Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080216\
Data File : BE092127.D
Acq On : 3 Aug 2016 1:11
Operator : UM/SJ
Sample : H4152-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : GW-18-6.0-15.0

Quant Time: Aug 03 03:55:20 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	10780	5.00	ng	0.00
6) Naphthalene-d8	10.99	136	47937	5.00	ng	0.00
10) Acenaphthene-d10	14.85	164	25907	5.00	ng	0.00
16) Phenanthrene-d10	17.56	188	56770	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	73565	5.00	ng	0.00
28) Perylene-d12	24.14	264	77645	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	16586	5.99	ng	0.00
5) Phenol-d6	7.34	99	15544	4.21	ng	-0.01
7) Nitrobenzene-d5	9.34	82	14802	3.91	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	8427	10.02	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	33956	4.14	ng	0.00
24) Terphenyl-d14	20.19	244	49046	4.64	ng	-0.02
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.74	42	60	0.12	ng	# 1
8) Naphthalene	11.03	128	71	Below Cal		# 1
18) Pentachlorophenol	17.24	266	87	0.27	ng	96
19) Phenanthrene	17.60	178	258	Below Cal		# 73
25) Benzo(a)anthracene	21.73	228	1663	0.02	ng	# 66
26) Chrysene	21.73	228	1663	0.02	ng	# 68
30) Benzo(k)fluoranthene	23.45	252	133	Below Cal		# 1

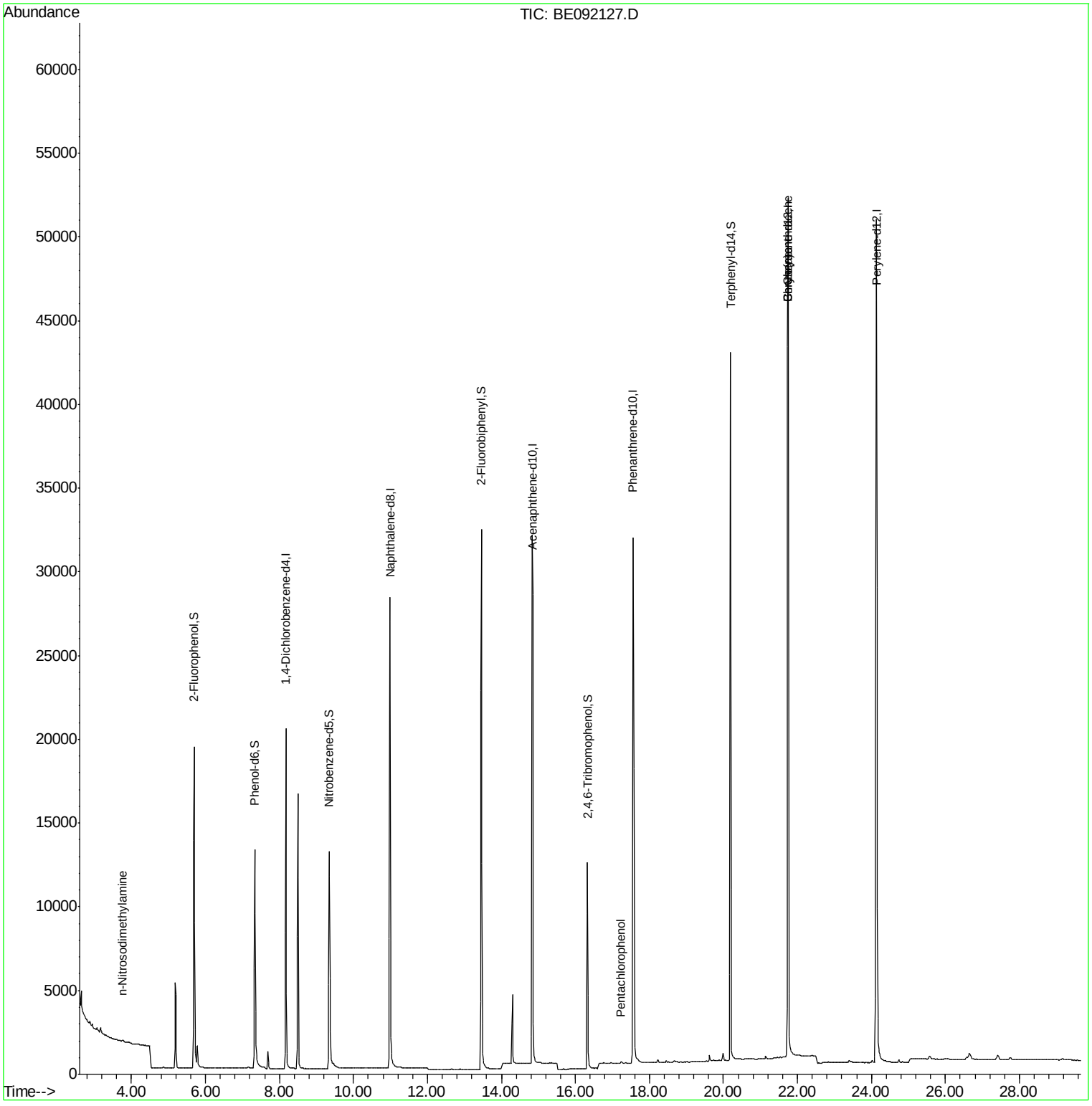
(#) = qualifier out of range (m) = manual integration (+) = signals summed

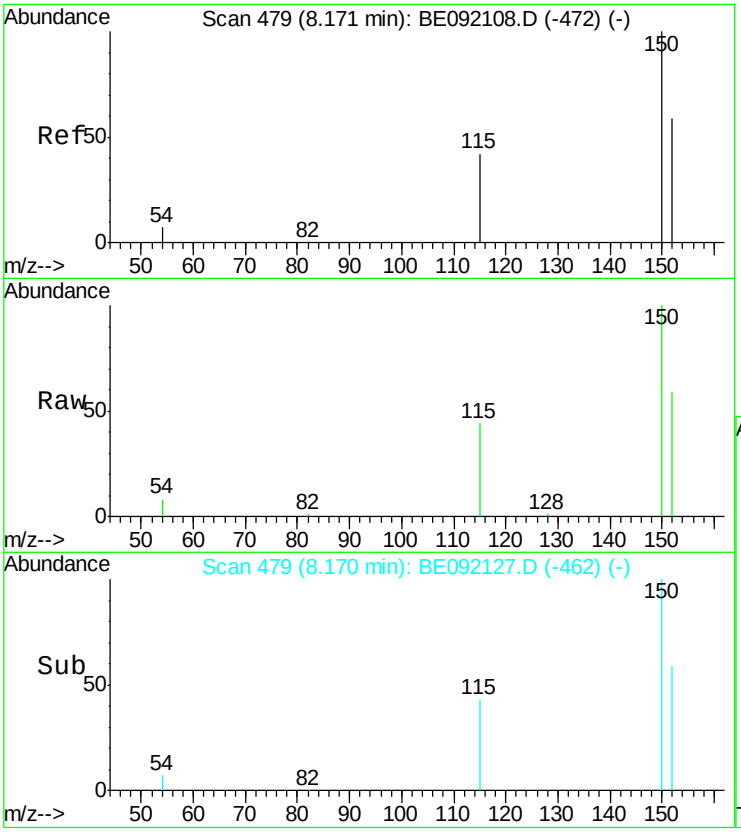
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080216\
Data File : BE092127.D
Acq On : 3 Aug 2016 1:11
Operator : UM/SJ
Sample : H4152-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
GW-18-6.0-15.0

