Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080316\
Data File : BE092171.D
Acq On : 4 Aug 2016 7:28
Operator : UM/SJ
Sample : H4221-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : GW-45-7.8-13.0

Quant Time: Aug 04 08:03:00 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	13524	5.00	ng		0.00
6) Naphthalene-d8	10.98	136	64596	5.00	ng		-0.01
10) Acenaphthene-d10	14.83	164	36424	5.00	ng		-0.02
16) Phenanthrene-d10	17.56	188	82327	5.00	ng		-0.02
22) Chrysene-d12	21.73	240	96681	5.00	ng		-0.02
28) Perylene-d12	24.14	264	92286	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.70	112	8541	2.46	ng		0.00
5) Phenol-d6	7.35	99	7328	1.58	ng		0.00
7) Nitrobenzene-d5	9.35	82	14053	2.76	ng		0.00
11) 2,4,6-Tribromophenol	16.33	330	8276	7.00	ng		0.00
12) 2-Fluorobiphenyl	13.46	172	36564	3.17	ng		0.00
24) Terphenyl-d14	20.19	244	58567	4.22	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.44	88	248	0.13	ng		92
3) n-Nitrosodimethylamine	3.79	42	4	0.09	ng	#	6
8) Naphthalene	11.03	128	133	Below Cal		#	10
18) Pentachlorophenol	17.21	266	3	0.20	ng	#	78
19) Phenanthrene	17.60	178	343	Below Cal		#	71
30) Benzo(k)fluoranthene	23.45	252	40	Below Cal		#	1

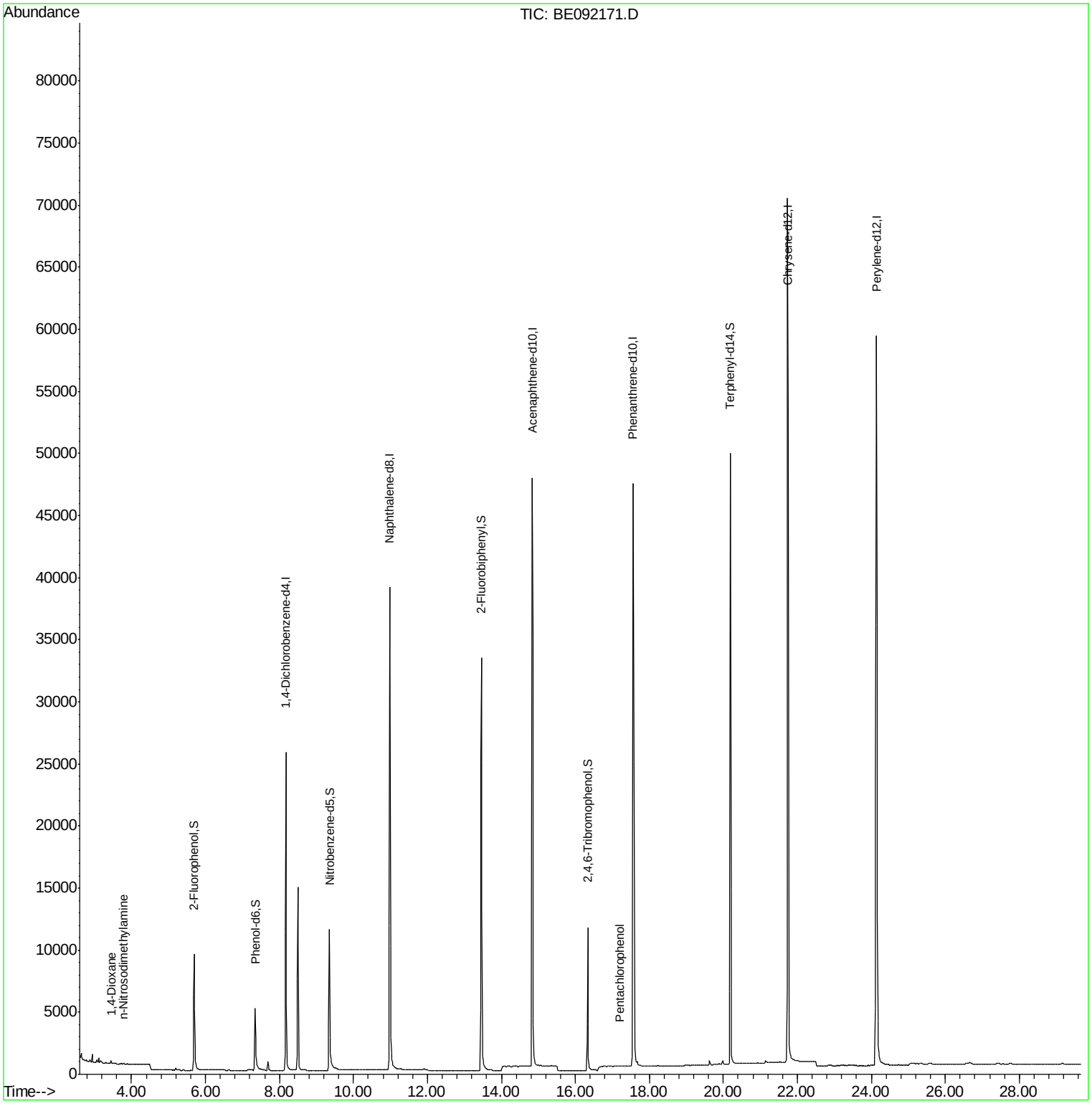
(#) = qualifier out of range (m) = manual integration (+) = signals summed

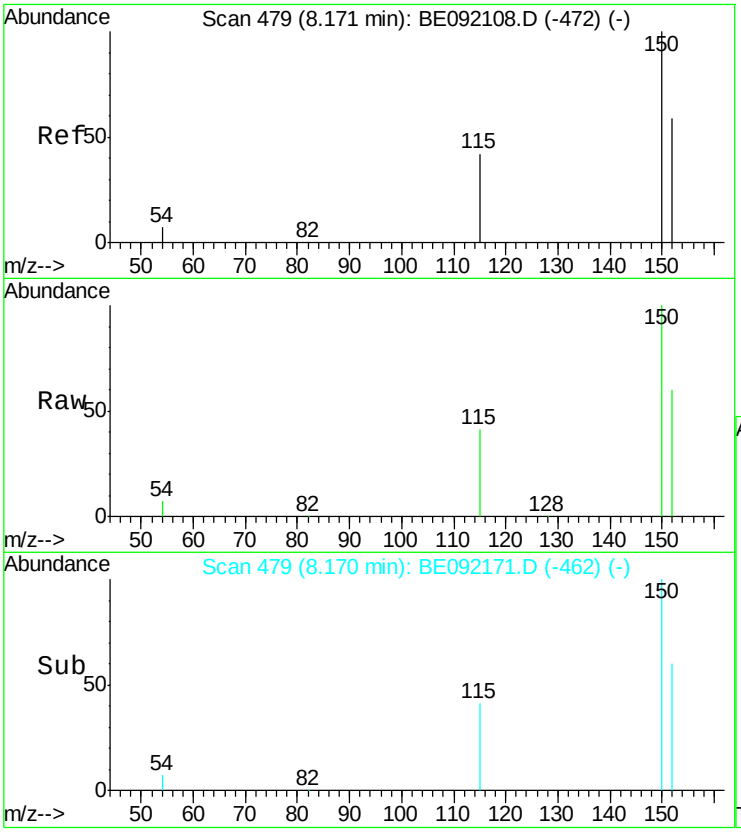
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080316\
Data File : BE092171.D
Acq On : 4 Aug 2016 7:28
Operator : UM/SJ
Sample : H4221-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
GW-45-7.8-13.0

