	13.8	11.0	16.6
203	17.4	13.9	20.9

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

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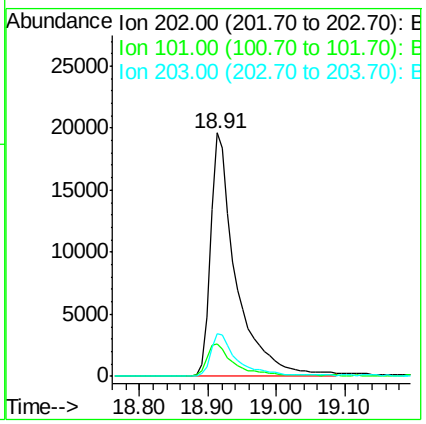
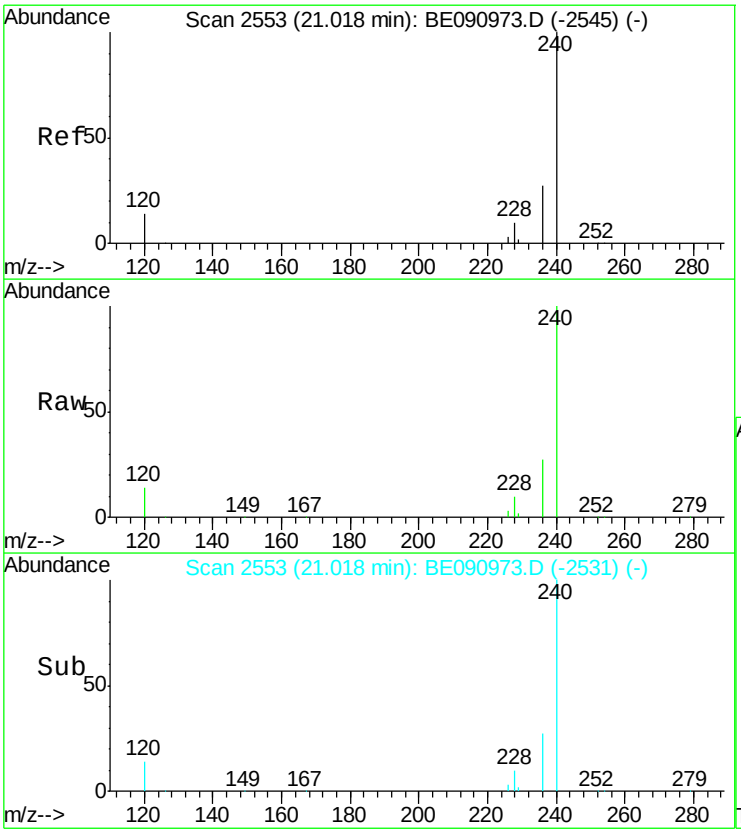
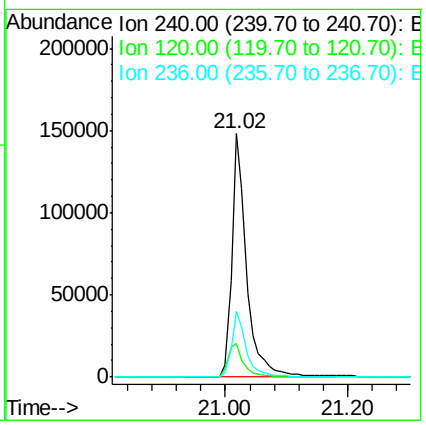


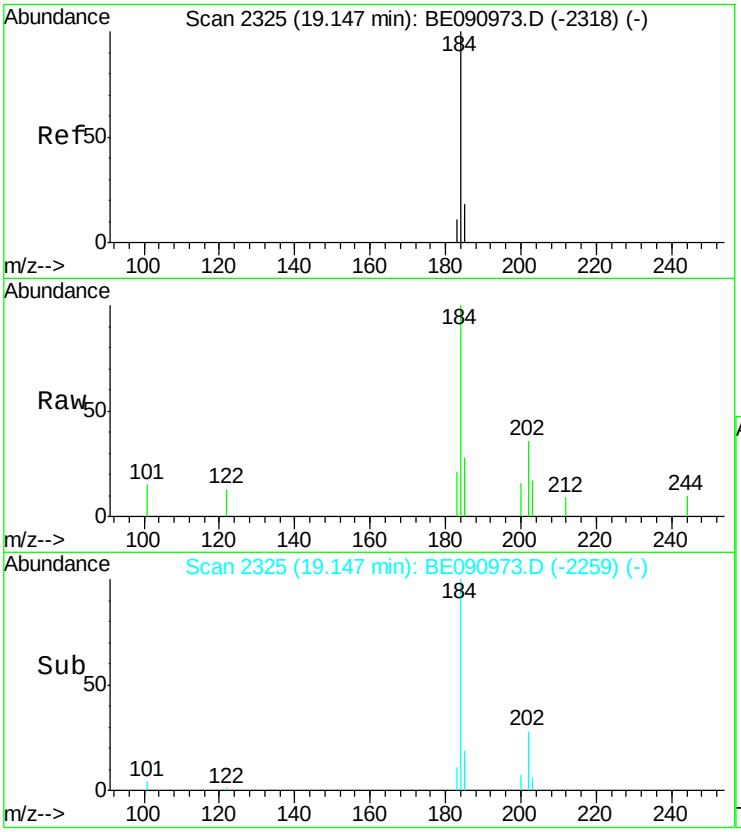


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.02 min Scan# 2553
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:240 Resp: 247119

