

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088435.D
 Acq On : 31 Oct 2014 23:11
 Operator : TP/JJ
 Sample : F4351-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SW04P-1014

Manual Integrations
 APPROVED

mohammad
 11/4/2014 9:06:19 AM

Quant Time: Nov 02 03:20:49 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE103114.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 01 00:42:07 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	48938	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	185579	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	79090	5.00	ng	0.00
12) Phenanthrene-d10	12.92	188	124478	5.00	ng	0.02
16) Chrysene-d12	18.31	240	64088	5.00	ng	0.00
22) Perylene-d12	21.37	264	59404	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.77	82	97448	7.16	ng	0.00
8) 2-Fluorobiphenyl	9.99	172	161141	7.23	ng	0.00
18) Terphenyl-d14	16.08	244	97872	8.31	ng	0.00
Target Compounds						Qvalue
10) Acenaphthene	10.84	154	611	0.03	ng	83
14) Anthracene	13.04	178	3071m	0.03	ng	
15) Fluoranthene	15.19	202	447	0.02	ng	95
19) Benzo(a)anthracene	18.29	228	1880	0.03	ng	# 71
20) Chrysene	18.36	228	1372	0.02	ng	# 71
21) Indeno(1,2,3-cd)pyrene	23.54	276	1292m	0.02	ng	

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

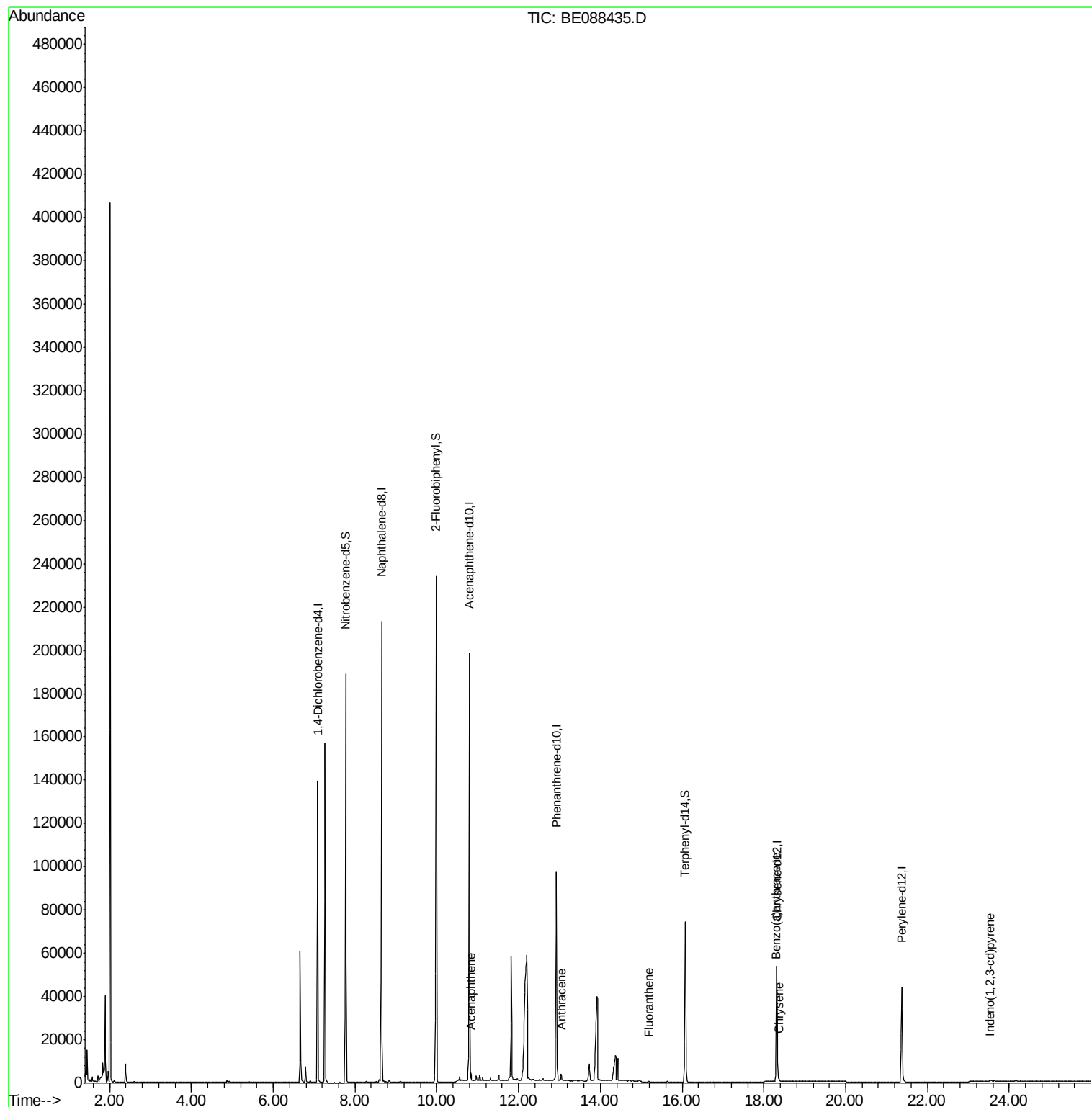
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088435.D
Acq On : 31 Oct 2014 23:11
Operator : TP/JJ
Sample : F4351-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

