Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE102014\
Data File : BE088136.D
Acq On : 21 Oct 2014 11:19
Operator : TP/JJ
Sample : F4322-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : YS19-EB01-101514-SO

Quant Time: Oct 21 15:09:34 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	37728	5.00	ng		0.00
3) Naphthalene-d8	8.70	136	140103	5.00	ng		0.00
7) Acenaphthene-d10	10.85	164	62378	5.00	ng		0.00
12) Phenanthrene-d10	12.96	188	112417	5.00	ng		0.00
16) Chrysene-d12	18.38	240	77127	5.00	ng		0.00
22) Perylene-d12	21.44	264	72952	5.00	ng		0.00
System Monitoring Compounds							
4) Nitrobenzene-d5	7.82	82	57279	5.67	ng		0.00
8) 2-Fluorobiphenyl	10.04	172	103216	5.99	ng		0.00
18) Terphenyl-d14	16.15	244	113486	9.14	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.02	88	10553	1.94	ng	#	1
11) Fluorene	11.88	166	1493	0.10	ng	#	81
13) Phenanthrene	13.01	178	3279	Below Cal		#	73
15) Fluoranthene	15.25	202	1050	0.05	ng		95
17) Pyrene	15.70	202	1091	0.05	ng		99
19) Benzo(a)anthracene	18.36	228	3584	0.05	ng	#	82
20) Chrysene	18.43	228	3745	0.06	ng	#	87
23) Benzo(b)fluoranthene	20.68	252	358	0.02	ng	#	56
24) Benzo(k)fluoranthene	20.74	252	380	0.02	ng	#	53

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE102014\
Data File : BE088136.D
Acq On : 21 Oct 2014 11:19
Operator : TP/JJ
Sample : F4322-17
Misc :
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Quant Time: Oct 21 15:09:34 2014
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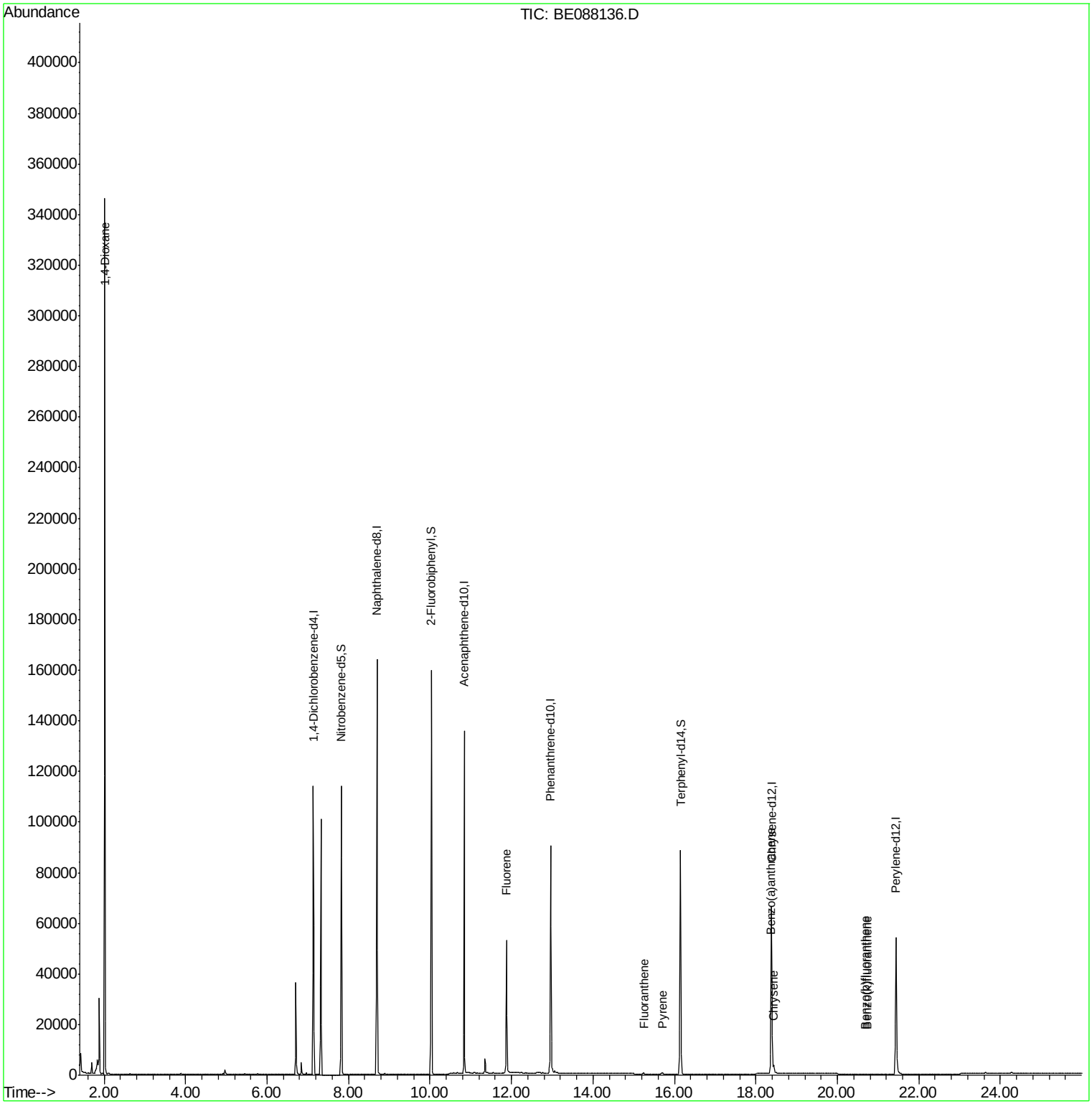
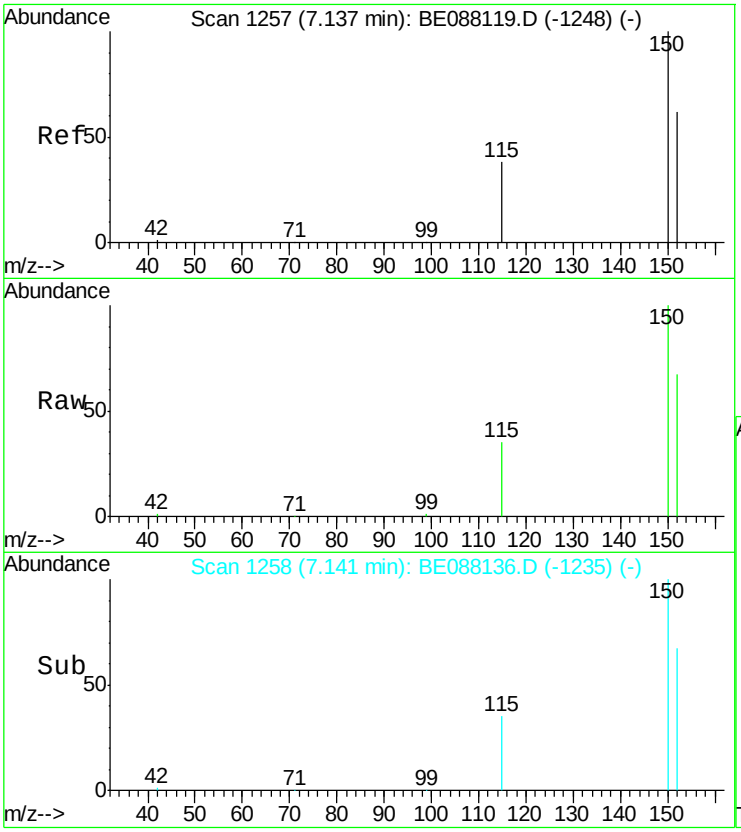
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 21 02:11:14 2014
Response via : Initial Calibration



