Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
Data File : BE088214.D
Acq On : 24 Oct 2014 16:01
Operator : TP/JJ
Sample : SSTDICC010
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
mohammad
10/28/2014 12:22:23 PM

Quant Time: Oct 27 12:57:12 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102414.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 27 12:38:23 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.12	152	53952	5.00	ng	0.00
3) Naphthalene-d8	8.68	136	201661	5.00	ng	0.00
7) Acenaphthene-d10	10.83	164	85854	5.00	ng	0.00
12) Phenanthrene-d10	12.94	188	157072	5.00	ng	0.00
16) Chrysene-d12	18.35	240	94162	5.00	ng	0.00
22) Perylene-d12	21.40	264	91006	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.80	82	151411	12.23	ng	0.00
8) 2-Fluorobiphenyl	10.02	172	231241	9.66	ng	0.00
18) Terphenyl-d14	16.11	244	164491	10.67	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.39	88	78155	10.32	ng	98
5) Naphthalene	8.70	128	386745	9.42	ng	99
6) 2-Methylnaphthalene	9.55	142	236067	9.55	ng	96
9) Acenaphthylene	10.65	152	1263624	9.85	ng	100
10) Acenaphthene	10.86	154	181544	8.94	ng	99
11) Fluorene	11.52	166	197518	9.54	ng	99
13) Phenanthrene	12.97	178	1368277	10.55	ng	97
14) Anthracene	13.06	178	1123048	10.04	ng	100
15) Fluoranthene	15.22	202	252327	10.98	ng	99
17) Pyrene	15.67	202	265430	10.27	ng	99
19) Benzo(a)anthracene	18.33	228	840157	11.33	ng	100
20) Chrysene	18.41	228	825665	9.81	ng	99
21) Indeno(1,2,3-cd)pyrene	23.59	276	914056m	12.30	ng	
23) Benzo(b)fluoranthene	20.65	252	196041	13.18	ng	98
24) Benzo(k)fluoranthene	20.71	252	231049	9.83	ng	99
25) Benzo(a)pyrene	21.29	252	194217	13.21	ng	98
26) Dibenzo(a,h)anthracene	23.68	278	188282	13.54	ng	97
27) Benzo(g,h,i)perylene	24.22	276	860154	11.78	ng	98

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

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Misc :
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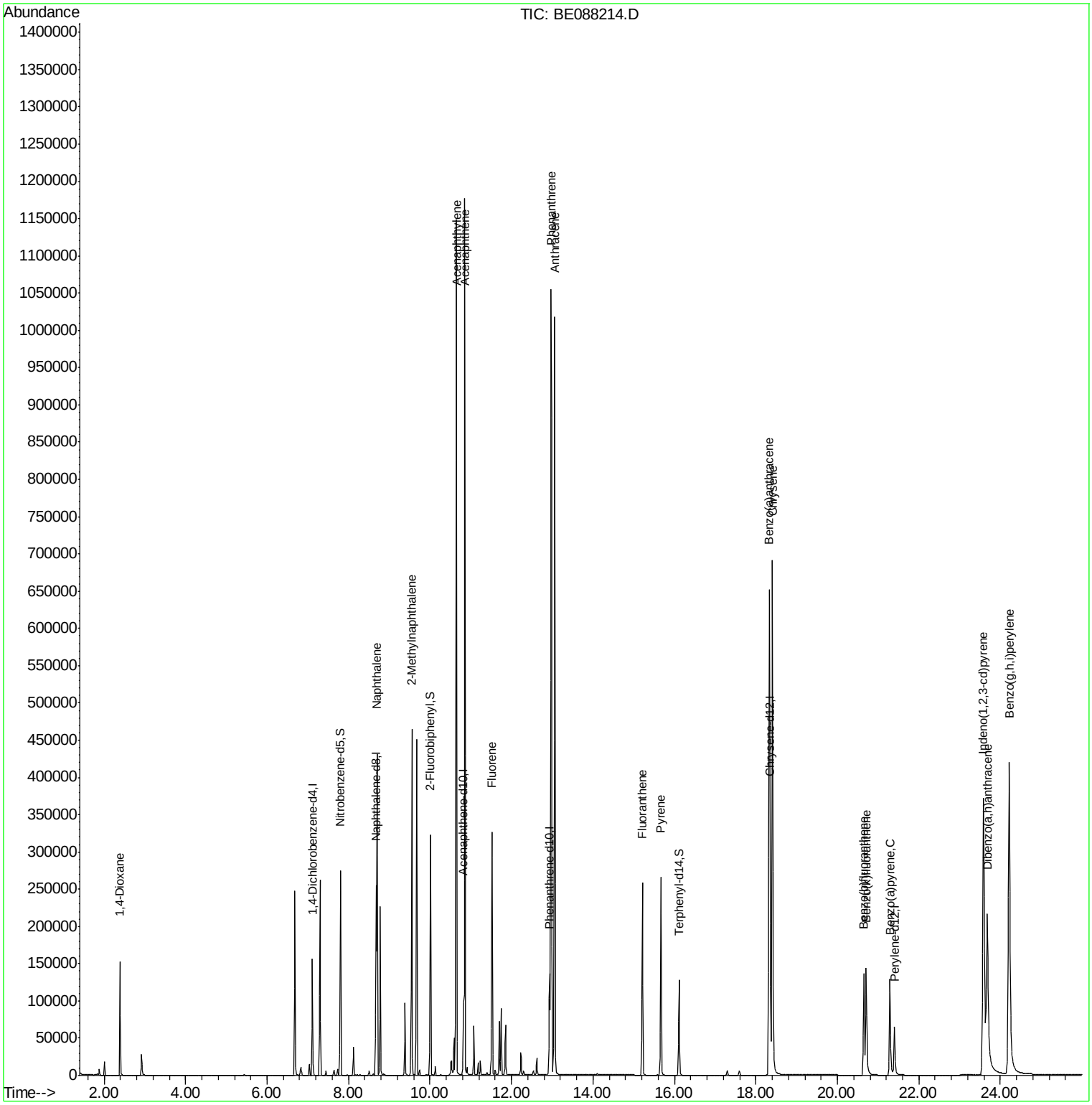
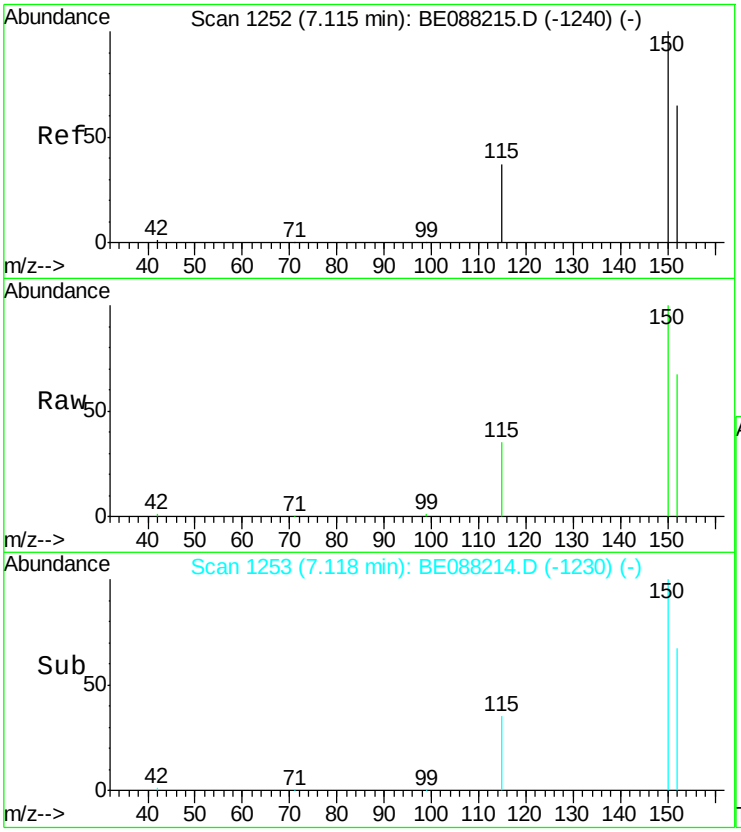
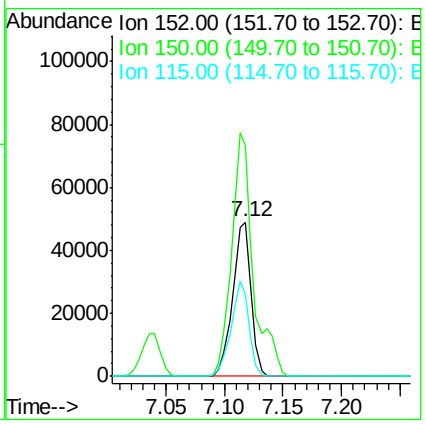




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.12 min Scan# 1253
Delta R.T. 0.00 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Tgt Ion:152 Resp: 53952

