Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE120914\
Data File : BE089195.D
Acq On : 9 Dec 2014 19:50
Operator : TP/JJ
Sample : SSTDCCC001
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
mohammad
12/10/2014 4:31:53 PM

Quant Time: Dec 10 01:01:05 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE120514.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 08 00:50:53 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	22171	5.00	ng	-0.02
3) Naphthalene-d8	8.51	136	86401	5.00	ng	-0.02
7) Acenaphthene-d10	10.65	164	40764	5.00	ng	-0.02
12) Phenanthrene-d10	12.72	188	61465	5.00	ng	-0.02
17) Chrysene-d12	18.07	240	41368	5.00	ng	-0.02
23) Perylene-d12	21.11	264	36730	5.00	ng	-0.03
System Monitoring Compounds						
4) Nitrobenzene-d5	7.64	82	6928	1.09	ng	-0.02
8) 2-Fluorobiphenyl	9.85	172	12267	1.09	ng	-0.01
19) Terphenyl-d14	15.84	244	8056	1.09	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	2.19	88	2861	1.03	ng	99
5) Naphthalene	8.54	128	18882	1.04	ng	98
6) 2-Methylnaphthalene	9.39	142	12120	1.09	ng	98
9) Acenaphthylene	10.47	152	70884	1.10	ng	100
10) Acenaphthene	10.69	154	10602	1.07	ng	98
11) Fluorene	11.34	166	11312	1.07	ng	100
13) Pentachlorophenol	12.43	266	958	1.00	ng	98
14) Phenanthrene	12.75	178	61763	1.06	ng	100
15) Anthracene	12.84	178	61977	1.07	ng	100
16) Fluoranthene	14.95	202	13090	1.04	ng	100
18) Pyrene	15.40	202	13746	1.08	ng	100
20) Benzo(a)anthracene	18.05	228	40029	1.04	ng	99
21) Chrysene	18.12	228	40519	1.05	ng	98
22) Indeno(1,2,3-cd)pyrene	23.20	276	37025m	1.09	ng	
24) Benzo(b)fluoranthene	20.36	252	8348	1.08	ng	100
25) Benzo(k)fluoranthene	20.42	252	9532	1.04	ng	99
26) Benzo(a)pyrene	21.00	252	8001	1.06	ng	99
27) Dibenzo(a,h)anthracene	23.28	278	7212	1.10	ng	99
28) Benzo(g,h,i)perylene	23.78	276	33207	1.06	ng	99

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE120914\
Data File : BE089195.D
Acq On : 9 Dec 2014 19:50
Operator : TP/JJ
Sample : SSTDCCC001
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 10 01:01:05 2014
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 08 00:50:53 2014
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
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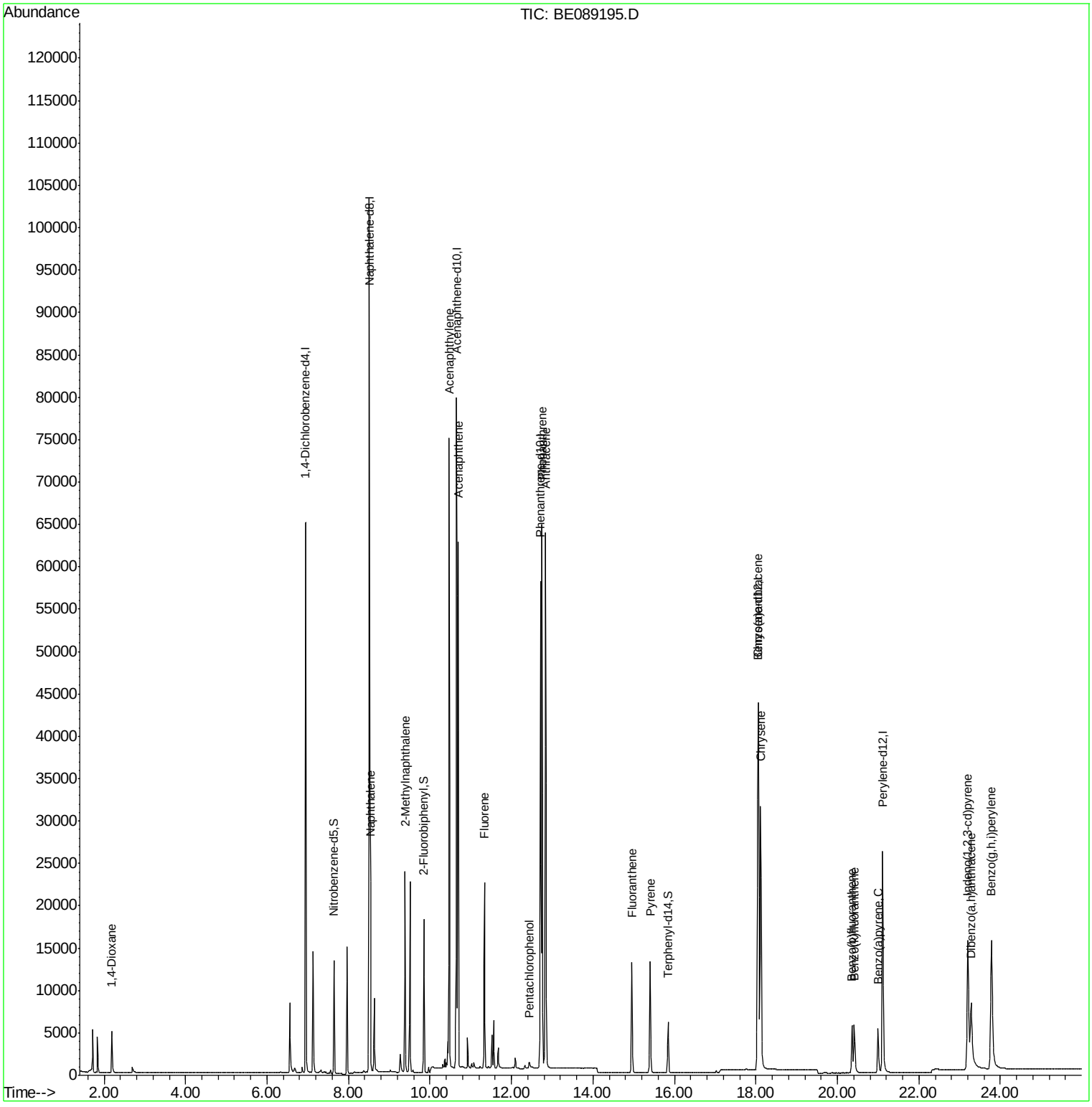
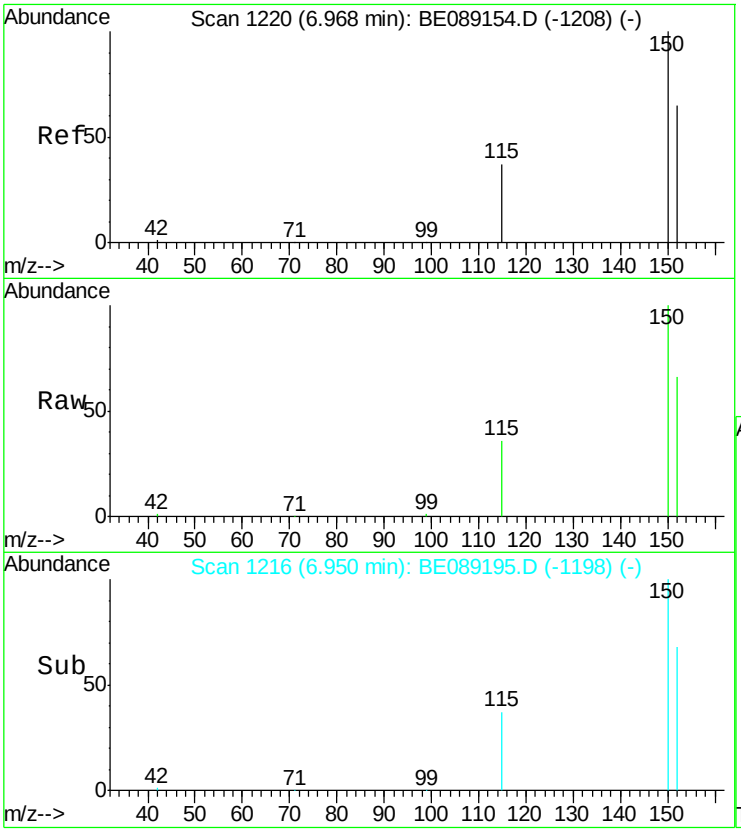
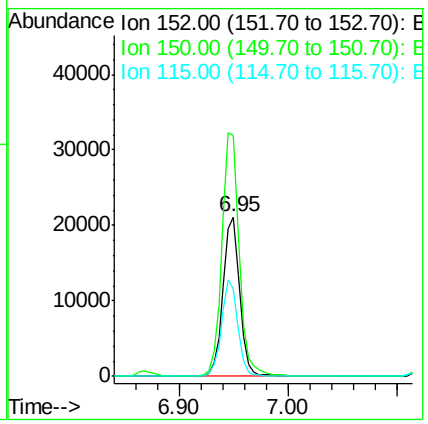




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 6.95 min Scan# 1216
Delta R.T. -0.02 min
Lab File: BE089195.D
Acq: 9 Dec 2014 19:50

