Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080416\
Data File : BE092193.D
Acq On : 4 Aug 2016 21:47
Operator : UM/SJ
Sample : H4269-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : GW-52-11.1-15.0

Quant Time: Aug 05 03:56:32 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	10631	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	47900	5.00	ng	-0.02
10) Acenaphthene-d10	14.83	164	26276	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	62412	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	79325	5.00	ng	0.00
28) Perylene-d12	24.14	264	78653	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	11366	4.16	ng	0.00
5) Phenol-d6	7.35	99	9443	2.60	ng	0.00
7) Nitrobenzene-d5	9.34	82	12417	3.29	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	6814	7.99	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	28055	3.37	ng	0.00
24) Terphenyl-d14	20.19	244	46922	4.12	ng	-0.02
Target Compounds						Qvalue
23) Pyrene	19.99	202	1662	0.02	ng	# 79
27) Indeno(1,2,3-cd)pyrene	26.65	276	2018	0.02	ng	97
33) Benzo(g,h,i)perylene	27.42	276	3026	0.04	ng	# 63

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

Quantitation Report (QT Reviewed)

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GW-52-11.1-15.0

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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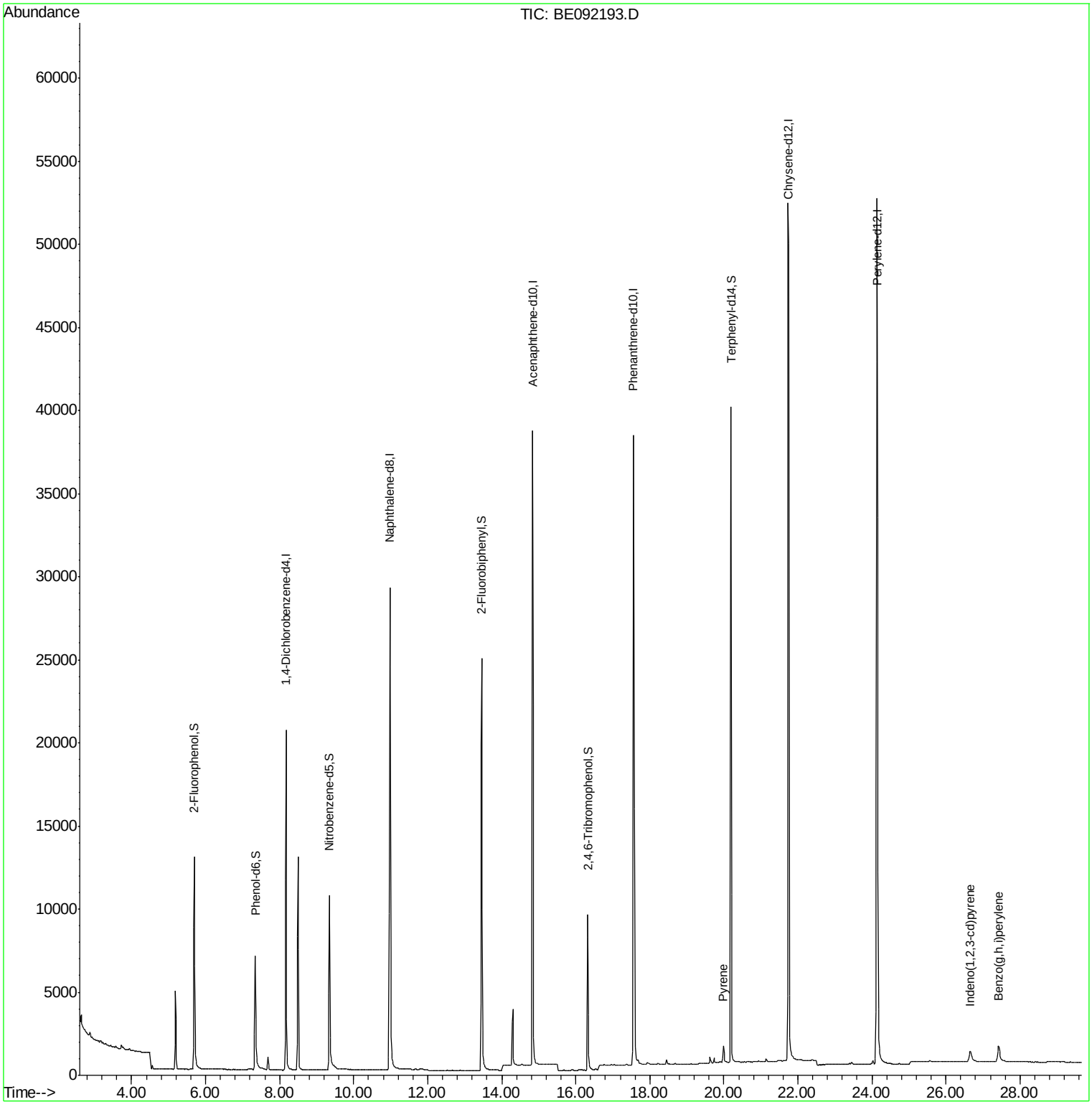
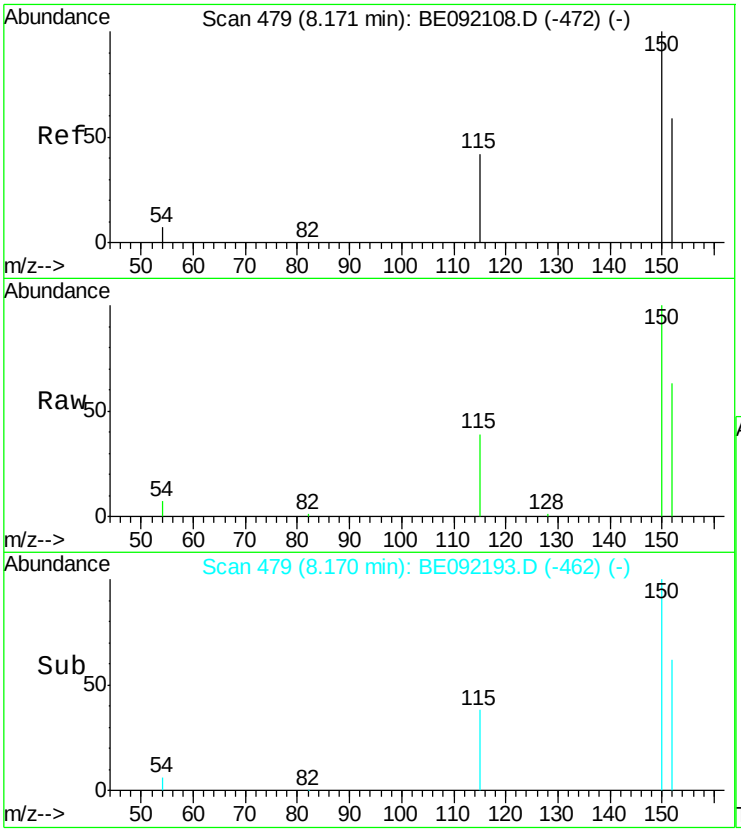