Quant Time: Aug 04 08:03:00 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



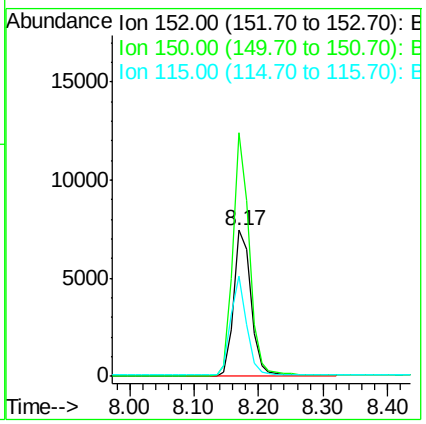


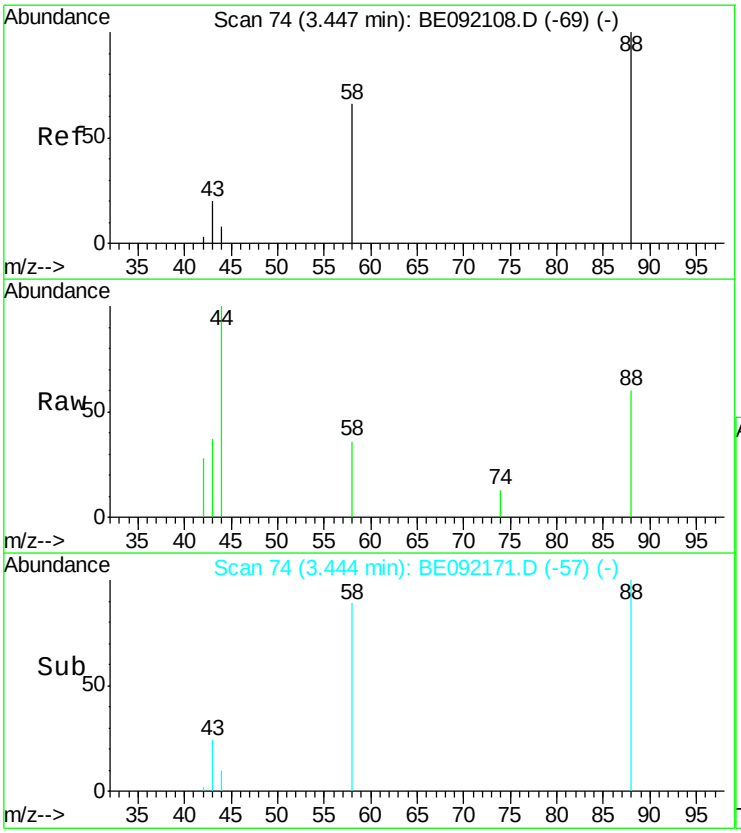
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.17 min Scan# 479
Delta R.T. -0.00 min
Lab File: BE092171.D
Acq: 4 Aug 2016 7:28

Instrument :
BNA_E
ClientSampleId :
GW-45-7.8-13.0

Tgt Ion:152 Resp: 13524

Ion	Ratio	Lower	Upper
152	100		
150	166.7	106.0	159.0#
115	68.3	36.9	55.3#

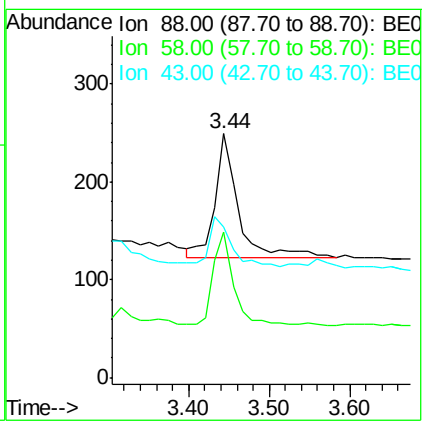


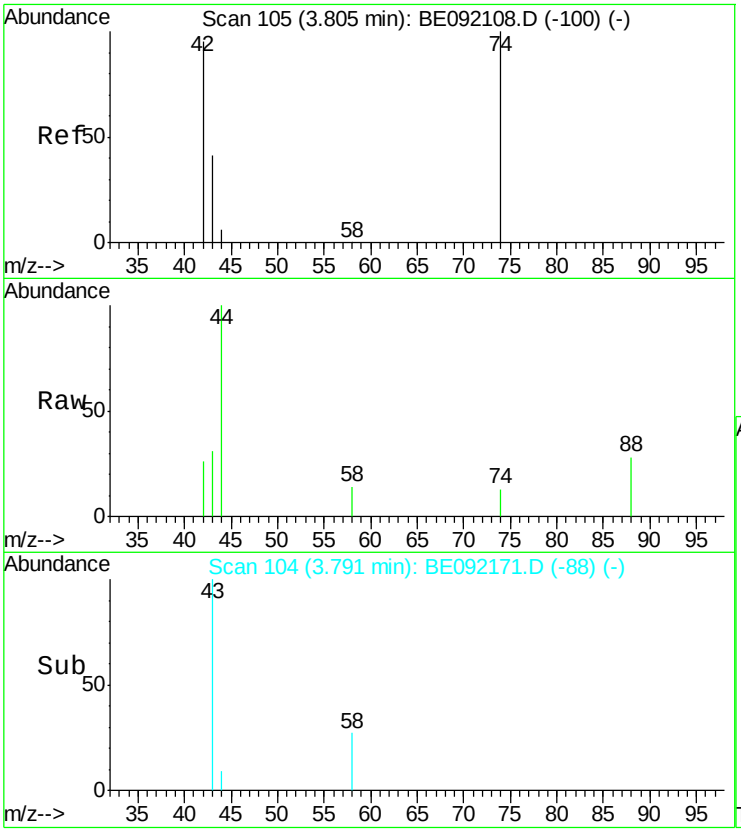


#2
1,4-Dioxane
Concen: 0.13 ng
RT: 3.44 min Scan# 74
Delta R.T. -0.00 min
Lab File: BE092171.D
Acq: 4 Aug 2016 7:28

