Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE013015\
Data File : BE089456.D
Acq On : 31 Jan 2015 4:28
Operator : TP/IZ
Sample : PB81559BS
Misc : 4 TIME INT STD
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Feb 02 01:01:03 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE013015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 31 05:05:18 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.59	152	258651	5.00	ng	0.00
2) Naphthalene-d8	12.50	136	986086	5.00	ng	0.00
6) Acenaphthene-d10	16.70	164	385911	5.00	ng	0.00
11) Phenanthrene-d10	19.99	188	640786	5.00	ng	0.00
16) Chrysene-d12	23.85	240	524931	5.00	ng	0.00
22) Perylene-d12	25.56	264	499809	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	10.87	82	1567564	24.01	ng	0.02
7) 2-Fluorobiphenyl	15.15	172	2056537	20.23	ng	0.01
18) Terphenyl-d14	22.49	244	1551504	19.74	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	12.55	128	1959446	8.47	ng	100
5) 2-Methylnaphthalene	14.21	142	1213627	8.68	ng	96
8) Acenaphthylene	16.35	152	6320516	9.11	ng	100
9) Acenaphthene	16.77	154	912982	8.75	ng	99
10) Fluorene	18.03	166	1027078	8.86	ng	99
12) Pentachlorophenol	19.67	266	318321	22.58	ng	93
13) Phenanthrene	20.04	178	5533447	8.79	ng	99
14) Anthracene	20.13	178	5569176	9.69	ng	100
15) Fluoranthene	21.92	202	1265958	9.21	ng	98
17) Pyrene	22.24	202	1308745	9.40	ng	98
19) Benzo(a)anthracene	23.83	228	4445006	10.05	ng	97
20) Chrysene	23.88	228	4311613	8.65	ng	93
21) Indeno(1,2,3-cd)pyrene	27.08	276	5030942	11.56	ng	99
23) Benzo(b)fluoranthene	25.11	252	1030654	11.34	ng	97
24) Benzo(k)fluoranthene	25.14	252	1199507	9.42	ng	99
25) Benzo(a)pyrene	25.49	252	1028539	11.24	ng	99
26) Dibenzo(a,h)anthracene	27.10	278	1101521	10.59	ng	98
27) Benzo(g,h,i)perylene	27.53	276	4260847	10.65	ng	96

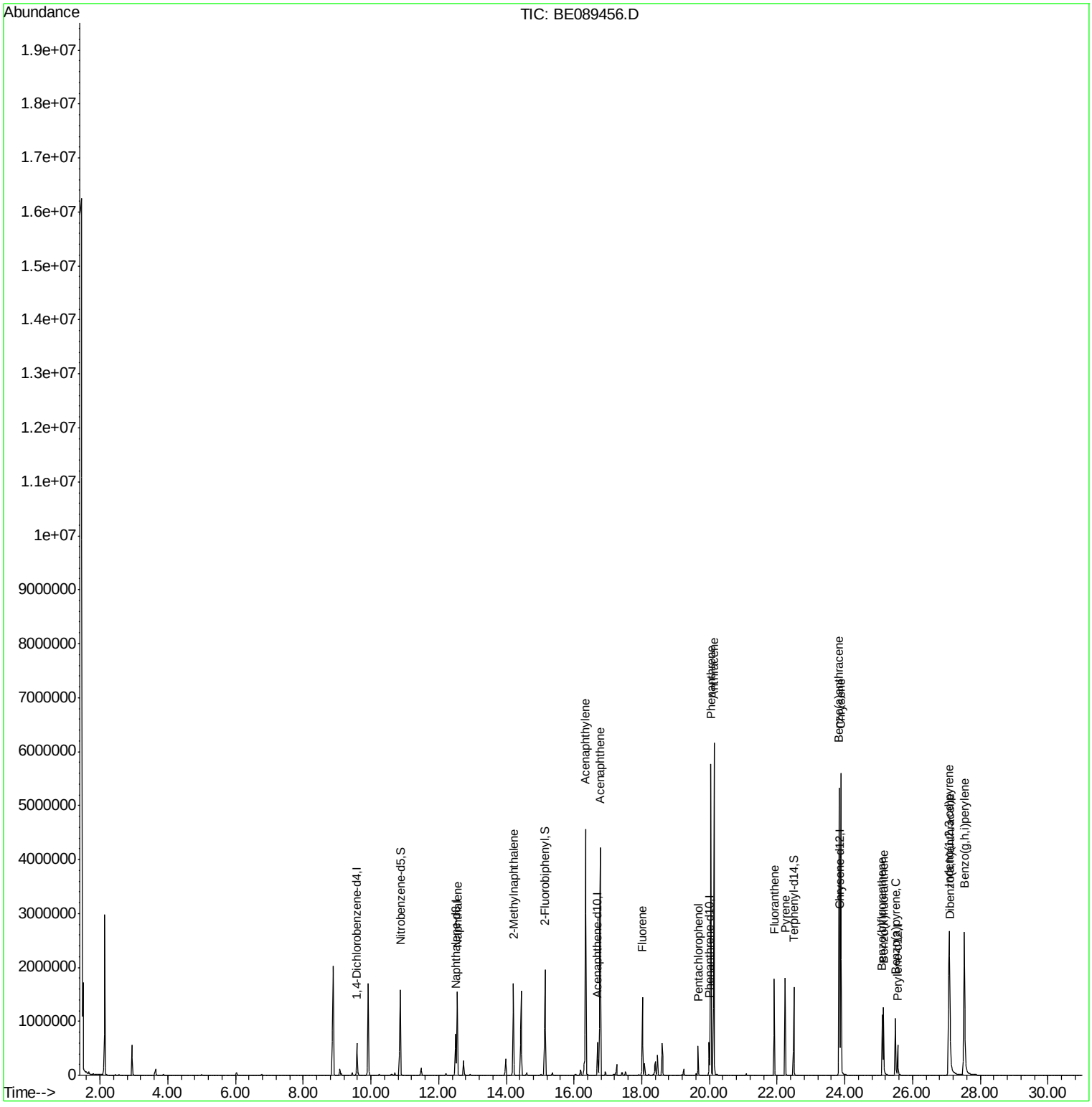
(#) = qualifier out of range (m) = manual integration (+) = signals summed

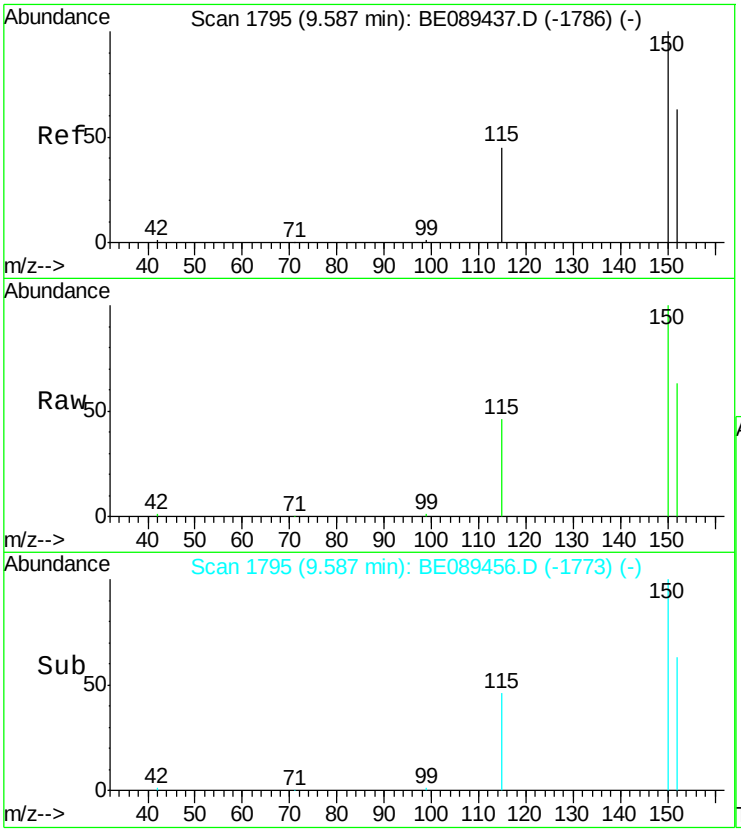
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE013015\
Data File : BE089456.D
Acq On : 31 Jan 2015 4:28
Operator : TP/IZ
Sample : PB81559BS
Misc : 4 TIME INT STD
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Feb 02 01:01:03 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE013015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 31 05:05:18 2015
Response via : Initial Calibration



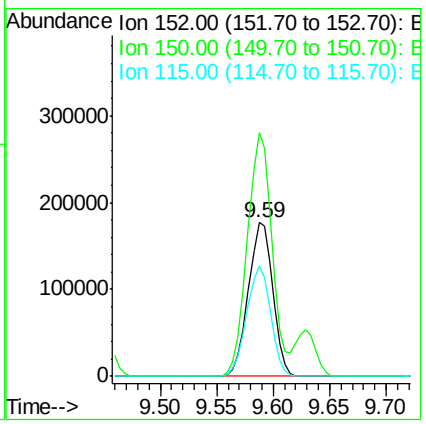


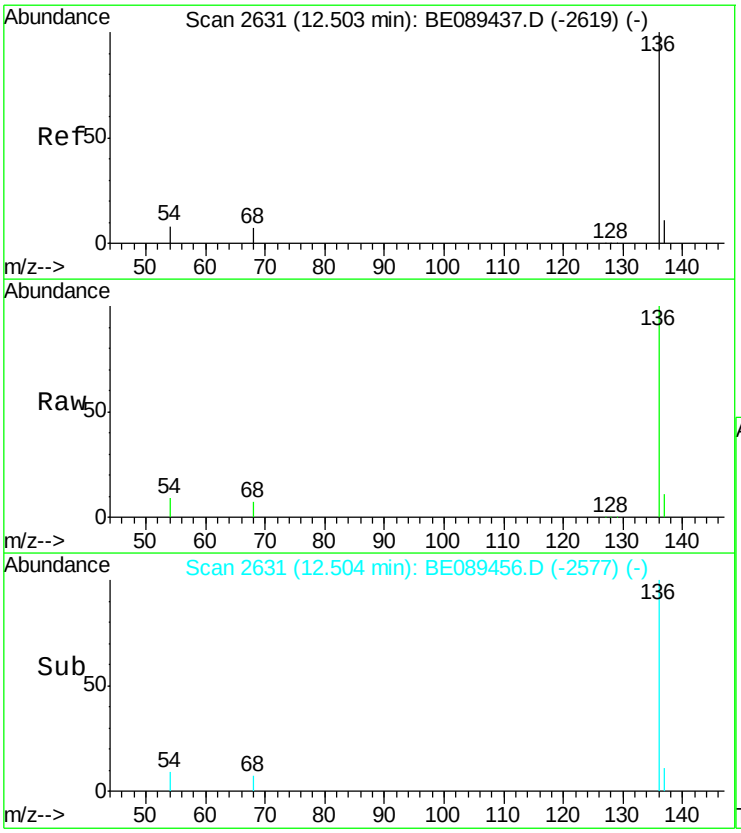
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 9.59 min Scan# 1795
Delta R.T. -0.00 min
Lab File: BE089456.D
Acq: 31 Jan 2015 4:28

