Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
Data File : BE088116.D
Acq On : 20 Oct 2014 20:09
Operator : TP/JJ
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICC0.2

Manual Integrations APPROVED
mohammad
10/22/2014 1:50:04 PM

Quant Time: Oct 21 02:00:32 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	53063	5.00	ng		0.00
3) Naphthalene-d8	8.70	136	199488	5.00	ng		0.00
7) Acenaphthene-d10	10.85	164	89655	5.00	ng		0.00
12) Phenanthrene-d10	12.97	188	161001	5.00	ng		0.00
16) Chrysene-d12	18.39	240	122418	5.00	ng		0.00
22) Perylene-d12	21.45	264	114594	5.00	ng		0.00
System Monitoring Compounds							
4) Nitrobenzene-d5	7.82	82	2812	0.23	ng		0.00
8) 2-Fluorobiphenyl	10.03	172	5105	0.21	ng		0.00
18) Terphenyl-d14	16.15	244	3948	0.21	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.41	88	1567	0.21	ng	#	85
5) Naphthalene	8.72	128	8694	0.21	ng		99
6) 2-Methylnaphthalene	9.57	142	5066	0.21	ng		99
9) Acenaphthylene	10.67	152	27777	0.22	ng		100
10) Acenaphthene	10.88	154	4531	0.22	ng		90
11) Fluorene	11.55	166	4597	0.22	ng		100
13) Phenanthrene	13.01	178	36916	0.25	ng	#	94
14) Anthracene	13.09	178	26237	0.20	ng		99
15) Fluoranthene	15.25	202	6539	0.21	ng		100
17) Pyrene	15.70	202	6934	0.22	ng		100
19) Benzo(a)anthracene	18.36	228	22663	0.24	ng		98
20) Chrysene	18.44	228	22043	0.19	ng		98
21) Indeno(1,2,3-cd)pyrene	23.63	276	23546m	0.25	ng		
23) Benzo(b)fluoranthene	20.69	252	5590	0.26	ng		96
24) Benzo(k)fluoranthene	20.74	252	6061	0.20	ng		98
25) Benzo(a)pyrene	21.32	252	4990	0.27	ng		97
26) Dibenzo(a,h)anthracene	23.73	278	4944	0.25	ng		96
27) Benzo(g,h,i)perylene	24.26	276	22417	0.24	ng		98

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

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Manual Integrations APPROVED
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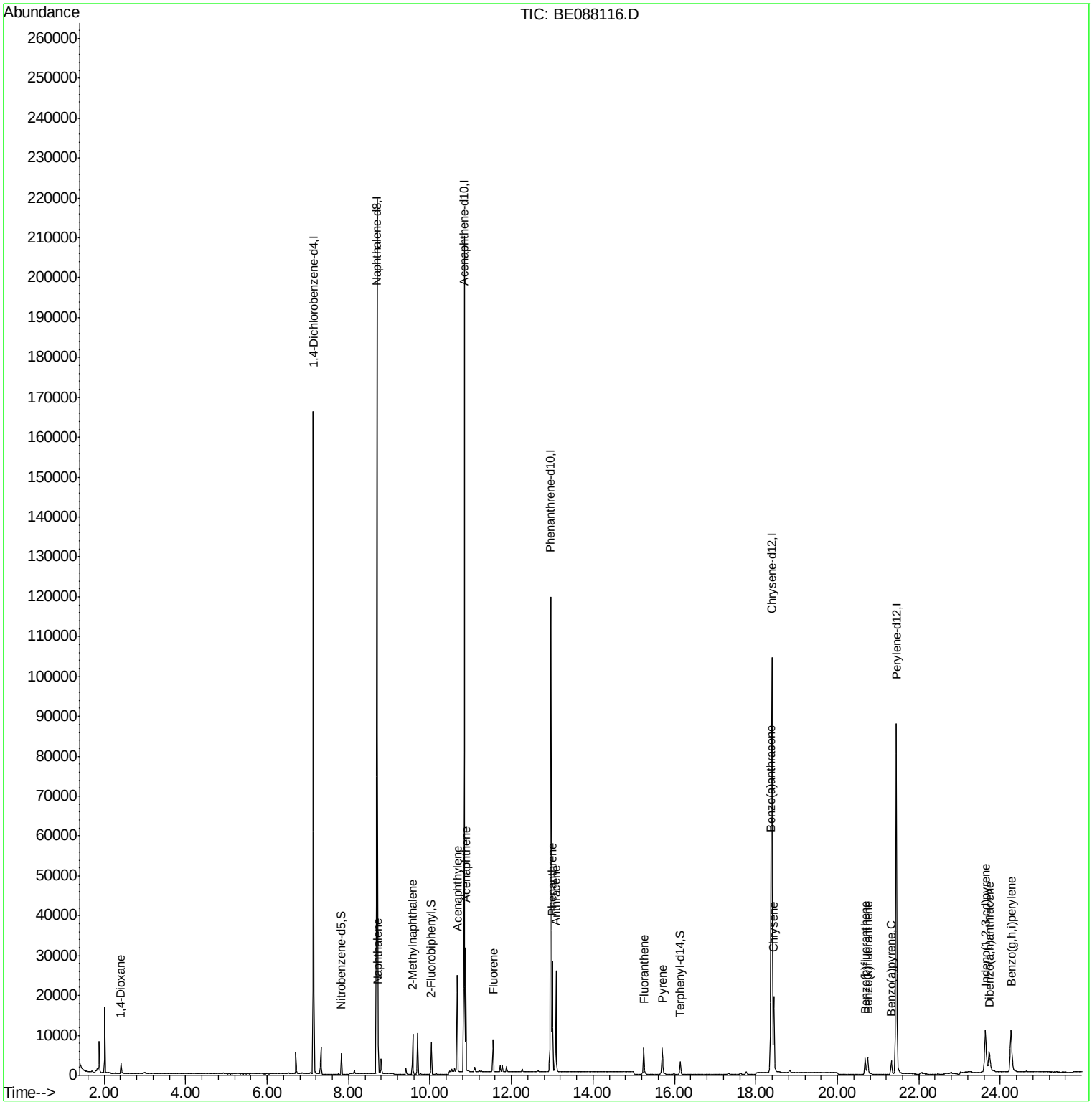
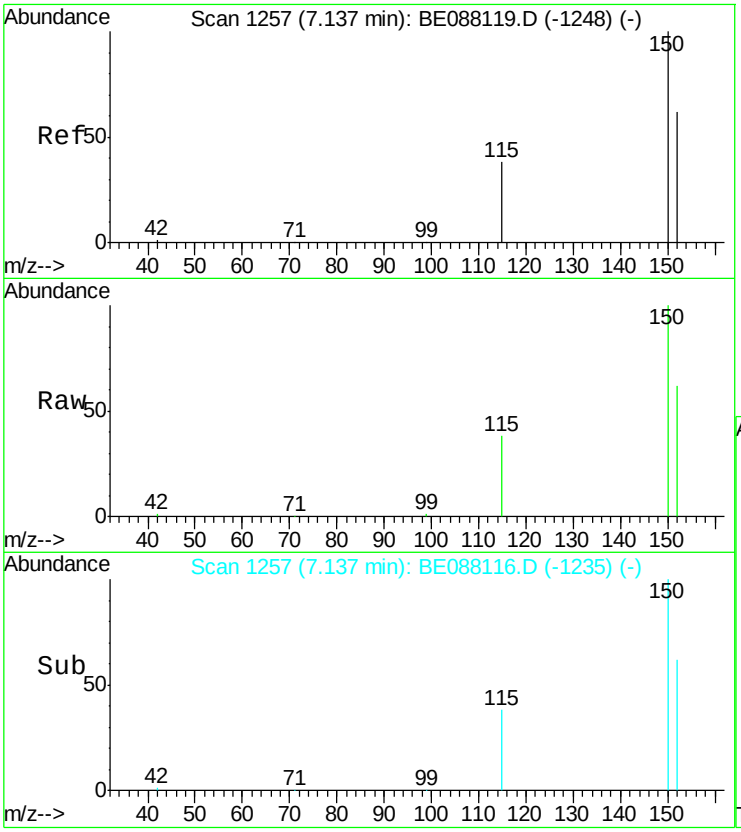
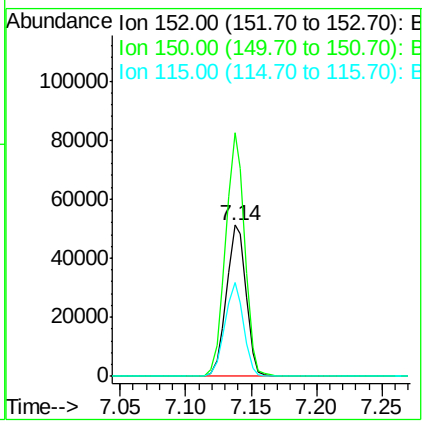




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.14 min Scan# 1257
Delta R.T. -0.00 min
Lab File: BE088116.D
Acq: 20 Oct 2014 20:09

