Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE062416\
Data File : BE091945.D
Acq On : 24 Jun 2016 14:12
Operator : UM/SJ
Sample : H3676-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : NCHC-009

Quant Time: Jun 24 17:28:32 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE061416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 15 12:00:38 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	23852	5.00	ng		0.02
8) Naphthalene-d8	11.02	136	112613	5.00	ng		0.03
15) Acenaphthene-d10	14.86	164	84928	5.00	ng		0.00
24) Phenanthrene-d10	17.61	188	147951	5.00	ng		0.00
31) Chrysene-d12	21.76	240	213955	5.00	ng		0.00
40) Perylene-d12	24.18	264	150463	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.72	112	50554	10.84	ng		0.00
5) Phenol-d6	7.37	99	81094	10.55	ng		0.02
9) Nitrobenzene-d5	9.36	82	44805	5.76	ng		0.00
16) 2,4,6-Tribromophenol	16.35	330	20238	9.14	ng		0.00
17) 2-Fluorobiphenyl	13.49	172	107638	4.99	ng		0.00
34) Terphenyl-d14	20.22	244	137940	5.27	ng		0.00
Target Compounds							Qvalue
12) Naphthalene	11.04	128	823	0.03	ng	#	63
14) 2-Methylnaphthalene	12.69	142	359	0.02	ng	#	85
18) Acenaphthylene	14.59	152	9537	0.11	ng	#	68
22) Fluorene	15.91	166	1318	0.06	ng	#	95
27) Pentachlorophenol	17.26	266	136	0.15	ng	#	84
28) Phenanthrene	17.64	178	20024	0.54	ng		99
29) Anthracene	17.73	178	4904	0.15	ng		98
30) Fluoranthene	19.65	202	160716	1.01	ng	#	86
33) Pyrene	20.02	202	150108	1.03	ng	#	70
35) Benzo(a)anthracene	21.73	228	23119m	0.69	ng		
37) Chrysene	21.79	228	24692m	0.50	ng		
39) Indeno(1,2,3-cd)pyrene	26.68	276	54486	0.32	ng		98
41) Benzo(b)fluoranthene	23.44	252	28778m	0.75	ng		
42) Benzo(k)fluoranthene	23.47	252	10334m	0.29	ng		
43) Benzo(a)pyrene	24.06	252	19012	0.56	ng	#	69
45) Benzo(g,h,i)perylene	27.47	276	65538	0.48	ng	#	81

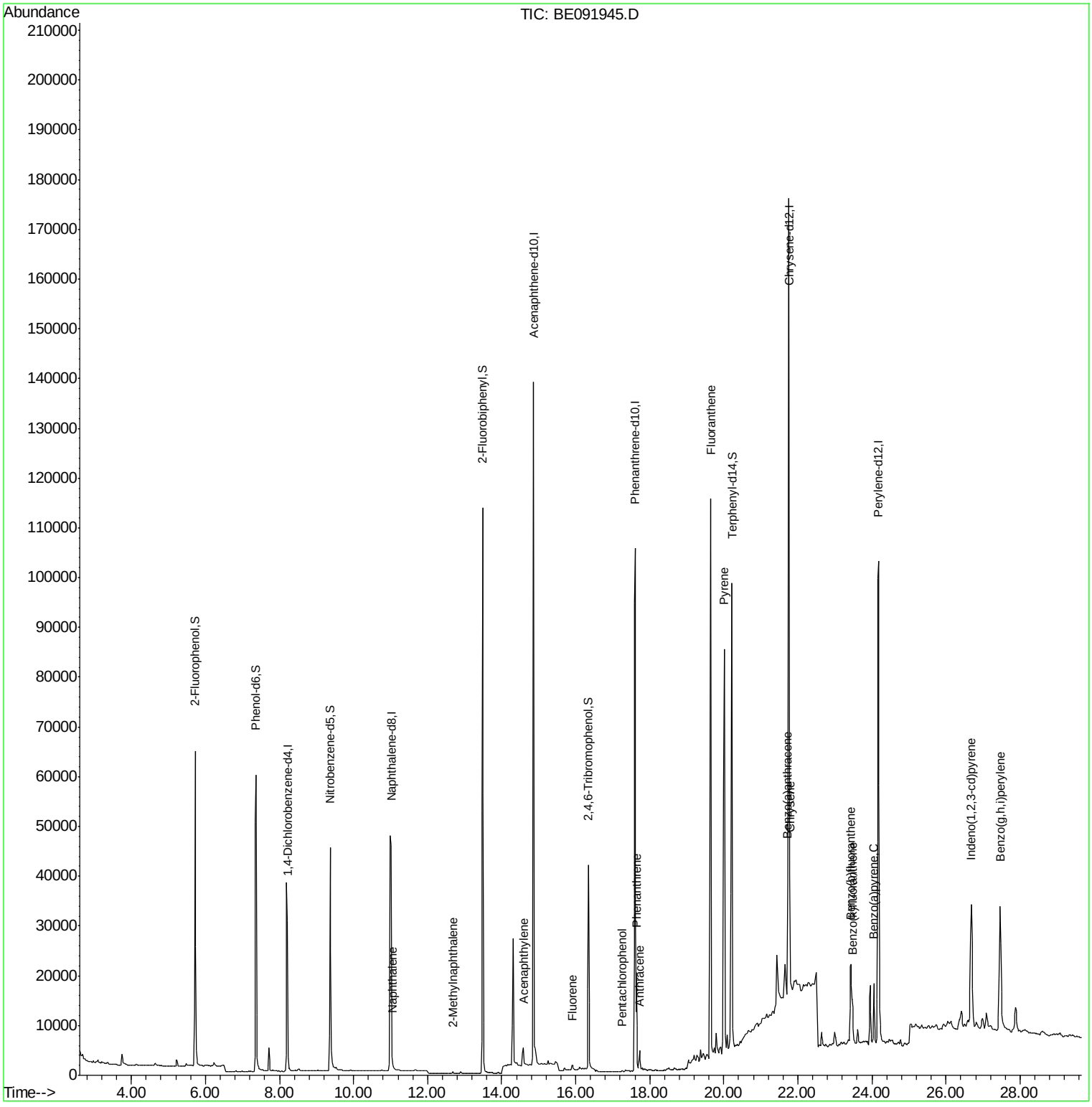
(#) = qualifier out of range (m) = manual integration (+) = signals summed

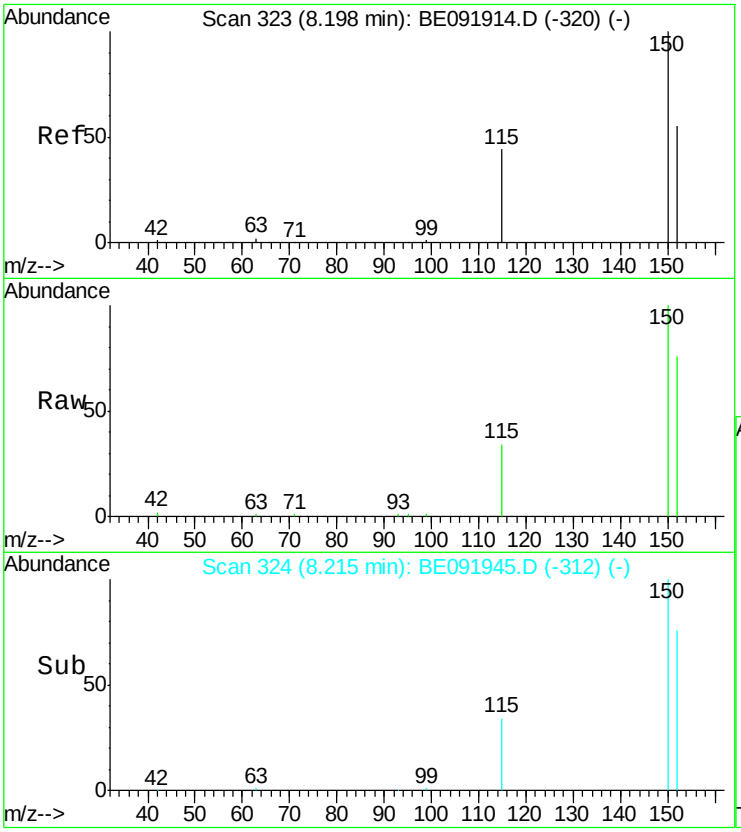
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE062416\
Data File : BE091945.D
Acq On : 24 Jun 2016 14:12
Operator : UM/SJ
Sample : H3676-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
NCHC-009

Quant Time: Jun 24 17:28:32 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE061416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 15 12:00:38 2016
Response via : Initial Calibration



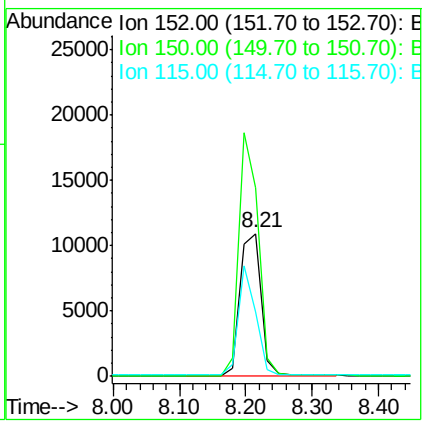


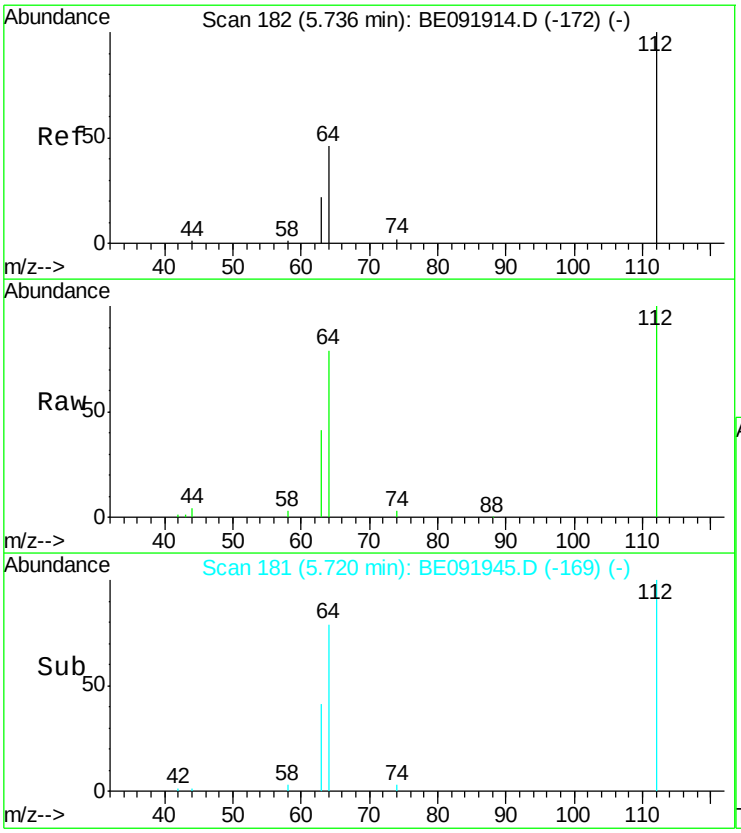
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.21 min Scan# 324
Delta R.T. 0.02 min
Lab File: BE091945.D
Acq: 24 Jun 2016 14:12

