Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
Data File : BE089337.D
Acq On : 7 Jan 2015 20:26
Operator : TP/IZ
Sample : SSTDICC0.2
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDICC0.2

Manual Integrations APPROVED
TEJASKUMAR
1/9/2015 5:21:28 PM

Quant Time: Jan 08 05:43:36 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BASE-BE010715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 08 05:21:18 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	17848	5.00	ng		0.00
2) Naphthalene-d8	8.51	136	69574	5.00	ng		0.00
6) Acenaphthene-d10	10.65	164	32884	5.00	ng		0.00
11) Phenanthrene-d10	12.72	188	50562	5.00	ng		0.00
15) Chrysene-d12	18.07	240	35276	5.00	ng		0.00
21) Perylene-d12	21.12	264	31561	5.00	ng		0.00
System Monitoring Compounds							
3) Nitrobenzene-d5	7.65	82	955	0.22	ng		0.00
7) 2-Fluorobiphenyl	9.85	172	1947	0.23	ng		0.00
17) Terphenyl-d14	15.85	244	1360	0.26	ng		0.00
Target Compounds							Qvalue
4) Naphthalene	8.53	128	3384	0.24	ng		97
5) 2-Methylnaphthalene	9.39	142	2099	0.25	ng		98
8) Acenaphthylene	10.47	152	11650	0.25	ng		97
9) Acenaphthene	10.69	154	1915	0.26	ng		93
10) Fluorene	11.34	166	2005	0.25	ng		99
12) Phenanthrene	12.75	178	11383	0.24	ng		97
13) Anthracene	12.84	178	10402	0.24	ng		96
14) Fluoranthene	14.96	202	2377	0.24	ng		96
16) Pyrene	15.41	202	2477	0.29	ng		96
18) Benzo(a)anthracene	18.05	228	7621	0.26	ng		95
19) Chrysene	18.12	228	7590	0.25	ng		94
20) Indeno(1,2,3-cd)pyrene	23.22	276	6560m	0.23	ng		
22) Benzo(b)fluoranthene	20.37	252	1315	0.21	ng	#	87
23) Benzo(k)fluoranthene	20.43	252	1762	0.22	ng	#	89
24) Benzo(a)pyrene	21.01	252	1307	0.22	ng	#	88
25) Dibenzo(a,h)anthracene	23.31	278	1140	0.18	ng	#	79
26) Benzo(g,h,i)perylene	23.82	276	6296	0.22	ng	#	86

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
Data File : BE089337.D
Acq On : 7 Jan 2015 20:26
Operator : TP/IZ
Sample : SSTDICC0.2
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 08 05:43:36 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BASE-BE010715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 08 05:21:18 2015
Response via : Initial Calibration

Instrument :
BNA_E
LabSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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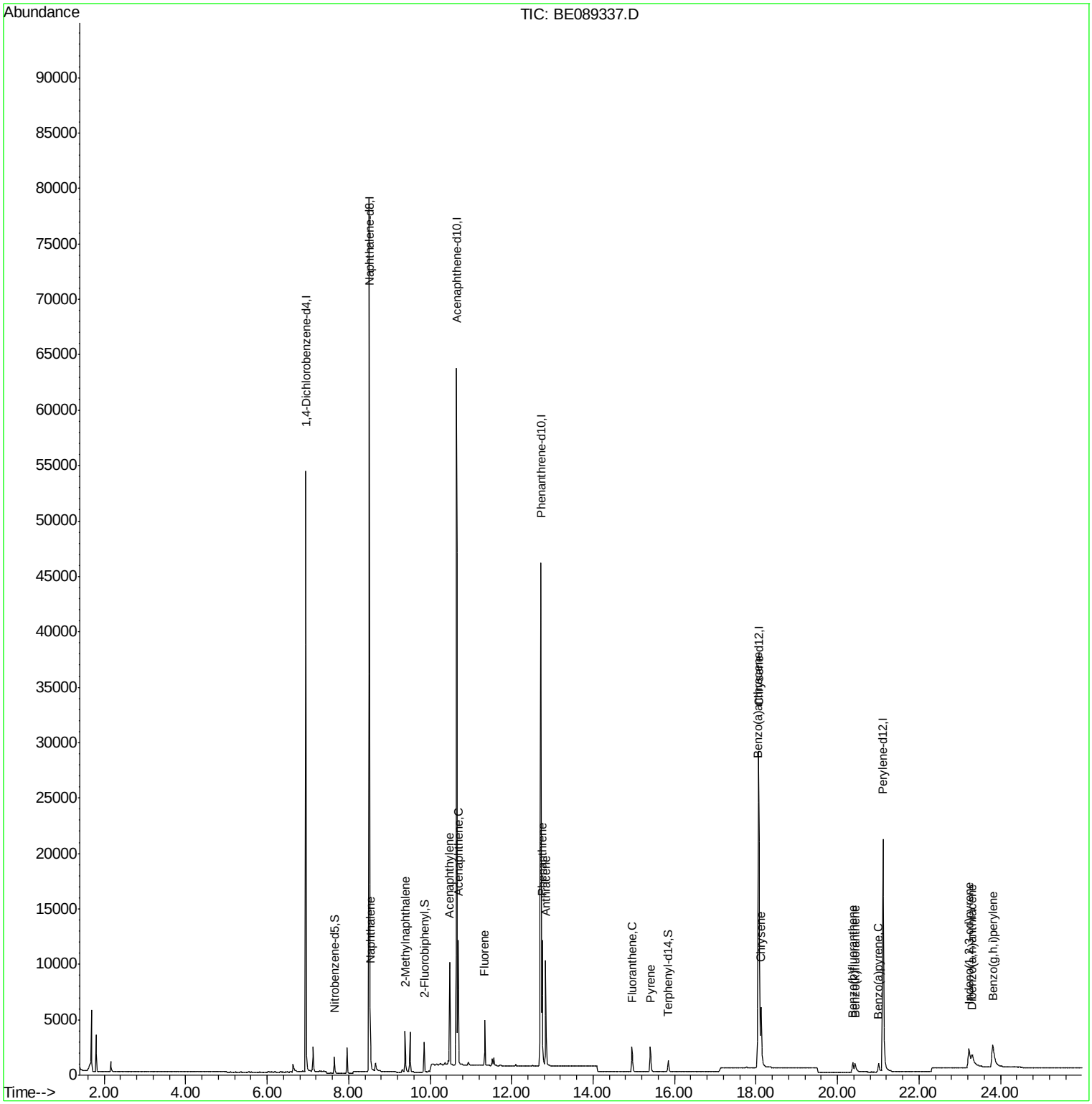
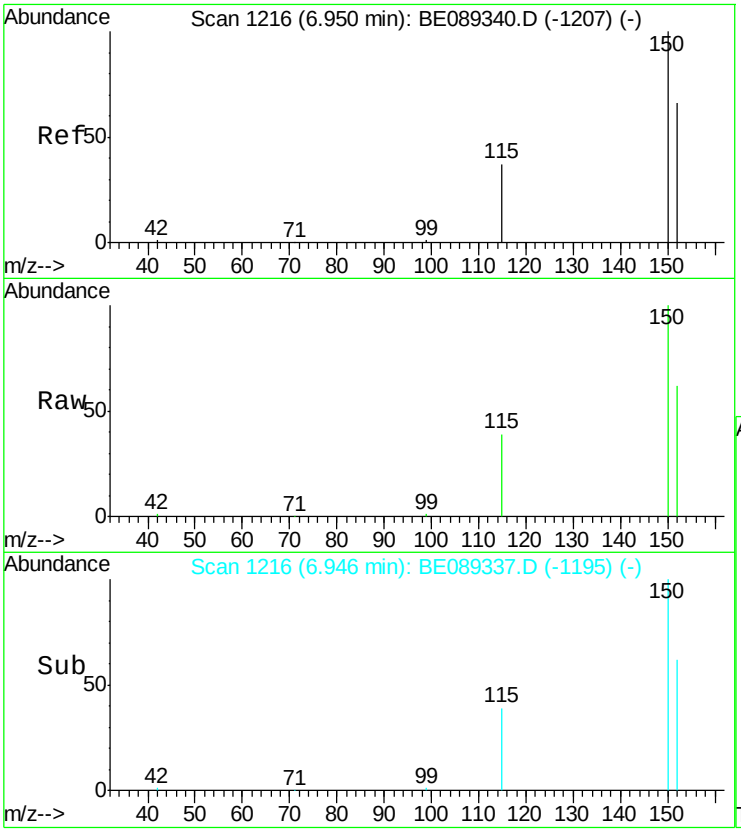
1/9/2015 5:21:28 PM

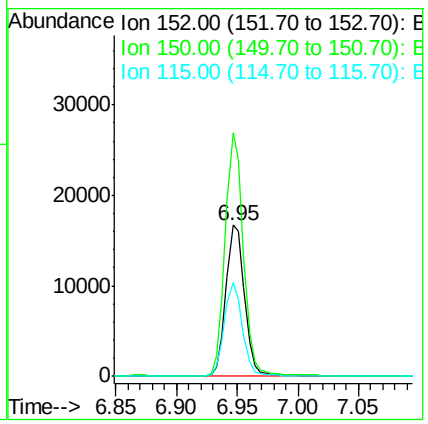




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 6.95 min Scan# 1216
Delta R.T. -0.00 min
Lab File: BE089337.D
Acq: 7 Jan 2015 20:26