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 258651

Ion	Ratio	Lower	Upper
152	100		
150	158.3	127.2	190.8
115	72.2	57.5	86.3

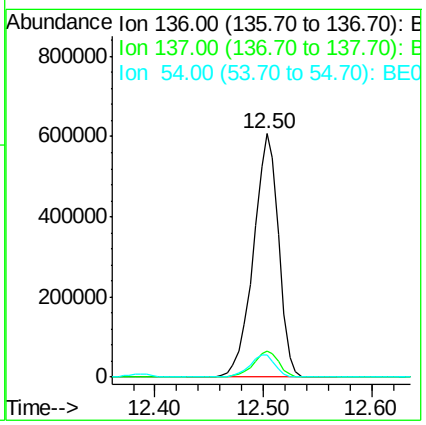


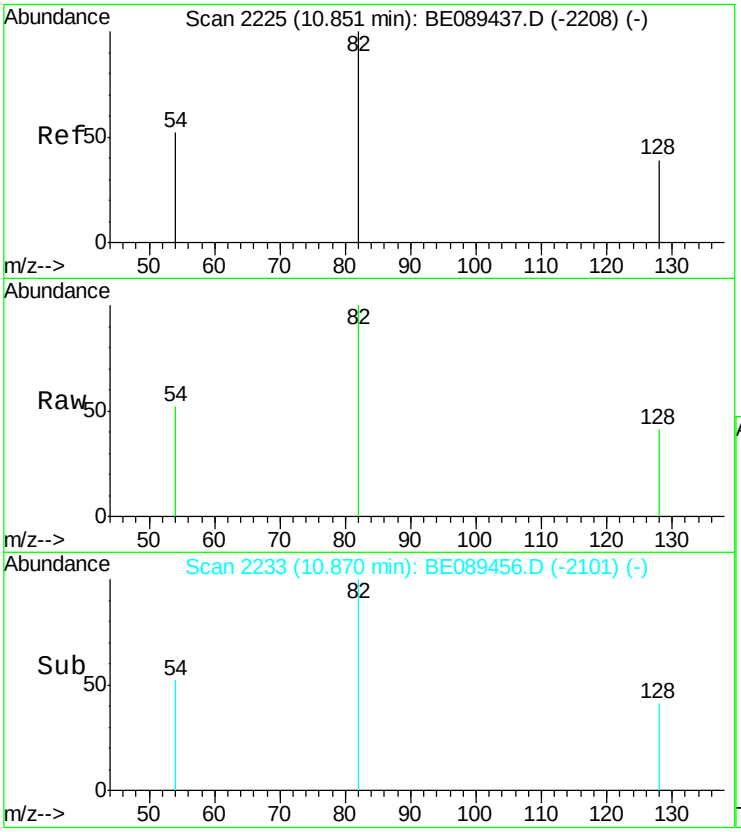


#2
Naphthalene-d8
Concen: 5.00 ng
RT: 12.50 min Scan# 2631
Delta R.T. 0.00 min
Lab File: BE089456.D
Acq: 31 Jan 2015 4:28

Tgt Ion:136 Resp: 986086

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	9.0	6.6	10.0



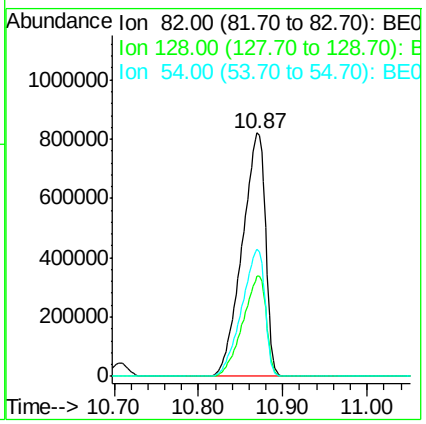


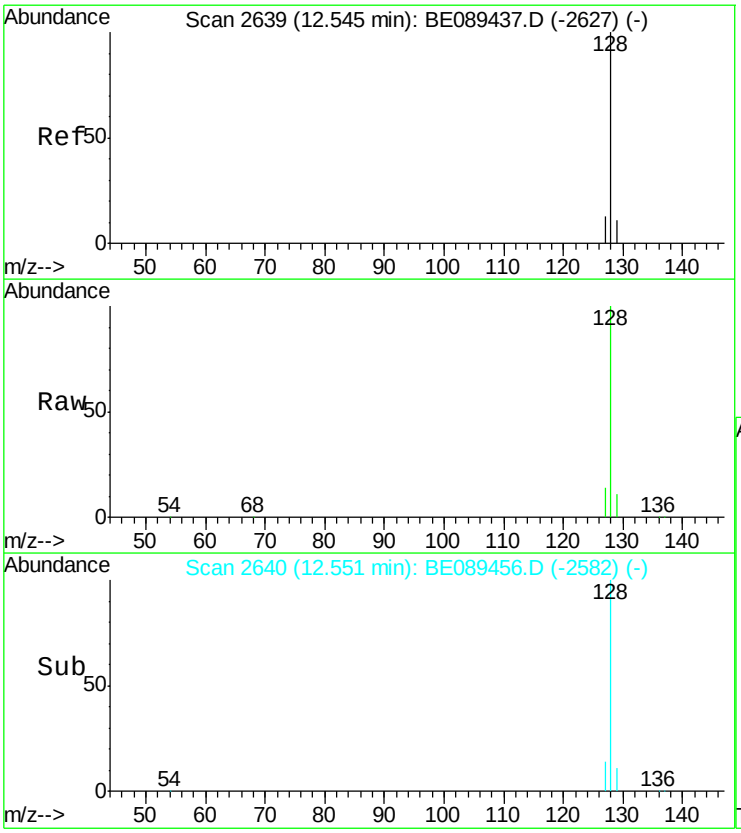
#3
Nitrobenzene-d5
Concen: 24.01 ng
RT: 10.87 min Scan# 2233
Delta R.T. 0.02 min
Lab File: BE089456.D
Acq: 31 Jan 2015 4:28

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 82 Resp: 1567564

Ion	Ratio	Lower	Upper
82	100		
128	40.9	31.2	46.8
54	52.4	41.9	62.9

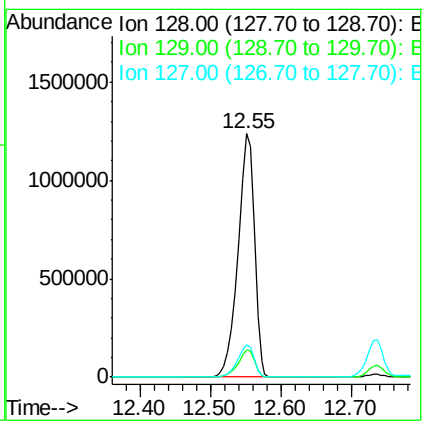


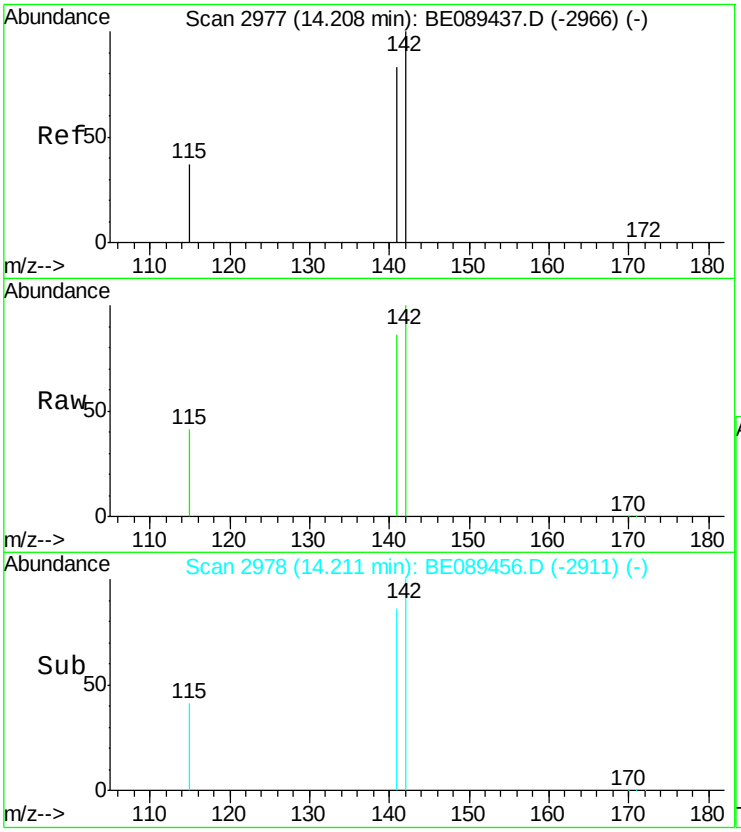


#4
Naphthalene
Concen: 8.47 ng
RT: 12.55 min Scan# 2640
Delta R.T. 0.01 min
Lab File: BE089456.D
Acq: 31 Jan 2015 4:28

