Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE040216\
Data File : BE091595.D
Acq On : 1 Apr 2016 18:04
Operator : UM/SJ
Sample : PB89409BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB89409BSD

Quant Time: Apr 01 23:43:08 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE033016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 30 18:45:59 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	39855	5.00	ng		0.00
6) Naphthalene-d8	10.59	136	191709	5.00	ng		0.00
10) Acenaphthene-d10	14.42	164	118581	5.00	ng		-0.03
16) Phenanthrene-d10	17.16	188	288929	5.00	ng		-0.01
22) Chrysene-d12	21.31	240	375772	5.00	ng		-0.02
28) Perylene-d12	23.77	264	333801	5.00	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.41	112	61455	5.89	ng		-0.02
5) Phenol-d6	6.97	99	91487	6.48	ng		-0.02
7) Nitrobenzene-d5	8.96	82	41729	3.24	ng		-0.02
11) 2,4,6-Tribromophenol	15.91	330	31172	5.93	ng		-0.01
12) 2-Fluorobiphenyl	13.05	172	119805	3.55	ng		-0.02
24) Terphenyl-d14	19.78	244	191431	4.01	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.35	88	15353	3.25	ng		93
3) n-Nitrosodimethylamine	3.64	42	23906	3.30	ng		94
8) Naphthalene	10.63	128	137017	3.46	ng		97
9) 2-Methylnaphthalene	12.25	142	100191	3.87	ng		95
13) Acenaphthylene	14.14	152	183673	3.84	ng		99
14) Acenaphthene	14.49	154	116752	3.98	ng		95
15) Fluorene	15.47	166	144339	3.83	ng		100
17) Hexachlorobenzene	16.46	284	41493	3.90	ng		98
18) Pentachlorophenol	16.81	266	48744	8.16	ng	#	84
19) Phenanthrene	17.20	178	262012	3.87	ng		99
20) Anthracene	17.29	178	250484	4.01	ng		100
21) Fluoranthene	19.20	202	319069	4.00	ng		100
23) Pyrene	19.57	202	341132	4.45	ng		99
25) Benzo(a)anthracene	21.29	228	419236	4.75	ng		97
26) Chrysene	21.29	228	419166	5.55	ng	#	84
27) Indeno(1,2,3-cd)pyrene	26.33	276	352117	4.05	ng		99
29) Benzo(b)fluoranthene	23.01	252	321435	3.97	ng		95
30) Benzo(k)fluoranthene	23.06	252	327074	4.17	ng		93
31) Benzo(a)pyrene	23.65	252	306411	4.14	ng		93
32) Dibenzo(a,h)anthracene	26.36	278	298223	4.11	ng		97
33) Benzo(g,h,i)perylene	27.13	276	301088	4.06	ng		99

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

Quantitation Report (Not Reviewed)

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Acq On : 1 Apr 2016 18:04
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Sample : PB89409BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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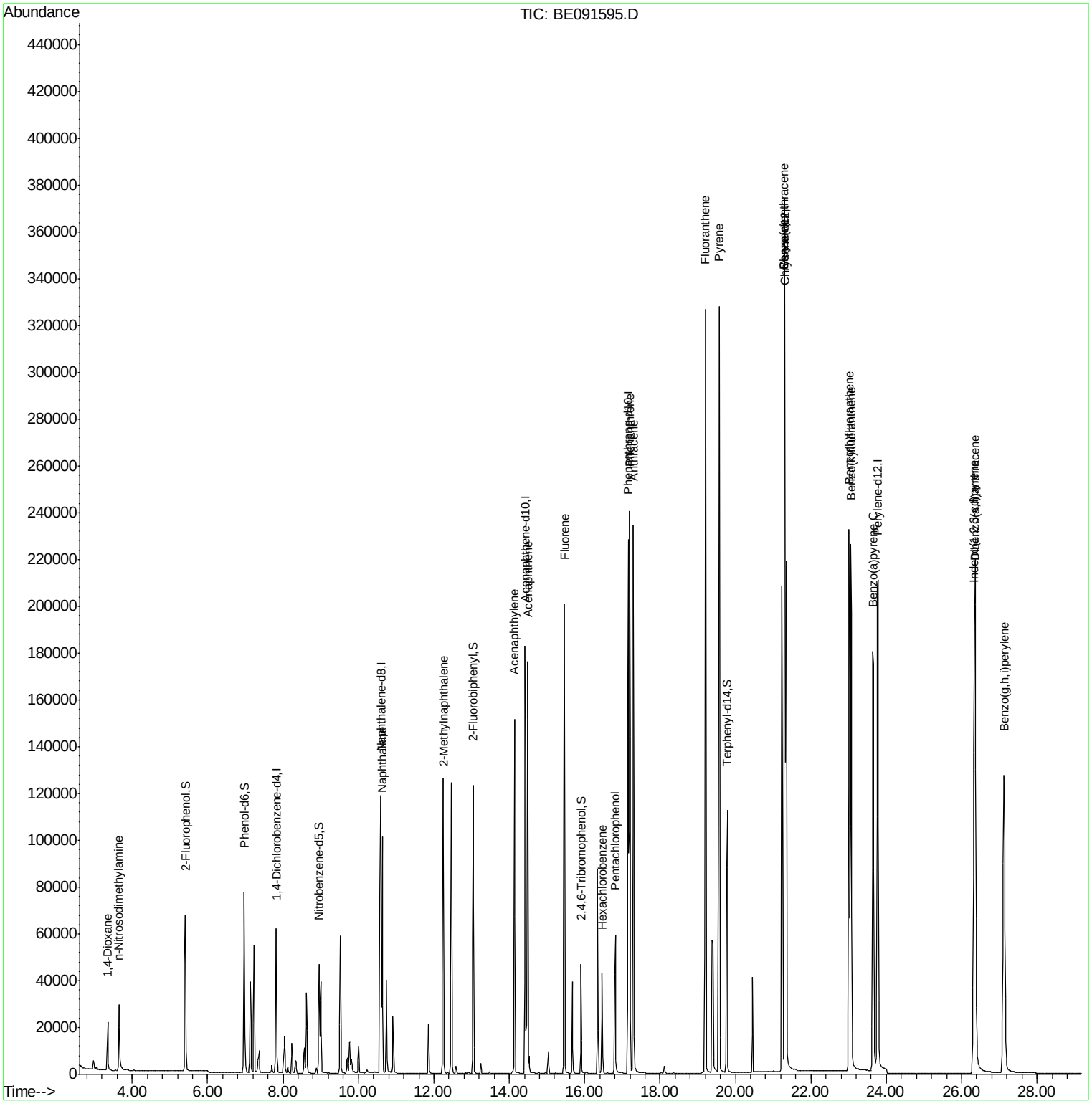
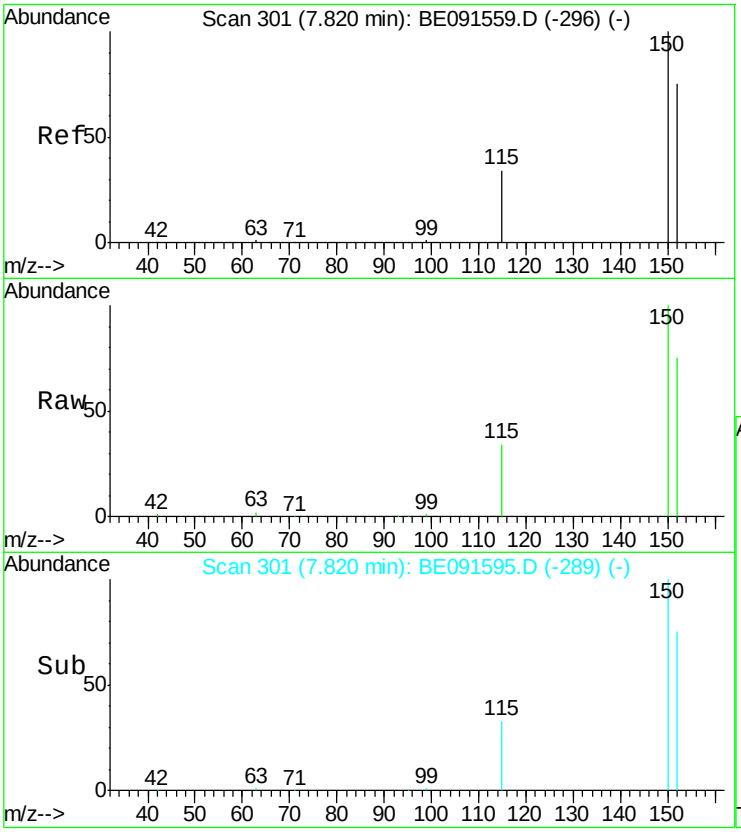


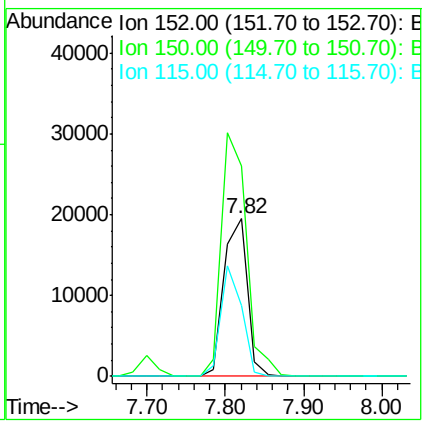


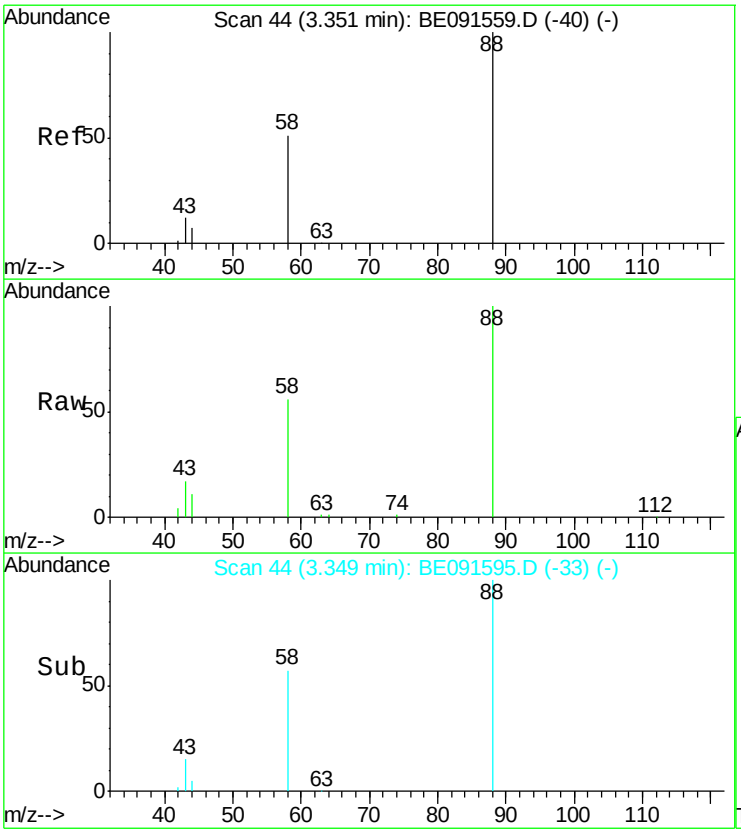
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.82 min Scan# 301
Delta R.T. 0.00 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Instrument :
BNA_E
ClientSampleId :
PB89409BSD

