Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070115\
Data File : BE090046.D
Acq On : 1 Jul 2015 18:22
Operator : TP/IZ
Sample : G2811-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : X1SS0720624-150625

Manual Integrations APPROVED
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Quant Time: Jul 02 15:21:40 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 30 07:01:01 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	14928	5.00	ng		-0.01
6) Naphthalene-d8	10.37	136	64598	5.00	ng		-0.01
12) Acenaphthene-d10	14.23	164	36356	5.00	ng		0.00
18) Phenanthrene-d10	16.96	188	83605	5.00	ng		-0.02
25) Chrysene-d12	21.12	240	104139	5.00	ng		-0.01
32) Perylene-d12	23.44	264	97864	5.00	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.24	112	26363	7.69	ng		0.00
5) Phenol-d6	6.79	99	39698	8.27	ng		0.00
7) Nitrobenzene-d5	8.75	82	23475	4.57	ng		0.00
13) 2,4,6-Tribromophenol	15.73	330	8512	7.99	ng		0.00
14) 2-Fluorobiphenyl	12.85	172	51271	4.69	ng		-0.01
27) Terphenyl-d14	19.58	244	83286	4.80	ng		-0.01
Target Compounds							Qvalue
9) Naphthalene	10.42	128	2406	0.16	ng	#	93
11) 2-Methylnaphthalene	12.04	142	465	0.05	ng	#	94
16) Acenaphthene	14.28	154	1805	0.19	ng		94
17) Fluorene	15.27	166	983	0.08	ng	#	94
22) Phenanthrene	17.01	178	60695	2.83	ng		99
23) Anthracene	17.10	178	12663m	0.65	ng		
24) Fluoranthene	19.01	202	196415	8.21	ng		99
26) Pyrene	19.37	202	183584	7.40	ng	#	96
28) Benzo(a)anthracene	21.10	228	136946	5.27	ng		98
29) Chrysene	21.16	228	142867	5.29	ng		98
31) Indeno(1,2,3-cd)pyrene	25.84	276	67388	2.60	ng		97
33) Benzo(b)fluoranthene	22.74	252	172653	8.00	ng		98
34) Benzo(k)fluoranthene	22.77	252	66932m	2.78	ng		
35) Benzo(a)pyrene	23.33	252	113995	5.72	ng		98
36) Dibenzo(a,h)anthracene	25.85	278	17284	0.84	ng		96
37) Benzo(g,h,i)perylene	26.58	276	66770	3.22	ng		97

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070115\
Data File : BE090046.D
Acq On : 1 Jul 2015 18:22
Operator : TP/IZ
Sample : G2811-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 02 15:21:40 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 30 07:01:01 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
X1SS0720624-150625

Manual Integrations APPROVED
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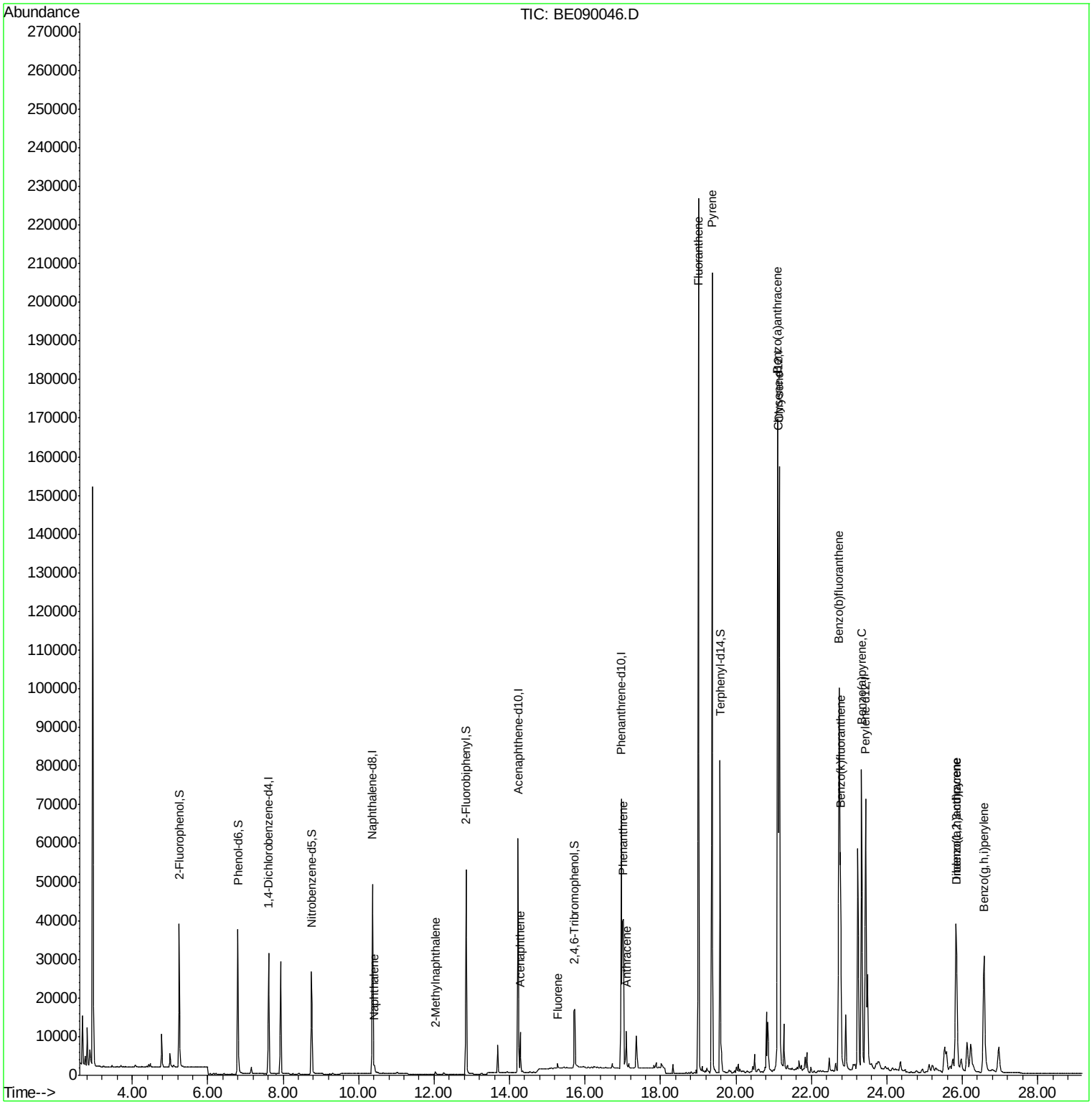
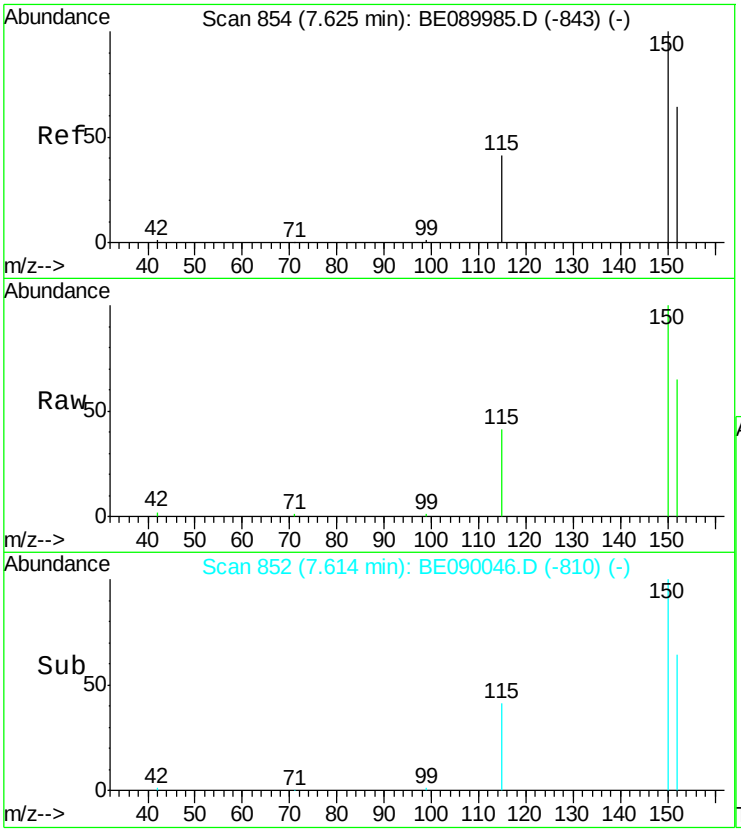
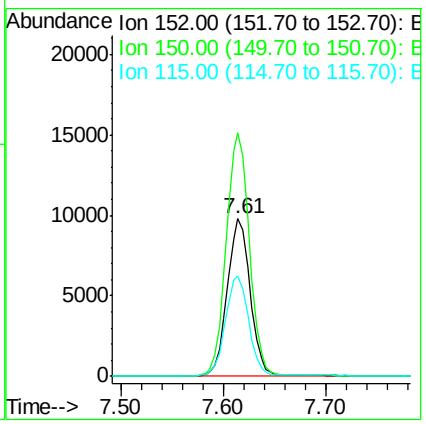




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.61 min Scan# 852
Delta R.T. -0.01 min
Lab File: BE090046.D
Acq: 1 Jul 2015 18:22