Tgt Ion:152 Resp: 53063

Ion	Ratio	Lower	Upper
152	100		
150	161.0	129.2	193.8
115	61.7	49.3	73.9



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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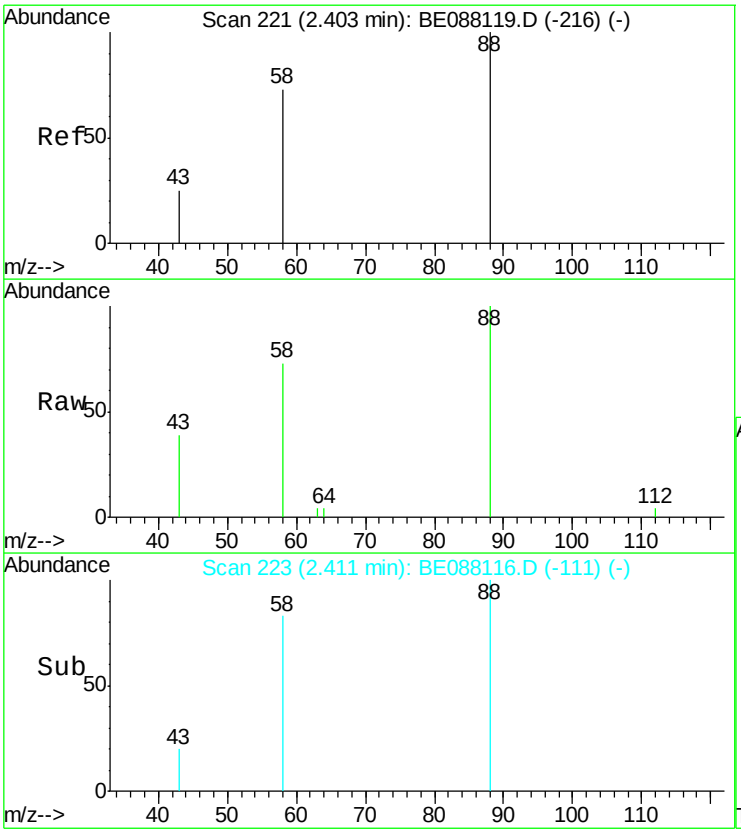
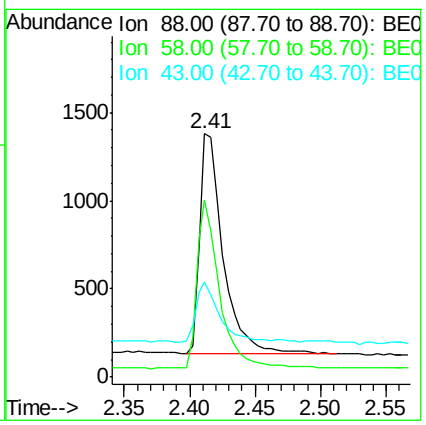
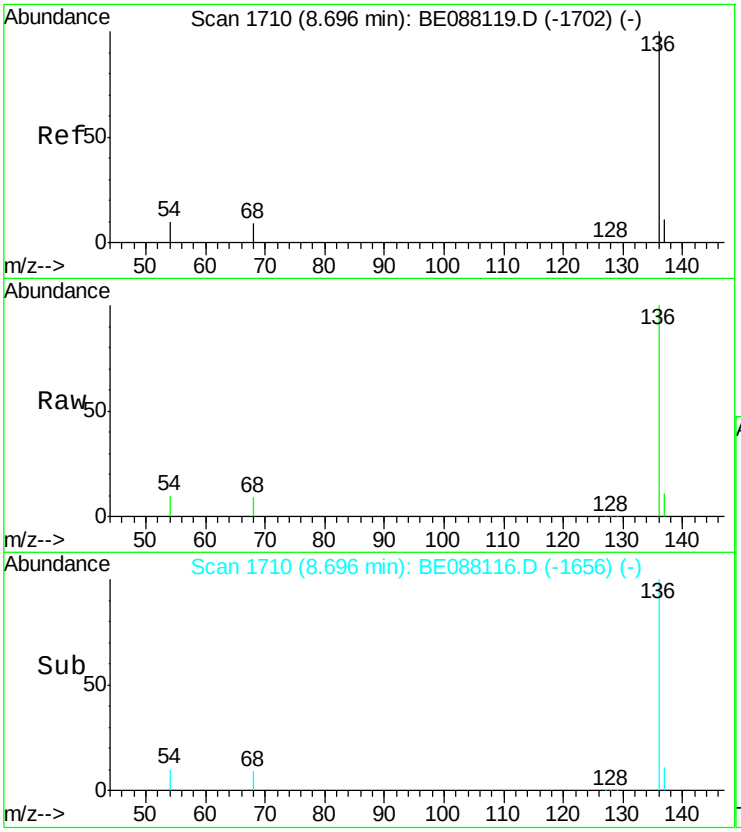


#2
1,4-Dioxane
Concen: 0.21 ng
RT: 2.41 min Scan# 223
Delta R.T. 0.01 min
Lab File: BE088116.D
Acq: 20 Oct 2014 20:09

Tgt Ion: 88 Resp: 1567

Ion	Ratio	Lower	Upper
88	100		
58	72.6	59.5	89.3
43	0.0	21.2	31.8#

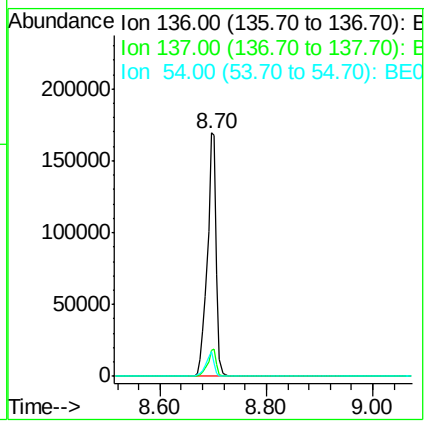




#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.70 min Scan# 1710
Delta R.T. 0.00 min
Lab File: BE088116.D
Acq: 20 Oct 2014 20:09

Tgt Ion:136 Resp: 199488

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	9.9	7.7	11.5



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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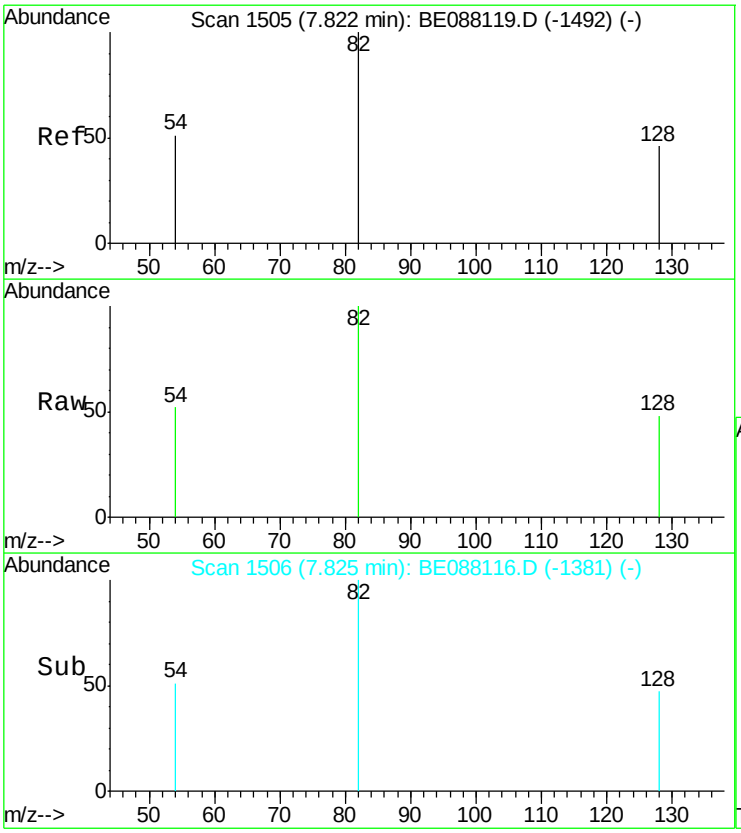
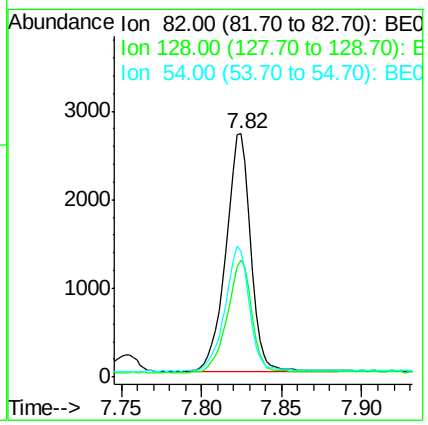
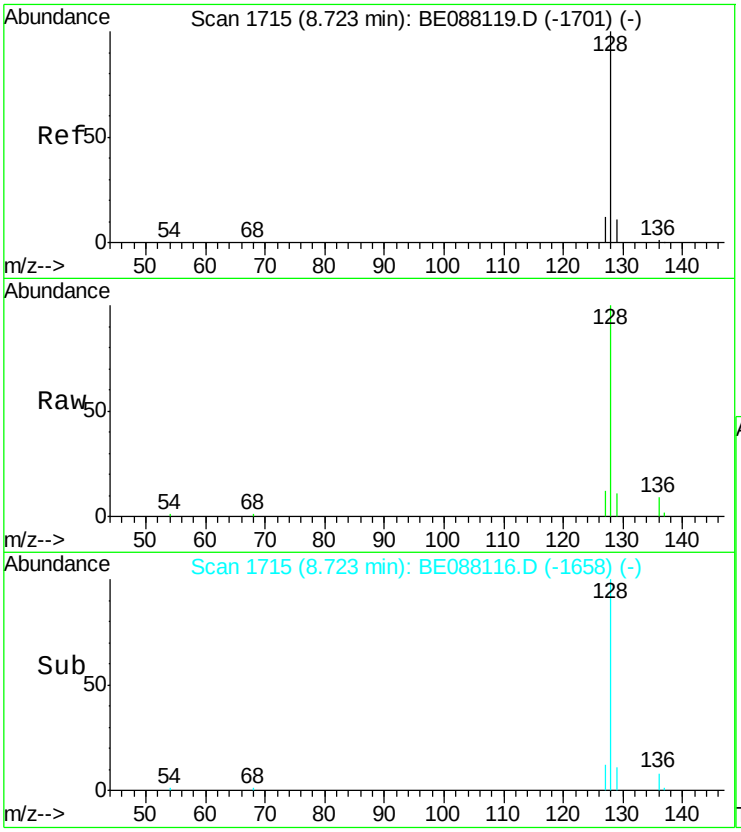


#4
Nitrobenzene-d5
Concen: 0.23 ng
RT: 7.82 min Scan# 1506
Delta R.T. 0.00 min
Lab File: BE088116.D
Acq: 20 Oct 2014 20:09

Tgt Ion: 82 Resp: 2812

Ion	Ratio	Lower	Upper
82	100		
128	48.1	37.1	55.7
54	51.9	41.1	61.7

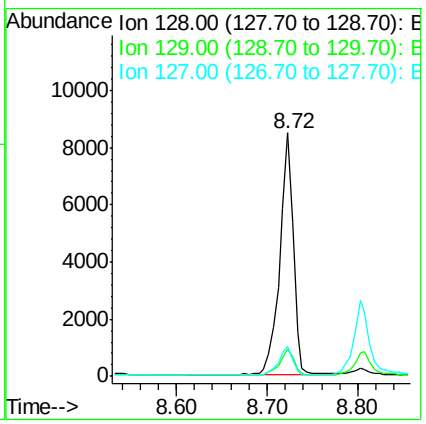




#5
Naphthalene
Concen: 0.21 ng
RT: 8.72 min Scan# 1715
Delta R.T. 0.00 min
Lab File: BE088116.D
Acq: 20 Oct 2014 20:09

