Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
Data File : BE088149.D
Acq On : 21 Oct 2014 19:05
Operator : TP/JJ
Sample : F4351-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : YS19-SW07-1014

Quant Time: Oct 22 04:38:25 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 21 02:11:14 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	33579	5.00	ng		0.00
3) Naphthalene-d8	8.70	136	124081	5.00	ng		0.00
7) Acenaphthene-d10	10.85	164	55955	5.00	ng		0.00
12) Phenanthrene-d10	12.96	188	104072	5.00	ng		0.00
16) Chrysene-d12	18.38	240	72962	5.00	ng		0.00
22) Perylene-d12	21.44	264	68836	5.00	ng		0.00
System Monitoring Compounds							
4) Nitrobenzene-d5	7.82	82	47795	5.34	ng		0.00
8) 2-Fluorobiphenyl	10.03	172	86648	5.61	ng		0.00
18) Terphenyl-d14	16.15	244	96445	8.21	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.01	88	10998	2.28	ng	#	1
10) Acenaphthene	10.88	154	371	0.03	ng		98
13) Phenanthrene	13.00	178	3728	Below Cal		#	59
14) Anthracene	13.09	178	2313	0.03	ng	#	79
15) Fluoranthene	15.24	202	1156	0.06	ng		98
17) Pyrene	15.70	202	1200	0.06	ng		97
19) Benzo(a)anthracene	18.36	228	4075	0.06	ng	#	84
20) Chrysene	18.44	228	5066	0.08	ng	#	87
23) Benzo(b)fluoranthene	20.69	252	482	0.03	ng	#	52
24) Benzo(k)fluoranthene	20.74	252	519	0.03	ng	#	52

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

Quantitation Report (Not Reviewed)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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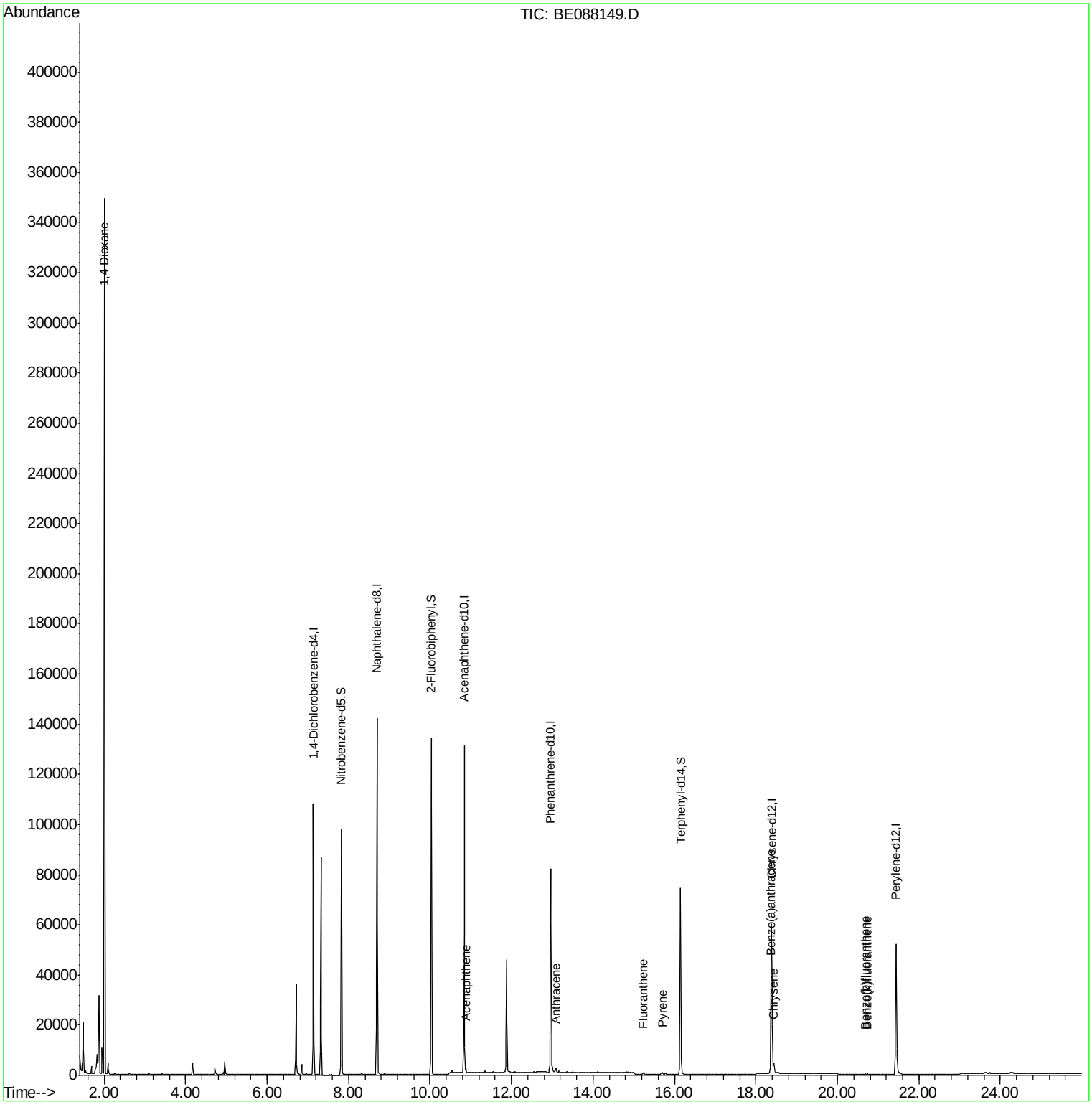
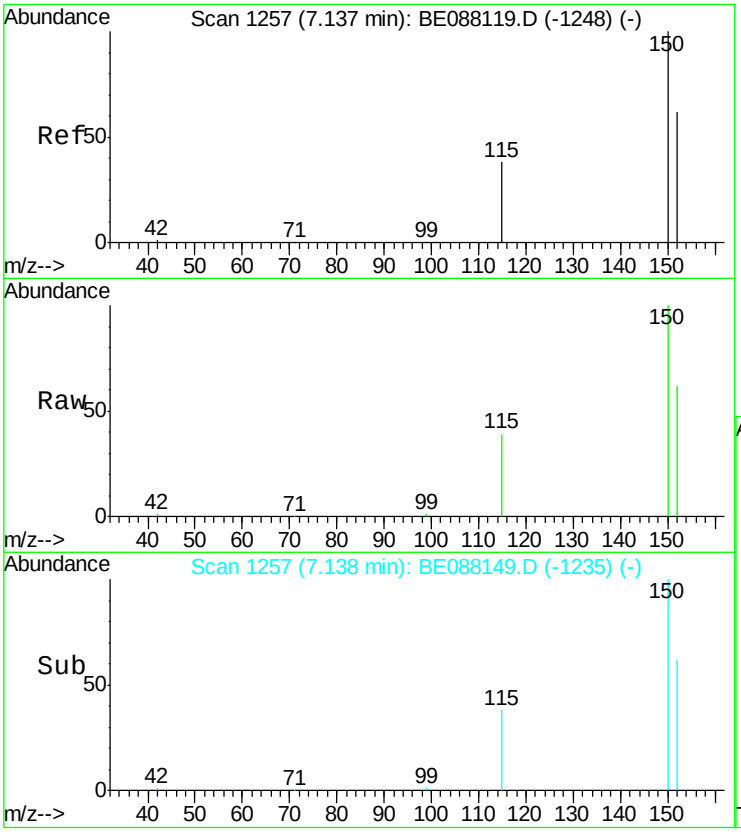