Quant Time: Aug 03 03:55:20 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



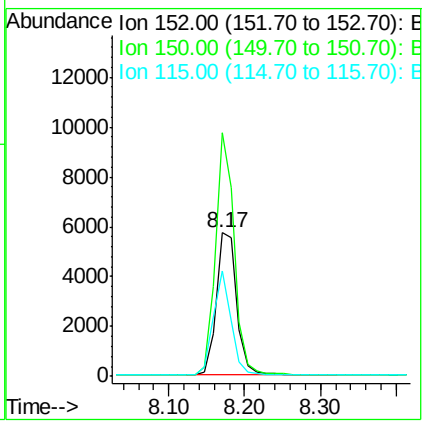


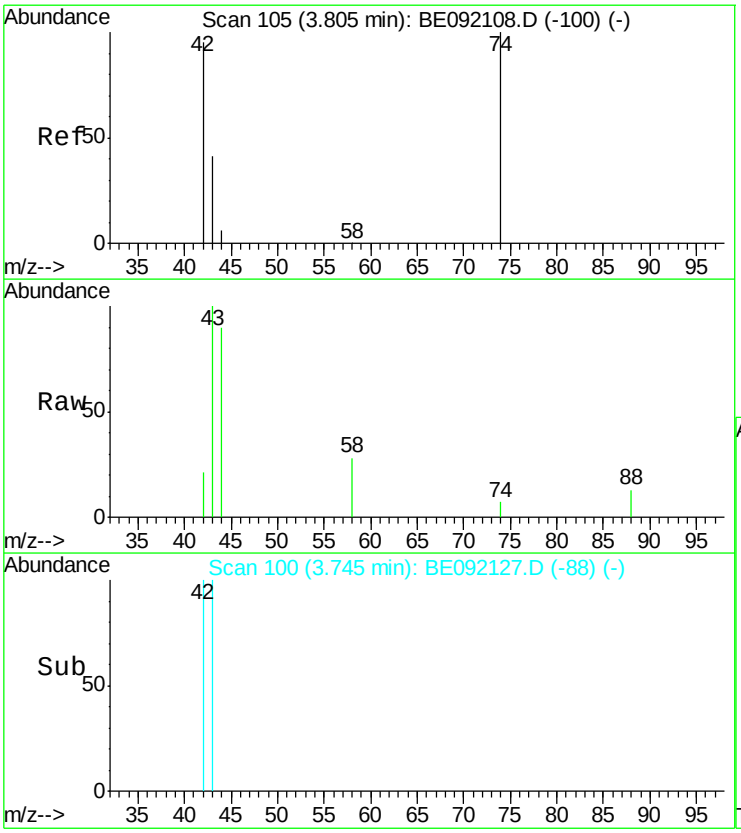
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.17 min Scan# 479
Delta R.T. -0.00 min
Lab File: BE092127.D
Acq: 3 Aug 2016 1:11

Instrument :
BNA_E
ClientSampleId :
GW-18-6.0-15.0

Tgt Ion:152 Resp: 10780

Ion	Ratio	Lower	Upper
152	100		
150	170.0	106.0	159.0#
115	73.9	36.9	55.3#

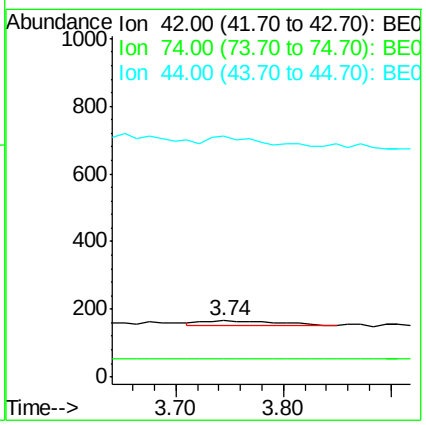


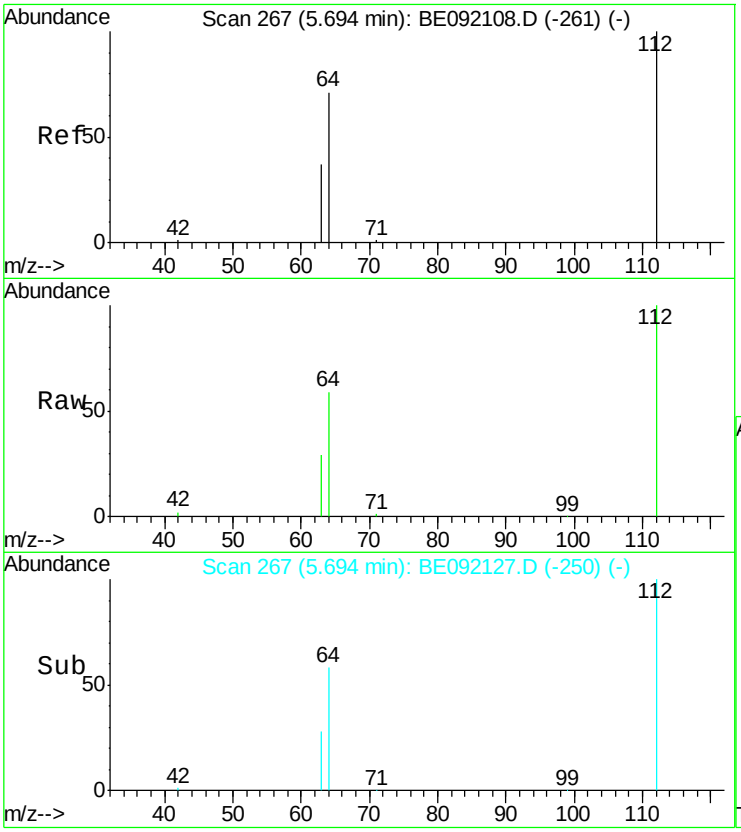


#3
n-Nitrosodimethylamine
Concen: 0.12 ng
RT: 3.74 min Scan# 100
Delta R.T. -0.06 min
Lab File: BE092127.D
Acq: 3 Aug 2016 1:11