Tgt Ion:152 Resp: 14928

Ion	Ratio	Lower	Upper
152	100		
150	154.8	123.9	185.9
115	63.9	50.6	76.0



Instrument :
BNA_E
ClientSampleId :
X1SS0720624-150625

Manual Integrations APPROVED
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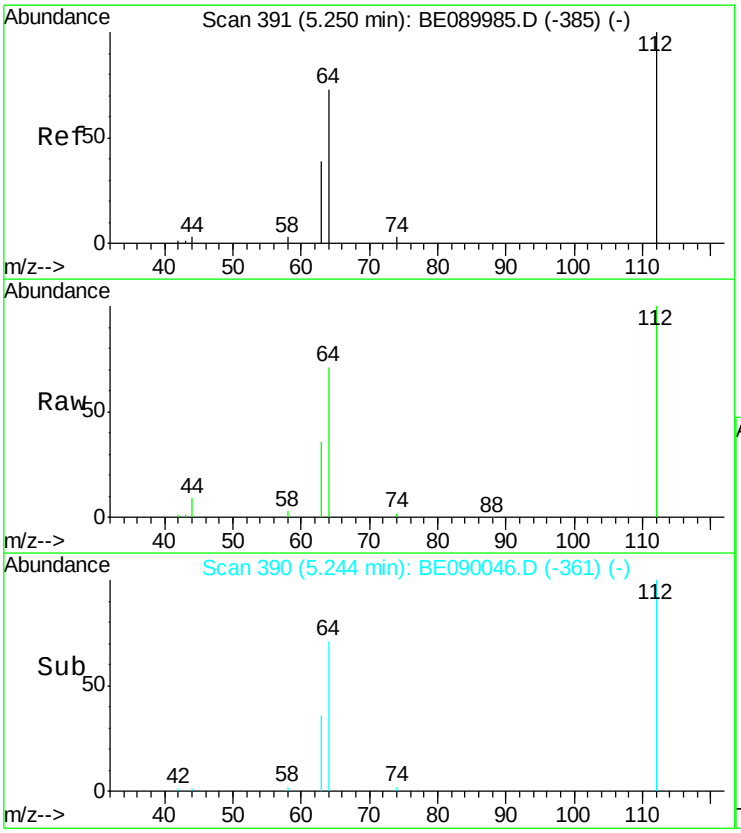
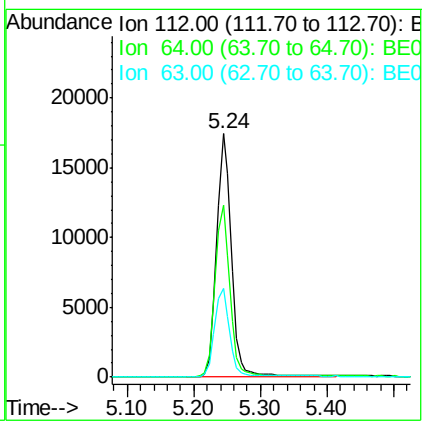
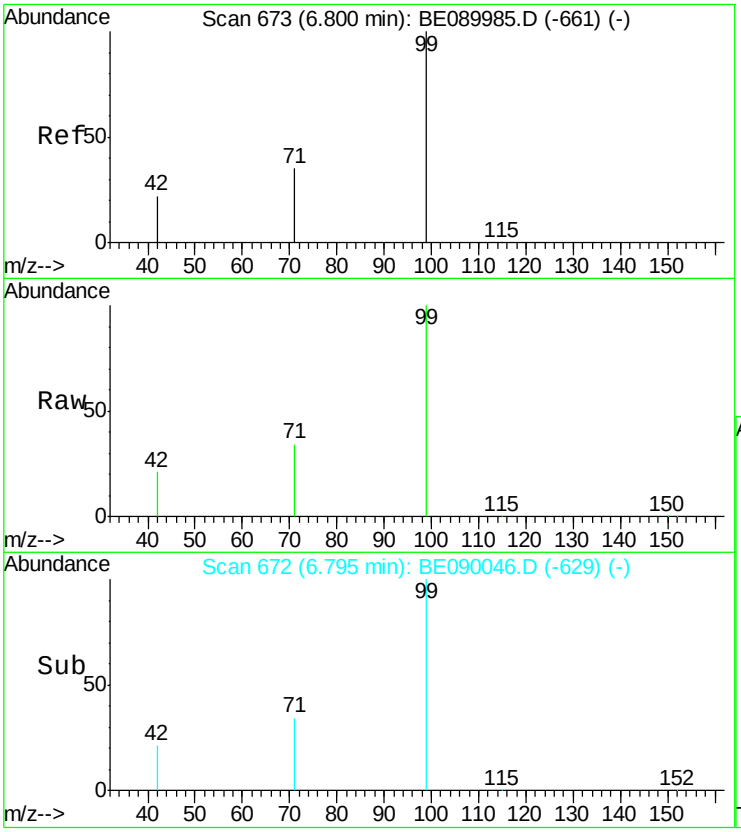


#4
2-Fluorophenol
Concen: 7.69 ng
RT: 5.24 min Scan# 390
Delta R.T. -0.01 min
Lab File: BE090046.D
Acq: 1 Jul 2015 18:22

Tgt Ion:112 Resp: 26363

Ion	Ratio	Lower	Upper
112	100		
64	70.9	56.3	84.5
63	36.8	29.8	44.6

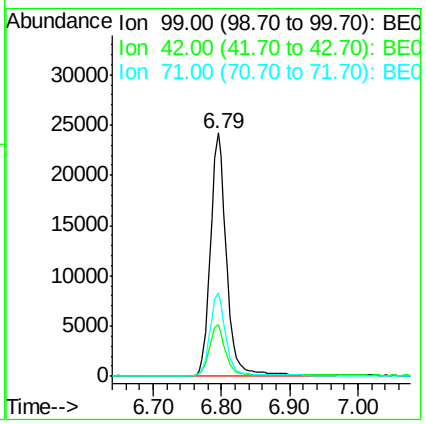




#5
Phenol-d6
Concen: 8.27 ng
RT: 6.79 min Scan# 672
Delta R.T. -0.01 min
Lab File: BE090046.D
Acq: 1 Jul 2015 18:22

Tgt Ion: 99 Resp: 39698

Ion	Ratio	Lower	Upper
99	100		
42	20.9	18.7	28.1
71	34.1	27.5	41.3



Instrument :
BNA_E
ClientSampleId :
X1SS0720624-150625

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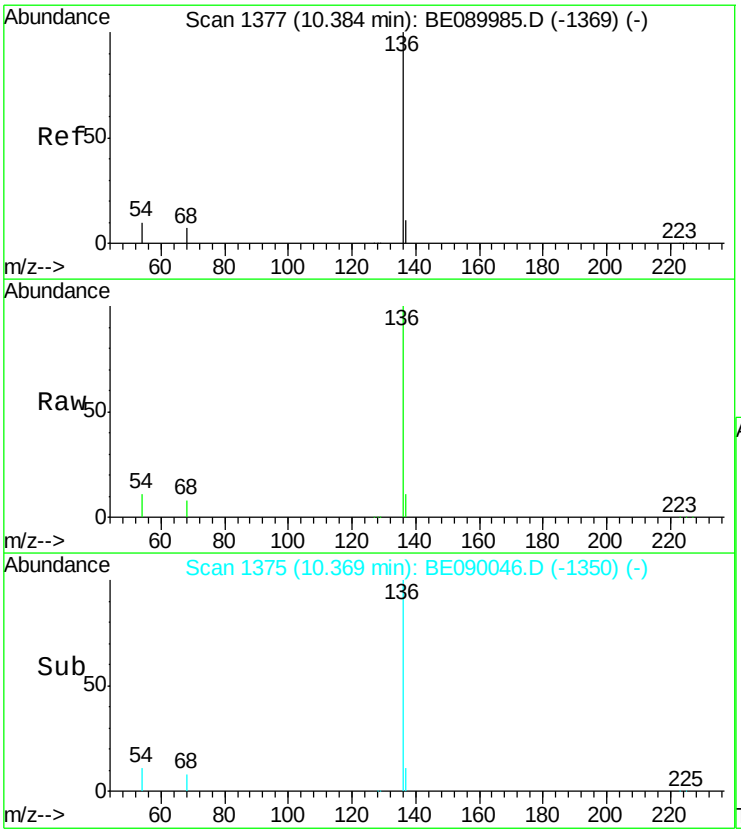
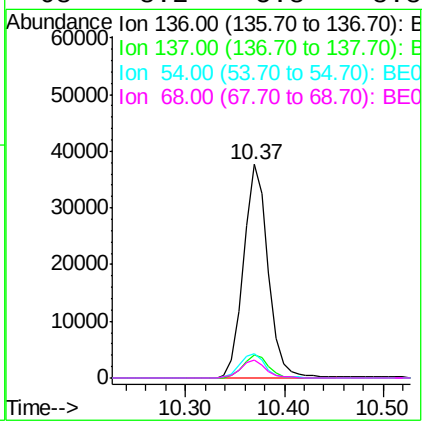
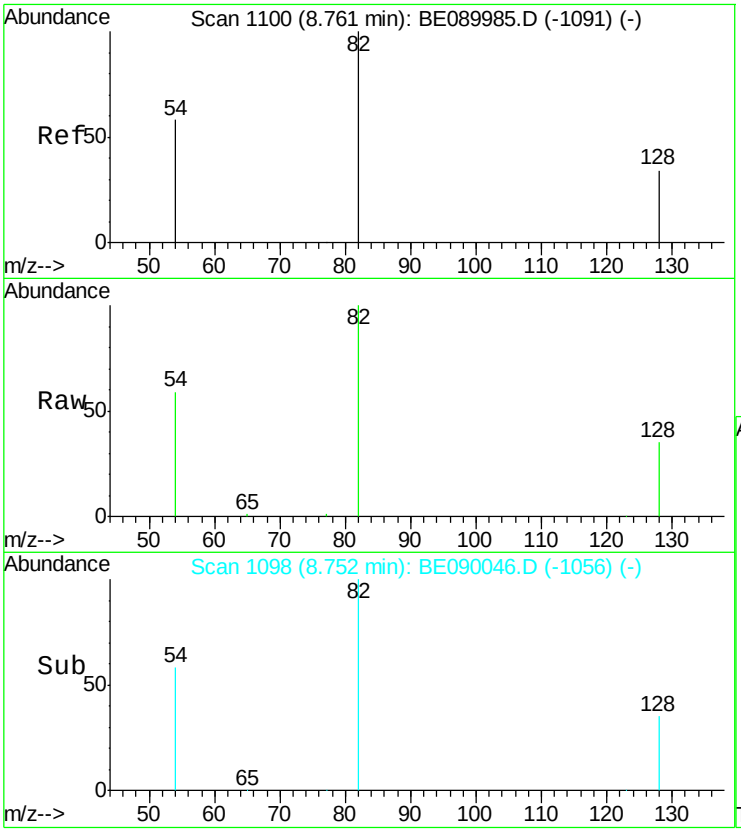


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.37 min Scan# 1375
Delta R.T. -0.01 min
Lab File: BE090046.D
Acq: 1 Jul 2015 18:22

Tgt Ion:136 Resp: 64598

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	11.4	8.2	12.4
68	8.2	5.8	8.8

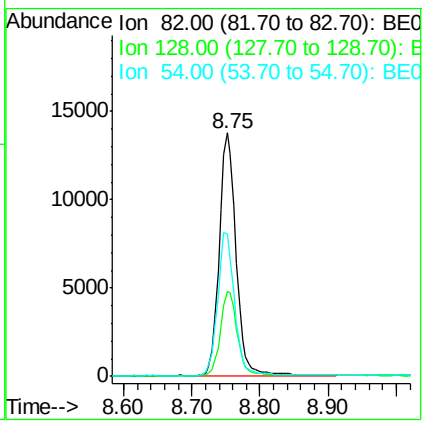




#7
Nitrobenzene-d5
Concen: 4.57 ng
RT: 8.75 min Scan# 1098
Delta R.T. -0.01 min
Lab File: BE090046.D
Acq: 1 Jul 2015 18:22

