Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080216\
Data File : BE092125.D
Acq On : 2 Aug 2016 23:56
Operator : UM/SJ
Sample : H4152-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : GW-16-7.0-15.0

Quant Time: Aug 03 03:55:00 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-PAH-BE080216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 02 16:59:37 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	11143	5.00	ng		0.00
6) Naphthalene-d8	10.99	136	49867	5.00	ng		0.00
10) Acenaphthene-d10	14.85	164	27468	5.00	ng		0.00
16) Phenanthrene-d10	17.56	188	62127	5.00	ng		-0.02
22) Chrysene-d12	21.75	240	78929	5.00	ng		0.00
28) Perylene-d12	24.14	264	82665	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.69	112	13731	4.80	ng		0.00
5) Phenol-d6	7.34	99	11793	3.09	ng		-0.01
7) Nitrobenzene-d5	9.34	82	15191	3.86	ng		-0.01
11) 2,4,6-Tribromophenol	16.33	330	8960	10.05	ng		0.00
12) 2-Fluorobiphenyl	13.46	172	34488	3.96	ng		0.00
24) Terphenyl-d14	20.19	244	53057	4.68	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.44	88	54	0.04	ng	#	20
3) n-Nitrosodimethylamine	3.72	42	70	0.12	ng	#	1
8) Naphthalene	11.03	128	6893	0.63	ng		97
9) 2-Methylnaphthalene	12.65	142	2822	0.41	ng		95
14) Acenaphthene	14.90	154	6352	0.82	ng	#	97
15) Fluorene	15.88	166	4944	0.50	ng		100
18) Pentachlorophenol	17.24	266	25	0.21	ng	#	83
19) Phenanthrene	17.61	178	22810	1.32	ng		100
20) Anthracene	17.61	178	22748	1.38	ng		99
21) Fluoranthene	19.63	202	15533	0.20	ng		99
23) Pyrene	19.99	202	14069	0.17	ng	#	86
25) Benzo(a)anthracene	21.72	228	4063	0.05	ng	#	70
26) Chrysene	21.72	228	4061	0.05	ng	#	73
30) Benzo(k)fluoranthene	23.46	252	178	Below Cal		#	1

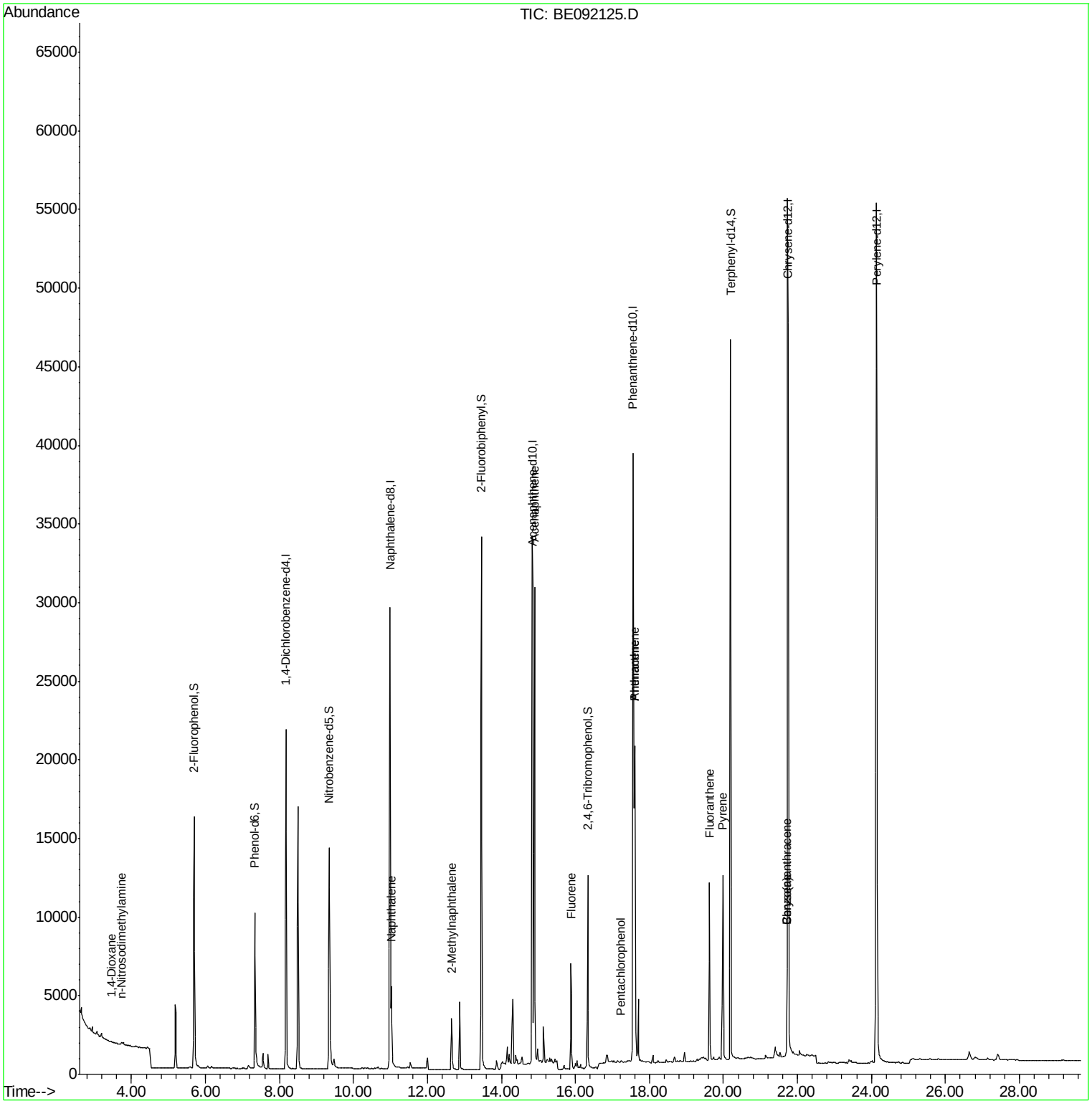
(#) = qualifier out of range (m) = manual integration (+) = signals summed

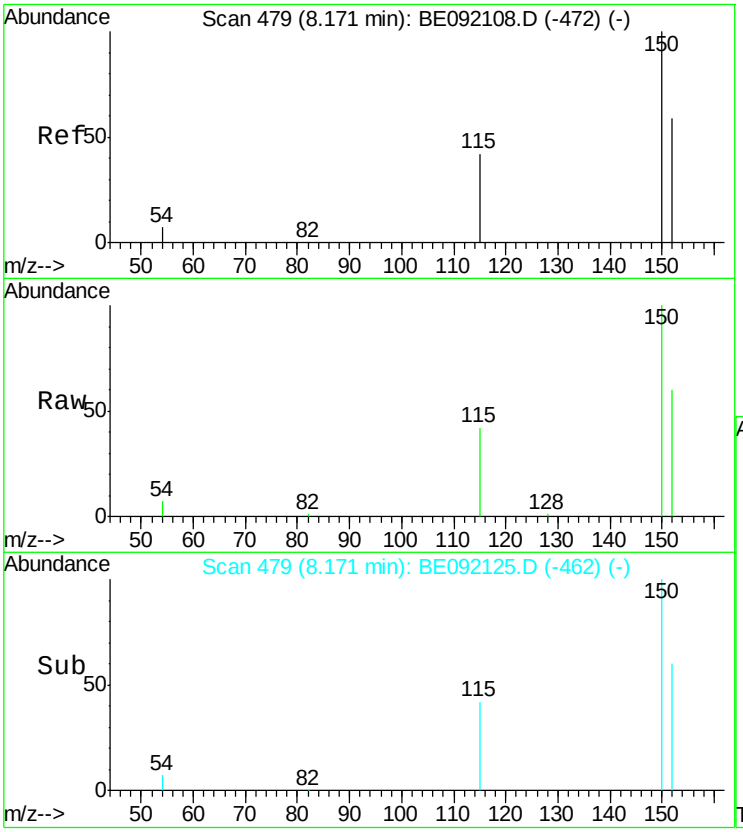
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080216\
Data File : BE092125.D
Acq On : 2 Aug 2016 23:56
Operator : UM/SJ
Sample : H4152-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
GW-16-7.0-15.0

Quant Time: Aug 03 03:55:00 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-PAH-BE080216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 02 16:59:37 2016
Response via : Initial Calibration



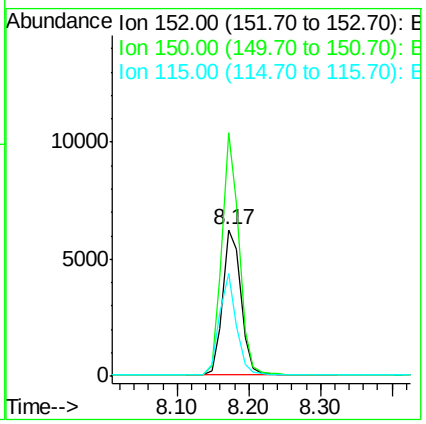


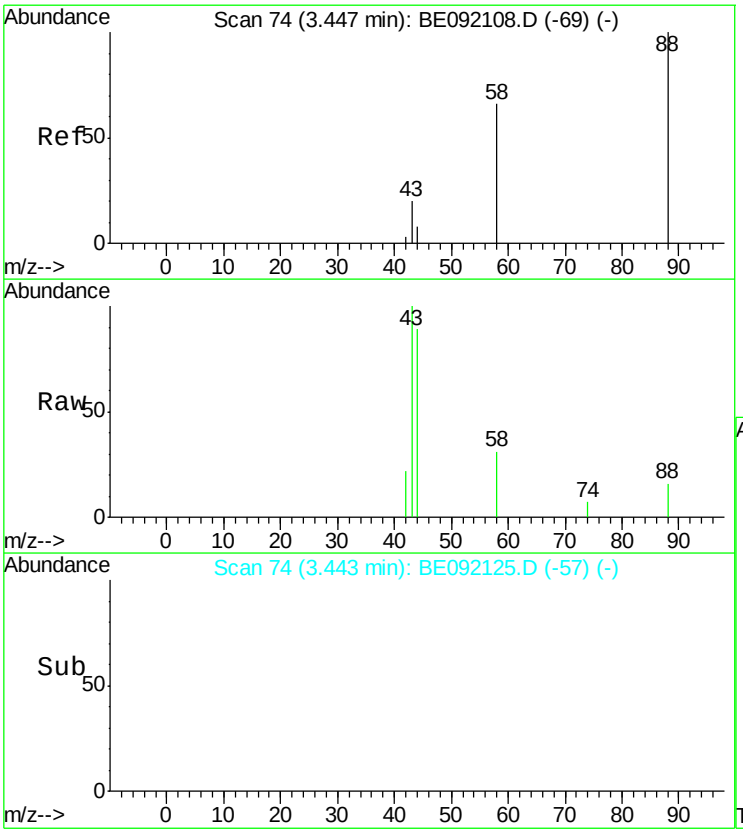
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.17 min Scan# 479
Delta R.T. 0.00 min
Lab File: BE092125.D
Acq: 2 Aug 2016 23:56

