Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080316\
Data File : BE092156.D
Acq On : 3 Aug 2016 22:01
Operator : UM/SJ
Sample : H4176-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : GW-35-6.0-15.0

Quant Time: Aug 04 03:57:46 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	12893	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	56632	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	30599	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	65255	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	87380	5.00	ng	0.00
28) Perylene-d12	24.14	264	89413	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	213963	64.62	ng	0.00
5) Phenol-d6	7.34	99	197577	44.79	ng	-0.01
7) Nitrobenzene-d5	9.34	82	335129	75.00	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	133897	134.76	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	606697	62.57	ng	0.00
24) Terphenyl-d14	20.19	244	714538	56.94	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.45	88	59	0.03	ng	# 20
3) n-Nitrosodimethylamine	3.72	42	162	0.16	ng	# 1
18) Pentachlorophenol	17.23	266	1471	1.39	ng	# 84
19) Phenanthrene	17.60	178	296	Below Cal		# 77
30) Benzo(k)fluoranthene	23.45	252	46	Below Cal		# 1

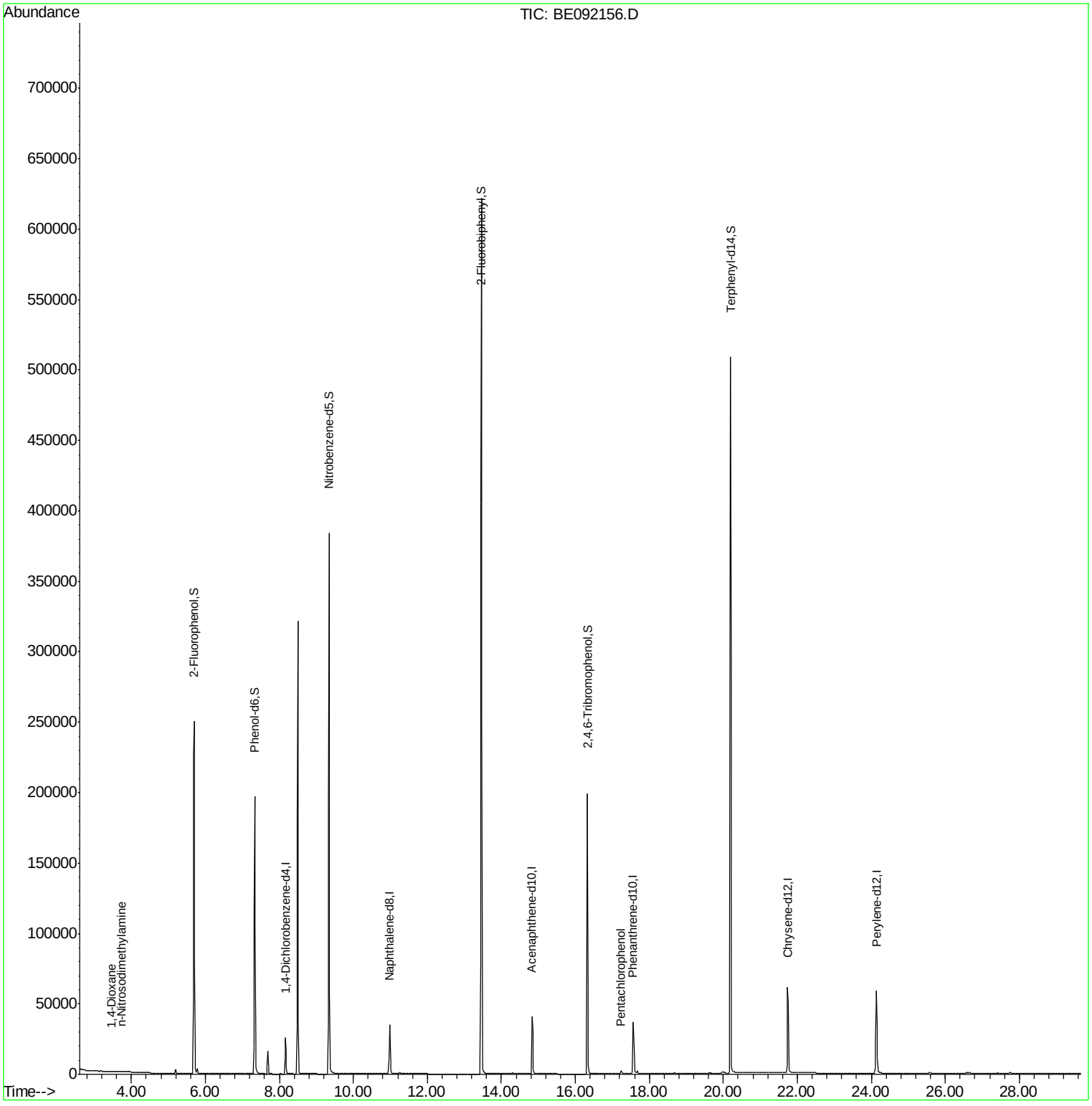
(#) = qualifier out of range (m) = manual integration (+) = signals summed

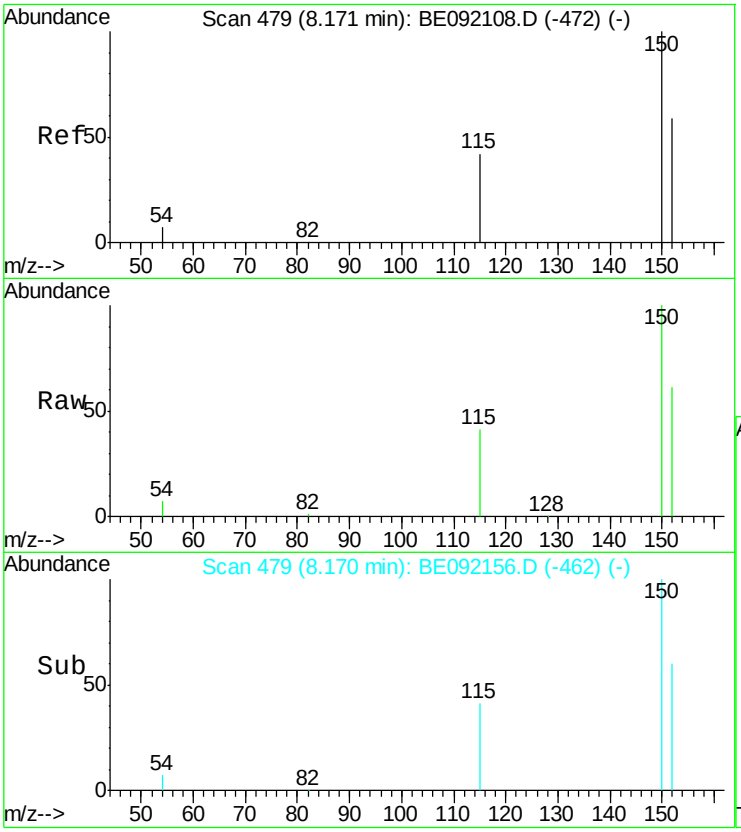
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080316\
Data File : BE092156.D
Acq On : 3 Aug 2016 22:01
Operator : UM/SJ
Sample : H4176-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
GW-35-6.0-15.0

