Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
Data File : BE088115.D
Acq On : 20 Oct 2014 19:33
Operator : TP/JJ
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
mohammad
10/22/2014 1:50:00 PM

Quant Time: Oct 21 01:59:43 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 21 01:52:35 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	52225	5.00	ng		0.00
3) Naphthalene-d8	8.70	136	197785	5.00	ng		0.00
7) Acenaphthene-d10	10.85	164	87546	5.00	ng		0.00
12) Phenanthrene-d10	12.96	188	159488	5.00	ng		0.00
16) Chrysene-d12	18.39	240	116737	5.00	ng		0.00
22) Perylene-d12	21.45	264	107013	5.00	ng		0.00
System Monitoring Compounds							
4) Nitrobenzene-d5	7.82	82	1289	0.11	ng		0.00
8) 2-Fluorobiphenyl	10.03	172	2397	0.10	ng		0.00
18) Terphenyl-d14	16.15	244	1895	0.10	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.42	88	709	0.09	ng	#	86
5) Naphthalene	8.72	128	4234	0.11	ng		96
6) 2-Methylnaphthalene	9.57	142	2373	0.10	ng		98
9) Acenaphthylene	10.67	152	12709	0.10	ng		100
10) Acenaphthene	10.88	154	2264	0.11	ng		85
11) Fluorene	11.55	166	2147	0.10	ng		100
13) Phenanthrene	13.00	178	20363	0.14	ng	#	88
14) Anthracene	13.09	178	12654	0.10	ng	#	89
15) Fluoranthene	15.25	202	3514	0.11	ng		99
17) Pyrene	15.70	202	3683	0.12	ng		99
19) Benzo(a)anthracene	18.36	228	12688	0.14	ng		96
20) Chrysene	18.44	228	11939	0.11	ng		97
21) Indeno(1,2,3-cd)pyrene	23.64	276	12292m	0.14	ng		
23) Benzo(b)fluoranthene	20.68	252	2962	0.15	ng	#	92
24) Benzo(k)fluoranthene	20.74	252	3145	0.11	ng	#	94
25) Benzo(a)pyrene	21.32	252	2450	0.14	ng	#	92
26) Dibenzo(a,h)anthracene	23.73	278	2524	0.14	ng		92
27) Benzo(g,h,i)perylene	24.27	276	11618	0.13	ng		94

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

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Manual Integrations APPROVED
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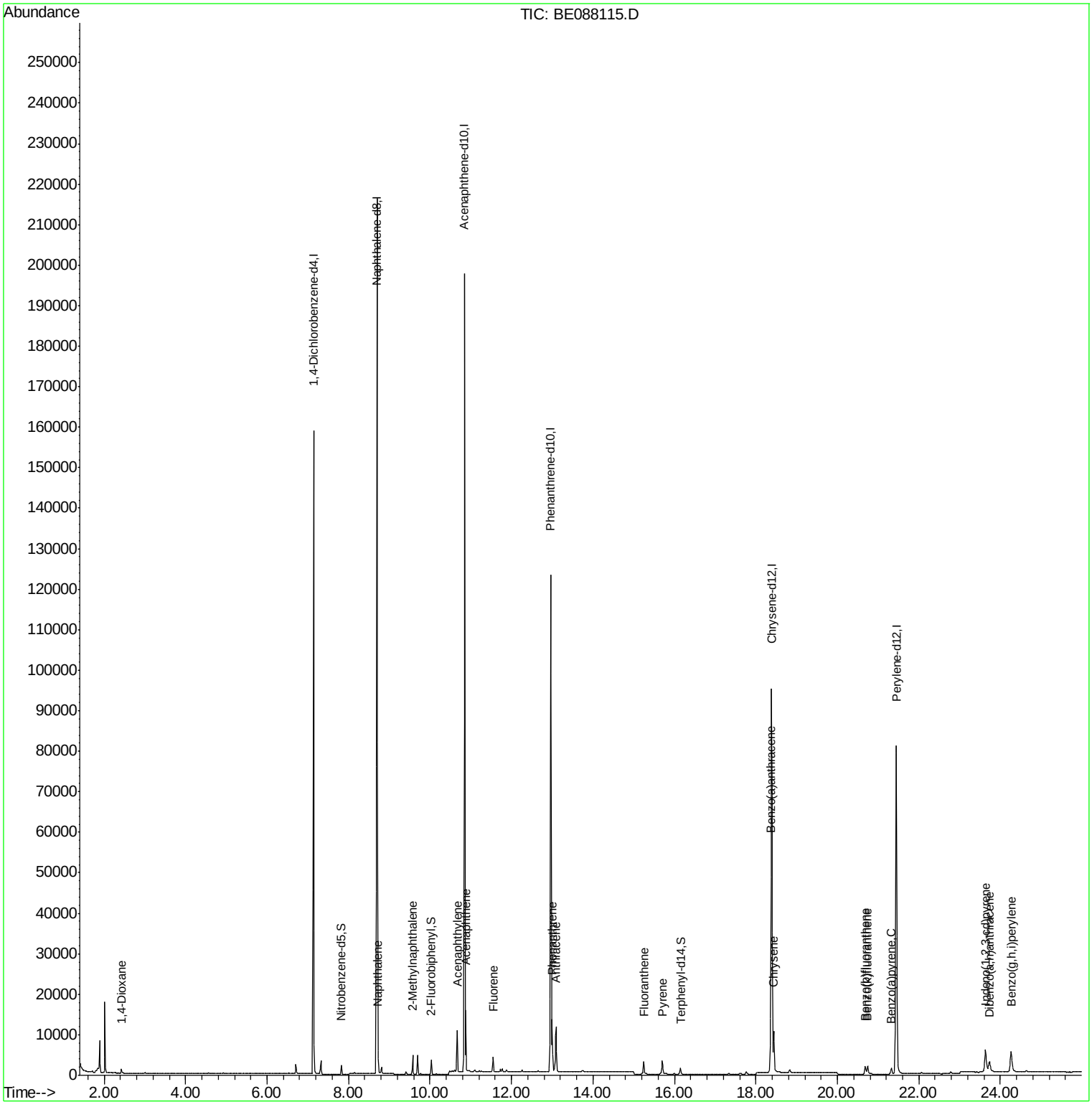
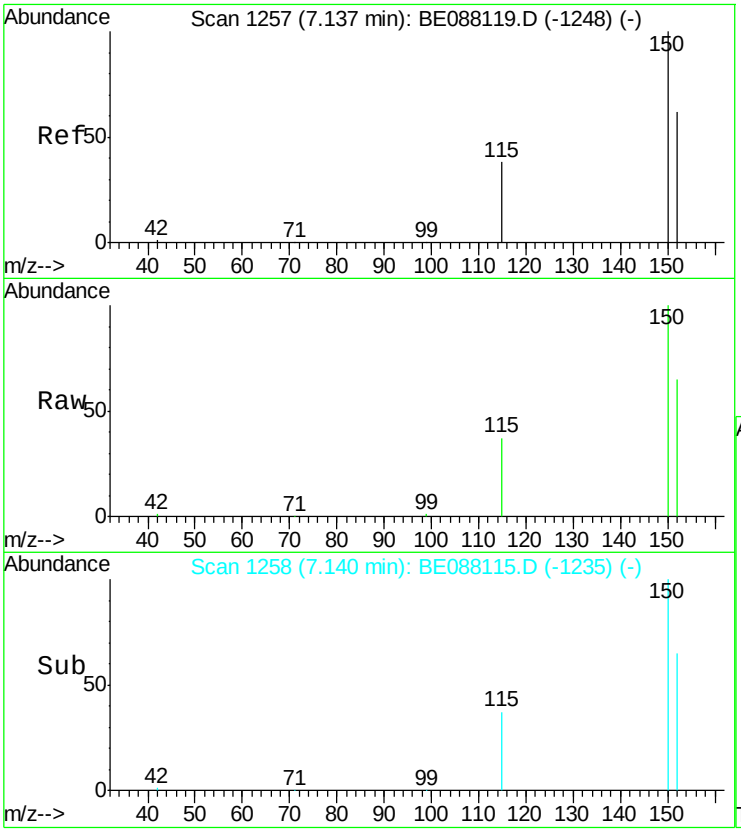
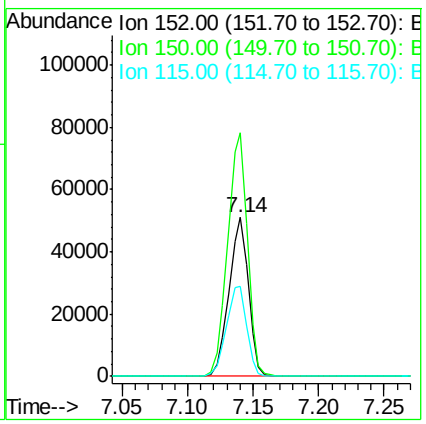




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.14 min Scan# 1258
Delta R.T. 0.00 min
Lab File: BE088115.D
Acq: 20 Oct 2014 19:33

