Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
Data File : BE088128.D
Acq On : 21 Oct 2014 6:50
Operator : TP/JJ
Sample : F4303-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : YS19-SB08-1014

Manual Integrations APPROVED
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10/22/2014 1:51:52 PM

Quant Time: Oct 21 07:53:39 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	36457	5.00	ng		0.00
3) Naphthalene-d8	8.70	136	129983	5.00	ng		0.00
7) Acenaphthene-d10	10.85	164	59112	5.00	ng		0.00
12) Phenanthrene-d10	12.96	188	106838	5.00	ng		0.00
16) Chrysene-d12	18.38	240	70408	5.00	ng		0.00
22) Perylene-d12	21.44	264	67896	5.00	ng		0.00
System Monitoring Compounds							
4) Nitrobenzene-d5	7.83	82	526807	56.22	ng		0.00
8) 2-Fluorobiphenyl	10.04	172	645185	39.51	ng		0.00
18) Terphenyl-d14	16.16	244	472127	41.67	ng		0.01
Target Compounds							Qvalue
6) 2-Methylnaphthalene	9.58	142	596	0.04	ng	#	96
10) Acenaphthene	10.88	154	1324	0.10	ng	#	69
11) Fluorene	11.54	166	1089	0.07	ng	#	98
13) Phenanthrene	13.00	178	73719	0.74	ng		97
14) Anthracene	13.09	178	14247	0.17	ng	#	90
15) Fluoranthene	15.25	202	21763	1.07	ng		100
17) Pyrene	15.70	202	18604m	0.97	ng		
19) Benzo(a)anthracene	18.36	228	33936	0.54	ng		98
20) Chrysene	18.43	228	34271	0.56	ng		97
21) Indeno(1,2,3-cd)pyrene	23.63	276	18818	0.28	ng	#	83
23) Benzo(b)fluoranthene	20.68	252	9993	0.62	ng		96
24) Benzo(k)fluoranthene	20.74	252	4314m	0.25	ng		
25) Benzo(a)pyrene	21.32	252	7042	0.47	ng		98
27) Benzo(g,h,i)perylene	24.26	276	18852	0.29	ng		96

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
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Misc :
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Instrument :
BNA_E
ClientSampleId :
YS19-SB08-1014

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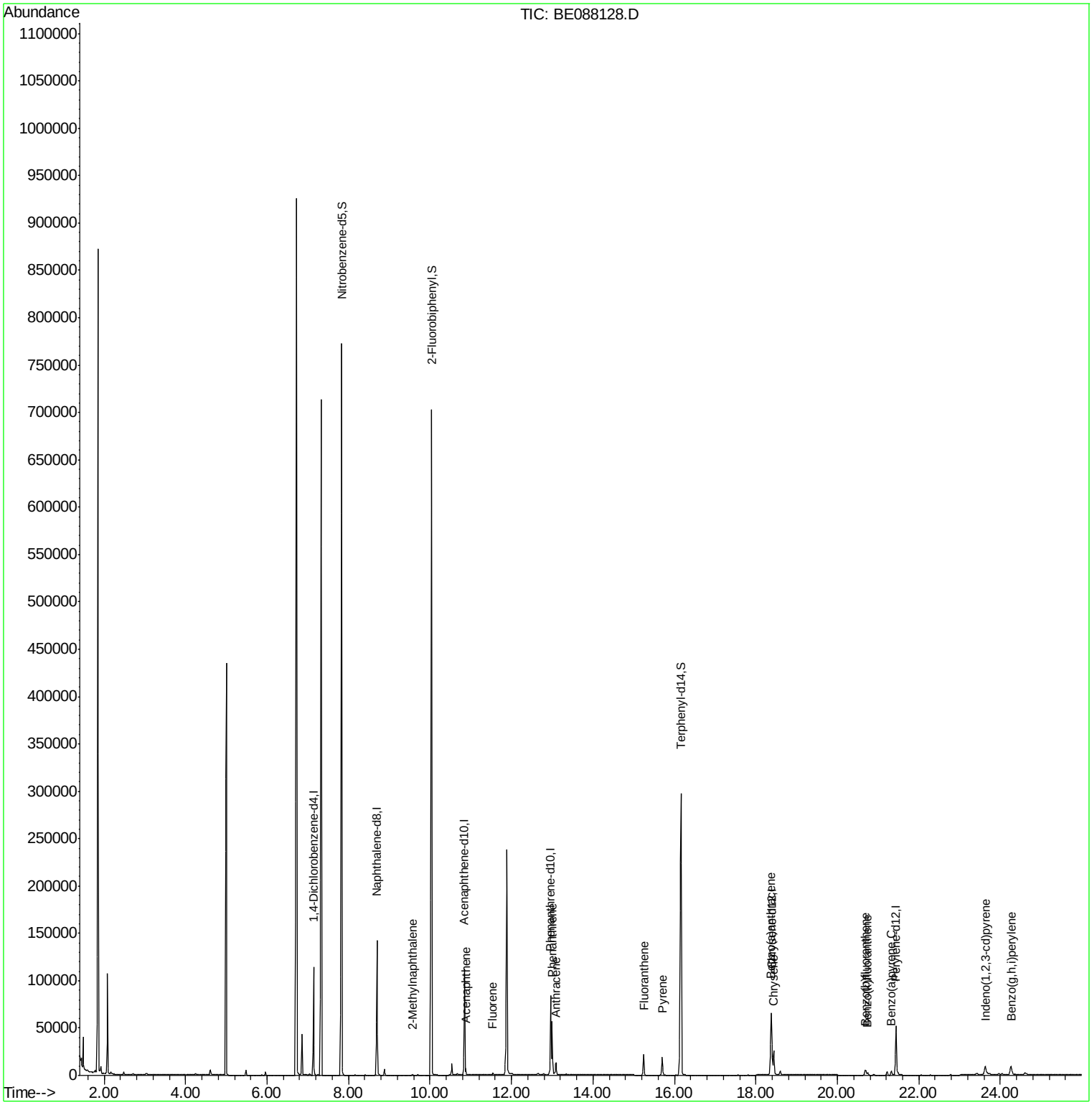
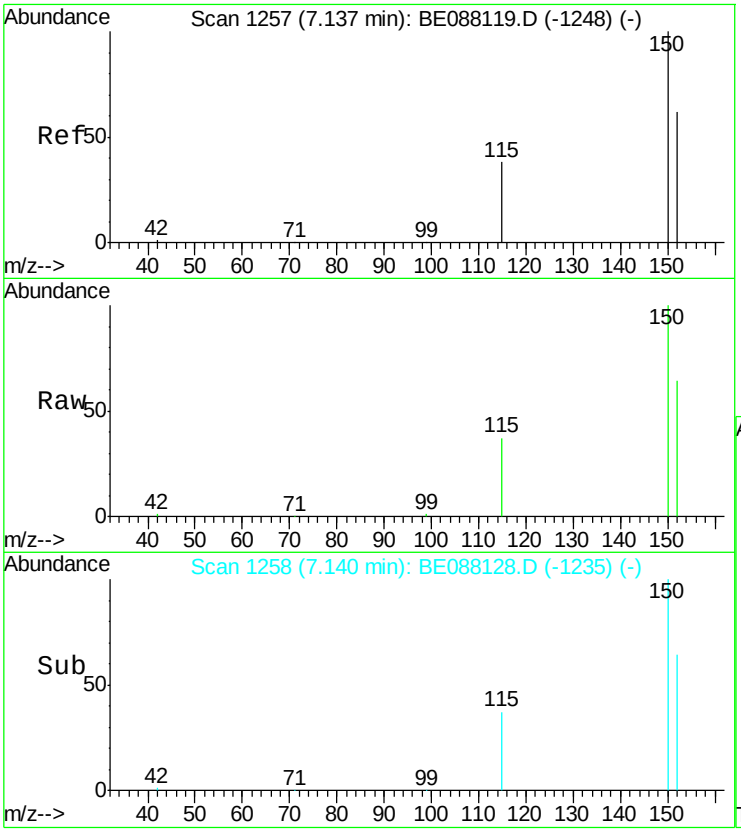
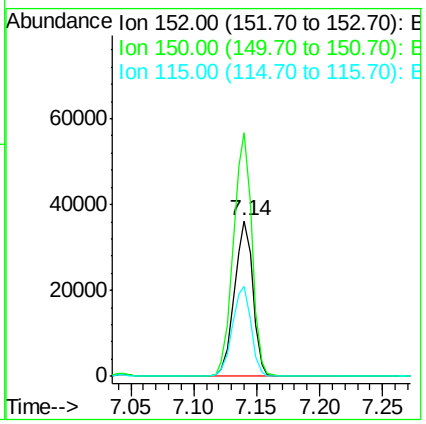




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.14 min Scan# 1258
Delta R.T. 0.00 min
Lab File: BE088128.D
Acq: 21 Oct 2014 6:50