Tgt Ion:152 Resp: 39855

Ion	Ratio	Lower	Upper
152	100		
150	133.2	122.2	183.2
115	44.9	45.9	68.9#

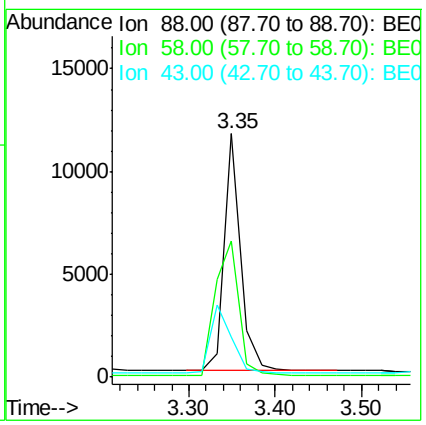


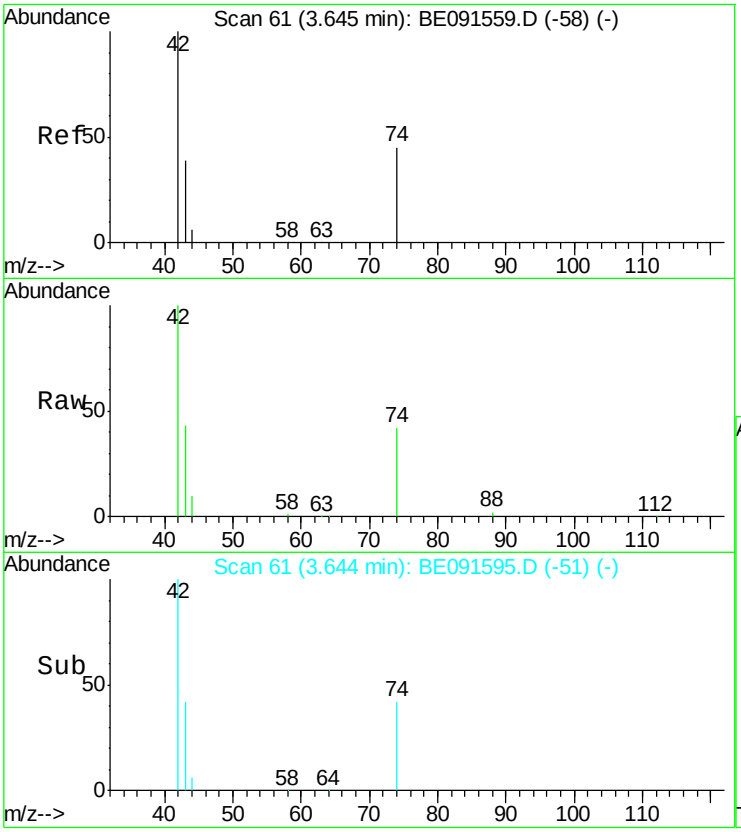


#2
1,4-Dioxane
Concen: 3.25 ng
RT: 3.35 min Scan# 44
Delta R.T. -0.02 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Tgt Ion: 88 Resp: 15353

Ion	Ratio	Lower	Upper
88	100		
58	81.8	61.0	91.6
43	36.3	25.4	38.2



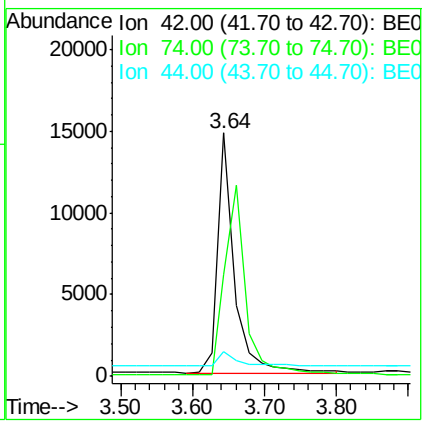


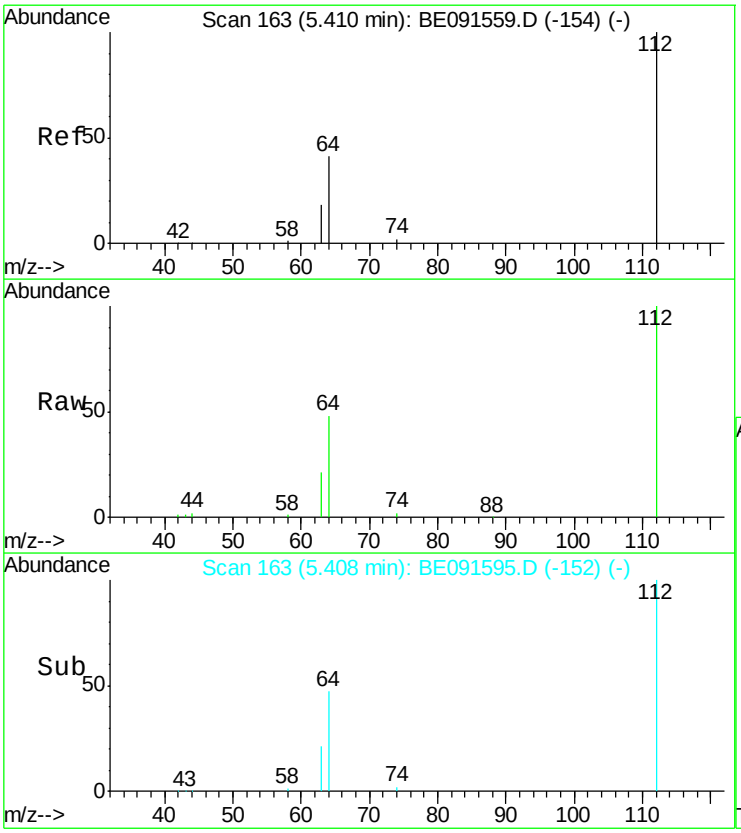
#3
n-Nitrosodimethylamine
Concen: 3.30 ng
RT: 3.64 min Scan# 61
Delta R.T. -0.03 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Instrument :
BNA_E
ClientSampleId :
PB89409BSD

Tgt Ion: 42 Resp: 23906

Ion	Ratio	Lower	Upper
42	100		
74	99.5	84.3	126.5
44	6.8	6.7	10.1

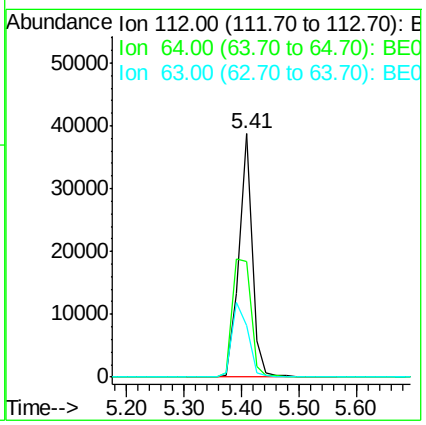


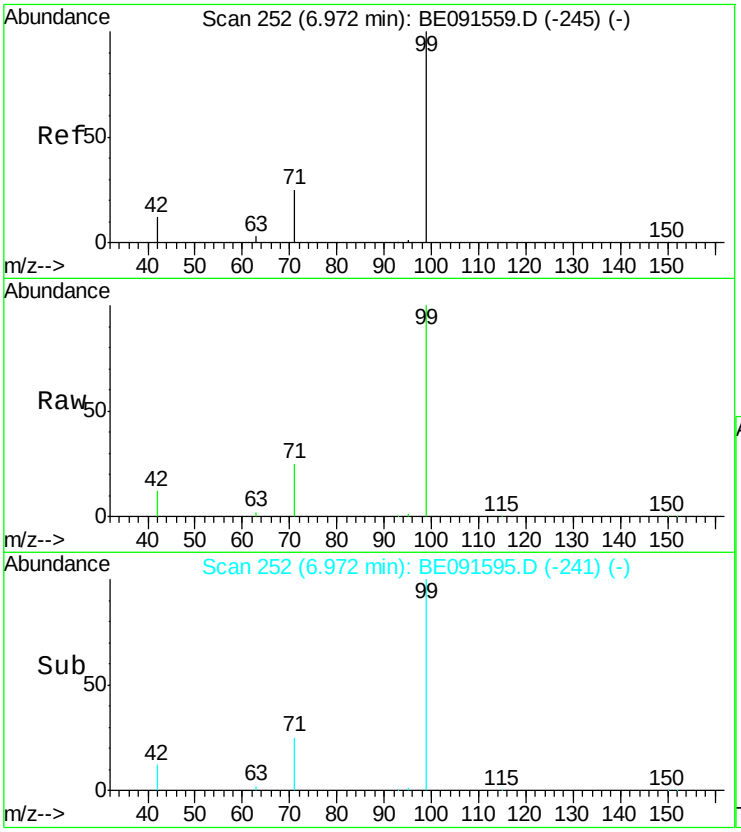


#4
2-Fluorophenol
Concen: 5.89 ng
RT: 5.41 min Scan# 163
Delta R.T. -0.02 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Tgt Ion:112 Resp: 61455

Ion	Ratio	Lower	Upper
112	100		
64	67.5	53.3	79.9
63	36.3	29.8	44.8



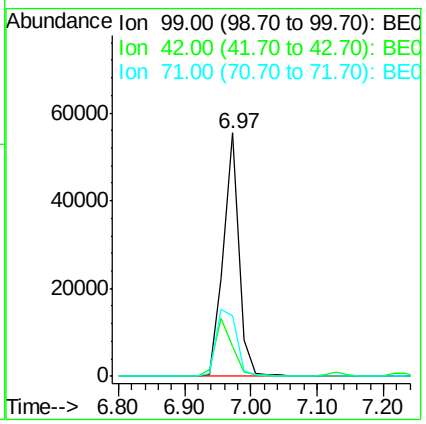


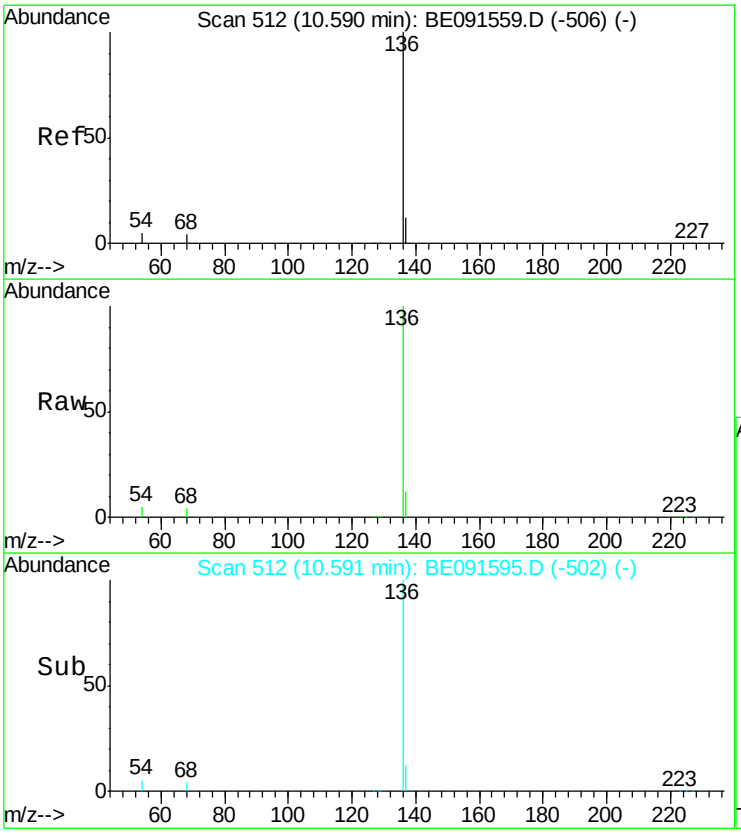
#5
Phenol-d6
Concen: 6.48 ng
RT: 6.97 min Scan# 252
Delta R.T. -0.02 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Instrument :
BNA_E
ClientSampleId :
PB89409BSD

Tgt Ion: 99 Resp: 91487

Ion	Ratio	Lower	Upper
99	100		
42	25.4	20.6	30.8
71	35.7	29.0	43.4

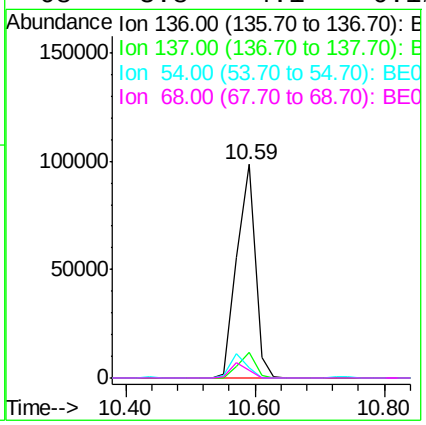


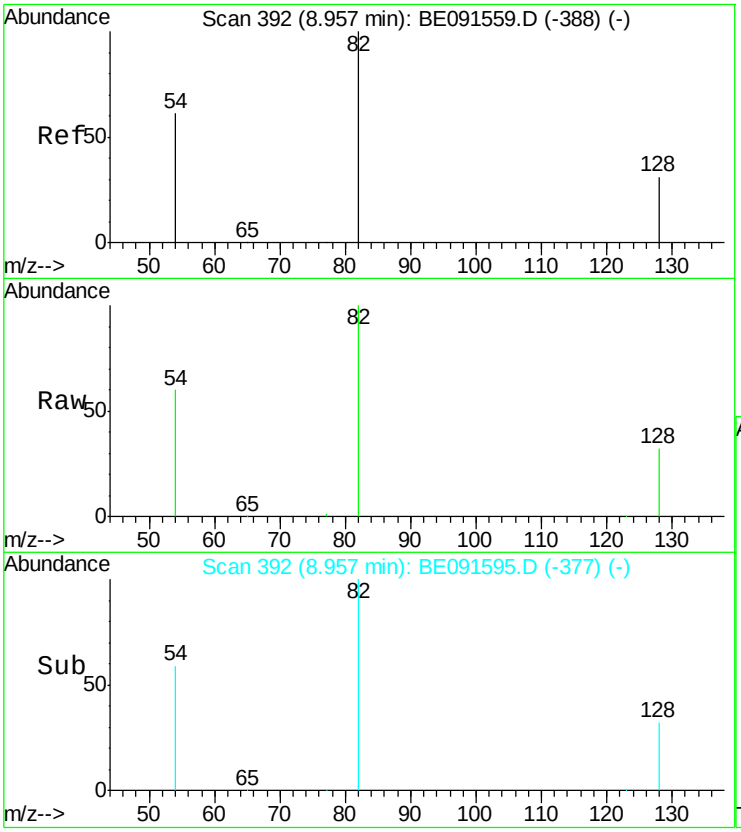


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.59 min Scan# 512
Delta R.T. -0.00 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Tgt Ion:136 Resp: 191709

Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.8	13.2
54	4.6	5.2	7.8#
68	3.8	4.1	6.1#



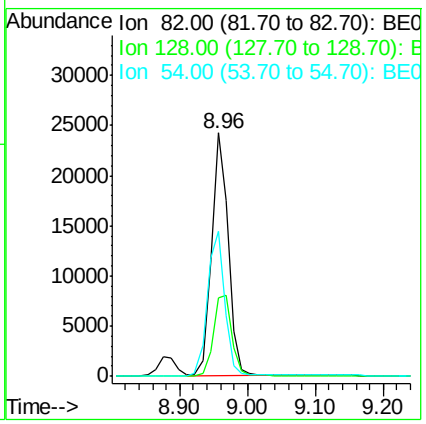


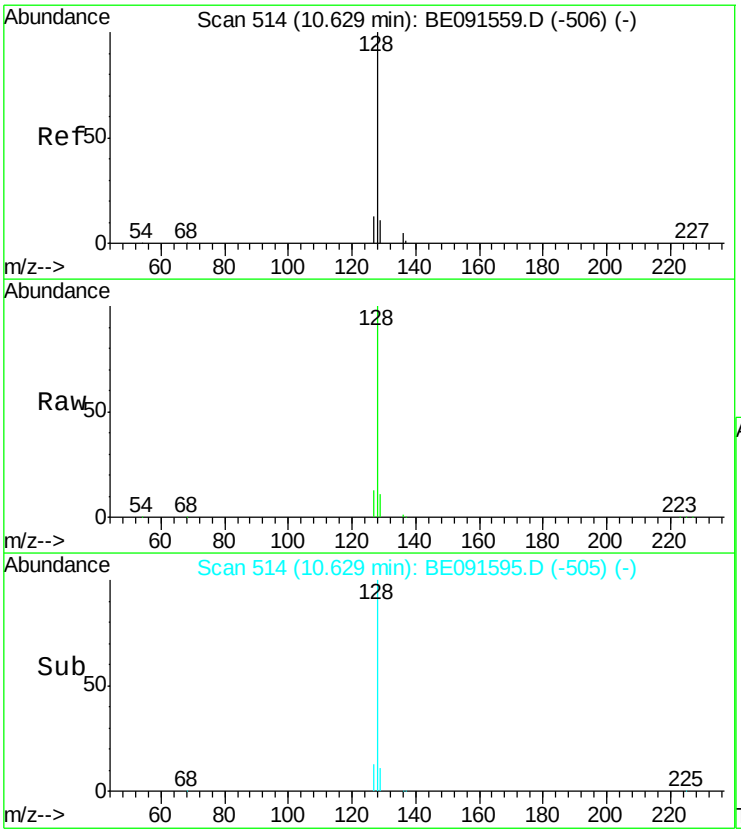
#7
Nitrobenzene-d5
Concen: 3.24 ng
RT: 8.96 min Scan# 392
Delta R.T. -0.02 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Instrument :
BNA_E
ClientSampleId :
PB89409BSD

Tgt Ion: 82 Resp: 41729

Ion	Ratio	Lower	Upper
82	100		
128	32.1	23.5	35.3
54	59.6	52.4	78.6

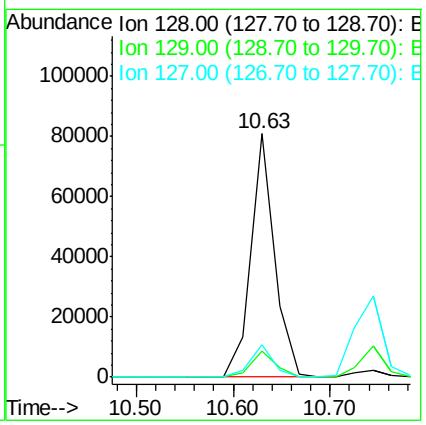


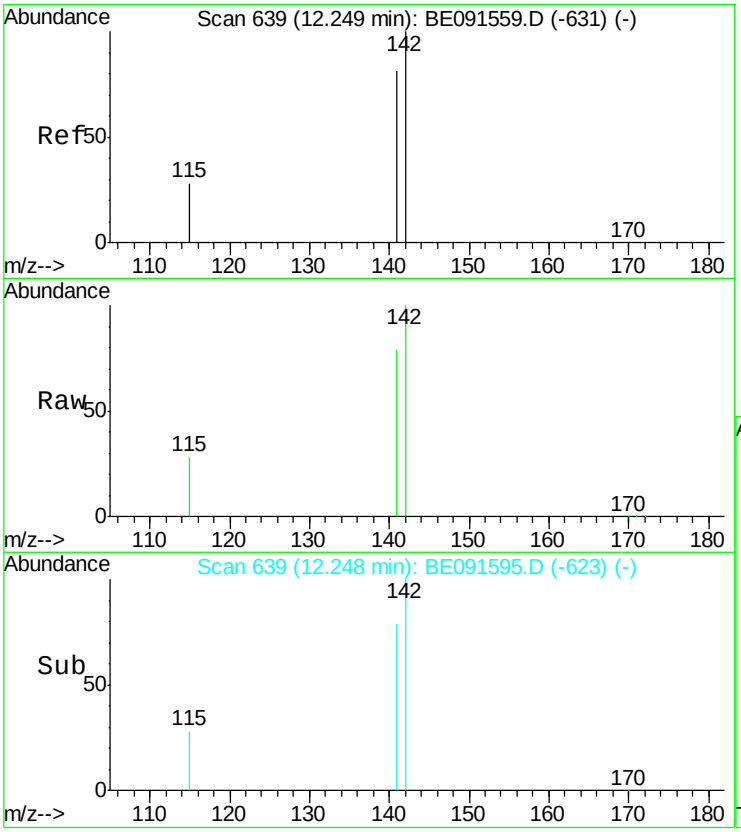


#8
Naphthalene
Concen: 3.46 ng
RT: 10.63 min Scan# 514
Delta R.T. -0.02 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Tgt Ion:128 Resp: 137017

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.2	12.2
127	13.1	11.8	17.8



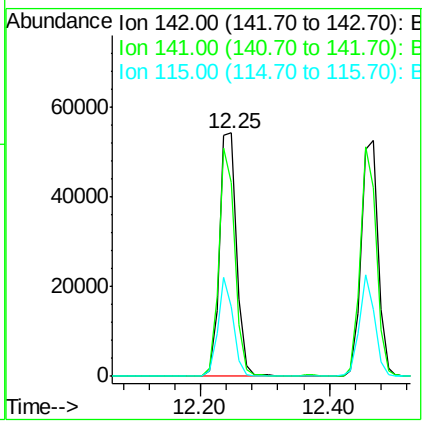


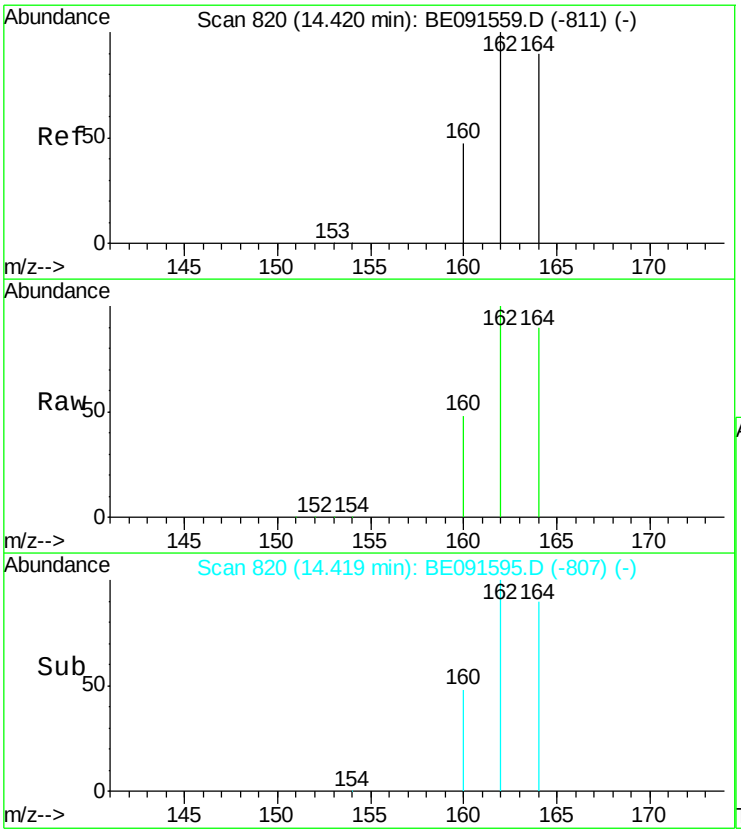
#9
2-Methylnaphthalene
Concen: 3.87 ng
RT: 12.25 min Scan# 639
Delta R.T. -0.01 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Instrument :
BNA_E
ClientSampleId :
PB89409BSD

Tgt Ion:142 Resp: 100191

Ion	Ratio	Lower	Upper
142	100		
141	79.4	66.9	100.3
115	28.3	25.1	37.7

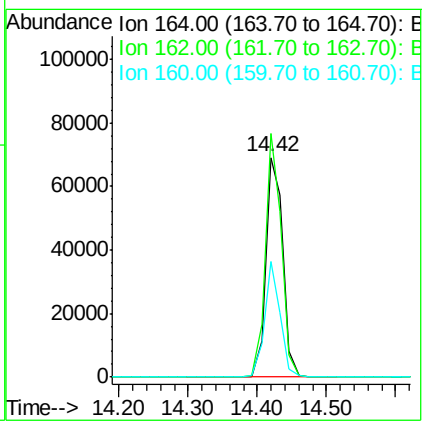


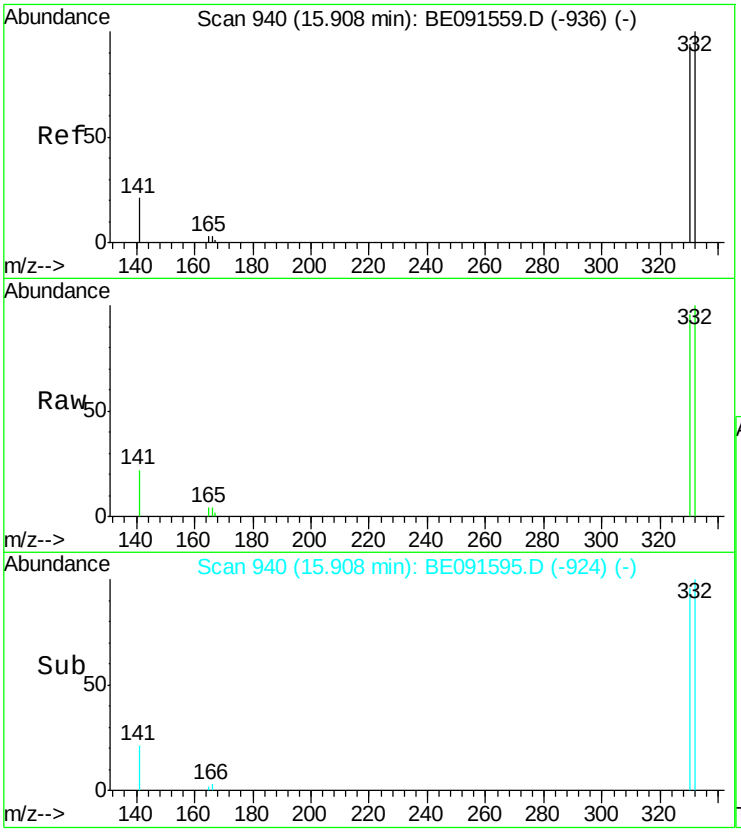


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.42 min Scan# 820
Delta R.T. -0.03 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Tgt Ion:164 Resp: 118581