Tgt Ion: 82 Resp: 23475

Ion	Ratio	Lower	Upper
82	100		
128	34.8	28.0	42.0
54	58.5	47.6	71.4



Instrument :
BNA_E
ClientSampleId :
X1SS0720624-150625

Manual Integrations APPROVED
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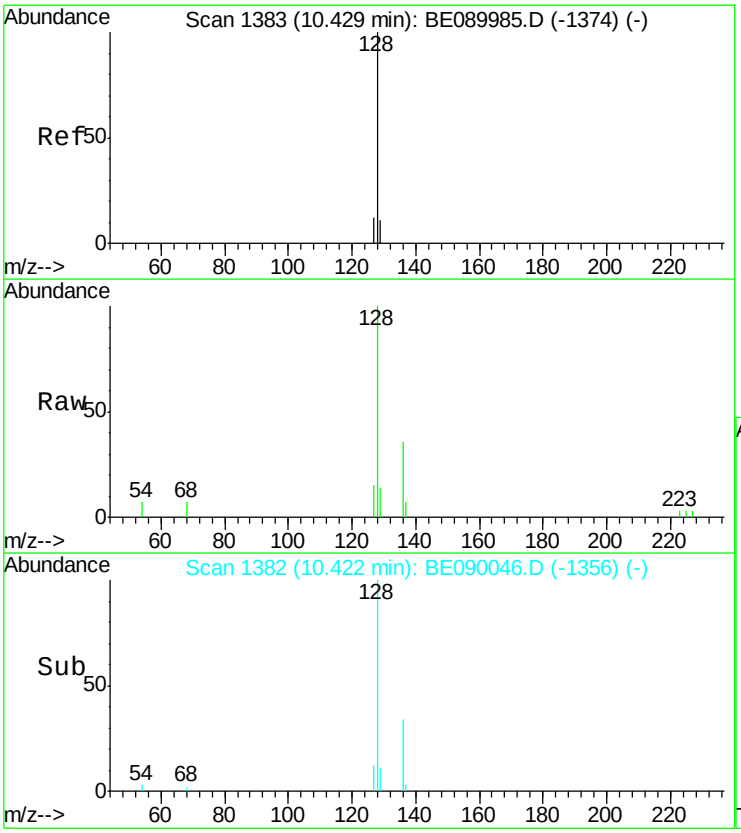
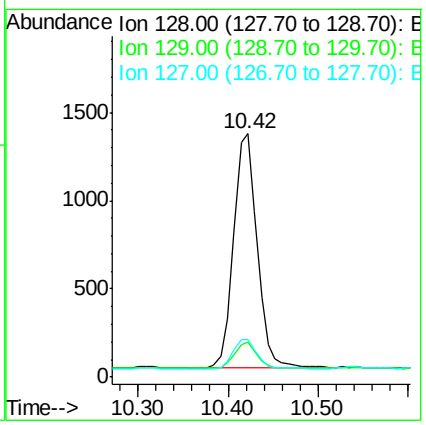
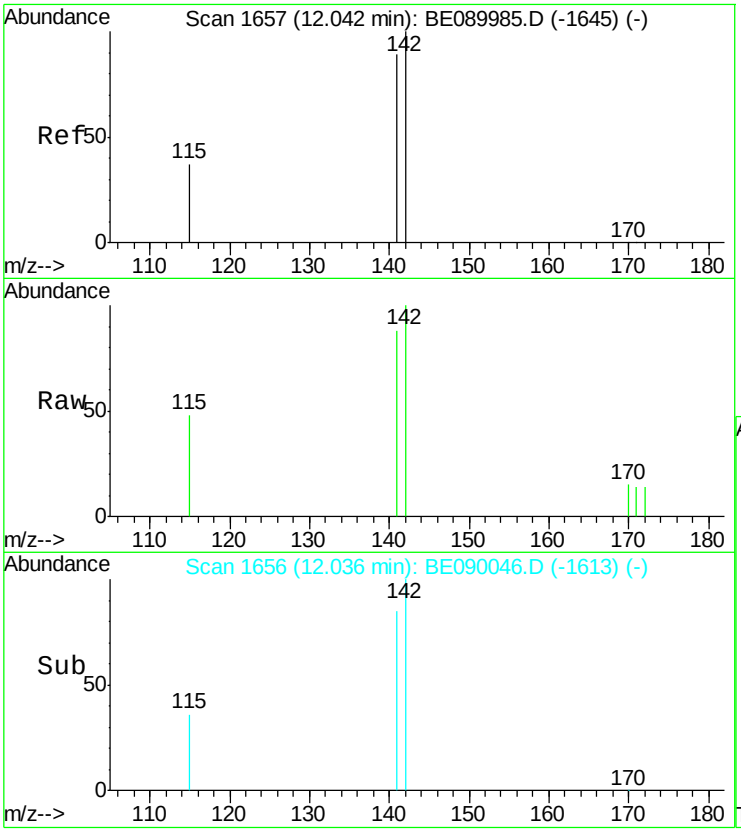


#9
Naphthalene
Concen: 0.16 ng
RT: 10.42 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BE090046.D
Acq: 1 Jul 2015 18:22

Tgt Ion:128 Resp: 2406

Ion	Ratio	Lower	Upper
128	100		
129	14.5	9.3	13.9#
127	15.4	10.2	15.4#





#11
2-Methylnaphthalene
Concen: 0.05 ng
RT: 12.04 min Scan# 1656
Delta R.T. -0.01 min
Lab File: BE090046.D
Acq: 1 Jul 2015 18:22

Tgt Ion:142 Resp: 465

Ion	Ratio	Lower	Upper
142	100		
141	87.5	71.3	106.9
115	48.3	30.4	45.6#

Instrument :
BNA_E
ClientSampleId :
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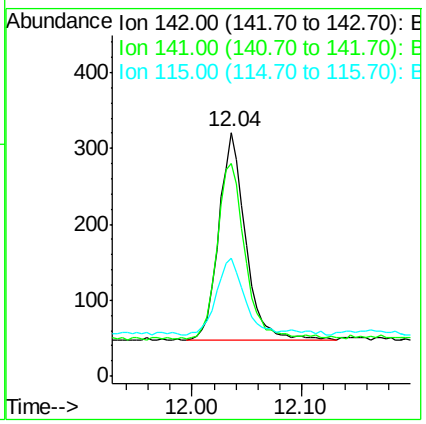
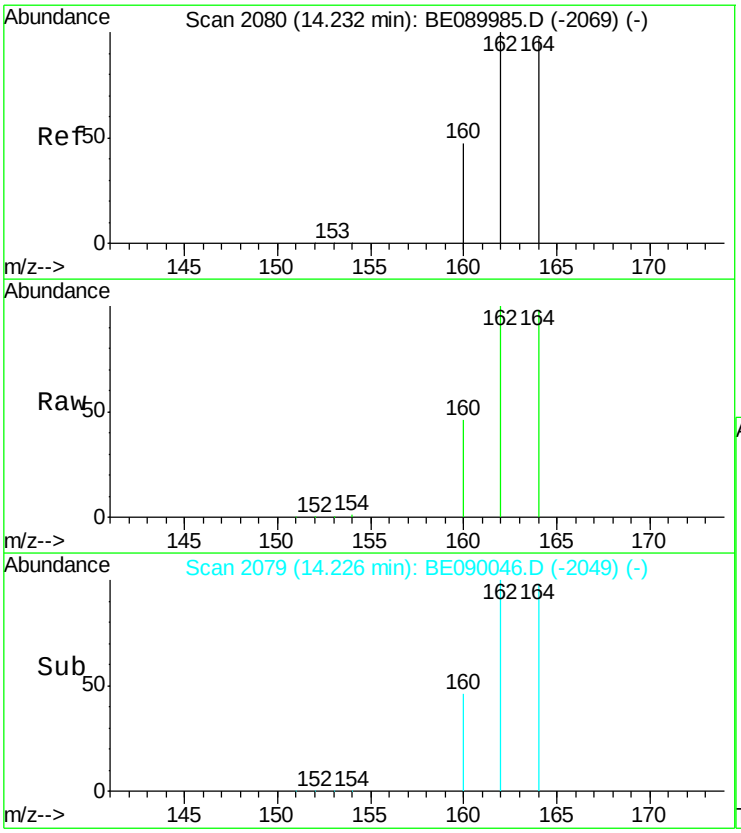
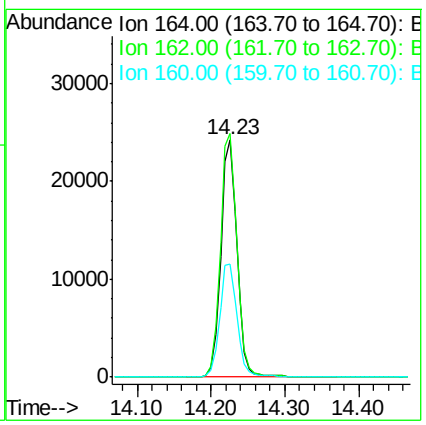


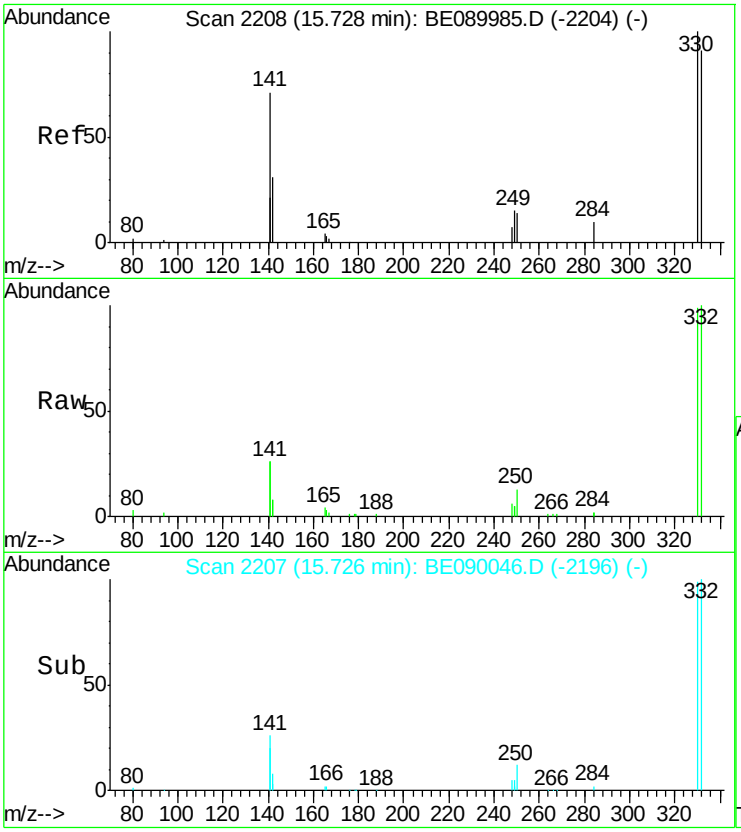


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.23 min Scan# 2079
Delta R.T. -0.01 min
Lab File: BE090046.D
Acq: 1 Jul 2015 18:22

Tgt Ion:164 Resp: 36356

Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.2	123.4
160	47.4	39.0	58.6





#13
2,4,6-Tribromophenol
Concen: 7.99 ng
RT: 15.73 min Scan# 2207
Delta R.T. -0.00 min
Lab File: BE090046.D
Acq: 1 Jul 2015 18:22