Tgt Ion:152 Resp: 52225

Ion	Ratio	Lower	Upper
152	100		
150	153.1	129.2	193.8
115	56.2	49.3	73.9



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
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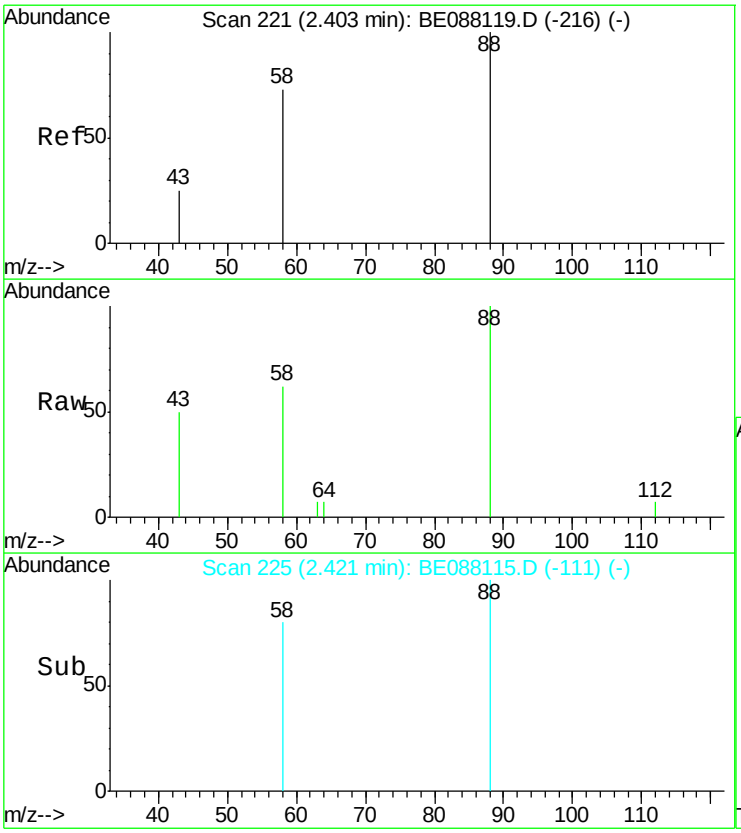
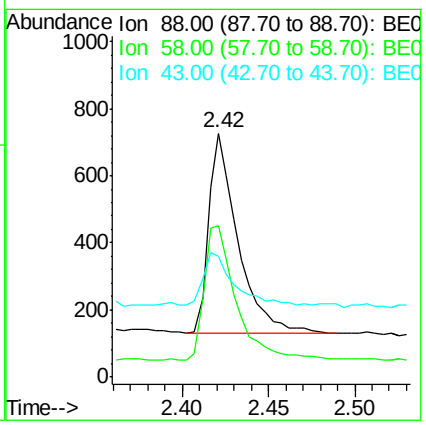
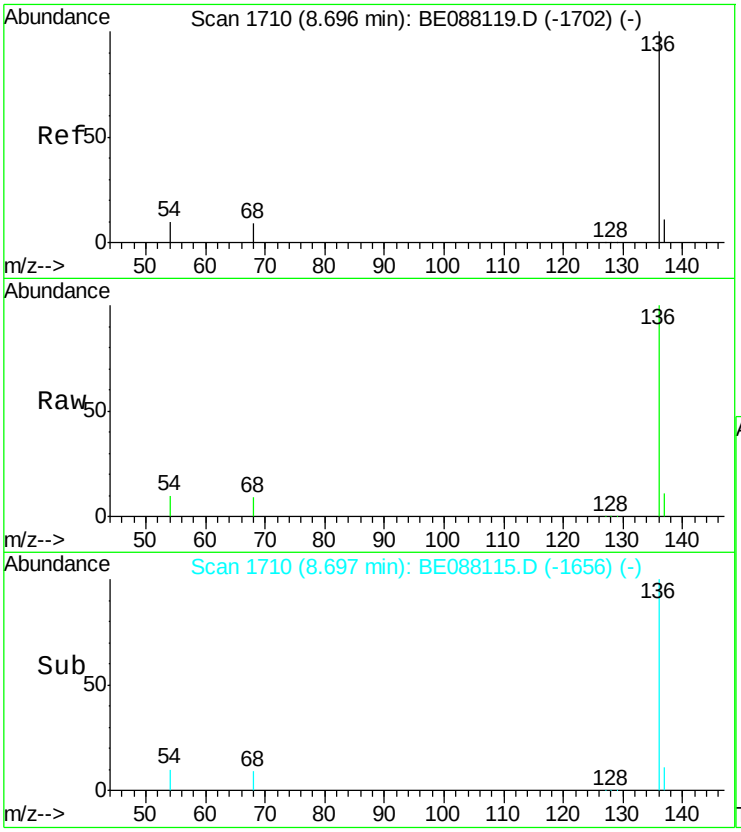


#2
1,4-Dioxane
Concen: 0.09 ng
RT: 2.42 min Scan# 225
Delta R.T. 0.02 min
Lab File: BE088115.D
Acq: 20 Oct 2014 19:33

Tgt Ion: 88 Resp: 709

Ion	Ratio	Lower	Upper
88	100		
58	74.9	59.5	89.3
43	0.0	21.2	31.8#

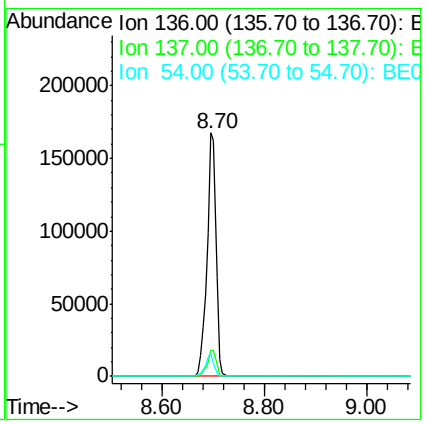




#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.70 min Scan# 1710
Delta R.T. 0.00 min
Lab File: BE088115.D
Acq: 20 Oct 2014 19:33

Tgt Ion:136 Resp: 197785

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	9.6	7.7	11.5



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
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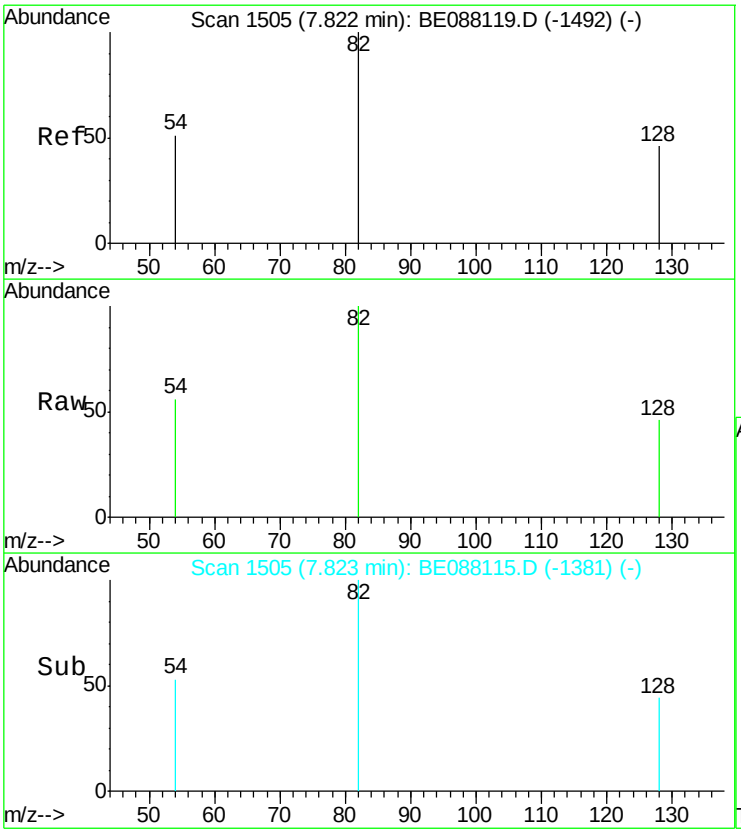
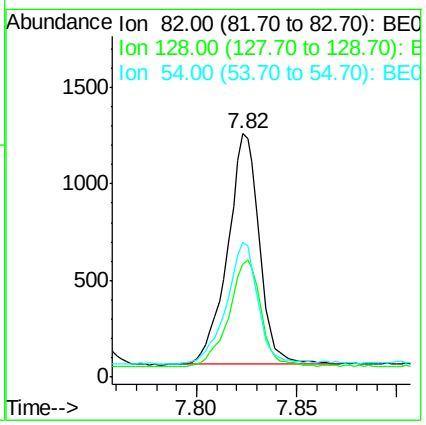
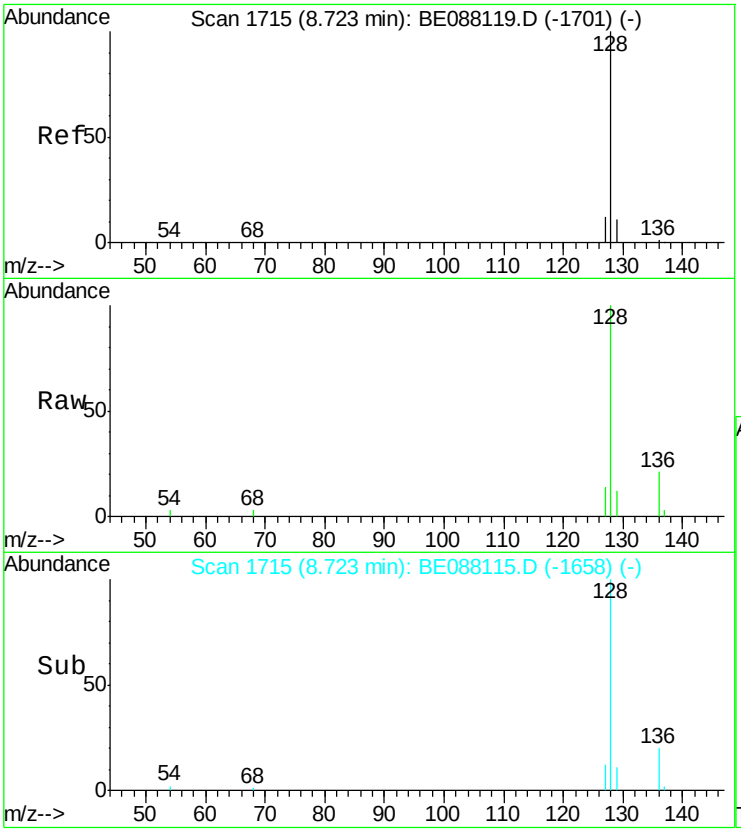


#4
Nitrobenzene-d5
Concen: 0.11 ng
RT: 7.82 min Scan# 1505
Delta R.T. 0.00 min
Lab File: BE088115.D
Acq: 20 Oct 2014 19:33

Tgt Ion: 82 Resp: 1289

Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.1	55.7
54	55.6	41.1	61.7

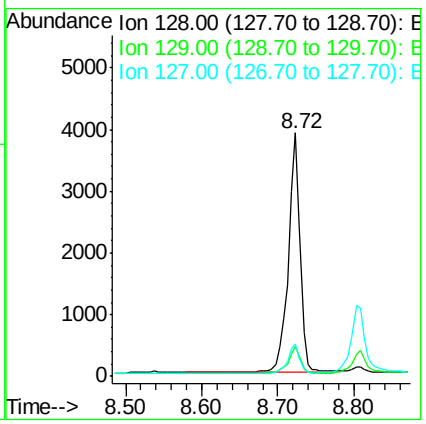




#5
Naphthalene
Concen: 0.11 ng
RT: 8.72 min Scan# 1715
Delta R.T. 0.00 min
Lab File: BE088115.D
Acq: 20 Oct 2014 19:33

