Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
Data File : BE089543.D
Acq On : 7 Feb 2015 2:54
Operator : TP/IZ
Sample : PB81635BSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB81635BSD

Quant Time: Feb 07 06:02:29 2015
Quant Method : Z:\HPCHEM1\BNA_E\methods\SIMPAH-BE020615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 07 04:07:57 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.42	152	29766	5.00	ng		0.00
2) Naphthalene-d8	12.33	136	105979	5.00	ng		0.00
6) Acenaphthene-d10	16.51	164	39382	5.00	ng		0.00
11) Phenanthrene-d10	19.84	188	67869	5.00	ng		0.00
16) Chrysene-d12	23.72	240	90075	5.00	ng		0.00
22) Perylene-d12	25.41	264	102324	5.00	ng		0.00
System Monitoring Compounds							
3) Nitrobenzene-d5	10.69	82	61358	8.72	ng		0.00
7) 2-Fluorobiphenyl	14.96	172	86995	8.28	ng		0.00
18) Terphenyl-d14	22.36	244	89815	7.56	ng		0.00
Target Compounds							Qvalue
4) Naphthalene	12.38	128	163045	6.83	ng		99
5) 2-Methylnaphthalene	14.03	142	91859	6.77	ng		98
8) Acenaphthylene	16.16	152	486985	7.35	ng		99
9) Acenaphthene	16.59	154	70949	6.74	ng		98
10) Fluorene	17.84	166	78859	7.07	ng		98
12) Pentachlorophenol	19.52	266	11891	12.33	ng	#	86
13) Phenanthrene	19.89	178	116492	6.93	ng		100
14) Anthracene	19.98	178	116071	8.17	ng		99
15) Fluoranthene	21.79	202	122526	7.82	ng		98
17) Pyrene	22.10	202	136430	7.11	ng		99
19) Benzo(a)anthracene	23.70	228	561650	7.01	ng	#	91
20) Chrysene	23.75	228	602199	7.40	ng		91
21) Indeno(1,2,3-cd)pyrene	26.85	276	863530	7.63	ng		99
23) Benzo(b)fluoranthene	24.98	252	141248	7.11	ng		98
24) Benzo(k)fluoranthene	25.01	252	194915	7.89	ng		98
25) Benzo(a)pyrene	25.35	252	155410	7.86	ng		98
26) Dibenzo(a,h)anthracene	26.89	278	191108	7.88	ng	#	96
27) Benzo(g,h,i)perylene	27.29	276	760970	7.69	ng		96

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
Data File : BE089543.D
Acq On : 7 Feb 2015 2:54
Operator : TP/IZ
Sample : PB81635BSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_E
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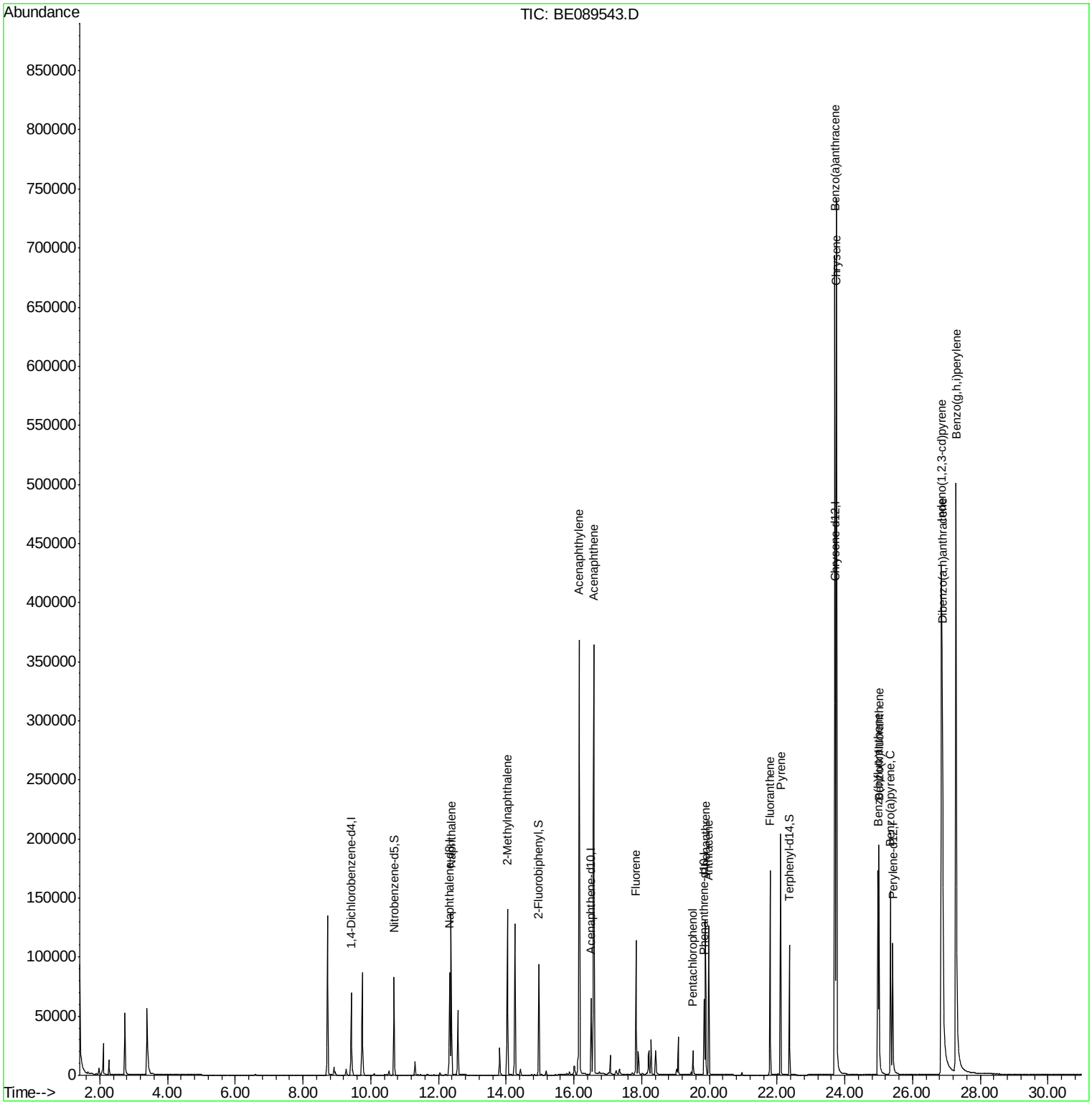
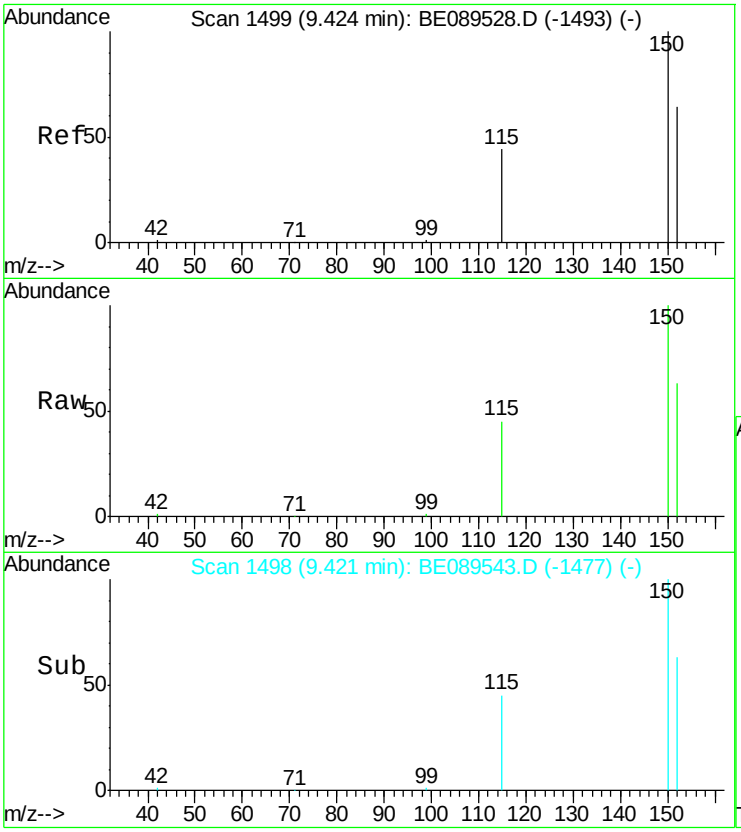
Quant Time: Feb 07 06:02:29 2015
Quant Method : Z:\HPCHEM1\BNA_E\methods\SIMPAH-BE020615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 07 04:07:57 2015
Response via : Initial Calibration



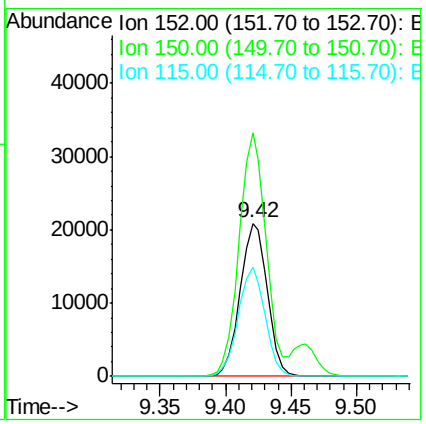


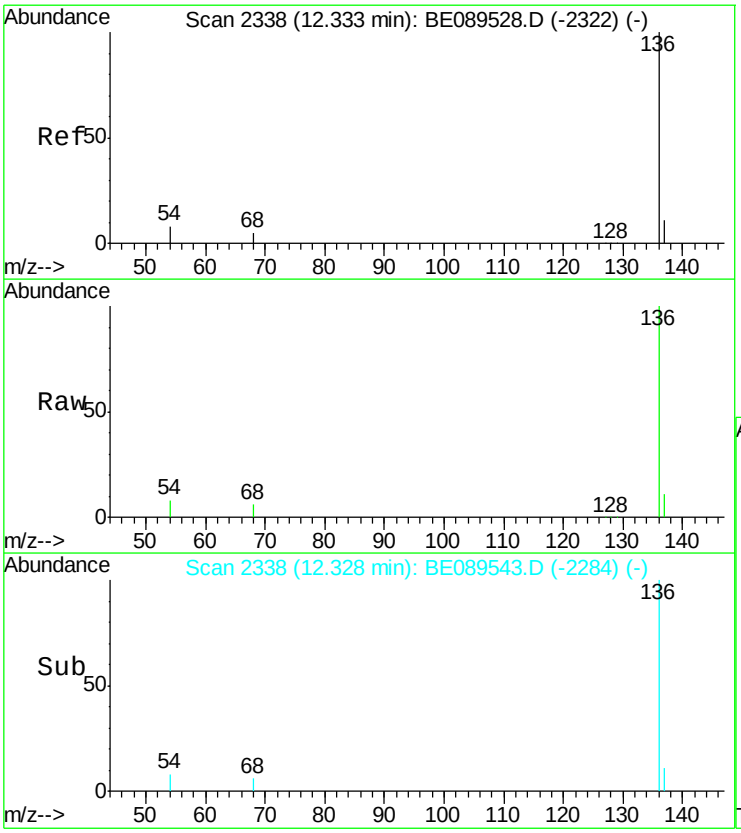
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 9.42 min Scan# 1498
Delta R.T. -0.00 min
Lab File: BE089543.D
Acq: 7 Feb 2015 2:54