Tgt Ion:152 Resp: 17848

Ion	Ratio	Lower	Upper
152	100		
150	161.2	121.5	182.3
115	62.4	45.2	67.8



Instrument :
BNA_E
LabSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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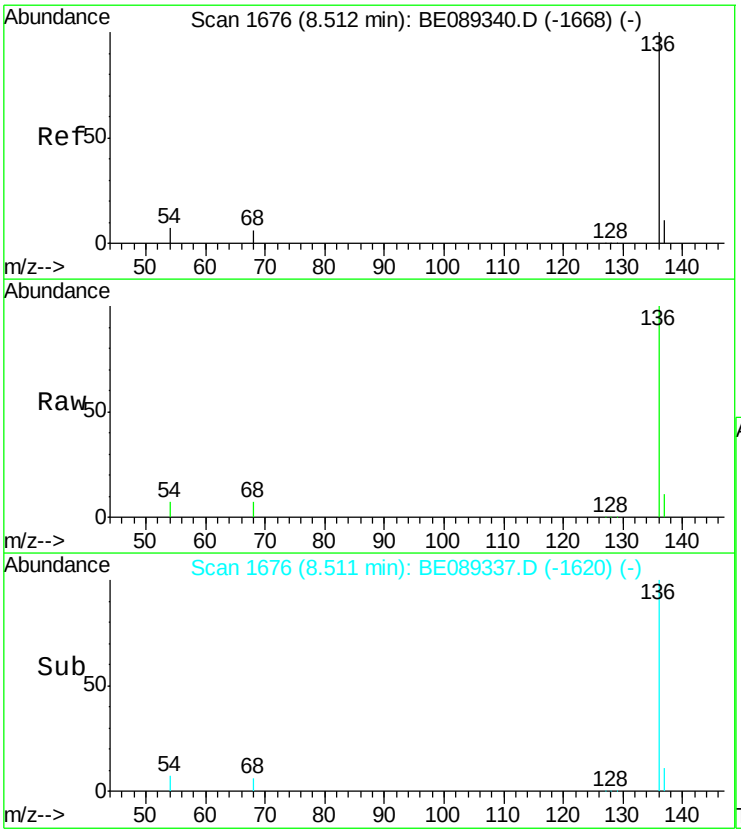
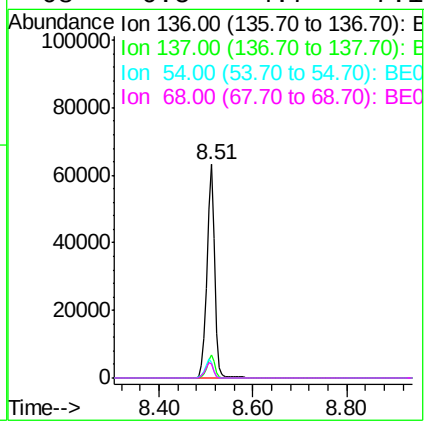
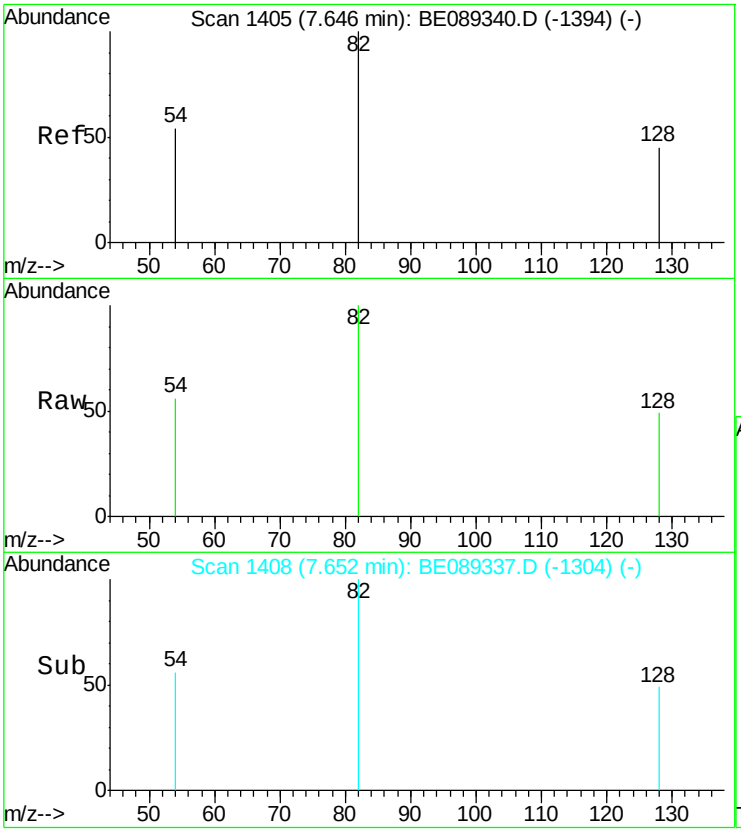


#2
Naphthalene-d8
Concen: 5.00 ng
RT: 8.51 min Scan# 1676
Delta R.T. -0.00 min
Lab File: BE089337.D
Acq: 7 Jan 2015 20:26

Tgt Ion:136 Resp: 69574

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	7.3	5.4	8.0
68	6.5	4.7	7.1

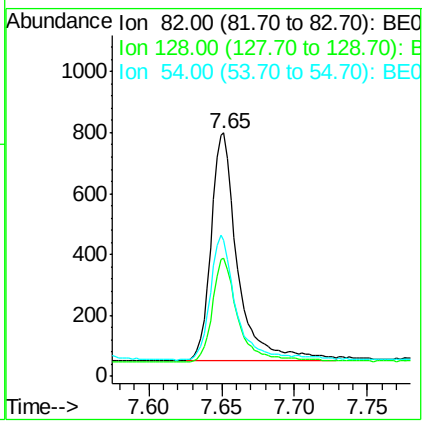




#3
Nitrobenzene-d5
Concen: 0.22 ng
RT: 7.65 min Scan# 1408
Delta R.T. 0.01 min
Lab File: BE089337.D
Acq: 7 Jan 2015 20:26

Tgt Ion: 82 Resp: 955

Ion	Ratio	Lower	Upper
82	100		
128	48.8	36.5	54.7
54	55.7	43.5	65.3



Instrument :
BNA_E
LabSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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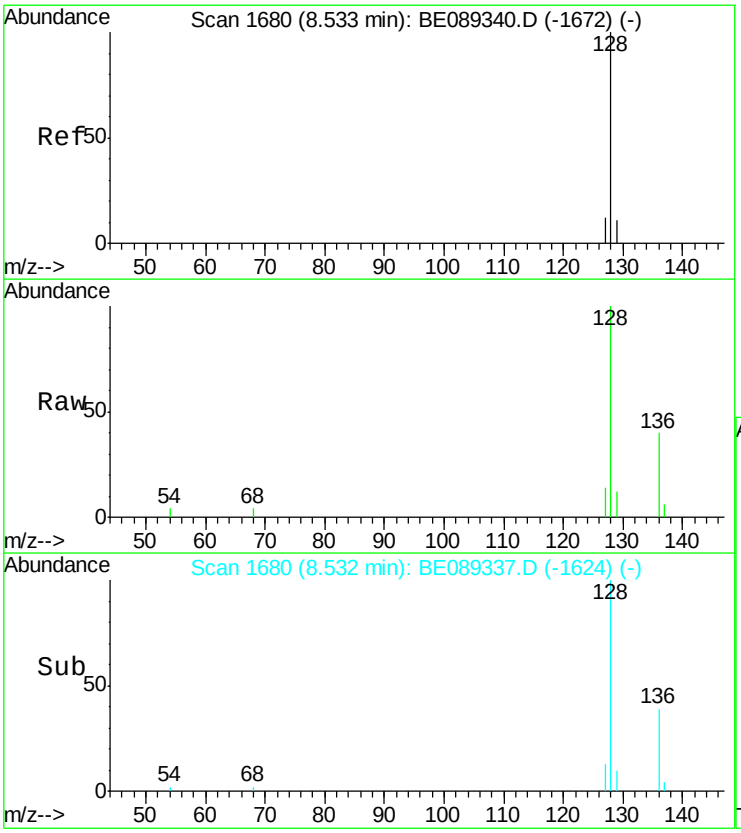
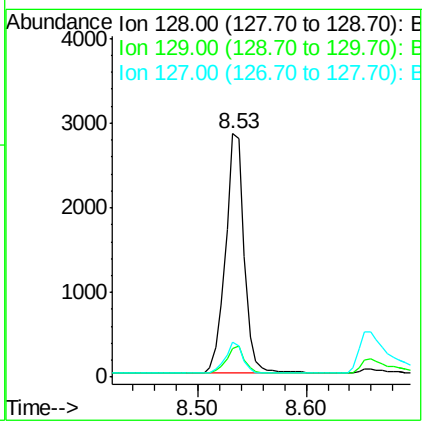
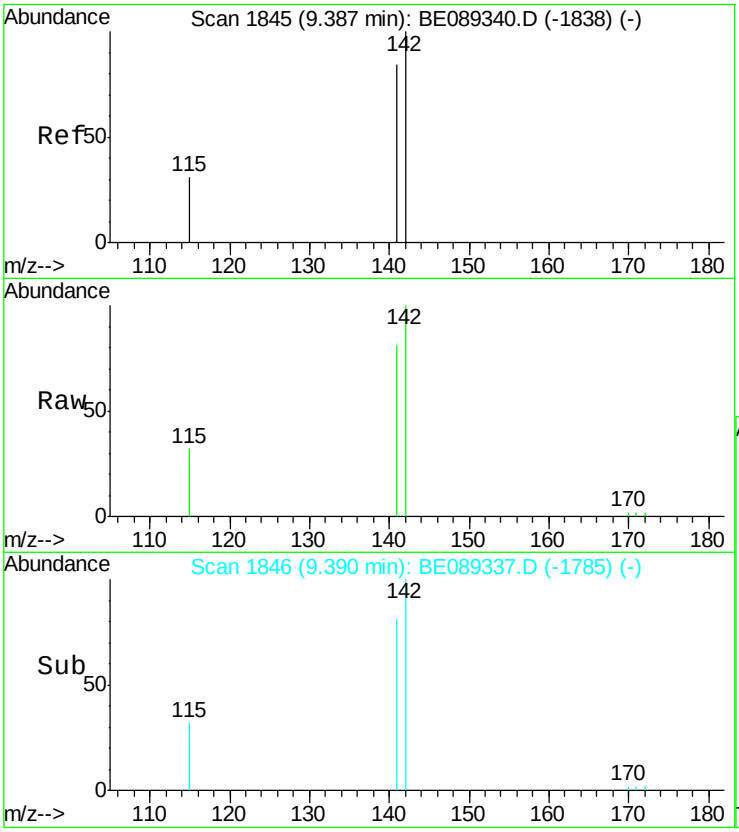


#4
Naphthalene
Concen: 0.24 ng
RT: 8.53 min Scan# 1680
Delta R.T. -0.00 min
Lab File: BE089337.D
Acq: 7 Jan 2015 20:26

Tgt Ion:128 Resp: 3384

Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.8	13.2
127	14.2	10.0	15.0

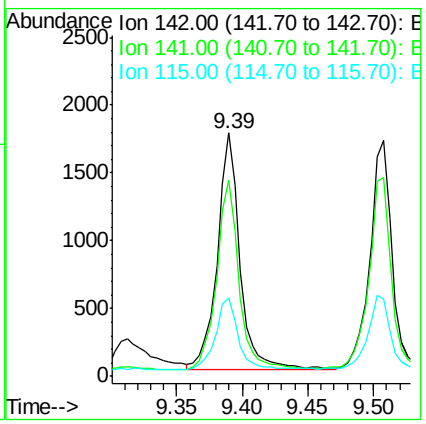




#5
2-Methylnaphthalene
Concen: 0.25 ng
RT: 9.39 min Scan# 1846
Delta R.T. 0.00 min
Lab File: BE089337.D
Acq: 7 Jan 2015 20:26