Quant Time: Aug 04 03:57:46 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



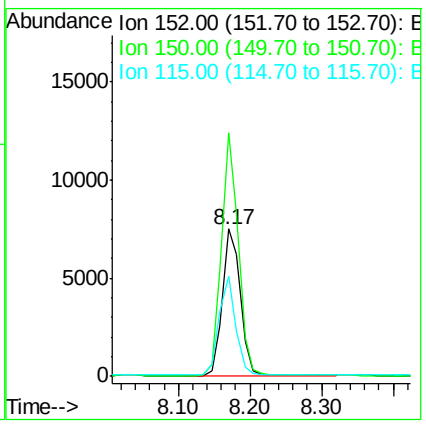


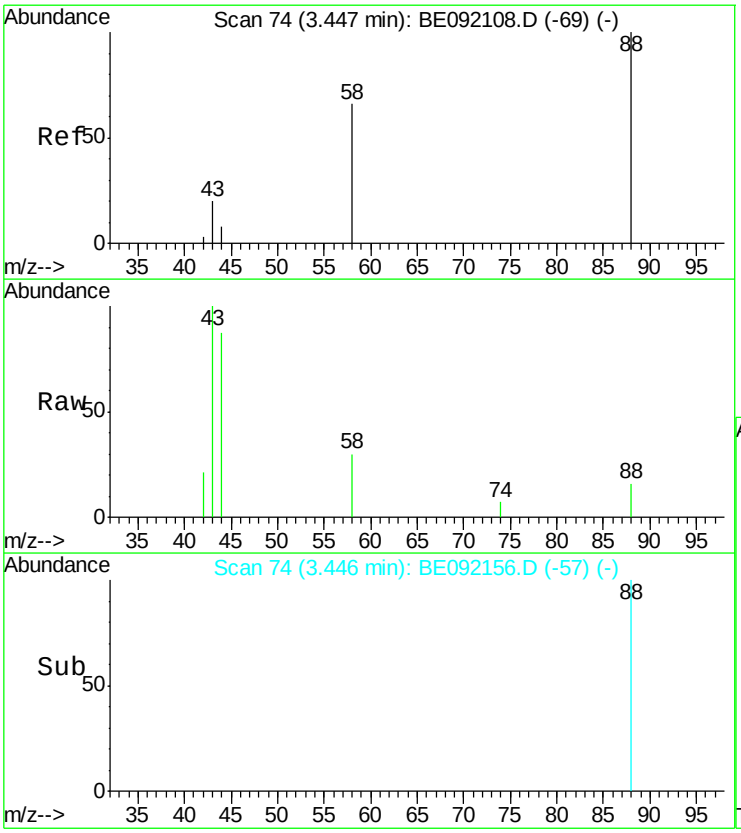
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.17 min Scan# 479
Delta R.T. -0.00 min
Lab File: BE092156.D
Acq: 3 Aug 2016 22:01

Instrument :
BNA_E
ClientSampleId :
GW-35-6.0-15.0

Tgt Ion:152 Resp: 12893

Ion	Ratio	Lower	Upper
152	100		
150	165.1	106.0	159.0#
115	67.6	36.9	55.3#

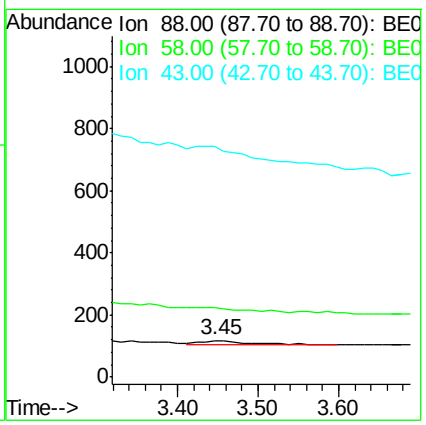


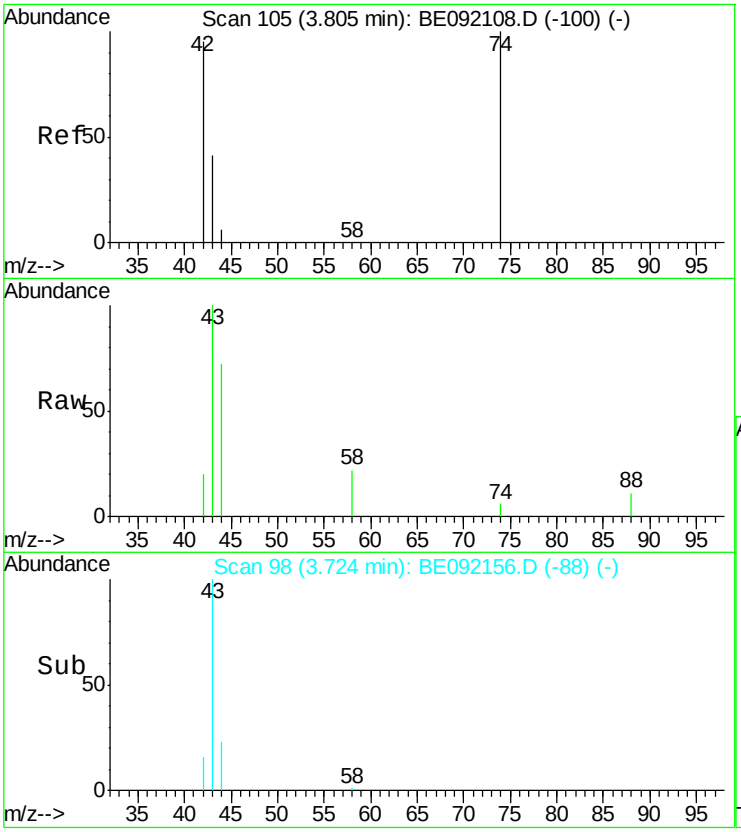


#2
1,4-Dioxane
Concen: 0.03 ng
RT: 3.45 min Scan# 74
Delta R.T. -0.00 min
Lab File: BE092156.D
Acq: 3 Aug 2016 22:01