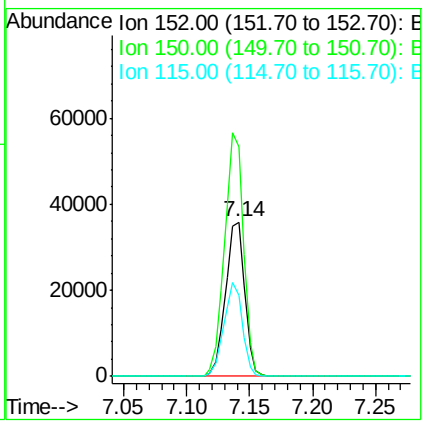


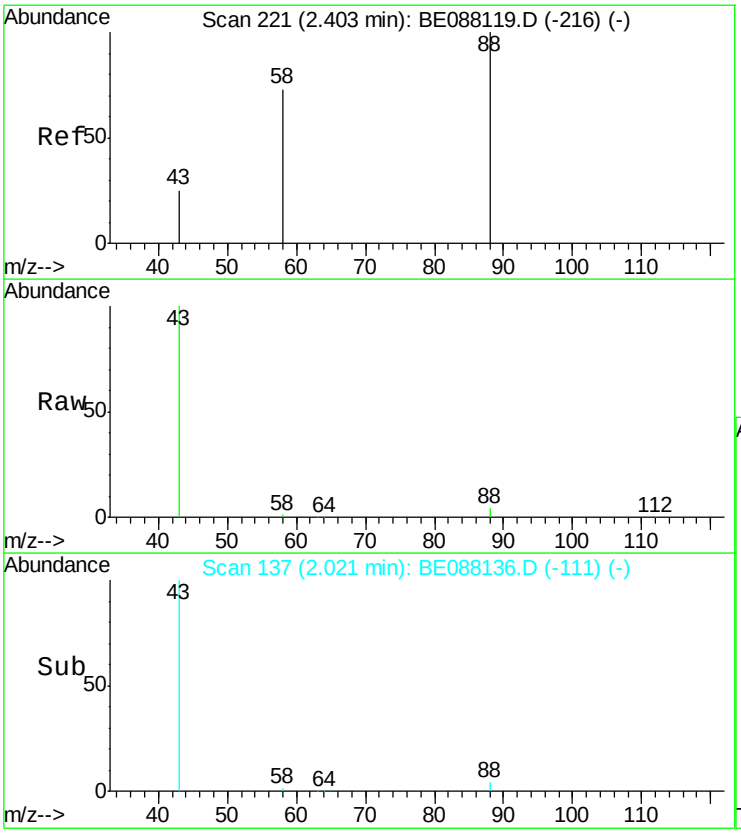
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.14 min Scan# 1258
Delta R.T. 0.00 min
Lab File: BE088136.D
Acq: 21 Oct 2014 11:19

Instrument :
BNA_E
ClientSampleId :
YS19-EB01-101514-SO

Tgt Ion:152 Resp: 37728

Ion	Ratio	Lower	Upper
152	100		
150	148.7	129.2	193.8
115	52.4	49.3	73.9

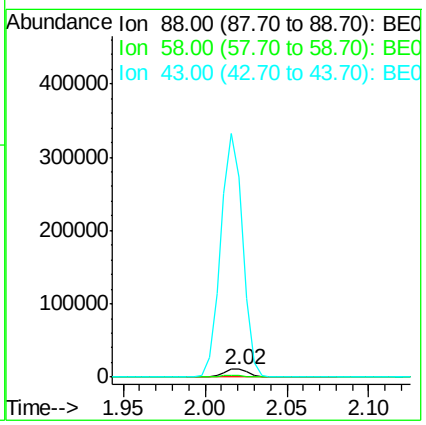


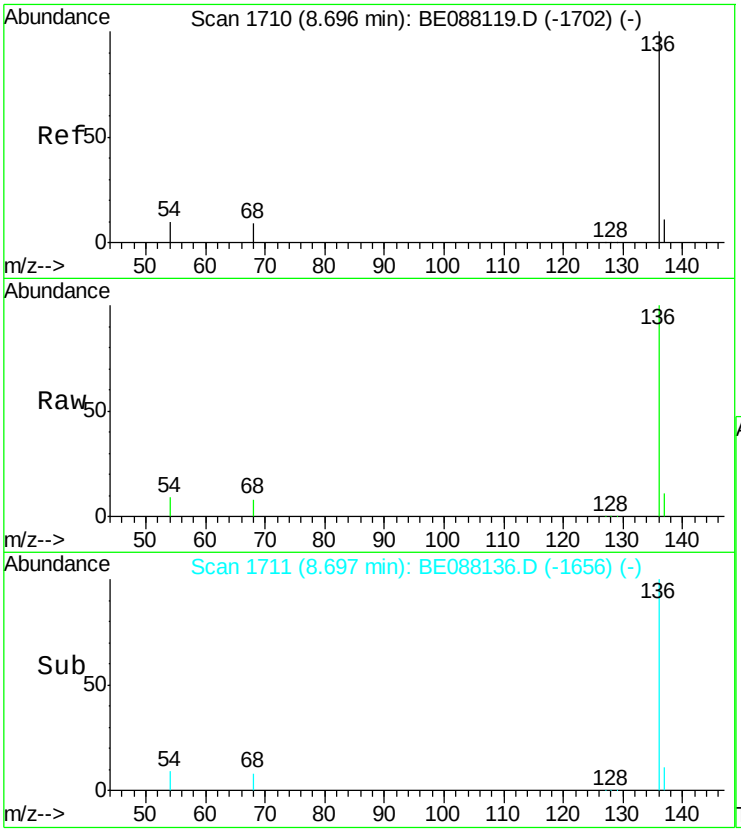


#2
1,4-Dioxane
Concen: 1.94 ng
RT: 2.02 min Scan# 137
Delta R.T. -0.38 min
Lab File: BE088136.D
Acq: 21 Oct 2014 11:19