Instrument :
BNA_E
ClientSampleId :
PB81635BSD

Tgt Ion:152 Resp: 29766

Ion	Ratio	Lower	Upper
152	100		
150	159.1	125.7	188.5
115	71.8	55.6	83.4

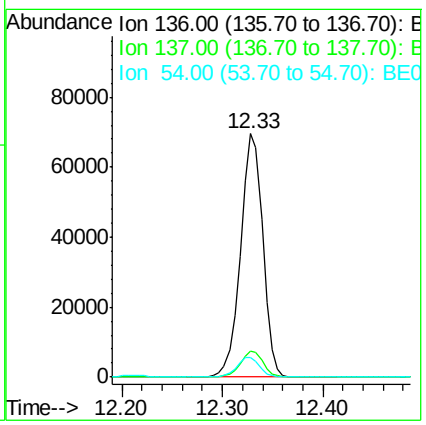


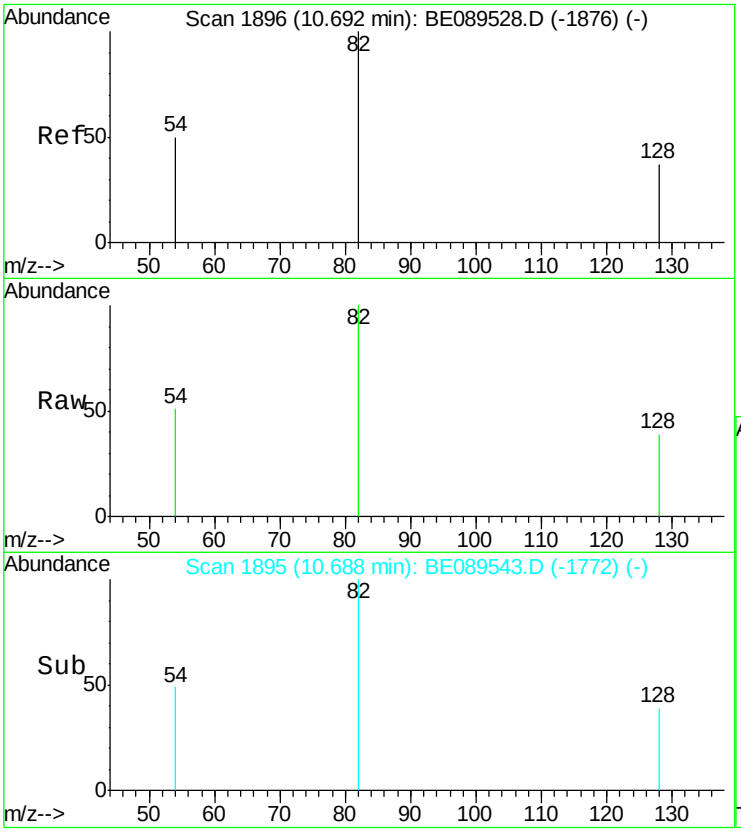


#2
Naphthalene-d8
Concen: 5.00 ng
RT: 12.33 min Scan# 2338
Delta R.T. -0.00 min
Lab File: BE089543.D
Acq: 7 Feb 2015 2:54

Tgt Ion:136 Resp: 105979

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	8.2	6.1	9.1



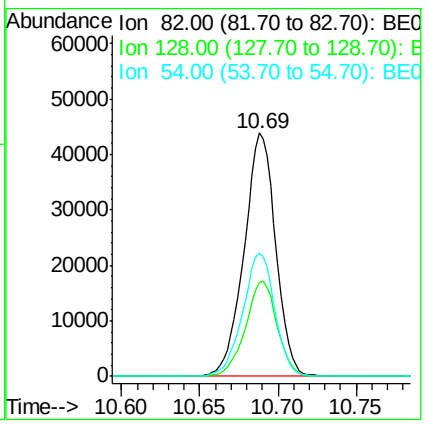


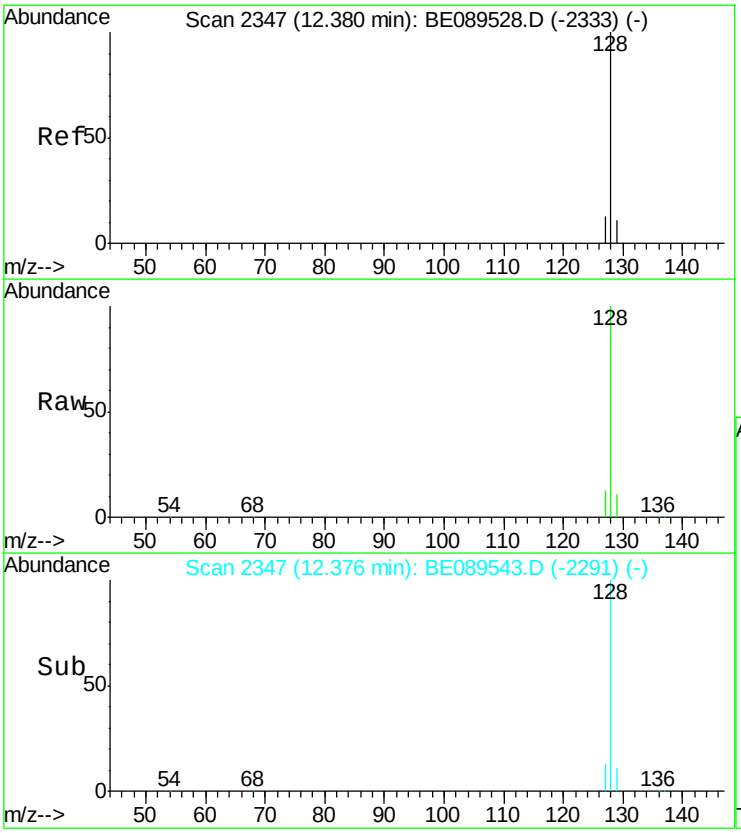
#3
Nitrobenzene-d5
Concen: 8.72 ng
RT: 10.69 min Scan# 1895
Delta R.T. -0.00 min
Lab File: BE089543.D
Acq: 7 Feb 2015 2:54

Instrument :
BNA_E
ClientSampleId :
PB81635BSD

Tgt Ion: 82 Resp: 61358

Ion	Ratio	Lower	Upper
82	100		
128	38.6	30.2	45.4
54	50.8	40.6	60.8

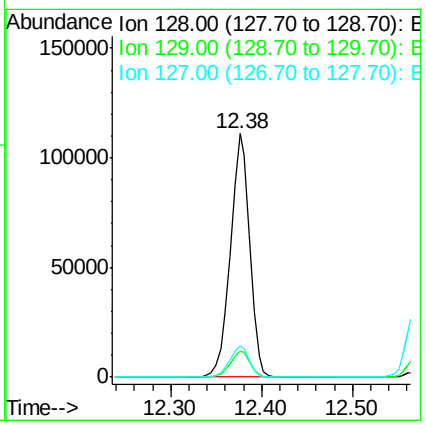


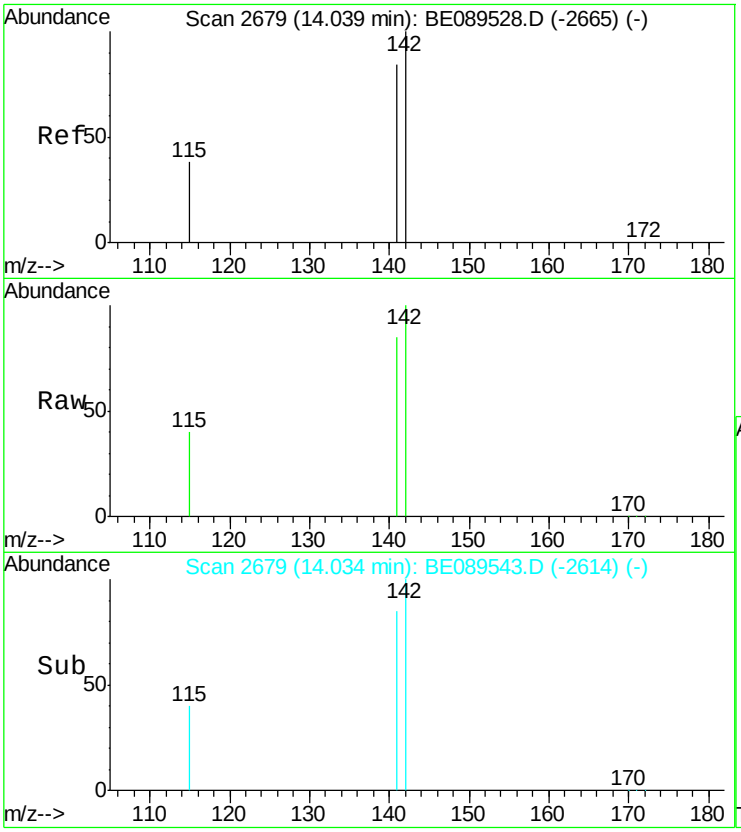


#4
Naphthalene
Concen: 6.83 ng
RT: 12.38 min Scan# 2347
Delta R.T. -0.00 min
Lab File: BE089543.D
Acq: 7 Feb 2015 2:54