Tgt Ion:128 Resp: 1959446

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.5	10.6	16.0



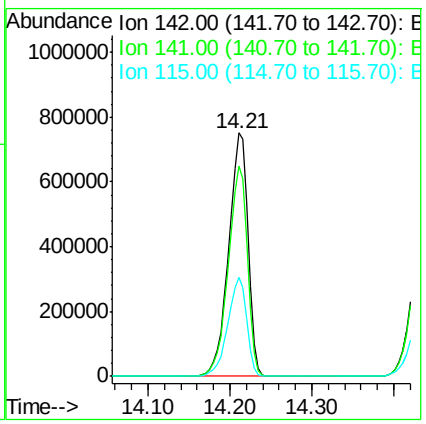


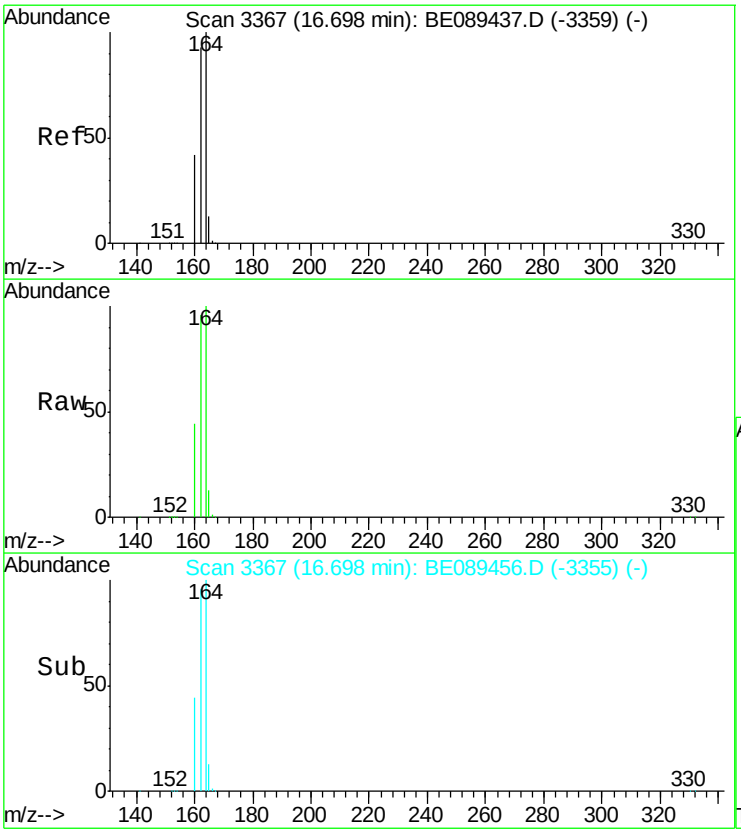
#5
2-Methylnaphthalene
Concen: 8.68 ng
RT: 14.21 min Scan# 2978
Delta R.T. 0.00 min
Lab File: BE089456.D
Acq: 31 Jan 2015 4:28

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:142 Resp: 1213627

Ion	Ratio	Lower	Upper
142	100		
141	86.2	66.1	99.1
115	40.7	29.9	44.9

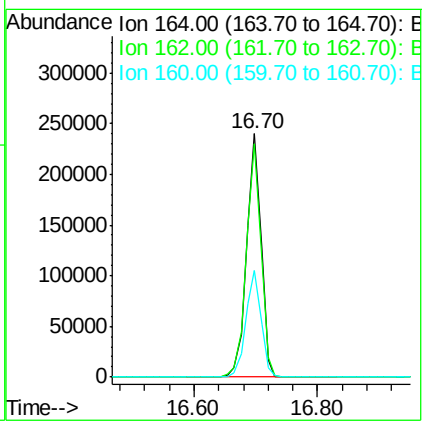


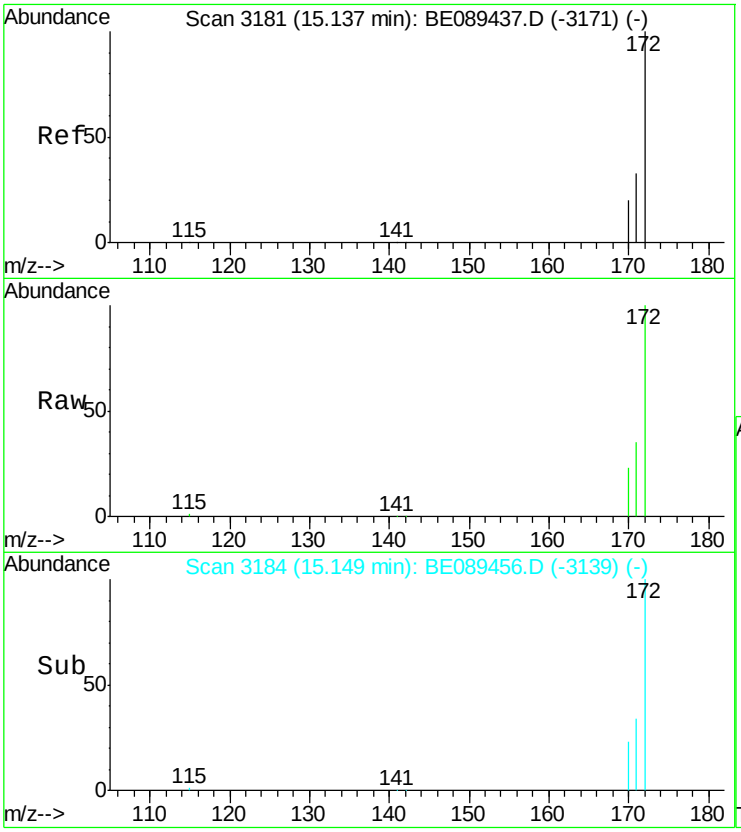


#6
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.70 min Scan# 3367
Delta R.T. 0.00 min
Lab File: BE089456.D
Acq: 31 Jan 2015 4:28

Tgt Ion:164 Resp: 385911

Ion	Ratio	Lower	Upper
164	100		
162	95.7	74.7	112.1
160	43.9	33.4	50.0



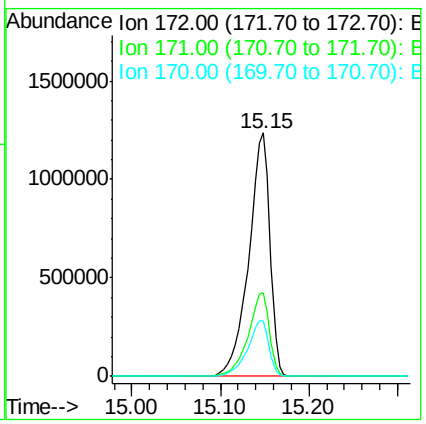


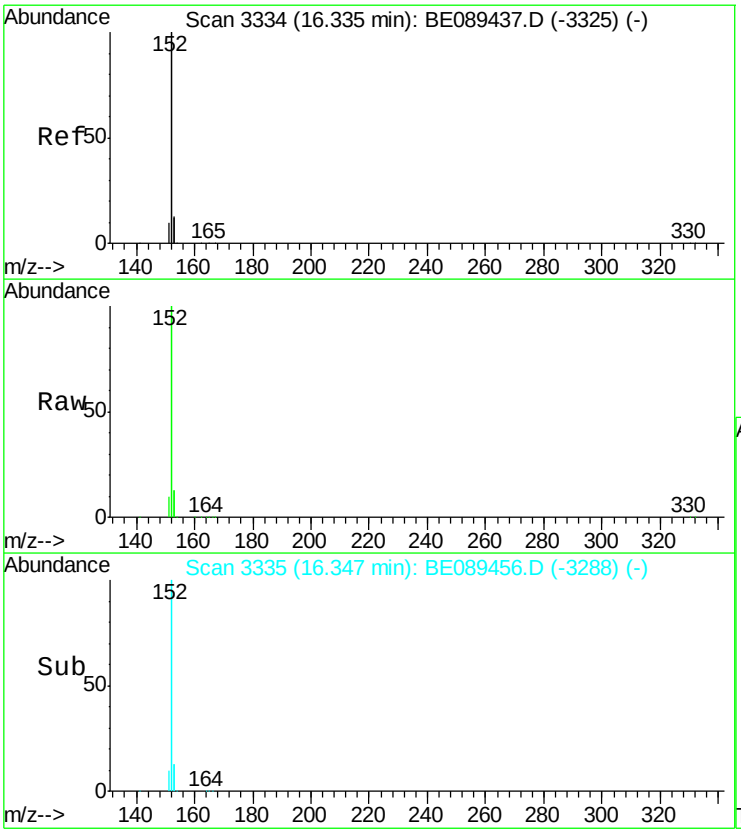
#7
2-Fluorobiphenyl
Concen: 20.23 ng
RT: 15.15 min Scan# 3184
Delta R.T. 0.01 min
Lab File: BE089456.D
Acq: 31 Jan 2015 4:28

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 2056537

Ion	Ratio	Lower	Upper
172	100		
171	34.5	26.2	39.4
170	22.7	16.5	24.7

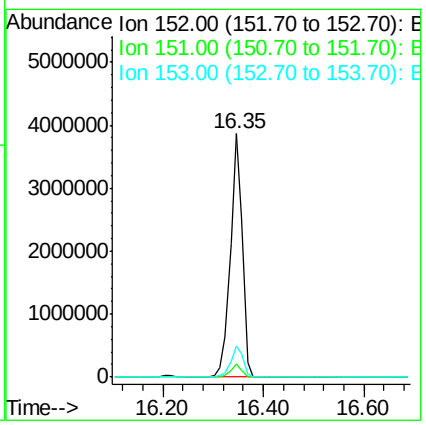


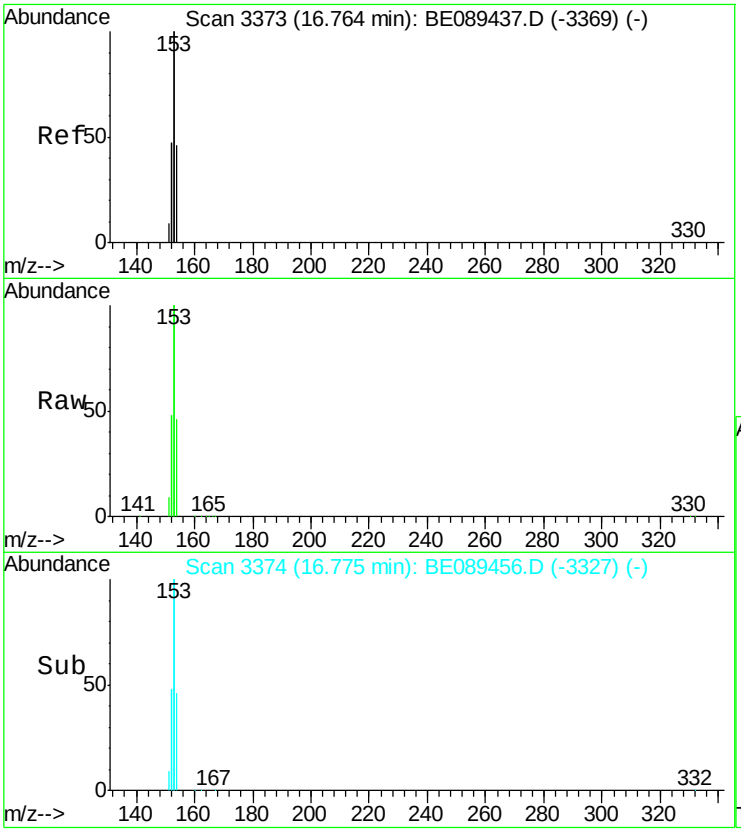


#8
Acenaphthylene
Concen: 9.11 ng
RT: 16.35 min Scan# 3335
Delta R.T. 0.01 min
Lab File: BE089456.D
Acq: 31 Jan 2015 4:28