Tgt Ion:128 Resp: 4234

Ion	Ratio	Lower	Upper
128	100		
129	12.4	8.9	13.3
127	13.6	9.7	14.5



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
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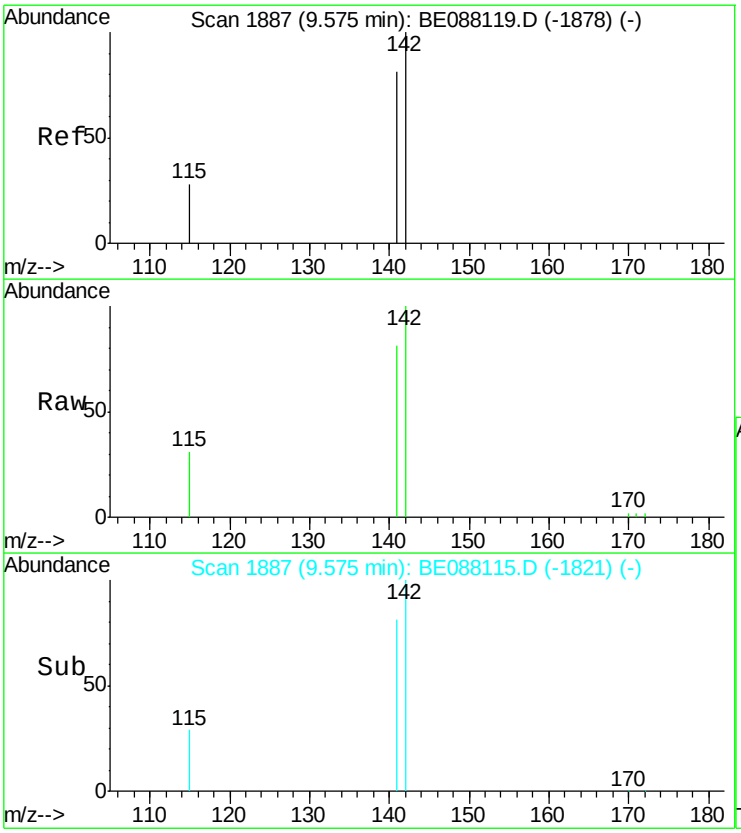
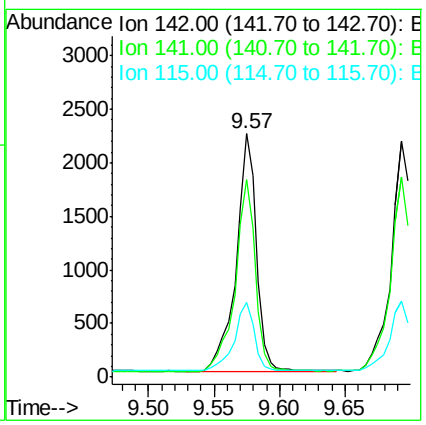
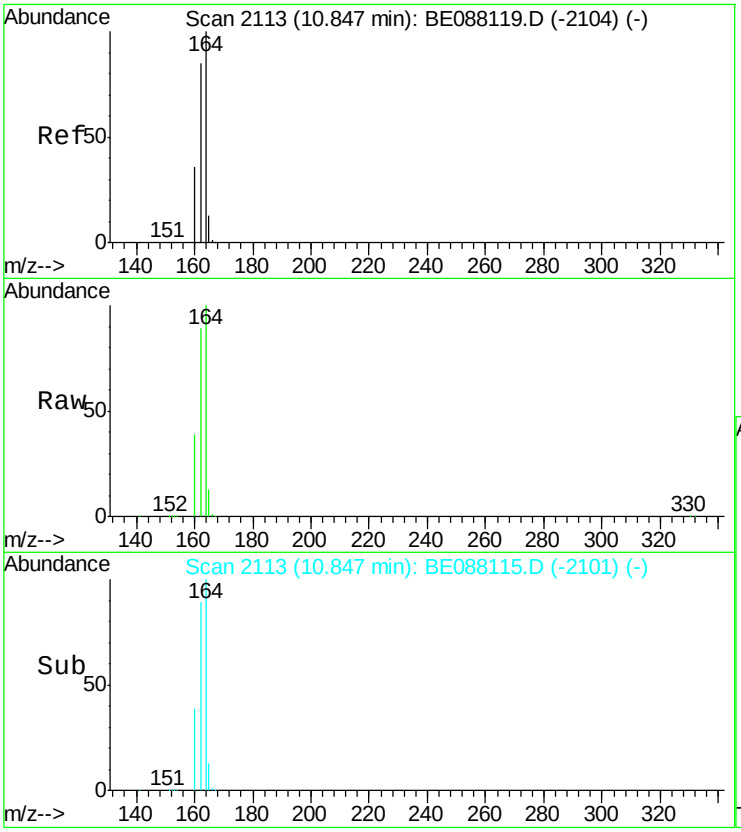


#6
2-Methylnaphthalene
Concen: 0.10 ng
RT: 9.57 min Scan# 1887
Delta R.T. -0.00 min
Lab File: BE088115.D
Acq: 20 Oct 2014 19:33

Tgt Ion:142 Resp: 2373

Ion	Ratio	Lower	Upper
142	100		
141	81.4	64.6	97.0
115	30.8	22.6	34.0





#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.85 min Scan# 2113
Delta R.T. -0.00 min
Lab File: BE088115.D
Acq: 20 Oct 2014 19:33

Tgt Ion:164 Resp: 87546

Ion	Ratio	Lower	Upper
164	100		
162	89.1	68.3	102.5
160	38.7	28.7	43.1

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
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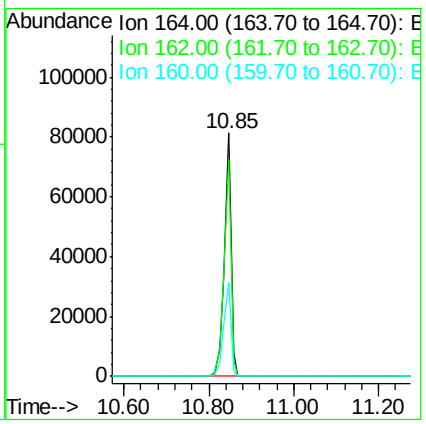
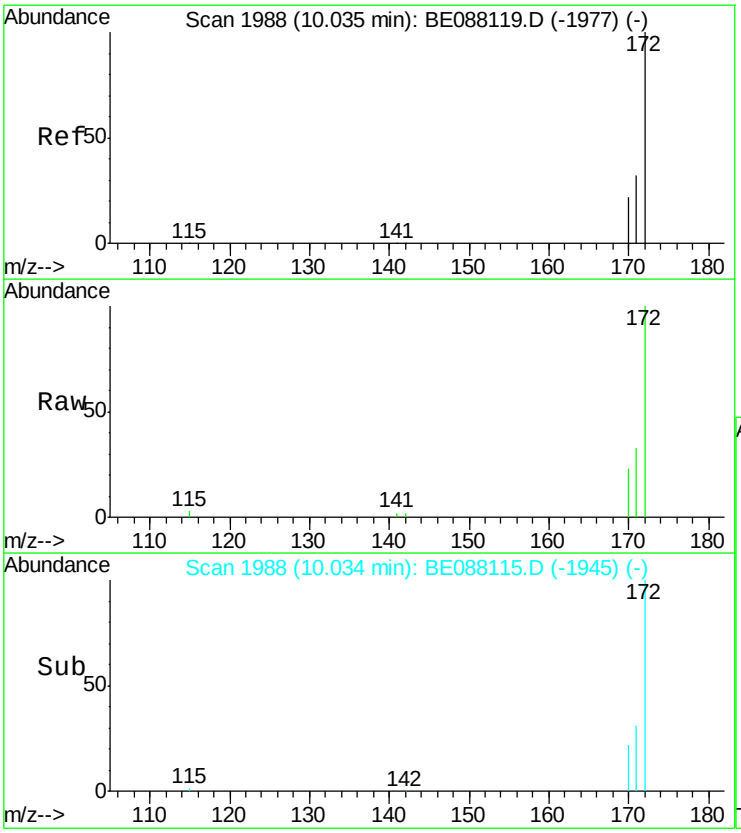
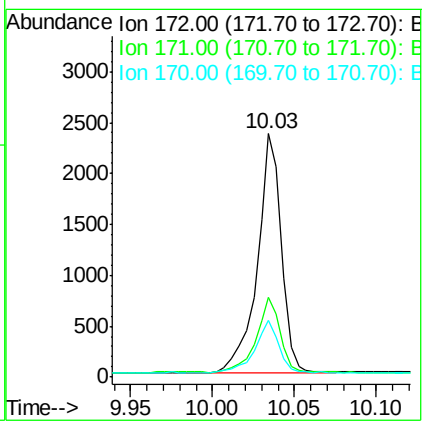


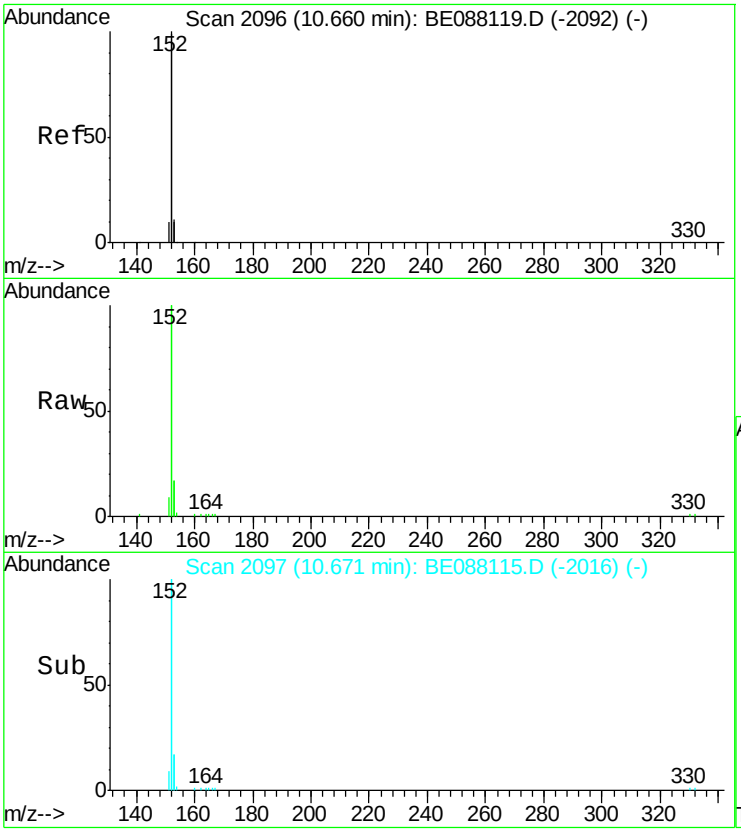


#8
2-Fluorobiphenyl
Concen: 0.10 ng
RT: 10.03 min Scan# 1988
Delta R.T. -0.00 min
Lab File: BE088115.D
Acq: 20 Oct 2014 19:33

Tgt Ion:172 Resp: 2397

Ion	Ratio	Lower	Upper
172	100		
171	32.7	25.4	38.2
170	23.4	17.4	26.2

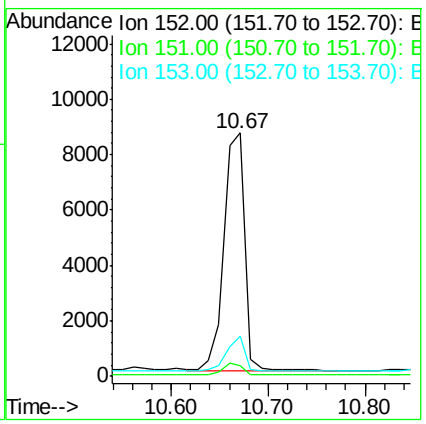




#9
Acenaphthylene
Concen: 0.10 ng
RT: 10.67 min Scan# 2097
Delta R.T. 0.01 min
Lab File: BE088115.D
Acq: 20 Oct 2014 19:33