Tgt Ion:128 Resp: 163045

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.1	13.7
127	12.9	10.5	15.7



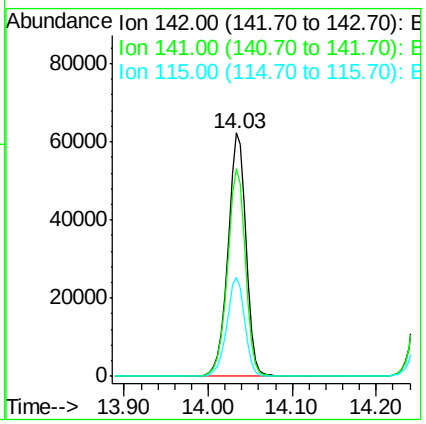


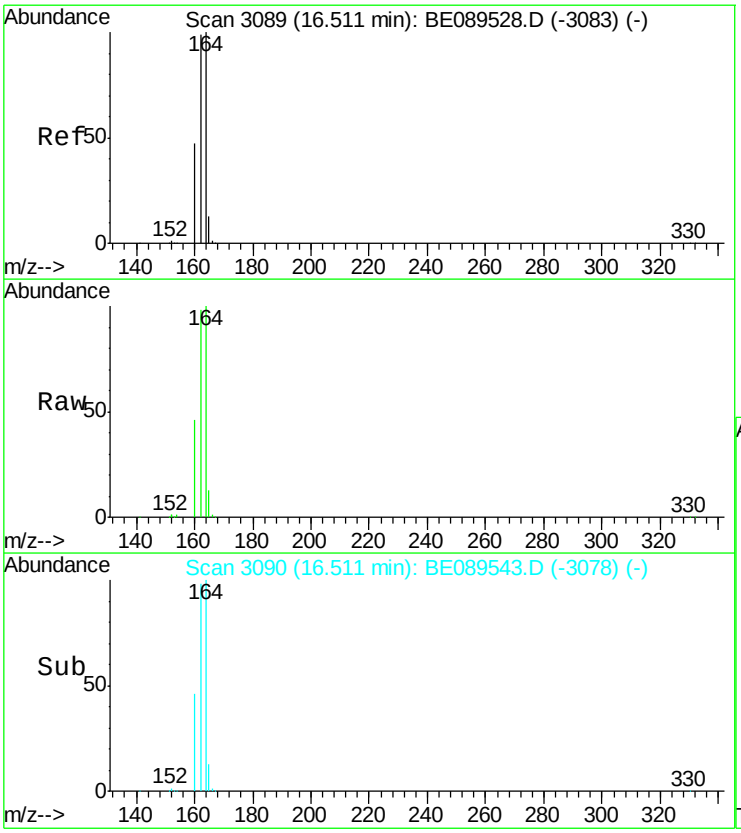
#5
2-Methylnaphthalene
Concen: 6.77 ng
RT: 14.03 min Scan# 2679
Delta R.T. -0.01 min
Lab File: BE089543.D
Acq: 7 Feb 2015 2:54

Instrument :
BNA_E
ClientSampleId :
PB81635BSD

Tgt Ion:142 Resp: 91859

Ion	Ratio	Lower	Upper
142	100		
141	85.2	67.0	100.6
115	40.5	30.6	45.8

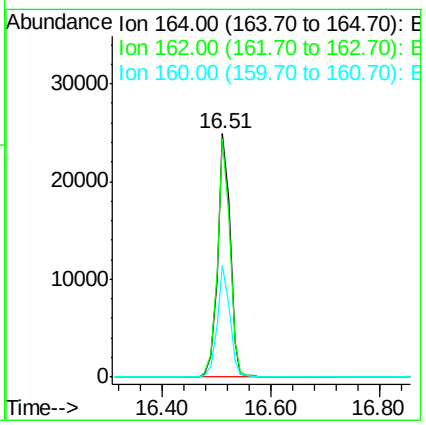


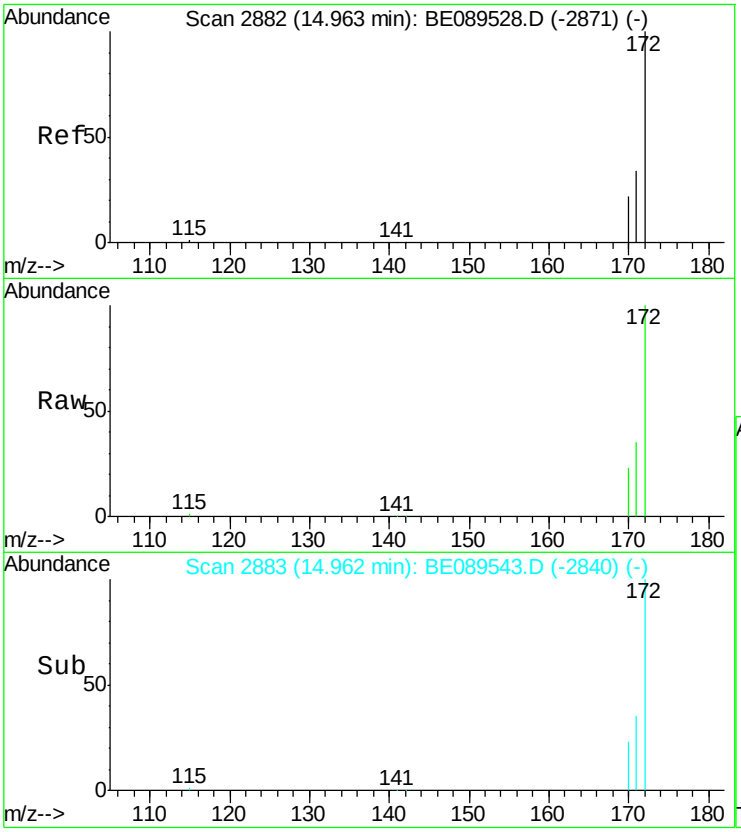


#6
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.51 min Scan# 3090
Delta R.T. 0.00 min
Lab File: BE089543.D
Acq: 7 Feb 2015 2:54

Tgt Ion:164 Resp: 39382

Ion	Ratio	Lower	Upper
164	100		
162	97.7	79.5	119.3
160	45.8	37.6	56.4



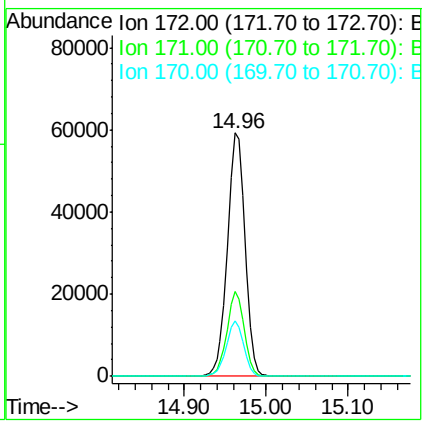


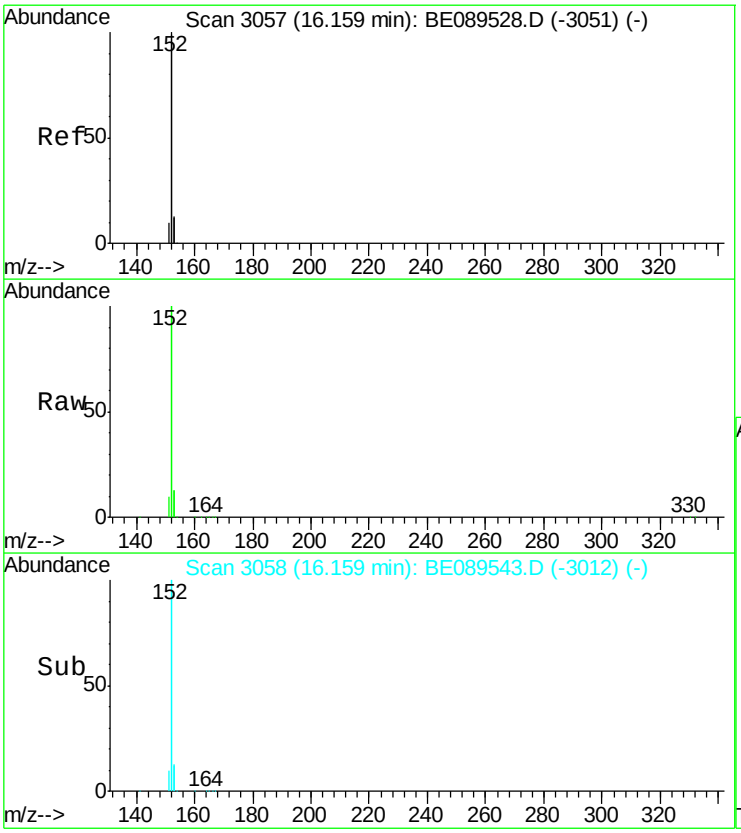
#7
2-Fluorobiphenyl
Concen: 8.28 ng
RT: 14.96 min Scan# 2883
Delta R.T. -0.00 min
Lab File: BE089543.D
Acq: 7 Feb 2015 2:54

Instrument :
BNA_E
ClientSampleId :
PB81635BSD

Tgt Ion:172 Resp: 86995

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.7	41.5
170	23.0	18.3	27.5

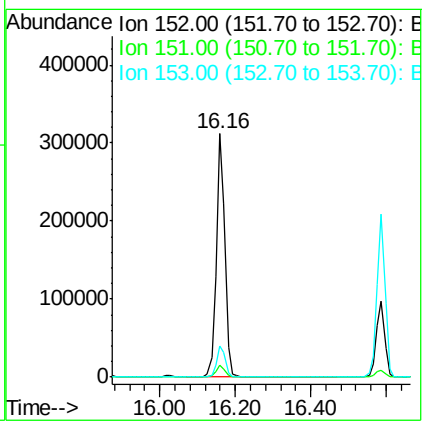


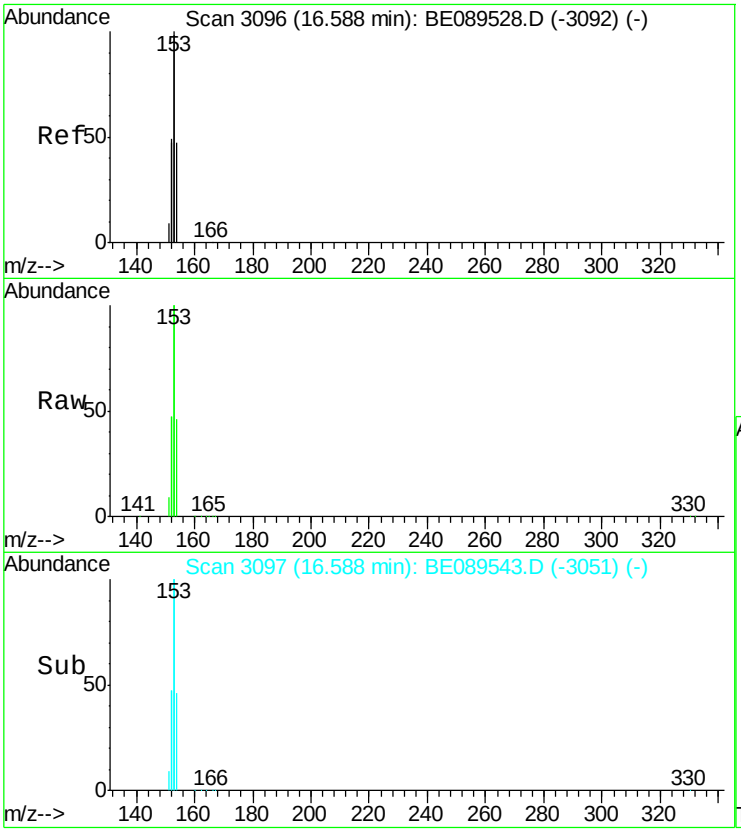


#8
Acenaphthylene
Concen: 7.35 ng
RT: 16.16 min Scan# 3058
Delta R.T. 0.00 min
Lab File: BE089543.D
Acq: 7 Feb 2015 2:54