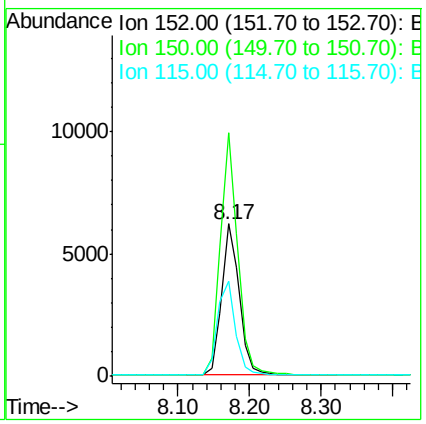


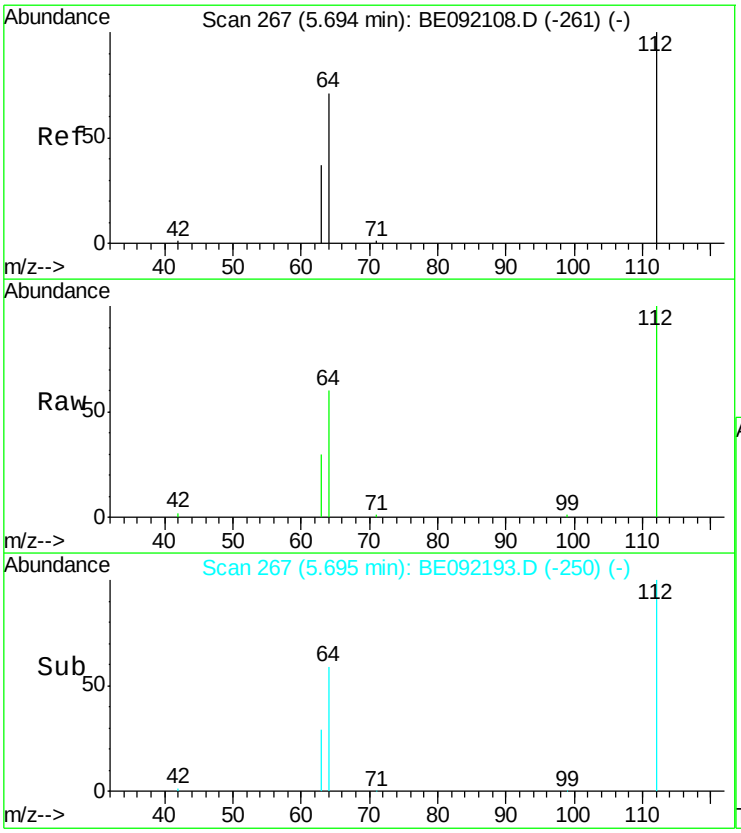
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.17 min Scan# 479
Delta R.T. -0.00 min
Lab File: BE092193.D
Acq: 4 Aug 2016 21:47

Instrument :
BNA_E
ClientSampleId :
GW-52-11.1-15.0

Tgt Ion:152 Resp: 10631

Ion	Ratio	Lower	Upper
152	100		
150	159.7	106.0	159.0#
115	62.0	36.9	55.3#

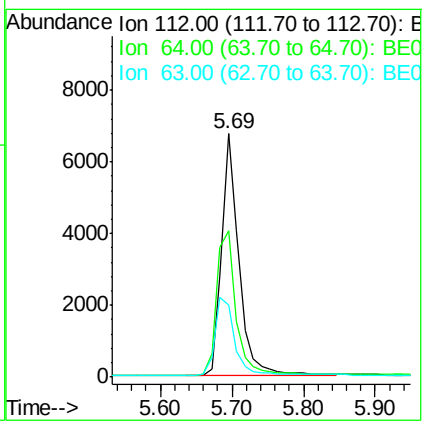


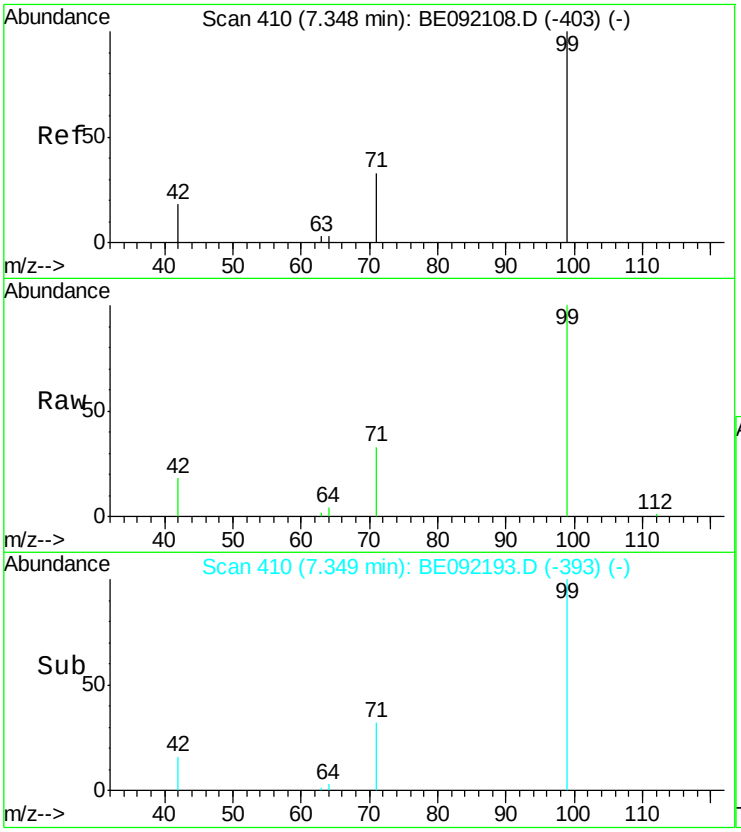


#4
2-Fluorophenol
Concen: 4.16 ng
RT: 5.69 min Scan# 267
Delta R.T. 0.00 min
Lab File: BE092193.D
Acq: 4 Aug 2016 21:47

