Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE013015\
Data File : BE089461.D
Acq On : 31 Jan 2015 7:42
Operator : TP/IZ
Sample : MDL-04-W
Misc : MDL-WATER-0.1/0.2
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Feb 02 00:33:06 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	50436	5.00	ng		0.00
2) Naphthalene-d8	12.50	136	215408	5.00	ng		0.00
6) Acenaphthene-d10	16.69	164	118744	5.00	ng		-0.01
11) Phenanthrene-d10	19.99	188	194009	5.00	ng		0.00
16) Chrysene-d12	23.85	240	130788	5.00	ng		0.00
22) Perylene-d12	25.55	264	105619	5.00	ng		0.00
System Monitoring Compounds							
3) Nitrobenzene-d5	10.85	82	122761	8.61	ng		0.00
7) 2-Fluorobiphenyl	15.13	172	230712	7.38	ng		0.00
18) Terphenyl-d14	22.48	244	192624	9.84	ng		0.00
Target Compounds							Qvalue
4) Naphthalene	12.54	128	3913	0.08	ng		99
5) 2-Methylnaphthalene	14.20	142	2566	0.08	ng		98
8) Acenaphthylene	16.33	152	15009	0.07	ng		99
9) Acenaphthene	16.76	154	2621	0.08	ng		89
10) Fluorene	18.02	166	2833	0.08	ng		98
12) Pentachlorophenol	19.66	266	282	Below	Cal		97
13) Phenanthrene	20.03	178	19036	0.10	ng		99
14) Anthracene	20.12	178	14338	0.08	ng		99
15) Fluoranthene	21.91	202	3077	0.07	ng		98
17) Pyrene	22.23	202	3358	0.10	ng		99
19) Benzo(a)anthracene	23.83	228	7743	0.07	ng		95
20) Chrysene	23.87	228	13860	0.11	ng	#	96
21) Indeno(1,2,3-cd)pyrene	27.05	276	2164	0.02	ng	#	78
23) Benzo(b)fluoranthene	25.09	252	511	0.21	ng	#	71
24) Benzo(k)fluoranthene	25.13	252	688	0.03	ng	#	72
25) Benzo(a)pyrene	25.48	252	620	0.15	ng	#	54
26) Dibenzo(a,h)anthracene	27.08	278	405	0.15	ng	#	36
27) Benzo(g,h,i)perylene	27.50	276	3111	0.04	ng	#	71

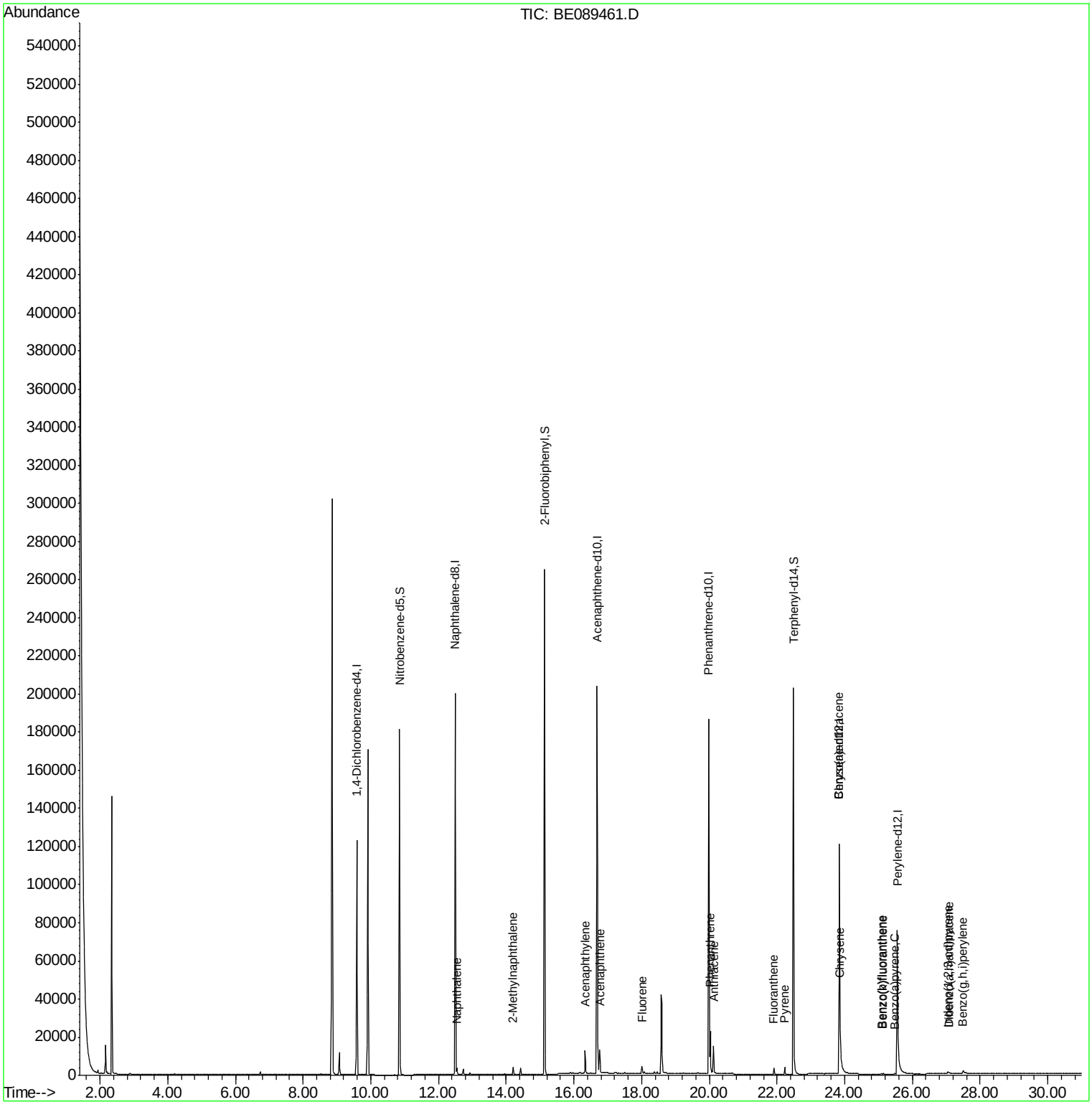
(#) = qualifier out of range (m) = manual integration (+) = signals summed

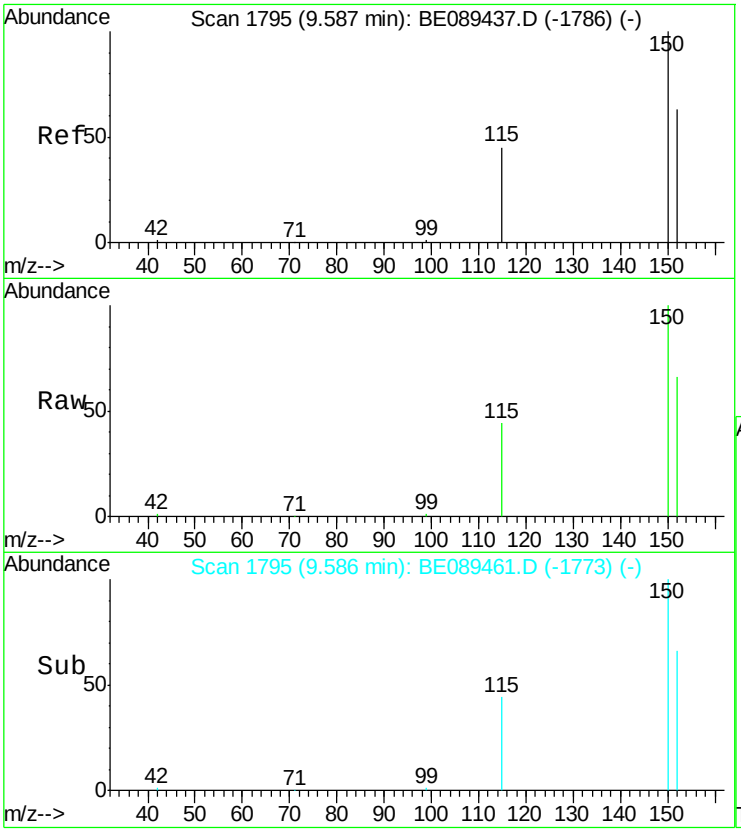
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE013015\
Data File : BE089461.D
Acq On : 31 Jan 2015 7:42
Operator : TP/IZ
Sample : MDL-04-W
Misc : MDL-WATER-0.1/0.2
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Feb 02 00:33:06 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



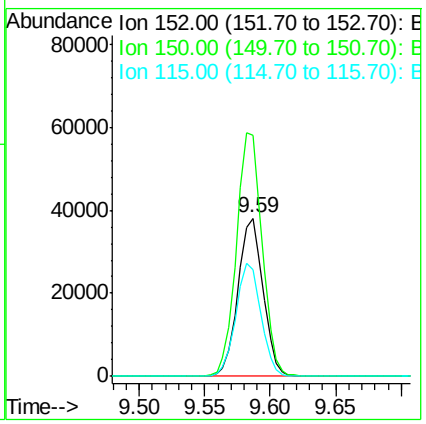


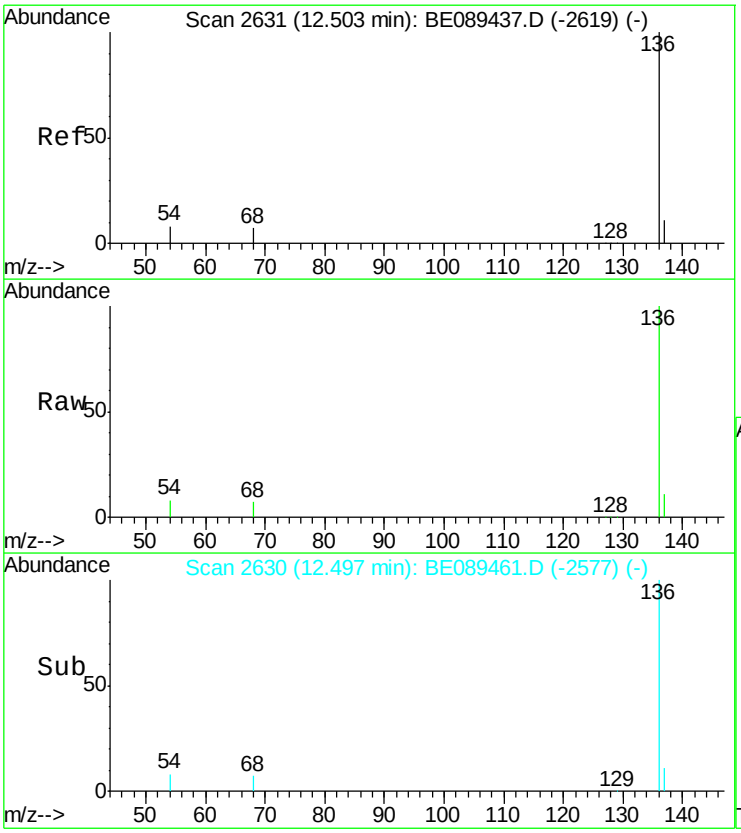
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 9.59 min Scan# 1795
Delta R.T. -0.00 min
Lab File: BE089461.D
Acq: 31 Jan 2015 7:42