Ion	Ratio	Lower	Upper
152	100		
150	150.1	123.2	184.8
115	53.1	45.3	67.9



Instrument :
BNA_E
ClientSampleId :
SSTDICC010

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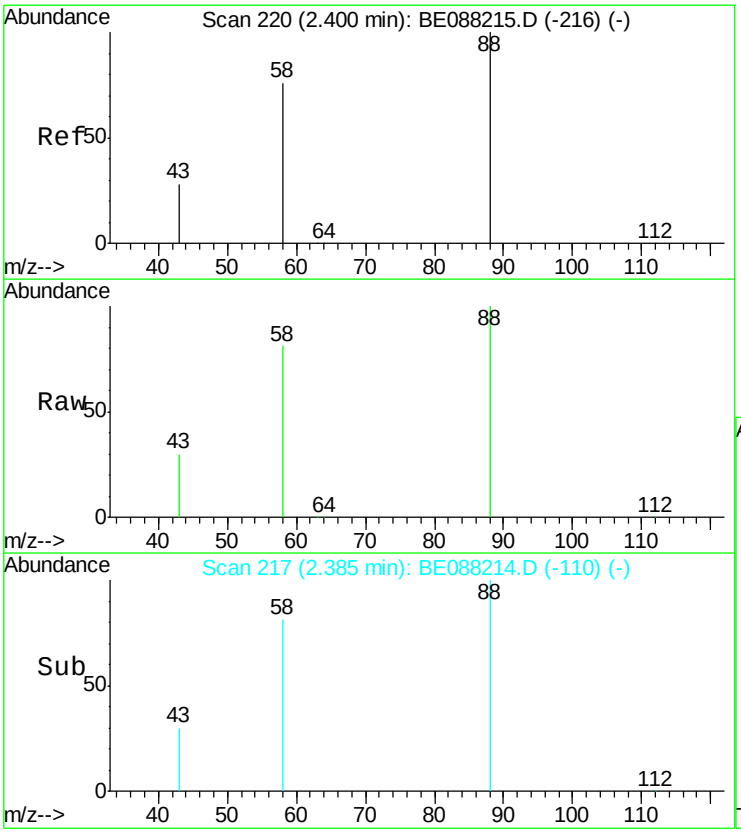
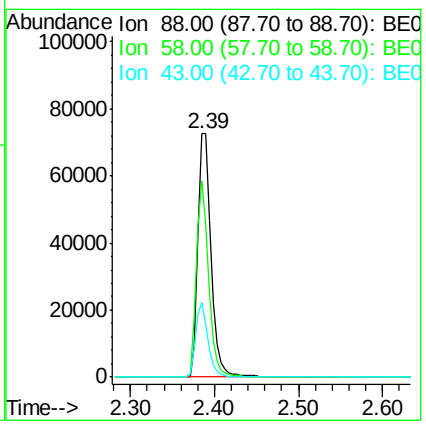
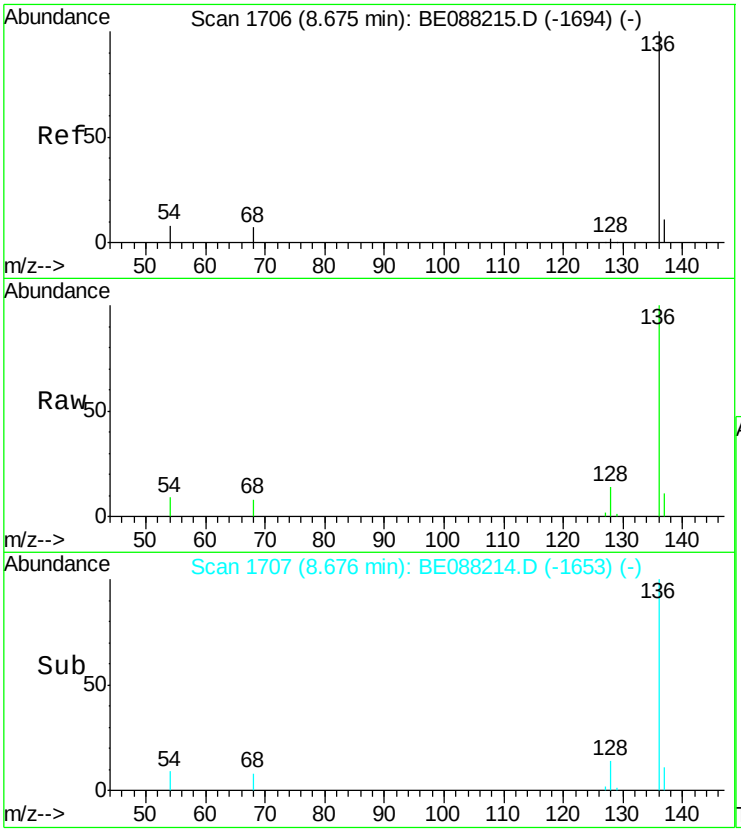


#2
1,4-Dioxane
Concen: 10.32 ng
RT: 2.39 min Scan# 217
Delta R.T. -0.01 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Tgt Ion: 88 Resp: 78155

Ion	Ratio	Lower	Upper
88	100		
58	75.2	59.0	88.4
43	28.4	21.9	32.9

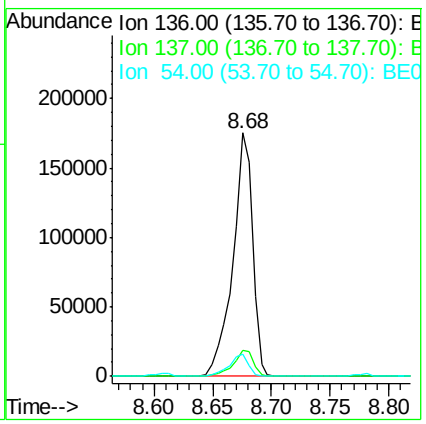




#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.68 min Scan# 1707
Delta R.T. 0.00 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Tgt Ion:136 Resp: 201661

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	9.3	6.1	9.1#



Instrument :
BNA_E
ClientSampleId :
SSTDICC010

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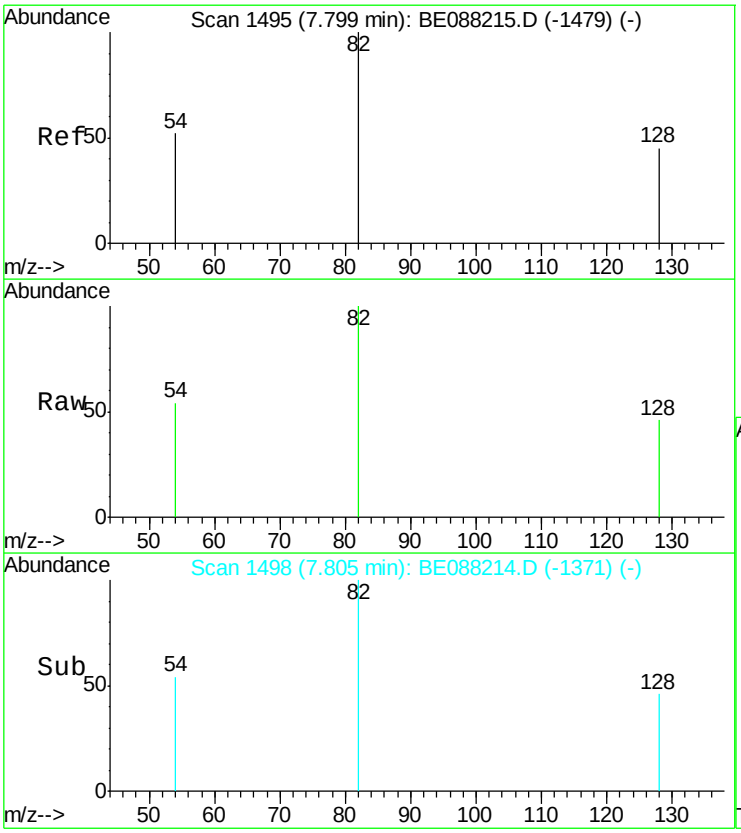
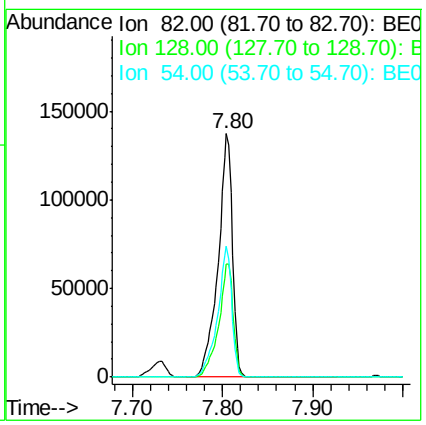
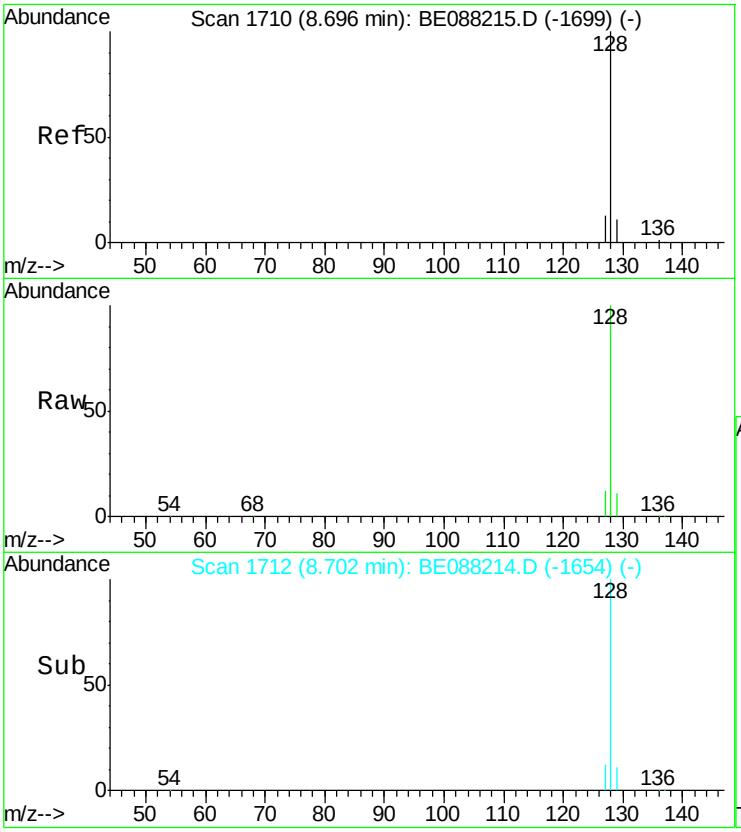


#4
Nitrobenzene-d5
Concen: 12.23 ng
RT: 7.80 min Scan# 1498
Delta R.T. 0.01 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Tgt Ion: 82 Resp: 151411

Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.2	54.2
54	53.6	41.8	62.8

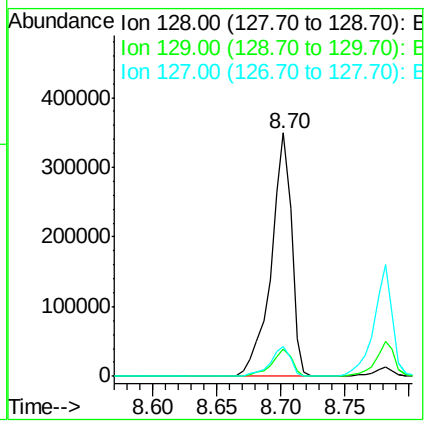




#5
Naphthalene
Concen: 9.42 ng
RT: 8.70 min Scan# 1712
Delta R.T. 0.01 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Tgt Ion:128 Resp: 386745