Tgt Ion: 88 Resp: 59

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



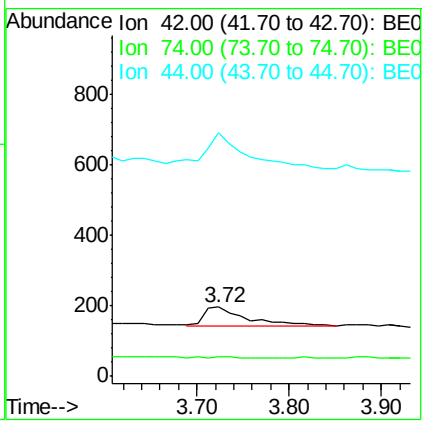


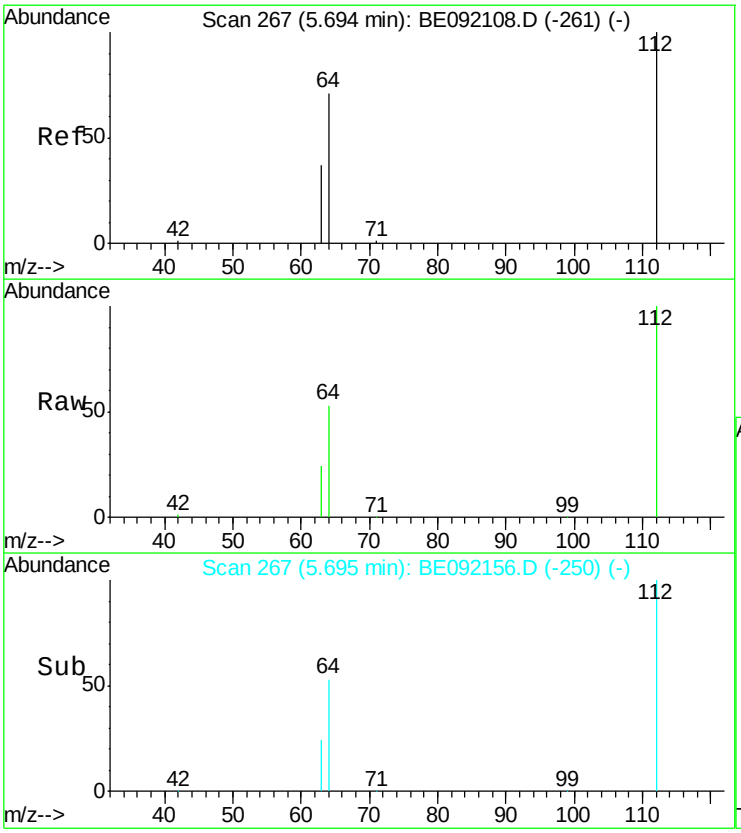
#3
n-Nitrosodimethylamine
Concen: 0.16 ng
RT: 3.72 min Scan# 98
Delta R.T. -0.08 min
Lab File: BE092156.D
Acq: 3 Aug 2016 22:01

Instrument :
BNA_E
ClientSampleId :
GW-35-6.0-15.0

Tgt Ion: 42 Resp: 162

Ion	Ratio	Lower	Upper
42	100		
74	0.0	82.8	124.2#
44	200.6	9.0	13.4#

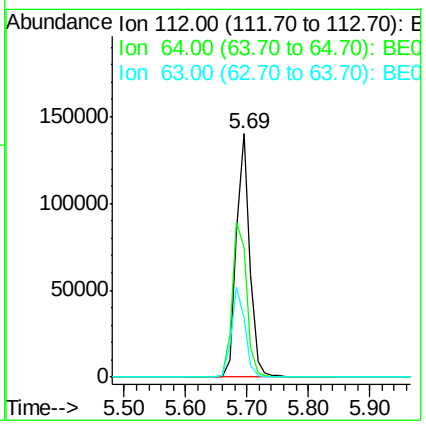


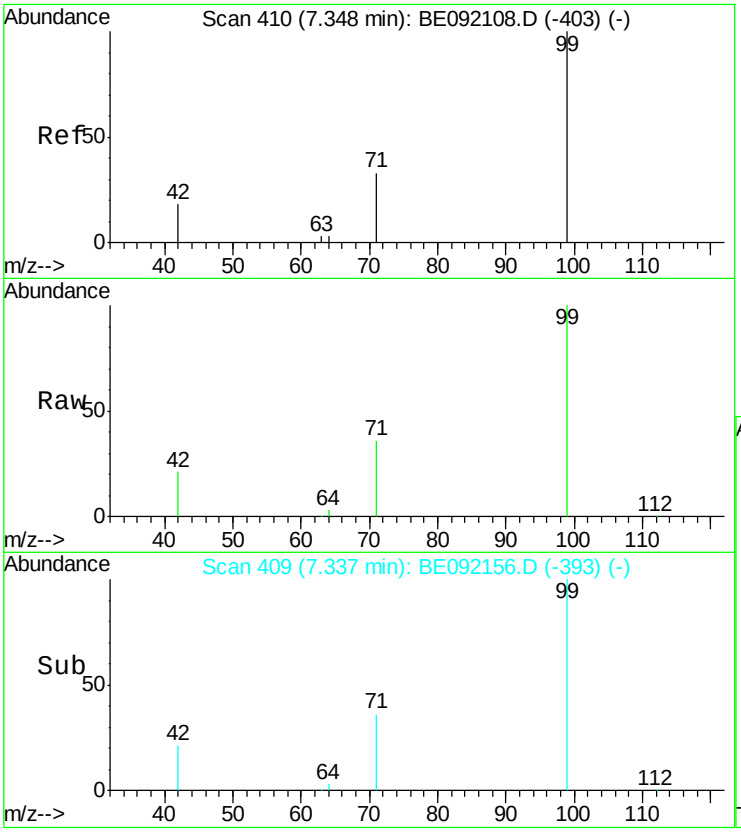


#4
2-Fluorophenol
Concen: 64.62 ng
RT: 5.69 min Scan# 267
Delta R.T. 0.00 min
Lab File: BE092156.D
Acq: 3 Aug 2016 22:01