Instrument :
BNA_E
ClientSampleId :
GW-16-7.0-15.0

Tgt Ion:152 Resp: 11143

Ion	Ratio	Lower	Upper
152	100		
150	166.3	106.0	159.0#
115	70.0	36.9	55.3#

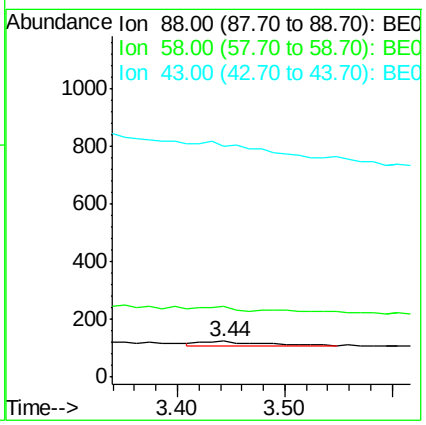


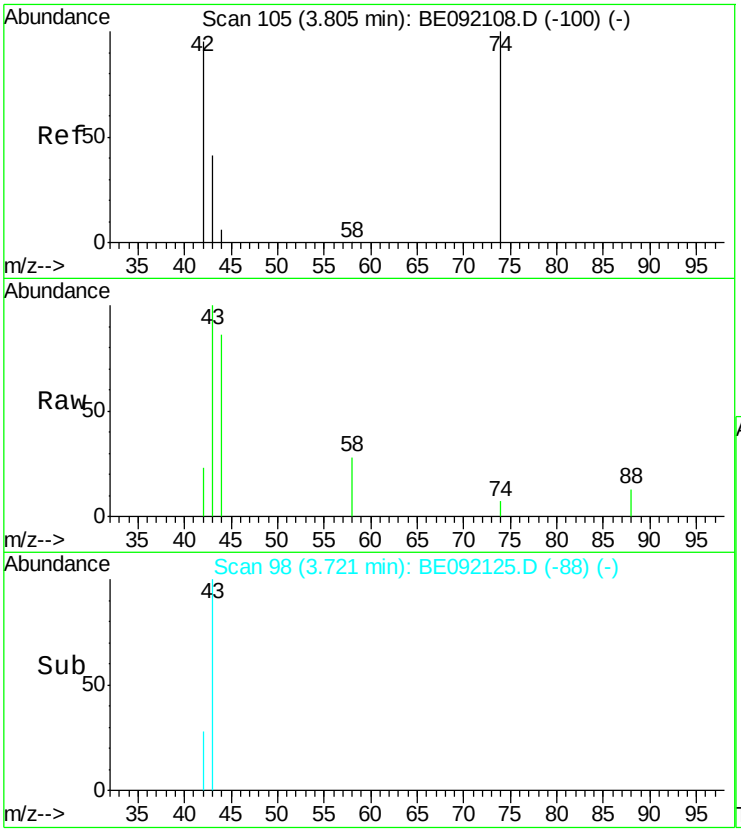


#2
1,4-Dioxane
Concen: 0.04 ng
RT: 3.44 min Scan# 74
Delta R.T. -0.00 min
Lab File: BE092125.D
Acq: 2 Aug 2016 23:56

Tgt Ion: 88 Resp: 54

Ion	Ratio	Lower	Upper
88	100		
58	0.0	62.1	93.1#
43	0.0	27.2	40.8#



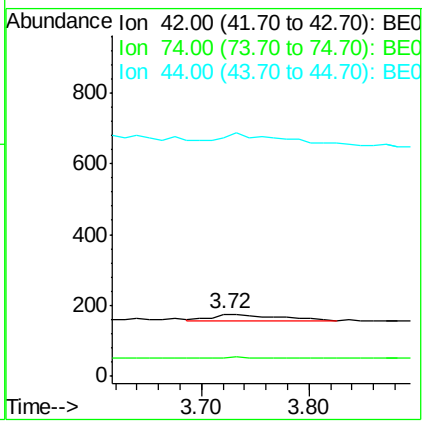


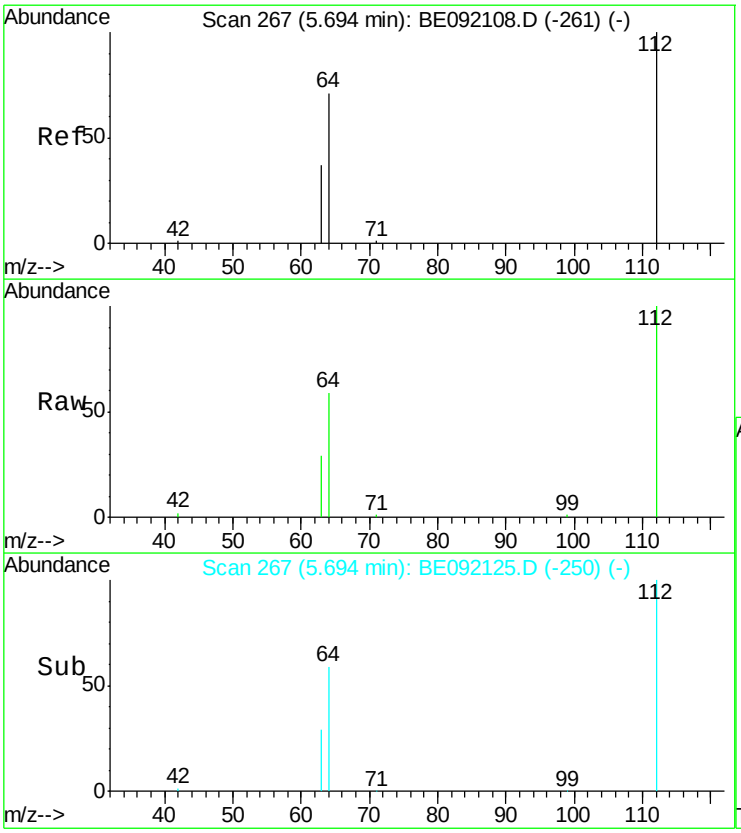
#3
n-Nitrosodimethylamine
Concen: 0.12 ng
RT: 3.72 min Scan# 98
Delta R.T. -0.08 min
Lab File: BE092125.D
Acq: 2 Aug 2016 23:56

Instrument :
BNA_E
ClientSampleId :
GW-16-7.0-15.0

Tgt Ion: 42 Resp: 70

Ion	Ratio	Lower	Upper
42	100		
74	8.6	82.8	124.2#
44	577.1	9.0	13.4#

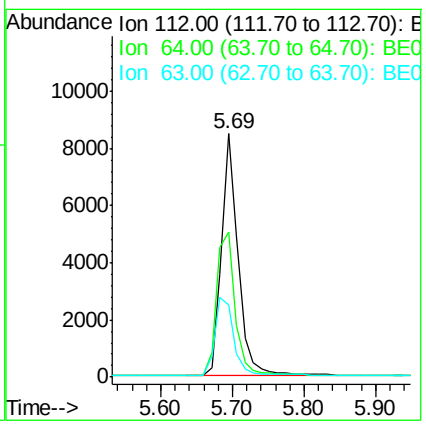


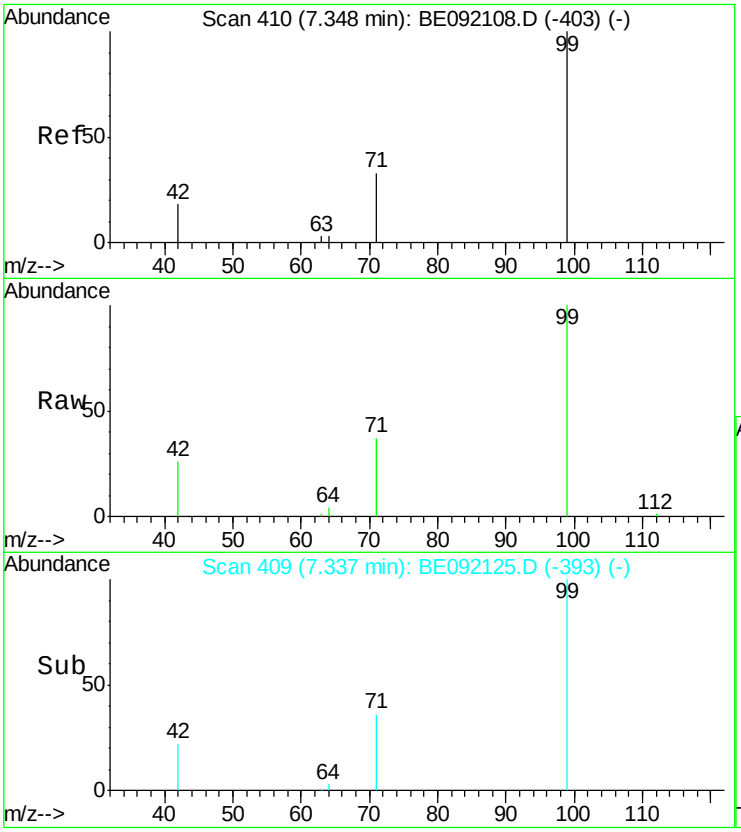


#4
2-Fluorophenol
Concen: 4.80 ng
RT: 5.69 min Scan# 267
Delta R.T. -0.00 min
Lab File: BE092125.D
Acq: 2 Aug 2016 23:56