Tgt Ion: 88 Resp: 10553

Ion	Ratio	Lower	Upper
88	100		
58	26.9	59.5	89.3#
43	2921.0	21.2	31.8#



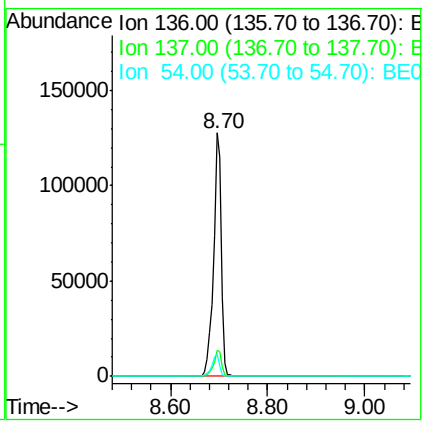


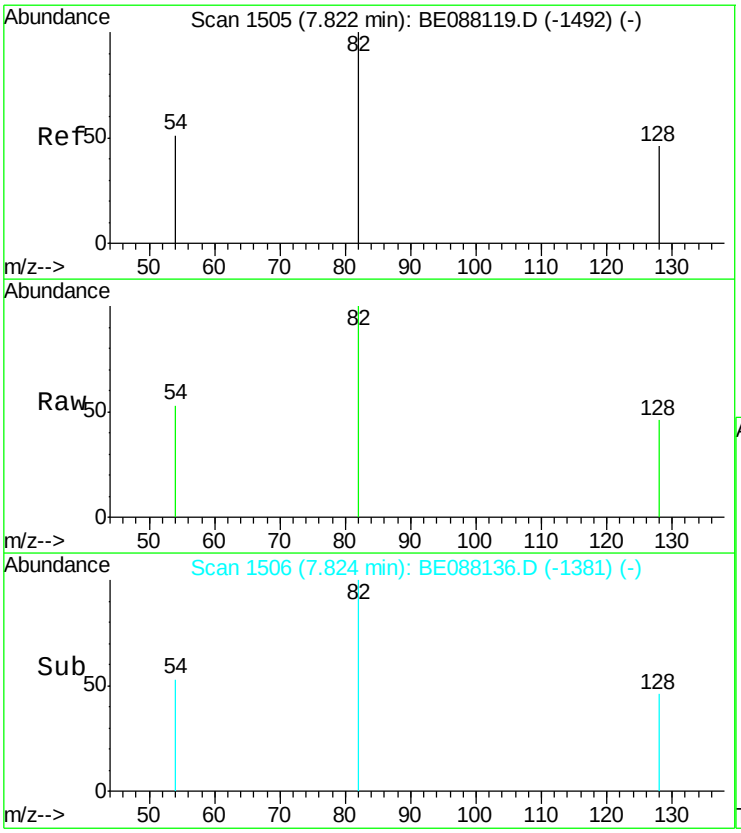
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.70 min Scan# 1711
Delta R.T. 0.00 min
Lab File: BE088136.D
Acq: 21 Oct 2014 11:19

Instrument :
BNA_E
ClientSampleId :
YS19-EB01-101514-SO

Tgt Ion:136 Resp: 140103

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	9.2	7.7	11.5

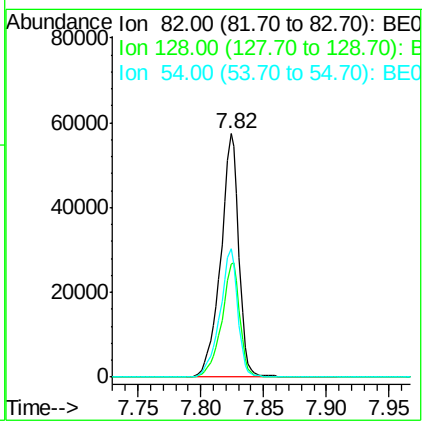


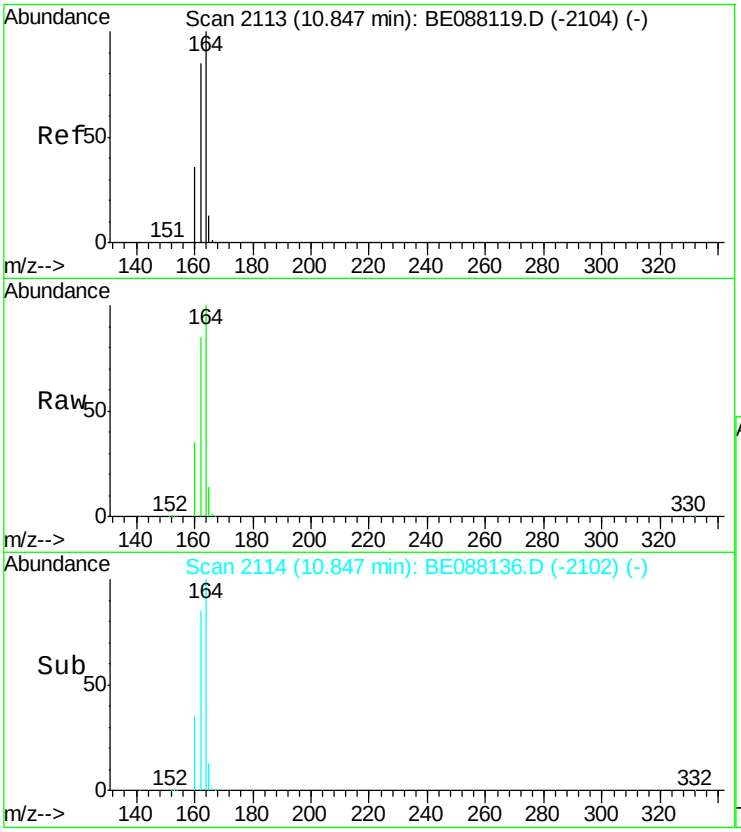


#4
Nitrobenzene-d5
Concen: 5.67 ng
RT: 7.82 min Scan# 1506
Delta R.T. 0.00 min
Lab File: BE088136.D
Acq: 21 Oct 2014 11:19

Tgt Ion: 82 Resp: 57279

Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.1	55.7
54	52.7	41.1	61.7



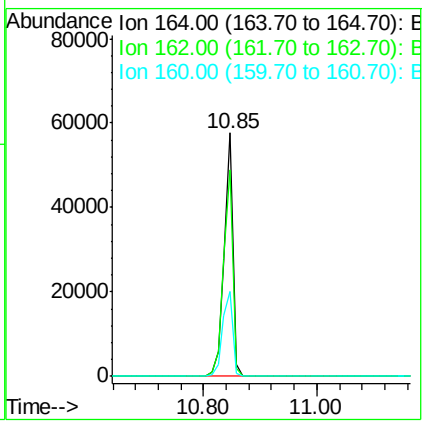


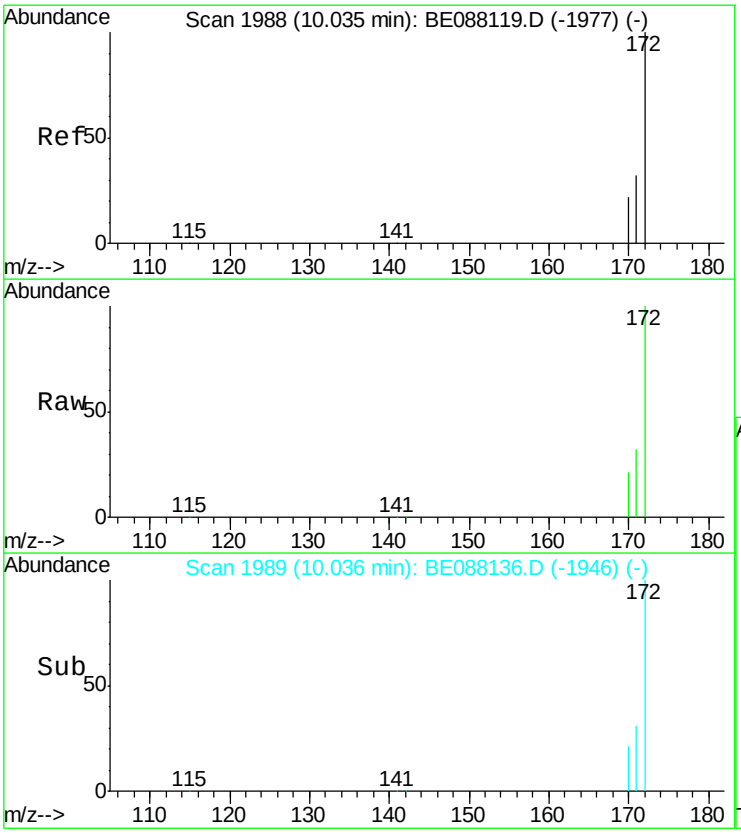
#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.85 min Scan# 2114
Delta R.T. 0.00 min
Lab File: BE088136.D
Acq: 21 Oct 2014 11:19