Instrument :
BNA_E
ClientSampleId :
NCHC-009

Tgt Ion:152 Resp: 23852

Ion	Ratio	Lower	Upper
152	100		
150	132.2	123.9	185.9
115	44.9	48.3	72.5#

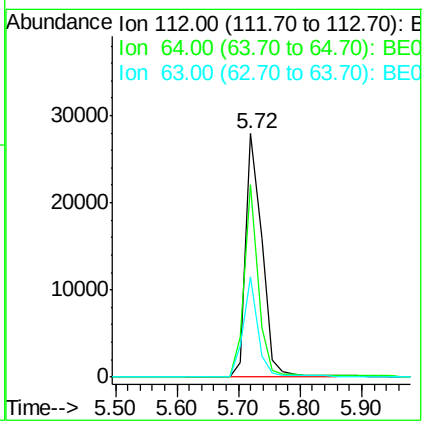


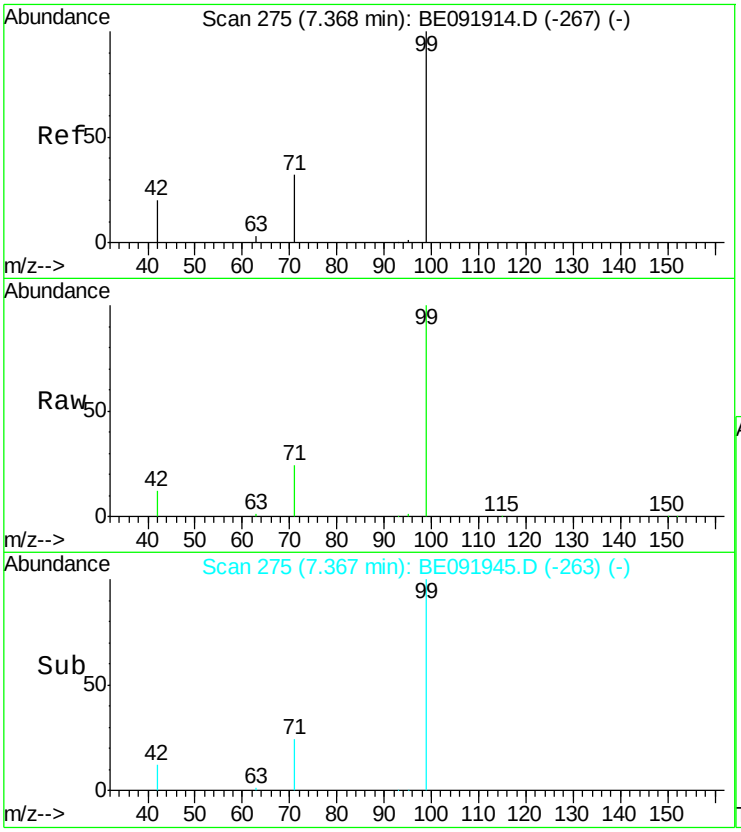


#4
2-Fluorophenol
Concen: 10.84 ng
RT: 5.72 min Scan# 181
Delta R.T. 0.00 min
Lab File: BE091945.D
Acq: 24 Jun 2016 14:12

Tgt Ion:112 Resp: 50554

Ion	Ratio	Lower	Upper
112	100		
64	69.1	53.7	80.5
63	37.1	29.5	44.3



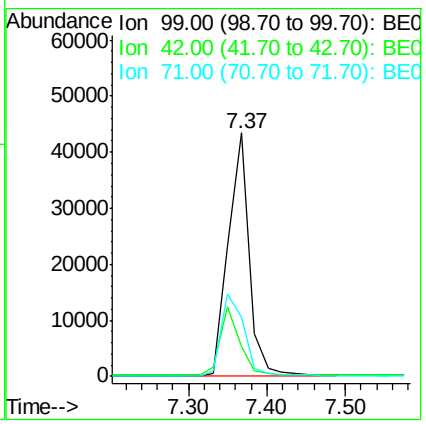


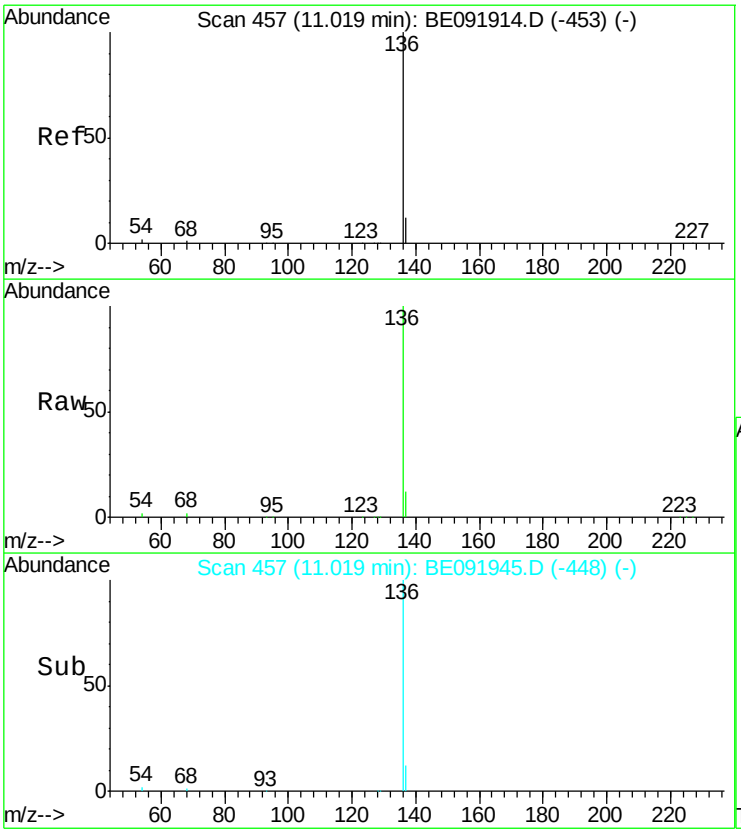
#5
Phenol-d6
Concen: 10.55 ng
RT: 7.37 min Scan# 275
Delta R.T. 0.02 min
Lab File: BE091945.D
Acq: 24 Jun 2016 14:12

Instrument :
BNA_E
ClientSampleId :
NCHC-009

Tgt Ion: 99 Resp: 81094

Ion	Ratio	Lower	Upper
99	100		
42	26.1	19.6	29.4
71	36.3	28.1	42.1

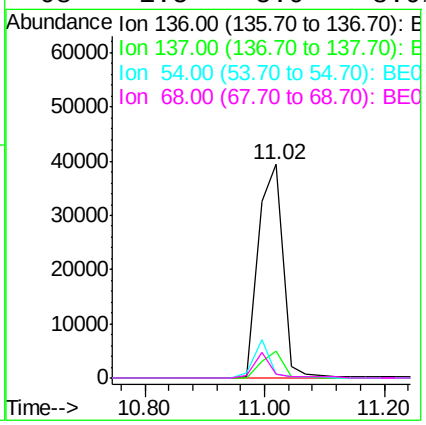


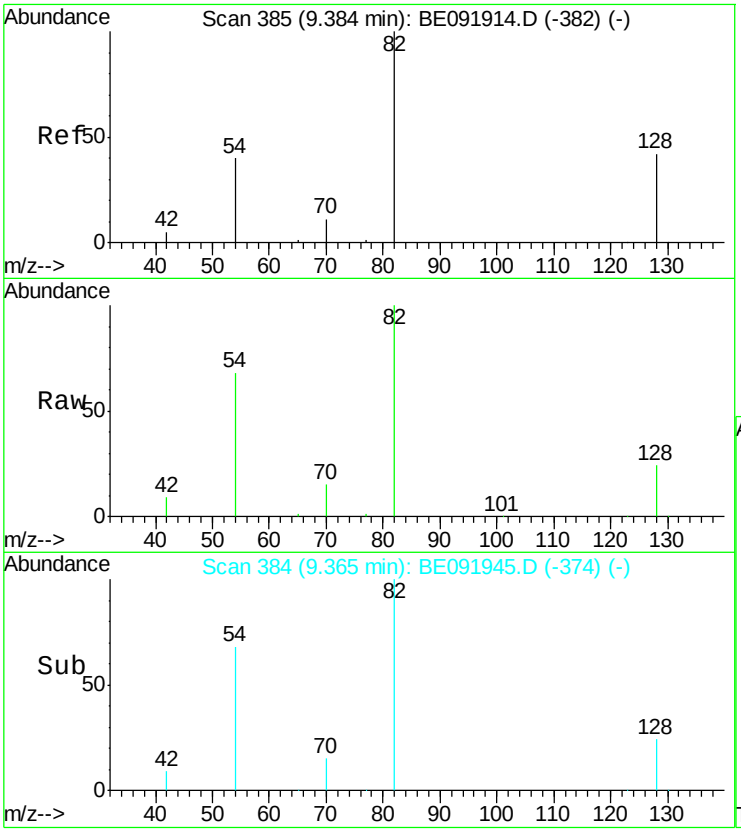


#8
Naphthalene-d8
Concen: 5.00 ng
RT: 11.02 min Scan# 457
Delta R.T. 0.03 min
Lab File: BE091945.D
Acq: 24 Jun 2016 14:12

Tgt Ion:136 Resp: 112613

Ion	Ratio	Lower	Upper
136	100		
137	12.3	8.3	12.5
54	1.8	8.2	12.4#
68	1.5	5.9	8.9#



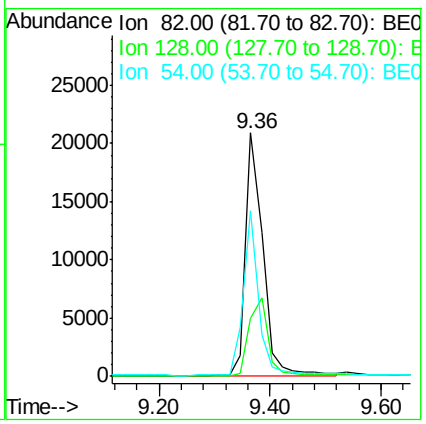


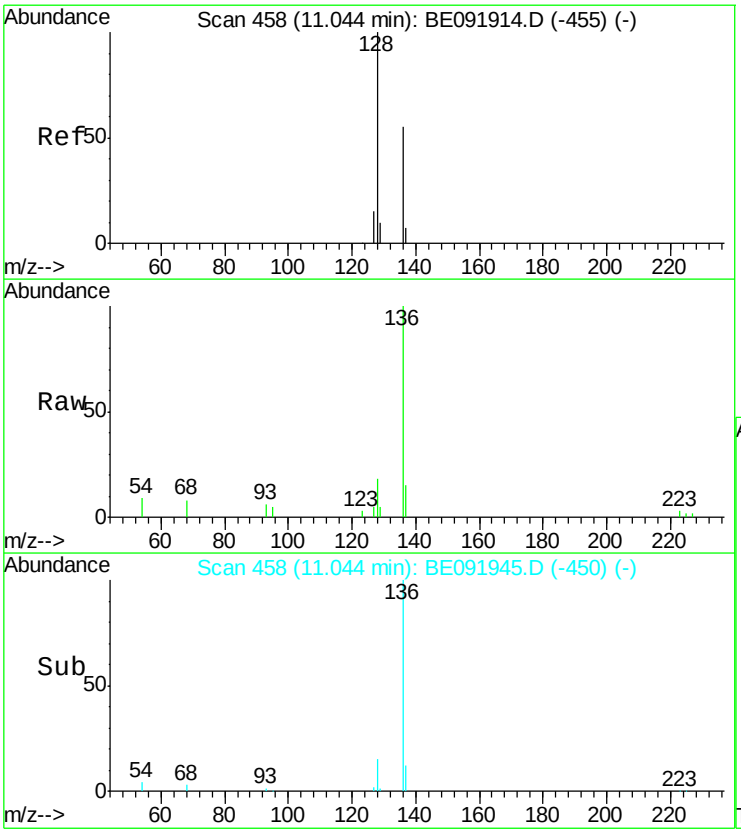
#9
Nitrobenzene-d5
Concen: 5.76 ng
RT: 9.36 min Scan# 384
Delta R.T. -0.00 min
Lab File: BE091945.D
Acq: 24 Jun 2016 14:12