Tgt Ion:152 Resp: 22171

Ion	Ratio	Lower	Upper
152	100		
150	151.0	124.0	186.0
115	55.1	46.0	69.0



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
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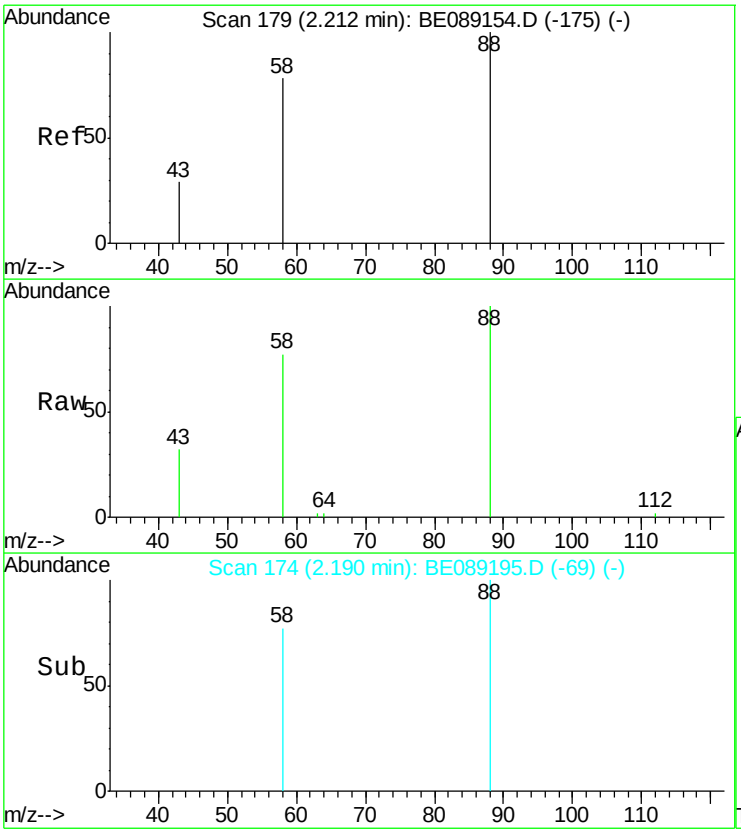
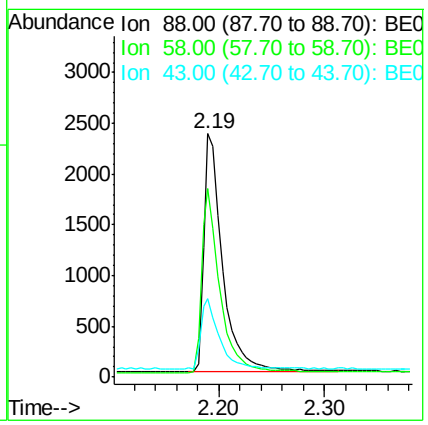
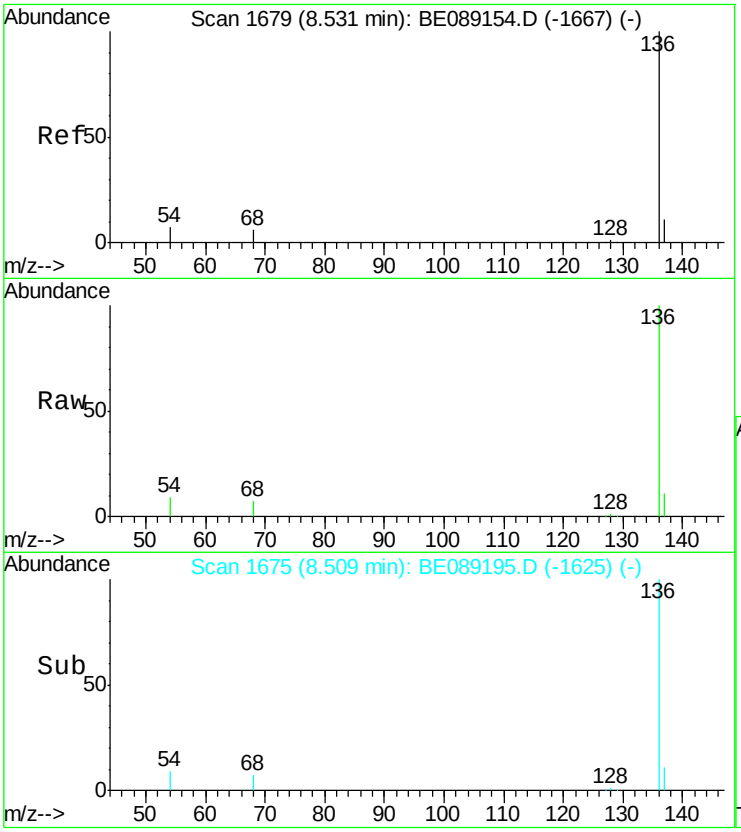


#2
1,4-Dioxane
Concen: 1.03 ng
RT: 2.19 min Scan# 174
Delta R.T. -0.02 min
Lab File: BE089195.D
Acq: 9 Dec 2014 19:50

Tgt Ion: 88 Resp: 2861

Ion	Ratio	Lower	Upper
88	100		
58	76.4	60.7	91.1
43	29.3	23.3	34.9

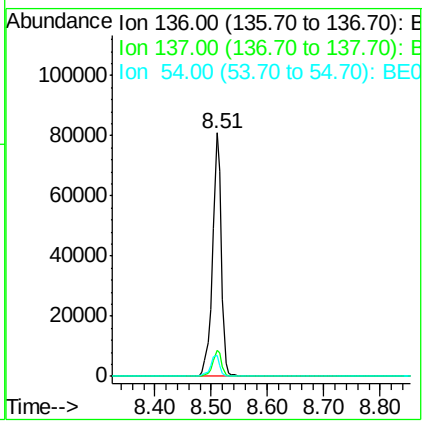




#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.51 min Scan# 1675
Delta R.T. -0.02 min
Lab File: BE089195.D
Acq: 9 Dec 2014 19:50

Tgt Ion:136 Resp: 86401

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	8.7	5.8	8.6#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

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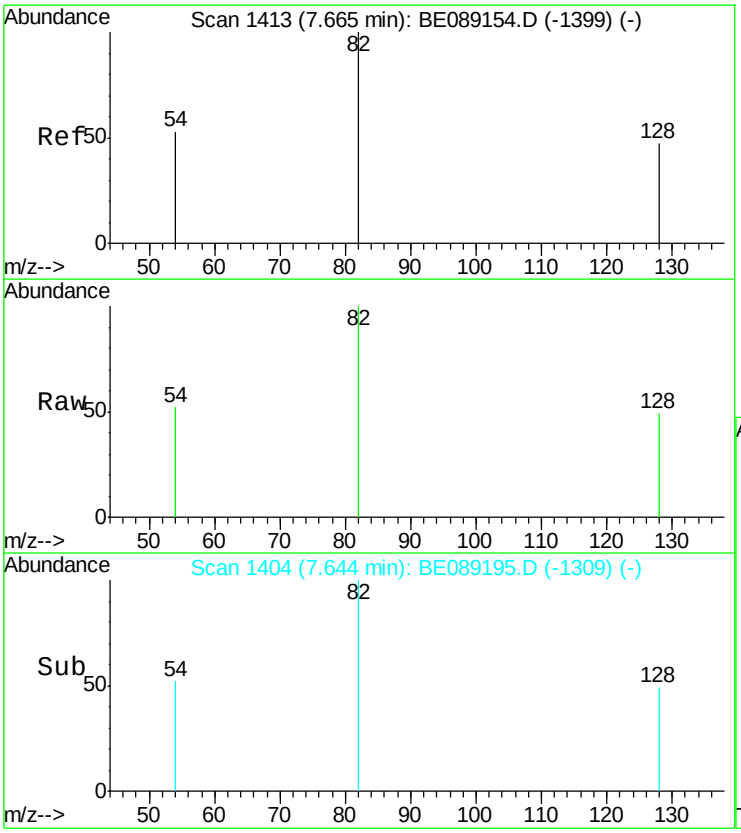
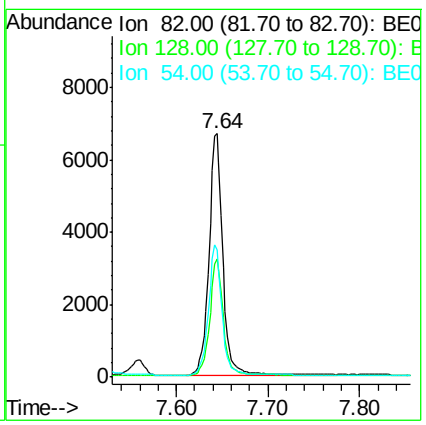
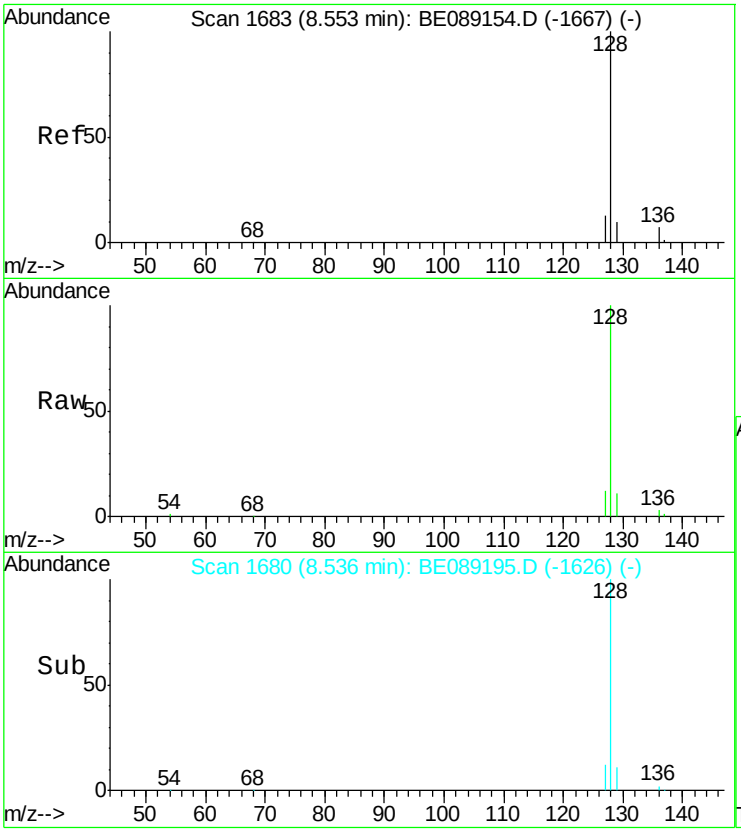


#4
Nitrobenzene-d5
Concen: 1.09 ng
RT: 7.64 min Scan# 1404
Delta R.T. -0.02 min
Lab File: BE089195.D
Acq: 9 Dec 2014 19:50

Tgt Ion: 82 Resp: 6928

Ion	Ratio	Lower	Upper
82	100		
128	48.6	37.8	56.6
54	52.3	43.0	64.4

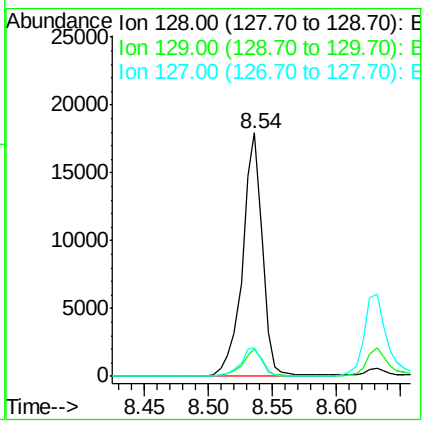




#5
Naphthalene
Concen: 1.04 ng
RT: 8.54 min Scan# 1680
Delta R.T. -0.02 min
Lab File: BE089195.D
Acq: 9 Dec 2014 19:50