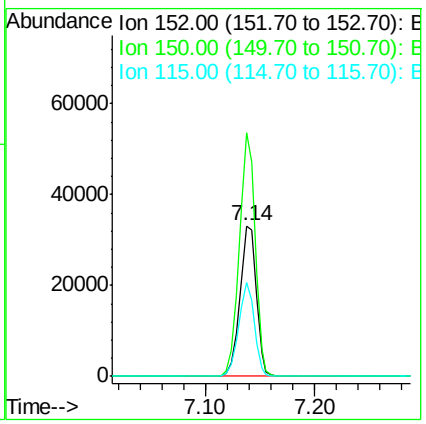


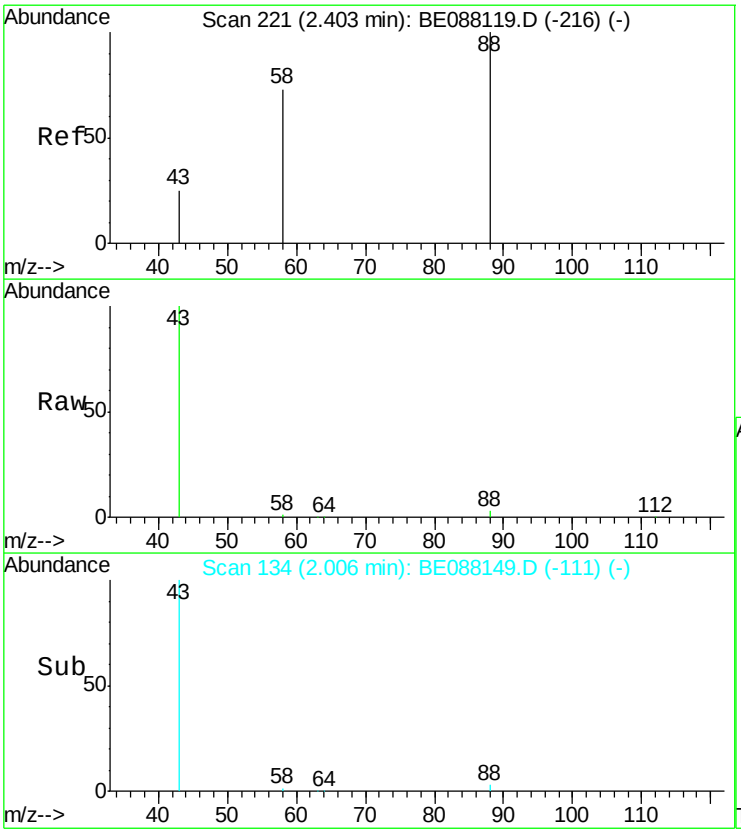
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.14 min Scan# 1257
Delta R.T. 0.00 min
Lab File: BE088149.D
Acq: 21 Oct 2014 19:05

Instrument :
BNA_E
ClientSampleId :
YS19-SW07-1014

Tgt Ion:152 Resp: 33579

Ion	Ratio	Lower	Upper
152	100		
150	161.7	129.2	193.8
115	62.3	49.3	73.9

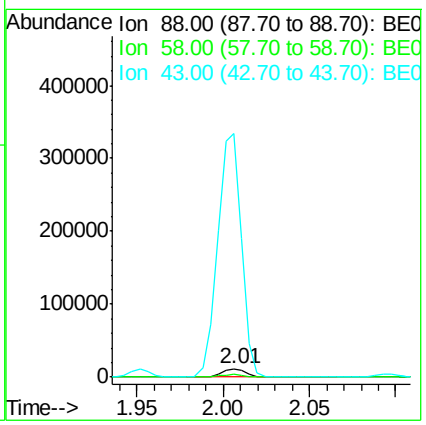


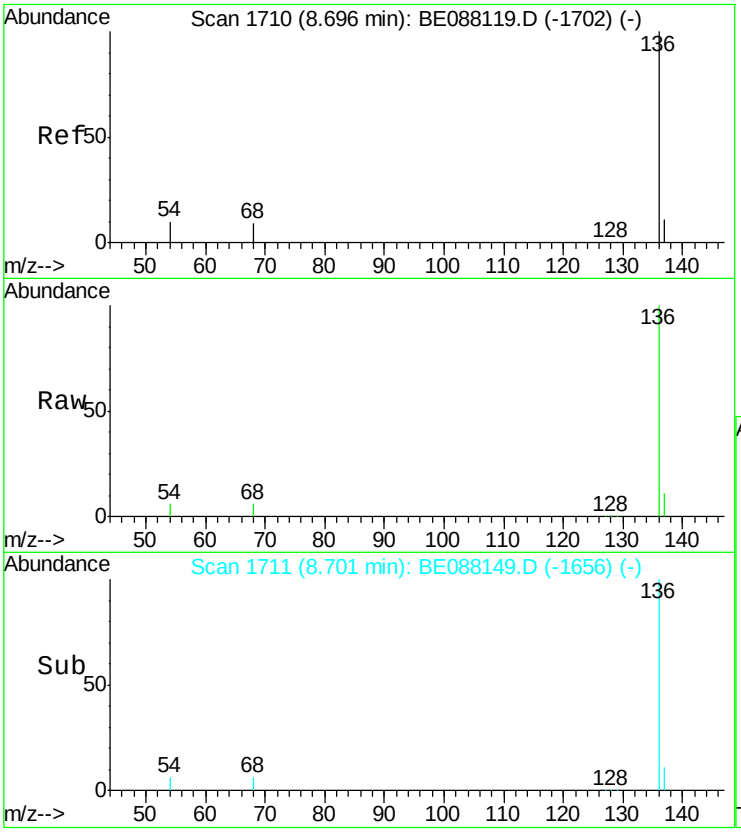


#2
1,4-Dioxane
Concen: 2.28 ng
RT: 2.01 min Scan# 134
Delta R.T. -0.40 min
Lab File: BE088149.D
Acq: 21 Oct 2014 19:05

Tgt Ion: 88 Resp: 10998

Ion	Ratio	Lower	Upper
88	100		
58	27.3	59.5	89.3#
43	2944.9	21.2	31.8#



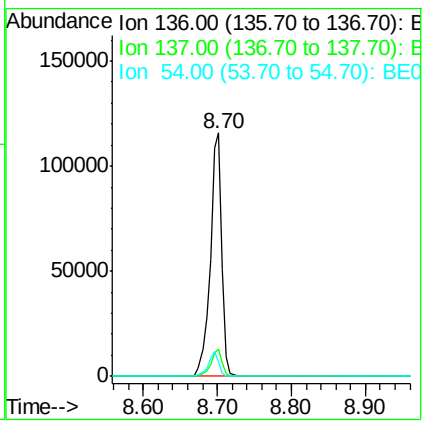


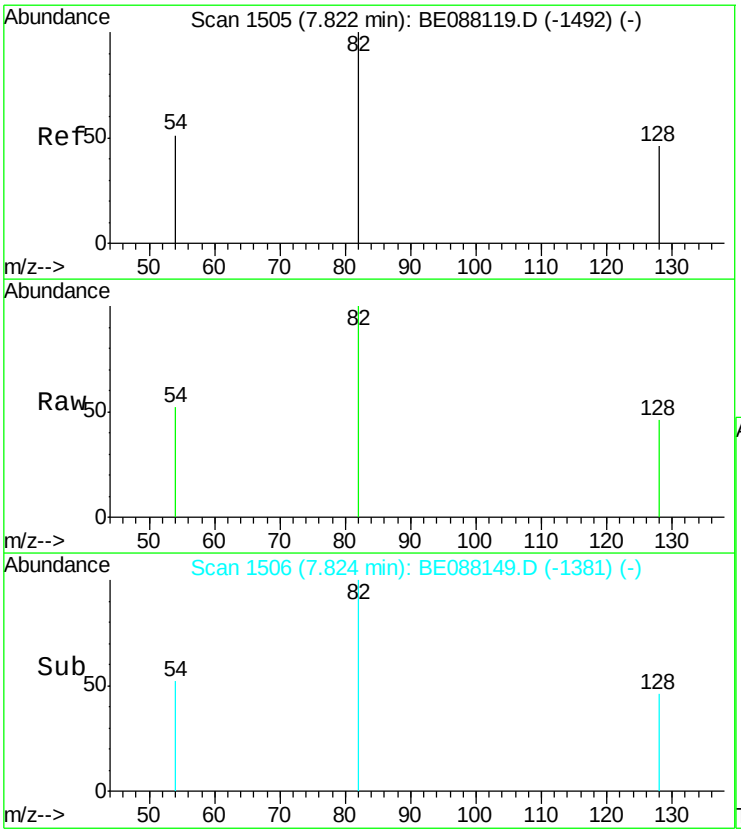
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.70 min Scan# 1711
Delta R.T. 0.01 min
Lab File: BE088149.D
Acq: 21 Oct 2014 19:05