Tgt Ion:152 Resp: 6320516

Ion	Ratio	Lower	Upper
152	100		
151	5.0	3.9	5.9
153	13.1	10.3	15.5



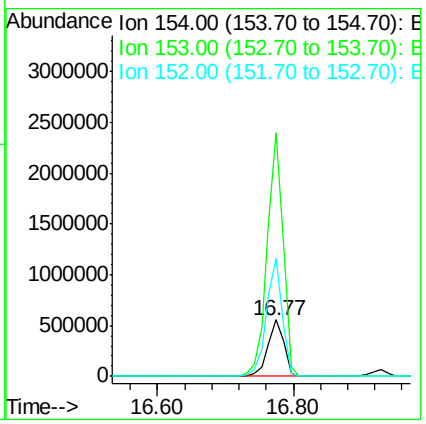


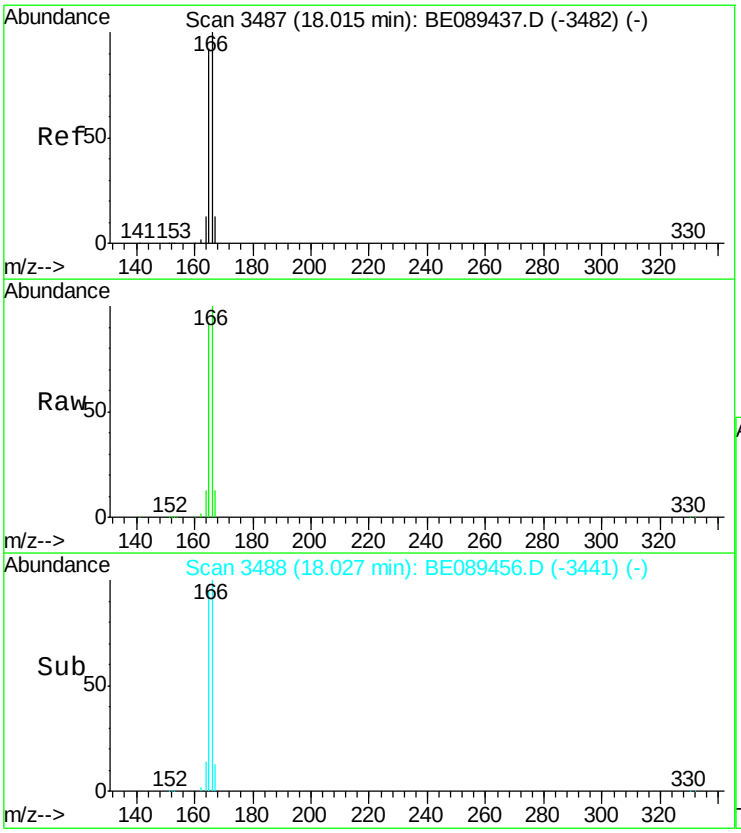
#9
Acenaphthene
Concen: 8.75 ng
RT: 16.77 min Scan# 3374
Delta R.T. 0.01 min
Lab File: BE089456.D
Acq: 31 Jan 2015 4:28

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 912982

Ion	Ratio	Lower	Upper
154	100		
153	425.6	342.3	513.5
152	205.4	165.5	248.3

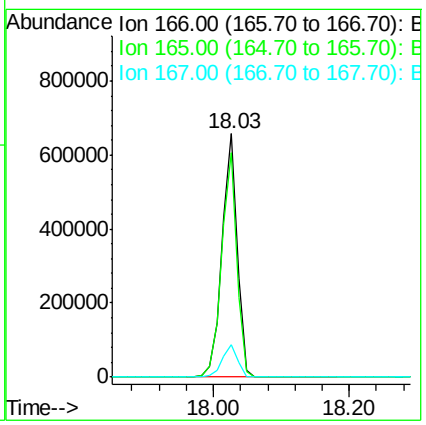


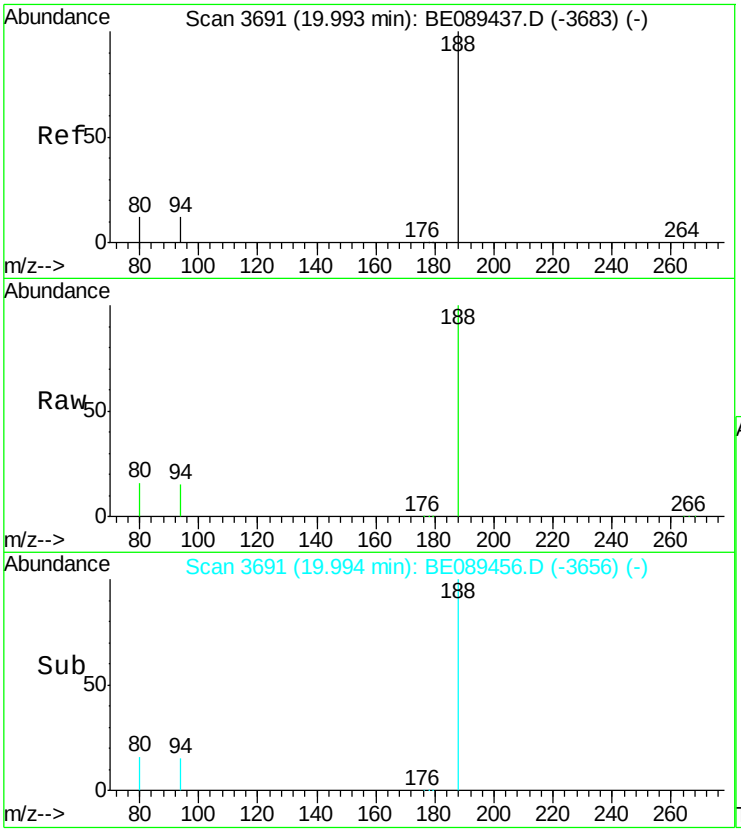


#10
Fluorene
Concen: 8.86 ng
RT: 18.03 min Scan# 3488
Delta R.T. 0.01 min
Lab File: BE089456.D
Acq: 31 Jan 2015 4:28

Tgt Ion:166 Resp: 1027078

Ion	Ratio	Lower	Upper
166	100		
165	92.3	74.4	111.6
167	13.2	10.6	15.8



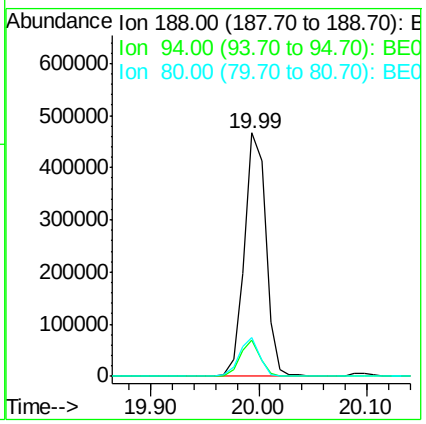


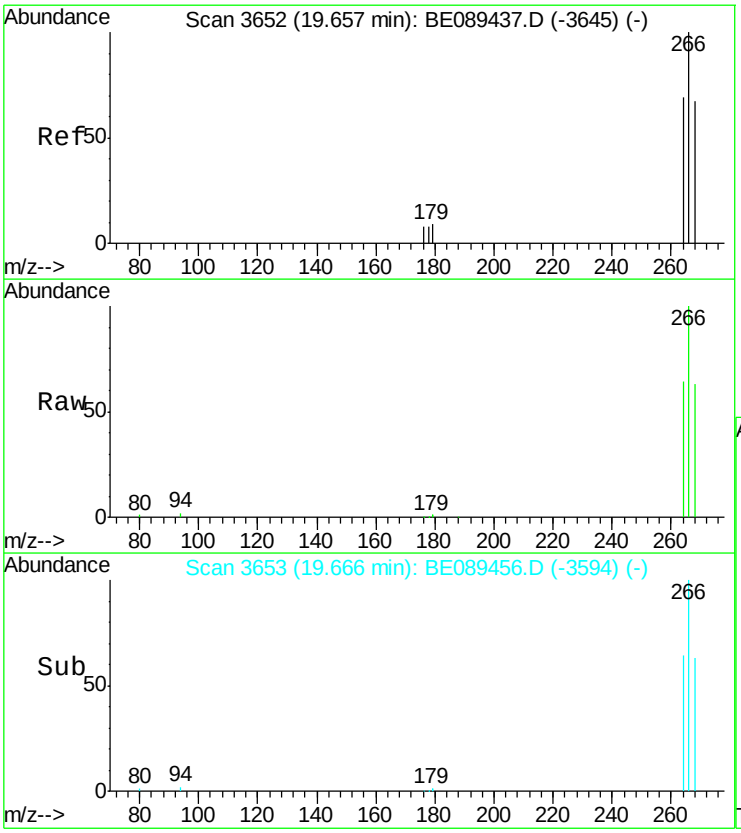
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3691
Delta R.T. 0.00 min
Lab File: BE089456.D
Acq: 31 Jan 2015 4:28

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 640786

Ion	Ratio	Lower	Upper
188	100		
94	14.7	9.4	14.0#
80	15.7	9.3	13.9#

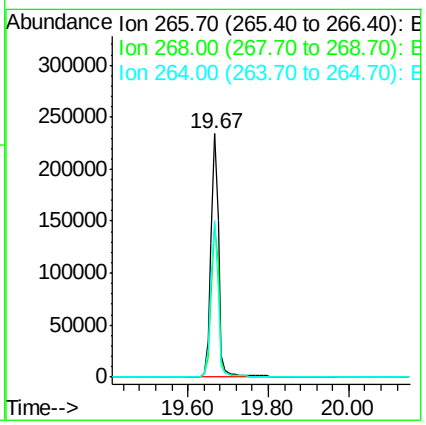


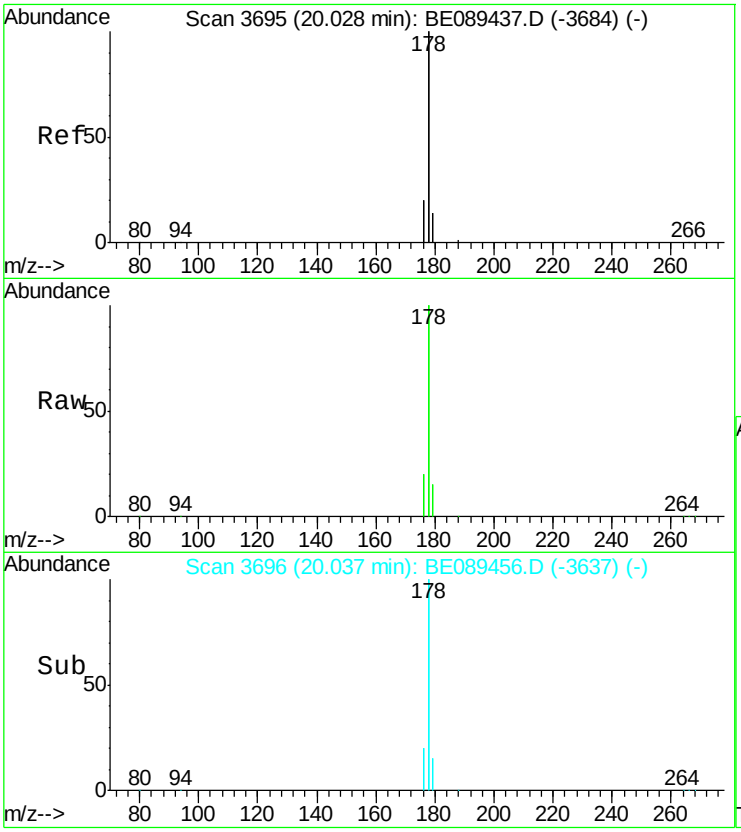


#12
Pentachlorophenol
Concen: 22.58 ng
RT: 19.67 min Scan# 3653
Delta R.T. 0.01 min
Lab File: BE089456.D
Acq: 31 Jan 2015 4:28