Tgt Ion:128 Resp: 8694

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.9	13.3
127	12.5	9.7	14.5



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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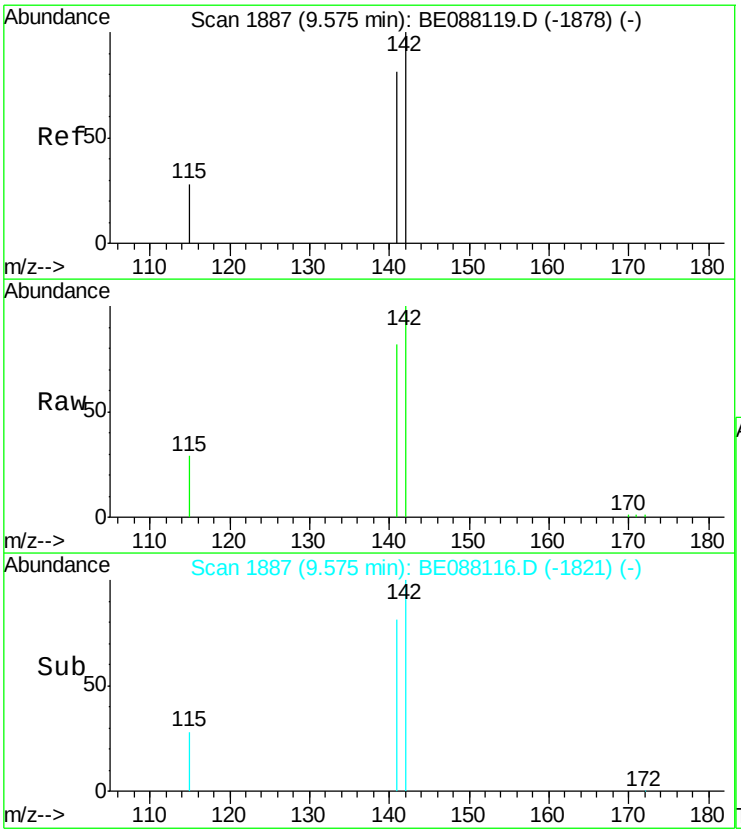
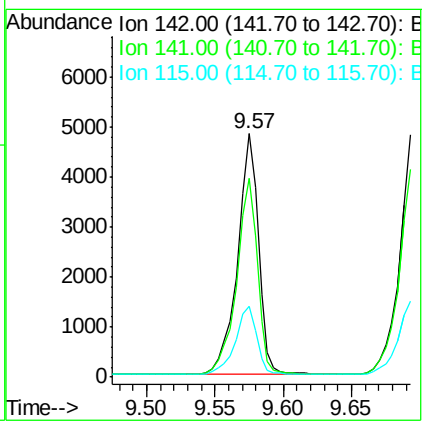
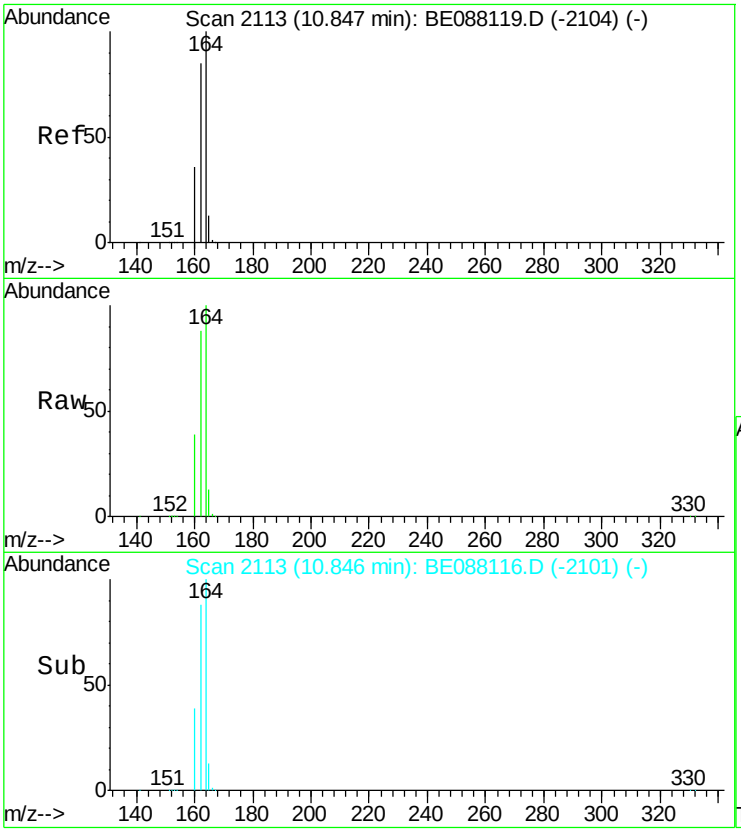


#6
2-Methylnaphthalene
Concen: 0.21 ng
RT: 9.57 min Scan# 1887
Delta R.T. -0.00 min
Lab File: BE088116.D
Acq: 20 Oct 2014 20:09

Tgt Ion:142 Resp: 5066

Ion	Ratio	Lower	Upper
142	100		
141	81.5	64.6	97.0
115	29.2	22.6	34.0

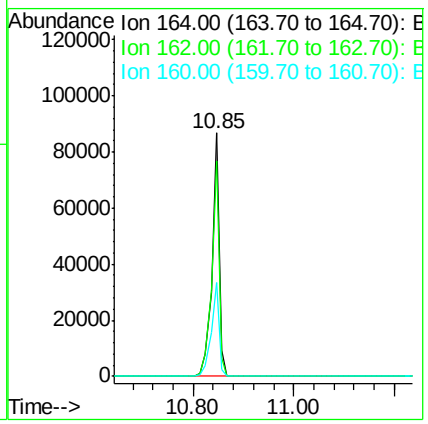




#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.85 min Scan# 2113
Delta R.T. -0.00 min
Lab File: BE088116.D
Acq: 20 Oct 2014 20:09

Tgt Ion:164 Resp: 89655

Ion	Ratio	Lower	Upper
164	100		
162	88.4	68.3	102.5
160	38.7	28.7	43.1



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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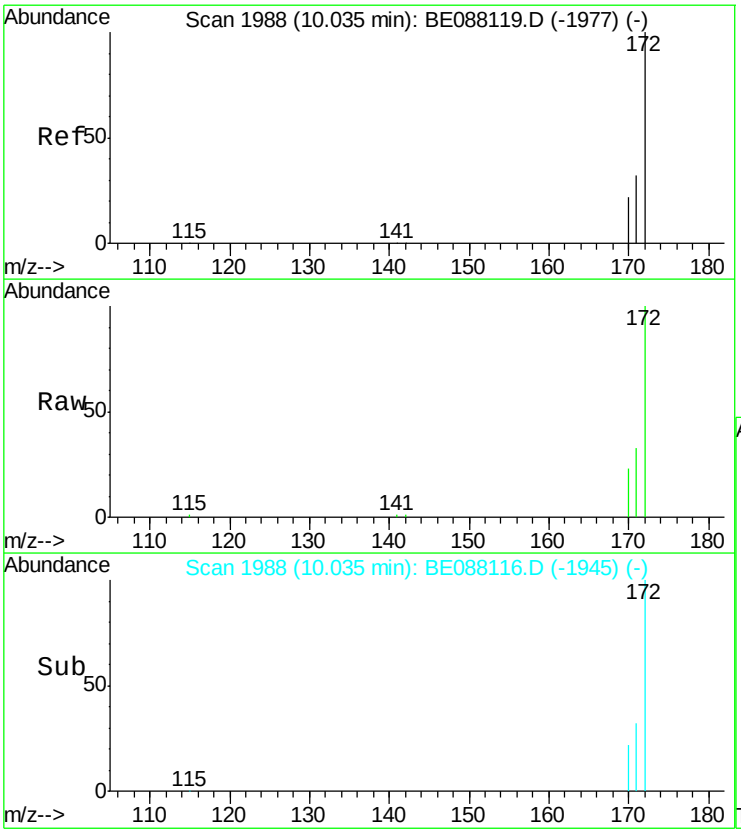
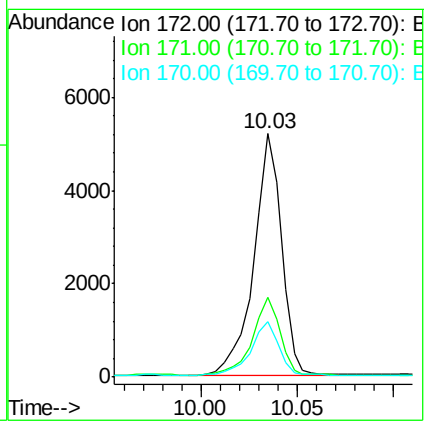
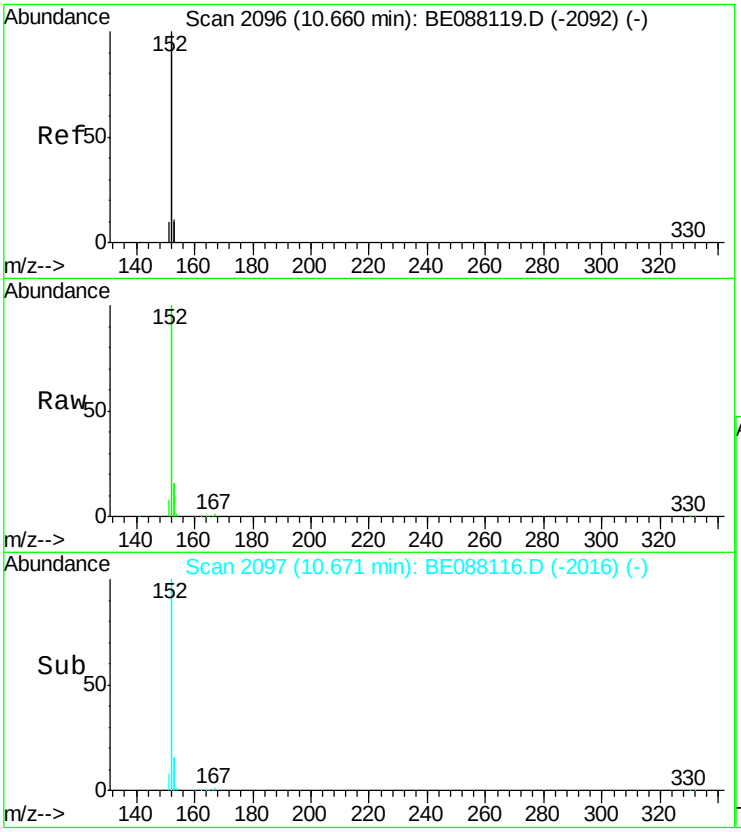


#8
2-Fluorobiphenyl
Concen: 0.21 ng
RT: 10.03 min Scan# 1988
Delta R.T. -0.00 min
Lab File: BE088116.D
Acq: 20 Oct 2014 20:09

Tgt Ion:172 Resp: 5105

Ion	Ratio	Lower	Upper
172	100		
171	32.5	25.4	38.2
170	22.6	17.4	26.2

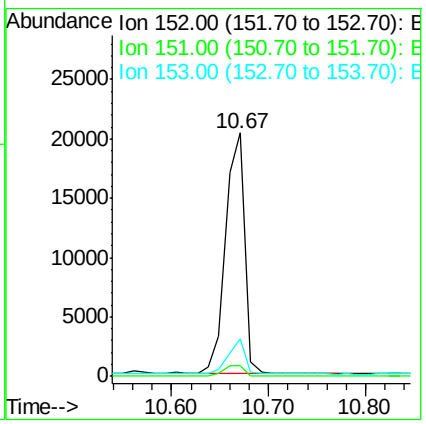




#9
Acenaphthylene
Concen: 0.22 ng
RT: 10.67 min Scan# 2097
Delta R.T. 0.01 min
Lab File: BE088116.D
Acq: 20 Oct 2014 20:09