Tgt Ion:142 Resp: 2099

Ion	Ratio	Lower	Upper
142	100		
141	80.8	66.3	99.5
115	32.3	25.2	37.8



Instrument :
BNA_E
LabSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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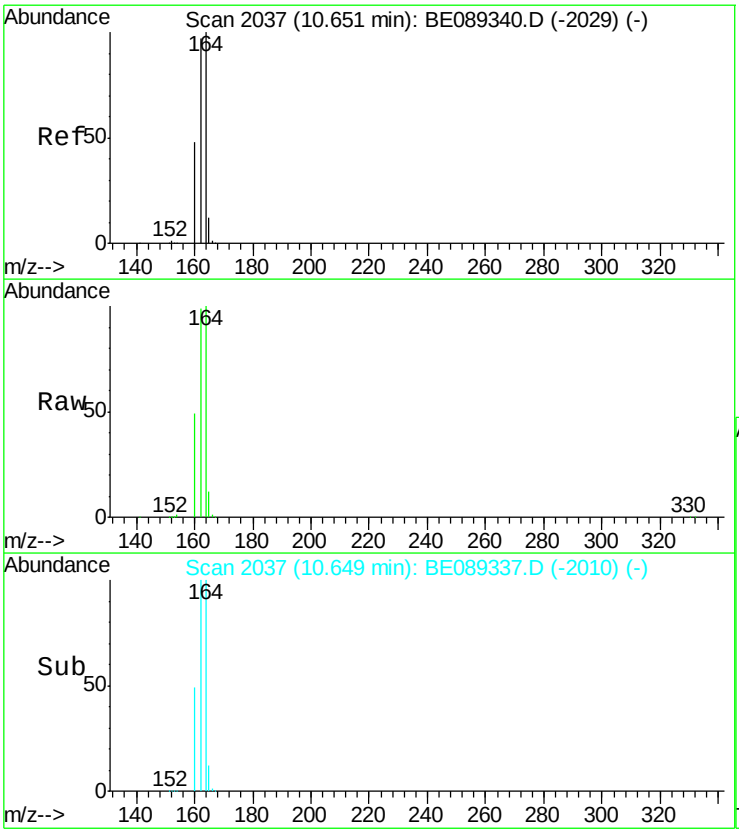
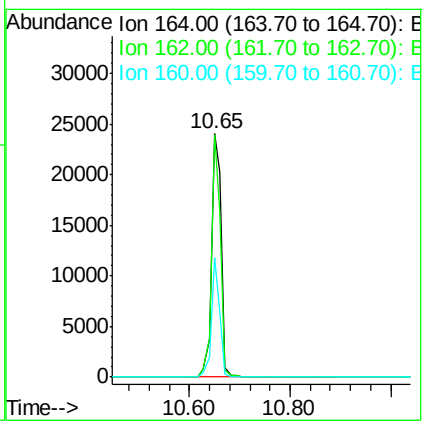
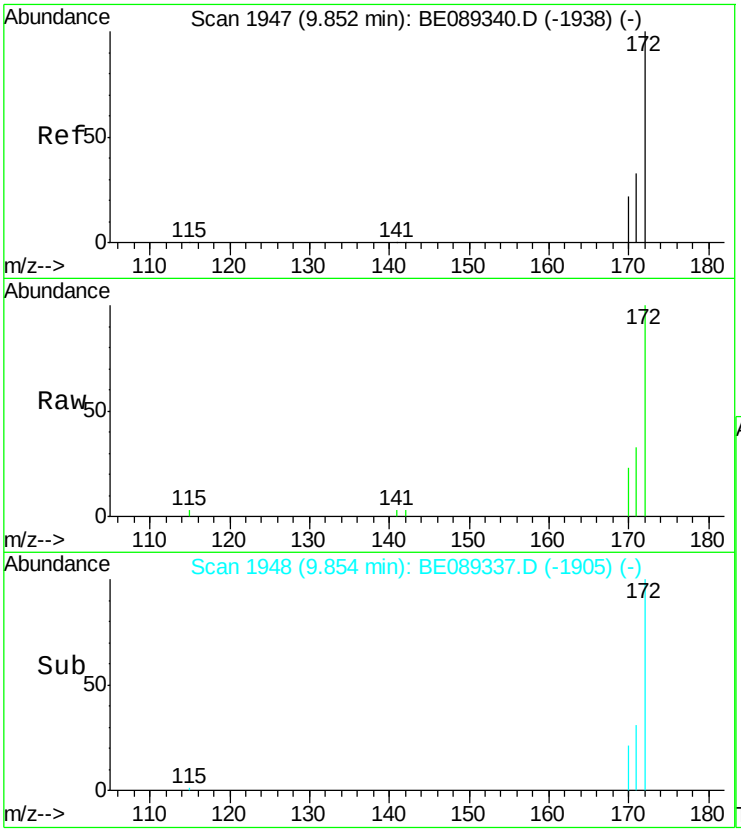


#6
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.65 min Scan# 2037
Delta R.T. -0.00 min
Lab File: BE089337.D
Acq: 7 Jan 2015 20:26

Tgt Ion:164 Resp: 32884

Ion	Ratio	Lower	Upper
164	100		
162	99.5	77.4	116.2
160	49.1	38.2	57.4

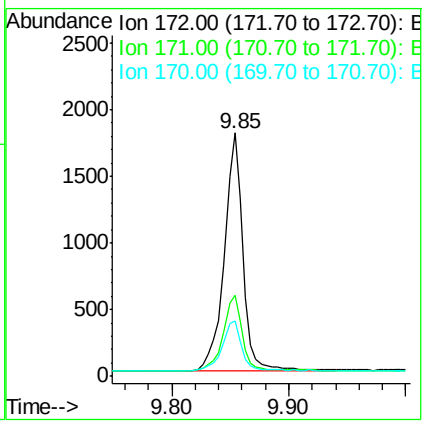




#7
2-Fluorobiphenyl
Concen: 0.23 ng
RT: 9.85 min Scan# 1948
Delta R.T. 0.00 min
Lab File: BE089337.D
Acq: 7 Jan 2015 20:26

Tgt Ion:172 Resp: 1947

Ion	Ratio	Lower	Upper
172	100		
171	33.0	26.4	39.6
170	22.7	18.0	27.0



Instrument :
BNA_E
LabSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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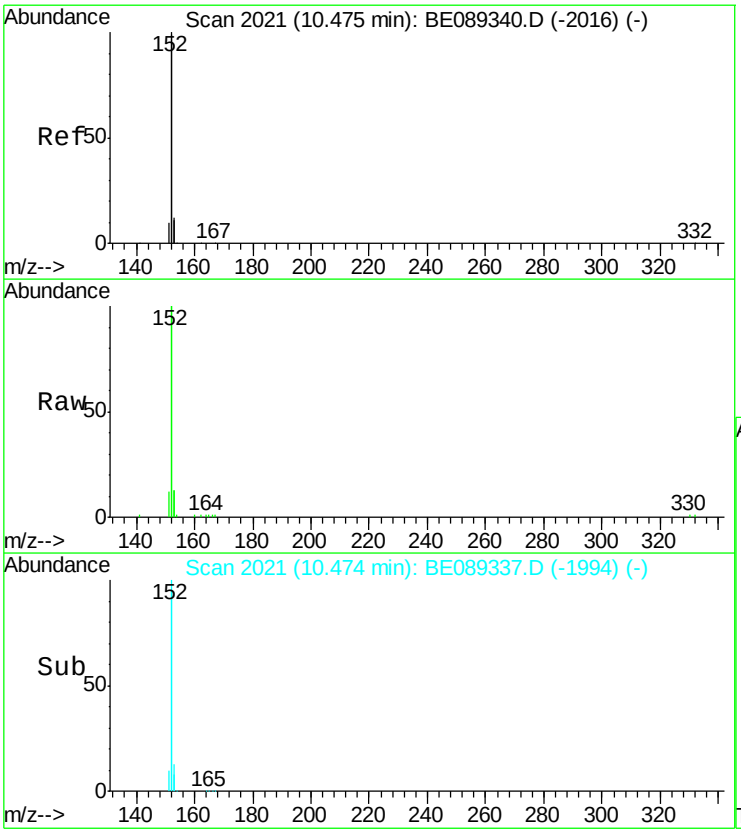
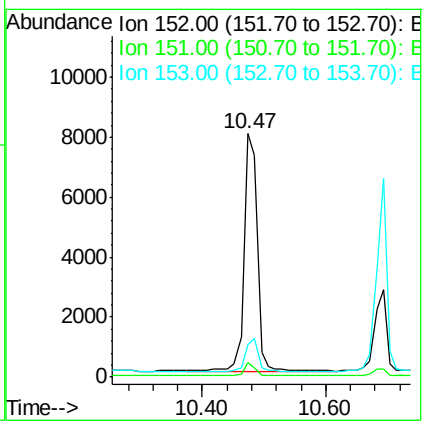
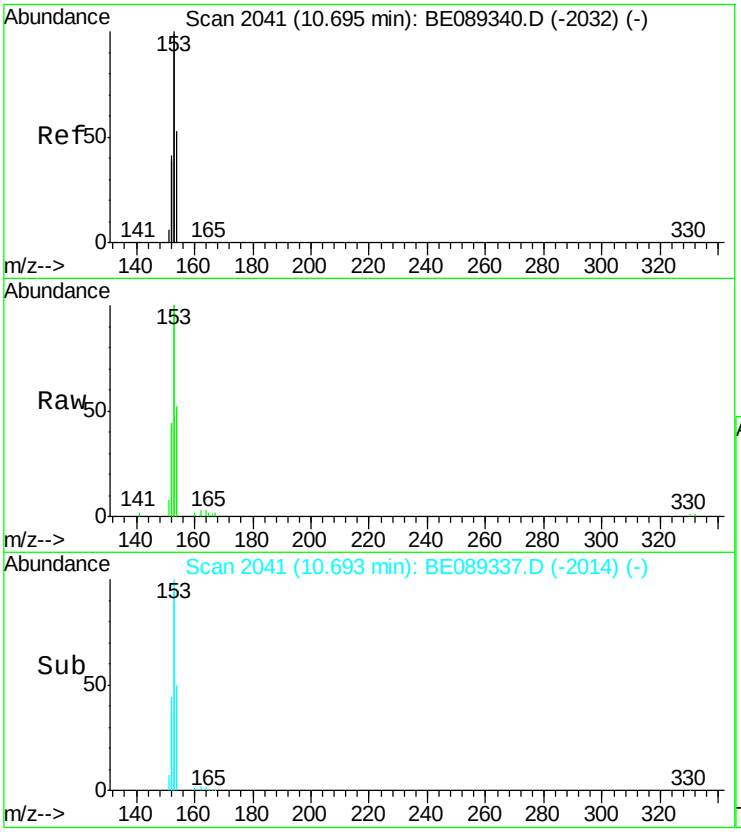