Tgt Ion:152 Resp: 36457

Ion	Ratio	Lower	Upper
152	100		
150	156.7	129.2	193.8
115	57.7	49.3	73.9



Instrument :
BNA_E
ClientSampleId :
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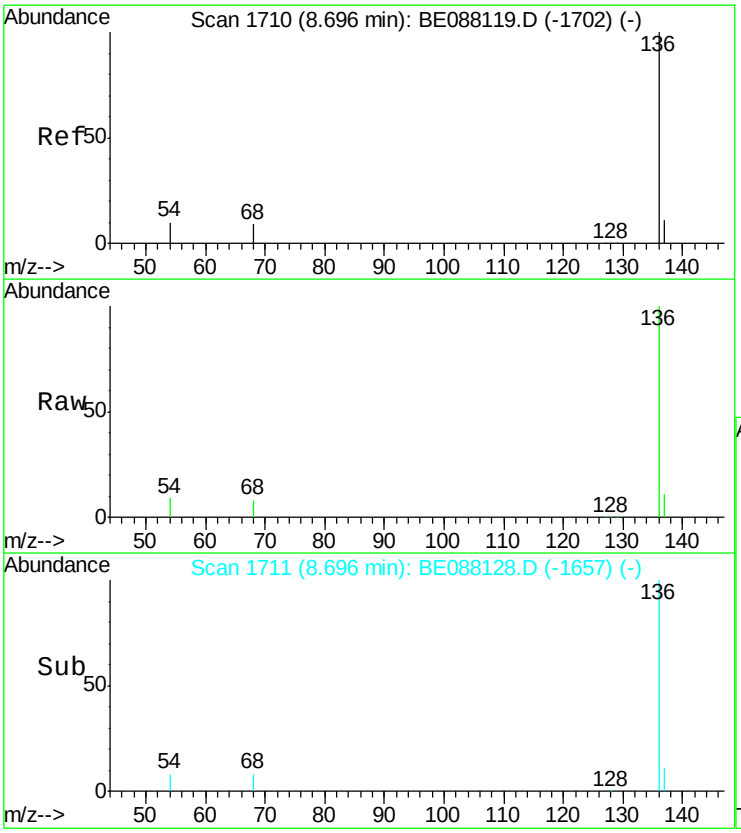
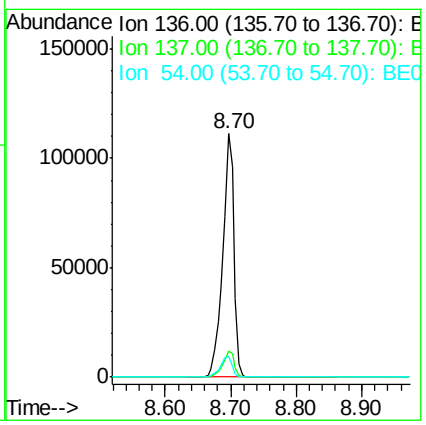
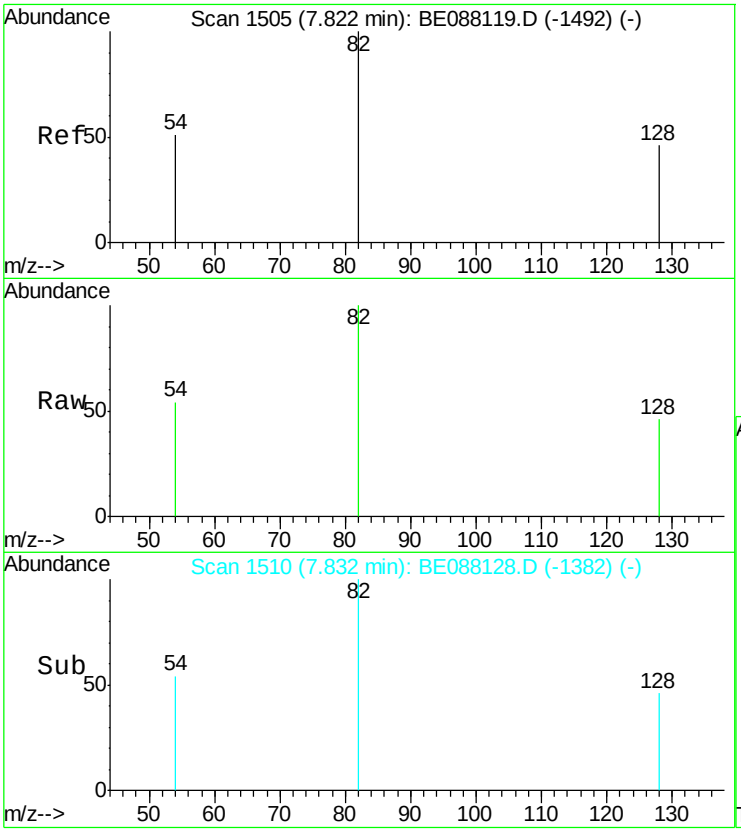


#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.70 min Scan# 1711
Delta R.T. 0.00 min
Lab File: BE088128.D
Acq: 21 Oct 2014 6:50

Tgt Ion:136 Resp: 129983

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	8.7	7.7	11.5

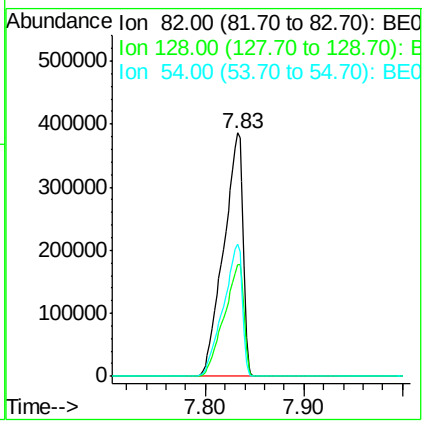




#4
Nitrobenzene-d5
Concen: 56.22 ng
RT: 7.83 min Scan# 1510
Delta R.T. 0.01 min
Lab File: BE088128.D
Acq: 21 Oct 2014 6:50

Tgt Ion: 82 Resp: 526807

Ion	Ratio	Lower	Upper
82	100		
128	45.8	37.1	55.7
54	54.3	41.1	61.7



Instrument :
BNA_E
ClientSampleId :
YS19-SB08-1014

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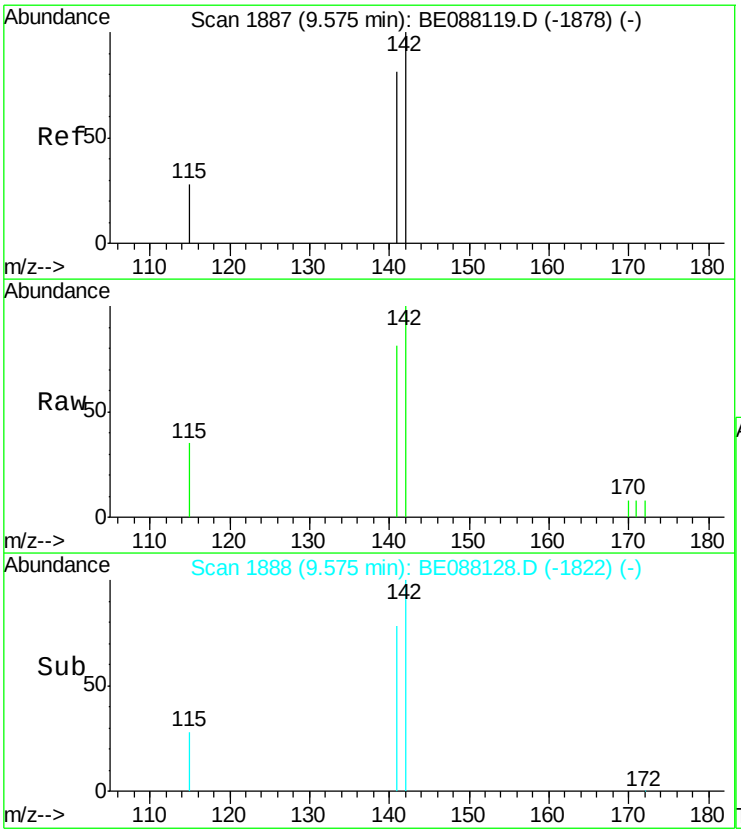
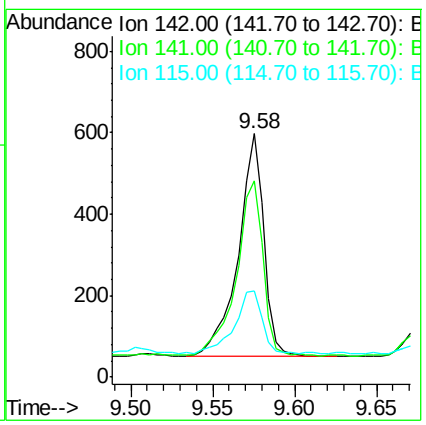
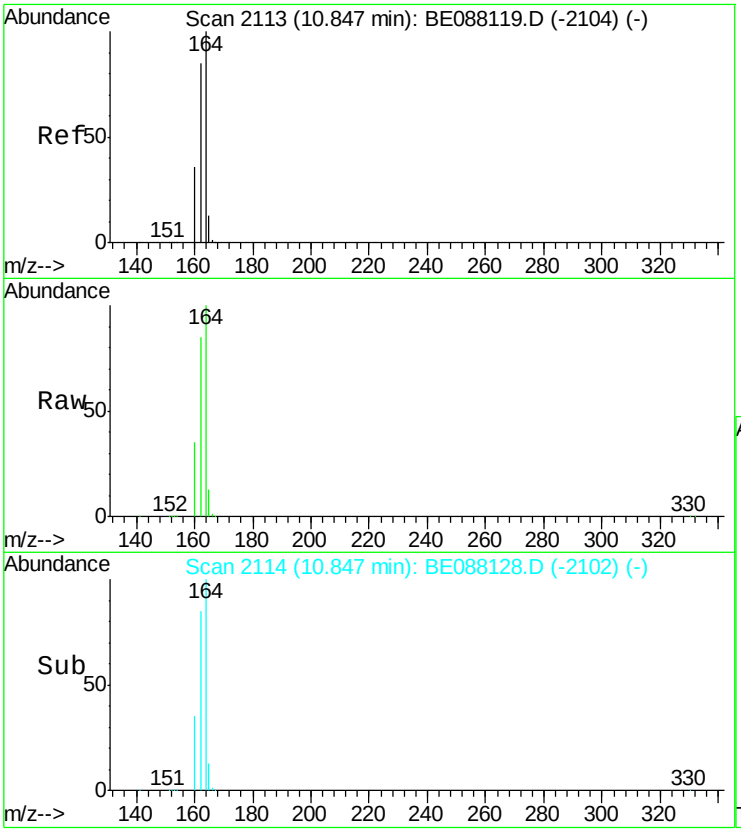