Ion	Ratio	Lower	Upper
240	100		
120	13.7	11.0	16.4
236	27.1	21.7	32.5





#27
Benzidine
Concen: 0.40 ng
RT: 19.15 min Scan# 2325
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:184 Resp: 3624

Ion	Ratio	Lower	Upper
184	100		
185	27.9	22.3	33.5
183	20.5	16.4	24.6

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

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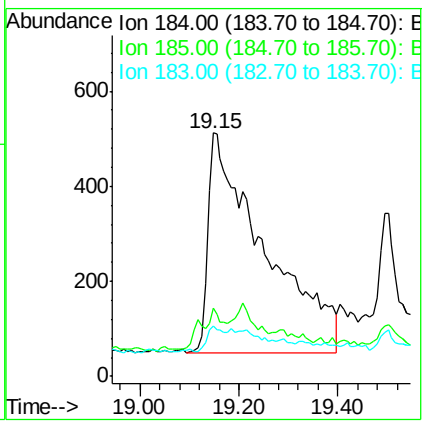
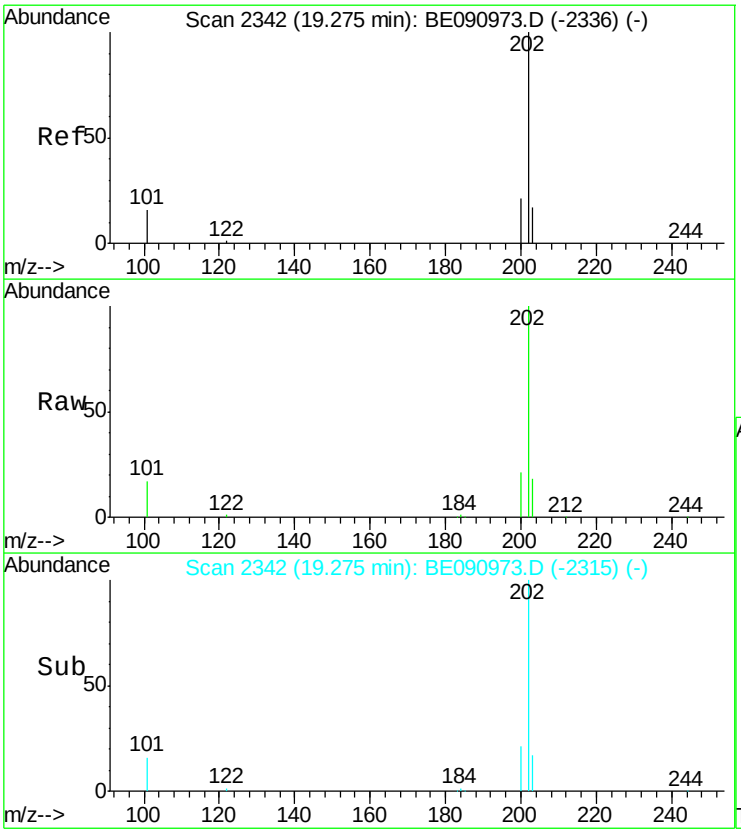
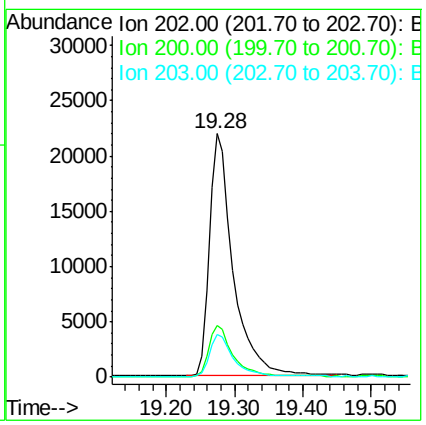


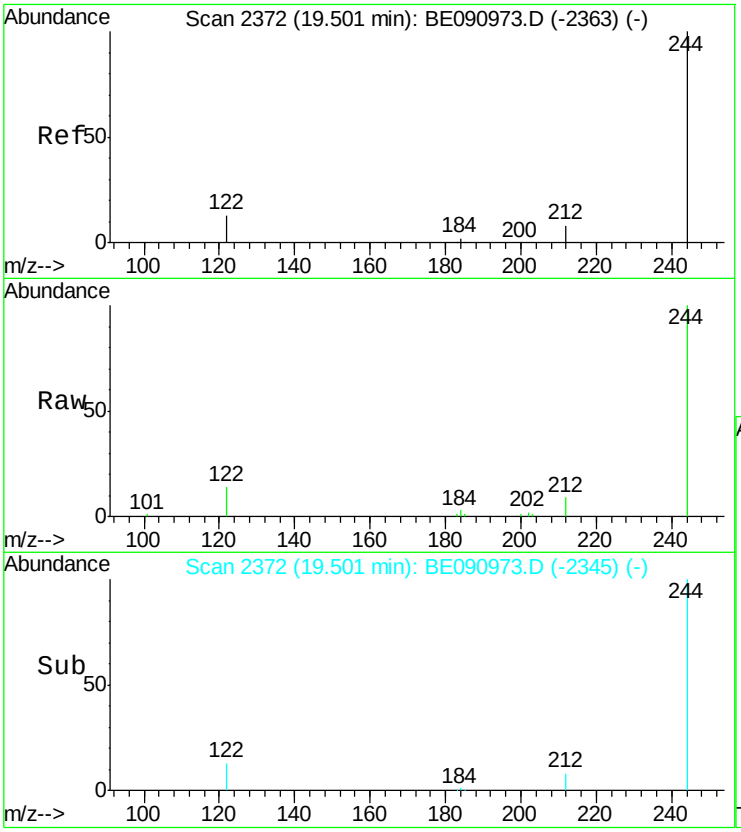


#28
Pyrene
Concen: 0.40 ng
RT: 19.28 min Scan# 2342
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:202 Resp: 52587