Tgt Ion:266 Resp: 318321

Ion	Ratio	Lower	Upper
266	100		
268	62.7	54.2	81.4
264	64.3	56.2	84.2



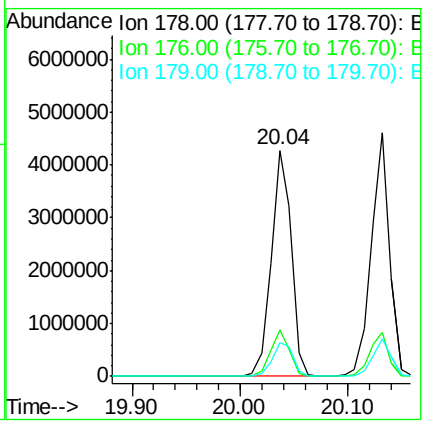


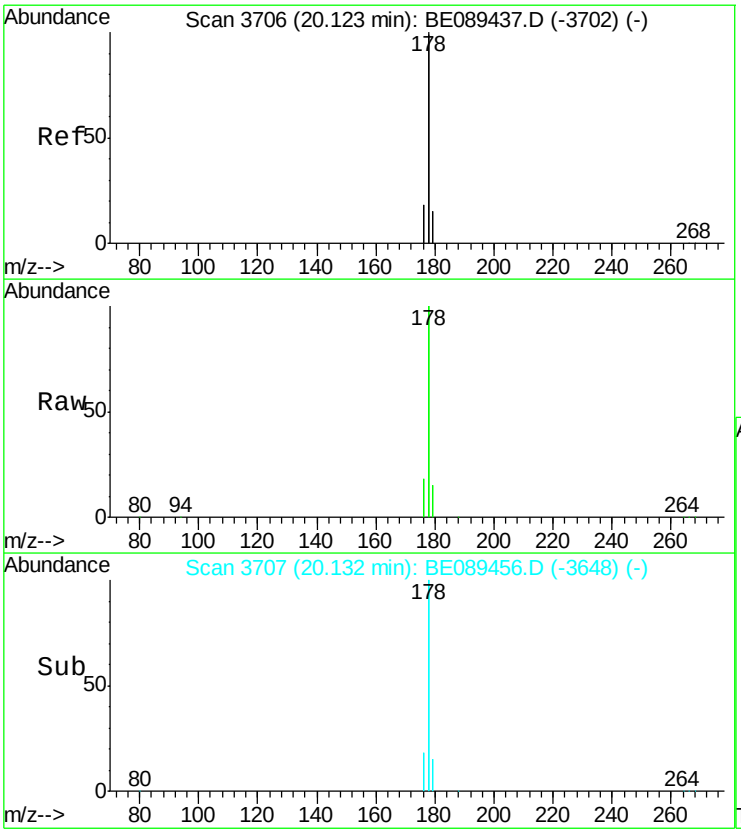
#13
Phenanthrene
Concen: 8.79 ng
RT: 20.04 min Scan# 3696
Delta R.T. 0.01 min
Lab File: BE089456.D
Acq: 31 Jan 2015 4:28

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 5533447

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	15.4	12.3	18.5

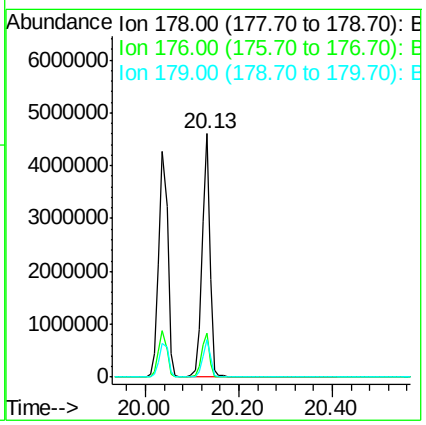


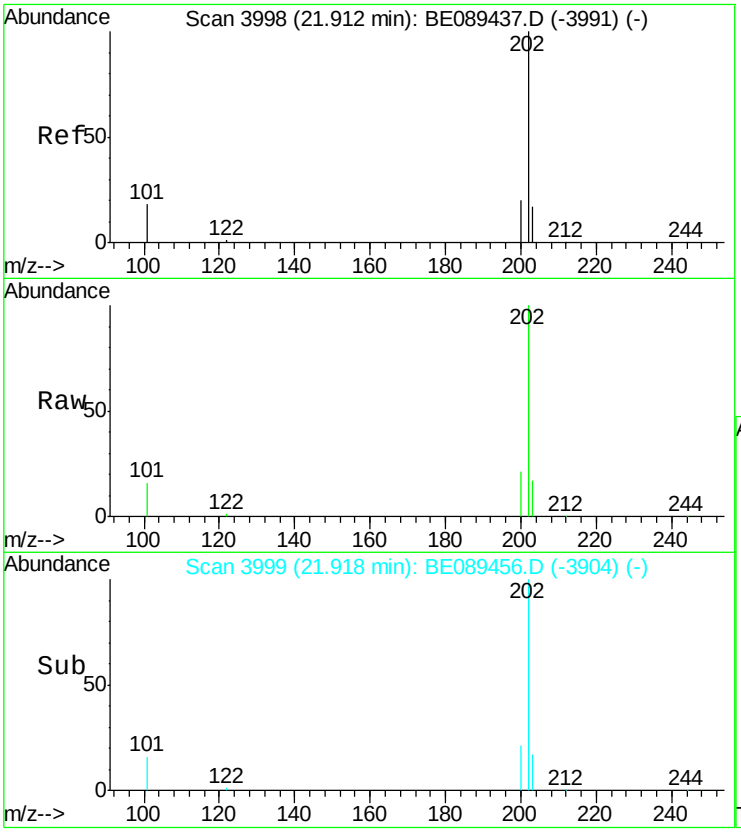


#14
Anthracene
Concen: 9.69 ng
RT: 20.13 min Scan# 3707
Delta R.T. 0.01 min
Lab File: BE089456.D
Acq: 31 Jan 2015 4:28

Tgt Ion:178 Resp: 5569176

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	22.0
179	15.1	12.2	18.2



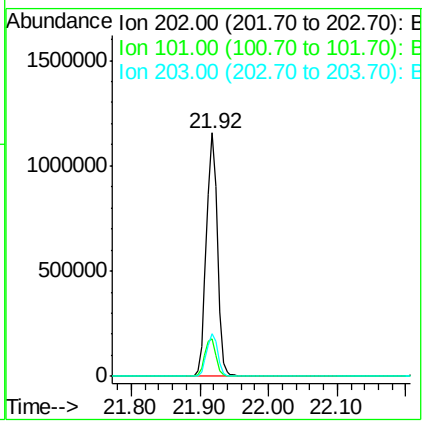


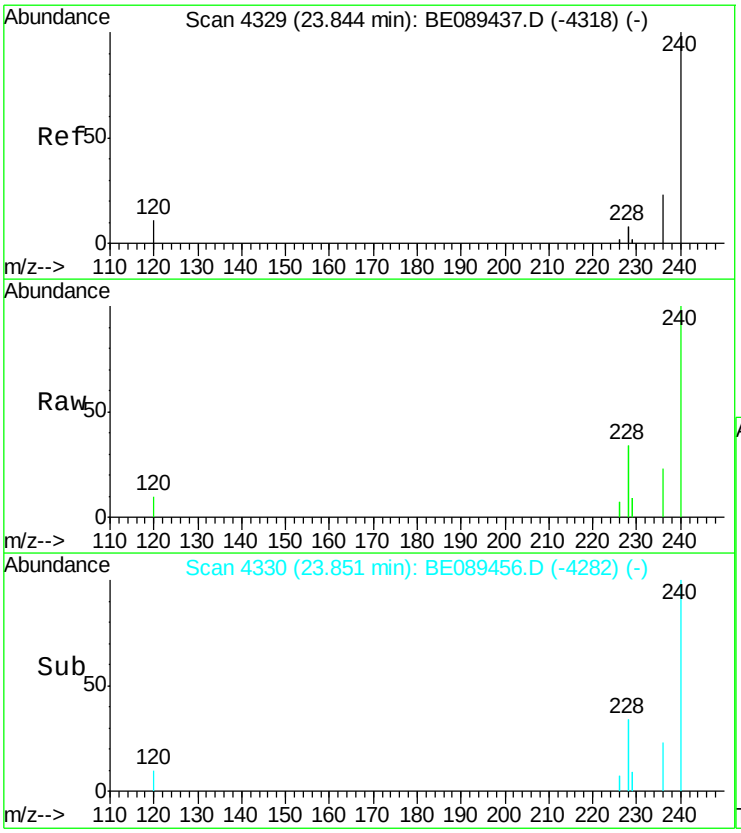
#15
Fluoranthene
Concen: 9.21 ng
RT: 21.92 min Scan# 3999
Delta R.T. 0.01 min
Lab File: BE089456.D
Acq: 31 Jan 2015 4:28