#6
2-Methylnaphthalene
Concen: 0.04 ng
RT: 9.58 min Scan# 1888
Delta R.T. -0.00 min
Lab File: BE088128.D
Acq: 21 Oct 2014 6:50

Tgt Ion:142 Resp: 596

Ion	Ratio	Lower	Upper
142	100		
141	80.8	64.6	97.0
115	35.5	22.6	34.0#

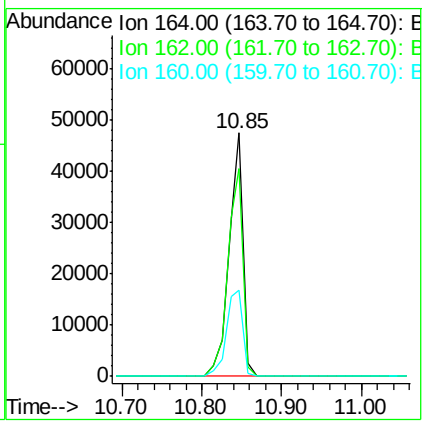




#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.85 min Scan# 2114
Delta R.T. 0.00 min
Lab File: BE088128.D
Acq: 21 Oct 2014 6:50

Tgt Ion:164 Resp: 59112

Ion	Ratio	Lower	Upper
164	100		
162	85.1	68.3	102.5
160	35.4	28.7	43.1



Instrument :
BNA_E
ClientSampleId :
YS19-SB08-1014

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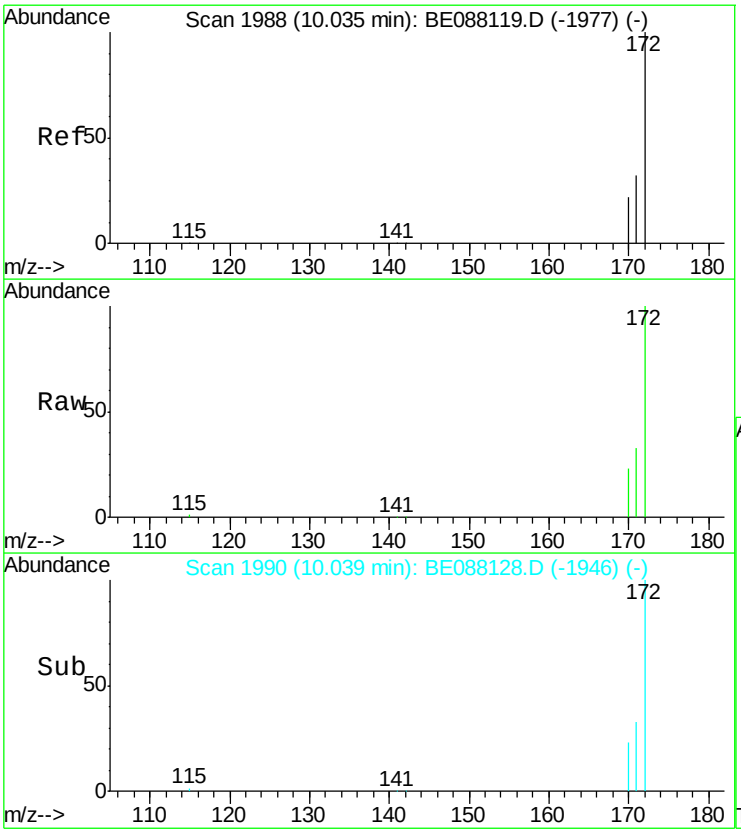
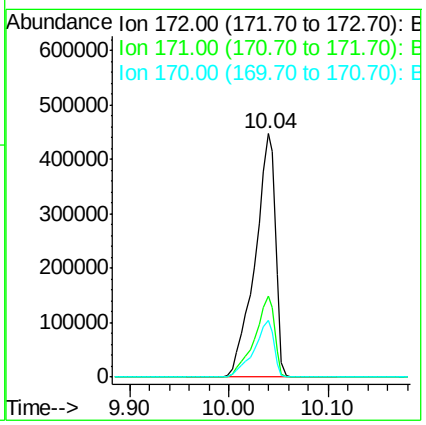
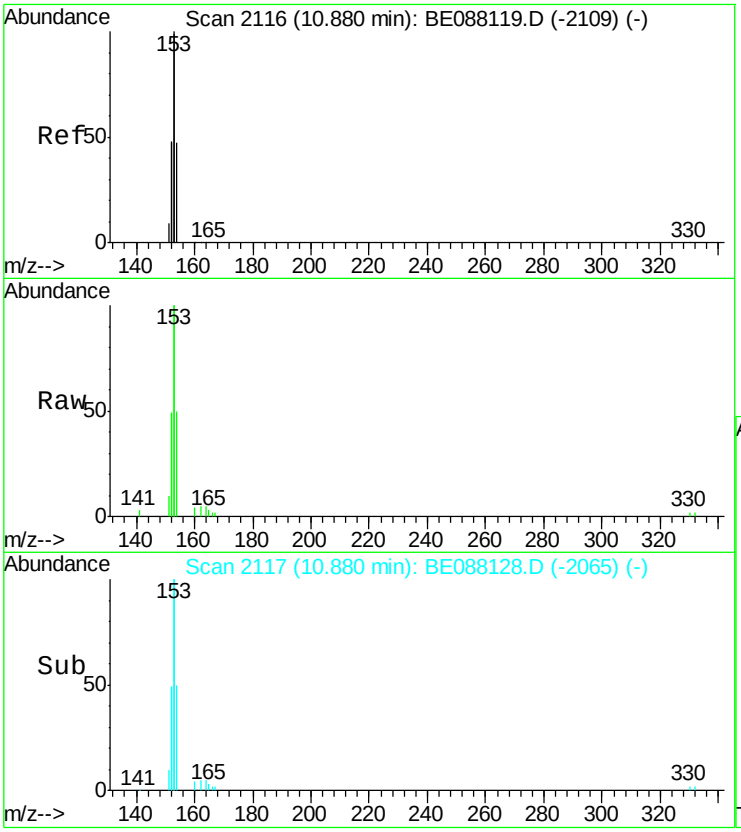


#8
2-Fluorobiphenyl
Concen: 39.51 ng
RT: 10.04 min Scan# 1990
Delta R.T. 0.00 min
Lab File: BE088128.D
Acq: 21 Oct 2014 6:50

Tgt Ion:172 Resp: 645185

Ion	Ratio	Lower	Upper
172	100		
171	33.5	25.4	38.2
170	23.2	17.4	26.2





#10
Acenaphthene
Concen: 0.10 ng
RT: 10.88 min Scan# 2117
Delta R.T. 0.00 min
Lab File: BE088128.D
Acq: 21 Oct 2014 6:50

Tgt Ion:154 Resp: 1324

Ion	Ratio	Lower	Upper
154	100		
153	323.4	327.8	491.6#
152	164.7	157.6	236.4

Instrument :
BNA_E
ClientSampleId :
YS19-SB08-1014

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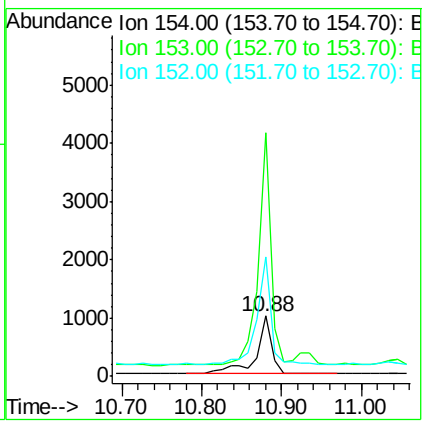
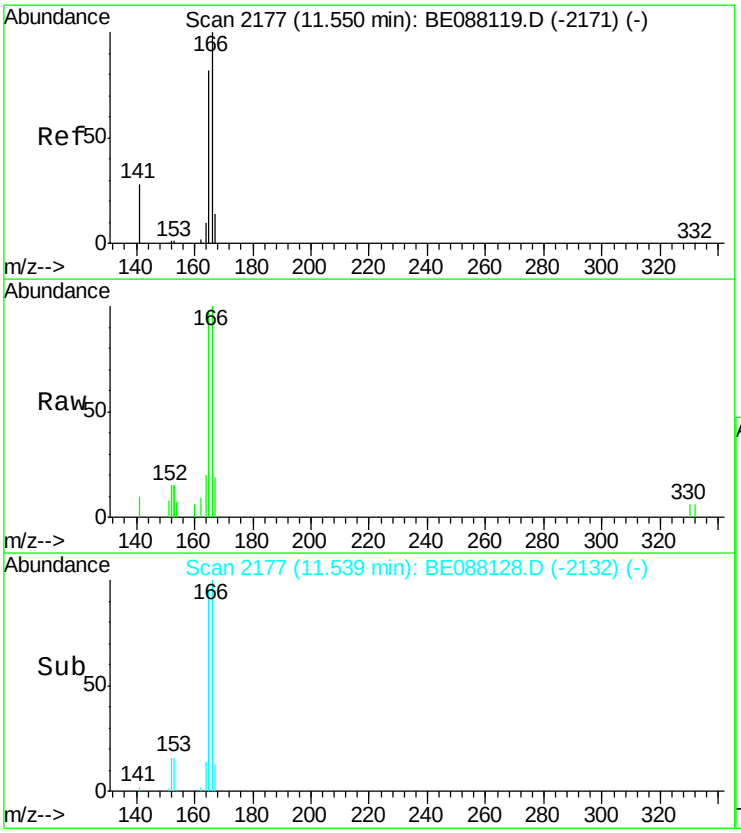
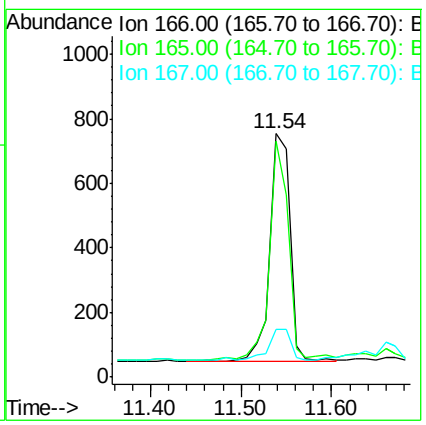