Tgt Ion:152 Resp: 486985

Ion	Ratio	Lower	Upper
152	100		
151	4.9	4.0	6.0
153	12.9	10.6	15.8



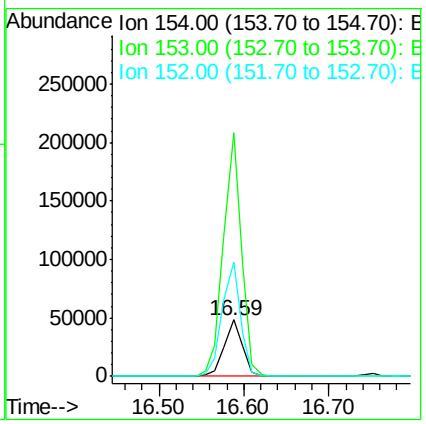


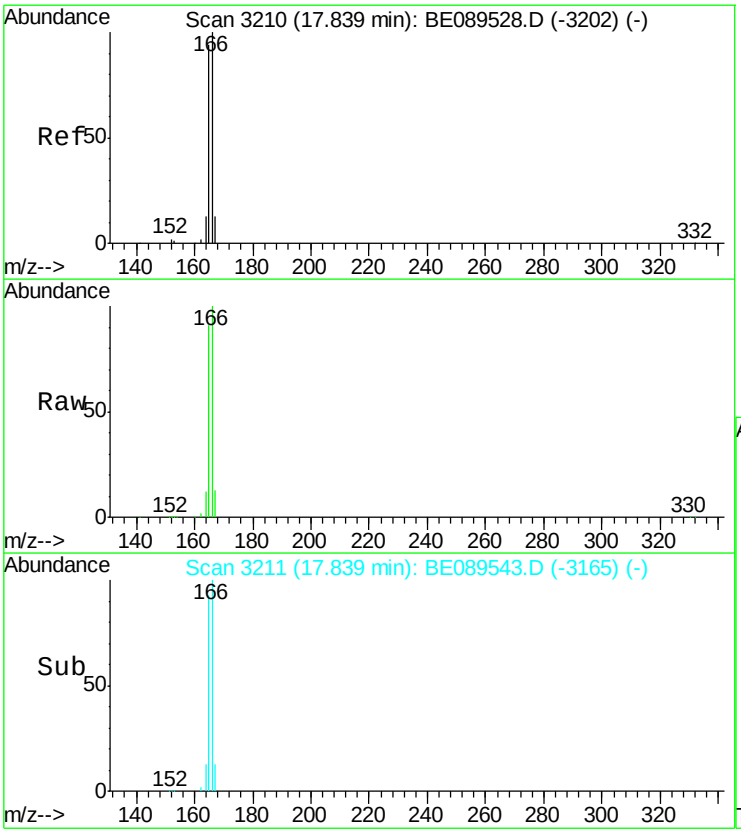
#9
Acenaphthene
Concen: 6.74 ng
RT: 16.59 min Scan# 3097
Delta R.T. 0.00 min
Lab File: BE089543.D
Acq: 7 Feb 2015 2:54

Instrument :
BNA_E
ClientSampleId :
PB81635BSD

Tgt Ion:154 Resp: 70949

Ion	Ratio	Lower	Upper
154	100		
153	434.0	340.8	511.2
152	208.2	165.5	248.3

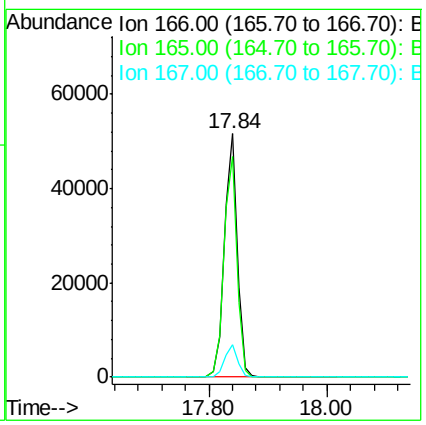


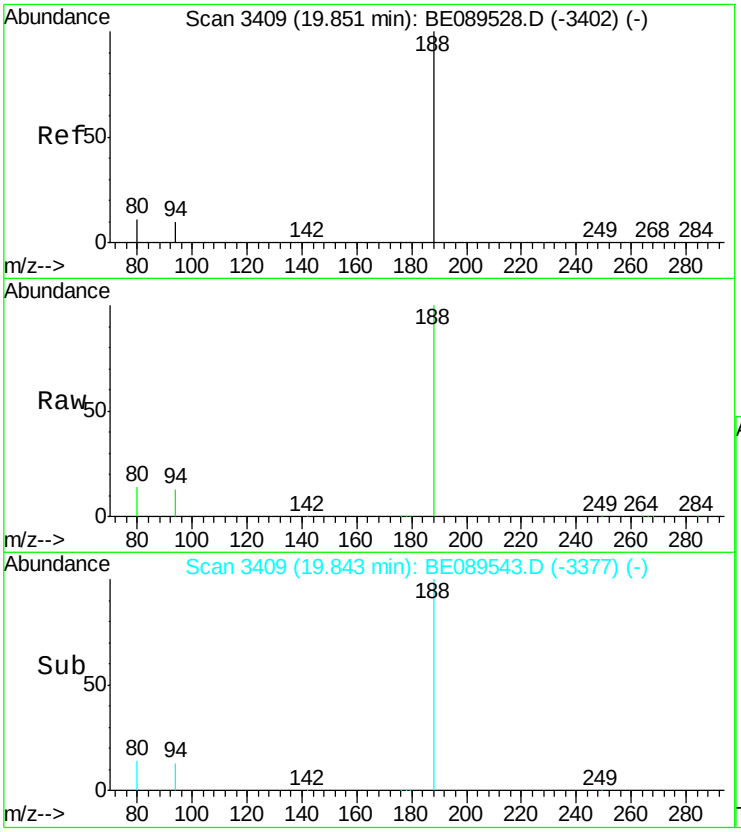


#10
Fluorene
Concen: 7.07 ng
RT: 17.84 min Scan# 3211
Delta R.T. 0.00 min
Lab File: BE089543.D
Acq: 7 Feb 2015 2:54

Tgt Ion:166 Resp: 78859

Ion	Ratio	Lower	Upper
166	100		
165	92.2	75.5	113.3
167	13.2	10.9	16.3



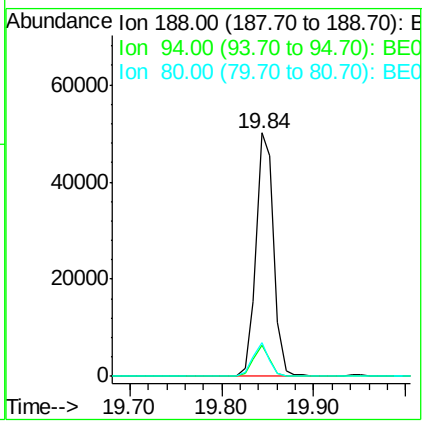


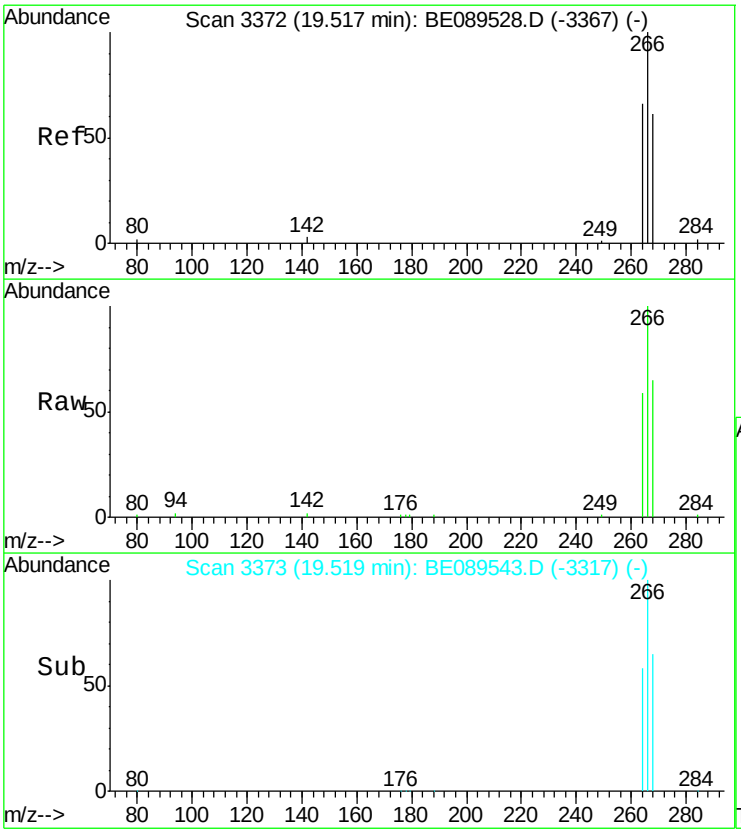
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.84 min Scan# 3409
Delta R.T. -0.01 min
Lab File: BE089543.D
Acq: 7 Feb 2015 2:54

Instrument :
BNA_E
ClientSampleId :
PB81635BSD

Tgt Ion:188 Resp: 67869

Ion	Ratio	Lower	Upper
188	100		
94	12.9	8.4	12.6#
80	14.0	8.6	12.8#

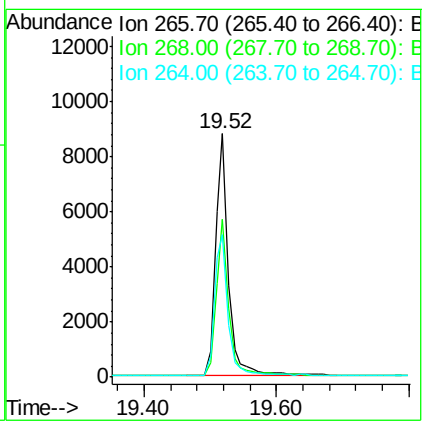


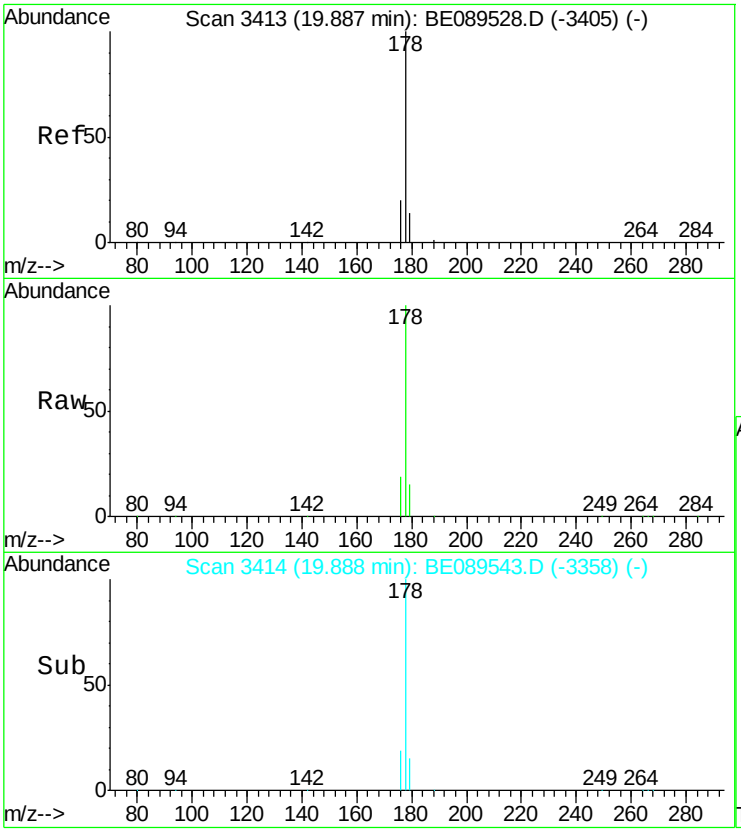


#12
Pentachlorophenol
Concen: 12.33 ng
RT: 19.52 min Scan# 3373
Delta R.T. 0.00 min
Lab File: BE089543.D
Acq: 7 Feb 2015 2:54