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	12.8
127	12.3	10.4	15.6



Instrument :
BNA_E
ClientSampleId :
SSTDICC010

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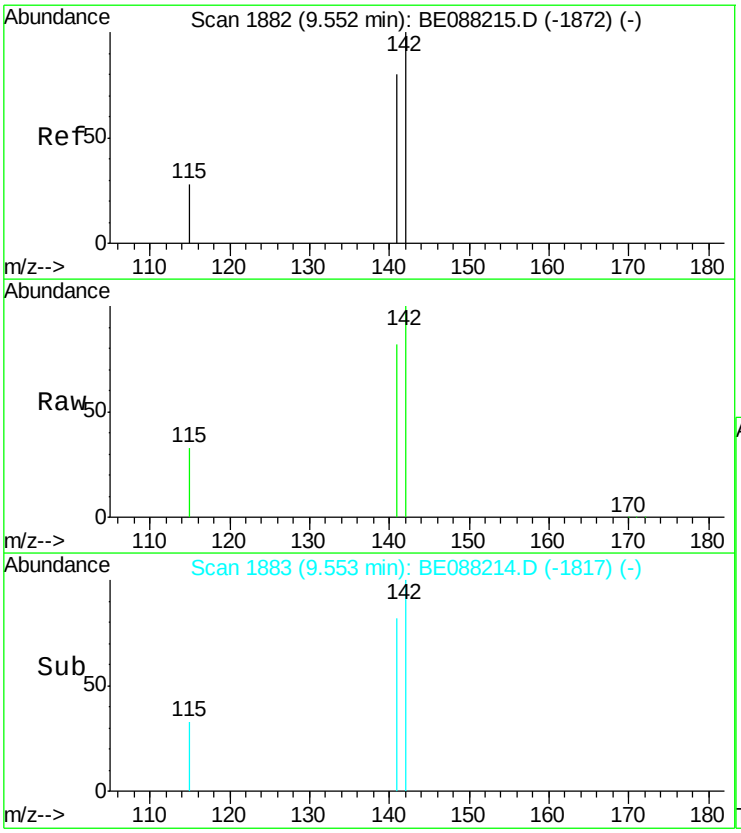
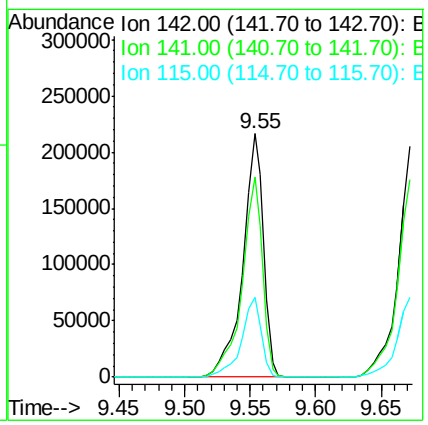
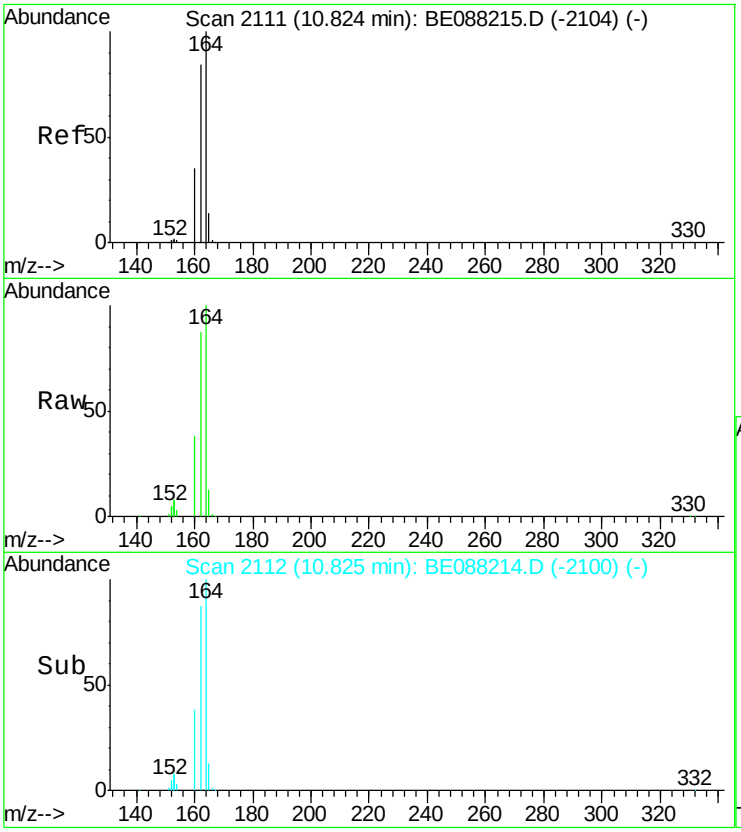


#6
2-Methylnaphthalene
Concen: 9.55 ng
RT: 9.55 min Scan# 1883
Delta R.T. 0.00 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Tgt Ion:142 Resp: 236067

Ion	Ratio	Lower	Upper
142	100		
141	81.9	63.7	95.5
115	32.6	22.6	34.0





#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.83 min Scan# 2112
Delta R.T. 0.00 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

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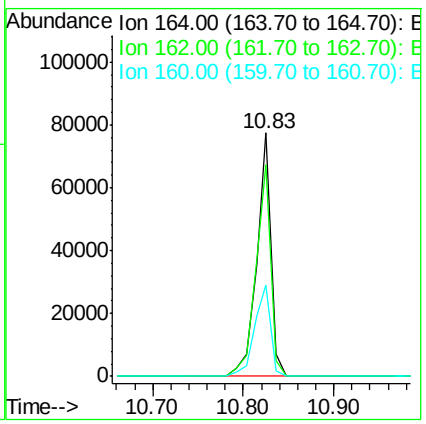
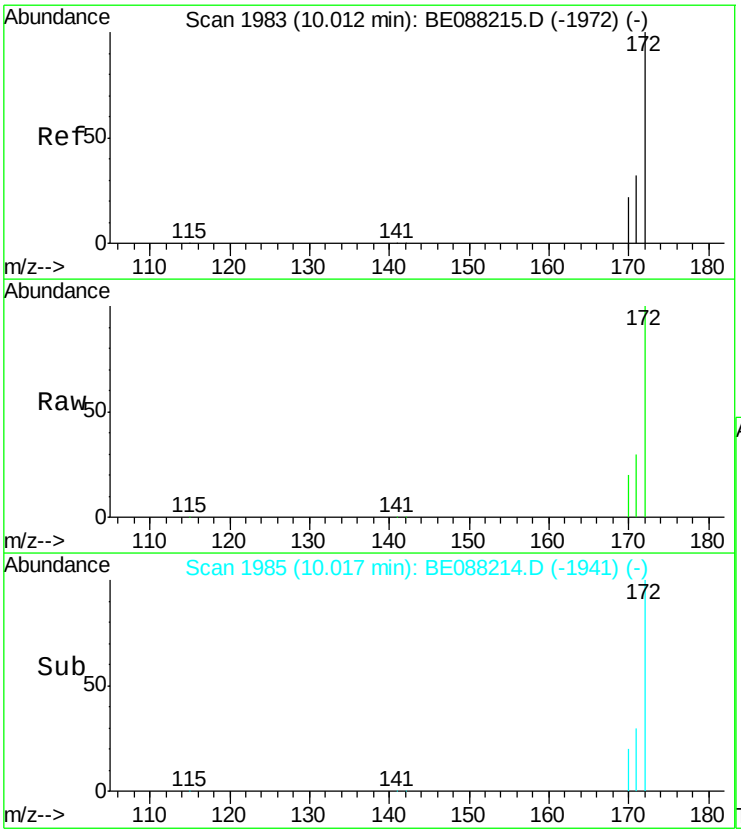
Tgt Ion:164 Resp: 85854

Ion	Ratio	Lower	Upper
164	100		
162	86.9	67.4	101.0
160	37.6	27.7	41.5

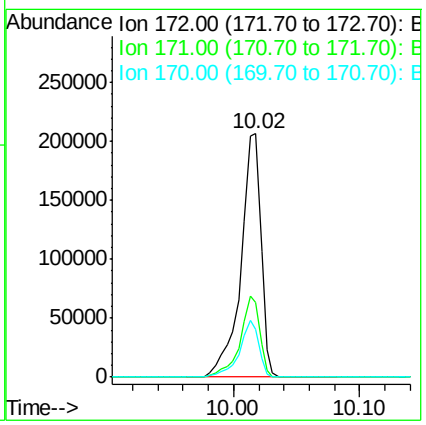


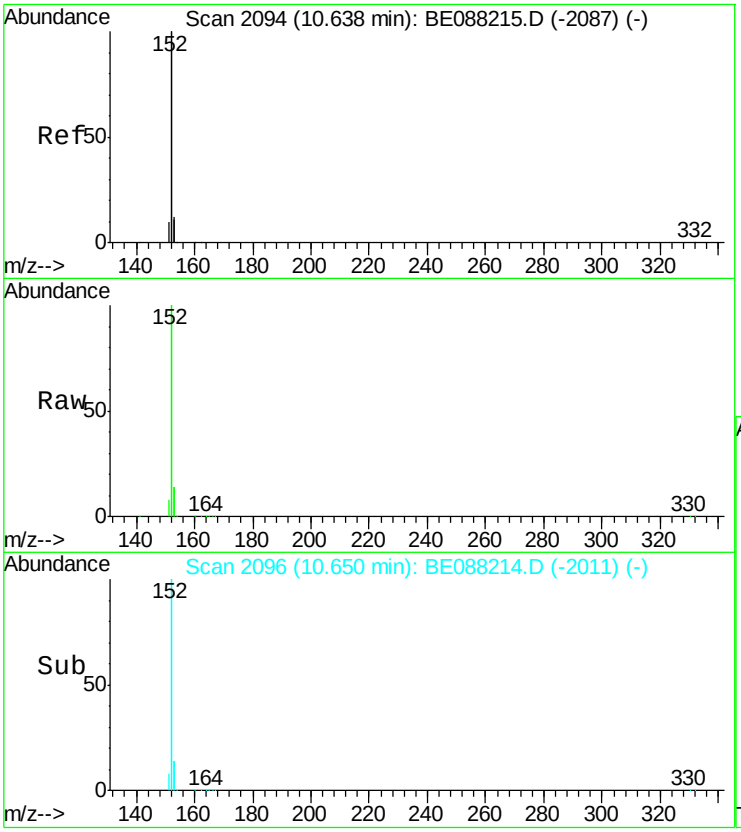


#8
2-Fluorobiphenyl
Concen: 9.66 ng
RT: 10.02 min Scan# 1985
Delta R.T. 0.01 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Tgt Ion:172 Resp: 231241

Ion	Ratio	Lower	Upper
172	100		
171	30.5	25.8	38.6
170	19.7	17.4	26.0

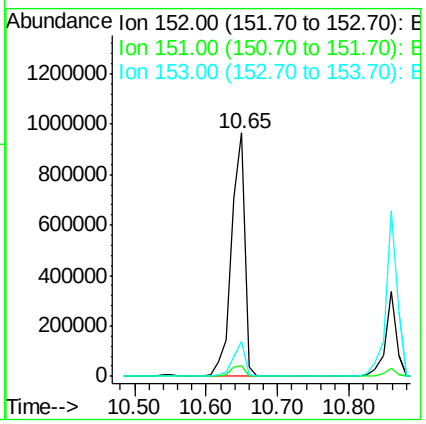




#9
Acenaphthylene
Concen: 9.85 ng
RT: 10.65 min Scan# 2096
Delta R.T. 0.01 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Tgt Ion:152 Resp: 1263624