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:202 Resp: 1265958

Ion	Ratio	Lower	Upper
202	100		
101	16.0	13.6	20.4
203	17.5	13.8	20.6

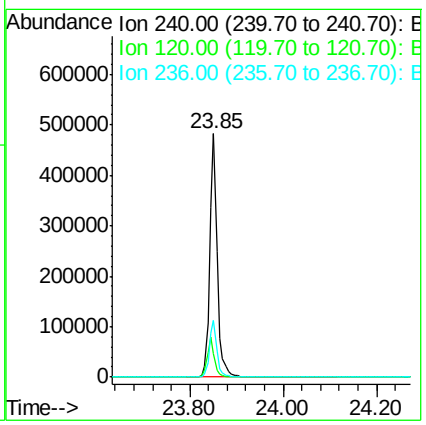


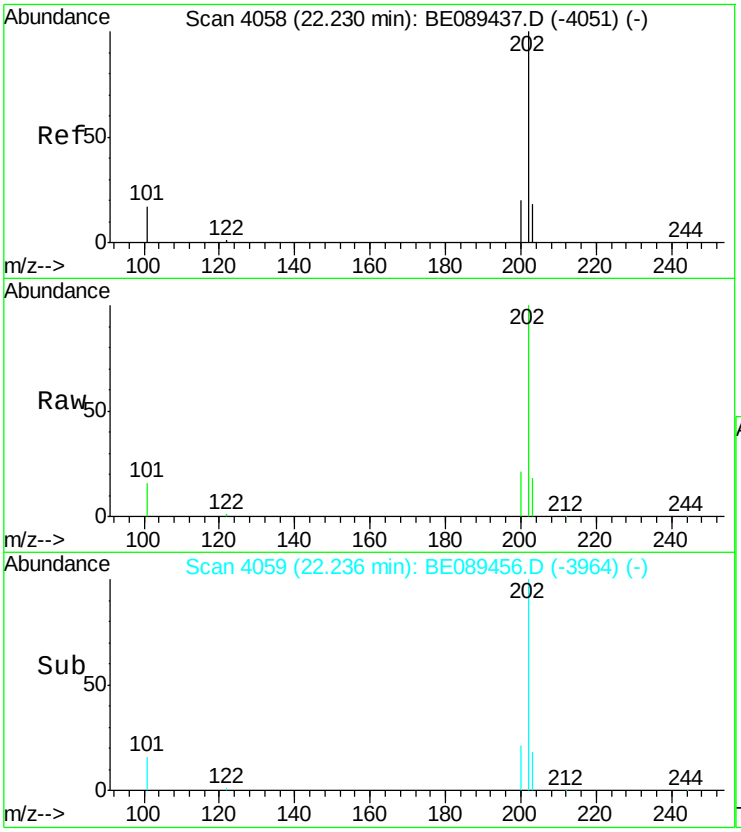


#16
Chrysene-d12
Concen: 5.00 ng
RT: 23.85 min Scan# 4330
Delta R.T. 0.01 min
Lab File: BE089456.D
Acq: 31 Jan 2015 4:28

Tgt Ion:240 Resp: 524931

Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.6	13.0
236	23.5	18.7	28.1



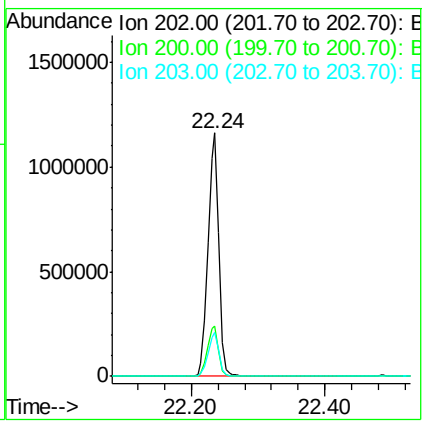


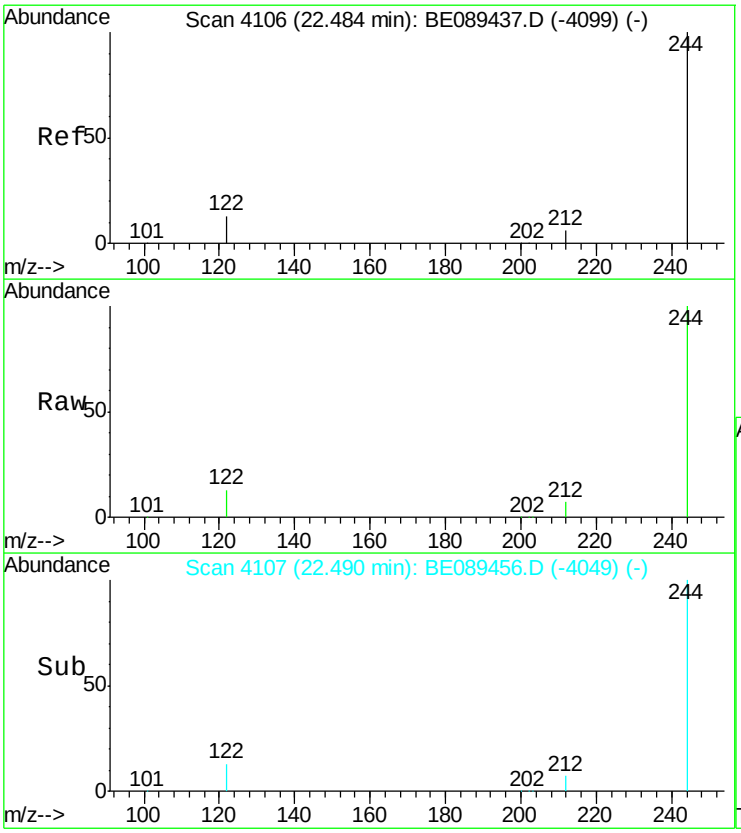
#17
Pyrene
Concen: 9.40 ng
RT: 22.24 min Scan# 4059
Delta R.T. 0.01 min
Lab File: BE089456.D
Acq: 31 Jan 2015 4:28

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:202 Resp: 1308745

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.2	24.4
203	18.2	13.8	20.8

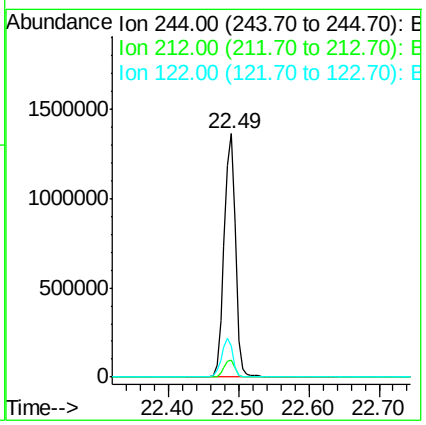


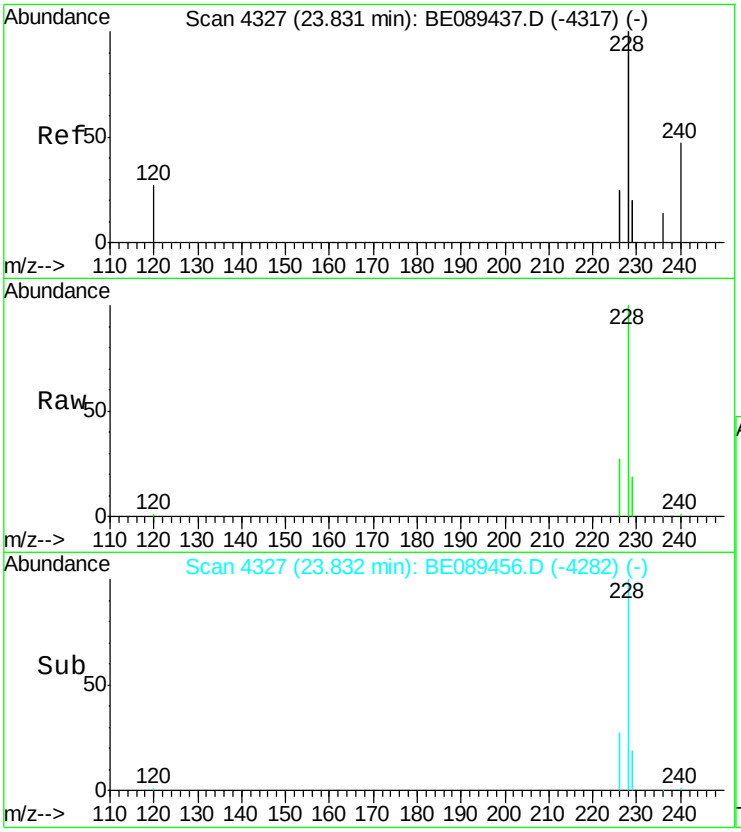


#18
Terphenyl-d14
Concen: 19.74 ng
RT: 22.49 min Scan# 4107
Delta R.T. 0.01 min
Lab File: BE089456.D
Acq: 31 Jan 2015 4:28

Tgt Ion:244 Resp: 1551504

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.0	7.6
122	12.8	10.2	15.4



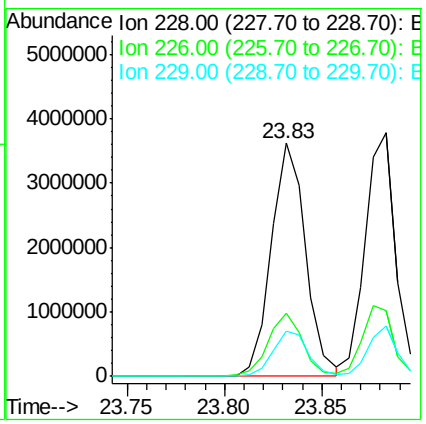


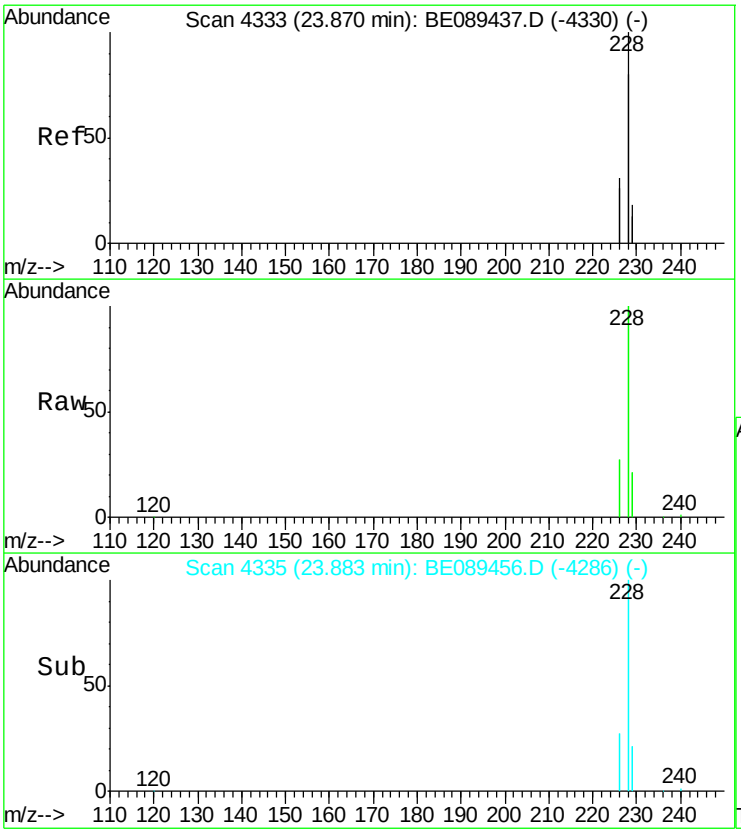
#19
Benzo(a)anthracene
Concen: 10.05 ng
RT: 23.83 min Scan# 4327
Delta R.T. 0.00 min
Lab File: BE089456.D
Acq: 31 Jan 2015 4:28