Tgt Ion:128 Resp: 18882

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	12.8
127	12.0	10.3	15.5



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
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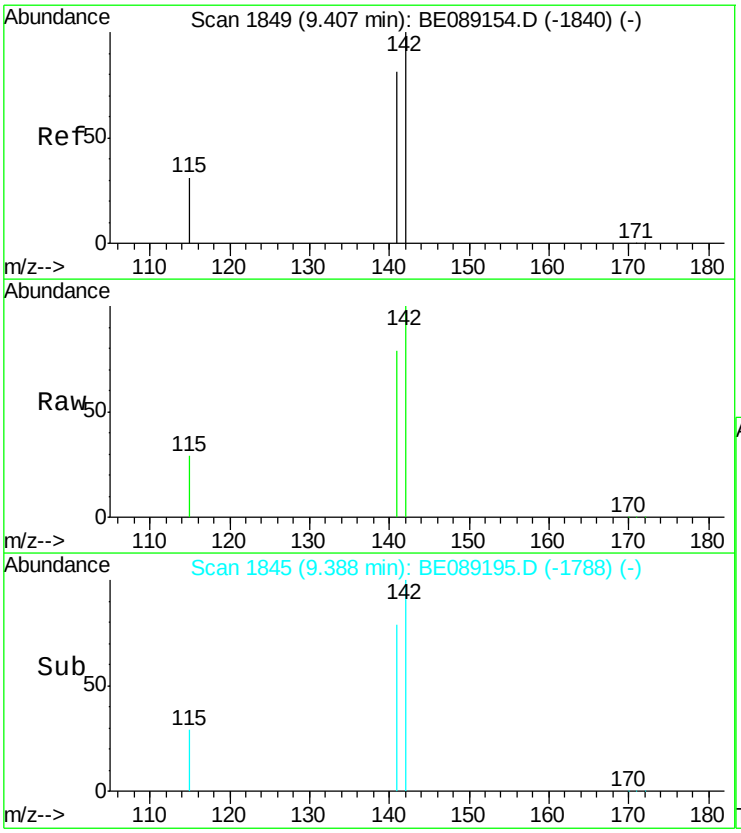
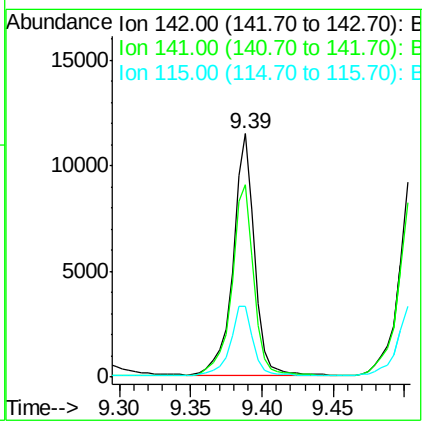
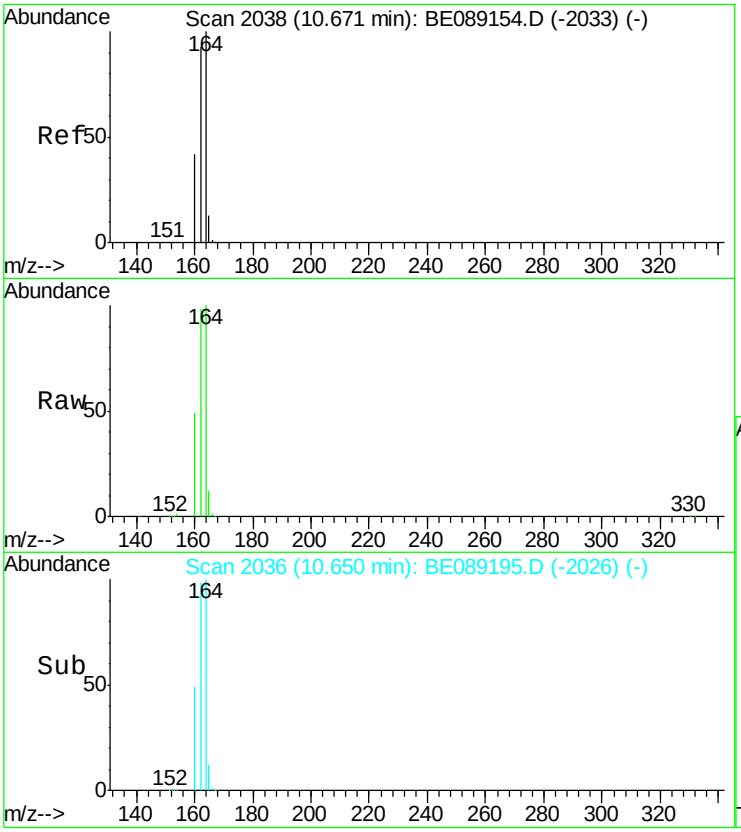


#6
2-Methylnaphthalene
Concen: 1.09 ng
RT: 9.39 min Scan# 1845
Delta R.T. -0.02 min
Lab File: BE089195.D
Acq: 9 Dec 2014 19:50

Tgt Ion:142 Resp: 12120

Ion	Ratio	Lower	Upper
142	100		
141	79.0	64.2	96.4
115	29.2	24.7	37.1

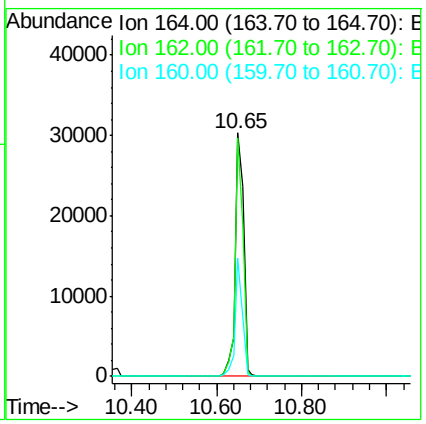




#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.65 min Scan# 2036
Delta R.T. -0.02 min
Lab File: BE089195.D
Acq: 9 Dec 2014 19:50

Tgt Ion:164 Resp: 40764

Ion	Ratio	Lower	Upper
164	100		
162	98.2	74.2	111.2
160	48.8	33.7	50.5



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
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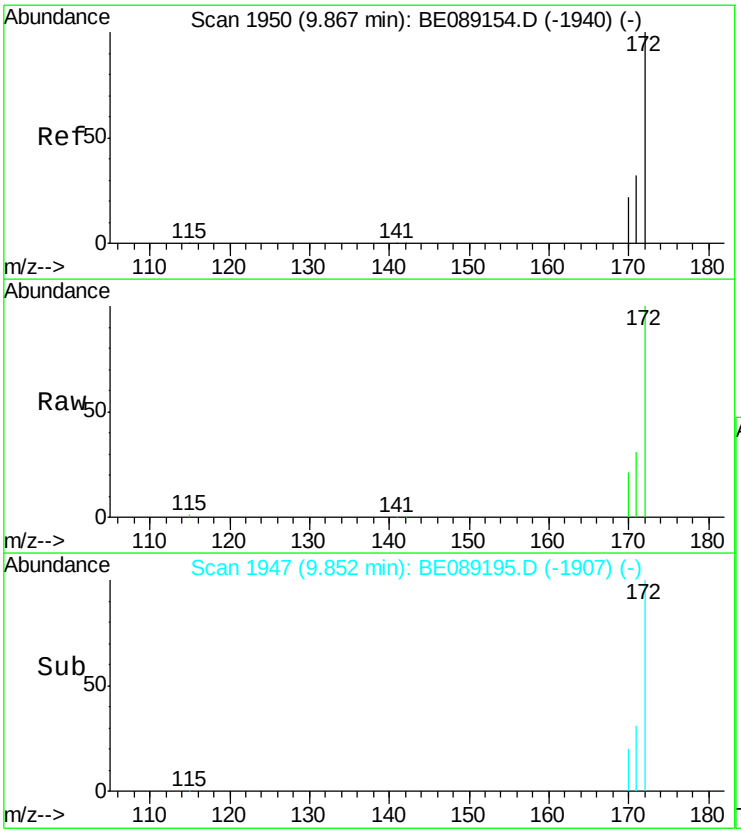
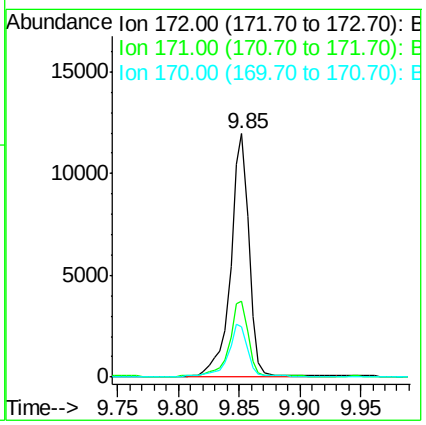
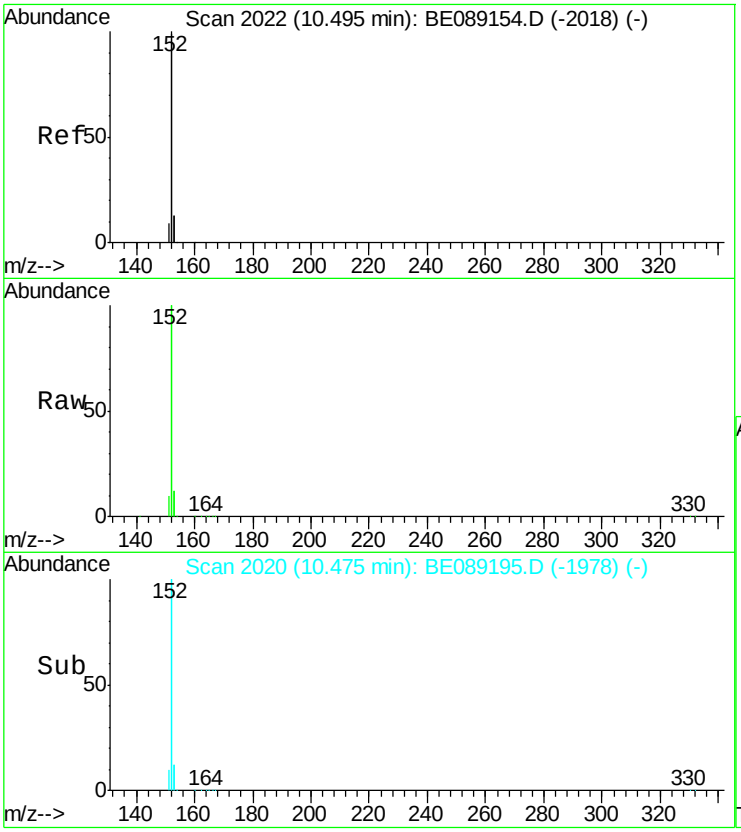


#8
2-Fluorobiphenyl
Concen: 1.09 ng
RT: 9.85 min Scan# 1947
Delta R.T. -0.01 min
Lab File: BE089195.D
Acq: 9 Dec 2014 19:50

Tgt Ion:172 Resp: 12267

Ion	Ratio	Lower	Upper
172	100		
171	31.3	26.0	39.0
170	20.7	18.0	27.0

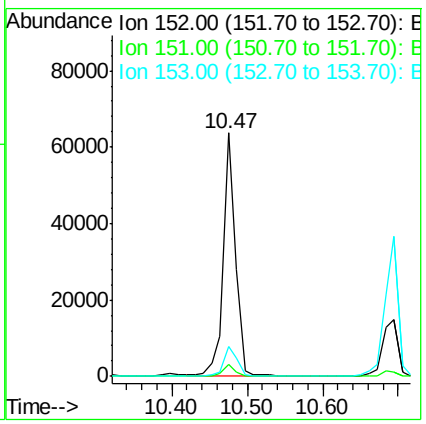




#9
Acenaphthylene
Concen: 1.10 ng
RT: 10.47 min Scan# 2020
Delta R.T. -0.02 min
Lab File: BE089195.D
Acq: 9 Dec 2014 19:50

