Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
Data File : BE088142.D
Acq On : 21 Oct 2014 15:12
Operator : TP/JJ
Sample : F4351-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : YS19-SW01-1014

Manual Integrations APPROVED
mohammad
10/22/2014 1:53:33 PM

Quant Time: Oct 22 04:42:23 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	37602	5.00	ng		0.00
3) Naphthalene-d8	8.70	136	138098	5.00	ng		0.00
7) Acenaphthene-d10	10.85	164	60444	5.00	ng		0.00
12) Phenanthrene-d10	12.97	188	109009	5.00	ng		0.00
16) Chrysene-d12	18.38	240	74590	5.00	ng		0.00
22) Perylene-d12	21.44	264	70812	5.00	ng		0.00
System Monitoring Compounds							
4) Nitrobenzene-d5	7.82	82	67904	6.82	ng		0.00
8) 2-Fluorobiphenyl	10.03	172	112187	6.72	ng		0.00
18) Terphenyl-d14	16.15	244	94863	7.90	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.39	88	7631	1.41	ng	#	86
14) Anthracene	13.09	178	3949m	0.05	ng		
15) Fluoranthene	15.22	202	3037	0.15	ng		99
17) Pyrene	15.68	202	3037	0.15	ng		100
19) Benzo(a)anthracene	18.36	228	7605	0.11	ng	#	90
20) Chrysene	18.43	228	11394	0.18	ng		92
23) Benzo(b)fluoranthene	20.68	252	902	0.05	ng	#	76
24) Benzo(k)fluoranthene	20.74	252	912	0.05	ng	#	72

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
Data File : BE088142.D
Acq On : 21 Oct 2014 15:12
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Sample : F4351-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 22 04:42:23 2014
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Instrument :
BNA_E
ClientSampleId :
YS19-SW01-1014

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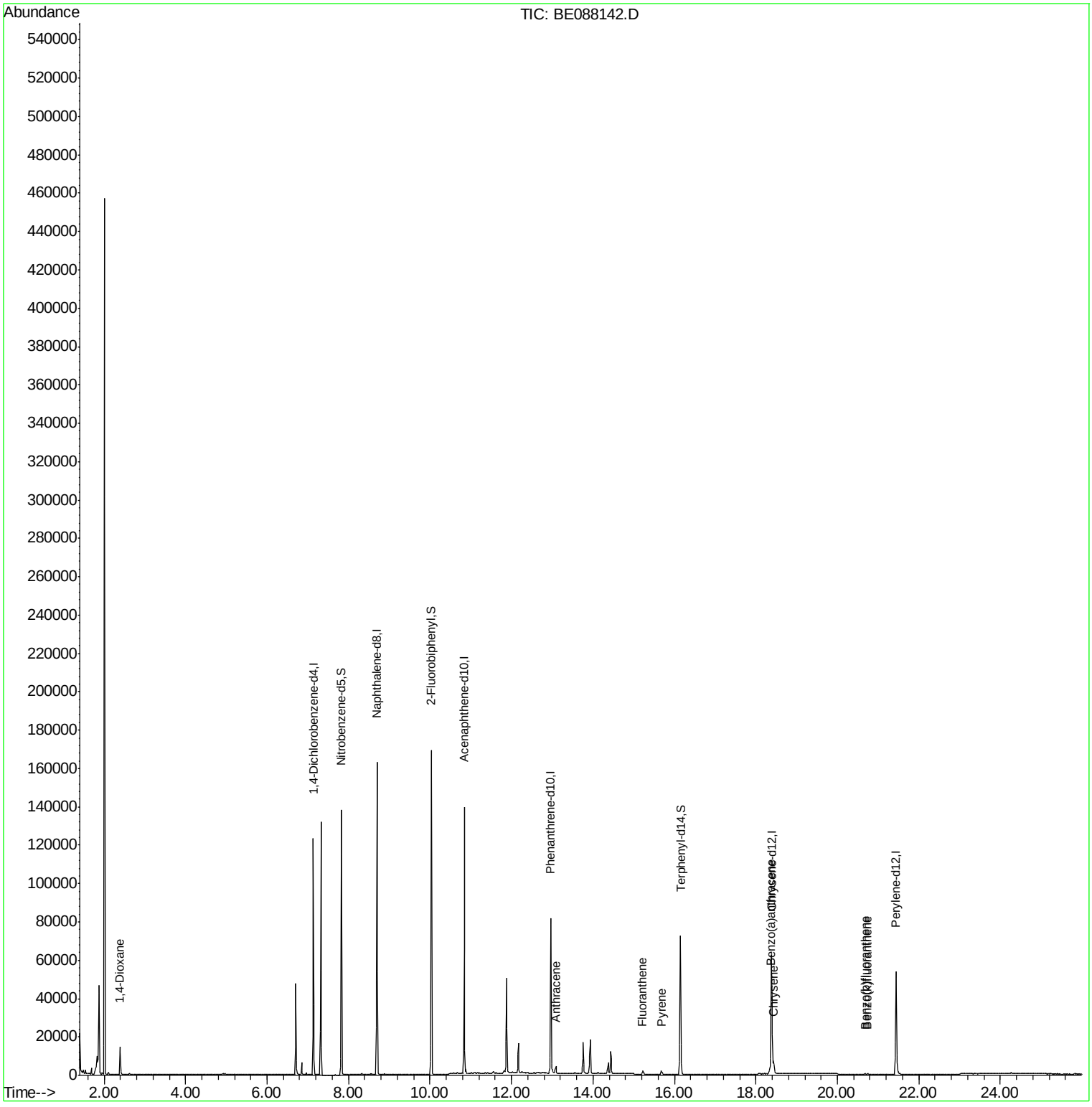
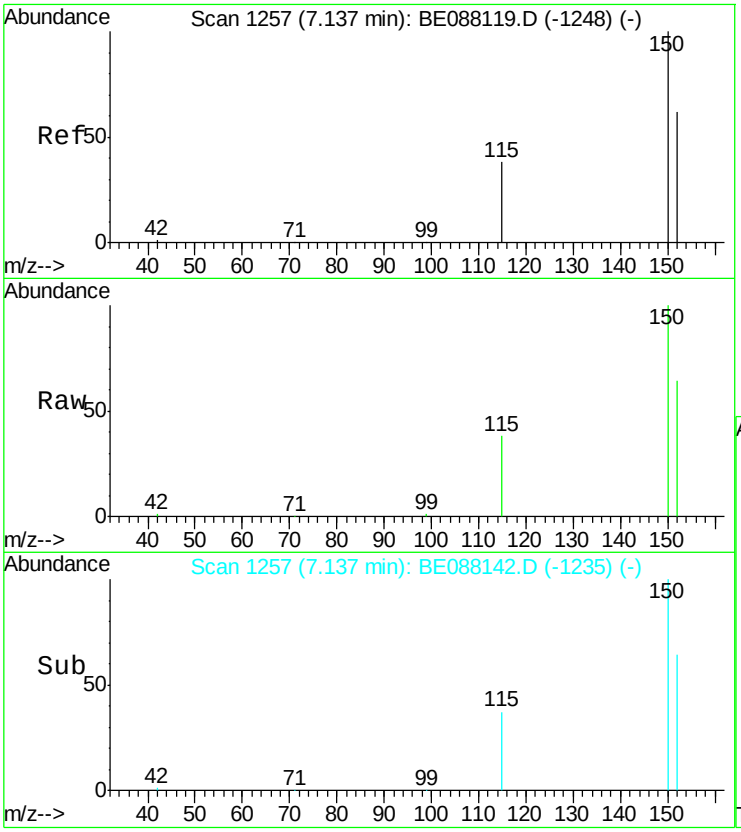
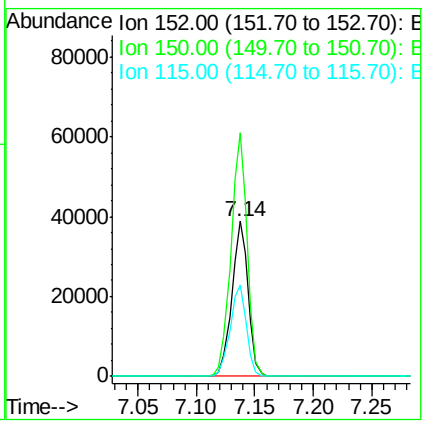