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.5	14.0	21.0

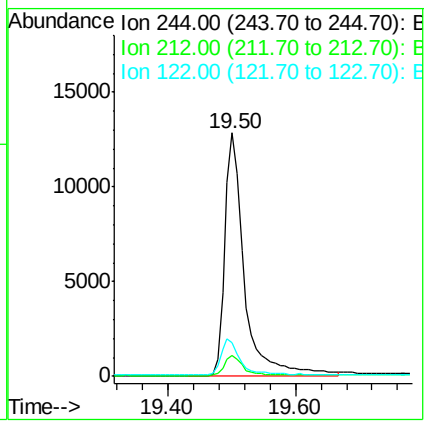




#29
Terphenyl-d14
Concen: 0.40 ng
RT: 19.50 min Scan# 2372
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:244 Resp: 27152

Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.9	10.3
122	13.7	11.0	16.4



Instrument :
BNA_E
ClientSampleId :
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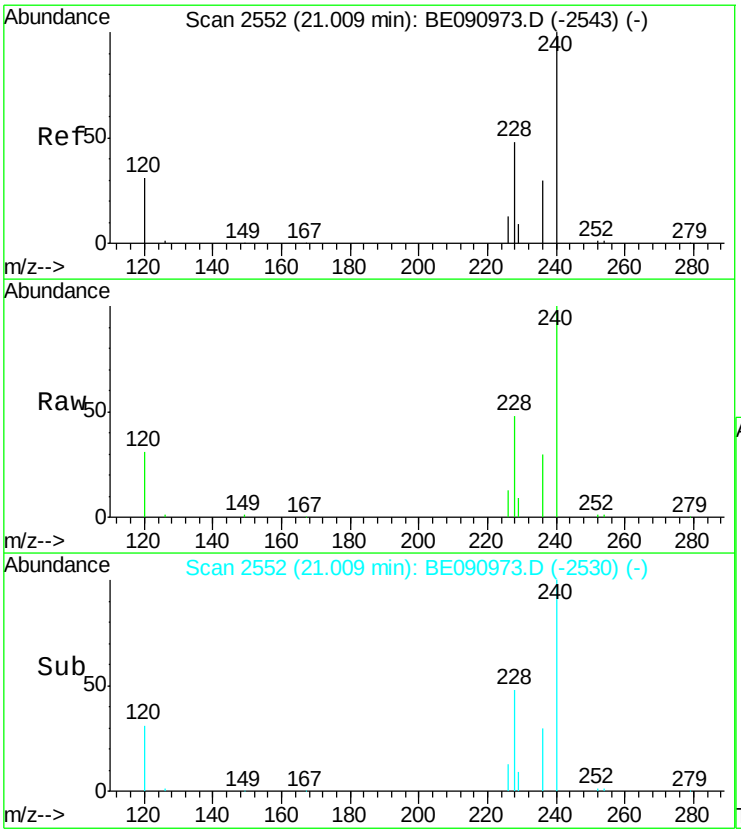
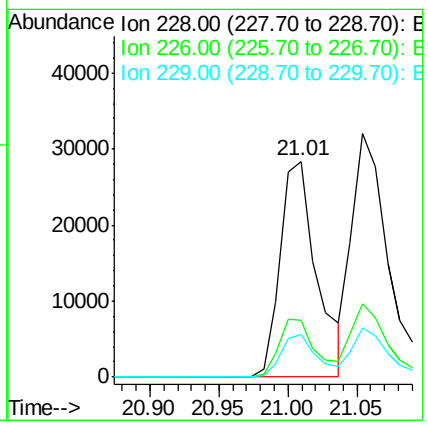
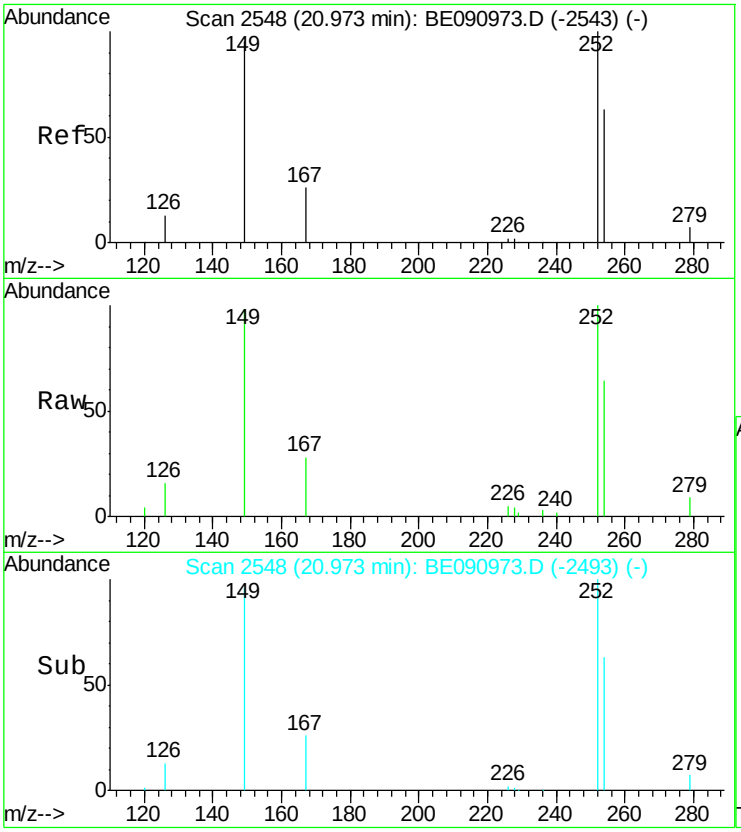