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 50436

Ion	Ratio	Lower	Upper
152	100		
150	152.3	127.2	190.8
115	67.2	57.5	86.3

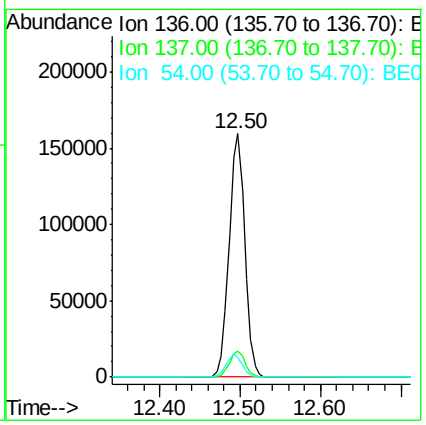


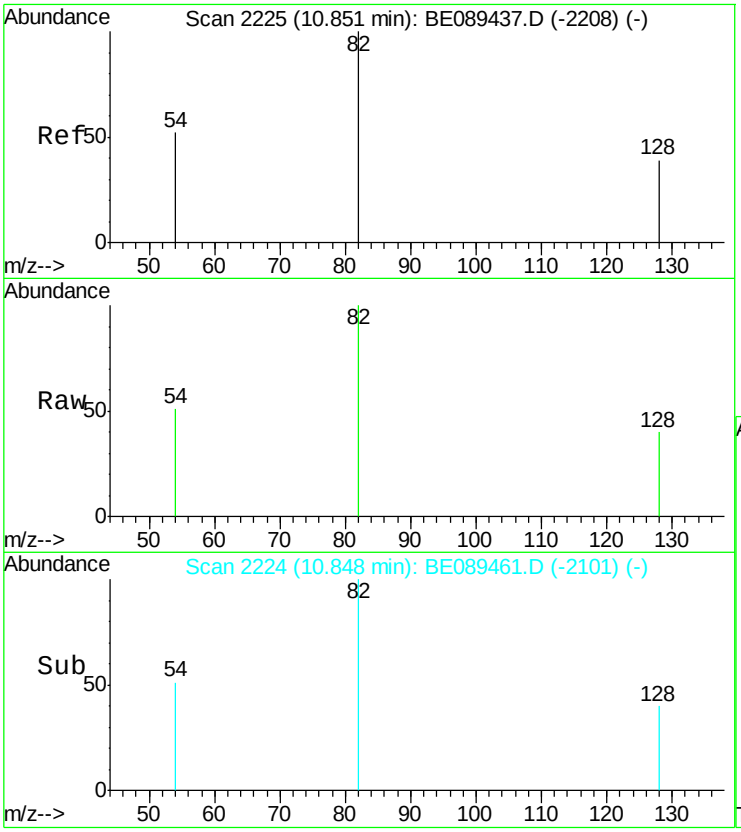


#2
Naphthalene-d8
Concen: 5.00 ng
RT: 12.50 min Scan# 2630
Delta R.T. -0.01 min
Lab File: BE089461.D
Acq: 31 Jan 2015 7:42

Tgt Ion:136 Resp: 215408

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	8.0	6.6	10.0



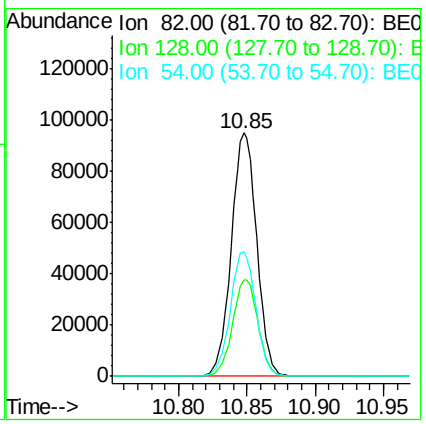


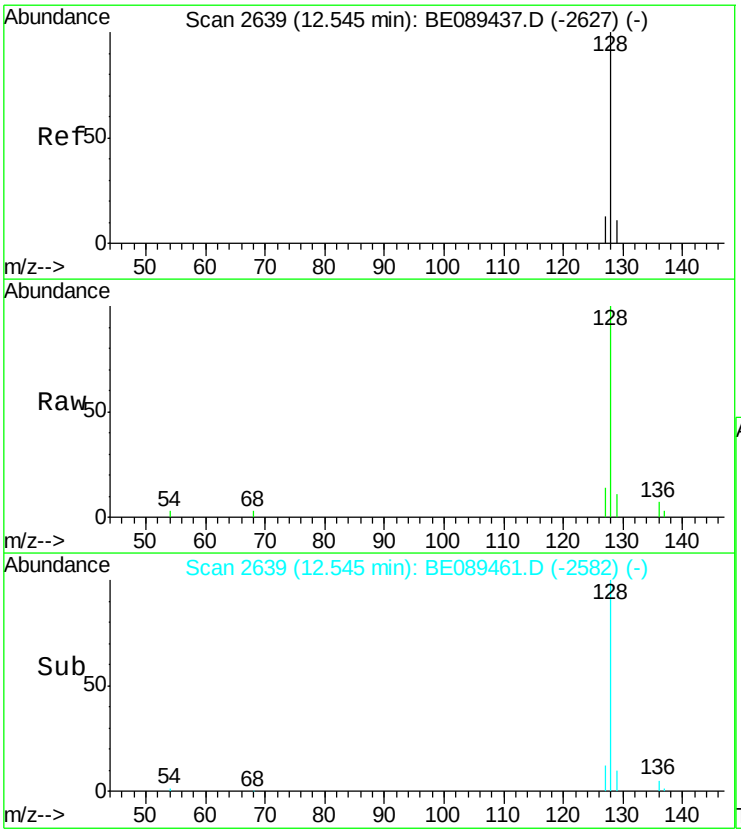
#3
Nitrobenzene-d5
Concen: 8.61 ng
RT: 10.85 min Scan# 2224
Delta R.T. -0.00 min
Lab File: BE089461.D
Acq: 31 Jan 2015 7:42

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 82 Resp: 122761

Ion	Ratio	Lower	Upper
82	100		
128	39.7	31.2	46.8
54	51.4	41.9	62.9

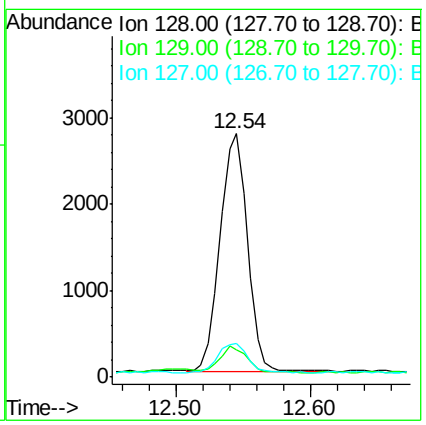


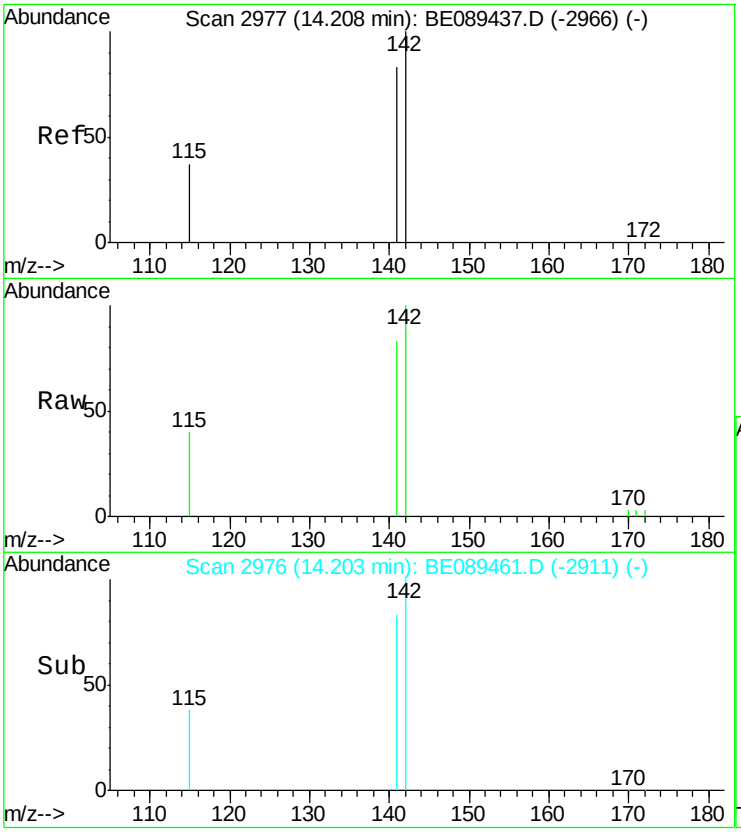


#4
Naphthalene
Concen: 0.08 ng
RT: 12.54 min Scan# 2639
Delta R.T. -0.00 min
Lab File: BE089461.D
Acq: 31 Jan 2015 7:42