Tgt Ion:266 Resp: 11891

Ion	Ratio	Lower	Upper
266	100		
268	65.1	57.9	86.9
264	58.6	60.2	90.4#



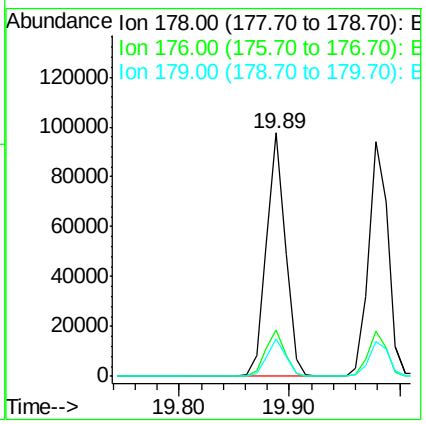


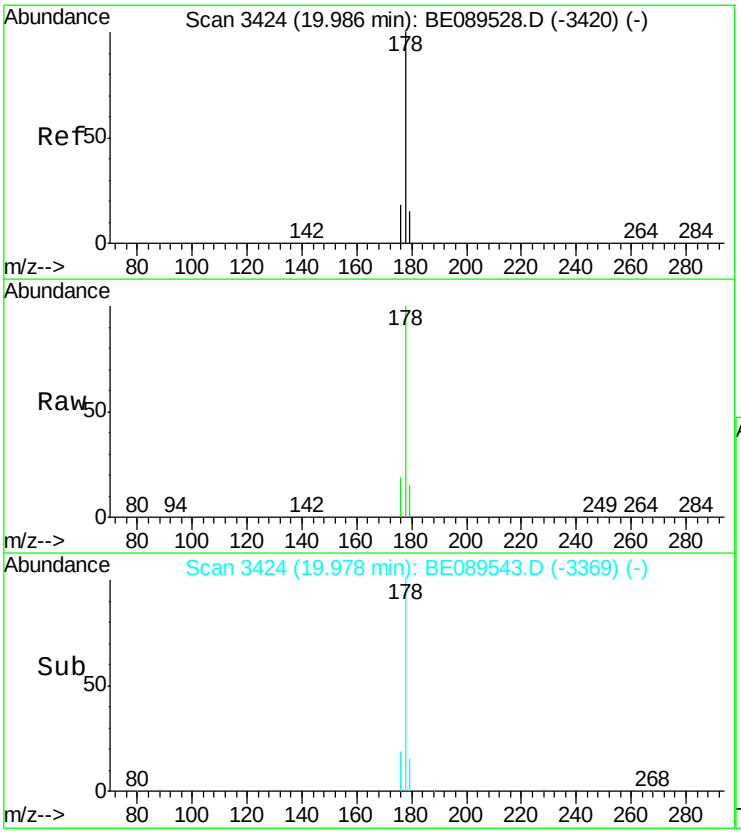
#13
Phenanthrene
Concen: 6.93 ng
RT: 19.89 min Scan# 3414
Delta R.T. 0.00 min
Lab File: BE089543.D
Acq: 7 Feb 2015 2:54

Instrument :
BNA_E
ClientSampleId :
PB81635BSD

Tgt Ion:178 Resp: 116492

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.3	12.2	18.2

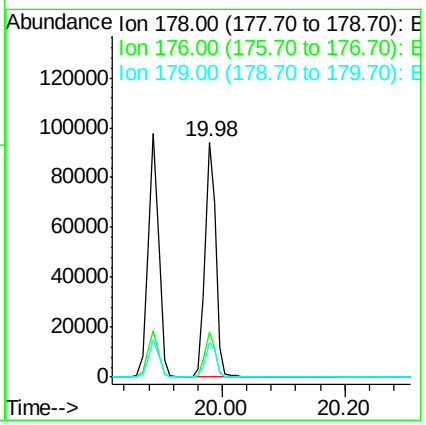


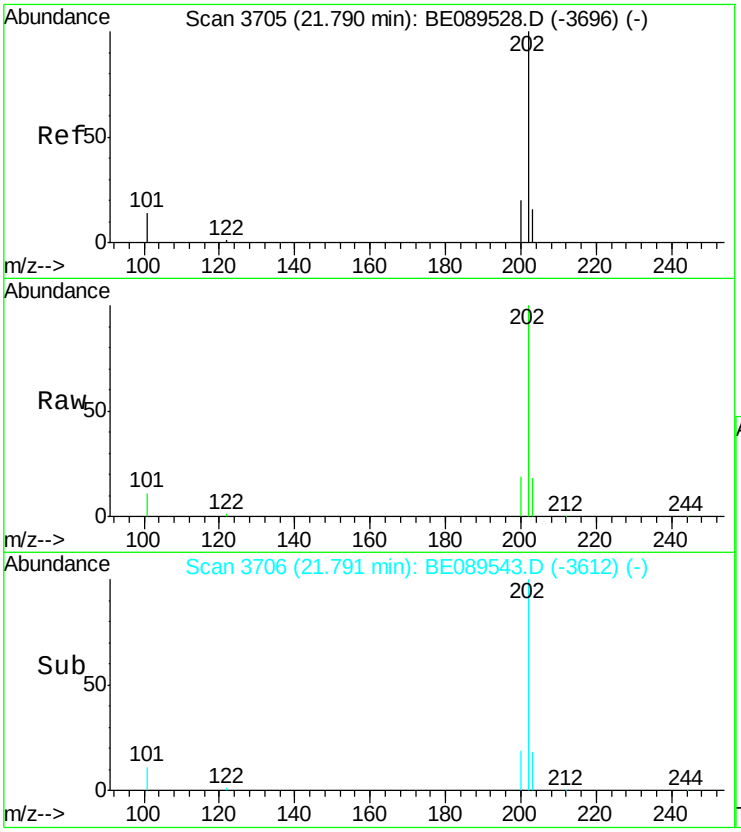


#14
Anthracene
Concen: 8.17 ng
RT: 19.98 min Scan# 3424
Delta R.T. -0.01 min
Lab File: BE089543.D
Acq: 7 Feb 2015 2:54

Tgt Ion:178 Resp: 116071

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.5	21.7
179	14.9	12.2	18.2



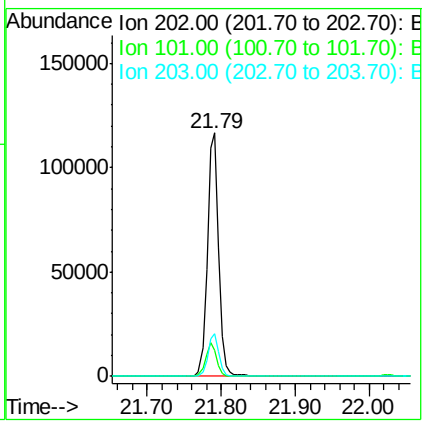


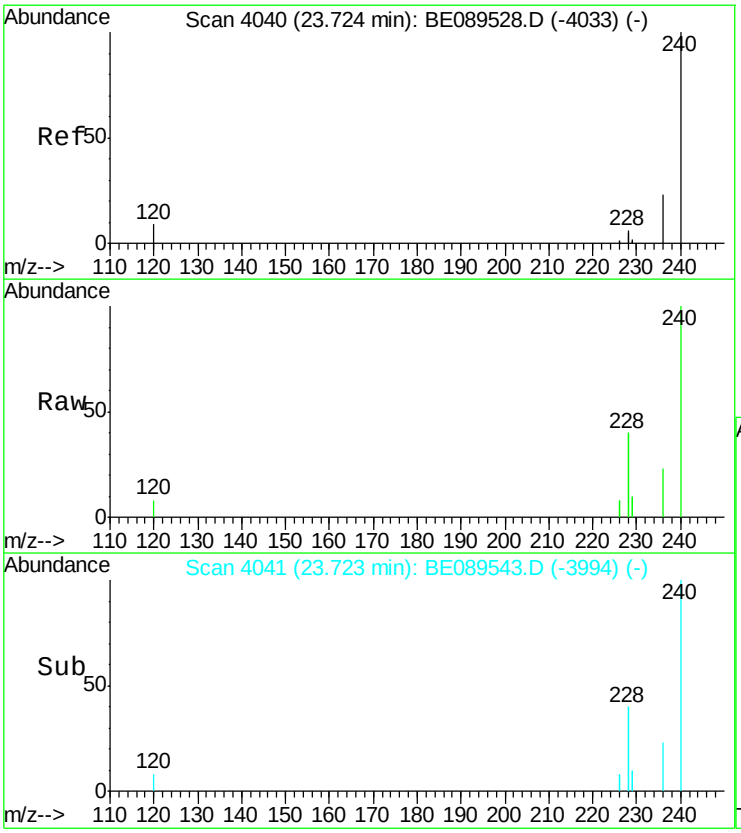
#15
Fluoranthene
Concen: 7.82 ng
RT: 21.79 min Scan# 3706
Delta R.T. 0.00 min
Lab File: BE089543.D
Acq: 7 Feb 2015 2:54