Tgt Ion:112 Resp: 213963

Ion	Ratio	Lower	Upper
112	100		
64	69.0	55.9	83.9
63	37.2	31.1	46.7



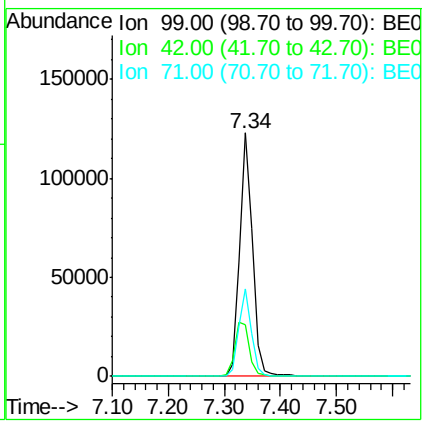


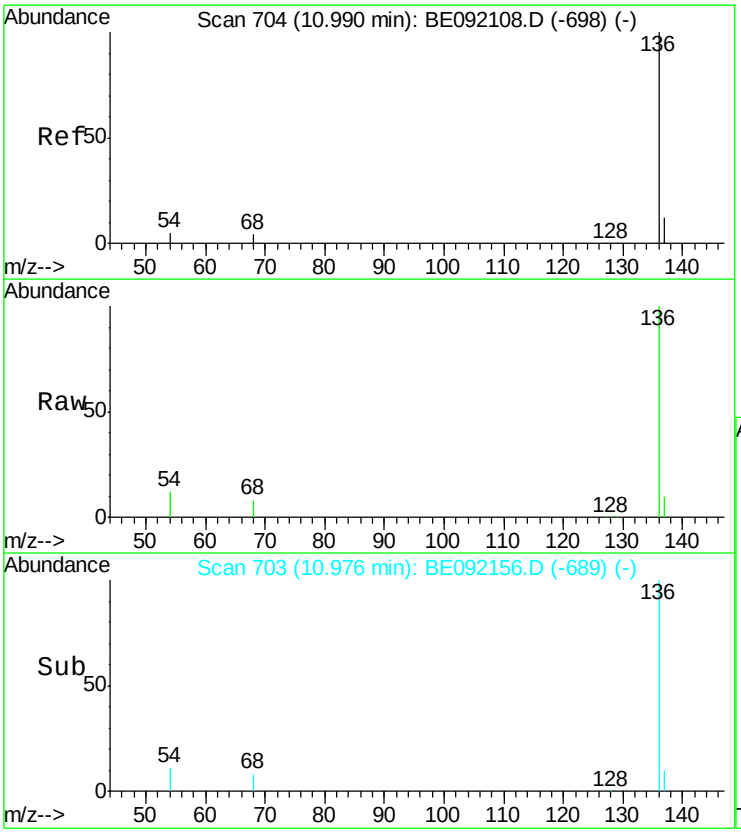
#5
Phenol-d6
Concen: 44.79 ng
RT: 7.34 min Scan# 409
Delta R.T. -0.01 min
Lab File: BE092156.D
Acq: 3 Aug 2016 22:01

Instrument :
BNA_E
ClientSampleId :
GW-35-6.0-15.0

Tgt Ion: 99 Resp: 197577

Ion	Ratio	Lower	Upper
99	100		
42	25.1	22.4	33.6
71	35.8	28.9	43.3

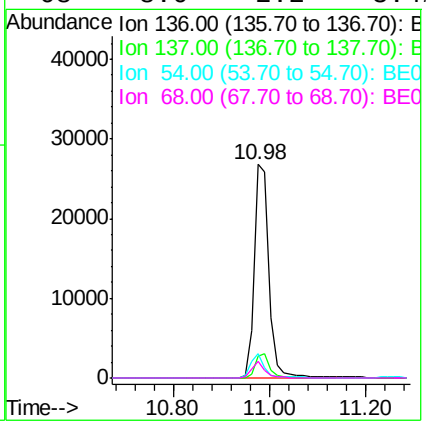


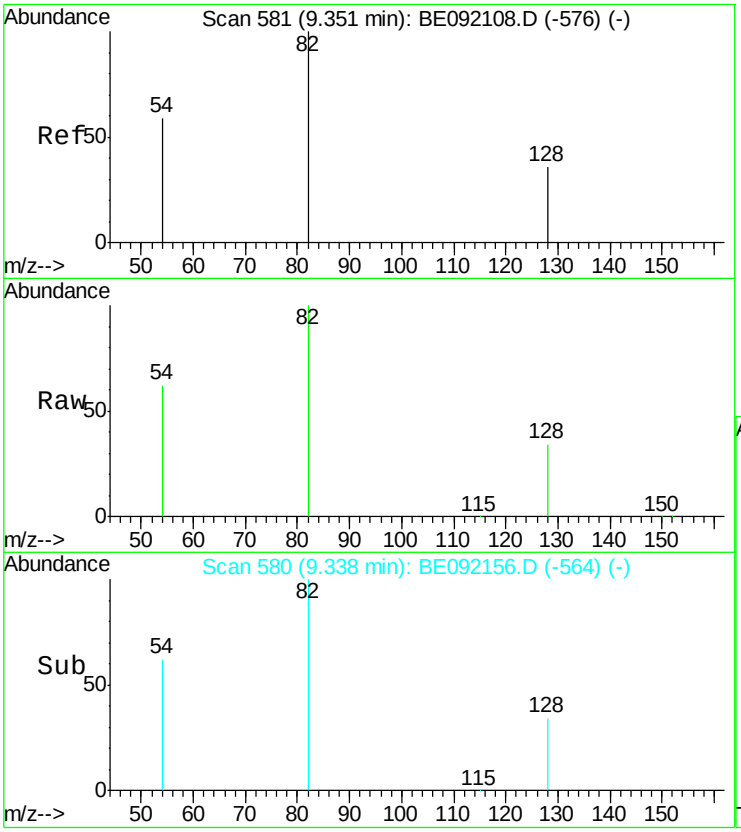


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.98 min Scan# 703
Delta R.T. -0.01 min
Lab File: BE092156.D
Acq: 3 Aug 2016 22:01

Tgt Ion:136 Resp: 56632

Ion	Ratio	Lower	Upper
136	100		
137	10.1	9.1	13.7
54	11.6	2.7	4.1#
68	8.0	2.2	3.4#