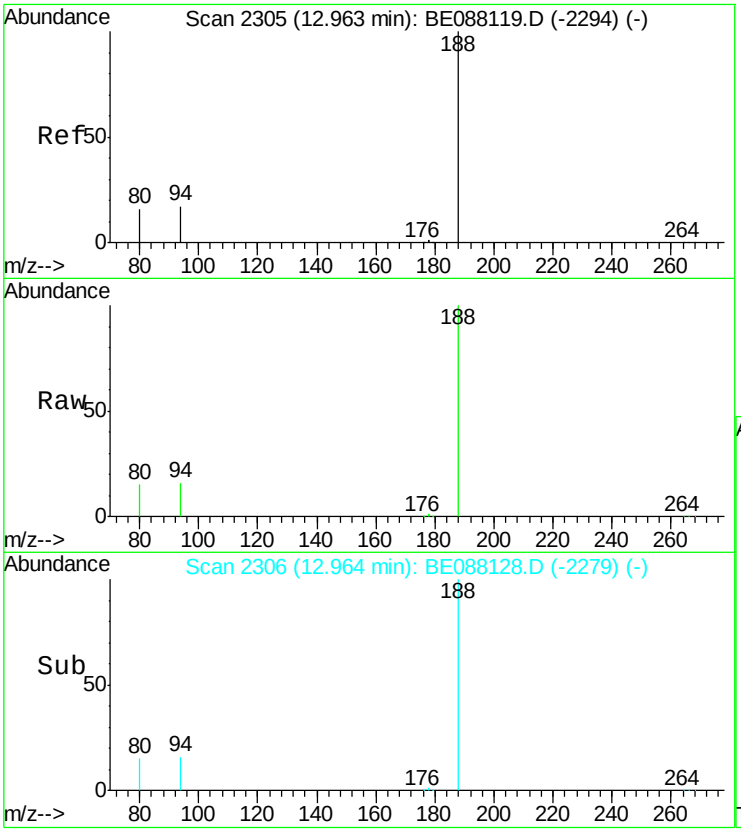


#11
Fluorene
Concen: 0.07 ng
RT: 11.54 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BE088128.D
Acq: 21 Oct 2014 6:50

Tgt Ion:166 Resp: 1089

Ion	Ratio	Lower	Upper
166	100		
165	88.1	71.4	107.2
167	16.1	10.6	16.0#

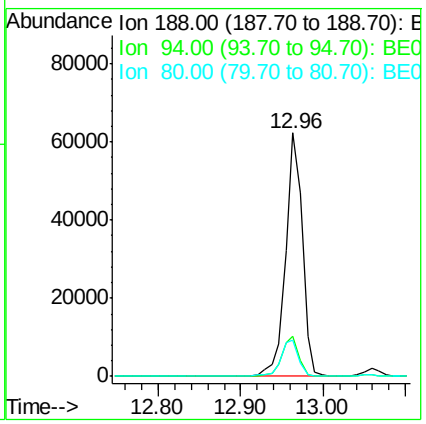




#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.96 min Scan# 2306
Delta R.T. 0.00 min
Lab File: BE088128.D
Acq: 21 Oct 2014 6:50

Tgt Ion:188 Resp: 106838

Ion	Ratio	Lower	Upper
188	100		
94	16.4	13.9	20.9
80	15.0	12.9	19.3



Instrument :
BNA_E
ClientSampleId :
YS19-SB08-1014

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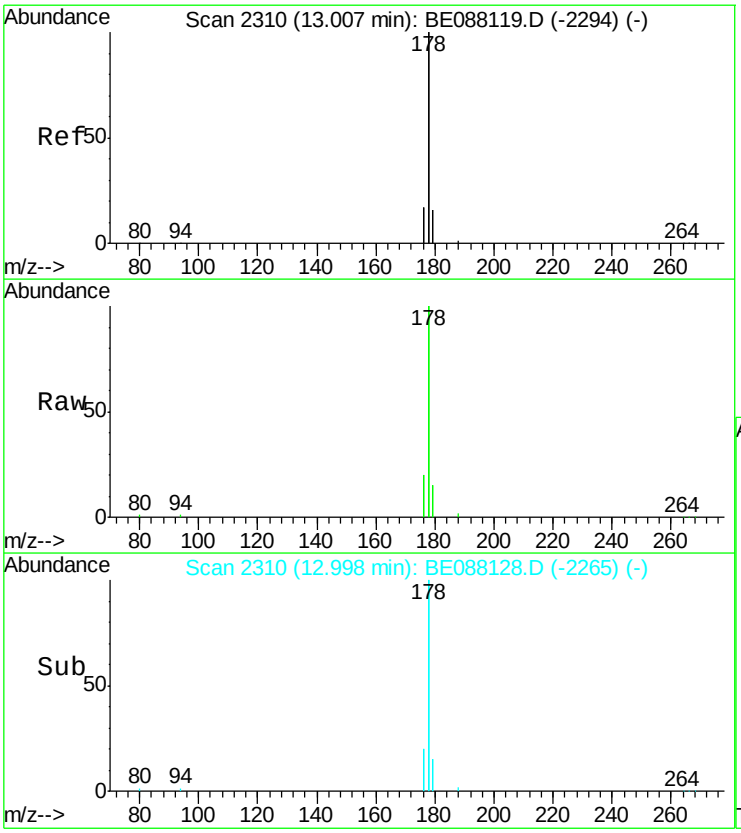
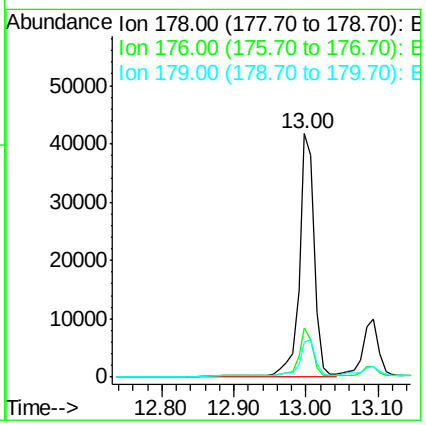
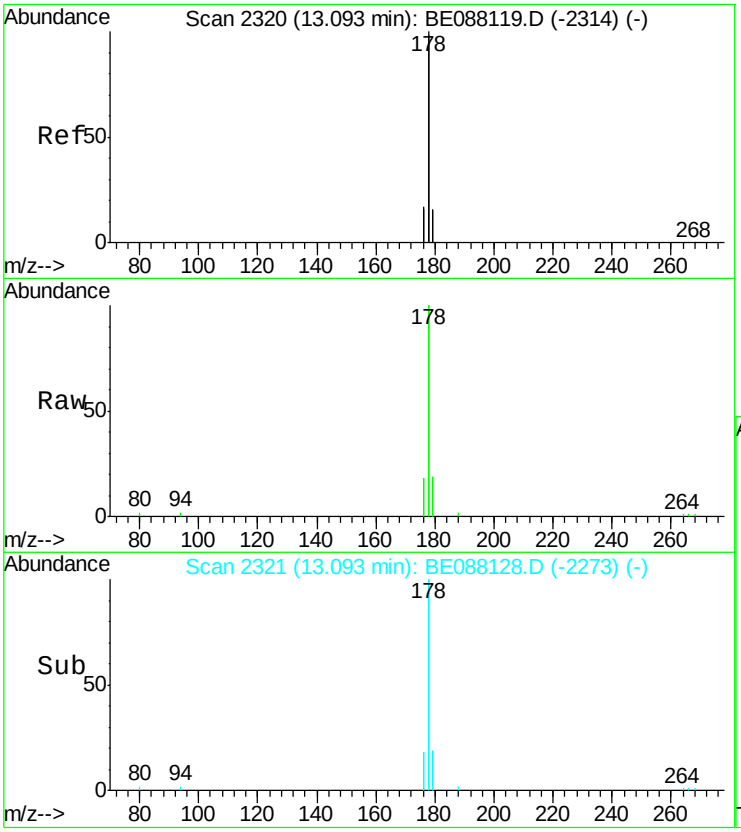