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.14 min Scan# 1257
Delta R.T. -0.00 min
Lab File: BE088142.D
Acq: 21 Oct 2014 15:12

Tgt Ion:152 Resp: 37602

Ion	Ratio	Lower	Upper
152	100		
150	157.4	129.2	193.8
115	59.1	49.3	73.9



Instrument :
BNA_E
ClientSampleId :
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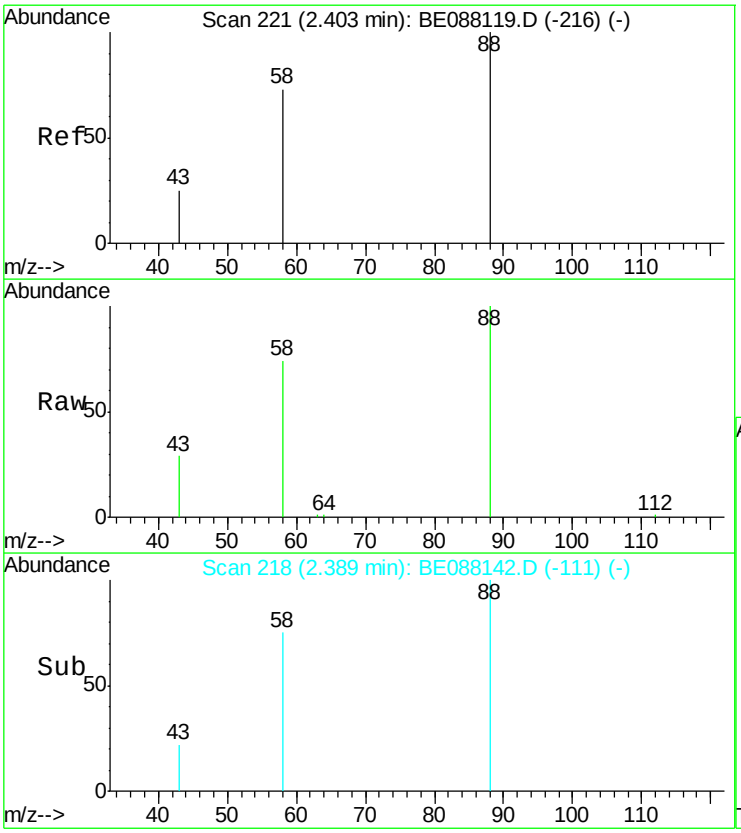
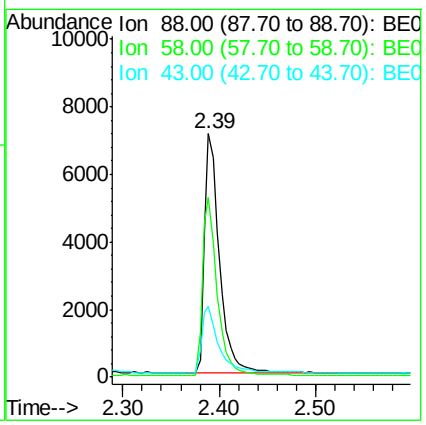
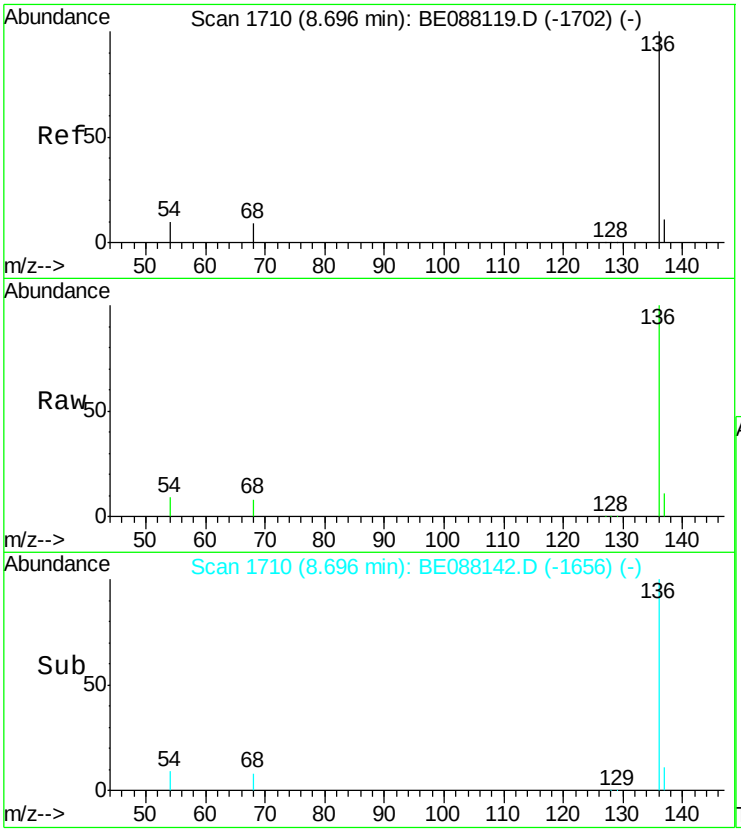


#2
1,4-Dioxane
Concen: 1.41 ng
RT: 2.39 min Scan# 218
Delta R.T. -0.01 min
Lab File: BE088142.D
Acq: 21 Oct 2014 15:12

Tgt Ion: 88 Resp: 7631

Ion	Ratio	Lower	Upper
88	100		
58	74.2	59.5	89.3
43	0.0	21.2	31.8#

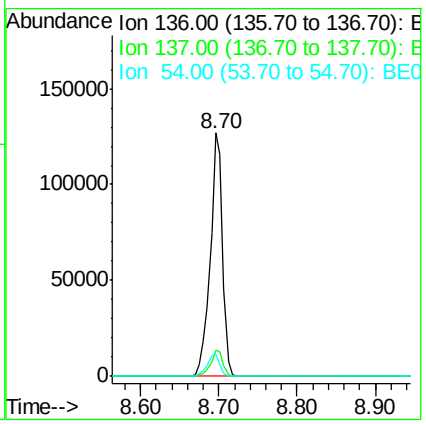




#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.70 min Scan# 1710
Delta R.T. -0.00 min
Lab File: BE088142.D
Acq: 21 Oct 2014 15:12