Instrument :
BNA_E
ClientSampleId :
NCHC-009

Tgt Ion: 82 Resp: 44805

Ion	Ratio	Lower	Upper
82	100		
128	24.0	39.5	59.3#
54	67.8	30.3	45.5#

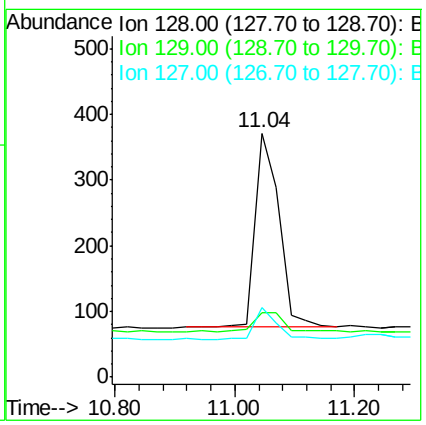


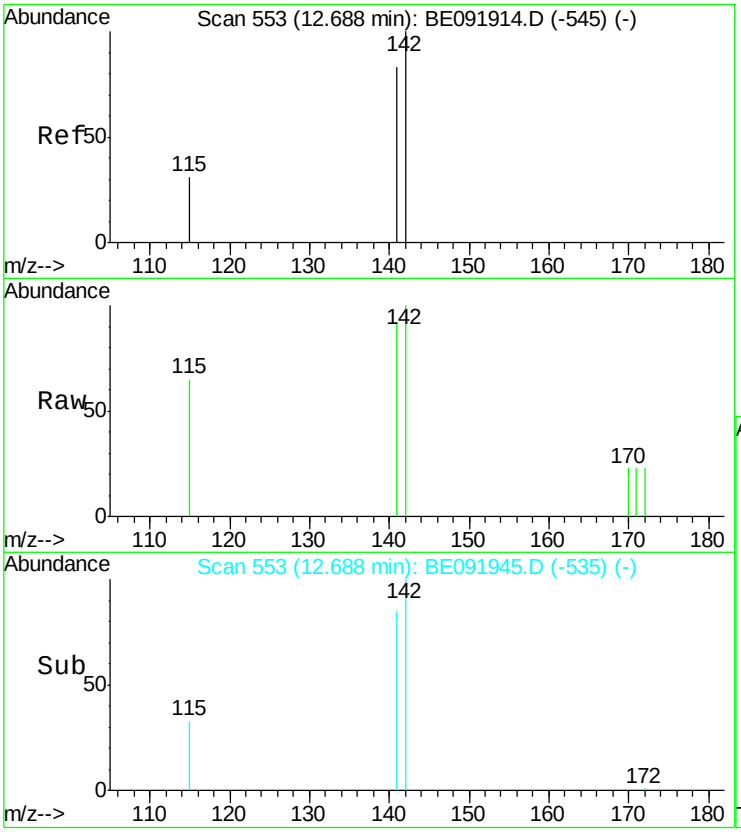


#12
Naphthalene
Concen: 0.03 ng
RT: 11.04 min Scan# 458
Delta R.T. 0.00 min
Lab File: BE091945.D
Acq: 24 Jun 2016 14:12

Tgt Ion:128 Resp: 823

Ion	Ratio	Lower	Upper
128	100		
129	26.4	10.4	15.6#
127	28.3	10.2	15.2#



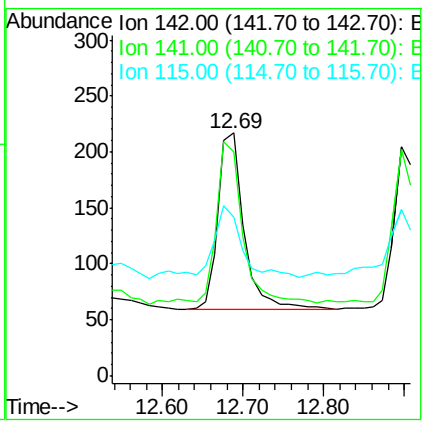


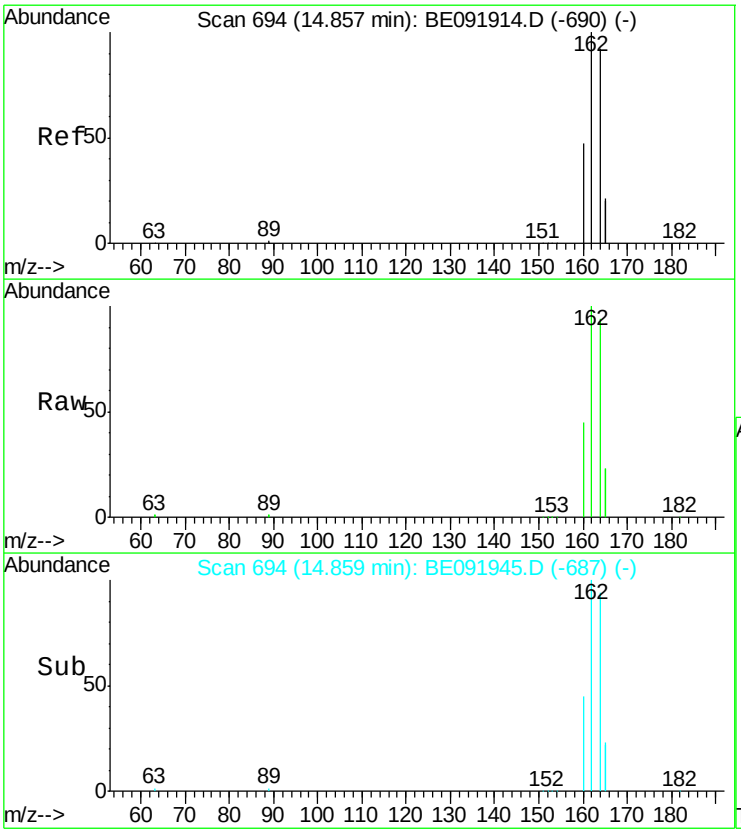
#14
2-Methylnaphthalene
Concen: 0.02 ng
RT: 12.69 min Scan# 553
Delta R.T. 0.01 min
Lab File: BE091945.D
Acq: 24 Jun 2016 14:12

Instrument :
BNA_E
ClientSampleId :
NCHC-009

Tgt Ion:142 Resp: 359

Ion	Ratio	Lower	Upper
142	100		
141	92.2	71.9	107.9
115	65.4	29.9	44.9#

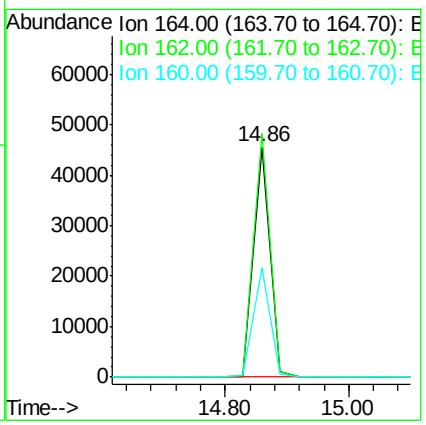


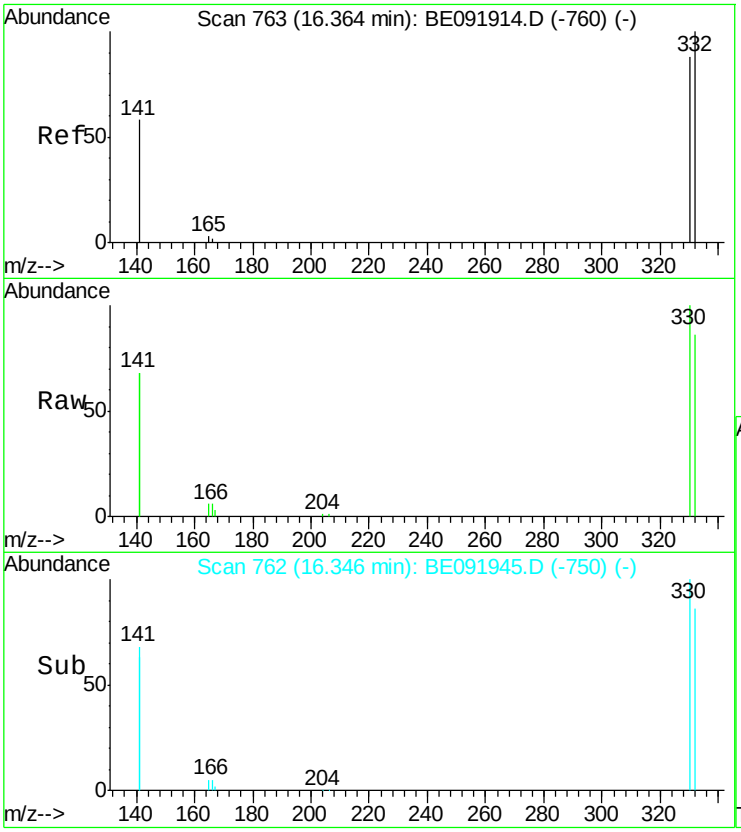


#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.86 min Scan# 694
Delta R.T. 0.00 min
Lab File: BE091945.D
Acq: 24 Jun 2016 14:12