Tgt Ion:152 Resp: 70884

Ion	Ratio	Lower	Upper
152	100		
151	4.6	3.7	5.5
153	12.9	10.4	15.6



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
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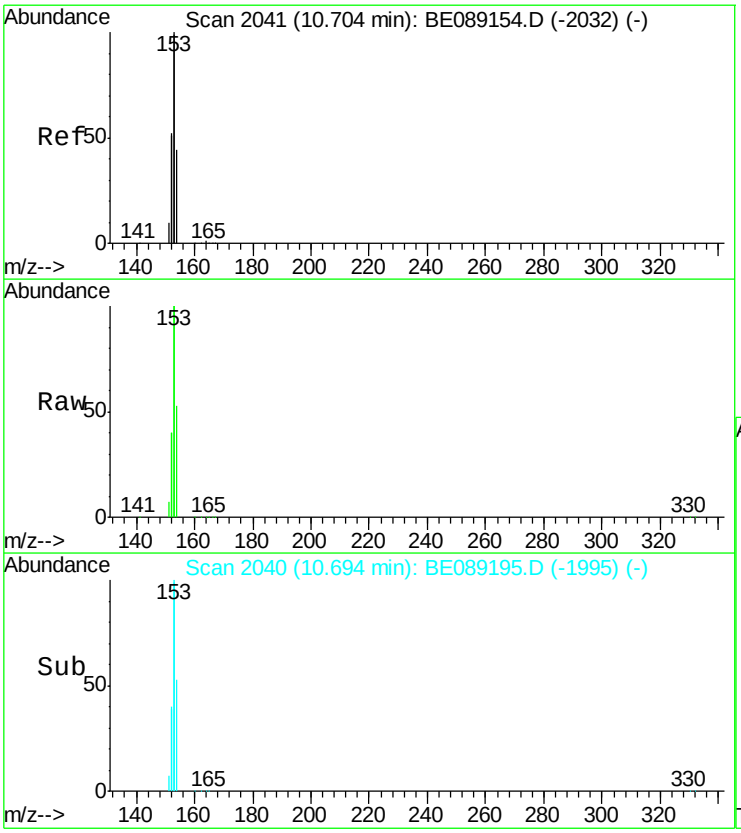
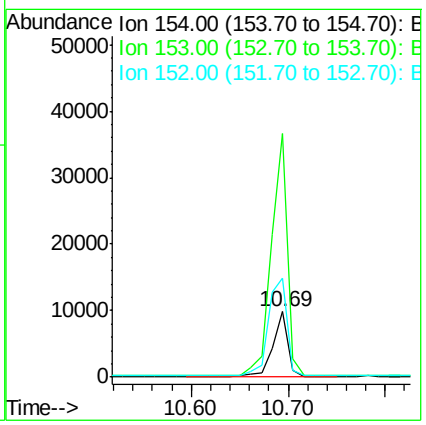
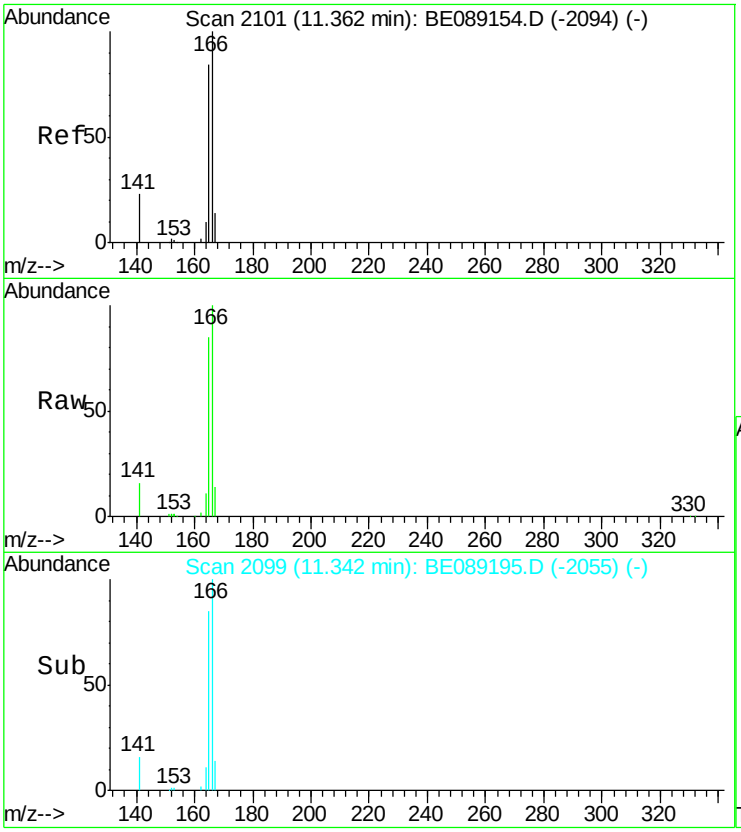


#10
Acenaphthene
Concen: 1.07 ng
RT: 10.69 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BE089195.D
Acq: 9 Dec 2014 19:50

Tgt Ion:154 Resp: 10602

Ion	Ratio	Lower	Upper
154	100		
153	403.8	325.8	488.6
152	191.0	157.4	236.0

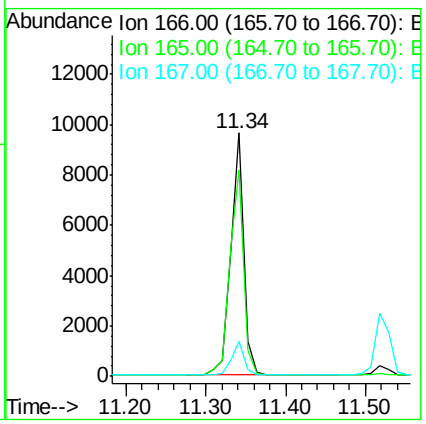




#11
Fluorene
Concen: 1.07 ng
RT: 11.34 min Scan# 2099
Delta R.T. -0.02 min
Lab File: BE089195.D
Acq: 9 Dec 2014 19:50

Tgt Ion:166 Resp: 11312

Ion	Ratio	Lower	Upper
166	100		
165	89.8	72.2	108.2
167	13.4	10.9	16.3



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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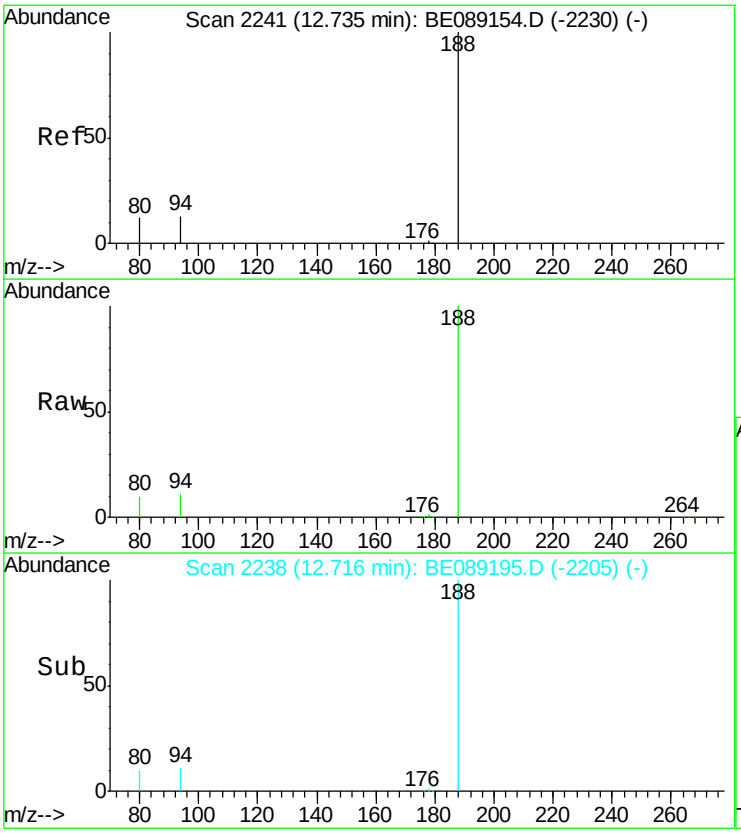
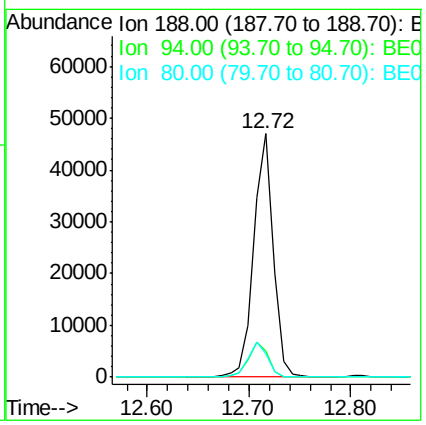
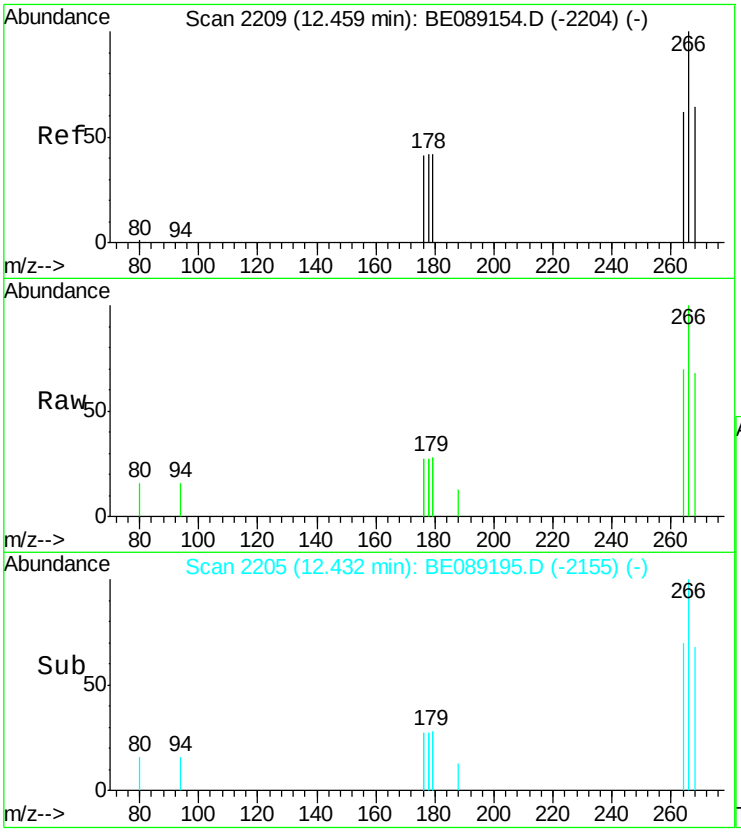


#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.72 min Scan# 2238
Delta R.T. -0.02 min
Lab File: BE089195.D
Acq: 9 Dec 2014 19:50

Tgt Ion:188 Resp: 61465

Ion	Ratio	Lower	Upper
188	100		
94	10.9	10.6	16.0
80	9.6	9.9	14.9#

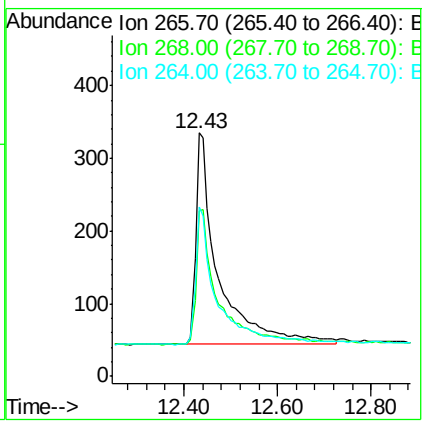




#13
Pentachlorophenol
Concen: 1.00 ng
RT: 12.43 min Scan# 2205
Delta R.T. -0.03 min
Lab File: BE089195.D
Acq: 9 Dec 2014 19:50