Tgt Ion:128 Resp: 3913

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	13.8	10.6	16.0



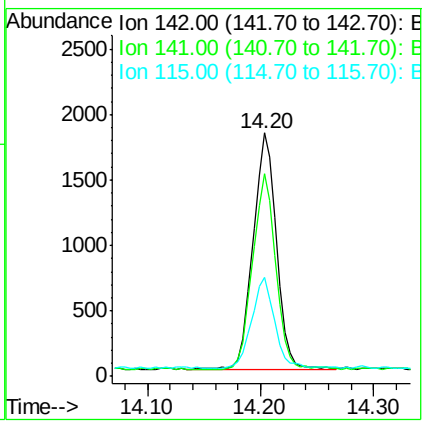


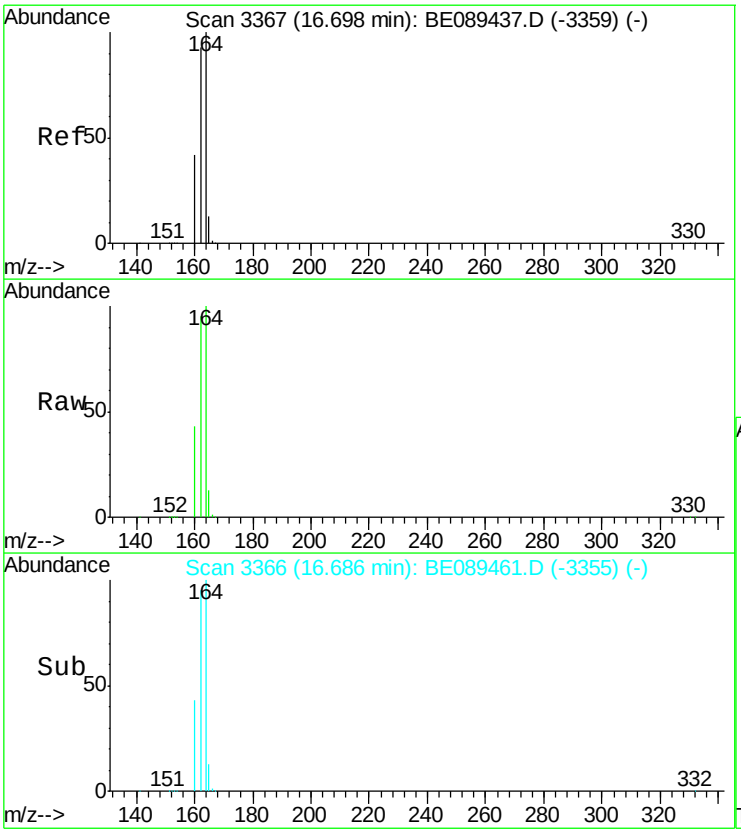
#5
2-Methylnaphthalene
Concen: 0.08 ng
RT: 14.20 min Scan# 2976
Delta R.T. -0.01 min
Lab File: BE089461.D
Acq: 31 Jan 2015 7:42

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:142 Resp: 2566

Ion	Ratio	Lower	Upper
142	100		
141	83.3	66.1	99.1
115	40.5	29.9	44.9

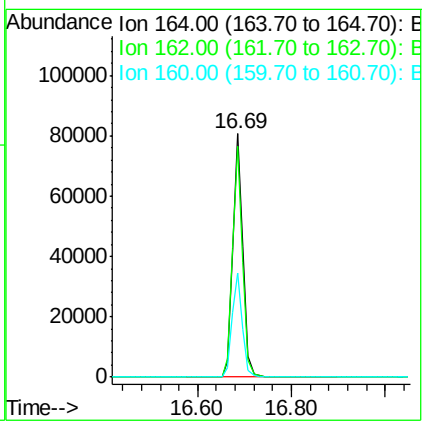


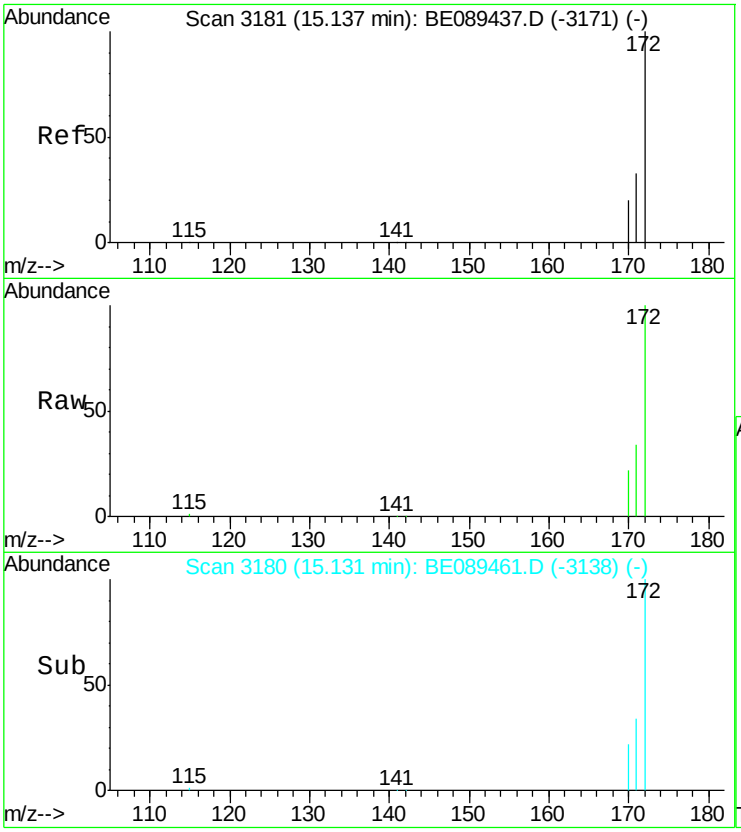


#6
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.69 min Scan# 3366
Delta R.T. -0.01 min
Lab File: BE089461.D
Acq: 31 Jan 2015 7:42

Tgt Ion:164 Resp: 118744

Ion	Ratio	Lower	Upper
164	100		
162	94.6	74.7	112.1
160	42.9	33.4	50.0



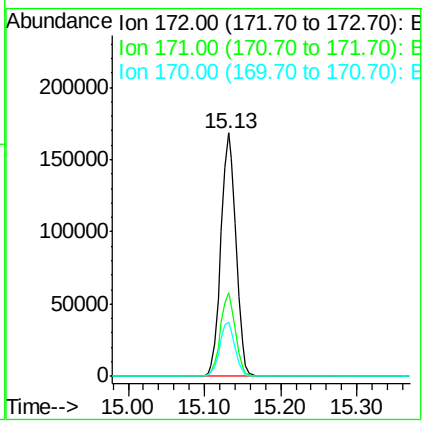


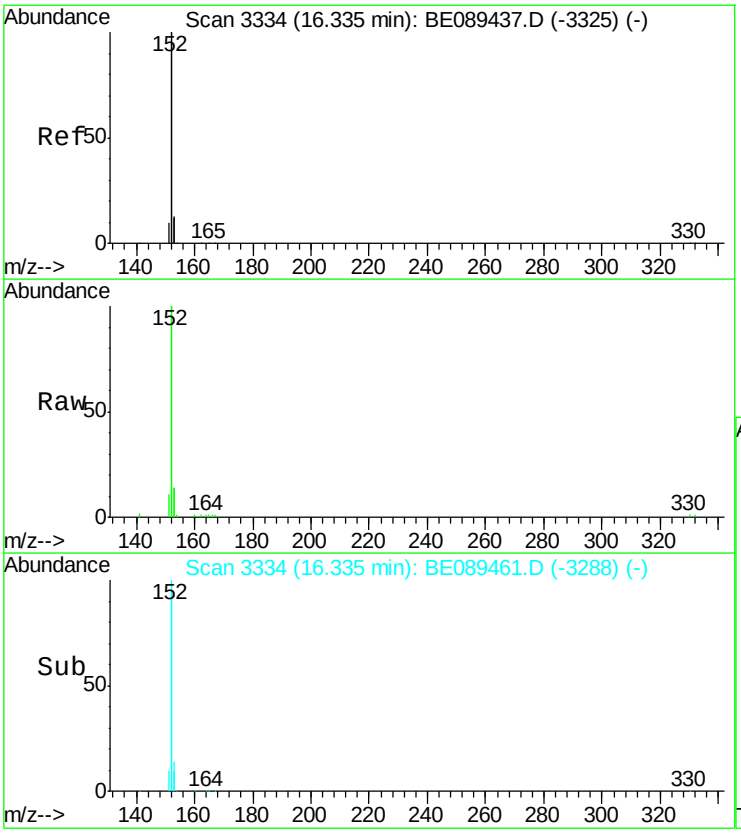
#7
2-Fluorobiphenyl
Concen: 7.38 ng
RT: 15.13 min Scan# 3180
Delta R.T. -0.01 min
Lab File: BE089461.D
Acq: 31 Jan 2015 7:42

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 230712

Ion	Ratio	Lower	Upper
172	100		
171	34.2	26.2	39.4
170	22.4	16.5	24.7

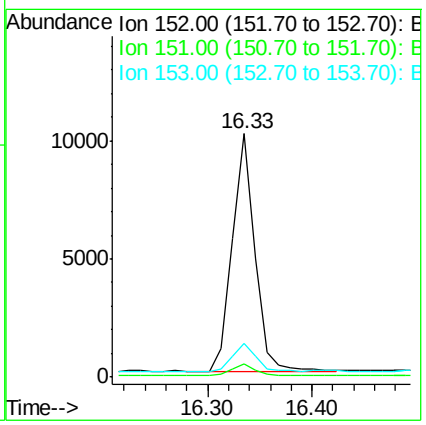


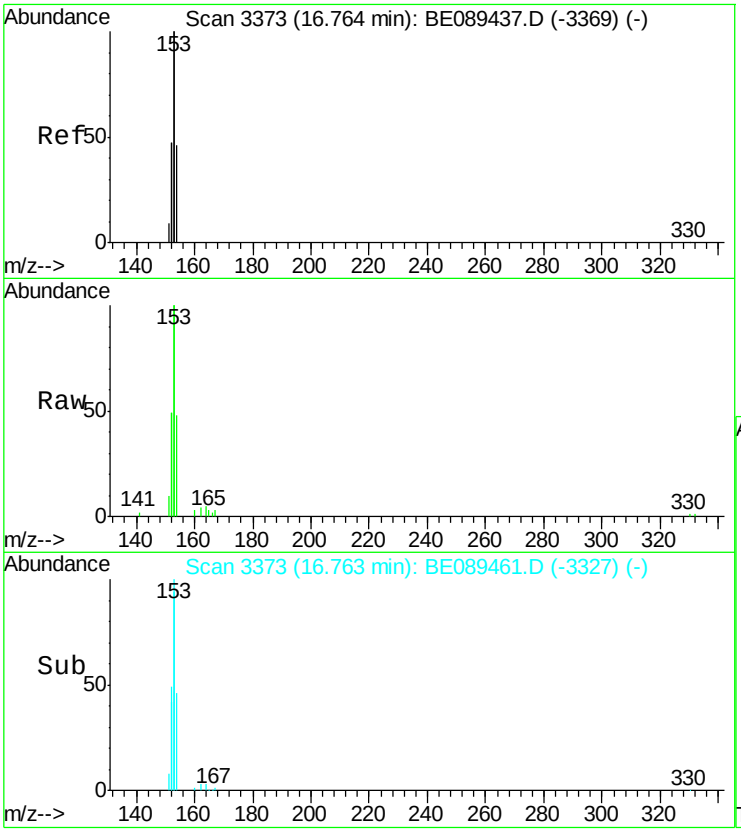


#8
Acenaphthylene
Concen: 0.07 ng
RT: 16.33 min Scan# 3334
Delta R.T. -0.00 min
Lab File: BE089461.D
Acq: 31 Jan 2015 7:42