Ion	Ratio	Lower	Upper
152	100		
151	4.7	3.7	5.5
153	13.1	10.3	15.5



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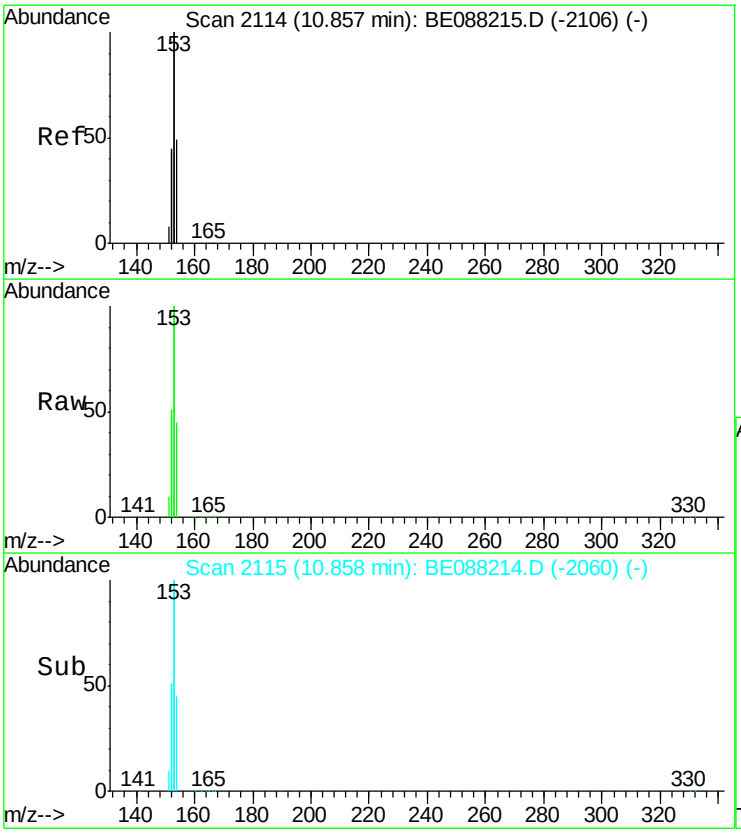
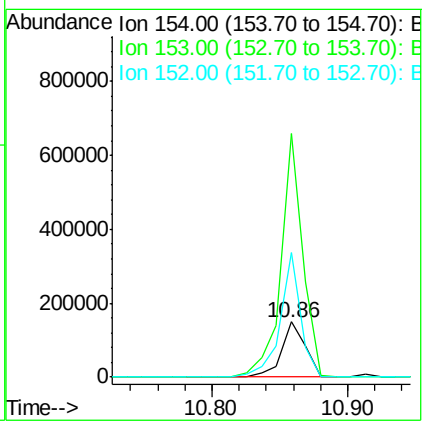
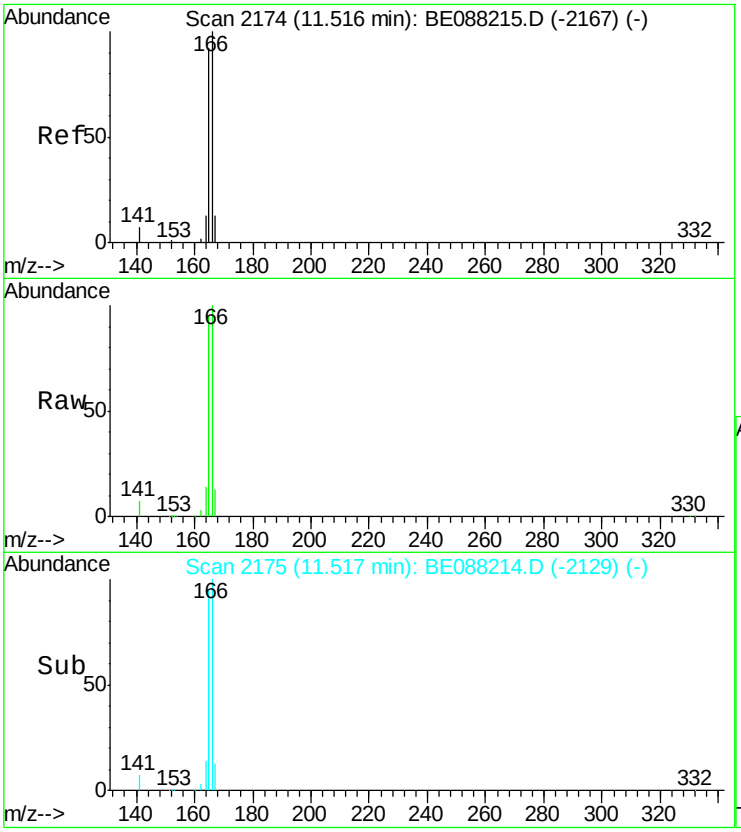


#10
Acenaphthene
Concen: 8.94 ng
RT: 10.86 min Scan# 2115
Delta R.T. 0.00 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Tgt Ion:154 Resp: 181544

Ion	Ratio	Lower	Upper
154	100		
153	409.3	326.0	489.0
152	195.7	155.6	233.4





#11
Fluorene
Concen: 9.54 ng
RT: 11.52 min Scan# 2175
Delta R.T. 0.00 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Tgt Ion:166 Resp: 197518

Ion	Ratio	Lower	Upper
166	100		
165	89.0	71.8	107.6
167	13.7	10.7	16.1

Instrument :
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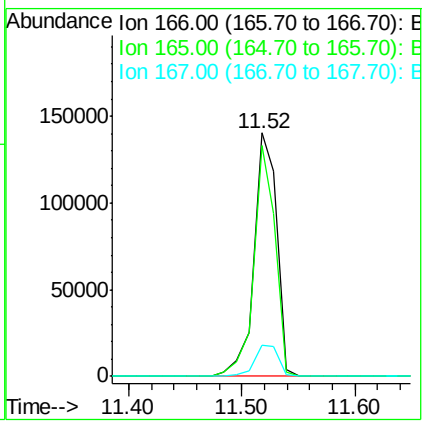
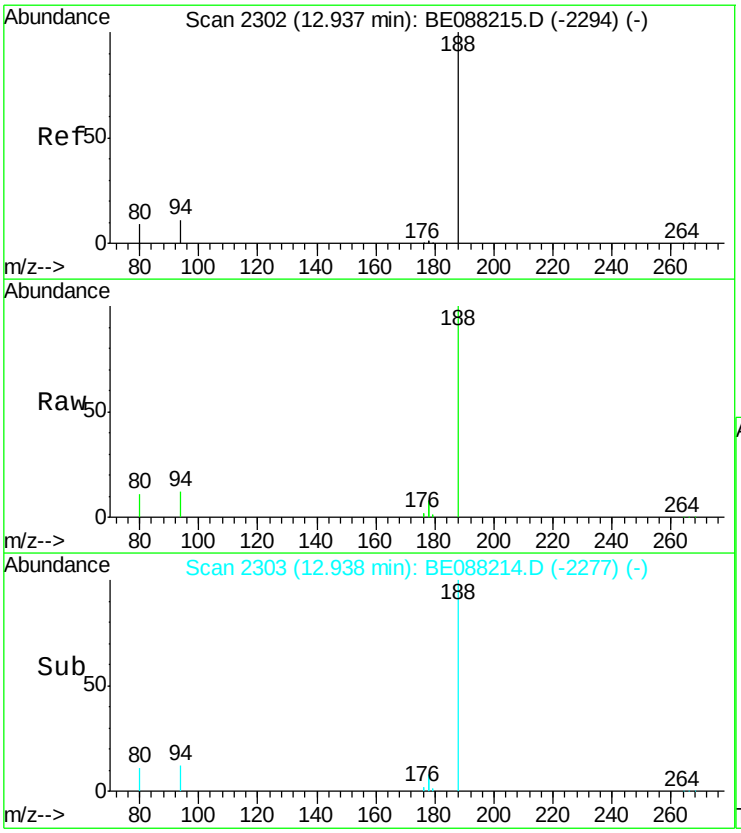
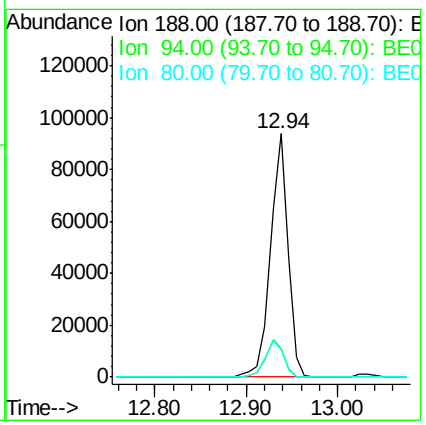


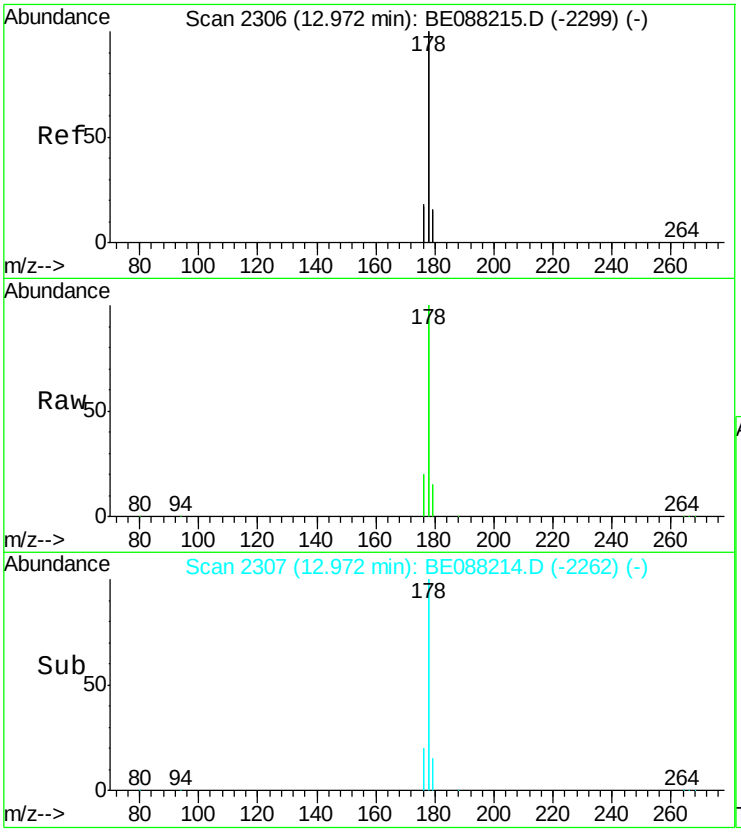


#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.94 min Scan# 2303
Delta R.T. 0.00 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Tgt Ion:188 Resp: 157072