Tgt Ion:266 Resp: 958

Ion	Ratio	Lower	Upper
266	100		
268	67.8	56.1	84.1
264	69.6	55.1	82.7



Instrument :
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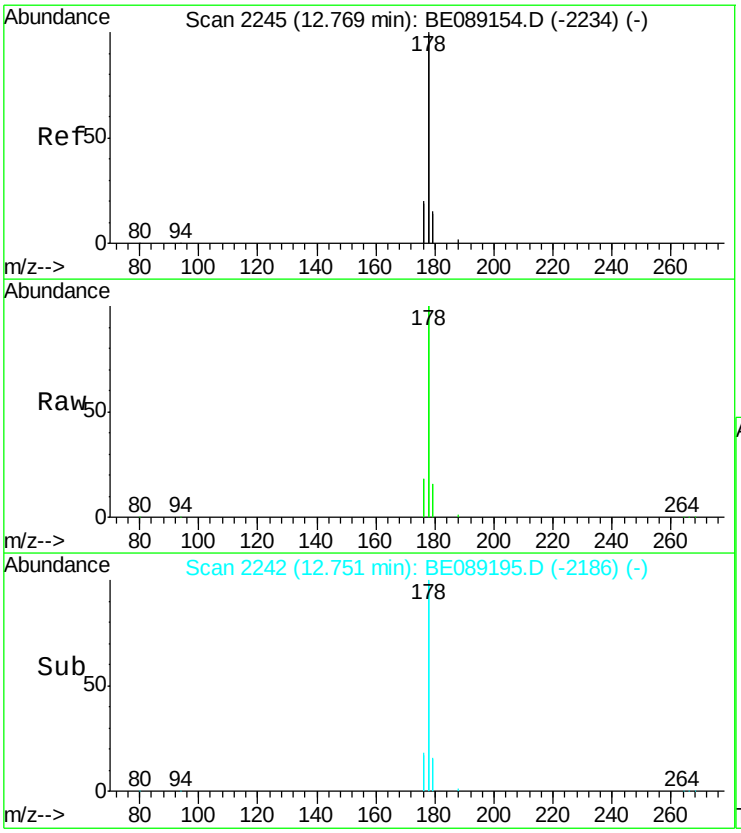
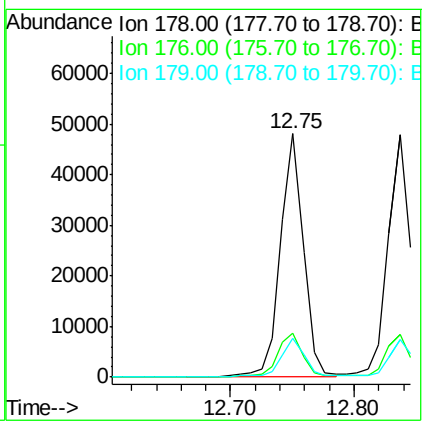
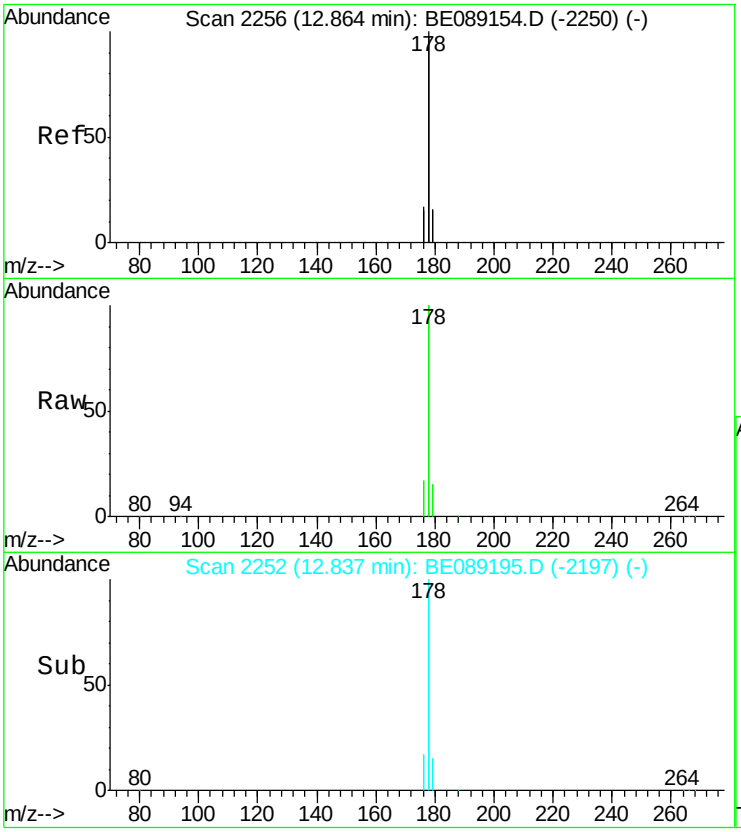


#14
Phenanthrene
Concen: 1.06 ng
RT: 12.75 min Scan# 2242
Delta R.T. -0.02 min
Lab File: BE089195.D
Acq: 9 Dec 2014 19:50

Tgt Ion:178 Resp: 61763

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.4	12.2	18.4

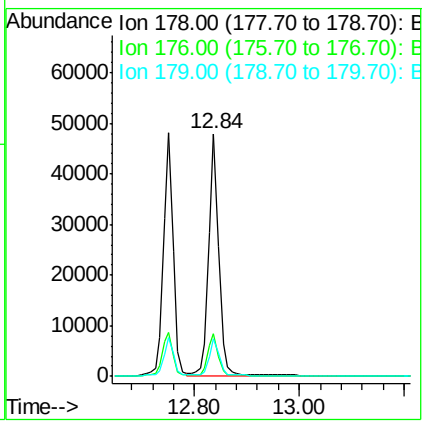




#15
Anthracene
Concen: 1.07 ng
RT: 12.84 min Scan# 2252
Delta R.T. -0.03 min
Lab File: BE089195.D
Acq: 9 Dec 2014 19:50

Tgt Ion:178 Resp: 61977

Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.2	21.2
179	15.1	12.1	18.1



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
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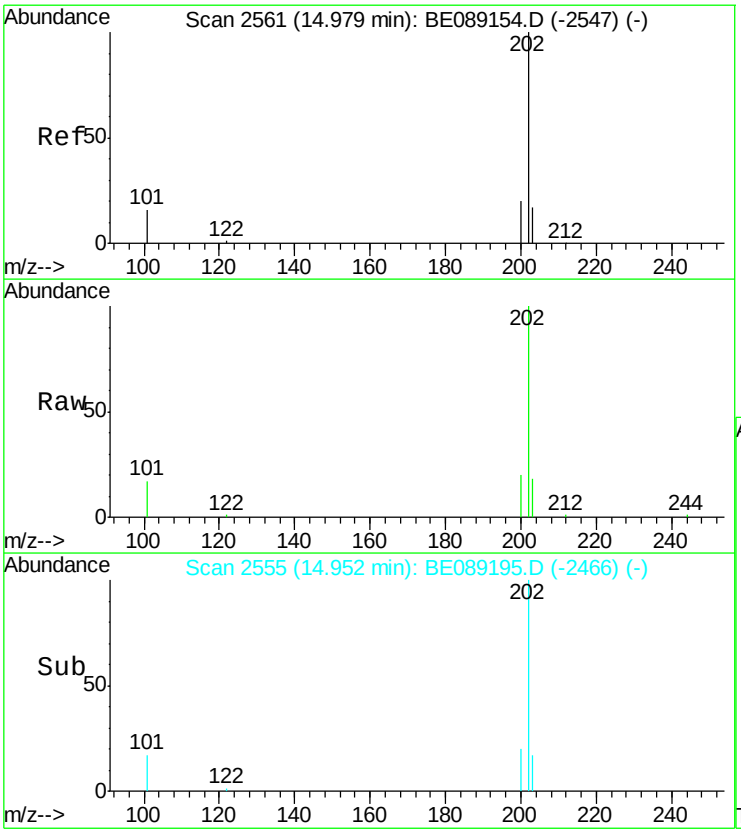
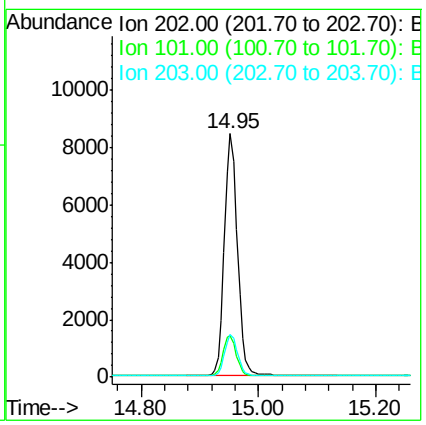
12/10/2014 4:31:53 PM

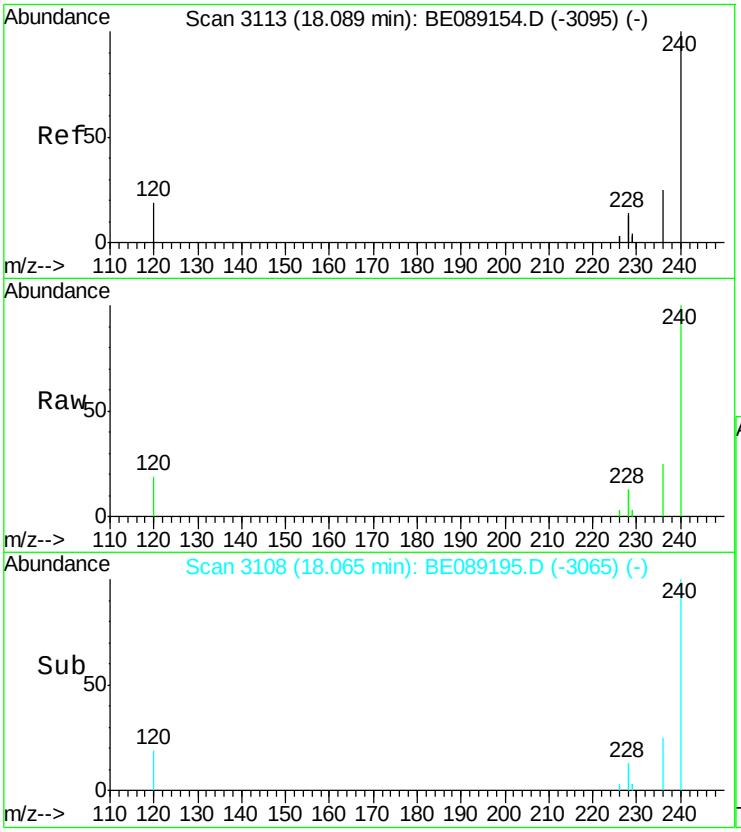


#16
Fluoranthene
Concen: 1.04 ng
RT: 14.95 min Scan# 2555
Delta R.T. -0.03 min
Lab File: BE089195.D
Acq: 9 Dec 2014 19:50