Ion	Ratio	Lower	Upper
164	100		
162	110.8	84.4	126.6
160	52.9	37.7	56.5



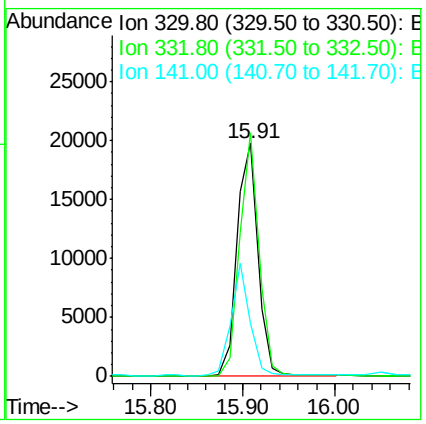


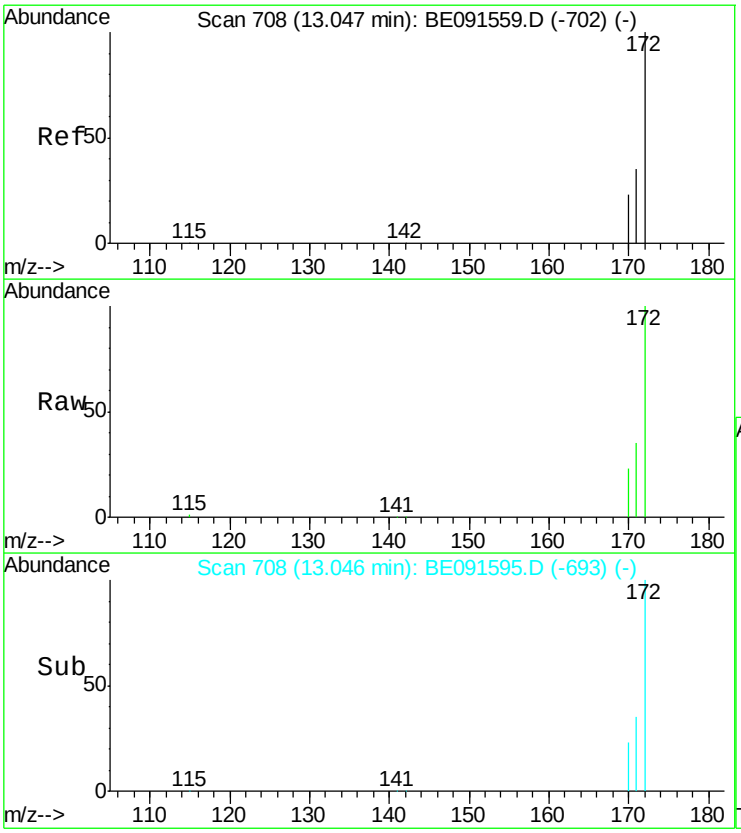
#11
2,4,6-Tribromophenol
Concen: 5.93 ng
RT: 15.91 min Scan# 940
Delta R.T. -0.01 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Instrument :
BNA_E
ClientSampleId :
PB89409BSD

Tgt Ion:330 Resp: 31172

Ion	Ratio	Lower	Upper
330	100		
332	96.3	79.2	118.8
141	43.5	28.1	42.1#

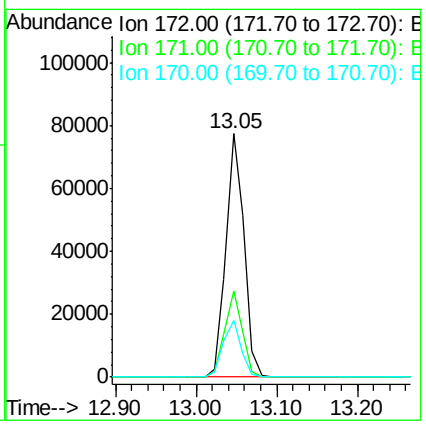


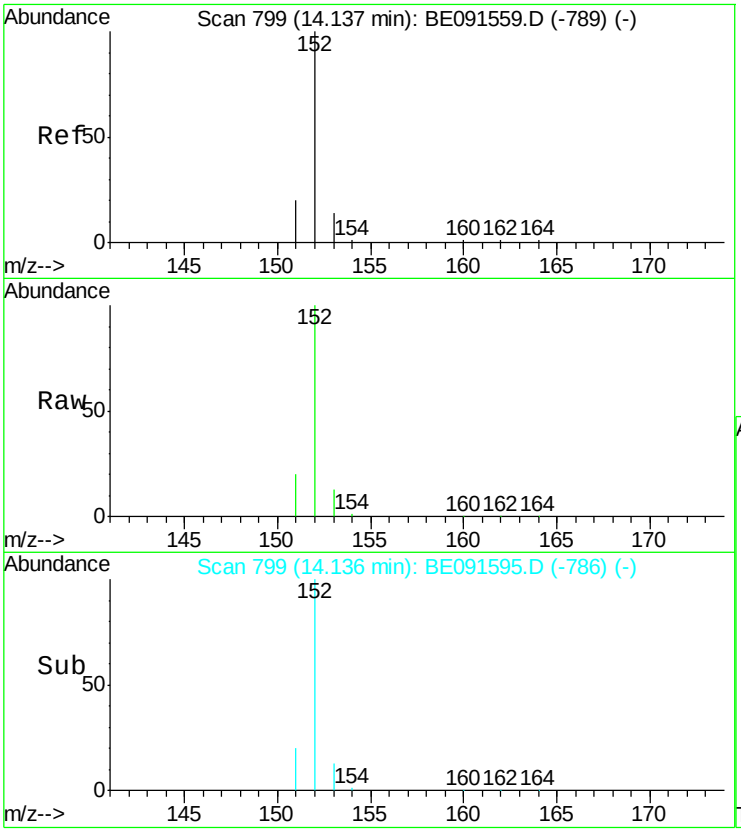


#12
2-Fluorobiphenyl
Concen: 3.55 ng
RT: 13.05 min Scan# 708
Delta R.T. -0.02 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Tgt Ion:172 Resp: 119805

Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.8	44.8
170	23.5	21.4	32.2



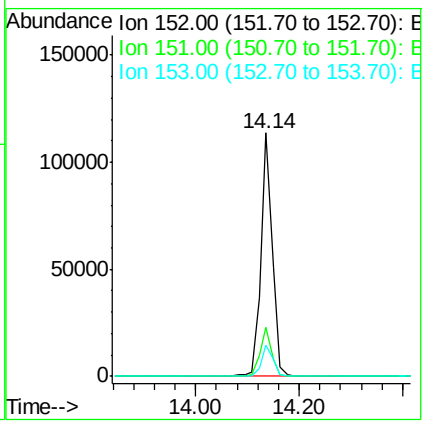


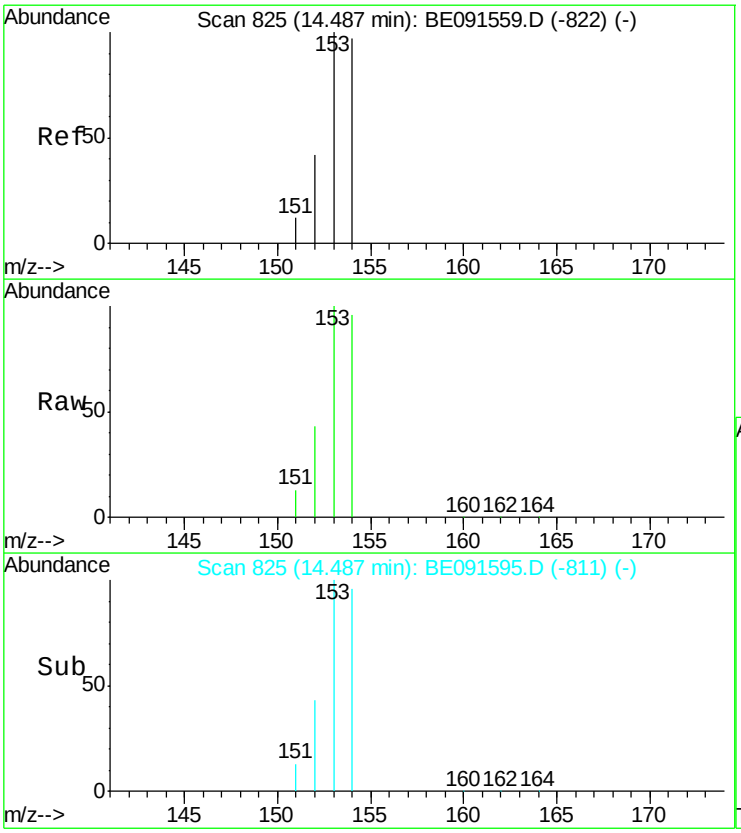
#13
Acenaphthylene
Concen: 3.84 ng
RT: 14.14 min Scan# 799
Delta R.T. -0.01 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Instrument :
BNA_E
ClientSampleId :
PB89409BSD

Tgt Ion:152 Resp: 183673

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	13.6	11.1	16.7

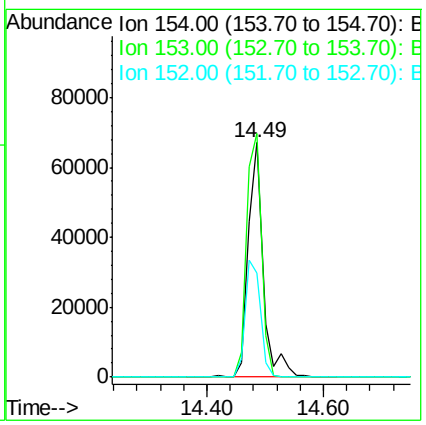


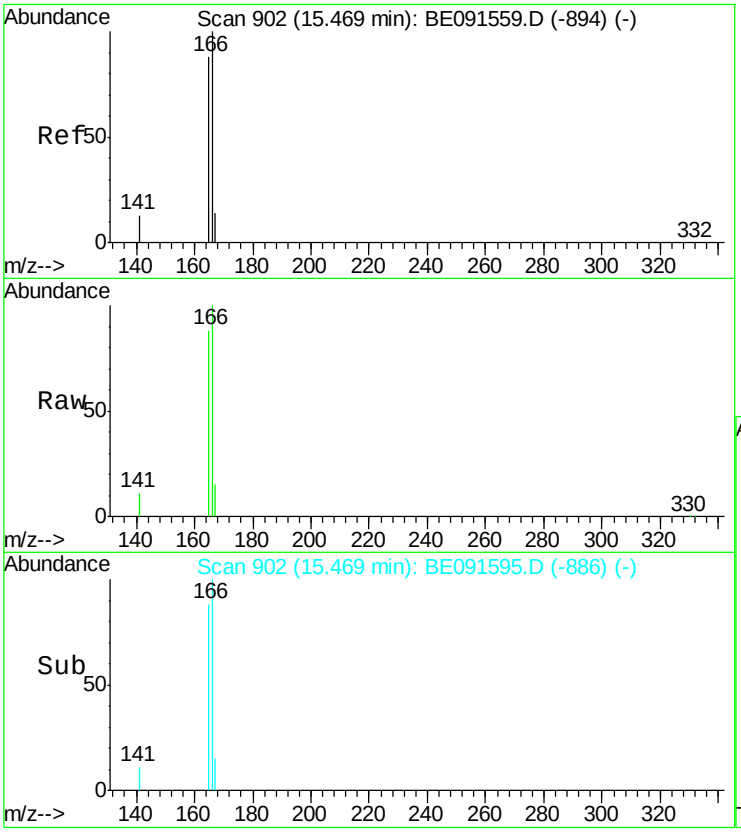


#14
Acenaphthene
Concen: 3.98 ng
RT: 14.49 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Tgt Ion:154 Resp: 116752

Ion	Ratio	Lower	Upper
154	100		
153	103.5	87.3	130.9
152	50.5	42.9	64.3



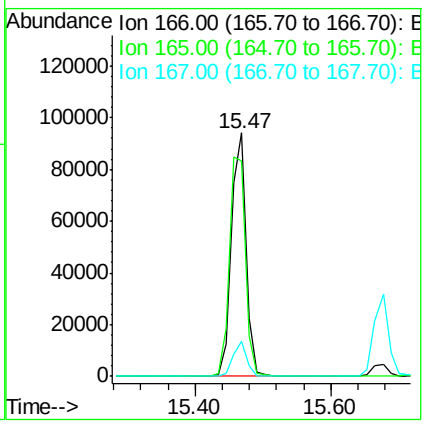


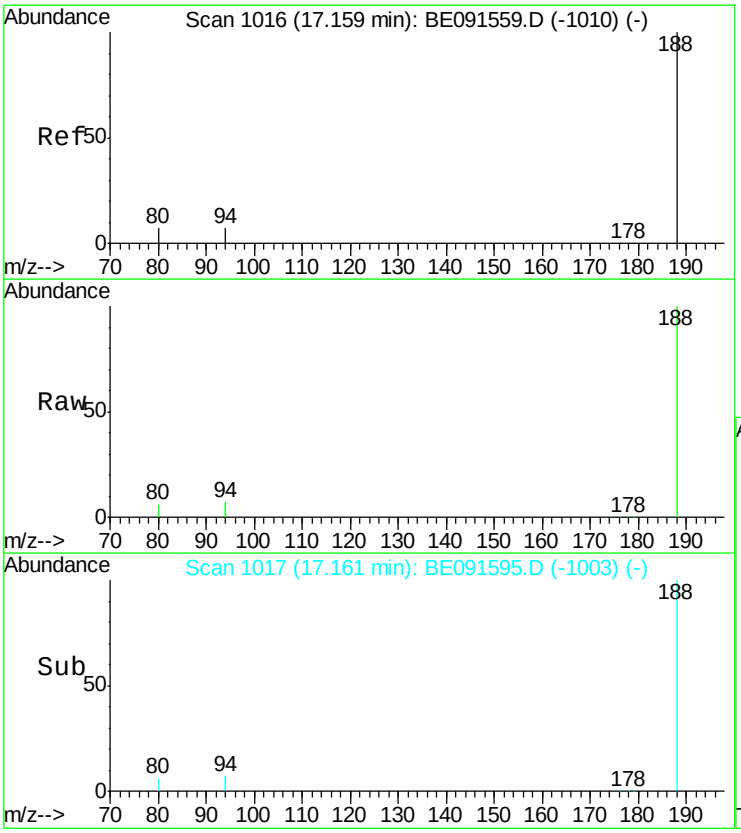
#15
Fluorene
Concen: 3.83 ng
RT: 15.47 min Scan# 902
Delta R.T. -0.01 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Instrument :
BNA_E
ClientSampleId :
PB89409BSD