#8
Acenaphthylene
Concen: 0.25 ng
RT: 10.47 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BE089337.D
Acq: 7 Jan 2015 20:26

Tgt Ion:152 Resp: 11650

Ion	Ratio	Lower	Upper
152	100		
151	5.8	4.1	6.1
153	13.3	9.8	14.6

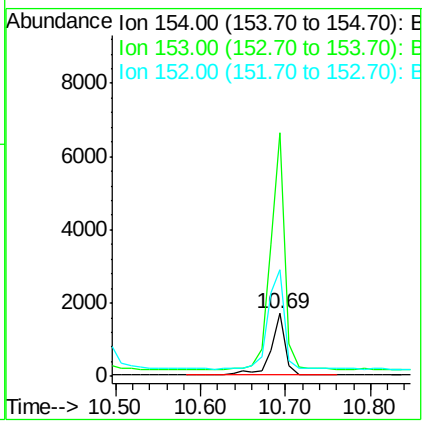




#9
Acenaphthene
Concen: 0.26 ng
RT: 10.69 min Scan# 2041
Delta R.T. -0.00 min
Lab File: BE089337.D
Acq: 7 Jan 2015 20:26

Tgt Ion:154 Resp: 1915

Ion	Ratio	Lower	Upper
154	100		
153	386.1	300.6	450.8
152	168.6	123.3	184.9



Instrument :
BNA_E
LabSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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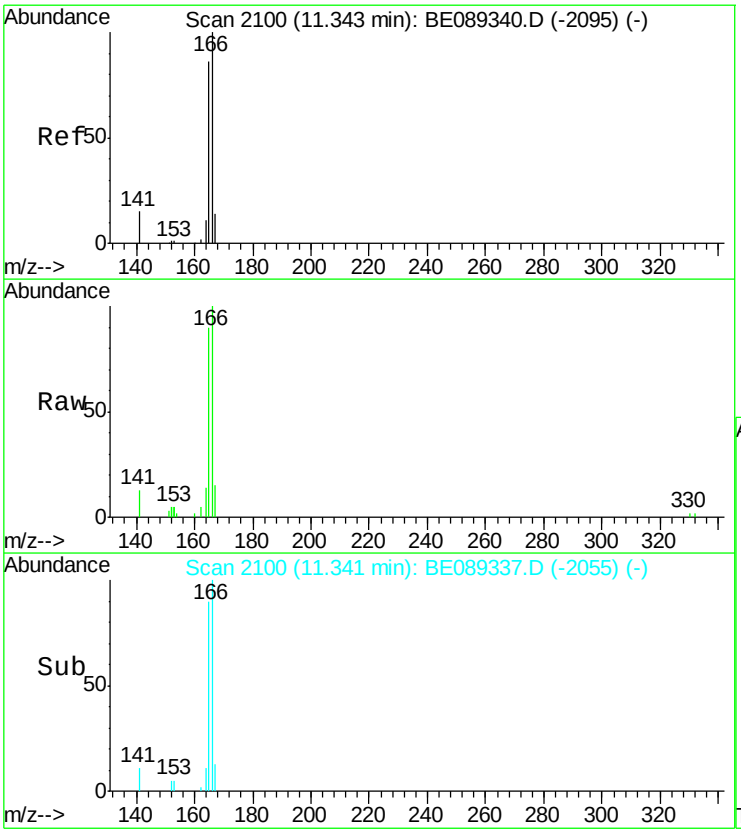
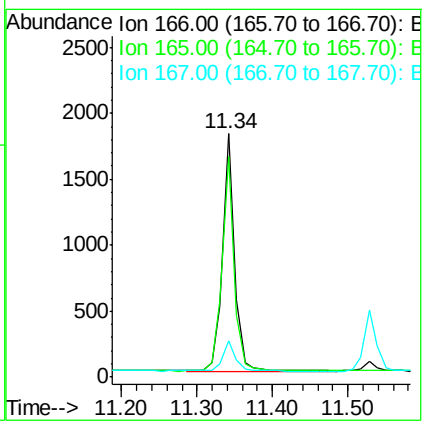
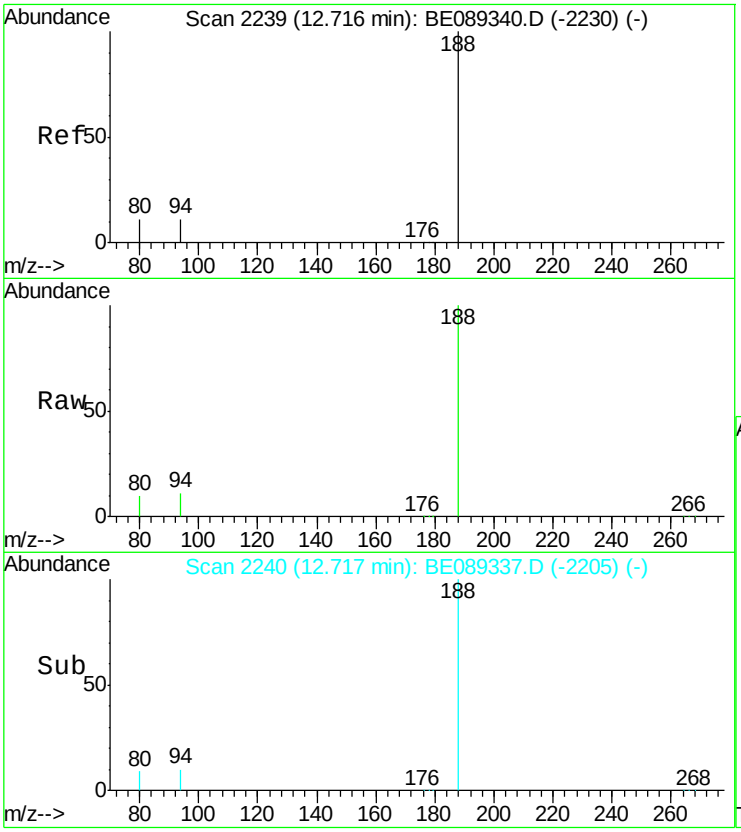


#10
Fluorene
Concen: 0.25 ng
RT: 11.34 min Scan# 2100
Delta R.T. -0.00 min
Lab File: BE089337.D
Acq: 7 Jan 2015 20:26

Tgt Ion:166 Resp: 2005

Ion	Ratio	Lower	Upper
166	100		
165	90.9	72.1	108.1
167	13.4	11.0	16.4





#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.72 min Scan# 2240
Delta R.T. 0.00 min
Lab File: BE089337.D
Acq: 7 Jan 2015 20:26

Instrument :
BNA_E
LabSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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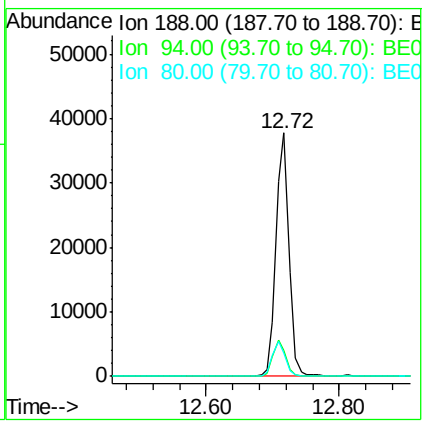
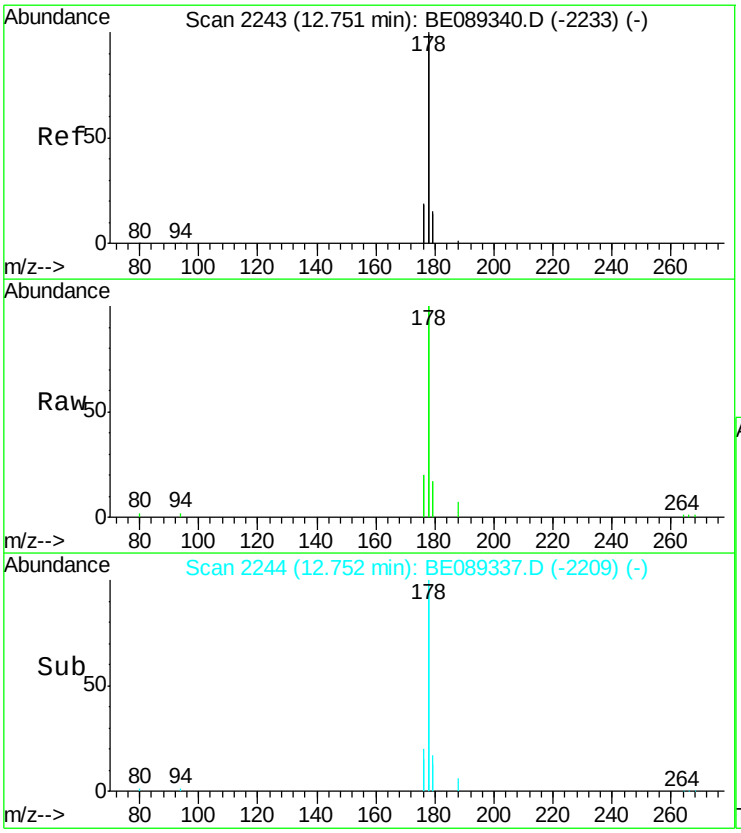
1/9/2015 5:21:28 PM