Tgt Ion:152 Resp: 27777

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



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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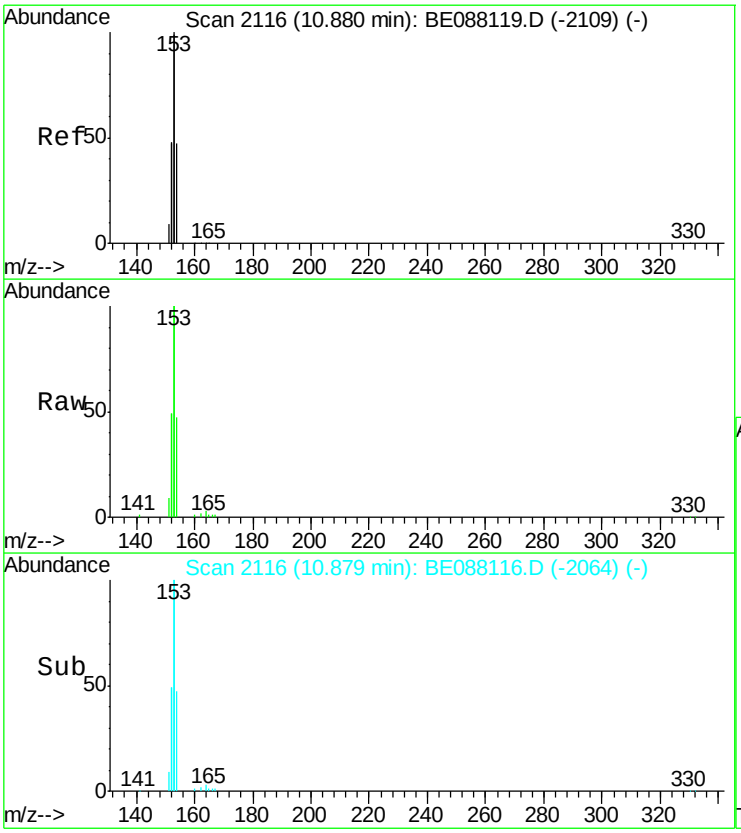
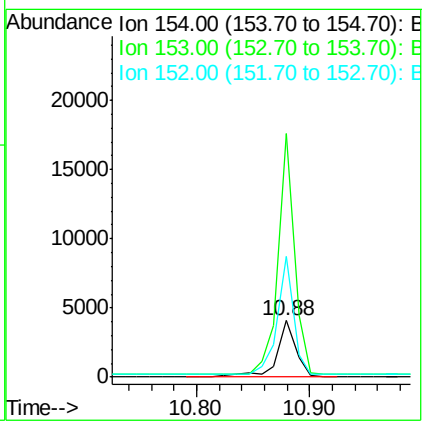
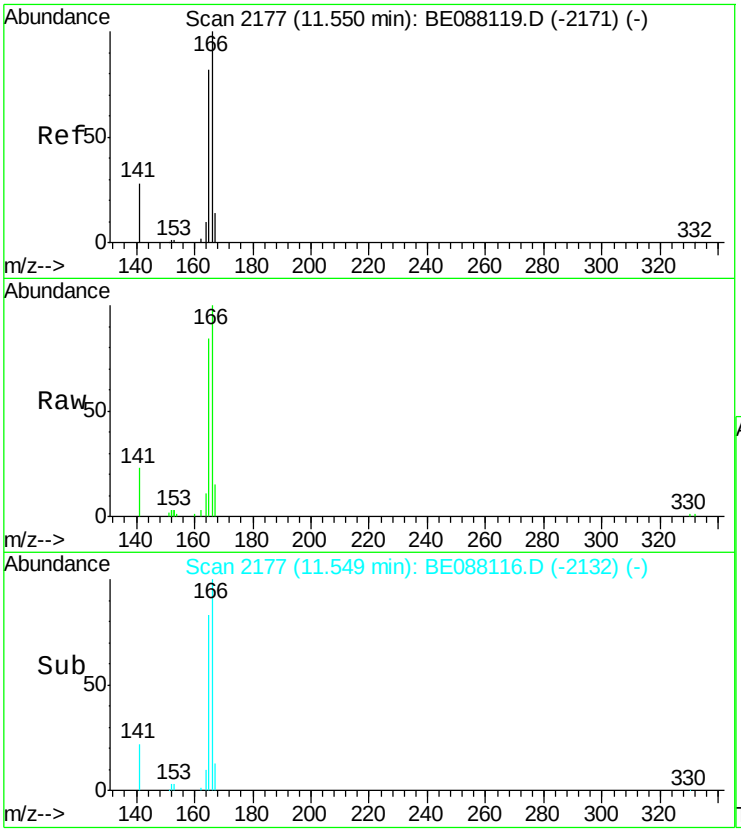


#10
Acenaphthene
Concen: 0.22 ng
RT: 10.88 min Scan# 2116
Delta R.T. -0.00 min
Lab File: BE088116.D
Acq: 20 Oct 2014 20:09

Tgt Ion:154 Resp: 4531

Ion	Ratio	Lower	Upper
154	100		
153	384.0	327.8	491.6
152	185.4	157.6	236.4





#11
Fluorene
Concen: 0.22 ng
RT: 11.55 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BE088116.D
Acq: 20 Oct 2014 20:09

Tgt Ion:166 Resp: 4597

Ion	Ratio	Lower	Upper
166	100		
165	89.5	71.4	107.2
167	13.7	10.6	16.0

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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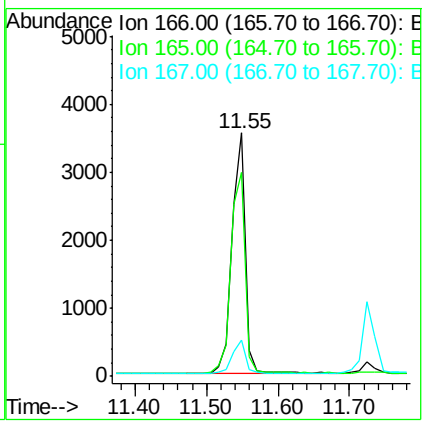
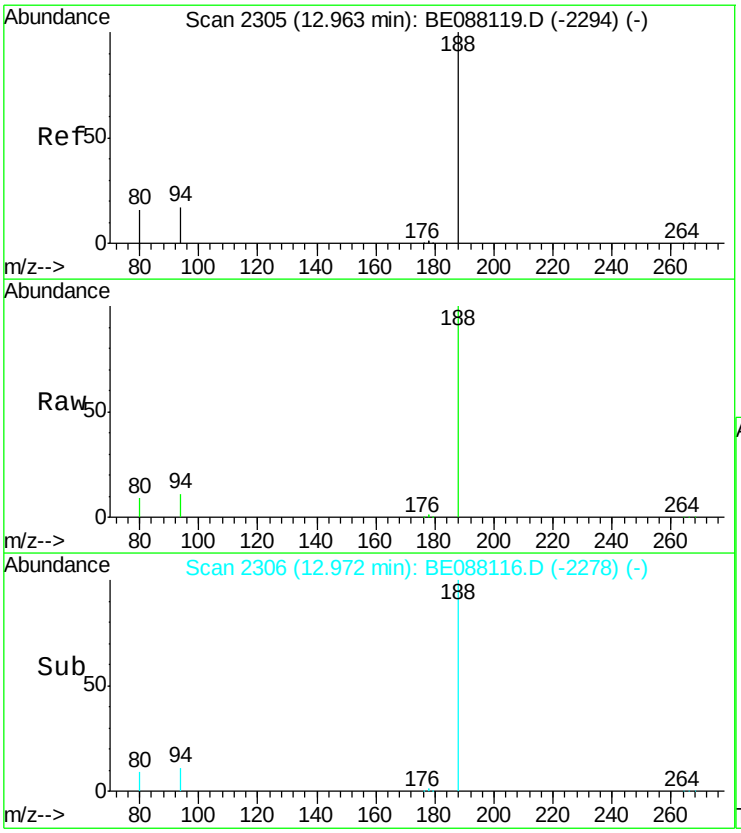
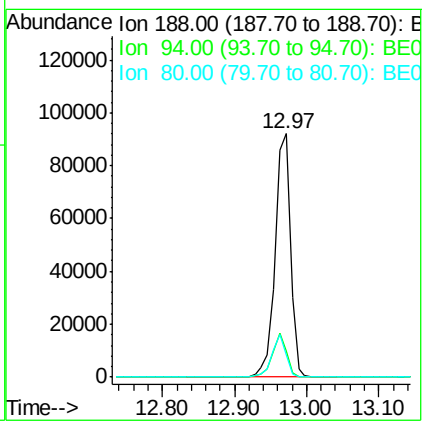


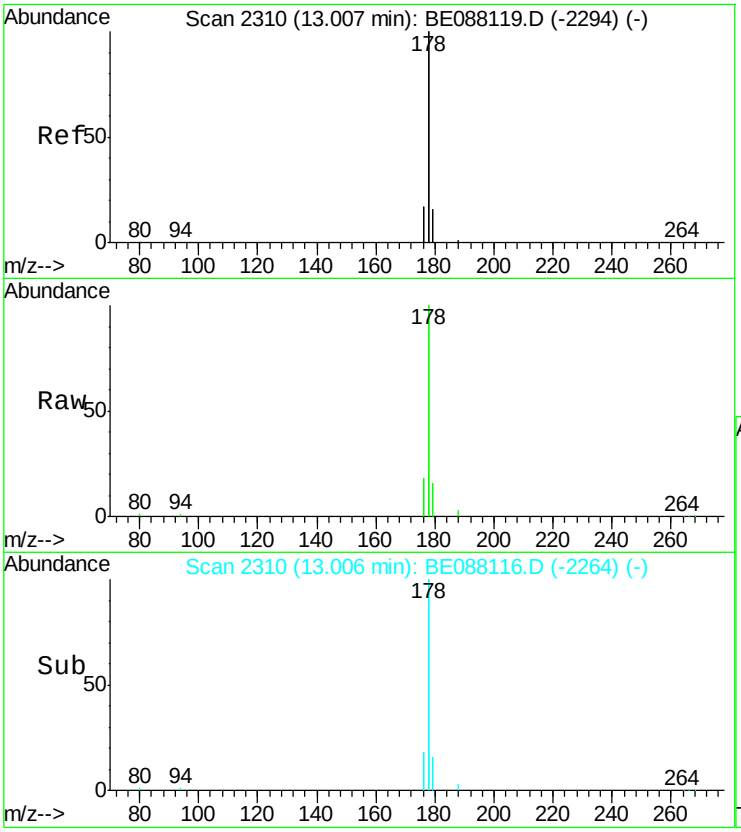


#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.97 min Scan# 2306
Delta R.T. 0.01 min
Lab File: BE088116.D
Acq: 20 Oct 2014 20:09