Tgt Ion:112 Resp: 13731

Ion	Ratio	Lower	Upper
112	100		
64	66.8	55.9	83.9
63	36.0	31.1	46.7



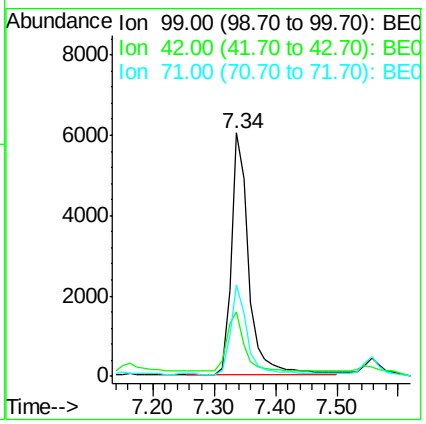


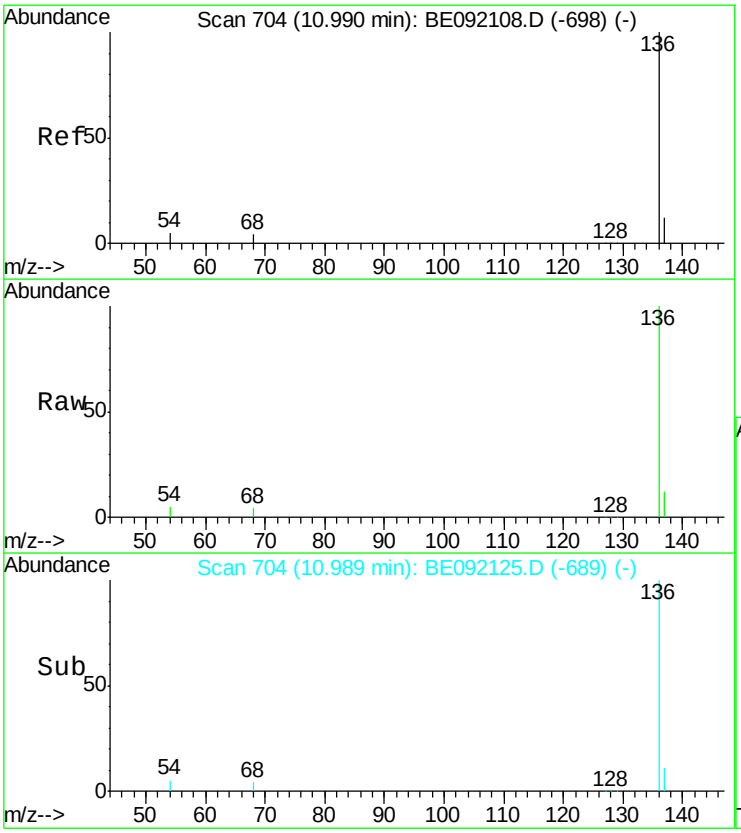
#5
Phenol-d6
Concen: 3.09 ng
RT: 7.34 min Scan# 409
Delta R.T. -0.01 min
Lab File: BE092125.D
Acq: 2 Aug 2016 23:56

Instrument :
BNA_E
ClientSampleId :
GW-16-7.0-15.0

Tgt Ion: 99 Resp: 11793

Ion	Ratio	Lower	Upper
99	100		
42	24.2	22.4	33.6
71	35.2	28.9	43.3

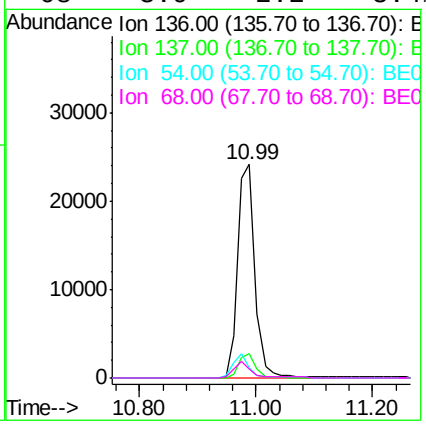


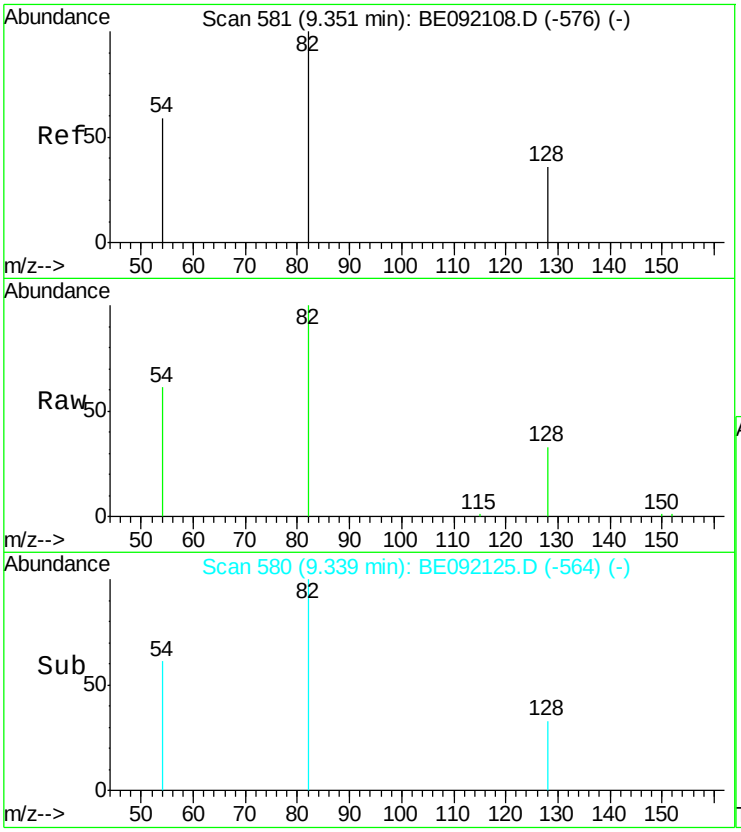


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.99 min Scan# 704
Delta R.T. -0.00 min
Lab File: BE092125.D
Acq: 2 Aug 2016 23:56

Tgt Ion:136 Resp: 49867

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.1	13.7
54	5.0	2.7	4.1#
68	3.9	2.2	3.4#



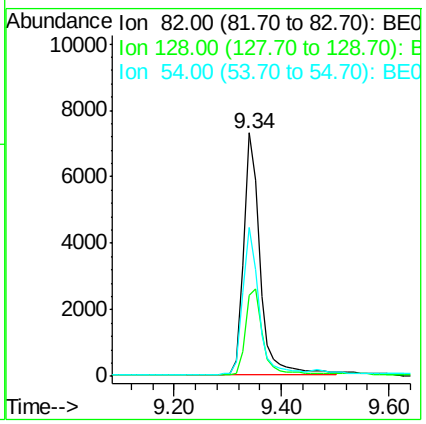


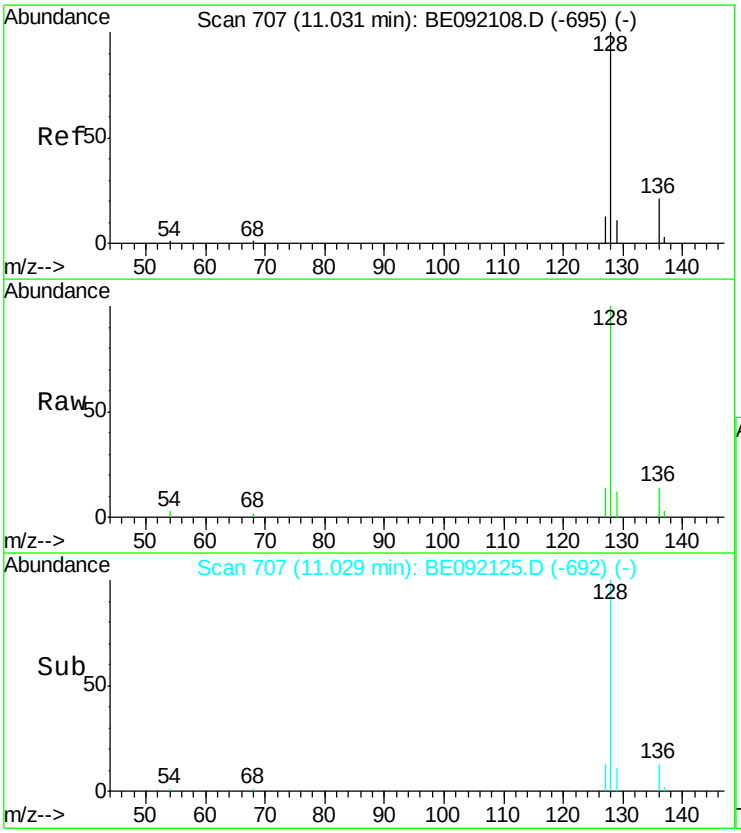
#7
Nitrobenzene-d5
Concen: 3.86 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092125.D
Acq: 2 Aug 2016 23:56

