Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032816\
Data File : BE091536.D
Acq On : 28 Mar 2016 12:52
Operator : UM/SJ
Sample : H1739-22DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : RR-PAH-WPDL

Quant Time: Mar 28 15:06:03 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 25 19:00:32 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	33433	5.00	ng		0.00
6) Naphthalene-d8	10.59	136	157270	5.00	ng		0.00
10) Acenaphthene-d10	14.43	164	96362	5.00	ng		-0.01
16) Phenanthrene-d10	17.17	188	249597	5.00	ng		0.00
22) Chrysene-d12	21.33	240	269763	5.00	ng		0.00
28) Perylene-d12	23.78	264	263526	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.41	112	11533	1.77	ng		-0.01
5) Phenol-d6	6.97	99	15998	1.80	ng		-0.02
7) Nitrobenzene-d5	8.97	82	6008	0.88	ng		-0.01
11) 2,4,6-Tribromophenol	15.92	330	3555	2.17	ng		0.00
12) 2-Fluorobiphenyl	13.06	172	24150	0.89	ng		-0.01
24) Terphenyl-d14	19.78	244	42767	0.96	ng		0.00
Target Compounds							Qvalue
8) Naphthalene	10.65	128	29229	0.92	ng		94
13) Acenaphthylene	14.15	152	107799	3.19	ng		97
14) Acenaphthene	14.49	154	46124	1.93	ng		97
15) Fluorene	15.47	166	28733	0.99	ng		100
19) Phenanthrene	17.20	178	23095	0.40	ng		100
20) Anthracene	17.30	178	33958	0.72	ng		100
21) Fluoranthene	19.22	202	9046	0.17	ng		98
23) Pyrene	19.57	202	40691	0.64	ng		97
25) Benzo(a)anthracene	21.31	228	51055m	0.82	ng		
26) Chrysene	21.36	228	20087m	0.25	ng		
27) Indeno(1,2,3-cd)pyrene	26.36	276	15574	0.24	ng		99
29) Benzo(b)fluoranthene	23.02	252	13150m	0.22	ng		
30) Benzo(k)fluoranthene	23.08	252	60245m	1.03	ng		
31) Benzo(a)pyrene	23.67	252	4947	0.29	ng	#	87
32) Dibenzo(a,h)anthracene	26.39	278	14549	0.28	ng		99
33) Benzo(g,h,i)perylene	27.15	276	18557	0.34	ng		99

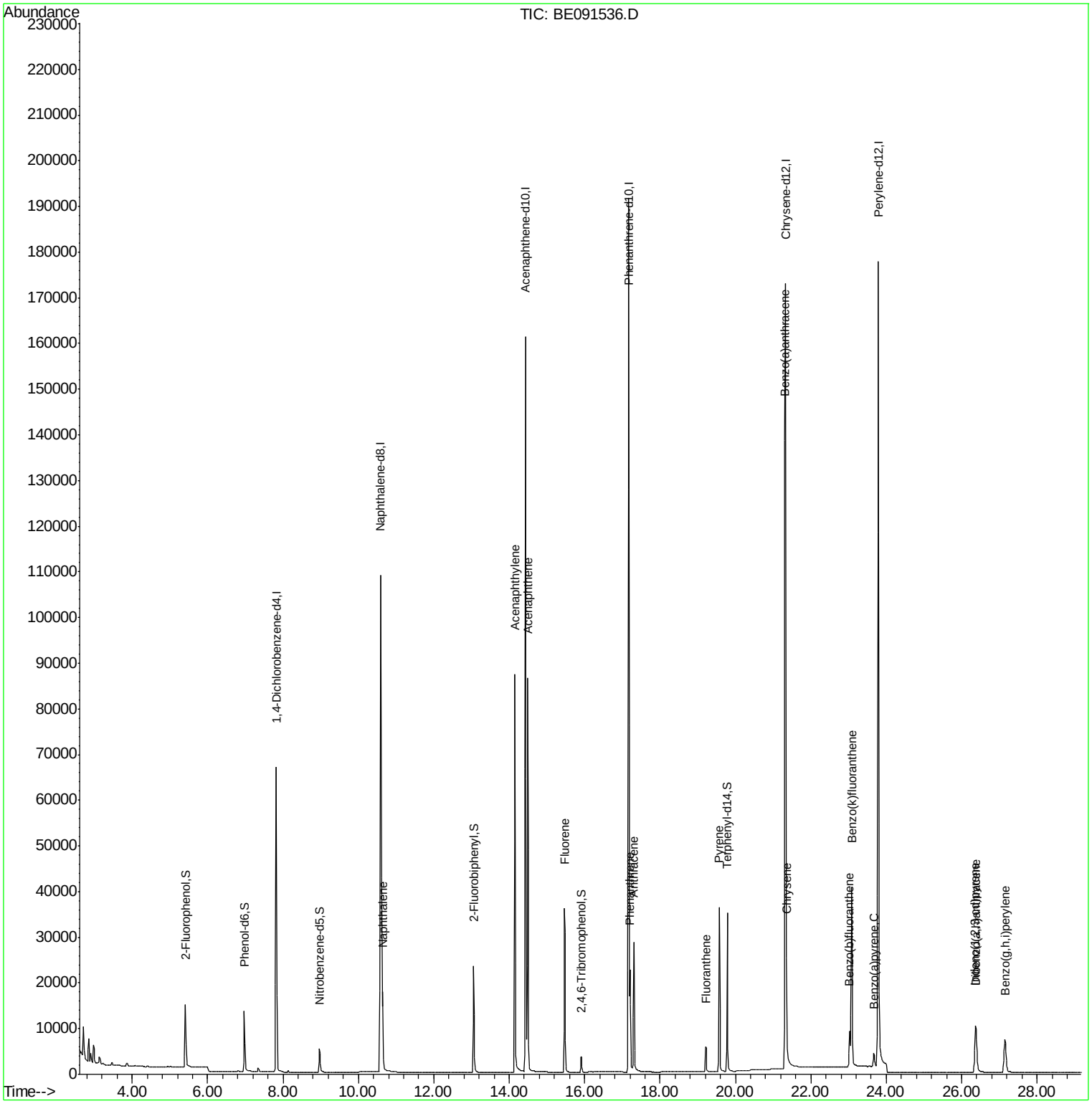
(#) = qualifier out of range (m) = manual integration (+) = signals summed

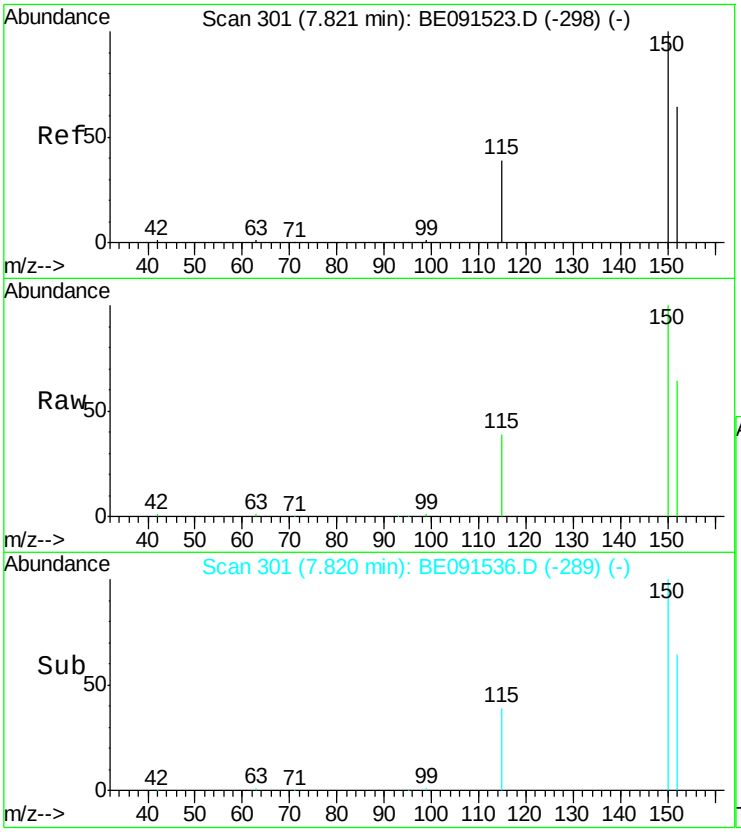
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032816\
Data File : BE091536.D
Acq On : 28 Mar 2016 12:52
Operator : UM/SJ
Sample : H1739-22DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Quant Time: Mar 28 15:06:03 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 25 19:00:32 2016
Response via : Initial Calibration



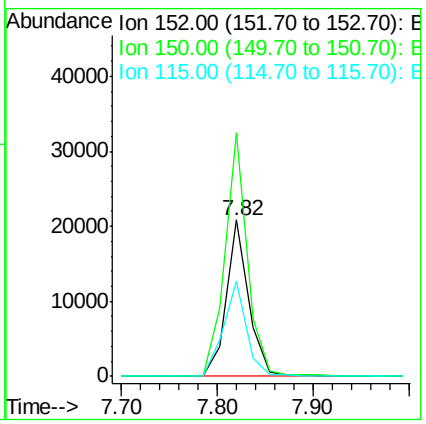


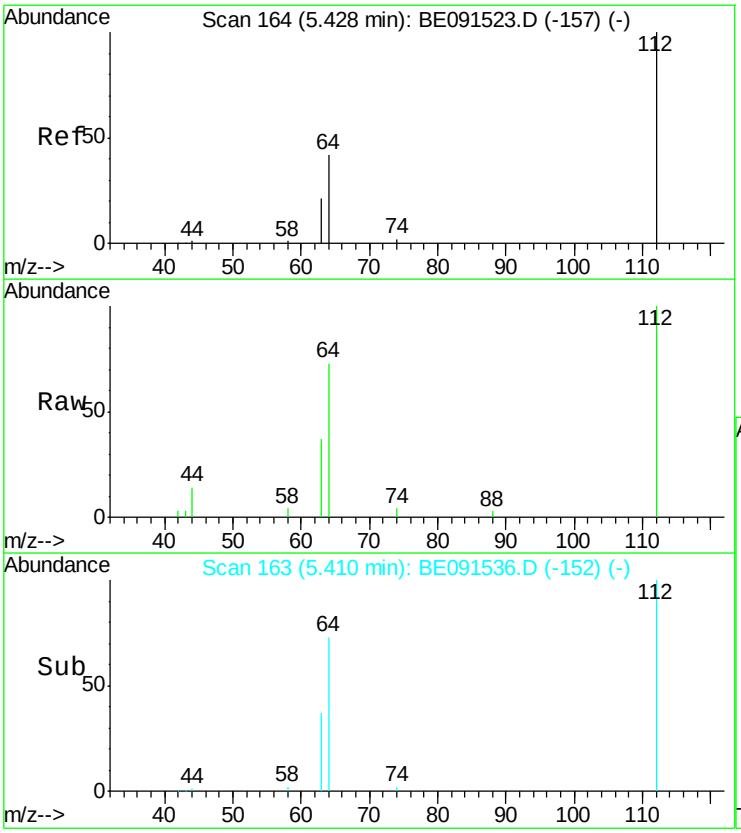
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.82 min Scan# 301
Delta R.T. 0.00 min
Lab File: BE091536.D
Acq: 28 Mar 2016 12:52