Ion	Ratio	Lower	Upper
188	100		
94	12.0	8.5	12.7
80	11.0	7.4	11.0

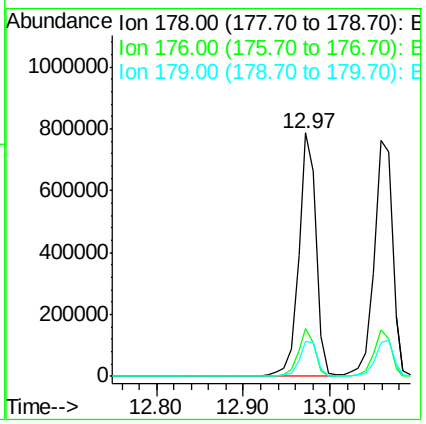




#13
Phenanthrene
Concen: 10.55 ng
RT: 12.97 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Tgt Ion:178 Resp: 1368277

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.0	21.0
179	15.4	11.8	17.6



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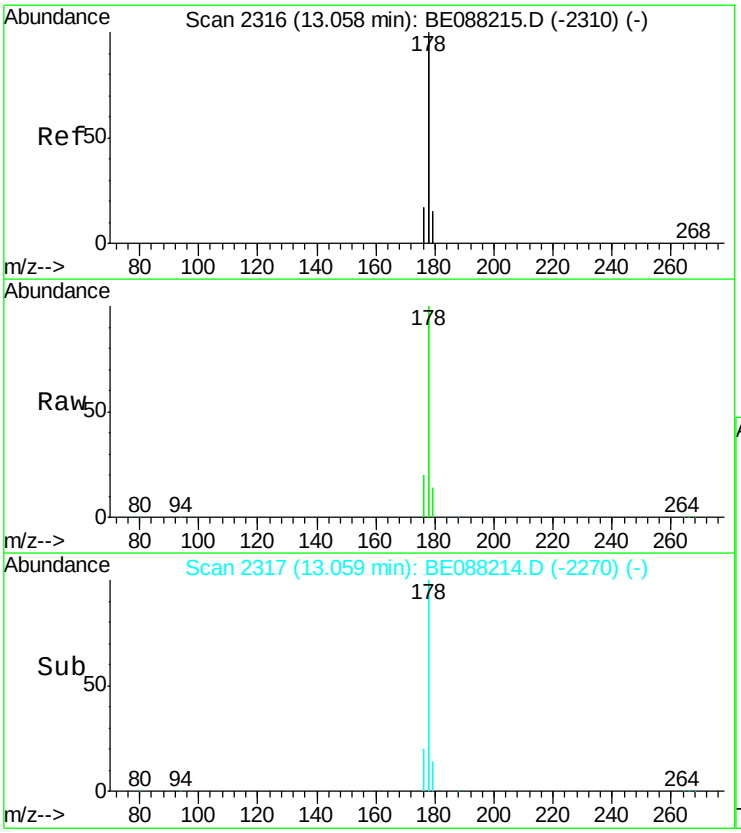
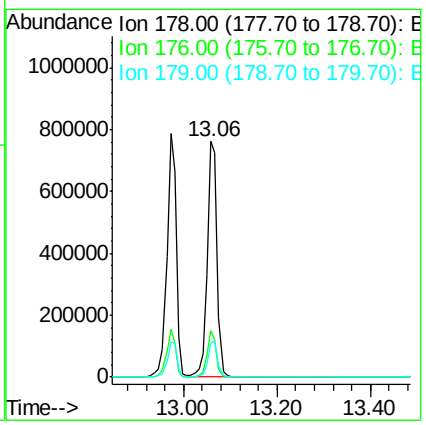
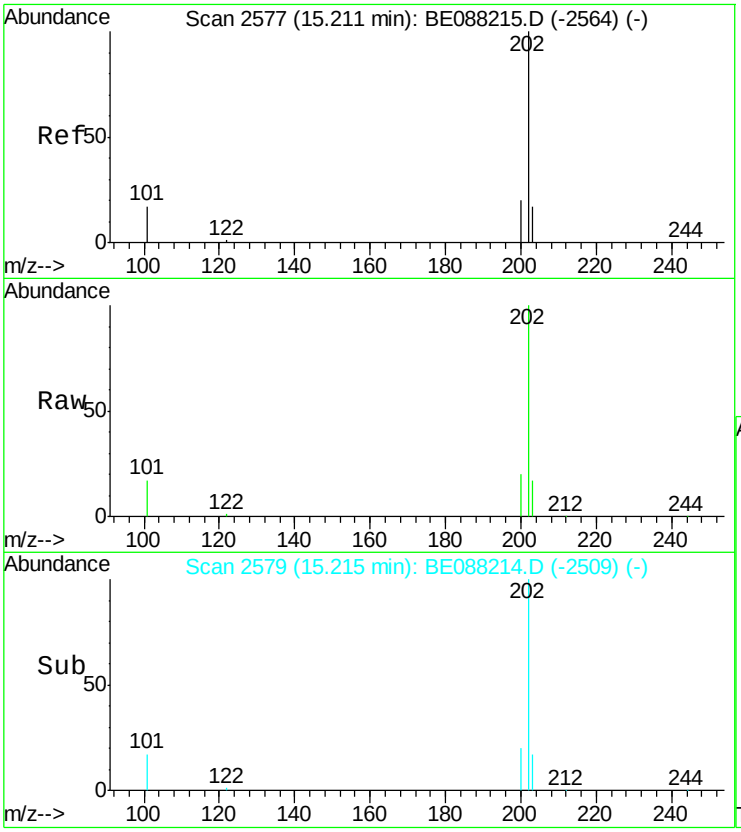


#14
Anthracene
Concen: 10.04 ng
RT: 13.06 min Scan# 2317
Delta R.T. 0.00 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Tgt Ion:178 Resp: 1123048

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	15.2	12.3	18.5

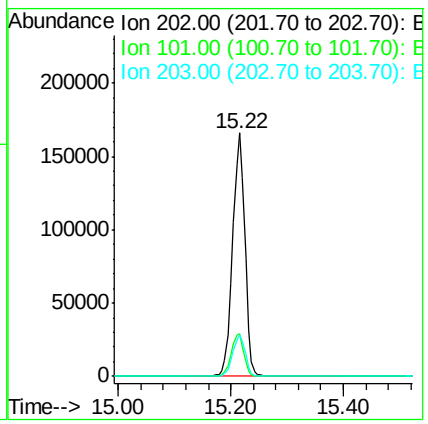




#15
Fluoranthene
Concen: 10.98 ng
RT: 15.22 min Scan# 2579
Delta R.T. 0.00 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Tgt Ion:202 Resp: 252327

Ion	Ratio	Lower	Upper
202	100		
101	17.9	14.4	21.6
203	17.3	13.4	20.2



Instrument :
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SSTDICC010

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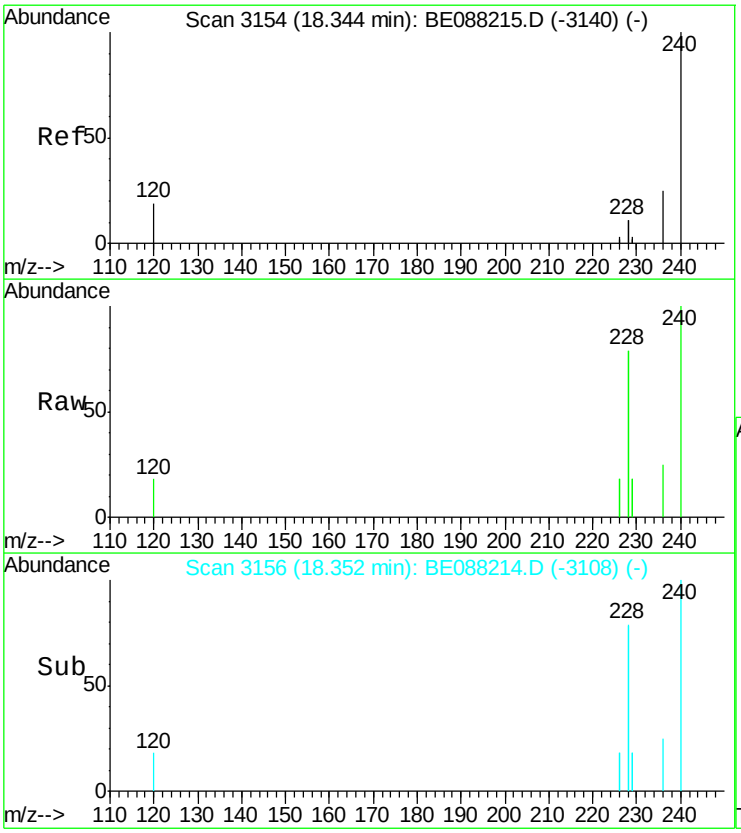
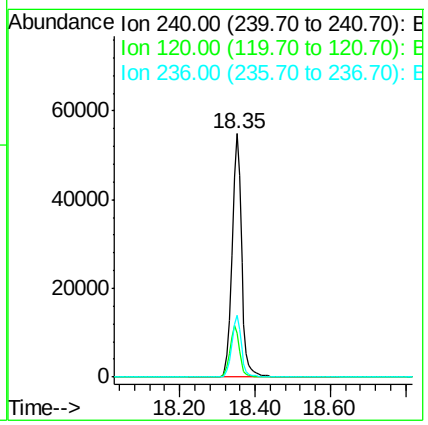
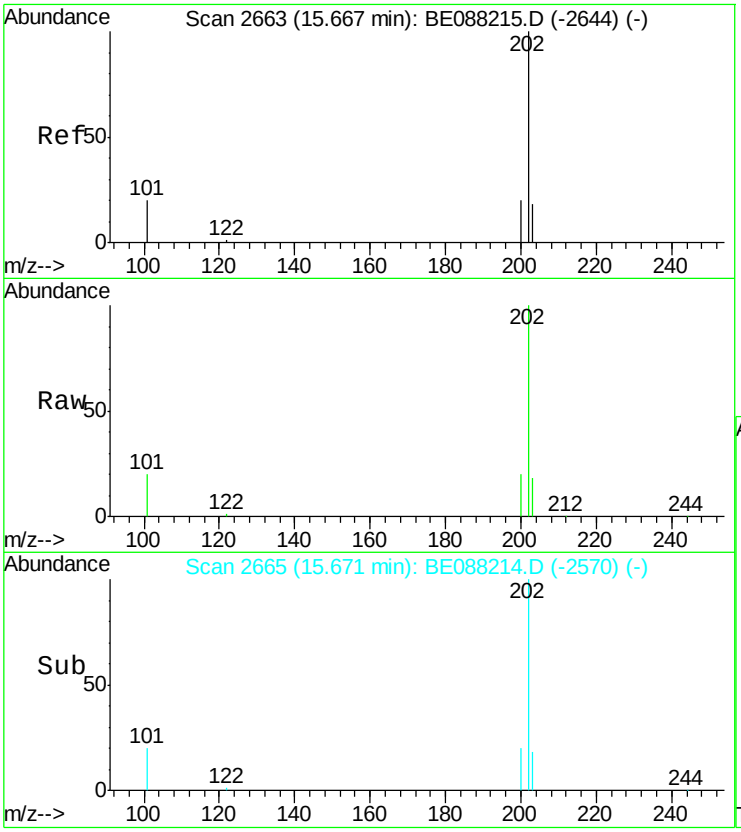


