Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080416\
Data File : BE092196.D
Acq On : 4 Aug 2016 23:40
Operator : UM/SJ
Sample : H4269-19
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : GW-55-15.2-19.0

Quant Time: Aug 05 03:15:41 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	12251	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	56660	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	31324	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	71152	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	88172	5.00	ng	0.00
28) Perylene-d12	24.14	264	87943	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.70	112	12233	3.89	ng	0.00
5) Phenol-d6	7.35	99	10237	2.44	ng	0.00
7) Nitrobenzene-d5	9.34	82	14170	3.17	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	8084	7.95	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	32676	3.29	ng	0.00
24) Terphenyl-d14	20.19	244	51514	4.07	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.44	88	71	0.04	ng	# 82
3) n-Nitrosodimethylamine	3.77	42	24	0.10	ng	# 6
8) Naphthalene	11.03	128	43	Below Cal		# 1
18) Pentachlorophenol	17.24	266	14	0.20	ng	# 80
19) Phenanthrene	17.60	178	220	Below Cal		# 79
25) Benzo(a)anthracene	21.73	228	2639	0.03	ng	# 69
26) Chrysene	21.73	228	2574	0.03	ng	# 71
30) Benzo(k)fluoranthene	23.40	252	205	Below Cal		# 1

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080416\
Data File : BE092196.D
Acq On : 4 Aug 2016 23:40
Operator : UM/SJ
Sample : H4269-19
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
GW-55-15.2-19.0

Quant Time: Aug 05 03:15:41 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
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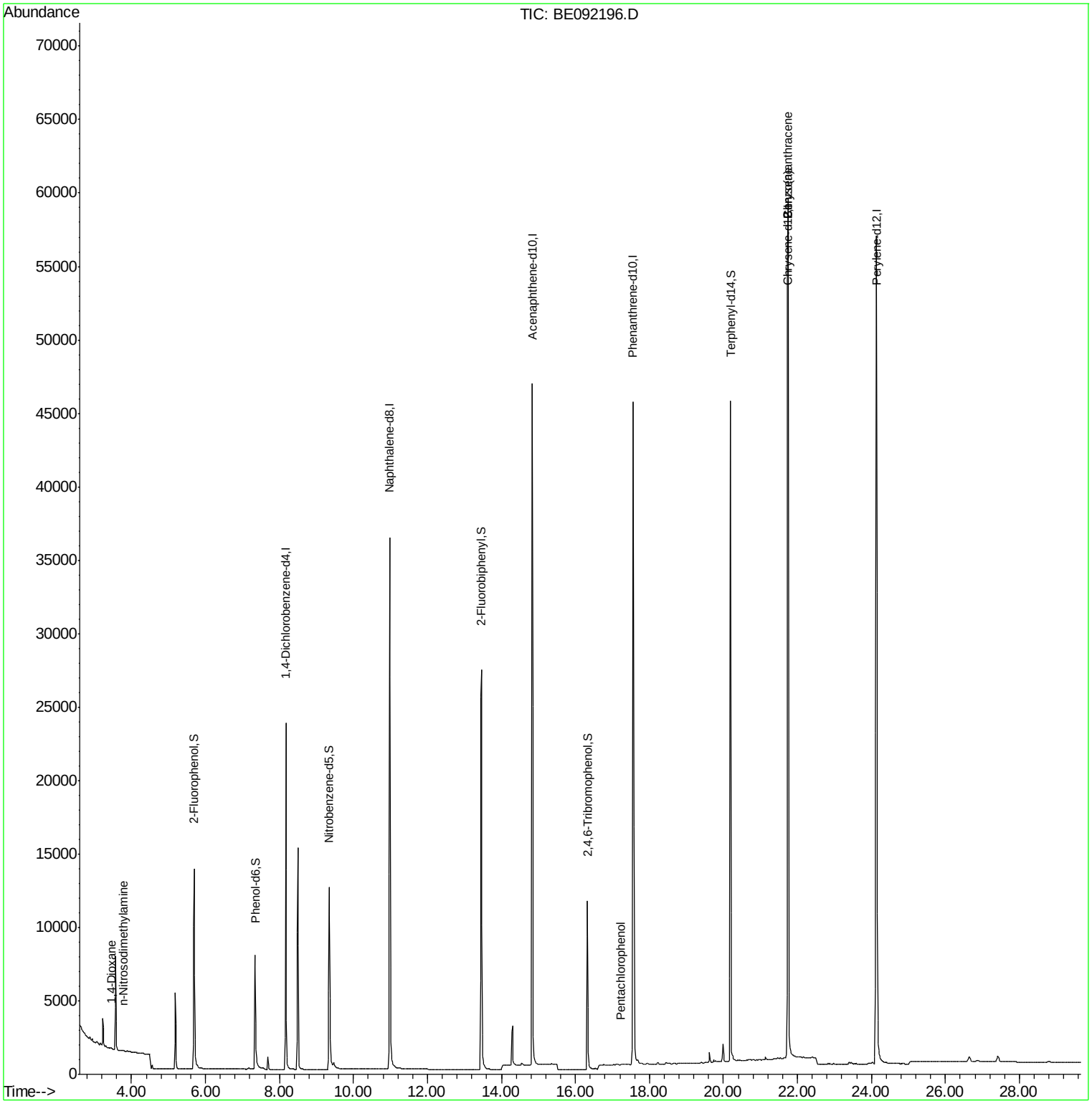
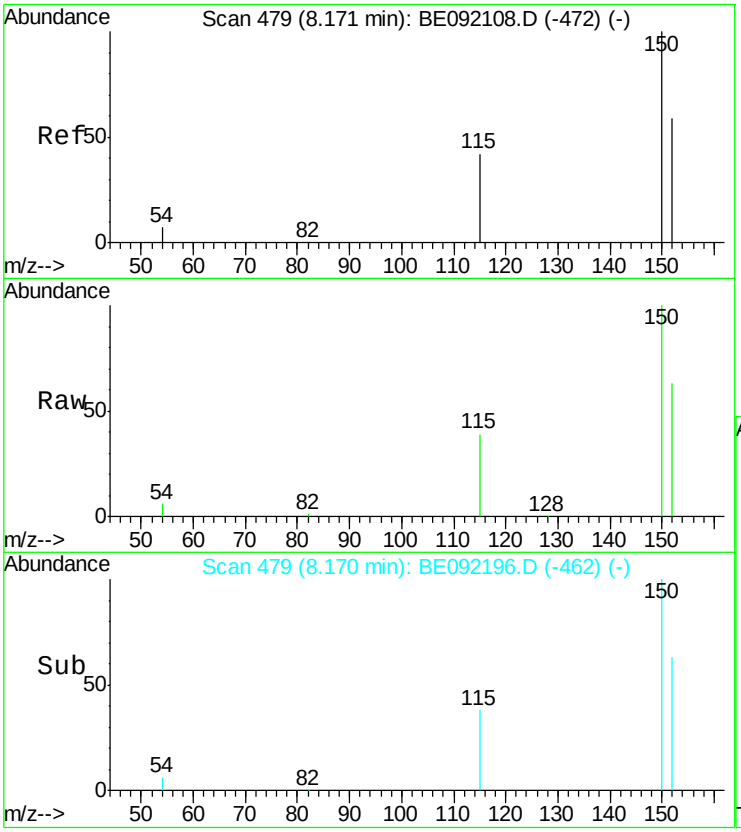