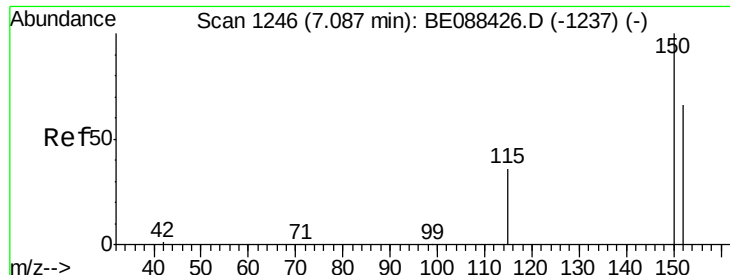
Instrument :
BNA_E
ClientSampleId :
YS19-SW04P-1014

Manual Integrations
APPROVED

mohammad
11/4/2014 9:06:19 AM

Quant Time: Nov 02 03:20:49 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE103114.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 01 00:42:07 2014
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.09 min Scan# 1246

Delta R.T. -0.00 min

Lab File: BE088435.D

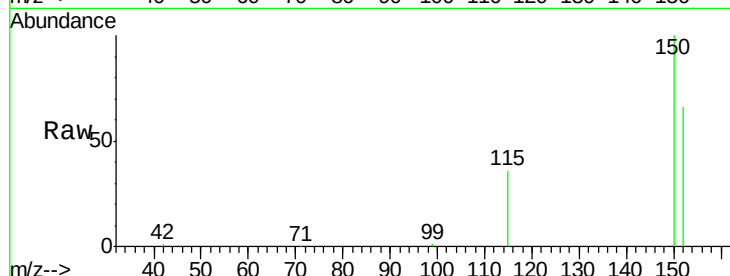
Acq: 31 Oct 2014 23:11

Instrument :

BNA_E

ClientSampleId :