Tgt Ion:152 Resp: 15009

Ion	Ratio	Lower	Upper
152	100		
151	5.2	3.9	5.9
153	13.2	10.3	15.5



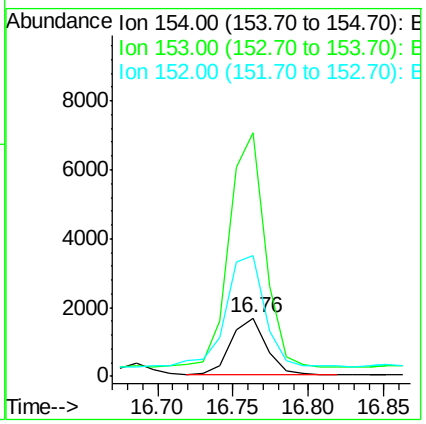


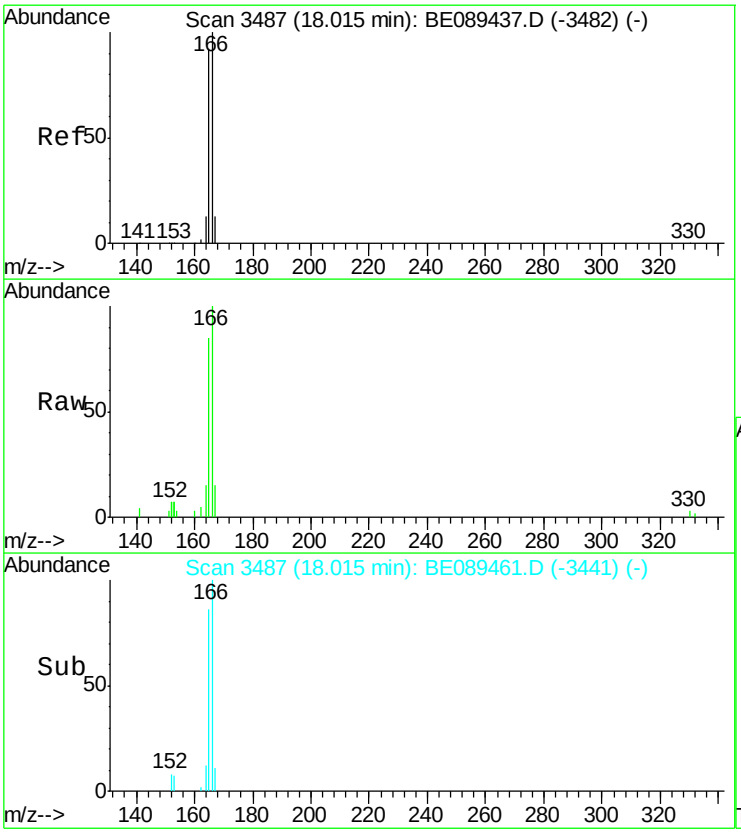
#9
Acenaphthene
Concen: 0.08 ng
RT: 16.76 min Scan# 3373
Delta R.T. -0.00 min
Lab File: BE089461.D
Acq: 31 Jan 2015 7:42

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 2621

Ion	Ratio	Lower	Upper
154	100		
153	444.6	342.3	513.5
152	235.6	165.5	248.3

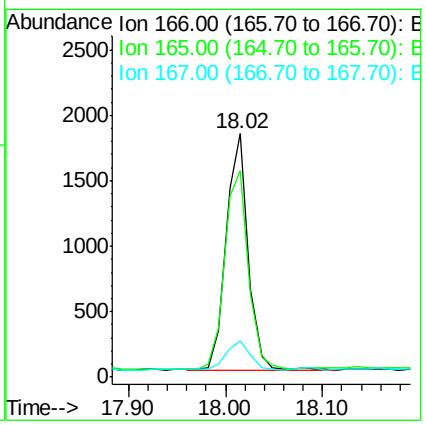


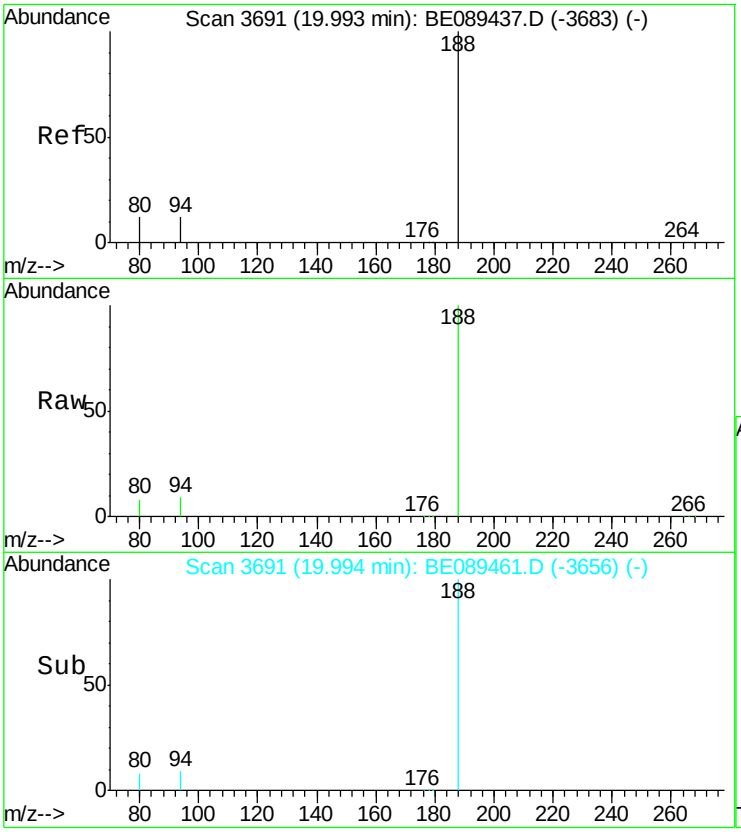


#10
Fluorene
Concen: 0.08 ng
RT: 18.02 min Scan# 3487
Delta R.T. -0.00 min
Lab File: BE089461.D
Acq: 31 Jan 2015 7:42

Tgt Ion:166 Resp: 2833

Ion	Ratio	Lower	Upper
166	100		
165	91.0	74.4	111.6
167	13.5	10.6	15.8



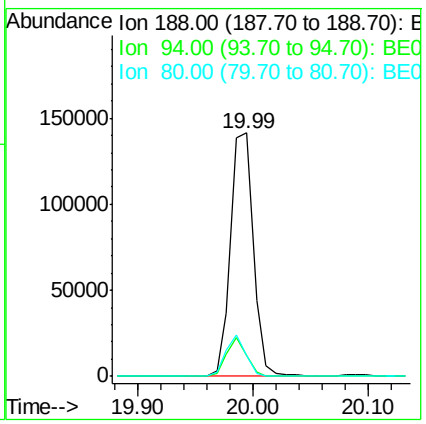


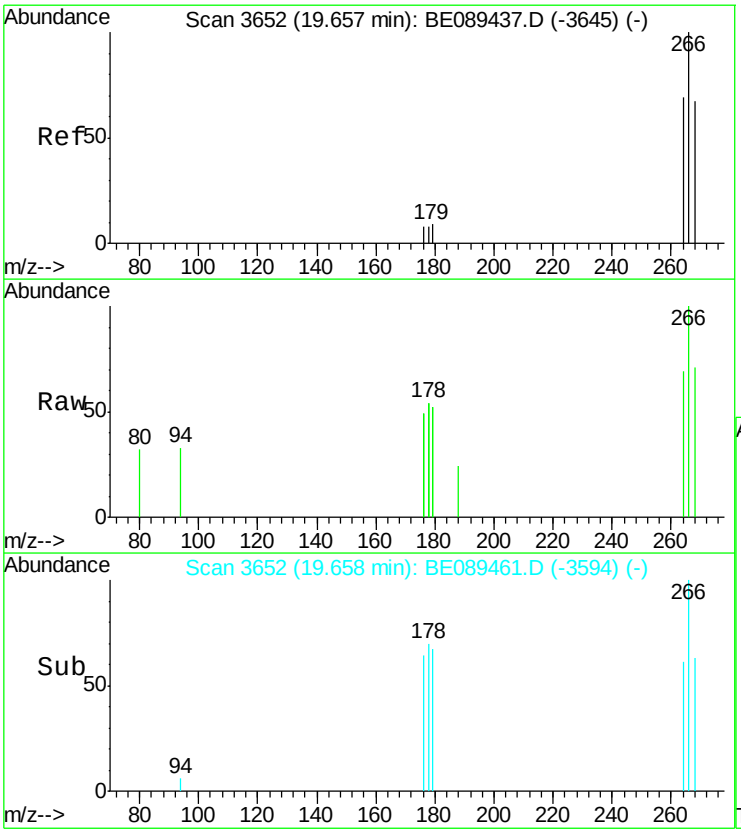
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3691
Delta R.T. 0.00 min
Lab File: BE089461.D
Acq: 31 Jan 2015 7:42

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 194009

Ion	Ratio	Lower	Upper
188	100		
94	8.6	9.4	14.0#
80	8.3	9.3	13.9#

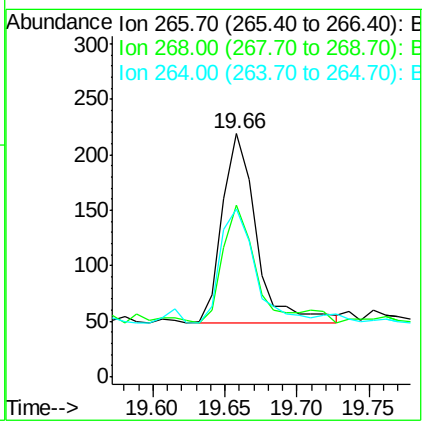


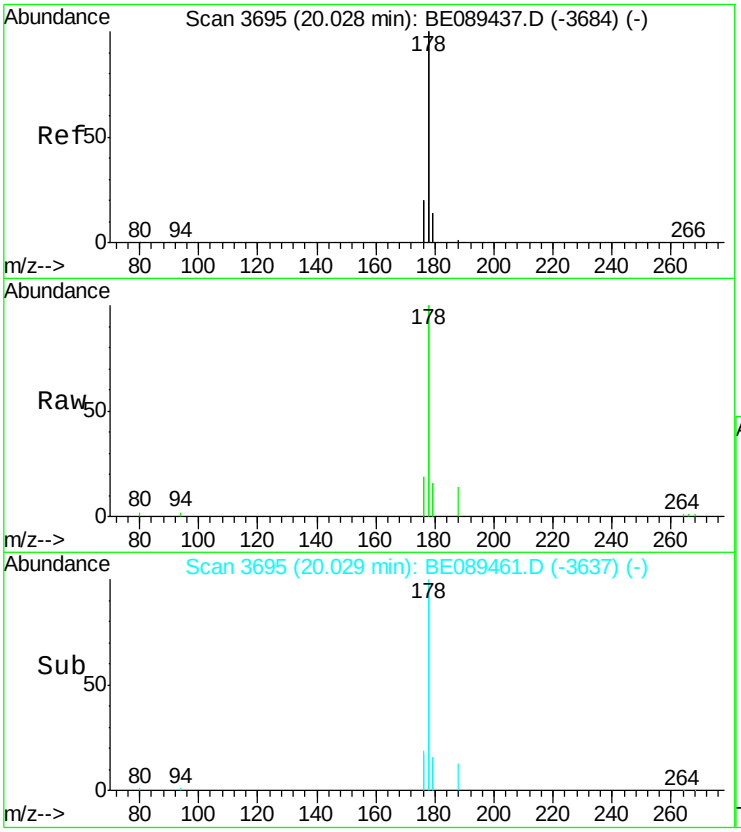


#12
Pentachlorophenol
Concen: Below Cal
RT: 19.66 min Scan# 3652
Delta R.T. 0.00 min
Lab File: BE089461.D
Acq: 31 Jan 2015 7:42