Instrument :
BNA_E
ClientSampleId :
YS19-EB01-101514-SO

Tgt Ion:164 Resp: 62378

Ion	Ratio	Lower	Upper
164	100		
162	84.6	68.3	102.5
160	35.1	28.7	43.1

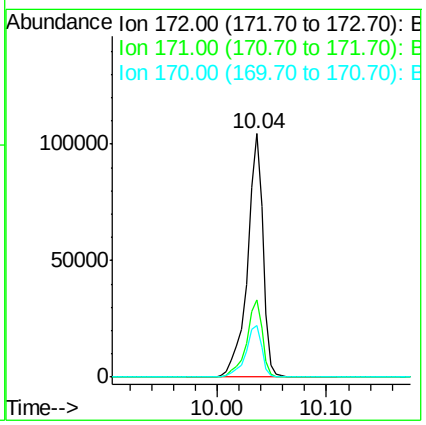


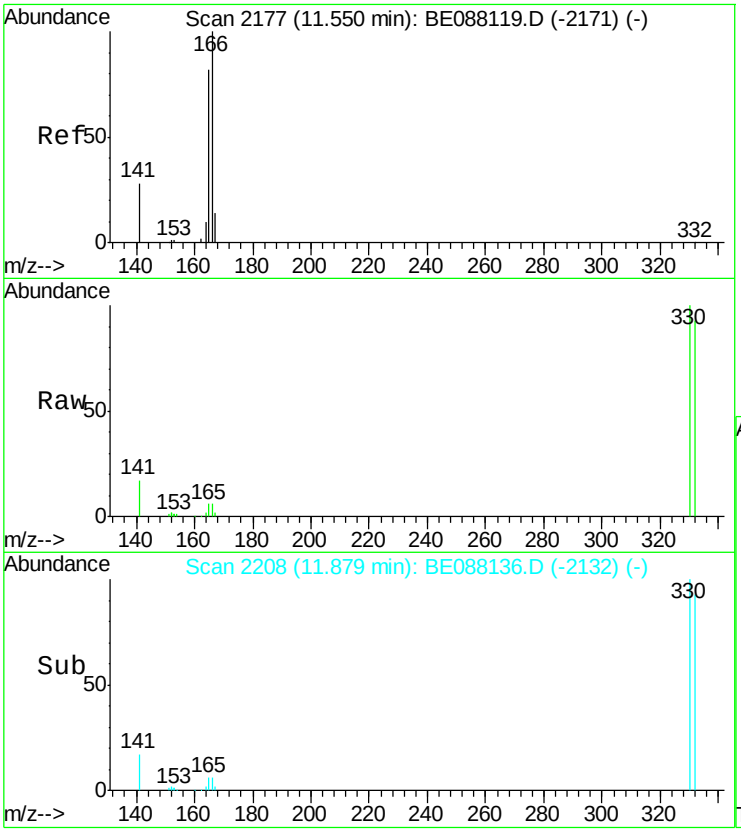


#8
2-Fluorobiphenyl
Concen: 5.99 ng
RT: 10.04 min Scan# 1989
Delta R.T. 0.00 min
Lab File: BE088136.D
Acq: 21 Oct 2014 11:19

Tgt Ion:172 Resp: 103216

Ion	Ratio	Lower	Upper
172	100		
171	31.5	25.4	38.2
170	21.1	17.4	26.2



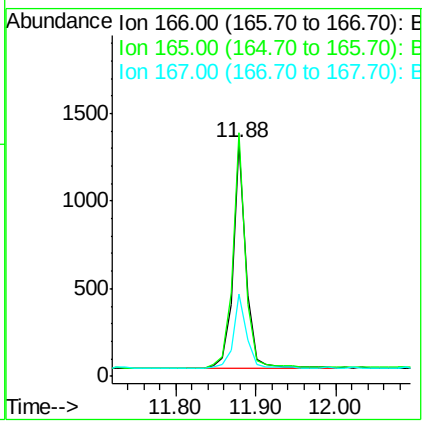


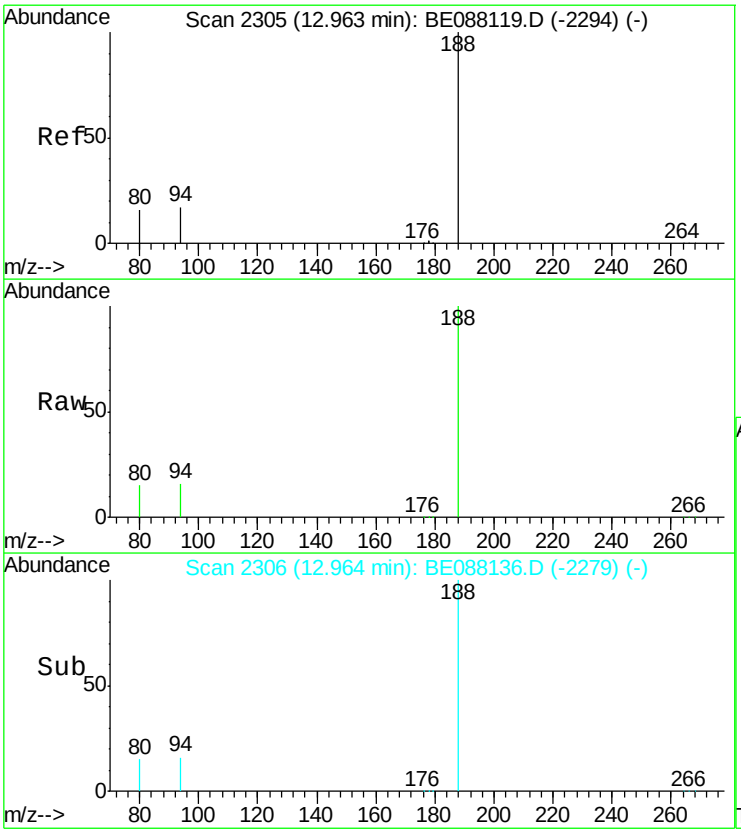
#11
Fluorene
Concen: 0.10 ng
RT: 11.88 min Scan# 2208
Delta R.T. 0.33 min
Lab File: BE088136.D
Acq: 21 Oct 2014 11:19

