Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080216\
Data File : BE092130.D
Acq On : 3 Aug 2016 3:04
Operator : UM/SJ
Sample : H4152-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : GW-21-10.0-15.0

Quant Time: Aug 03 03:55:51 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	10376	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	46640	5.00	ng	-0.01
10) Acenaphthene-d10	14.85	164	26429	5.00	ng	0.00
16) Phenanthrene-d10	17.56	188	59571	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	79220	5.00	ng	0.00
28) Perylene-d12	24.14	264	80045	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	8622	3.24	ng	0.00
5) Phenol-d6	7.34	99	7685	2.16	ng	-0.01
7) Nitrobenzene-d5	9.34	82	12627	3.43	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	5732	6.68	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	29555	3.53	ng	0.00
24) Terphenyl-d14	20.19	244	45129	3.97	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.44	88	38	0.03	ng	# 1
3) n-Nitrosodimethylamine	3.72	42	53	0.12	ng	# 1
8) Naphthalene	11.03	128	74	Below Cal		# 1
18) Pentachlorophenol	17.24	266	11	0.20	ng	# 75
19) Phenanthrene	17.60	178	423	Below Cal		# 81
21) Fluoranthene	19.63	202	2942	0.04	ng	# 75
23) Pyrene	19.99	202	3259	0.04	ng	# 91
25) Benzo(a)anthracene	21.72	228	4318	0.05	ng	# 58
26) Chrysene	21.72	228	4288	0.05	ng	# 61
29) Benzo(b)fluoranthene	23.40	252	786	0.04	ng	# 1

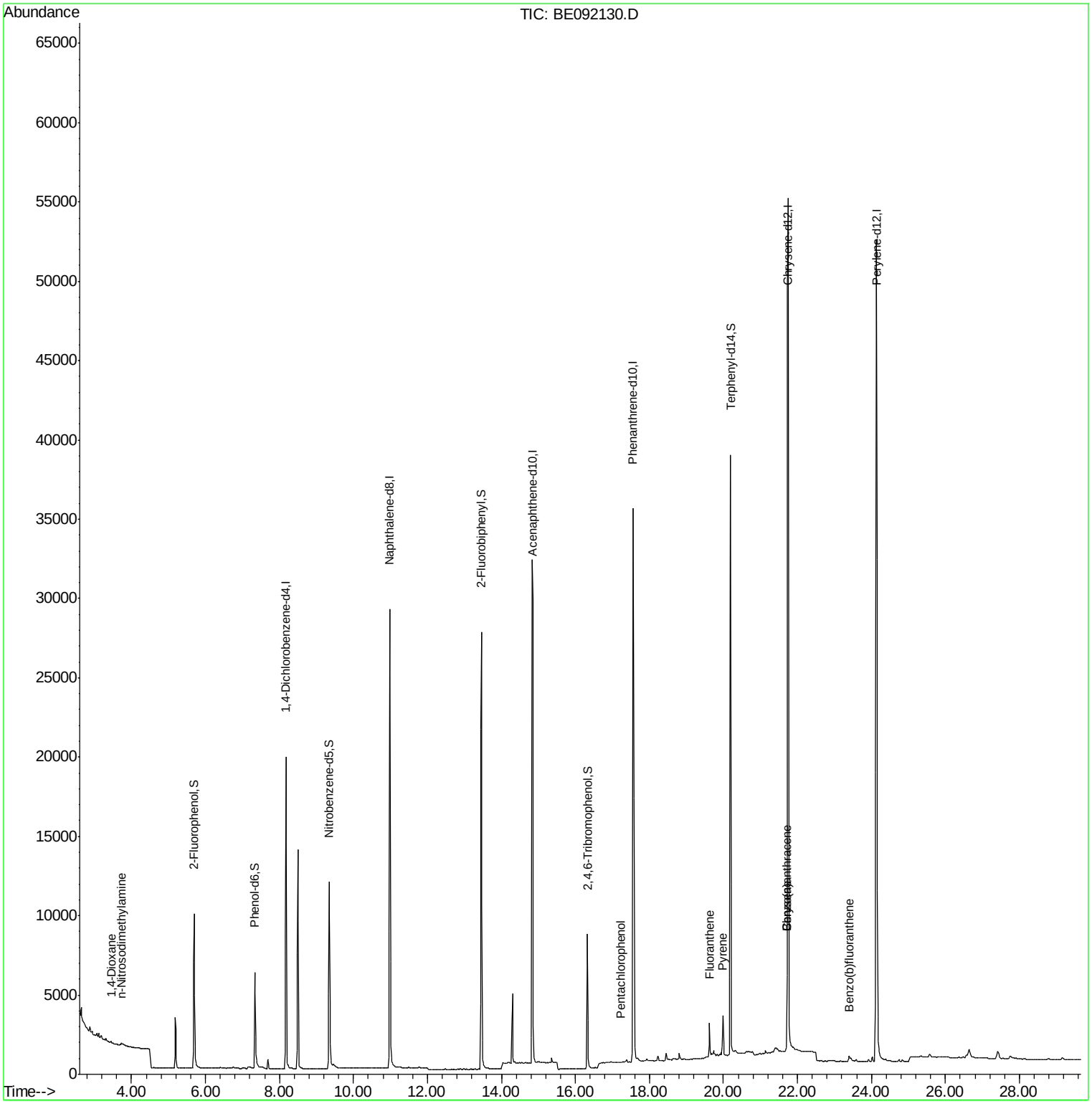
(#) = qualifier out of range (m) = manual integration (+) = signals summed

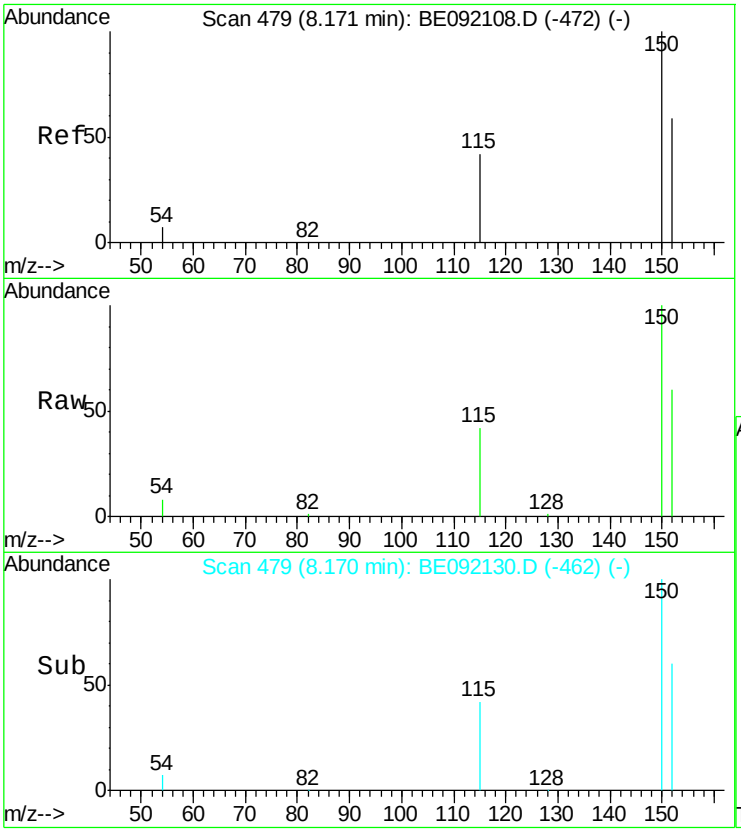
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080216\
Data File : BE092130.D
Acq On : 3 Aug 2016 3:04
Operator : UM/SJ
Sample : H4152-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
GW-21-10.0-15.0

Quant Time: Aug 03 03:55:51 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