Tgt Ion: 88 Resp: 248

Ion	Ratio	Lower	Upper
88	100		
58	70.2	62.1	93.1
43	38.7	27.2	40.8



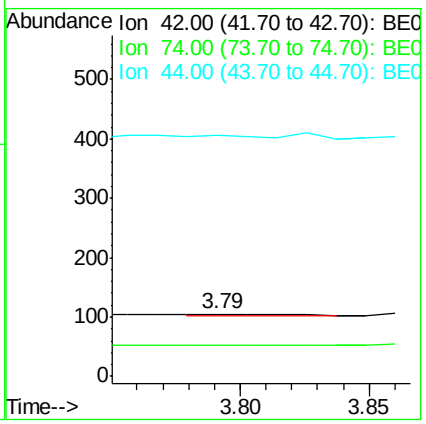


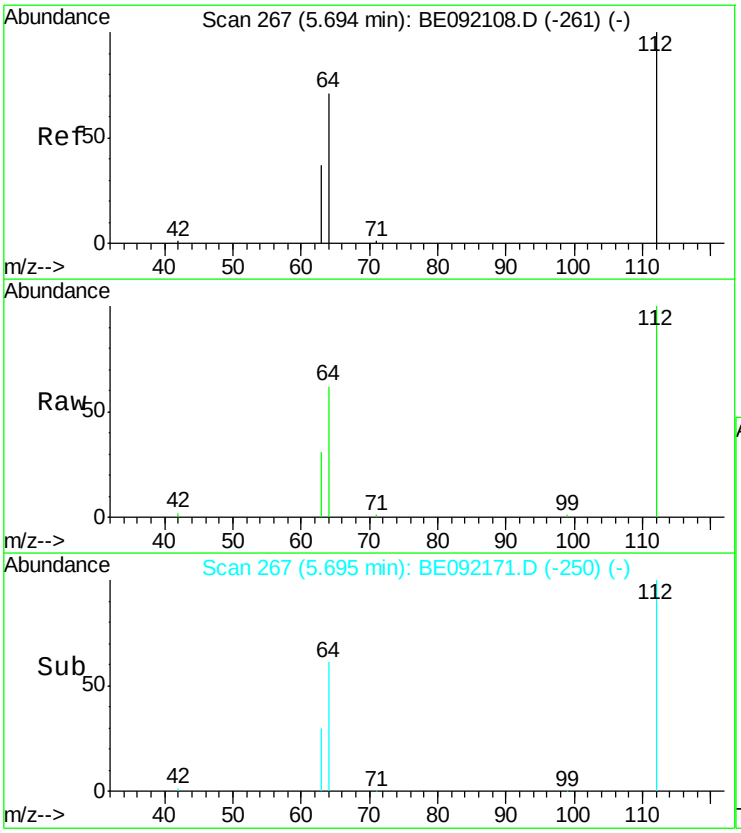
#3
n-Nitrosodimethylamine
Concen: 0.09 ng
RT: 3.79 min Scan# 104
Delta R.T. -0.01 min
Lab File: BE092171.D
Acq: 4 Aug 2016 7:28

Instrument :
BNA_E
ClientSampleId :
GW-45-7.8-13.0

Tgt Ion: 42 Resp: 4

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

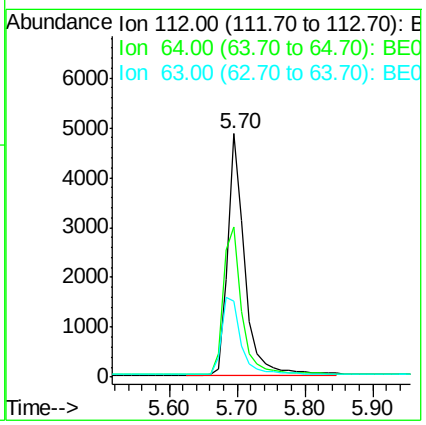


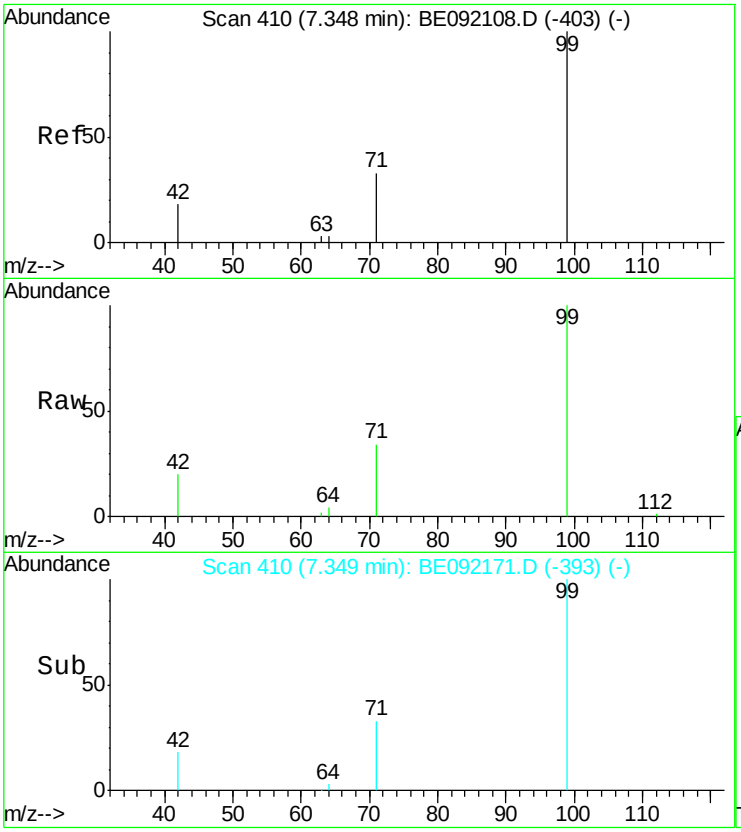


#4
2-Fluorophenol
Concen: 2.46 ng
RT: 5.70 min Scan# 267
Delta R.T. 0.00 min
Lab File: BE092171.D
Acq: 4 Aug 2016 7:28