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:152 Resp: 33433

Ion	Ratio	Lower	Upper
152	100		
150	155.7	122.2	183.2
115	60.7	45.9	68.9

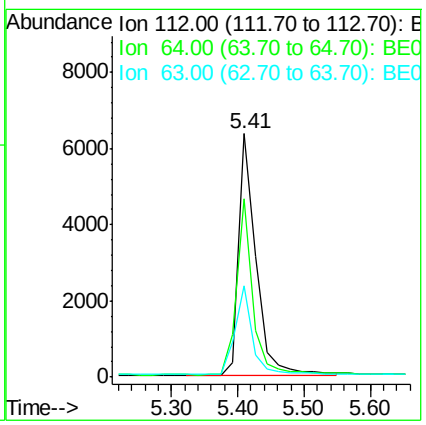


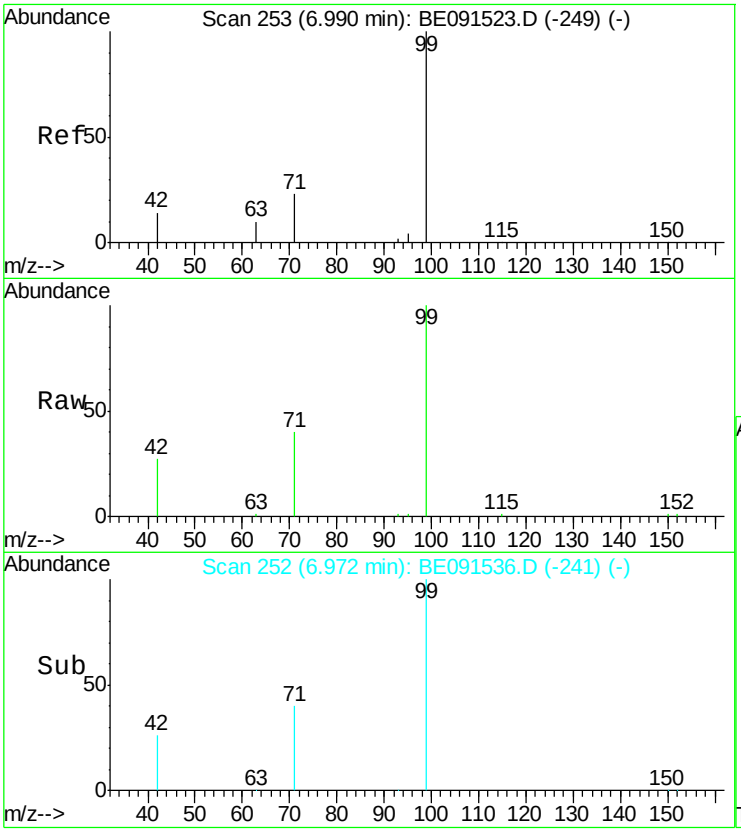


#4
2-Fluorophenol
Concen: 1.77 ng
RT: 5.41 min Scan# 163
Delta R.T. -0.01 min
Lab File: BE091536.D
Acq: 28 Mar 2016 12:52

Tgt Ion:112 Resp: 11533

Ion	Ratio	Lower	Upper
112	100		
64	68.1	53.3	79.9
63	36.8	29.8	44.8



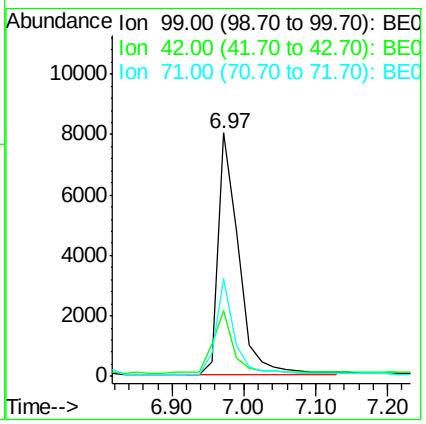


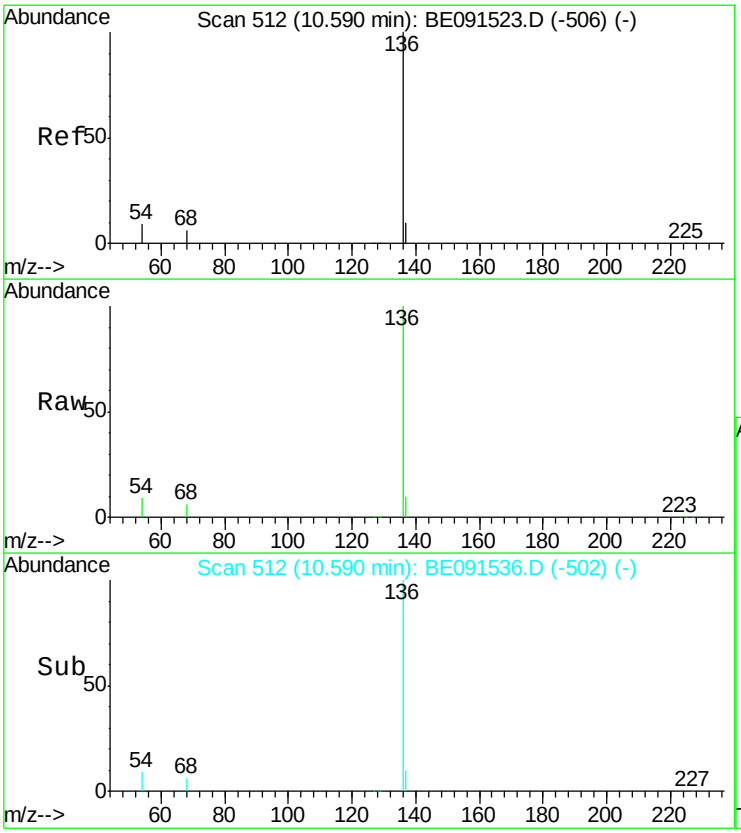
#5
Phenol-d6
Concen: 1.80 ng
RT: 6.97 min Scan# 252
Delta R.T. -0.02 min
Lab File: BE091536.D
Acq: 28 Mar 2016 12:52

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion: 99 Resp: 15998

Ion	Ratio	Lower	Upper
99	100		
42	25.3	20.6	30.8
71	36.3	29.0	43.4

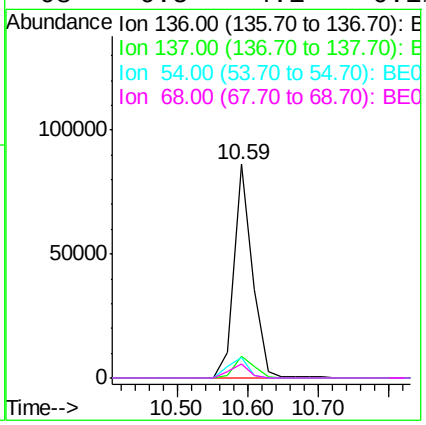


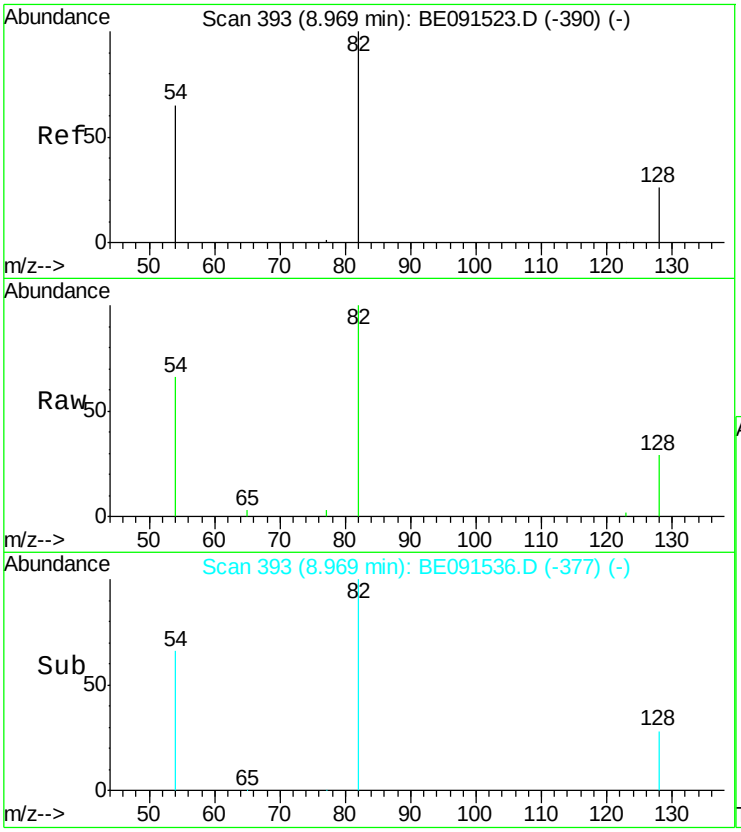


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.59 min Scan# 512
Delta R.T. -0.00 min
Lab File: BE091536.D
Acq: 28 Mar 2016 12:52

Tgt Ion:136 Resp: 157270

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.8	13.2
54	9.4	5.2	7.8#
68	6.5	4.1	6.1#



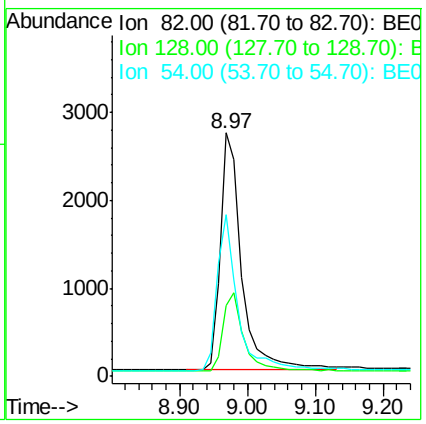


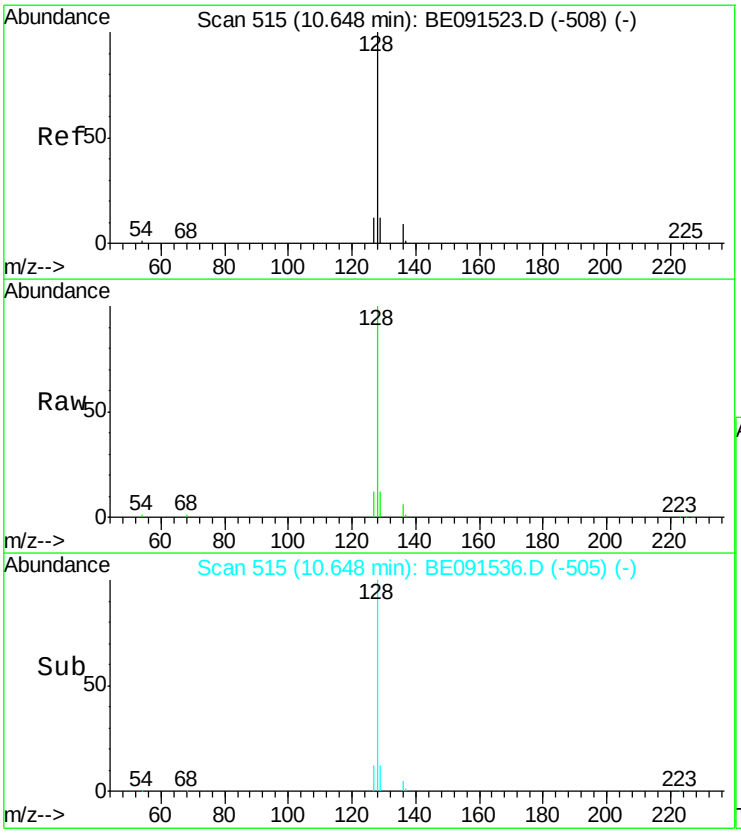
#7
Nitrobenzene-d5
Concen: 0.88 ng
RT: 8.97 min Scan# 393
Delta R.T. -0.01 min
Lab File: BE091536.D
Acq: 28 Mar 2016 12:52