Tgt Ion:112 Resp: 11366

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



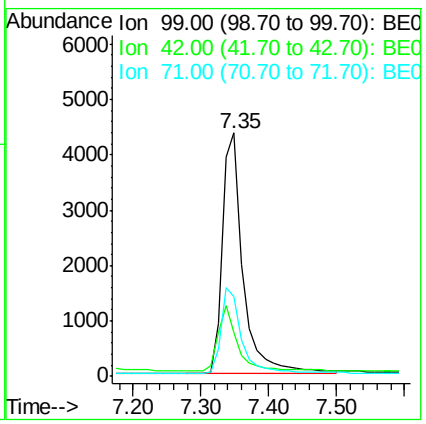


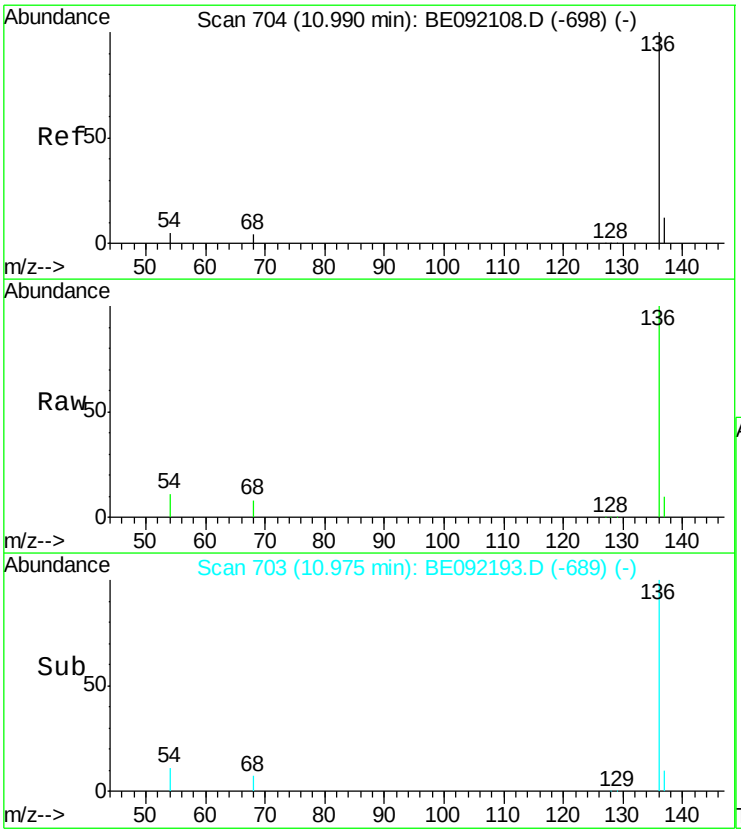
#5
Phenol-d6
Concen: 2.60 ng
RT: 7.35 min Scan# 410
Delta R.T. 0.00 min
Lab File: BE092193.D
Acq: 4 Aug 2016 21:47

Instrument :
BNA_E
ClientSampleId :
GW-52-11.1-15.0

Tgt Ion: 99 Resp: 9443

Ion	Ratio	Lower	Upper
99	100		
42	25.3	22.4	33.6
71	35.5	28.9	43.3

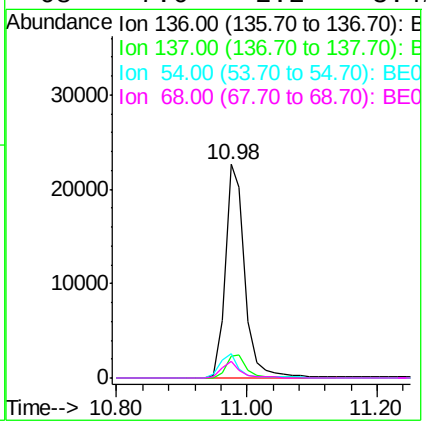


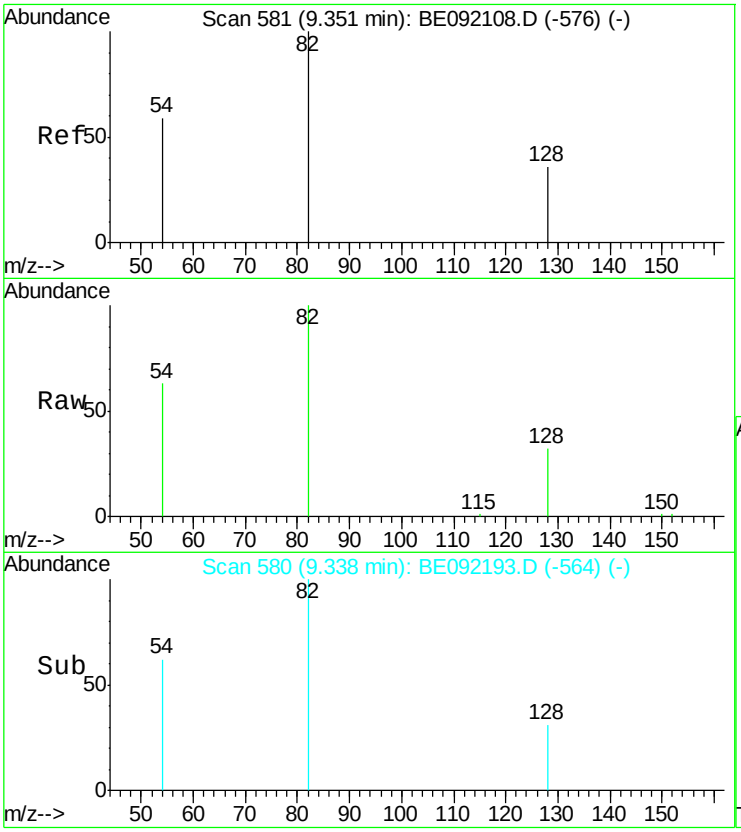


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.98 min Scan# 703
Delta R.T. -0.02 min
Lab File: BE092193.D
Acq: 4 Aug 2016 21:47