Instrument :
BNA_E
ClientSampleId :
YS19-SW07-1014

Tgt Ion:136 Resp: 124081

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	12.8
54	5.8	7.7	11.5#

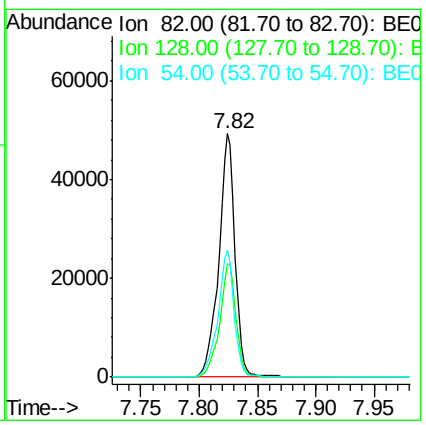


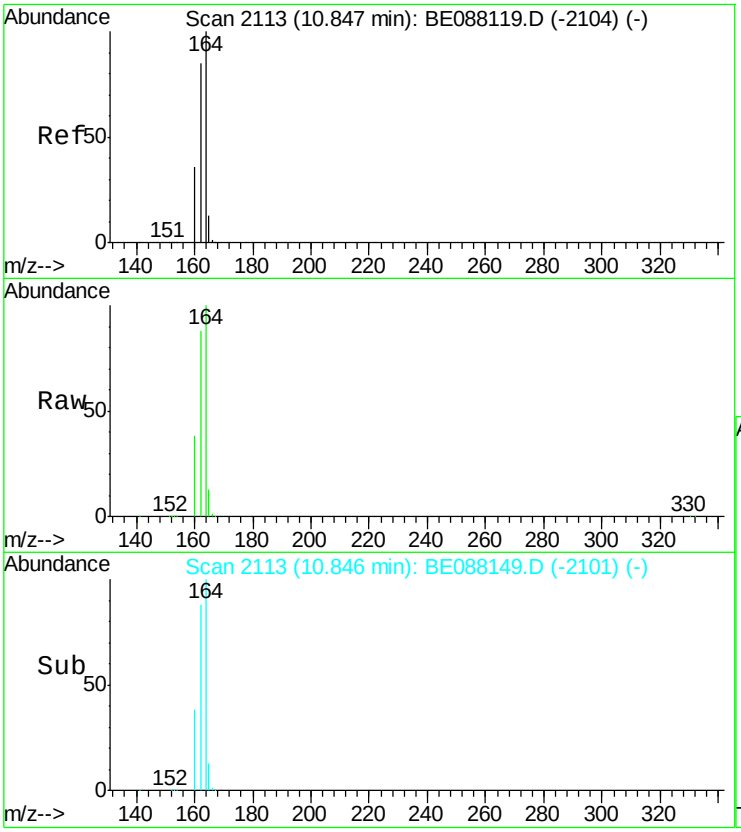


#4
Nitrobenzene-d5
Concen: 5.34 ng
RT: 7.82 min Scan# 1506
Delta R.T. 0.00 min
Lab File: BE088149.D
Acq: 21 Oct 2014 19:05

Tgt Ion: 82 Resp: 47795

Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.1	55.7
54	52.4	41.1	61.7



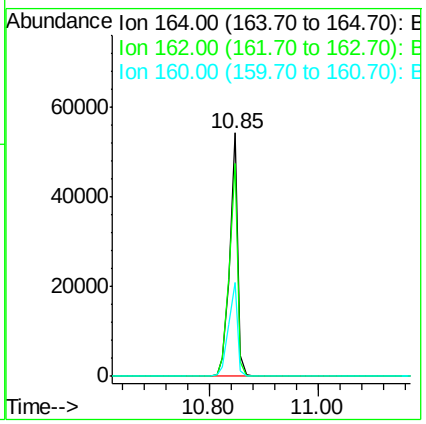


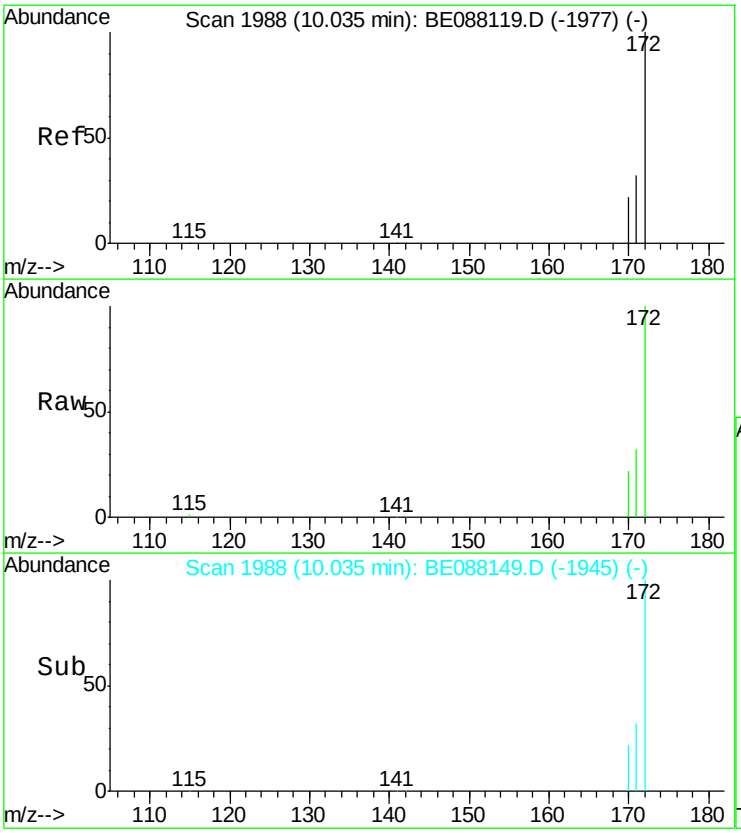
#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.85 min Scan# 2113
Delta R.T. -0.00 min
Lab File: BE088149.D
Acq: 21 Oct 2014 19:05