#13
Phenanthrene
Concen: 0.74 ng
RT: 13.00 min Scan# 2310
Delta R.T. -0.01 min
Lab File: BE088128.D
Acq: 21 Oct 2014 6:50

Tgt Ion:178 Resp: 73719

Ion	Ratio	Lower	Upper
178	100		
176	15.8	12.5	18.7
179	19.0	13.5	20.3





#14
Anthracene
Concen: 0.17 ng
RT: 13.09 min Scan# 2321
Delta R.T. 0.00 min
Lab File: BE088128.D
Acq: 21 Oct 2014 6:50

Tgt Ion:178 Resp: 14247

Ion	Ratio	Lower	Upper
178	100		
176	19.9	14.6	21.8
179	22.6	12.5	18.7#

Instrument :
BNA_E
ClientSampleId :
YS19-SB08-1014

Manual Integrations APPROVED
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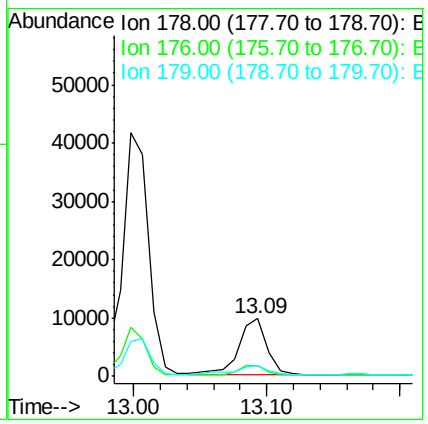
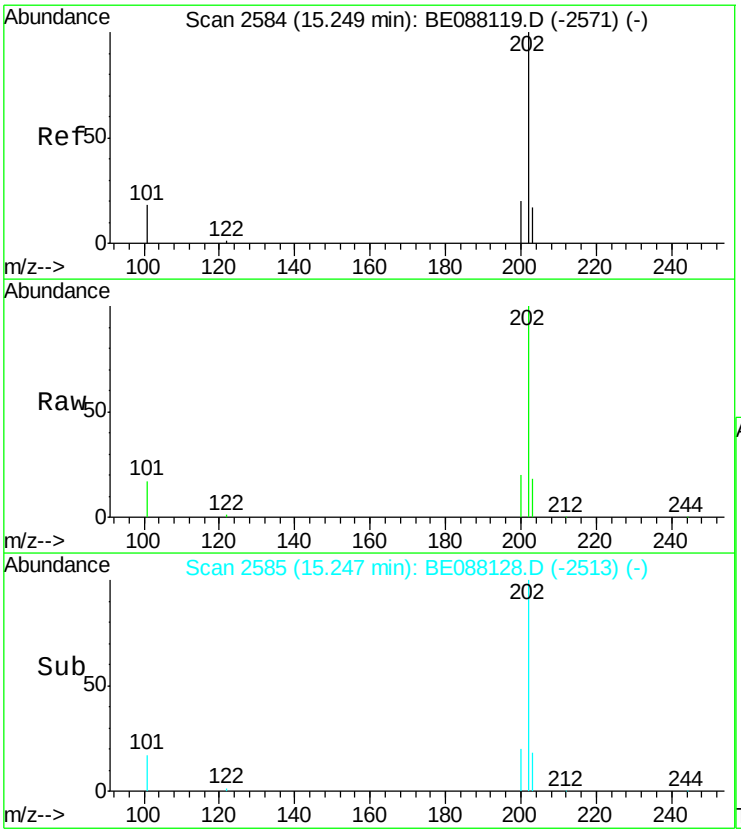
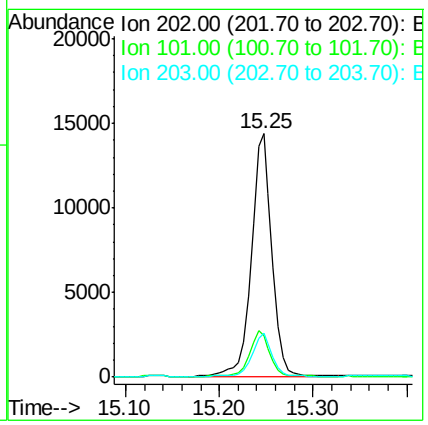


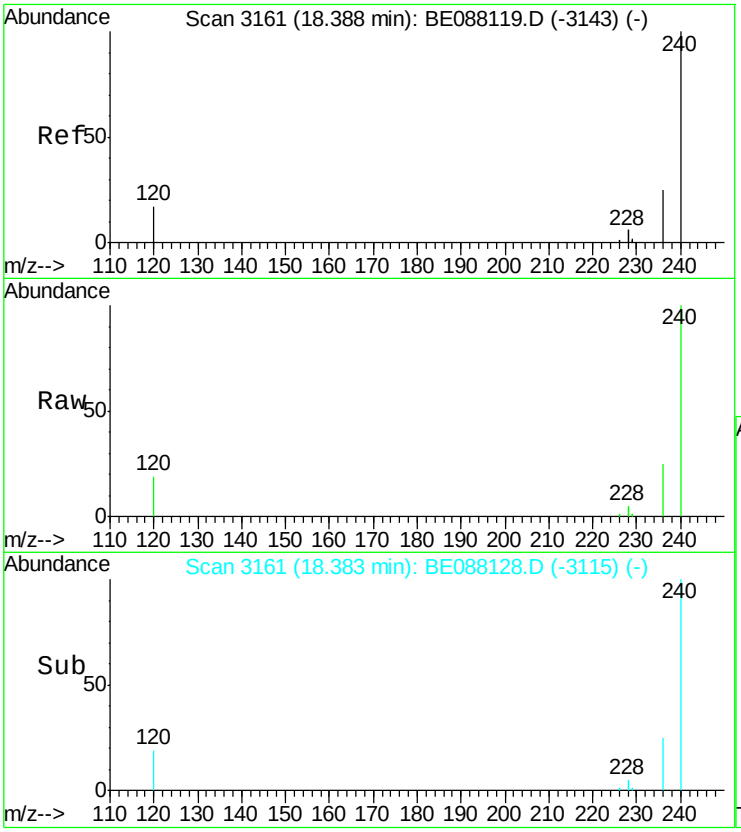


#15
Fluoranthene
Concen: 1.07 ng
RT: 15.25 min Scan# 2585
Delta R.T. -0.00 min
Lab File: BE088128.D
Acq: 21 Oct 2014 6:50

Tgt Ion:202 Resp: 21763

Ion	Ratio	Lower	Upper
202	100		
101	18.4	14.8	22.2
203	17.0	13.5	20.3





#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.38 min Scan# 3161
Delta R.T. -0.01 min
Lab File: BE088128.D
Acq: 21 Oct 2014 6:50

Tgt Ion:240 Resp: 70408

Ion	Ratio	Lower	Upper
240	100		
120	18.7	13.9	20.9
236	25.5	19.9	29.9

Instrument :
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ClientSampleId :
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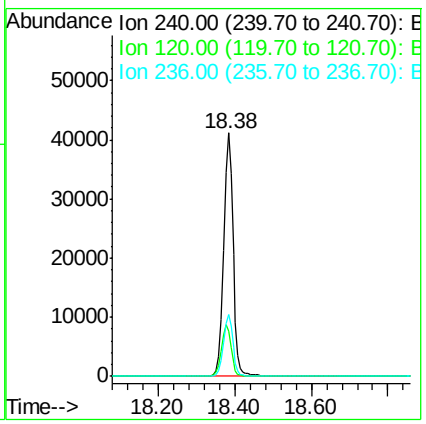
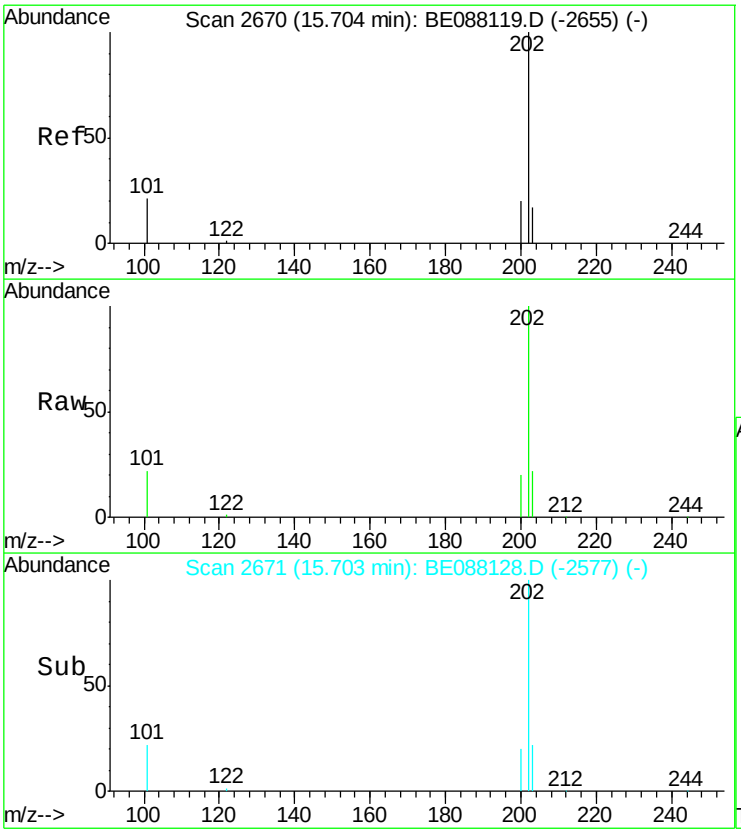
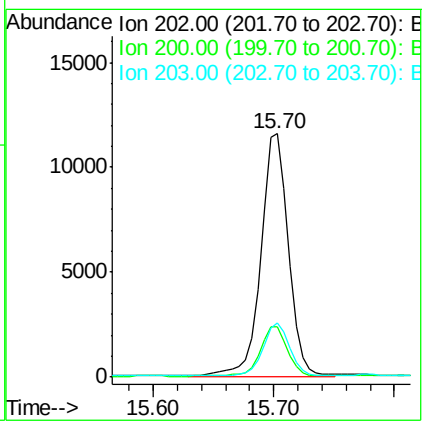