Tgt Ion:266 Resp: 282

Ion	Ratio	Lower	Upper
266	100		
268	70.8	54.2	81.4
264	68.9	56.2	84.2



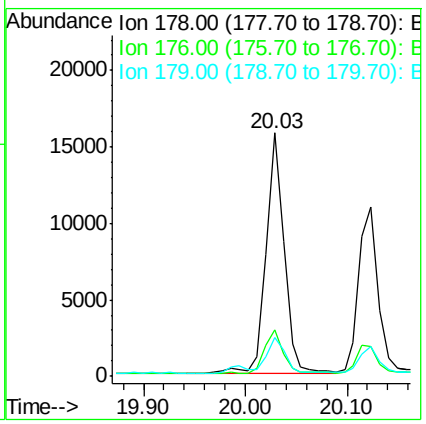


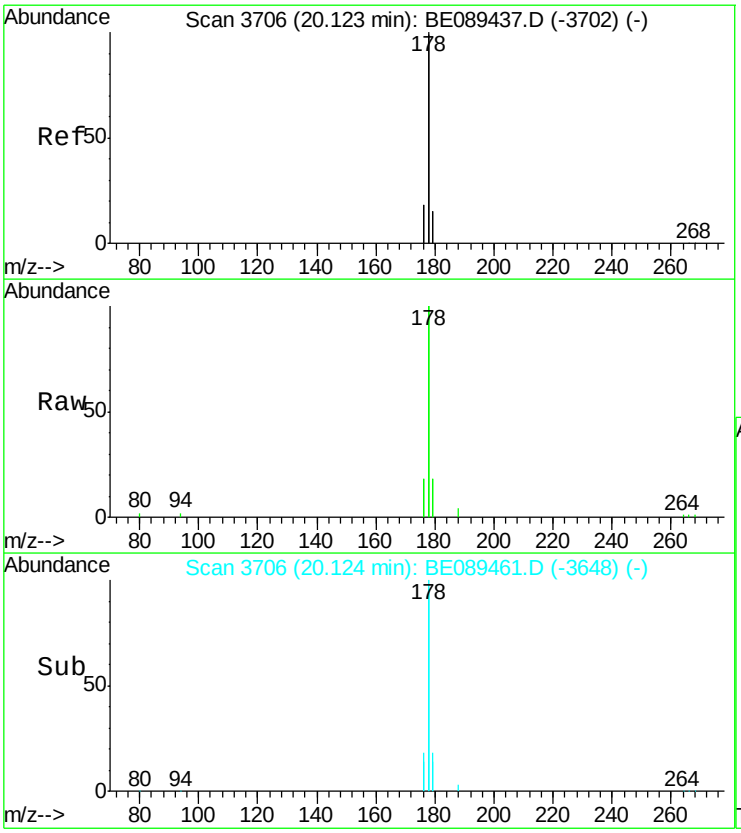
#13
Phenanthrene
Concen: 0.10 ng
RT: 20.03 min Scan# 3695
Delta R.T. 0.00 min
Lab File: BE089461.D
Acq: 31 Jan 2015 7:42

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 19036

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	14.4	12.3	18.5

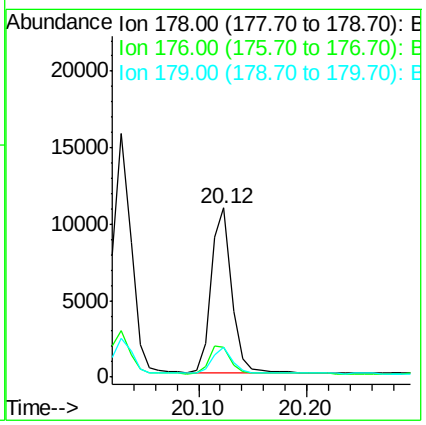


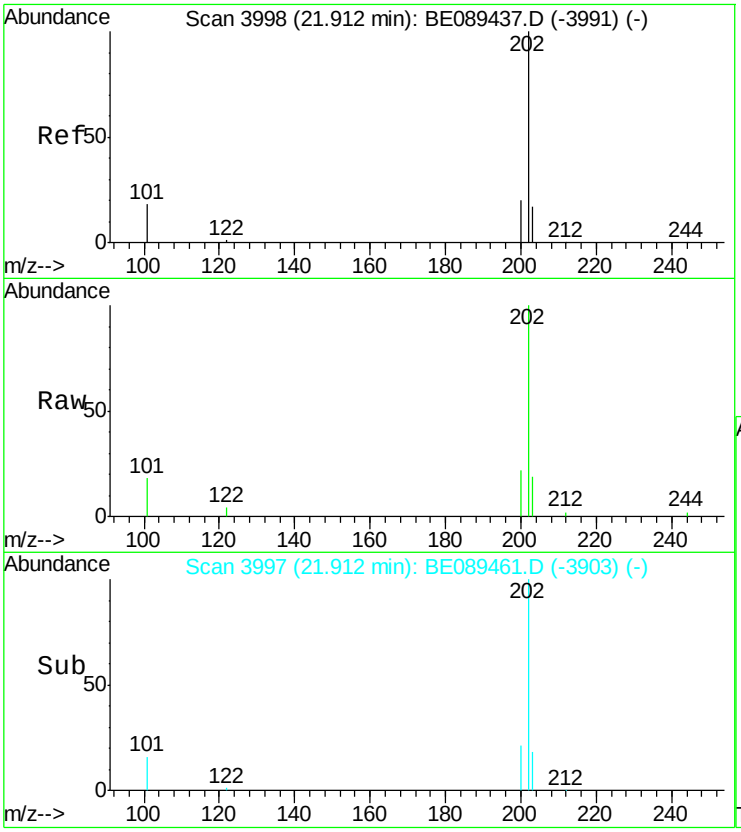


#14
Anthracene
Concen: 0.08 ng
RT: 20.12 min Scan# 3706
Delta R.T. 0.00 min
Lab File: BE089461.D
Acq: 31 Jan 2015 7:42

Tgt Ion:178 Resp: 14338

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.6	22.0
179	15.6	12.2	18.2



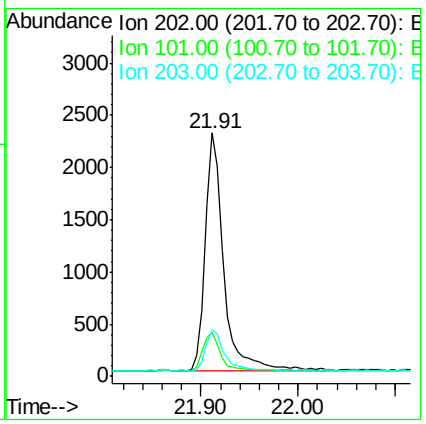


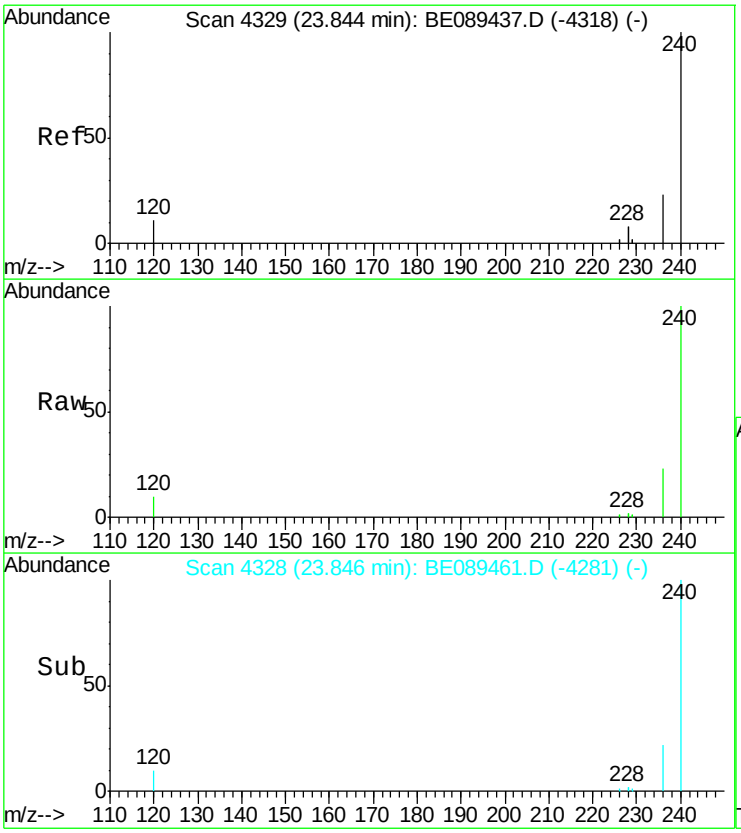
#15
Fluoranthene
Concen: 0.07 ng
RT: 21.91 min Scan# 3997
Delta R.T. -0.00 min
Lab File: BE089461.D
Acq: 31 Jan 2015 7:42