Instrument :
BNA_E
ClientSampleId :
PB81635BSD

Tgt Ion:202 Resp: 122526

Ion	Ratio	Lower	Upper
202	100		
101	13.2	11.6	17.4
203	17.1	13.6	20.4

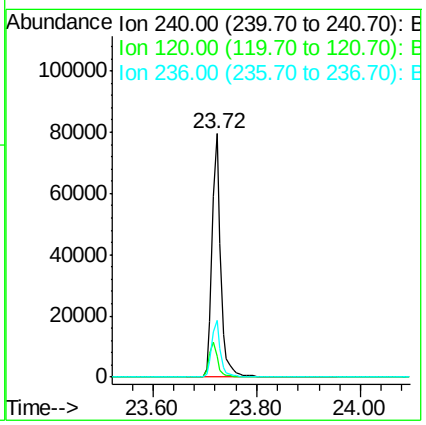


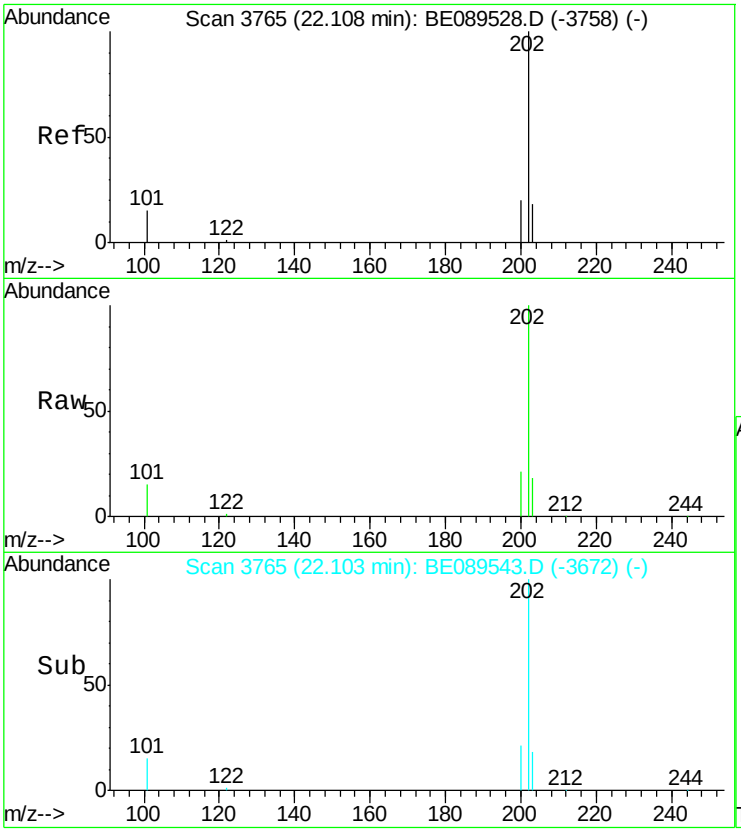


#16
Chrysene-d12
Concen: 5.00 ng
RT: 23.72 min Scan# 4041
Delta R.T. -0.00 min
Lab File: BE089543.D
Acq: 7 Feb 2015 2:54

Tgt Ion:240 Resp: 90075

Ion	Ratio	Lower	Upper
240	100		
120	8.4	7.2	10.8
236	23.1	18.5	27.7



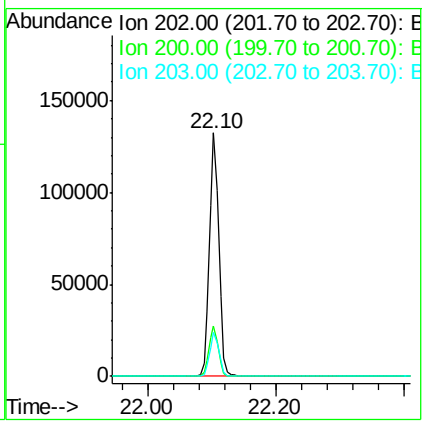


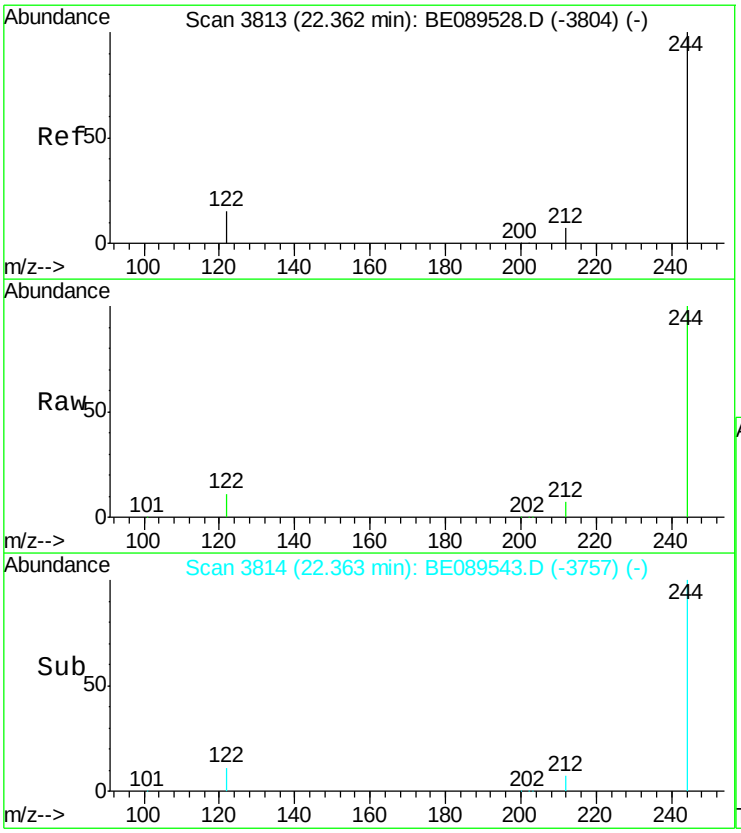
#17
Pyrene
Concen: 7.11 ng
RT: 22.10 min Scan# 3765
Delta R.T. -0.00 min
Lab File: BE089543.D
Acq: 7 Feb 2015 2:54

Instrument :
BNA_E
ClientSampleId :
PB81635BSD

Tgt Ion:202 Resp: 136430

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.3	24.5
203	17.8	13.5	20.3

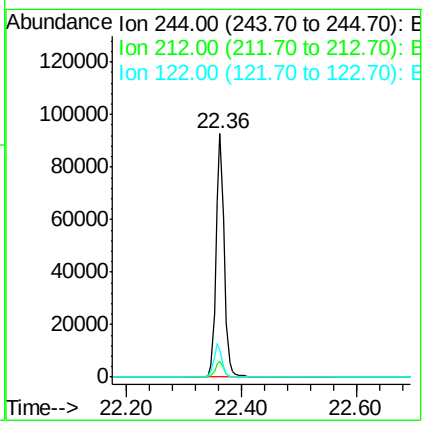


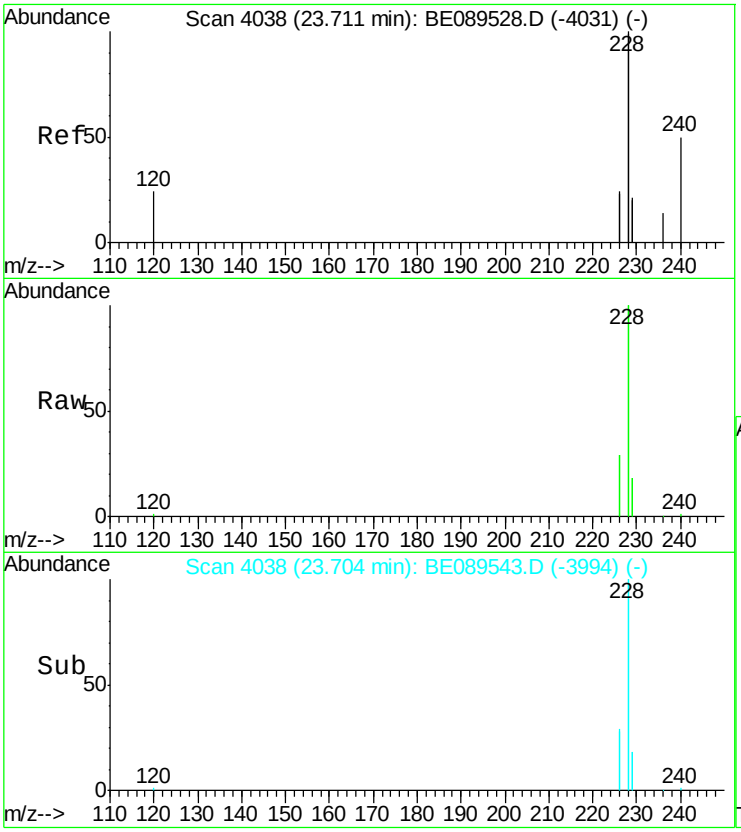


#18
Terphenyl-d14
Concen: 7.56 ng
RT: 22.36 min Scan# 3814
Delta R.T. 0.00 min
Lab File: BE089543.D
Acq: 7 Feb 2015 2:54

Tgt Ion:244 Resp: 89815

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	11.4	12.6	19.0#



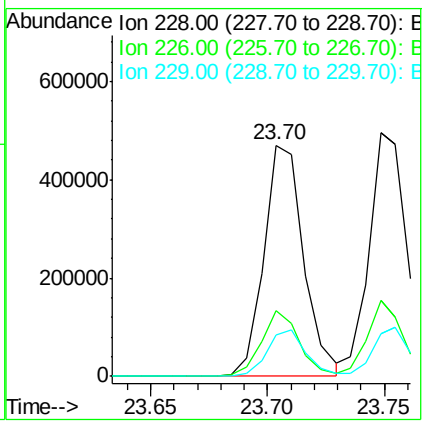


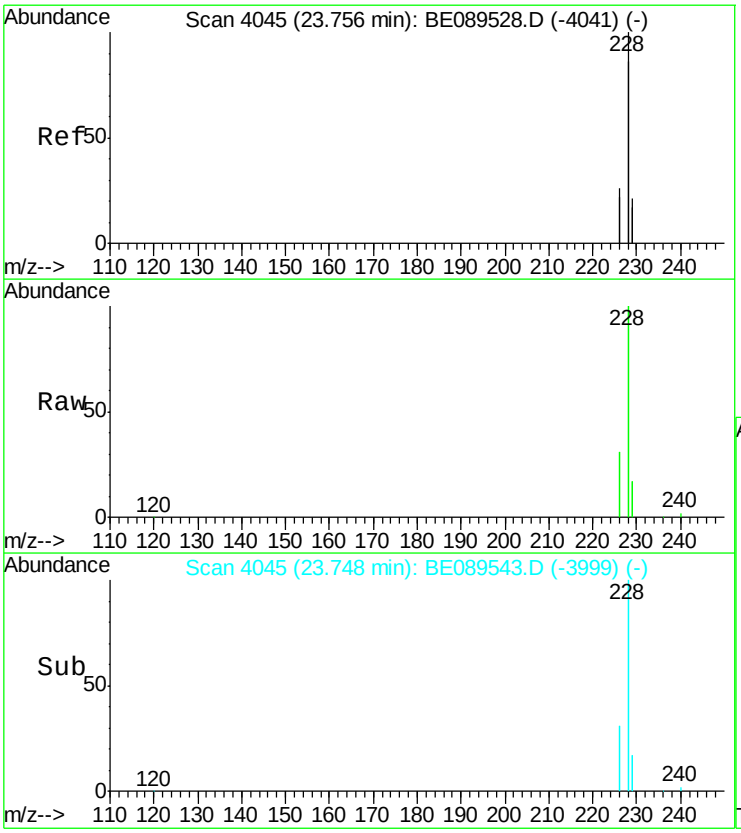
#19
Benzo(a)anthracene
Concen: 7.01 ng
RT: 23.70 min Scan# 4038
Delta R.T. -0.01 min
Lab File: BE089543.D
Acq: 7 Feb 2015 2:54