Tgt Ion:164 Resp: 84928

Ion	Ratio	Lower	Upper
164	100		
162	106.0	71.8	107.8
160	47.3	28.0	42.0#



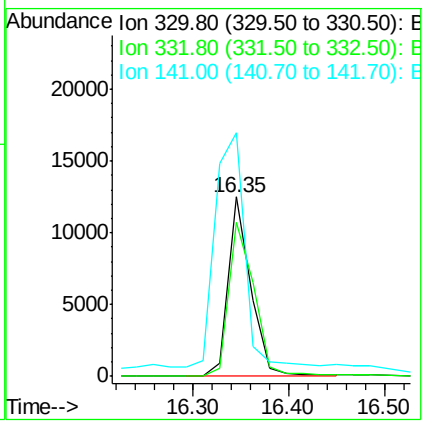


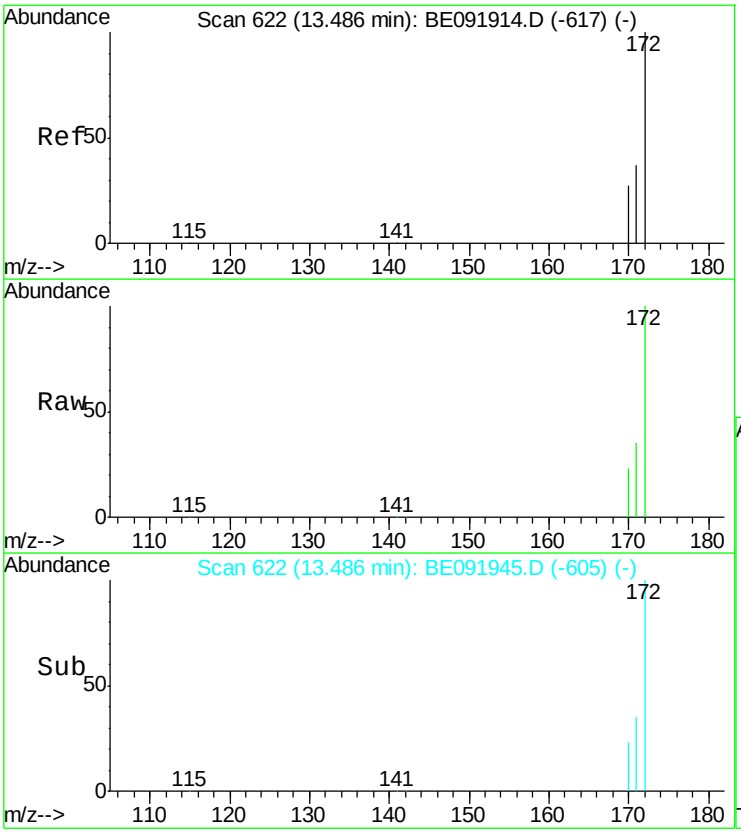
#16
2,4,6-Tribromophenol
Concen: 9.14 ng
RT: 16.35 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE091945.D
Acq: 24 Jun 2016 14:12

Instrument :
BNA_E
ClientSampleId :
NCHC-009

Tgt Ion:330 Resp: 20238

Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	172.0	138.4	207.6

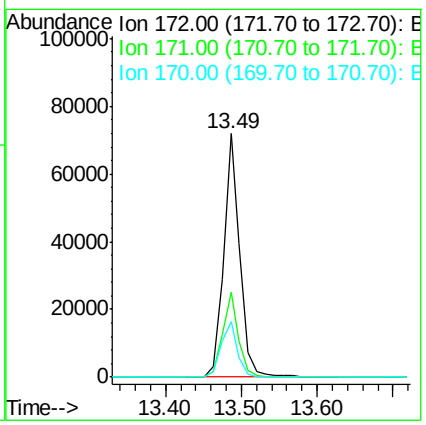


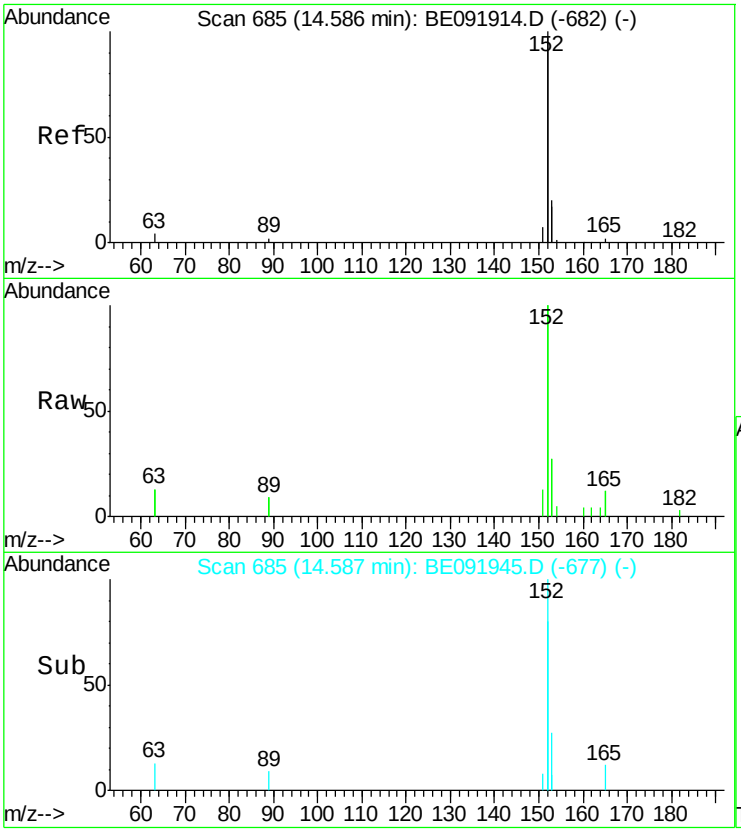


#17
2-Fluorobiphenyl
Concen: 4.99 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091945.D
Acq: 24 Jun 2016 14:12

Tgt Ion:172 Resp: 107638

Ion	Ratio	Lower	Upper
172	100		
171	35.0	24.3	36.5
170	22.8	14.9	22.3#



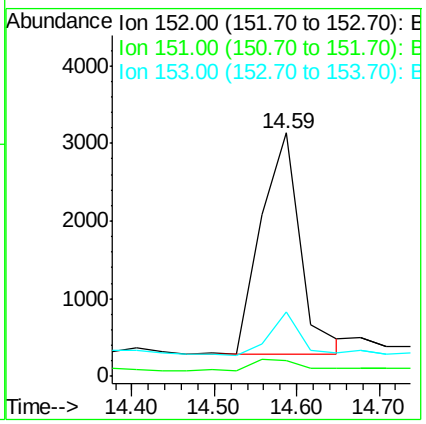


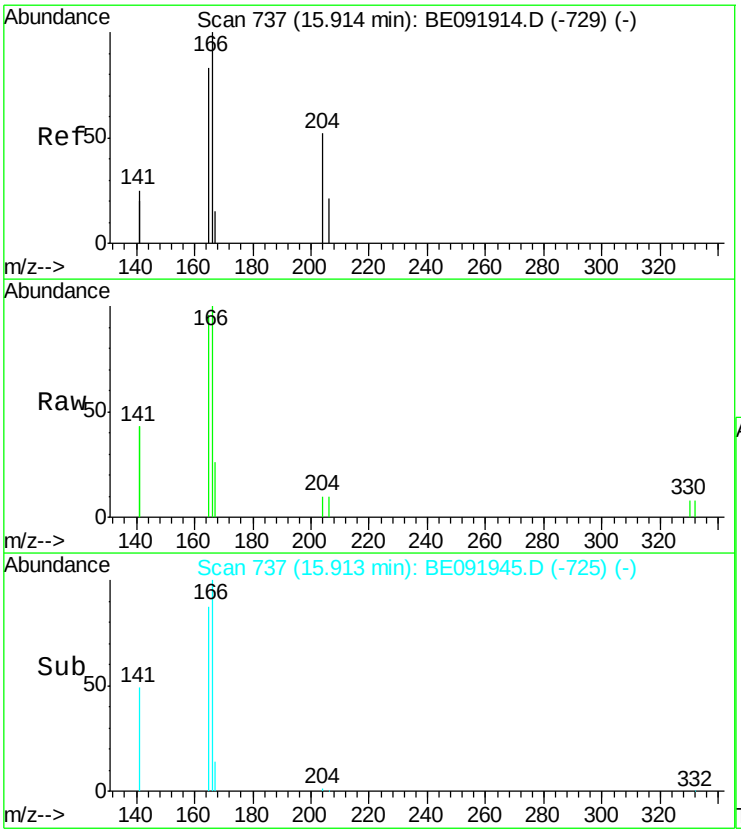
#18
Acenaphthylene
Concen: 0.11 ng
RT: 14.59 min Scan# 685
Delta R.T. 0.03 min
Lab File: BE091945.D
Acq: 24 Jun 2016 14:12

Instrument :
BNA_E
ClientSampleId :
NCHC-009

Tgt Ion:152 Resp: 9537

Ion	Ratio	Lower	Upper
152	100		
151	0.0	19.4	29.2#
153	13.9	14.4	21.6#

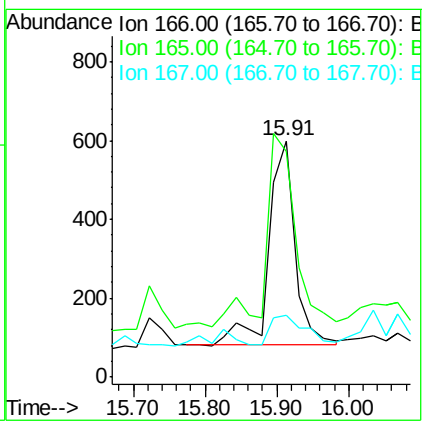


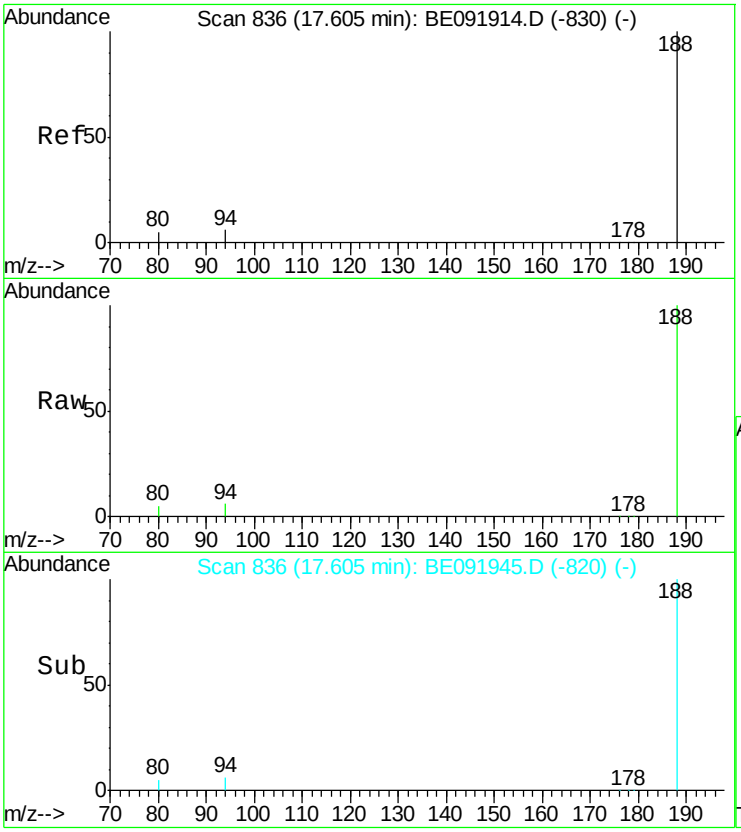


#22
Fluorene
Concen: 0.06 ng
RT: 15.91 min Scan# 737
Delta R.T. 0.02 min
Lab File: BE091945.D
Acq: 24 Jun 2016 14:12