Tgt Ion:112 Resp: 8541

Ion	Ratio	Lower	Upper
112	100		
64	67.0	55.9	83.9
63	36.6	31.1	46.7



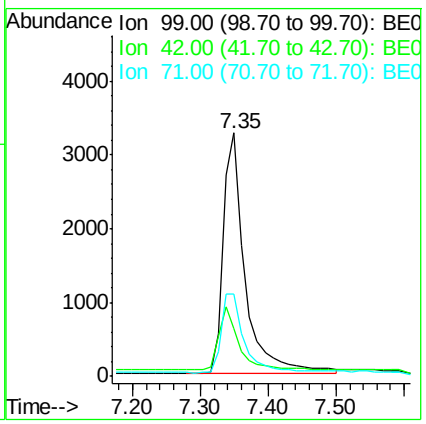


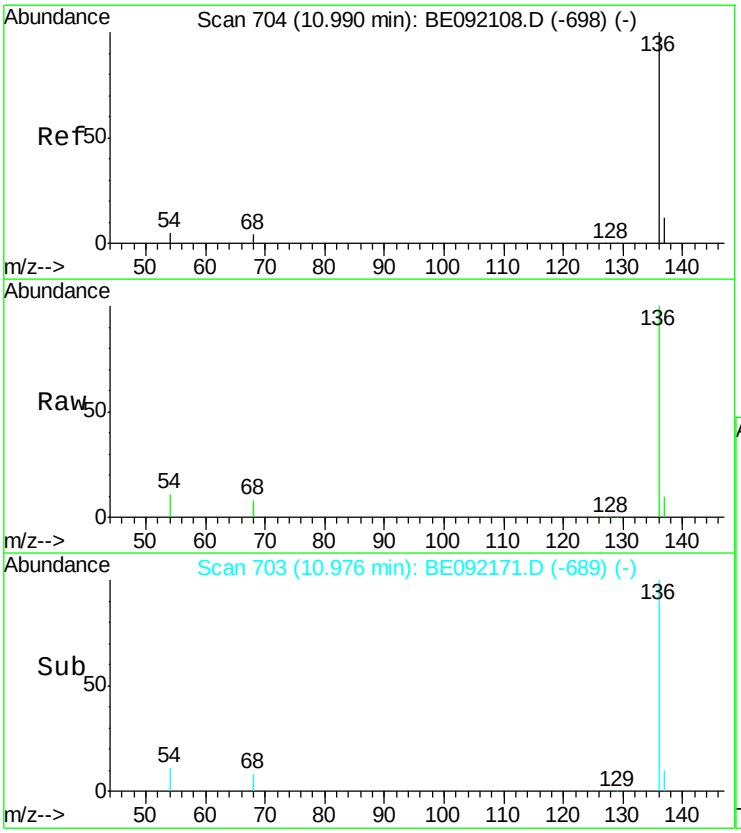
#5
Phenol-d6
Concen: 1.58 ng
RT: 7.35 min Scan# 410
Delta R.T. 0.00 min
Lab File: BE092171.D
Acq: 4 Aug 2016 7:28

Instrument :
BNA_E
ClientSampleId :
GW-45-7.8-13.0

Tgt Ion: 99 Resp: 7328

Ion	Ratio	Lower	Upper
99	100		
42	24.5	22.4	33.6
71	35.6	28.9	43.3

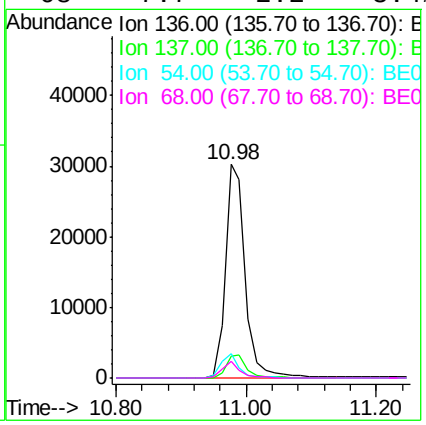


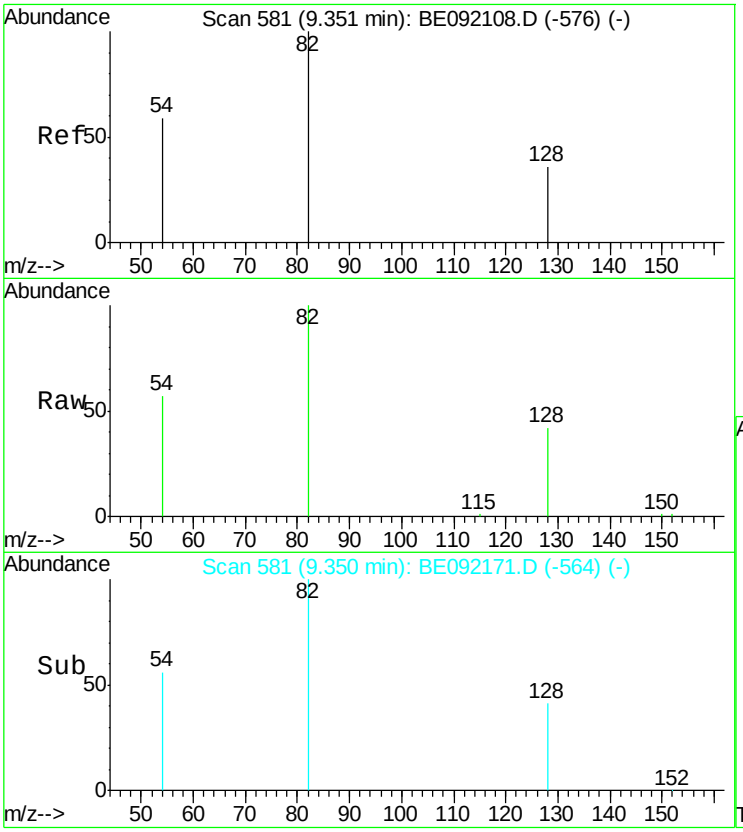


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.98 min Scan# 703
Delta R.T. -0.01 min
Lab File: BE092171.D
Acq: 4 Aug 2016 7:28

Tgt Ion:136 Resp: 64596

Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.1	13.7
54	11.2	2.7	4.1#
68	7.7	2.2	3.4#