#30
Benzo(a)anthracene
Concen: 0.40 ng
RT: 21.01 min Scan# 2552
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:228 Resp: 52301

Ion	Ratio	Lower	Upper
228	100		
226	26.2	21.0	31.4
229	19.6	15.7	23.5

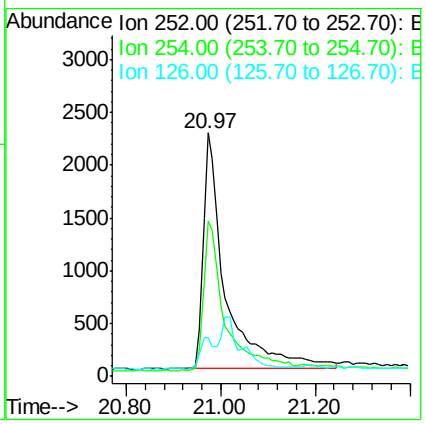




#31
3,3'-Dichlorobenzidine
Concen: 0.40 ng
RT: 20.97 min Scan# 2548
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:252 Resp: 7255

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.1	76.7
126	15.7	12.6	18.8



Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

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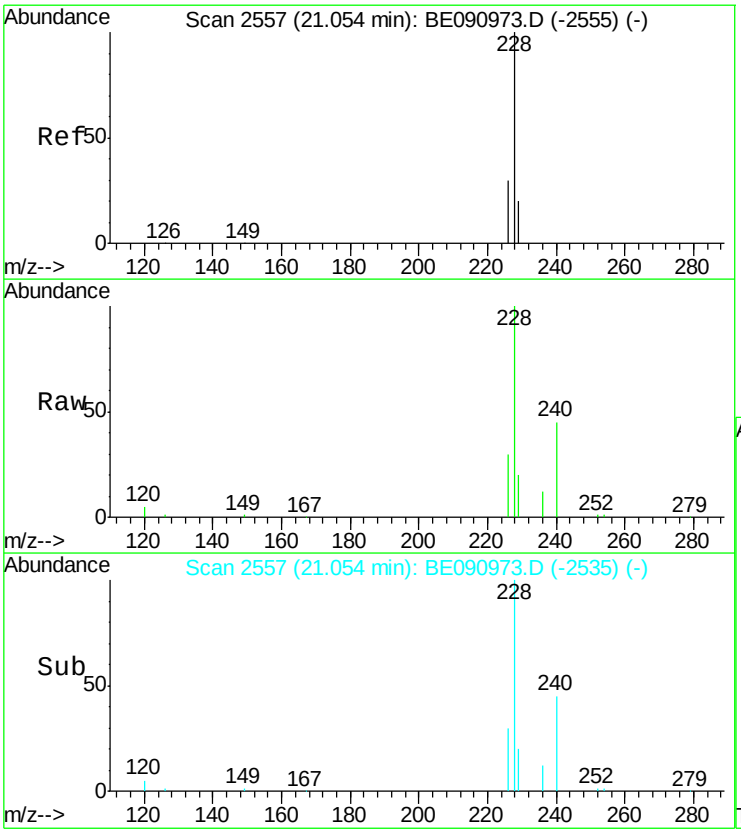
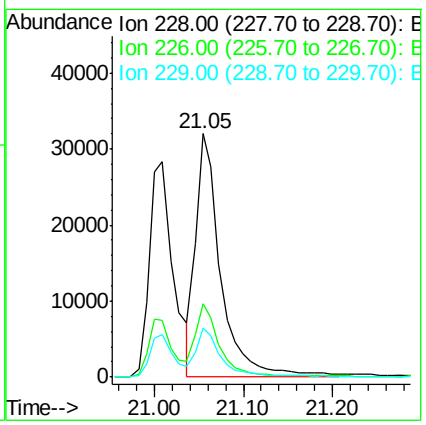
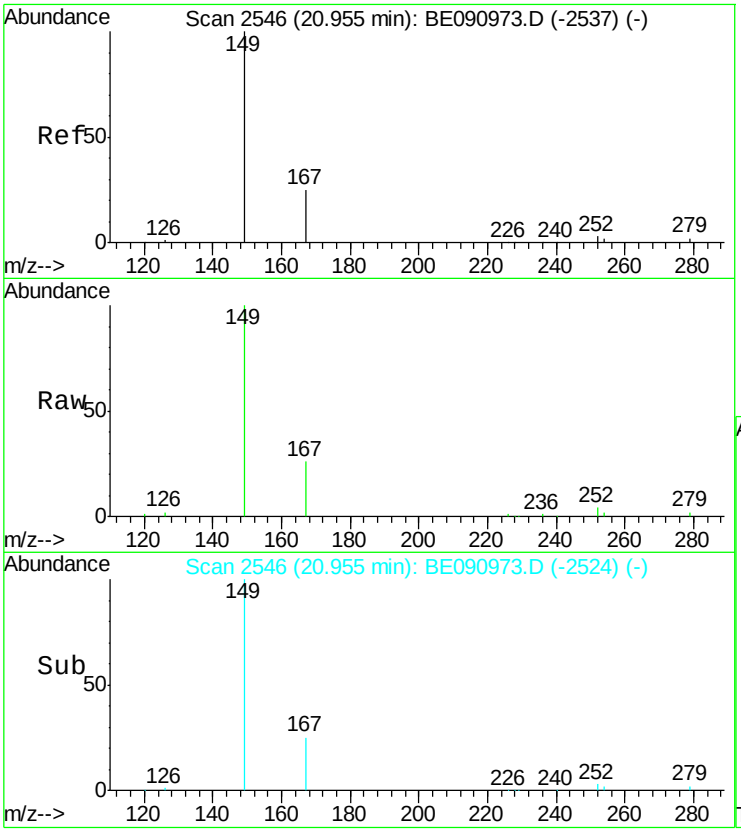