YS19-SW04P-1014



Tgt Ion:152 Resp: 48938

Ion Ratio Lower Upper

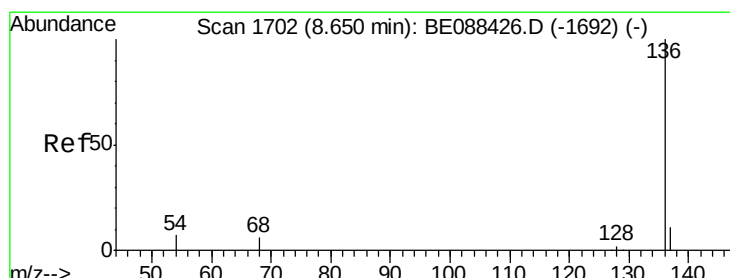
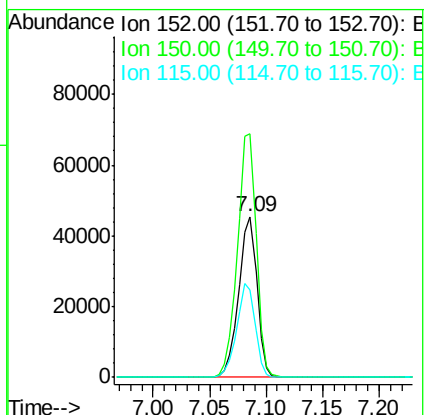
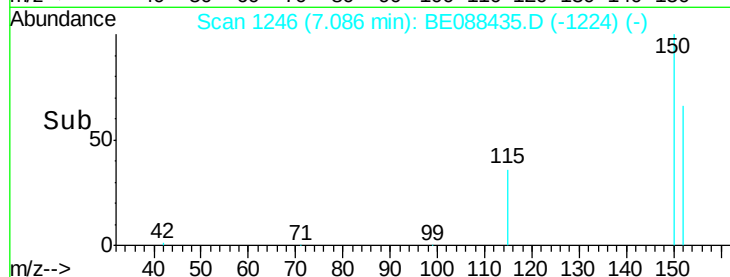
152 100

150 151.5 121.8 182.8

115 54.3 43.9 65.9

Manual Integrations
APPROVED

mohammad
11/4/2014 9:06:19 AM



#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.65 min Scan# 1702

Delta R.T. -0.00 min

Lab File: BE088435.D

Acq: 31 Oct 2014 23:11

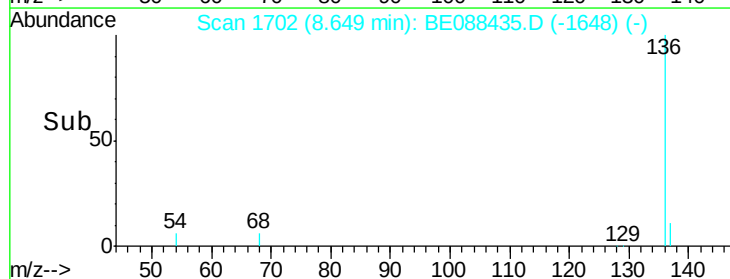
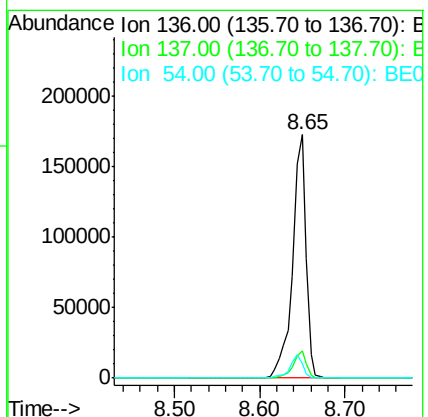
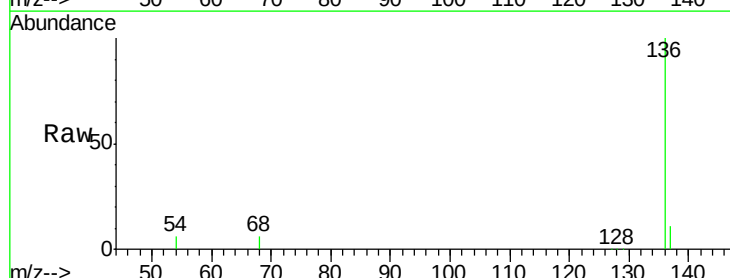
Tgt Ion:136 Resp: 185579