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:202 Resp: 3077

Ion	Ratio	Lower	Upper
202	100		
101	15.3	13.6	20.4
203	17.4	13.8	20.6

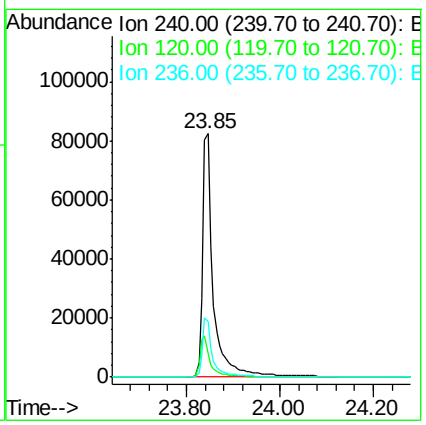


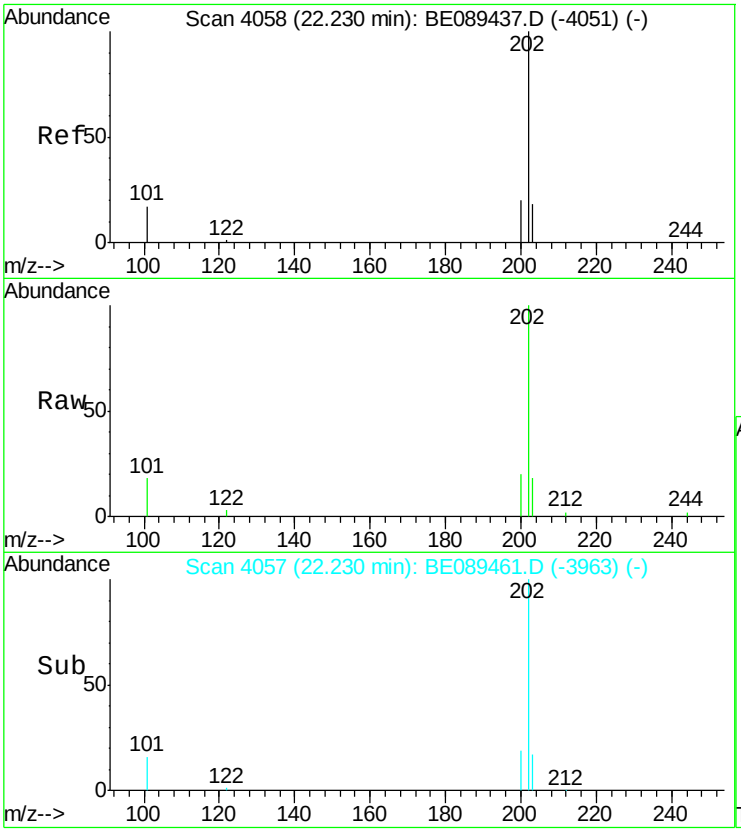


#16
Chrysene-d12
Concen: 5.00 ng
RT: 23.85 min Scan# 4328
Delta R.T. 0.00 min
Lab File: BE089461.D
Acq: 31 Jan 2015 7:42

Tgt Ion:240 Resp: 130788

Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.6	13.0
236	22.5	18.7	28.1



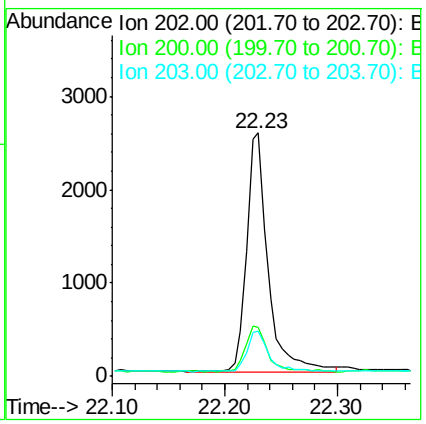


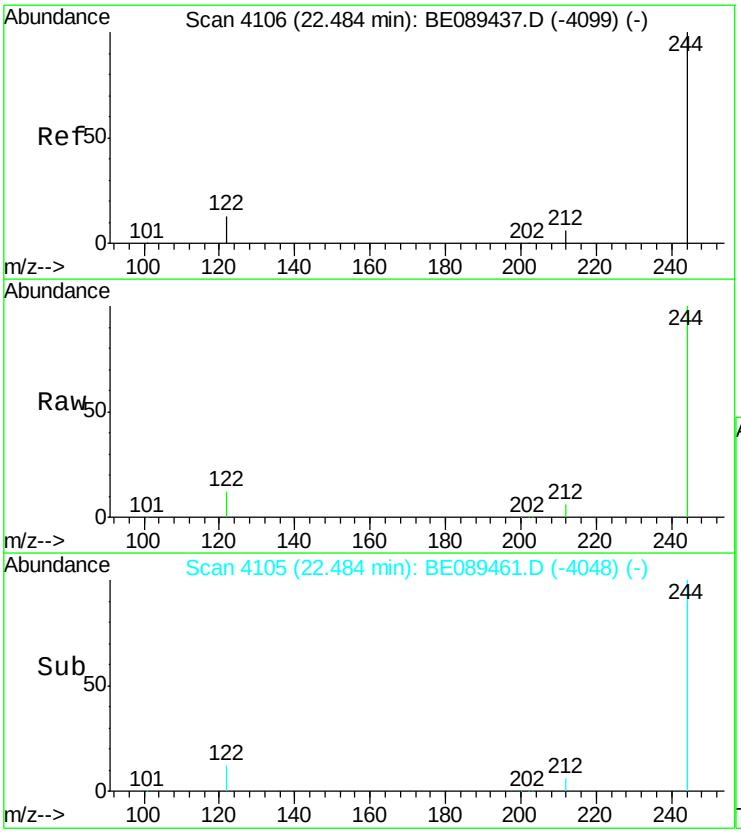
#17
Pyrene
Concen: 0.10 ng
RT: 22.23 min Scan# 4057
Delta R.T. -0.00 min
Lab File: BE089461.D
Acq: 31 Jan 2015 7:42

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:202 Resp: 3358

Ion	Ratio	Lower	Upper
202	100		
200	19.7	16.2	24.4
203	17.0	13.8	20.8

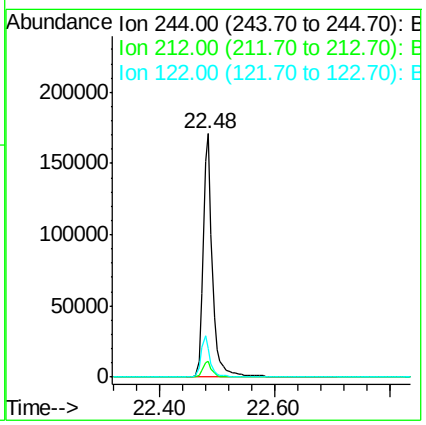


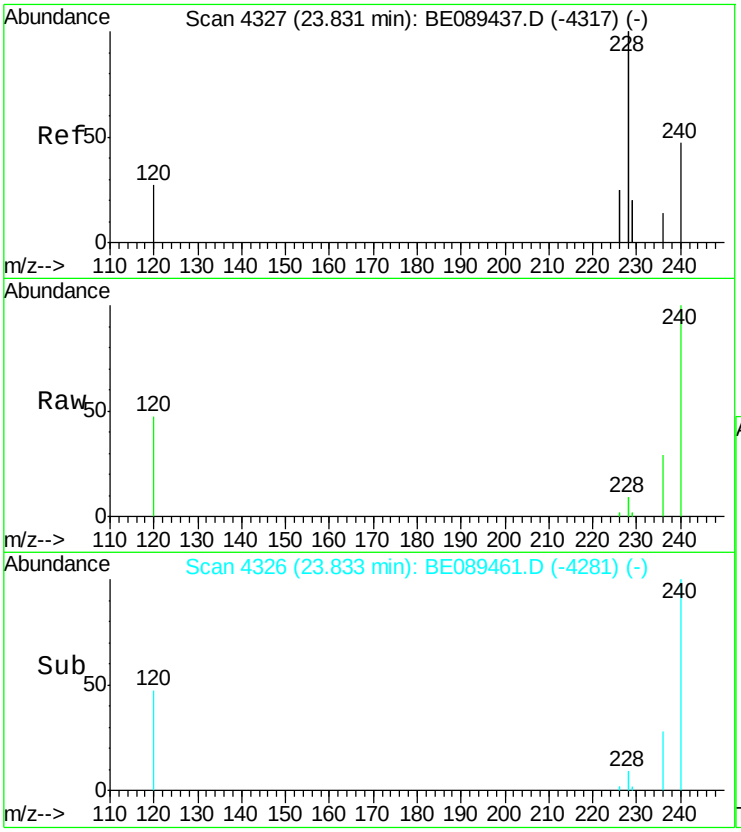


#18
Terphenyl-d14
Concen: 9.84 ng
RT: 22.48 min Scan# 4105
Delta R.T. -0.00 min
Lab File: BE089461.D
Acq: 31 Jan 2015 7:42

Tgt Ion:244 Resp: 192624

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.0	7.6
122	11.9	10.2	15.4



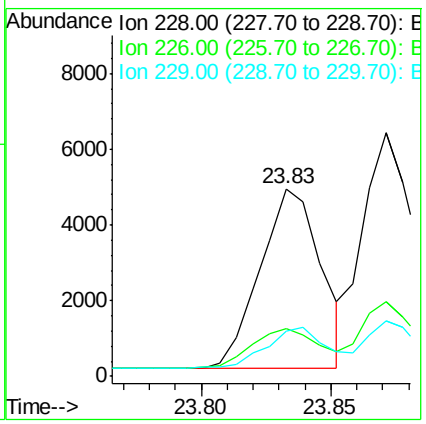


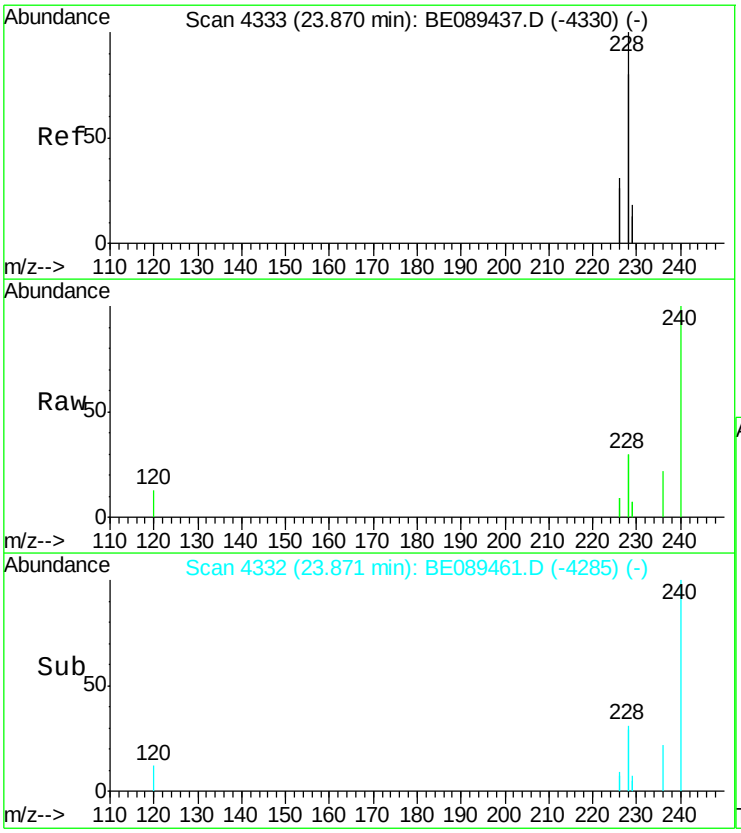
#19
Benzo(a)anthracene
Concen: 0.07 ng
RT: 23.83 min Scan# 4326
Delta R.T. 0.00 min
Lab File: BE089461.D
Acq: 31 Jan 2015 7:42