Instrument :
BNA_E
ClientSampleId :
PB81635BSD

Tgt Ion:228 Resp: 561650

Ion	Ratio	Lower	Upper
228	100		
226	28.5	19.0	28.4#
229	17.7	16.8	25.2

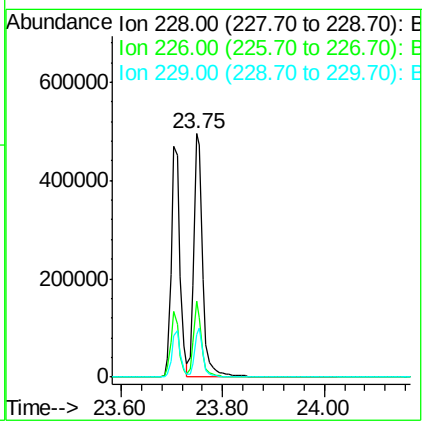


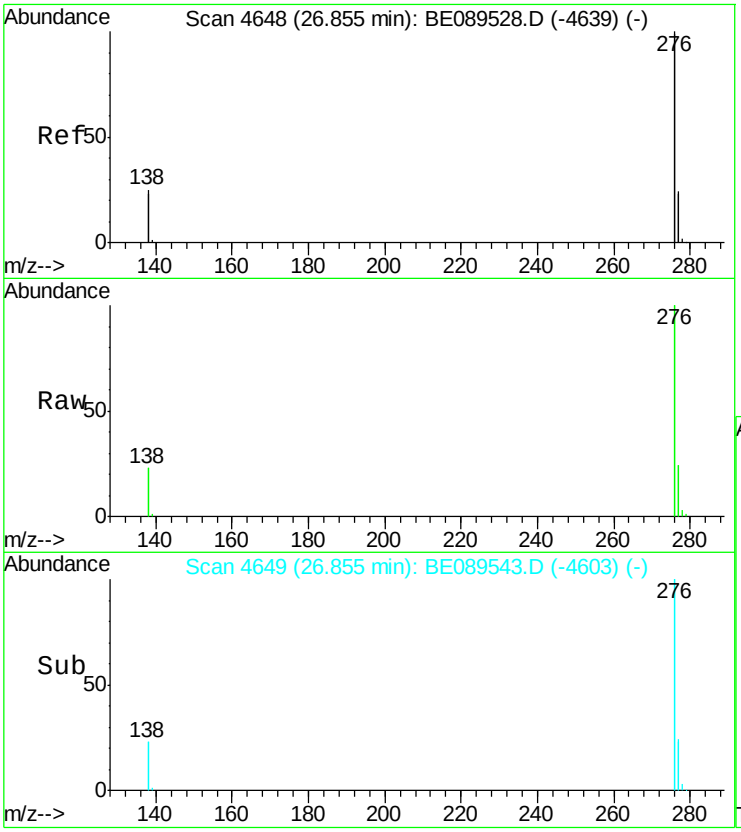


#20
Chrysene
Concen: 7.40 ng
RT: 23.75 min Scan# 4045
Delta R.T. -0.01 min
Lab File: BE089543.D
Acq: 7 Feb 2015 2:54

Tgt Ion:228 Resp: 602199

Ion	Ratio	Lower	Upper
228	100		
226	31.4	21.0	31.4
229	17.3	16.7	25.1



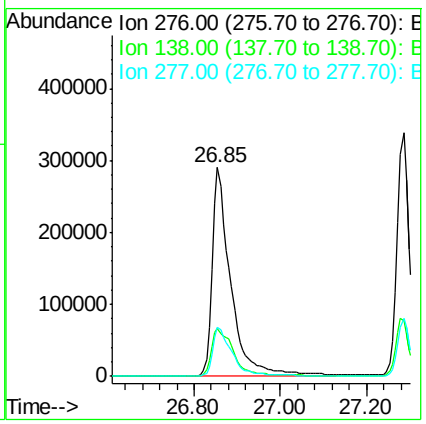


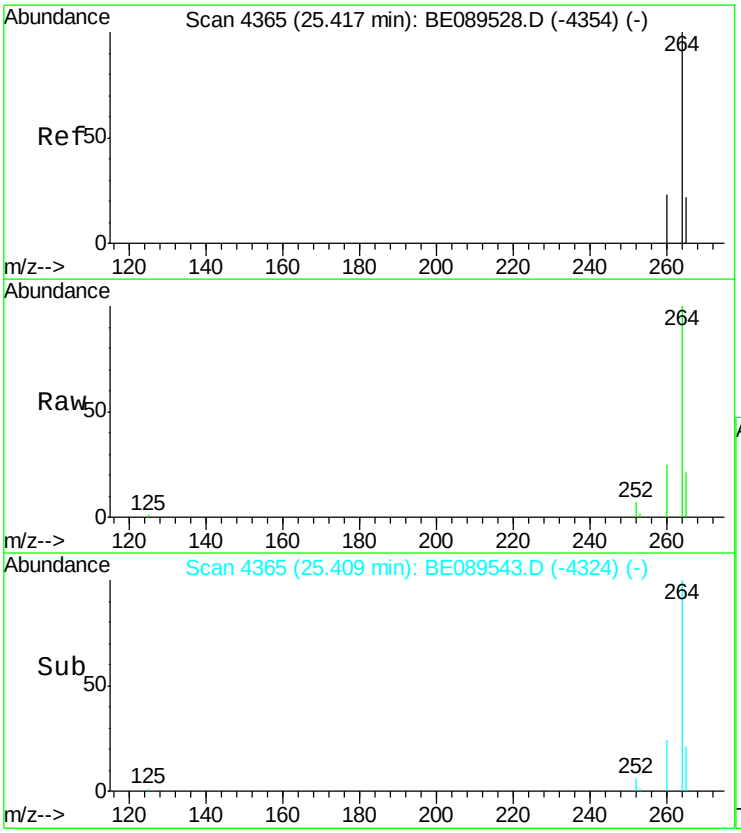
#21
Indeno(1,2,3-cd)pyrene
Concen: 7.63 ng
RT: 26.85 min Scan# 4649
Delta R.T. 0.00 min
Lab File: BE089543.D
Acq: 7 Feb 2015 2:54

Instrument :
BNA_E
ClientSampleId :
PB81635BSD

Tgt Ion:276 Resp: 863530

Ion	Ratio	Lower	Upper
276	100		
138	27.9	23.0	34.4
277	25.2	19.9	29.9

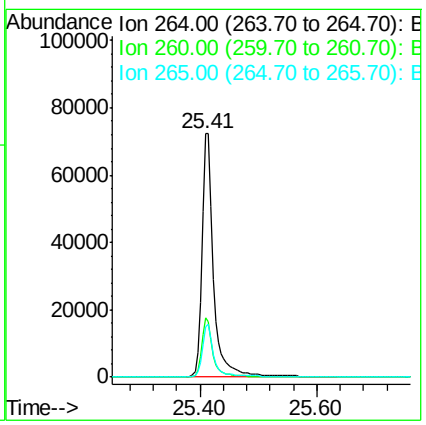


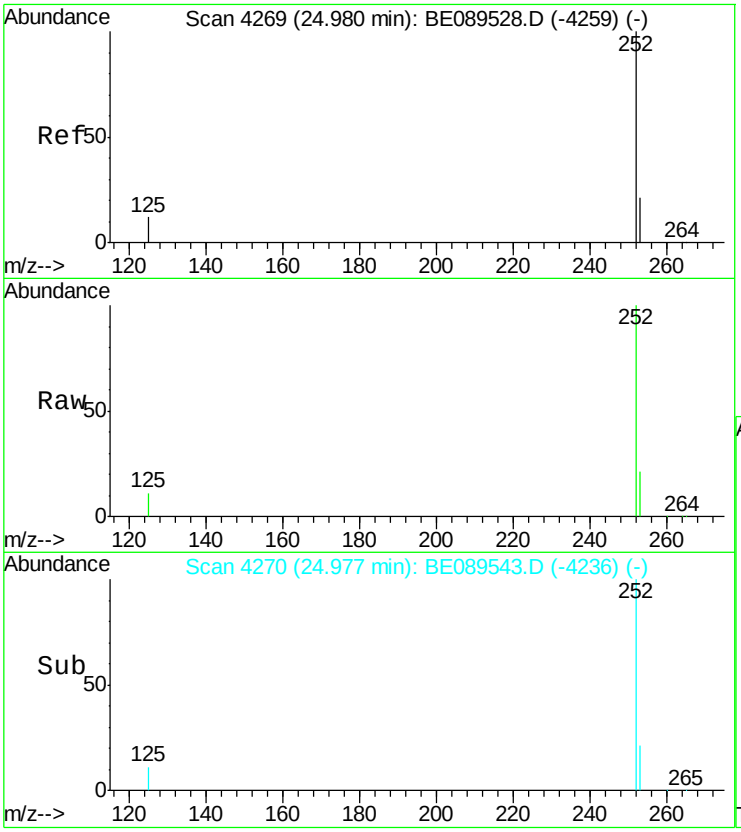


#22
Perylene-d12
Concen: 5.00 ng
RT: 25.41 min Scan# 4365
Delta R.T. -0.01 min
Lab File: BE089543.D
Acq: 7 Feb 2015 2:54

Tgt Ion:264 Resp: 102324

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.7	28.1
265	20.7	17.5	26.3



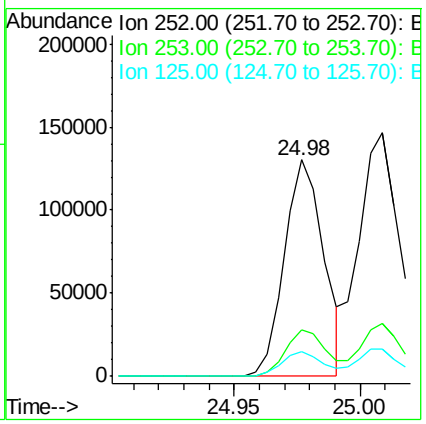


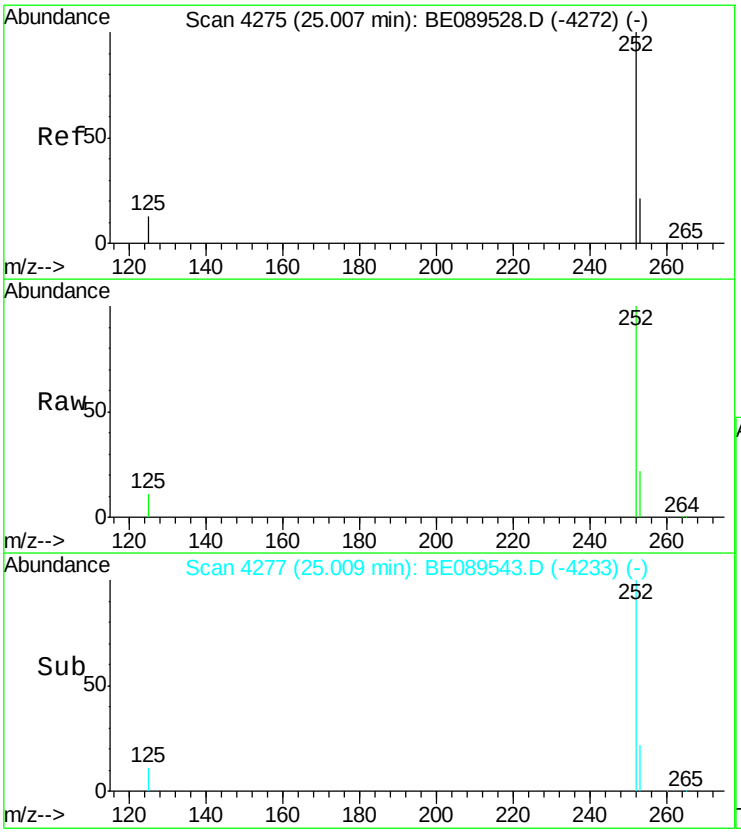
#23
Benzo(b)fluoranthene
Concen: 7.11 ng
RT: 24.98 min Scan# 4270
Delta R.T. -0.00 min
Lab File: BE089543.D
Acq: 7 Feb 2015 2:54