Tgt Ion:152 Resp: 12709

Ion	Ratio	Lower	Upper
152	100		
151	4.6	3.7	5.5
153	12.8	10.4	15.6



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
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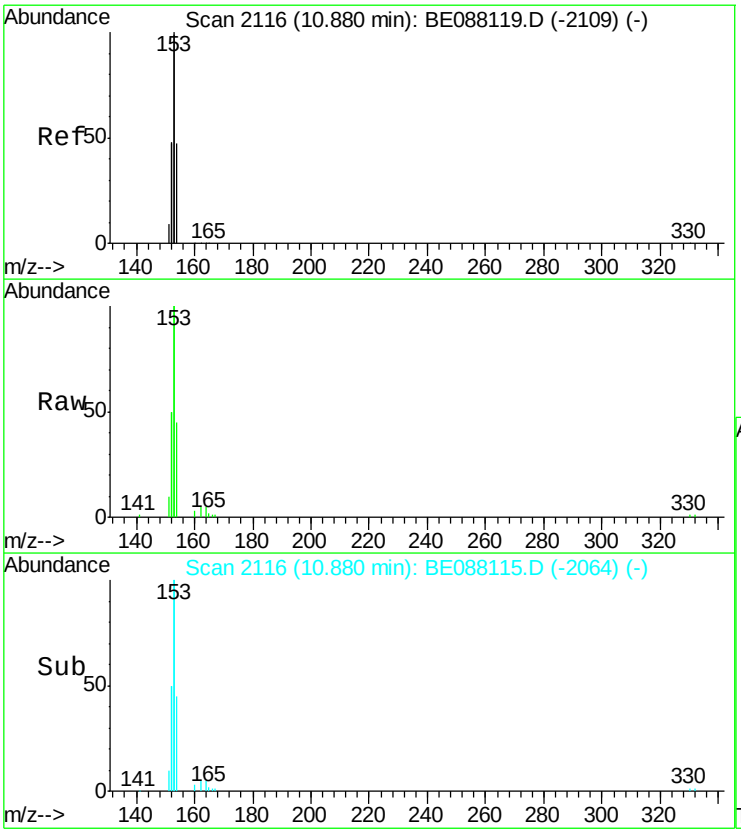
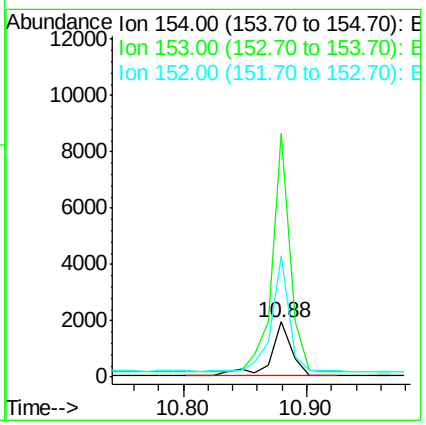
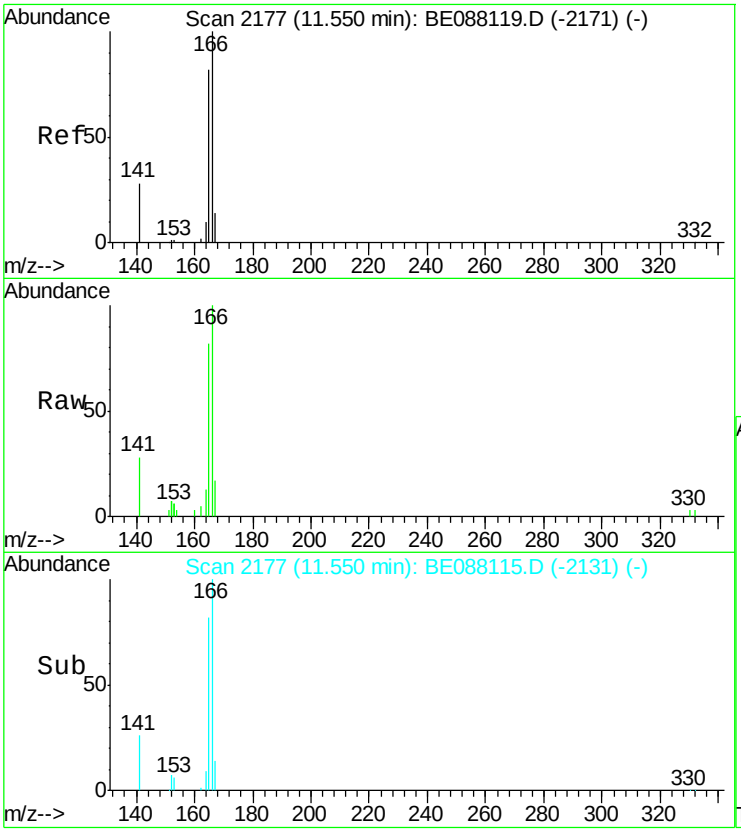


#10
Acenaphthene
Concen: 0.11 ng
RT: 10.88 min Scan# 2116
Delta R.T. -0.00 min
Lab File: BE088115.D
Acq: 20 Oct 2014 19:33

Tgt Ion:154 Resp: 2264

Ion	Ratio	Lower	Upper
154	100		
153	371.7	327.8	491.6
152	177.8	157.6	236.4

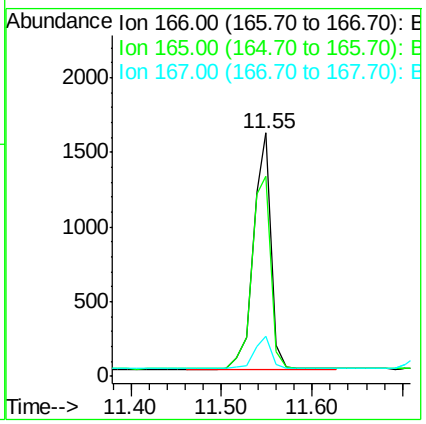




#11
Fluorene
Concen: 0.10 ng
RT: 11.55 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BE088115.D
Acq: 20 Oct 2014 19:33

Tgt Ion:166 Resp: 2147

Ion	Ratio	Lower	Upper
166	100		
165	89.2	71.4	107.2
167	13.6	10.6	16.0



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
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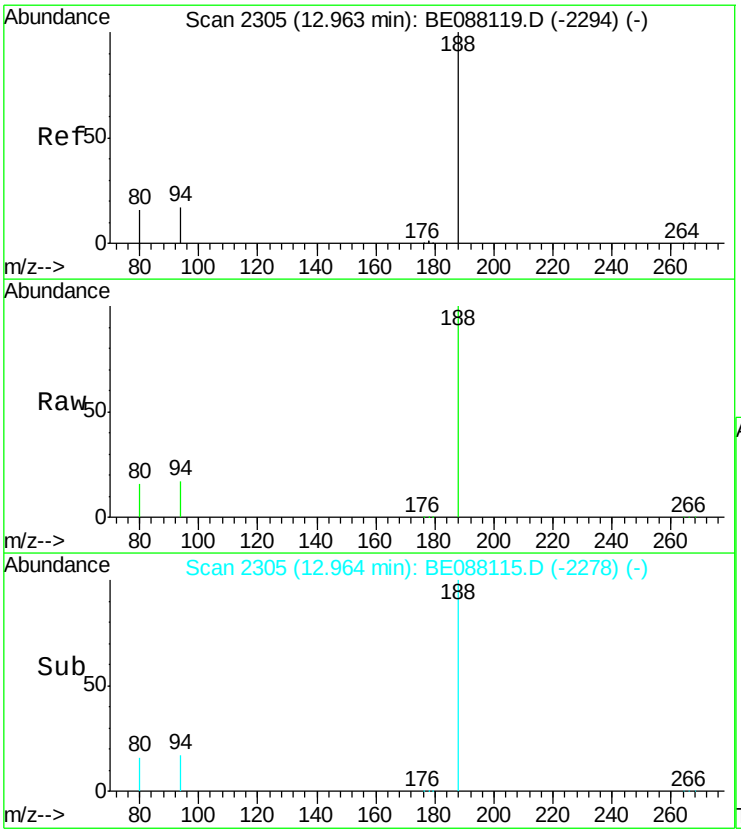
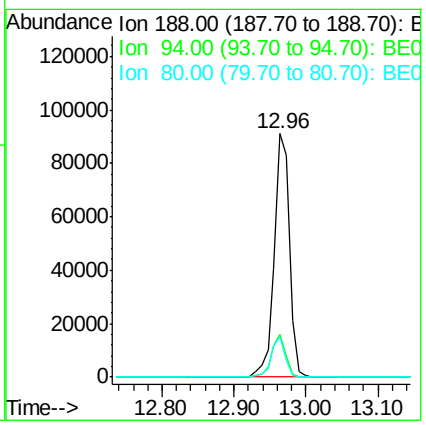
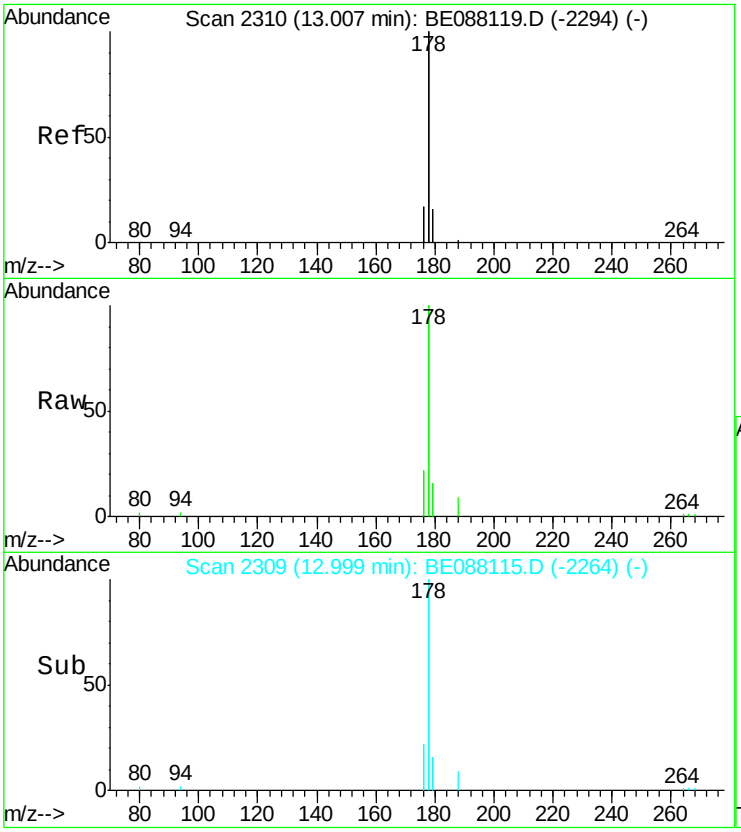