Tgt Ion:330 Resp: 8512

Ion	Ratio	Lower	Upper
330	100		
332	99.2	76.4	114.6
141	175.8	130.3	195.5

Instrument :
BNA_E
ClientSampleId :
X1SS0720624-150625

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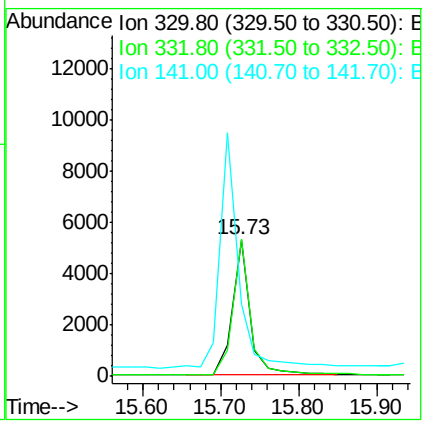
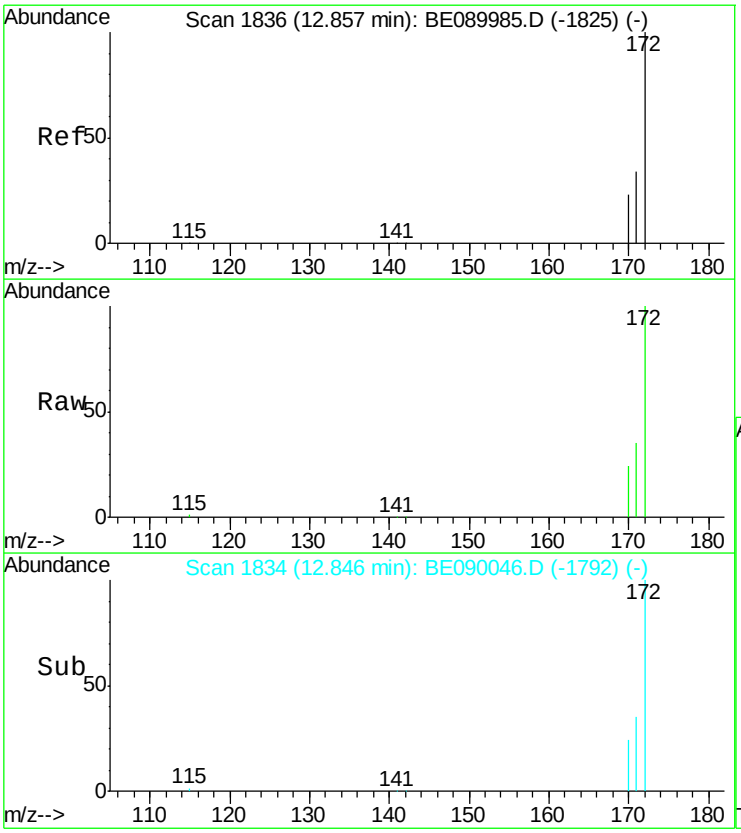
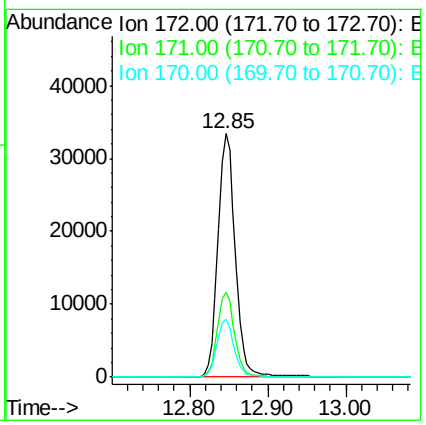


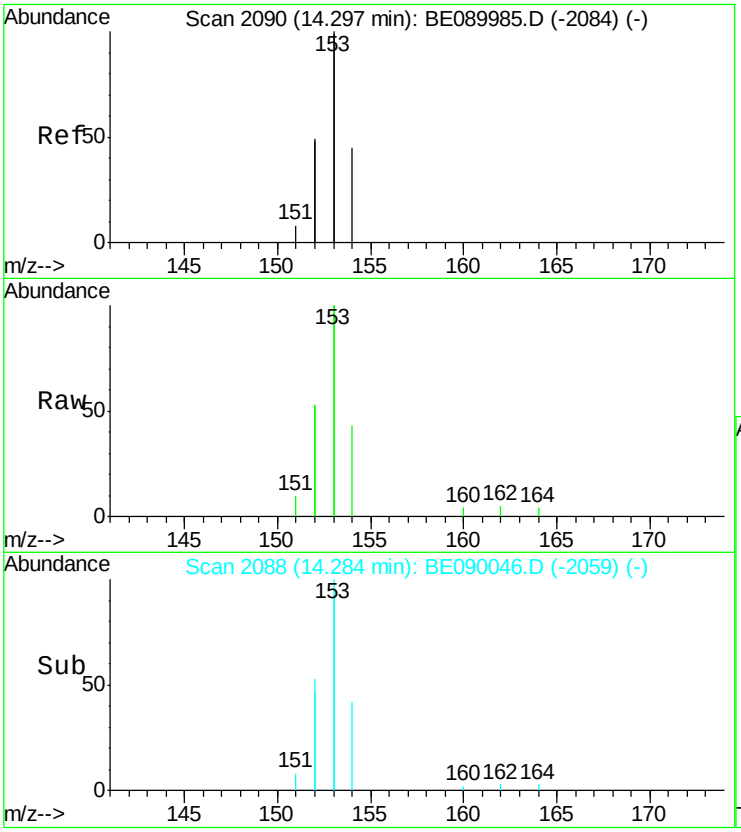


#14
2-Fluorobiphenyl
Concen: 4.69 ng
RT: 12.85 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BE090046.D
Acq: 1 Jul 2015 18:22

Tgt Ion:172 Resp: 51271

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.8	41.6
170	23.6	18.3	27.5

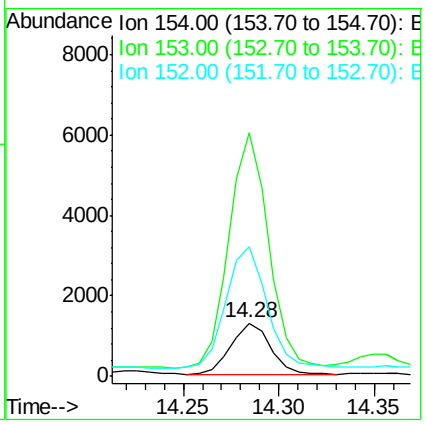




#16
Acenaphthene
Concen: 0.19 ng
RT: 14.28 min Scan# 2088
Delta R.T. -0.01 min
Lab File: BE090046.D
Acq: 1 Jul 2015 18:22

Tgt Ion:154 Resp: 1805

Ion	Ratio	Lower	Upper
154	100		
153	462.9	358.6	538.0
152	247.5	189.6	284.4



Instrument :
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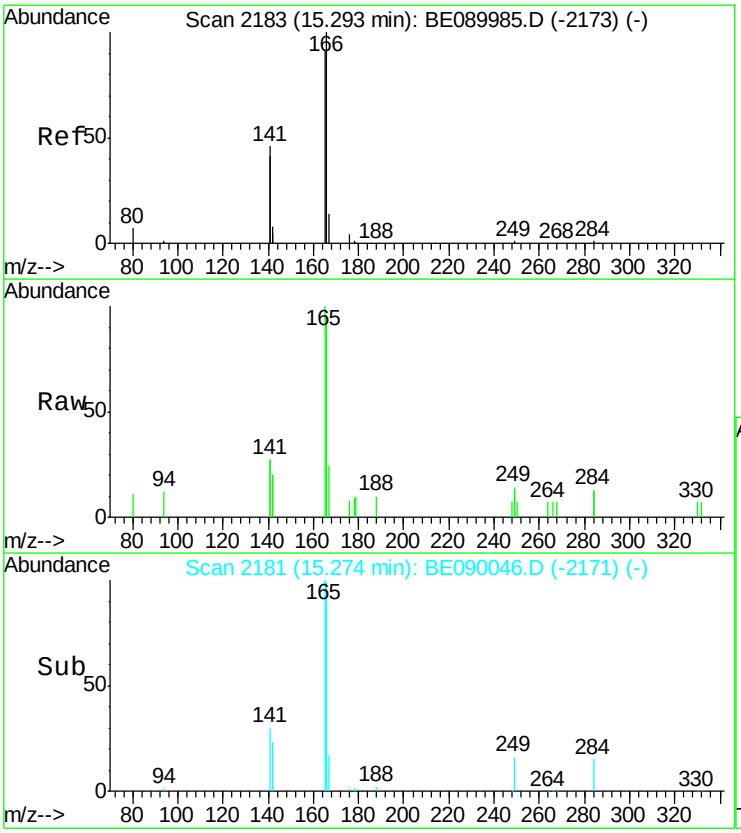
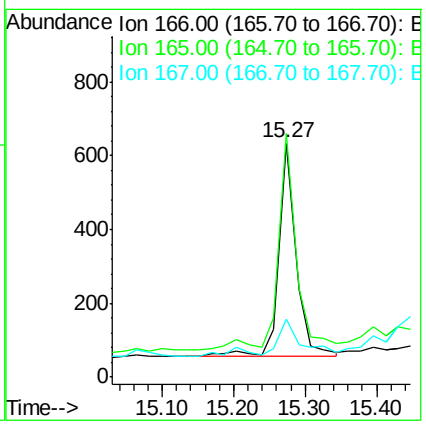
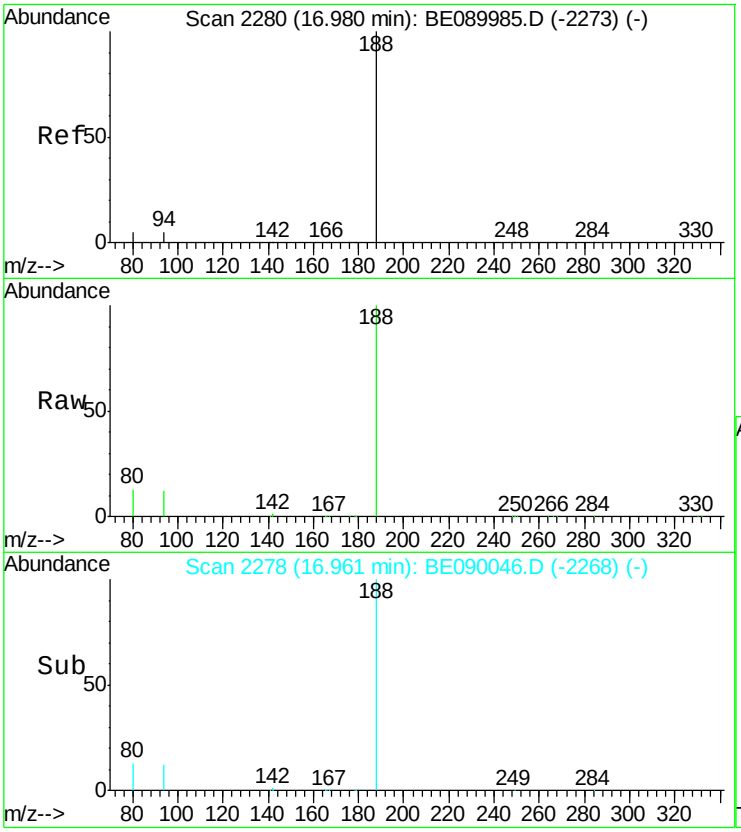


#17
Fluorene
Concen: 0.08 ng
RT: 15.27 min Scan# 2181
Delta R.T. -0.02 min
Lab File: BE090046.D
Acq: 1 Jul 2015 18:22

Tgt Ion:166 Resp: 983

Ion	Ratio	Lower	Upper
166	100		
165	104.1	79.0	118.6
167	20.0	11.8	17.8#





#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.96 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BE090046.D
Acq: 1 Jul 2015 18:22