Tgt Ion: 42 Resp: 60

Ion	Ratio	Lower	Upper
42	100		
74	8.3	82.8	124.2#
44	160.0	9.0	13.4#



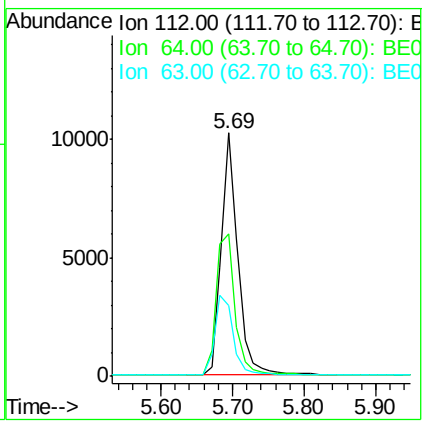


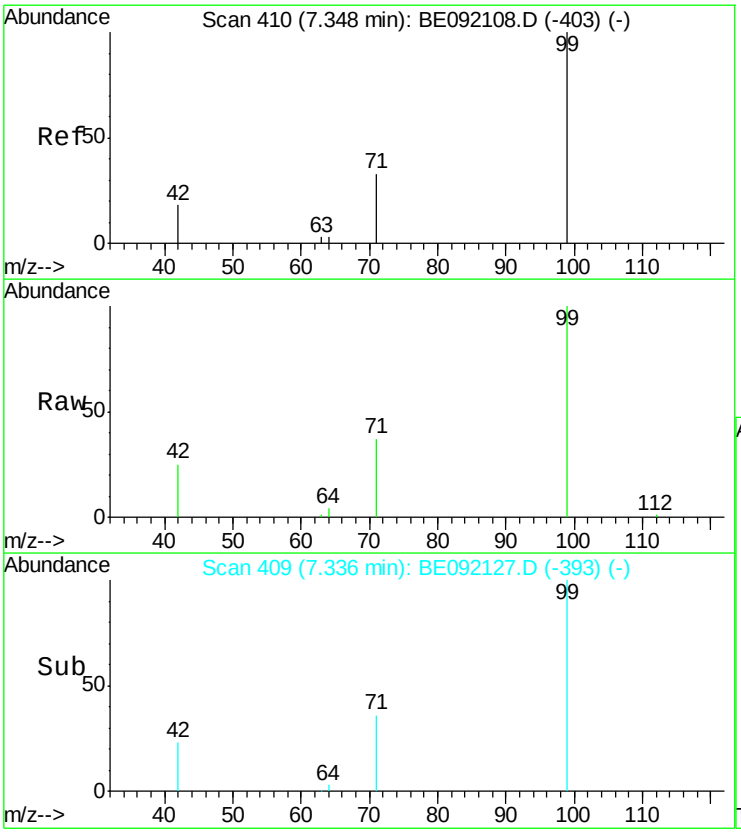
#4
2-Fluorophenol
Concen: 5.99 ng
RT: 5.69 min Scan# 267
Delta R.T. -0.00 min
Lab File: BE092127.D
Acq: 3 Aug 2016 1:11

Instrument :
BNA_E
ClientSampleId :
GW-18-6.0-15.0

Tgt Ion:112 Resp: 16586

Ion	Ratio	Lower	Upper
112	100		
64	66.8	55.9	83.9
63	36.4	31.1	46.7

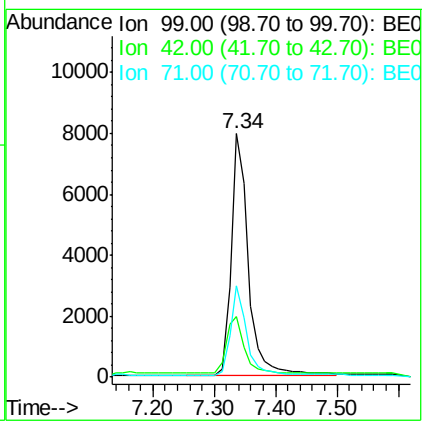


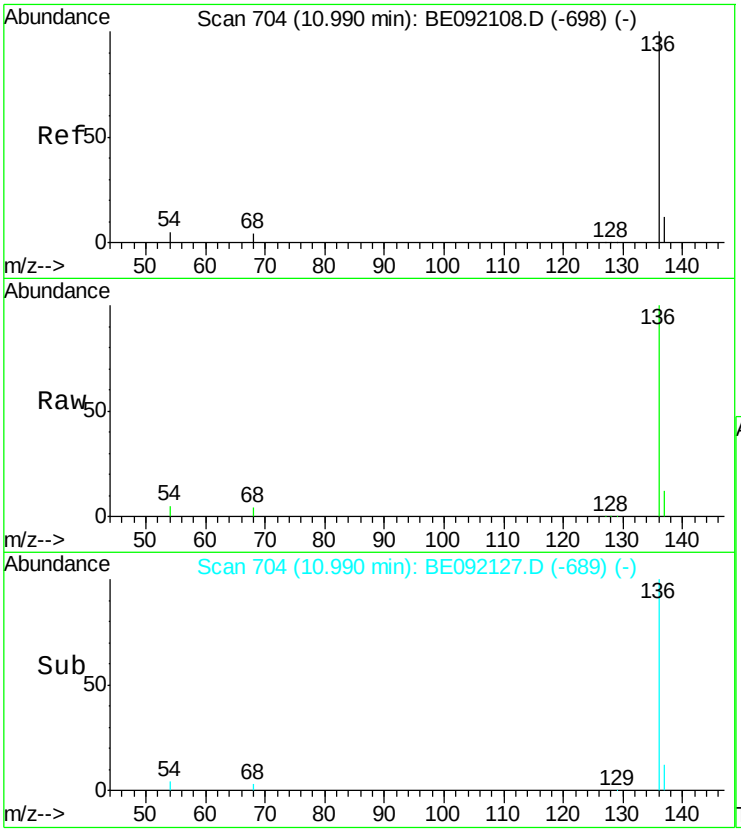


#5
Phenol-d6
Concen: 4.21 ng
RT: 7.34 min Scan# 409
Delta R.T. -0.01 min
Lab File: BE092127.D
Acq: 3 Aug 2016 1:11