Tgt Ion:188 Resp: 50562

Ion	Ratio	Lower	Upper
188	100		
94	10.6	11.0	12.2#
80	9.5	10.1	11.1#

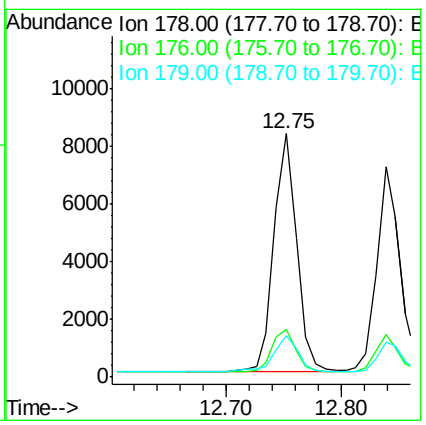


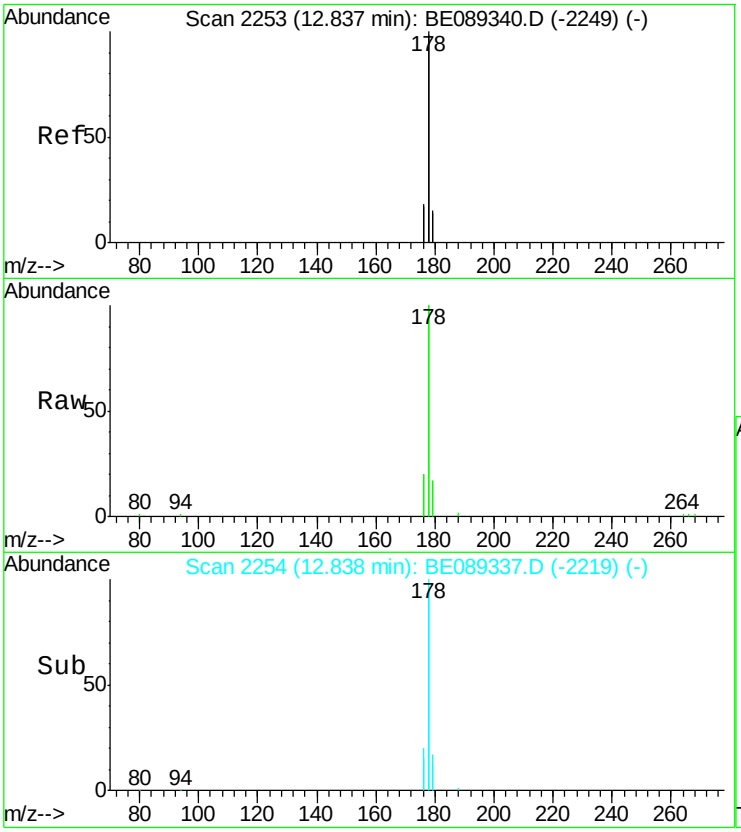


#12
Phenanthrene
Concen: 0.24 ng
RT: 12.75 min Scan# 2244
Delta R.T. 0.00 min
Lab File: BE089337.D
Acq: 7 Jan 2015 20:26

Tgt Ion:178 Resp: 11383

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.1	22.7
179	17.2	12.2	18.2

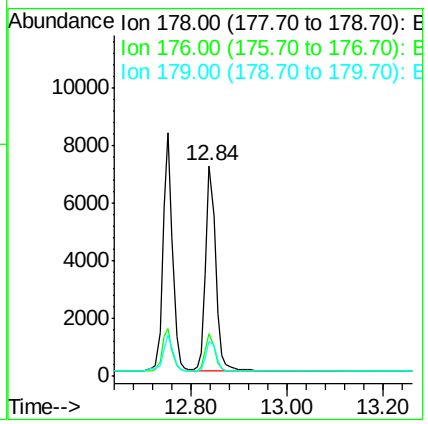




#13
Anthracene
Concen: 0.24 ng
RT: 12.84 min Scan# 2254
Delta R.T. 0.00 min
Lab File: BE089337.D
Acq: 7 Jan 2015 20:26

Tgt Ion:178 Resp: 10402

Ion	Ratio	Lower	Upper
178	100		
176	20.3	14.7	22.1
179	16.9	12.0	18.0



Instrument :
BNA_E
LabSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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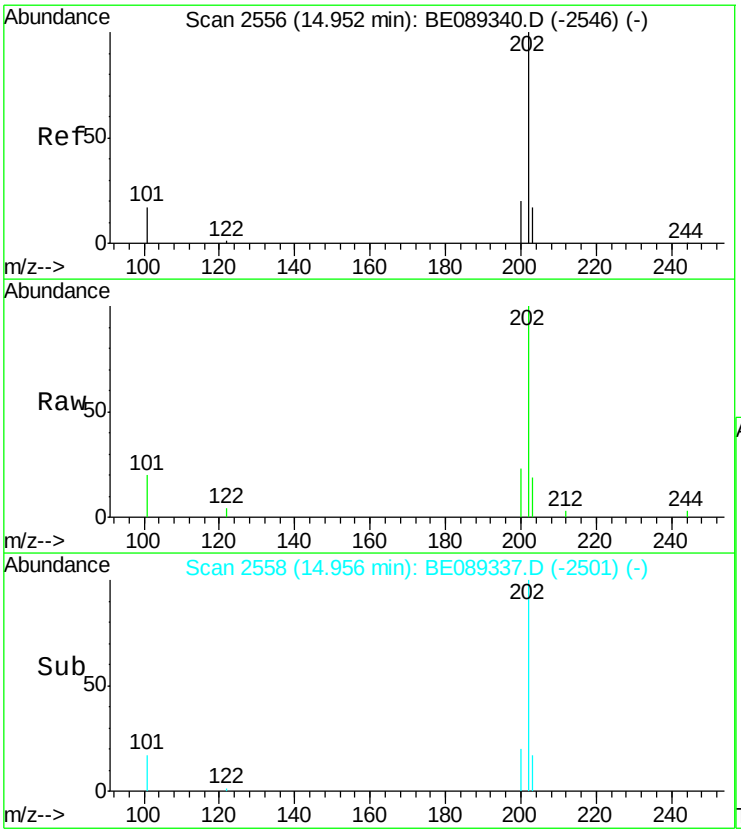
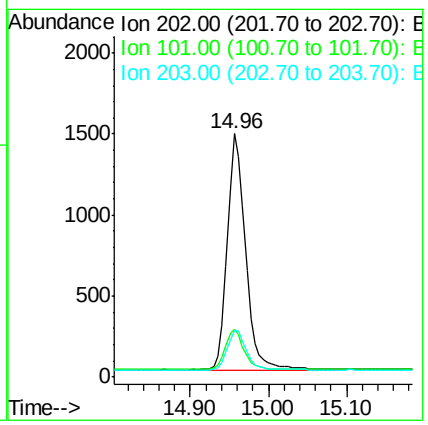
1/9/2015 5:21:28 PM

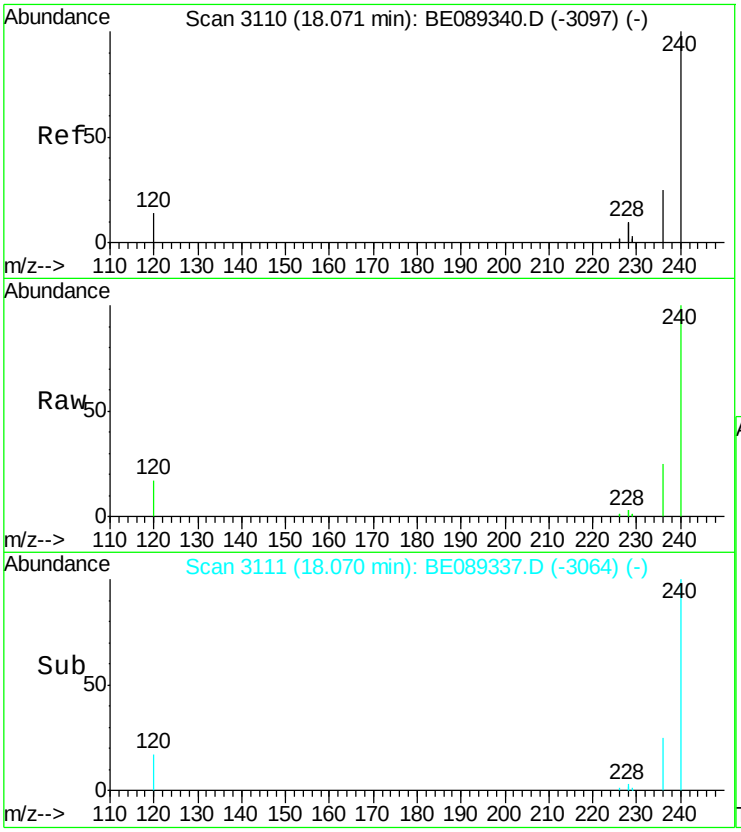


#14
Fluoranthene
Concen: 0.24 ng
RT: 14.96 min Scan# 2558
Delta R.T. 0.00 min
Lab File: BE089337.D
Acq: 7 Jan 2015 20:26

Tgt Ion:202 Resp: 2377

Ion	Ratio	Lower	Upper
202	100		
101	19.6	0.0	37.9
203	19.4	0.0	37.5

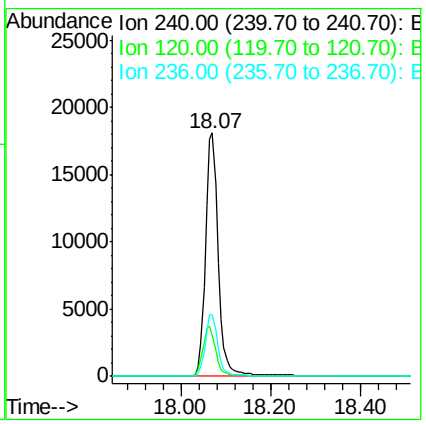




#15
Chrysene-d12
Concen: 5.00 ng
RT: 18.07 min Scan# 3111
Delta R.T. -0.00 min
Lab File: BE089337.D
Acq: 7 Jan 2015 20:26