Tgt Ion:188 Resp: 83605

Ion	Ratio	Lower	Upper
188	100		
94	12.1	4.1	6.1#
80	13.1	4.2	6.2#

Instrument :
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ClientSampleId :
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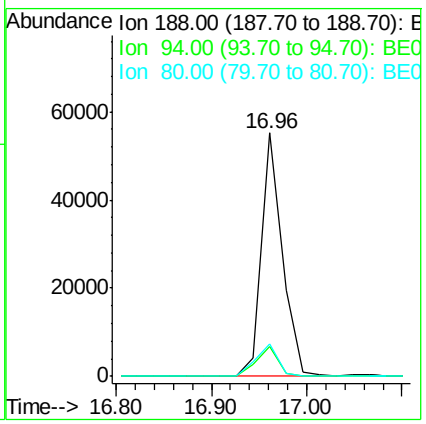
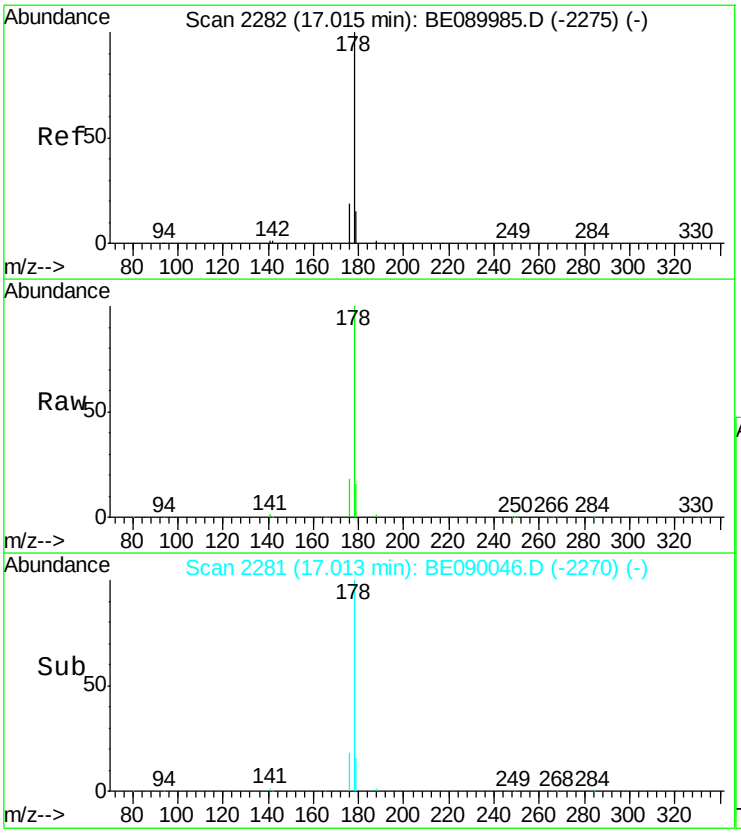
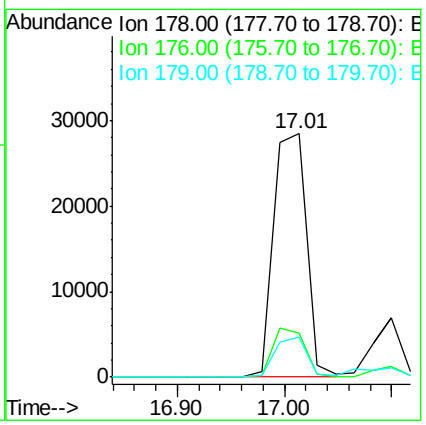


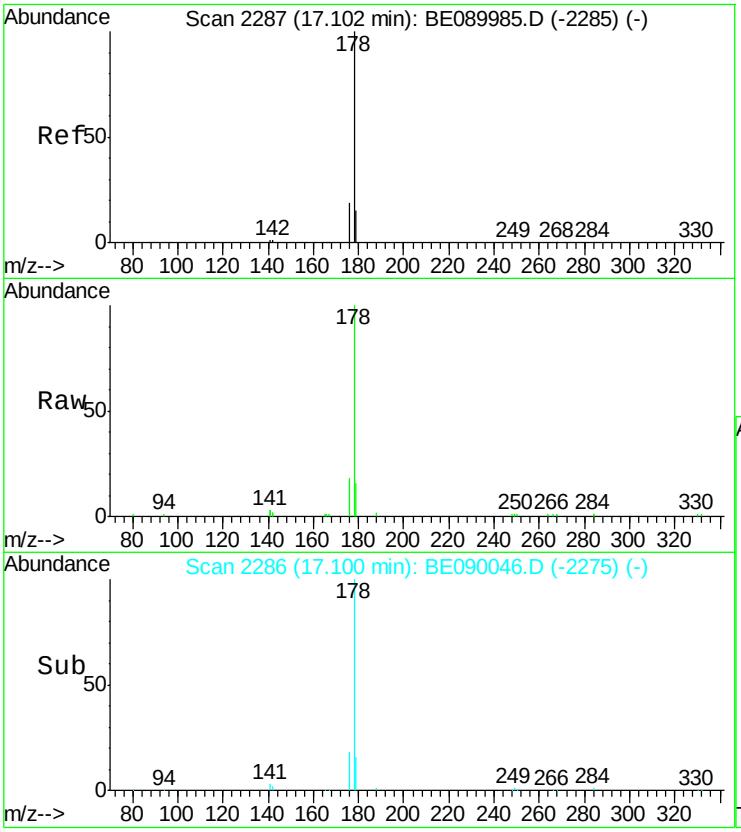


#22
Phenanthrene
Concen: 2.83 ng
RT: 17.01 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BE090046.D
Acq: 1 Jul 2015 18:22

Tgt Ion:178 Resp: 60695

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.7	12.4	18.6

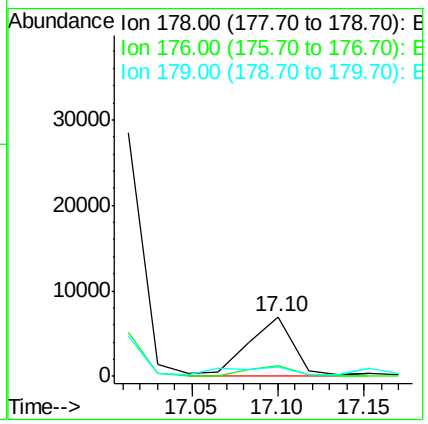




#23
Anthracene
Concen: 0.65 ng m
RT: 17.10 min Scan# 2286
Delta R.T. -0.00 min
Lab File: BE090046.D
Acq: 1 Jul 2015 18:22

Tgt Ion:178 Resp: 12663

Ion	Ratio	Lower	Upper
178	100		
176	93.0	14.7	22.1#
179	75.4	12.1	18.1#



Instrument :
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ClientSampleId :
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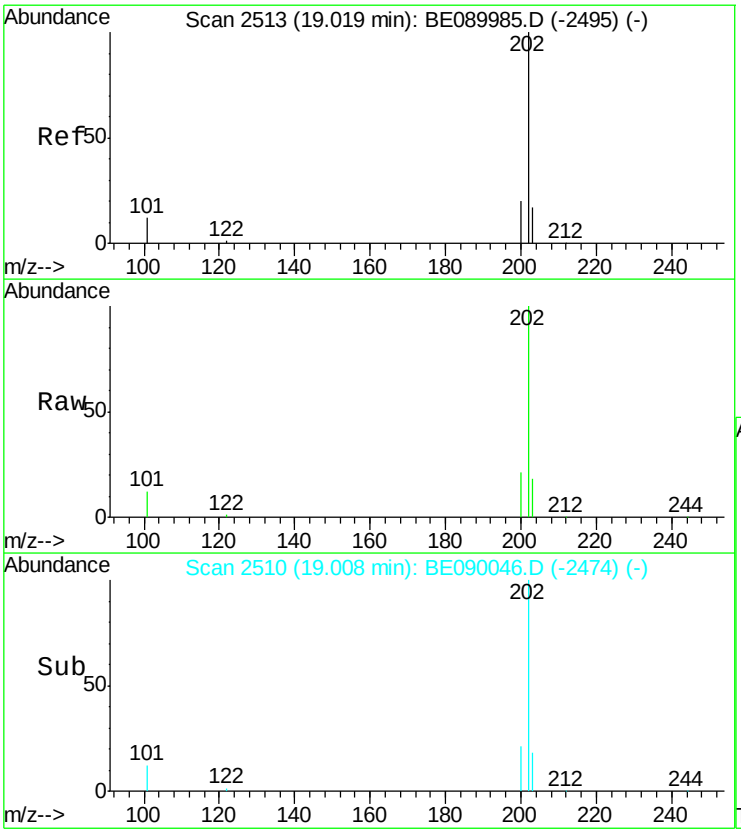
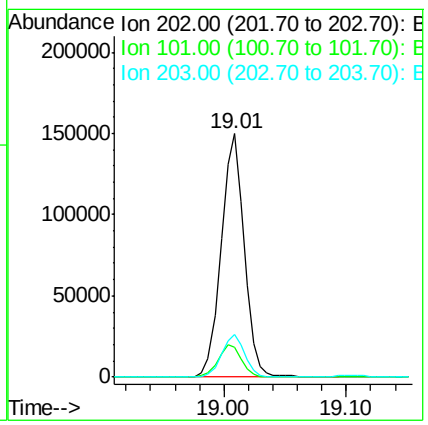
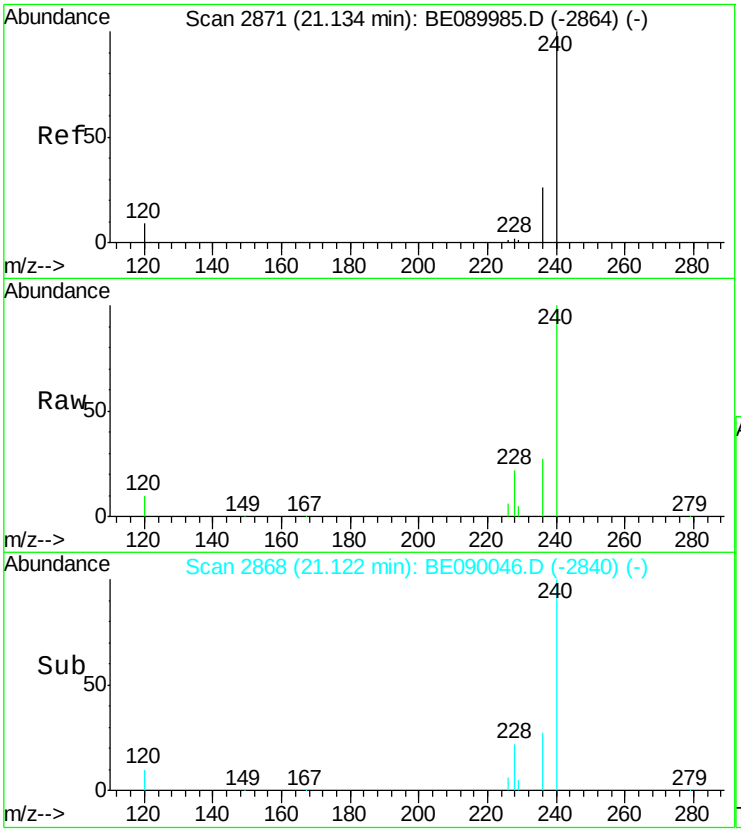