Tgt Ion: 99 Resp: 15544

Ion	Ratio	Lower	Upper
99	100		
42	24.4	22.4	33.6
71	34.8	28.9	43.3



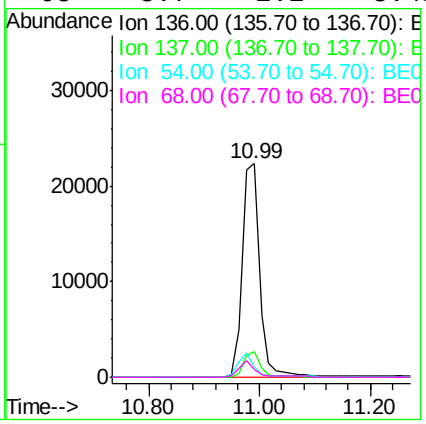


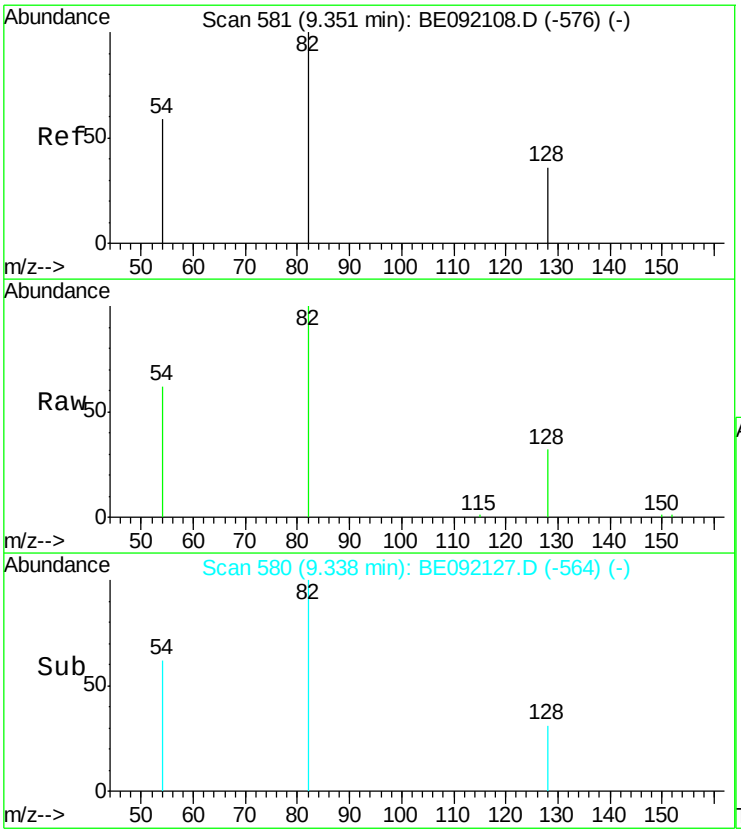
#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.99 min Scan# 704
Delta R.T. -0.00 min
Lab File: BE092127.D
Acq: 3 Aug 2016 1:11

Instrument :
BNA_E
ClientSampleId :
GW-18-6.0-15.0

Tgt Ion:136 Resp: 47937

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.1	13.7
54	4.7	2.7	4.1#
68	3.7	2.2	3.4#

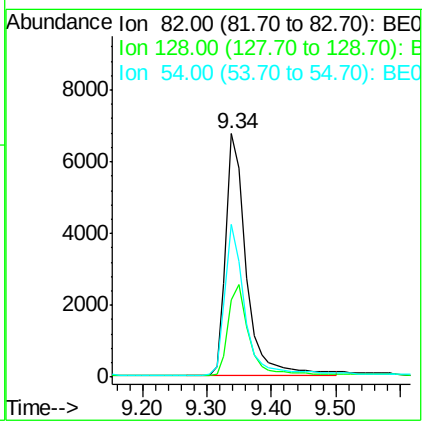


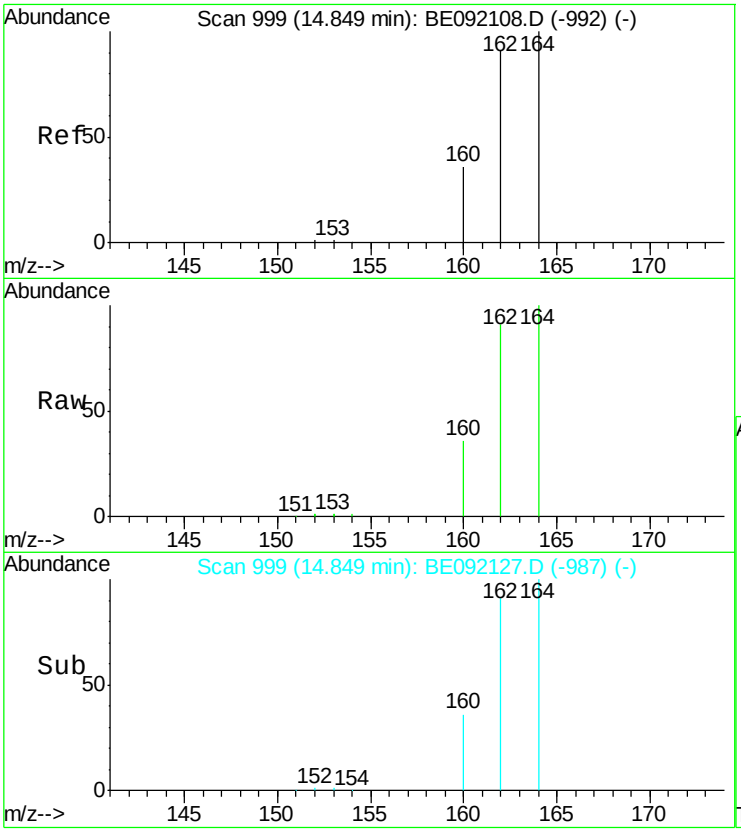


#7
Nitrobenzene-d5
Concen: 3.91 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092127.D
Acq: 3 Aug 2016 1:11

Tgt Ion: 82 Resp: 14802

Ion	Ratio	Lower	Upper
82	100		
128	31.5	33.0	49.4#
54	62.5	42.6	63.8



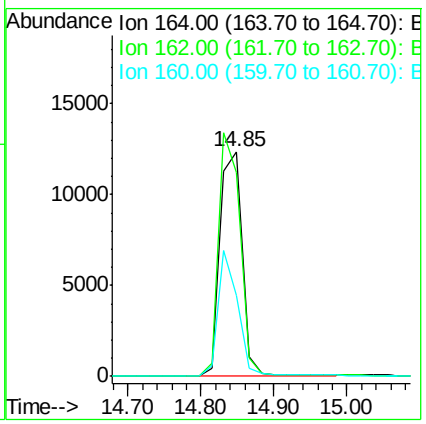


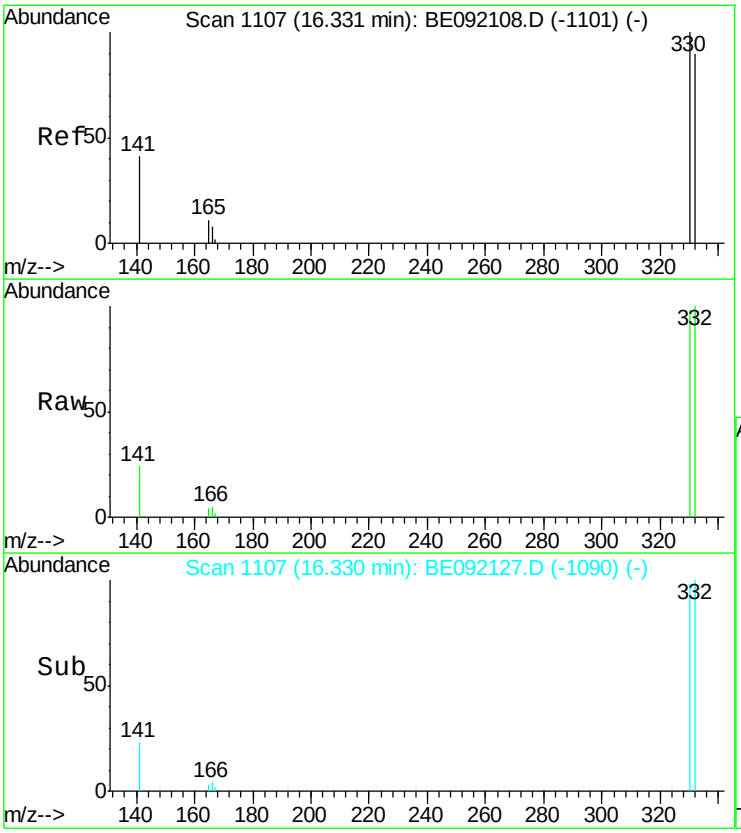
#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.85 min Scan# 999
Delta R.T. -0.00 min
Lab File: BE092127.D
Acq: 3 Aug 2016 1:11