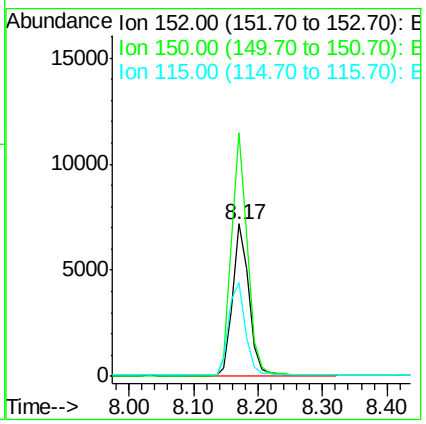


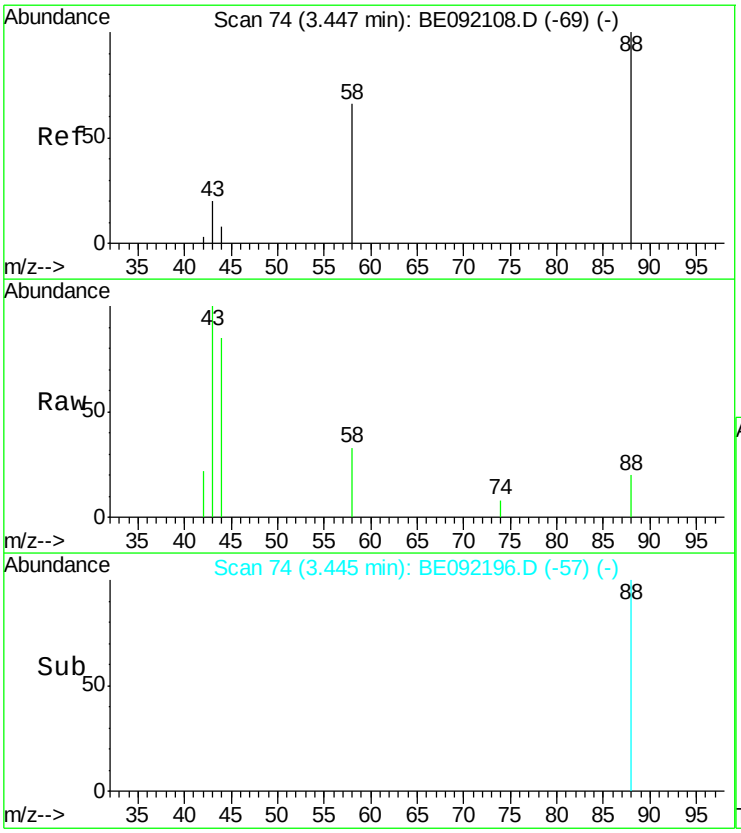
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.17 min Scan# 479
Delta R.T. -0.00 min
Lab File: BE092196.D
Acq: 4 Aug 2016 23:40

Instrument :
BNA_E
ClientSampleId :
GW-55-15.2-19.0

Tgt Ion:152 Resp: 12251

Ion	Ratio	Lower	Upper
152	100		
150	159.5	106.0	159.0#
115	61.4	36.9	55.3#

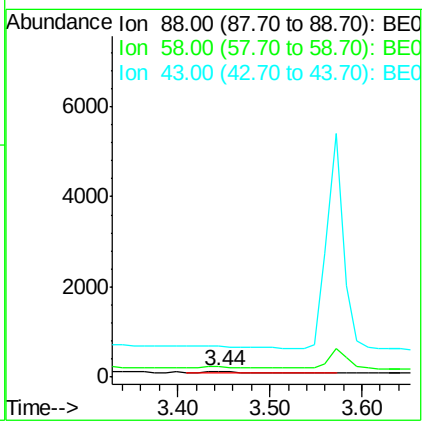


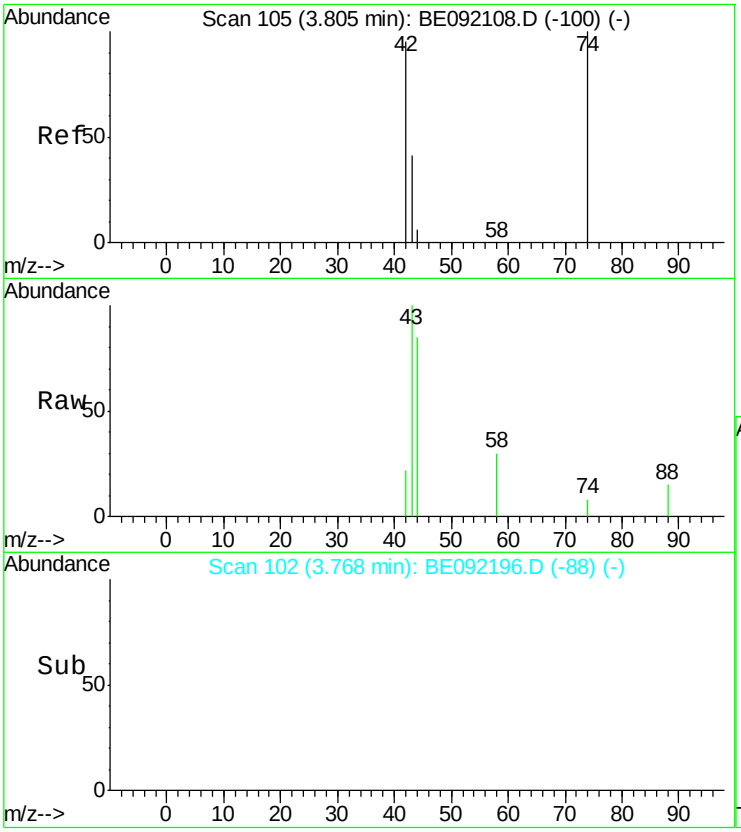


#2
1,4-Dioxane
Concen: 0.04 ng
RT: 3.44 min Scan# 74
Delta R.T. -0.00 min
Lab File: BE092196.D
Acq: 4 Aug 2016 23:40