Tgt Ion:136 Resp: 47900

Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	11.1	2.7	4.1#
68	7.6	2.2	3.4#



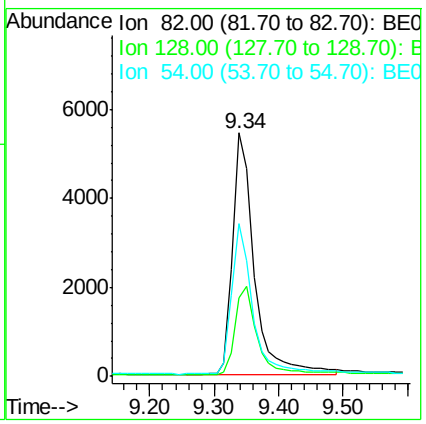


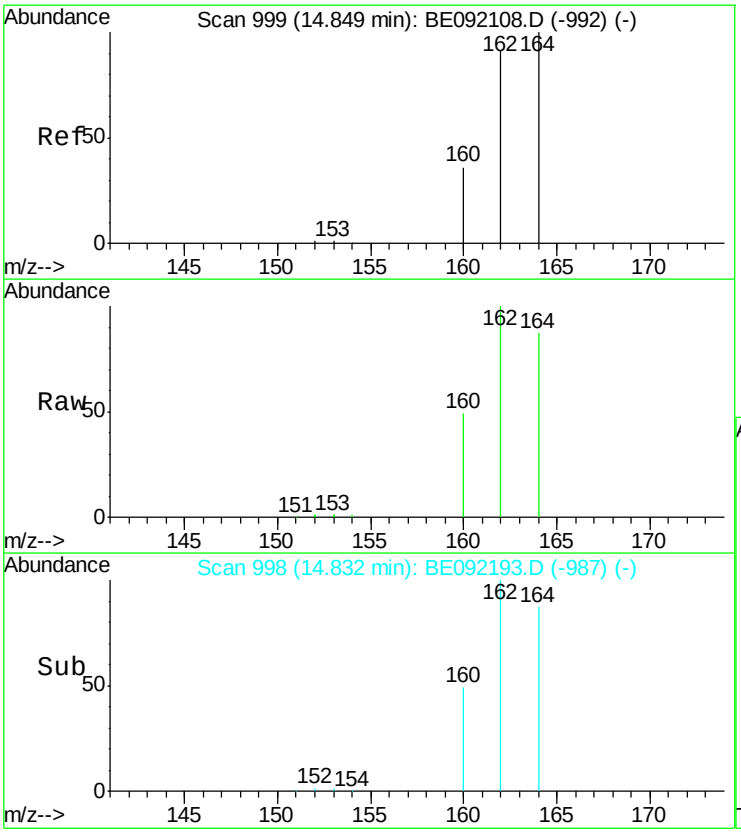
#7
Nitrobenzene-d5
Concen: 3.29 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092193.D
Acq: 4 Aug 2016 21:47

Instrument :
BNA_E
ClientSampleId :
GW-52-11.1-15.0

Tgt Ion: 82 Resp: 12417

Ion	Ratio	Lower	Upper
82	100		
128	32.1	33.0	49.4#
54	62.6	42.6	63.8

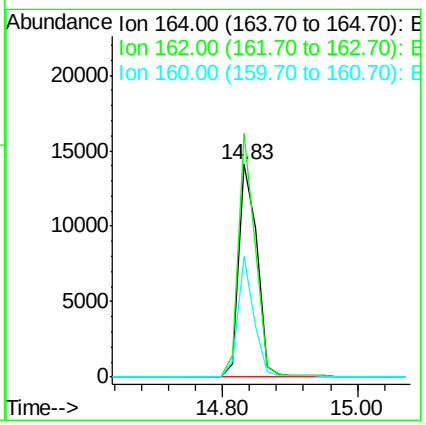


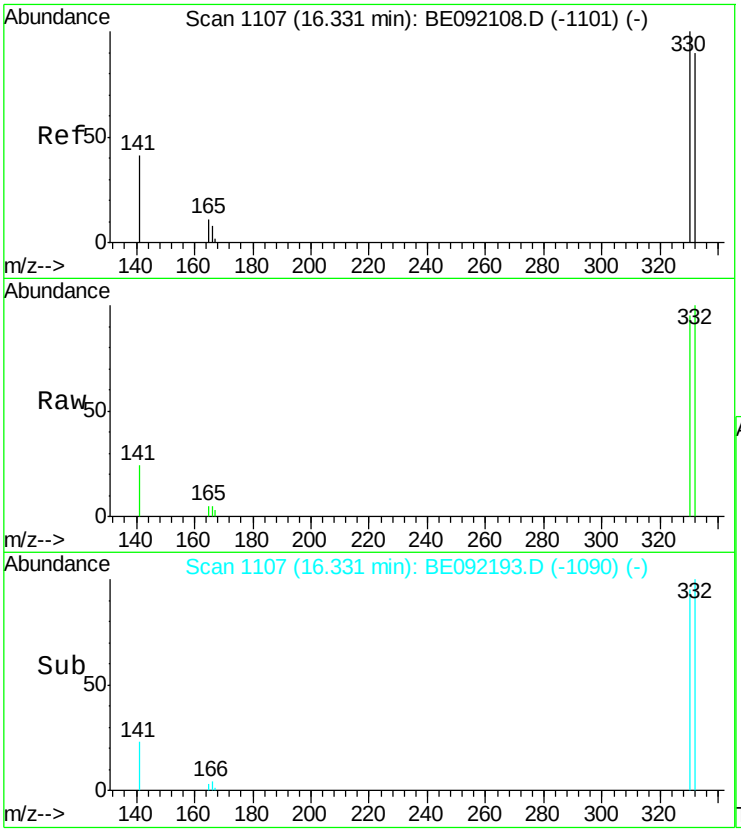


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.83 min Scan# 998
Delta R.T. -0.02 min
Lab File: BE092193.D
Acq: 4 Aug 2016 21:47