Tgt Ion:188 Resp: 161001

Ion	Ratio	Lower	Upper
188	100		
94	10.5	13.9	20.9#
80	9.1	12.9	19.3#





#13
Phenanthrene
Concen: 0.25 ng
RT: 13.01 min Scan# 2310
Delta R.T. -0.00 min
Lab File: BE088116.D
Acq: 20 Oct 2014 20:09

Tgt Ion:178 Resp: 36916

Ion	Ratio	Lower	Upper
178	100		
176	16.1	12.5	18.7
179	21.5	13.5	20.3#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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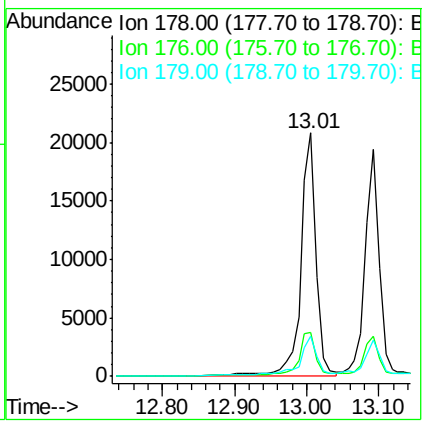
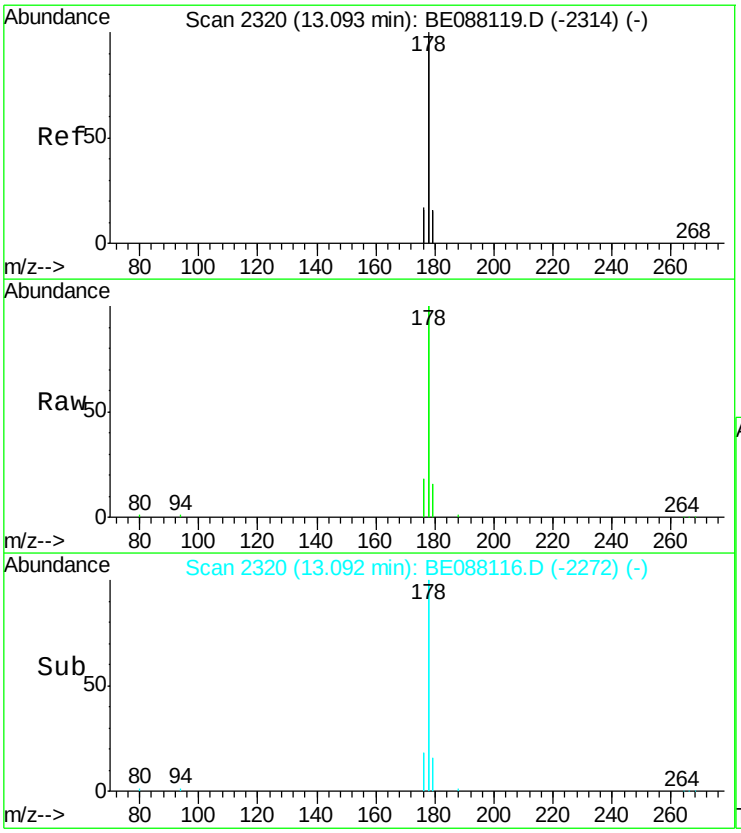
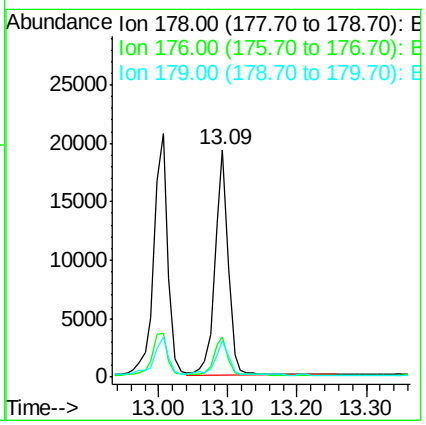


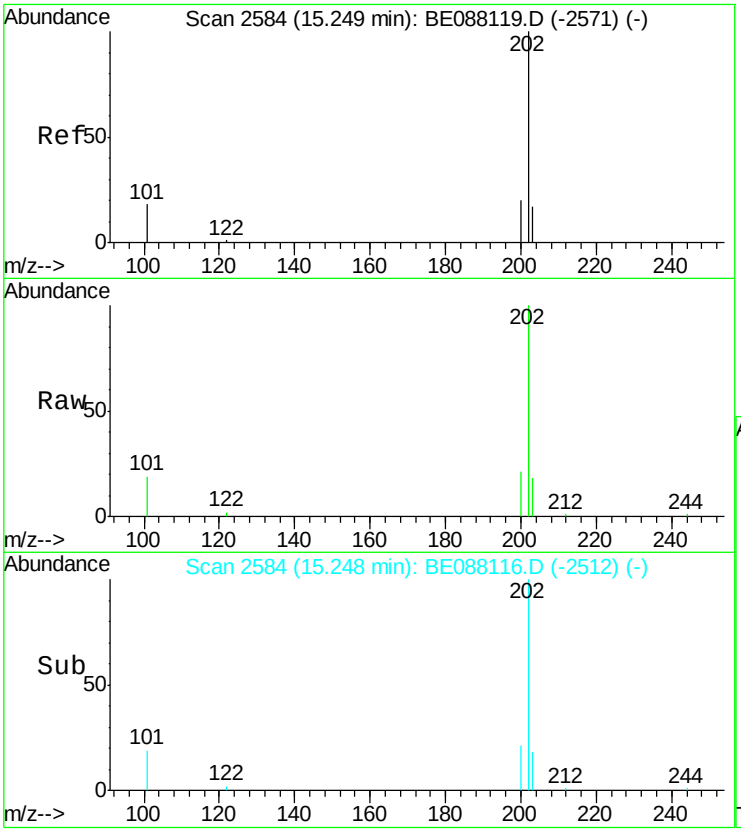


#14
Anthracene
Concen: 0.20 ng
RT: 13.09 min Scan# 2320
Delta R.T. -0.00 min
Lab File: BE088116.D
Acq: 20 Oct 2014 20:09

Tgt Ion:178 Resp: 26237

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	21.8
179	15.8	12.5	18.7

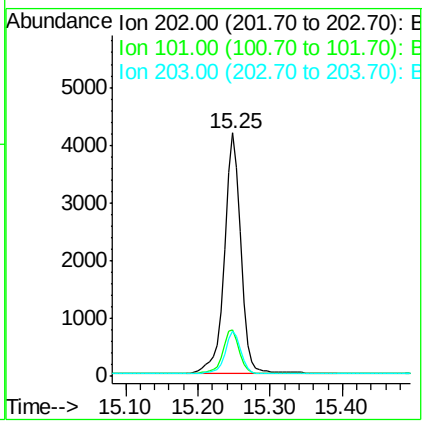




#15
Fluoranthene
Concen: 0.21 ng
RT: 15.25 min Scan# 2584
Delta R.T. -0.00 min
Lab File: BE088116.D
Acq: 20 Oct 2014 20:09

Tgt Ion:202 Resp: 6539

Ion	Ratio	Lower	Upper
202	100		
101	18.3	14.8	22.2
203	16.9	13.5	20.3



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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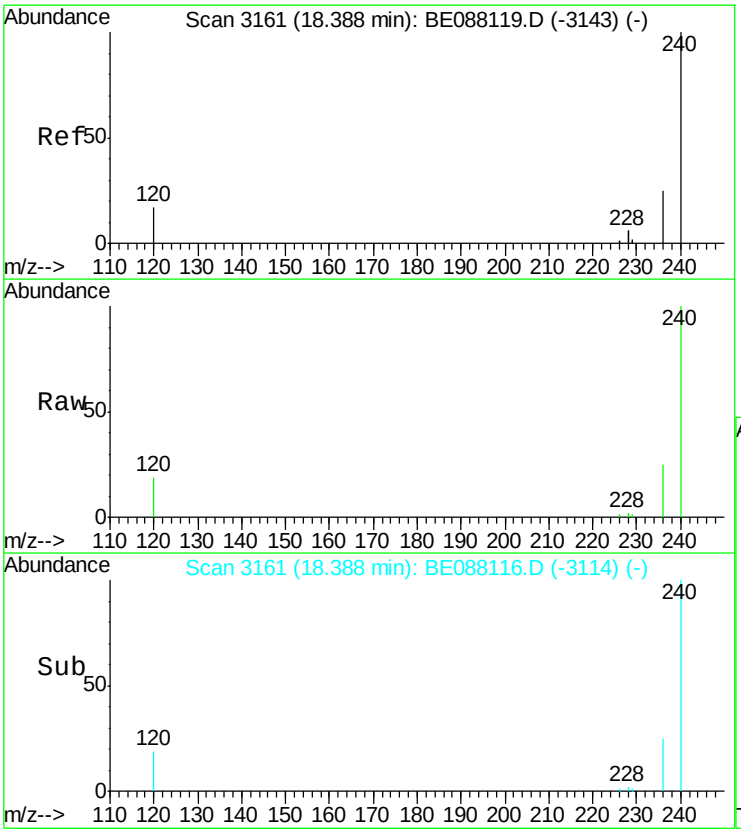
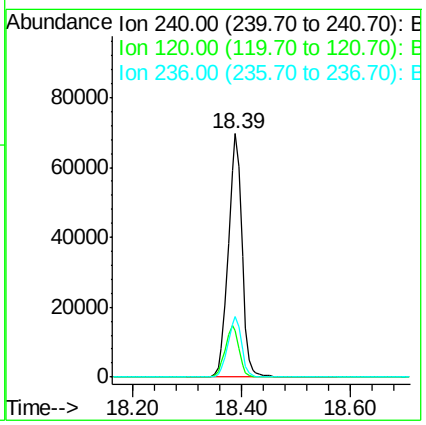
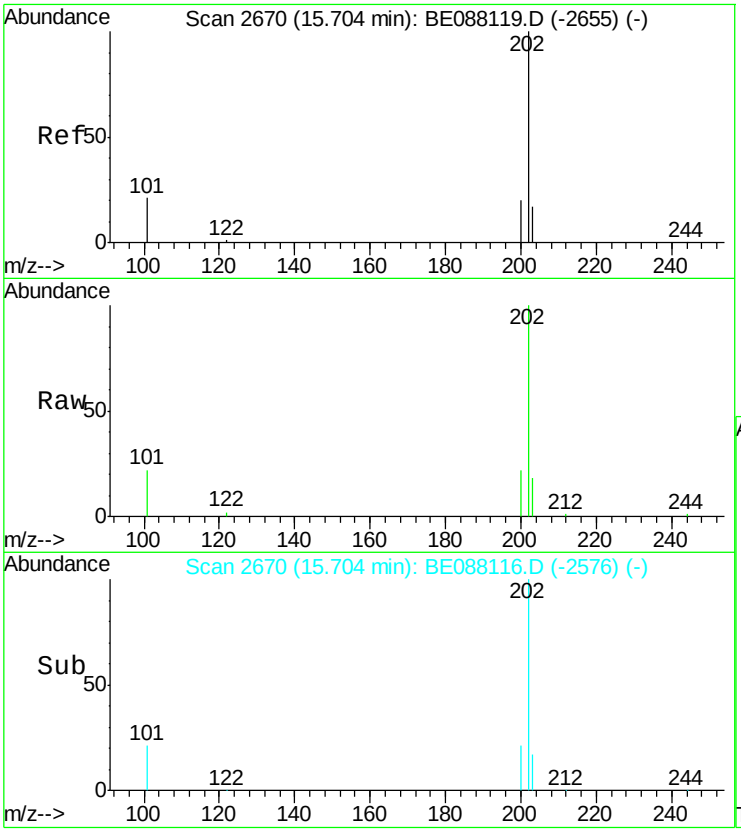