Tgt Ion: 88 Resp: 71

Ion	Ratio	Lower	Upper
88	100		
58	77.5	62.1	93.1
43	0.0	27.2	40.8#



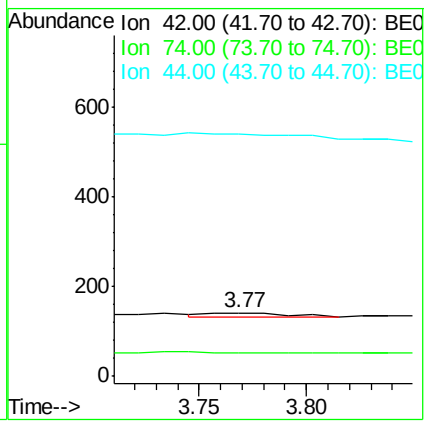


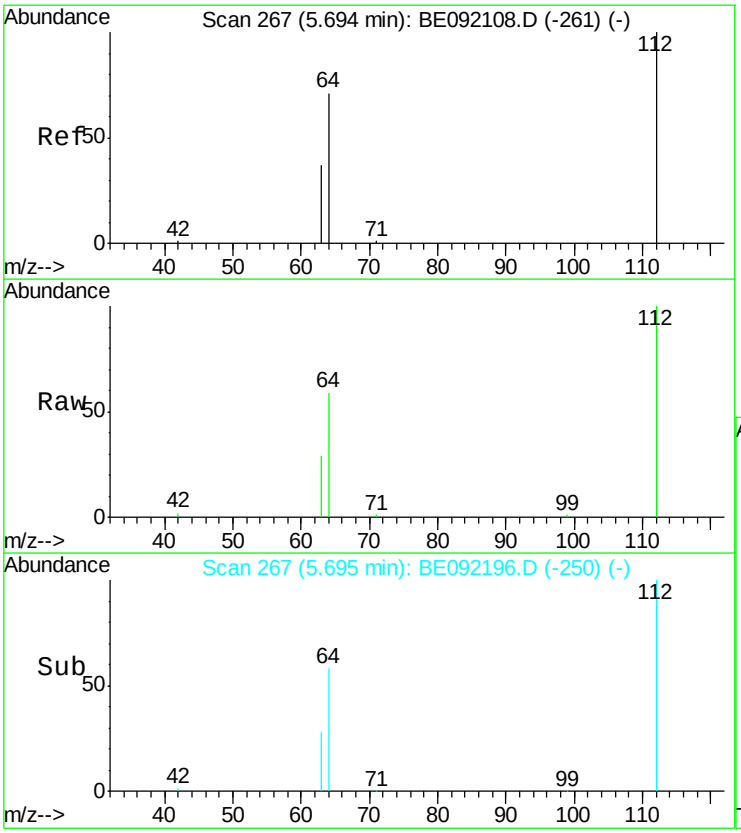
#3
n-Nitrosodimethylamine
Concen: 0.10 ng
RT: 3.77 min Scan# 102
Delta R.T. -0.04 min
Lab File: BE092196.D
Acq: 4 Aug 2016 23:40

Instrument :
BNA_E
ClientSampleId :
GW-55-15.2-19.0

Tgt Ion: 42 Resp: 24

Ion	Ratio	Lower	Upper
42	100		
74	0.0	82.8	124.2#
44	0.0	9.0	13.4#

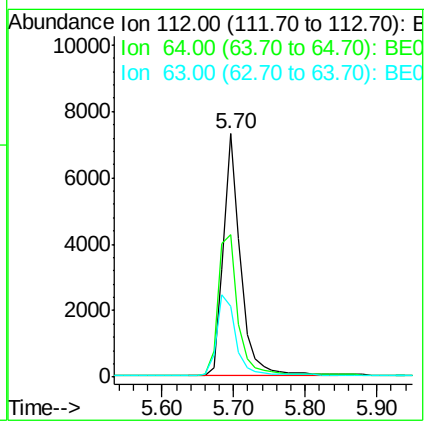


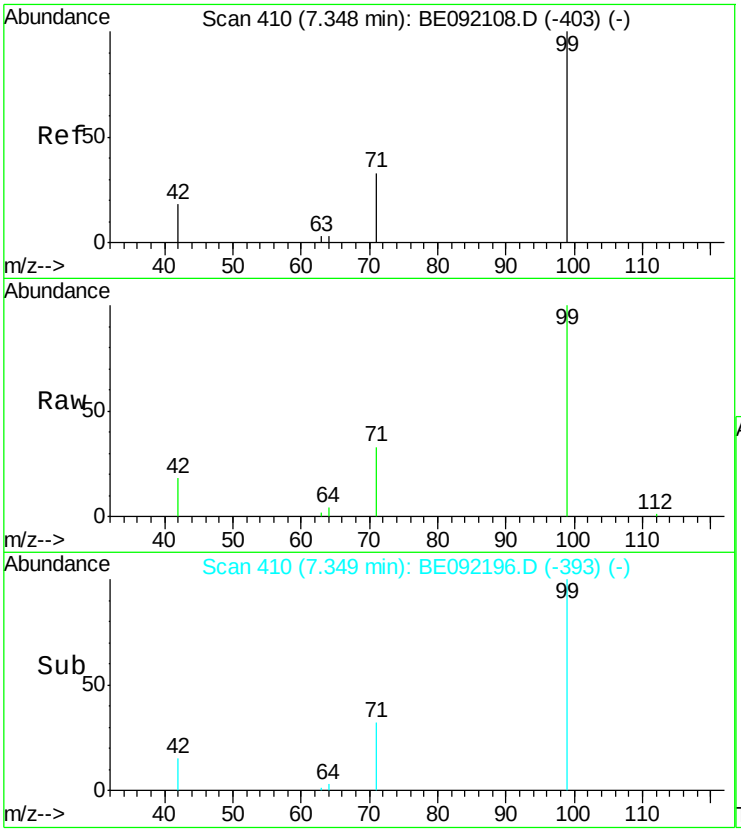


#4
2-Fluorophenol
Concen: 3.89 ng
RT: 5.70 min Scan# 267
Delta R.T. 0.00 min
Lab File: BE092196.D
Acq: 4 Aug 2016 23:40

Tgt Ion:112 Resp: 12233

Ion	Ratio	Lower	Upper
112	100		
64	67.1	55.9	83.9
63	36.6	31.1	46.7



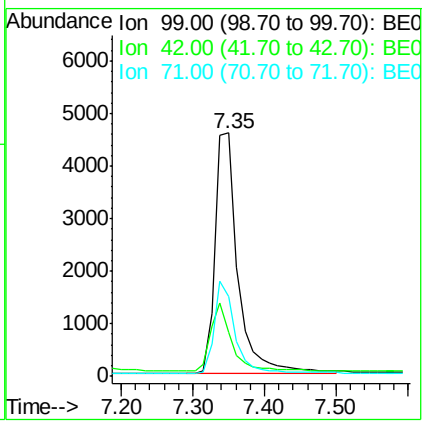


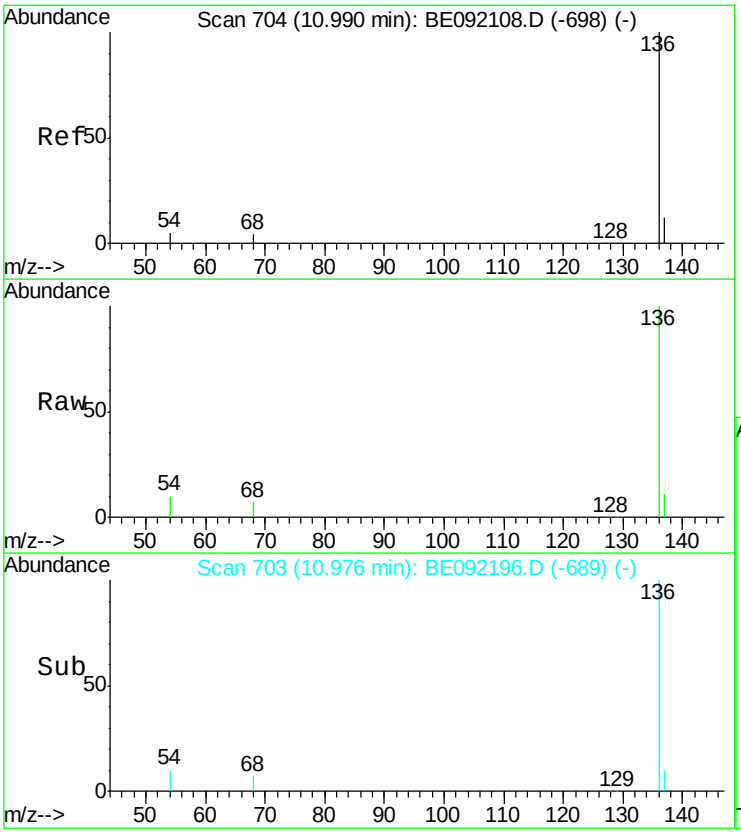
#5
Phenol-d6
Concen: 2.44 ng
RT: 7.35 min Scan# 410
Delta R.T. 0.00 min
Lab File: BE092196.D
Acq: 4 Aug 2016 23:40