Tgt Ion:166 Resp: 1318

Ion	Ratio	Lower	Upper
166	100		
165	102.0	78.6	117.8
167	19.8	10.8	16.2#



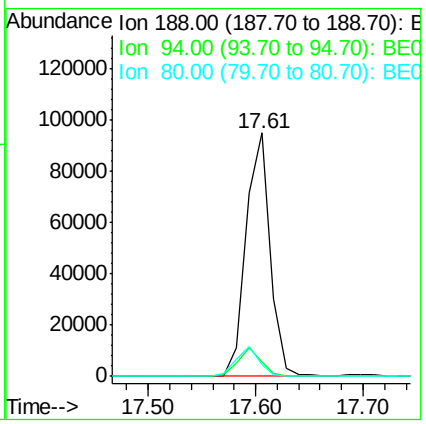


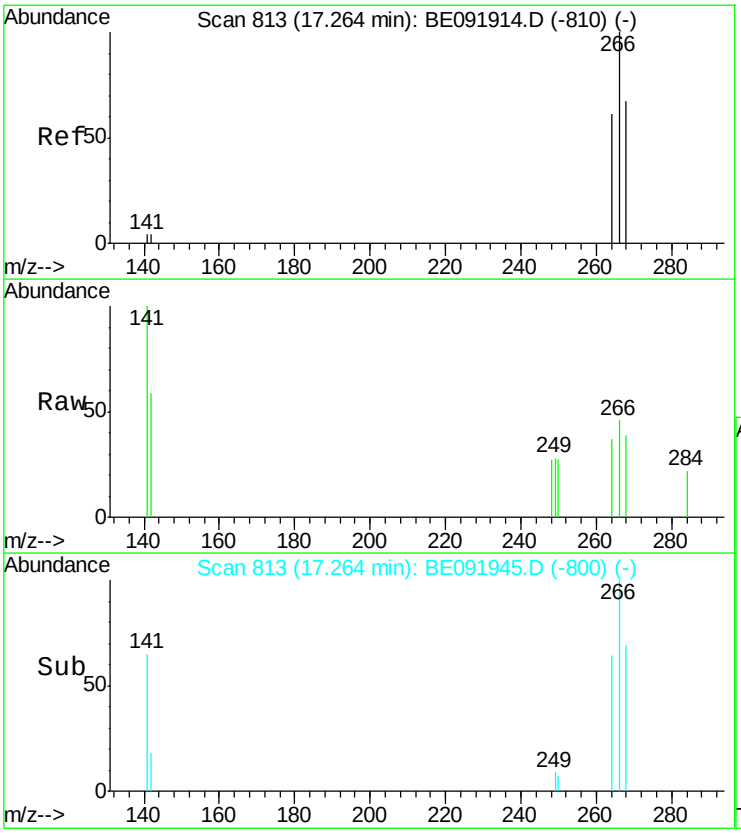
#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.61 min Scan# 836
Delta R.T. -0.00 min
Lab File: BE091945.D
Acq: 24 Jun 2016 14:12

Instrument :
BNA_E
ClientSampleId :
NCHC-009

Tgt Ion:188 Resp: 147951

Ion	Ratio	Lower	Upper
188	100		
94	5.9	4.1	6.1
80	5.1	3.4	5.2

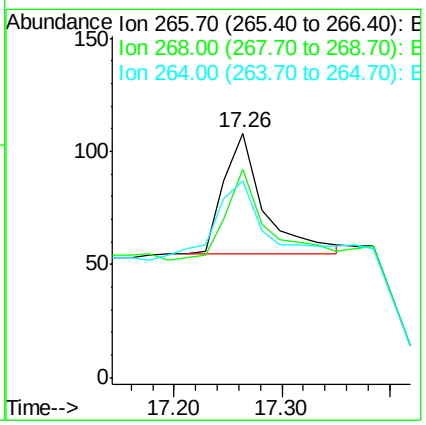


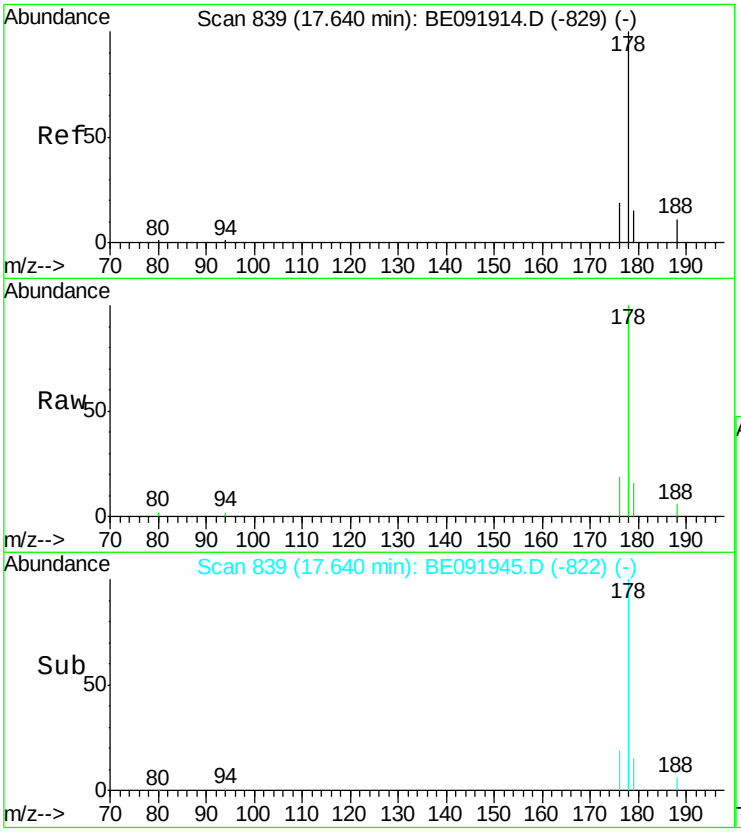


#27
Pentachlorophenol
Concen: 0.15 ng
RT: 17.26 min Scan# 813
Delta R.T. 0.02 min
Lab File: BE091945.D
Acq: 24 Jun 2016 14:12

Tgt Ion:266 Resp: 136

Ion	Ratio	Lower	Upper
266	100		
268	85.2	60.5	90.7
264	80.6	51.0	76.4#



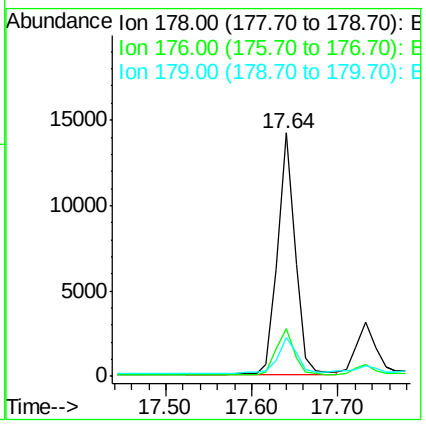


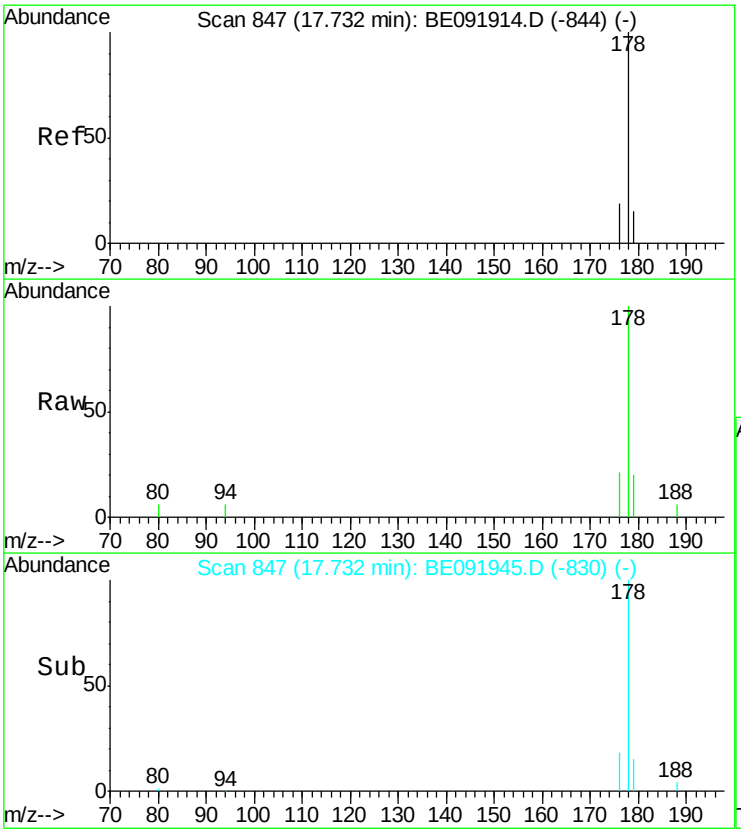
#28
Phenanthrene
Concen: 0.54 ng
RT: 17.64 min Scan# 839
Delta R.T. -0.00 min
Lab File: BE091945.D
Acq: 24 Jun 2016 14:12

Instrument :
BNA_E
ClientSampleId :
NCHC-009

Tgt Ion:178 Resp: 20024

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	16.6	12.9	19.3

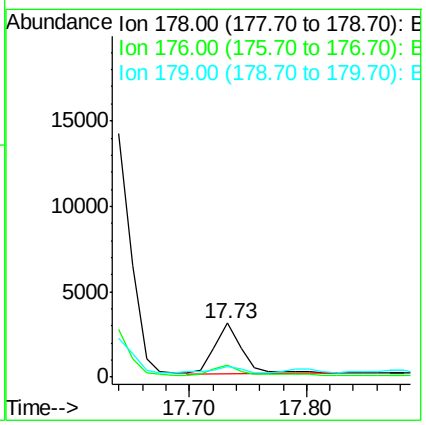


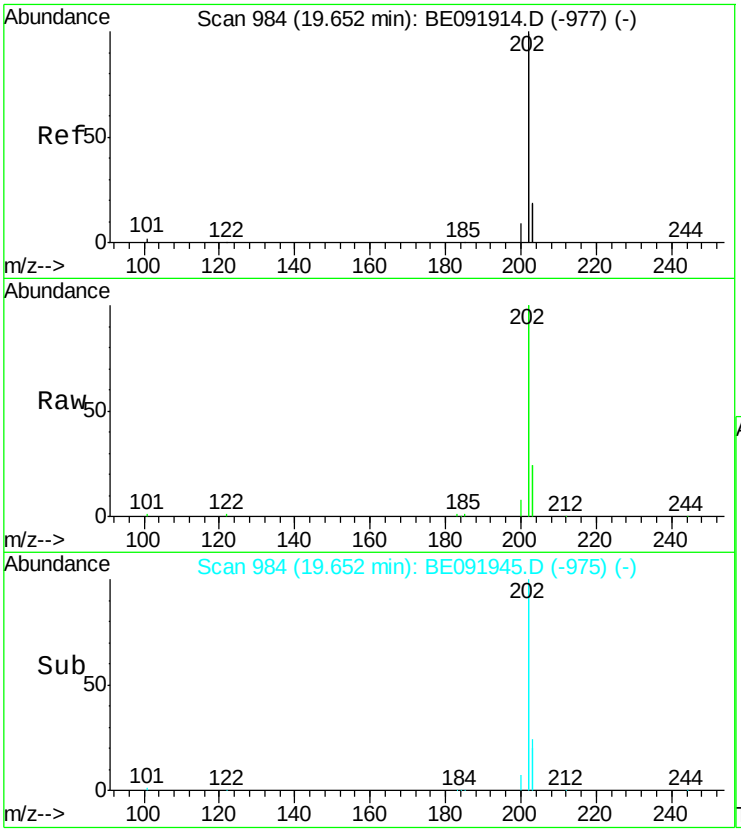


#29
Anthracene
Concen: 0.15 ng
RT: 17.73 min Scan# 847
Delta R.T. -0.00 min
Lab File: BE091945.D
Acq: 24 Jun 2016 14:12