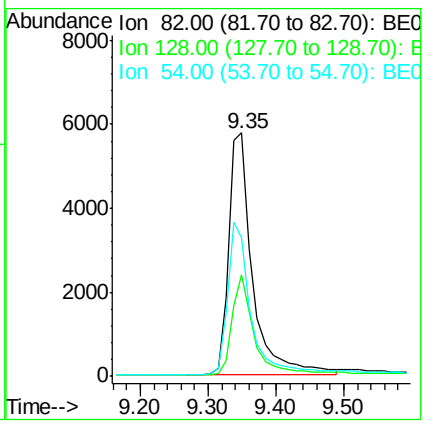


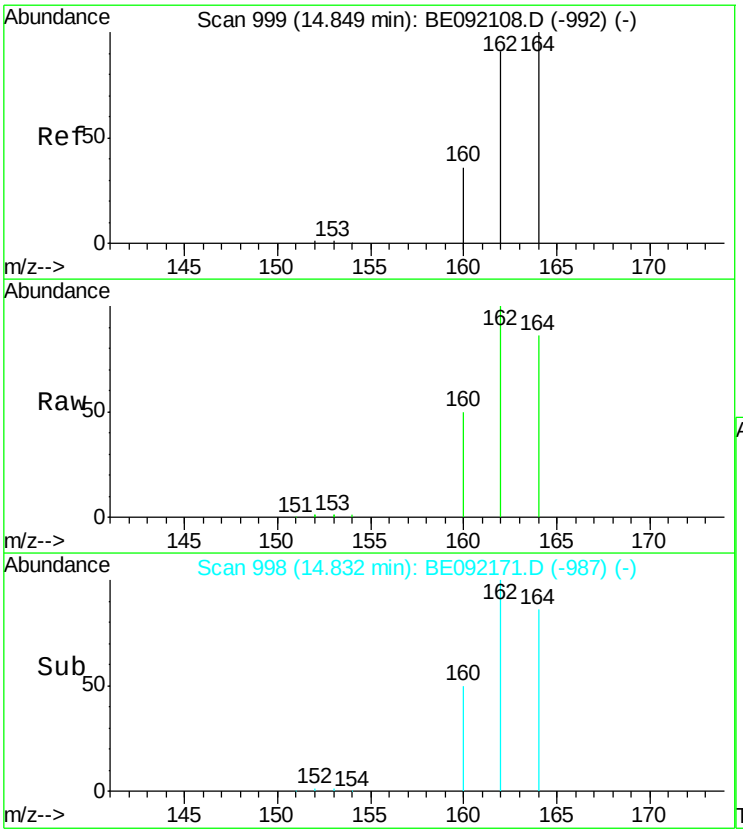
#7
Nitrobenzene-d5
Concen: 2.76 ng
RT: 9.35 min Scan# 581
Delta R.T. -0.00 min
Lab File: BE092171.D
Acq: 4 Aug 2016 7:28

Instrument :
BNA_E
ClientSampleId :
GW-45-7.8-13.0

Tgt Ion: 82 Resp: 14053

Ion	Ratio	Lower	Upper
82	100		
128	41.9	33.0	49.4
54	56.9	42.6	63.8

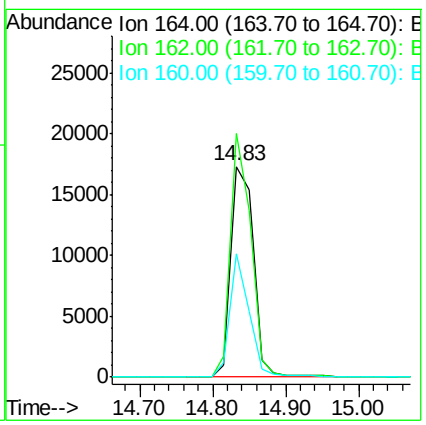


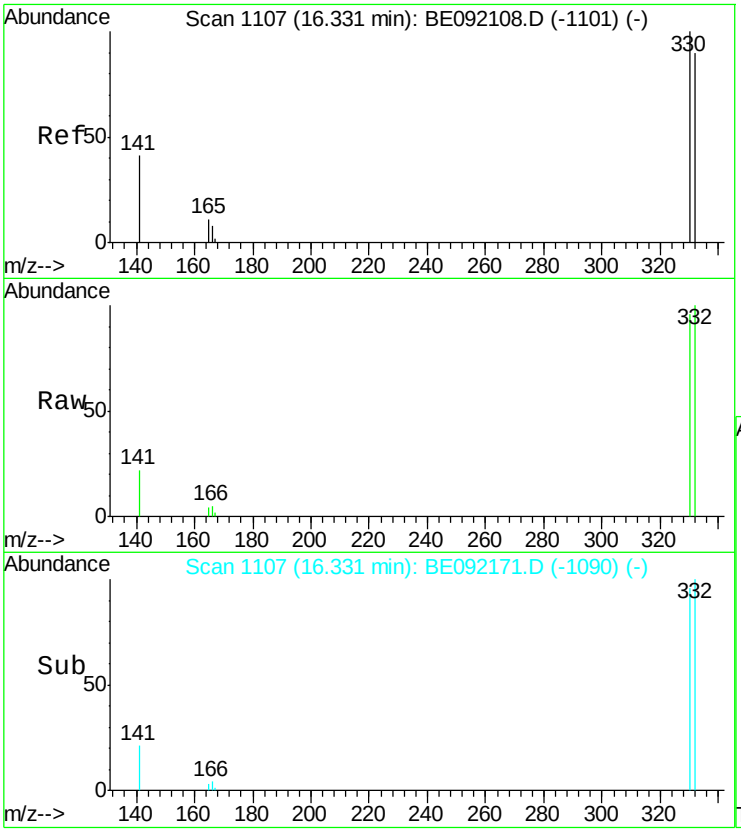


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.83 min Scan# 998
Delta R.T. -0.02 min
Lab File: BE092171.D
Acq: 4 Aug 2016 7:28