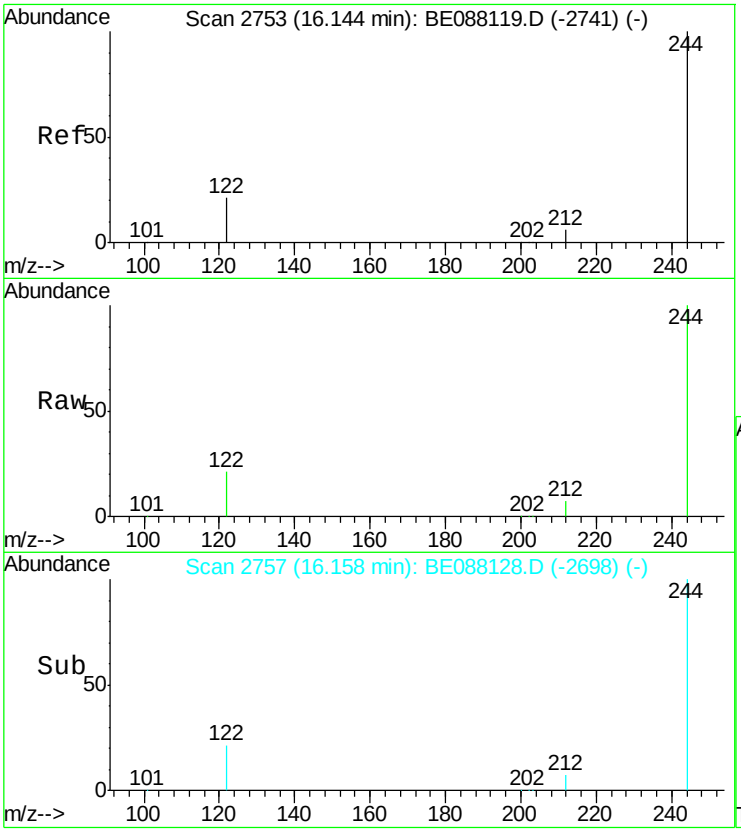


#17
Pyrene
Concen: 0.97 ng m
RT: 15.70 min Scan# 2671
Delta R.T. -0.00 min
Lab File: BE088128.D
Acq: 21 Oct 2014 6:50

Tgt Ion:202 Resp: 18604

Ion	Ratio	Lower	Upper
202	100		
200	22.6	16.1	24.1
203	19.6	13.9	20.9

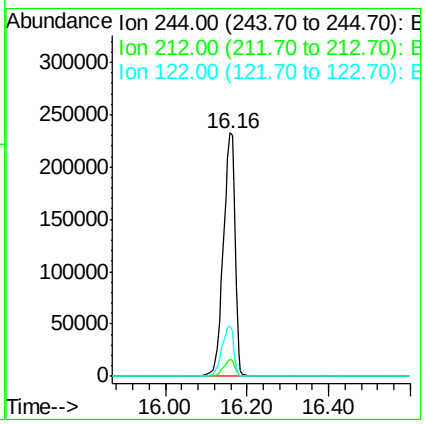




#18
Terphenyl-d14
Concen: 41.67 ng
RT: 16.16 min Scan# 2757
Delta R.T. 0.01 min
Lab File: BE088128.D
Acq: 21 Oct 2014 6:50

Tgt Ion:244 Resp: 472127

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	20.5	17.5	26.3



Instrument :
BNA_E
ClientSampleId :
YS19-SB08-1014

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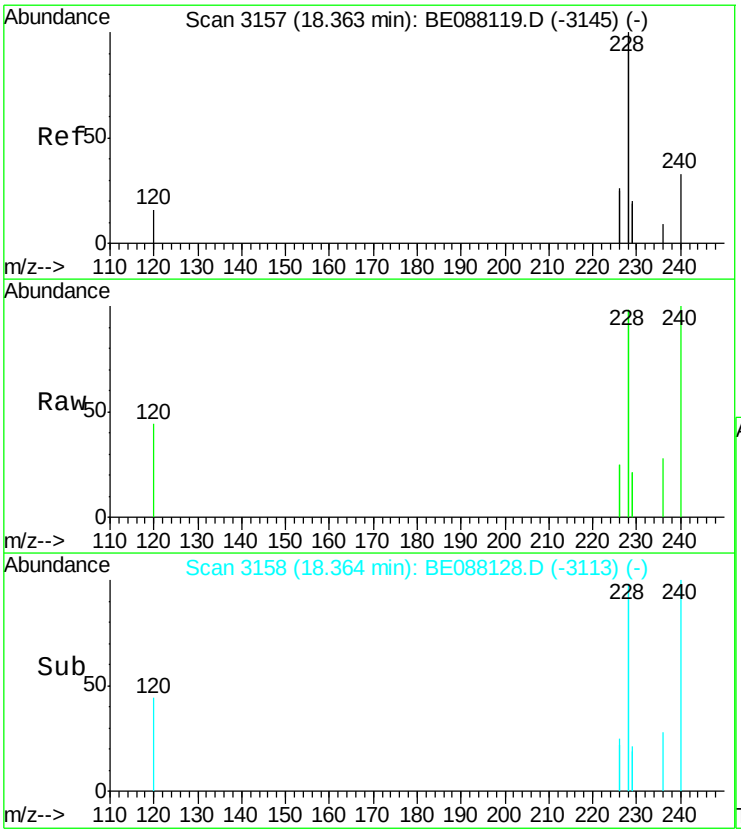
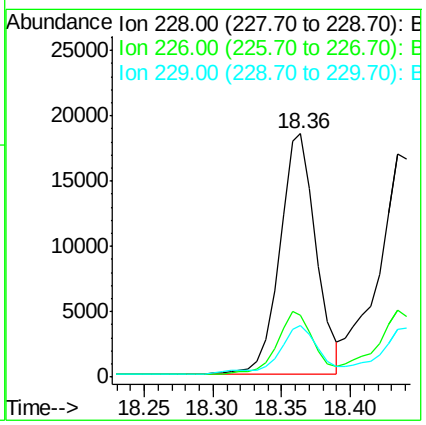
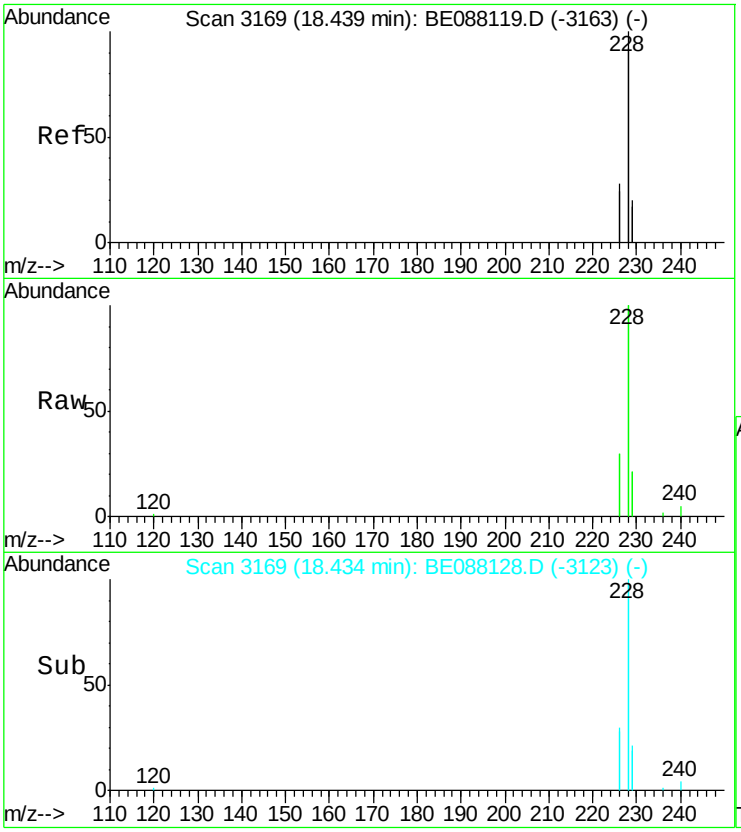


#19
Benzo(a)anthracene
Concen: 0.54 ng
RT: 18.36 min Scan# 3158
Delta R.T. 0.00 min
Lab File: BE088128.D
Acq: 21 Oct 2014 6:50

Tgt Ion:228 Resp: 33936

Ion	Ratio	Lower	Upper
228	100		
226	25.5	20.8	31.2
229	21.3	15.6	23.4





#20
Chrysene
Concen: 0.56 ng
RT: 18.43 min Scan# 3169
Delta R.T. -0.01 min
Lab File: BE088128.D
Acq: 21 Oct 2014 6:50