Instrument :
BNA_E
ClientSampleId :
YS19-SW07-1014

Tgt Ion:164 Resp: 55955

Ion	Ratio	Lower	Upper
164	100		
162	87.7	68.3	102.5
160	38.3	28.7	43.1

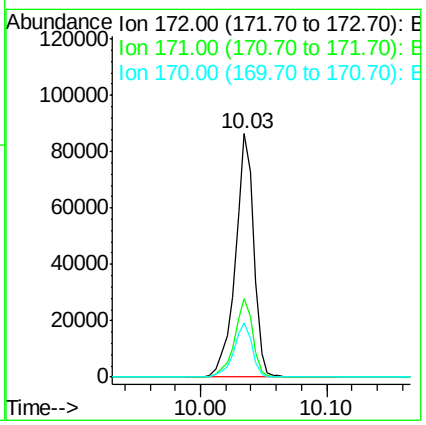


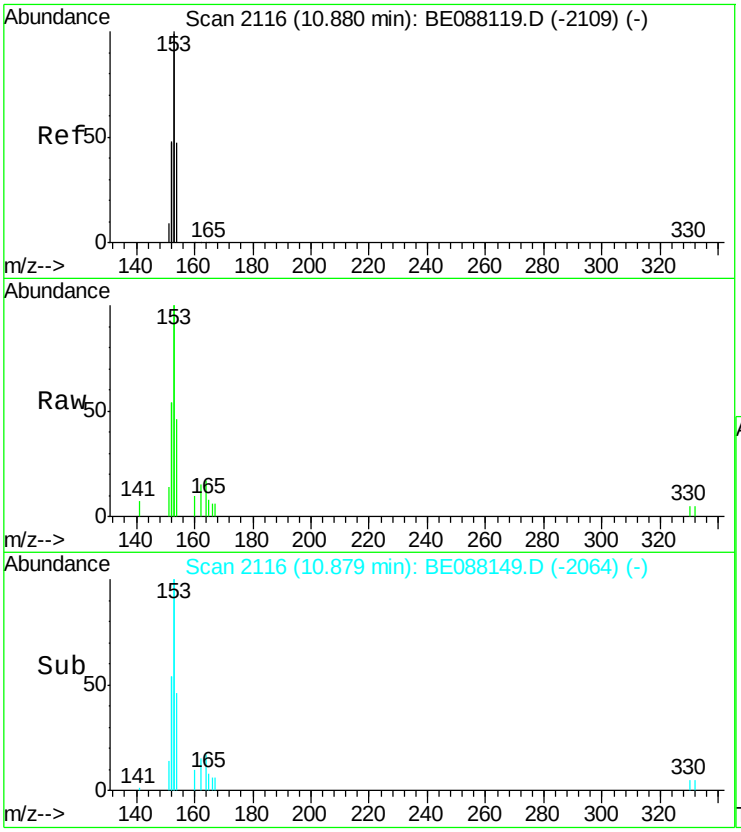


#8
2-Fluorobiphenyl
Concen: 5.61 ng
RT: 10.03 min Scan# 1988
Delta R.T. -0.00 min
Lab File: BE088149.D
Acq: 21 Oct 2014 19:05

Tgt Ion:172 Resp: 86648

Ion	Ratio	Lower	Upper
172	100		
171	32.5	25.4	38.2
170	22.4	17.4	26.2



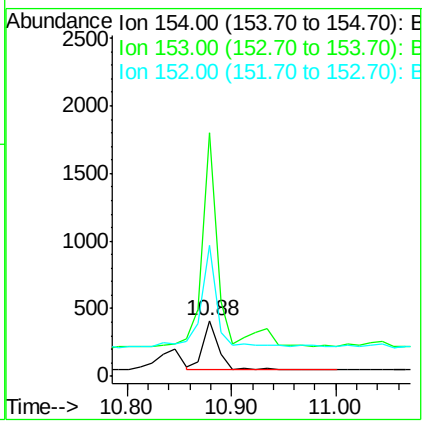


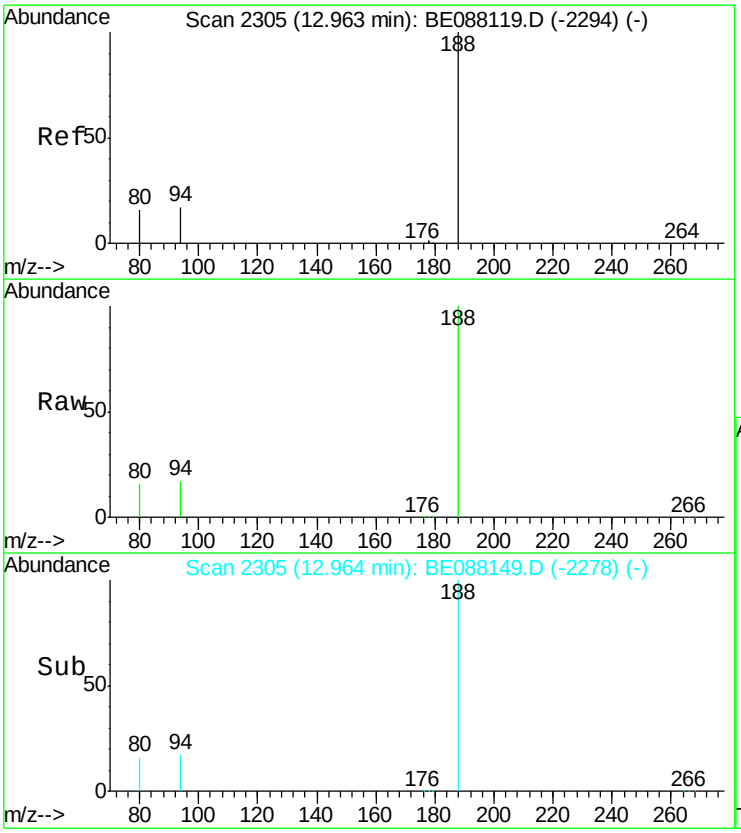
#10
Acenaphthene
Concen: 0.03 ng
RT: 10.88 min Scan# 2116
Delta R.T. -0.00 min
Lab File: BE088149.D
Acq: 21 Oct 2014 19:05

Instrument :
BNA_E
ClientSampleId :
YS19-SW07-1014

Tgt Ion:154 Resp: 371

Ion	Ratio	Lower	Upper
154	100		
153	404.3	327.8	491.6
152	192.7	157.6	236.4

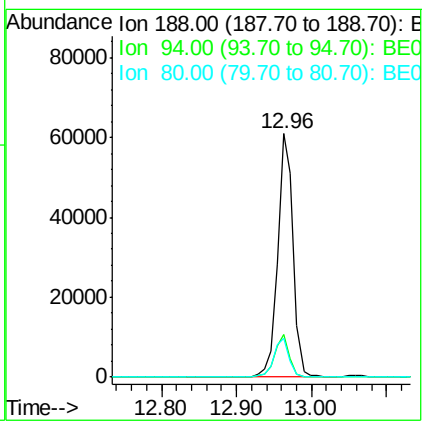


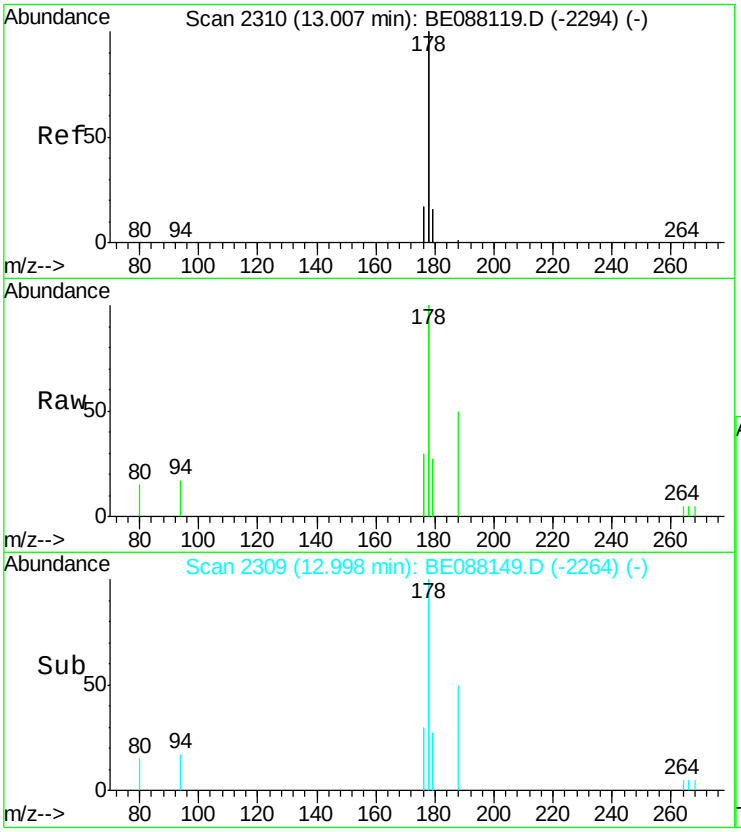


#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.96 min Scan# 2305
Delta R.T. 0.00 min
Lab File: BE088149.D
Acq: 21 Oct 2014 19:05