Tgt Ion:202 Resp: 13090

Ion	Ratio	Lower	Upper
202	100		
101	16.8	13.3	19.9
203	17.1	13.7	20.5

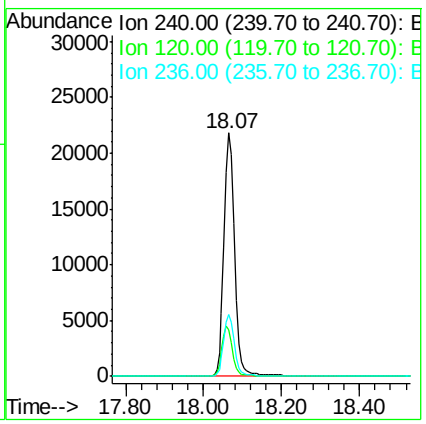




#17
Chrysene-d12
Concen: 5.00 ng
RT: 18.07 min Scan# 3108
Delta R.T. -0.02 min
Lab File: BE089195.D
Acq: 9 Dec 2014 19:50

Tgt Ion:240 Resp: 41368

Ion	Ratio	Lower	Upper
240	100		
120	19.3	15.5	23.3
236	25.2	20.3	30.5



Instrument :
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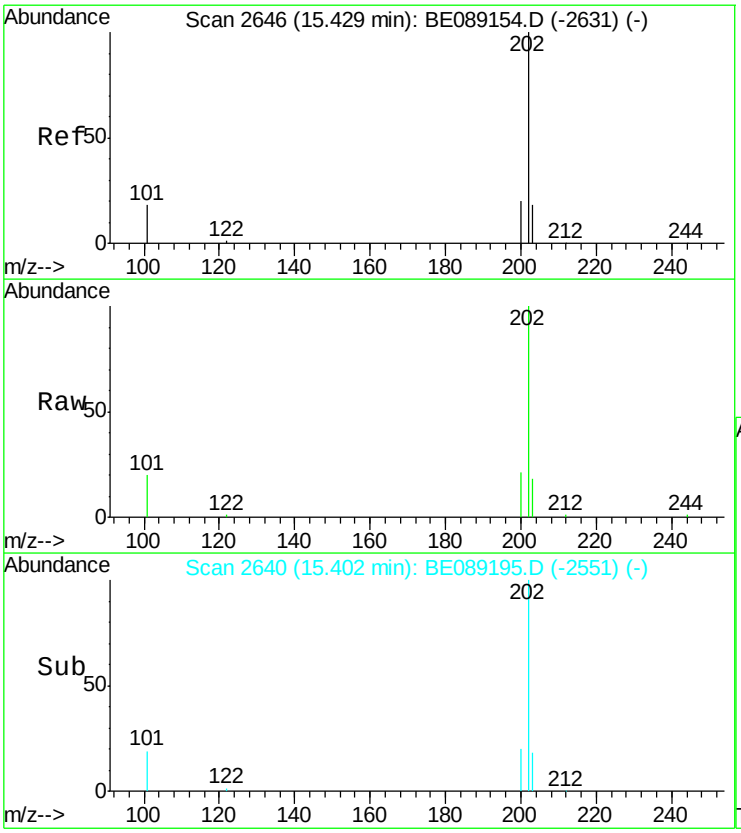
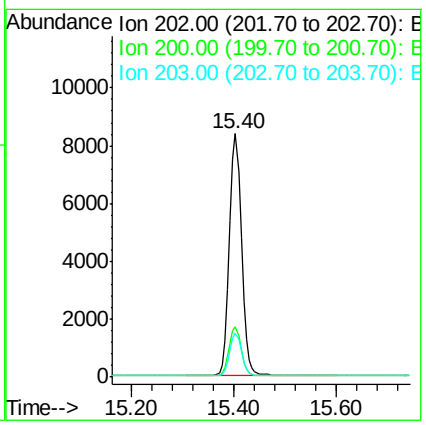
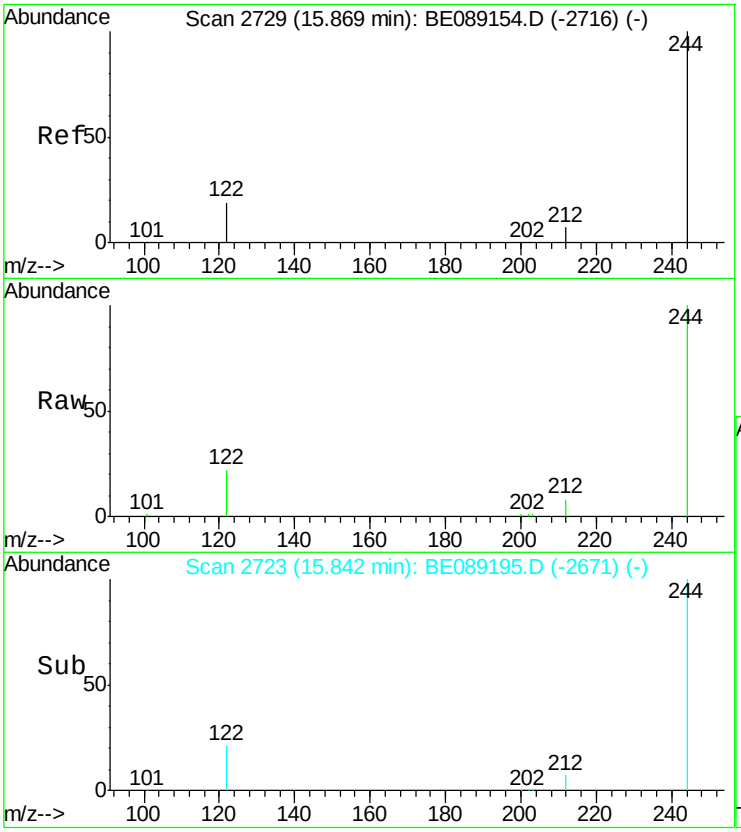


#18
Pyrene
Concen: 1.08 ng
RT: 15.40 min Scan# 2640
Delta R.T. -0.03 min
Lab File: BE089195.D
Acq: 9 Dec 2014 19:50

Tgt Ion:202 Resp: 13746

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.2	24.2
203	17.4	14.0	21.0

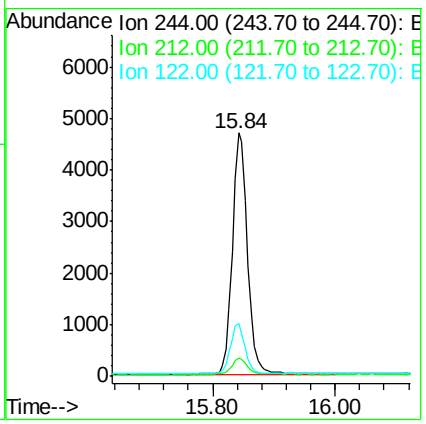




#19
Terphenyl-d14
Concen: 1.09 ng
RT: 15.84 min Scan# 2723
Delta R.T. -0.03 min
Lab File: BE089195.D
Acq: 9 Dec 2014 19:50

Tgt Ion:244 Resp: 8056

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.2
122	21.8	16.2	24.2



Instrument :
BNA_E
ClientSampleId :
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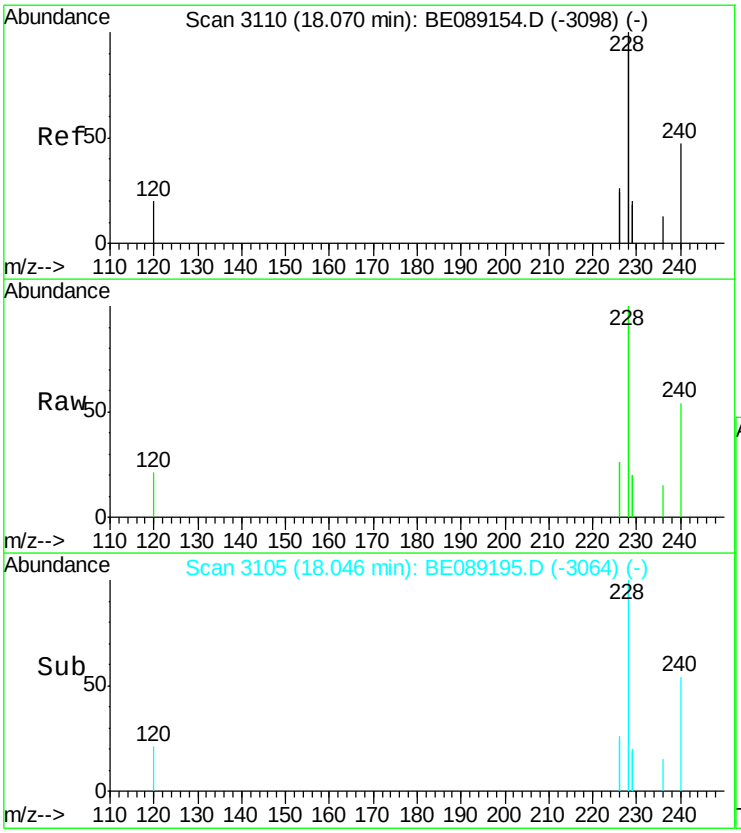
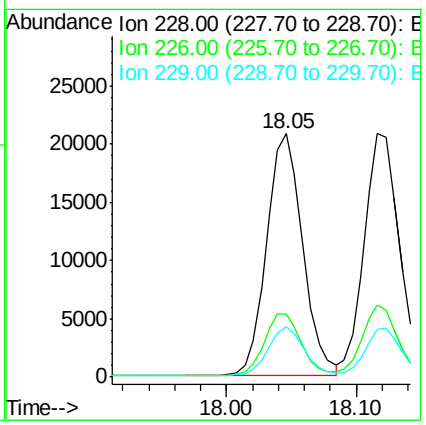
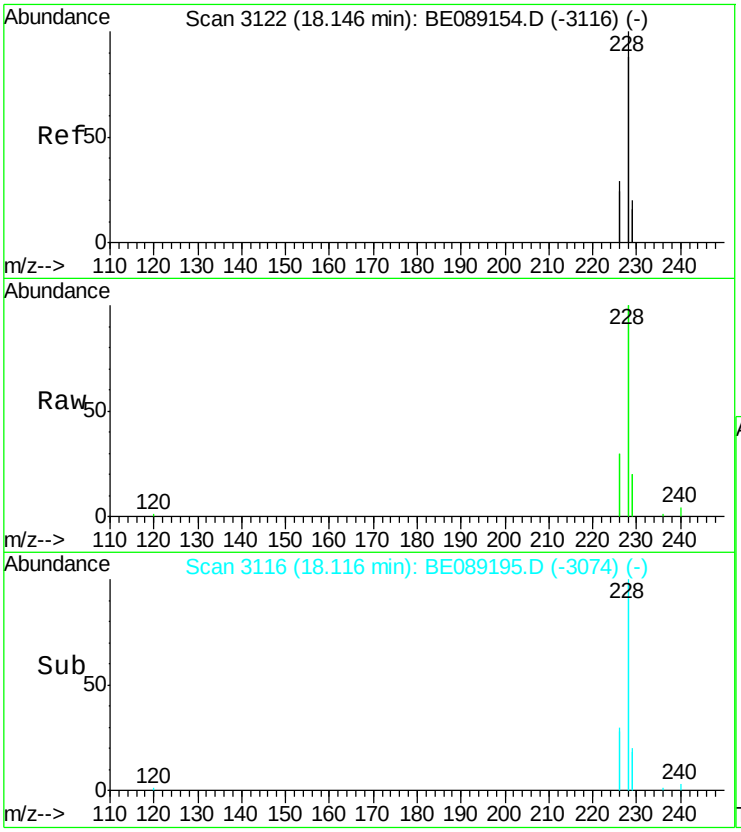