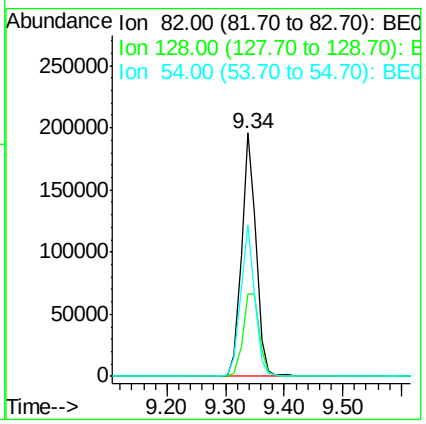


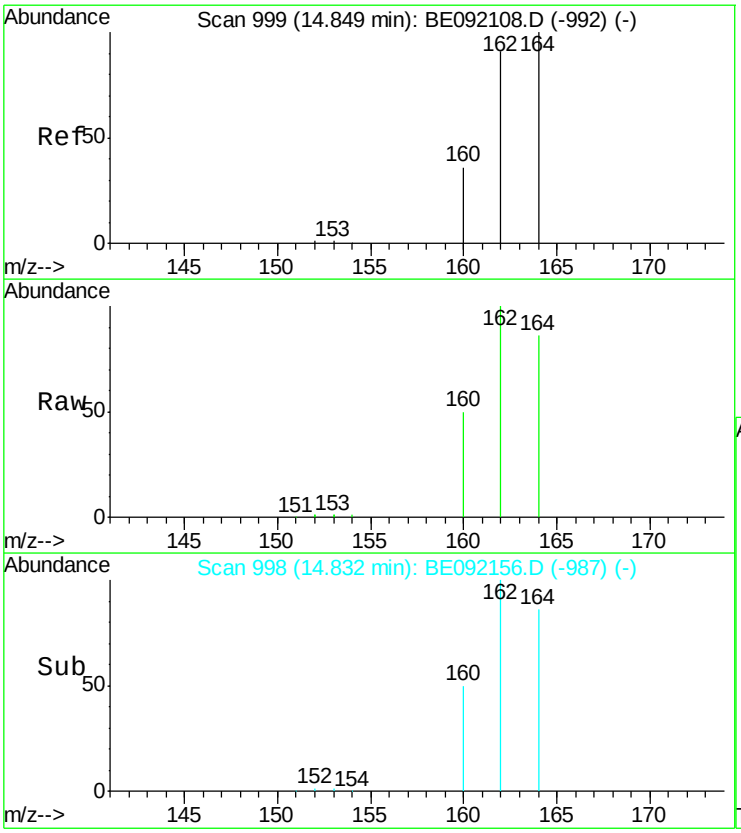
#7
Nitrobenzene-d5
Concen: 75.00 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092156.D
Acq: 3 Aug 2016 22:01

Instrument :
BNA_E
ClientSampleId :
GW-35-6.0-15.0

Tgt Ion: 82 Resp: 335129

Ion	Ratio	Lower	Upper
82	100		
128	34.1	33.0	49.4
54	62.0	42.6	63.8

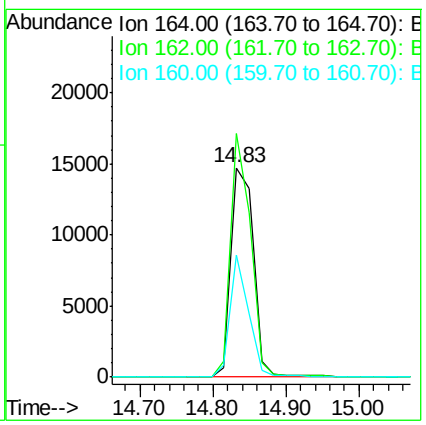


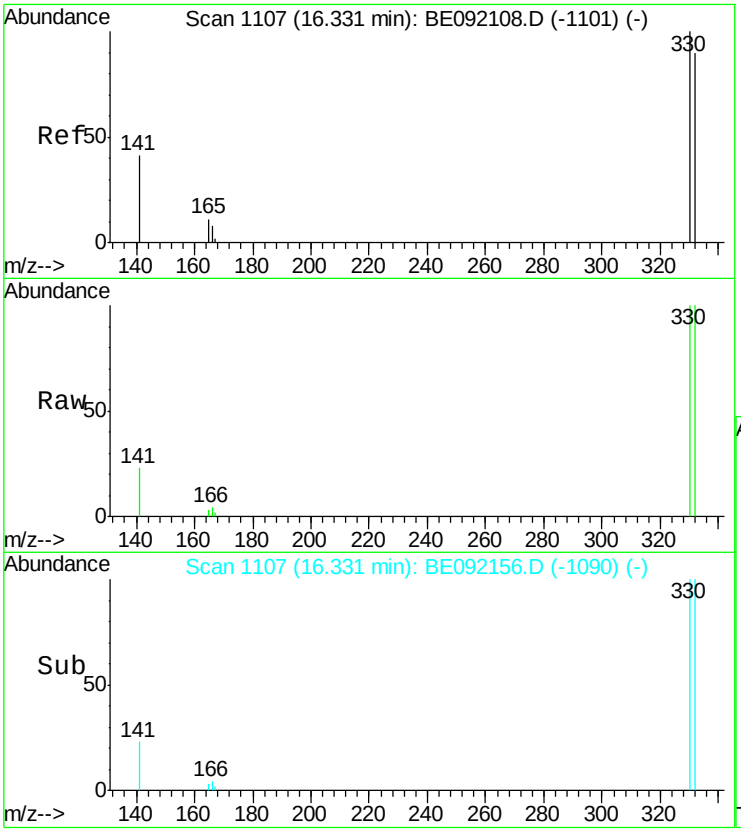


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.83 min Scan# 998
Delta R.T. -0.02 min
Lab File: BE092156.D
Acq: 3 Aug 2016 22:01