Tgt Ion:188 Resp: 104072

Ion	Ratio	Lower	Upper
188	100		
94	17.4	13.9	20.9
80	16.2	12.9	19.3



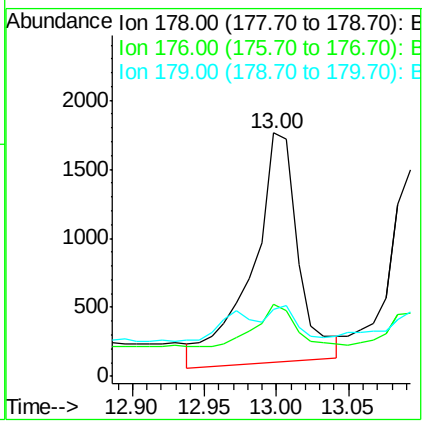


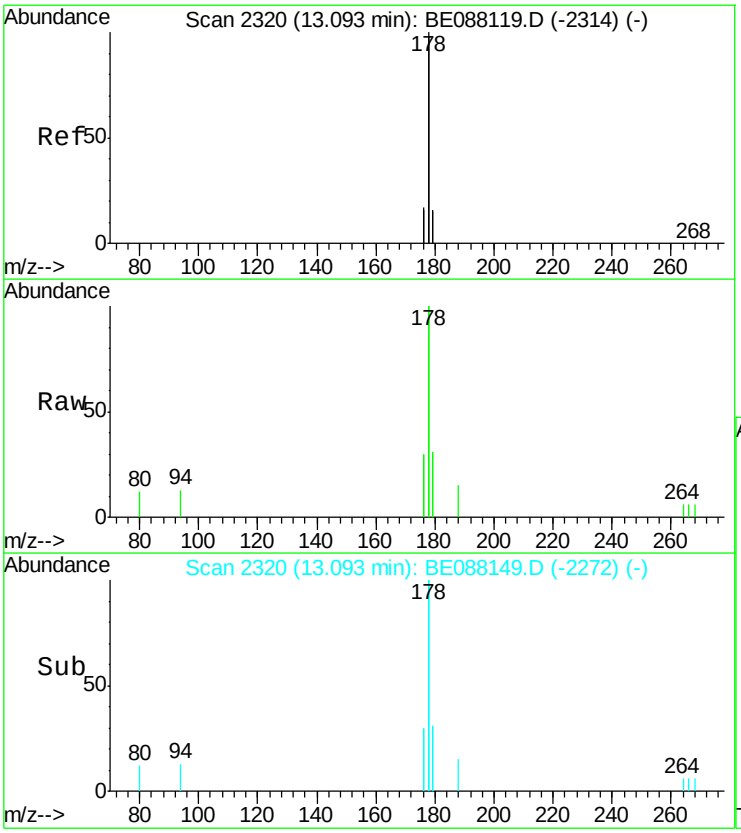
#13
Phenanthrene
Concen: Below Cal
RT: 13.00 min Scan# 2309
Delta R.T. -0.01 min
Lab File: BE088149.D
Acq: 21 Oct 2014 19:05

Instrument :
BNA_E
ClientSampleId :
YS19-SW07-1014

Tgt Ion:178 Resp: 3728

Ion	Ratio	Lower	Upper
178	100		
176	33.5	12.5	18.7#
179	0.0	13.5	20.3#

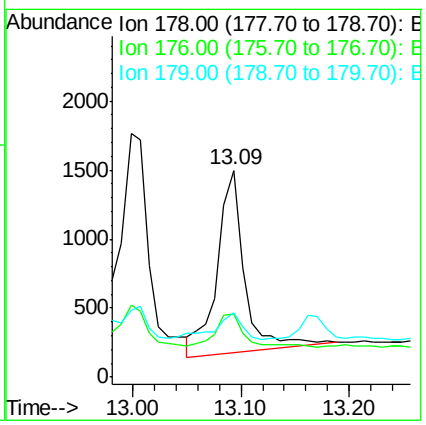


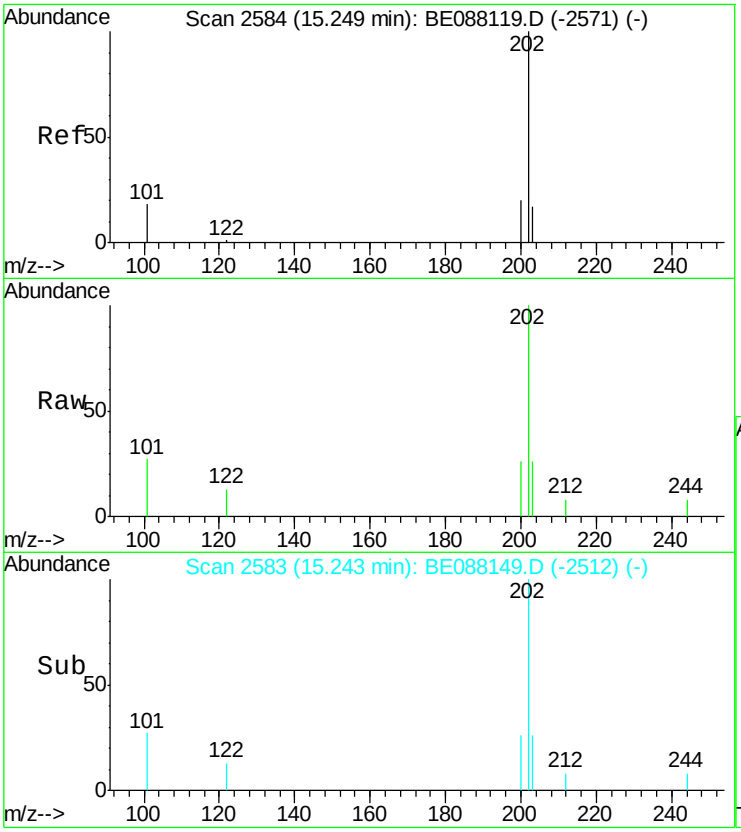


#14
Anthracene
Concen: 0.03 ng
RT: 13.09 min Scan# 2320
Delta R.T. 0.00 min
Lab File: BE088149.D
Acq: 21 Oct 2014 19:05