Tgt Ion:166 Resp: 144339

Ion	Ratio	Lower	Upper
166	100		
165	98.9	79.2	118.8
167	13.5	10.8	16.2

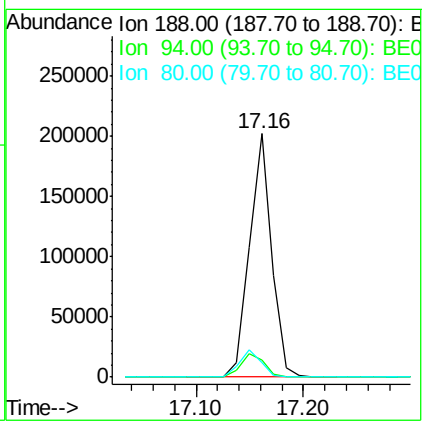


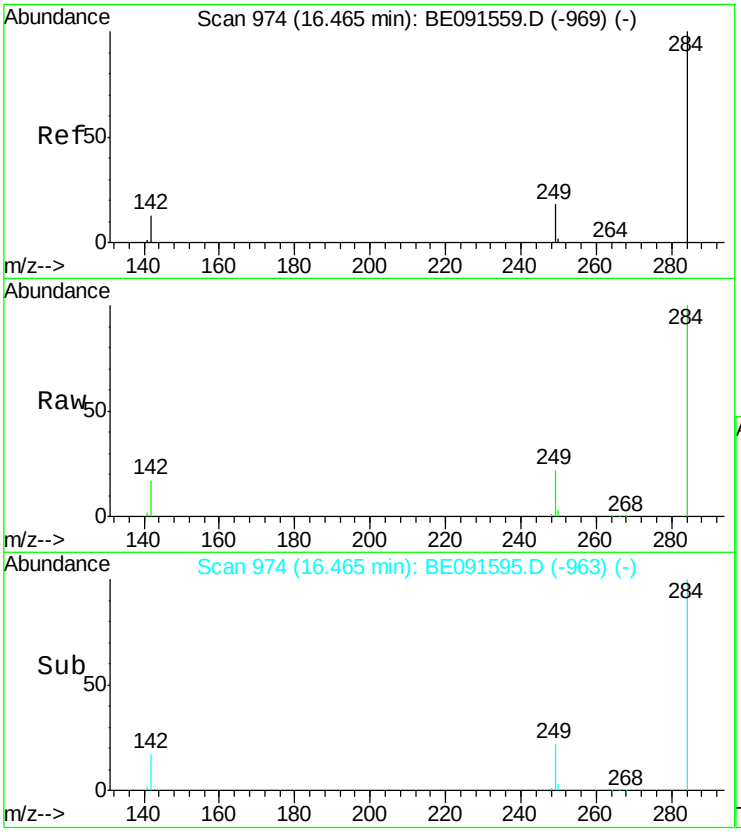


#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.16 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Tgt Ion:188 Resp: 288929

Ion	Ratio	Lower	Upper
188	100		
94	6.8	5.4	8.2
80	6.1	5.0	7.4



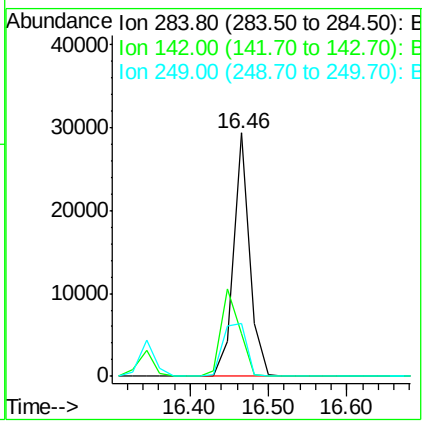


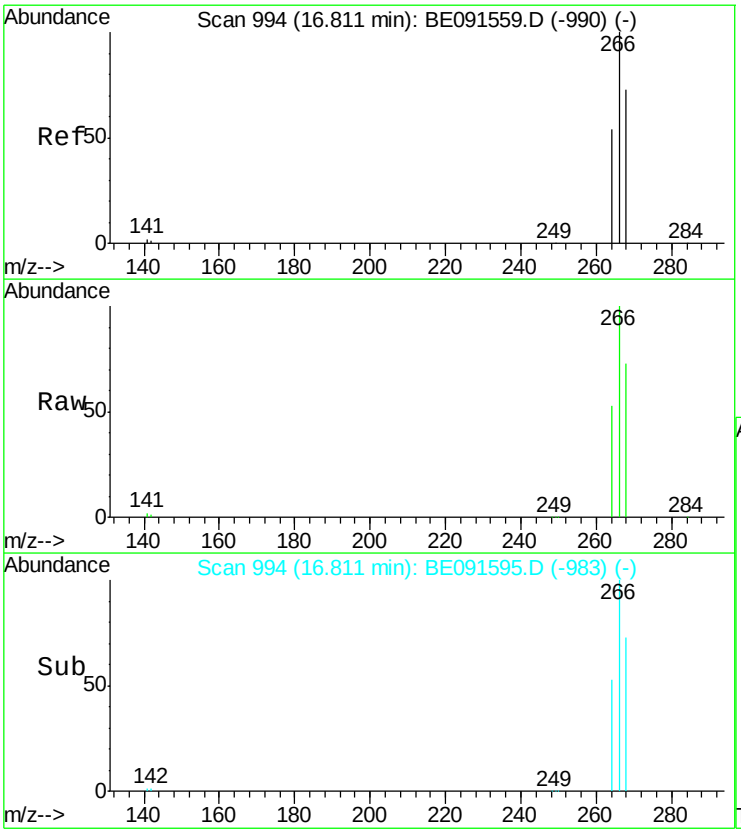
#17
Hexachlorobenzene
Concen: 3.90 ng
RT: 16.46 min Scan# 974
Delta R.T. -0.02 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Instrument :
BNA_E
ClientSampleId :
PB89409BSD

Tgt Ion:284 Resp: 41493

Ion	Ratio	Lower	Upper
284	100		
142	40.6	31.0	46.4
249	32.2	25.8	38.8

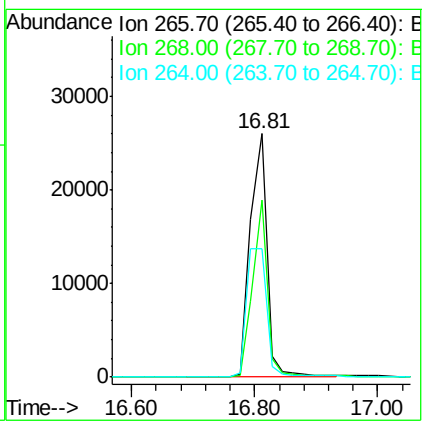


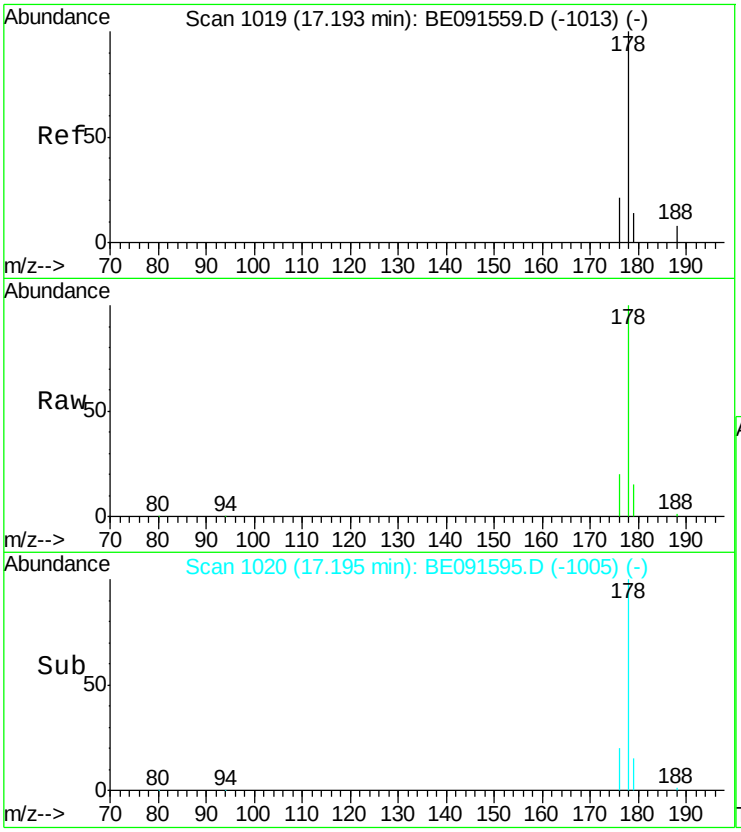


#18
Pentachlorophenol
Concen: 8.16 ng
RT: 16.81 min Scan# 994
Delta R.T. -0.02 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Tgt Ion:266 Resp: 48744

Ion	Ratio	Lower	Upper
266	100		
268	72.7	48.2	72.2#
264	52.9	52.1	78.1



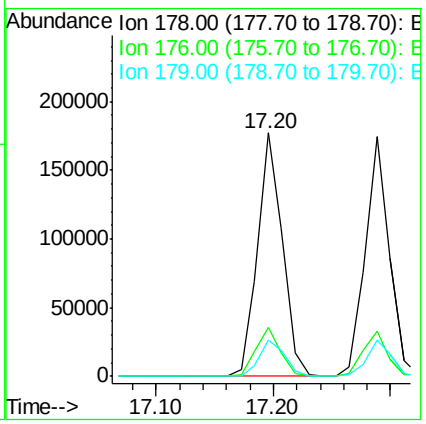


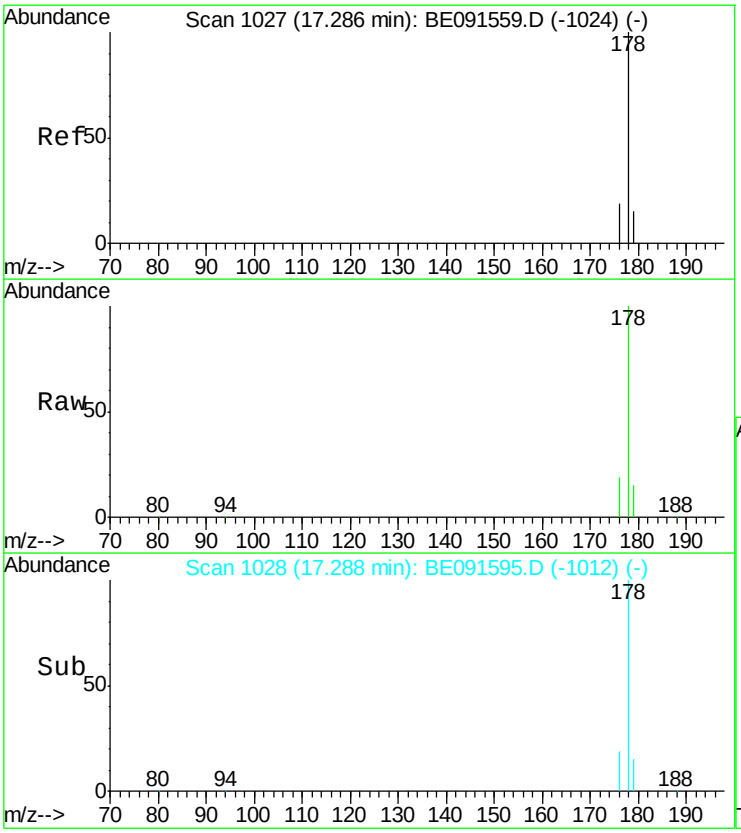
#19
Phenanthrene
Concen: 3.87 ng
RT: 17.20 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Instrument :
BNA_E
ClientSampleId :
PB89409BSD