Instrument :
BNA_E
ClientSampleId :
GW-16-7.0-15.0

Tgt Ion: 82 Resp: 15191

Ion	Ratio	Lower	Upper
82	100		
128	33.2	33.0	49.4
54	61.2	42.6	63.8

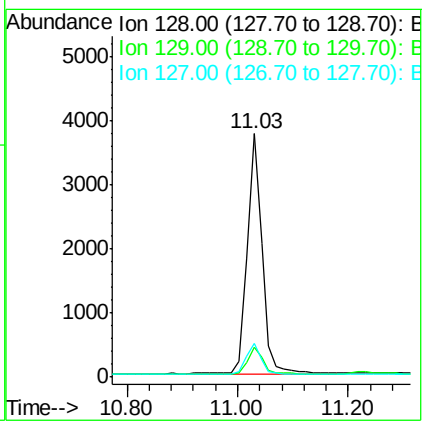


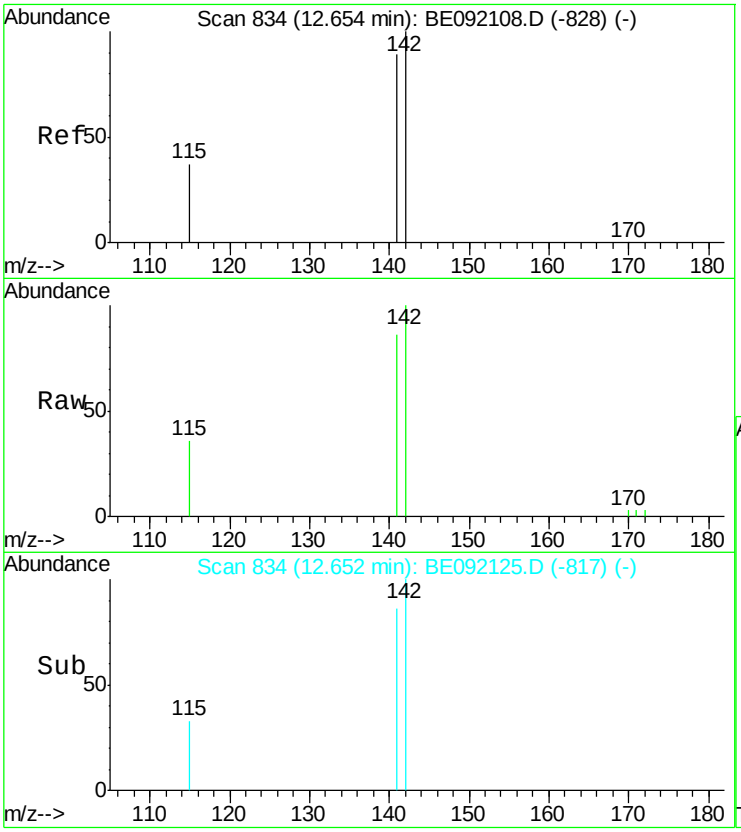


#8
Naphthalene
Concen: 0.63 ng
RT: 11.03 min Scan# 707
Delta R.T. -0.00 min
Lab File: BE092125.D
Acq: 2 Aug 2016 23:56

Tgt Ion:128 Resp: 6893

Ion	Ratio	Lower	Upper
128	100		
129	12.0	11.1	16.7
127	13.8	11.3	16.9



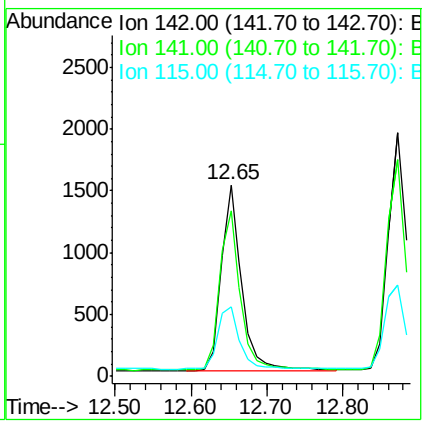


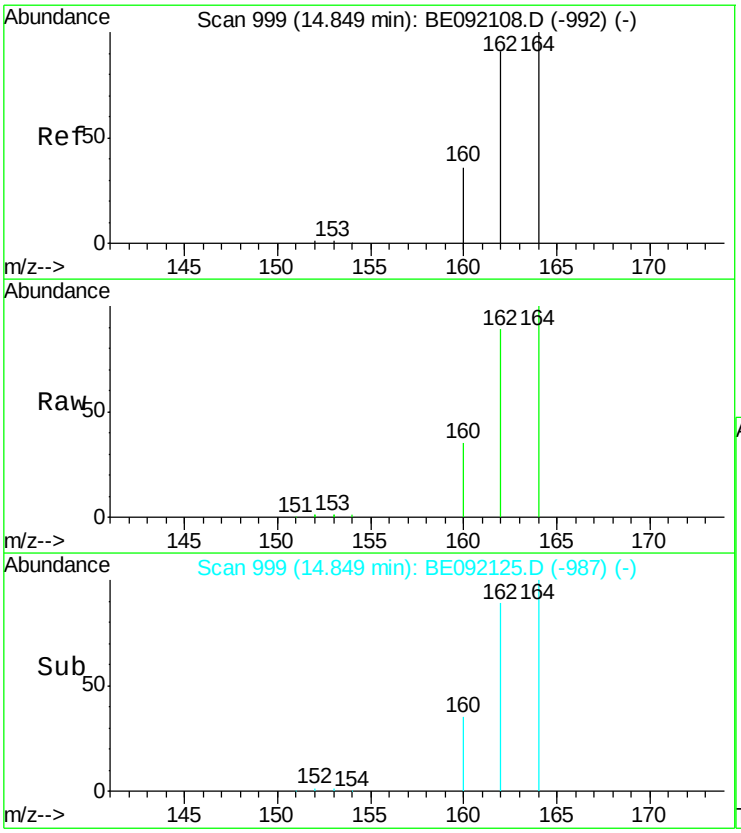
#9
2-Methylnaphthalene
Concen: 0.41 ng
RT: 12.65 min Scan# 834
Delta R.T. -0.00 min
Lab File: BE092125.D
Acq: 2 Aug 2016 23:56

Instrument :
BNA_E
ClientSampleId :
GW-16-7.0-15.0

Tgt Ion:142 Resp: 2822

Ion	Ratio	Lower	Upper
142	100		
141	86.2	65.1	97.7
115	36.4	27.0	40.4

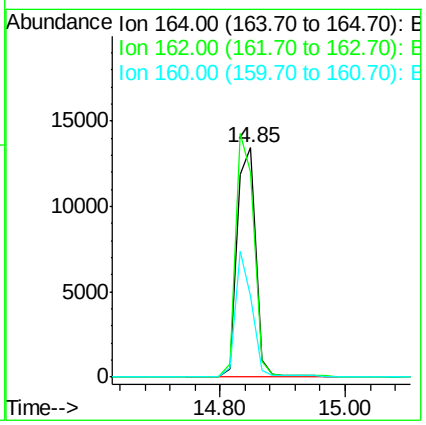


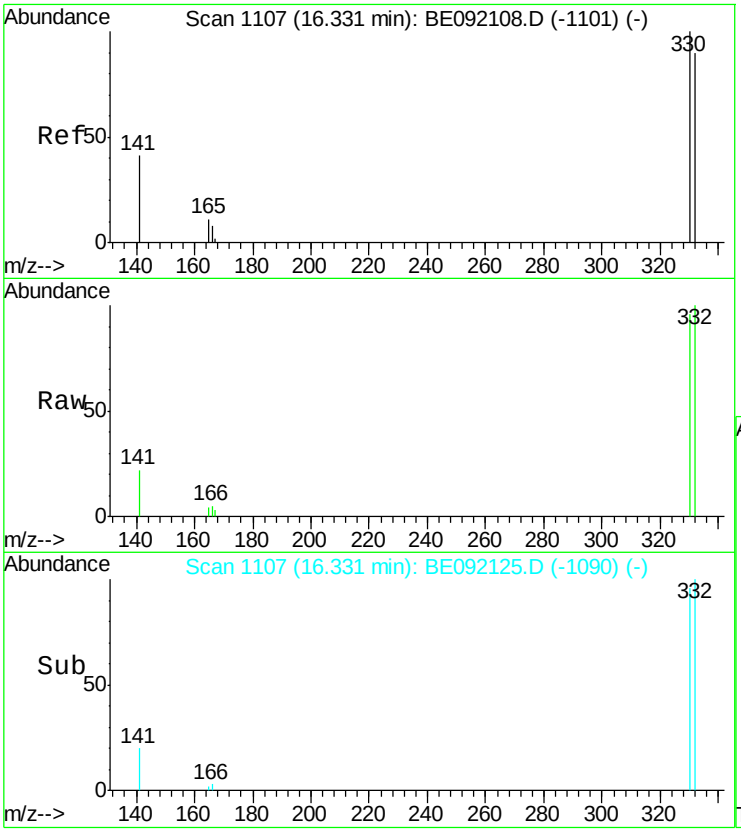


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.85 min Scan# 999
Delta R.T. -0.00 min
Lab File: BE092125.D
Acq: 2 Aug 2016 23:56

Tgt Ion:164 Resp: 27468

Ion	Ratio	Lower	Upper
164	100		
162	89.2	69.5	104.3
160	35.3	27.6	41.4



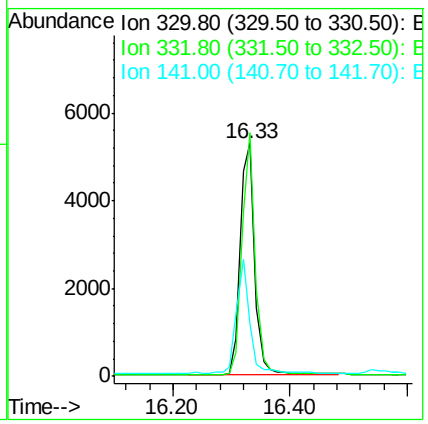


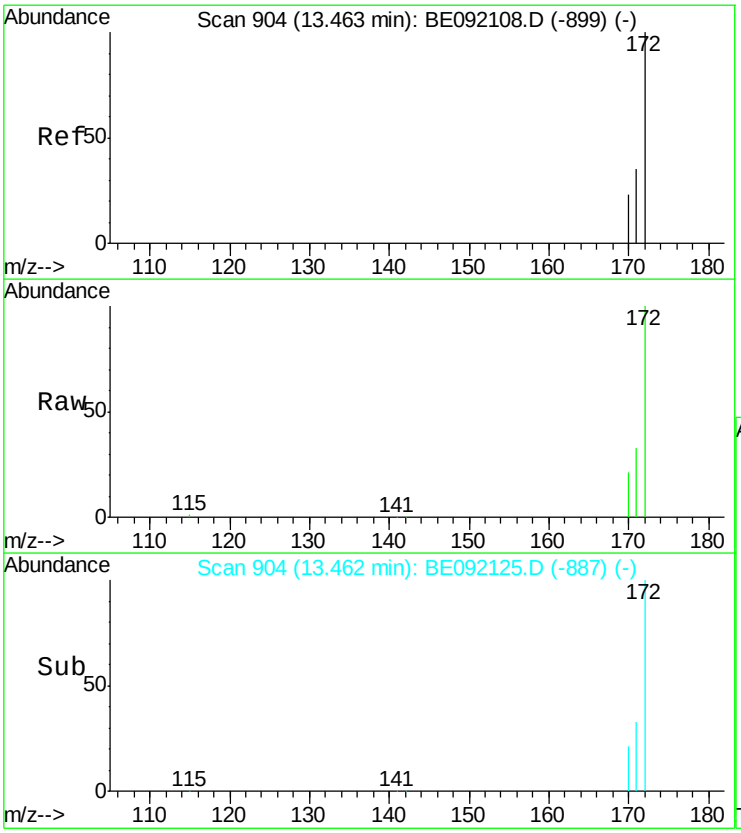
#11
2,4,6-Tribromophenol
Concen: 10.05 ng
RT: 16.33 min Scan# 1107
Delta R.T. 0.00 min
Lab File: BE092125.D
Acq: 2 Aug 2016 23:56