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 4445006

Ion	Ratio	Lower	Upper
228	100		
226	27.1	20.0	30.0
229	19.4	16.0	24.0

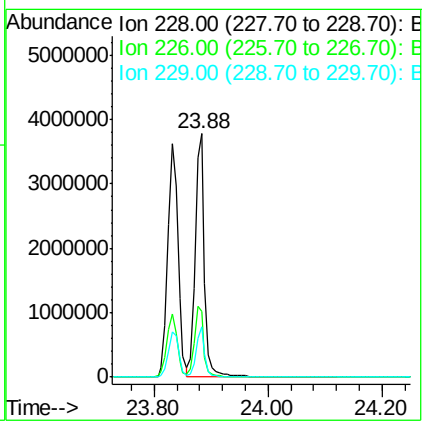


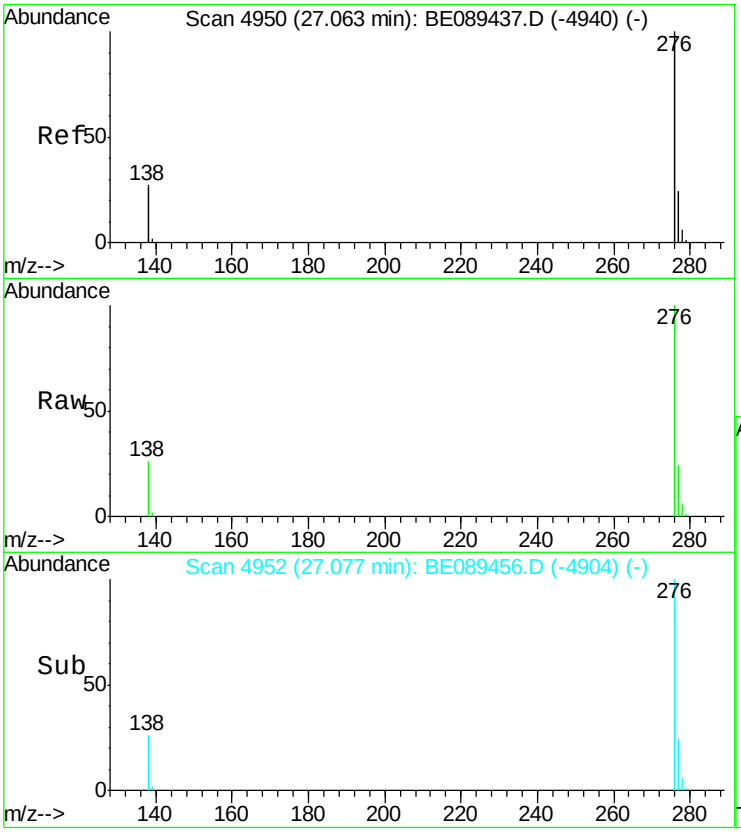


#20
Chrysene
Concen: 8.65 ng
RT: 23.88 min Scan# 4335
Delta R.T. 0.01 min
Lab File: BE089456.D
Acq: 31 Jan 2015 4:28

Tgt Ion:228 Resp: 4311613

Ion	Ratio	Lower	Upper
228	100		
226	26.9	24.5	36.7
229	20.8	14.1	21.1



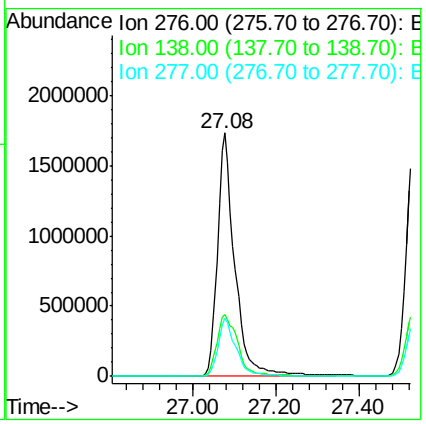


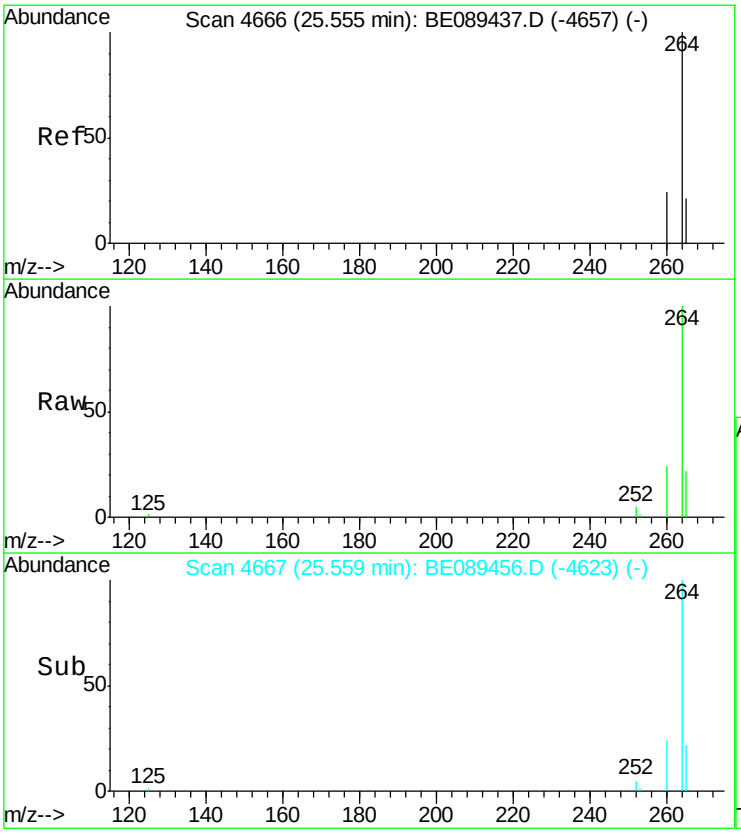
#21
Indeno(1,2,3-cd)pyrene
Concen: 11.56 ng
RT: 27.08 min Scan# 4952
Delta R.T. 0.01 min
Lab File: BE089456.D
Acq: 31 Jan 2015 4:28

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 5030942

Ion	Ratio	Lower	Upper
276	100		
138	31.0	25.4	38.0
277	25.2	19.8	29.6

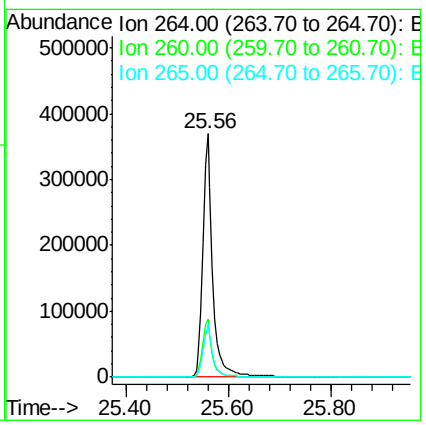


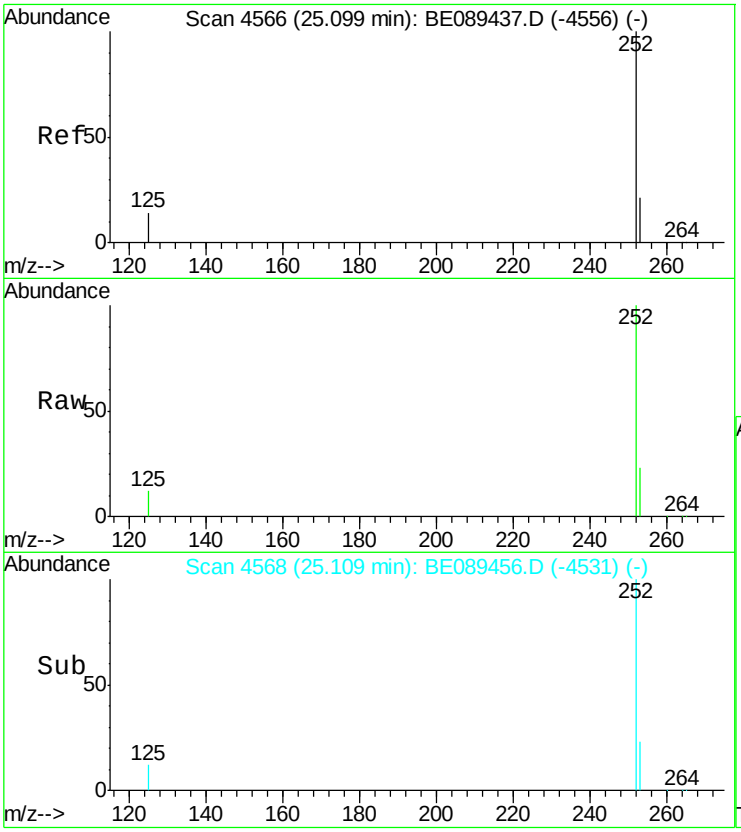


#22
Perylene-d12
Concen: 5.00 ng
RT: 25.56 min Scan# 4667
Delta R.T. 0.00 min
Lab File: BE089456.D
Acq: 31 Jan 2015 4:28