#32
Chrysene
Concen: 0.42 ng m
RT: 21.05 min Scan# 2557
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:228 Resp: 63546

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	19.9	15.9	23.9





#33
Bis(2-ethylhexyl)phthalate
Concen: 0.40 ng
RT: 20.96 min Scan# 2546
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Instrument :
BNA_E
ClientSampleId :
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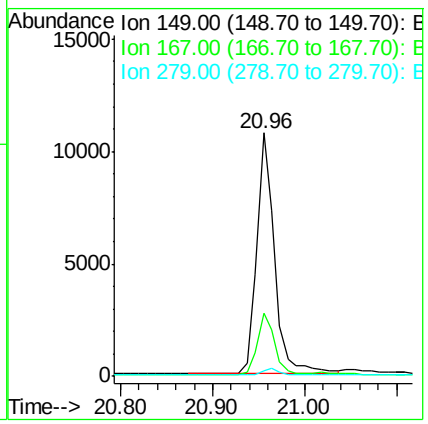
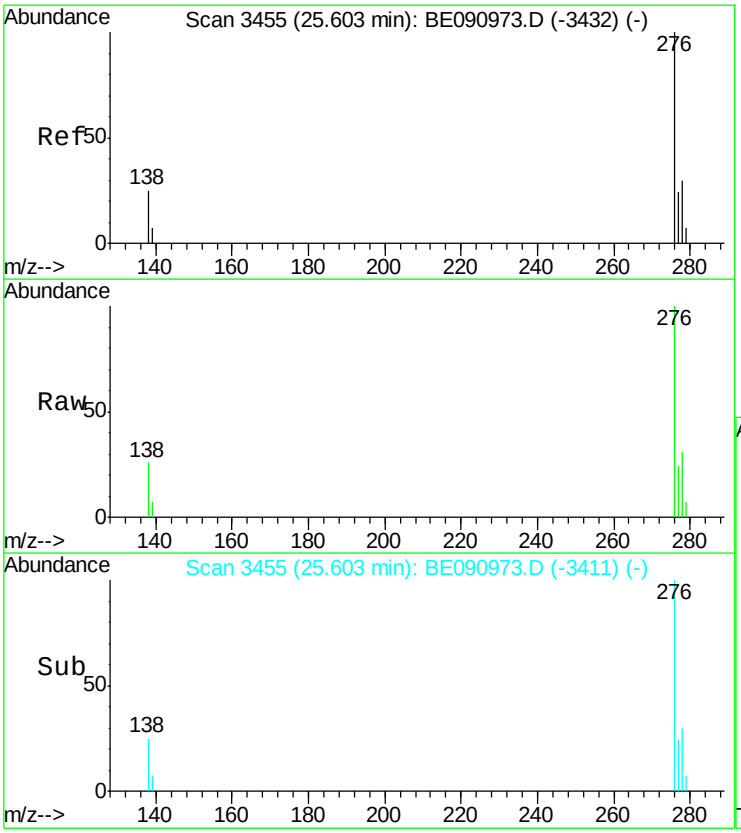
Tgt Ion:149 Resp: 14753