#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.35 min Scan# 3156
Delta R.T. 0.01 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Tgt Ion:240 Resp: 94162

Ion	Ratio	Lower	Upper
240	100		
120	18.3	15.1	22.7
236	25.2	20.1	30.1

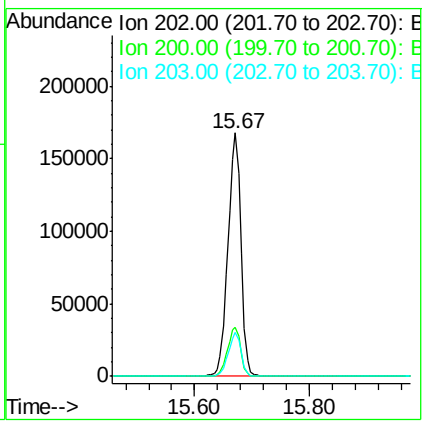




#17
Pyrene
Concen: 10.27 ng
RT: 15.67 min Scan# 2665
Delta R.T. 0.00 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Tgt Ion:202 Resp: 265430

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.2	24.2
203	17.6	13.8	20.8



Instrument :
BNA_E
ClientSampleId :
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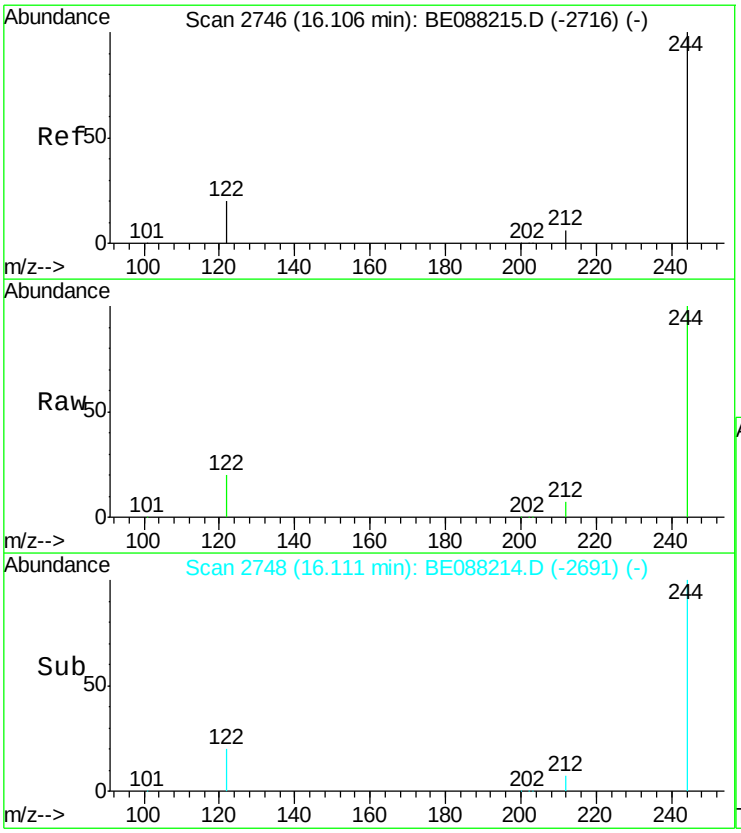
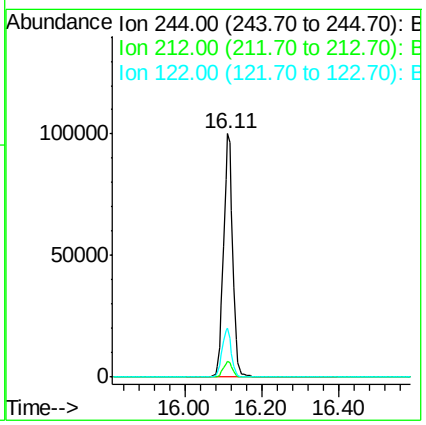
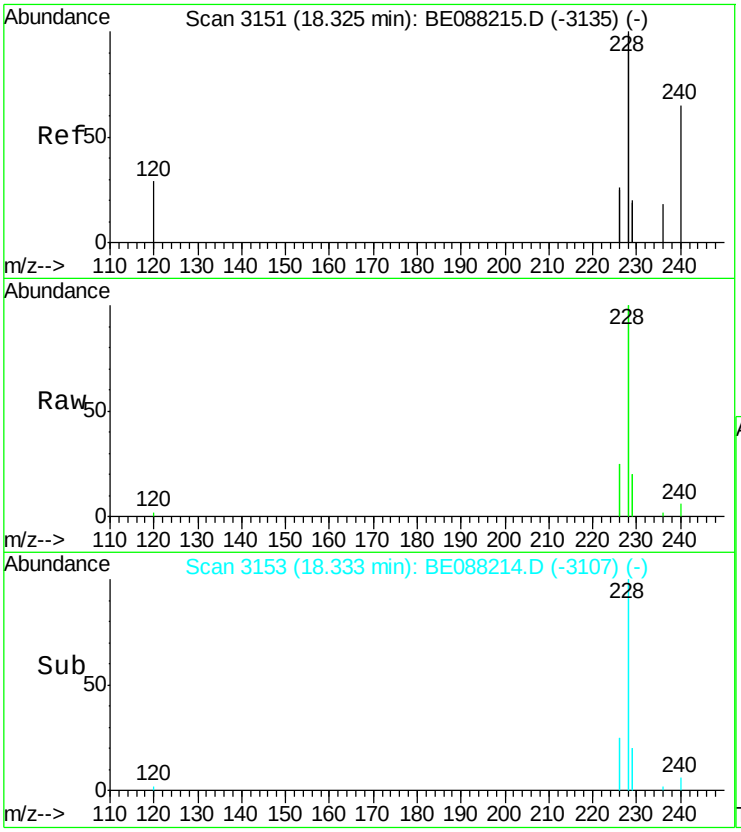


#18
Terphenyl-d14
Concen: 10.67 ng
RT: 16.11 min Scan# 2748
Delta R.T. 0.00 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Tgt Ion:244 Resp: 164491

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.2
122	20.3	16.7	25.1

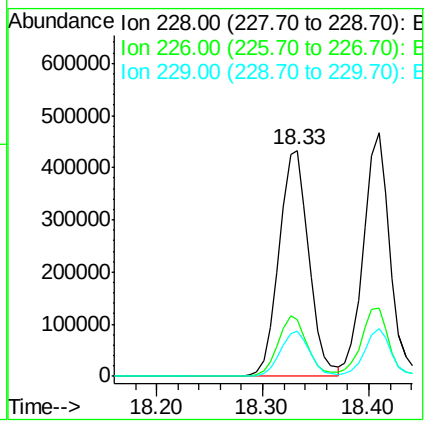




#19
Benzo(a)anthracene
Concen: 11.33 ng
RT: 18.33 min Scan# 3153
Delta R.T. 0.01 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Tgt Ion:228 Resp: 840157