Tgt Ion:178 Resp: 4904

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	12.9	12.1	18.1



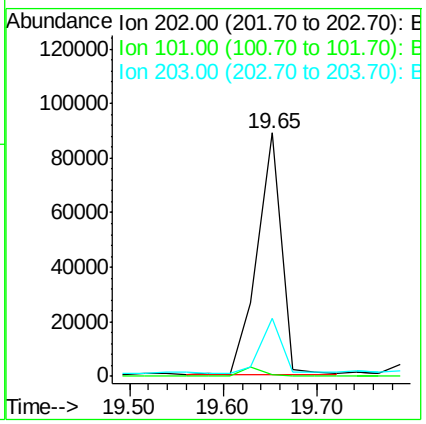


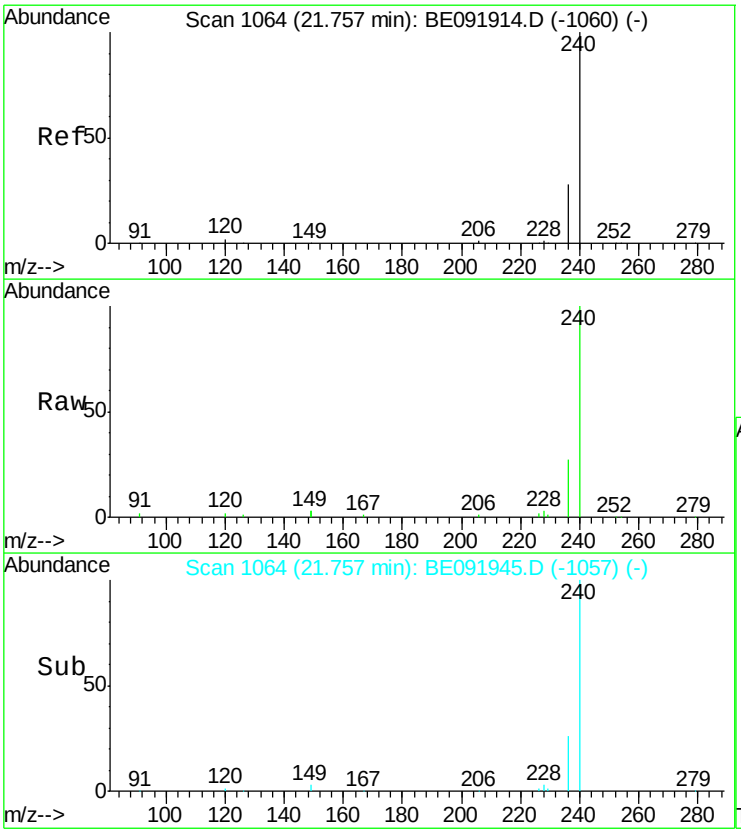
#30
Fluoranthene
Concen: 1.01 ng
RT: 19.65 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE091945.D
Acq: 24 Jun 2016 14:12

Instrument :
BNA_E
ClientSampleId :
NCHC-009

Tgt Ion:202 Resp: 160716

Ion	Ratio	Lower	Upper
202	100		
101	0.0	9.4	14.0#
203	19.6	14.3	21.5

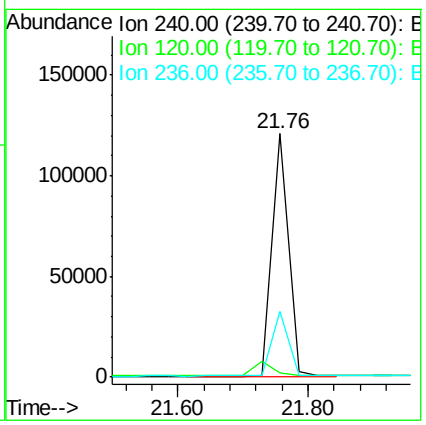


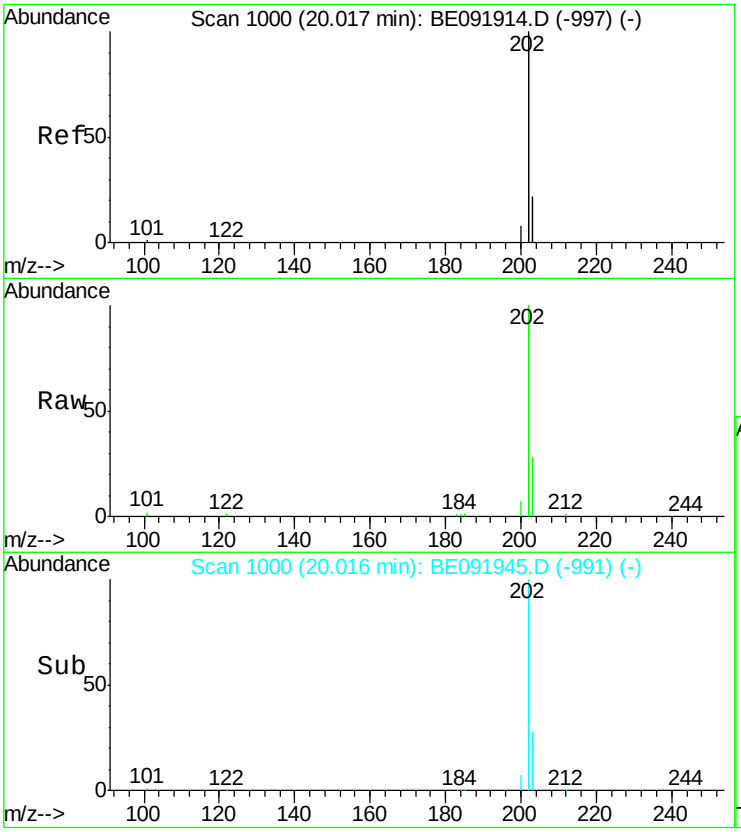


#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BE091945.D
Acq: 24 Jun 2016 14:12

Tgt Ion:240 Resp: 213955

Ion	Ratio	Lower	Upper
240	100		
120	1.9	1.2	1.8#
236	26.8	19.8	29.8



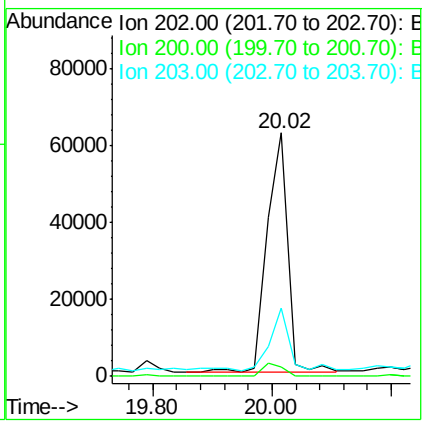


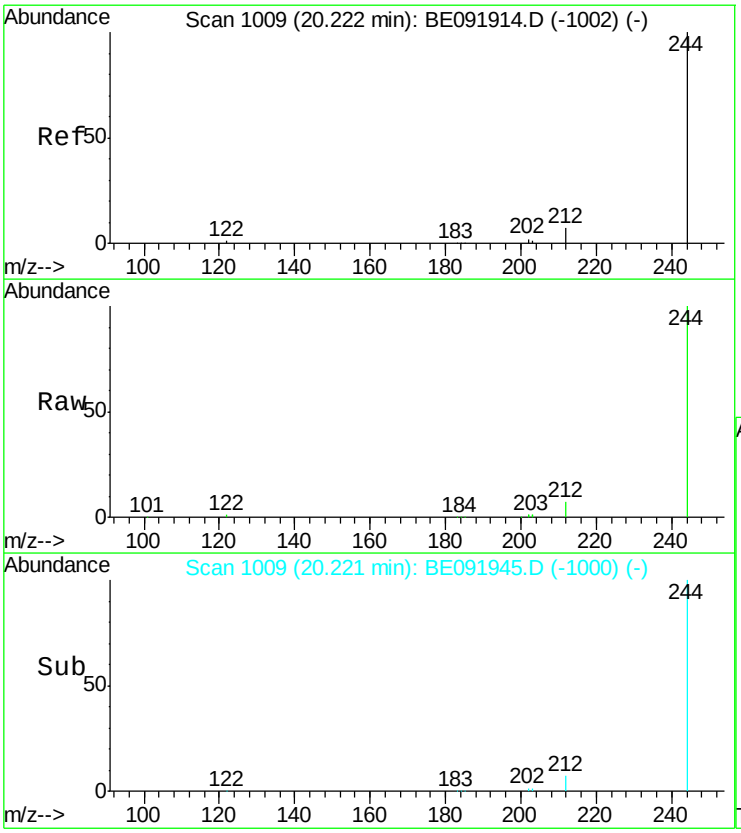
#33
Pyrene
Concen: 1.03 ng
RT: 20.02 min Scan# 1000
Delta R.T. 0.00 min
Lab File: BE091945.D
Acq: 24 Jun 2016 14:12

Instrument :
BNA_E
ClientSampleId :
NCHC-009

Tgt Ion:202 Resp: 150108

Ion	Ratio	Lower	Upper
202	100		
200	0.0	16.9	25.3#
203	23.0	14.1	21.1#

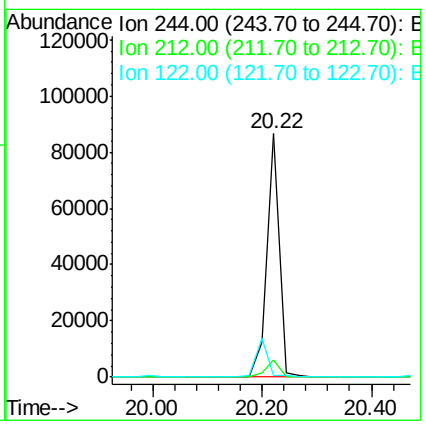


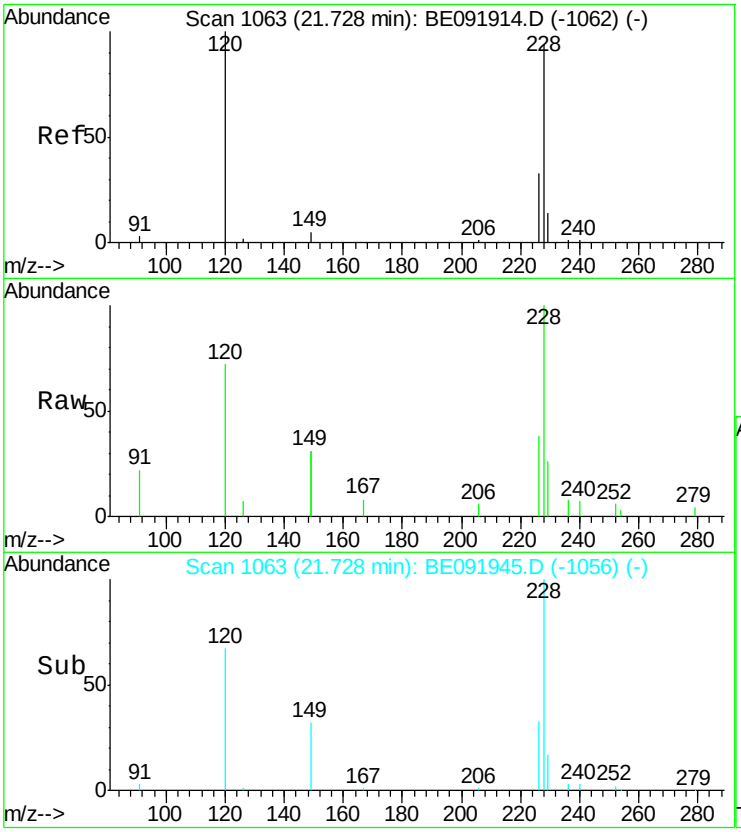


#34
Terphenyl-d14
Concen: 5.27 ng
RT: 20.22 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BE091945.D
Acq: 24 Jun 2016 14:12