Instrument :
BNA_E
ClientSampleId :
GW-18-6.0-15.0

Tgt Ion:164 Resp: 25907

Ion	Ratio	Lower	Upper
164	100		
162	91.0	69.5	104.3
160	36.3	27.6	41.4

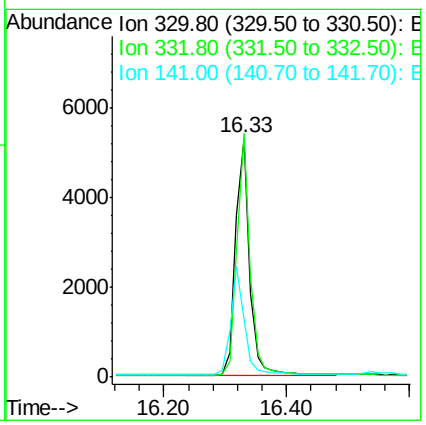


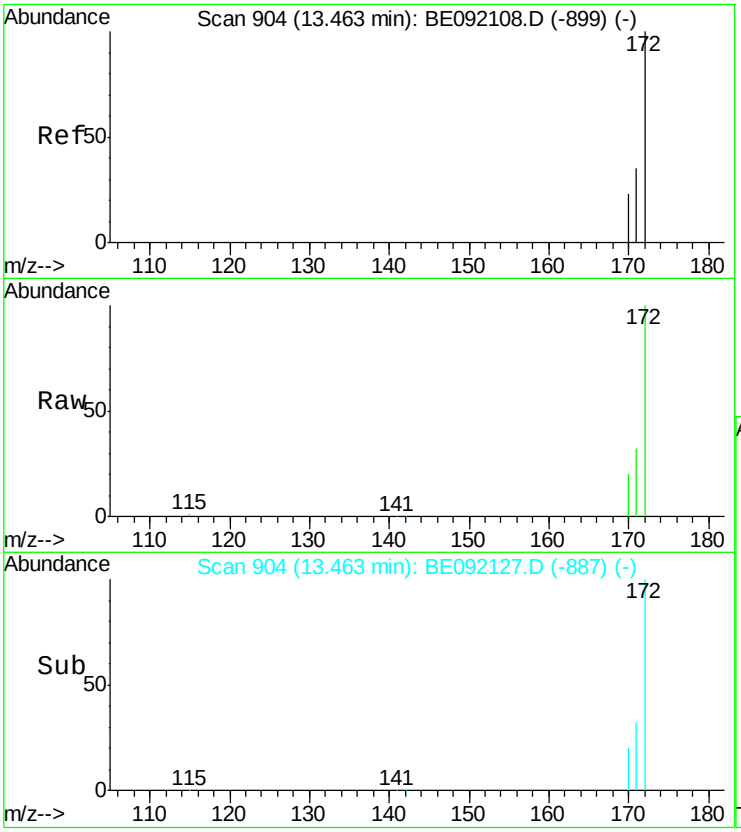


#11
2,4,6-Tribromophenol
Concen: 10.02 ng
RT: 16.33 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE092127.D
Acq: 3 Aug 2016 1:11

Tgt Ion:330 Resp: 8427

Ion	Ratio	Lower	Upper
330	100		
332	96.4	74.2	111.4
141	43.1	139.8	209.8#



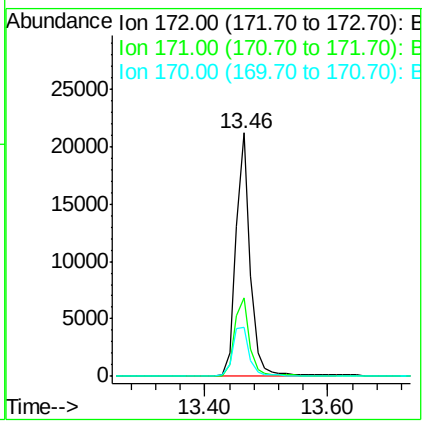


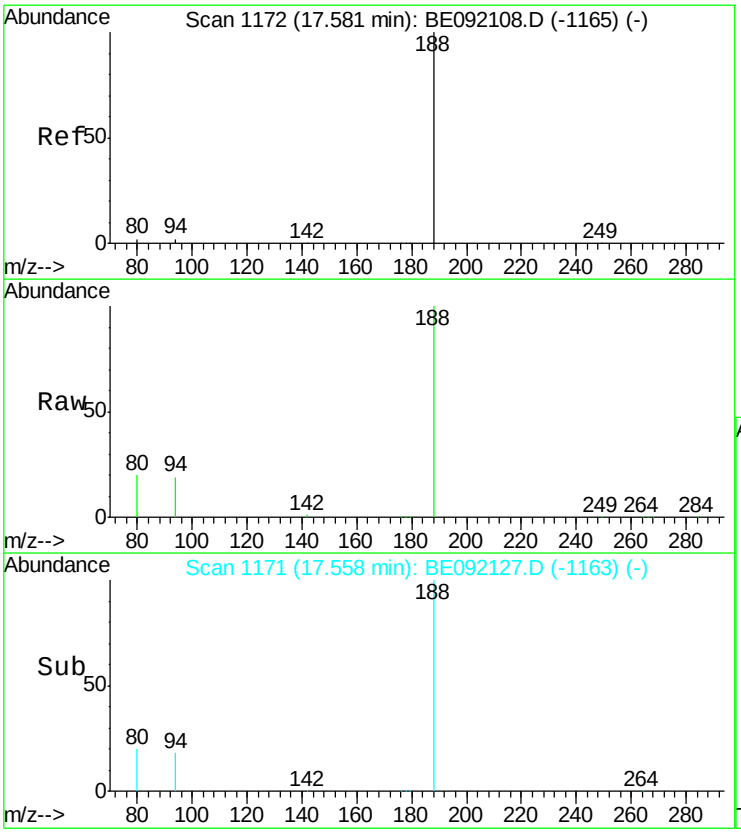
#12
2-Fluorobiphenyl
Concen: 4.14 ng
RT: 13.46 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE092127.D
Acq: 3 Aug 2016 1:11