Tgt Ion:136 Resp: 138098

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	9.4	7.7	11.5



Instrument :
BNA_E
ClientSampleId :
YS19-SW01-1014

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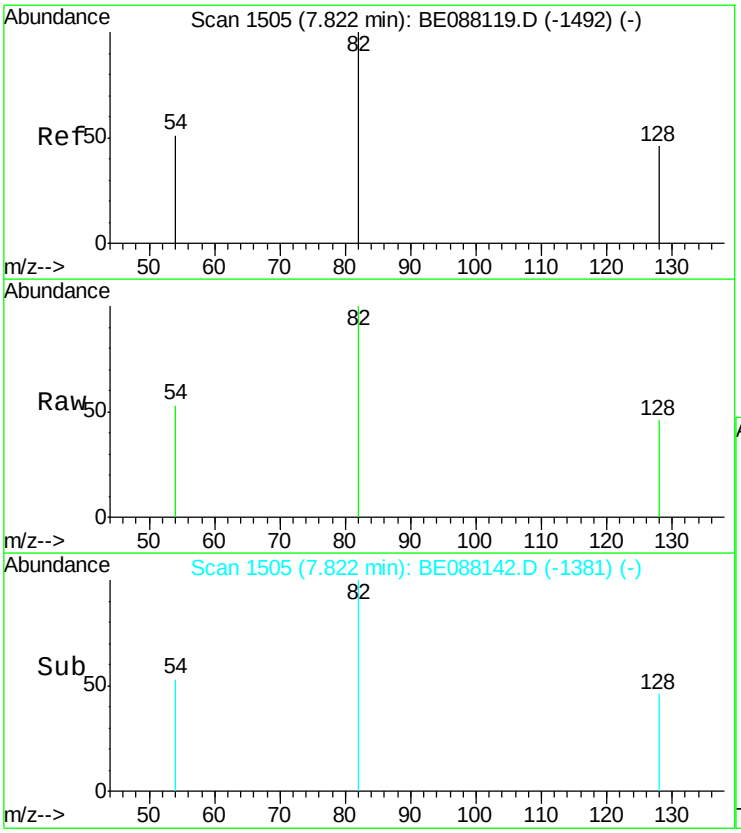
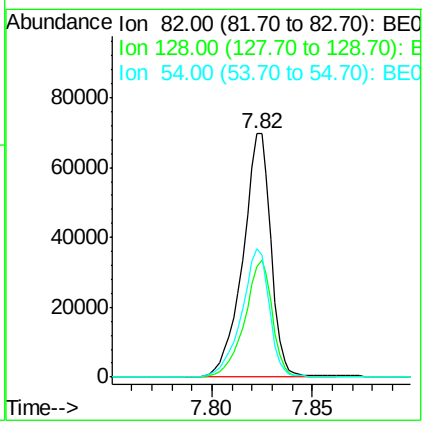
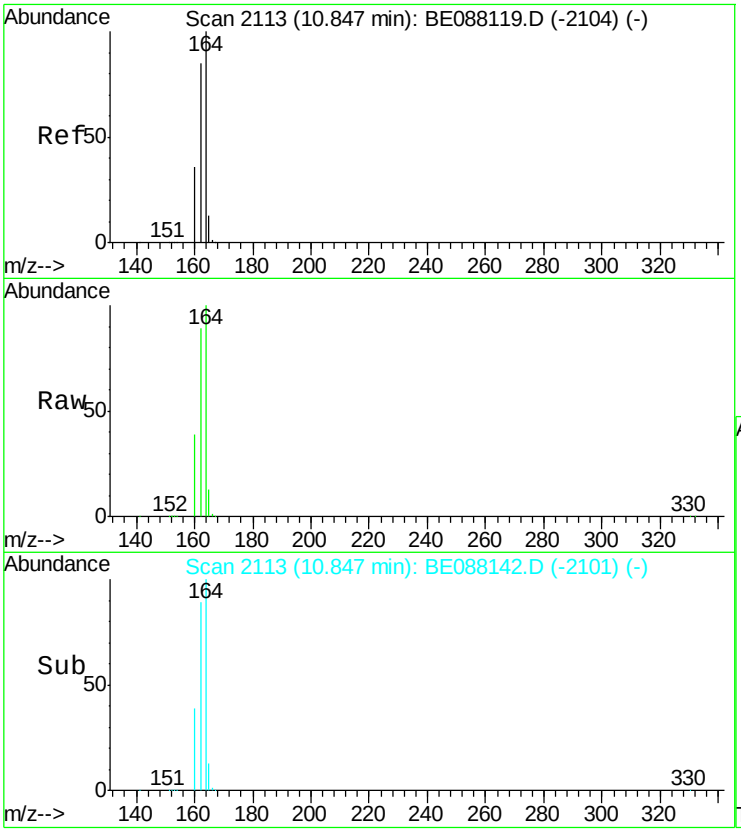


#4
Nitrobenzene-d5
Concen: 6.82 ng
RT: 7.82 min Scan# 1505
Delta R.T. -0.00 min
Lab File: BE088142.D
Acq: 21 Oct 2014 15:12

Tgt Ion: 82 Resp: 67904

Ion	Ratio	Lower	Upper
82	100		
128	45.6	37.1	55.7
54	52.8	41.1	61.7

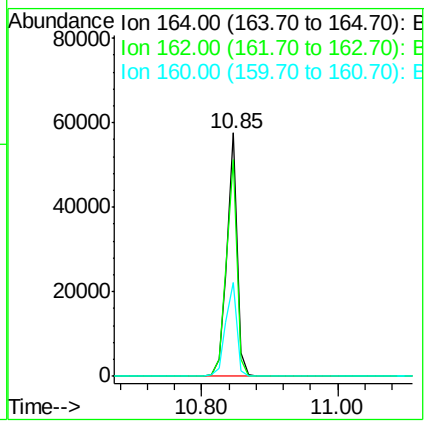




#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.85 min Scan# 2113
Delta R.T. -0.00 min
Lab File: BE088142.D
Acq: 21 Oct 2014 15:12