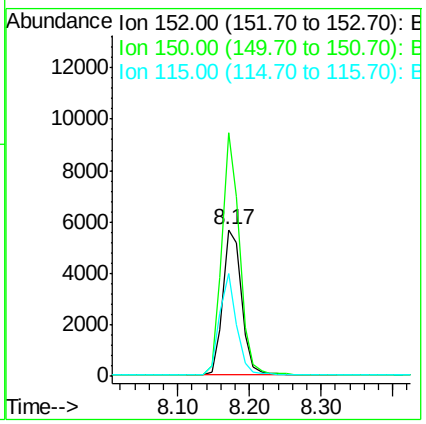


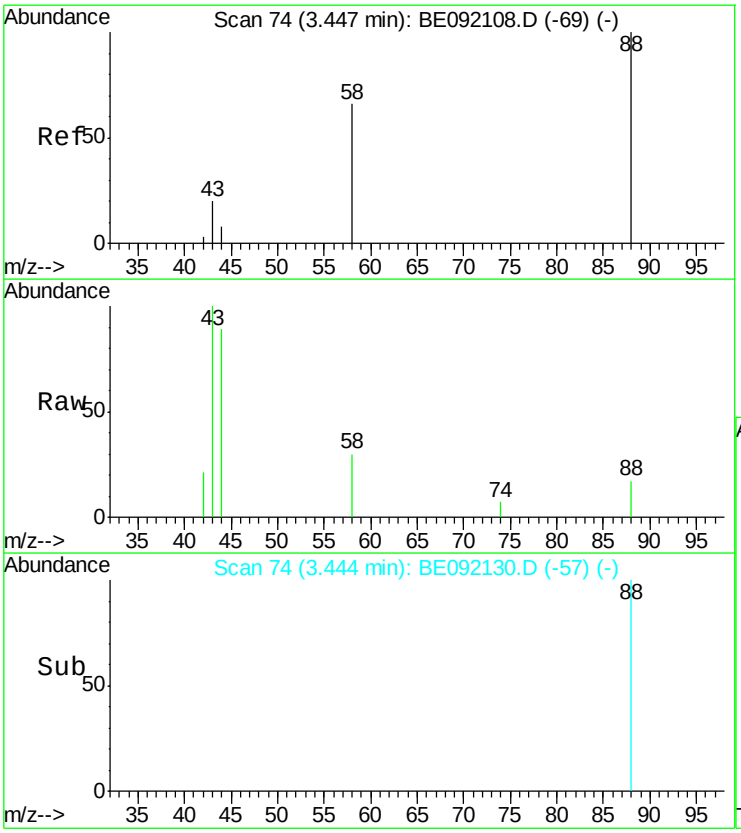
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.17 min Scan# 479
Delta R.T. -0.00 min
Lab File: BE092130.D
Acq: 3 Aug 2016 3:04

Instrument :
BNA_E
ClientSampleId :
GW-21-10.0-15.0

Tgt Ion:152 Resp: 10376

Ion	Ratio	Lower	Upper
152	100		
150	166.4	106.0	159.0#
115	70.1	36.9	55.3#

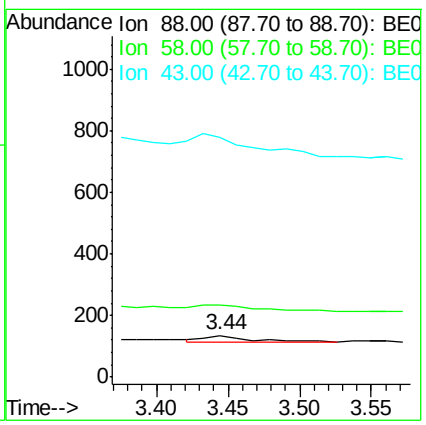


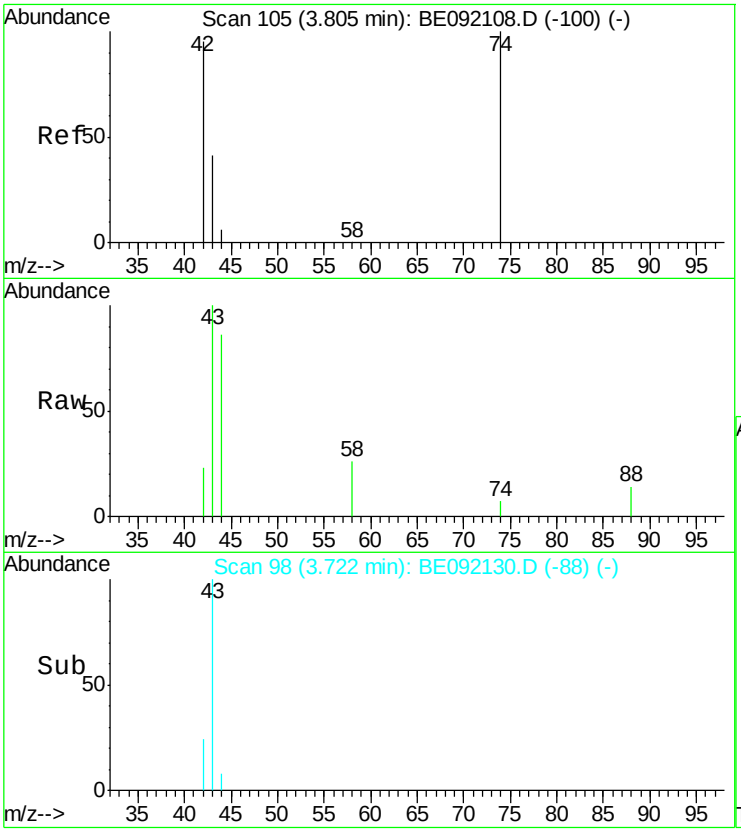


#2
1,4-Dioxane
Concen: 0.03 ng
RT: 3.44 min Scan# 74
Delta R.T. -0.00 min
Lab File: BE092130.D
Acq: 3 Aug 2016 3:04

Tgt Ion: 88 Resp: 38

Ion	Ratio	Lower	Upper
88	100		
58	257.9	62.1	93.1#
43	1065.8	27.2	40.8#



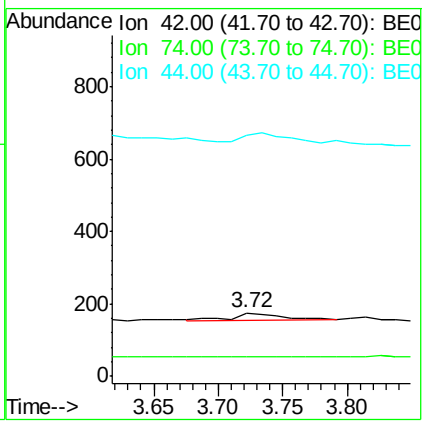


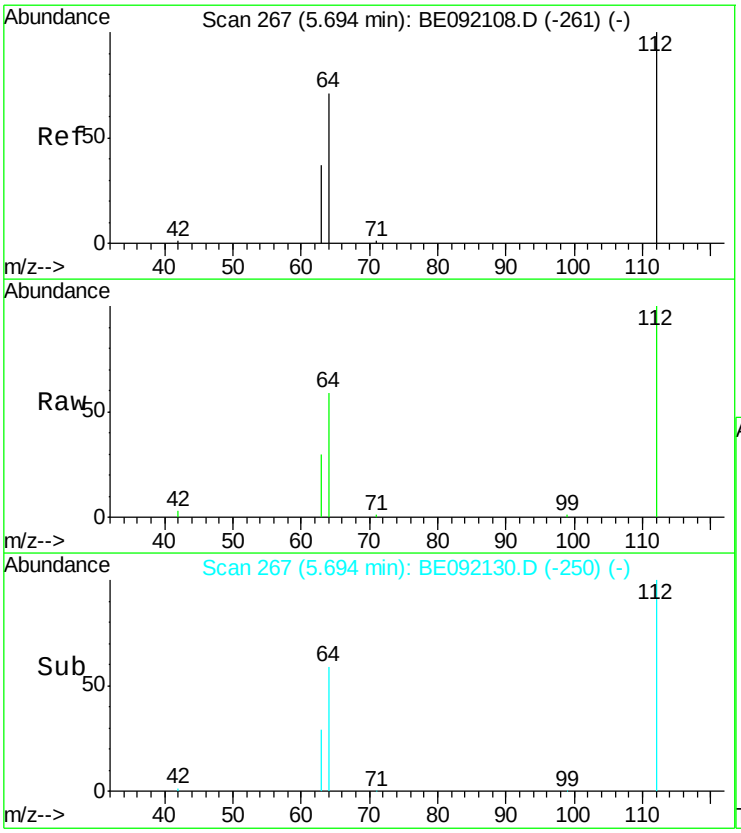
#3
n-Nitrosodimethylamine
Concen: 0.12 ng
RT: 3.72 min Scan# 98
Delta R.T. -0.08 min
Lab File: BE092130.D
Acq: 3 Aug 2016 3:04