Tgt Ion:164 Resp: 26276

Ion	Ratio	Lower	Upper
164	100		
162	114.5	69.5	104.3#
160	56.6	27.6	41.4#



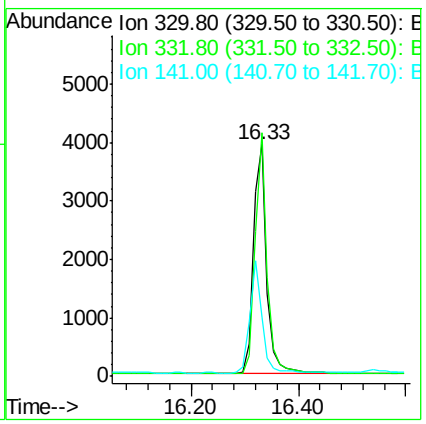


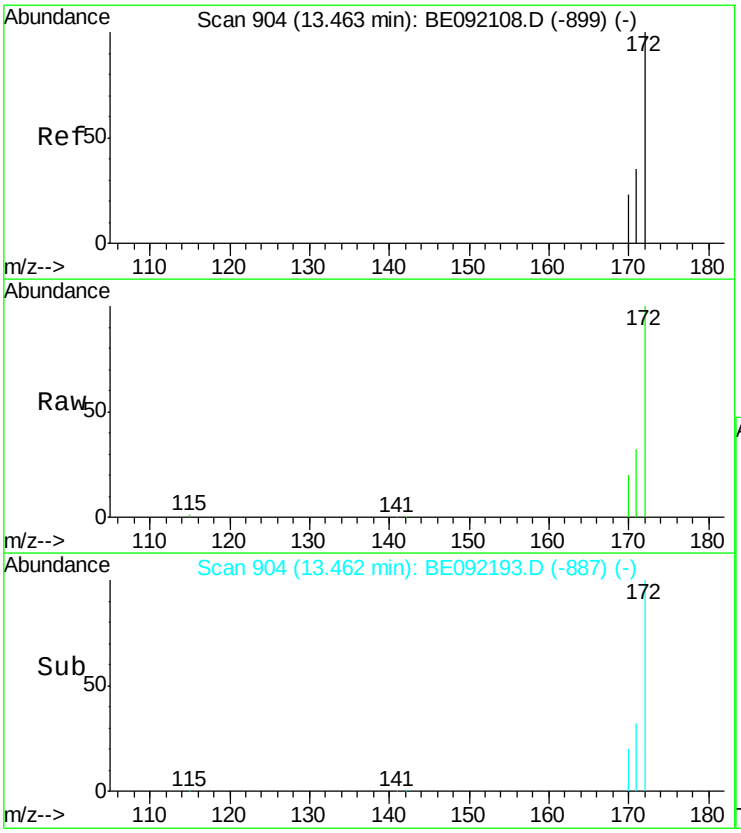
#11
2,4,6-Tribromophenol
Concen: 7.99 ng
RT: 16.33 min Scan# 1107
Delta R.T. 0.00 min
Lab File: BE092193.D
Acq: 4 Aug 2016 21:47

Instrument :
BNA_E
ClientSampleId :
GW-52-11.1-15.0

Tgt Ion:330 Resp: 6814

Ion	Ratio	Lower	Upper
330	100		
332	96.8	74.2	111.4
141	44.6	139.8	209.8#

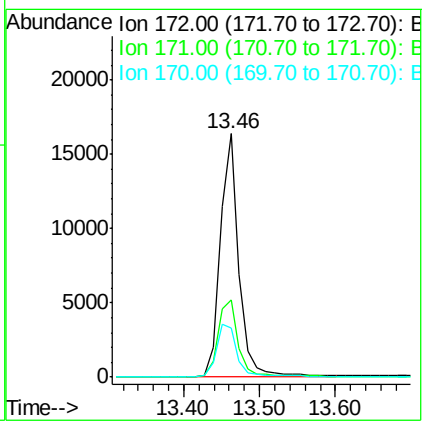


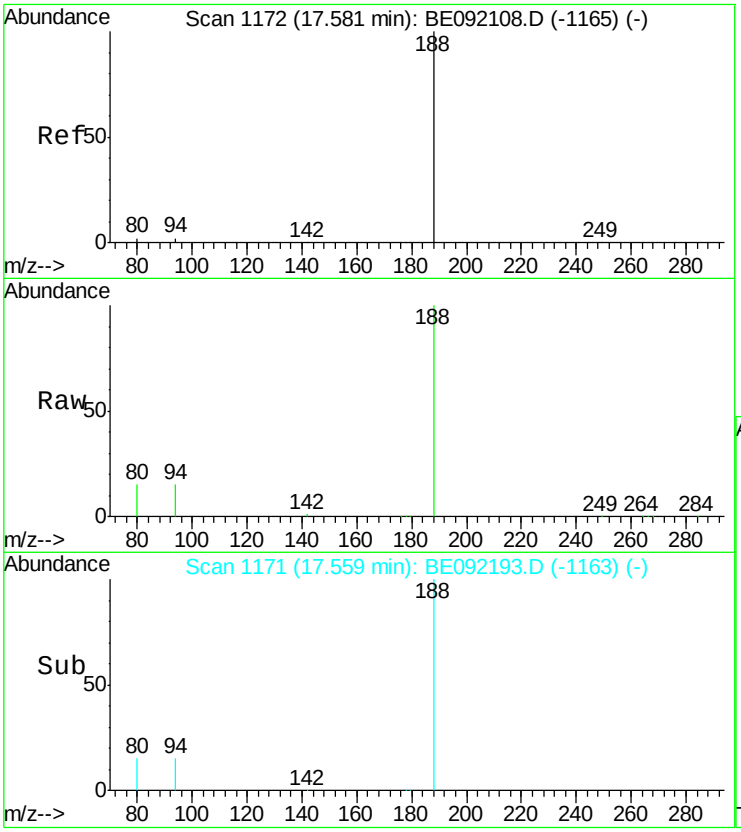


#12
2-Fluorobiphenyl
Concen: 3.37 ng
RT: 13.46 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE092193.D
Acq: 4 Aug 2016 21:47