Tgt Ion:164 Resp: 60444

Ion	Ratio	Lower	Upper
164	100		
162	88.8	68.3	102.5
160	38.6	28.7	43.1



Instrument :
BNA_E
ClientSampleId :
YS19-SW01-1014

Manual Integrations APPROVED
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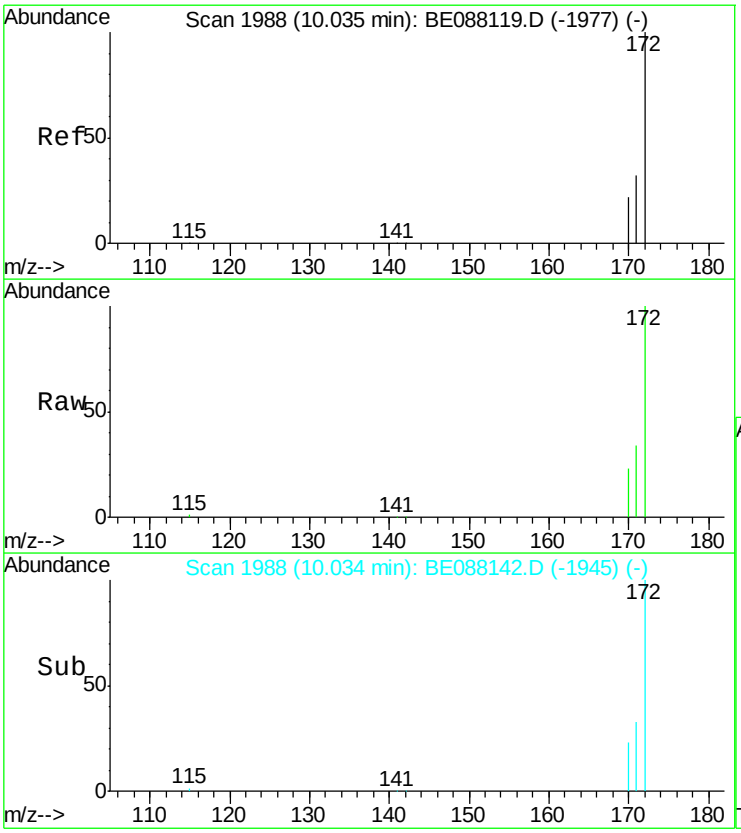
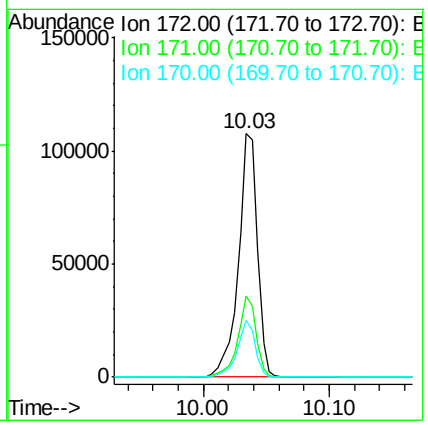
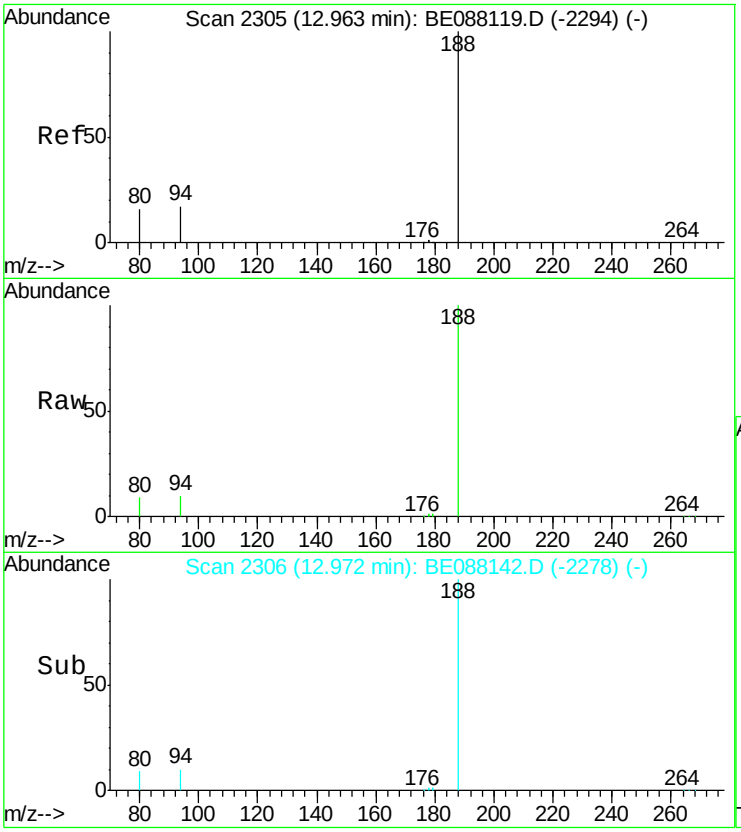


#8
2-Fluorobiphenyl
Concen: 6.72 ng
RT: 10.03 min Scan# 1988
Delta R.T. -0.00 min
Lab File: BE088142.D
Acq: 21 Oct 2014 15:12

Tgt Ion:172 Resp: 112187

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





#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.97 min Scan# 2306
Delta R.T. 0.01 min
Lab File: BE088142.D
Acq: 21 Oct 2014 15:12

Tgt Ion:188 Resp: 109009

Ion	Ratio	Lower	Upper
188	100		
94	10.5	13.9	20.9#
80	9.3	12.9	19.3#

Instrument :
BNA_E
ClientSampleId :
YS19-SW01-1014

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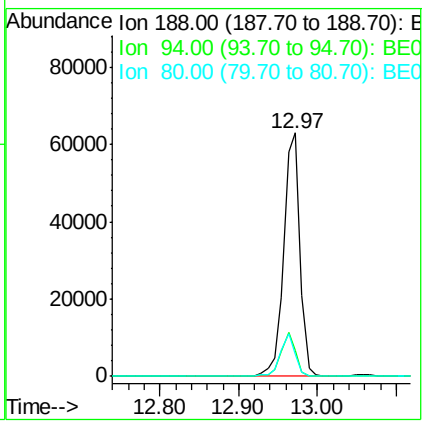
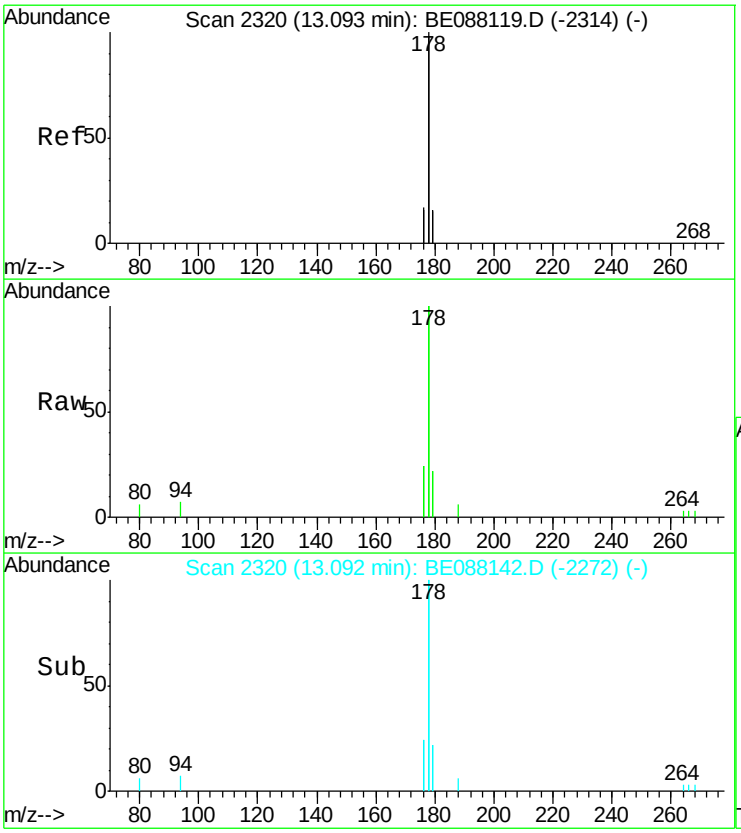
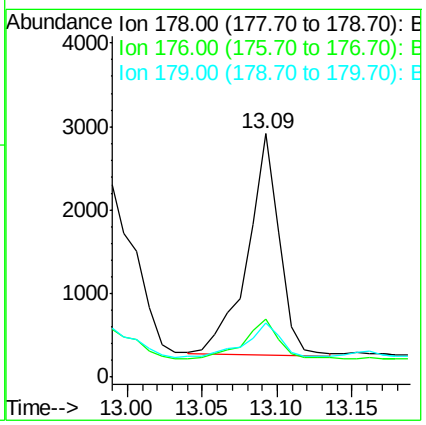