Ion	Ratio	Lower	Upper
149	100		
167	24.4	19.5	29.3
279	2.9	2.3	3.5

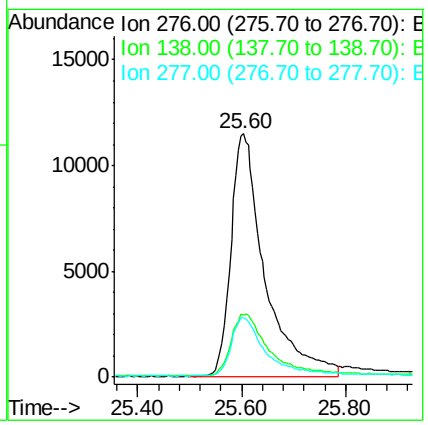


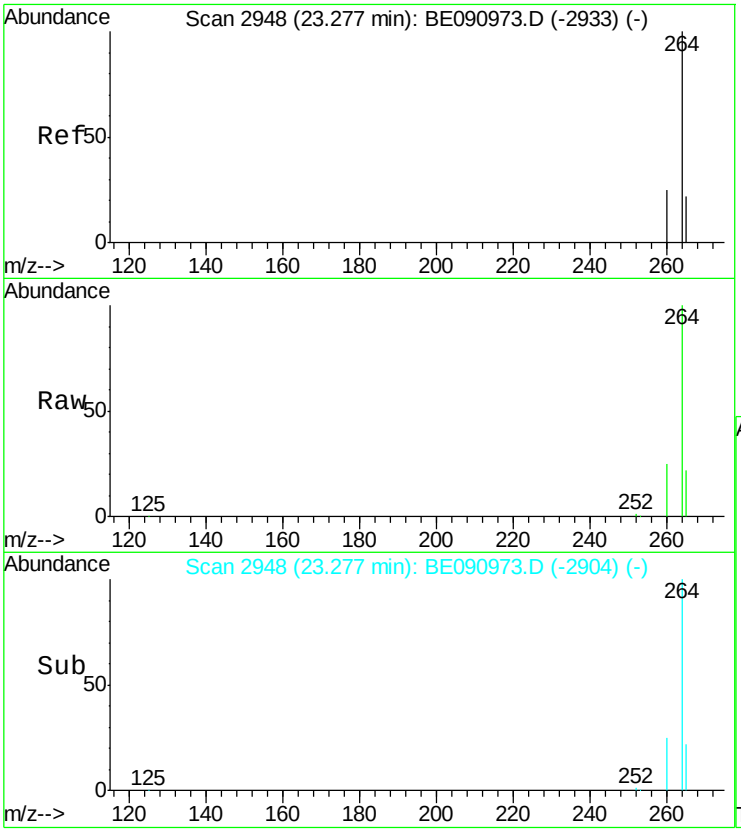


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.40 ng
RT: 25.60 min Scan# 3455
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:276 Resp: 51737

Ion	Ratio	Lower	Upper
276	100		
138	28.7	23.4	35.2
277	24.6	19.8	29.8

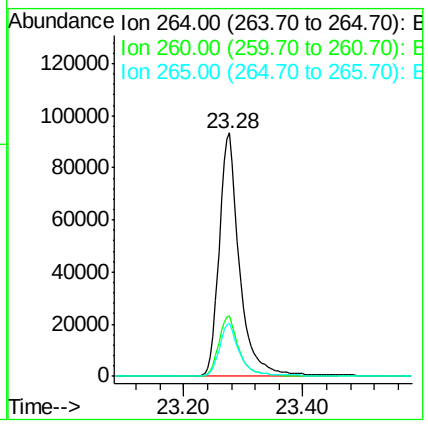




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.28 min Scan# 2948
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:264 Resp: 221824

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.0	30.0
265	21.9	17.5	26.3



Instrument :
BNA_E
ClientSampleId :
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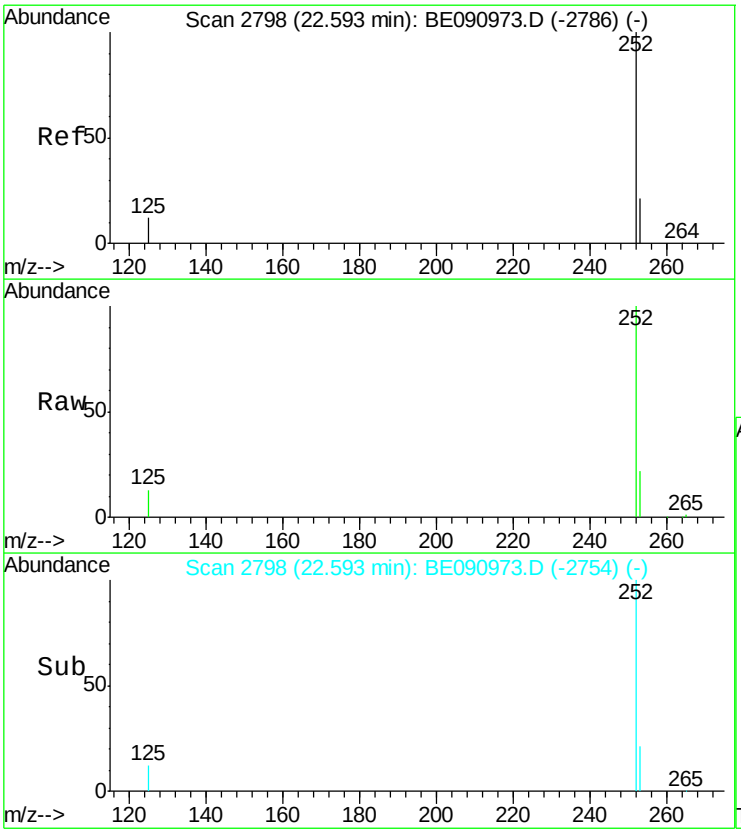
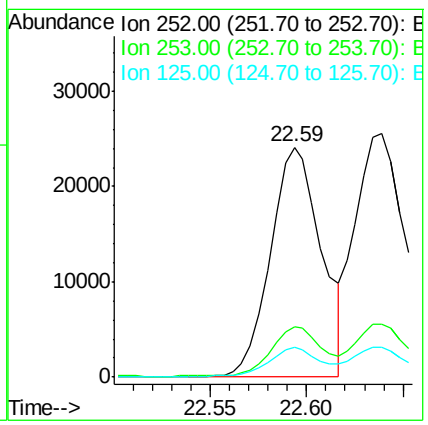
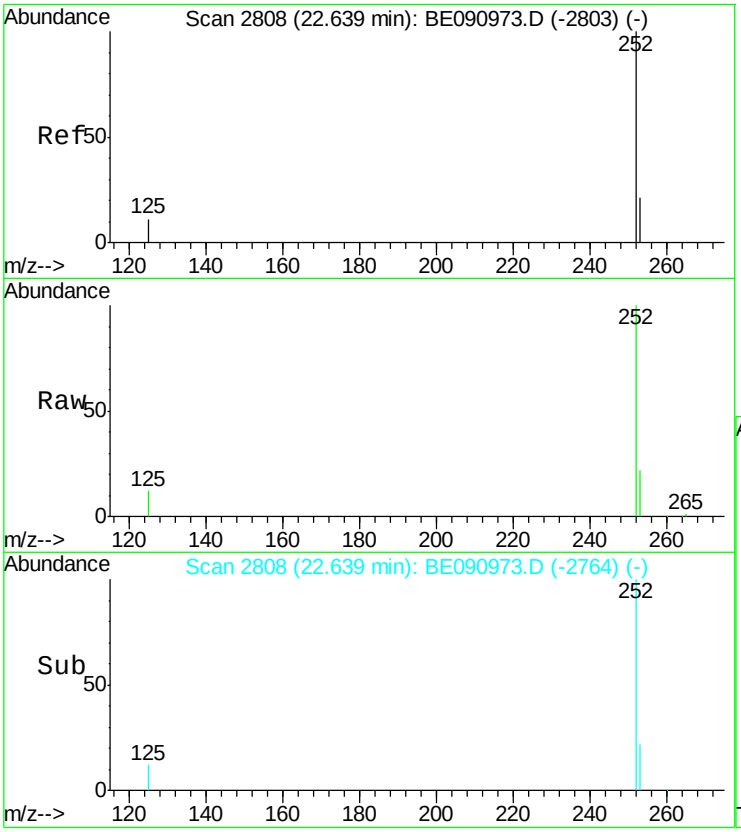