Instrument :
BNA_E
ClientSampleId :
PB81635BSD

Tgt Ion:252 Resp: 141248

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.0
125	11.5	10.4	15.6

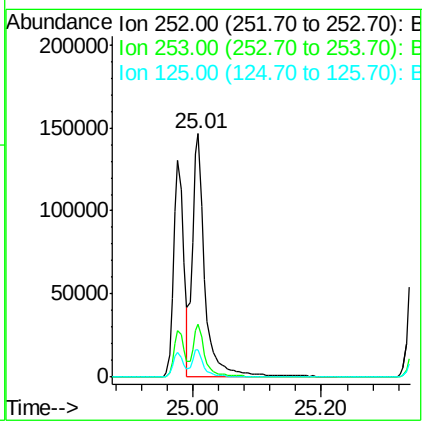


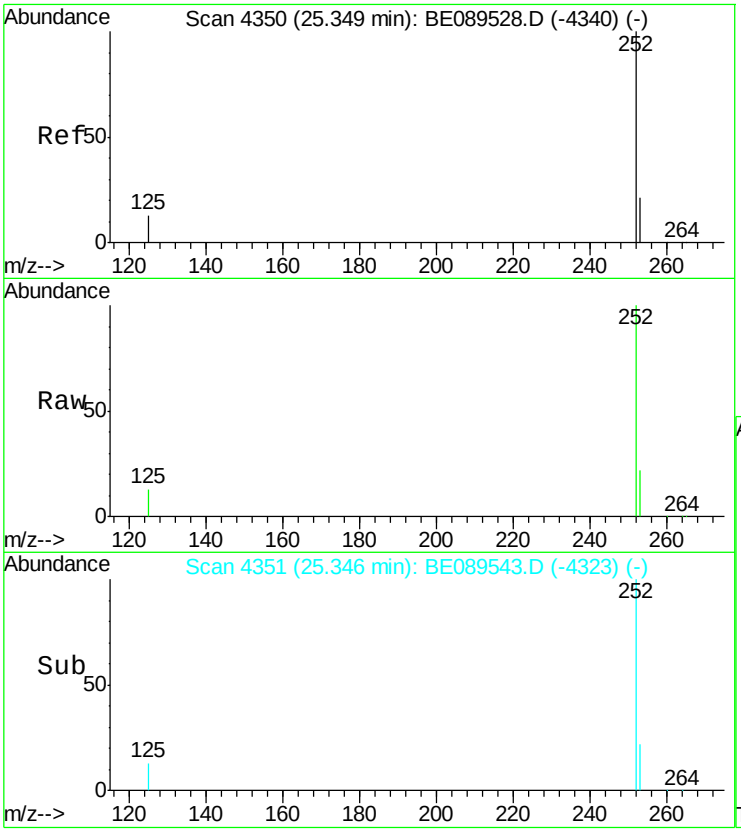


#24
Benzo(k)fluoranthene
Concen: 7.89 ng
RT: 25.01 min Scan# 4277
Delta R.T. 0.00 min
Lab File: BE089543.D
Acq: 7 Feb 2015 2:54

Tgt Ion:252 Resp: 194915

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	11.0	10.6	15.8



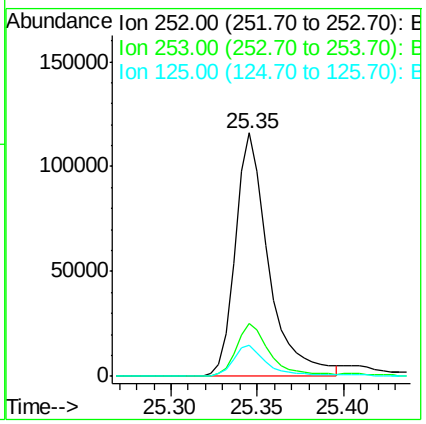


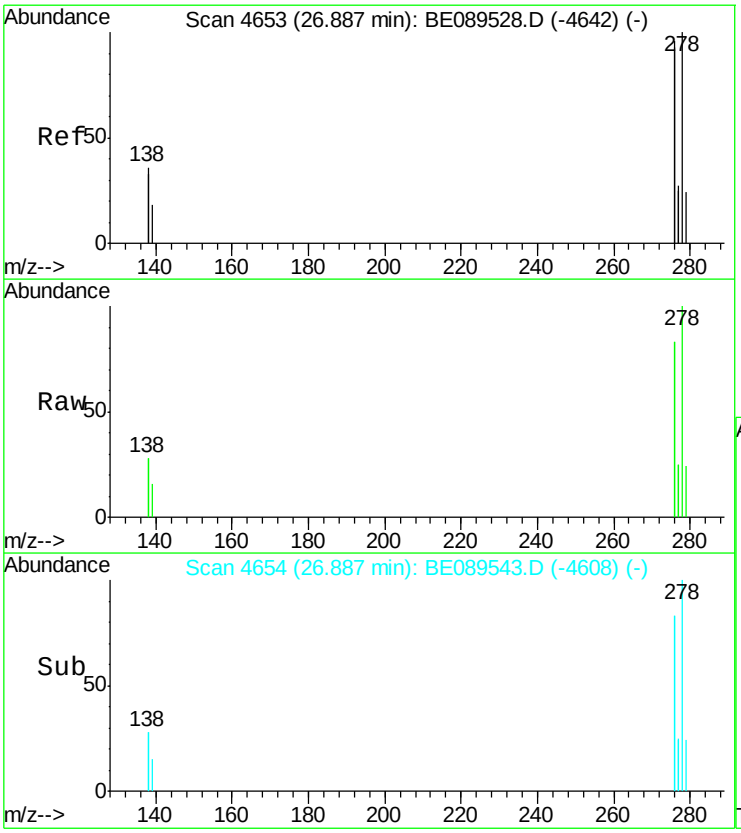
#25
Benzo(a)pyrene
Concen: 7.86 ng
RT: 25.35 min Scan# 4351
Delta R.T. -0.00 min
Lab File: BE089543.D
Acq: 7 Feb 2015 2:54

Instrument :
BNA_E
ClientSampleId :
PB81635BSD

Tgt Ion:252 Resp: 155410

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.6
125	12.6	11.4	17.2

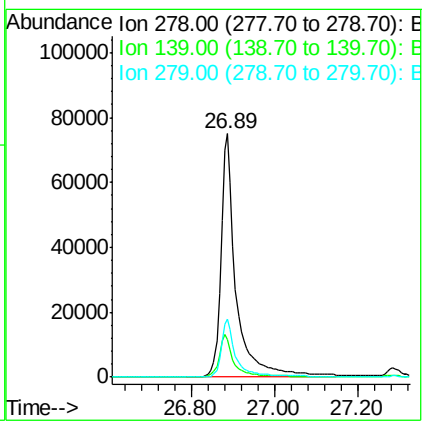


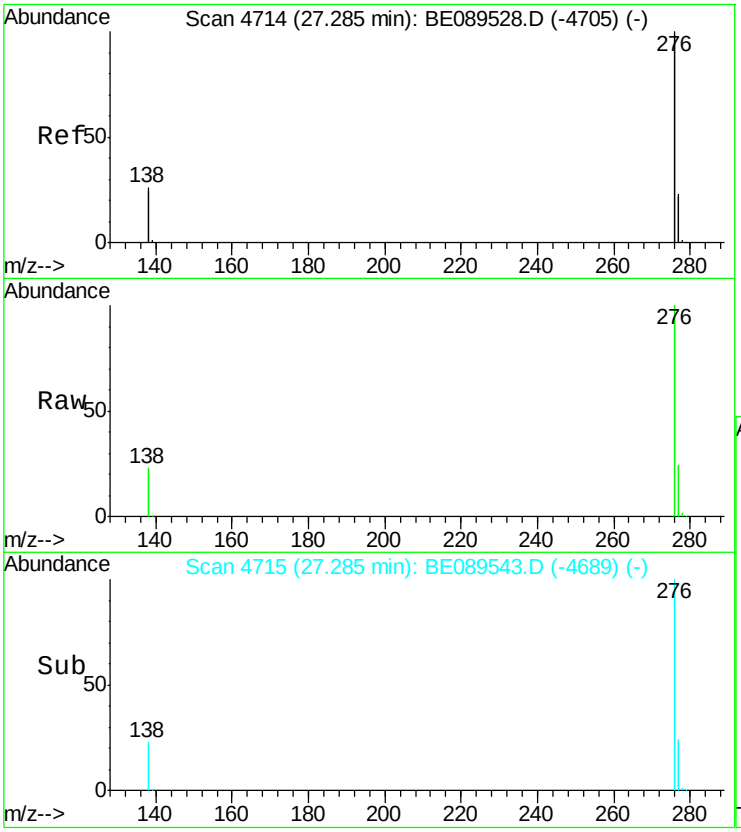


#26
Dibenzo(a,h)anthracene
Concen: 7.88 ng
RT: 26.89 min Scan# 4654
Delta R.T. 0.00 min
Lab File: BE089543.D
Acq: 7 Feb 2015 2:54

Tgt Ion:278 Resp: 191108

Ion	Ratio	Lower	Upper
278	100		
139	15.5	15.7	23.5#
279	24.0	19.5	29.3





#27
Benzo(g,h,i)perylene
Concen: 7.69 ng
RT: 27.29 min Scan# 4715
Delta R.T. 0.00 min
Lab File: BE089543.D
Acq: 7 Feb 2015 2:54

Instrument :
BNA_E
ClientSampleId :
PB81635BSD

Tgt Ion:276 Resp: 760970

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.6	27.8
138	22.9	20.9	31.3