Tgt Ion:228 Resp: 34271

Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.7	34.1
229	21.1	15.8	23.6

Instrument :
BNA_E
ClientSampleId :
YS19-SB08-1014

Manual Integrations APPROVED
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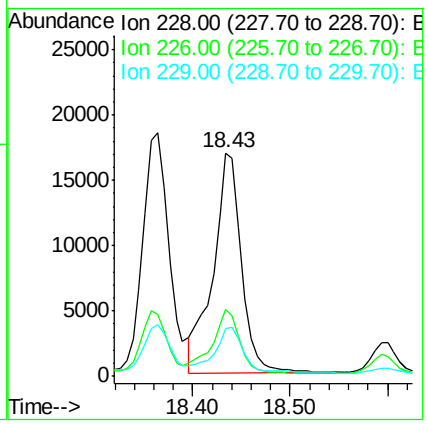
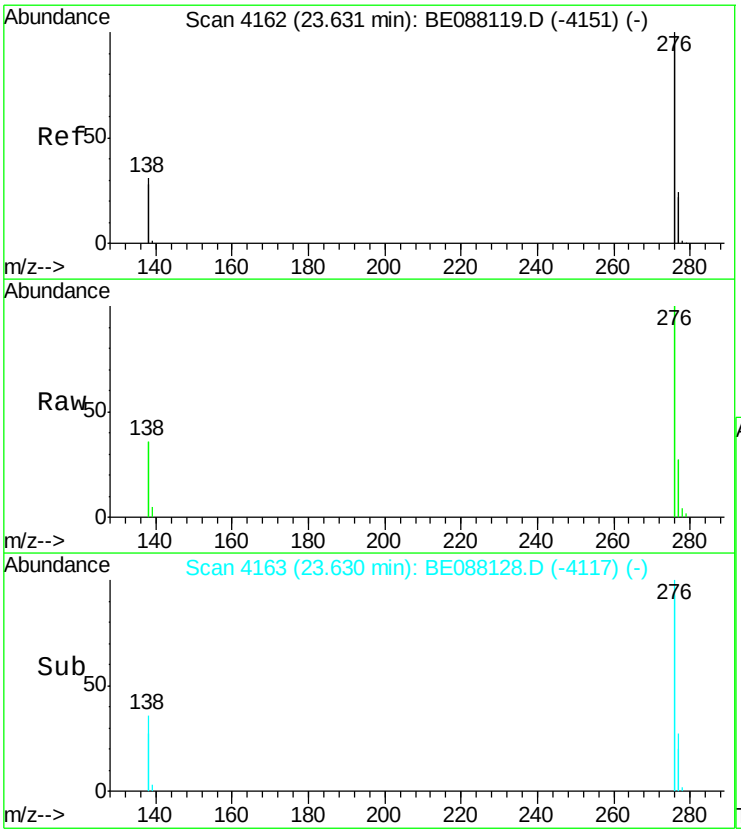
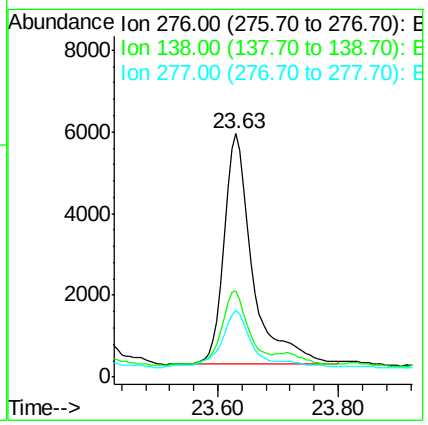


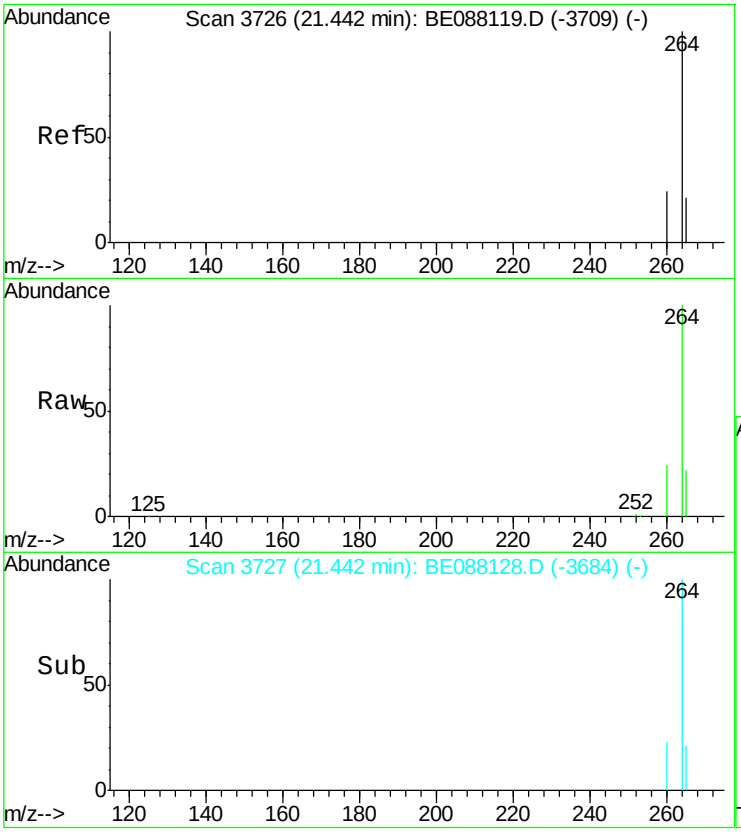


#21
Indeno(1,2,3-cd)pyrene
Concen: 0.28 ng
RT: 23.63 min Scan# 4163
Delta R.T. -0.00 min
Lab File: BE088128.D
Acq: 21 Oct 2014 6:50

Tgt Ion:276 Resp: 18818

Ion	Ratio	Lower	Upper
276	100		
138	30.8	18.5	27.7#
277	26.5	14.6	21.8#

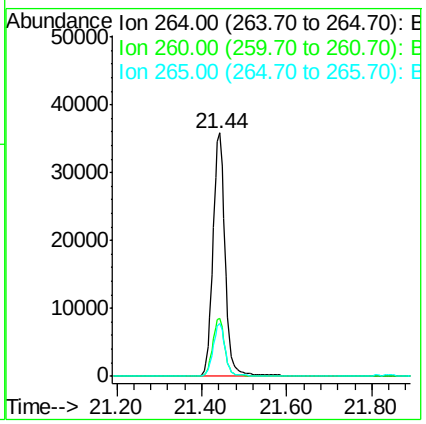




#22
Perylene-d12
Concen: 5.00 ng
RT: 21.44 min Scan# 3727
Delta R.T. 0.00 min
Lab File: BE088128.D
Acq: 21 Oct 2014 6:50

Tgt Ion:264 Resp: 67896

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.4
265	21.6	17.2	25.8



Instrument :
BNA_E
ClientSampleId :
YS19-SB08-1014

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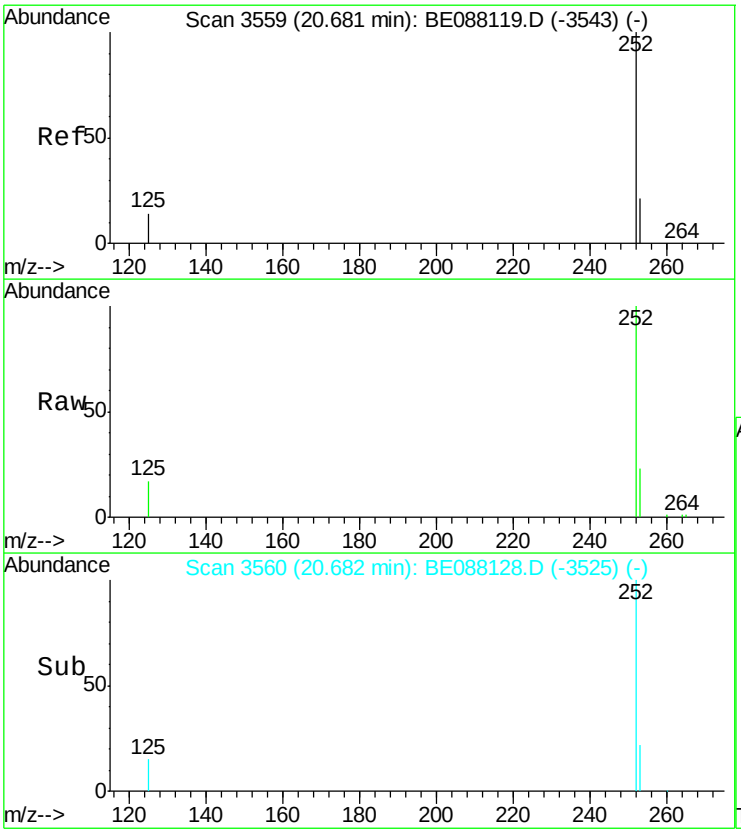
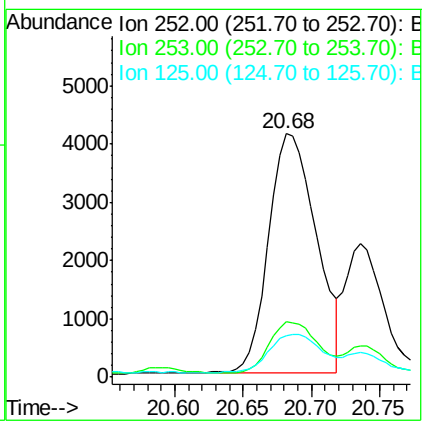
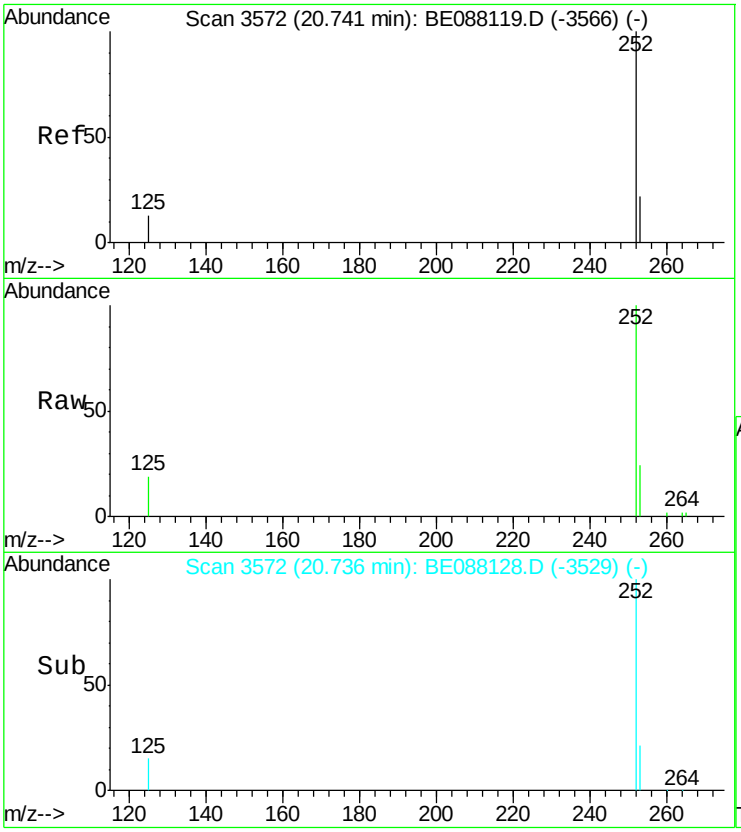