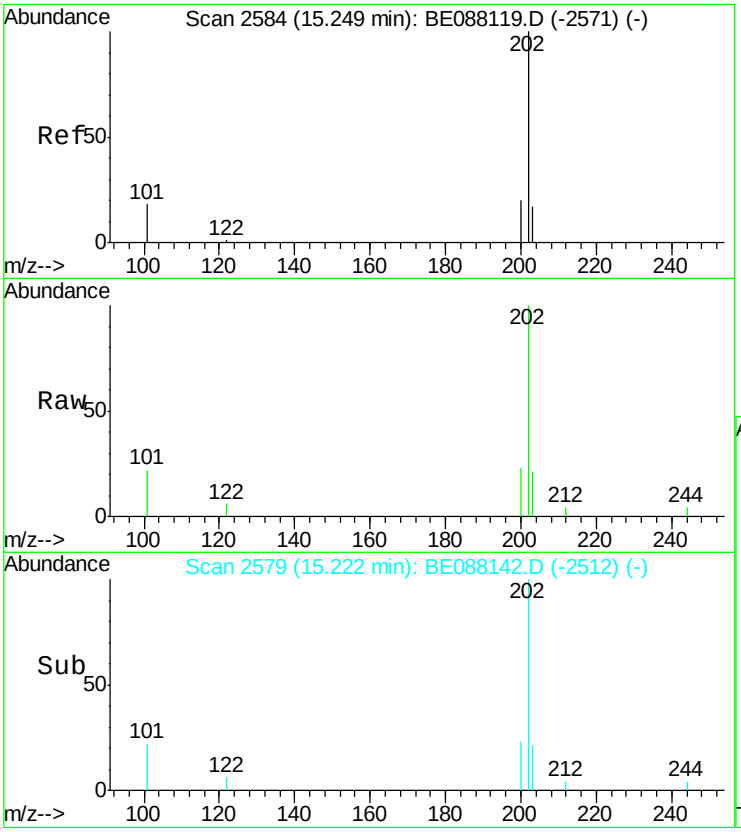


#14
Anthracene
Concen: 0.05 ng m
RT: 13.09 min Scan# 2320
Delta R.T. -0.00 min
Lab File: BE088142.D
Acq: 21 Oct 2014 15:12

Tgt Ion:178 Resp: 3949

Ion	Ratio	Lower	Upper
178	100		
176	25.5	14.6	21.8#
179	21.3	12.5	18.7#

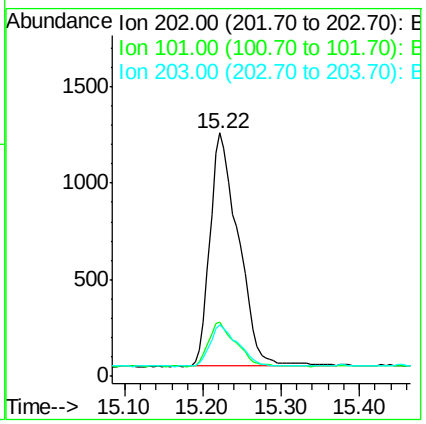




#15
Fluoranthene
Concen: 0.15 ng
RT: 15.22 min Scan# 2579
Delta R.T. -0.03 min
Lab File: BE088142.D
Acq: 21 Oct 2014 15:12

Tgt Ion:202 Resp: 3037

Ion	Ratio	Lower	Upper
202	100		
101	17.9	14.8	22.2
203	16.8	13.5	20.3



Instrument :
BNA_E
ClientSampleId :
YS19-SW01-1014

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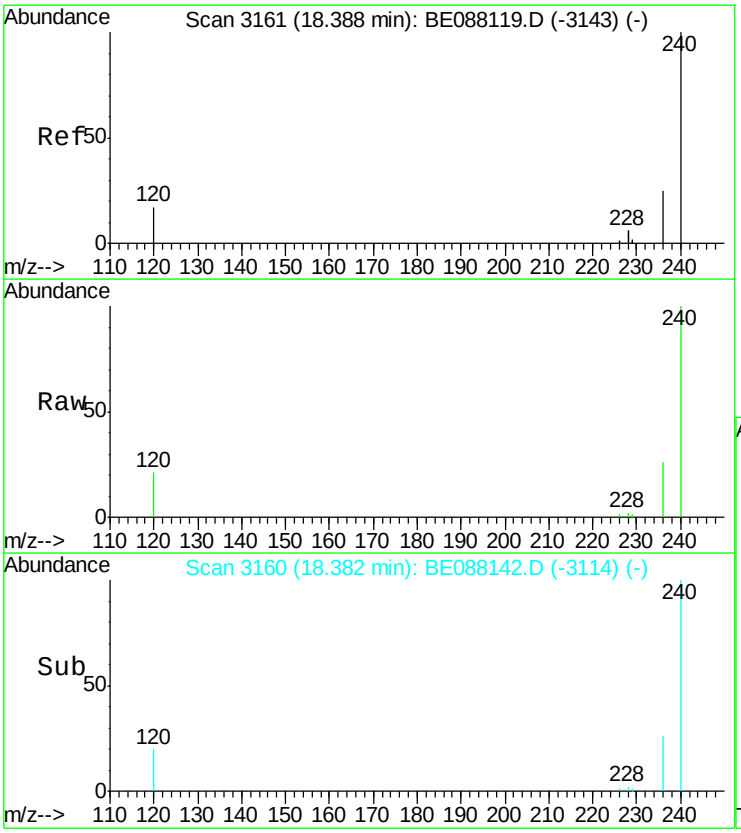
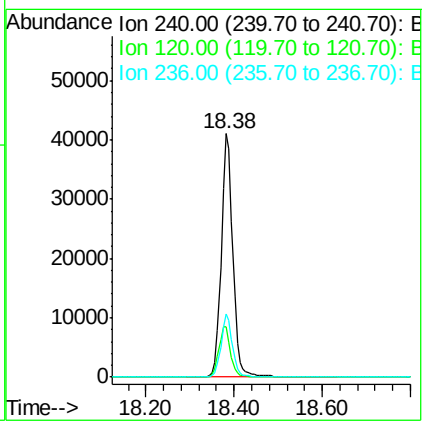
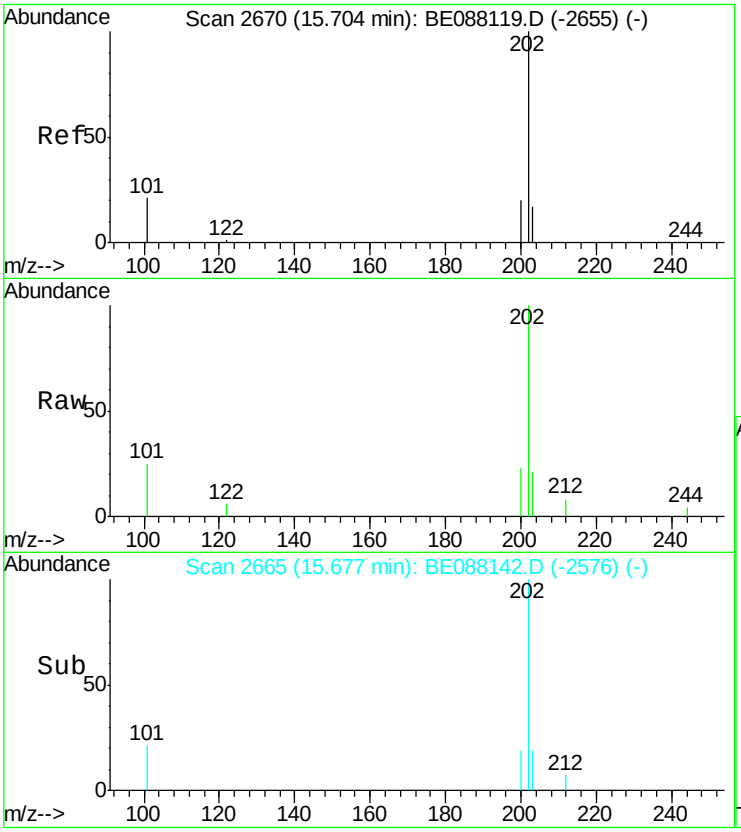