Tgt Ion:172 Resp: 28055

Ion	Ratio	Lower	Upper
172	100		
171	31.9	30.3	45.5
170	19.9	21.6	32.4#



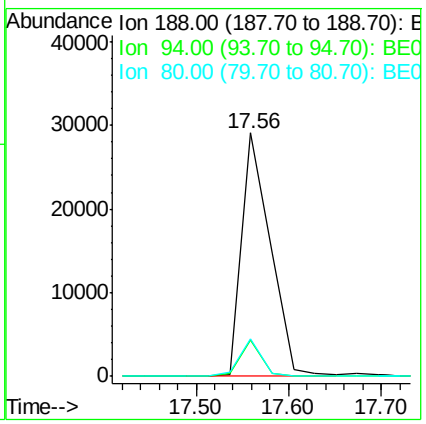


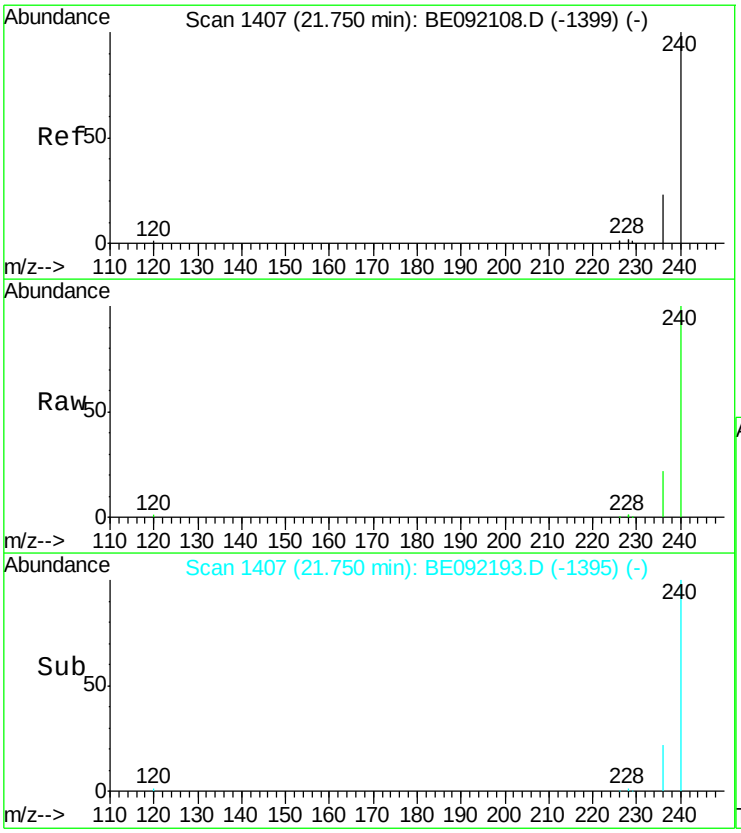
#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092193.D
Acq: 4 Aug 2016 21:47

Instrument :
BNA_E
ClientSampleId :
GW-52-11.1-15.0

Tgt Ion:188 Resp: 62412

Ion	Ratio	Lower	Upper
188	100		
94	14.8	3.9	5.9#
80	15.4	3.4	5.0#

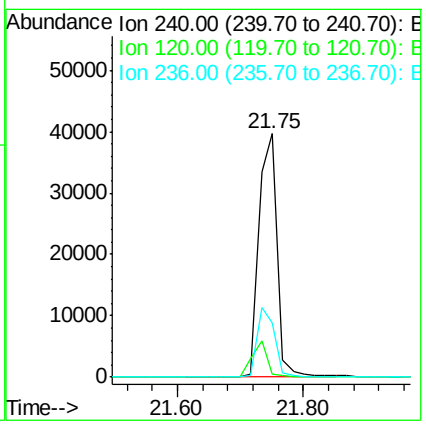


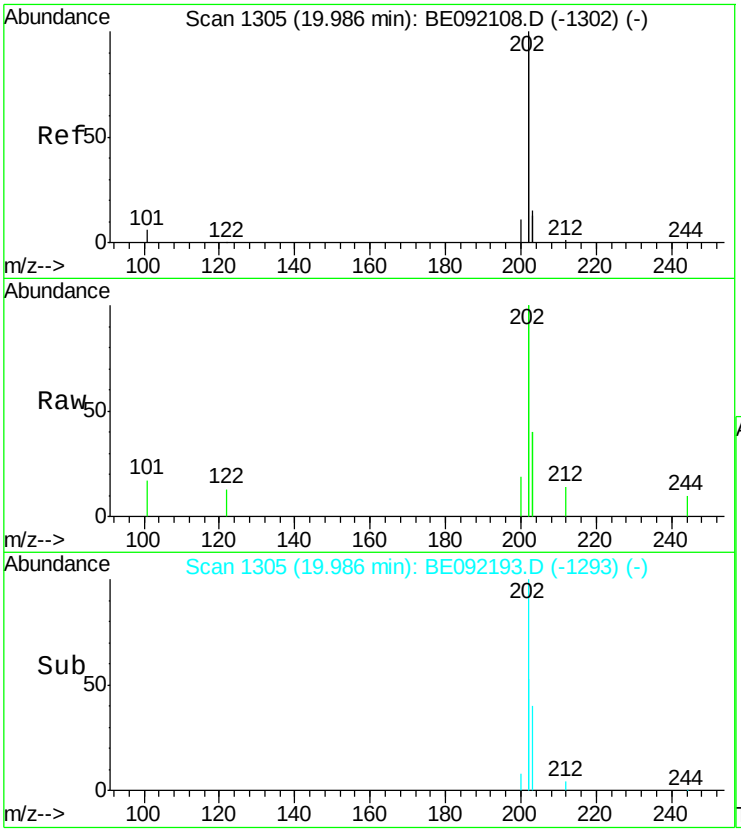


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1407
Delta R.T. -0.00 min
Lab File: BE092193.D
Acq: 4 Aug 2016 21:47