Tgt Ion:178 Resp: 262012

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	15.4	13.1	19.7

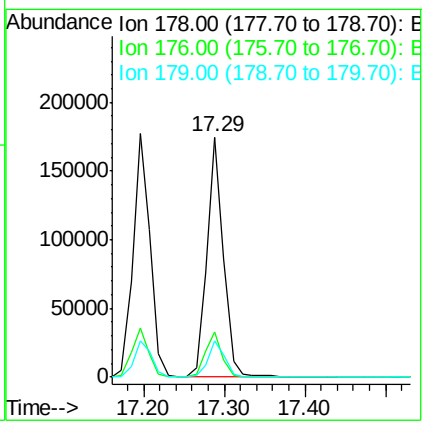


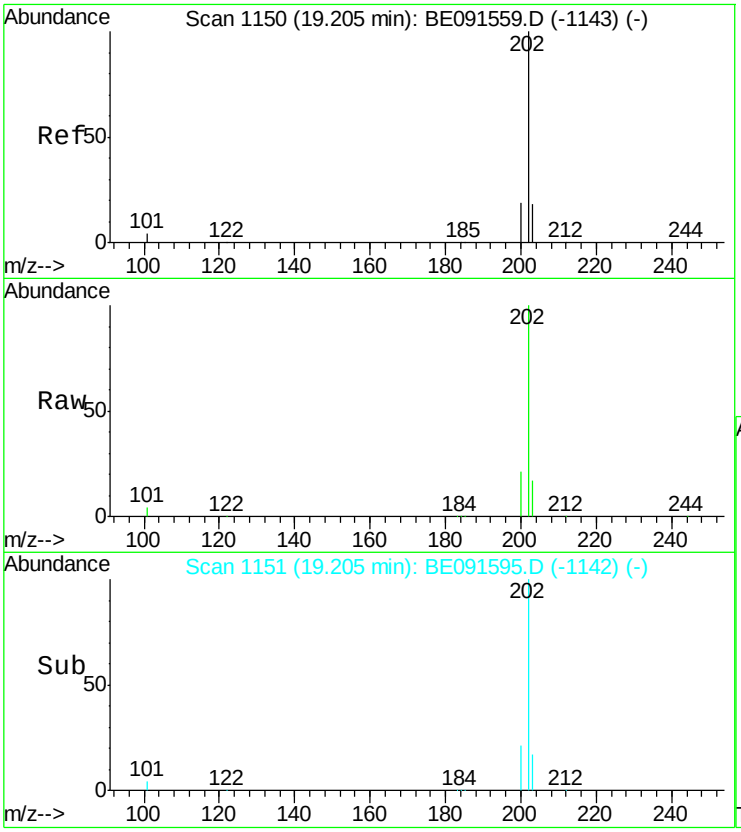


#20
Anthracene
Concen: 4.01 ng
RT: 17.29 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Tgt Ion:178 Resp: 250484

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.9	22.3
179	15.3	12.2	18.4



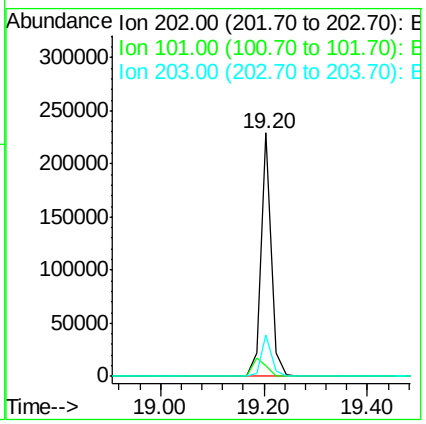


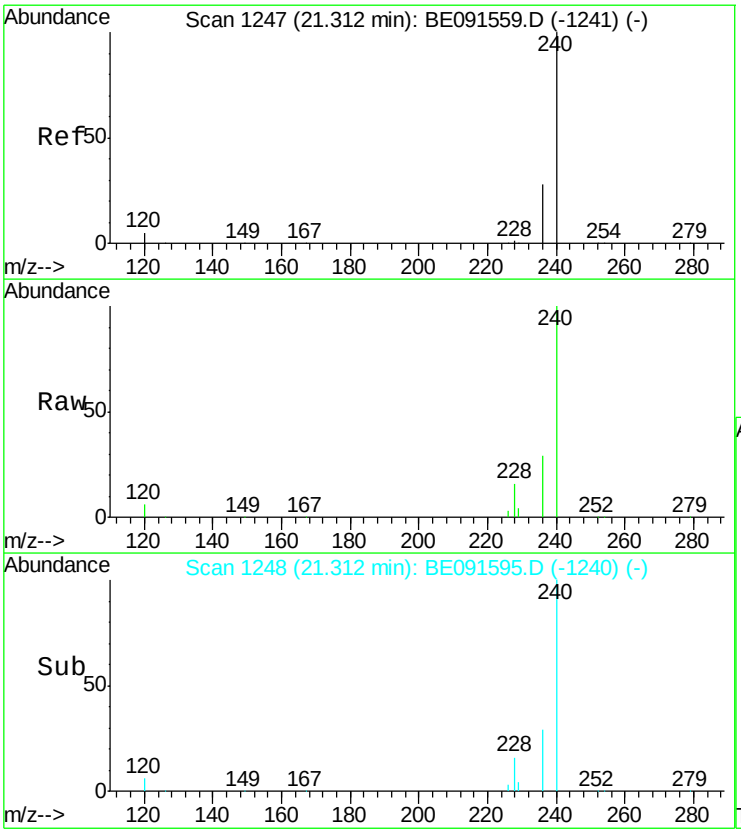
#21
Fluoranthene
Concen: 4.00 ng
RT: 19.20 min Scan# 1151
Delta R.T. -0.02 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Instrument :
BNA_E
ClientSampleId :
PB89409BSD

Tgt Ion:202 Resp: 319069

Ion	Ratio	Lower	Upper
202	100		
101	10.3	8.3	12.5
203	17.4	13.9	20.9

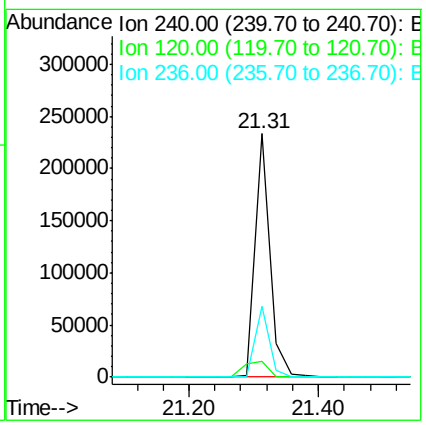


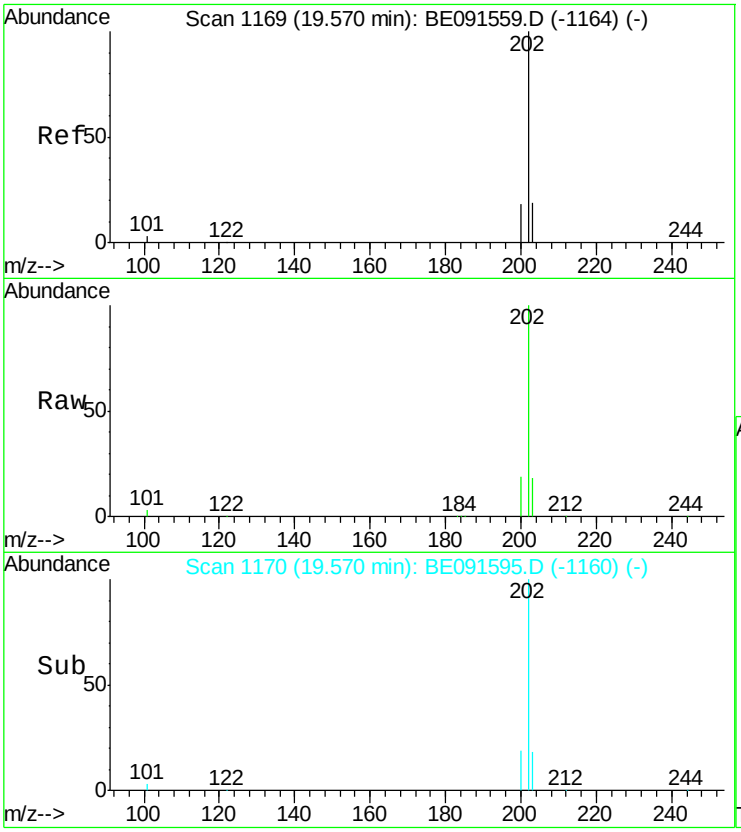


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Tgt Ion:240 Resp: 375772

Ion	Ratio	Lower	Upper
240	100		
120	6.4	4.0	6.0#
236	29.2	23.0	34.4



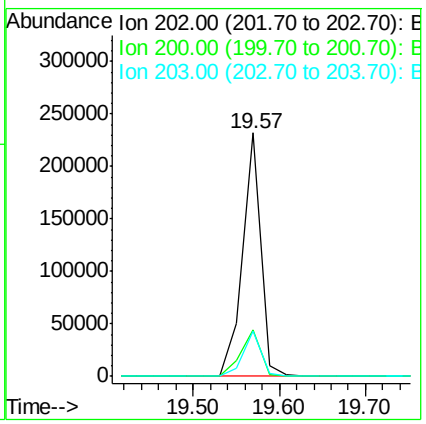


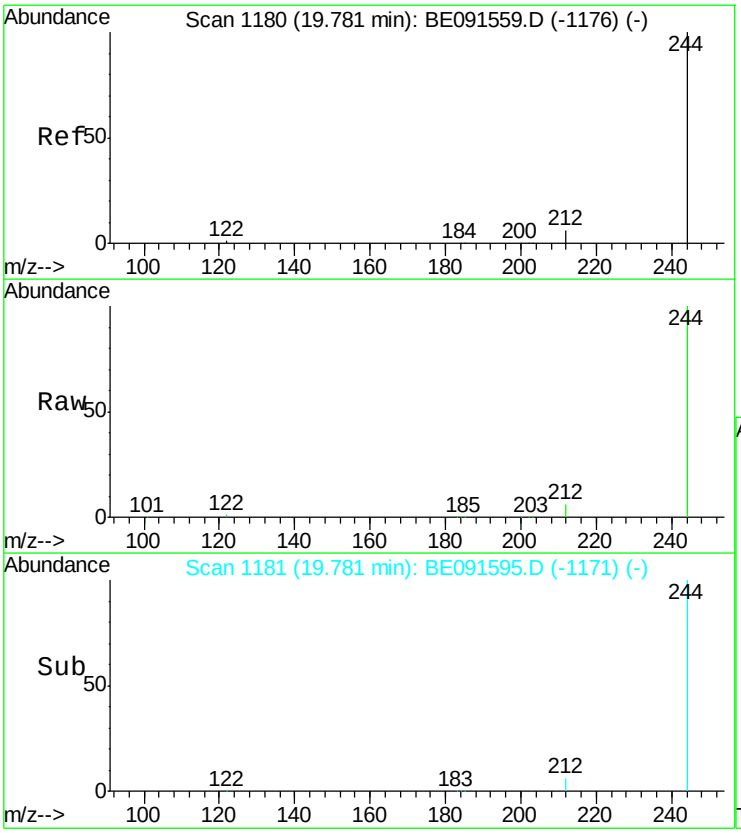
#23
Pyrene
Concen: 4.45 ng
RT: 19.57 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Instrument :
BNA_E
ClientSampleId :
PB89409BSD