#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.39 min Scan# 3161
Delta R.T. 0.00 min
Lab File: BE088116.D
Acq: 20 Oct 2014 20:09

Tgt Ion:240 Resp: 122418

Ion	Ratio	Lower	Upper
240	100		
120	19.1	13.9	20.9
236	25.0	19.9	29.9





#17
Pyrene
Concen: 0.22 ng
RT: 15.70 min Scan# 2670
Delta R.T. -0.00 min
Lab File: BE088116.D
Acq: 20 Oct 2014 20:09

Tgt Ion:202 Resp: 6934

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.1	24.1
203	17.2	13.9	20.9

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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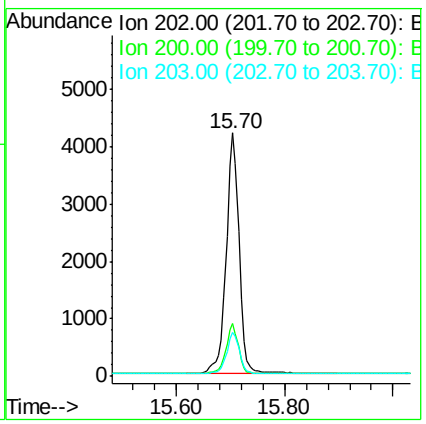
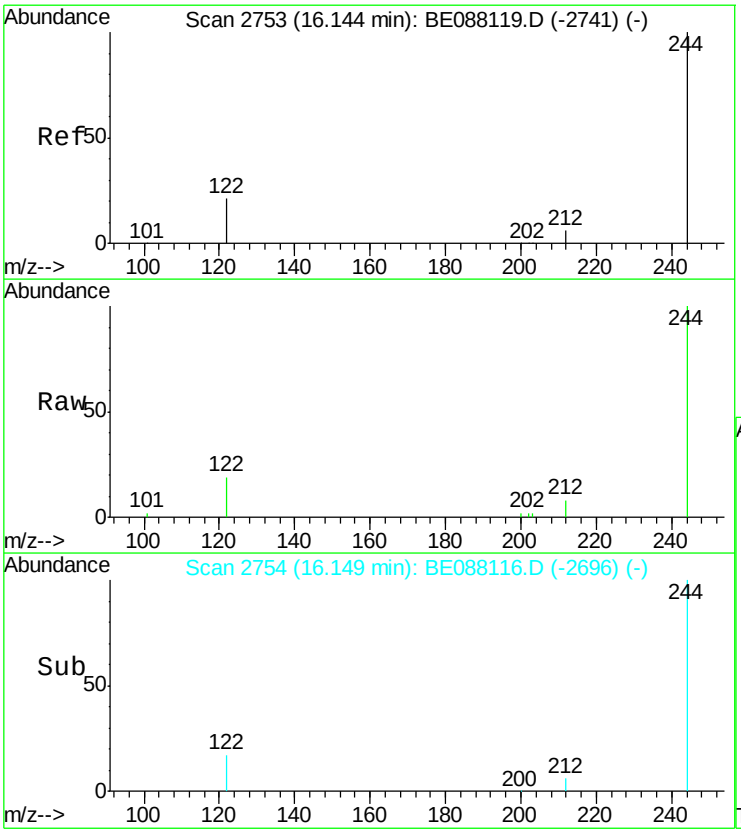
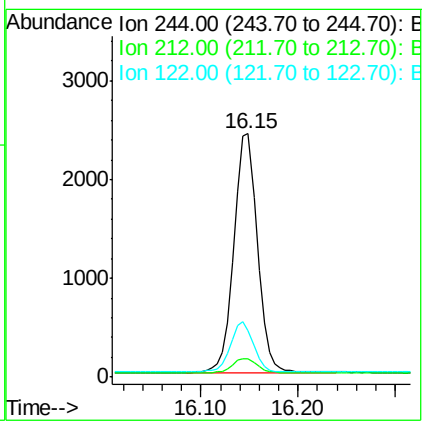


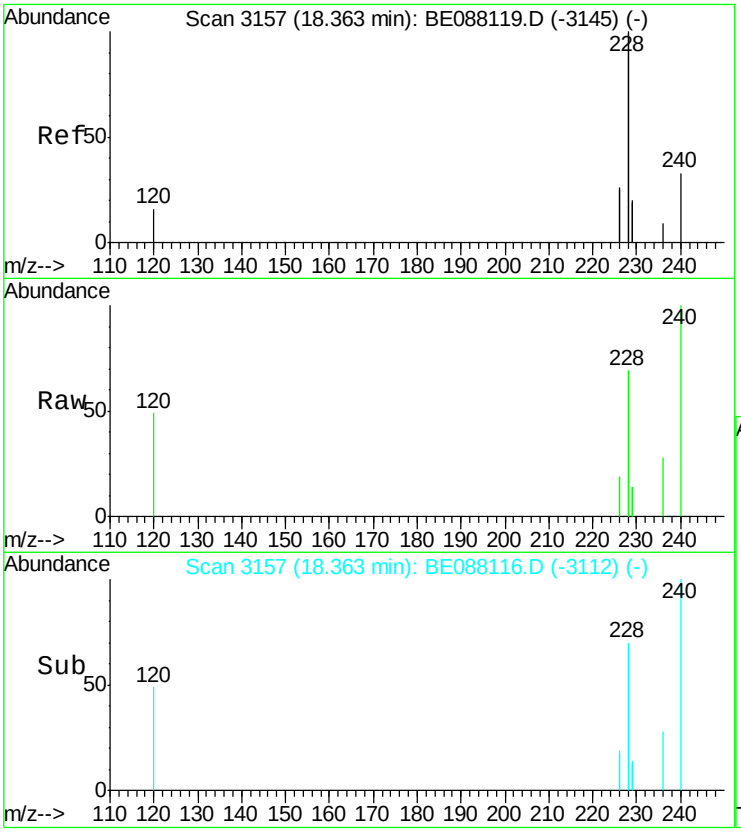


#18
Terphenyl-d14
Concen: 0.21 ng
RT: 16.15 min Scan# 2754
Delta R.T. 0.00 min
Lab File: BE088116.D
Acq: 20 Oct 2014 20:09

Tgt Ion:244 Resp: 3948

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.4	8.0
122	19.1	17.5	26.3

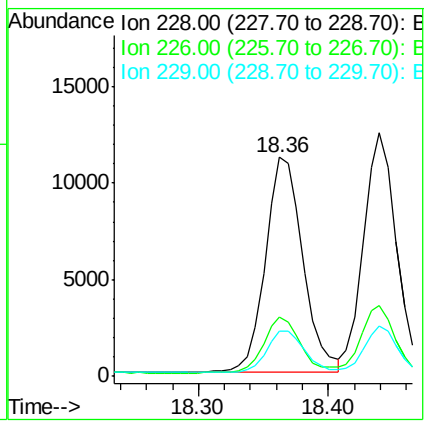




#19
Benzo(a)anthracene
Concen: 0.24 ng
RT: 18.36 min Scan# 3157
Delta R.T. 0.00 min
Lab File: BE088116.D
Acq: 20 Oct 2014 20:09