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 7743

Ion	Ratio	Lower	Upper
228	100		
226	25.6	20.0	30.0
229	24.0	16.0	24.0

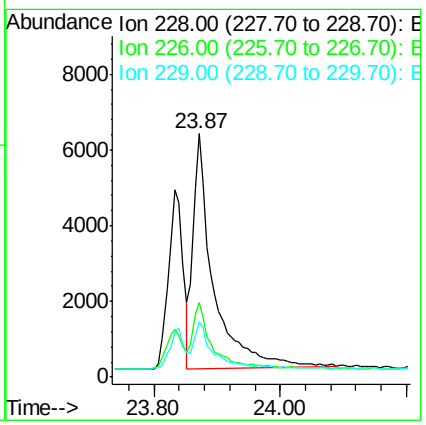


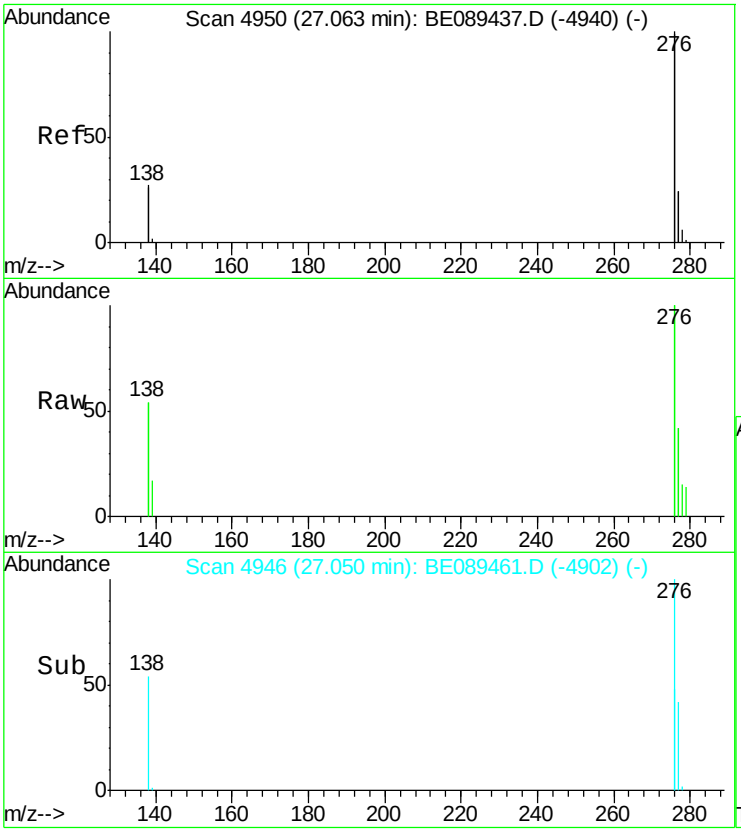


#20
Chrysene
Concen: 0.11 ng
RT: 23.87 min Scan# 4332
Delta R.T. 0.00 min
Lab File: BE089461.D
Acq: 31 Jan 2015 7:42

Tgt Ion:228 Resp: 13860

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.5	36.7
229	22.7	14.1	21.1#



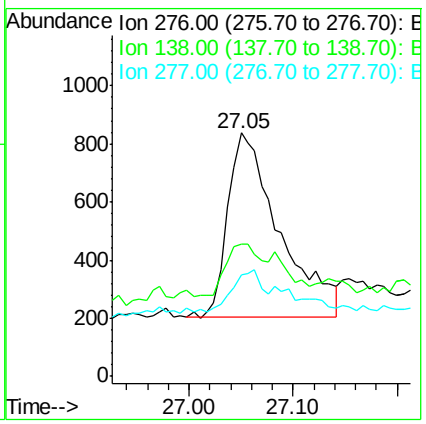


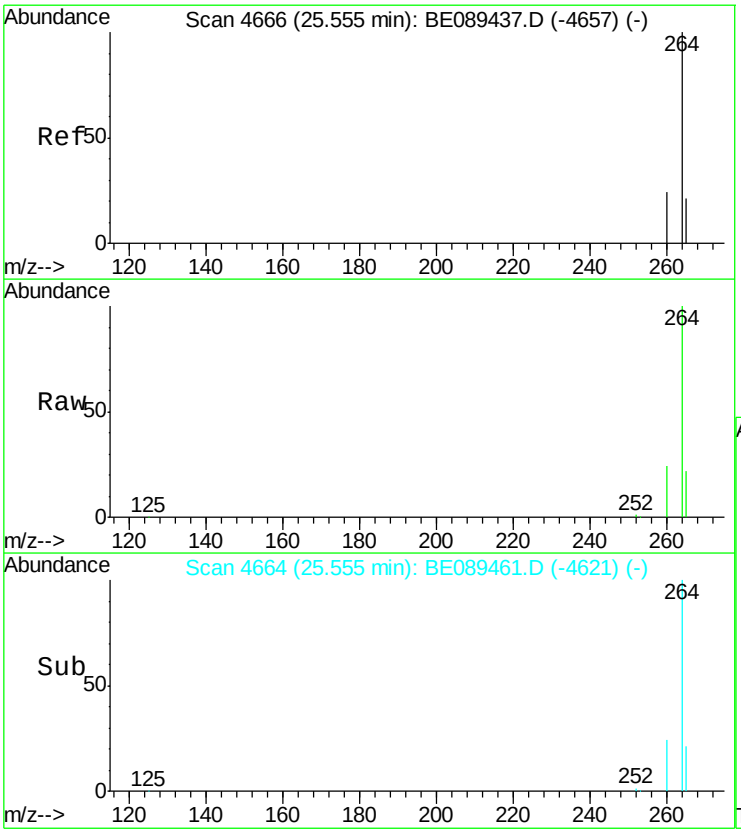
#21
Indeno(1,2,3-cd)pyrene
Concen: 0.02 ng
RT: 27.05 min Scan# 4946
Delta R.T. -0.01 min
Lab File: BE089461.D
Acq: 31 Jan 2015 7:42

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 2164

Ion	Ratio	Lower	Upper
276	100		
138	19.6	25.4	38.0#
277	13.0	19.8	29.6#

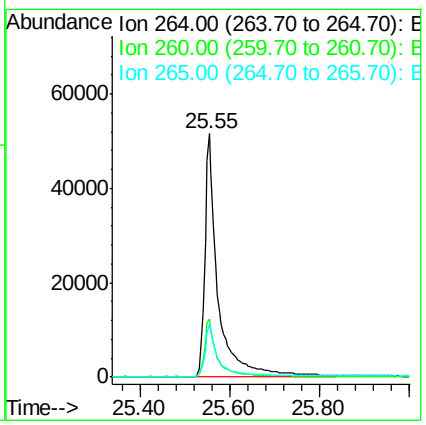


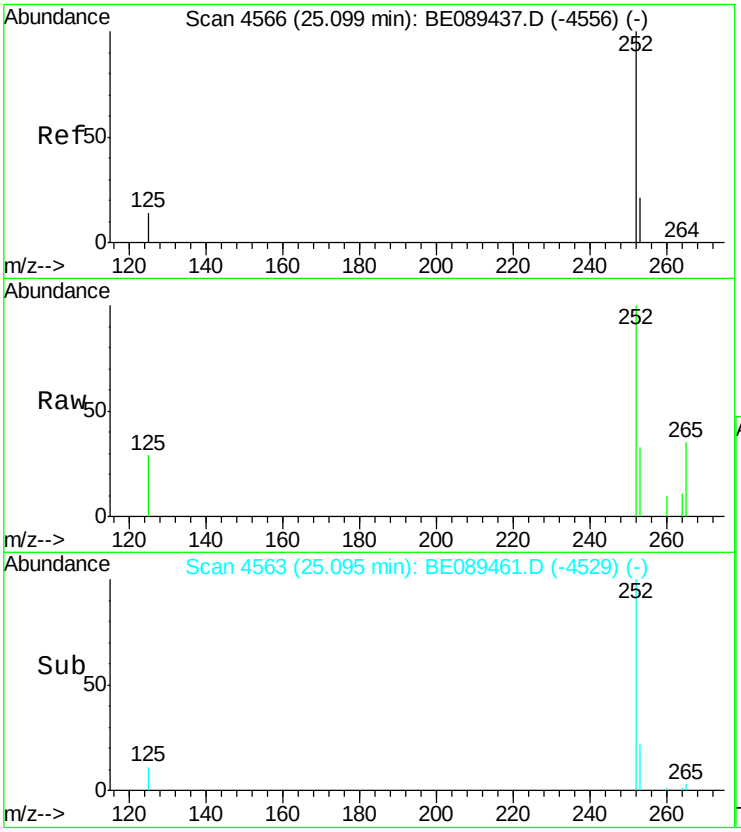


#22
Perylene-d12
Concen: 5.00 ng
RT: 25.55 min Scan# 4664
Delta R.T. 0.00 min
Lab File: BE089461.D
Acq: 31 Jan 2015 7:42

Tgt Ion:264 Resp: 105619

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.0
265	21.6	17.0	25.6



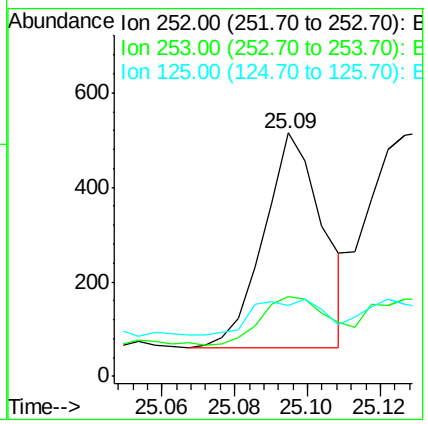


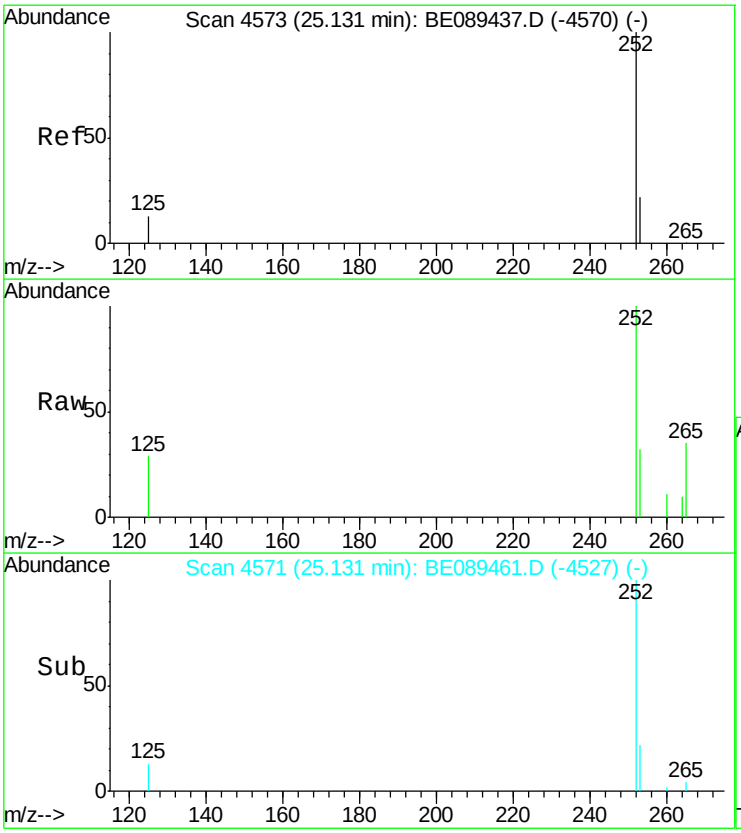
#23
Benzo(b)fluoranthene
Concen: 0.21 ng
RT: 25.09 min Scan# 4563
Delta R.T. -0.00 min
Lab File: BE089461.D
Acq: 31 Jan 2015 7:42