Tgt Ion:202 Resp: 341132

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.4	24.6
203	18.1	14.6	21.8

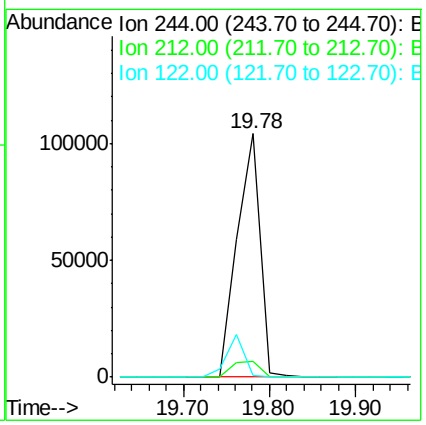


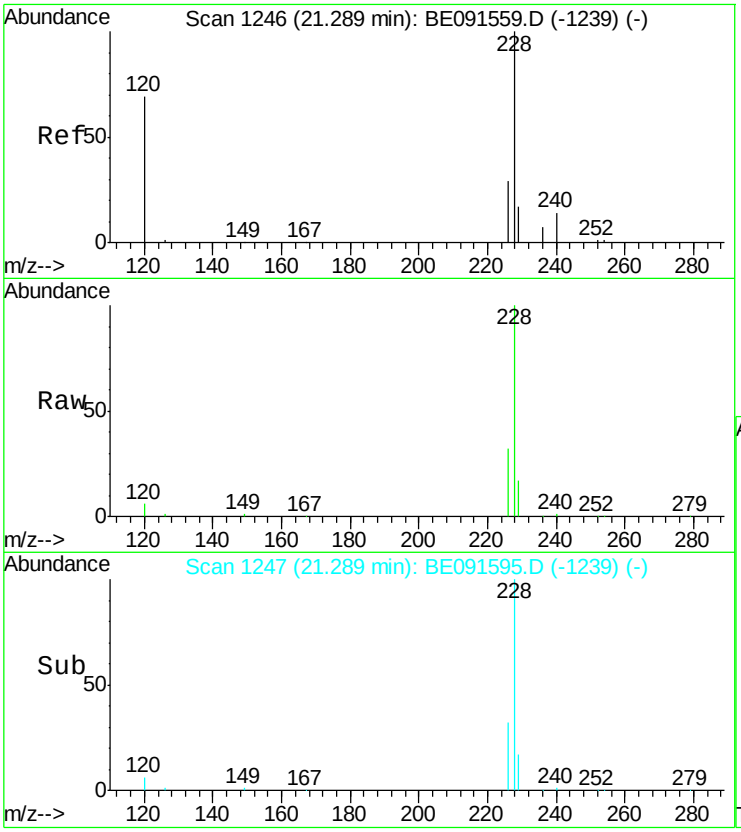


#24
Terphenyl-d14
Concen: 4.01 ng
RT: 19.78 min Scan# 1181
Delta R.T. -0.00 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Tgt Ion:244 Resp: 191431

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.8	8.8
122	0.6	1.8	2.8#



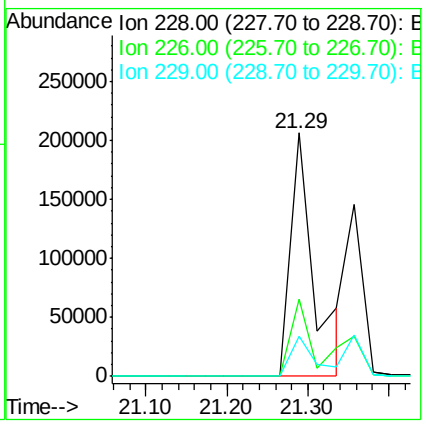


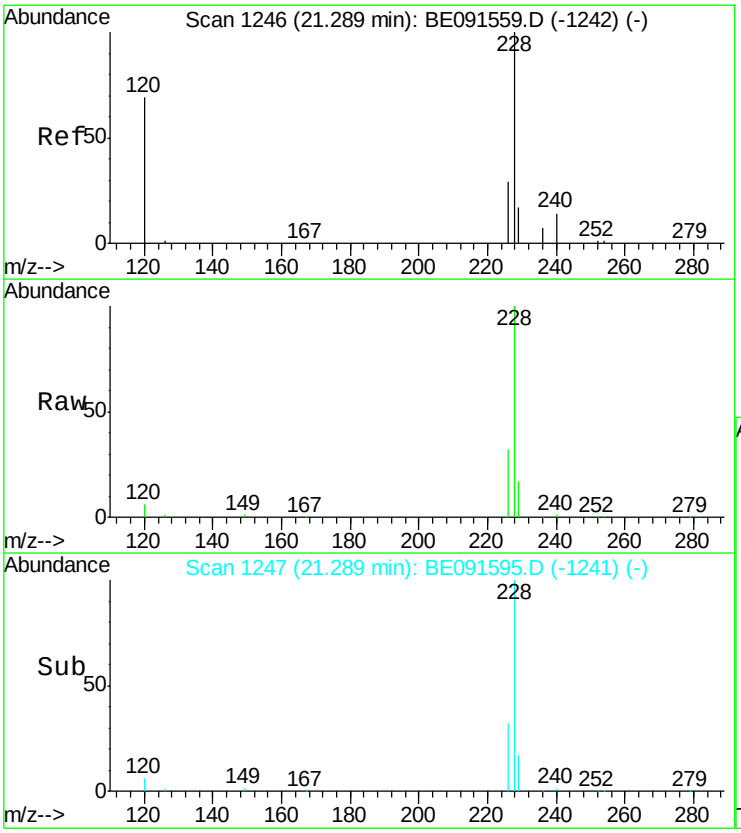
#25
Benzo(a)anthracene
Concen: 4.75 ng
RT: 21.29 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Instrument :
BNA_E
ClientSampleId :
PB89409BSD

Tgt Ion:228 Resp: 419236

Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.0	36.0
229	16.6	13.8	20.6

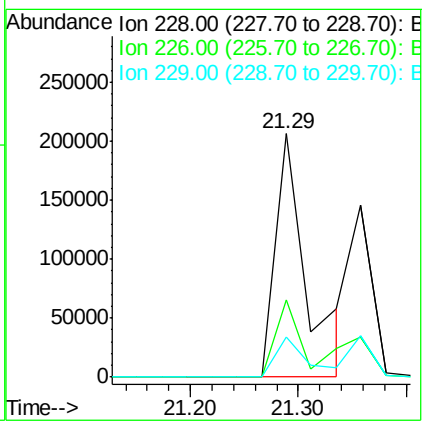


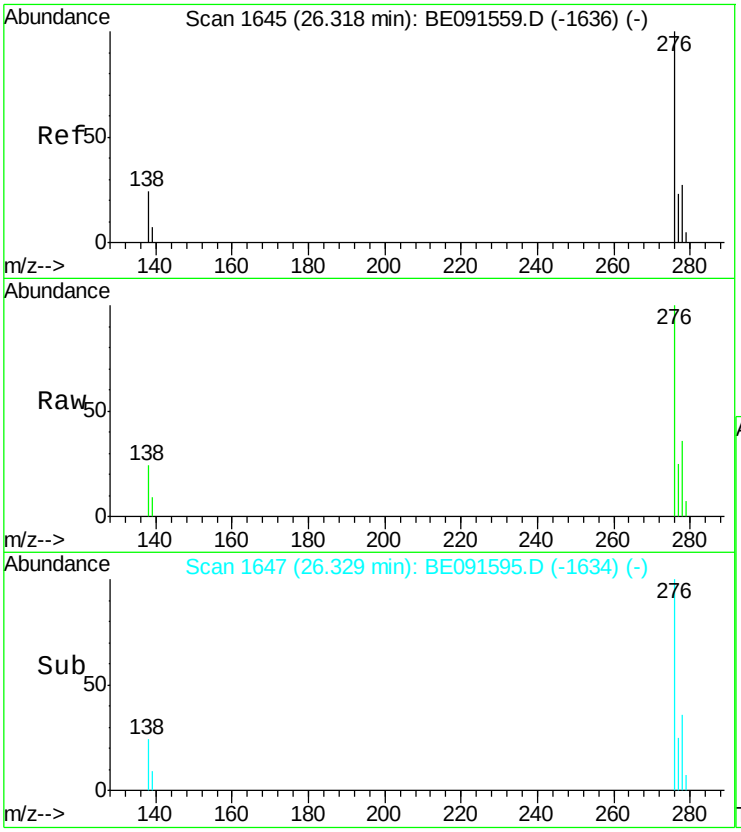


#26
Chrysene
Concen: 5.55 ng
RT: 21.29 min Scan# 1247
Delta R.T. -0.07 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Tgt Ion:228 Resp: 419166

Ion	Ratio	Lower	Upper
228	100		
226	31.8	18.9	28.3#
229	16.6	19.1	28.7#



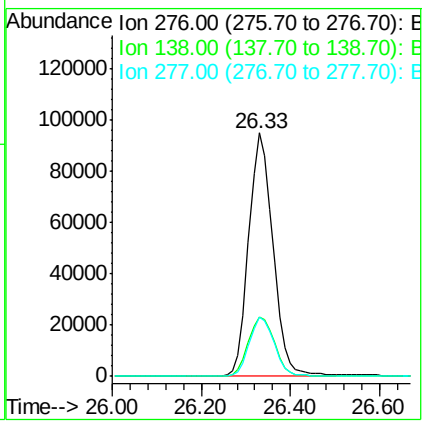


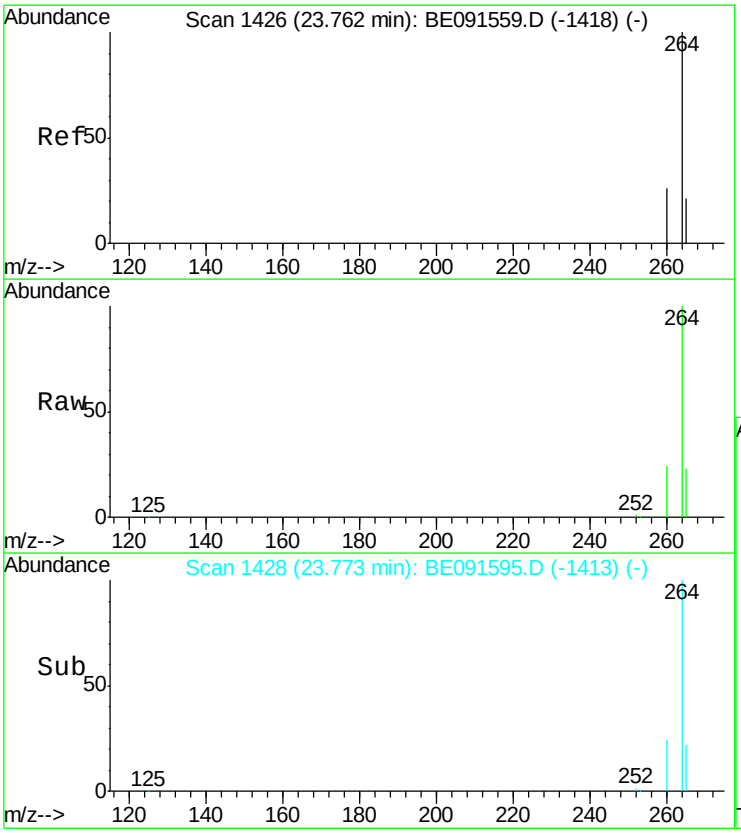
#27
Indeno(1,2,3-cd)pyrene
Concen: 4.05 ng
RT: 26.33 min Scan# 1647
Delta R.T. -0.05 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Instrument :
BNA_E
ClientSampleId :
PB89409BSD

Tgt Ion:276 Resp: 352117

Ion	Ratio	Lower	Upper
276	100		
138	26.2	20.2	30.4
277	24.9	19.8	29.8

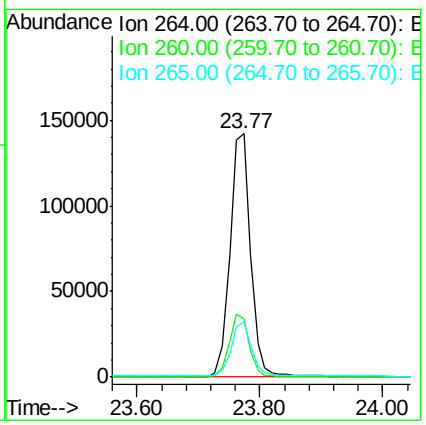


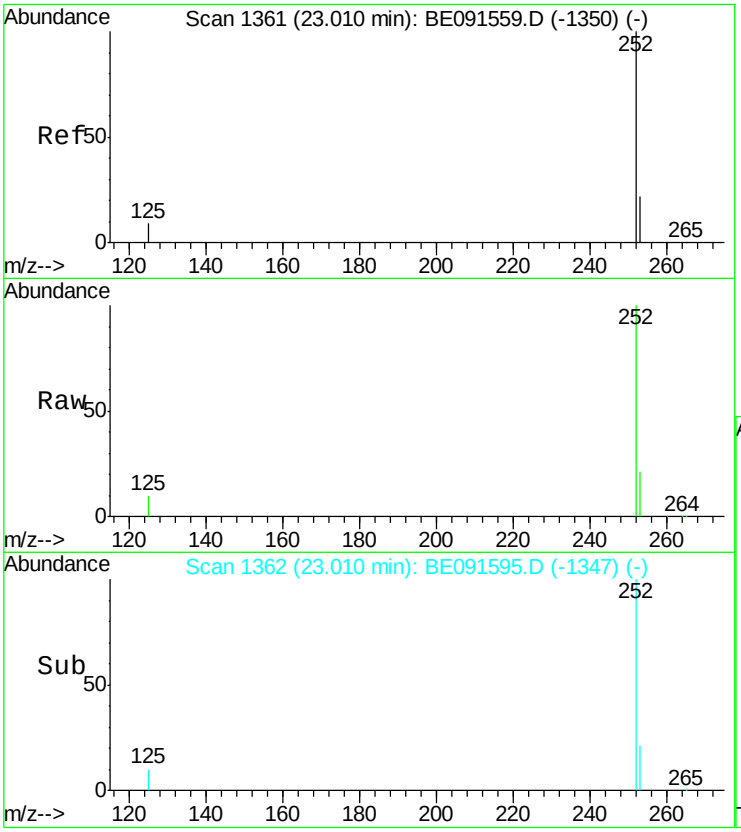


#28
Perylene-d12
Concen: 5.00 ng
RT: 23.77 min Scan# 1428
Delta R.T. -0.02 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Tgt Ion:264 Resp: 333801