#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.96 min Scan# 2305
Delta R.T. 0.00 min
Lab File: BE088115.D
Acq: 20 Oct 2014 19:33

Tgt Ion:188 Resp: 159488

Ion	Ratio	Lower	Upper
188	100		
94	17.4	13.9	20.9
80	16.5	12.9	19.3





#13
Phenanthrene
Concen: 0.14 ng
RT: 13.00 min Scan# 2309
Delta R.T. -0.01 min
Lab File: BE088115.D
Acq: 20 Oct 2014 19:33

Tgt Ion:178 Resp: 20363

Ion	Ratio	Lower	Upper
178	100		
176	16.5	12.5	18.7
179	26.2	13.5	20.3#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
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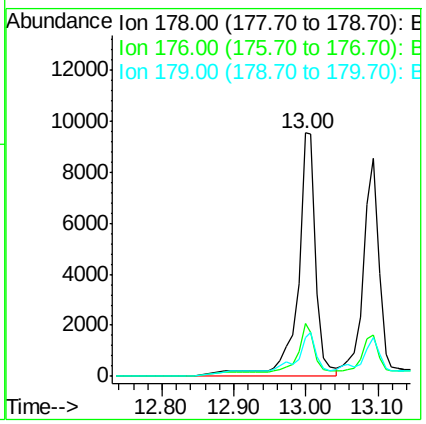
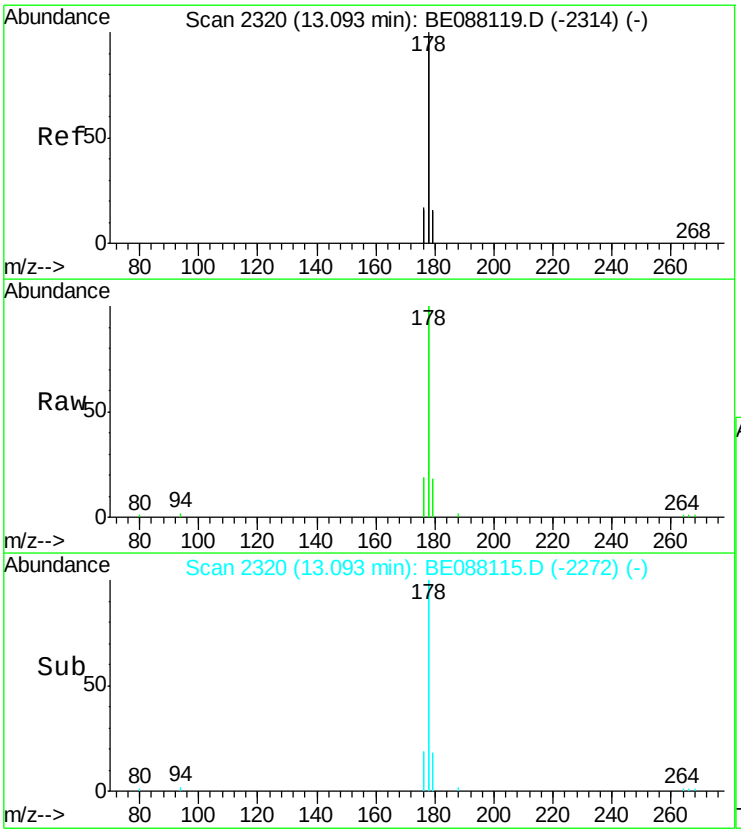
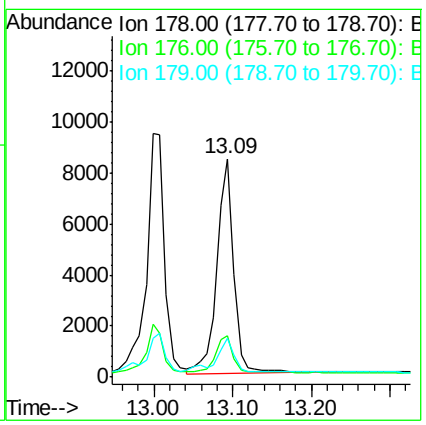


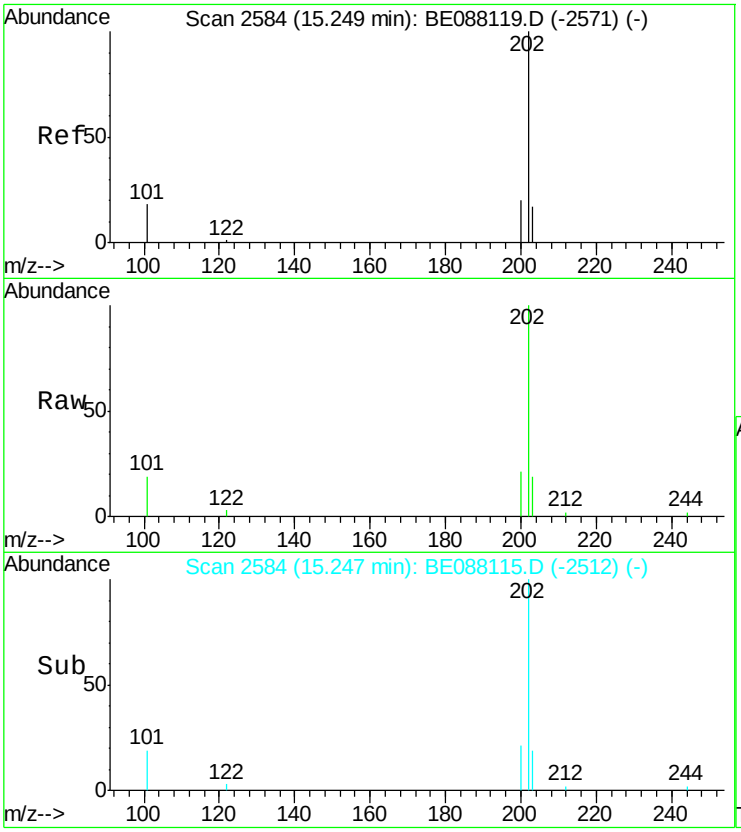


#14
Anthracene
Concen: 0.10 ng
RT: 13.09 min Scan# 2320
Delta R.T. 0.00 min
Lab File: BE088115.D
Acq: 20 Oct 2014 19:33

Tgt Ion:178 Resp: 12654

Ion	Ratio	Lower	Upper
178	100		
176	20.0	14.6	21.8
179	23.2	12.5	18.7#

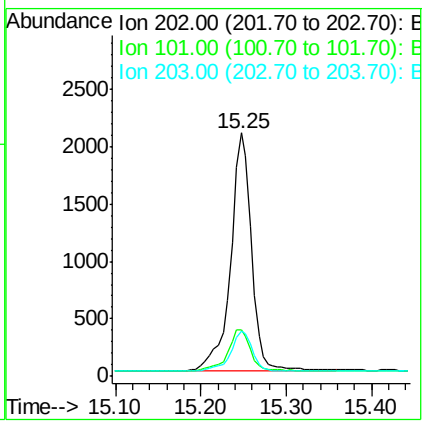




#15
Fluoranthene
Concen: 0.11 ng
RT: 15.25 min Scan# 2584
Delta R.T. -0.00 min
Lab File: BE088115.D
Acq: 20 Oct 2014 19:33

Tgt Ion:202 Resp: 3514

Ion	Ratio	Lower	Upper
202	100		
101	17.8	14.8	22.2
203	16.8	13.5	20.3



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
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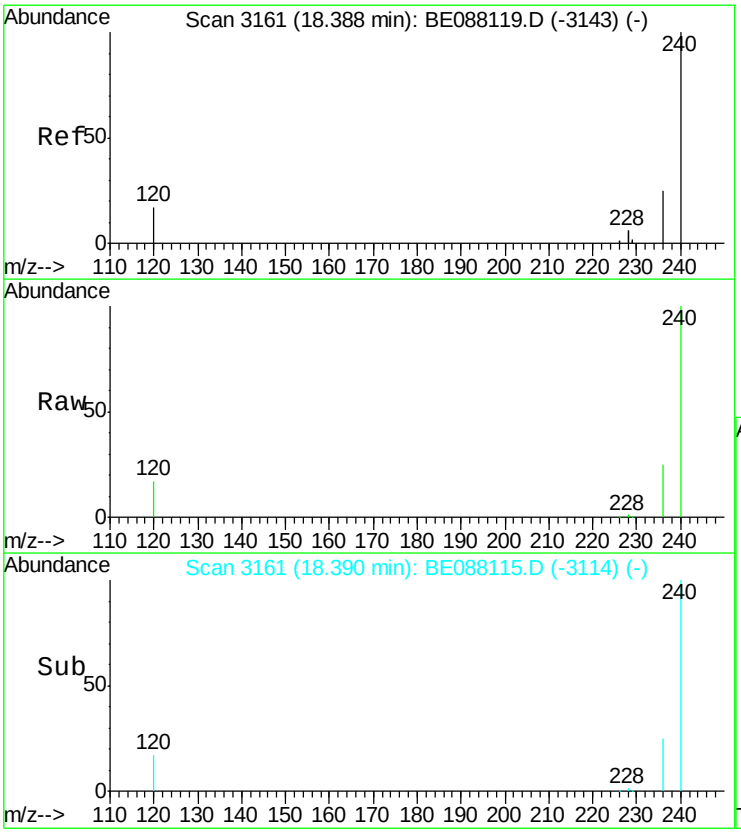
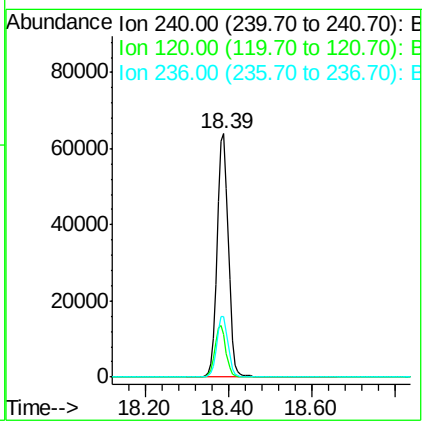
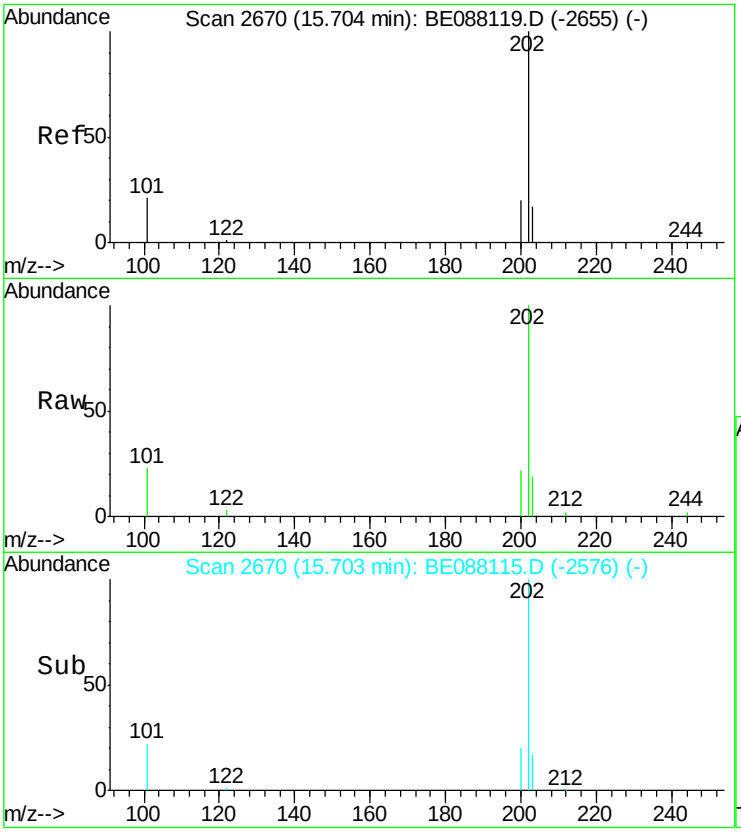