#23
Benzo(b)fluoranthene
Concen: 0.62 ng
RT: 20.68 min Scan# 3560
Delta R.T. 0.00 min
Lab File: BE088128.D
Acq: 21 Oct 2014 6:50

Tgt Ion:252 Resp: 9993

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	17.0	11.8	17.8

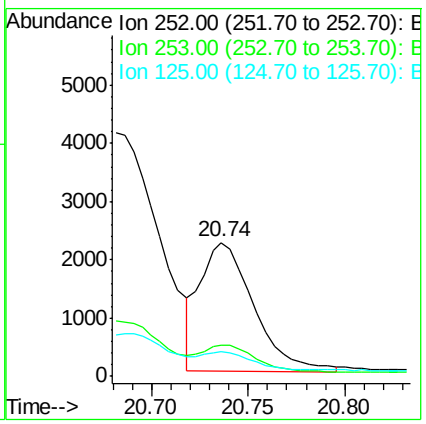




#24
Benzo(k)fluoranthene
Concen: 0.25 ng m
RT: 20.74 min Scan# 3572
Delta R.T. -0.00 min
Lab File: BE088128.D
Acq: 21 Oct 2014 6:50

Tgt Ion:252 Resp: 4314

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	18.6	11.5	17.3#



Instrument :
BNA_E
ClientSampleId :
YS19-SB08-1014

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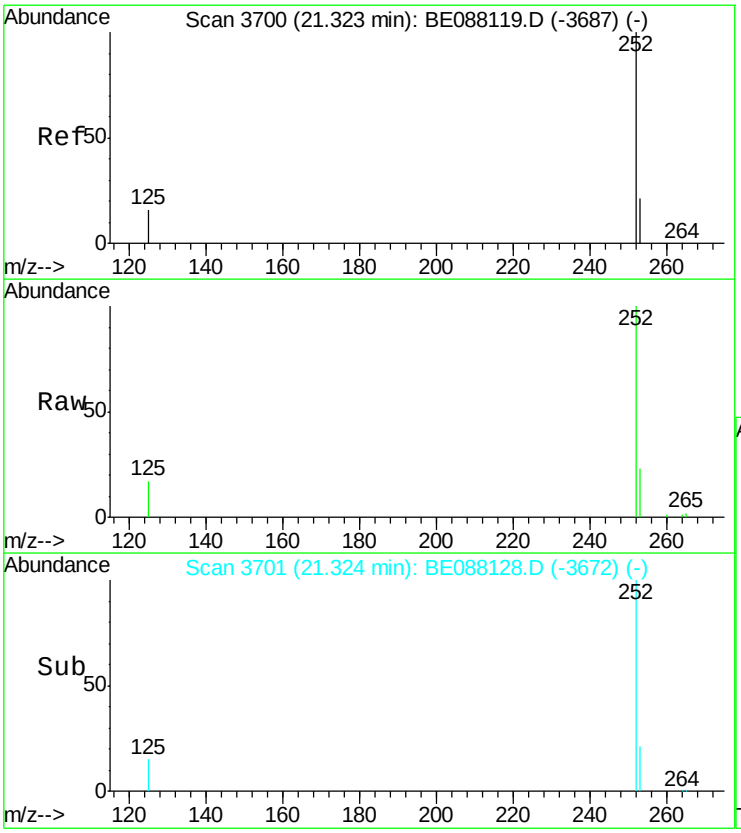
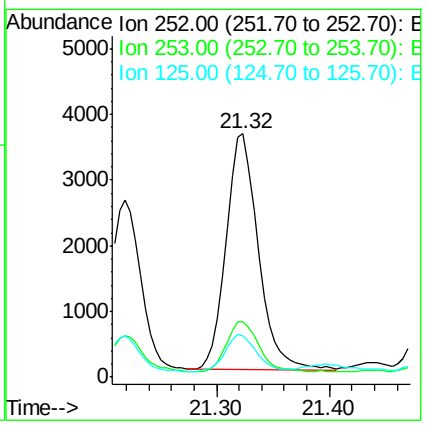
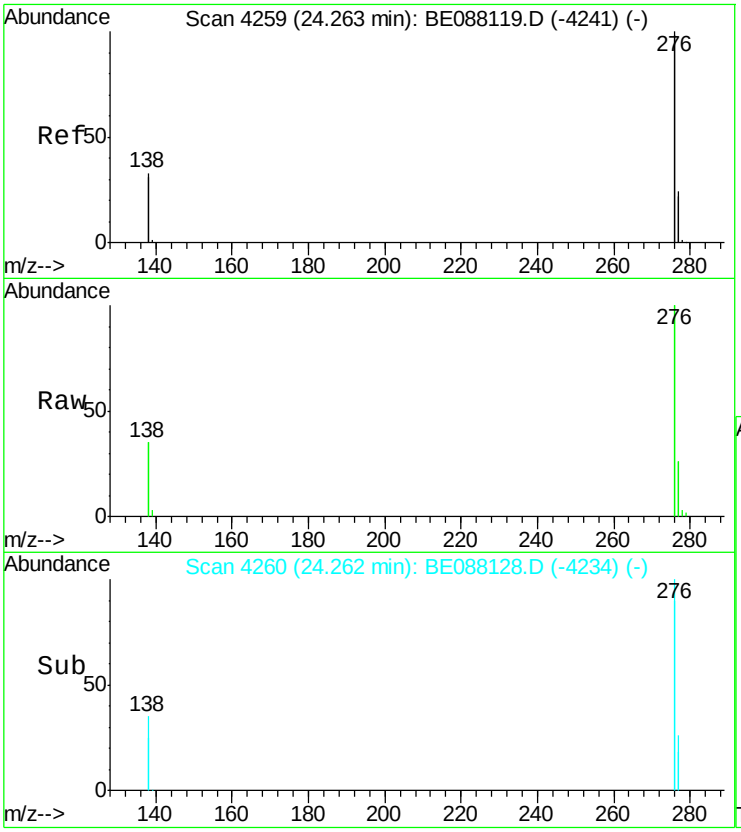


#25
Benzo(a)pyrene
Concen: 0.47 ng
RT: 21.32 min Scan# 3701
Delta R.T. 0.00 min
Lab File: BE088128.D
Acq: 21 Oct 2014 6:50

Tgt Ion:252 Resp: 7042

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	17.0	13.0	19.6

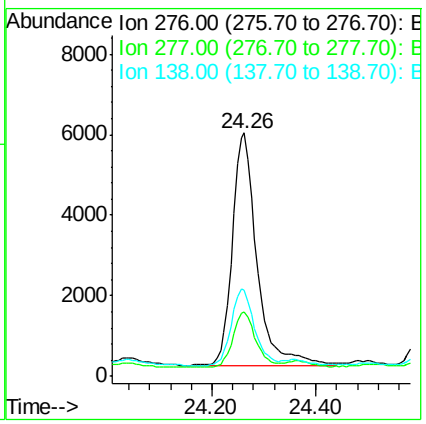




#27
Benzo(g,h,i)perylene
Concen: 0.29 ng
RT: 24.26 min Scan# 4260
Delta R.T. -0.00 min
Lab File: BE088128.D
Acq: 21 Oct 2014 6:50

Tgt Ion:276 Resp: 18852

Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.2	28.8
138	35.3	26.6	40.0



Instrument :
BNA_E
ClientSampleId :
YS19-SB08-1014

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