#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.38 min Scan# 3160
Delta R.T. -0.01 min
Lab File: BE088142.D
Acq: 21 Oct 2014 15:12

Tgt Ion:240 Resp: 74590

Ion	Ratio	Lower	Upper
240	100		
120	20.6	13.9	20.9
236	25.7	19.9	29.9

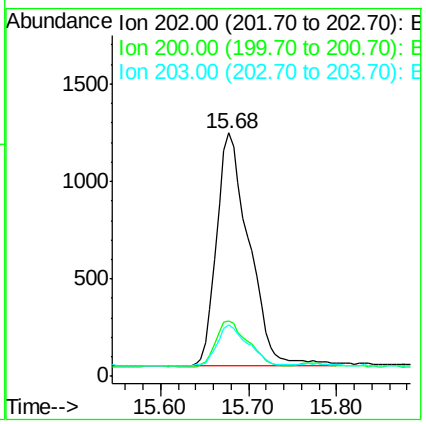




#17
Pyrene
Concen: 0.15 ng
RT: 15.68 min Scan# 2665
Delta R.T. -0.03 min
Lab File: BE088142.D
Acq: 21 Oct 2014 15:12

Tgt Ion:202 Resp: 3037

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.1	24.1
203	17.7	13.9	20.9



Instrument :
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ClientSampleId :
YS19-SW01-1014

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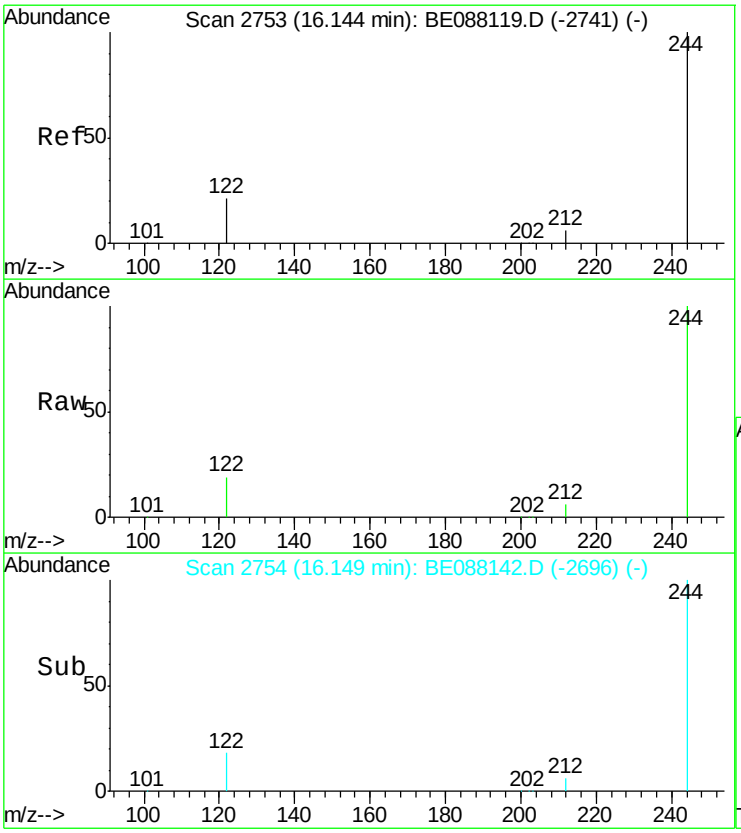
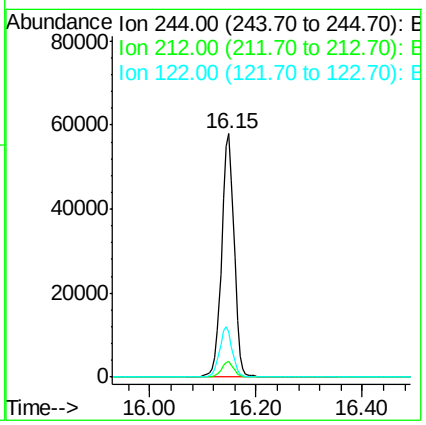
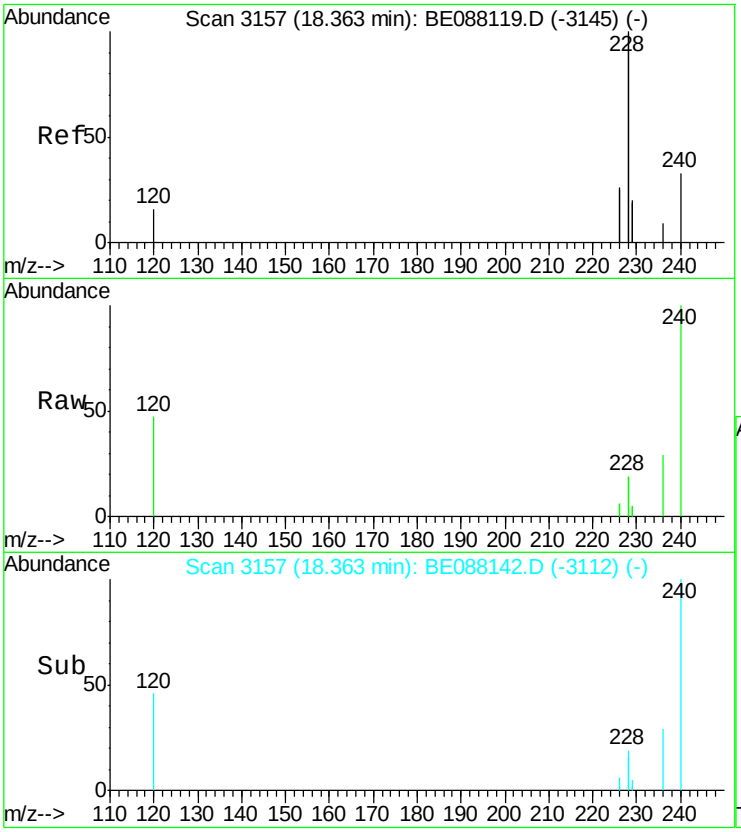