Instrument :
BNA_E
ClientSampleId :
GW-18-6.0-15.0

Tgt Ion:172 Resp: 33956

Ion	Ratio	Lower	Upper
172	100		
171	32.3	30.3	45.5
170	20.2	21.6	32.4#

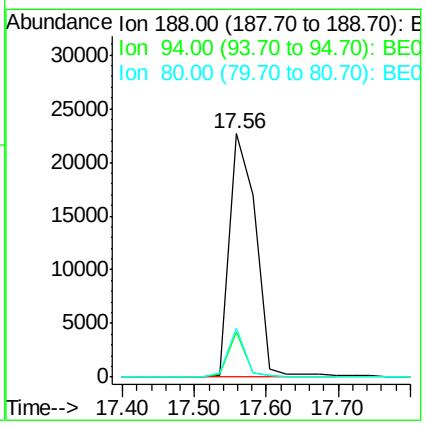


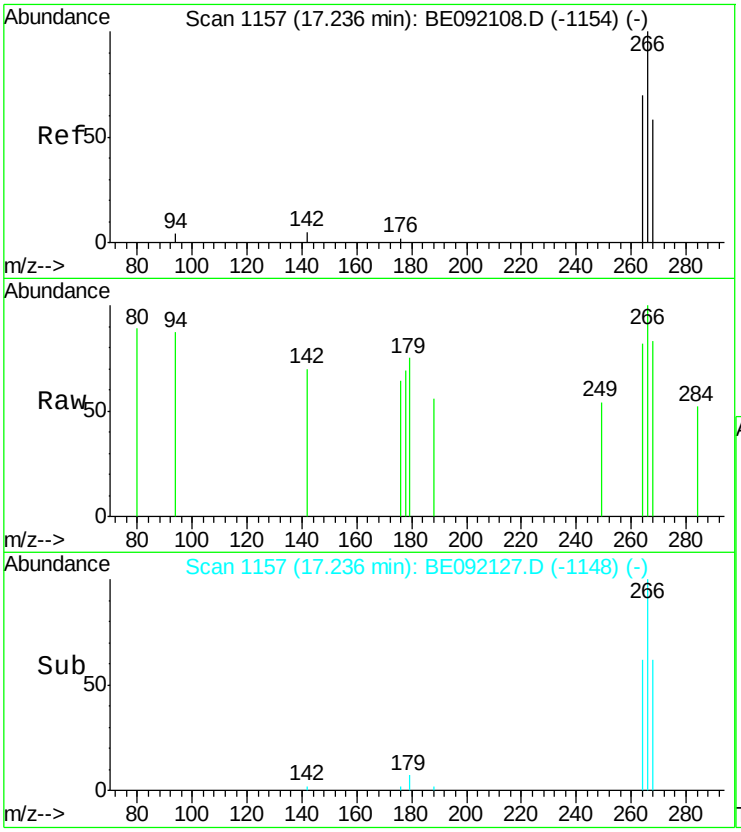


#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092127.D
Acq: 3 Aug 2016 1:11

Tgt Ion:188 Resp: 56770

Ion	Ratio	Lower	Upper
188	100		
94	18.8	3.9	5.9#
80	20.0	3.4	5.0#



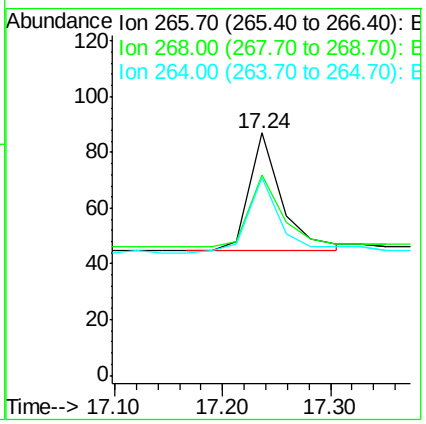


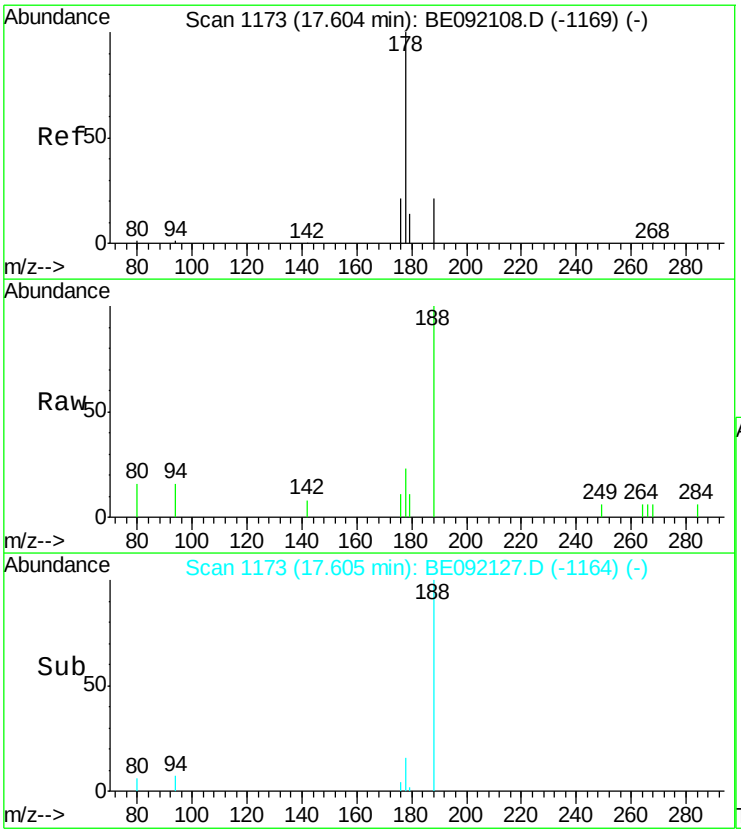
#18
Pentachlorophenol
Concen: 0.27 ng
RT: 17.24 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BE092127.D
Acq: 3 Aug 2016 1:11