Tgt Ion:164 Resp: 36424

Ion	Ratio	Lower	Upper
164	100		
162	115.7	69.5	104.3#
160	58.3	27.6	41.4#



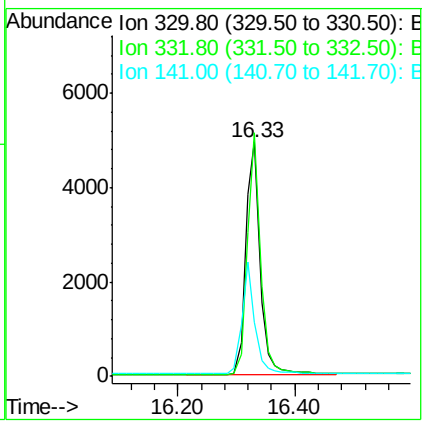


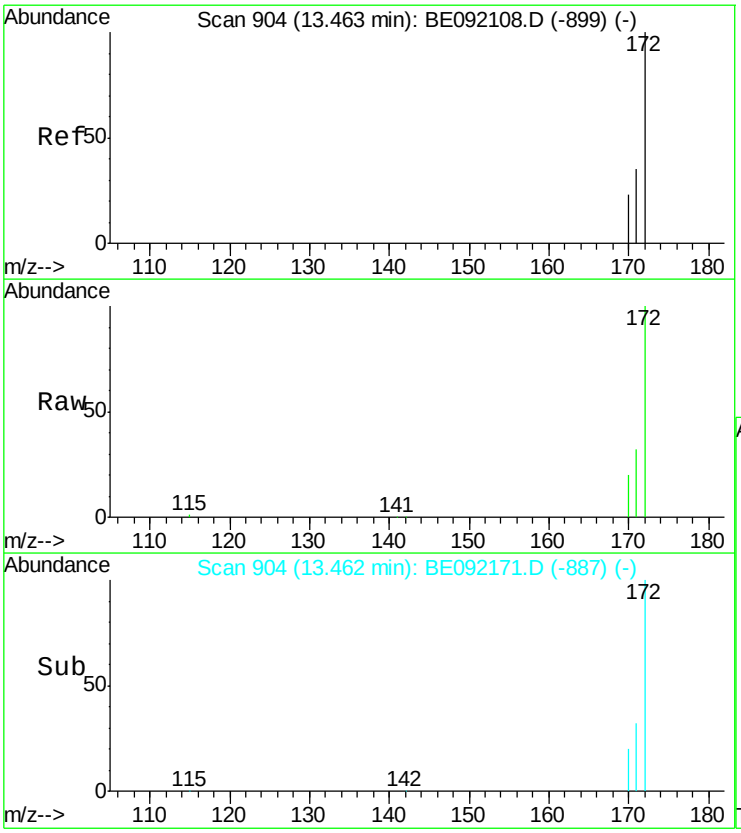
#11
2,4,6-Tribromophenol
Concen: 7.00 ng
RT: 16.33 min Scan# 1107
Delta R.T. 0.00 min
Lab File: BE092171.D
Acq: 4 Aug 2016 7:28

Instrument :
BNA_E
ClientSampleId :
GW-45-7.8-13.0

Tgt Ion:330 Resp: 8276

Ion	Ratio	Lower	Upper
330	100		
332	96.4	74.2	111.4
141	43.5	139.8	209.8#

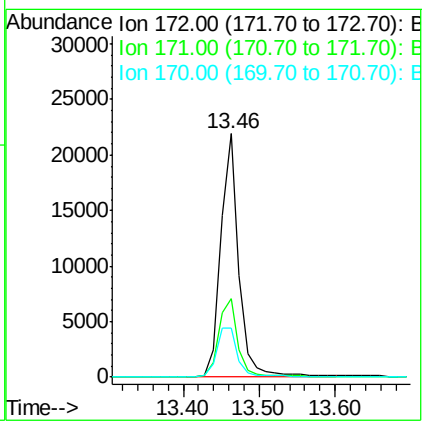


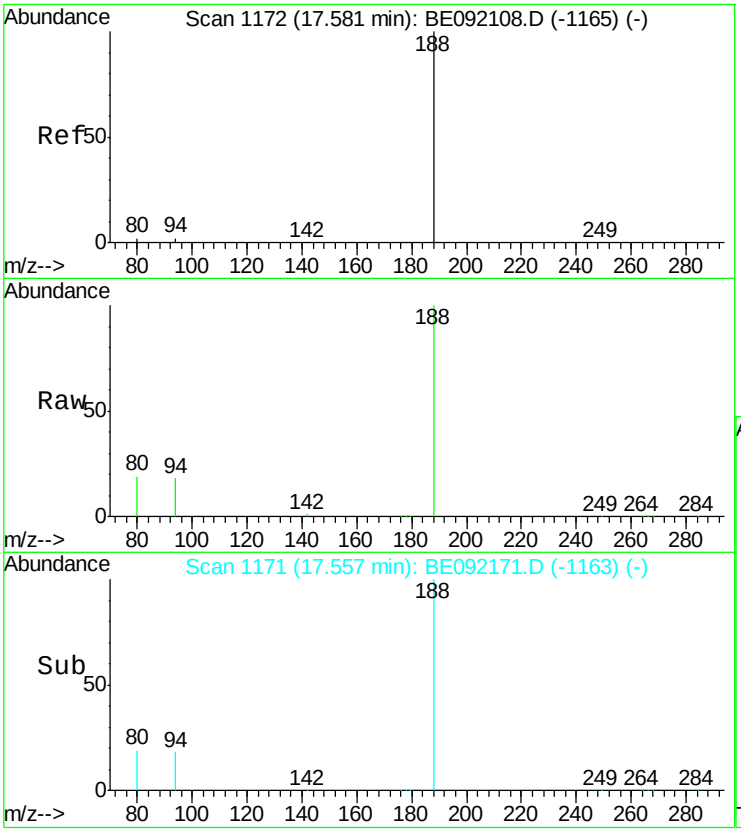


#12
2-Fluorobiphenyl
Concen: 3.17 ng
RT: 13.46 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE092171.D
Acq: 4 Aug 2016 7:28

Tgt Ion:172 Resp: 36564

Ion	Ratio	Lower	Upper
172	100		
171	32.0	30.3	45.5
170	20.0	21.6	32.4#



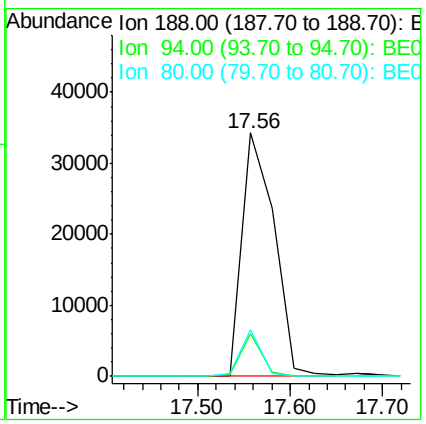


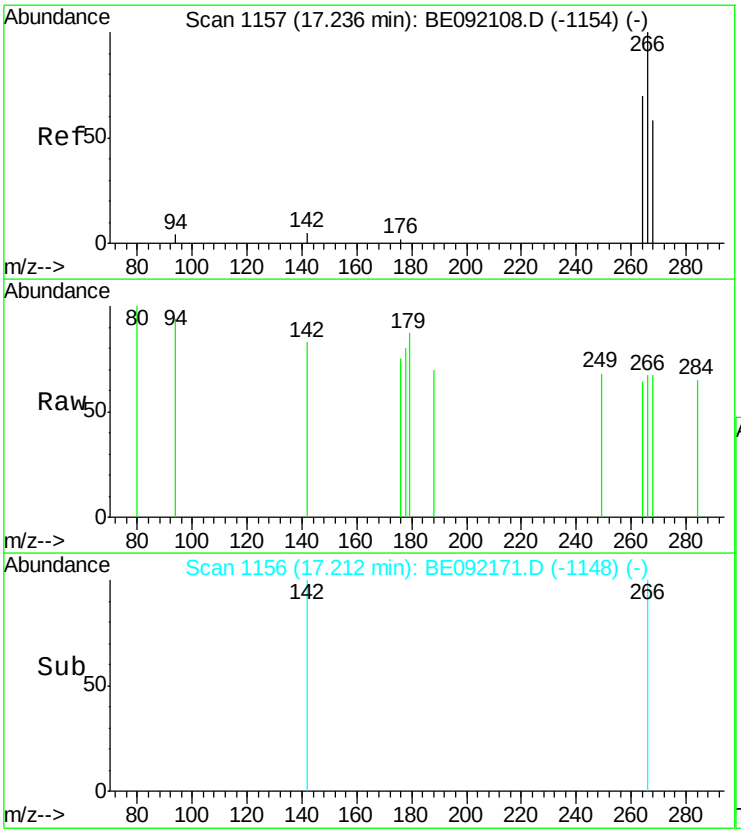
#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092171.D
Acq: 4 Aug 2016 7:28