#36
Benzo(b)fluoranthene
Concen: 0.40 ng
RT: 22.59 min Scan# 2798
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:252 Resp: 43896

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	12.7	10.2	15.2

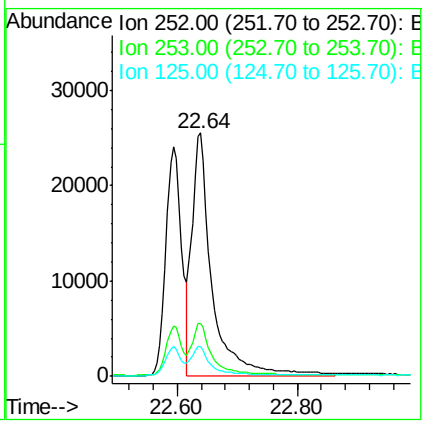




#37
Benzo(k)fluoranthene
Concen: 0.44 ng m
RT: 22.64 min Scan# 2808
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

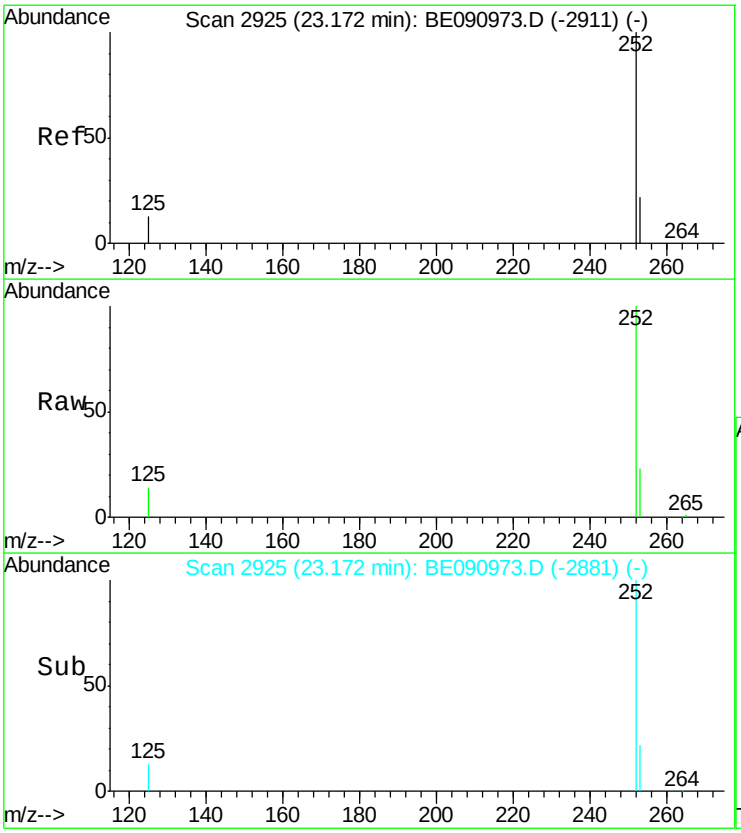
Tgt Ion:252 Resp: 60329

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	12.4	9.9	14.9



Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

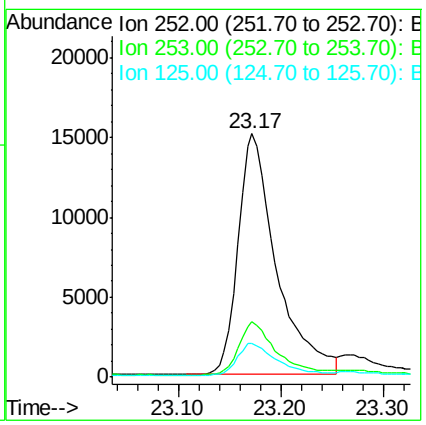
Manual Integrations APPROVED
MMDadoda
9/29/2015 4:50:39 PM