Tgt Ion:164 Resp: 30599

Ion	Ratio	Lower	Upper
164	100		
162	116.3	69.5	104.3#
160	58.1	27.6	41.4#



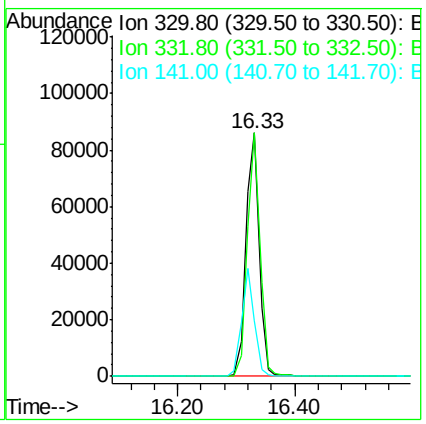


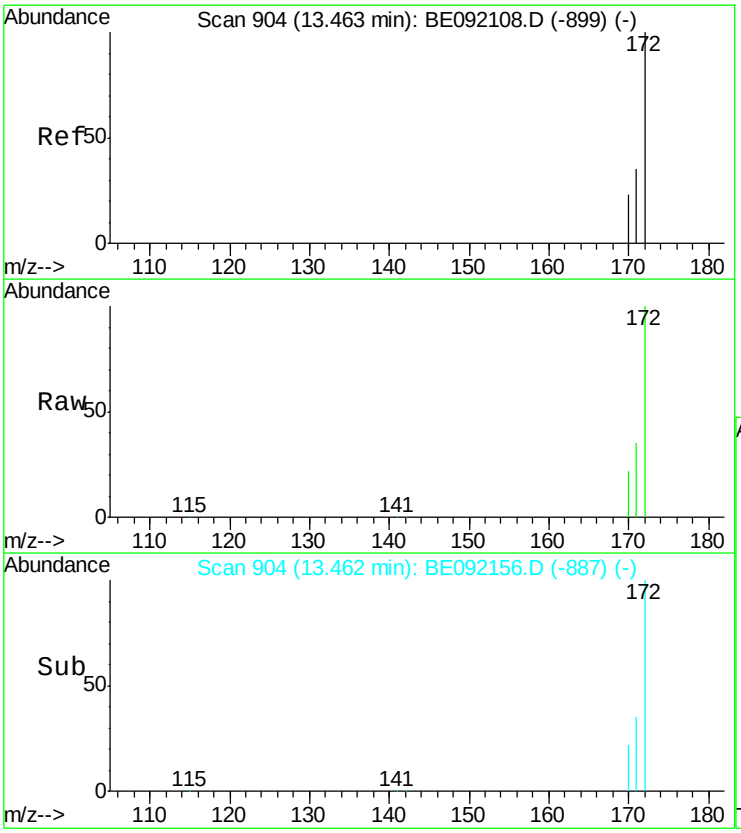
#11
2,4,6-Tribromophenol
Concen: 134.76 ng
RT: 16.33 min Scan# 1107
Delta R.T. 0.00 min
Lab File: BE092156.D
Acq: 3 Aug 2016 22:01

Instrument :
BNA_E
ClientSampleId :
GW-35-6.0-15.0

Tgt Ion:330 Resp: 133897

Ion	Ratio	Lower	Upper
330	100		
332	96.2	74.2	111.4
141	42.8	139.8	209.8#

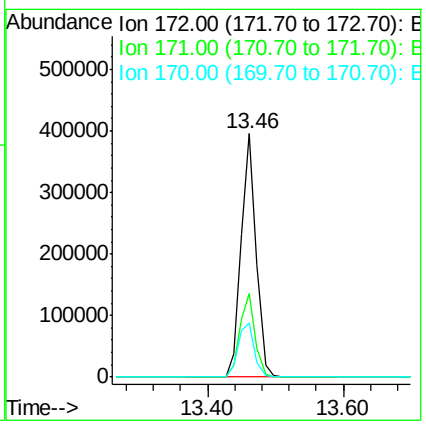


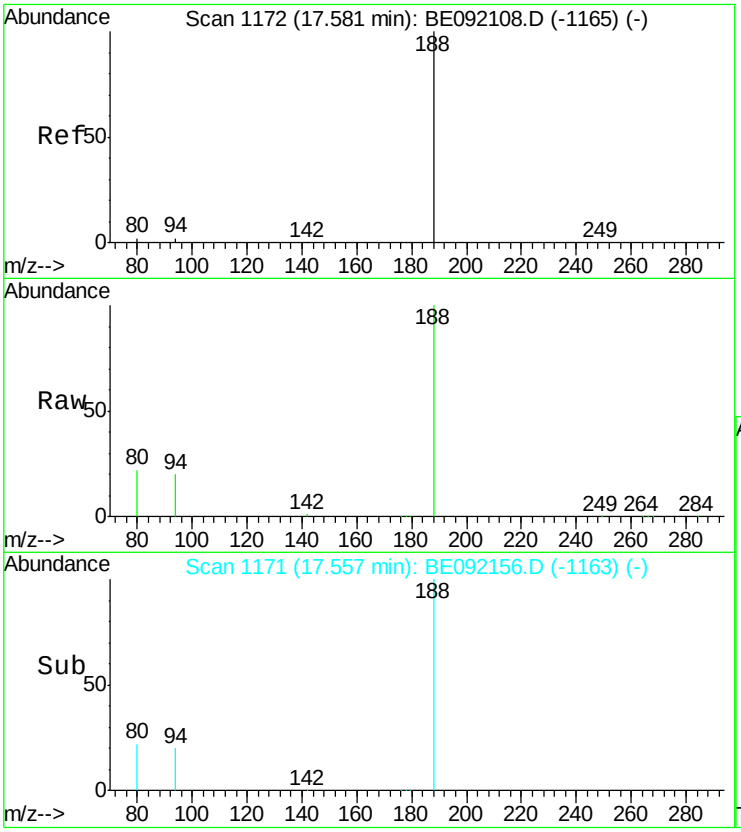


#12
2-Fluorobiphenyl
Concen: 62.57 ng
RT: 13.46 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE092156.D
Acq: 3 Aug 2016 22:01

Tgt Ion:172 Resp: 606697

Ion	Ratio	Lower	Upper
172	100		
171	34.5	30.3	45.5
170	22.3	21.6	32.4



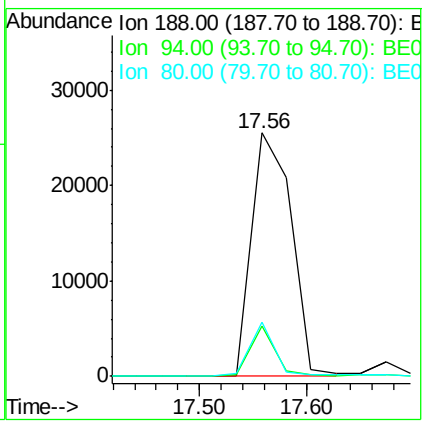


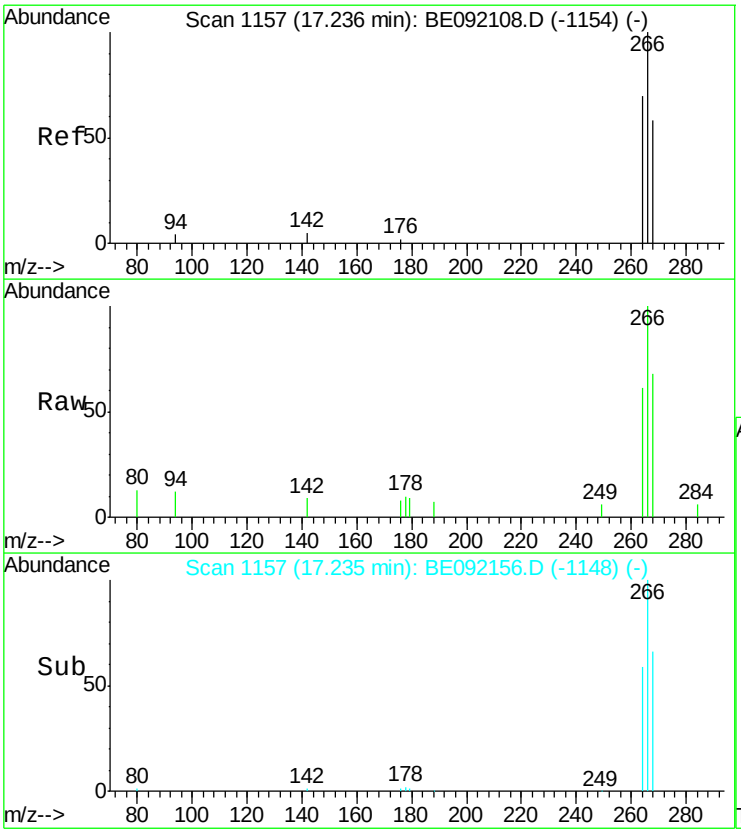
#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092156.D
Acq: 3 Aug 2016 22:01