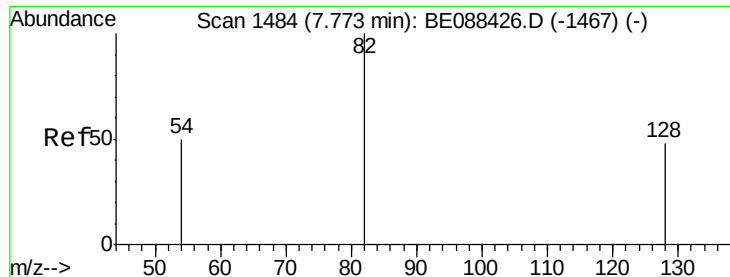
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 6.0 5.3 7.9





#4

Nitrobenzene-d5

Concen: 7.16 ng

RT: 7.77 min Scan# 1484

Delta R.T. -0.00 min

Lab File: BE088435.D

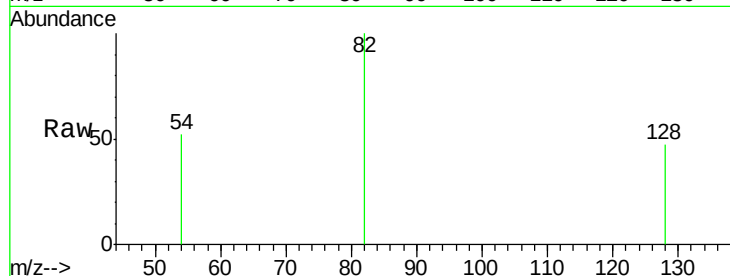
Acq: 31 Oct 2014 23:11

Instrument :

BNA_E

ClientSampleId :

YS19-SW04P-1014



Tgt Ion: 82 Resp: 97448

Ion Ratio Lower Upper

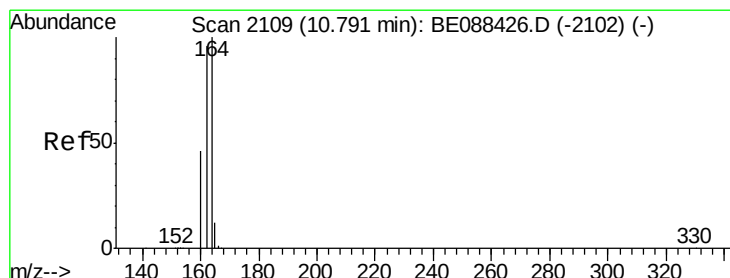
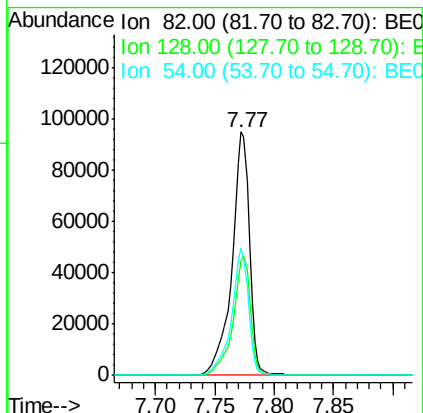
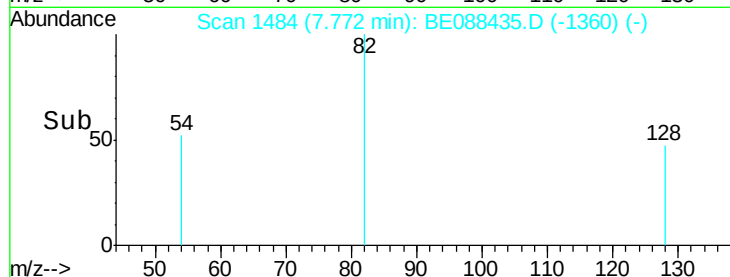
82 100