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion: 82 Resp: 6008

Ion	Ratio	Lower	Upper
82	100		
128	29.3	23.5	35.3
54	66.3	52.4	78.6

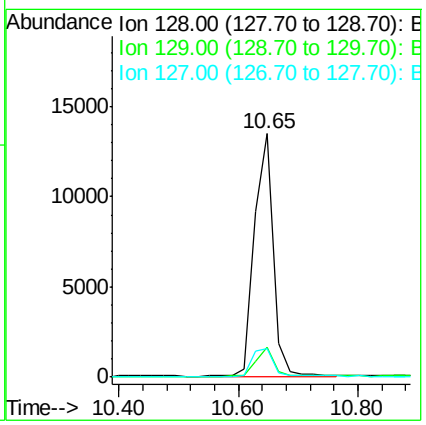


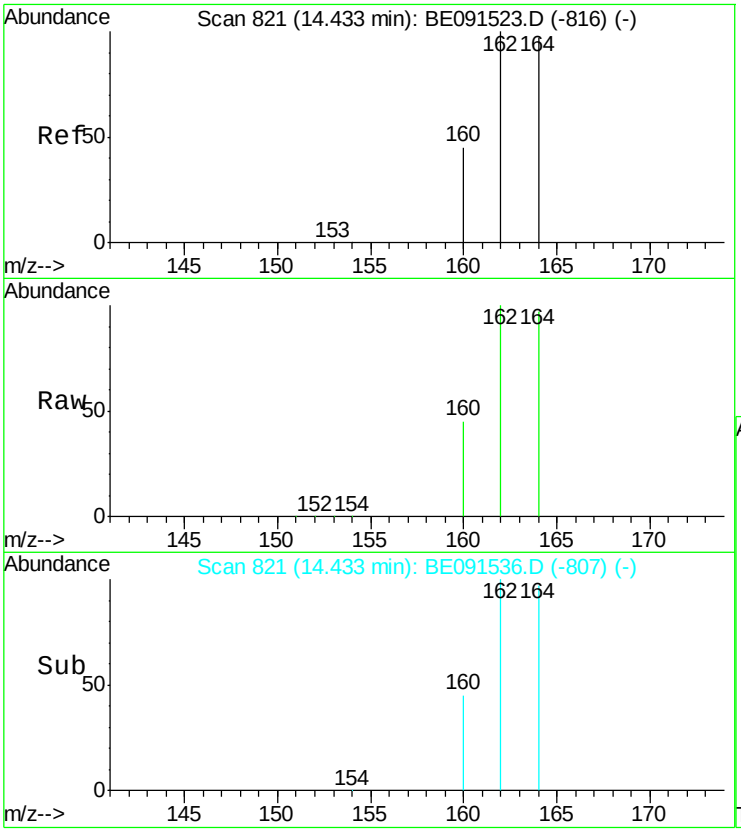


#8
Naphthalene
Concen: 0.92 ng
RT: 10.65 min Scan# 515
Delta R.T. -0.00 min
Lab File: BE091536.D
Acq: 28 Mar 2016 12:52

Tgt Ion:128 Resp: 29229

Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.2	12.2
127	11.9	11.8	17.8



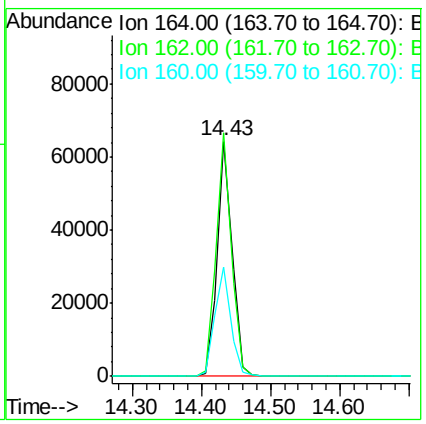


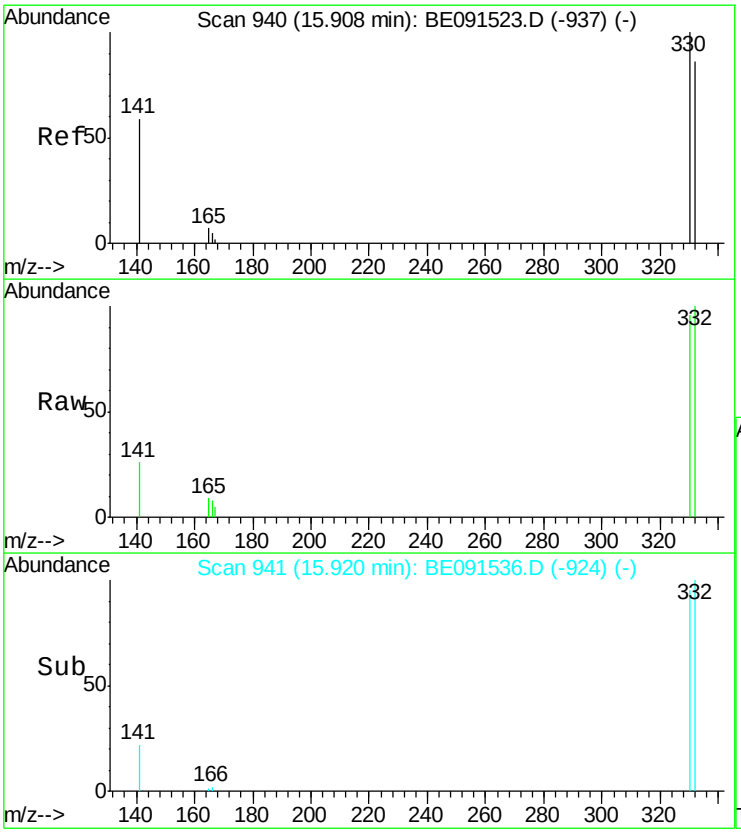
#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.43 min Scan# 821
Delta R.T. -0.01 min
Lab File: BE091536.D
Acq: 28 Mar 2016 12:52

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:164 Resp: 96362

Ion	Ratio	Lower	Upper
164	100		
162	103.5	84.4	126.6
160	46.4	37.7	56.5

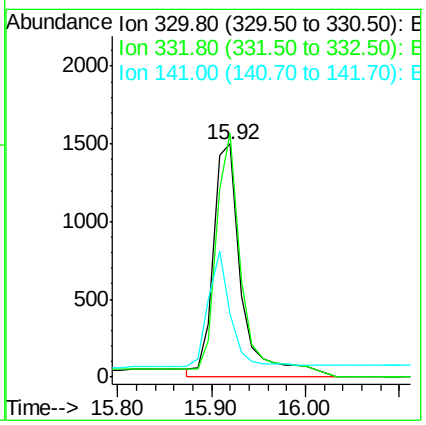


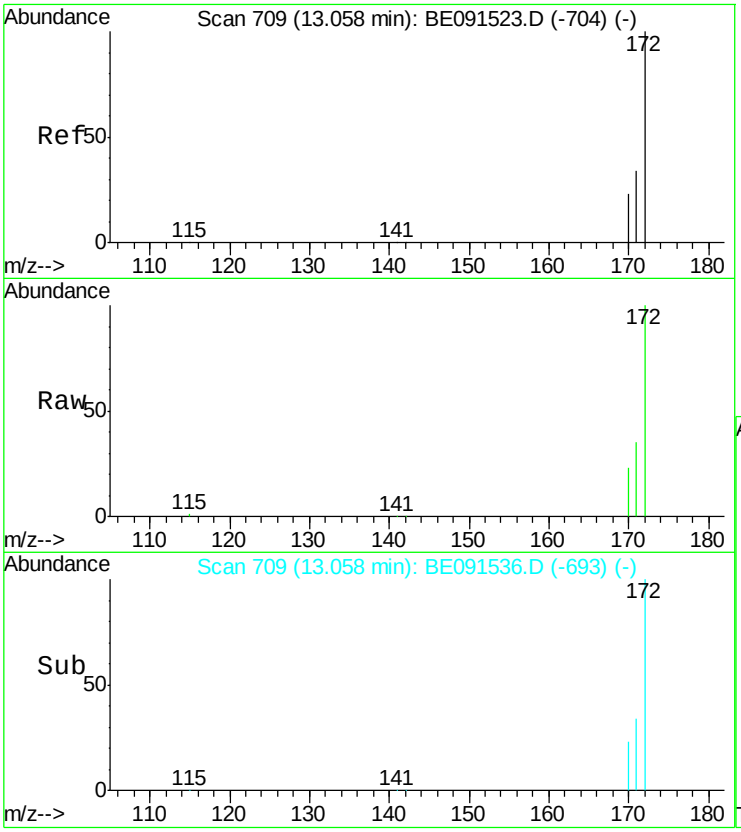


#11
2,4,6-Tribromophenol
Concen: 2.17 ng
RT: 15.92 min Scan# 941
Delta R.T. 0.00 min
Lab File: BE091536.D
Acq: 28 Mar 2016 12:52