Instrument :
BNA_E
ClientSampleId :
YS19-EB01-101514-SO

Tgt Ion:166 Resp: 1493

Ion	Ratio	Lower	Upper
166	100		
165	103.1	71.4	107.2
167	33.3	10.6	16.0#

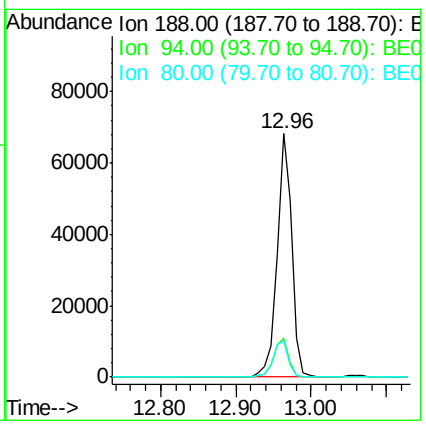


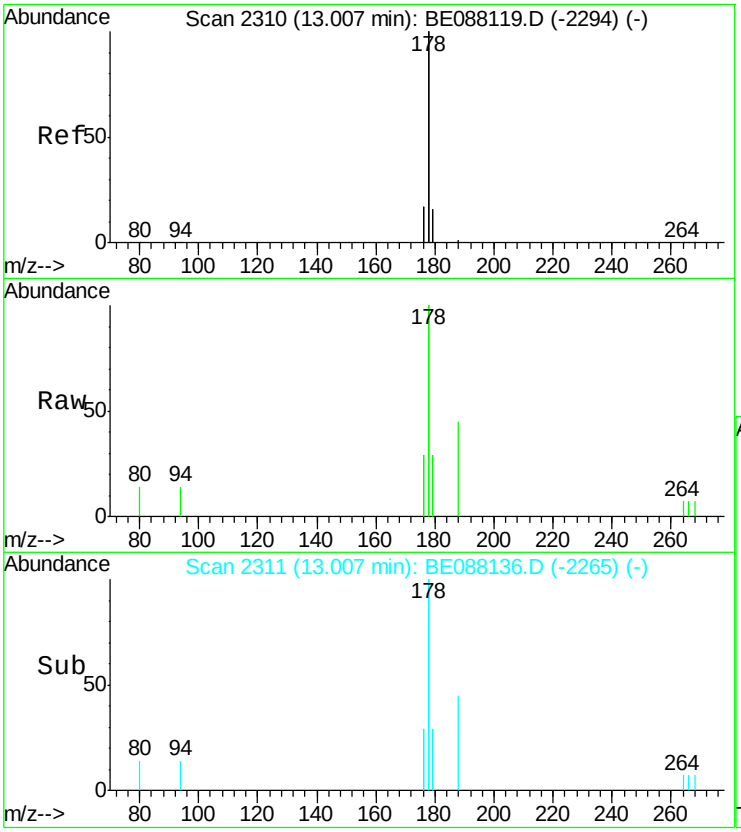


#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.96 min Scan# 2306
Delta R.T. 0.00 min
Lab File: BE088136.D
Acq: 21 Oct 2014 11:19

Tgt Ion:188 Resp: 112417

Ion	Ratio	Lower	Upper
188	100		
94	16.0	13.9	20.9
80	14.9	12.9	19.3



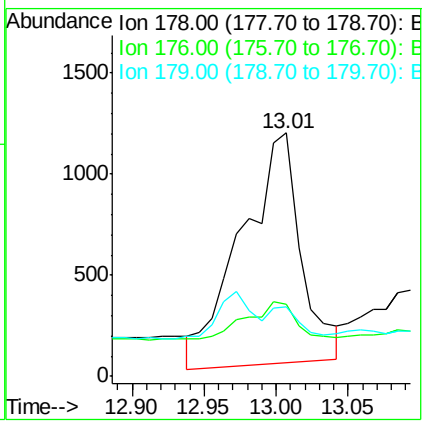


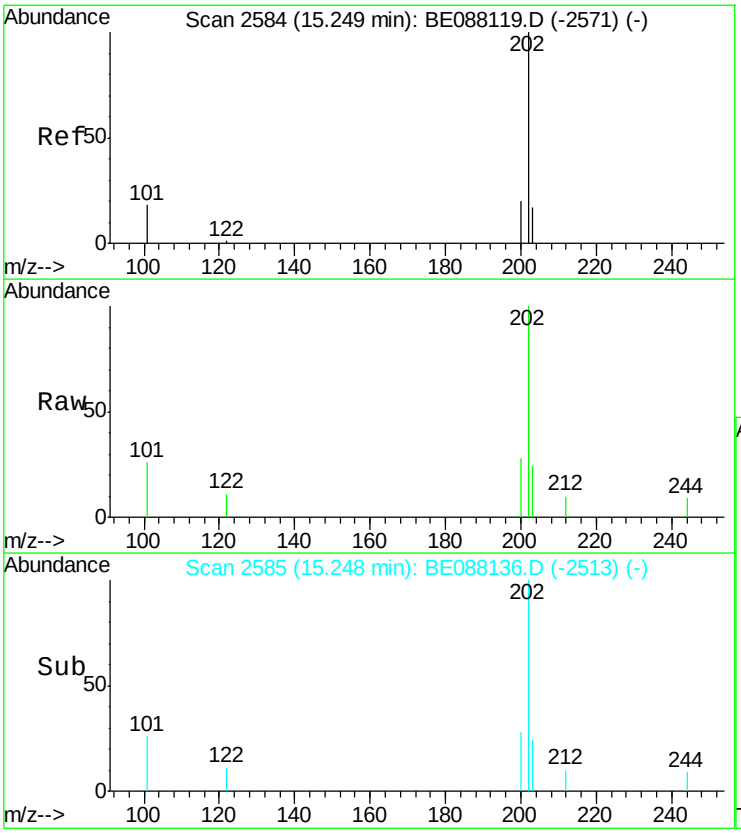
#13
Phenanthrene
Concen: Below Cal
RT: 13.01 min Scan# 2311
Delta R.T. 0.00 min
Lab File: BE088136.D
Acq: 21 Oct 2014 11:19

Instrument :
BNA_E
ClientSampleId :
YS19-EB01-101514-SO

Tgt Ion:178 Resp: 3279

Ion	Ratio	Lower	Upper
178	100		
176	21.3	12.5	18.7#
179	0.0	13.5	20.3#

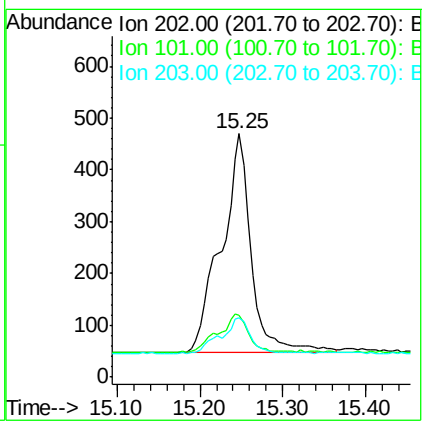


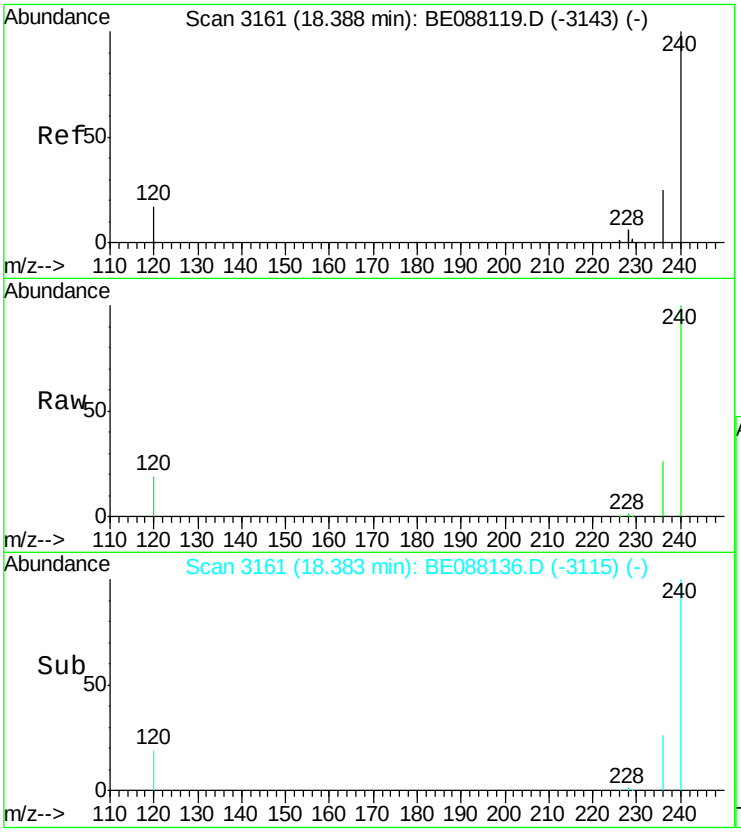


#15
Fluoranthene
Concen: 0.05 ng
RT: 15.25 min Scan# 2585
Delta R.T. -0.00 min
Lab File: BE088136.D
Acq: 21 Oct 2014 11:19