#20
Benzo(a)anthracene
Concen: 1.04 ng
RT: 18.05 min Scan# 3105
Delta R.T. -0.02 min
Lab File: BE089195.D
Acq: 9 Dec 2014 19:50

Tgt Ion:228 Resp: 40029

Ion	Ratio	Lower	Upper
228	100		
226	26.0	21.0	31.4
229	20.5	16.0	24.0

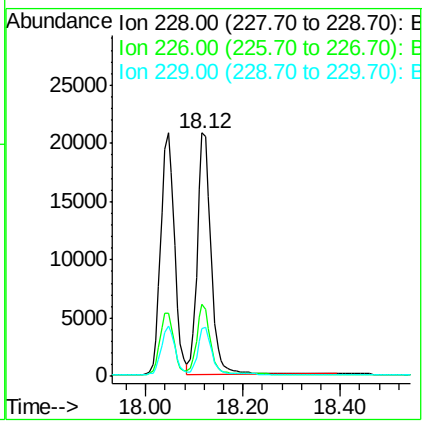




#21
Chrysene
Concen: 1.05 ng
RT: 18.12 min Scan# 3116
Delta R.T. -0.03 min
Lab File: BE089195.D
Acq: 9 Dec 2014 19:50

Tgt Ion:228 Resp: 40519

Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.8	34.2
229	19.6	16.2	24.4



Instrument :
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ClientSampleId :
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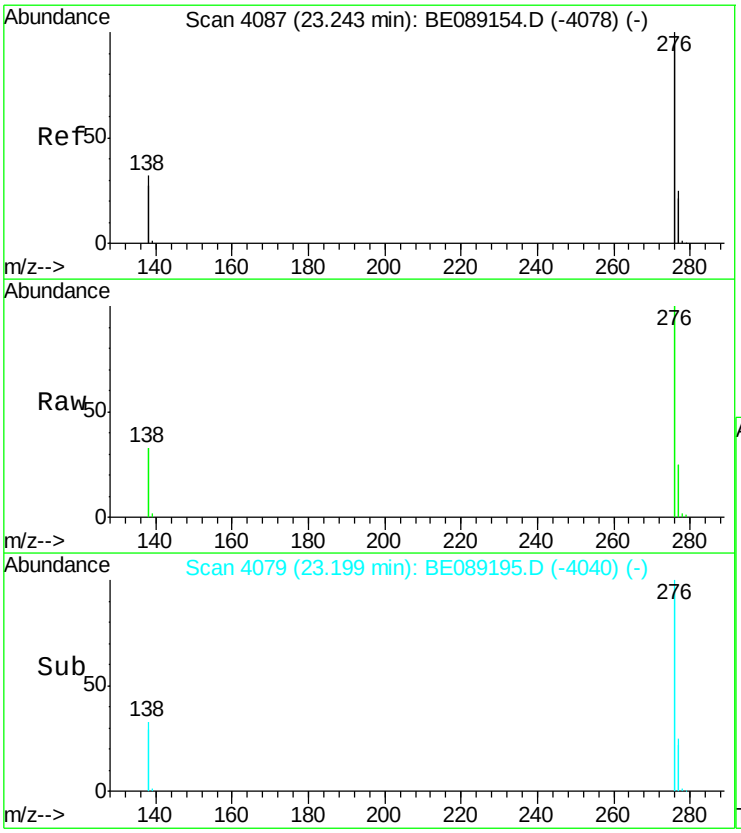
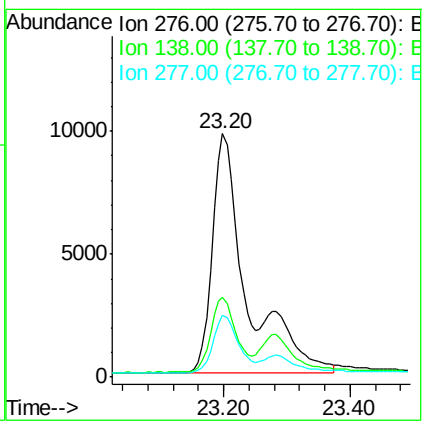
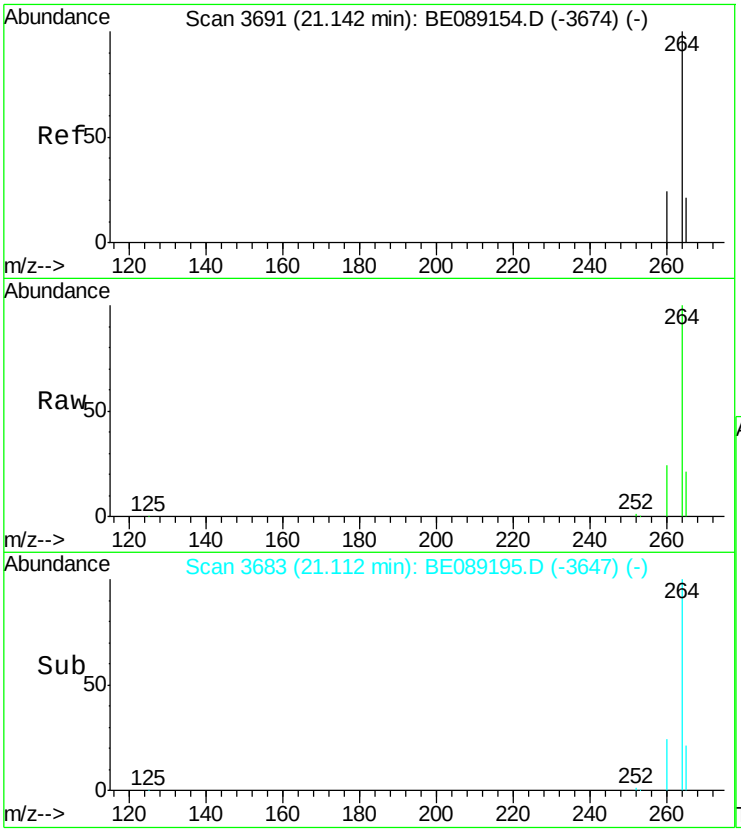


#22
Indeno(1,2,3-cd)pyrene
Concen: 1.09 ng m
RT: 23.20 min Scan# 4079
Delta R.T. -0.04 min
Lab File: BE089195.D
Acq: 9 Dec 2014 19:50

Tgt Ion:276 Resp: 37025

Ion	Ratio	Lower	Upper
276	100		
138	23.0	17.8	26.8
277	17.6	14.1	21.1





#23
Perylene-d12
Concen: 5.00 ng
RT: 21.11 min Scan# 3683
Delta R.T. -0.03 min
Lab File: BE089195.D
Acq: 9 Dec 2014 19:50

Instrument :
BNA_E
ClientSampleId :
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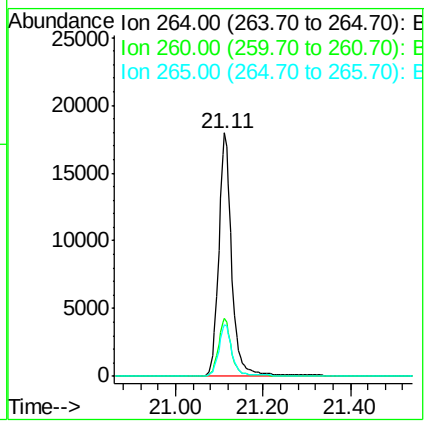
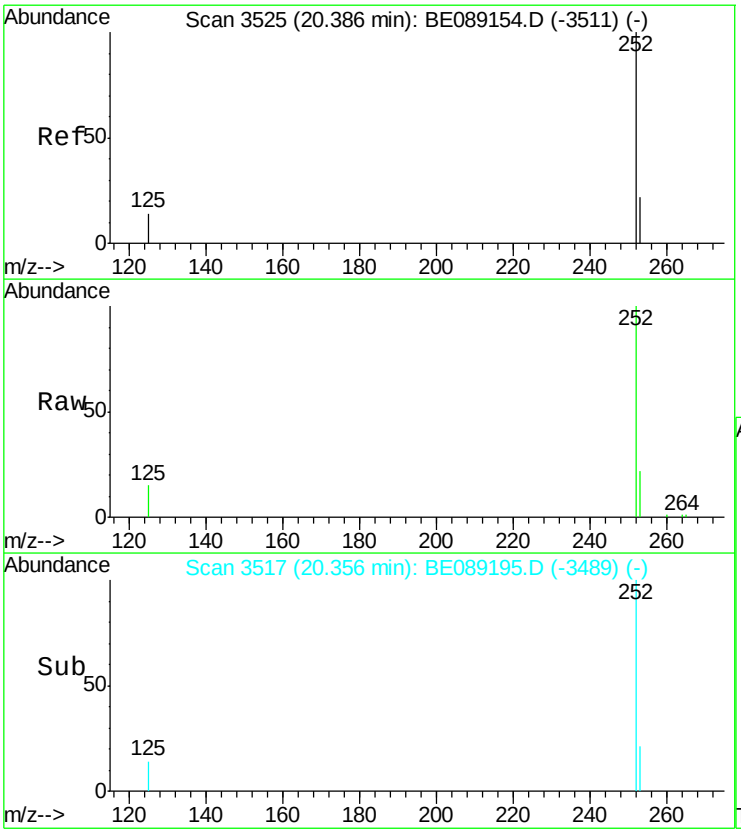
Tgt Ion:264 Resp: 36730