#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.39 min Scan# 3161
Delta R.T. 0.00 min
Lab File: BE088115.D
Acq: 20 Oct 2014 19:33

Tgt Ion:240 Resp: 116737

Ion	Ratio	Lower	Upper
240	100		
120	17.5	13.9	20.9
236	24.9	19.9	29.9





#17
Pyrene
Concen: 0.12 ng
RT: 15.70 min Scan# 2670
Delta R.T. -0.00 min
Lab File: BE088115.D
Acq: 20 Oct 2014 19:33

Tgt Ion:202 Resp: 3683

Ion	Ratio	Lower	Upper
202	100		
200	19.5	16.1	24.1
203	17.2	13.9	20.9

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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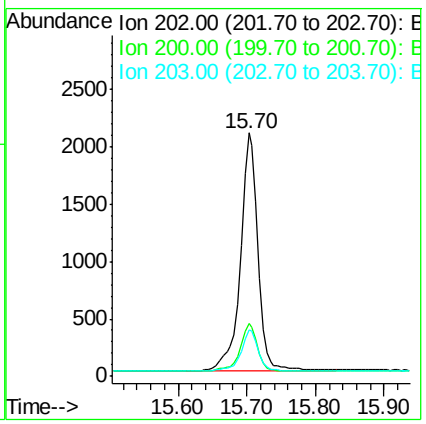
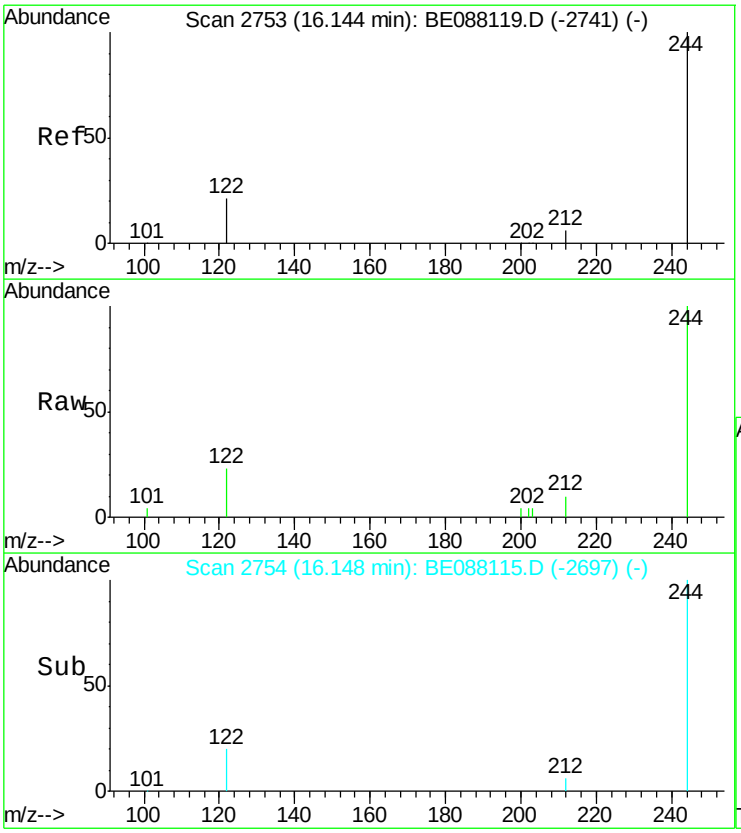
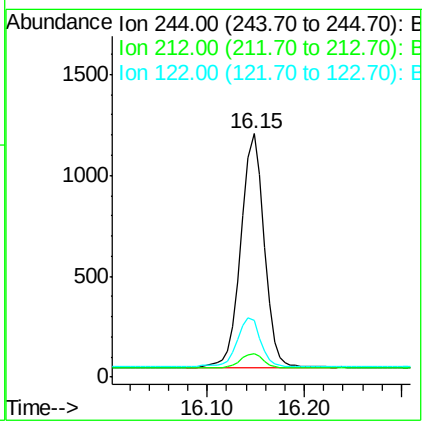


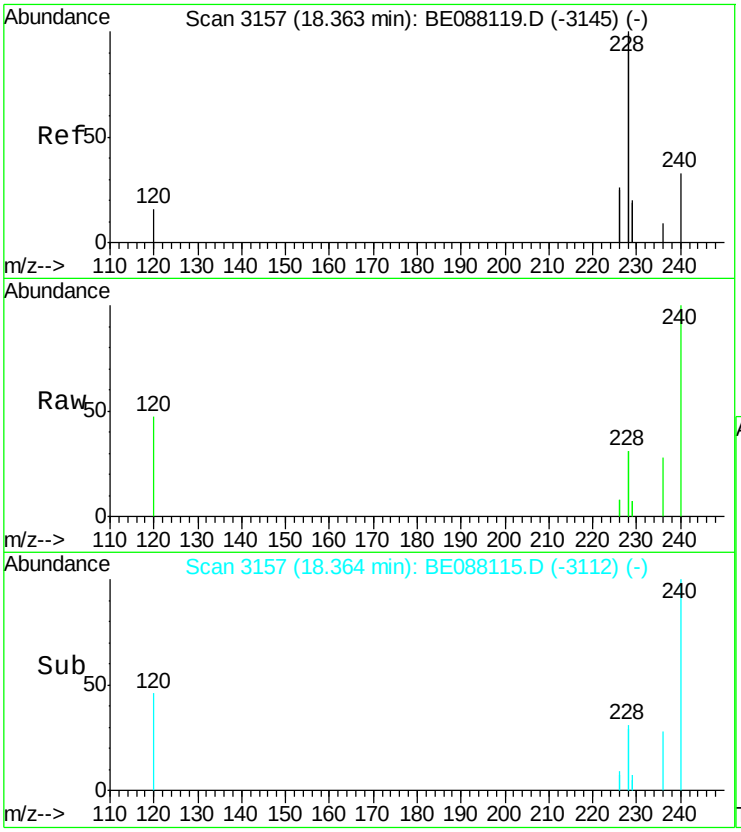


#18
Terphenyl-d14
Concen: 0.10 ng
RT: 16.15 min Scan# 2754
Delta R.T. 0.00 min
Lab File: BE088115.D
Acq: 20 Oct 2014 19:33

Tgt Ion:244 Resp: 1895

Ion	Ratio	Lower	Upper
244	100		
212	9.7	5.4	8.0#
122	23.3	17.5	26.3





#19
Benzo(a)anthracene
Concen: 0.14 ng
RT: 18.36 min Scan# 3157
Delta R.T. 0.00 min
Lab File: BE088115.D
Acq: 20 Oct 2014 19:33

Tgt Ion:228 Resp: 12688

Ion	Ratio	Lower	Upper
228	100		
226	27.6	20.8	31.2
229	21.8	15.6	23.4

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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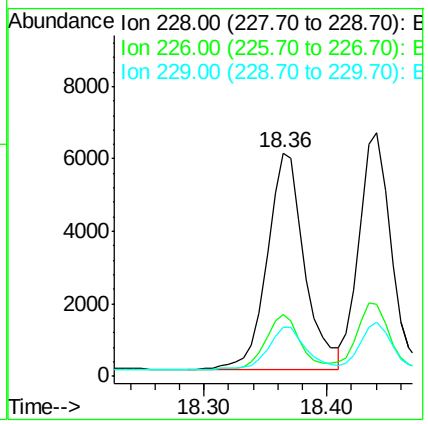
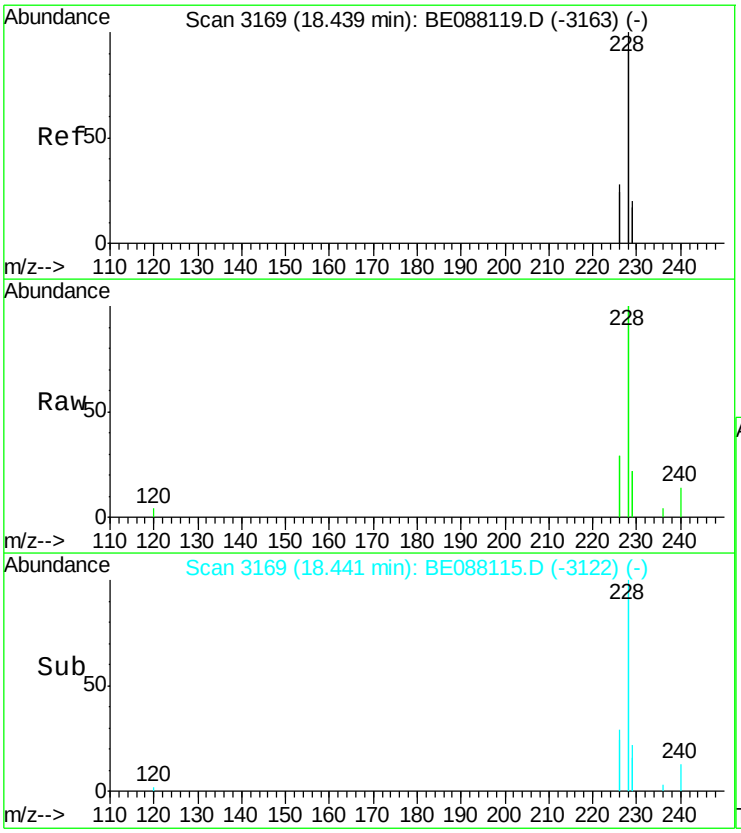
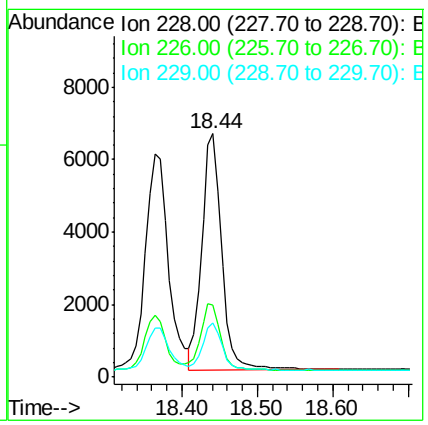