Ion	Ratio	Lower	Upper
264	100		
260	23.9	20.1	30.1
265	22.6	18.3	27.5



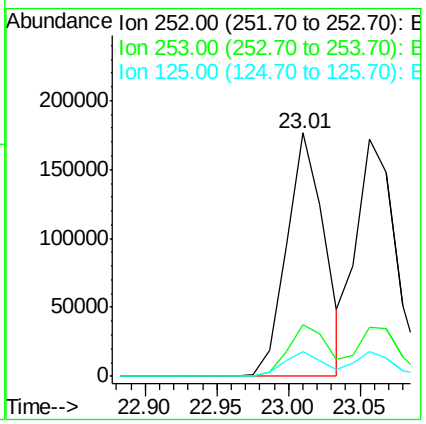


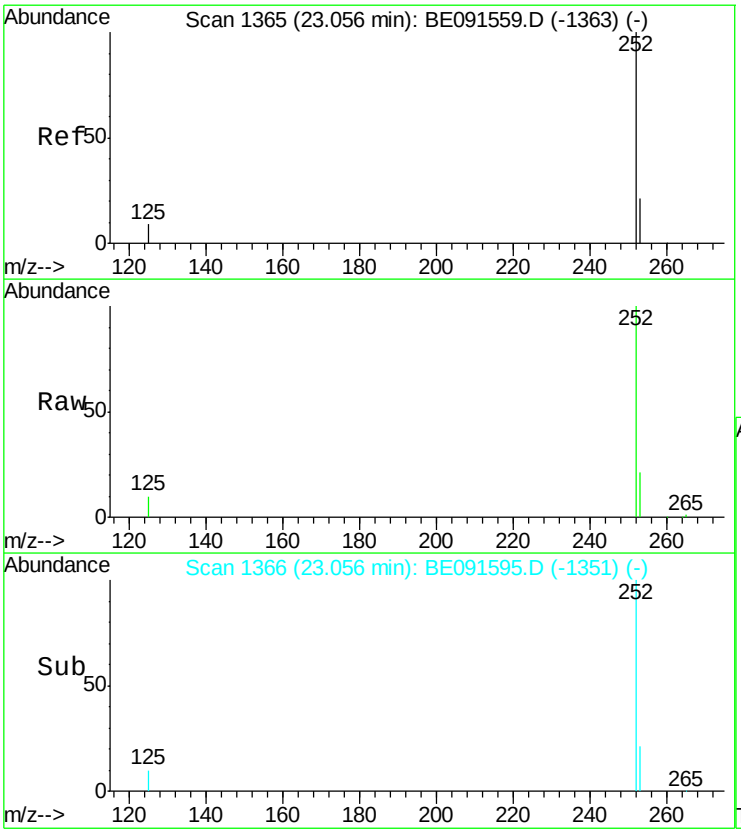
#29
Benzo(b)fluoranthene
Concen: 3.97 ng
RT: 23.01 min Scan# 1362
Delta R.T. -0.02 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Instrument :
BNA_E
ClientSampleId :
PB89409BSD

Tgt Ion:252 Resp: 321435

Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.7	28.1
125	10.2	9.8	14.6

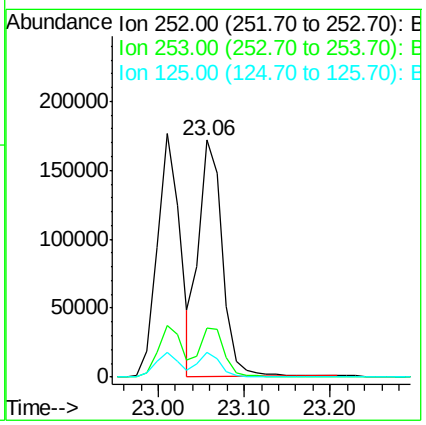


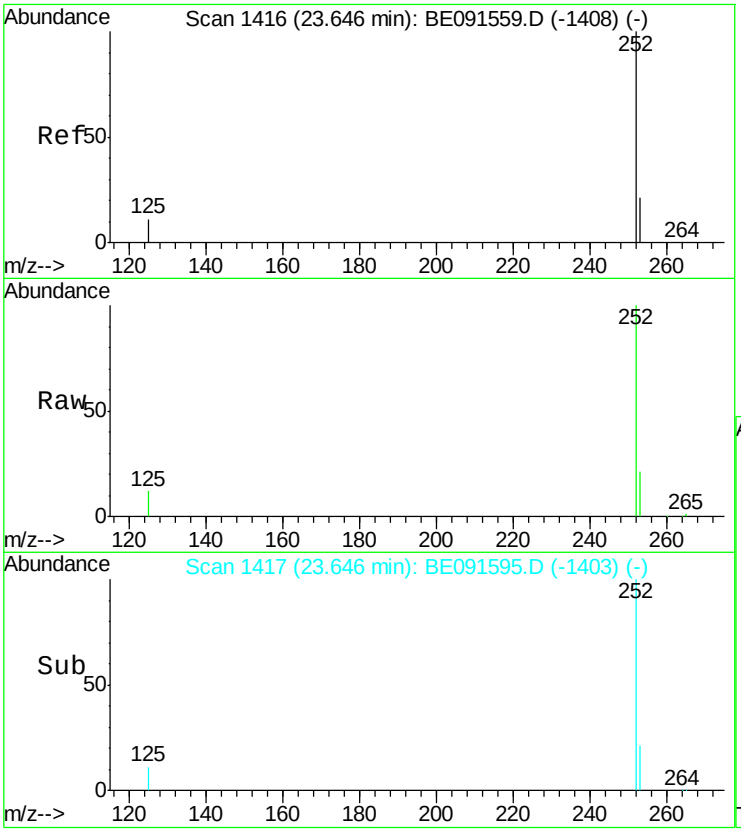


#30
Benzo(k)fluoranthene
Concen: 4.17 ng
RT: 23.06 min Scan# 1366
Delta R.T. -0.02 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Tgt Ion:252 Resp: 327074

Ion	Ratio	Lower	Upper
252	100		
253	20.9	20.2	30.4
125	10.5	9.4	14.2



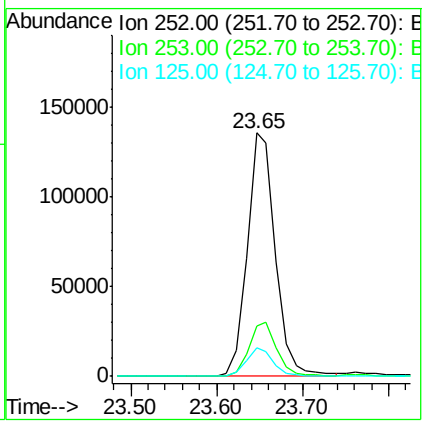


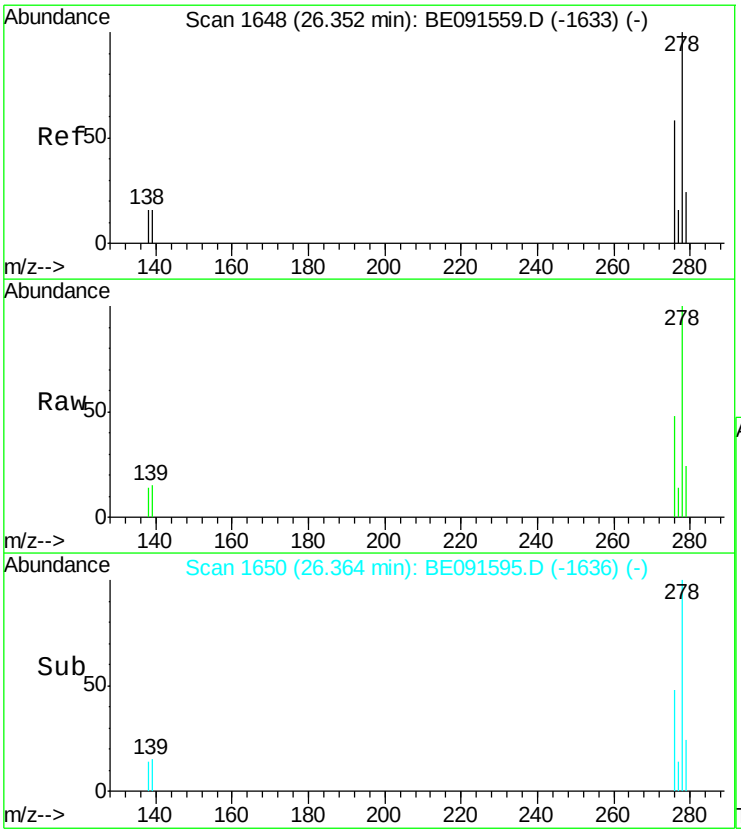
#31
Benzo(a)pyrene
Concen: 4.14 ng
RT: 23.65 min Scan# 1417
Delta R.T. -0.03 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Instrument :
BNA_E
ClientSampleId :
PB89409BSD

Tgt Ion:252 Resp: 306411

Ion	Ratio	Lower	Upper
252	100		
253	20.9	19.4	29.0
125	11.6	11.4	17.2

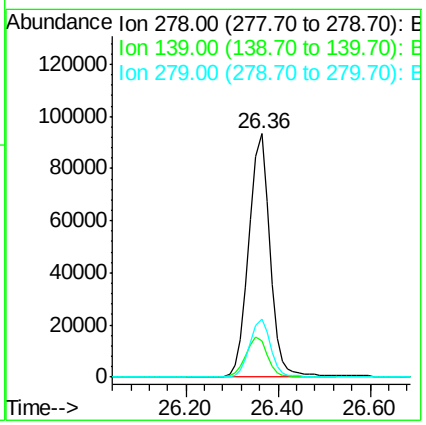


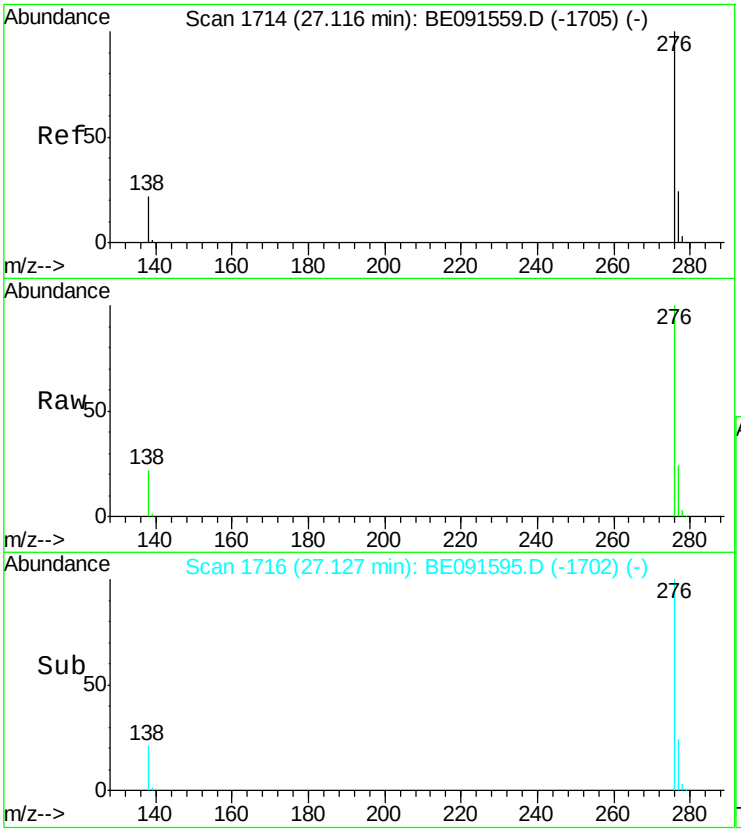


#32
Dibenzo(a,h)anthracene
Concen: 4.11 ng
RT: 26.36 min Scan# 1650
Delta R.T. -0.03 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Tgt Ion:278 Resp: 298223

Ion	Ratio	Lower	Upper
278	100		
139	15.0	14.2	21.4
279	23.9	19.6	29.4





#33
Benzo(g,h,i)perylene
Concen: 4.06 ng
RT: 27.13 min Scan# 1716
Delta R.T. -0.03 min
Lab File: BE091595.D
Acq: 1 Apr 2016 18:04

Instrument :
BNA_E
ClientSampleId :
PB89409BSD

Tgt Ion:276 Resp: 301088

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.2
138	21.5	18.2	27.4