Tgt Ion:330 Resp: 3555

Ion	Ratio	Lower	Upper
330	100		
332	96.7	79.2	118.8
141	39.7	28.1	42.1



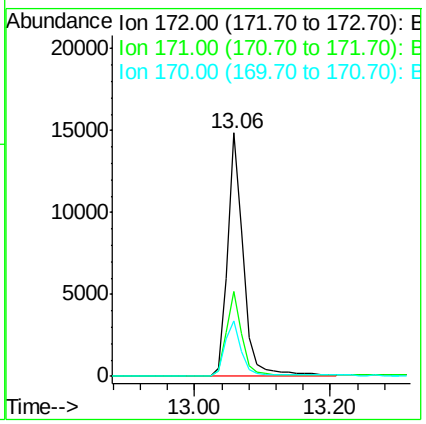


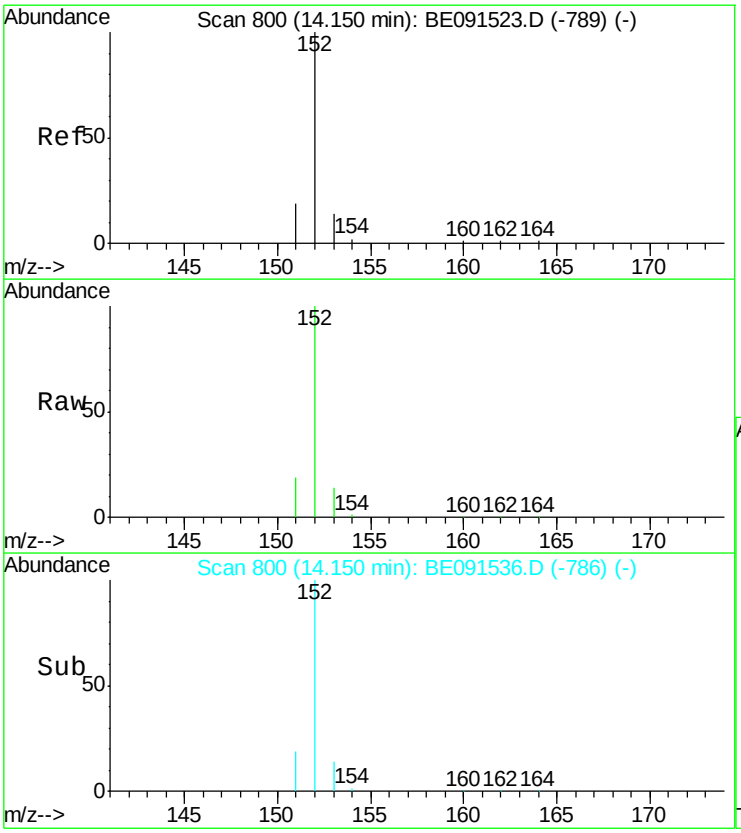
#12
2-Fluorobiphenyl
Concen: 0.89 ng
RT: 13.06 min Scan# 709
Delta R.T. -0.01 min
Lab File: BE091536.D
Acq: 28 Mar 2016 12:52

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:172 Resp: 24150

Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.8	44.8
170	23.0	21.4	32.2

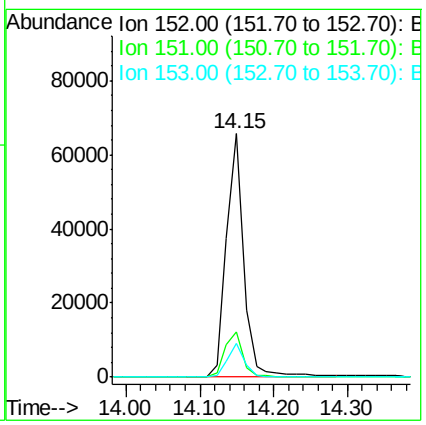


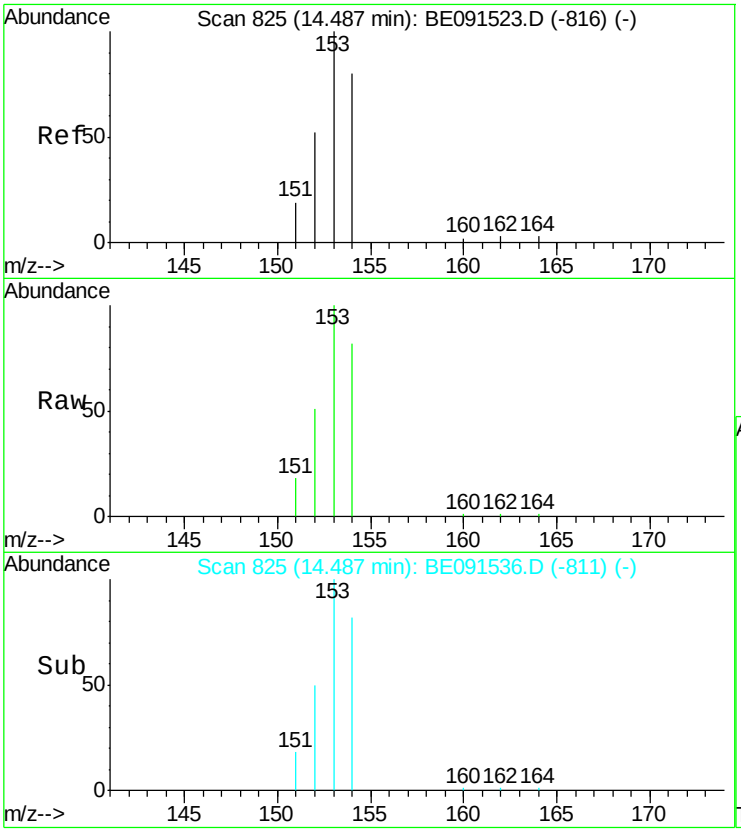


#13
Acenaphthylene
Concen: 3.19 ng
RT: 14.15 min Scan# 800
Delta R.T. 0.00 min
Lab File: BE091536.D
Acq: 28 Mar 2016 12:52

Tgt Ion:152 Resp: 107799

Ion	Ratio	Lower	Upper
152	100		
151	21.8	16.3	24.5
153	14.9	11.1	16.7



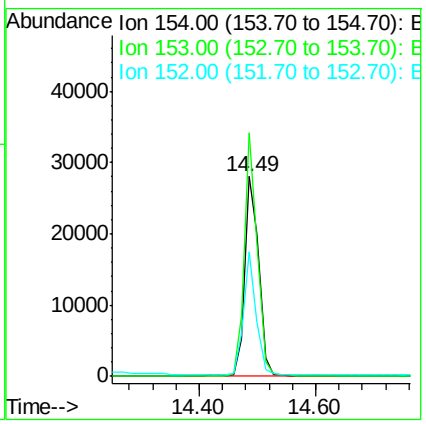


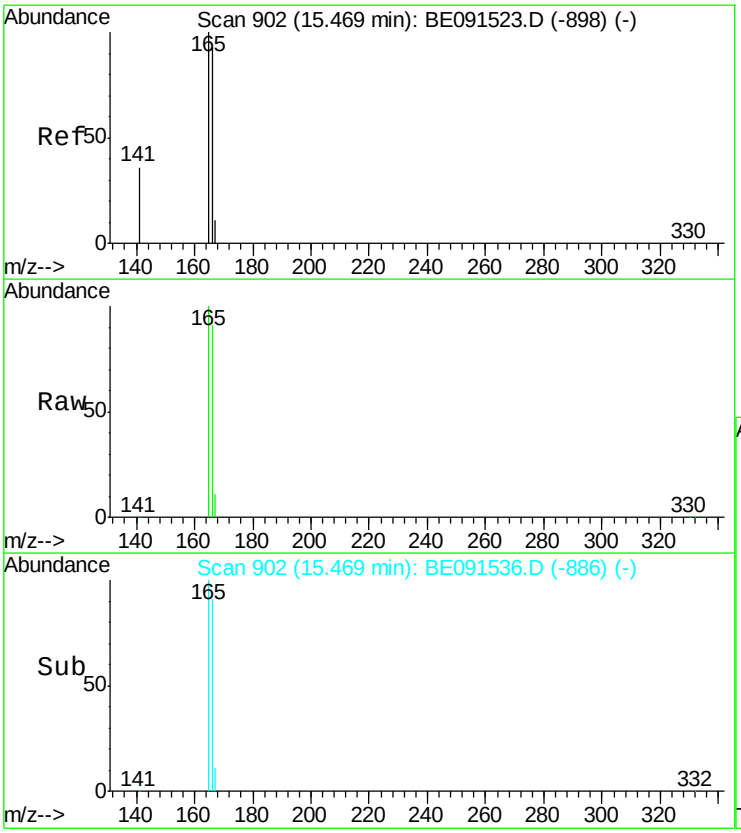
#14
Acenaphthene
Concen: 1.93 ng
RT: 14.49 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE091536.D
Acq: 28 Mar 2016 12:52

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:154 Resp: 46124

Ion	Ratio	Lower	Upper
154	100		
153	112.4	87.3	130.9
152	56.3	42.9	64.3

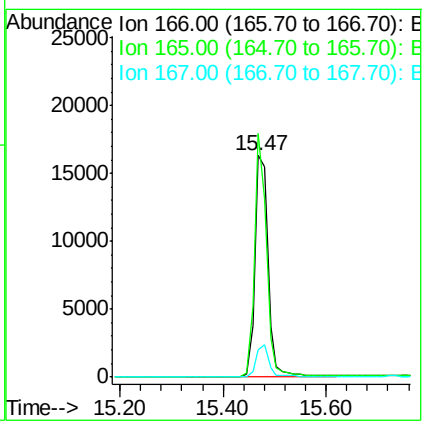


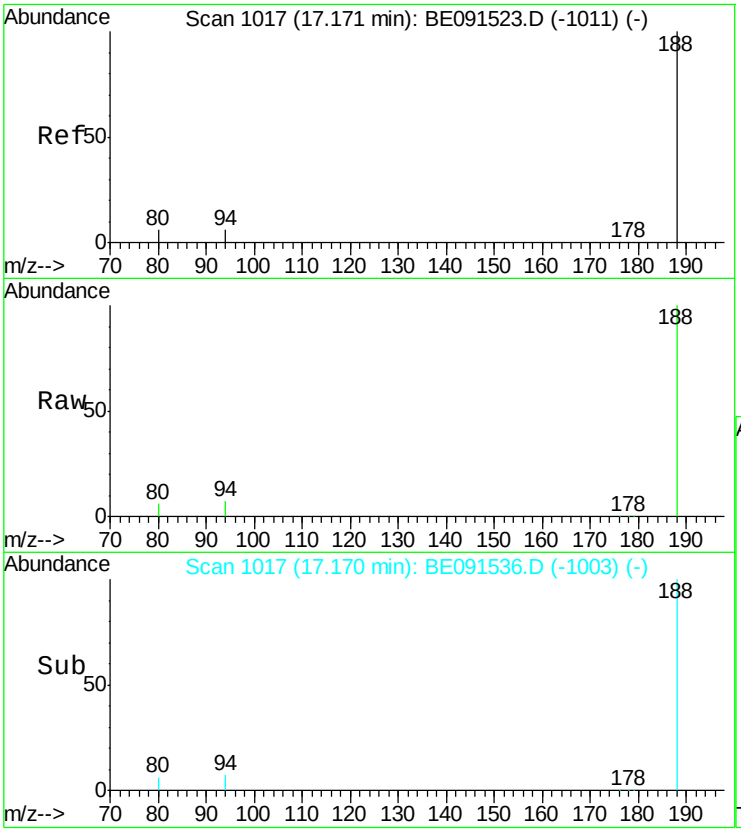


#15
Fluorene
Concen: 0.99 ng
RT: 15.47 min Scan# 902
Delta R.T. -0.01 min
Lab File: BE091536.D
Acq: 28 Mar 2016 12:52