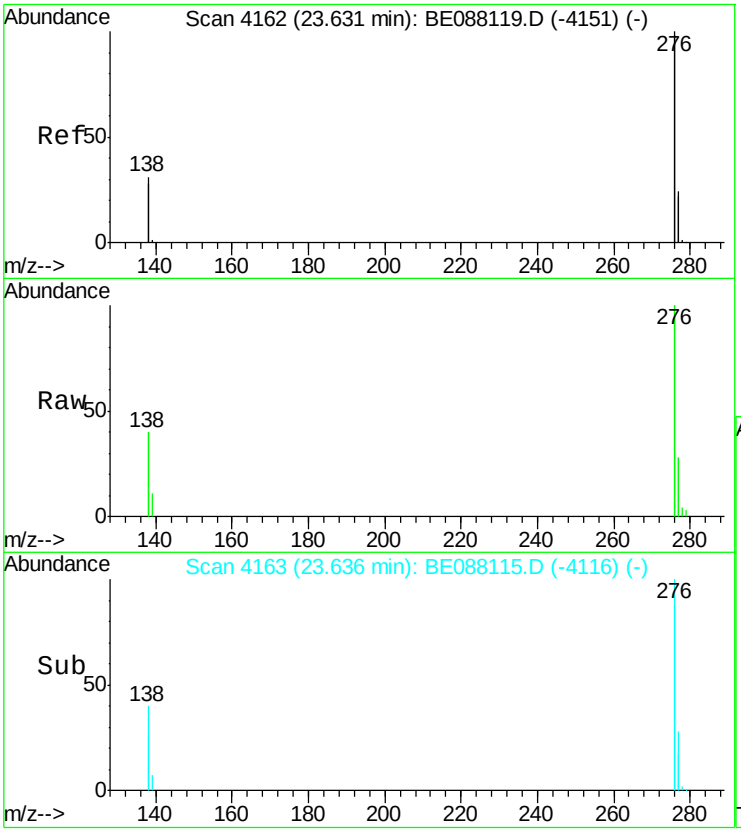


#20
Chrysene
Concen: 0.11 ng
RT: 18.44 min Scan# 3169
Delta R.T. 0.00 min
Lab File: BE088115.D
Acq: 20 Oct 2014 19:33

Tgt Ion:228 Resp: 11939

Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.7	34.1
229	22.2	15.8	23.6





#21
Indeno(1,2,3-cd)pyrene
Concen: 0.14 ng m
RT: 23.64 min Scan# 4163
Delta R.T. 0.01 min
Lab File: BE088115.D
Acq: 20 Oct 2014 19:33

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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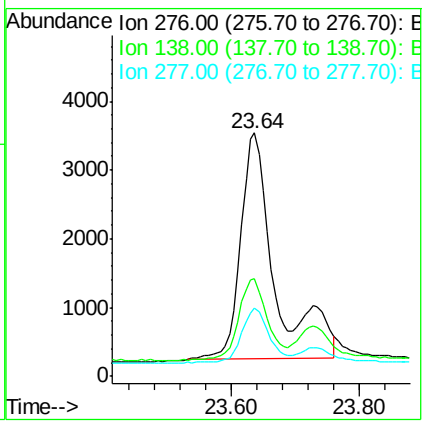
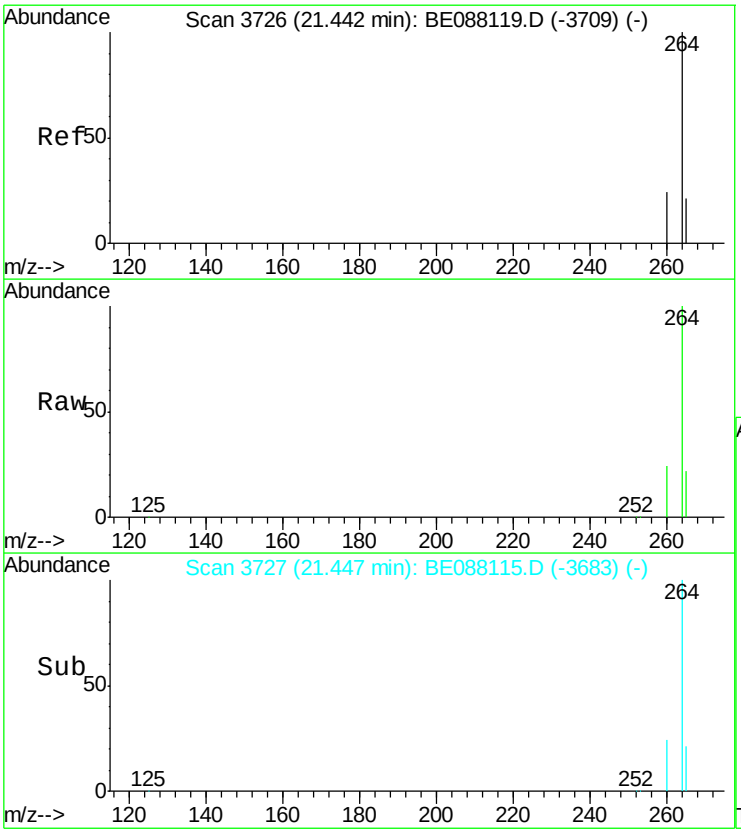
Tgt Ion:276 Resp: 12292

Ion	Ratio	Lower	Upper
276	100		
138	30.4	18.5	27.7#
277	19.6	14.6	21.8

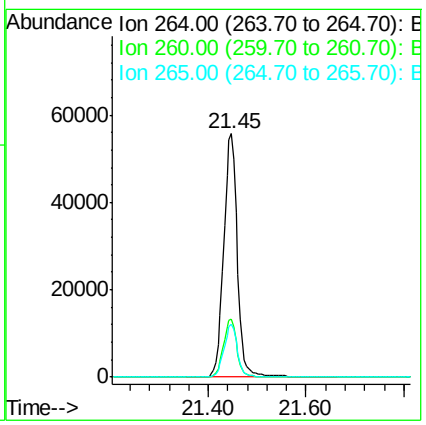


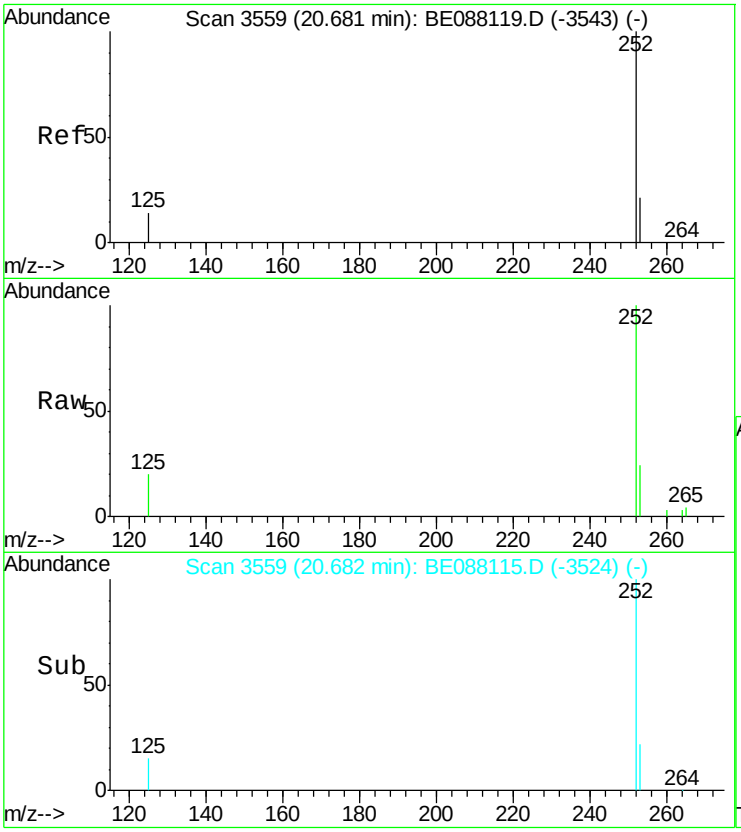


#22
Perylene-d12
Concen: 5.00 ng
RT: 21.45 min Scan# 3727
Delta R.T. 0.01 min
Lab File: BE088115.D
Acq: 20 Oct 2014 19:33

Tgt Ion:264 Resp: 107013

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.4
265	21.6	17.2	25.8





#23
Benzo(b)fluoranthene
Concen: 0.15 ng
RT: 20.68 min Scan# 3559
Delta R.T. 0.00 min
Lab File: BE088115.D
Acq: 20 Oct 2014 19:33

Tgt Ion:252 Resp: 2962

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.4	26.0
125	19.7	11.8	17.8#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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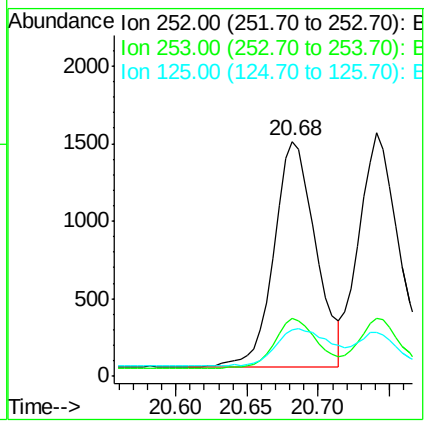
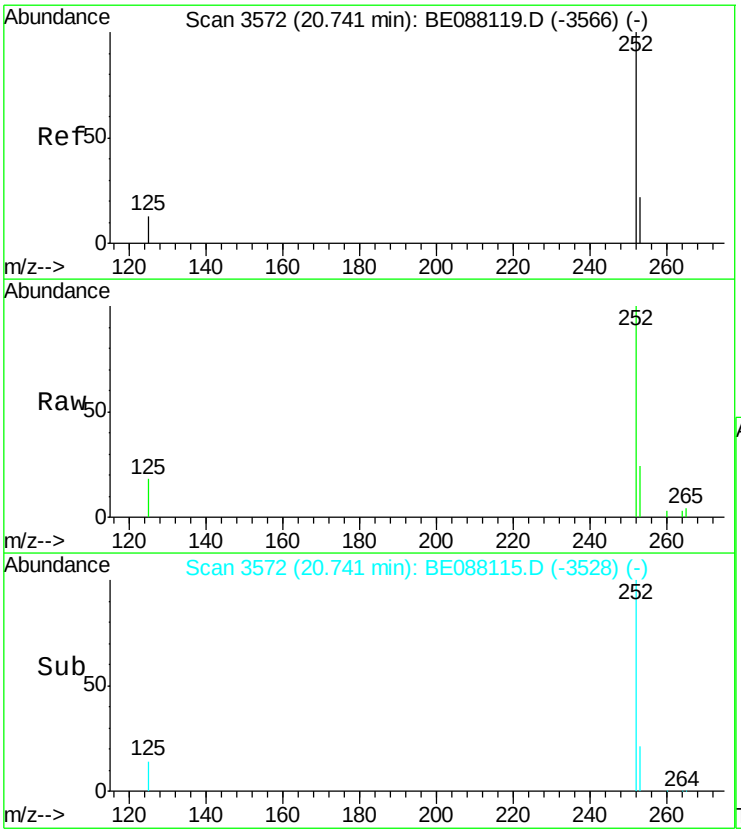
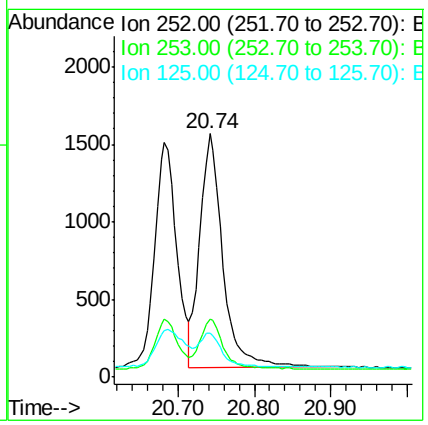