Instrument :
BNA_E
ClientSampleId :
GW-35-6.0-15.0

Tgt Ion:188 Resp: 65255

Ion	Ratio	Lower	Upper
188	100		
94	20.5	3.9	5.9#
80	22.1	3.4	5.0#

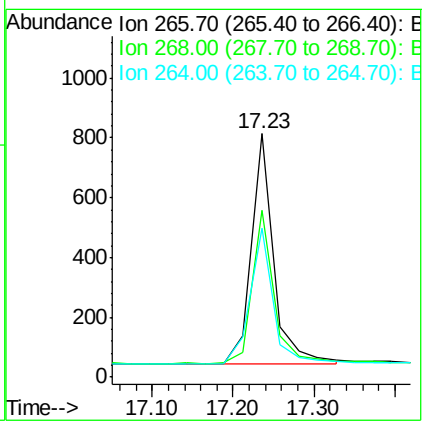


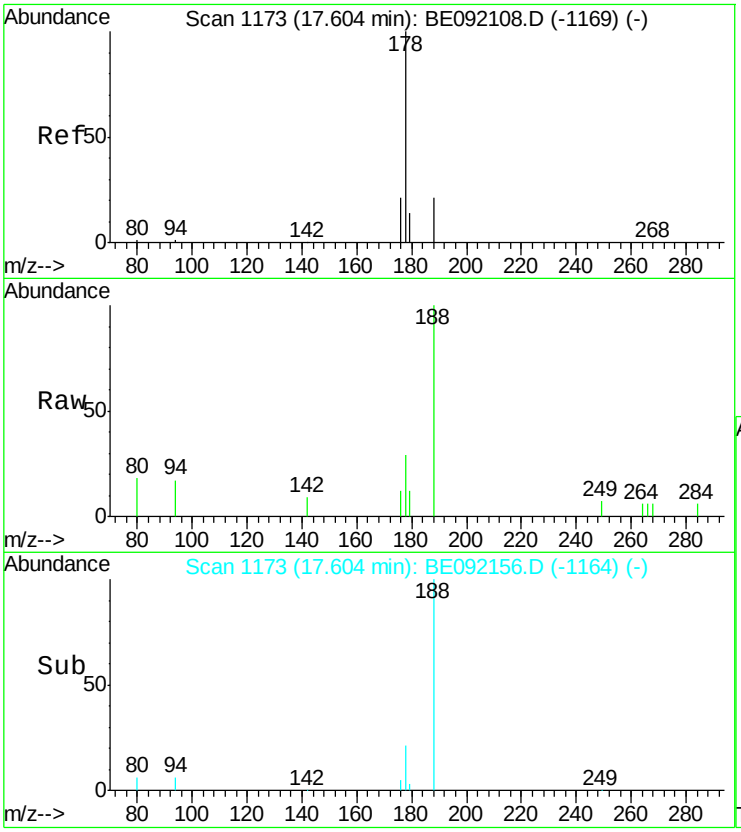


#18
Pentachlorophenol
Concen: 1.39 ng
RT: 17.23 min Scan# 1157
Delta R.T. -0.00 min
Lab File: BE092156.D
Acq: 3 Aug 2016 22:01

Tgt Ion:266 Resp: 1471

Ion	Ratio	Lower	Upper
266	100		
268	68.3	62.7	94.1
264	61.3	63.5	95.3#



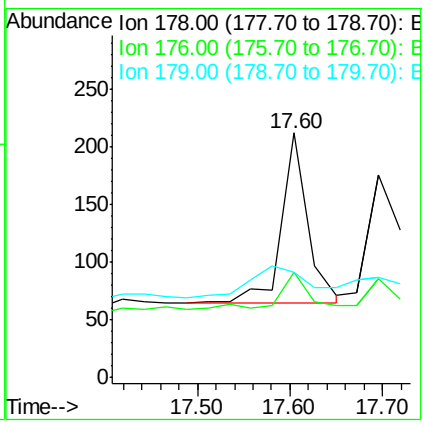


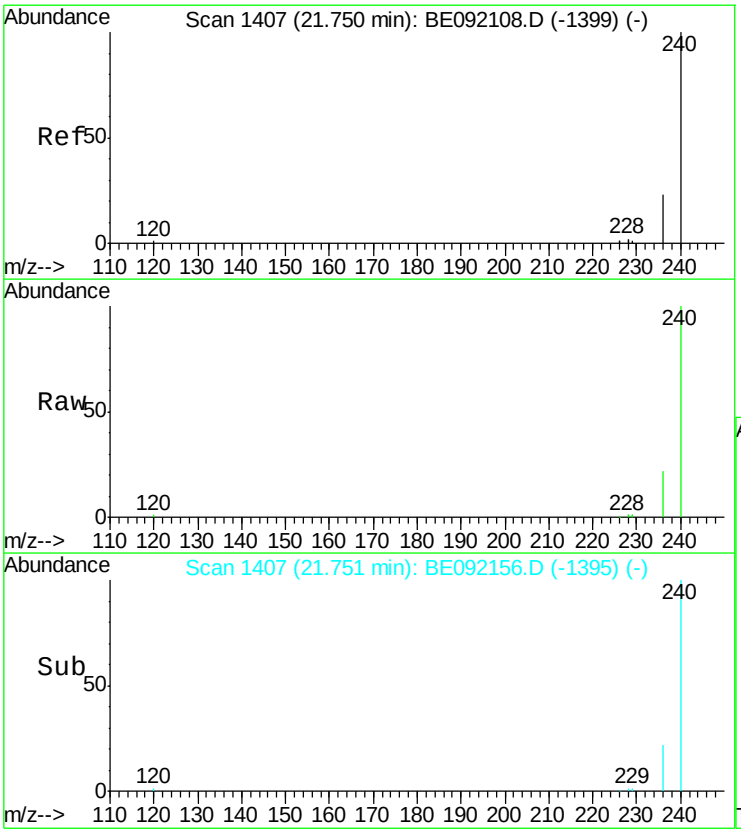
#19
Phenanthrene
Concen: Below Cal
RT: 17.60 min Scan# 1173
Delta R.T. -0.00 min
Lab File: BE092156.D
Acq: 3 Aug 2016 22:01