Tgt Ion:240 Resp: 35276

Ion	Ratio	Lower	Upper
240	100		
120	17.1	11.8	17.6
236	25.5	20.0	30.0



Instrument :
BNA_E
LabSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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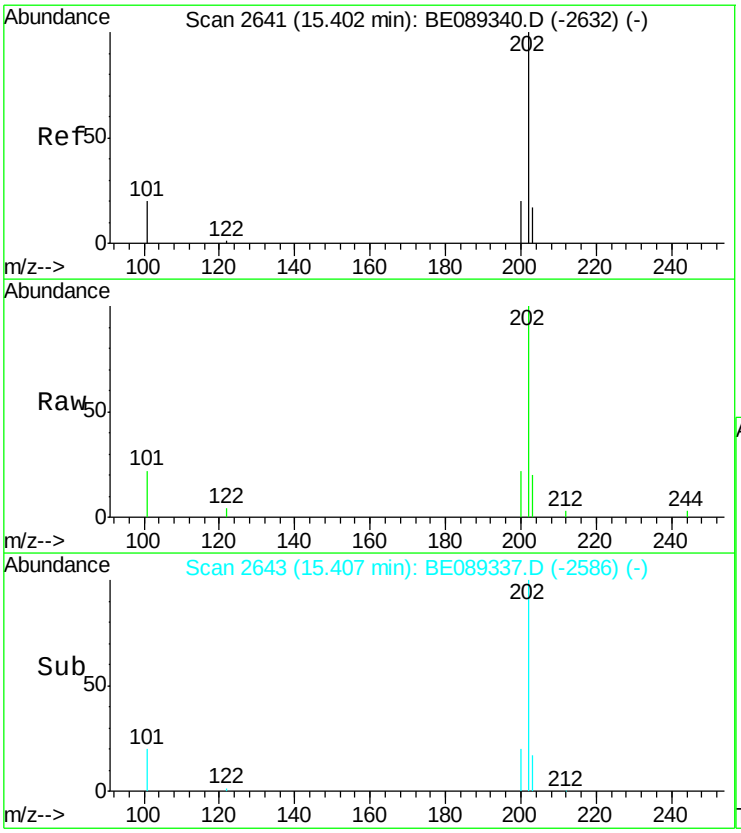
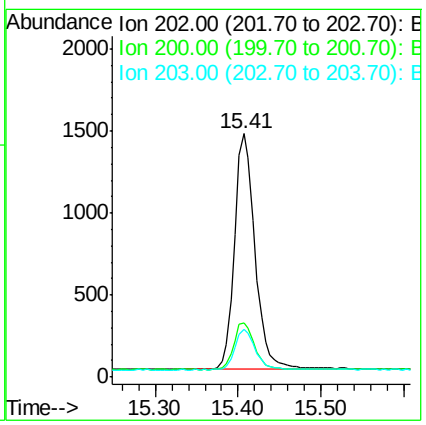
1/9/2015 5:21:28 PM

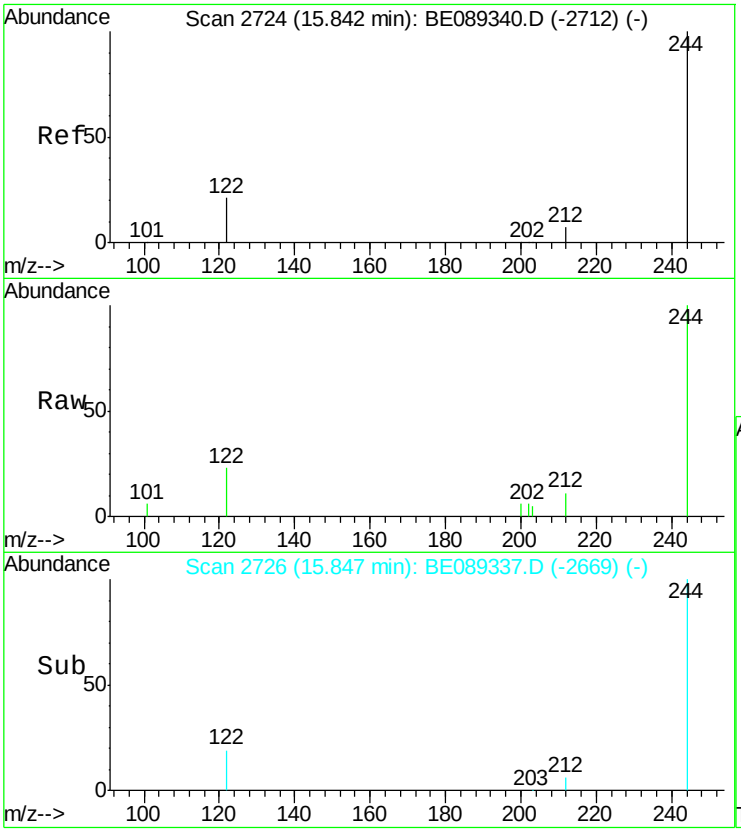


#16
Pyrene
Concen: 0.29 ng
RT: 15.41 min Scan# 2643
Delta R.T. 0.00 min
Lab File: BE089337.D
Acq: 7 Jan 2015 20:26

Tgt Ion:202 Resp: 2477

Ion	Ratio	Lower	Upper
202	100		
200	22.2	16.8	25.2
203	19.7	14.0	21.0





#17
Terphenyl-d14
Concen: 0.26 ng
RT: 15.85 min Scan# 2726
Delta R.T. 0.00 min
Lab File: BE089337.D
Acq: 7 Jan 2015 20:26

Instrument :
BNA_E
LabSampleId :
SSTDICC0.2

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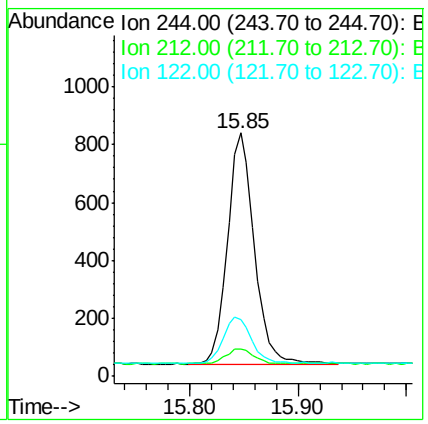
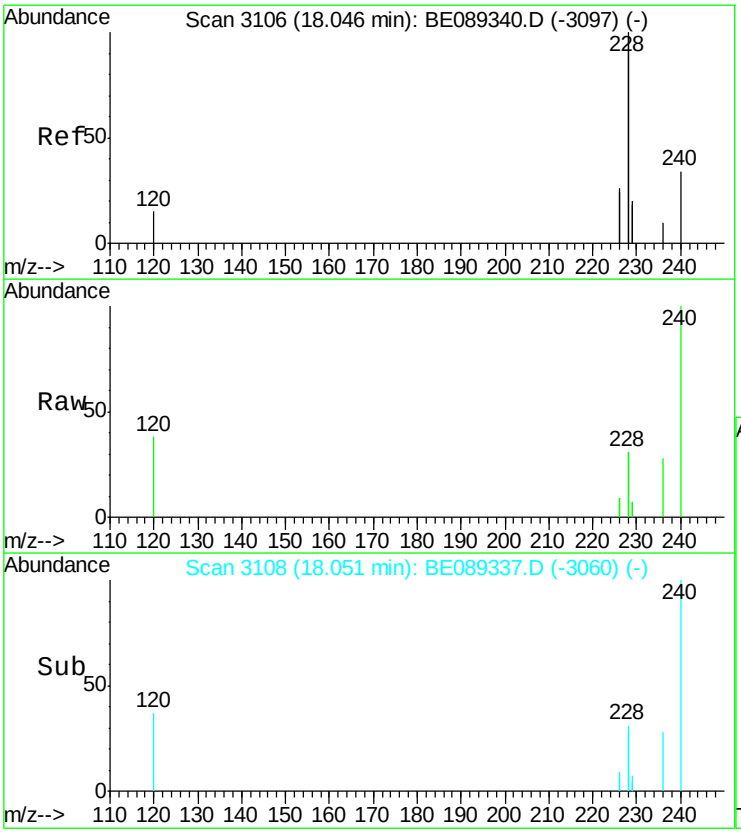
Tgt Ion:244 Resp: 1360

Ion	Ratio	Lower	Upper
244	100		
212	11.2	6.3	9.5#
122	23.1	17.7	26.5

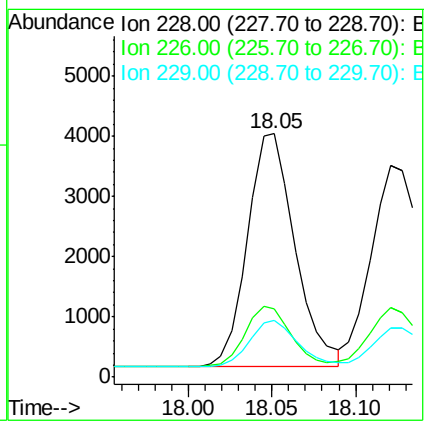


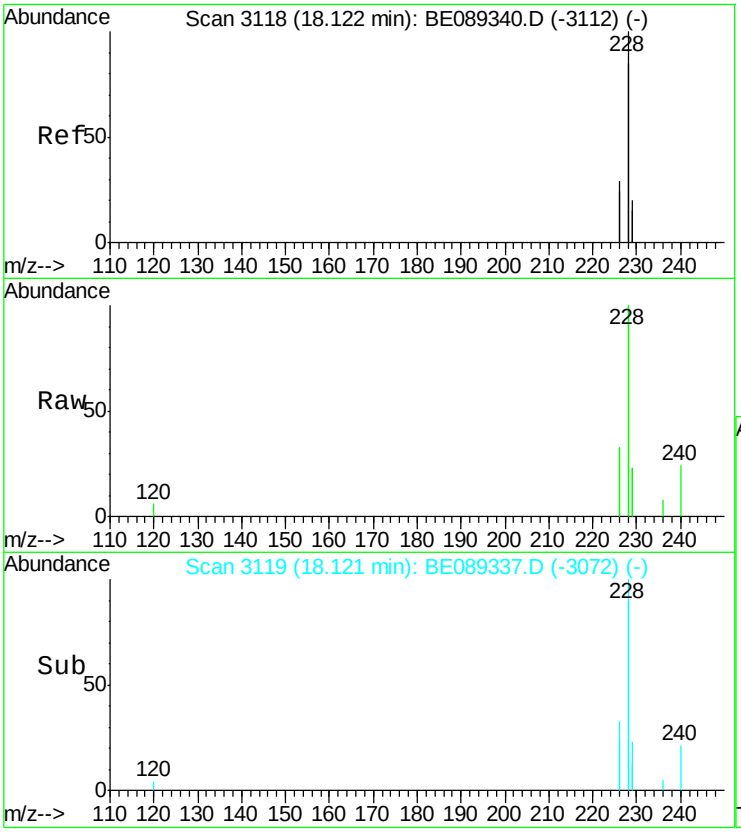


#18
Benzo(a)anthracene
Concen: 0.26 ng
RT: 18.05 min Scan# 3108
Delta R.T. 0.01 min
Lab File: BE089337.D
Acq: 7 Jan 2015 20:26

Tgt Ion:228 Resp: 7621

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.0	31.6
229	23.3	16.0	24.0





#19
Chrysene
Concen: 0.25 ng
RT: 18.12 min Scan# 3119
Delta R.T. -0.00 min
Lab File: BE089337.D
Acq: 7 Jan 2015 20:26