Instrument :
BNA_E
ClientSampleId :
GW-16-7.0-15.0

Tgt Ion:330 Resp: 8960

Ion	Ratio	Lower	Upper
330	100		
332	95.9	74.2	111.4
141	45.4	139.8	209.8#

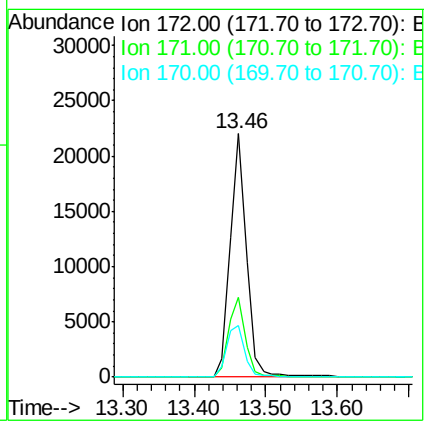


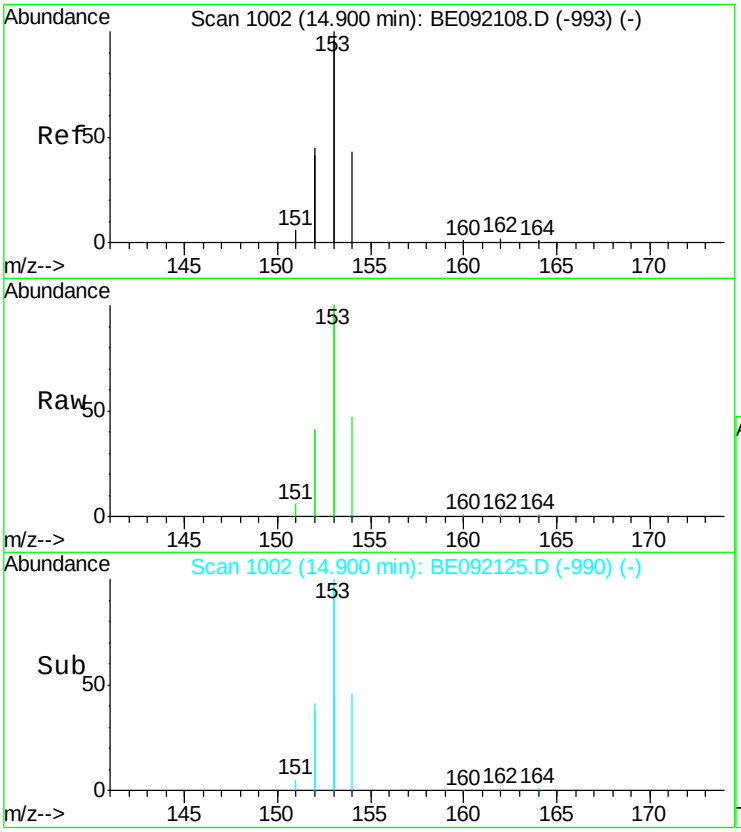


#12
2-Fluorobiphenyl
Concen: 3.96 ng
RT: 13.46 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE092125.D
Acq: 2 Aug 2016 23:56

Tgt Ion:172 Resp: 34488

Ion	Ratio	Lower	Upper
172	100		
171	32.8	30.3	45.5
170	21.2	21.6	32.4#



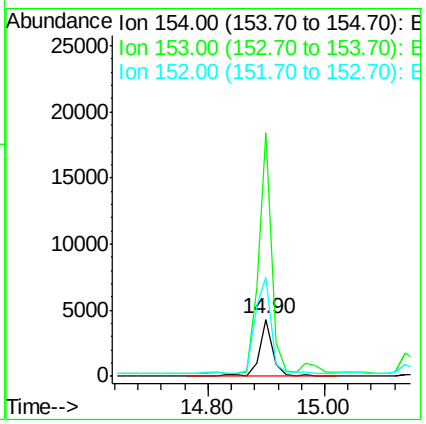


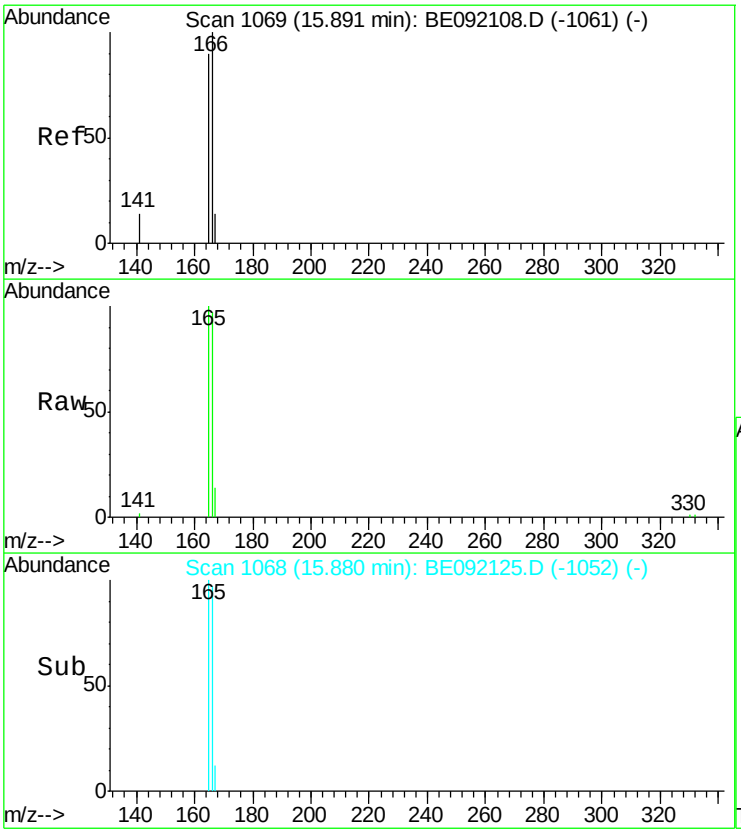
#14
Acenaphthene
Concen: 0.82 ng
RT: 14.90 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE092125.D
Acq: 2 Aug 2016 23:56

Instrument :
BNA_E
ClientSampleId :
GW-16-7.0-15.0

Tgt Ion:154 Resp: 6352

Ion	Ratio	Lower	Upper
154	100		
153	439.6	345.1	517.7
152	218.3	0.0	0.0#

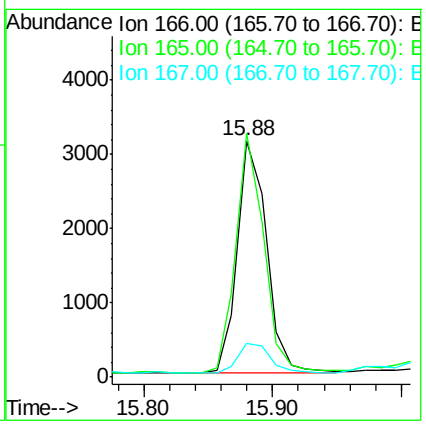


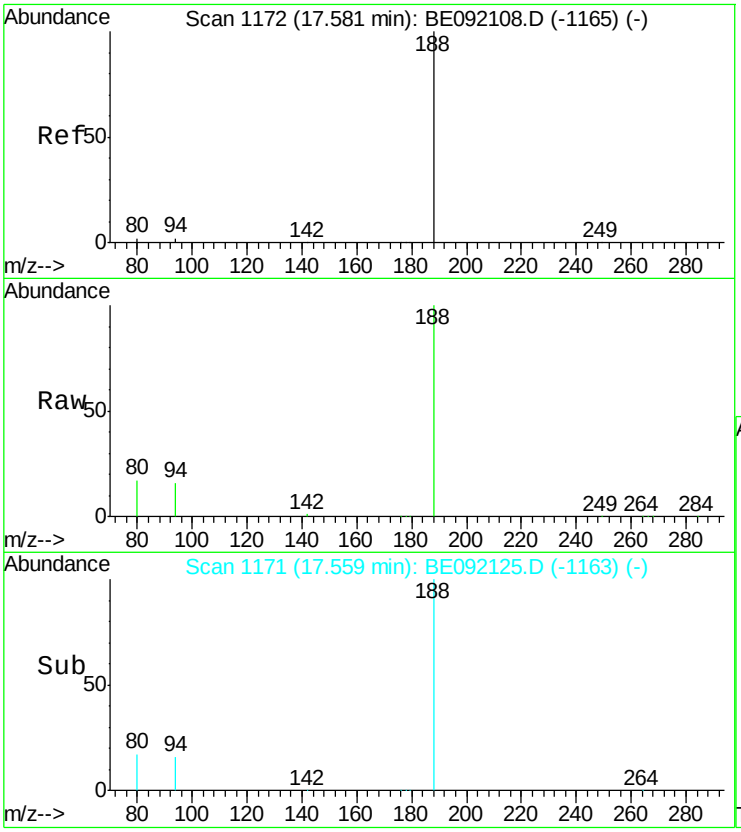


#15
Fluorene
Concen: 0.50 ng
RT: 15.88 min Scan# 1068
Delta R.T. -0.01 min
Lab File: BE092125.D
Acq: 2 Aug 2016 23:56