Instrument :
BNA_E
ClientSampleId :
GW-55-15.2-19.0

Tgt Ion: 99 Resp: 10237

Ion	Ratio	Lower	Upper
99	100		
42	24.8	22.4	33.6
71	35.4	28.9	43.3

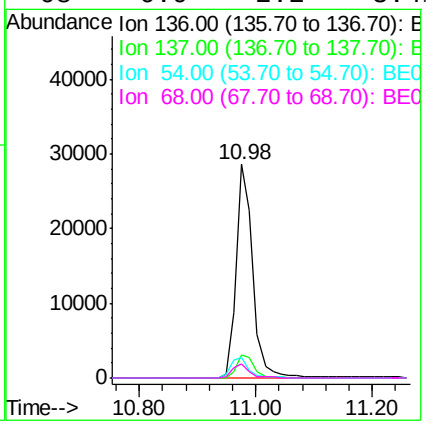


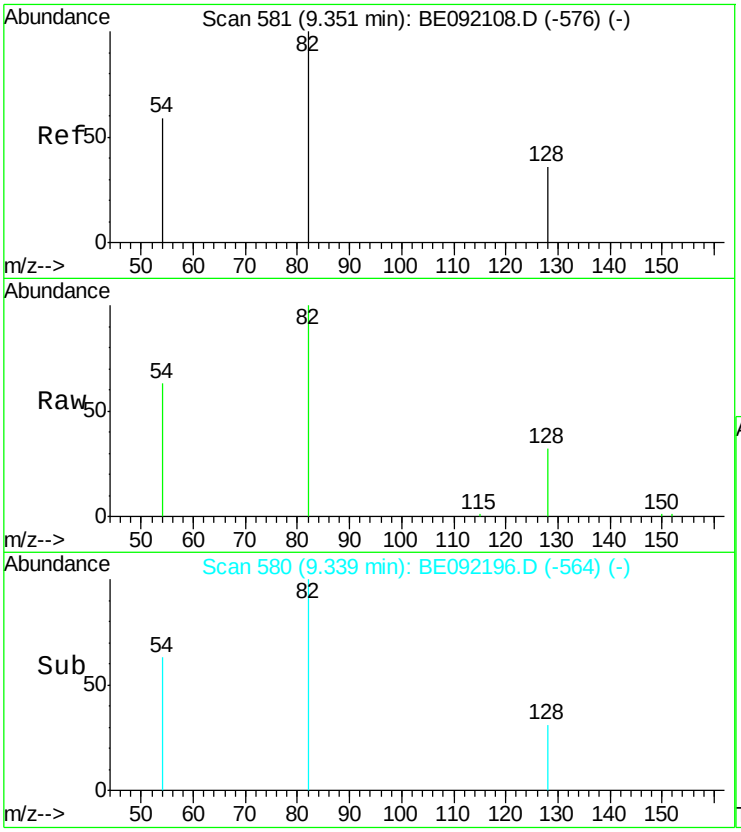


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.98 min Scan# 703
Delta R.T. -0.01 min
Lab File: BE092196.D
Acq: 4 Aug 2016 23:40

Tgt Ion:136 Resp: 56660

Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.1	13.7
54	9.8	2.7	4.1#
68	6.9	2.2	3.4#



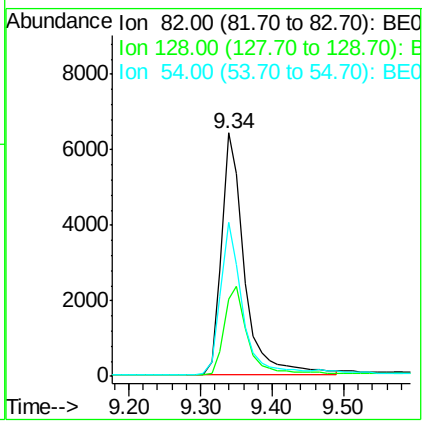


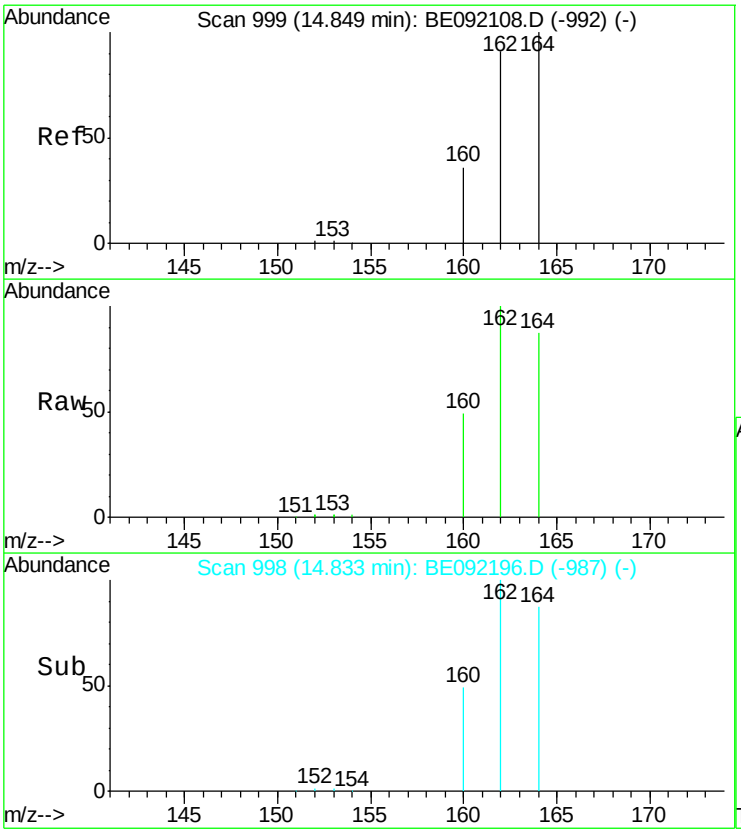
#7
Nitrobenzene-d5
Concen: 3.17 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092196.D
Acq: 4 Aug 2016 23:40