Instrument :
BNA_E
ClientSampleId :
GW-21-10.0-15.0

Tgt Ion: 42 Resp: 53

Ion	Ratio	Lower	Upper
42	100		
74	5.7	82.8	124.2#
44	552.8	9.0	13.4#

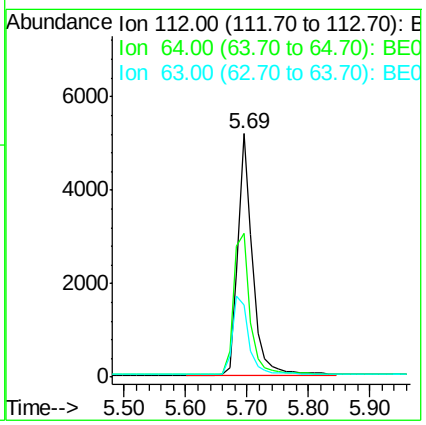


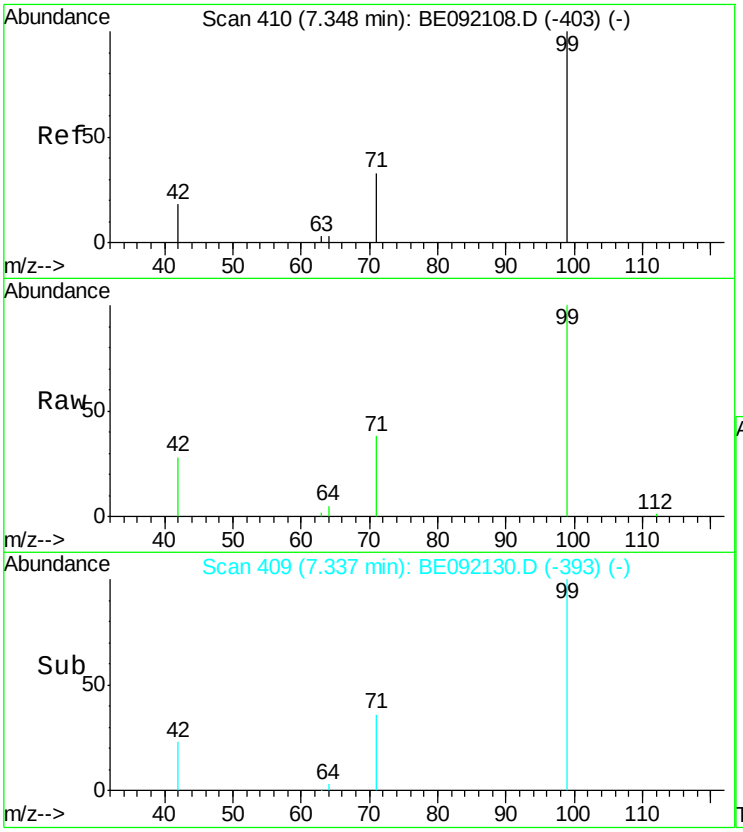


#4
2-Fluorophenol
Concen: 3.24 ng
RT: 5.69 min Scan# 267
Delta R.T. -0.00 min
Lab File: BE092130.D
Acq: 3 Aug 2016 3:04

Tgt Ion:112 Resp: 8622

Ion	Ratio	Lower	Upper
112	100		
64	66.9	55.9	83.9
63	36.5	31.1	46.7



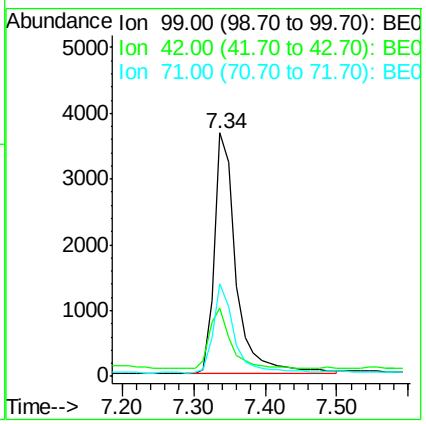


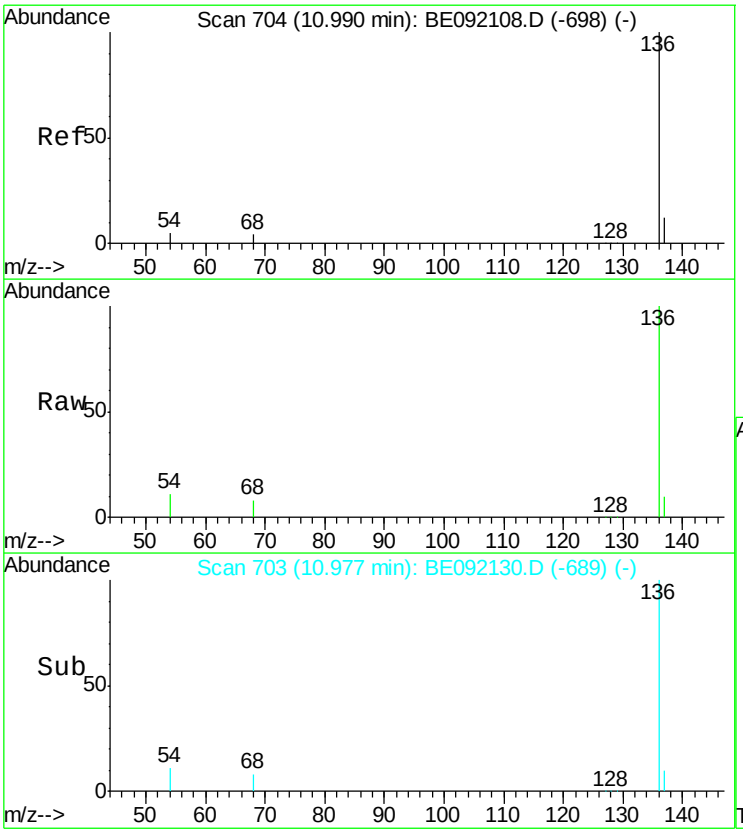
#5
Phenol-d6
Concen: 2.16 ng
RT: 7.34 min Scan# 409
Delta R.T. -0.01 min
Lab File: BE092130.D
Acq: 3 Aug 2016 3:04