Tgt Ion:166 Resp: 28733

Ion	Ratio	Lower	Upper
166	100		
165	99.5	79.2	118.8
167	13.4	10.8	16.2



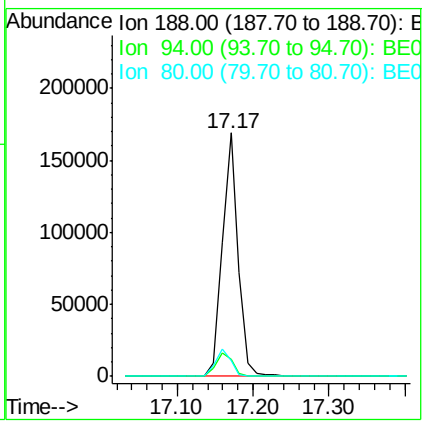


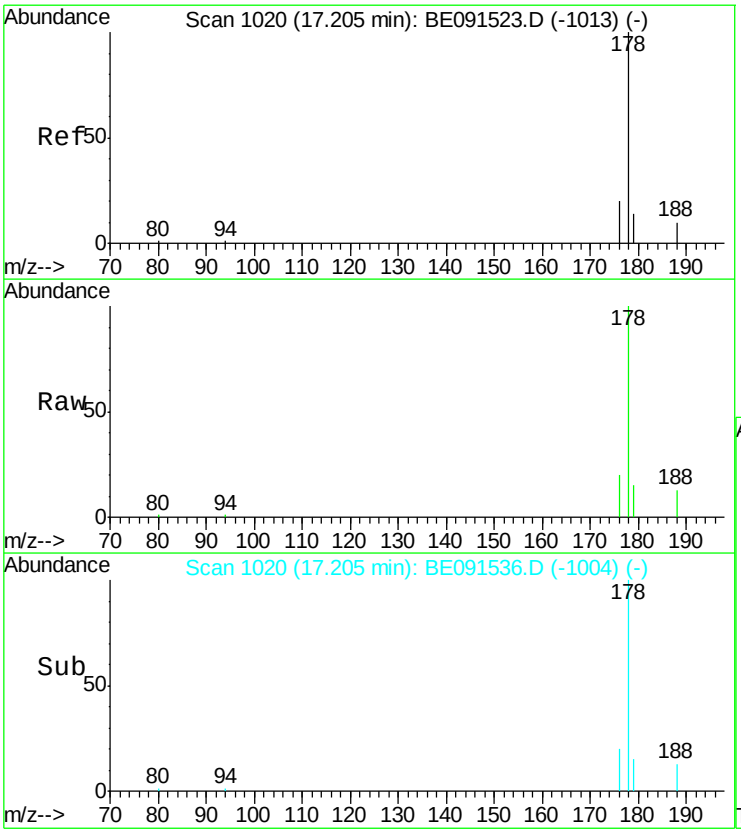
#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.17 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BE091536.D
Acq: 28 Mar 2016 12:52

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:188 Resp: 249597

Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.4	8.2
80	6.2	5.0	7.4

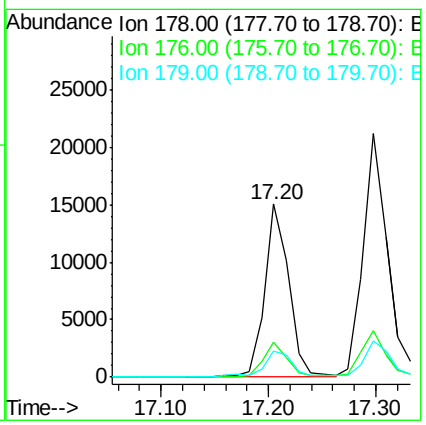


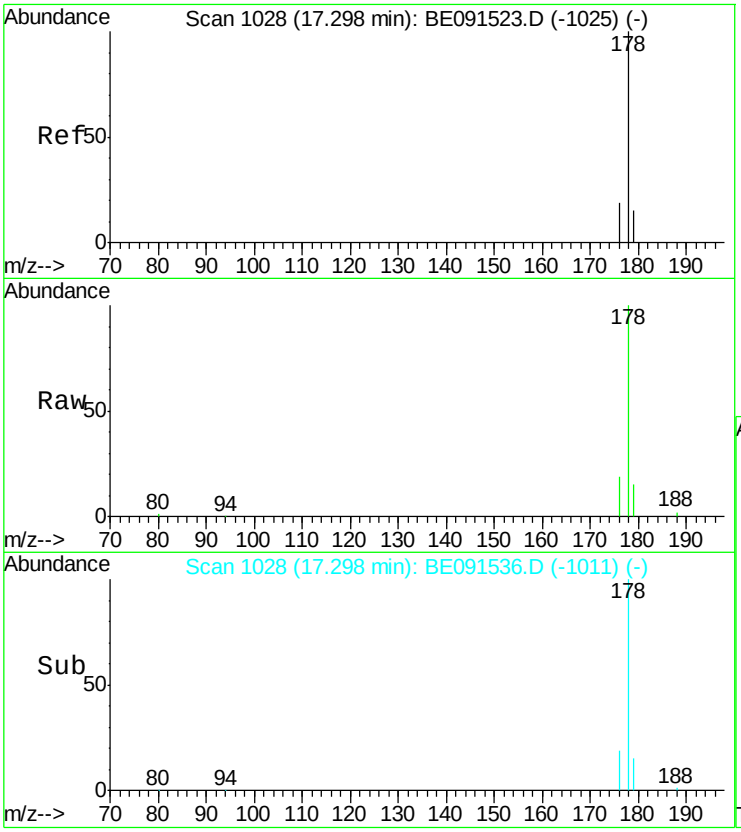


#19
Phenanthrene
Concen: 0.40 ng
RT: 17.20 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BE091536.D
Acq: 28 Mar 2016 12:52

Tgt Ion:178 Resp: 23095

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.5	23.3
179	16.4	13.1	19.7



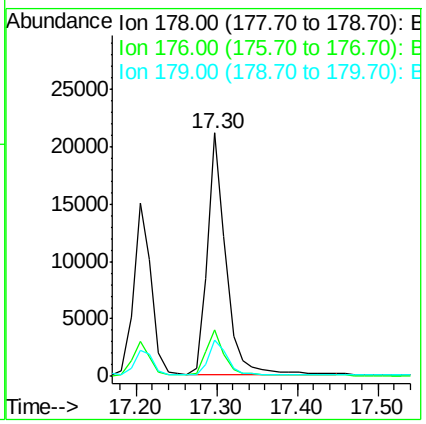


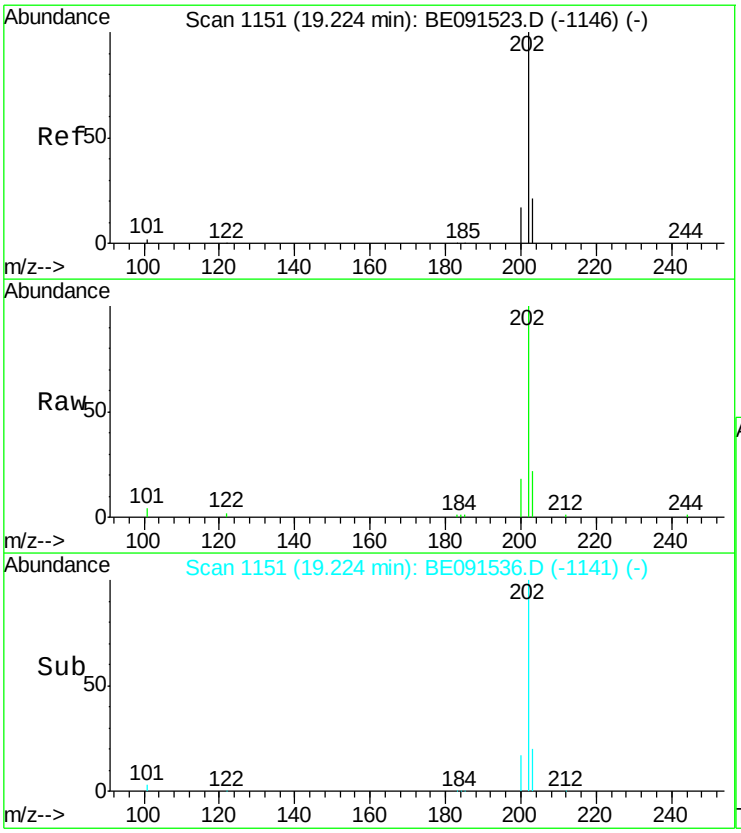
#20
Anthracene
Concen: 0.72 ng
RT: 17.30 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BE091536.D
Acq: 28 Mar 2016 12:52

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:178 Resp: 33958

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.2	12.2	18.4

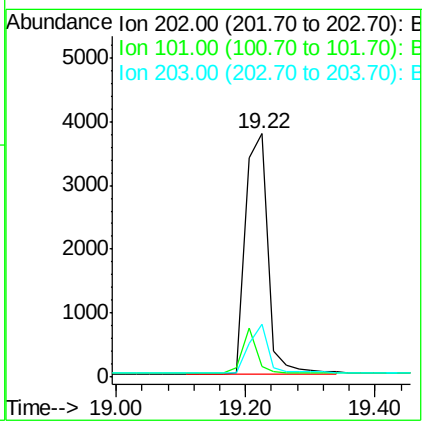


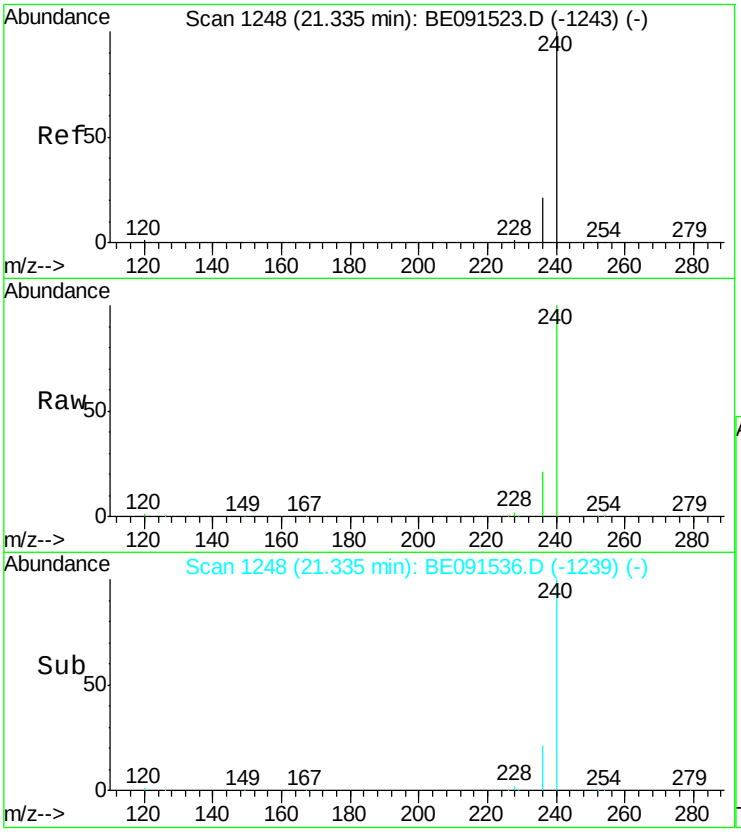


#21
Fluoranthene
Concen: 0.17 ng
RT: 19.22 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BE091536.D
Acq: 28 Mar 2016 12:52