Tgt Ion:202 Resp: 1050

Ion	Ratio	Lower	Upper
202	100		
101	16.3	14.8	22.2
203	14.8	13.5	20.3



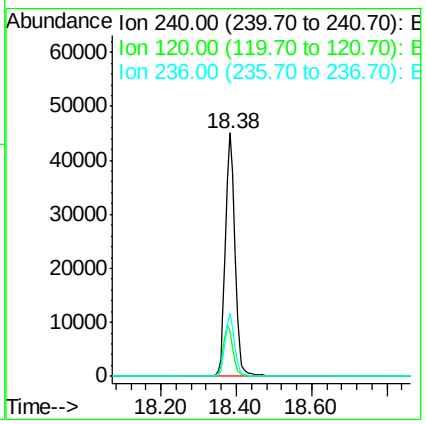


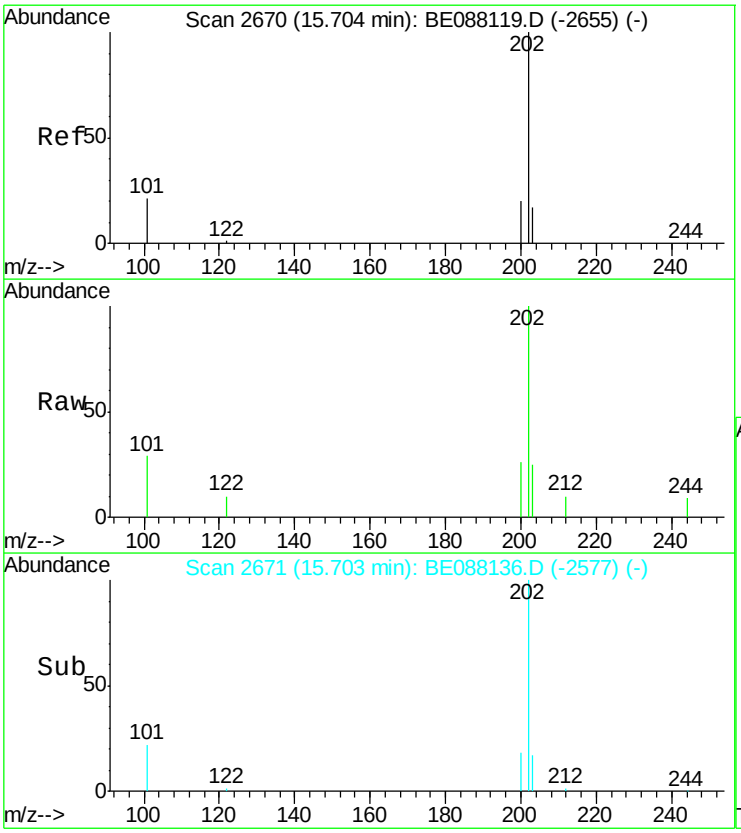
#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.38 min Scan# 3161
Delta R.T. -0.00 min
Lab File: BE088136.D
Acq: 21 Oct 2014 11:19

Instrument :
BNA_E
ClientSampleId :
YS19-EB01-101514-SO

Tgt Ion:240 Resp: 77127

Ion	Ratio	Lower	Upper
240	100		
120	18.6	13.9	20.9
236	25.7	19.9	29.9

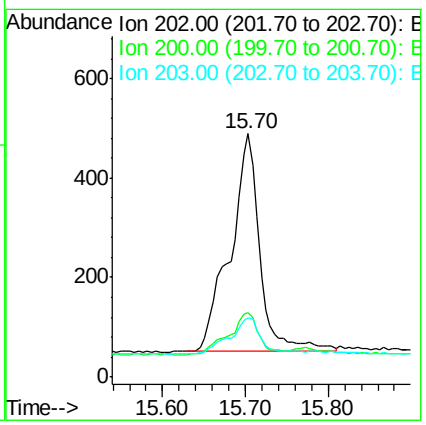


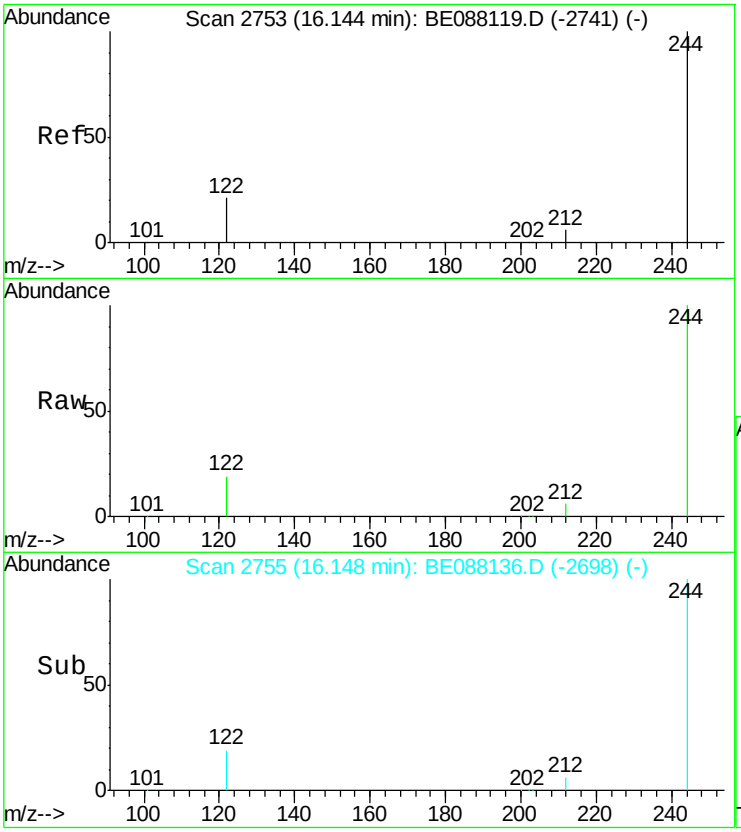


#17
Pyrene
Concen: 0.05 ng
RT: 15.70 min Scan# 2671
Delta R.T. -0.00 min
Lab File: BE088136.D
Acq: 21 Oct 2014 11:19