Instrument :
BNA_E
ClientSampleId :
GW-45-7.8-13.0

Tgt Ion:188 Resp: 82327

Ion	Ratio	Lower	Upper
188	100		
94	17.8	3.9	5.9#
80	19.1	3.4	5.0#

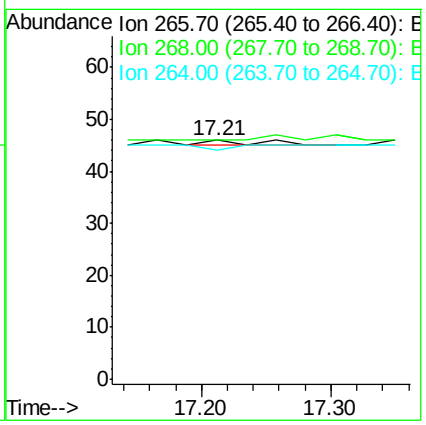


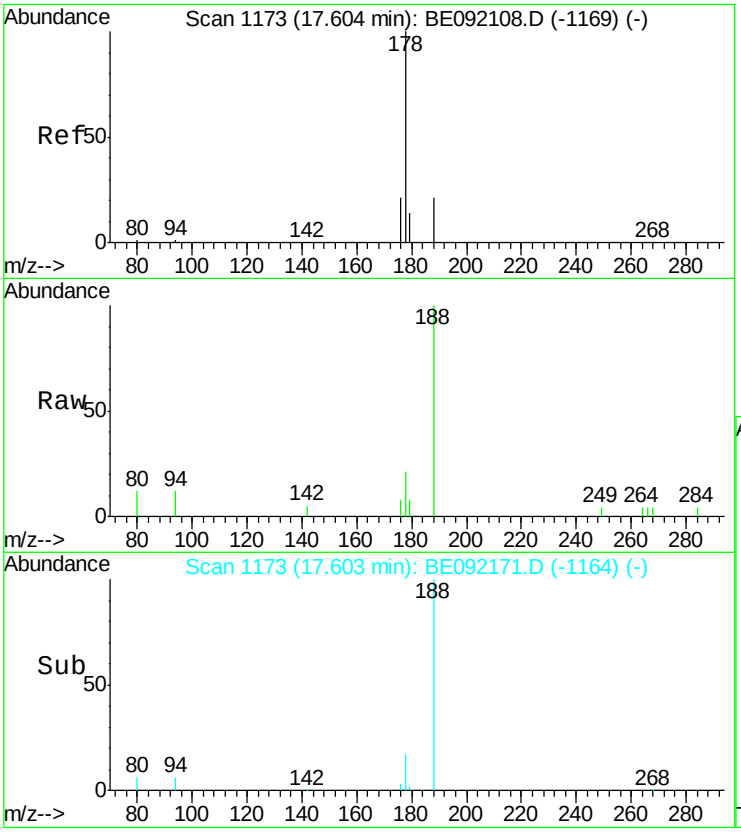


#18
Pentachlorophenol
Concen: 0.20 ng
RT: 17.21 min Scan# 1156
Delta R.T. -0.02 min
Lab File: BE092171.D
Acq: 4 Aug 2016 7:28

Tgt Ion:266 Resp: 3

Ion	Ratio	Lower	Upper
266	100		
268	100.0	62.7	94.1#
264	95.7	63.5	95.3#



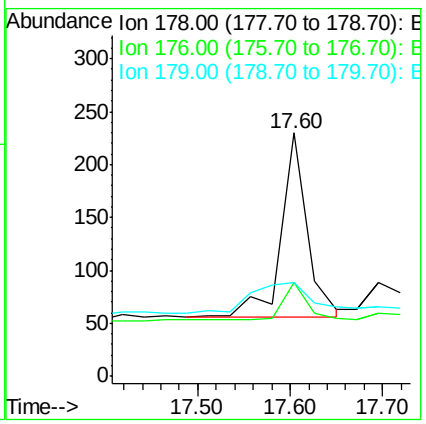


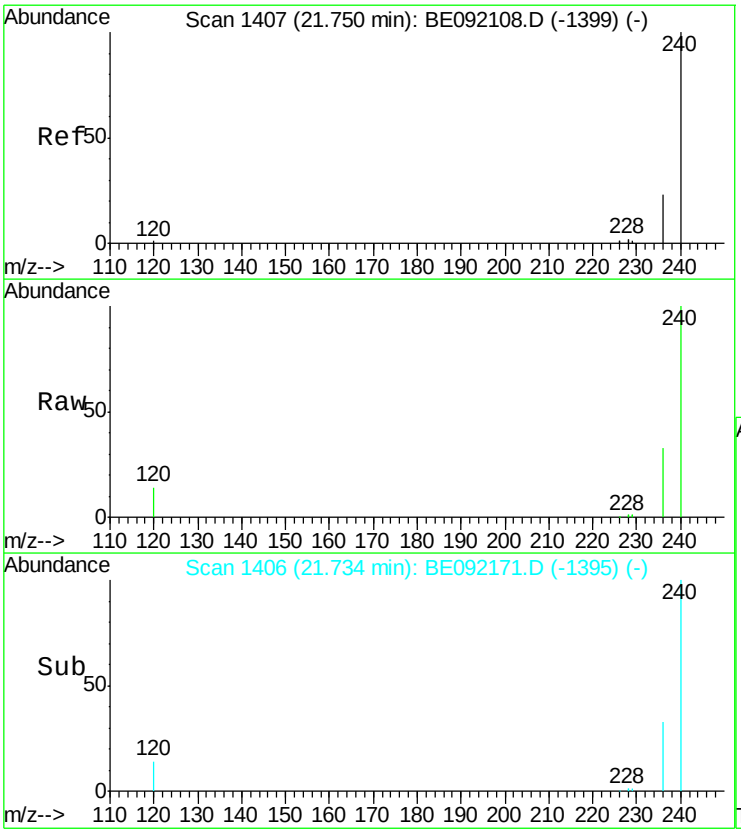
#19
Phenanthrene
Concen: Below Cal
RT: 17.60 min Scan# 1173
Delta R.T. -0.00 min
Lab File: BE092171.D
Acq: 4 Aug 2016 7:28