Instrument :
BNA_E
ClientSampleId :
GW-55-15.2-19.0

Tgt Ion: 82 Resp: 14170

Ion	Ratio	Lower	Upper
82	100		
128	31.9	33.0	49.4#
54	63.4	42.6	63.8

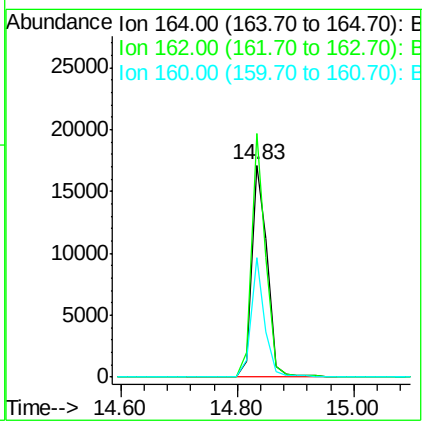


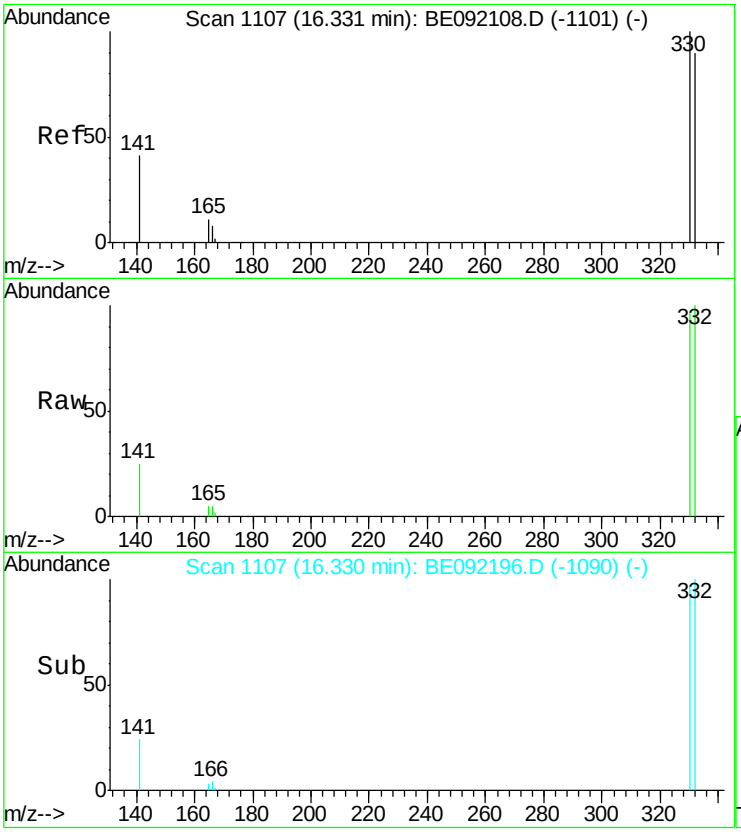


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.83 min Scan# 998
Delta R.T. -0.02 min
Lab File: BE092196.D
Acq: 4 Aug 2016 23:40

Tgt Ion:164 Resp: 31324

Ion	Ratio	Lower	Upper
164	100		
162	114.8	69.5	104.3#
160	56.2	27.6	41.4#



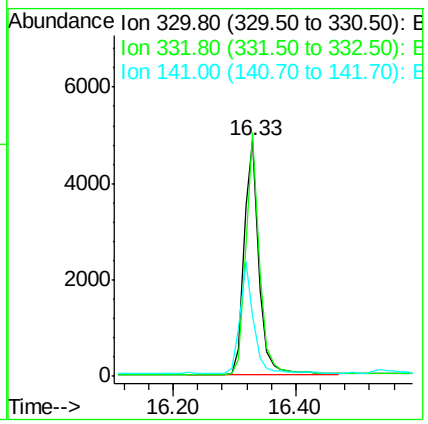


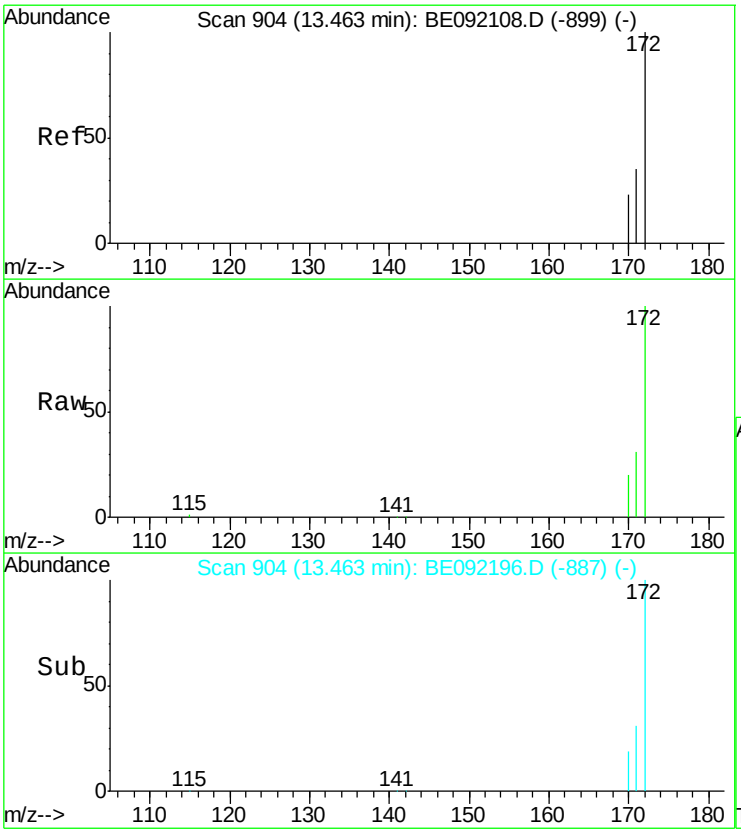
#11
2,4,6-Tribromophenol
Concen: 7.95 ng
RT: 16.33 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE092196.D
Acq: 4 Aug 2016 23:40

Instrument :
BNA_E
ClientSampleId :
GW-55-15.2-19.0

Tgt Ion:330 Resp: 8084

Ion	Ratio	Lower	Upper
330	100		
332	96.8	74.2	111.4
141	44.3	139.8	209.8#

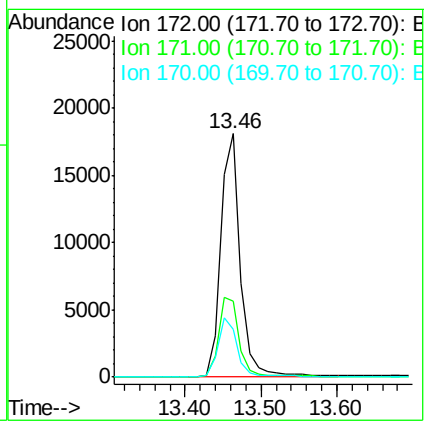


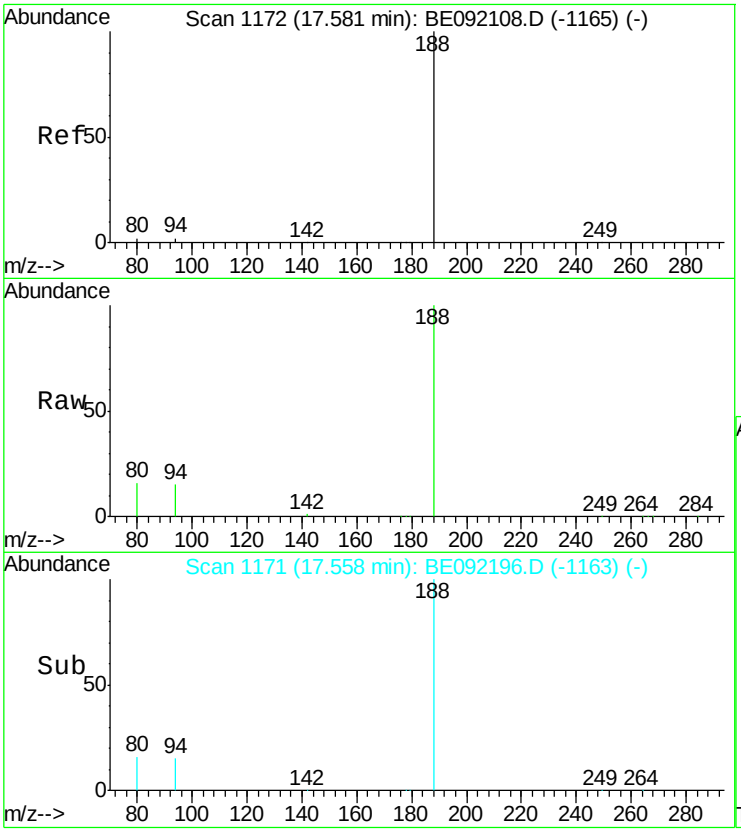


#12
2-Fluorobiphenyl
Concen: 3.29 ng
RT: 13.46 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE092196.D
Acq: 4 Aug 2016 23:40