Instrument :
BNA_E
ClientSampleId :
GW-21-10.0-15.0

Tgt Ion: 99 Resp: 7685

Ion	Ratio	Lower	Upper
99	100		
42	24.7	22.4	33.6
71	35.2	28.9	43.3

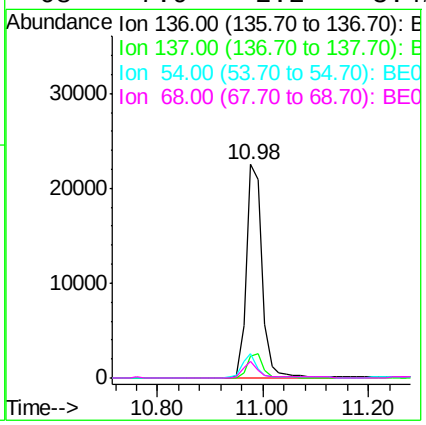


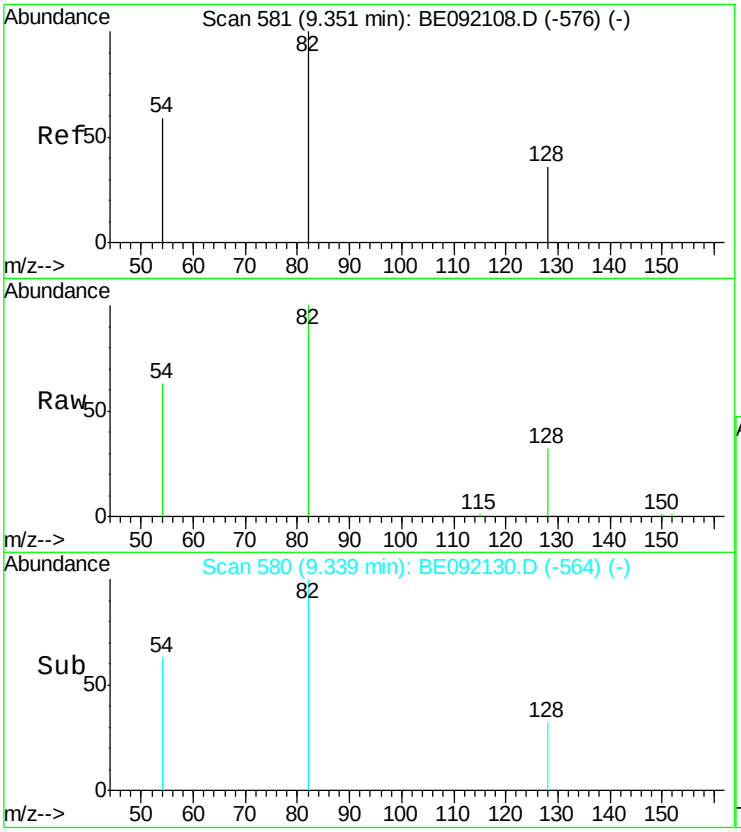


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.98 min Scan# 703
Delta R.T. -0.01 min
Lab File: BE092130.D
Acq: 3 Aug 2016 3:04

Tgt Ion:136 Resp: 46640

Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.1	13.7
54	11.3	2.7	4.1#
68	7.9	2.2	3.4#



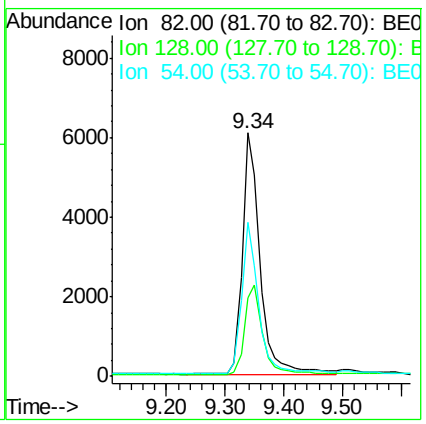


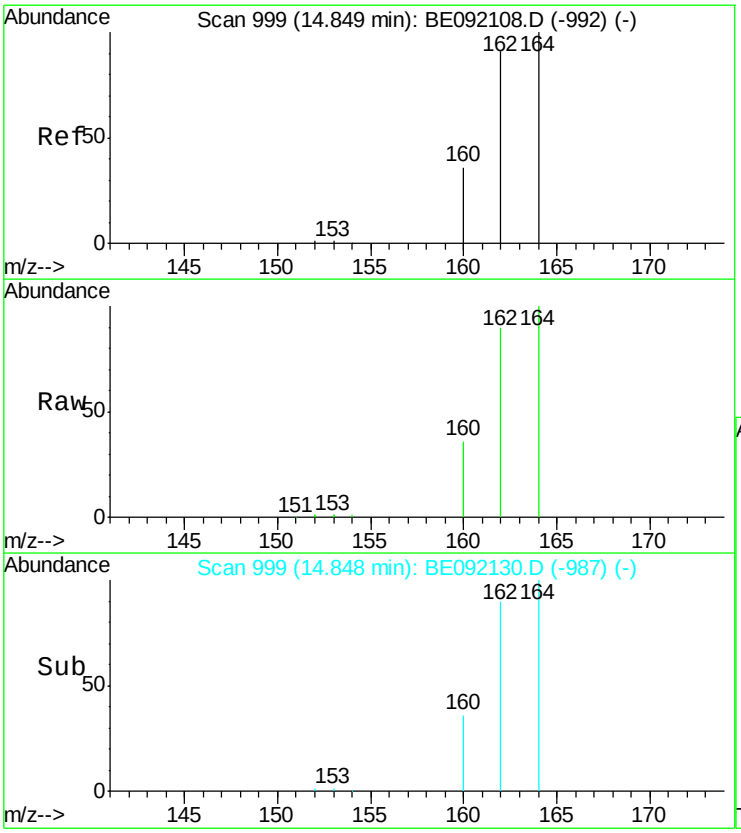
#7
Nitrobenzene-d5
Concen: 3.43 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092130.D
Acq: 3 Aug 2016 3:04

Instrument :
BNA_E
ClientSampleId :
GW-21-10.0-15.0

Tgt Ion: 82 Resp: 12627

Ion	Ratio	Lower	Upper
82	100		
128	32.4	33.0	49.4#
54	63.5	42.6	63.8

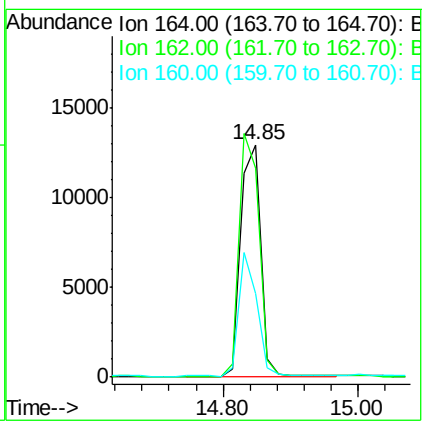


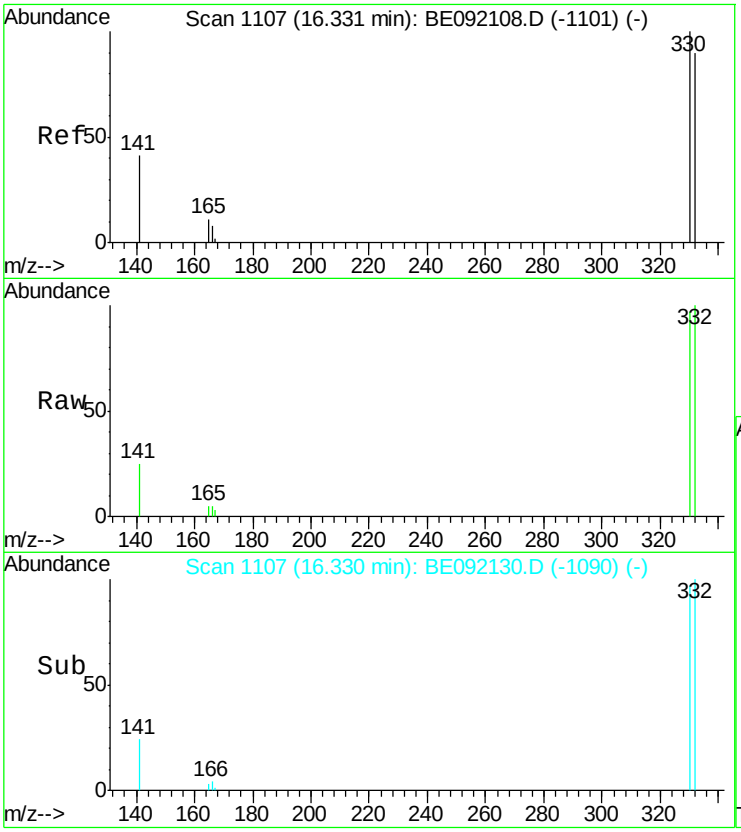


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.85 min Scan# 999
Delta R.T. -0.00 min
Lab File: BE092130.D
Acq: 3 Aug 2016 3:04