Tgt Ion:228 Resp: 7590

Ion	Ratio	Lower	Upper
228	100		
226	32.8	23.5	35.3
229	23.1	16.1	24.1

Instrument :
BNA_E
LabSampleId :
SSTDICC0.2

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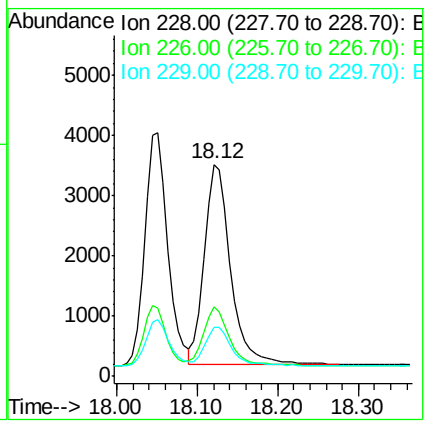
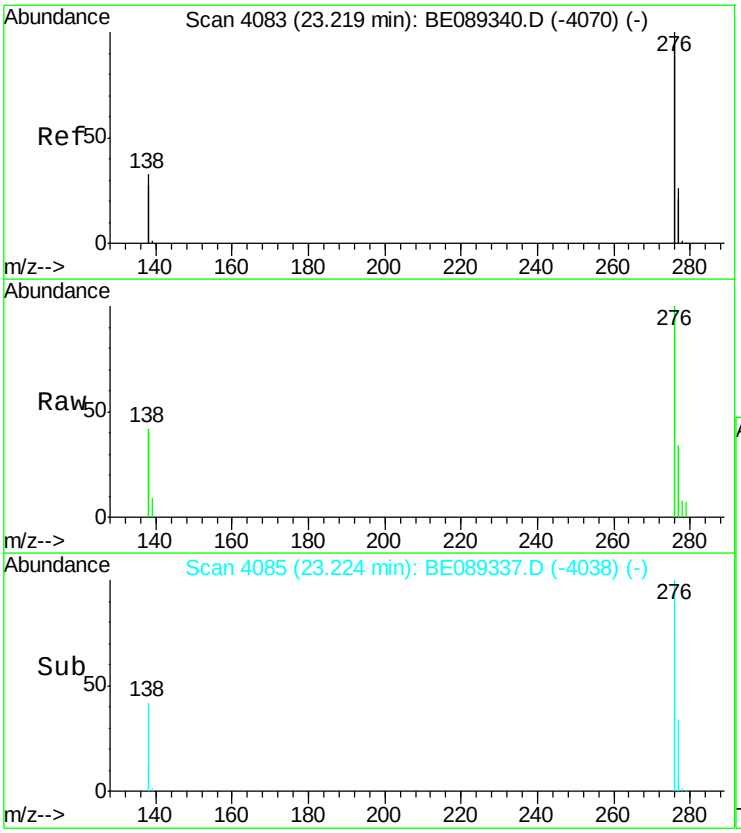
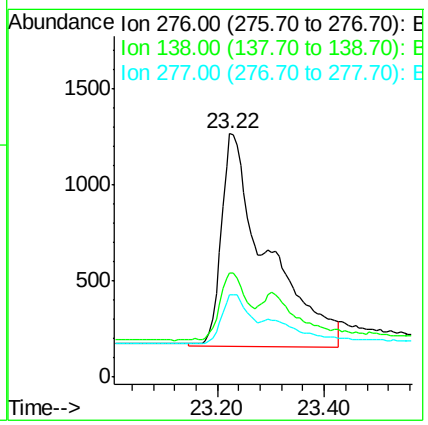


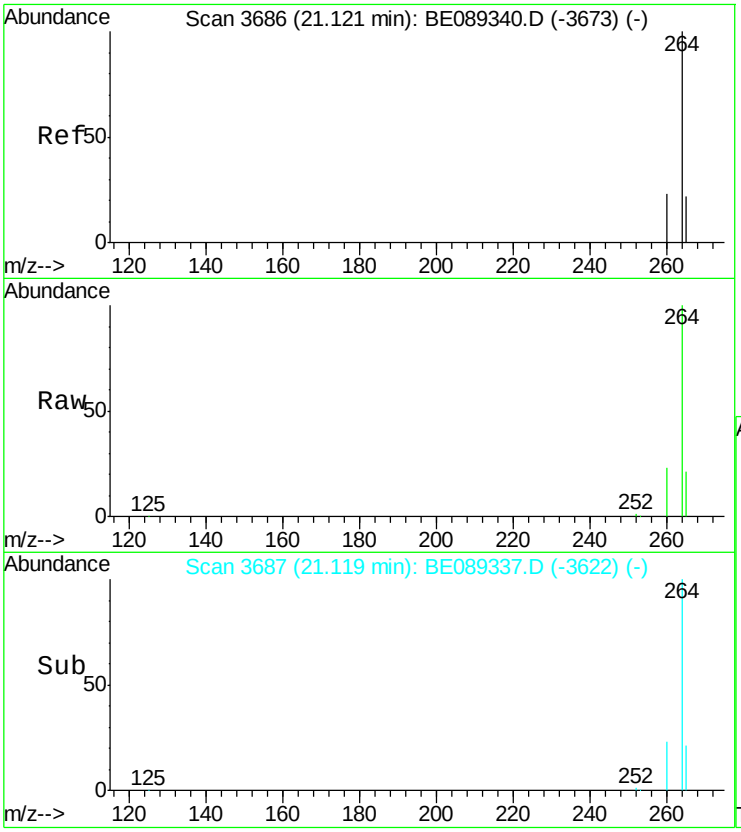


#20
Indeno(1,2,3-cd)pyrene
Concen: 0.23 ng m
RT: 23.22 min Scan# 4085
Delta R.T. 0.01 min
Lab File: BE089337.D
Acq: 7 Jan 2015 20:26

Tgt Ion:276 Resp: 6560

Ion	Ratio	Lower	Upper
276	100		
138	18.0	23.8	35.8#
277	13.6	18.2	27.4#

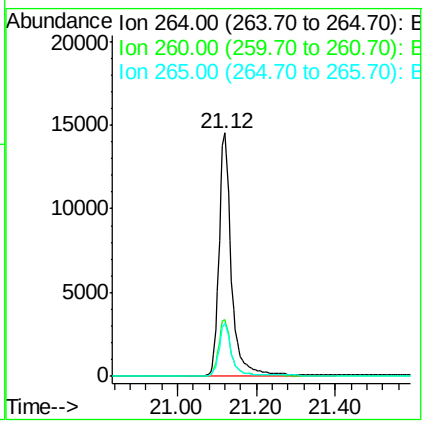




#21
Perylene-d12
Concen: 5.00 ng
RT: 21.12 min Scan# 3687
Delta R.T. -0.00 min
Lab File: BE089337.D
Acq: 7 Jan 2015 20:26

Tgt Ion:264 Resp: 31561

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	21.5	17.4	26.2



Instrument :
BNA_E
LabSampleId :
SSTDICC0.2

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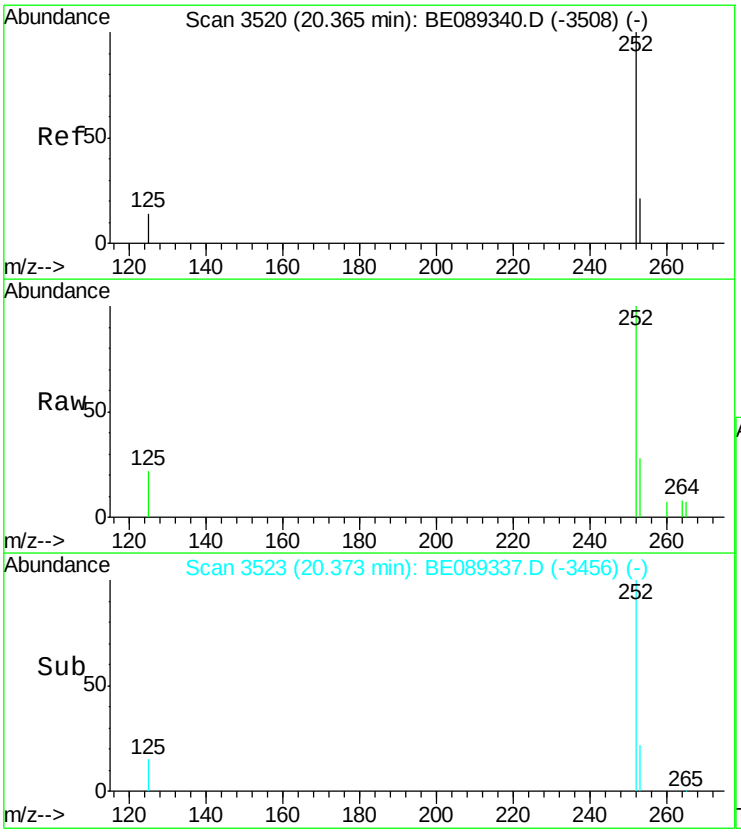
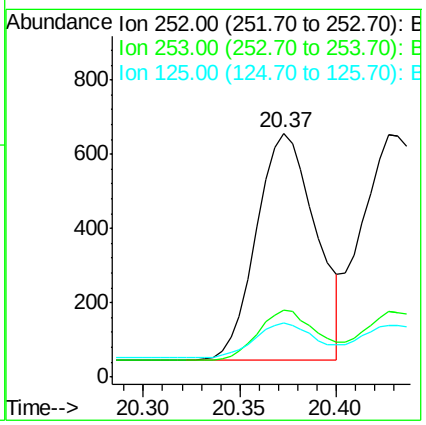
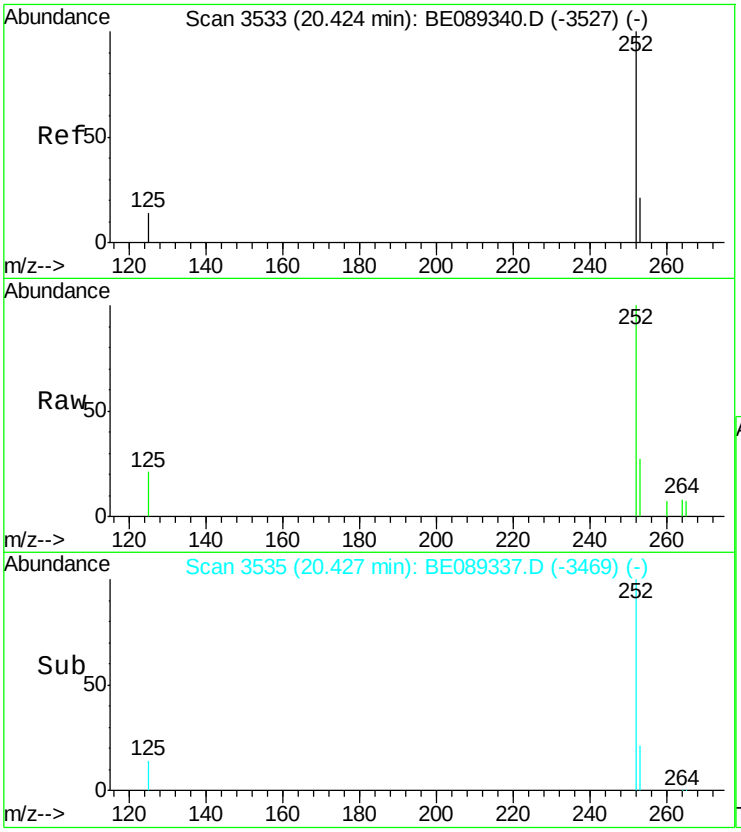