Tgt Ion:172 Resp: 32676

Ion	Ratio	Lower	Upper
172	100		
171	31.4	30.3	45.5
170	19.5	21.6	32.4#



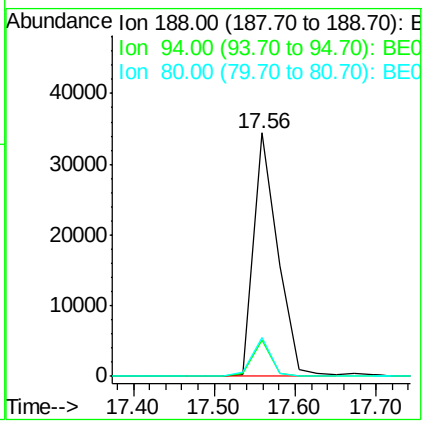


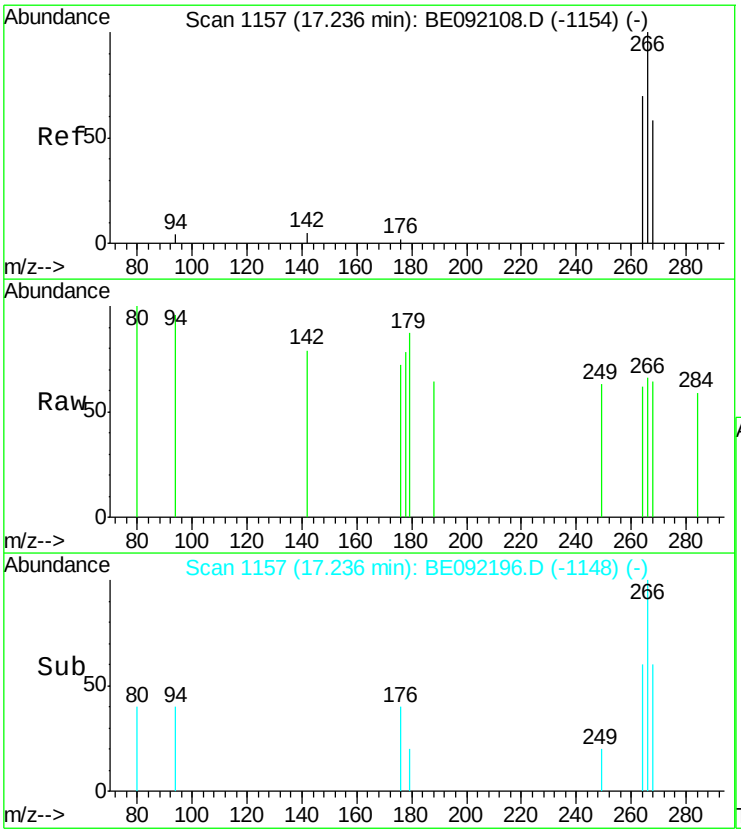
#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092196.D
Acq: 4 Aug 2016 23:40

Instrument :
BNA_E
ClientSampleId :
GW-55-15.2-19.0

Tgt Ion:188 Resp: 71152

Ion	Ratio	Lower	Upper
188	100		
94	15.1	3.9	5.9#
80	15.9	3.4	5.0#

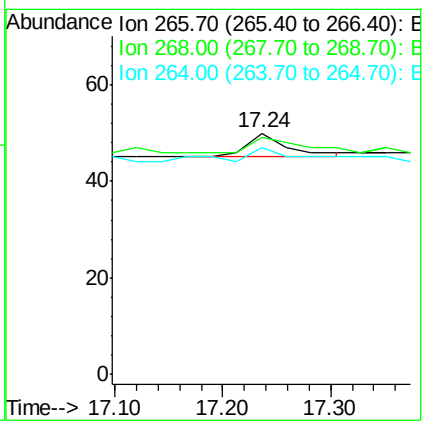


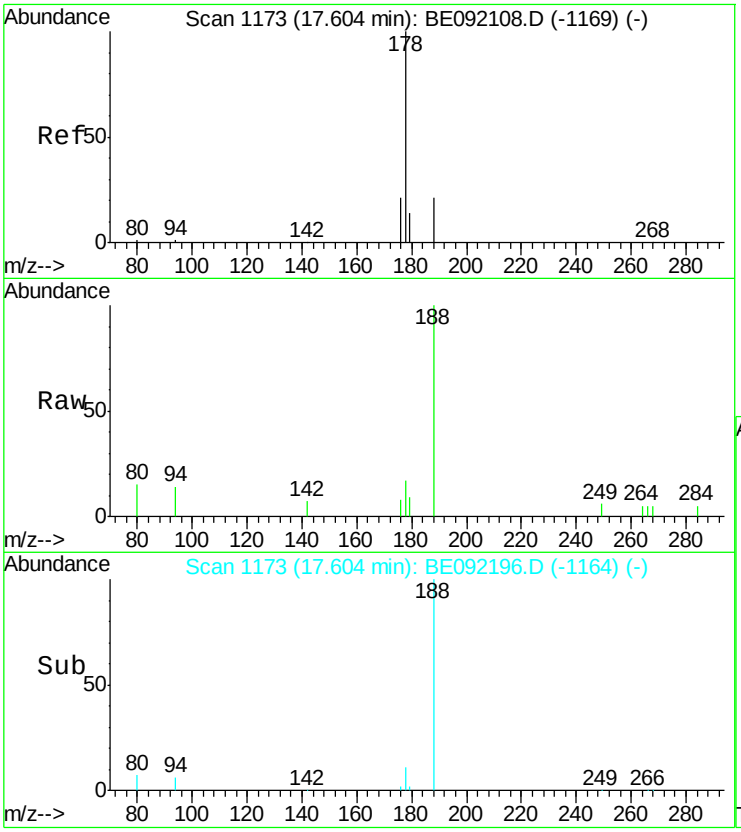


#18
Pentachlorophenol
Concen: 0.20 ng
RT: 17.24 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BE092196.D
Acq: 4 Aug 2016 23:40