Tgt Ion:178 Resp: 2313

Ion	Ratio	Lower	Upper
178	100		
176	30.0	14.6	21.8#
179	9.6	12.5	18.7#



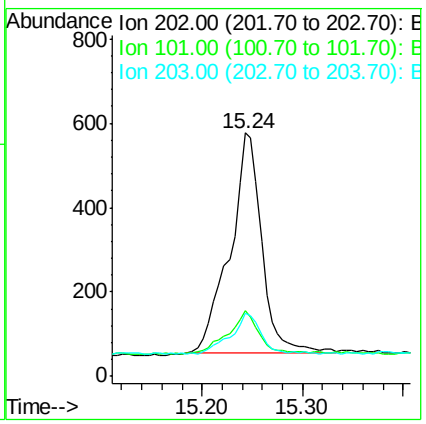


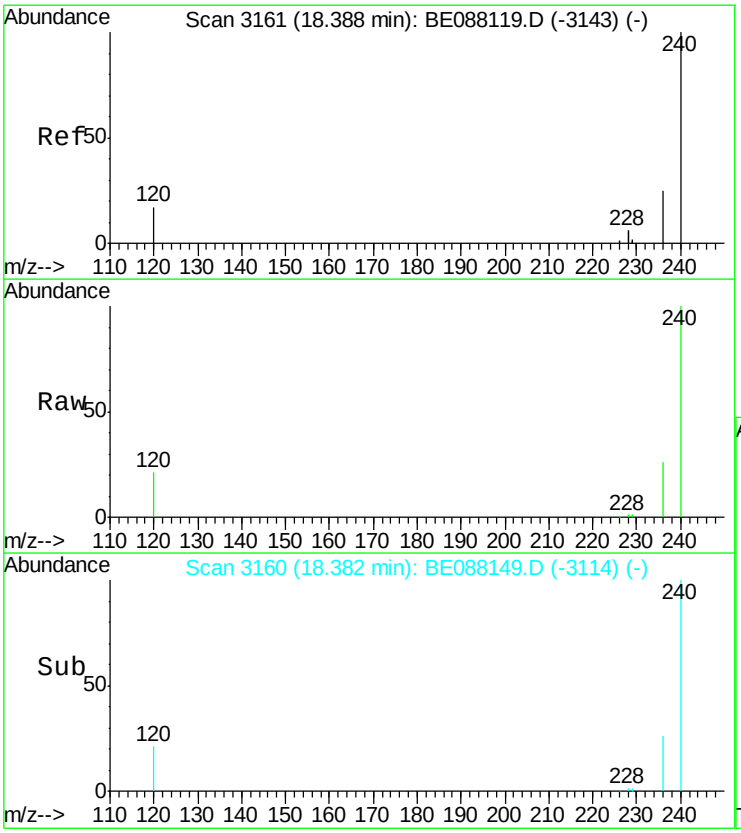
#15
Fluoranthene
Concen: 0.06 ng
RT: 15.24 min Scan# 2583
Delta R.T. -0.01 min
Lab File: BE088149.D
Acq: 21 Oct 2014 19:05

Instrument :
BNA_E
ClientSampleId :
YS19-SW07-1014

Tgt Ion:202 Resp: 1156

Ion	Ratio	Lower	Upper
202	100		
101	17.0	14.8	22.2
203	17.0	13.5	20.3

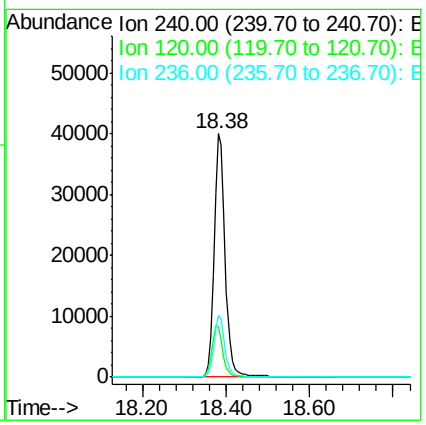


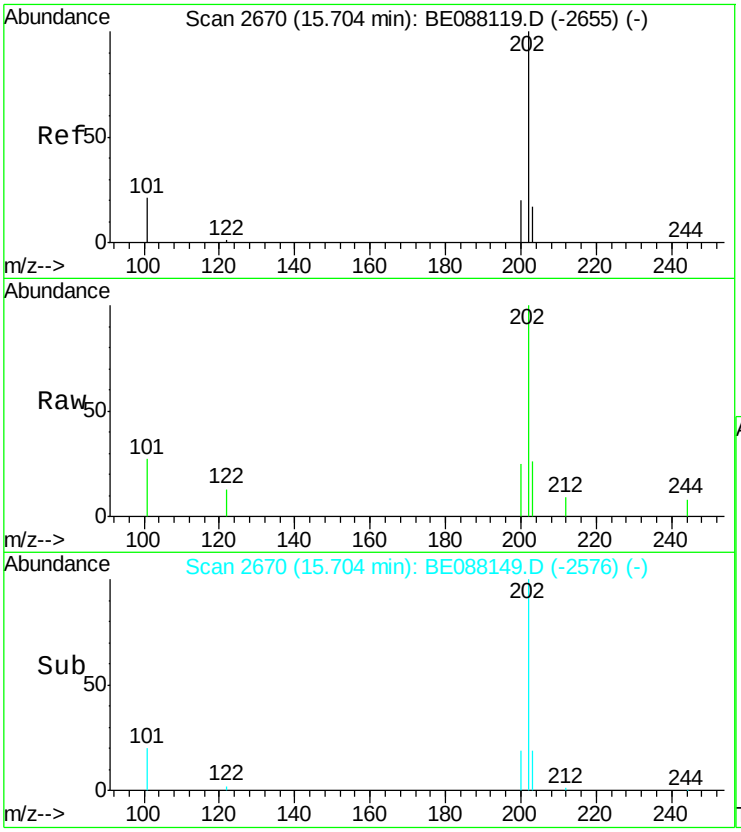


#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.38 min Scan# 3160
Delta R.T. -0.01 min
Lab File: BE088149.D
Acq: 21 Oct 2014 19:05

Tgt Ion:240 Resp: 72962

Ion	Ratio	Lower	Upper
240	100		
120	20.7	13.9	20.9
236	25.6	19.9	29.9



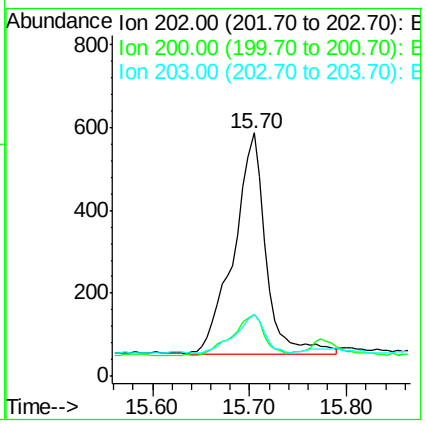


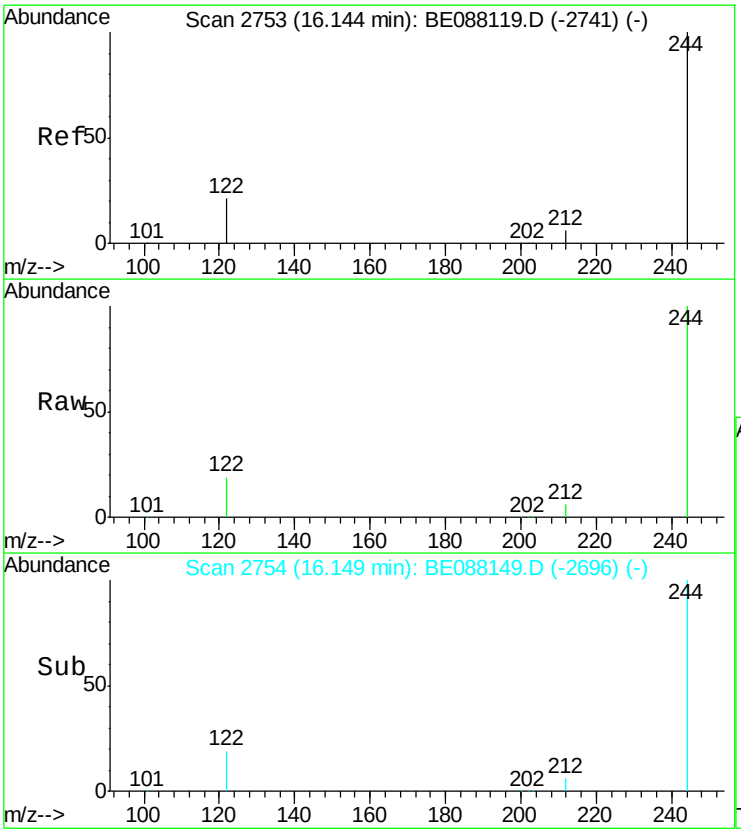
#17
Pyrene
Concen: 0.06 ng
RT: 15.70 min Scan# 2670
Delta R.T. -0.00 min
Lab File: BE088149.D
Acq: 21 Oct 2014 19:05