128 47.2 38.4 57.6

54 52.1 40.2 60.2

Manual Integrations
APPROVED

mohammad
11/4/2014 9:06:19 AM



#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.79 min Scan# 2109

Delta R.T. 0.00 min

Lab File: BE088435.D

Acq: 31 Oct 2014 23:11

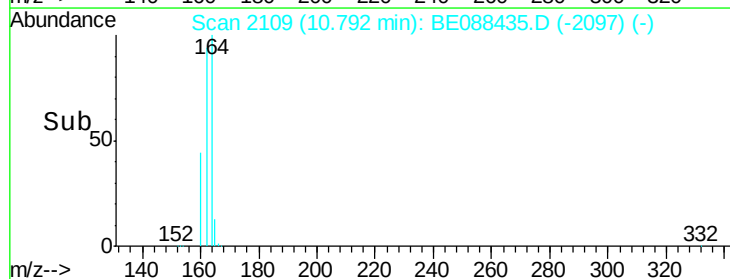
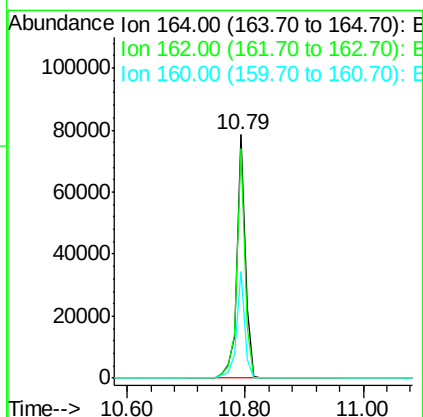
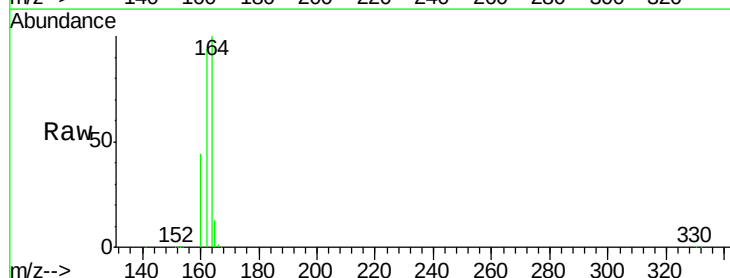
Tgt Ion: 164 Resp: 79090

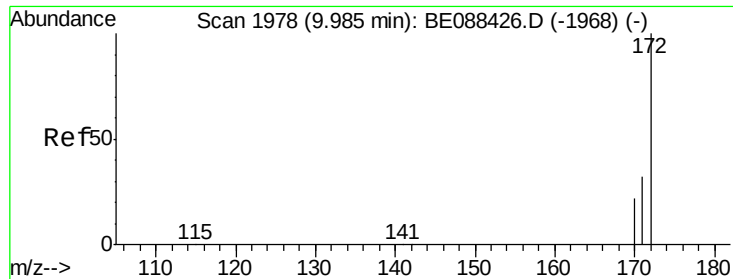
Ion Ratio Lower Upper

164 100

162 94.1 77.0 115.4

160 44.0 36.8 55.2





#8

2-Fluorobiphenyl

Concen: 7.23 ng

RT: 9.99 min Scan# 1978

Delta R.T. 0.00 min

Lab File: BE088435.D

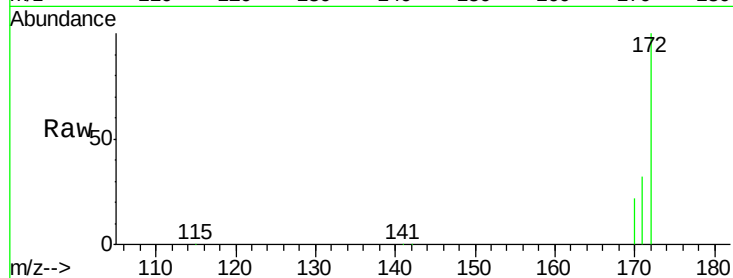
Acq: 31 Oct 2014 23:11

Instrument :

BNA_E

ClientSampleId :