Tgt Ion:266 Resp: 14

Ion	Ratio	Lower	Upper
266	100		
268	98.0	62.7	94.1#
264	94.0	63.5	95.3



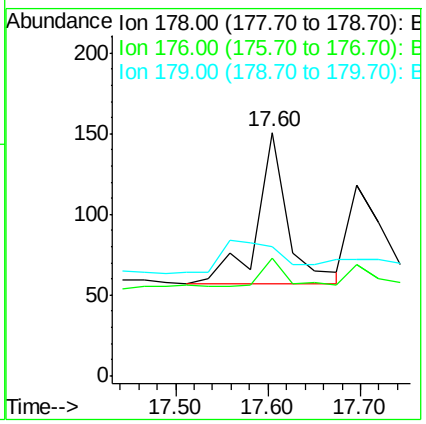


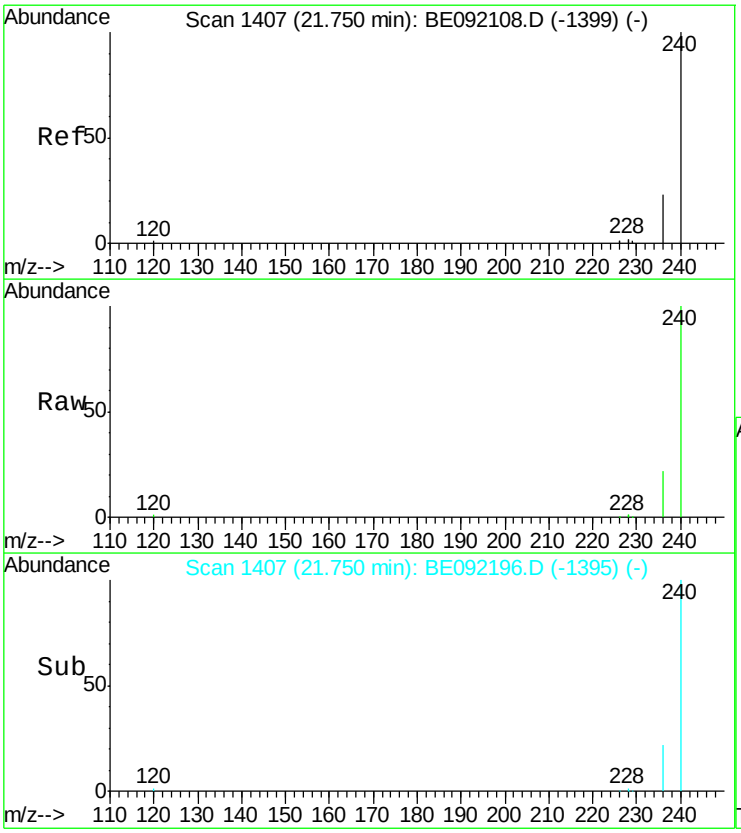
#19
Phenanthrene
Concen: Below Cal
RT: 17.60 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BE092196.D
Acq: 4 Aug 2016 23:40

Instrument :
BNA_E
ClientSampleId :
GW-55-15.2-19.0

Tgt Ion:178 Resp: 220

Ion	Ratio	Lower	Upper
178	100		
176	15.9	15.4	23.0
179	0.0	12.7	19.1#

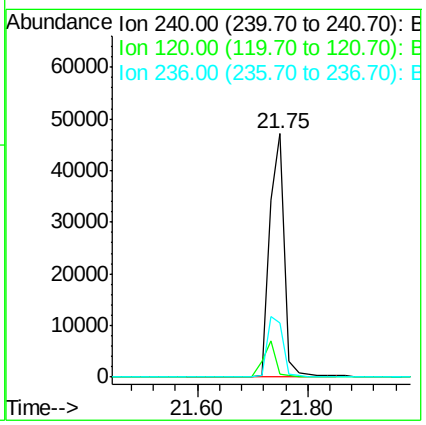


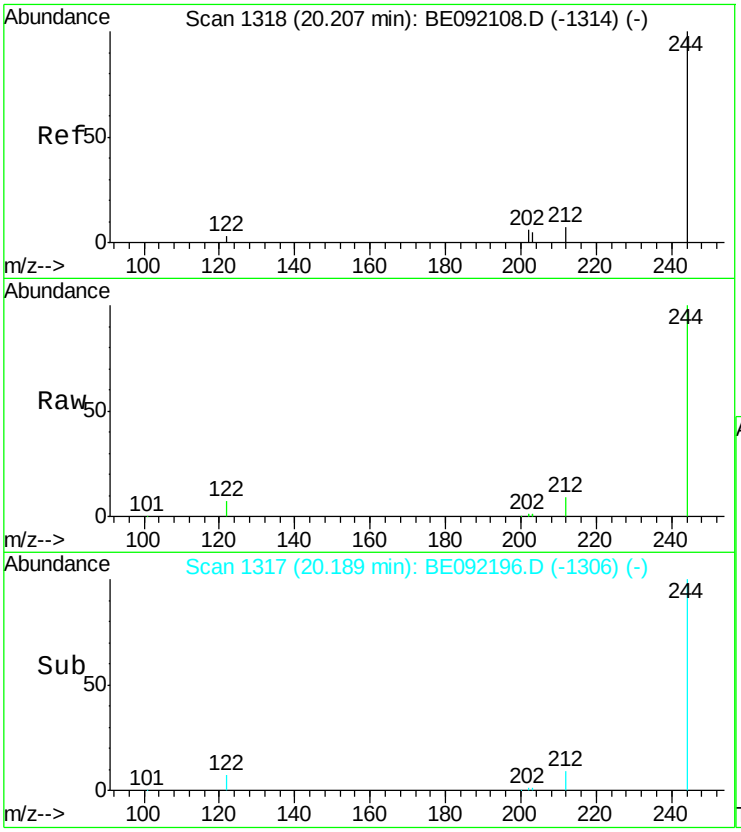


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1407
Delta R.T. -0.00 min
Lab File: BE092196.D
Acq: 4 Aug 2016 23:40

Tgt Ion:240 Resp: 88172

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



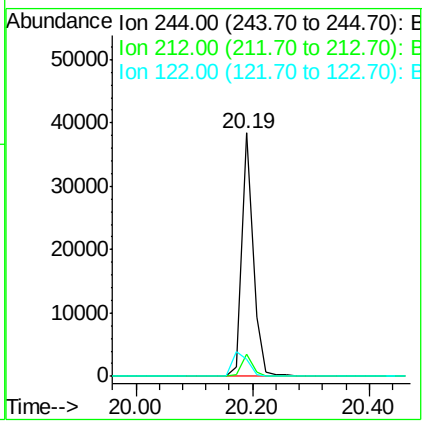


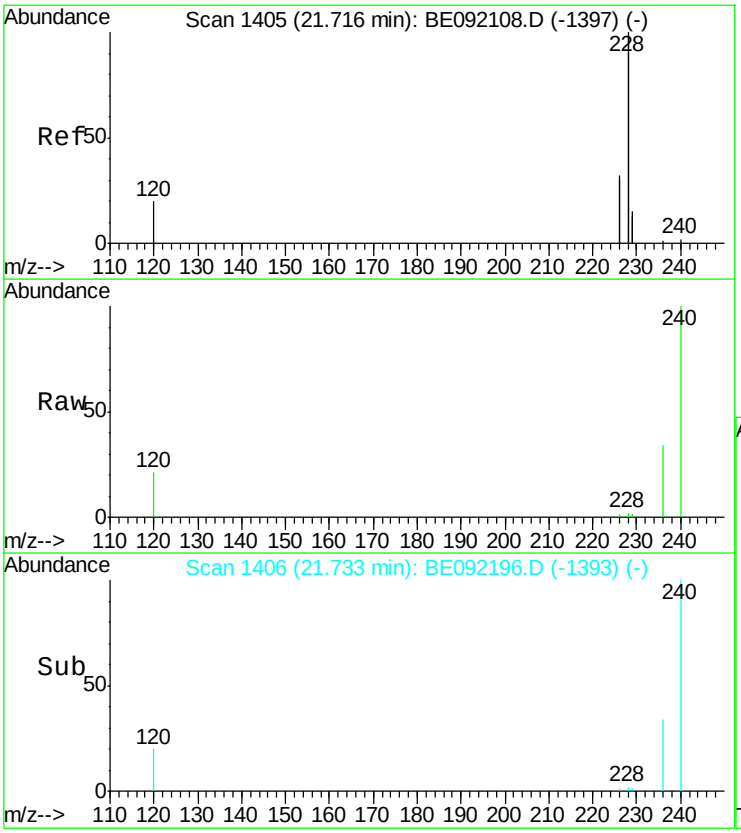
#24
Terphenyl-d14
Concen: 4.07 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092196.D
Acq: 4 Aug 2016 23:40