Tgt Ion:164 Resp: 26429

Ion	Ratio	Lower	Upper
164	100		
162	90.2	69.5	104.3
160	36.0	27.6	41.4



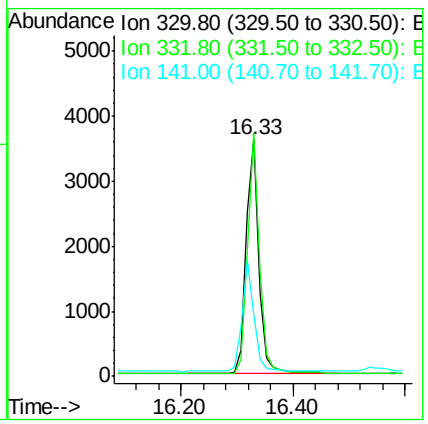


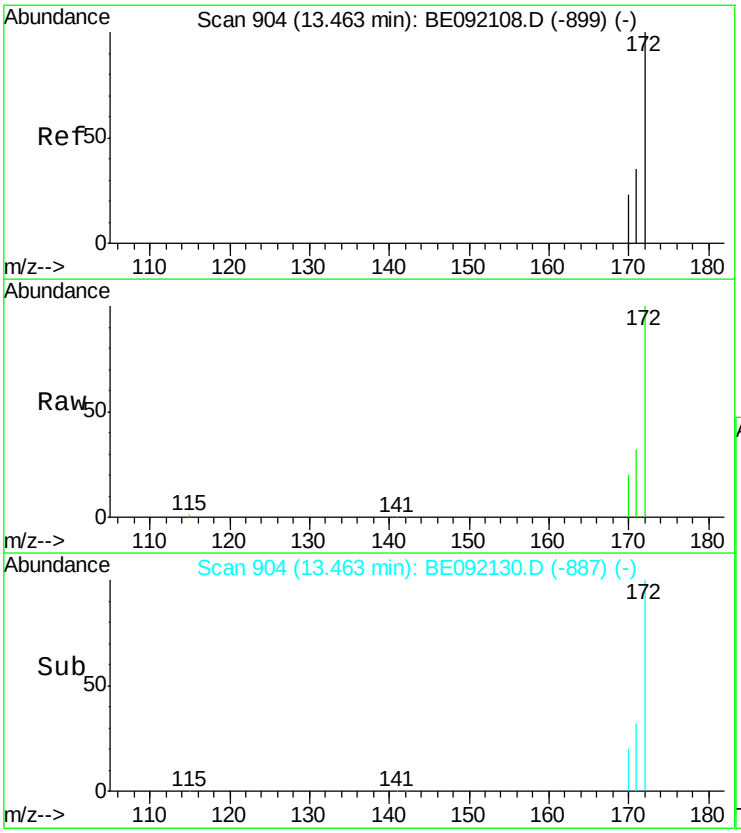
#11
2,4,6-Tribromophenol
Concen: 6.68 ng
RT: 16.33 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE092130.D
Acq: 3 Aug 2016 3:04

Instrument :
BNA_E
ClientSampleId :
GW-21-10.0-15.0

Tgt Ion:330 Resp: 5732

Ion	Ratio	Lower	Upper
330	100		
332	97.1	74.2	111.4
141	44.0	139.8	209.8#

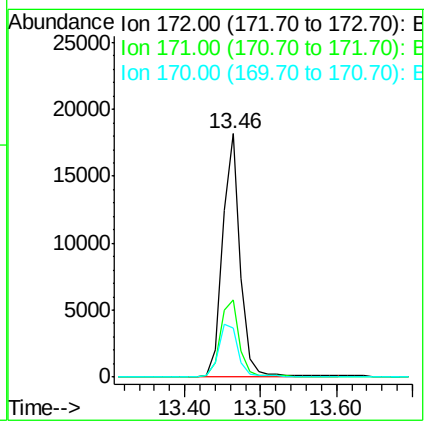


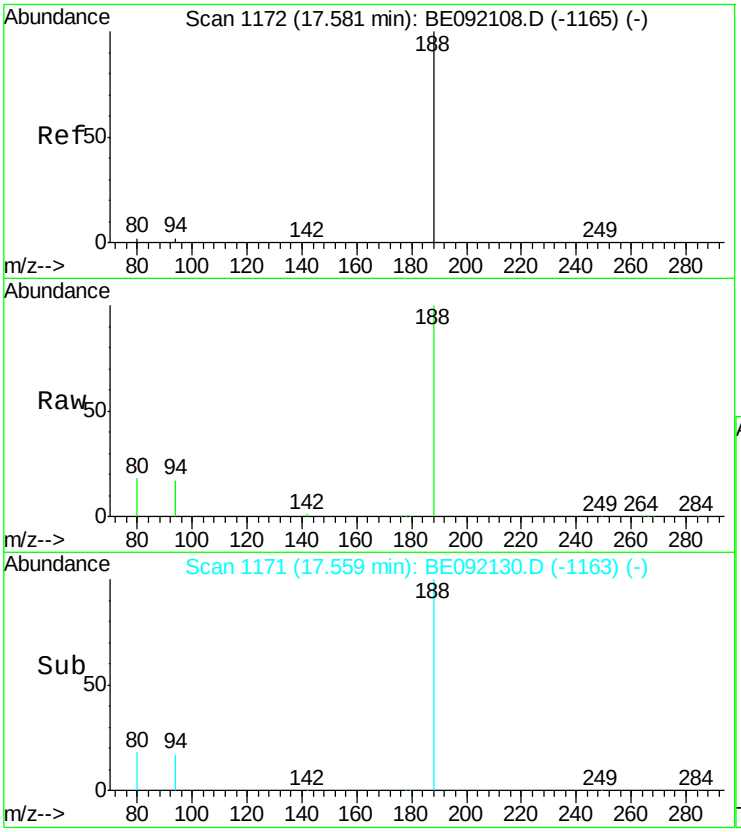


#12
2-Fluorobiphenyl
Concen: 3.53 ng
RT: 13.46 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE092130.D
Acq: 3 Aug 2016 3:04

Tgt Ion:172 Resp: 29555

Ion	Ratio	Lower	Upper
172	100		
171	31.8	30.3	45.5
170	20.1	21.6	32.4#



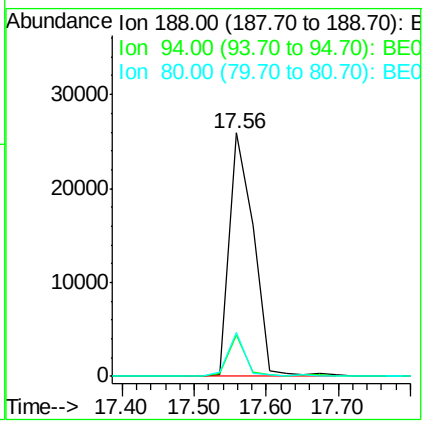


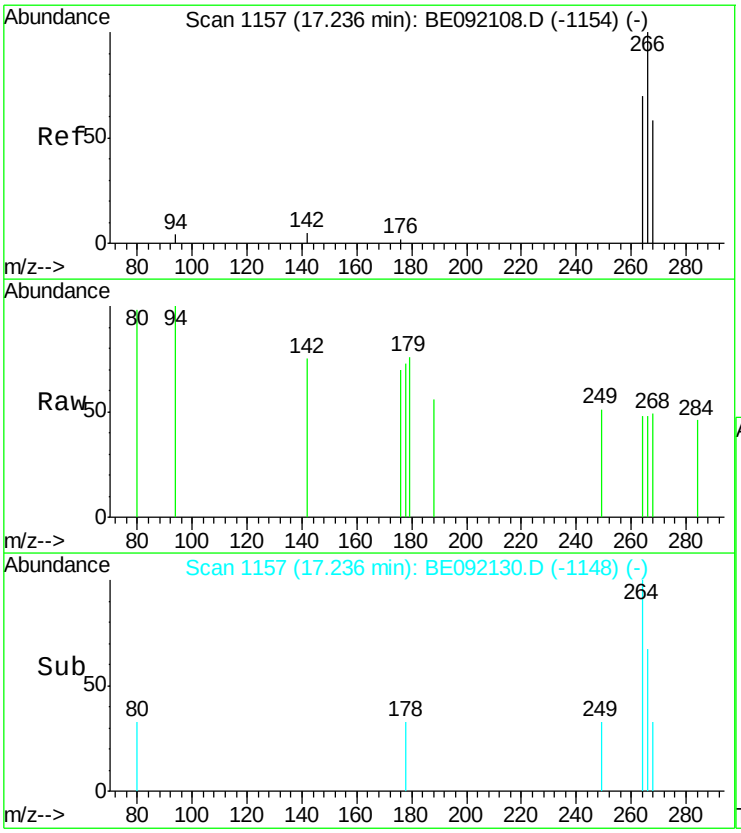
#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092130.D
Acq: 3 Aug 2016 3:04