Instrument :
BNA_E
ClientSampleId :
YS19-SW07-1014

Tgt Ion:202 Resp: 1200

Ion	Ratio	Lower	Upper
202	100		
200	19.0	16.1	24.1
203	16.2	13.9	20.9

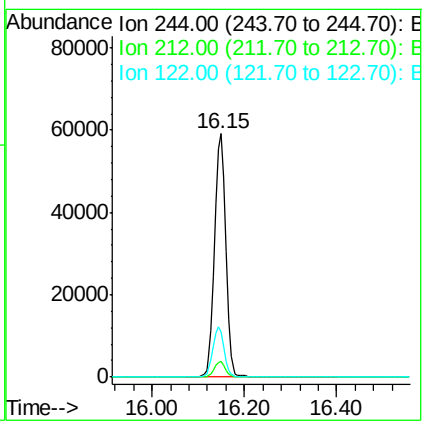


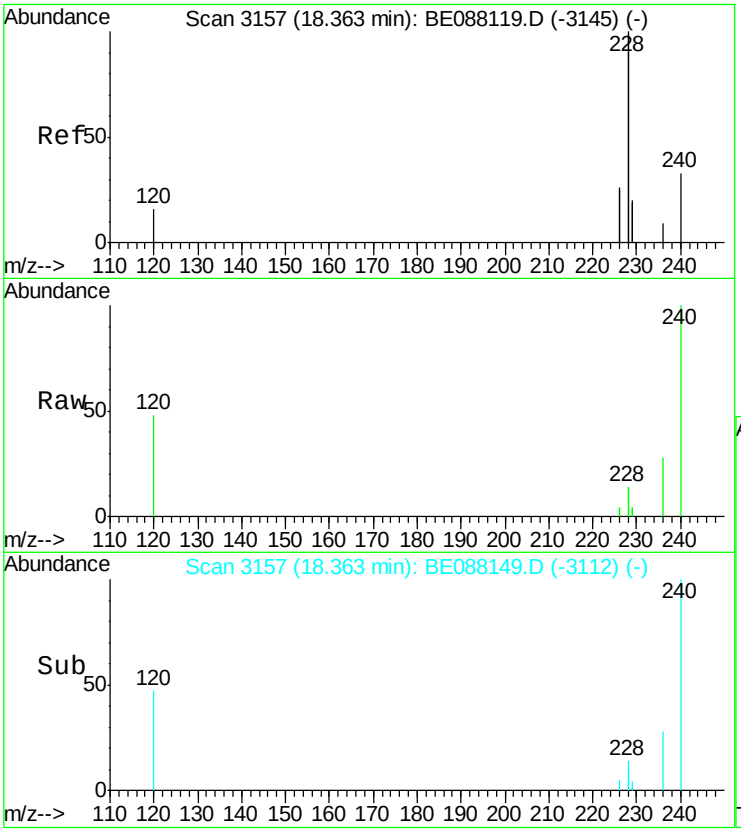


#18
Terphenyl-d14
Concen: 8.21 ng
RT: 16.15 min Scan# 2754
Delta R.T. 0.01 min
Lab File: BE088149.D
Acq: 21 Oct 2014 19:05

Tgt Ion:244 Resp: 96445

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	18.8	17.5	26.3



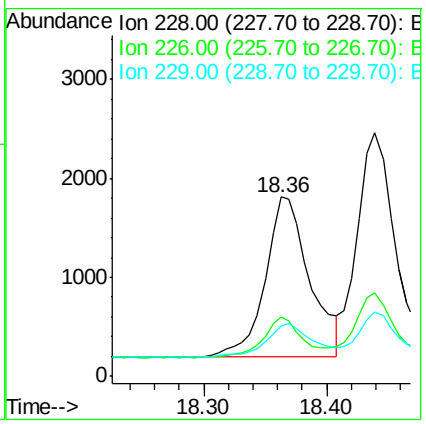


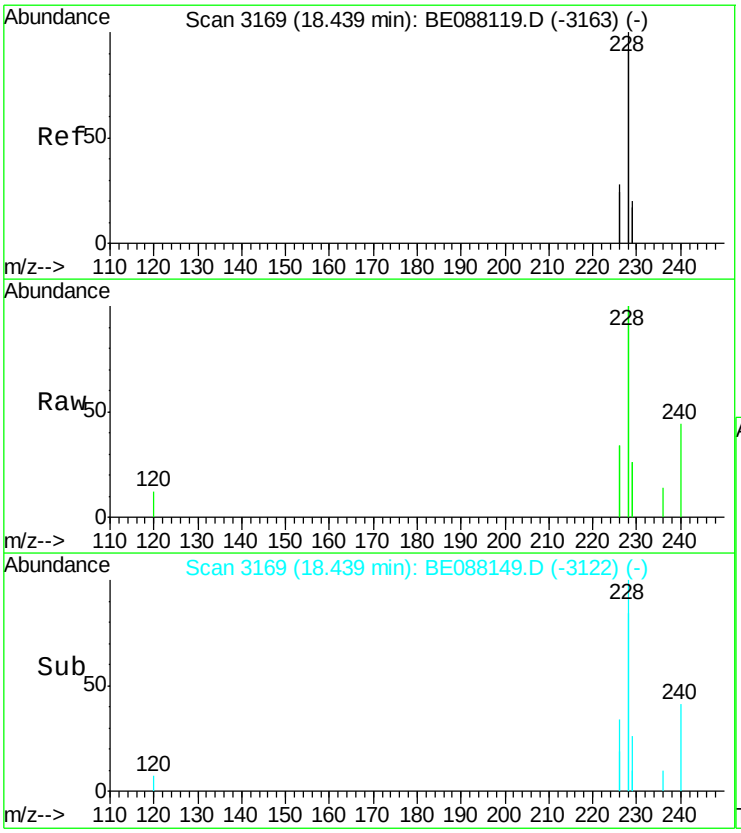
#19
Benzo(a)anthracene
Concen: 0.06 ng
RT: 18.36 min Scan# 3157
Delta R.T. 0.00 min
Lab File: BE088149.D
Acq: 21 Oct 2014 19:05

Instrument :
BNA_E
ClientSampleId :
YS19-SW07-1014

Tgt Ion:228 Resp: 4075

Ion	Ratio	Lower	Upper
228	100		
226	33.0	20.8	31.2#
229	28.3	15.6	23.4#

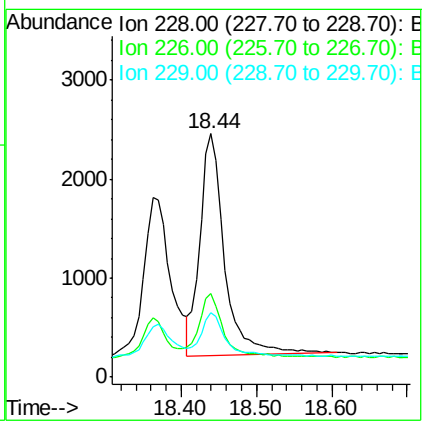


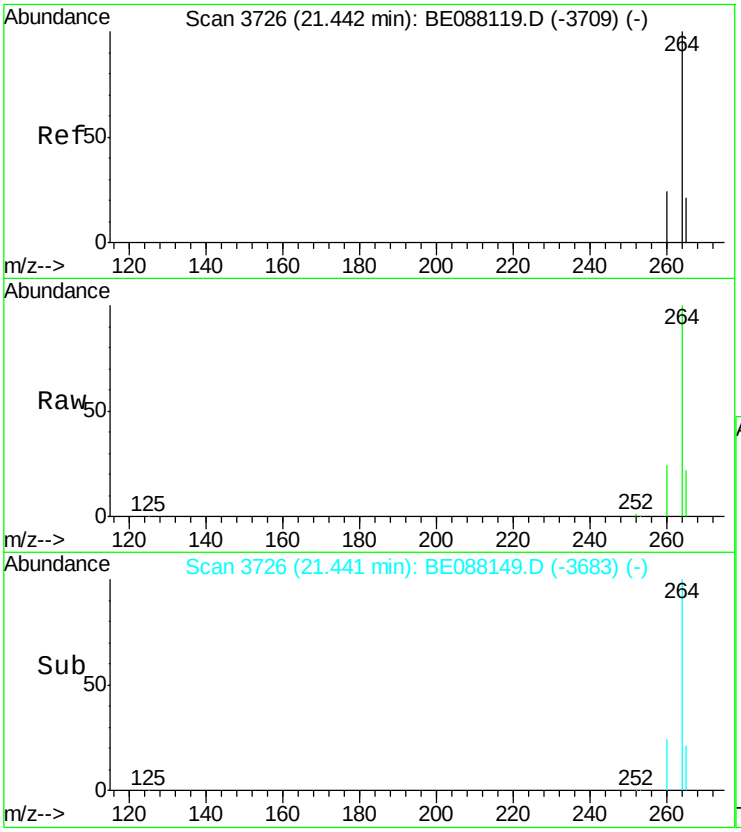


#20
Chrysene
Concen: 0.08 ng
RT: 18.44 min Scan# 3169
Delta R.T. 0.00 min
Lab File: BE088149.D
Acq: 21 Oct 2014 19:05