Instrument :
BNA_E
ClientSampleId :
GW-55-15.2-19.0

Tgt Ion:244 Resp: 51514

Ion	Ratio	Lower	Upper
244	100		
212	8.9	9.1	13.7#
122	7.0	11.0	16.4#

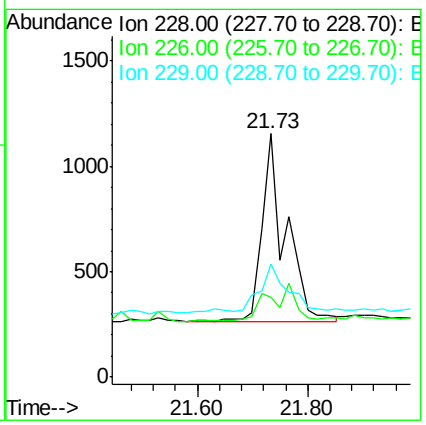


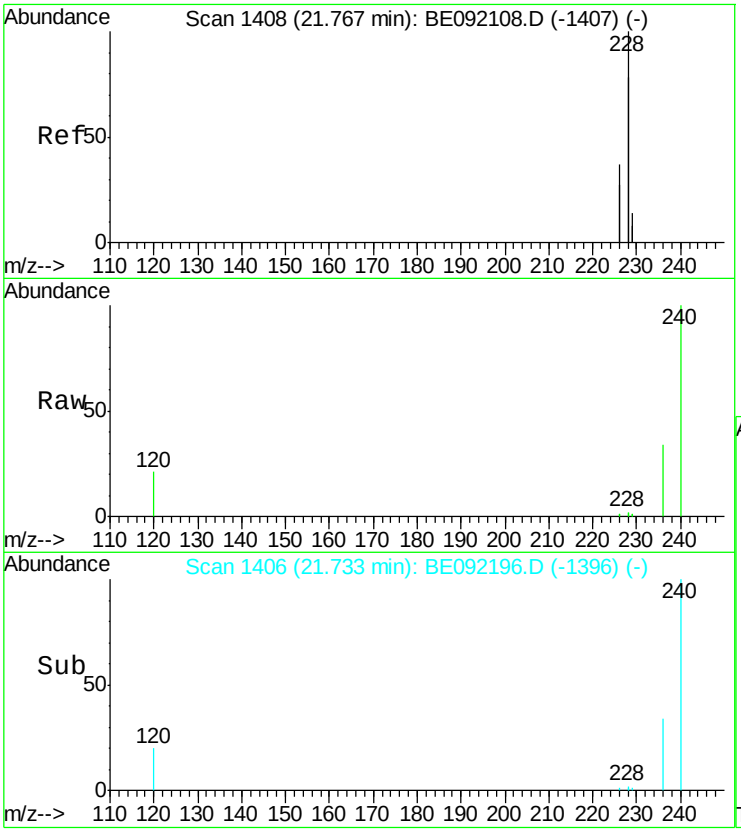


#25
Benzo(a)anthracene
Concen: 0.03 ng
RT: 21.73 min Scan# 1406
Delta R.T. 0.02 min
Lab File: BE092196.D
Acq: 4 Aug 2016 23:40

Tgt Ion:228 Resp: 2639

Ion	Ratio	Lower	Upper
228	100		
226	32.9	22.1	33.1
229	46.5	15.1	22.7#



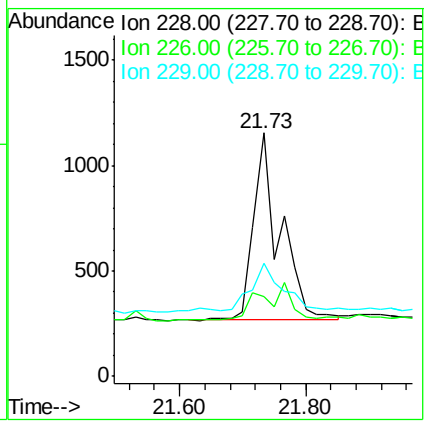


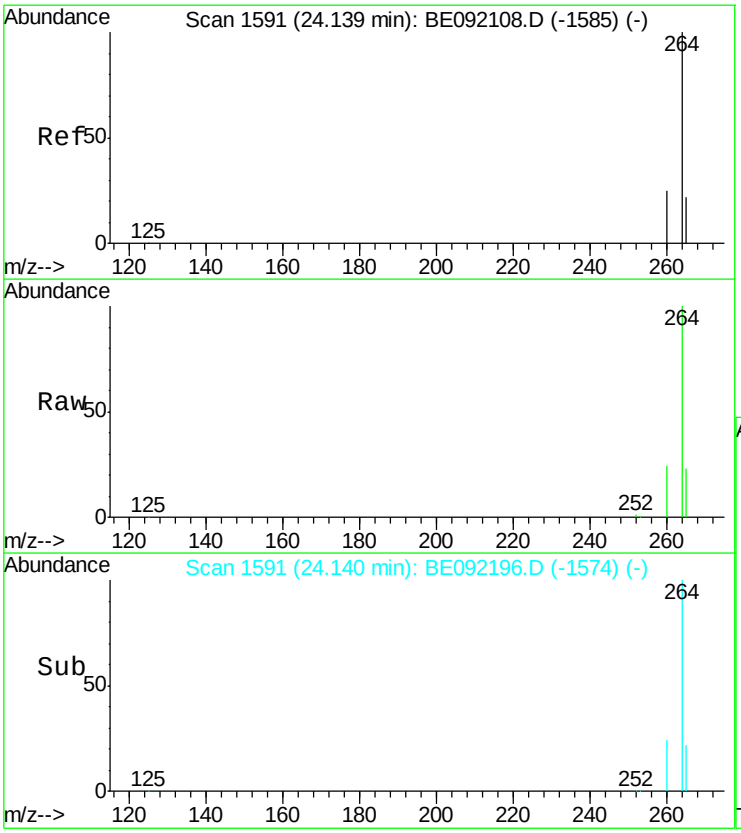
#26
Chrysene
Concen: 0.03 ng
RT: 21.73 min Scan# 1406
Delta R.T. -0.03 min
Lab File: BE092196.D
Acq: 4 Aug 2016 23:40

Instrument :
BNA_E
ClientSampleId :
GW-55-15.2-19.0

Tgt Ion:228 Resp: 2574

Ion	Ratio	Lower	Upper
228	100		
226	32.9	22.3	33.5
229	46.5	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: BE092196.D
Acq: 4 Aug 2016 23:40

Tgt Ion:264 Resp: 87943

Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.8	31.2
265	22.7	16.6	25.0