Tgt Ion:202 Resp: 9046

Ion	Ratio	Lower	Upper
202	100		
101	12.0	8.3	12.5
203	17.5	13.9	20.9



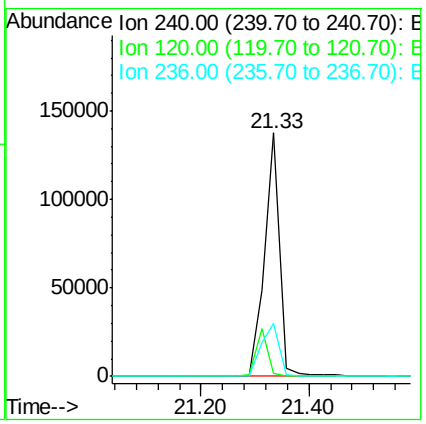


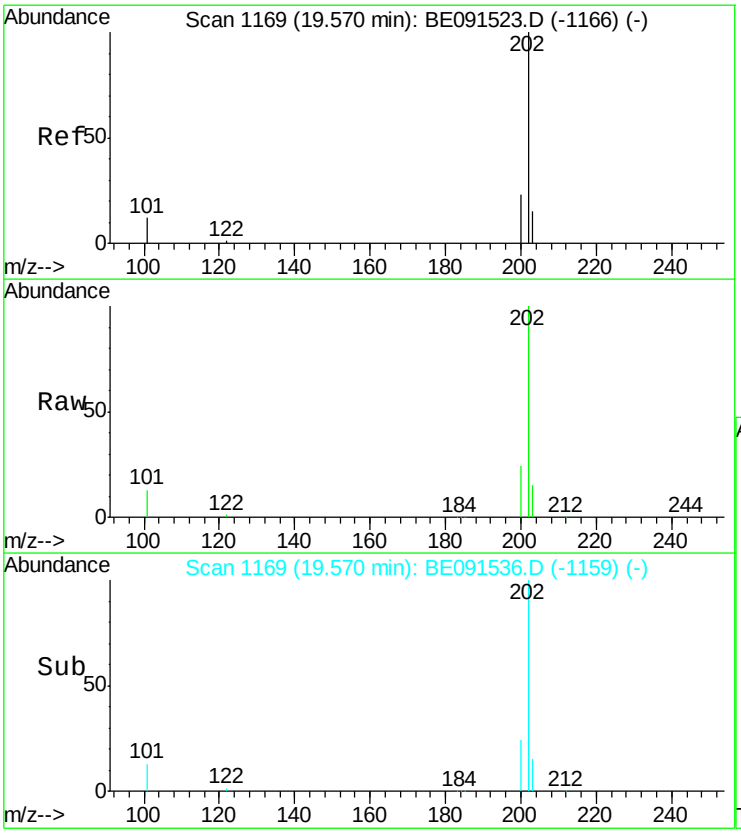
#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.33 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE091536.D
Acq: 28 Mar 2016 12:52

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:240 Resp: 269763

Ion	Ratio	Lower	Upper
240	100		
120	1.0	4.0	6.0#
236	21.5	23.0	34.4#

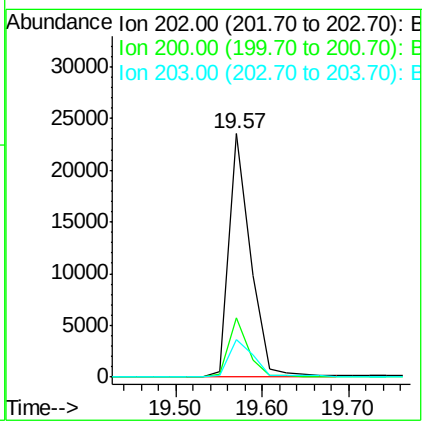


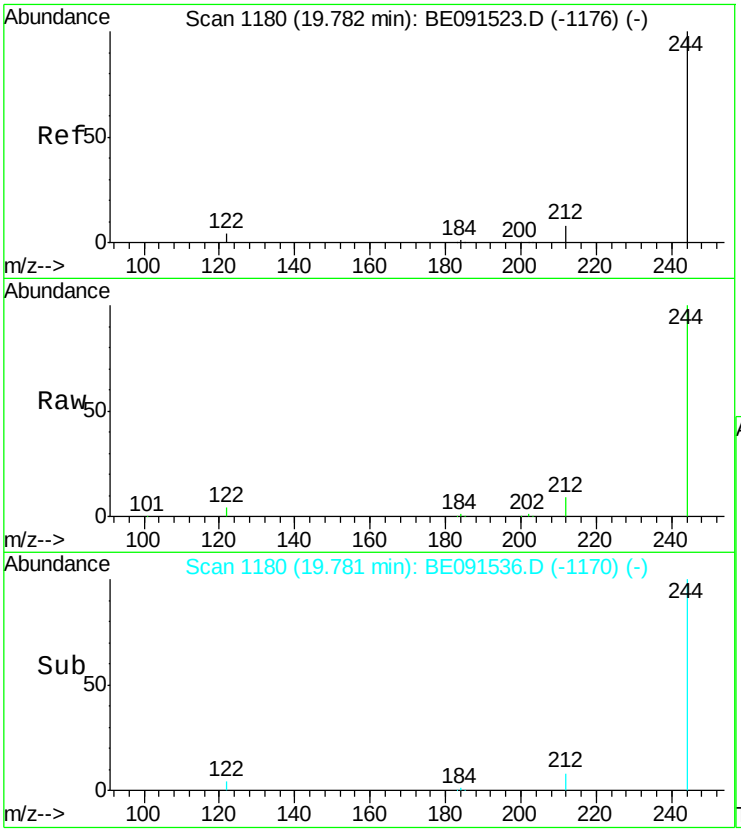


#23
Pyrene
Concen: 0.64 ng
RT: 19.57 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BE091536.D
Acq: 28 Mar 2016 12:52

Tgt Ion:202 Resp: 40691

Ion	Ratio	Lower	Upper
202	100		
200	21.8	16.4	24.6
203	17.2	14.6	21.8



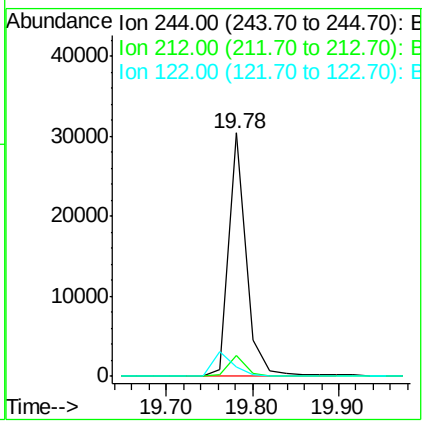


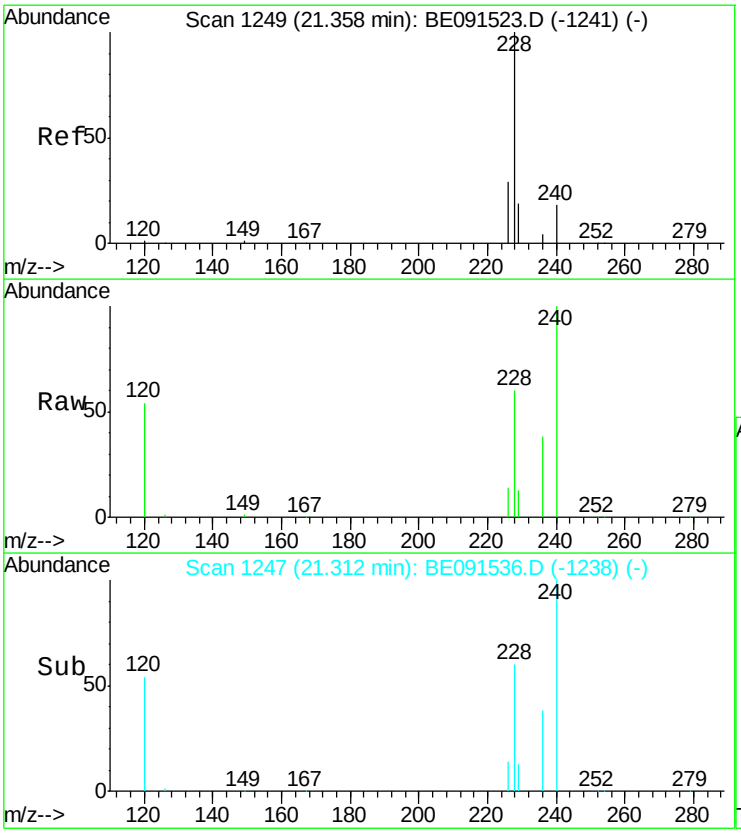
#24
Terphenyl-d14
Concen: 0.96 ng
RT: 19.78 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BE091536.D
Acq: 28 Mar 2016 12:52

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:244 Resp: 42767

Ion	Ratio	Lower	Upper
244	100		
212	8.6	5.8	8.8
122	4.1	1.8	2.8#

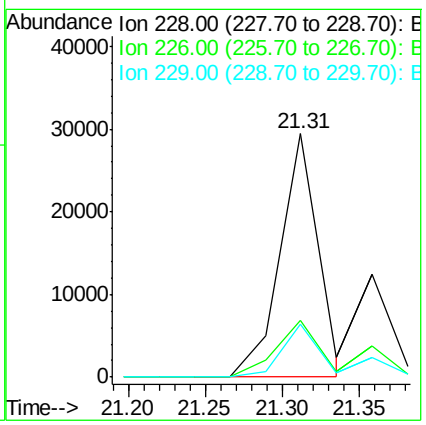


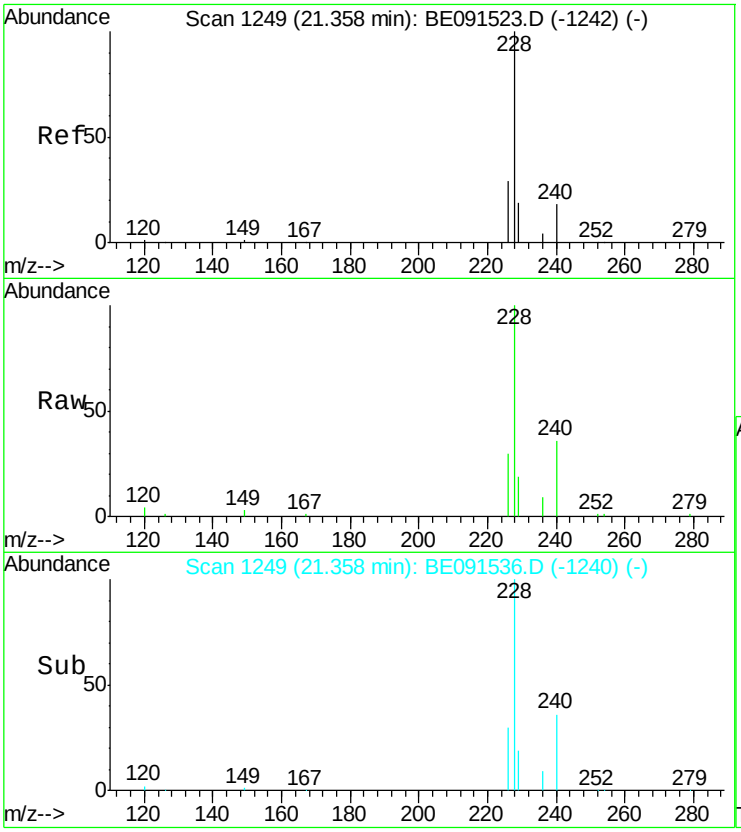


#25
Benzo(a)anthracene
Concen: 0.82 ng m
RT: 21.31 min Scan# 1247
Delta R.T. -0.00 min
Lab File: BE091536.D
Acq: 28 Mar 2016 12:52