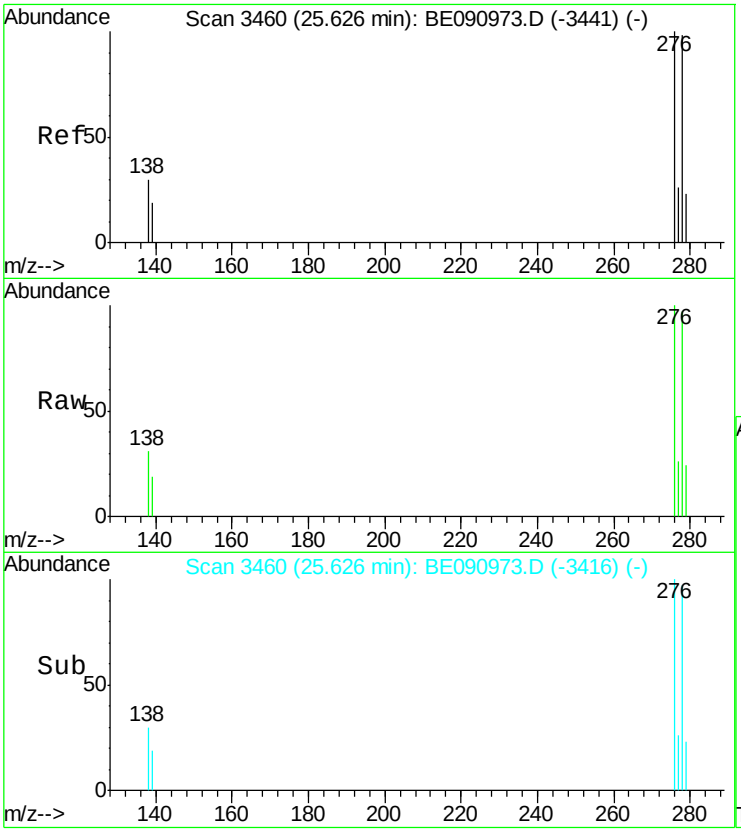


#38
Benzo(a)pyrene
Concen: 0.40 ng
RT: 23.17 min Scan# 2925
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:252 Resp: 39203

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	13.7	11.0	16.4

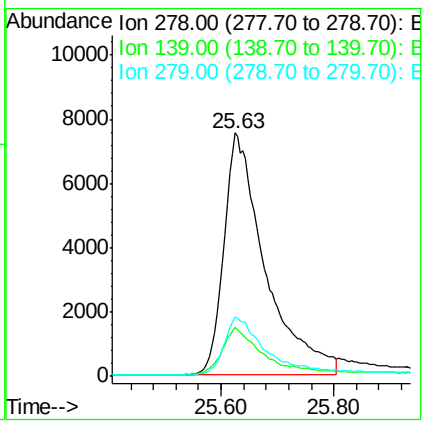




#39
Dibenzo(a,h)anthracene
Concen: 0.39 ng
RT: 25.63 min Scan# 3460
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

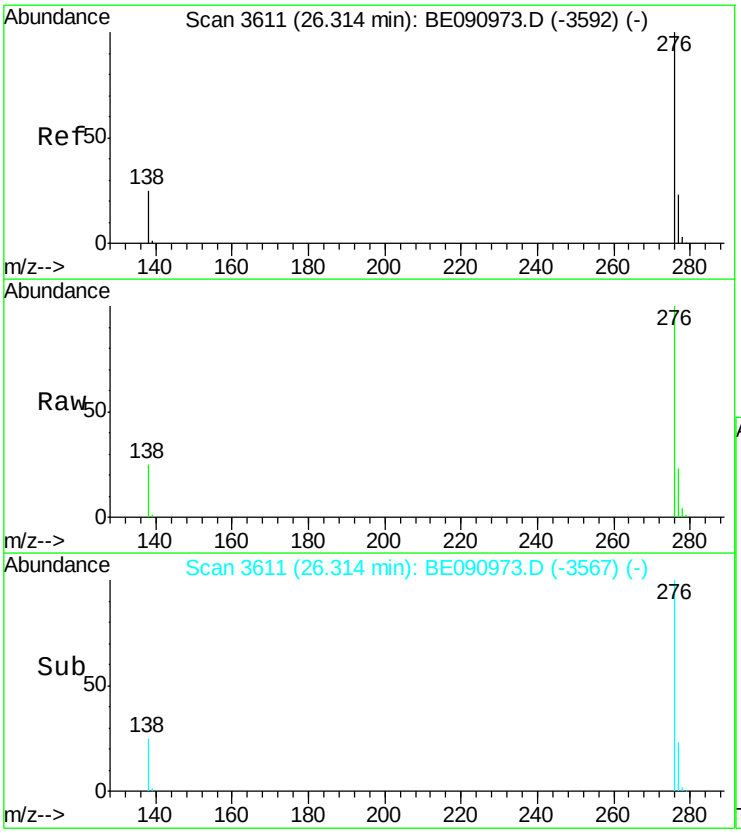
Tgt Ion:278 Resp: 37697

Ion	Ratio	Lower	Upper
278	100		
139	20.0	16.0	24.0
279	24.3	19.4	29.2



Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Manual Integrations APPROVED
MMDadoda
9/29/2015 4:50:39 PM



#40
Benzo(g,h,i)perylene
Concen: 0.40 ng
RT: 26.31 min Scan# 3611
Delta R.T. 0.00 min
Lab File: BE090973.D
Acq: 28 Sep 2015 19:31

Tgt Ion:276 Resp: 42241

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	28.0
138	25.5	20.4	30.6