Instrument :
BNA_E
ClientSampleId :
GW-21-10.0-15.0

Tgt Ion:188 Resp: 59571

Ion	Ratio	Lower	Upper
188	100		
94	17.1	3.9	5.9#
80	18.0	3.4	5.0#

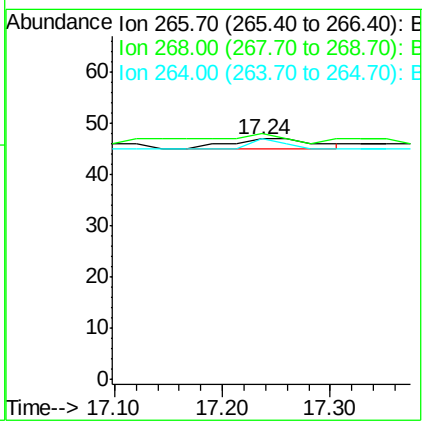


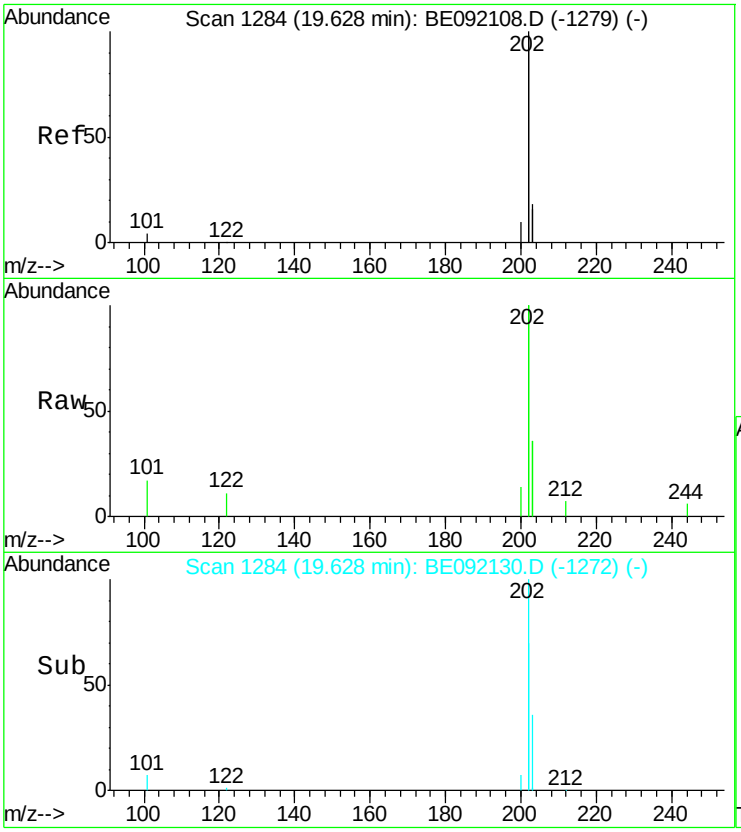


#18
Pentachlorophenol
Concen: 0.20 ng
RT: 17.24 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BE092130.D
Acq: 3 Aug 2016 3:04

Tgt Ion:266 Resp: 11

Ion	Ratio	Lower	Upper
266	100		
268	102.1	62.7	94.1#
264	100.0	63.5	95.3#



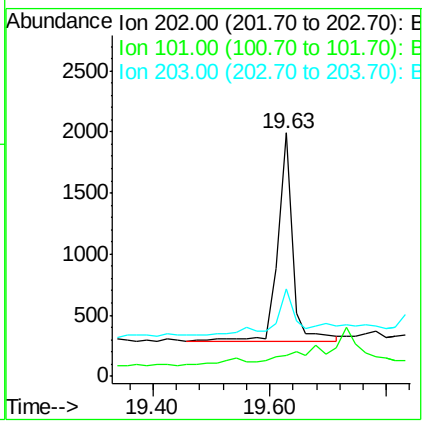


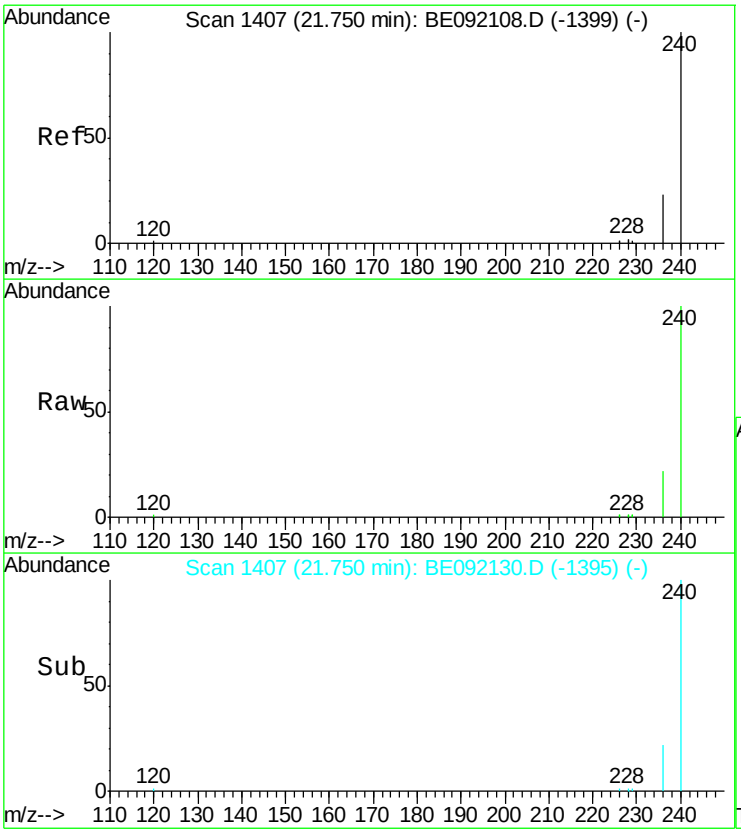
#21
Fluoranthene
Concen: 0.04 ng
RT: 19.63 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BE092130.D
Acq: 3 Aug 2016 3:04

Instrument :
BNA_E
ClientSampleId :
GW-21-10.0-15.0

Tgt Ion:202 Resp: 2942

Ion	Ratio	Lower	Upper
202	100		
101	0.0	2.2	3.2#
203	28.1	13.0	19.4#

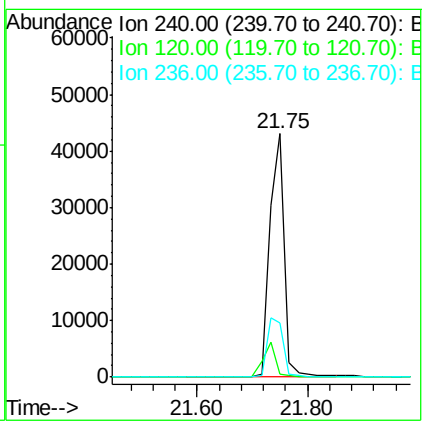


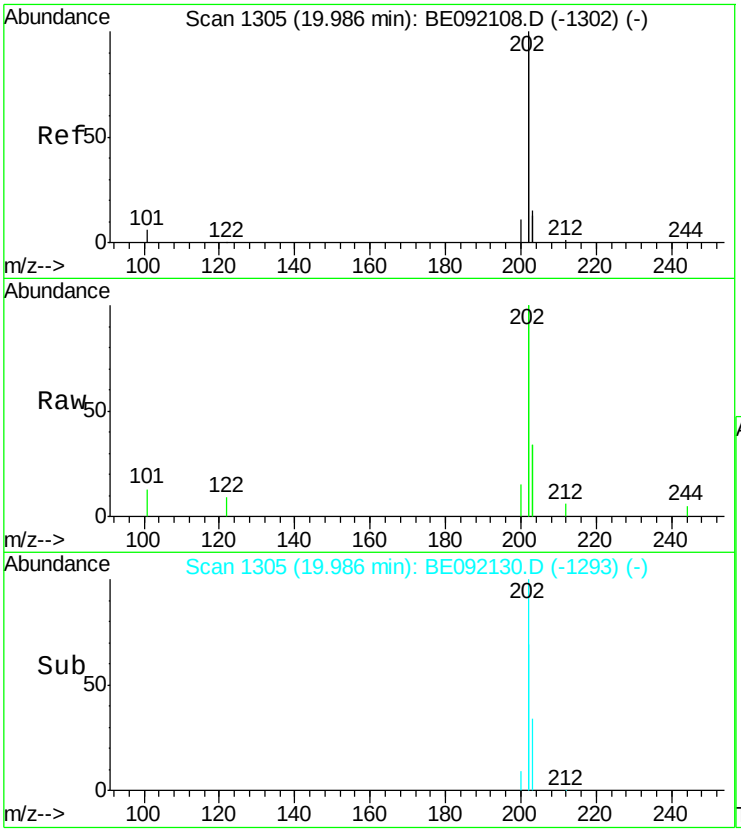


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1407
Delta R.T. -0.00 min
Lab File: BE092130.D
Acq: 3 Aug 2016 3:04