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 511

Ion	Ratio	Lower	Upper
252	100		
253	32.6	17.0	25.6#
125	28.9	11.4	17.0#

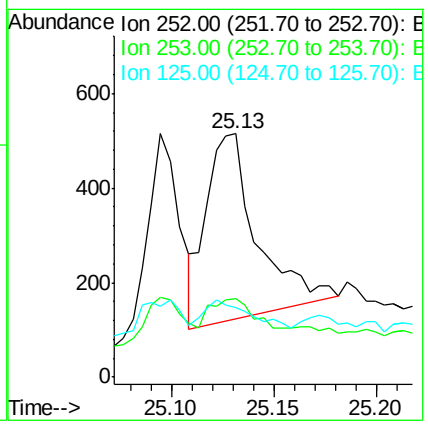


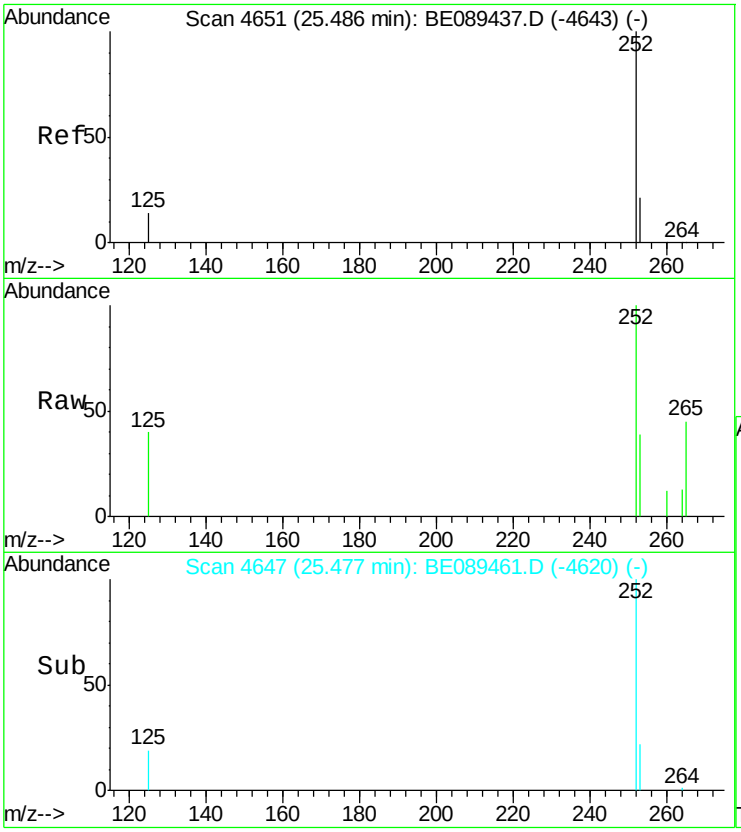


#24
Benzo(k)fluoranthene
Concen: 0.03 ng
RT: 25.13 min Scan# 4571
Delta R.T. 0.00 min
Lab File: BE089461.D
Acq: 31 Jan 2015 7:42

Tgt Ion:252 Resp: 688

Ion	Ratio	Lower	Upper
252	100		
253	32.2	17.4	26.2#
125	28.7	10.9	16.3#



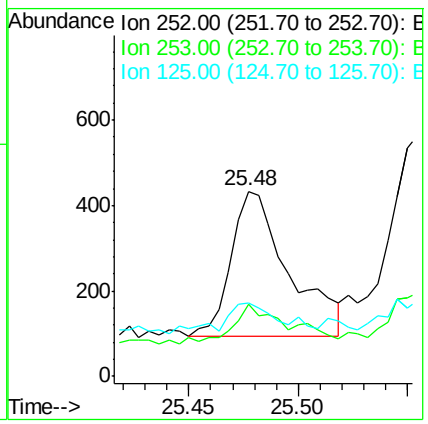


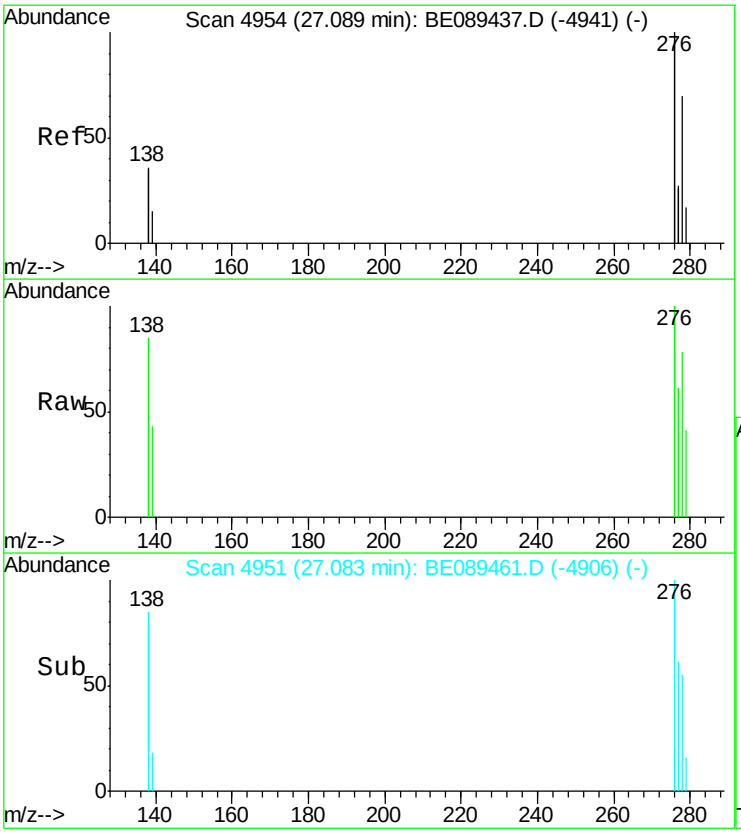
#25
Benzo(a)pyrene
Concen: 0.15 ng
RT: 25.48 min Scan# 4647
Delta R.T. -0.01 min
Lab File: BE089461.D
Acq: 31 Jan 2015 7:42

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 620

Ion	Ratio	Lower	Upper
252	100		
253	39.0	17.3	25.9#
125	39.7	12.0	18.0#

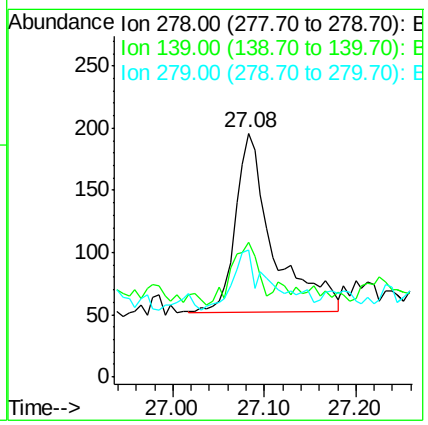


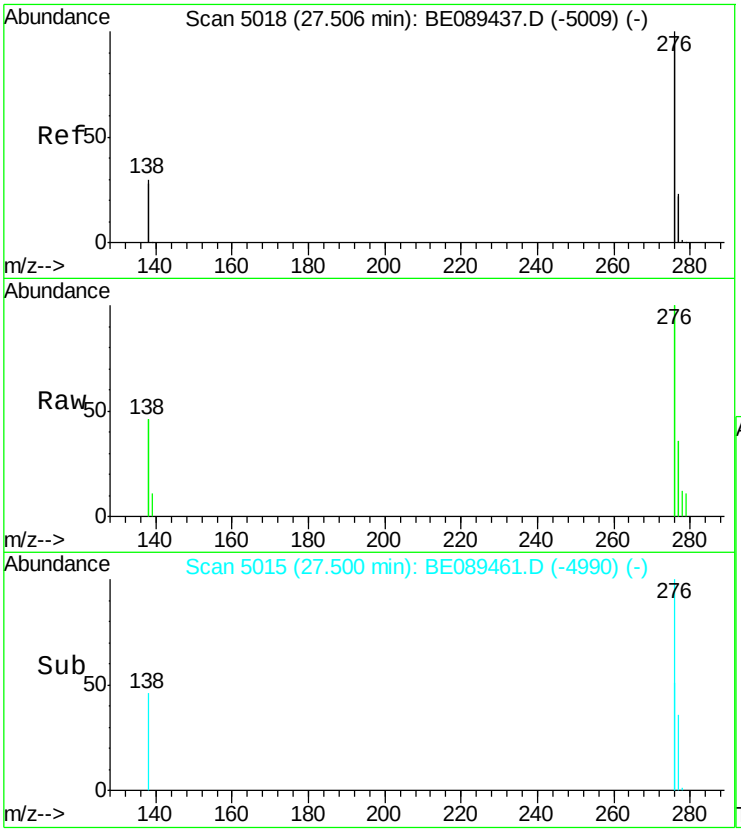


#26
Dibenzo(a,h)anthracene
Concen: 0.15 ng
RT: 27.08 min Scan# 4951
Delta R.T. -0.01 min
Lab File: BE089461.D
Acq: 31 Jan 2015 7:42

Tgt Ion:278 Resp: 405

Ion	Ratio	Lower	Upper
278	100		
139	55.1	17.0	25.4#
279	52.0	19.1	28.7#





#27
Benzo(g,h,i)perylene
Concen: 0.04 ng
RT: 27.50 min Scan# 5015
Delta R.T. -0.01 min
Lab File: BE089461.D
Acq: 31 Jan 2015 7:42

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 3111

Ion	Ratio	Lower	Upper
276	100		
277	36.0	18.4	27.6#
138	46.0	23.7	35.5#