Tgt Ion:240 Resp: 79325

Ion	Ratio	Lower	Upper
240	100		
120	1.3	0.6	1.0#
236	22.3	18.2	27.4



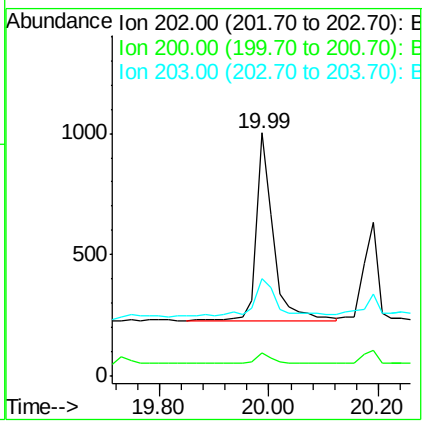


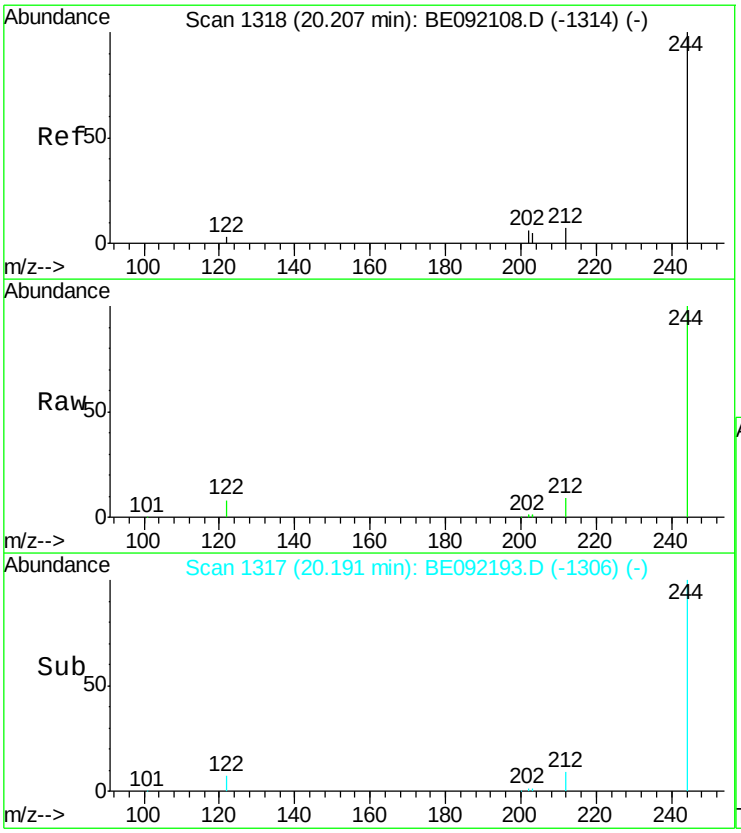
#23
Pyrene
Concen: 0.02 ng
RT: 19.99 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BE092193.D
Acq: 4 Aug 2016 21:47

Instrument :
BNA_E
ClientSampleId :
GW-52-11.1-15.0

Tgt Ion:202 Resp: 1662

Ion	Ratio	Lower	Upper
202	100		
200	5.6	4.4	6.6
203	28.4	13.4	20.0#

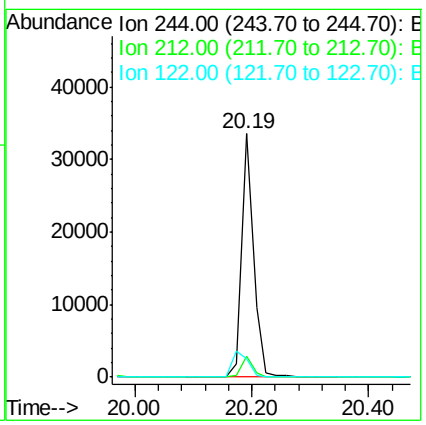


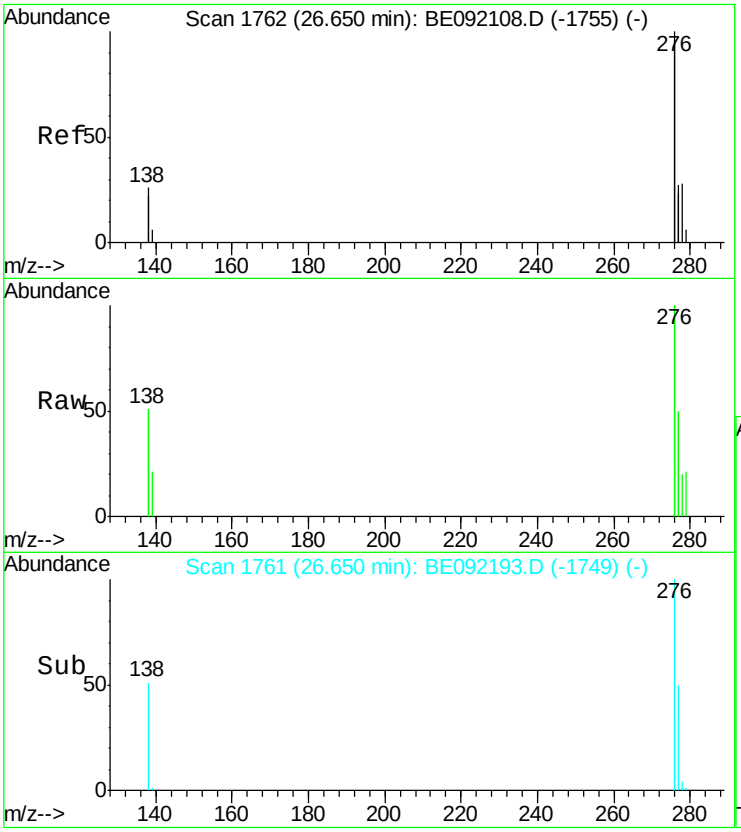


#24
Terphenyl-d14
Concen: 4.12 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092193.D
Acq: 4 Aug 2016 21:47