Tgt Ion:202 Resp: 1091

Ion	Ratio	Lower	Upper
202	100		
200	19.3	16.1	24.1
203	17.6	13.9	20.9



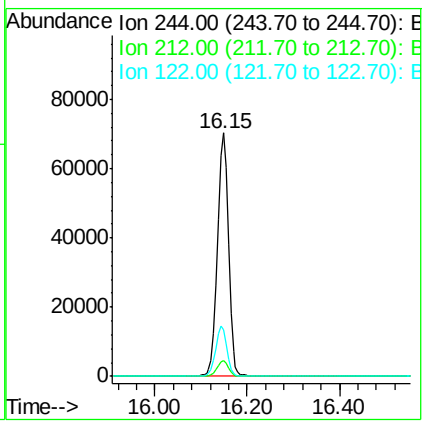


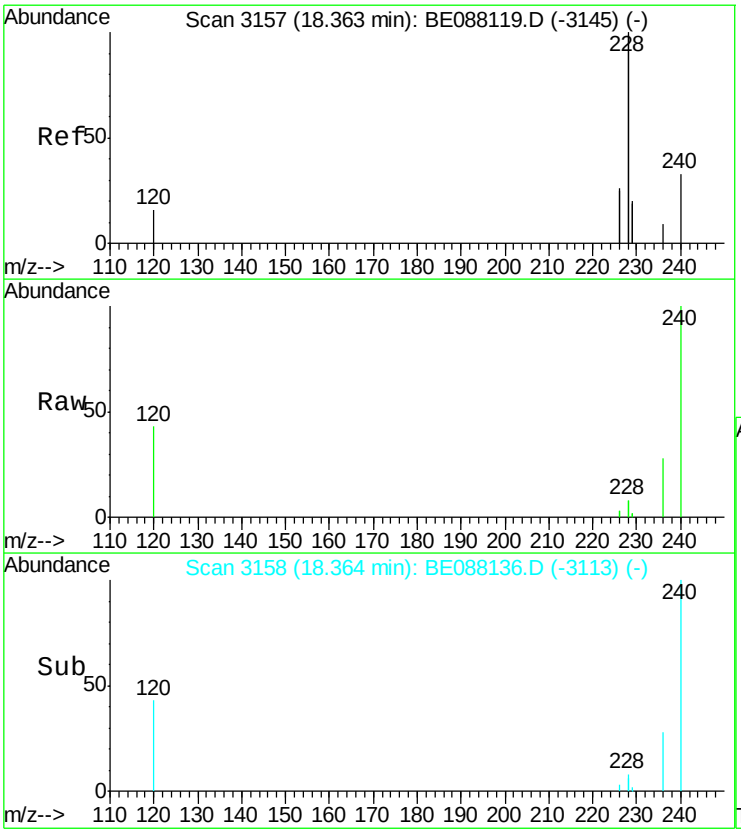
#18
Terphenyl-d14
Concen: 9.14 ng
RT: 16.15 min Scan# 2755
Delta R.T. 0.00 min
Lab File: BE088136.D
Acq: 21 Oct 2014 11:19

Instrument :
BNA_E
ClientSampleId :
YS19-EB01-101514-SO

Tgt Ion:244 Resp: 113486

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	19.3	17.5	26.3

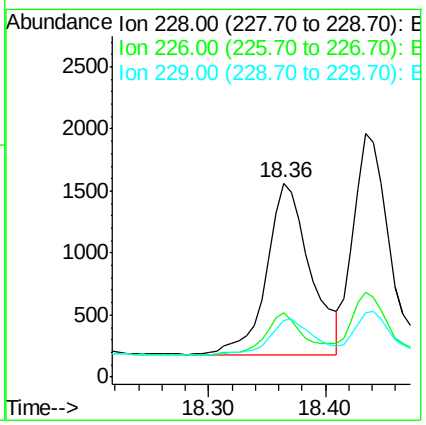


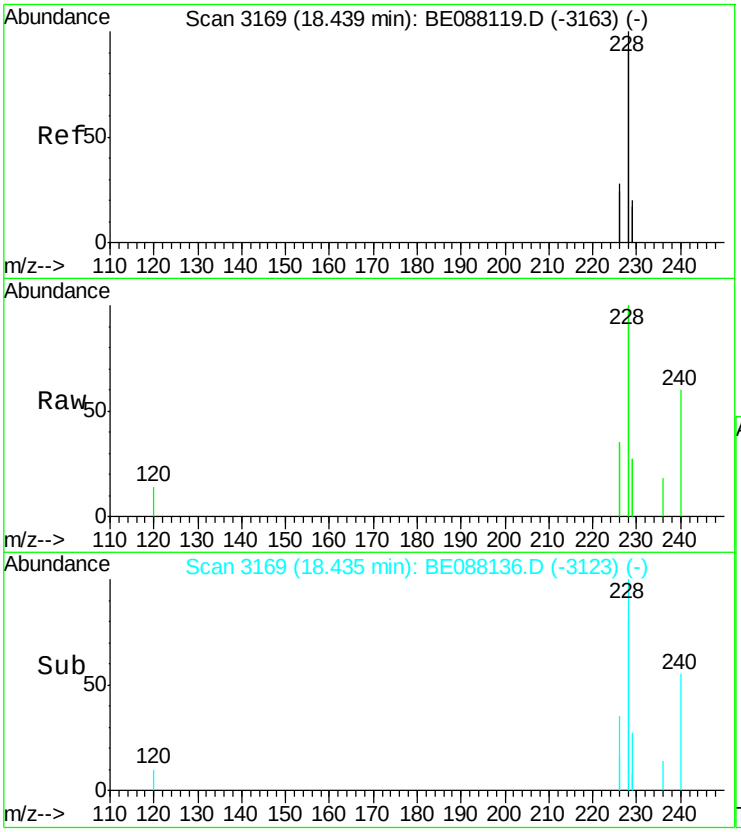


#19
Benzo(a)anthracene
Concen: 0.05 ng
RT: 18.36 min Scan# 3158
Delta R.T. 0.00 min
Lab File: BE088136.D
Acq: 21 Oct 2014 11:19

Tgt Ion:228 Resp: 3584

Ion	Ratio	Lower	Upper
228	100		
226	33.4	20.8	31.2#
229	29.6	15.6	23.4#



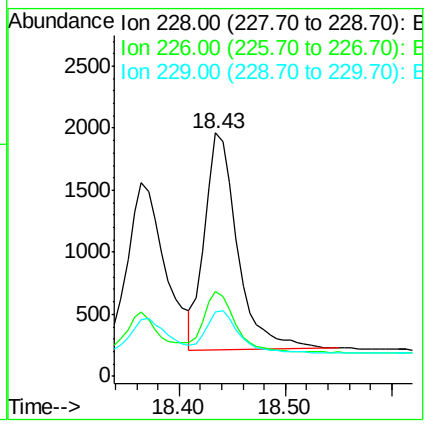


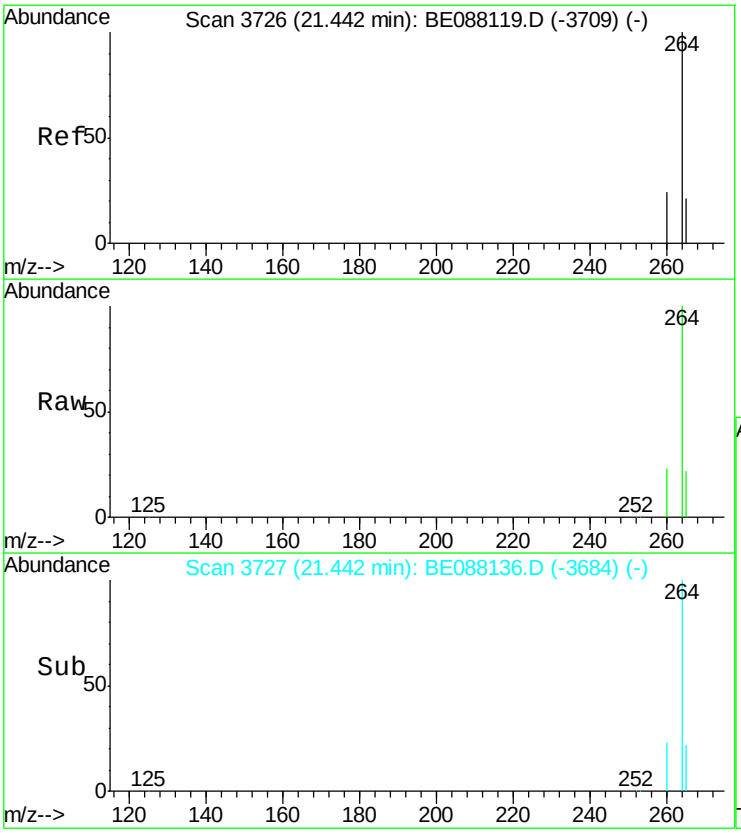
#20
Chrysene
Concen: 0.06 ng
RT: 18.43 min Scan# 3169
Delta R.T. -0.00 min
Lab File: BE088136.D
Acq: 21 Oct 2014 11:19