#18
Terphenyl-d14
Concen: 7.90 ng
RT: 16.15 min Scan# 2754
Delta R.T. 0.00 min
Lab File: BE088142.D
Acq: 21 Oct 2014 15:12

Tgt Ion:244 Resp: 94863

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	18.5	17.5	26.3





#19
Benzo(a)anthracene
Concen: 0.11 ng
RT: 18.36 min Scan# 3157
Delta R.T. 0.00 min
Lab File: BE088142.D
Acq: 21 Oct 2014 15:12

Tgt Ion:228 Resp: 7605

Ion	Ratio	Lower	Upper
228	100		
226	29.9	20.8	31.2
229	25.6	15.6	23.4#

Instrument :
BNA_E
ClientSampleId :
YS19-SW01-1014

Manual Integrations APPROVED
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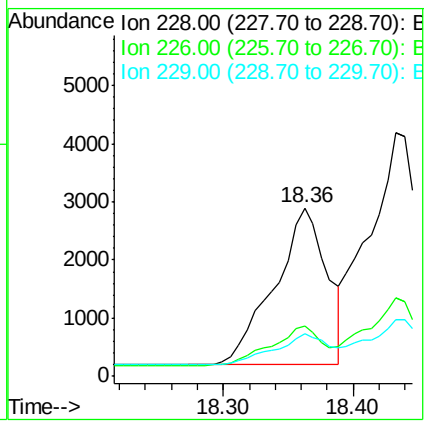
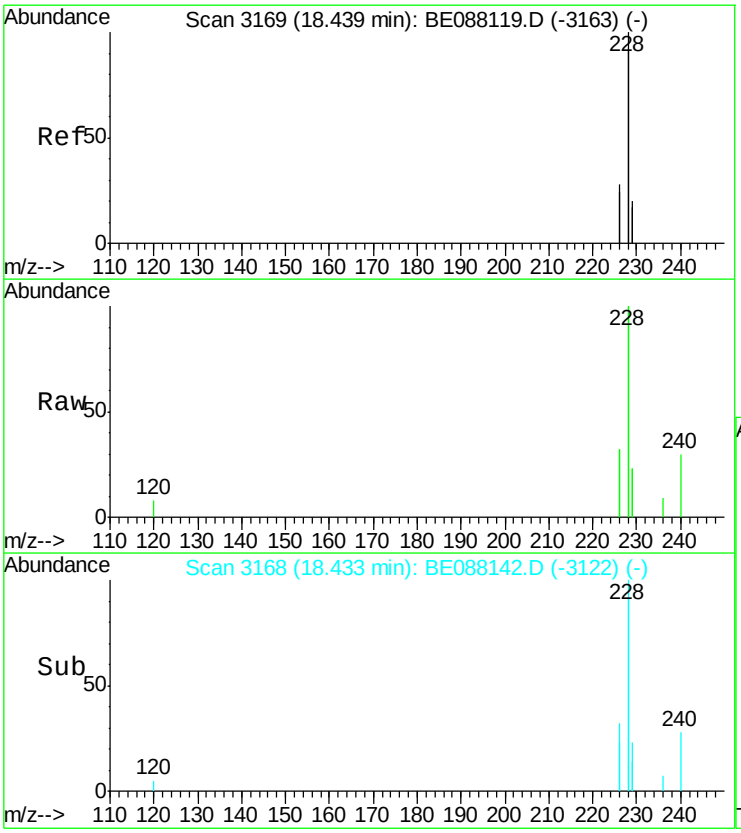
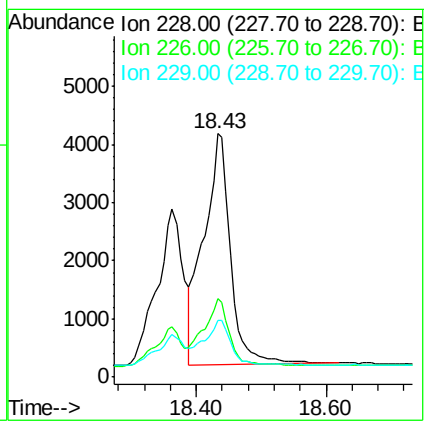


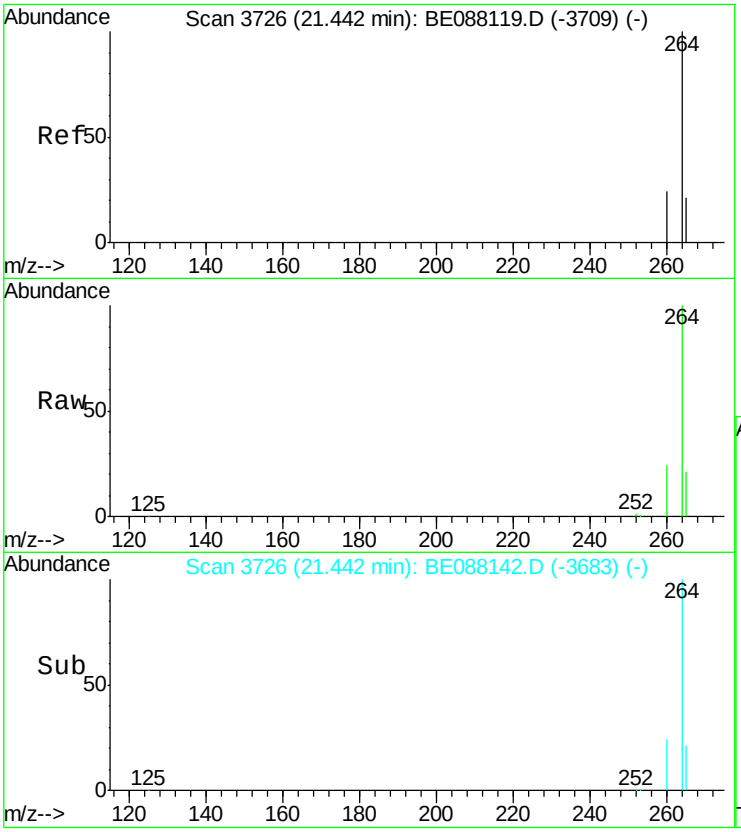


#20
Chrysene
Concen: 0.18 ng
RT: 18.43 min Scan# 3168
Delta R.T. -0.01 min
Lab File: BE088142.D
Acq: 21 Oct 2014 15:12