Tgt Ion:240 Resp: 79220

Ion	Ratio	Lower	Upper
240	100		
120	1.3	0.6	1.0#
236	22.4	18.2	27.4



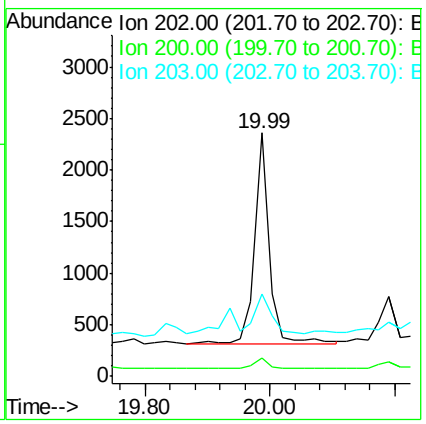


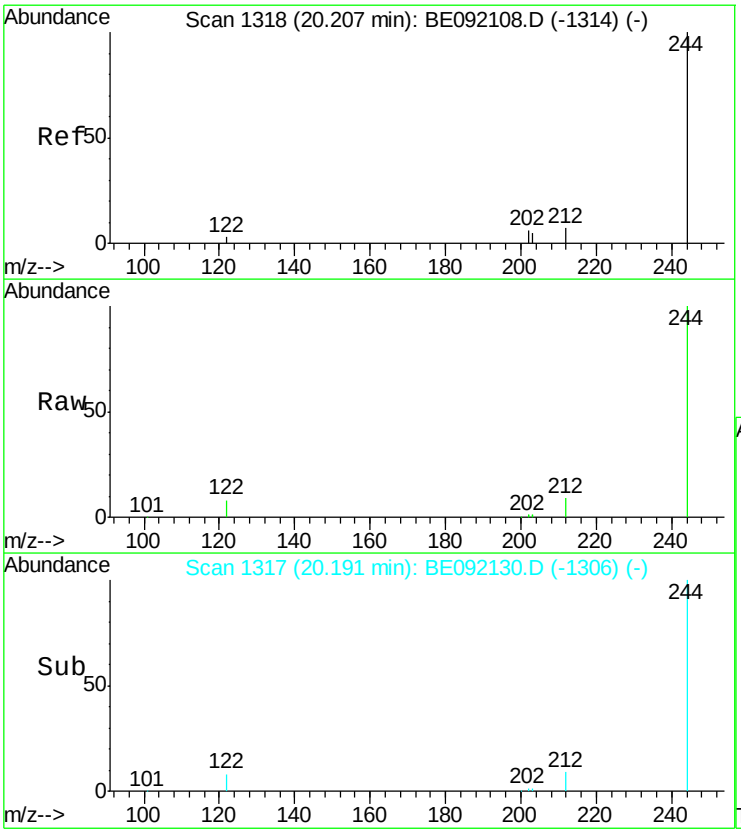
#23
Pyrene
Concen: 0.04 ng
RT: 19.99 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BE092130.D
Acq: 3 Aug 2016 3:04

Instrument :
BNA_E
ClientSampleId :
GW-21-10.0-15.0

Tgt Ion:202 Resp: 3259

Ion	Ratio	Lower	Upper
202	100		
200	4.8	4.4	6.6
203	21.7	13.4	20.0#

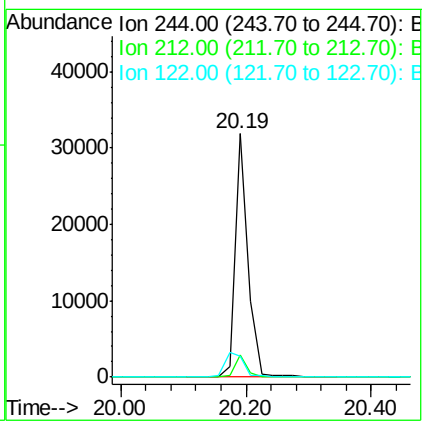


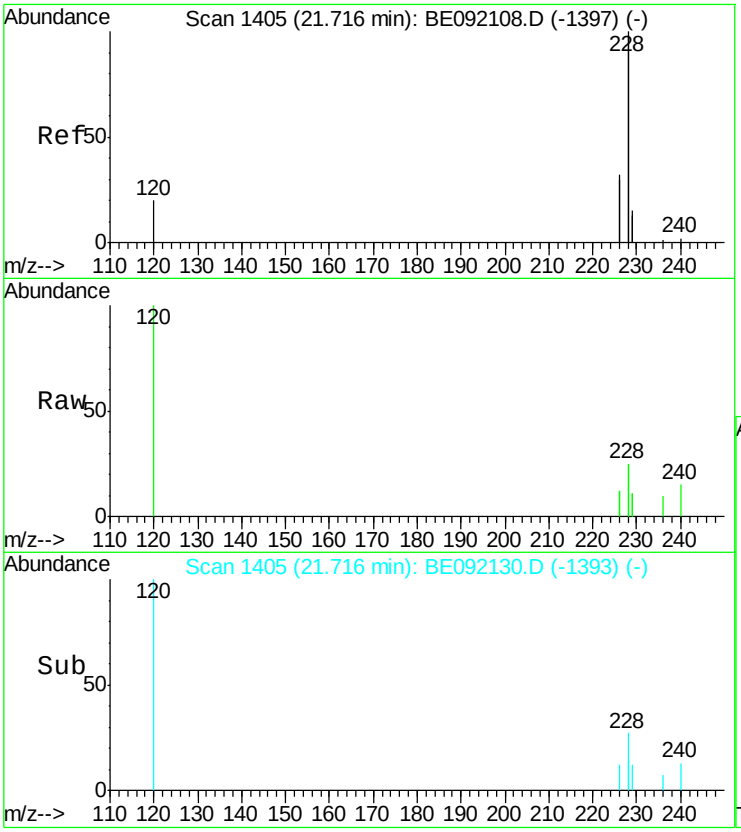


#24
Terphenyl-d14
Concen: 3.97 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092130.D
Acq: 3 Aug 2016 3:04