Tgt Ion:244 Resp: 137940

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.5	9.7
122	0.8	2.9	4.3#



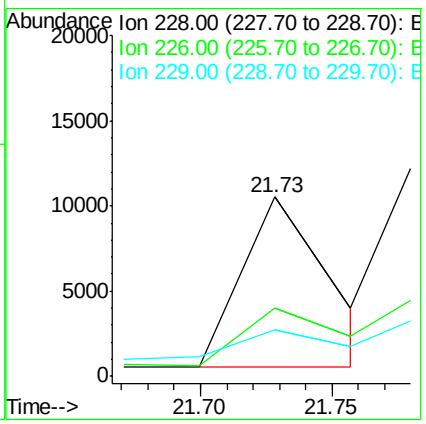


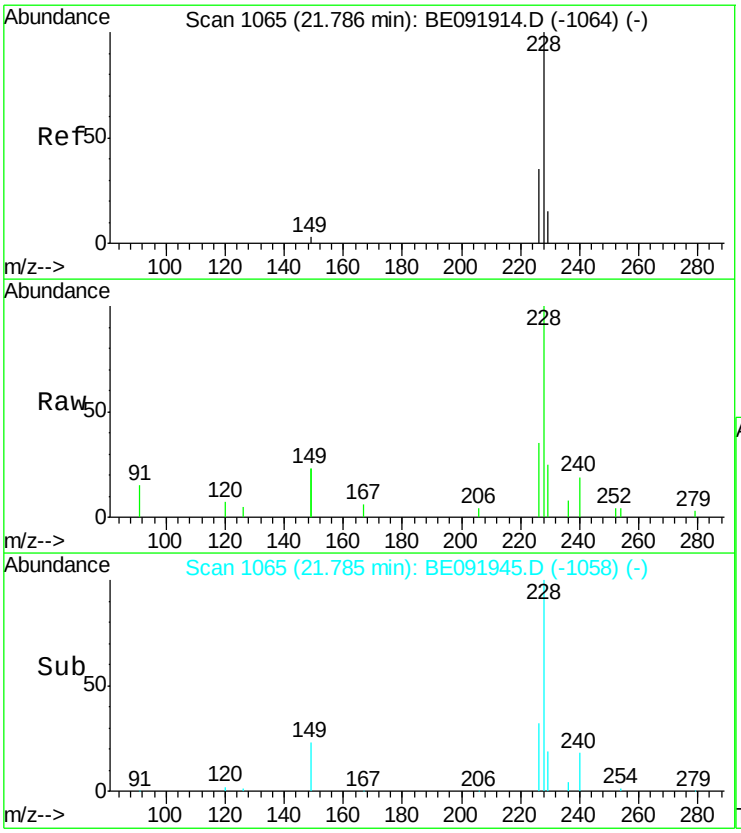
#35
Benzo(a)anthracene
Concen: 0.69 ng m
RT: 21.73 min Scan# 1063
Delta R.T. 0.00 min
Lab File: BE091945.D
Acq: 24 Jun 2016 14:12

Instrument :
BNA_E
ClientSampleId :
NCHC-009

Tgt Ion:228 Resp: 23119

Ion	Ratio	Lower	Upper
228	100		
226	37.7	21.0	31.4#
229	26.0	15.8	23.8#

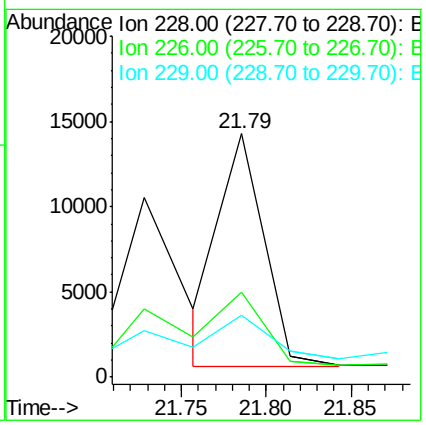


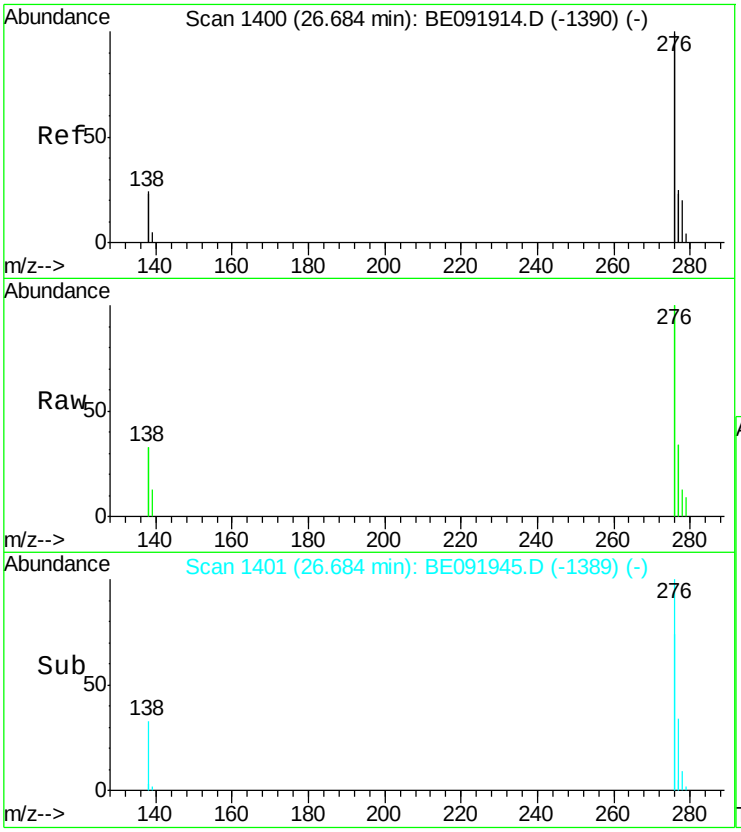


#37
Chrysene
Concen: 0.50 ng m
RT: 21.79 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BE091945.D
Acq: 24 Jun 2016 14:12

Tgt Ion:228 Resp: 24692

Ion	Ratio	Lower	Upper
228	100		
226	34.8	27.0	40.6
229	25.2	13.8	20.8#



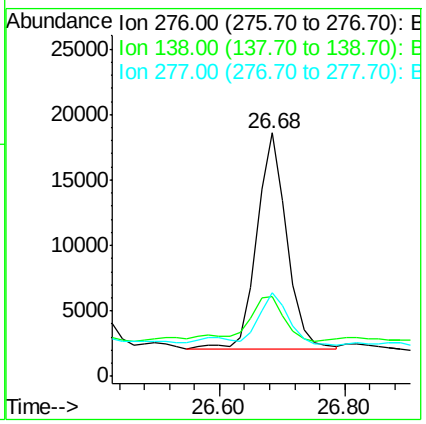


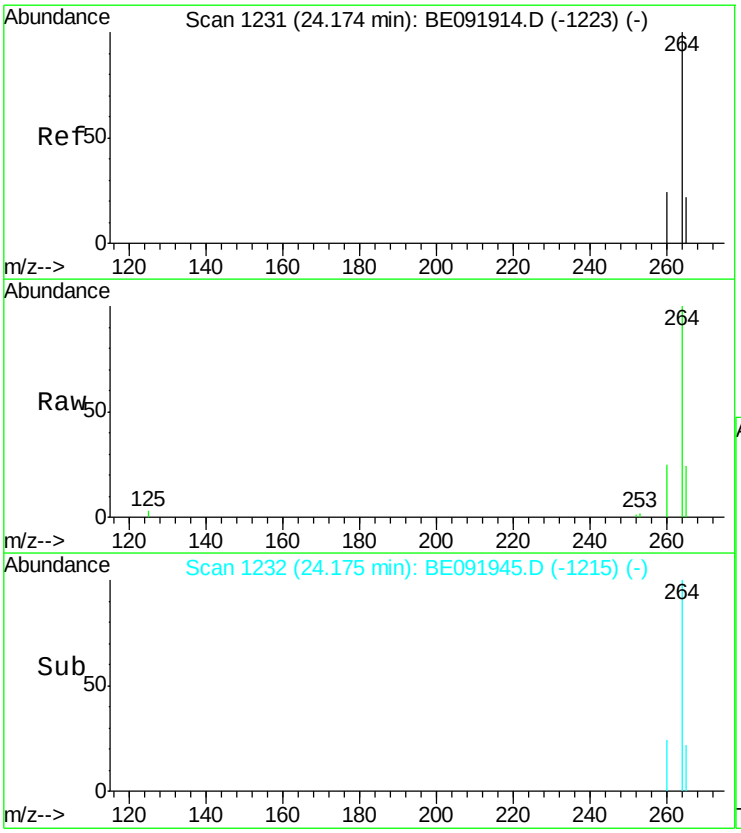
#39
Indeno(1,2,3-cd)pyrene
Concen: 0.32 ng
RT: 26.68 min Scan# 1401
Delta R.T. -0.00 min
Lab File: BE091945.D
Acq: 24 Jun 2016 14:12