Ion	Ratio	Lower	Upper
228	100		
226	25.3	20.5	30.7
229	20.1	16.1	24.1



Instrument :
BNA_E
ClientSampleId :
SSTDICC010

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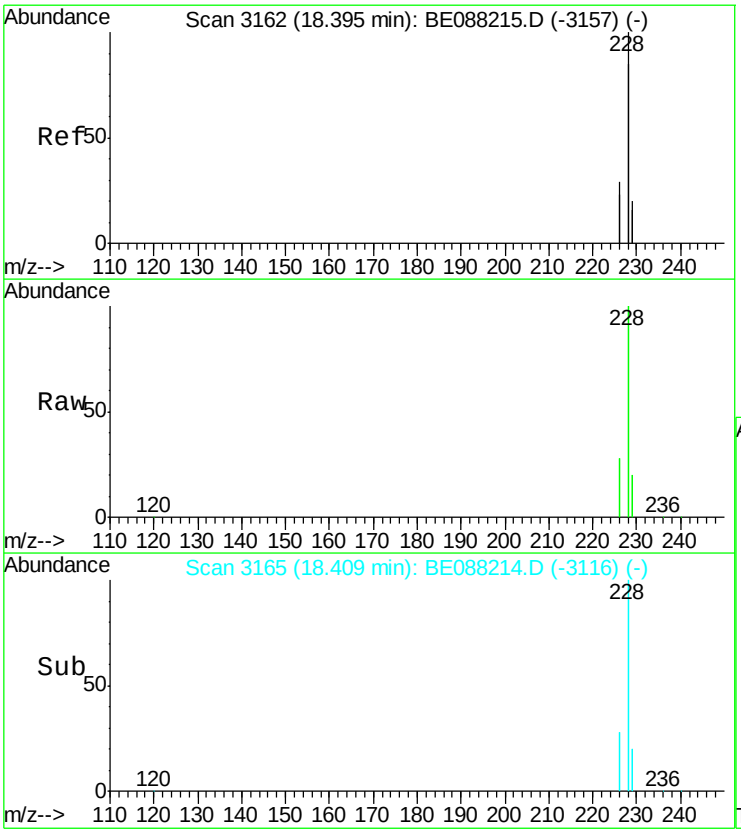
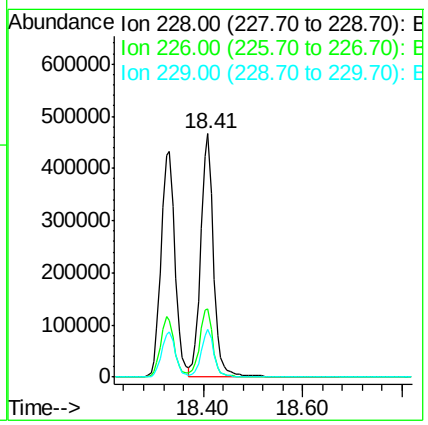
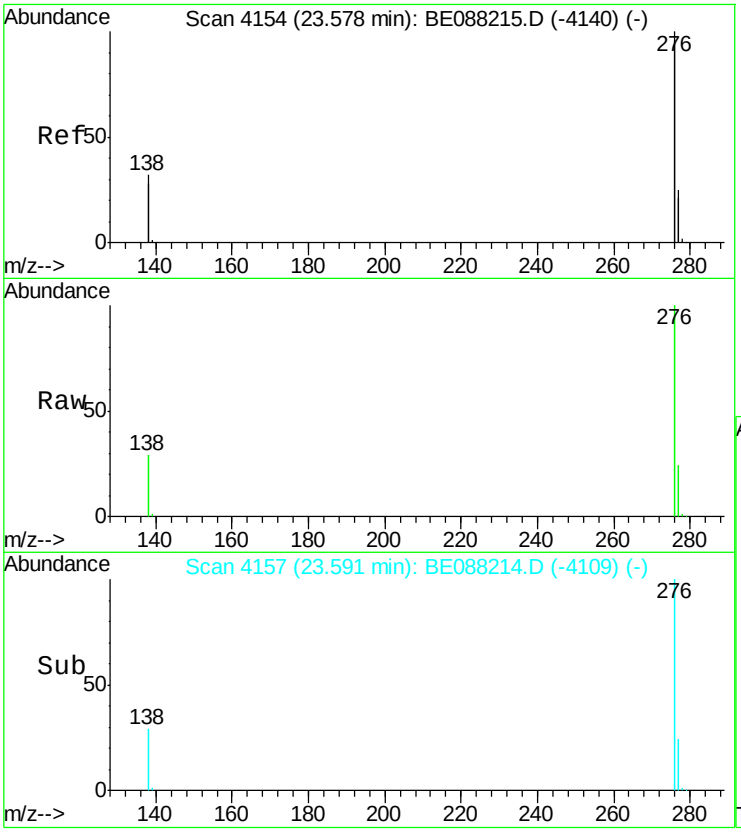


#20
Chrysene
Concen: 9.81 ng
RT: 18.41 min Scan# 3165
Delta R.T. 0.01 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Tgt Ion:228 Resp: 825665

Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.3	34.9
229	19.7	15.6	23.4





#21
Indeno(1,2,3-cd)pyrene
Concen: 12.30 ng m
RT: 23.59 min Scan# 4157
Delta R.T. 0.01 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Instrument :
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ClientSampleId :
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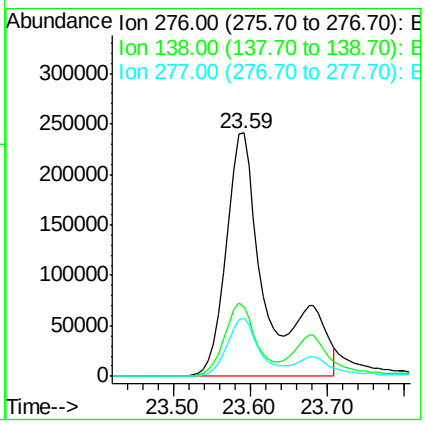
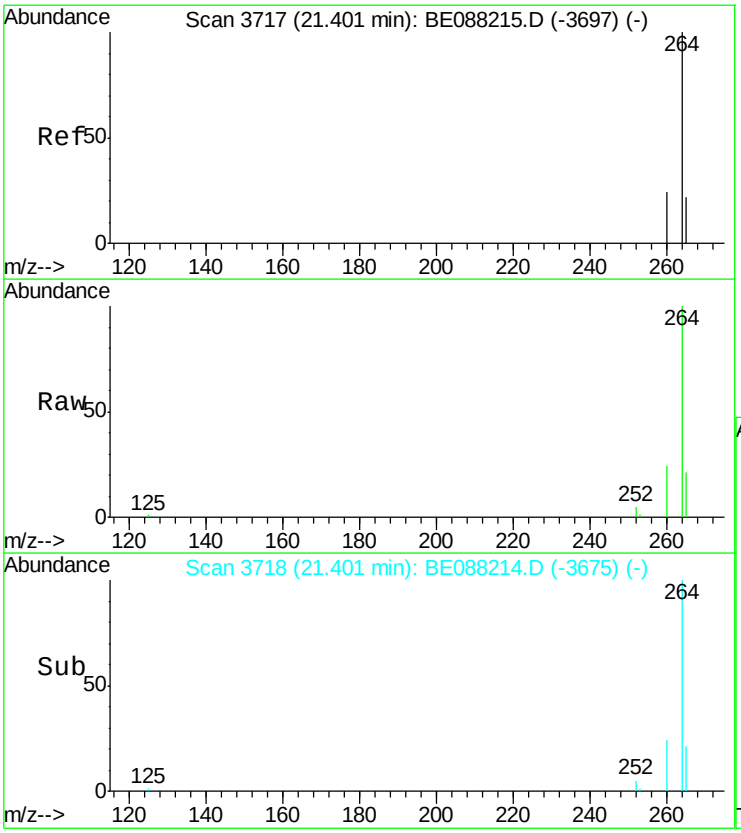
Tgt Ion:276 Resp: 914056

Ion	Ratio	Lower	Upper
276	100		
138	22.9	13.9	20.9#
277	18.3	10.7	16.1#

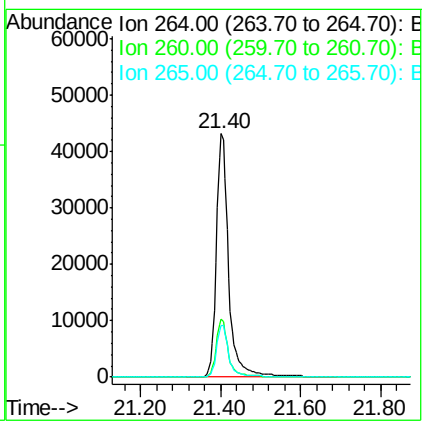


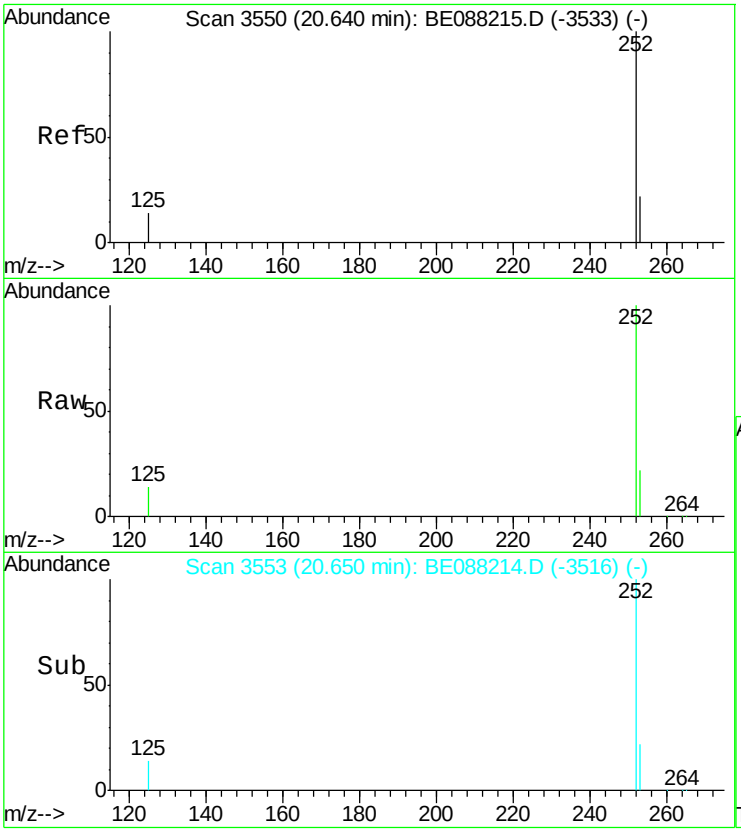


#22
Perylene-d12
Concen: 5.00 ng
RT: 21.40 min Scan# 3718
Delta R.T. 0.00 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Tgt Ion:264 Resp: 91006

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	21.4	17.4	26.2





#23
Benzo(b)fluoranthene
Concen: 13.18 ng
RT: 20.65 min Scan# 3553
Delta R.T. 0.01 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Tgt Ion:252 Resp: 196041

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.9	26.9
125	14.2	12.2	18.2

Instrument :
BNA_E
ClientSampleId :
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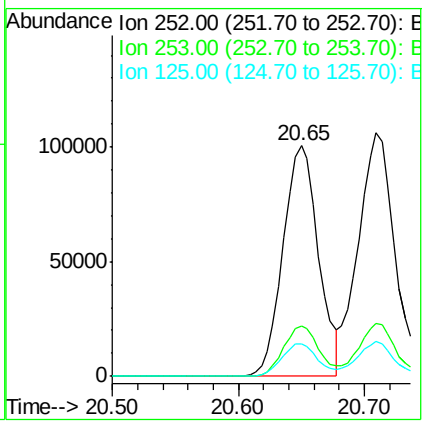
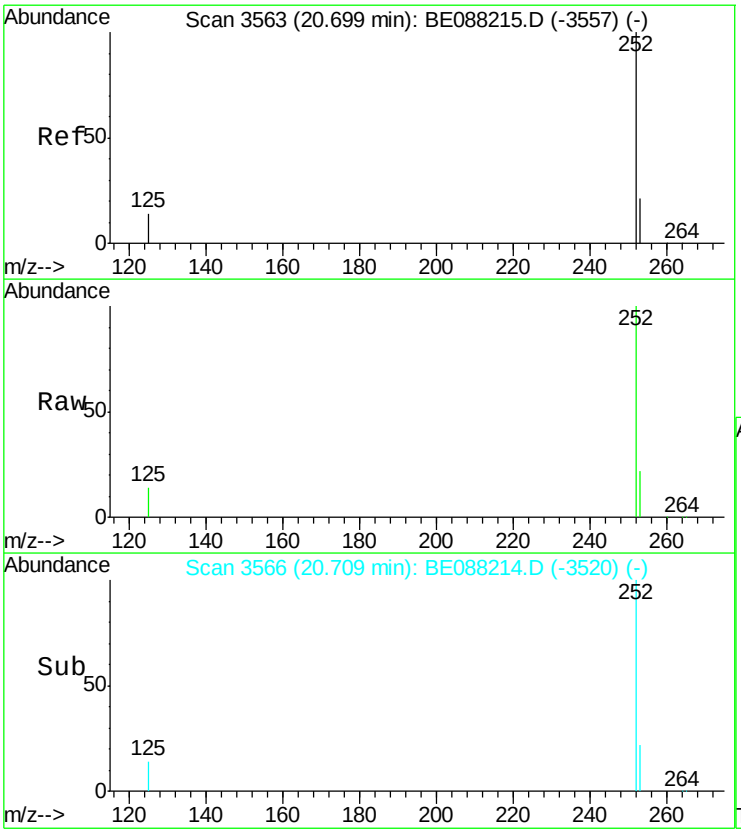
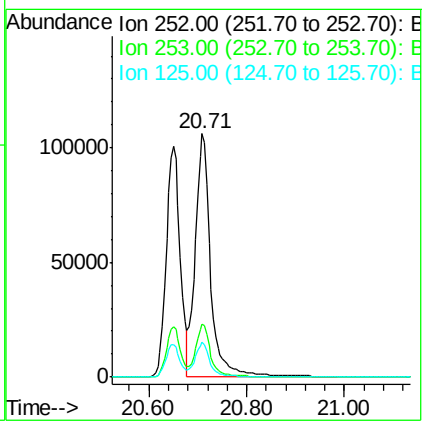