Tgt Ion:166 Resp: 4944

Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.6	118.0
167	14.8	11.1	16.7



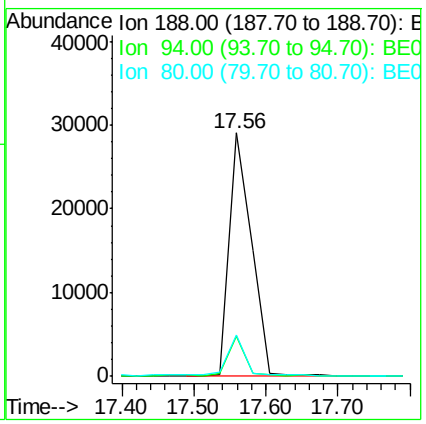


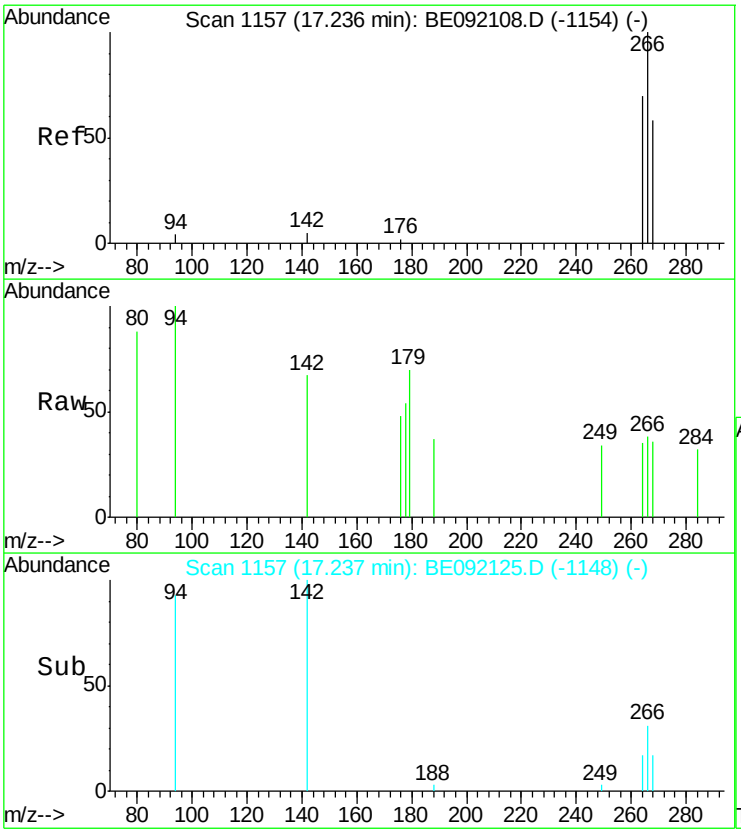
#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092125.D
Acq: 2 Aug 2016 23:56

Instrument :
BNA_E
ClientSampleId :
GW-16-7.0-15.0

Tgt Ion:188 Resp: 62127

Ion	Ratio	Lower	Upper
188	100		
94	16.4	3.9	5.9#
80	17.1	3.4	5.0#

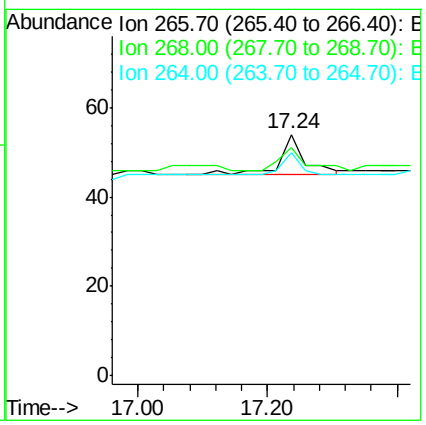


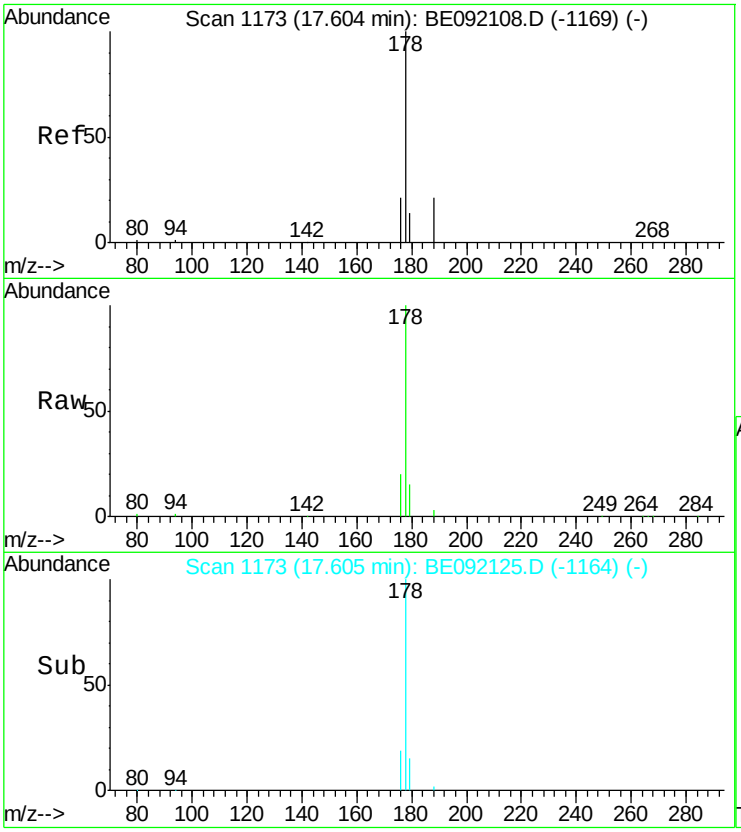


#18
Pentachlorophenol
Concen: 0.21 ng
RT: 17.24 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BE092125.D
Acq: 2 Aug 2016 23:56

Tgt Ion:266 Resp: 25

Ion	Ratio	Lower	Upper
266	100		
268	94.4	62.7	94.1#
264	92.6	63.5	95.3



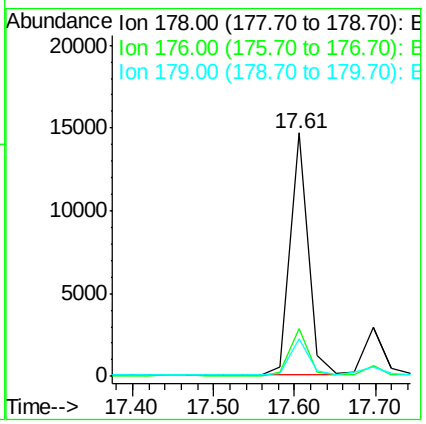


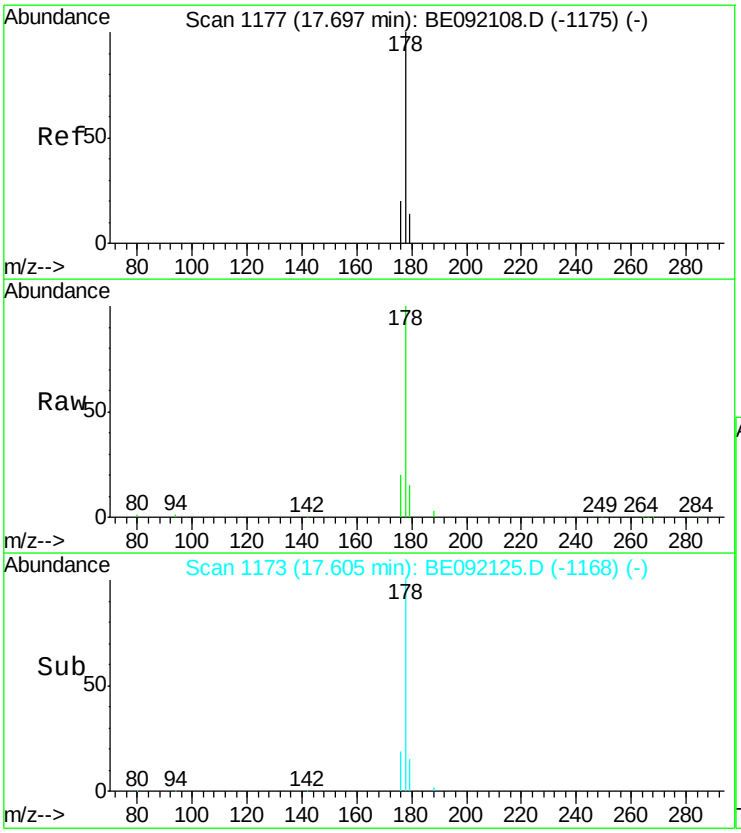
#19
Phenanthrene
Concen: 1.32 ng
RT: 17.61 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BE092125.D
Acq: 2 Aug 2016 23:56