Tgt Ion:228 Resp: 5066

Ion	Ratio	Lower	Upper
228	100		
226	34.3	22.7	34.1#
229	26.3	15.8	23.6#



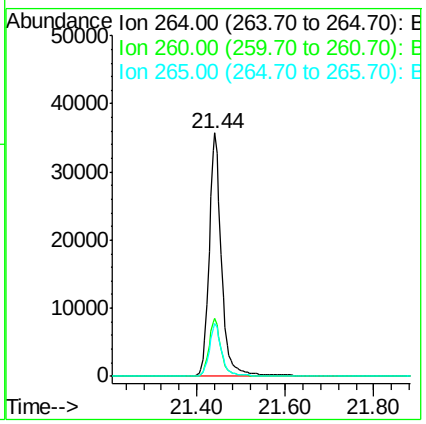


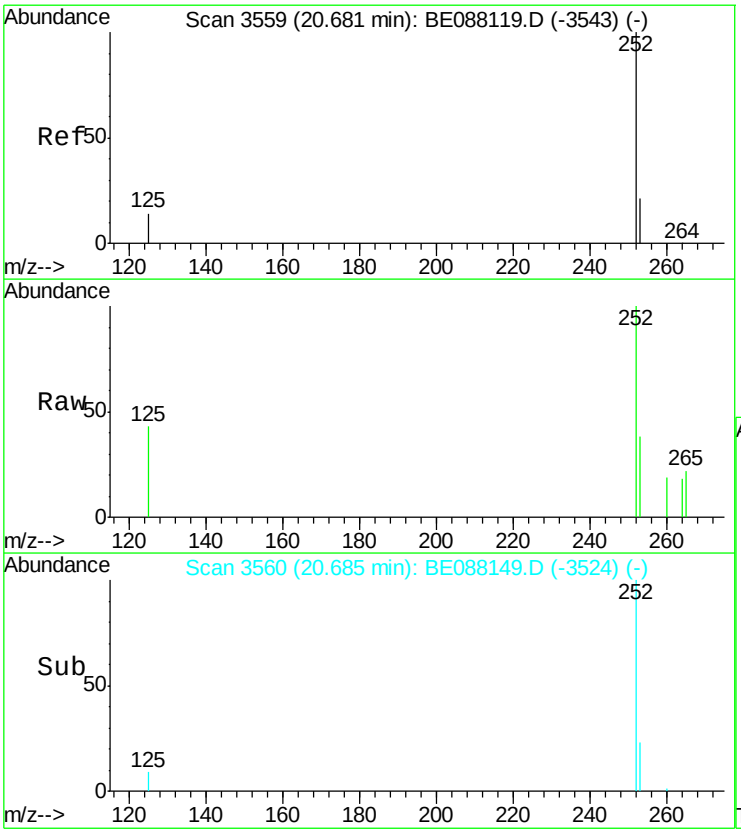
#22
Perylene-d12
Concen: 5.00 ng
RT: 21.44 min Scan# 3726
Delta R.T. -0.00 min
Lab File: BE088149.D
Acq: 21 Oct 2014 19:05

Instrument :
BNA_E
ClientSampleId :
YS19-SW07-1014

Tgt Ion:264 Resp: 68836

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	21.6	17.2	25.8

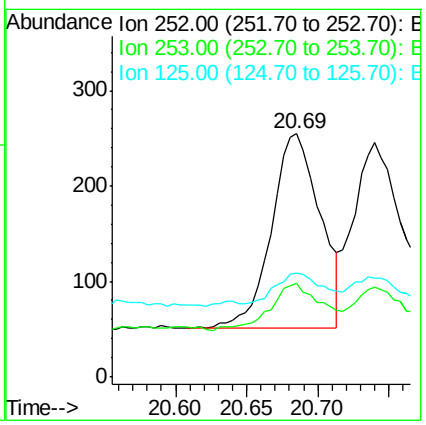


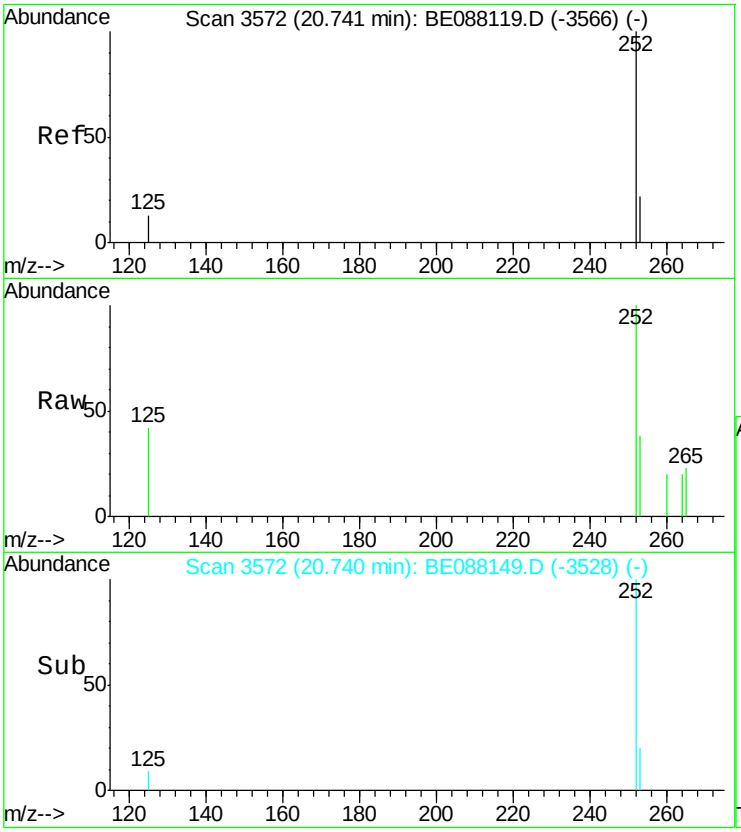


#23
Benzo(b)fluoranthene
Concen: 0.03 ng
RT: 20.69 min Scan# 3560
Delta R.T. 0.00 min
Lab File: BE088149.D
Acq: 21 Oct 2014 19:05

Tgt Ion:252 Resp: 482

Ion	Ratio	Lower	Upper
252	100		
253	38.4	17.4	26.0#
125	42.7	11.8	17.8#





#24
Benzo(k)fluoranthene
Concen: 0.03 ng
RT: 20.74 min Scan# 3572
Delta R.T. -0.00 min
Lab File: BE088149.D
Acq: 21 Oct 2014 19:05

Instrument :
BNA_E
ClientSampleId :
YS19-SW07-1014

Tgt Ion:252 Resp: 519

Ion	Ratio	Lower	Upper
252	100		
253	38.4	17.6	26.4#
125	42.4	11.5	17.3#