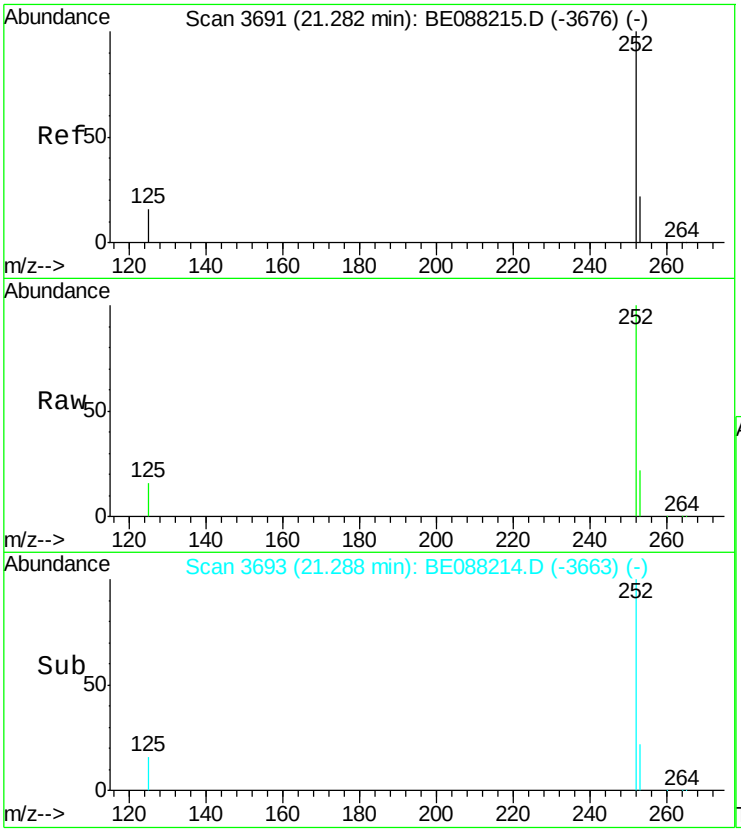


#24
Benzo(k)fluoranthene
Concen: 9.83 ng
RT: 20.71 min Scan# 3566
Delta R.T. 0.01 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Tgt Ion:252 Resp: 231049

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	14.1	12.1	18.1

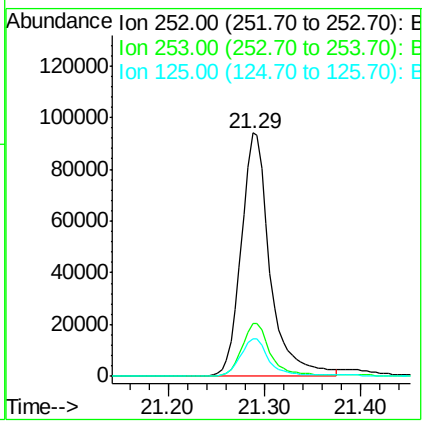




#25
Benzo(a)pyrene
Concen: 13.21 ng
RT: 21.29 min Scan# 3693
Delta R.T. 0.01 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Tgt Ion:252 Resp: 194217

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	15.7	13.5	20.3



Instrument :
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ClientSampleId :
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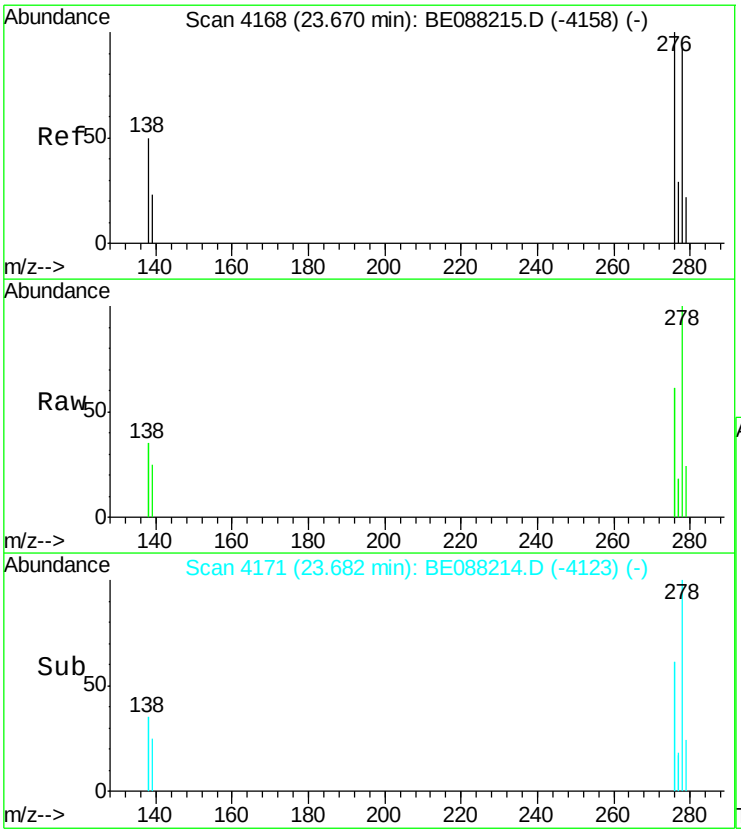
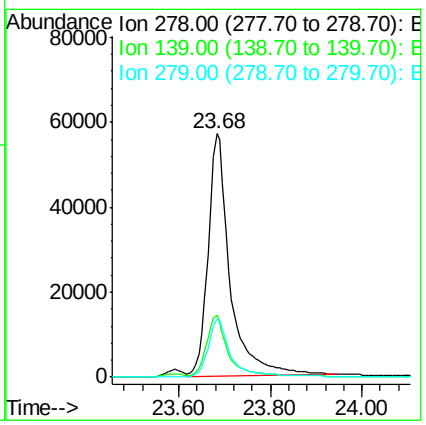
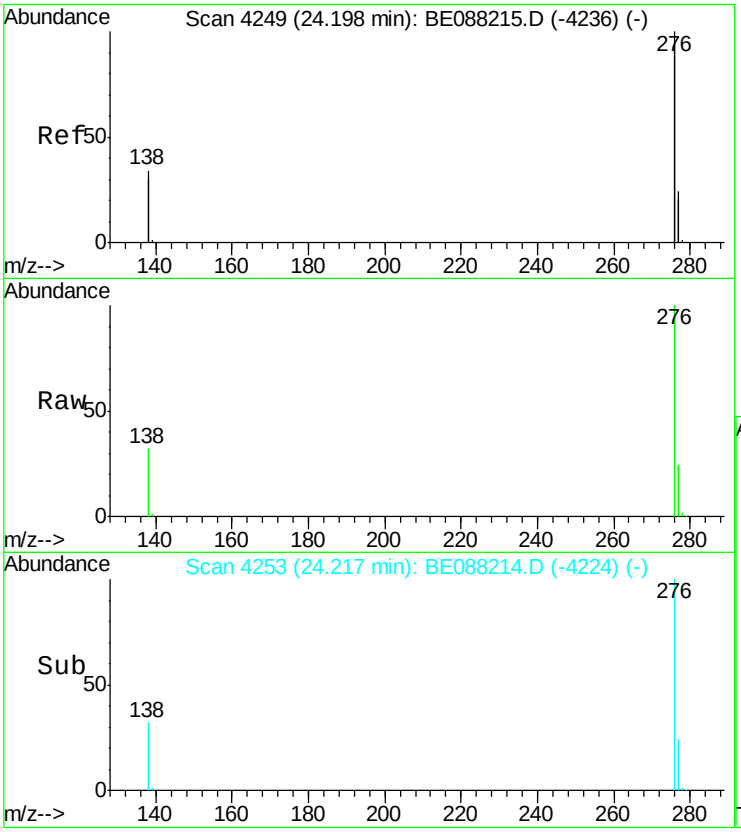


#26
Dibenzo(a,h)anthracene
Concen: 13.54 ng
RT: 23.68 min Scan# 4171
Delta R.T. 0.01 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Tgt Ion:278 Resp: 188282

Ion	Ratio	Lower	Upper
278	100		
139	25.4	22.1	33.1
279	23.9	20.2	30.2

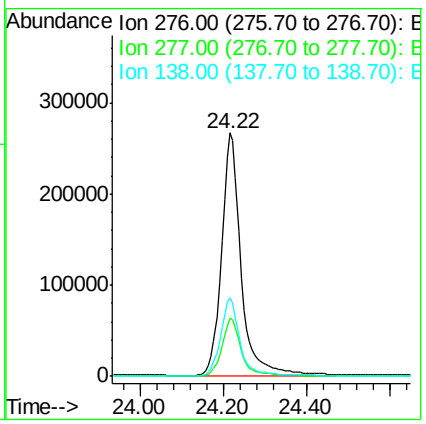




#27
Benzo(g,h,i)perylene
Concen: 11.78 ng
RT: 24.22 min Scan# 4253
Delta R.T. 0.02 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Tgt Ion:276 Resp: 860154

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.4	29.2
138	32.4	27.3	40.9



Instrument :
BNA_E
ClientSampleId :
SSTDICC010

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