Instrument :
BNA_E
ClientSampleId :
GW-16-7.0-15.0

Tgt Ion:178 Resp: 22810

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.6	12.7	19.1

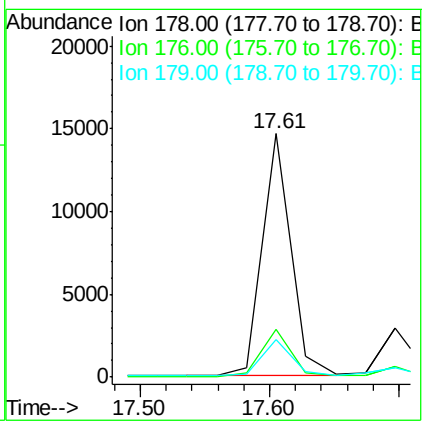


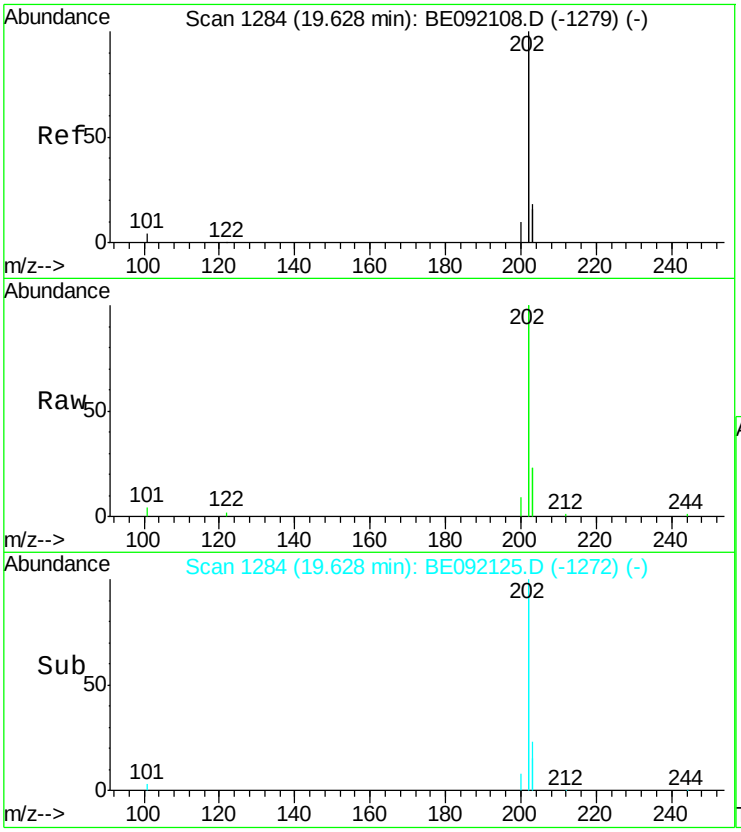


#20
Anthracene
Concen: 1.38 ng
RT: 17.61 min Scan# 1173
Delta R.T. -0.09 min
Lab File: BE092125.D
Acq: 2 Aug 2016 23:56

Tgt Ion:178 Resp: 22748

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.2	22.8
179	15.7	12.2	18.4



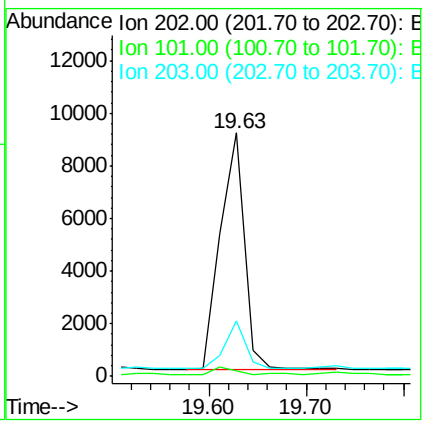


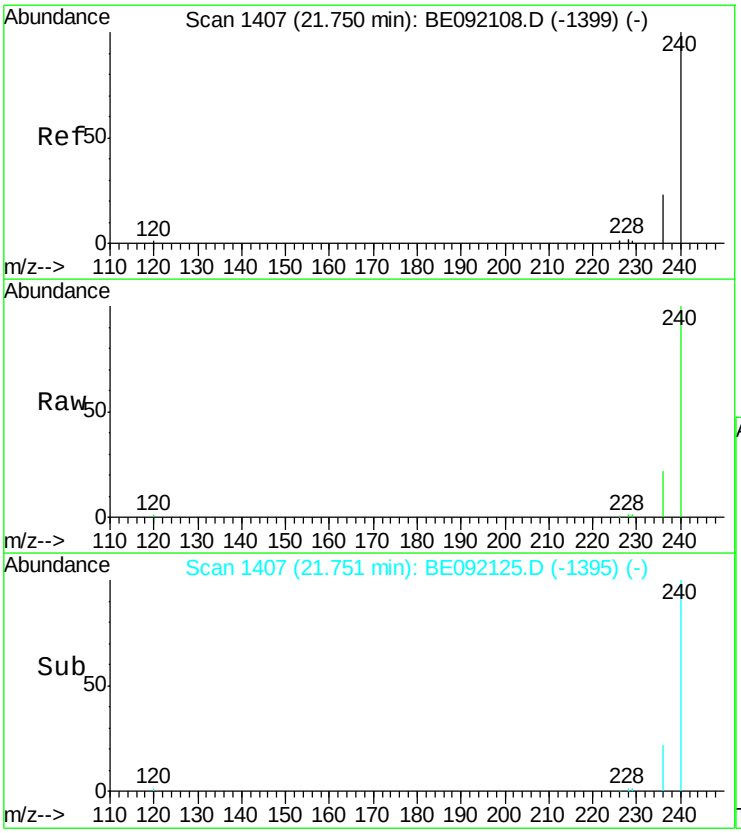
#21
Fluoranthene
Concen: 0.20 ng
RT: 19.63 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BE092125.D
Acq: 2 Aug 2016 23:56

Instrument :
BNA_E
ClientSampleId :
GW-16-7.0-15.0

Tgt Ion:202 Resp: 15533

Ion	Ratio	Lower	Upper
202	100		
101	3.2	2.2	3.2
203	16.8	13.0	19.4

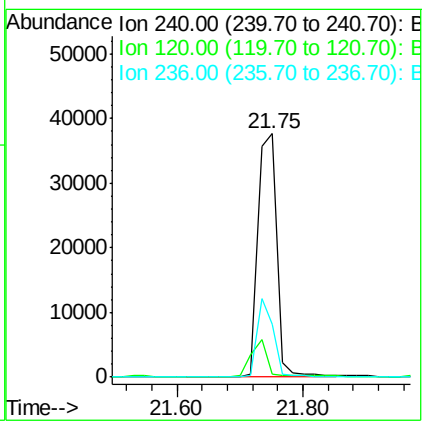


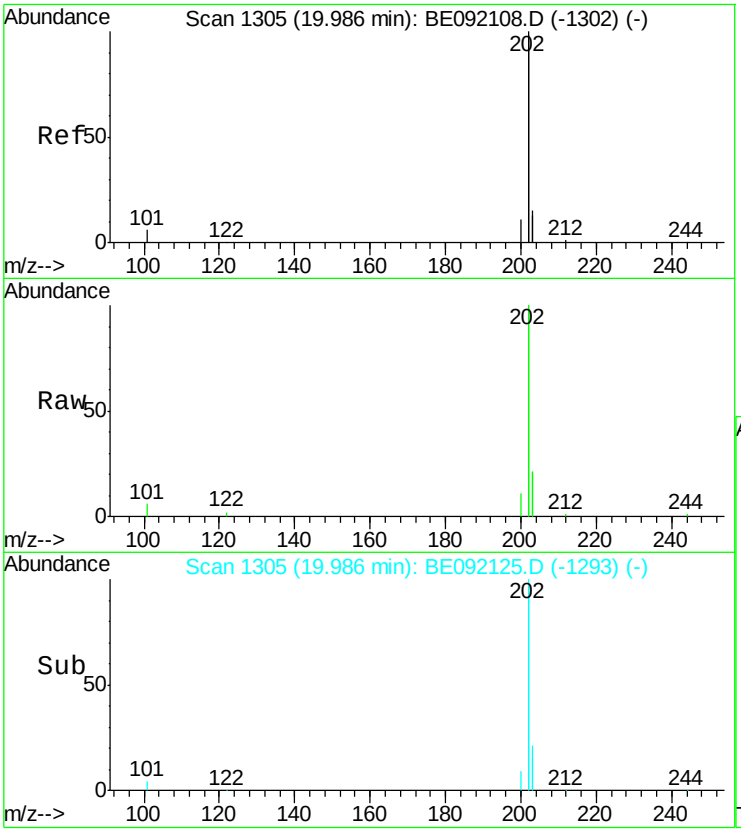


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1407
Delta R.T. 0.00 min
Lab File: BE092125.D
Acq: 2 Aug 2016 23:56

Tgt Ion:240 Resp: 78929

Ion	Ratio	Lower	Upper
240	100		
120	1.3	0.6	1.0#
236	21.7	18.2	27.4



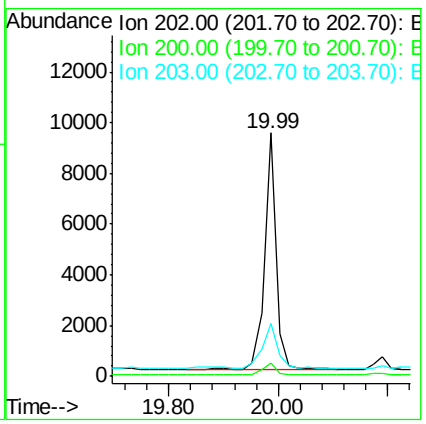


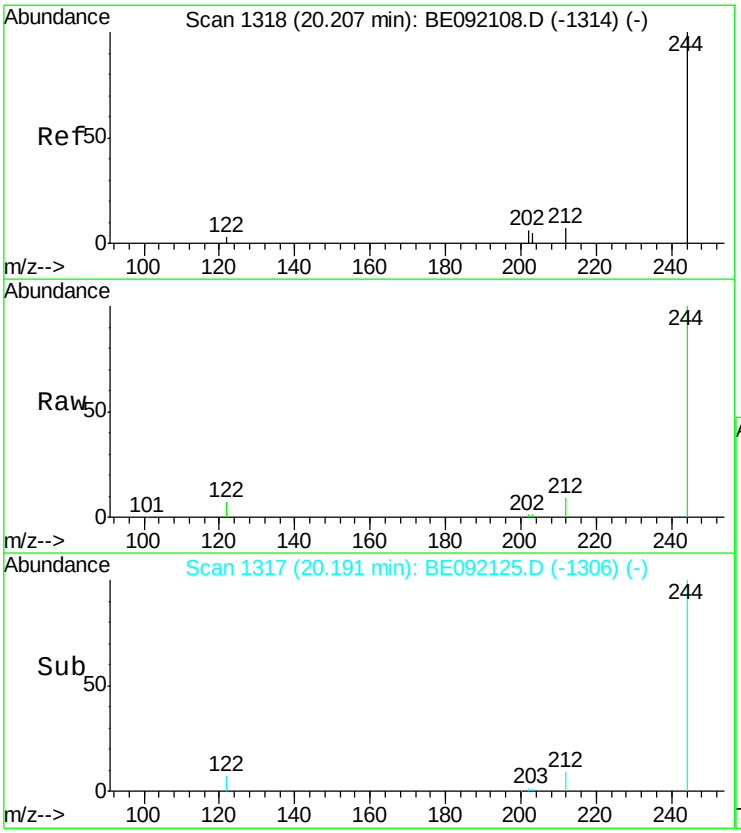
#23
Pyrene
Concen: 0.17 ng
RT: 19.99 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BE092125.D
Acq: 2 Aug 2016 23:56