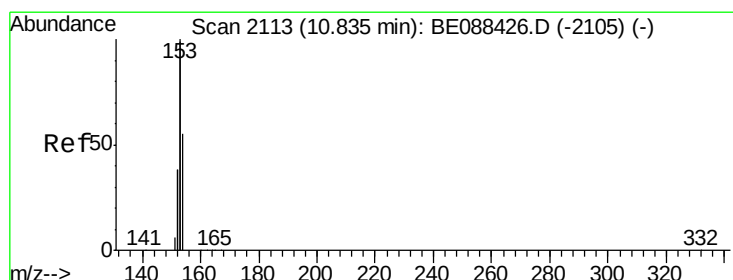
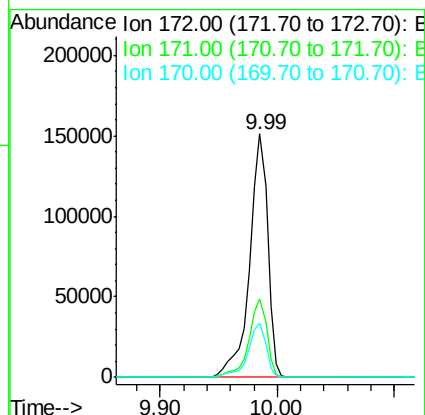
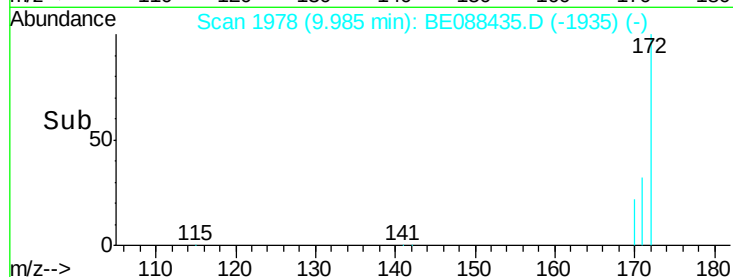
YS19-SW04P-1014



Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.2	26.0	39.0
170	22.0	17.6	26.4

Manual Integrations
APPROVED

mohammad
11/4/2014 9:06:19 AM



#10

Acenaphthene

Concen: 0.03 ng

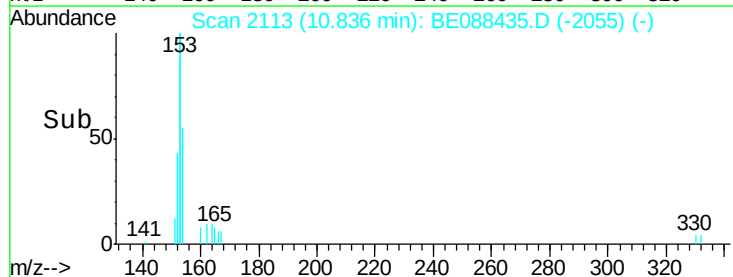
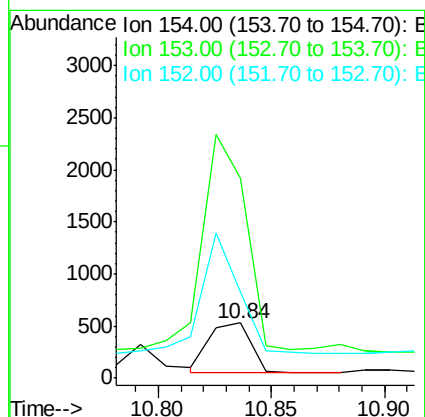
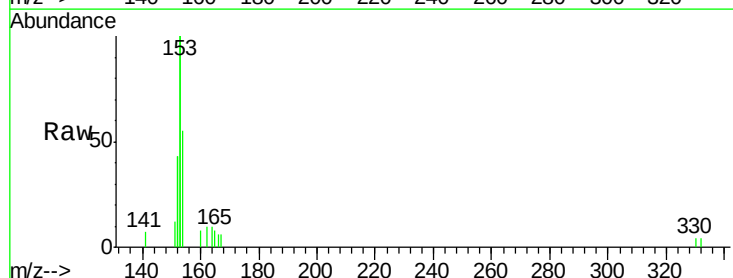
RT: 10.84 min Scan# 2113