#24
Fluoranthene
Concen: 8.21 ng
RT: 19.01 min Scan# 2510
Delta R.T. -0.01 min
Lab File: BE090046.D
Acq: 1 Jul 2015 18:22

Tgt Ion:202 Resp: 196415

Ion	Ratio	Lower	Upper
202	100		
101	13.5	10.6	15.8
203	17.4	13.8	20.6

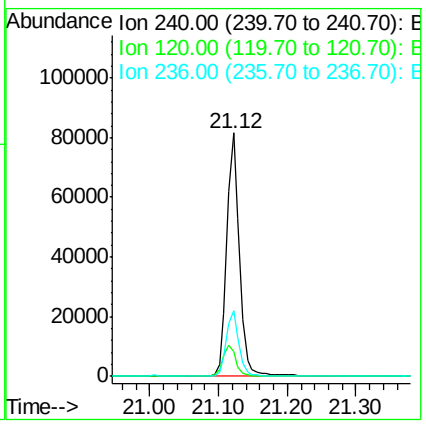




#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.12 min Scan# 2868
Delta R.T. -0.01 min
Lab File: BE090046.D
Acq: 1 Jul 2015 18:22

Tgt Ion:240 Resp: 104139

Ion	Ratio	Lower	Upper
240	100		
120	10.1	6.9	10.3
236	26.8	20.8	31.2



Instrument :
BNA_E
ClientSampleId :
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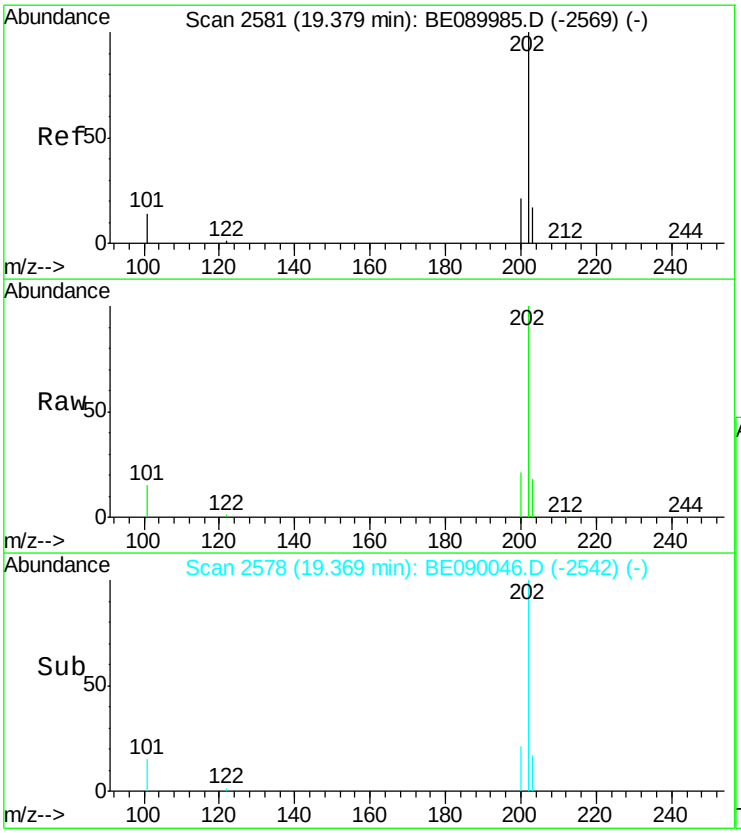
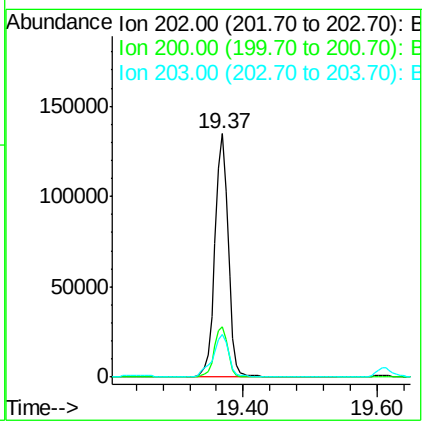
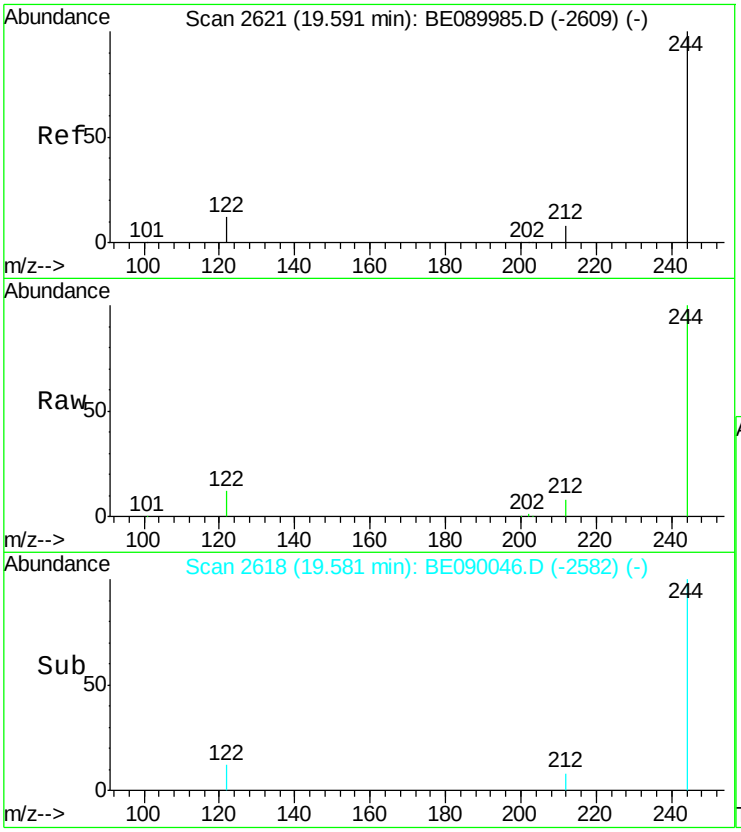


#26
Pyrene
Concen: 7.40 ng
RT: 19.37 min Scan# 2578
Delta R.T. -0.01 min
Lab File: BE090046.D
Acq: 1 Jul 2015 18:22

Tgt Ion:202 Resp: 183584

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.8	25.2
203	21.0	13.9	20.9#

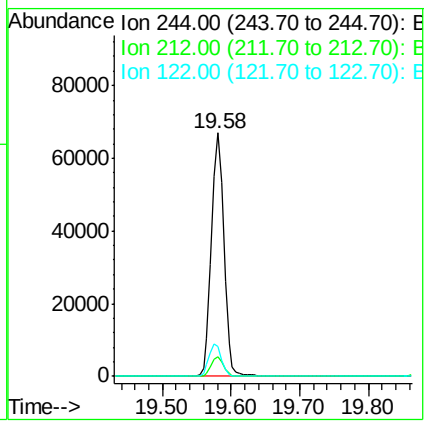




#27
Terphenyl-d14
Concen: 4.80 ng
RT: 19.58 min Scan# 2618
Delta R.T. -0.01 min
Lab File: BE090046.D
Acq: 1 Jul 2015 18:22

Tgt Ion:244 Resp: 83286

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.6	9.8
122	12.2	9.8	14.8



Instrument :
BNA_E
ClientSampleId :
X1SS0720624-150625

Manual Integrations APPROVED
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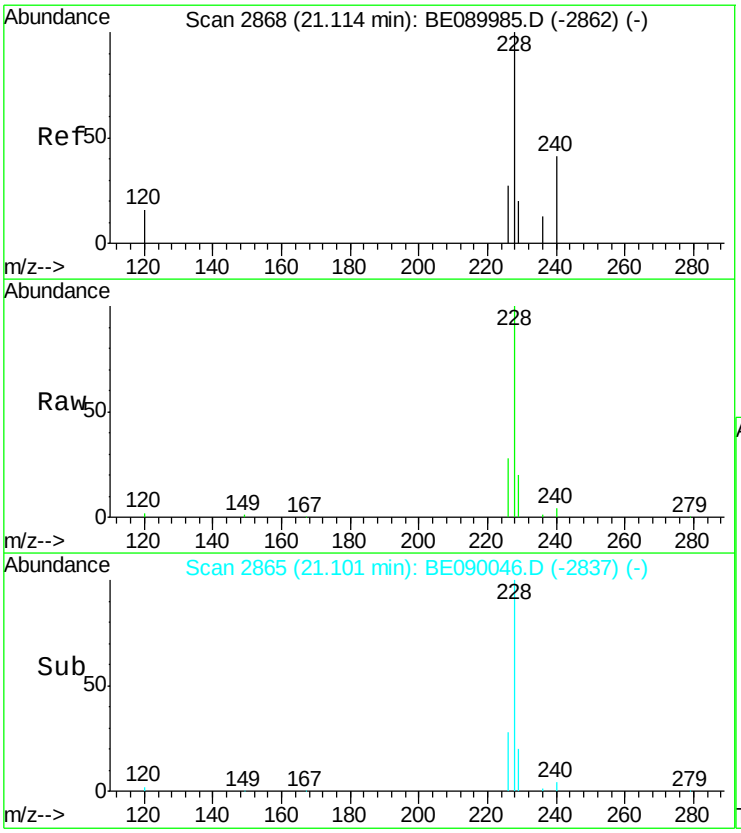
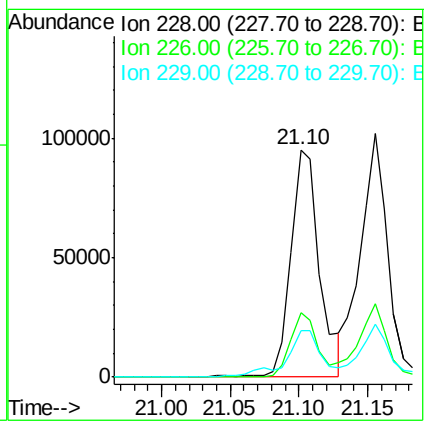
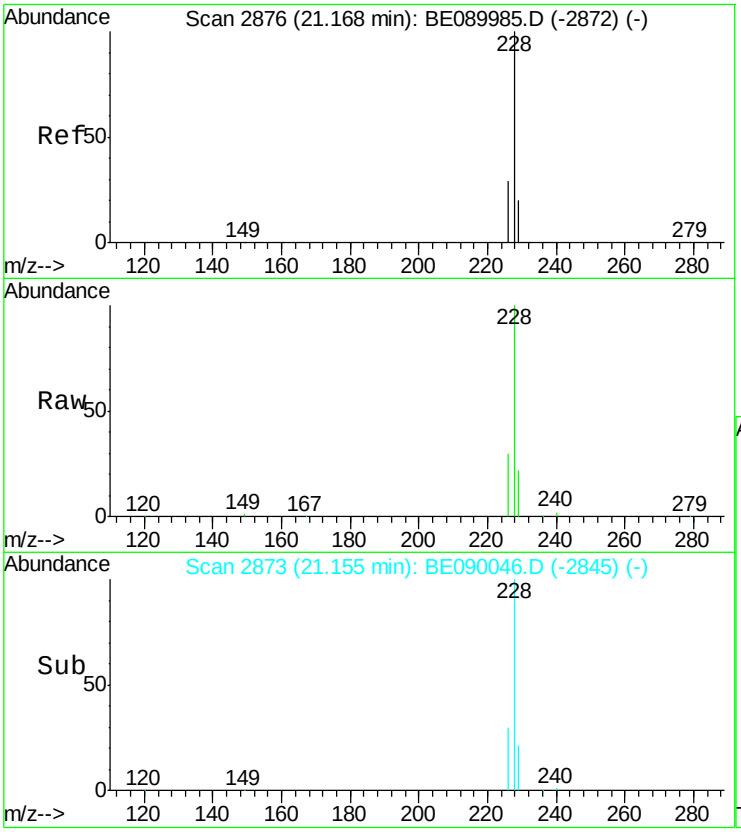