Tgt Ion:244 Resp: 45129

Ion	Ratio	Lower	Upper
244	100		
212	9.1	9.1	13.7
122	8.4	11.0	16.4#



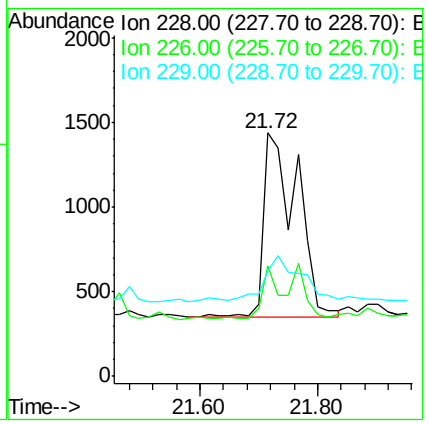


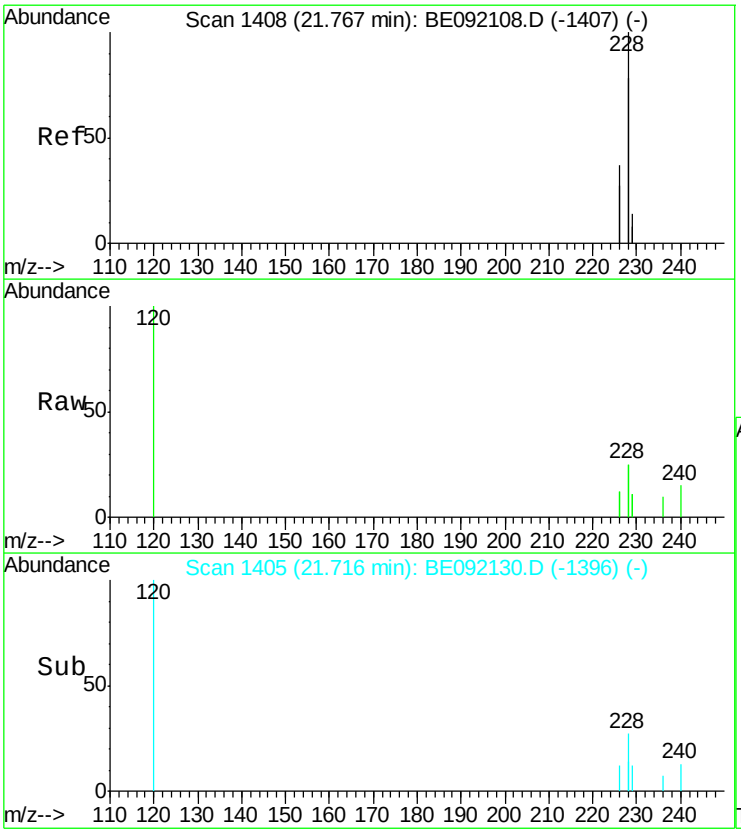
#25
Benzo(a)anthracene
Concen: 0.05 ng
RT: 21.72 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BE092130.D
Acq: 3 Aug 2016 3:04

Instrument :
BNA_E
ClientSampleId :
GW-21-10.0-15.0

Tgt Ion:228 Resp: 4318

Ion	Ratio	Lower	Upper
228	100		
226	45.5	22.1	33.1#
229	43.1	15.1	22.7#

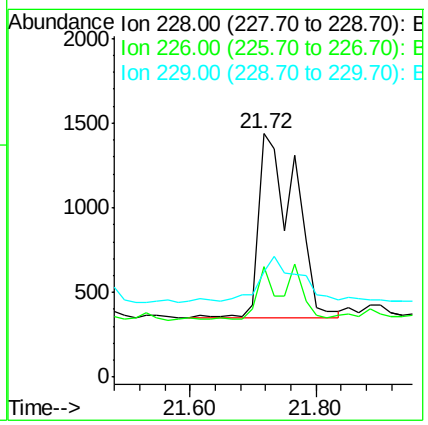


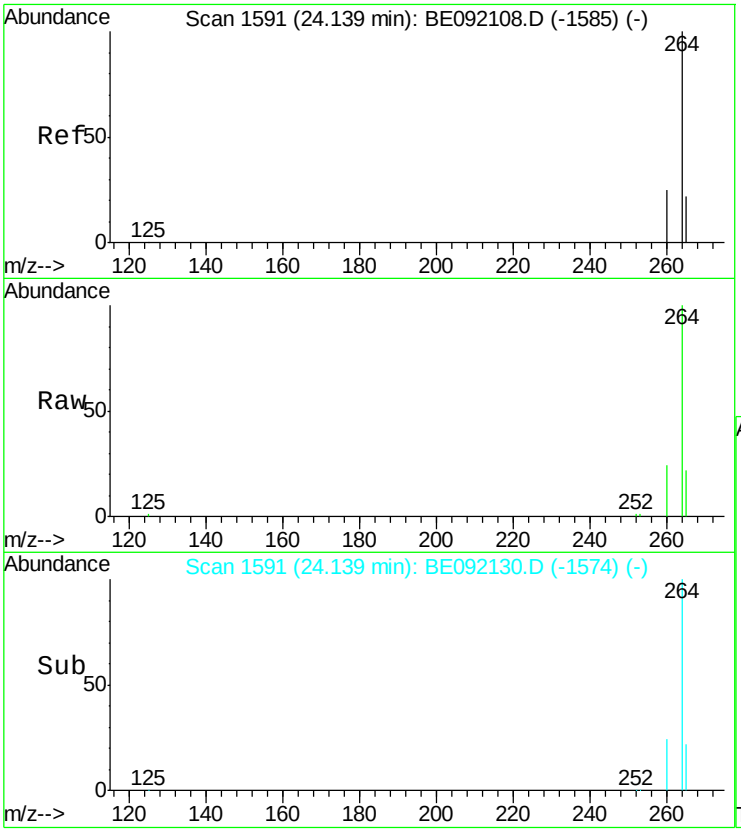


#26
Chrysene
Concen: 0.05 ng
RT: 21.72 min Scan# 1405
Delta R.T. -0.05 min
Lab File: BE092130.D
Acq: 3 Aug 2016 3:04

Tgt Ion:228 Resp: 4288

Ion	Ratio	Lower	Upper
228	100		
226	45.5	22.3	33.5#
229	43.1	16.9	25.3#



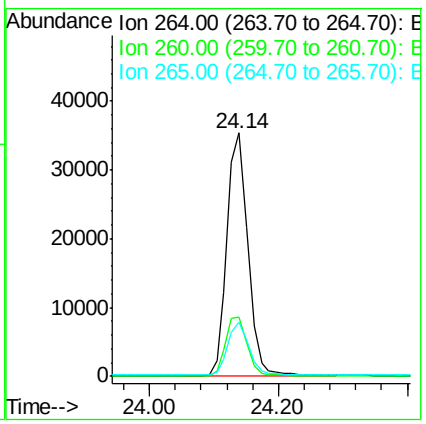


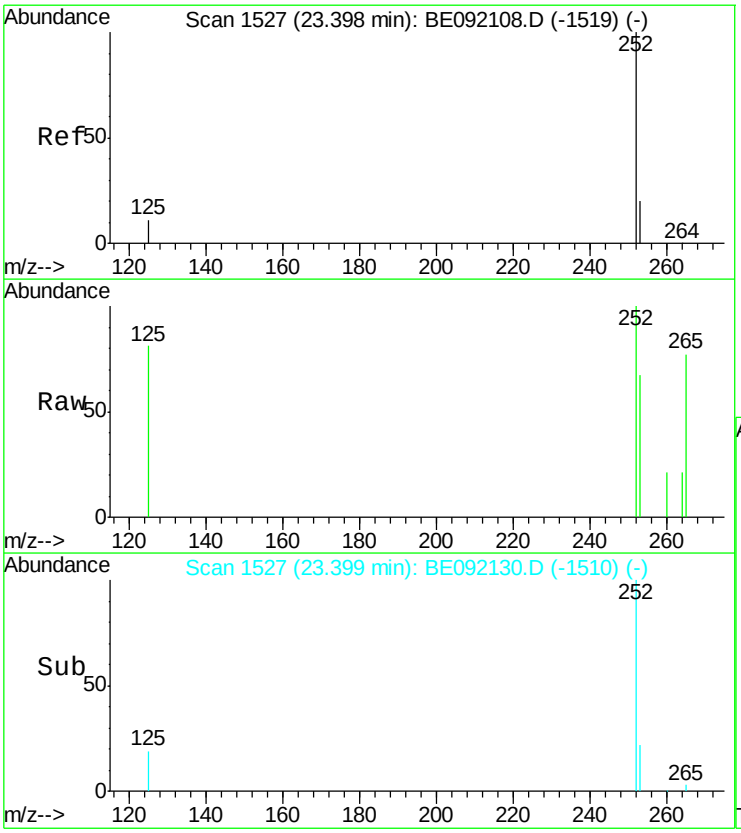
#28
Perylene-d12
Concen: 5.00 ng
RT: 24.14 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BE092130.D
Acq: 3 Aug 2016 3:04

Instrument :
BNA_E
ClientSampleId :
GW-21-10.0-15.0

Tgt Ion:264 Resp: 80045

Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.8	31.2
265	22.4	16.6	25.0





#29
Benzo(b)fluoranthene
Concen: 0.04 ng
RT: 23.40 min Scan# 1527
Delta R.T. 0.00 min
Lab File: BE092130.D
Acq: 3 Aug 2016 3:04

Tgt Ion:252 Resp: 786

Ion	Ratio	Lower	Upper
252	100		
253	67.2	17.4	26.0#
125	80.6	10.2	15.2#