Instrument :
BNA_E
ClientSampleId :
GW-18-6.0-15.0

Tgt Ion:266 Resp: 87

Ion	Ratio	Lower	Upper
266	100		
268	82.8	62.7	94.1
264	81.6	63.5	95.3

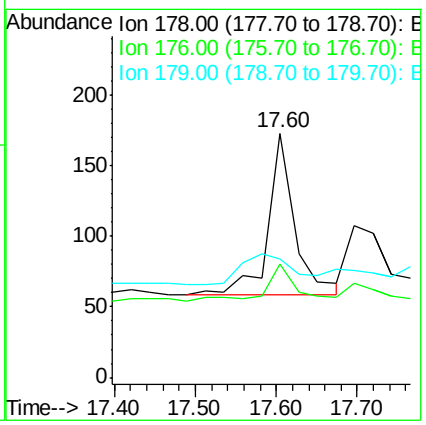


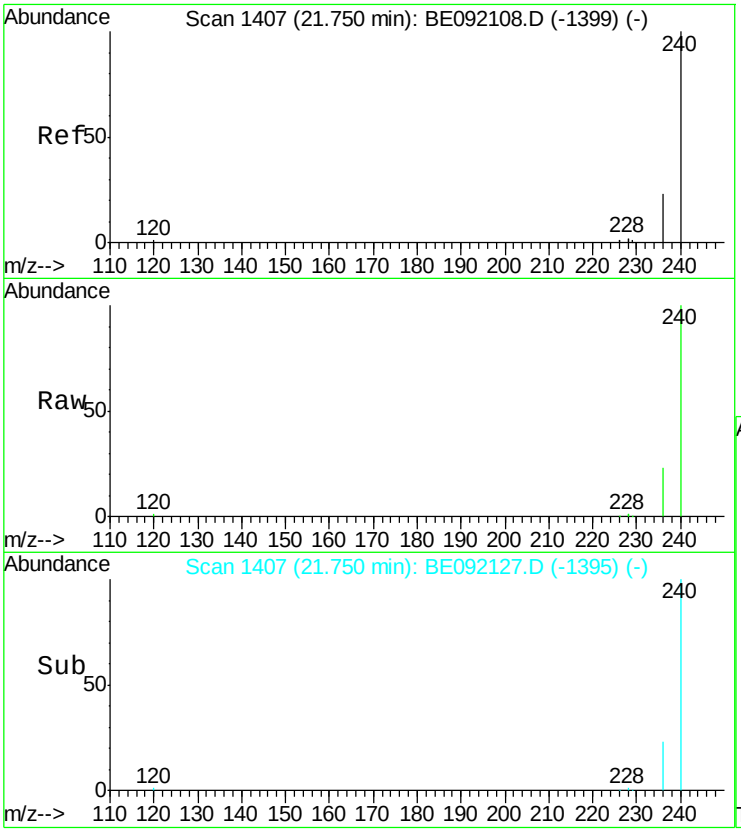


#19
Phenanthrene
Concen: Below Cal
RT: 17.60 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BE092127.D
Acq: 3 Aug 2016 1:11

Tgt Ion:178 Resp: 258

Ion	Ratio	Lower	Upper
178	100		
176	27.1	15.4	23.0#
179	0.0	12.7	19.1#



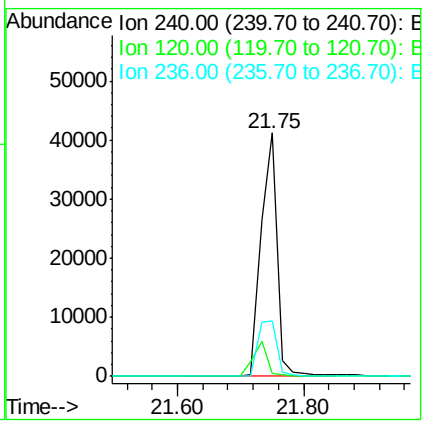


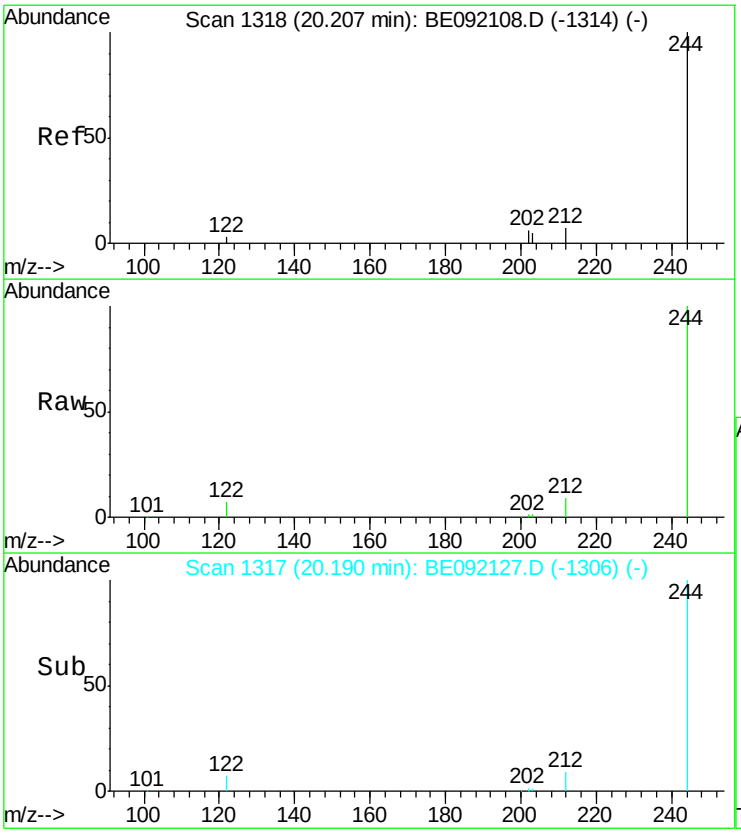
#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1407
Delta R.T. -0.00 min
Lab File: BE092127.D
Acq: 3 Aug 2016 1:11

Instrument :
BNA_E
ClientSampleId :
GW-18-6.0-15.0

Tgt Ion:240 Resp: 73565

Ion	Ratio	Lower	Upper
240	100		
120	1.3	0.6	1.0#
236	22.9	18.2	27.4

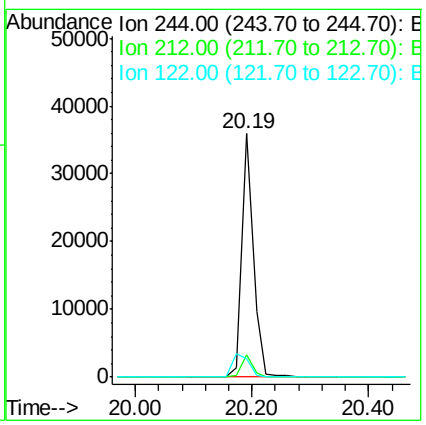


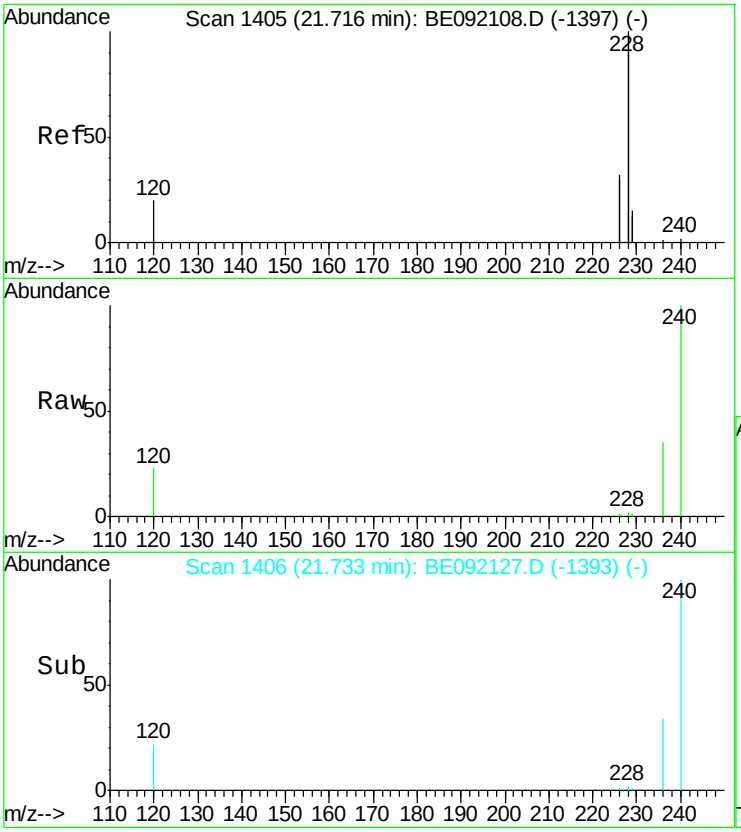


#24
Terphenyl-d14
Concen: 4.64 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092127.D
Acq: 3 Aug 2016 1:11