Tgt Ion:228 Resp: 51055

Ion	Ratio	Lower	Upper
228	100		
226	23.2	24.0	36.0#
229	21.8	13.8	20.6#



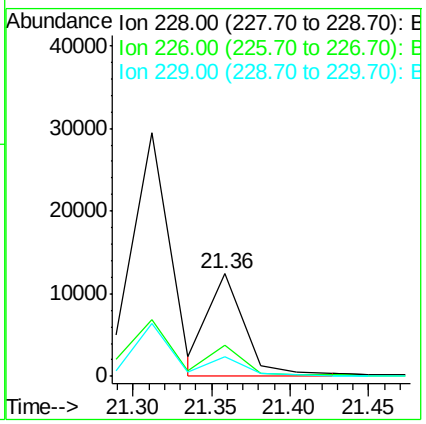


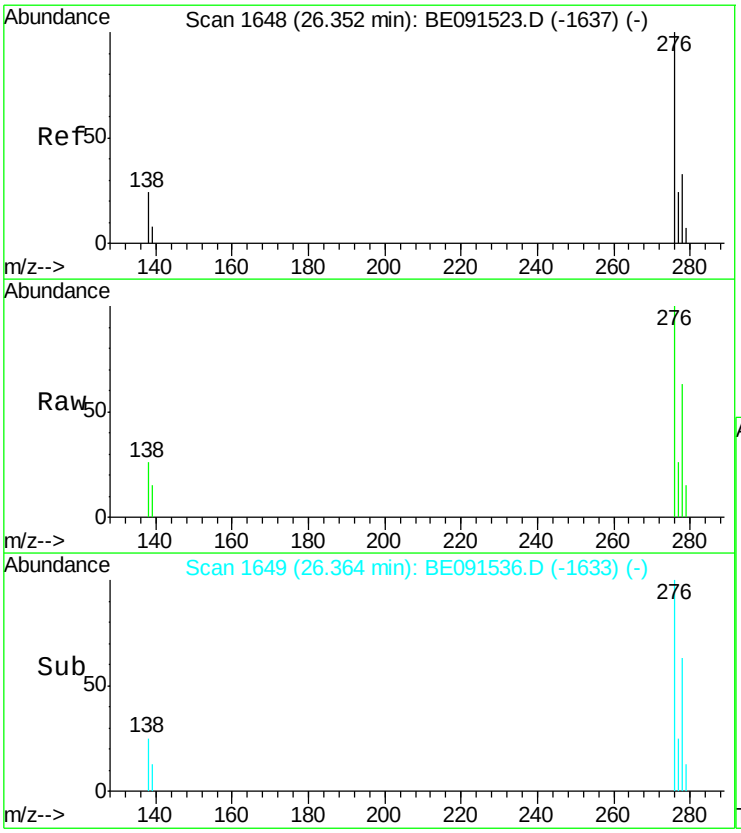
#26
Chrysene
Concen: 0.25 ng m
RT: 21.36 min Scan# 1249
Delta R.T. -0.00 min
Lab File: BE091536.D
Acq: 28 Mar 2016 12:52

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:228 Resp: 20087

Ion	Ratio	Lower	Upper
228	100		
226	29.9	18.9	28.3#
229	19.5	19.1	28.7

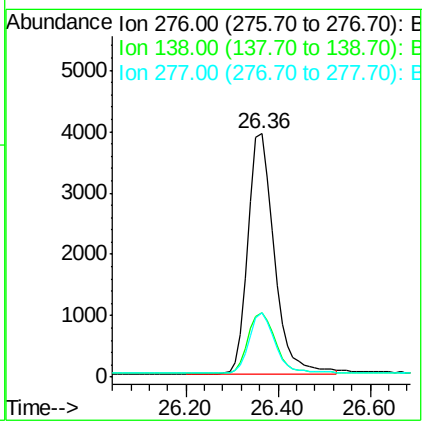


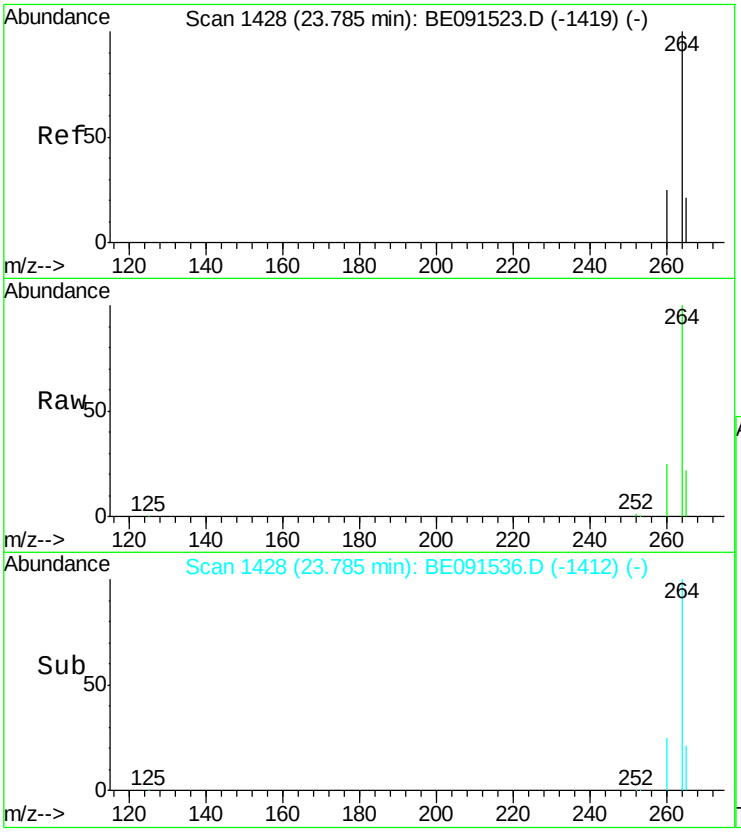


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.24 ng
RT: 26.36 min Scan# 1649
Delta R.T. -0.01 min
Lab File: BE091536.D
Acq: 28 Mar 2016 12:52

Tgt Ion:276 Resp: 15574

Ion	Ratio	Lower	Upper
276	100		
138	26.4	20.2	30.4
277	24.8	19.8	29.8



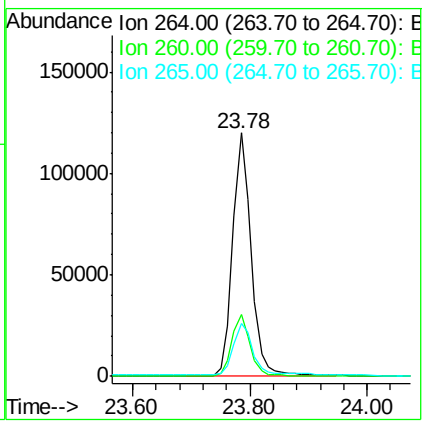


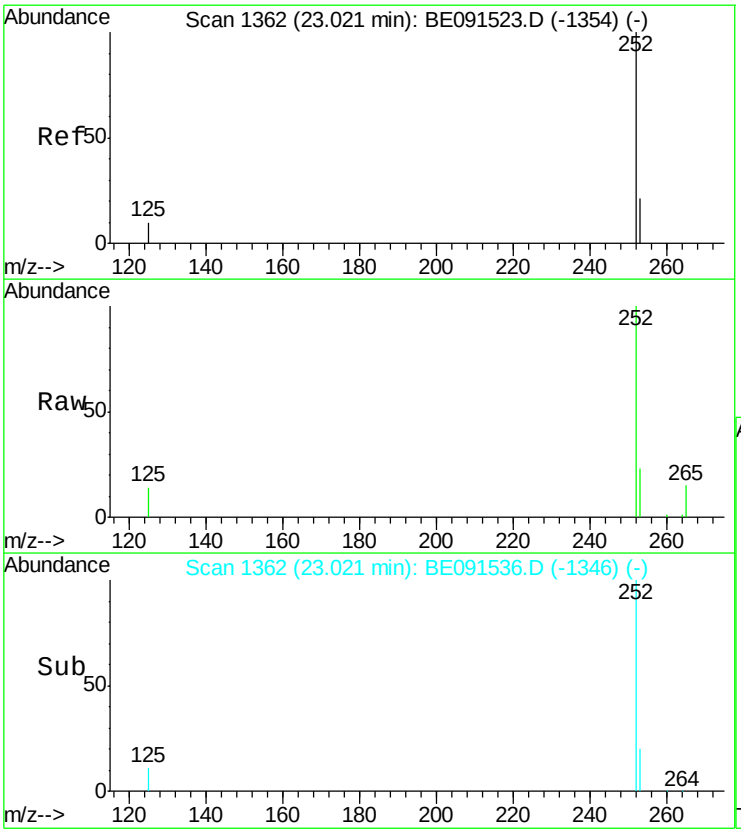
#28
Perylene-d12
Concen: 5.00 ng
RT: 23.78 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BE091536.D
Acq: 28 Mar 2016 12:52