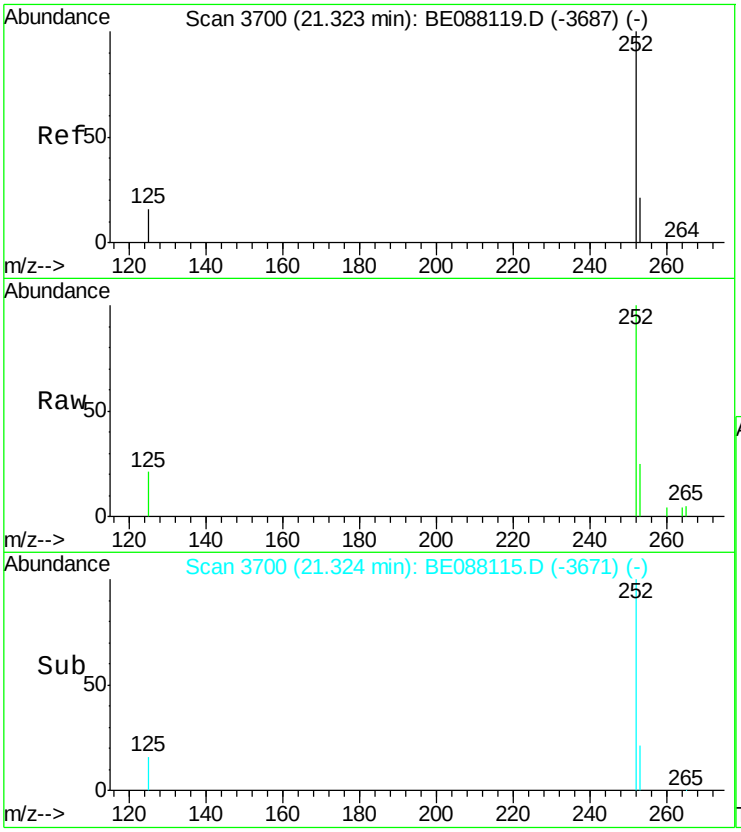


#24
Benzo(k)fluoranthene
Concen: 0.11 ng
RT: 20.74 min Scan# 3572
Delta R.T. 0.00 min
Lab File: BE088115.D
Acq: 20 Oct 2014 19:33

Tgt Ion:252 Resp: 3145

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	17.9	11.5	17.3#





#25
Benzo(a)pyrene
Concen: 0.14 ng
RT: 21.32 min Scan# 3700
Delta R.T. 0.00 min
Lab File: BE088115.D
Acq: 20 Oct 2014 19:33

Tgt Ion:252 Resp: 2450

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.5	26.3
125	21.0	13.0	19.6#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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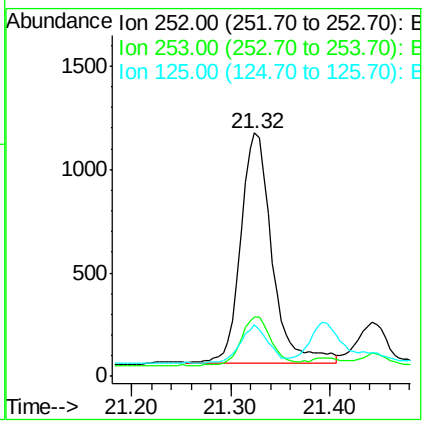
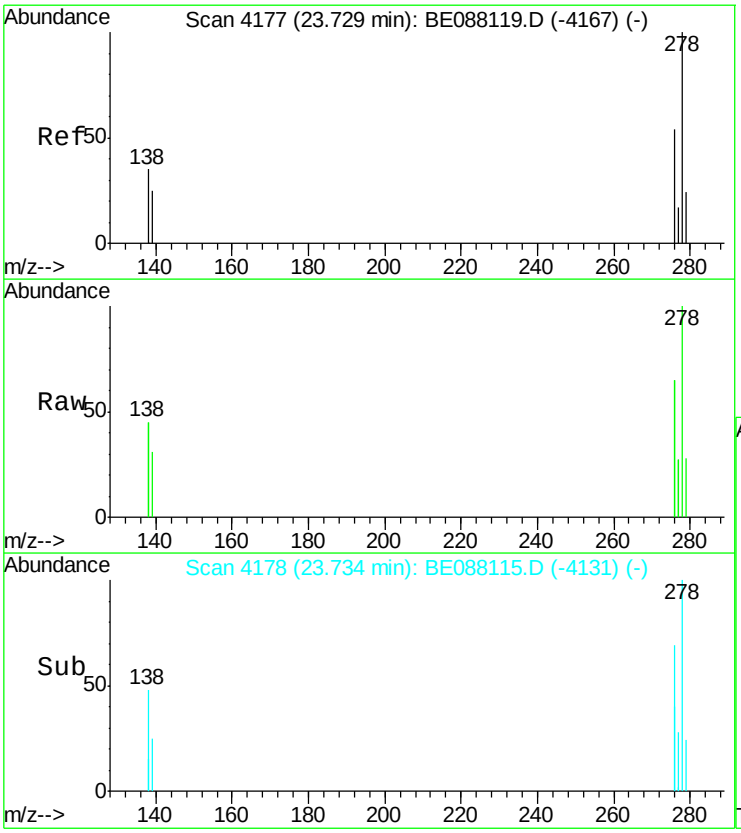
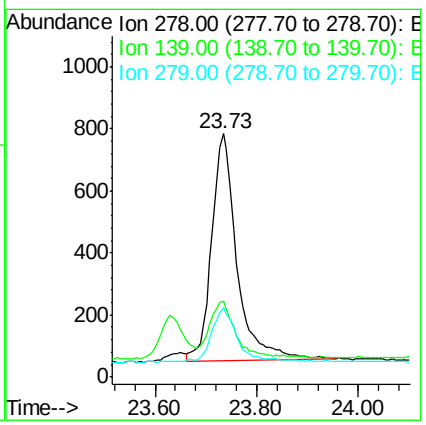


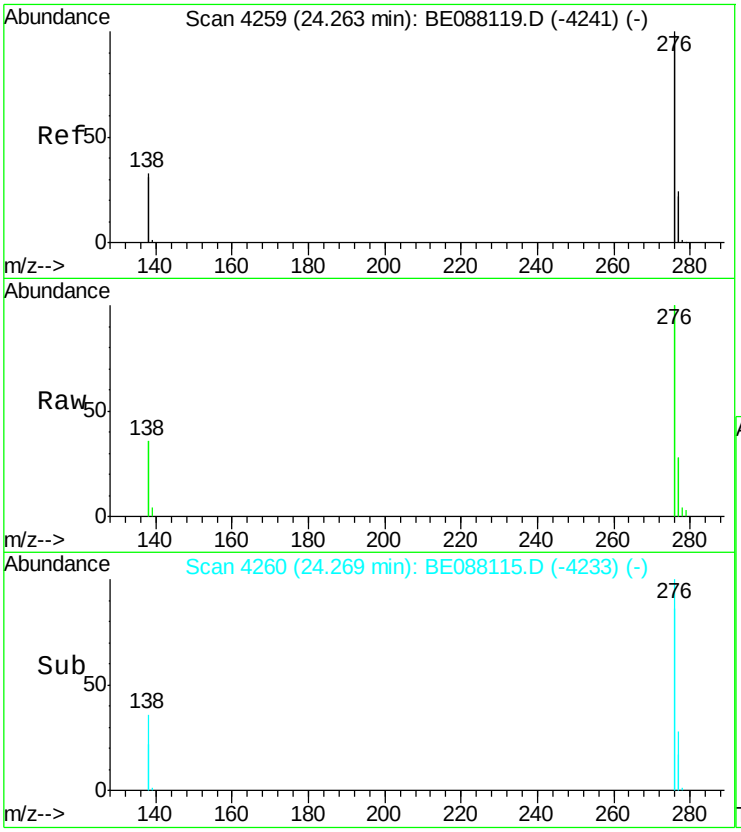


#26
Dibenzo(a,h)anthracene
Concen: 0.14 ng
RT: 23.73 min Scan# 4178
Delta R.T. 0.01 min
Lab File: BE088115.D
Acq: 20 Oct 2014 19:33

Tgt Ion:278 Resp: 2524

Ion	Ratio	Lower	Upper
278	100		
139	31.0	20.9	31.3
279	28.4	19.8	29.8

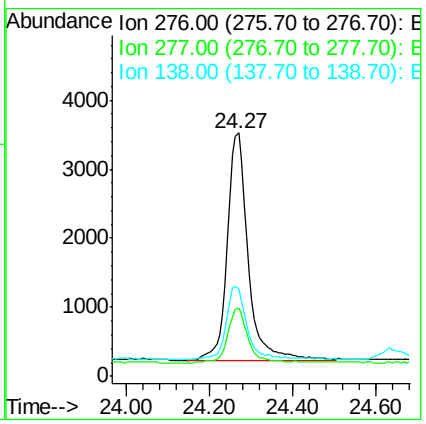




#27
Benzo(g,h,i)perylene
Concen: 0.13 ng
RT: 24.27 min Scan# 4260
Delta R.T. 0.01 min
Lab File: BE088115.D
Acq: 20 Oct 2014 19:33

Tgt Ion:276 Resp: 11618

Ion	Ratio	Lower	Upper
276	100		
277	27.9	19.2	28.8
138	35.7	26.6	40.0



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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