Tgt Ion:244 Resp: 49046

Ion	Ratio	Lower	Upper
244	100		
212	9.0	9.1	13.7#
122	7.4	11.0	16.4#



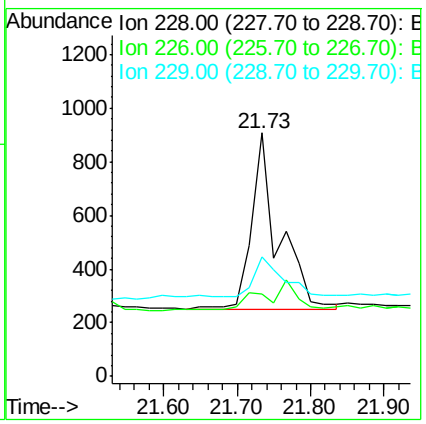


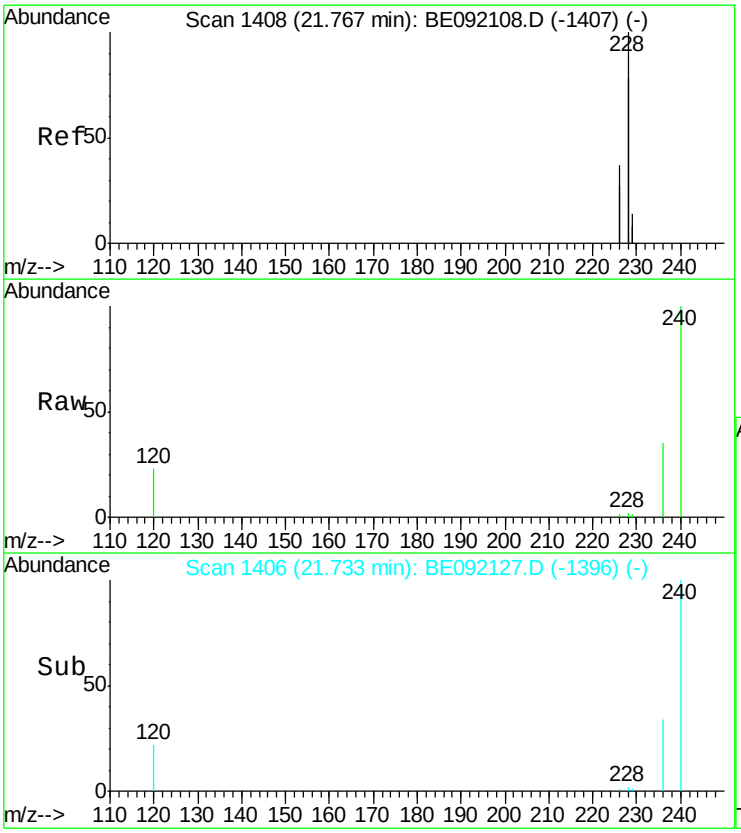
#25
Benzo(a)anthracene
Concen: 0.02 ng
RT: 21.73 min Scan# 1406
Delta R.T. 0.02 min
Lab File: BE092127.D
Acq: 3 Aug 2016 1:11

Instrument :
BNA_E
ClientSampleId :
GW-18-6.0-15.0

Tgt Ion:228 Resp: 1663

Ion	Ratio	Lower	Upper
228	100		
226	33.7	22.1	33.1#
229	48.9	15.1	22.7#

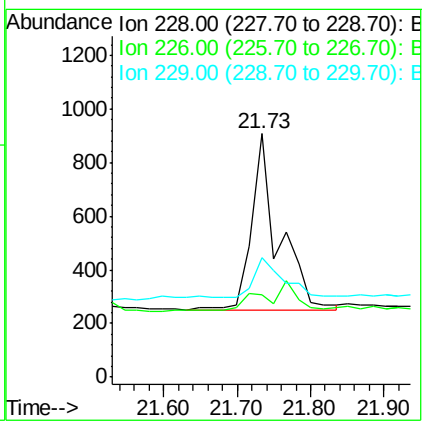


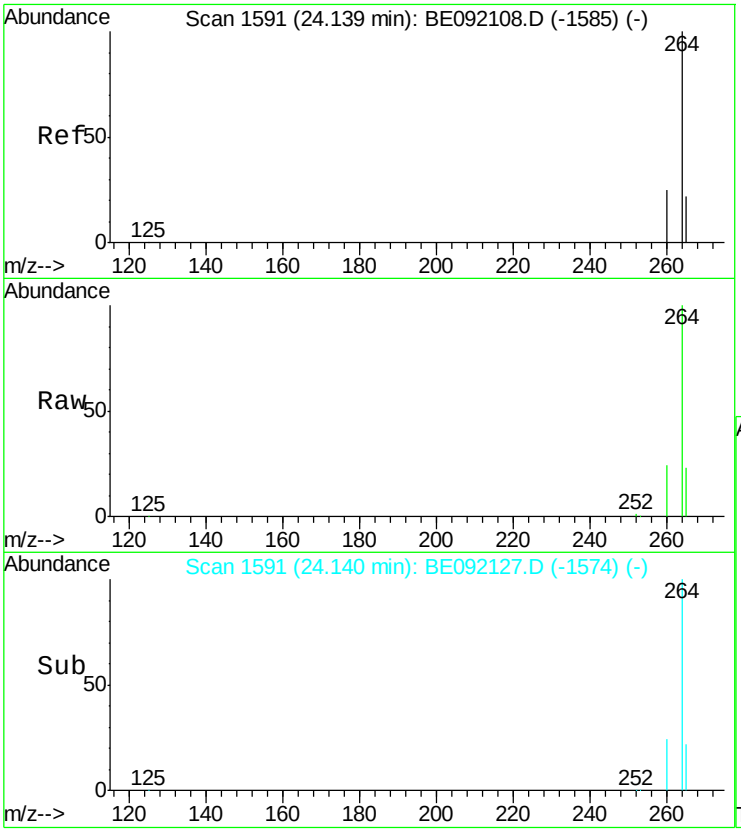


#26
Chrysene
Concen: 0.02 ng
RT: 21.73 min Scan# 1406
Delta R.T. -0.03 min
Lab File: BE092127.D
Acq: 3 Aug 2016 1:11

Tgt Ion:228 Resp: 1663

Ion	Ratio	Lower	Upper
228	100		
226	33.7	22.3	33.5#
229	48.9	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: BE092127.D
Acq: 3 Aug 2016 1:11

Instrument :
BNA_E
ClientSampleId :
GW-18-6.0-15.0

Tgt Ion:264 Resp: 77645

Ion	Ratio	Lower	Upper
264	100		
260	24.2	20.8	31.2
265	22.6	16.6	25.0