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:264 Resp: 263526

Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.1	30.1
265	21.9	18.3	27.5

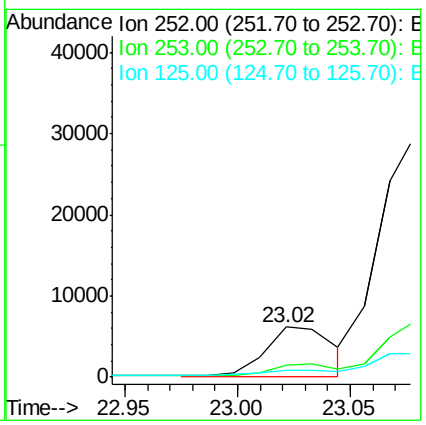


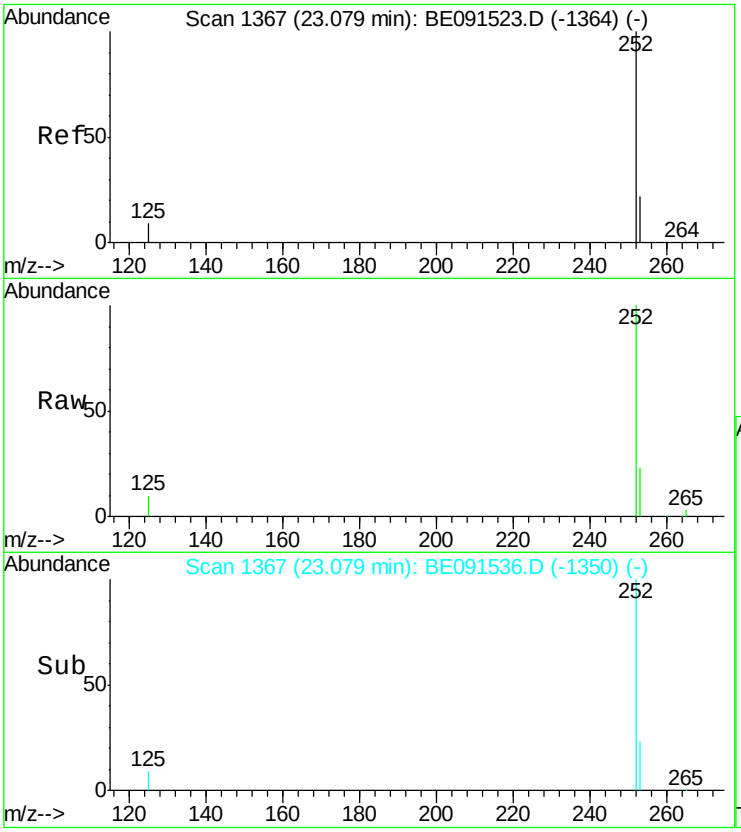


#29
Benzo(b)fluoranthene
Concen: 0.22 ng m
RT: 23.02 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BE091536.D
Acq: 28 Mar 2016 12:52

Tgt Ion:252 Resp: 13150

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.7	28.1
125	14.5	9.8	14.6



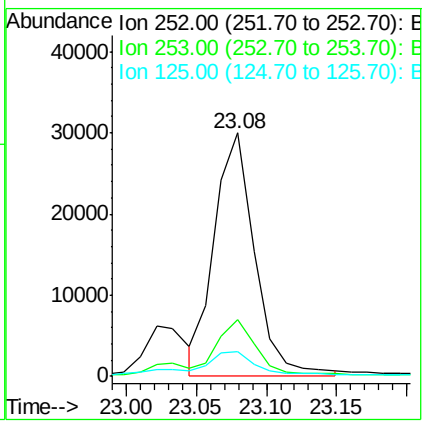


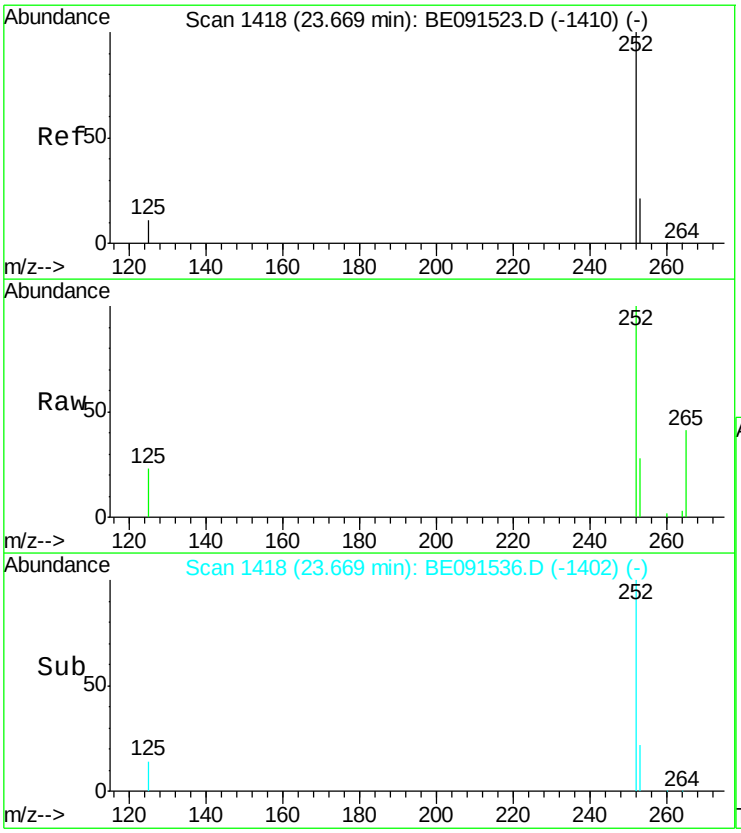
#30
Benzo(k)fluoranthene
Concen: 1.03 ng m
RT: 23.08 min Scan# 1367
Delta R.T. 0.00 min
Lab File: BE091536.D
Acq: 28 Mar 2016 12:52

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:252 Resp: 60245

Ion	Ratio	Lower	Upper
252	100		
253	23.1	20.2	30.4
125	9.9	9.4	14.2

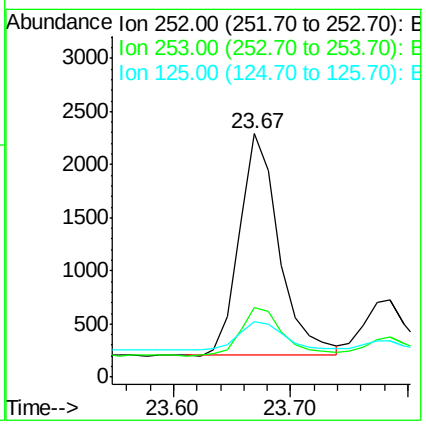


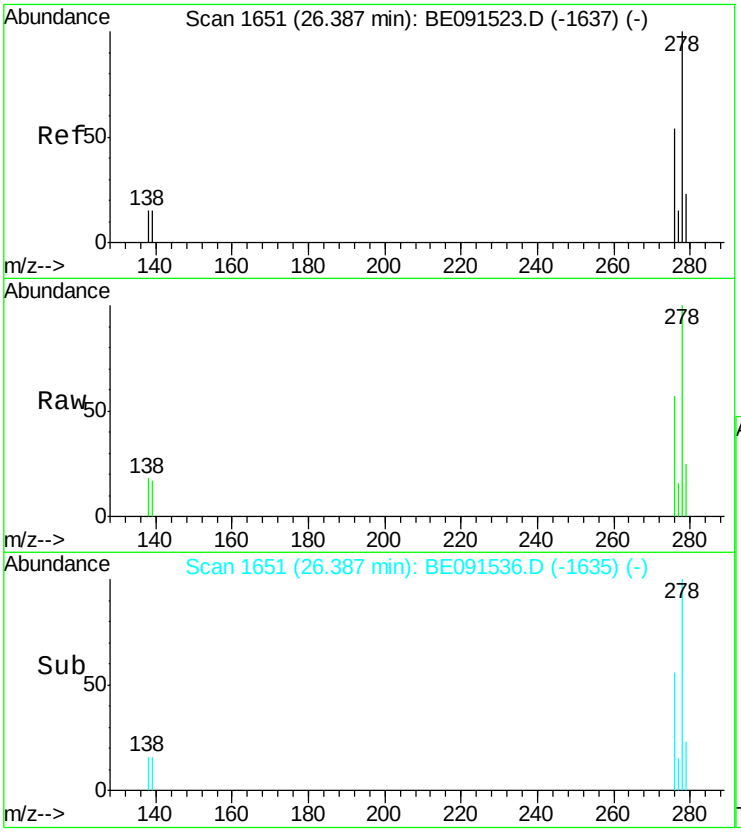


#31
Benzo(a)pyrene
Concen: 0.29 ng
RT: 23.67 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BE091536.D
Acq: 28 Mar 2016 12:52

Tgt Ion:252 Resp: 4947

Ion	Ratio	Lower	Upper
252	100		
253	28.5	19.4	29.0
125	22.8	11.4	17.2#



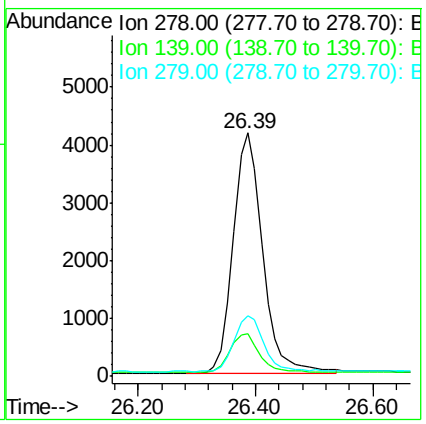


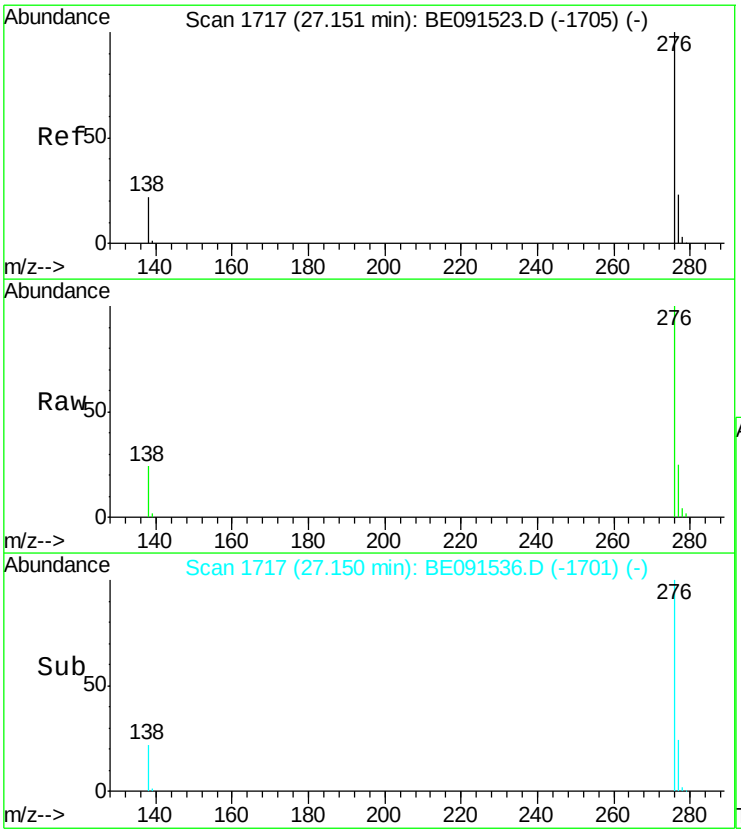
#32
Dibenzo(a,h)anthracene
Concen: 0.28 ng
RT: 26.39 min Scan# 1651
Delta R.T. -0.01 min
Lab File: BE091536.D
Acq: 28 Mar 2016 12:52

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:278 Resp: 14549

Ion	Ratio	Lower	Upper
278	100		
139	17.3	14.2	21.4
279	24.9	19.6	29.4





#33
Benzo(g,h,i)perylene
Concen: 0.34 ng
RT: 27.15 min Scan# 1717
Delta R.T. -0.01 min
Lab File: BE091536.D
Acq: 28 Mar 2016 12:52

Tgt Ion:276 Resp: 18557

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.4	29.2
138	23.5	18.2	27.4