Instrument :
BNA_E
ClientSampleId :
GW-16-7.0-15.0

Tgt Ion:202 Resp: 14069

Ion	Ratio	Lower	Upper
202	100		
200	5.2	4.4	6.6
203	24.8	13.4	20.0#

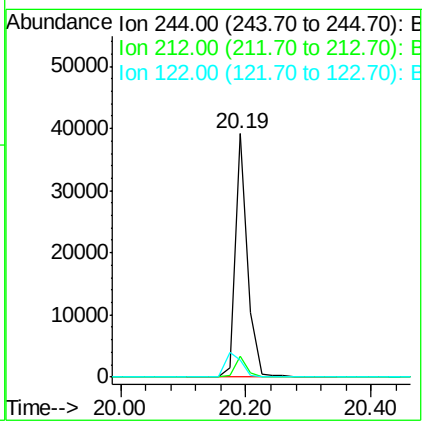


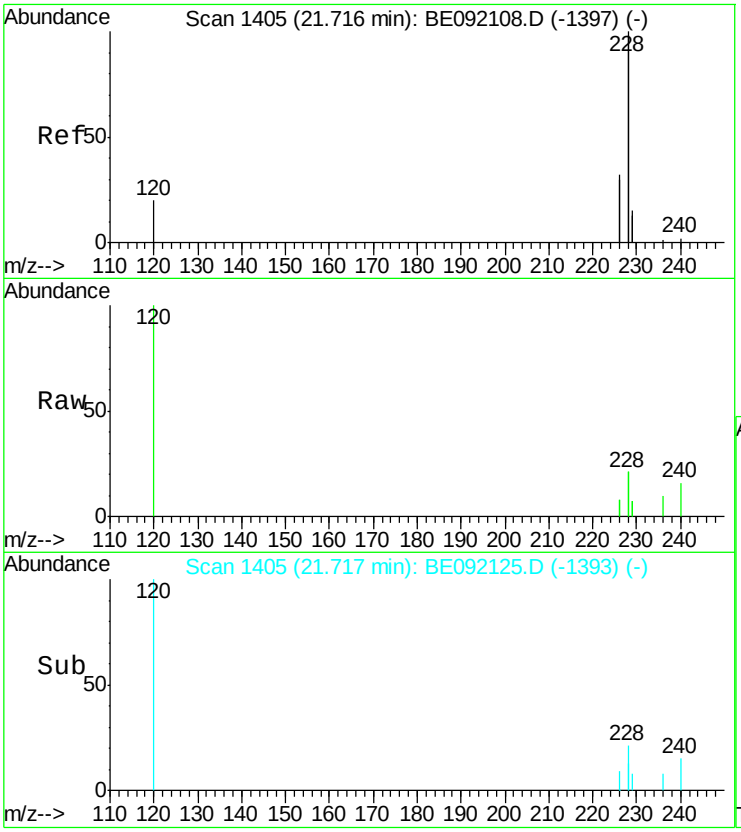


#24
Terphenyl-d14
Concen: 4.68 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092125.D
Acq: 2 Aug 2016 23:56

Tgt Ion:244 Resp: 53057

Ion	Ratio	Lower	Upper
244	100		
212	8.8	9.1	13.7#
122	7.0	11.0	16.4#



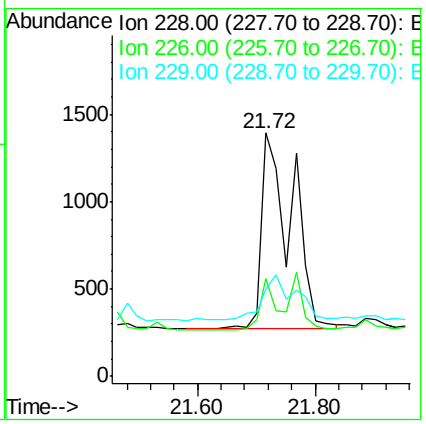


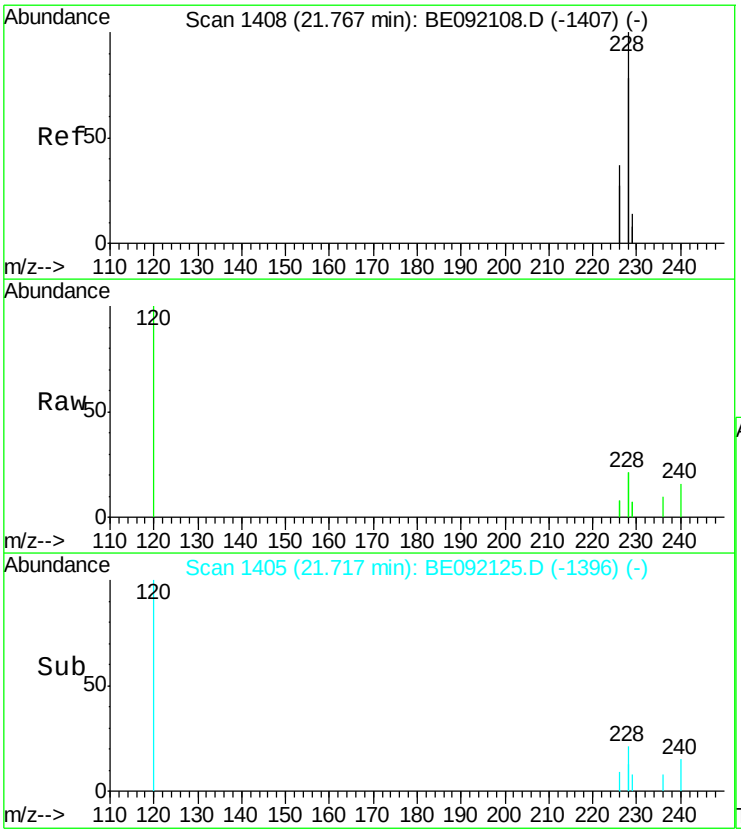
#25
Benzo(a)anthracene
Concen: 0.05 ng
RT: 21.72 min Scan# 1405
Delta R.T. 0.00 min
Lab File: BE092125.D
Acq: 2 Aug 2016 23:56

Instrument :
BNA_E
ClientSampleId :
GW-16-7.0-15.0

Tgt Ion:228 Resp: 4063

Ion	Ratio	Lower	Upper
228	100		
226	39.9	22.1	33.1#
229	36.2	15.1	22.7#

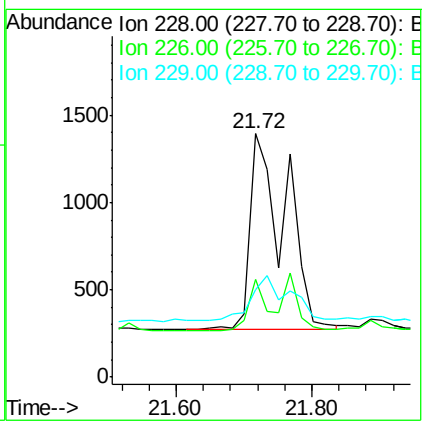


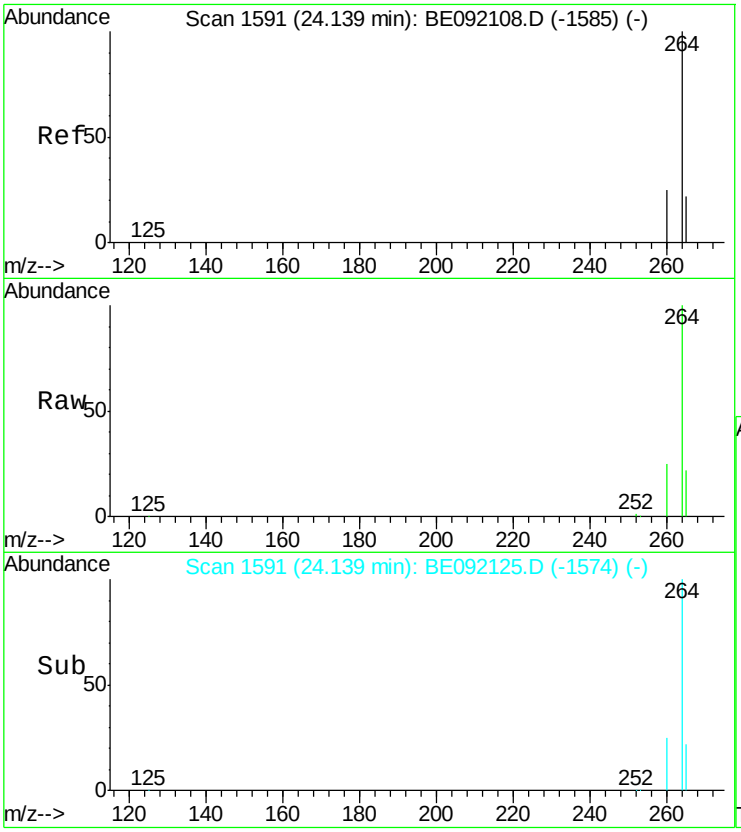


#26
Chrysene
Concen: 0.05 ng
RT: 21.72 min Scan# 1405
Delta R.T. -0.05 min
Lab File: BE092125.D
Acq: 2 Aug 2016 23:56

Tgt Ion:228 Resp: 4061

Ion	Ratio	Lower	Upper
228	100		
226	39.9	22.3	33.5#
229	36.2	16.9	25.3#





#28
Perylene-d12
Concen: 5.00 ng
RT: 24.14 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BE092125.D
Acq: 2 Aug 2016 23:56

Instrument :
BNA_E
ClientSampleId :
GW-16-7.0-15.0

Tgt Ion:264 Resp: 82665

Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.8	31.2
265	22.2	16.6	25.0