Instrument :
BNA_E
ClientSampleId :
GW-35-6.0-15.0

Tgt Ion:178 Resp: 296

Ion	Ratio	Lower	Upper
178	100		
176	24.3	15.4	23.0#
179	0.0	12.7	19.1#

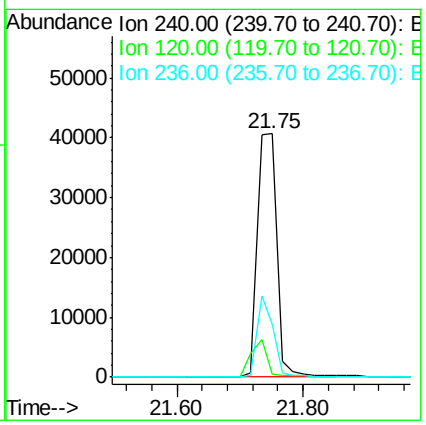


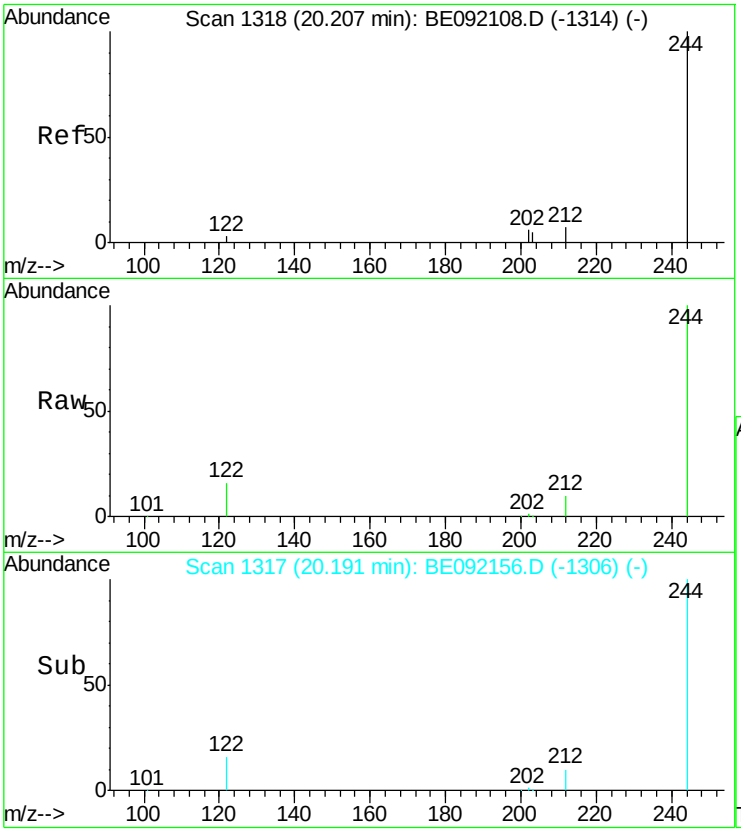


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1407
Delta R.T. 0.00 min
Lab File: BE092156.D
Acq: 3 Aug 2016 22:01

Tgt Ion:240 Resp: 87380

Ion	Ratio	Lower	Upper
240	100		
120	1.3	0.6	1.0#
236	21.8	18.2	27.4



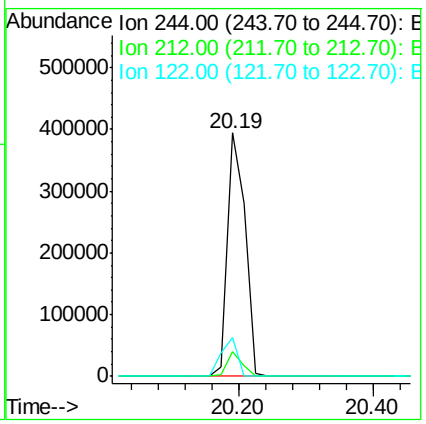


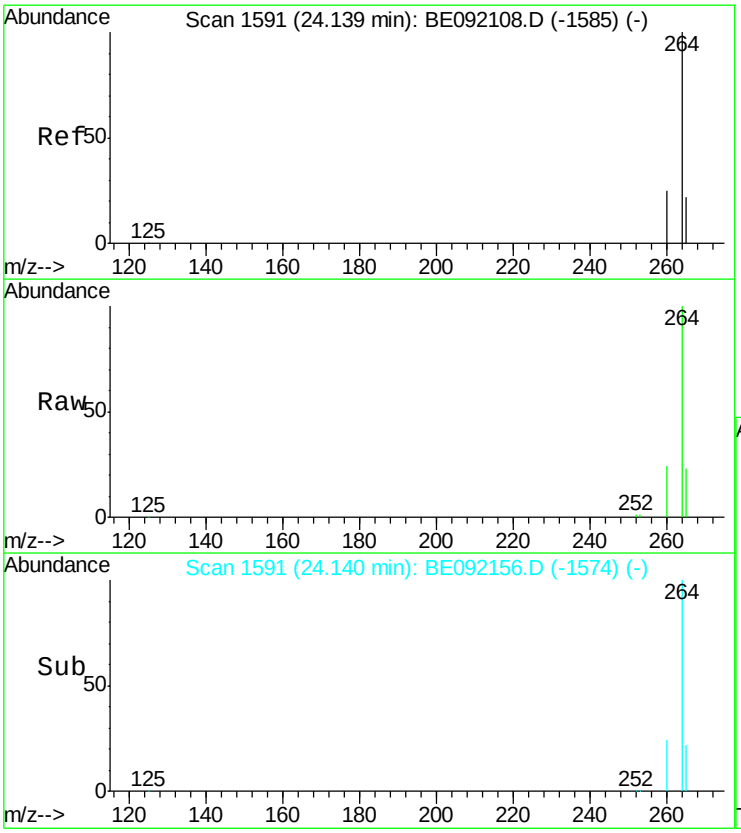
#24
Terphenyl-d14
Concen: 56.94 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092156.D
Acq: 3 Aug 2016 22:01

Instrument :
BNA_E
ClientSampleId :
GW-35-6.0-15.0

Tgt Ion:244 Resp: 714538

Ion	Ratio	Lower	Upper
244	100		
212	10.0	9.1	13.7
122	16.2	11.0	16.4





#28
Perylene-d12
Concen: 5.00 ng
RT: 24.14 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BE092156.D
Acq: 3 Aug 2016 22:01

Tgt Ion:264 Resp: 89413

Ion	Ratio	Lower	Upper
264	100		
260	24.1	20.8	31.2
265	22.8	16.6	25.0