Tgt Ion:264 Resp: 499809

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.0
265	21.6	17.0	25.6



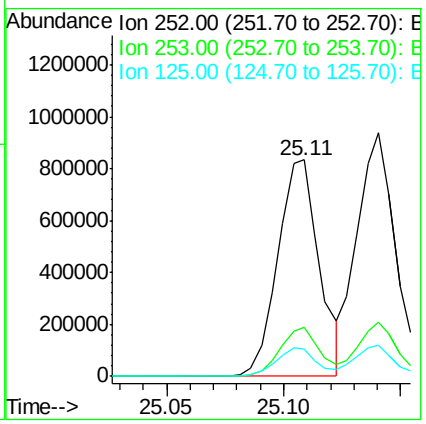


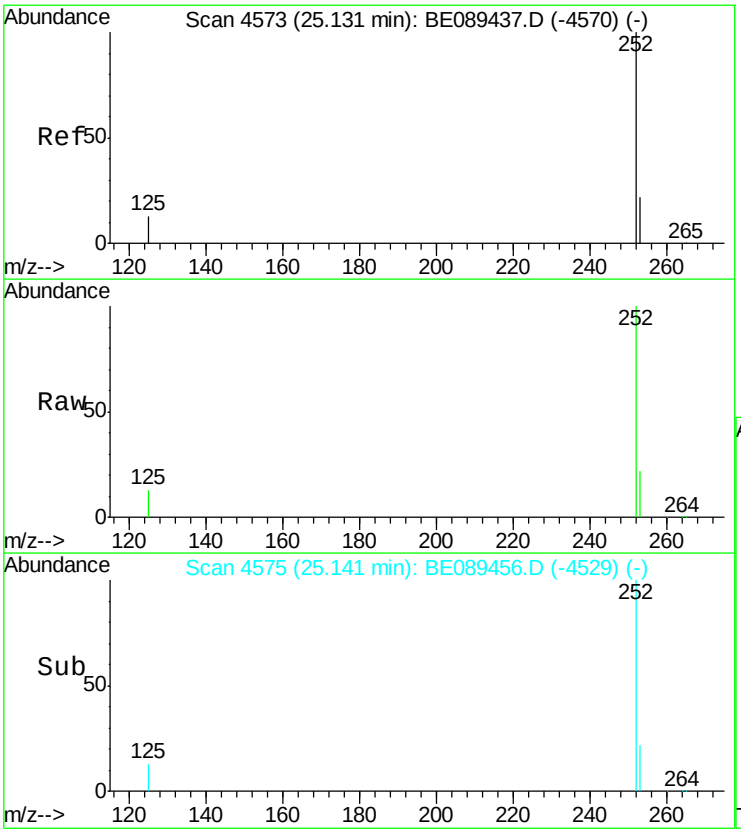
#23
Benzo(b)fluoranthene
Concen: 11.34 ng
RT: 25.11 min Scan# 4568
Delta R.T. 0.01 min
Lab File: BE089456.D
Acq: 31 Jan 2015 4:28

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 1030654

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	12.4	11.4	17.0

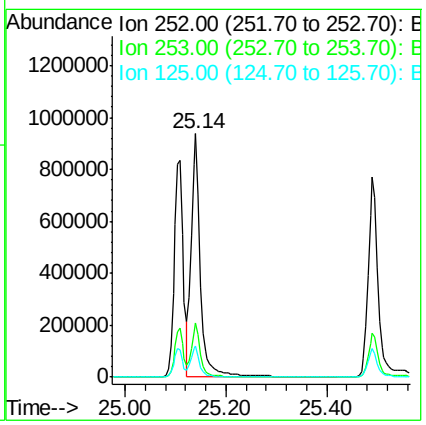


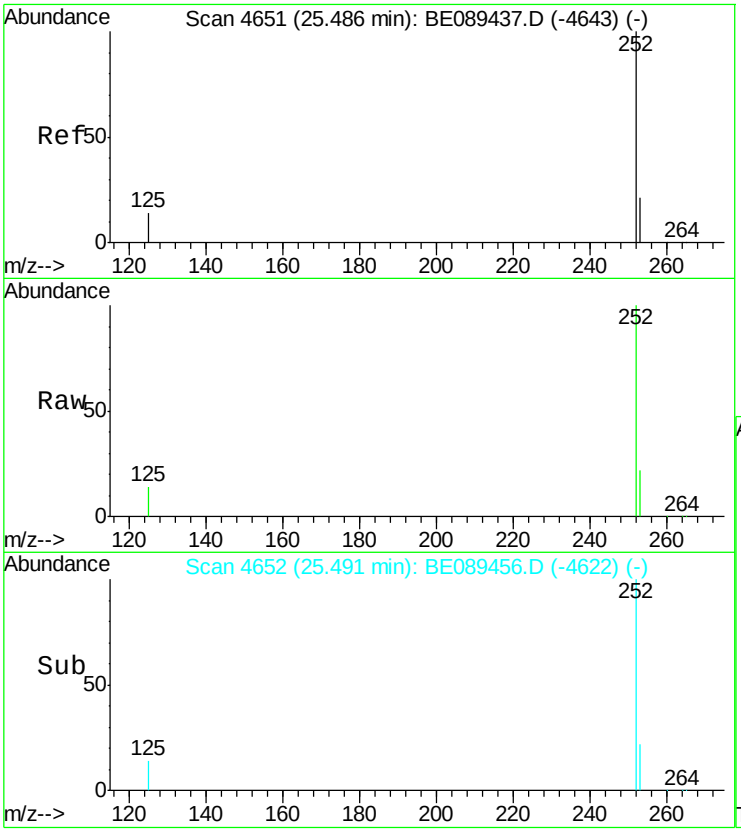


#24
Benzo(k)fluoranthene
Concen: 9.42 ng
RT: 25.14 min Scan# 4575
Delta R.T. 0.01 min
Lab File: BE089456.D
Acq: 31 Jan 2015 4:28

Tgt Ion:252 Resp: 1199507

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	12.7	10.9	16.3



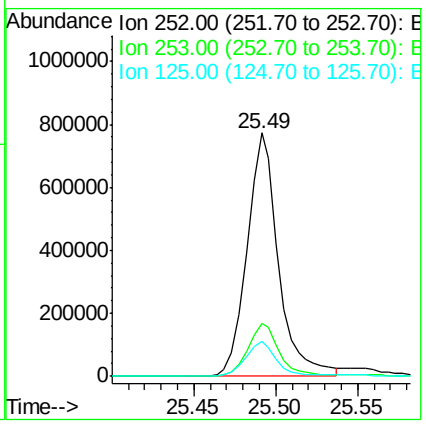


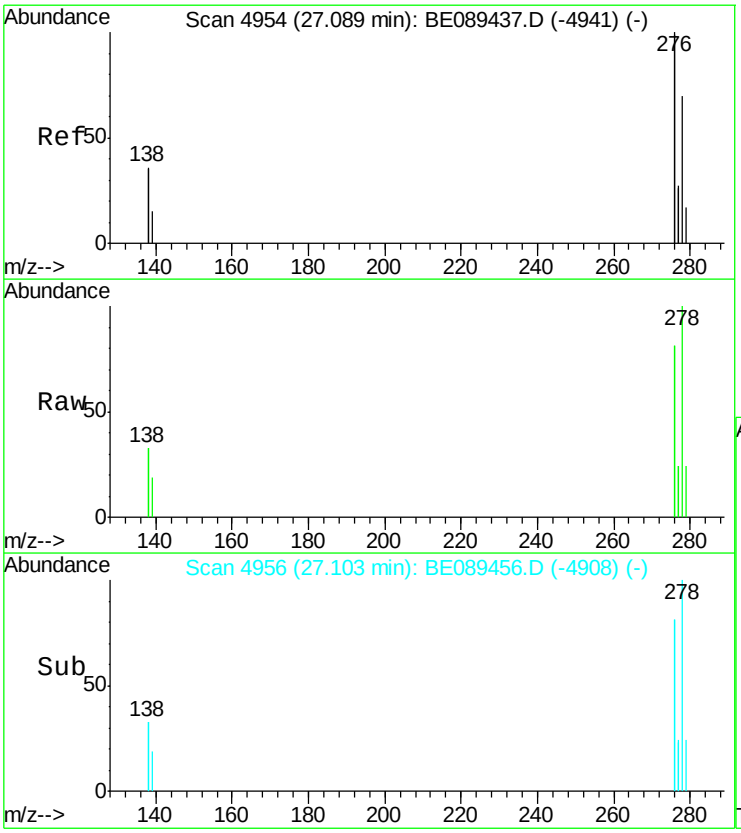
#25
Benzo(a)pyrene
Concen: 11.24 ng
RT: 25.49 min Scan# 4652
Delta R.T. 0.01 min
Lab File: BE089456.D
Acq: 31 Jan 2015 4:28

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 1028539

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	14.4	12.0	18.0

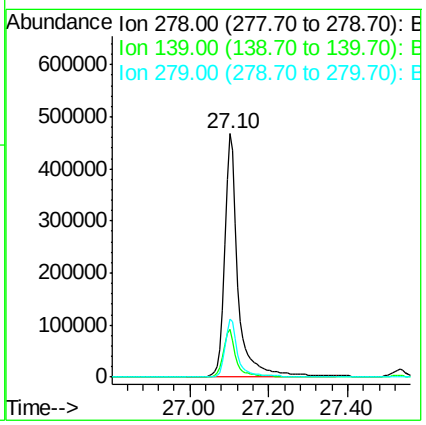


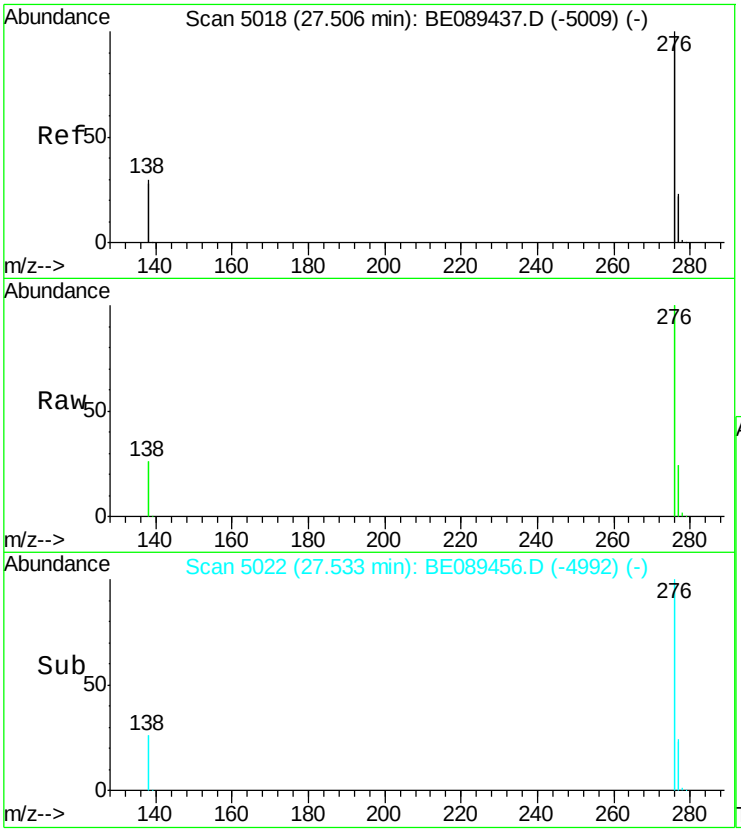


#26
Dibenzo(a,h)anthracene
Concen: 10.59 ng
RT: 27.10 min Scan# 4956
Delta R.T. 0.01 min
Lab File: BE089456.D
Acq: 31 Jan 2015 4:28

Tgt Ion:278 Resp: 1101521

Ion	Ratio	Lower	Upper
278	100		
139	19.4	17.0	25.4
279	23.7	19.1	28.7





#27
Benzo(g,h,i)perylene
Concen: 10.65 ng
RT: 27.53 min Scan# 5022
Delta R.T. 0.03 min
Lab File: BE089456.D
Acq: 31 Jan 2015 4:28

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 4260847

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.4	27.6
138	26.0	23.7	35.5