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.4	17.2	25.8

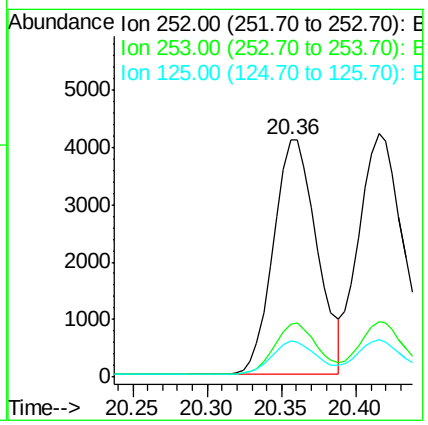


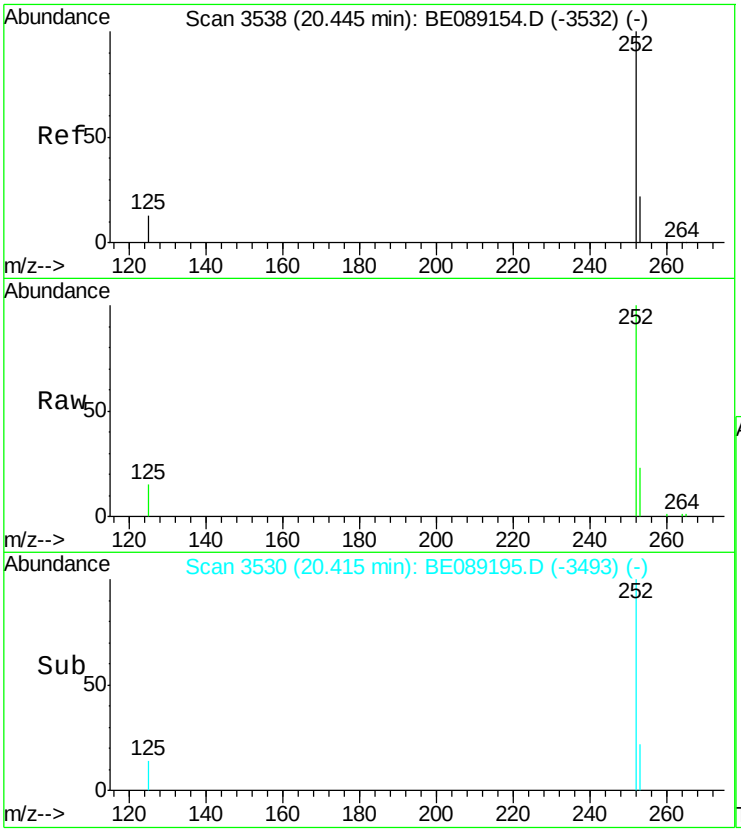


#24
Benzo(b)fluoranthene
Concen: 1.08 ng
RT: 20.36 min Scan# 3517
Delta R.T. -0.03 min
Lab File: BE089195.D
Acq: 9 Dec 2014 19:50

Tgt Ion:252 Resp: 8348

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0
125	15.3	12.2	18.2

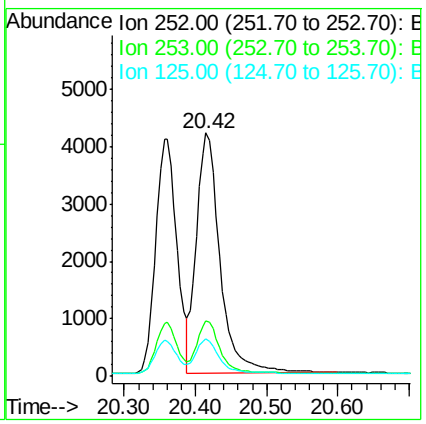




#25
Benzo(k)fluoranthene
Concen: 1.04 ng
RT: 20.42 min Scan# 3530
Delta R.T. -0.03 min
Lab File: BE089195.D
Acq: 9 Dec 2014 19:50

Tgt Ion:252 Resp: 9532

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	15.4	11.9	17.9



Instrument :
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ClientSampleId :
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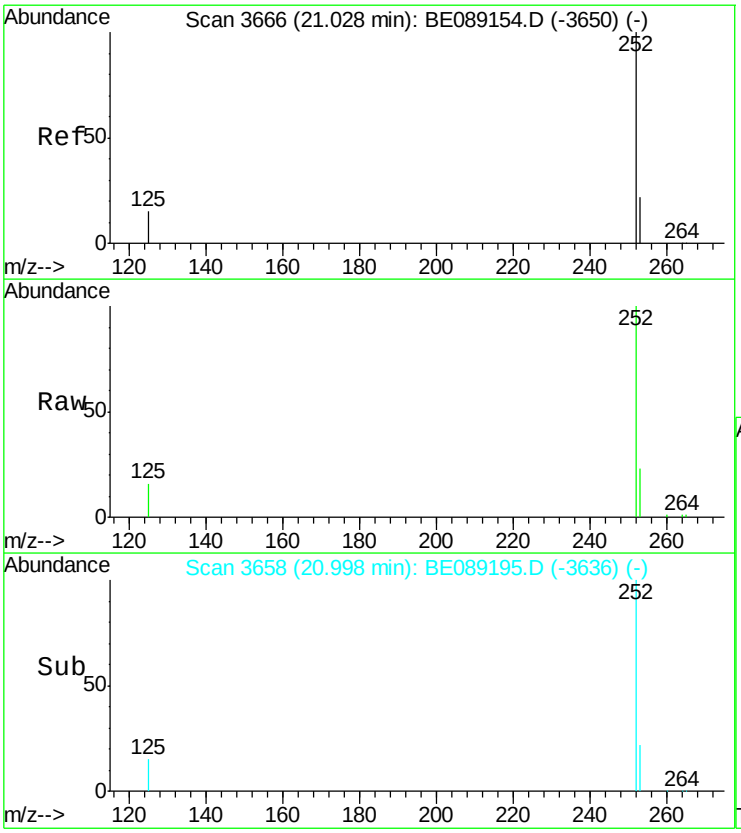
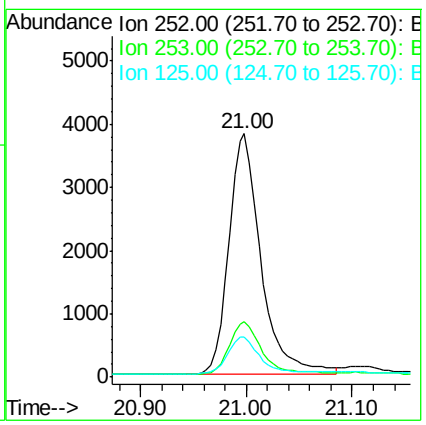
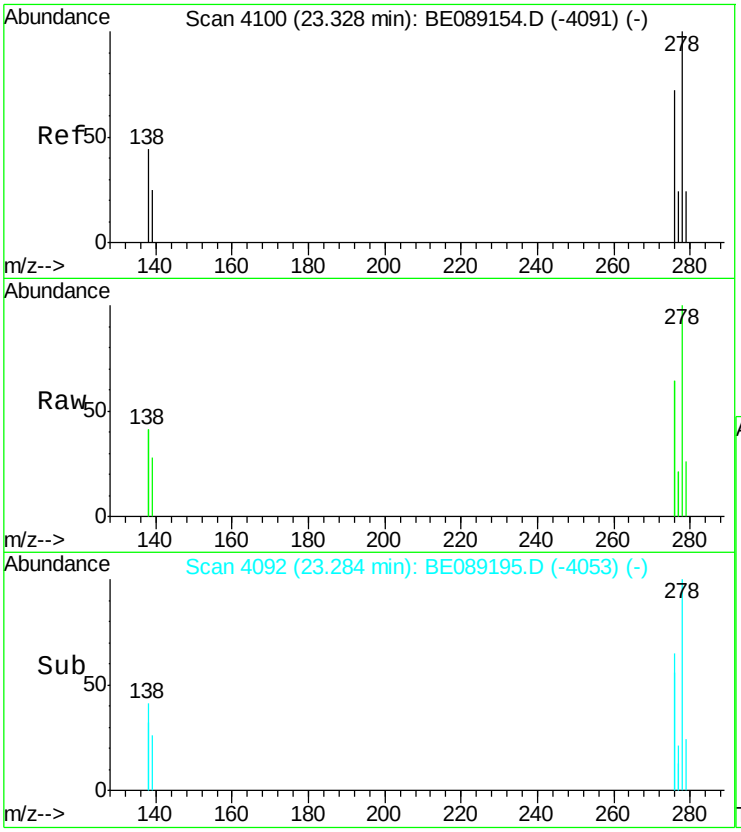


#26
Benzo(a)pyrene
Concen: 1.06 ng
RT: 21.00 min Scan# 3658
Delta R.T. -0.03 min
Lab File: BE089195.D
Acq: 9 Dec 2014 19:50

Tgt Ion:252 Resp: 8001

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.6	27.8
125	16.2	13.4	20.0

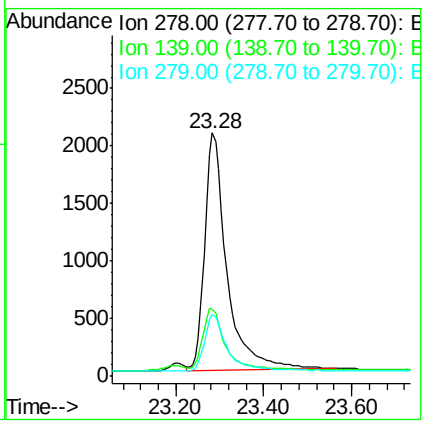




#27
Dibenzo(a,h)anthracene
Concen: 1.10 ng
RT: 23.28 min Scan# 4092
Delta R.T. -0.04 min
Lab File: BE089195.D
Acq: 9 Dec 2014 19:50

Tgt Ion:278 Resp: 7212

Ion	Ratio	Lower	Upper
278	100		
139	27.8	22.0	33.0
279	25.5	20.6	31.0



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

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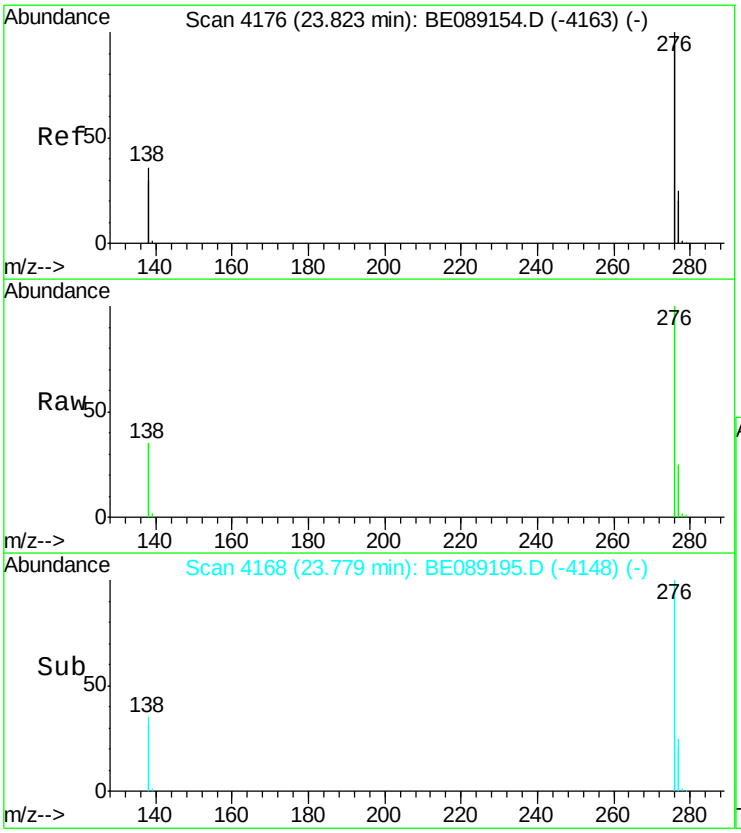

#28
Benzo(g,h,i)perylene
Concen: 1.06 ng
RT: 23.78 min Scan# 4168
Delta R.T. -0.04 min
Lab File: BE089195.D
Acq: 9 Dec 2014 19:50

Tgt Ion:276 Resp: 33207

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.9	29.9
138	35.2	28.7	43.1