Tgt Ion:244 Resp: 46922

Ion	Ratio	Lower	Upper
244	100		
212	8.8	9.1	13.7#
122	7.5	11.0	16.4#



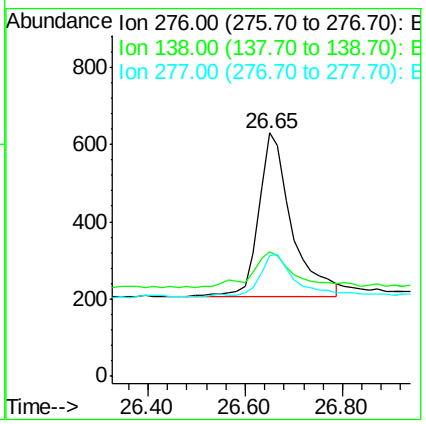


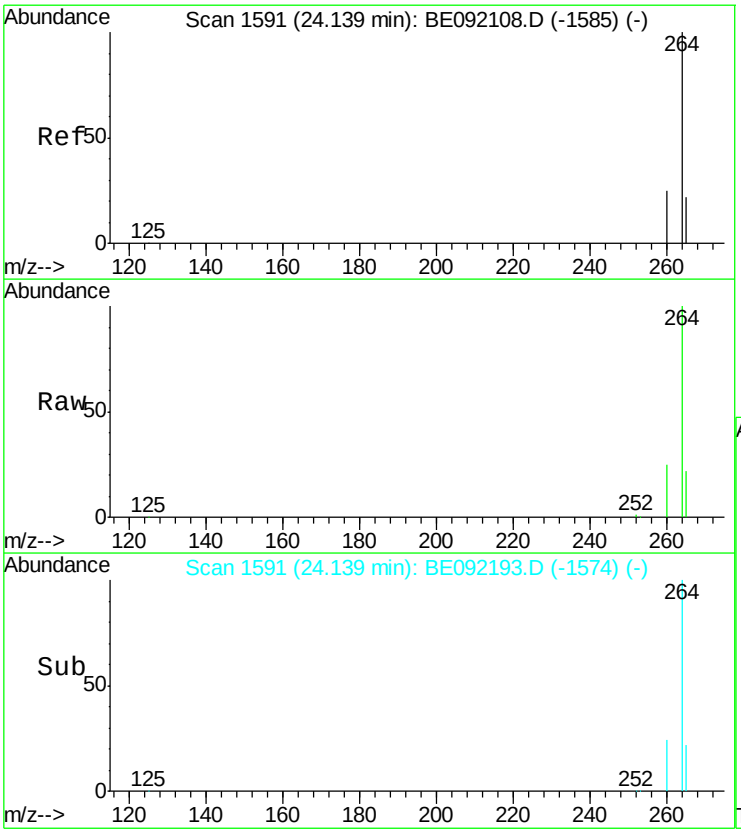
#27
Indeno(1,2,3-cd)pyrene
Concen: 0.02 ng
RT: 26.65 min Scan# 1761
Delta R.T. -0.00 min
Lab File: BE092193.D
Acq: 4 Aug 2016 21:47

Instrument :
BNA_E
ClientSampleId :
GW-52-11.1-15.0

Tgt Ion:276 Resp: 2018

Ion	Ratio	Lower	Upper
276	100		
138	25.8	21.2	31.8
277	27.6	19.8	29.8

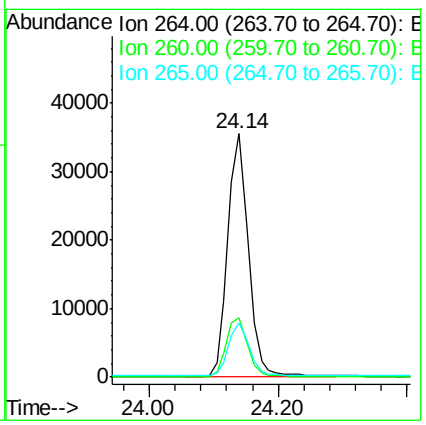


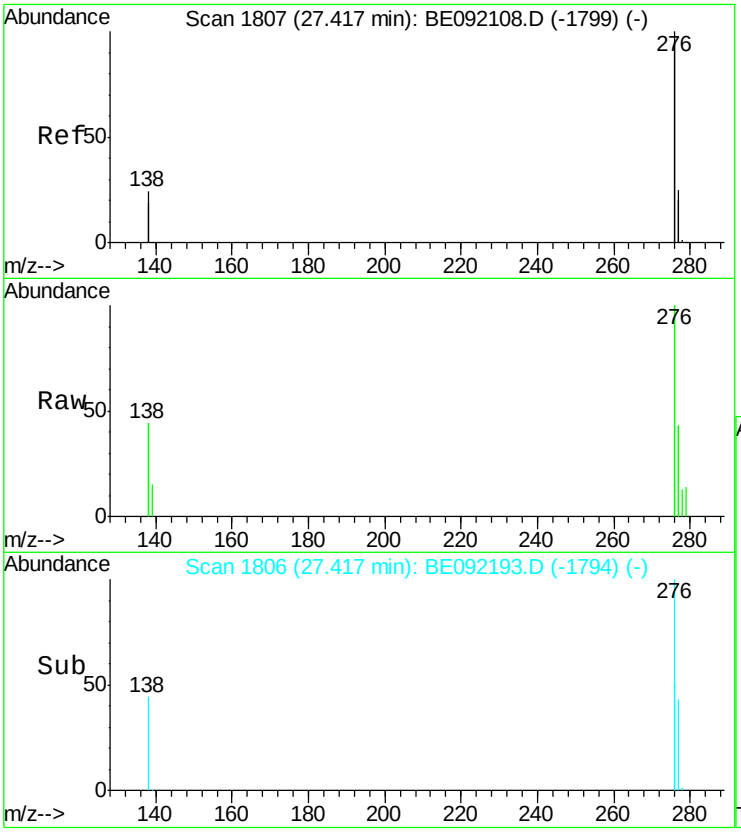


#28
Perylene-d12
Concen: 5.00 ng
RT: 24.14 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BE092193.D
Acq: 4 Aug 2016 21:47

Tgt Ion:264 Resp: 78653

Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.8	31.2
265	22.5	16.6	25.0





#33
Benzo(g,h,i)perylene
Concen: 0.04 ng
RT: 27.42 min Scan# 1806
Delta R.T. -0.00 min
Lab File: BE092193.D
Acq: 4 Aug 2016 21:47

Instrument :
BNA_E
ClientSampleId :
GW-52-11.1-15.0

Tgt Ion:276 Resp: 3026

Ion	Ratio	Lower	Upper
276	100		
277	43.5	19.5	29.3#
138	44.4	20.8	31.2#