#22
Benzo(b)fluoranthene
Concen: 0.21 ng
RT: 20.37 min Scan# 3523
Delta R.T. 0.01 min
Lab File: BE089337.D
Acq: 7 Jan 2015 20:26

Tgt Ion:252 Resp: 1315

Ion	Ratio	Lower	Upper
252	100		
253	27.6	17.8	26.6#
125	22.3	12.6	18.8#





#23
Benzo(k)fluoranthene
Concen: 0.22 ng
RT: 20.43 min Scan# 3535
Delta R.T. 0.00 min
Lab File: BE089337.D
Acq: 7 Jan 2015 20:26

Tgt Ion:252 Resp: 1762

Ion	Ratio	Lower	Upper
252	100		
253	26.9	18.0	27.0
125	21.4	12.4	18.6#

Instrument :
BNA_E
LabSampleId :
SSTDICC0.2

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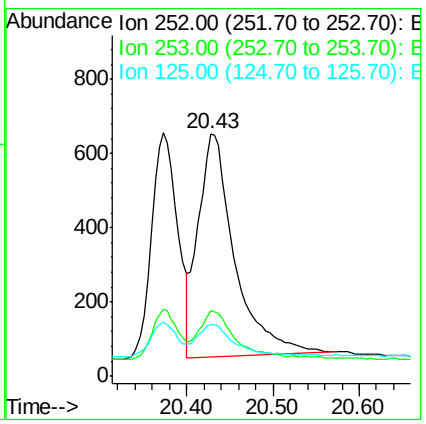
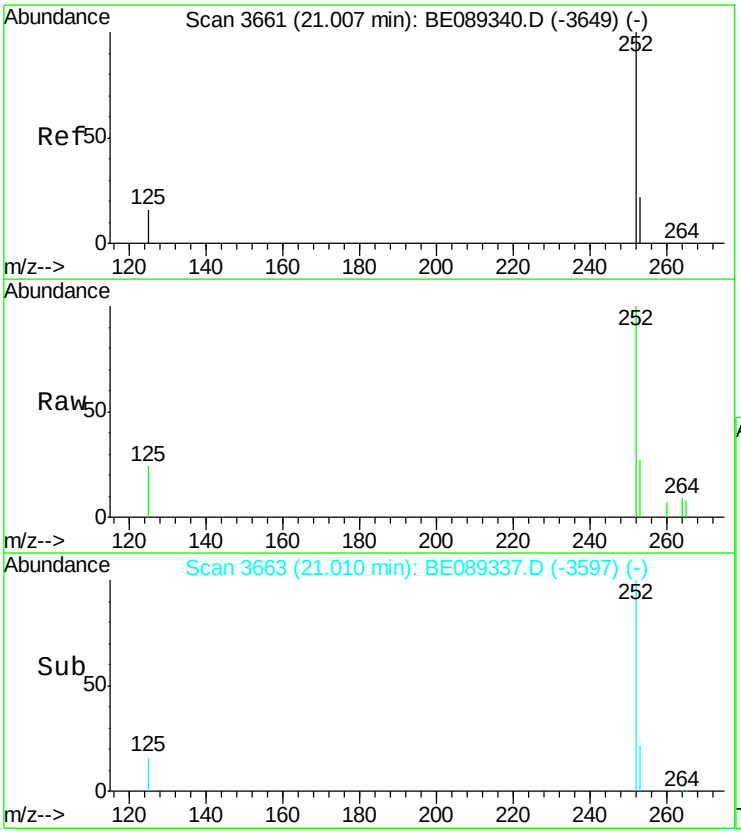
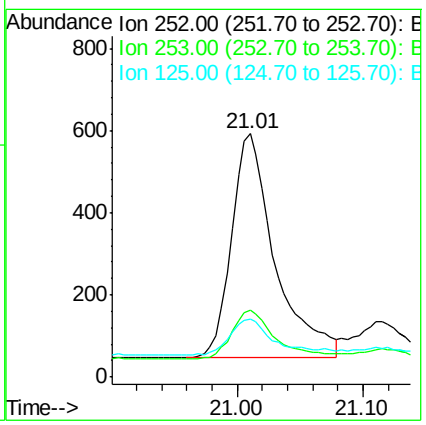


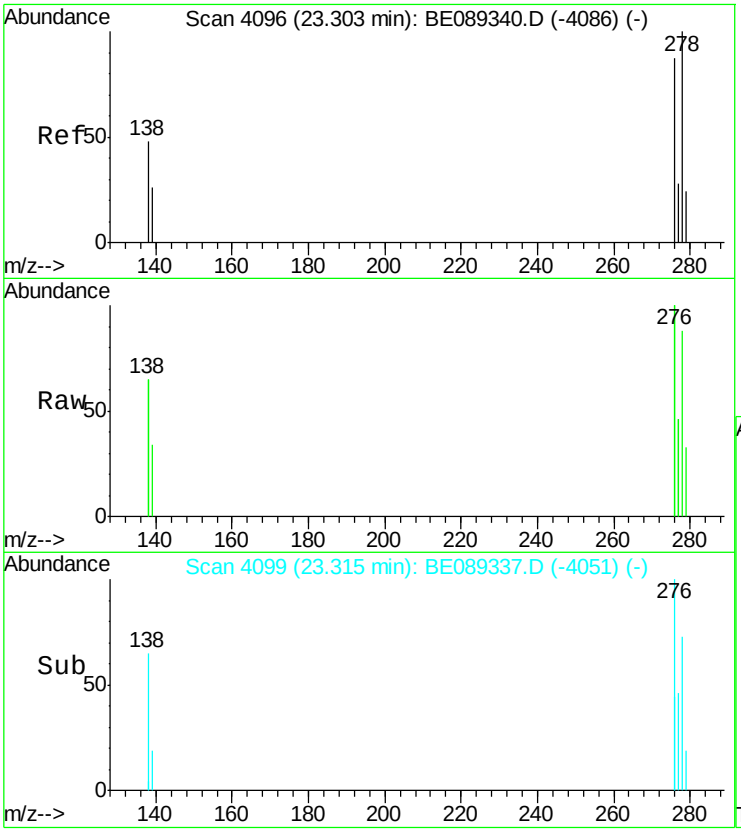


#24
Benzo(a)pyrene
Concen: 0.22 ng
RT: 21.01 min Scan# 3663
Delta R.T. 0.00 min
Lab File: BE089337.D
Acq: 7 Jan 2015 20:26

Tgt Ion:252 Resp: 1307

Ion	Ratio	Lower	Upper
252	100		
253	27.5	18.3	27.5#
125	23.9	13.8	20.8#





#25
Dibenzo(a,h)anthracene
Concen: 0.18 ng
RT: 23.31 min Scan# 4099
Delta R.T. 0.01 min
Lab File: BE089337.D
Acq: 7 Jan 2015 20:26

Instrument :
BNA_E
LabSampleId :
SSTDICC0.2

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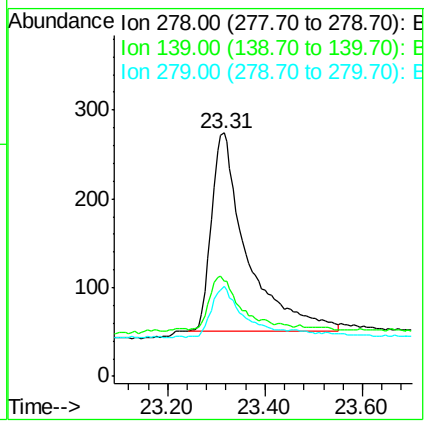
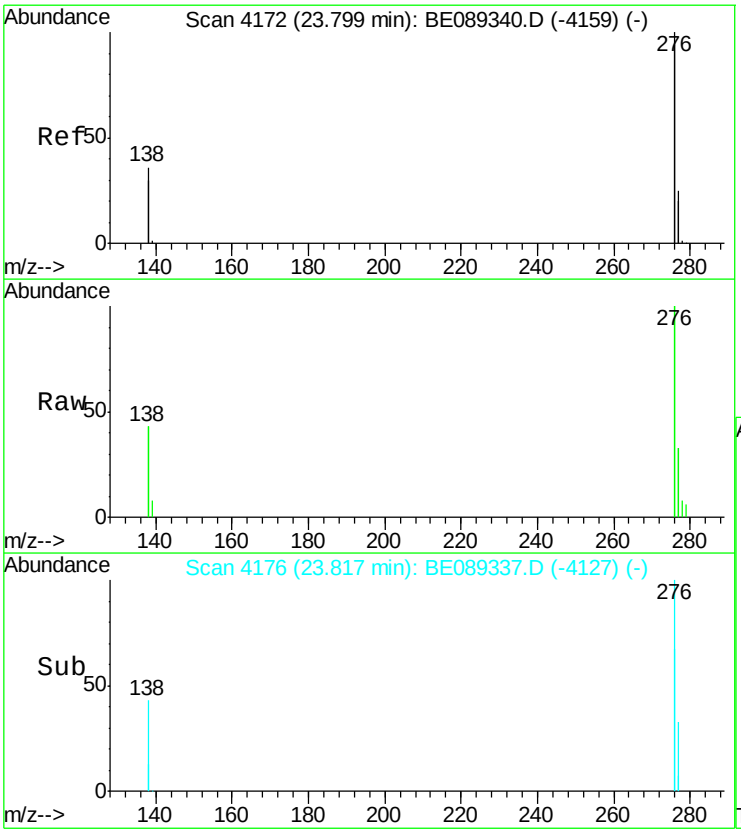
Tgt Ion:278 Resp: 1140

Ion	Ratio	Lower	Upper
278	100		
139	39.1	22.9	34.3#
279	37.2	20.8	31.2#





#26
Benzo(g,h,i)perylene
Concen: 0.22 ng
RT: 23.82 min Scan# 4176
Delta R.T. 0.02 min
Lab File: BE089337.D
Acq: 7 Jan 2015 20:26

Tgt Ion:276 Resp: 6296

Ion	Ratio	Lower	Upper
276	100		
277	32.8	20.0	30.0#
138	43.3	28.5	42.7#