Instrument :
BNA_E
ClientSampleId :
NCHC-009

Tgt Ion:276 Resp: 54486

Ion	Ratio	Lower	Upper
276	100		
138	24.9	19.7	29.5
277	23.2	20.1	30.1

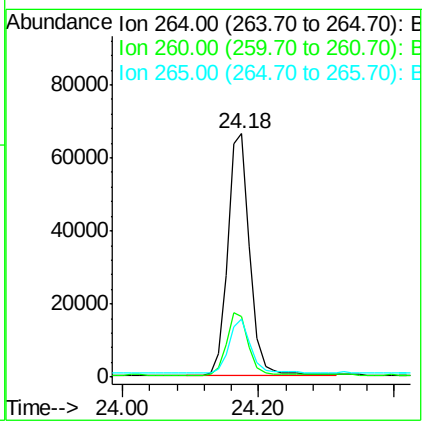


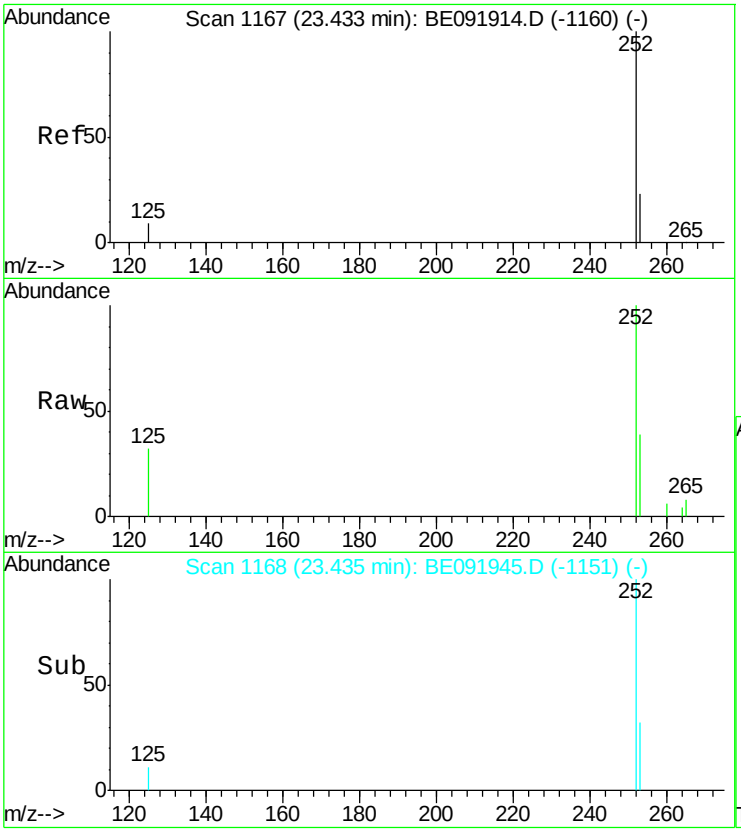


#40
Perylene-d12
Concen: 5.00 ng
RT: 24.18 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BE091945.D
Acq: 24 Jun 2016 14:12

Tgt Ion:264 Resp: 150463

Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.3	30.5
265	23.9	17.6	26.4



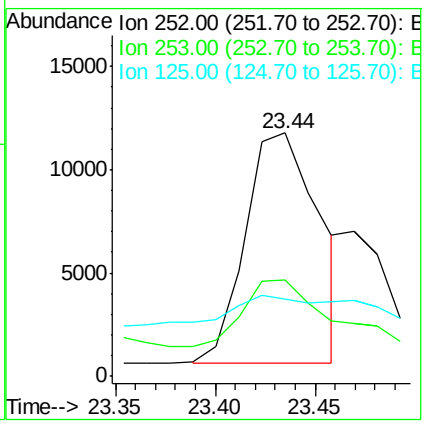


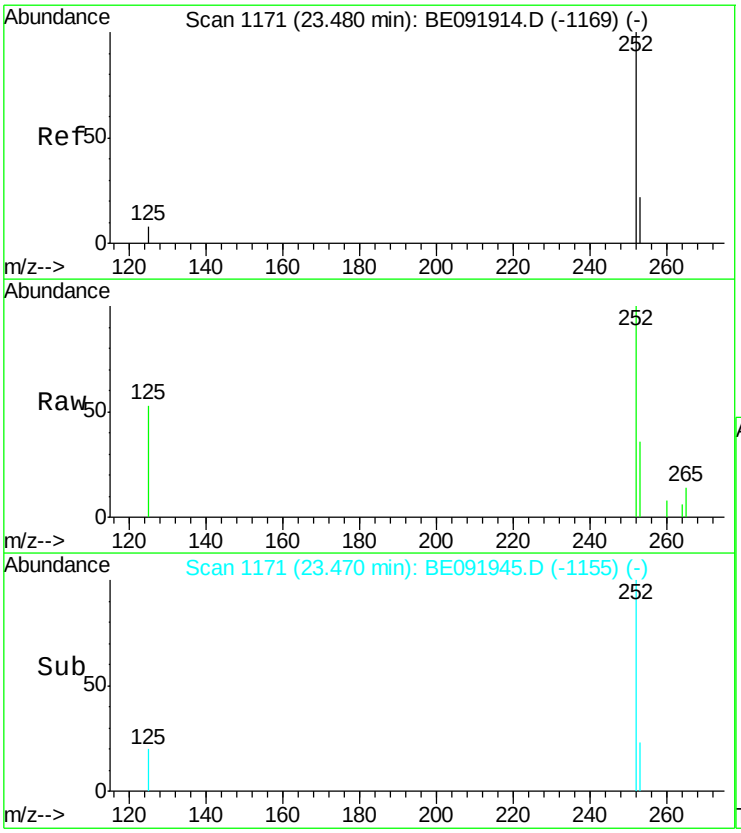
#41
Benzo(b)fluoranthene
Concen: 0.75 ng m
RT: 23.44 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BE091945.D
Acq: 24 Jun 2016 14:12

Instrument :
BNA_E
ClientSampleId :
NCHC-009

Tgt Ion:252 Resp: 28778

Ion	Ratio	Lower	Upper
252	100		
253	39.4	17.8	26.6#
125	31.8	9.4	14.2#

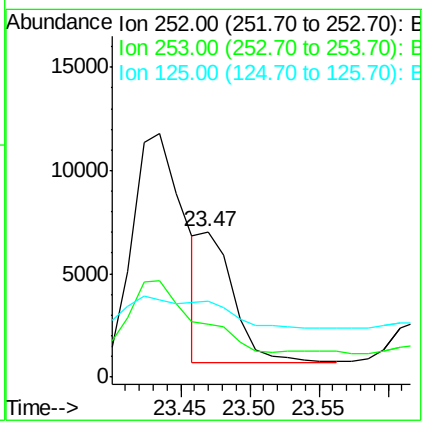


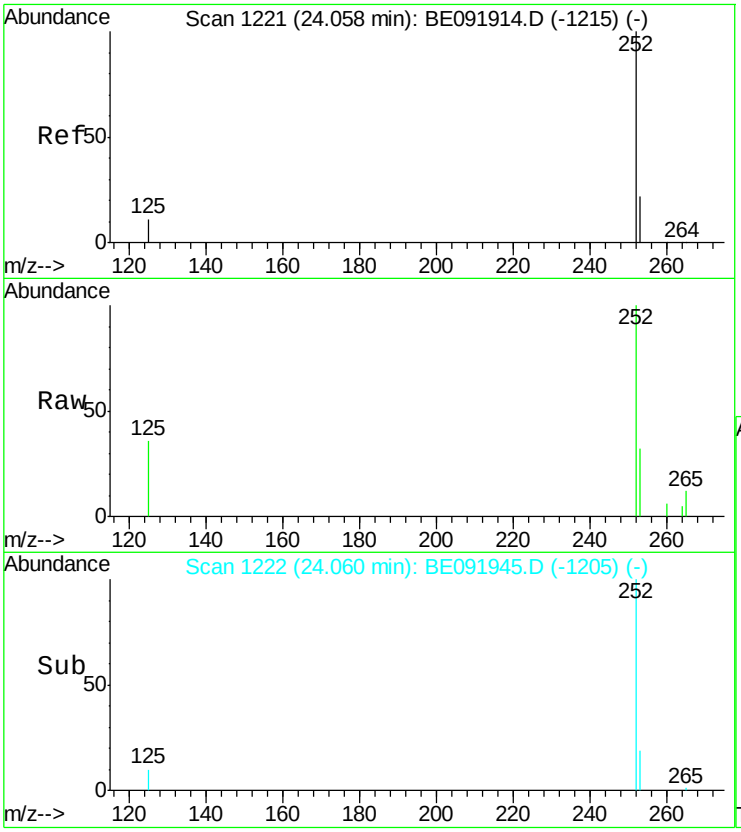


#42
Benzo(k)fluoranthene
Concen: 0.29 ng m
RT: 23.47 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BE091945.D
Acq: 24 Jun 2016 14:12

Tgt Ion:252 Resp: 10334

Ion	Ratio	Lower	Upper
252	100		
253	36.3	19.4	29.2#
125	52.6	8.3	12.5#



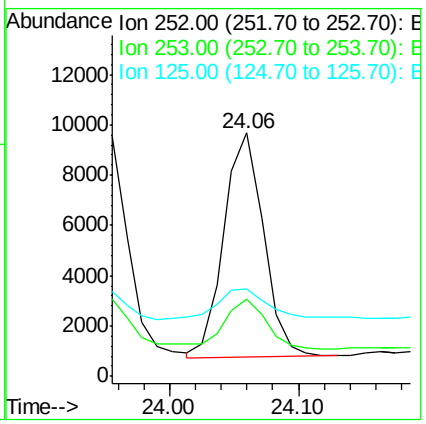


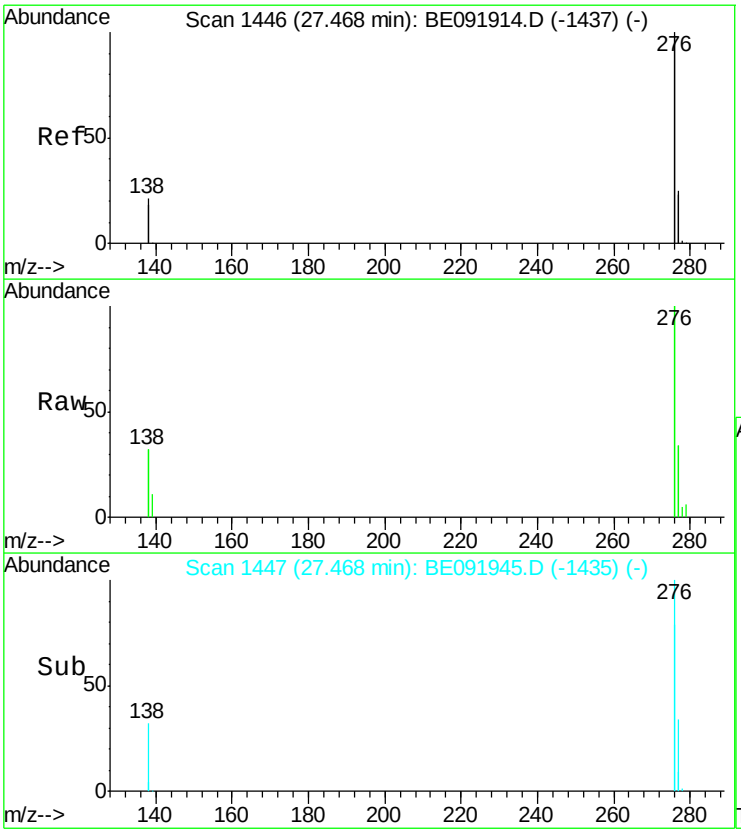
#43
Benzo(a)pyrene
Concen: 0.56 ng
RT: 24.06 min Scan# 1222
Delta R.T. 0.00 min
Lab File: BE091945.D
Acq: 24 Jun 2016 14:12

Instrument :
BNA_E
ClientSampleId :
NCHC-009

Tgt Ion:252 Resp: 19012

Ion	Ratio	Lower	Upper
252	100		
253	31.9	18.9	28.3#
125	35.7	10.5	15.7#





#45
Benzo(g,h,i)perylene
Concen: 0.48 ng
RT: 27.47 min Scan# 1447
Delta R.T. -0.00 min
Lab File: BE091945.D
Acq: 24 Jun 2016 14:12

Tgt Ion:276 Resp: 65538

Ion	Ratio	Lower	Upper
276	100		
277	33.7	19.5	29.3#
138	31.8	17.7	26.5#