Tgt Ion:228 Resp: 11394

Ion	Ratio	Lower	Upper
228	100		
226	32.4	22.7	34.1
229	23.4	15.8	23.6

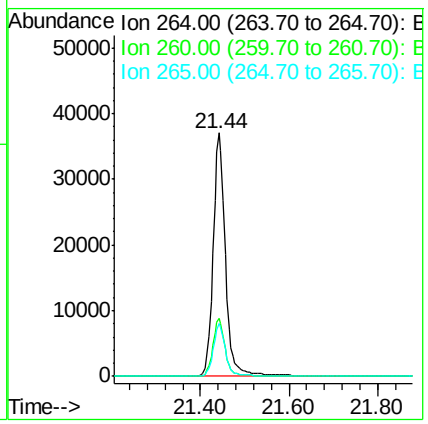




#22
Perylene-d12
Concen: 5.00 ng
RT: 21.44 min Scan# 3726
Delta R.T. -0.00 min
Lab File: BE088142.D
Acq: 21 Oct 2014 15:12

Tgt Ion:264 Resp: 70812

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.4
265	21.5	17.2	25.8



Instrument :
BNA_E
ClientSampleId :
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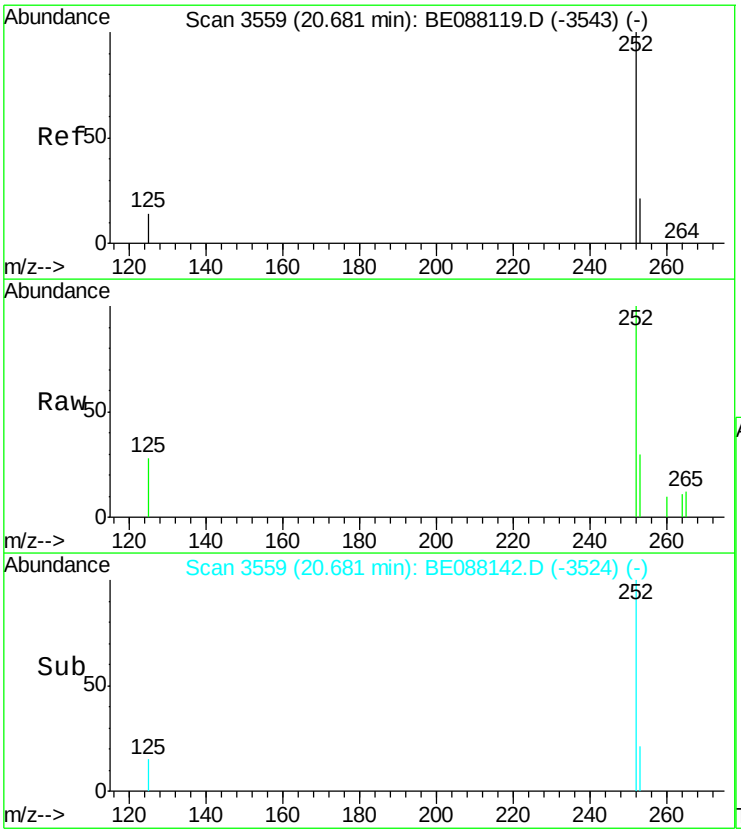
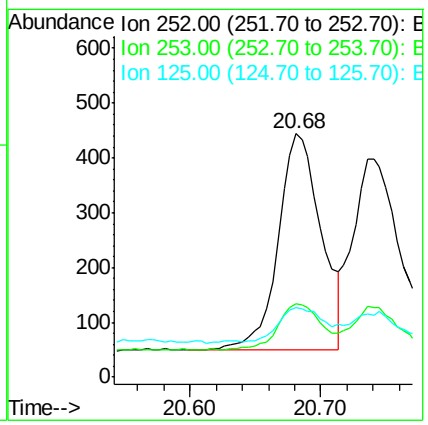
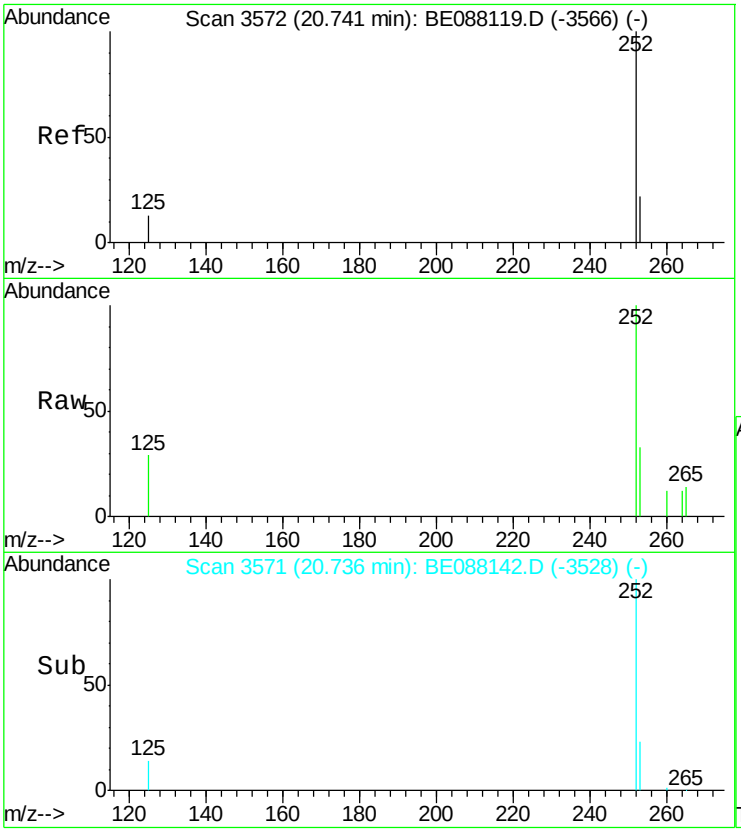


#23
Benzo(b)fluoranthene
Concen: 0.05 ng
RT: 20.68 min Scan# 3559
Delta R.T. -0.00 min
Lab File: BE088142.D
Acq: 21 Oct 2014 15:12

Tgt Ion:252 Resp: 902

Ion	Ratio	Lower	Upper
252	100		
253	30.0	17.4	26.0#
125	28.4	11.8	17.8#

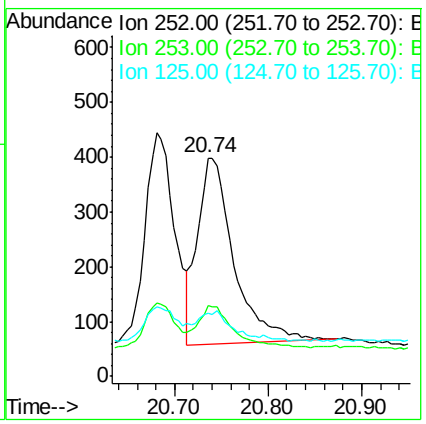




#24
Benzo(k)fluoranthene
Concen: 0.05 ng
RT: 20.74 min Scan# 3571
Delta R.T. -0.00 min
Lab File: BE088142.D
Acq: 21 Oct 2014 15:12

Tgt Ion:252 Resp: 912

Ion	Ratio	Lower	Upper
252	100		
253	32.7	17.6	26.4#
125	29.1	11.5	17.3#



Instrument :
BNA_E
ClientSampleId :
YS19-SW01-1014

Manual Integrations APPROVED
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10/22/2014 1:53:33 PM