#28
Benzo(a)anthracene
Concen: 5.27 ng
RT: 21.10 min Scan# 2865
Delta R.T. -0.01 min
Lab File: BE090046.D
Acq: 1 Jul 2015 18:22

Tgt Ion:228 Resp: 136946

Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.8	32.6
229	20.3	15.8	23.6

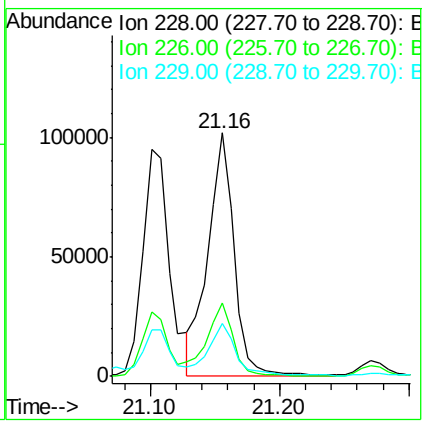




#29
Chrysene
Concen: 5.29 ng
RT: 21.16 min Scan# 2873
Delta R.T. -0.01 min
Lab File: BE090046.D
Acq: 1 Jul 2015 18:22

Tgt Ion:228 Resp: 142867

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.4	35.0
229	21.5	16.2	24.2



Instrument :
BNA_E
ClientSampleId :
X1SS0720624-150625

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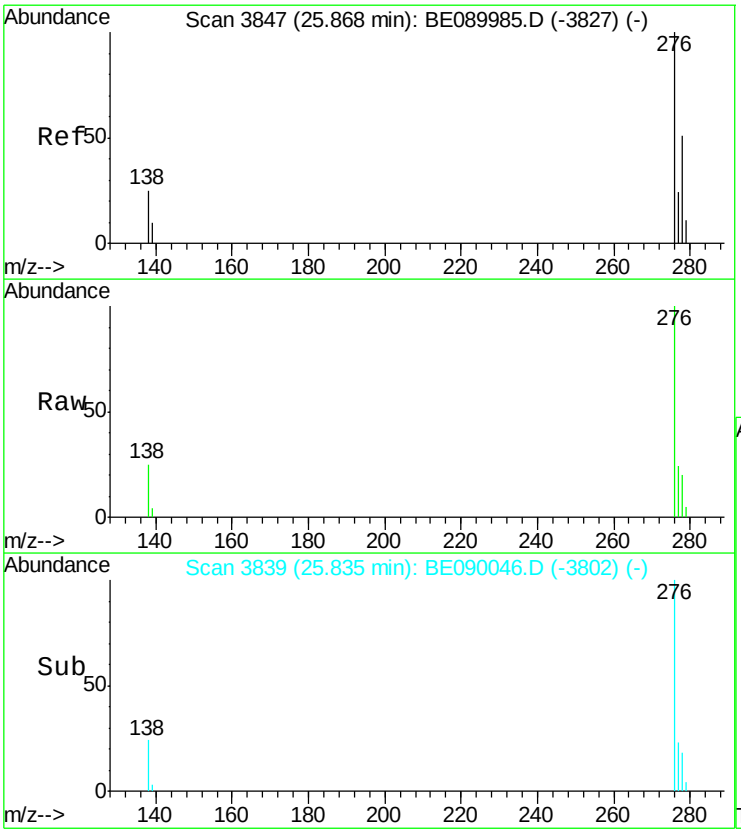
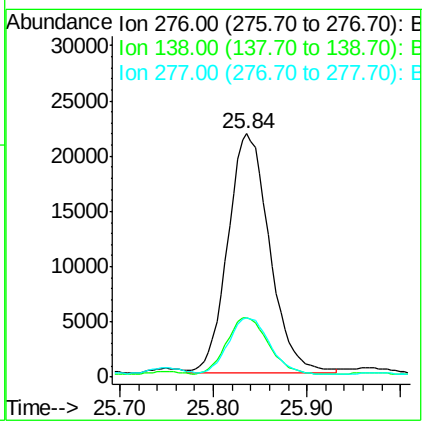
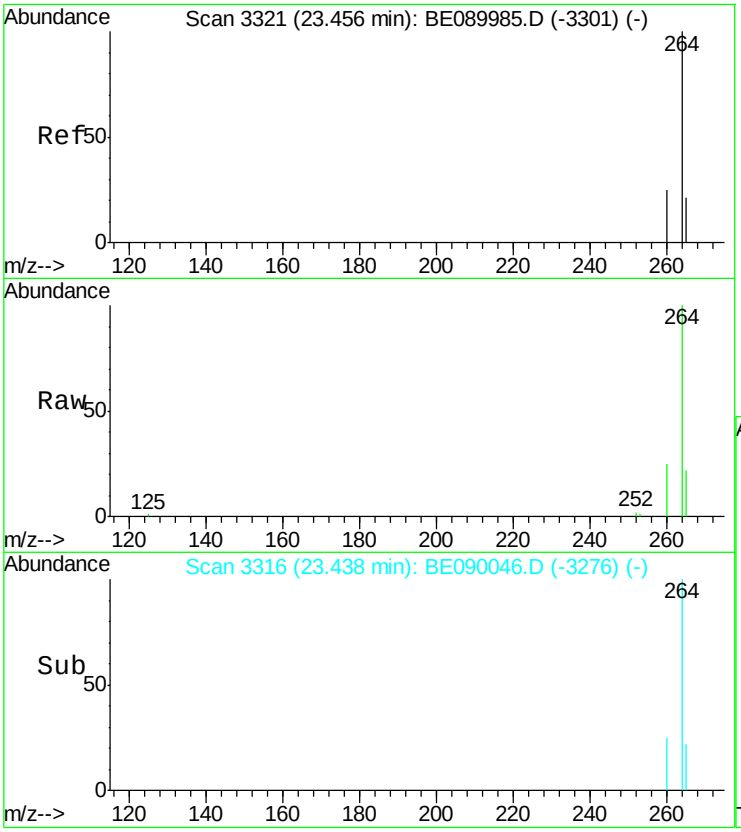


#31
Indeno(1,2,3-cd)pyrene
Concen: 2.60 ng
RT: 25.84 min Scan# 3839
Delta R.T. -0.03 min
Lab File: BE090046.D
Acq: 1 Jul 2015 18:22

Tgt Ion:276 Resp: 67388

Ion	Ratio	Lower	Upper
276	100		
138	24.2	21.3	31.9
277	23.5	19.7	29.5

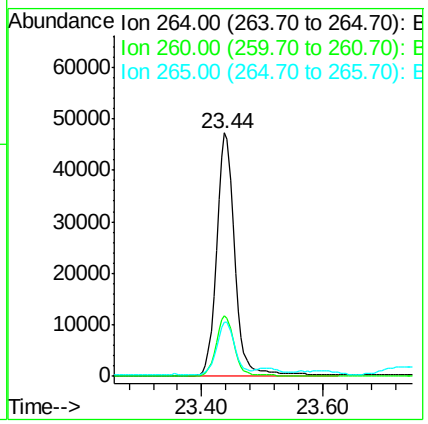




#32
Perylene-d12
Concen: 5.00 ng
RT: 23.44 min Scan# 3316
Delta R.T. -0.02 min
Lab File: BE090046.D
Acq: 1 Jul 2015 18:22

Tgt Ion:264 Resp: 97864

Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.2	30.2
265	22.4	17.1	25.7



Instrument :
BNA_E
ClientSampleId :
X1SS0720624-150625

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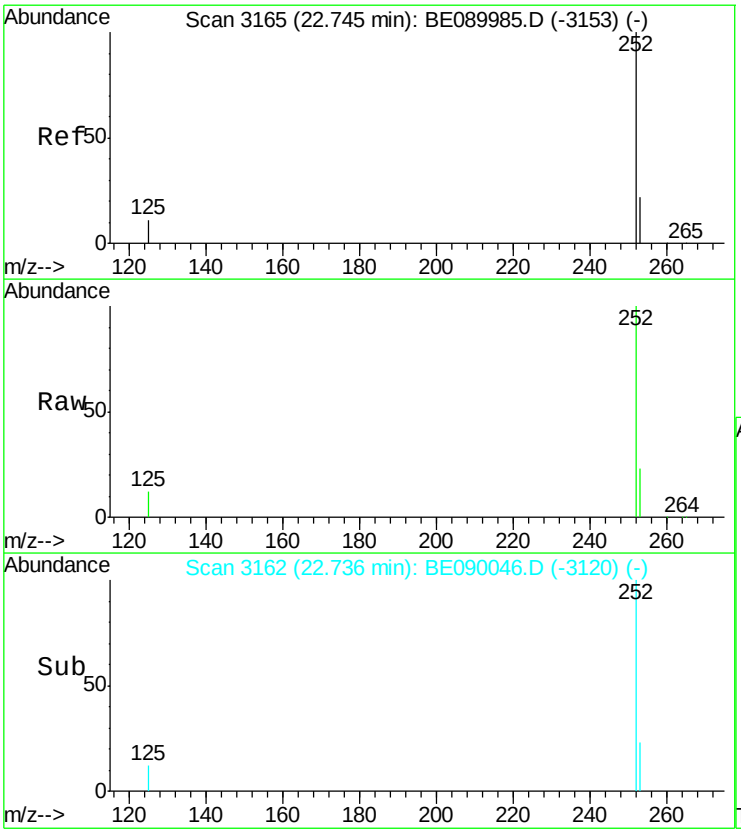
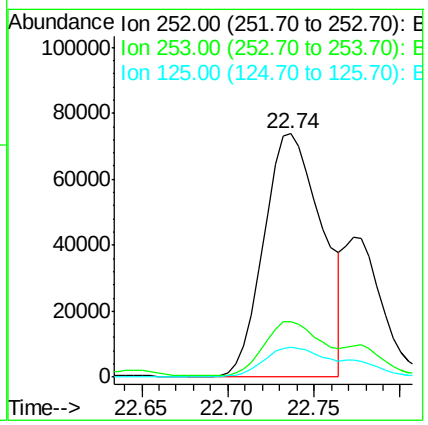
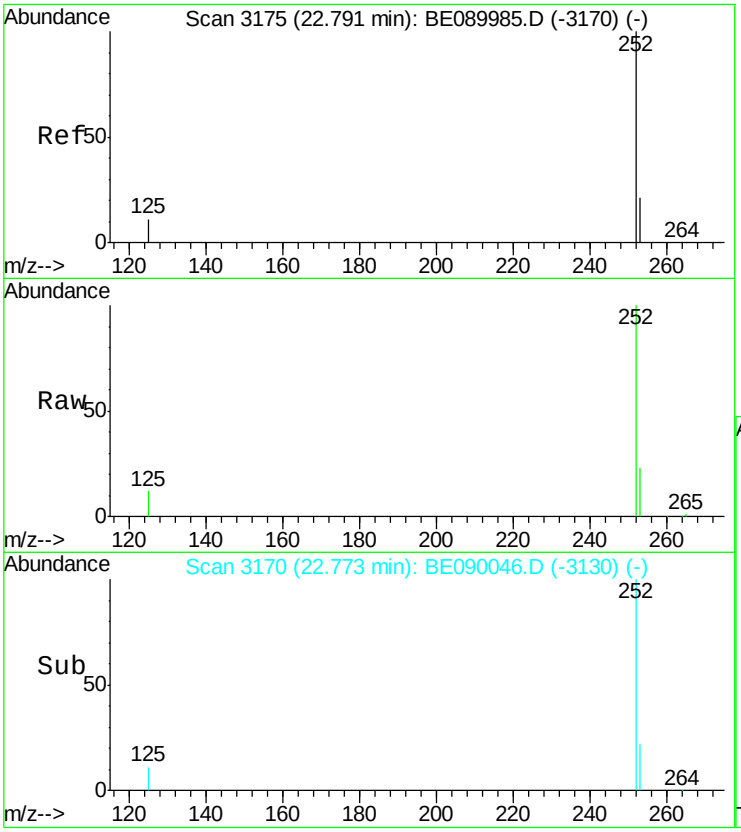