Instrument :
BNA_E
ClientSampleId :
GW-45-7.8-13.0

Tgt Ion:178 Resp: 343

Ion	Ratio	Lower	Upper
178	100		
176	23.0	15.4	23.0
179	38.8	12.7	19.1#

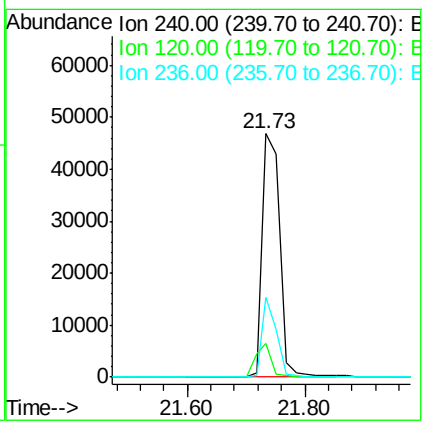


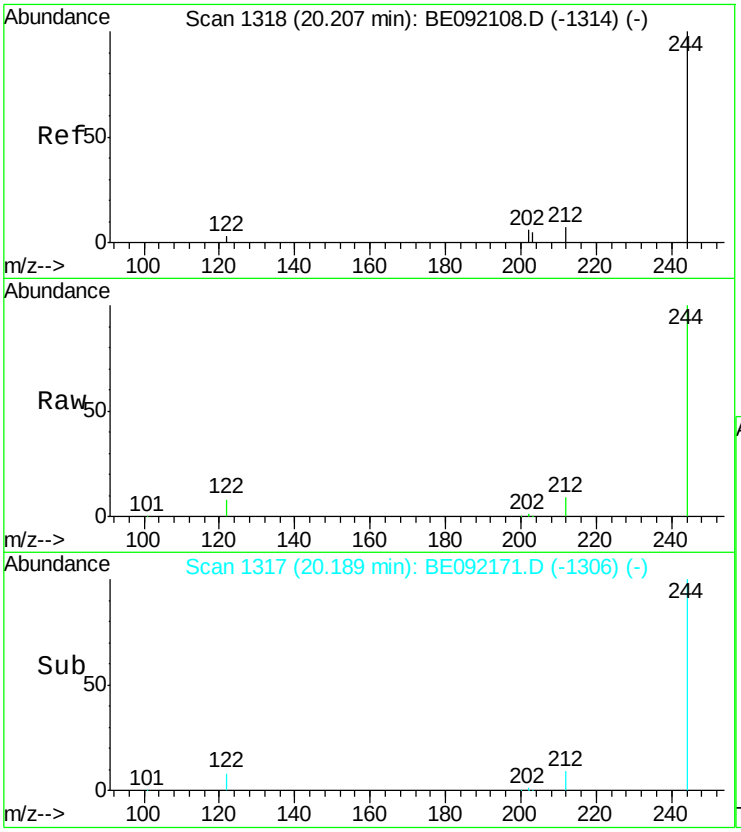


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.73 min Scan# 1406
Delta R.T. -0.02 min
Lab File: BE092171.D
Acq: 4 Aug 2016 7:28

Tgt Ion:240 Resp: 96681

Ion	Ratio	Lower	Upper
240	100		
120	13.8	0.6	1.0#
236	32.7	18.2	27.4#



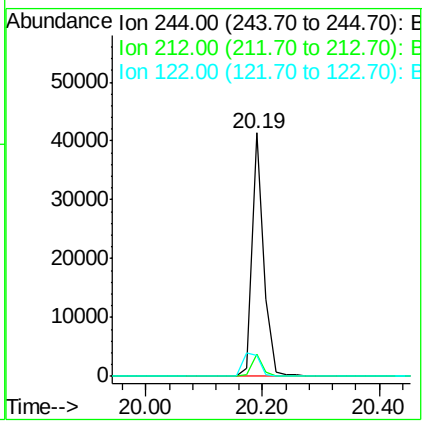


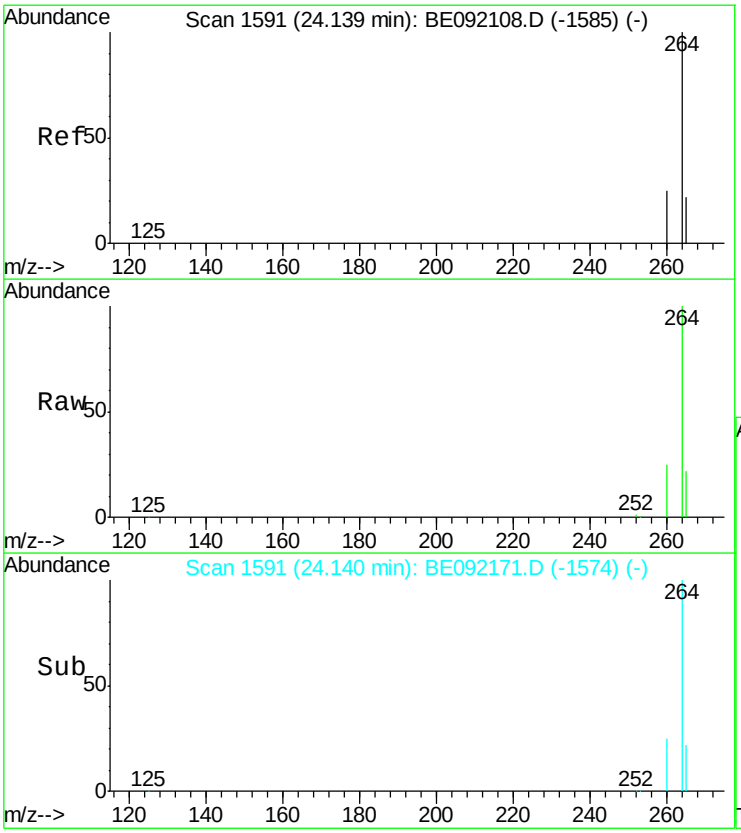
#24
Terphenyl-d14
Concen: 4.22 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092171.D
Acq: 4 Aug 2016 7:28

Instrument :
BNA_E
ClientSampleId :
GW-45-7.8-13.0

Tgt Ion:244 Resp: 58567

Ion	Ratio	Lower	Upper
244	100		
212	9.3	9.1	13.7
122	8.3	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: BE092171.D
Acq: 4 Aug 2016 7:28

Tgt Ion:264 Resp: 92286

Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.8	31.2
265	22.5	16.6	25.0