Tgt Ion:228 Resp: 22663

Ion	Ratio	Lower	Upper
228	100		
226	27.0	20.8	31.2
229	20.5	15.6	23.4



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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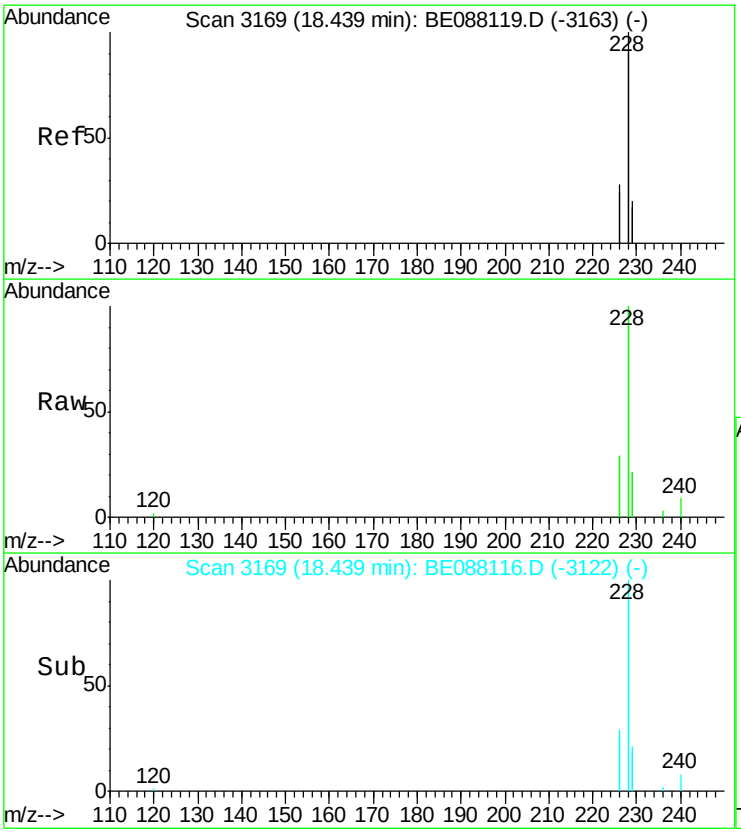
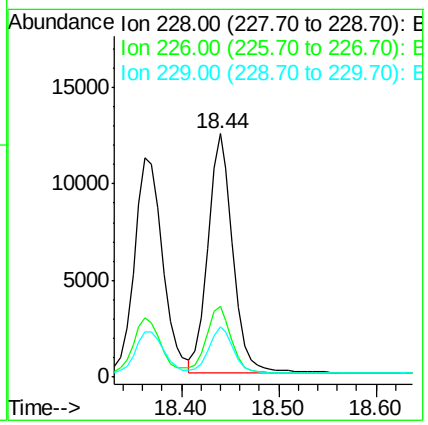
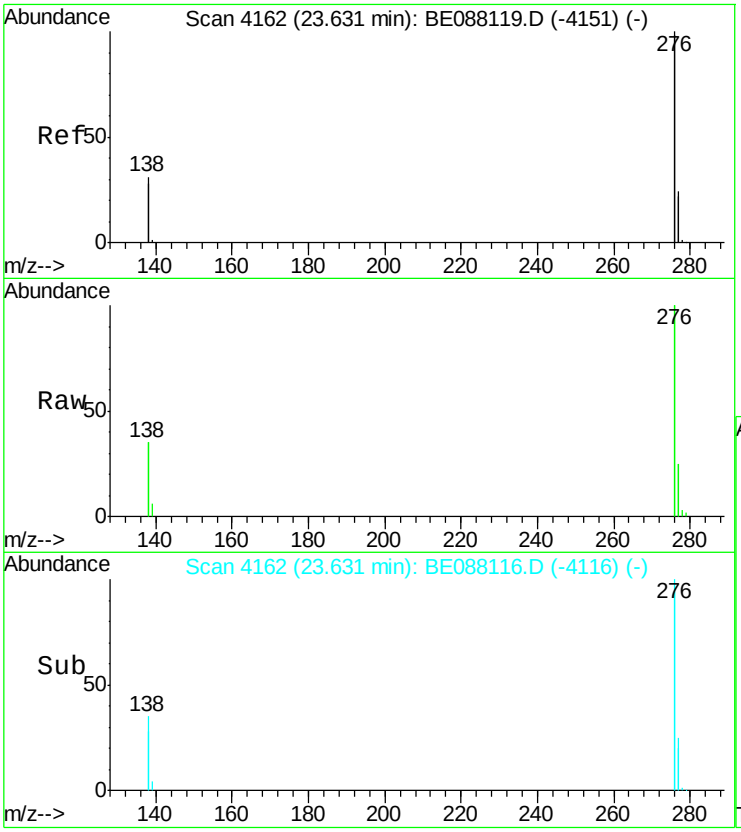


#20
Chrysene
Concen: 0.19 ng
RT: 18.44 min Scan# 3169
Delta R.T. 0.00 min
Lab File: BE088116.D
Acq: 20 Oct 2014 20:09

Tgt Ion:228 Resp: 22043

Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.7	34.1
229	20.7	15.8	23.6





#21
Indeno(1,2,3-cd)pyrene
Concen: 0.25 ng m
RT: 23.63 min Scan# 4162
Delta R.T. -0.00 min
Lab File: BE088116.D
Acq: 20 Oct 2014 20:09

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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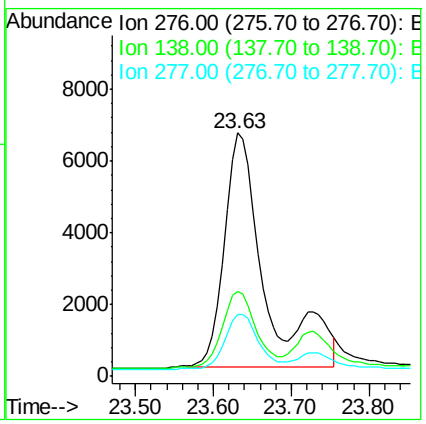
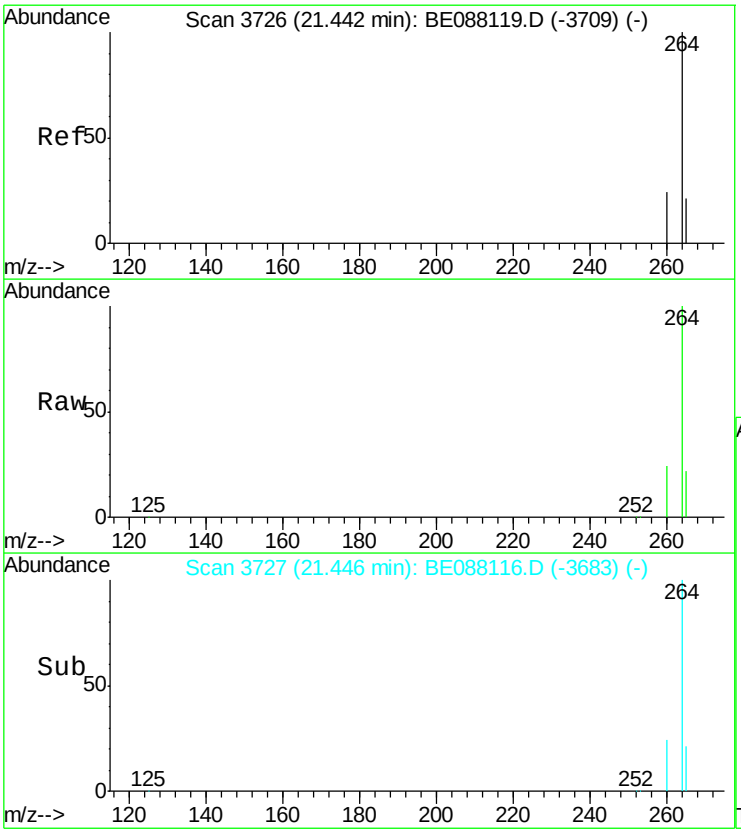
Tgt Ion:276 Resp: 23546

Ion	Ratio	Lower	Upper
276	100		
138	27.2	18.5	27.7
277	19.6	14.6	21.8

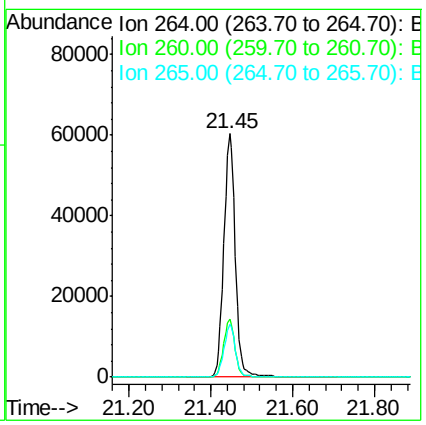


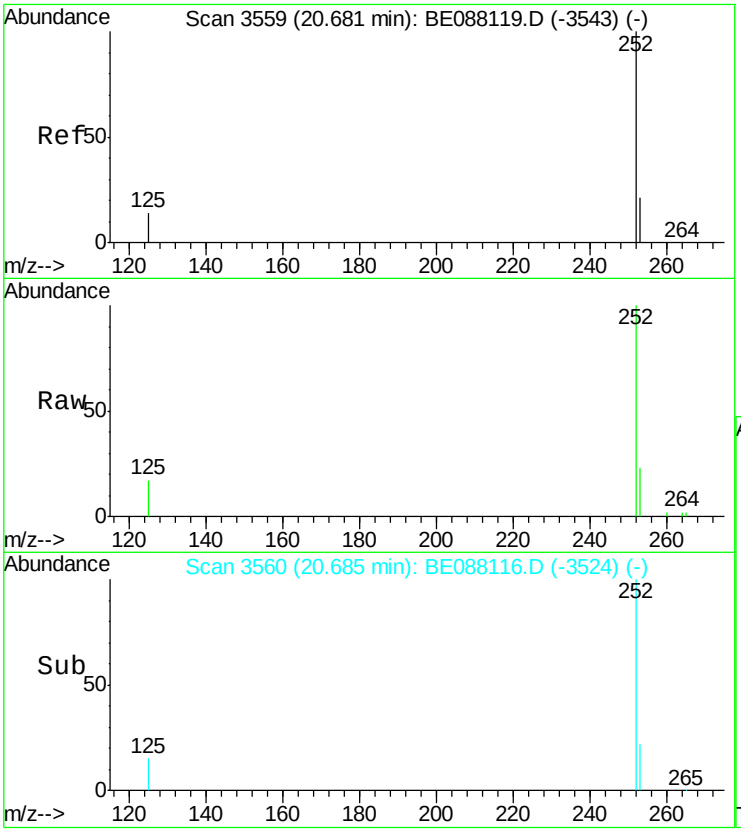


#22
Perylene-d12
Concen: 5.00 ng
RT: 21.45 min Scan# 3727
Delta R.T. 0.00 min
Lab File: BE088116.D
Acq: 20 Oct 2014 20:09

Tgt Ion:264 Resp: 114594

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	21.5	17.2	25.8





#23
Benzo(b)fluoranthene
Concen: 0.26 ng
RT: 20.69 min Scan# 3560
Delta R.T. 0.00 min
Lab File: BE088116.D
Acq: 20 Oct 2014 20:09

Tgt Ion:252 Resp: 5590

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	17.0	11.8	17.8

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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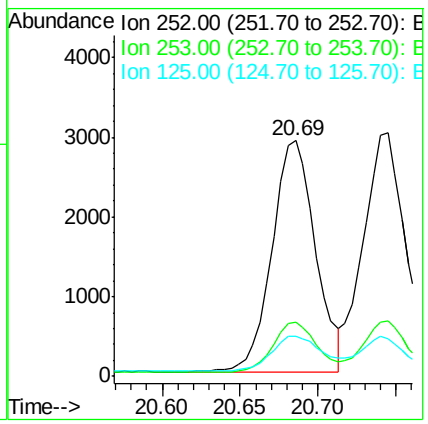
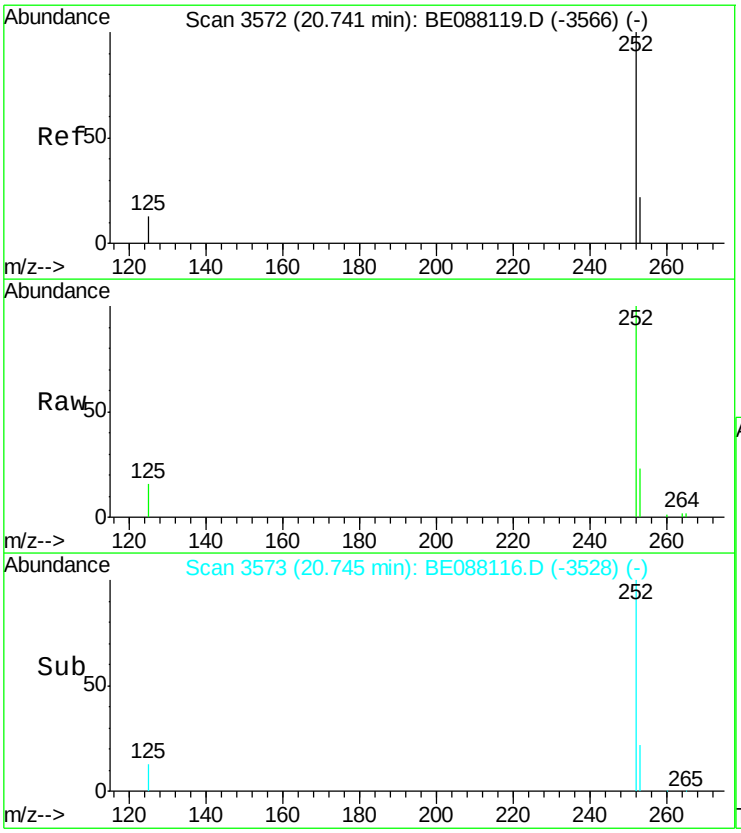
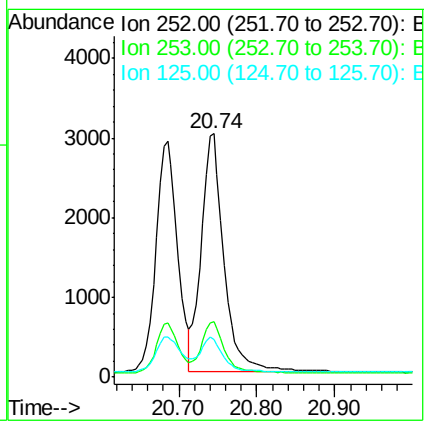