#33
Benzo(b)fluoranthene
Concen: 8.00 ng
RT: 22.74 min Scan# 3162
Delta R.T. -0.01 min
Lab File: BE090046.D
Acq: 1 Jul 2015 18:22

Tgt Ion:252 Resp: 172653

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	12.1	9.0	13.4

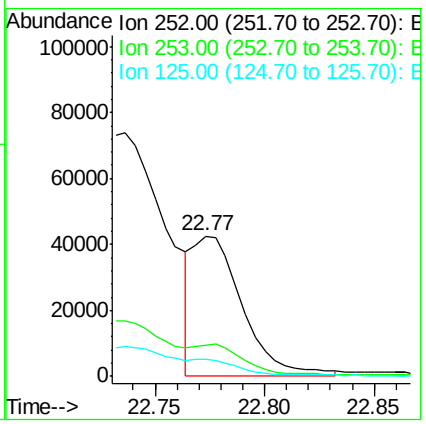




#34
Benzo(k)fluoranthene
Concen: 2.78 ng m
RT: 22.77 min Scan# 3170
Delta R.T. -0.02 min
Lab File: BE090046.D
Acq: 1 Jul 2015 18:22

Tgt Ion:252 Resp: 66932

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	11.8	9.5	14.3



Instrument :
BNA_E
ClientSampleId :
X1SS0720624-150625

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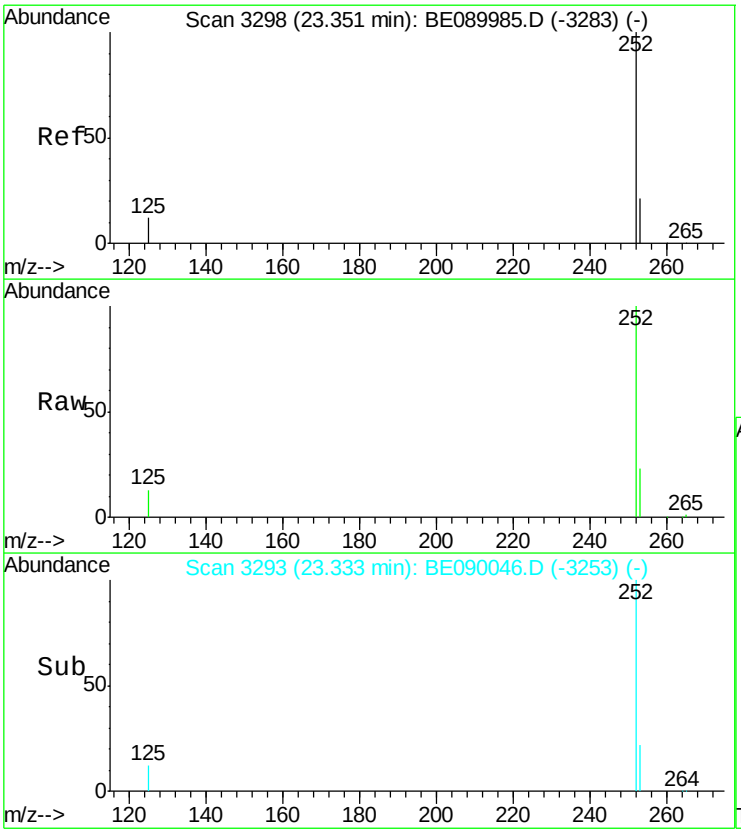
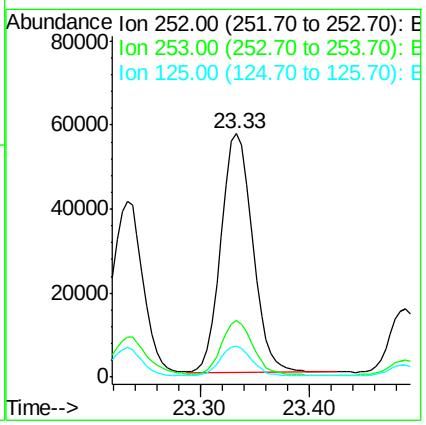
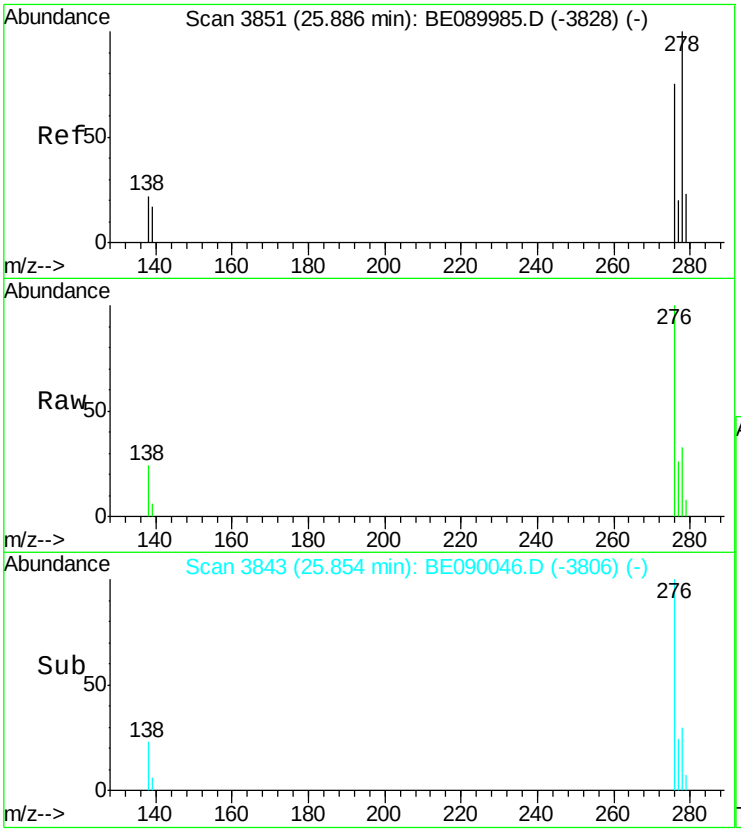


#35
Benzo(a)pyrene
Concen: 5.72 ng
RT: 23.33 min Scan# 3293
Delta R.T. -0.02 min
Lab File: BE090046.D
Acq: 1 Jul 2015 18:22

Tgt Ion:252 Resp: 113995

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	12.6	10.5	15.7

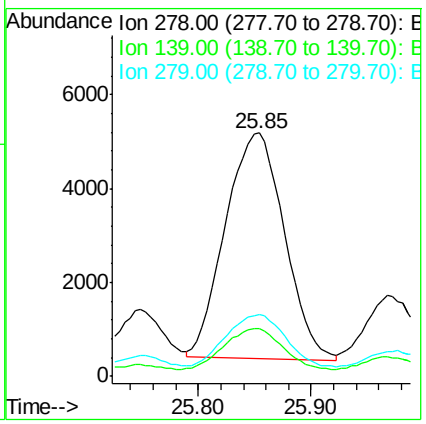




#36
Dibenzo(a,h)anthracene
Concen: 0.84 ng
RT: 25.85 min Scan# 3843
Delta R.T. -0.03 min
Lab File: BE090046.D
Acq: 1 Jul 2015 18:22

Tgt Ion:278 Resp: 17284

Ion	Ratio	Lower	Upper
278	100		
139	19.5	14.4	21.6
279	25.6	19.0	28.6



Instrument :
BNA_E
ClientSampleId :
X1SS0720624-150625

Manual Integrations APPROVED
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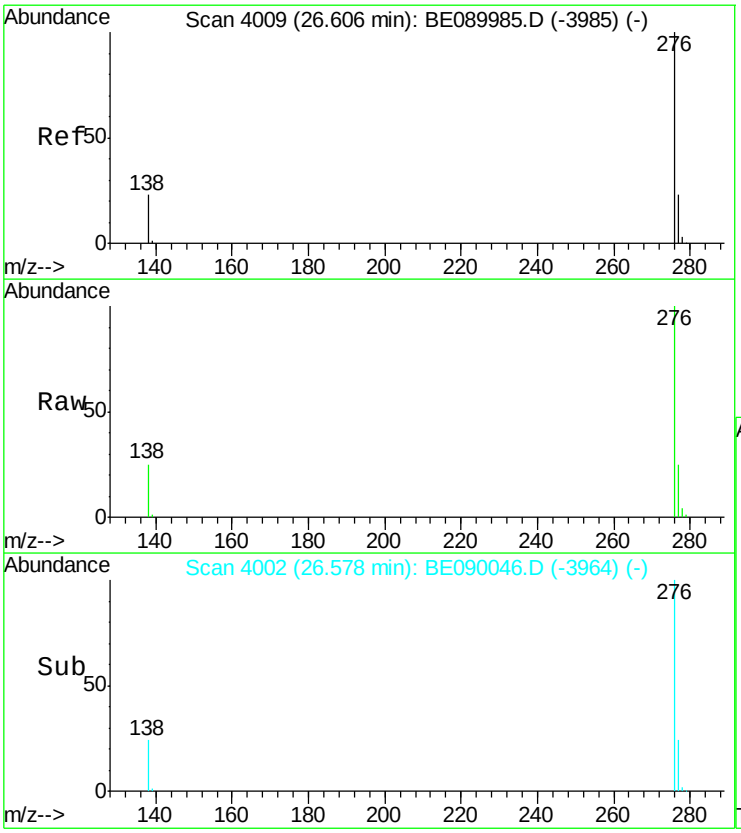

#37
Benzo(g,h,i)perylene
Concen: 3.22 ng
RT: 26.58 min Scan# 4002
Delta R.T. -0.03 min
Lab File: BE090046.D
Acq: 1 Jul 2015 18:22

Tgt Ion:276 Resp: 66770

Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.8	28.2
138	24.8	18.6	27.8