Instrument :
BNA_E
ClientSampleId :
YS19-EB01-101514-SO

Tgt Ion:228 Resp: 3745

Ion	Ratio	Lower	Upper
228	100		
226	34.7	22.7	34.1#
229	26.7	15.8	23.6#

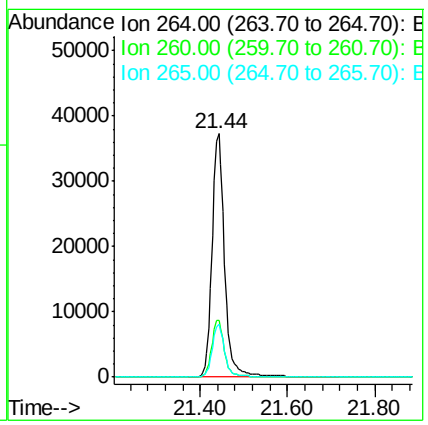


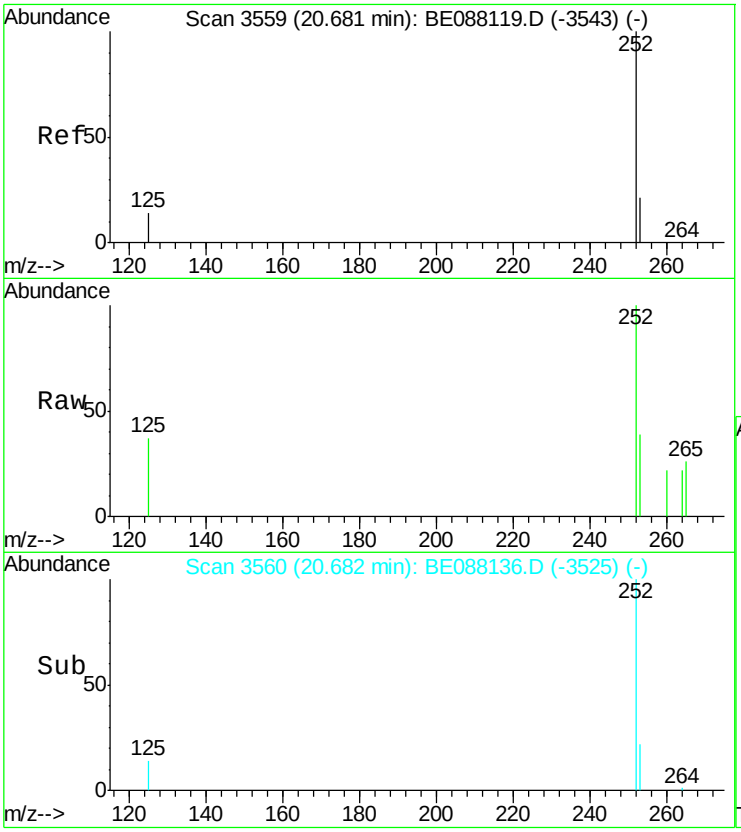


#22
Perylene-d12
Concen: 5.00 ng
RT: 21.44 min Scan# 3727
Delta R.T. 0.00 min
Lab File: BE088136.D
Acq: 21 Oct 2014 11:19

Tgt Ion:264 Resp: 72952

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.4
265	21.6	17.2	25.8



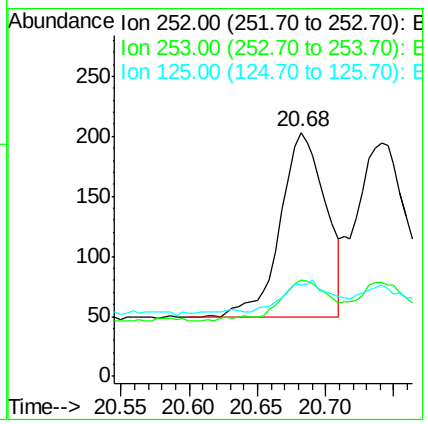


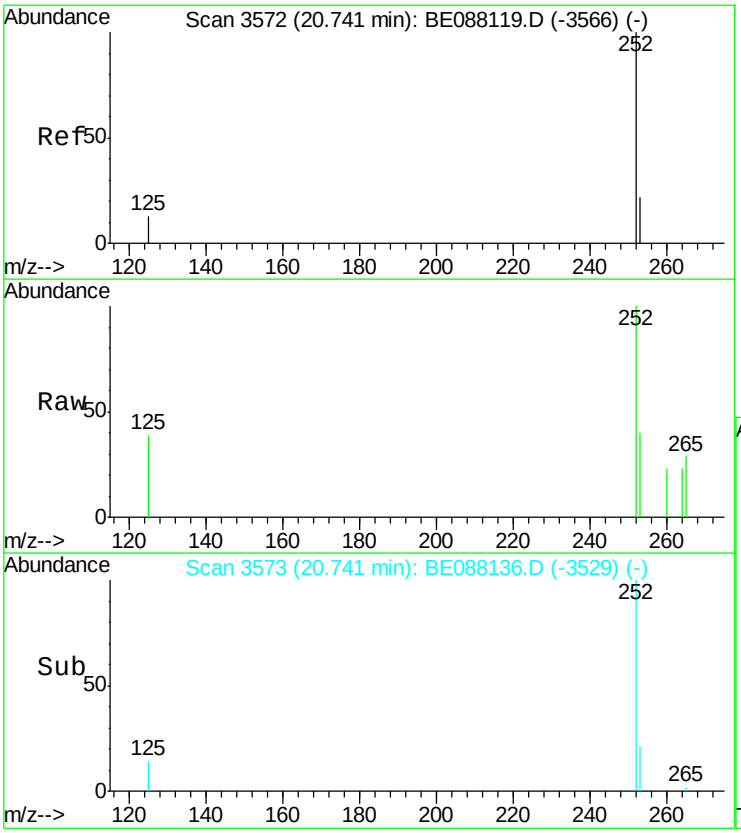
#23
Benzo(b)fluoranthene
Concen: 0.02 ng
RT: 20.68 min Scan# 3560
Delta R.T. 0.00 min
Lab File: BE088136.D
Acq: 21 Oct 2014 11:19

Instrument :
BNA_E
ClientSampleId :
YS19-EB01-101514-SO

Tgt Ion:252 Resp: 358

Ion	Ratio	Lower	Upper
252	100		
253	39.4	17.4	26.0#
125	37.4	11.8	17.8#





#24
Benzo(k)fluoranthene
Concen: 0.02 ng
RT: 20.74 min Scan# 3573
Delta R.T. 0.00 min
Lab File: BE088136.D
Acq: 21 Oct 2014 11:19

Tgt Ion:252 Resp: 380

Ion	Ratio	Lower	Upper
252	100		
253	40.2	17.6	26.4#
125	39.2	11.5	17.3#