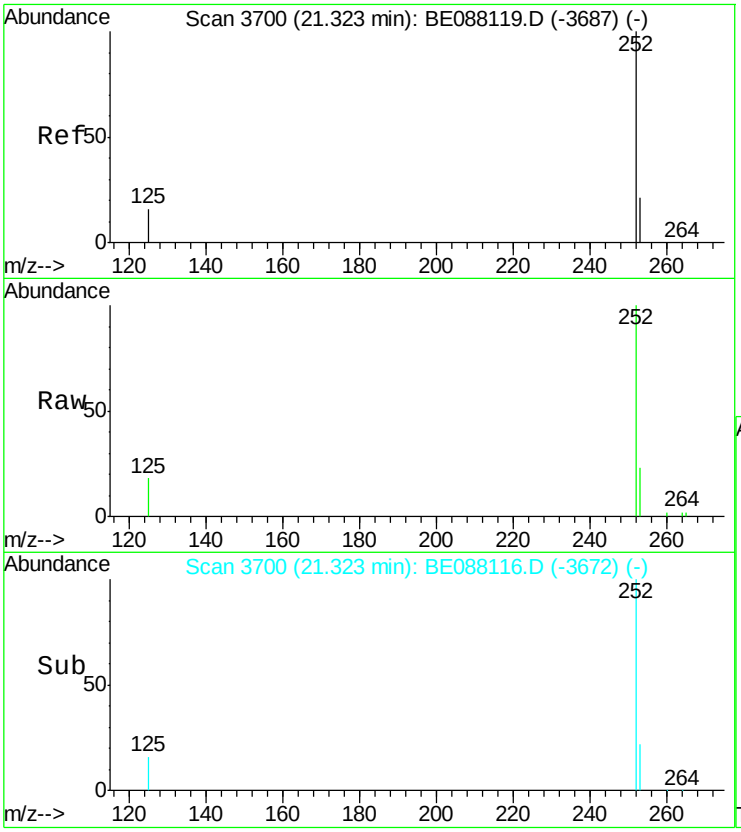


#24
Benzo(k)fluoranthene
Concen: 0.20 ng
RT: 20.74 min Scan# 3573
Delta R.T. 0.00 min
Lab File: BE088116.D
Acq: 20 Oct 2014 20:09

Tgt Ion:252 Resp: 6061

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	15.6	11.5	17.3

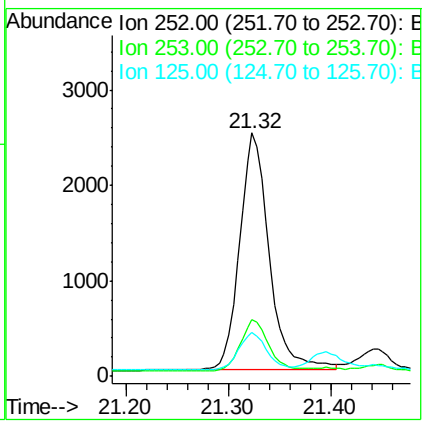




#25
Benzo(a)pyrene
Concen: 0.27 ng
RT: 21.32 min Scan# 3700
Delta R.T. -0.00 min
Lab File: BE088116.D
Acq: 20 Oct 2014 20:09

Tgt Ion:252 Resp: 4990

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	18.0	13.0	19.6



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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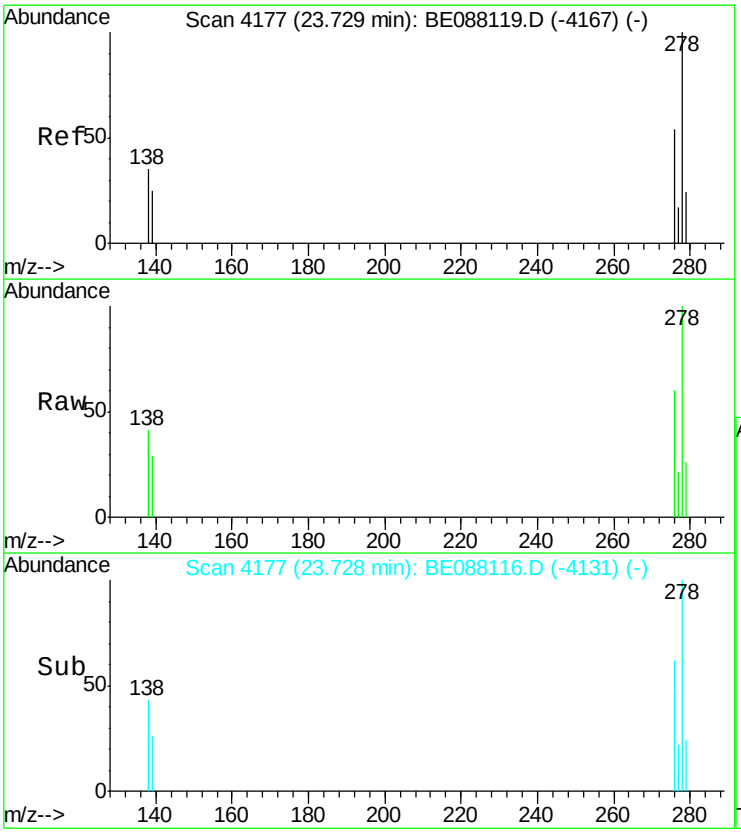
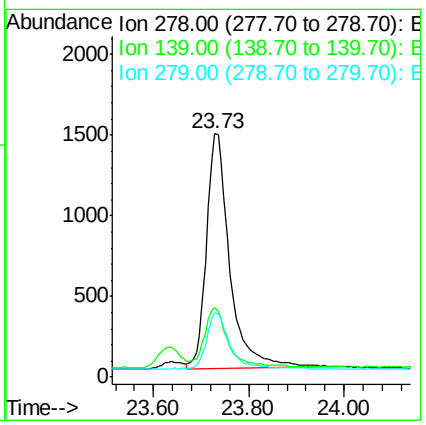
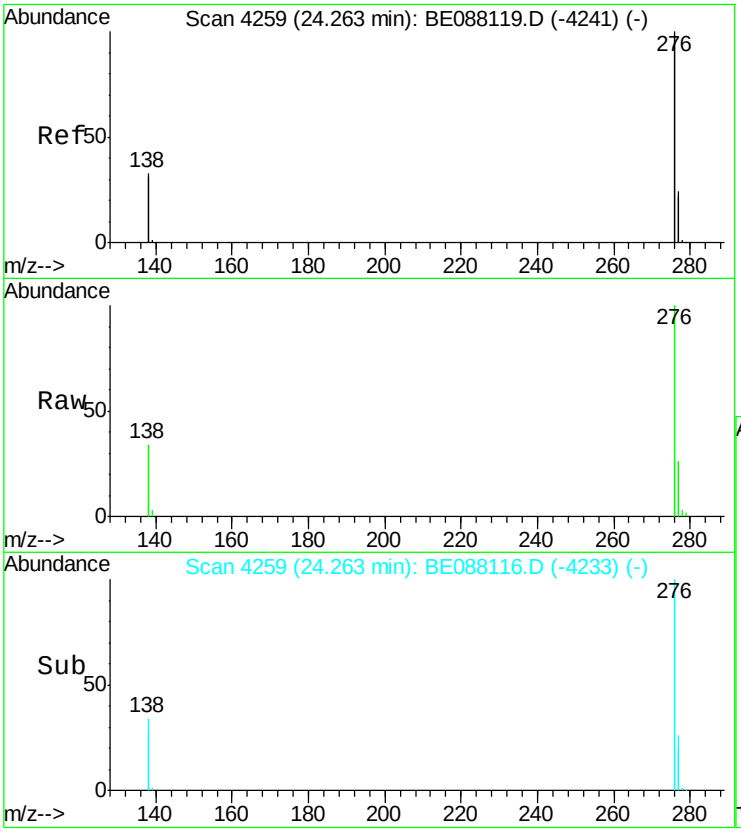


#26
Dibenzo(a,h)anthracene
Concen: 0.25 ng
RT: 23.73 min Scan# 4177
Delta R.T. -0.00 min
Lab File: BE088116.D
Acq: 20 Oct 2014 20:09

Tgt Ion:278 Resp: 4944

Ion	Ratio	Lower	Upper
278	100		
139	28.6	20.9	31.3
279	26.3	19.8	29.8

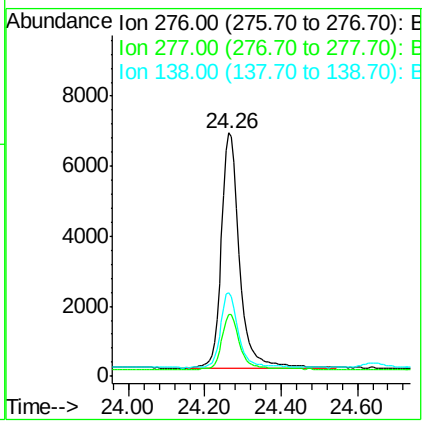




#27
Benzo(g,h,i)perylene
Concen: 0.24 ng
RT: 24.26 min Scan# 4259
Delta R.T. -0.00 min
Lab File: BE088116.D
Acq: 20 Oct 2014 20:09

Tgt Ion:276 Resp: 22417

Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.2	28.8
138	34.2	26.6	40.0



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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