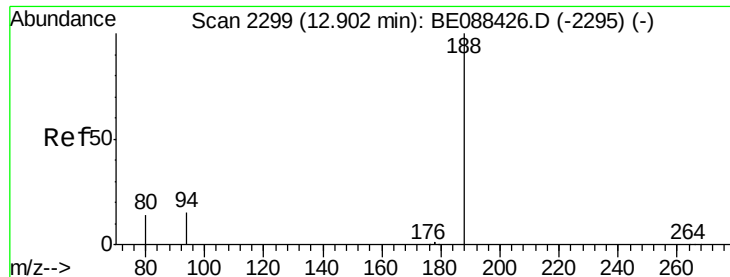
Delta R.T. 0.00 min

Lab File: BE088435.D

Acq: 31 Oct 2014 23:11

Tgt Ion	Ratio	Lower	Upper
154	100		
153	446.8	324.3	486.5
152	218.5	154.9	232.3





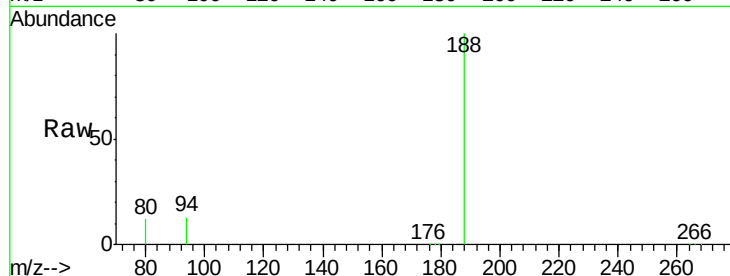
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.92 min Scan# 2301
Delta R.T. 0.02 min
Lab File: BE088435.D
Acq: 31 Oct 2014 23:11

Instrument :
BNA_E
ClientSampleId :
YS19-SW04P-1014

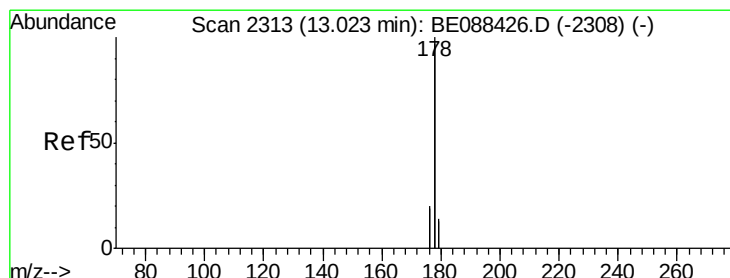
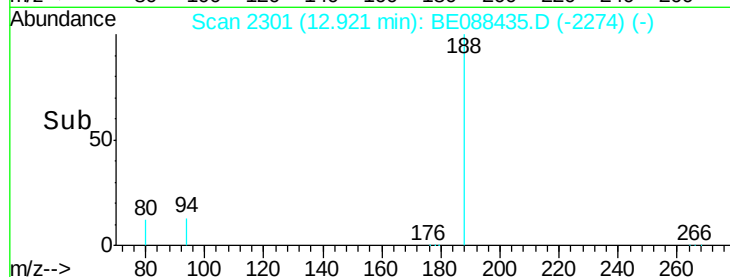
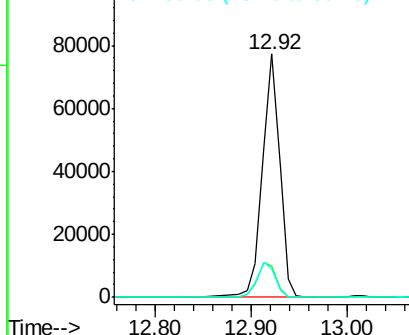
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	124478		
94	13.0		11.8	17.8
80	11.6		10.9	16.3

Manual Integrations
APPROVED

mohammad
11/4/2014 9:06:19 AM

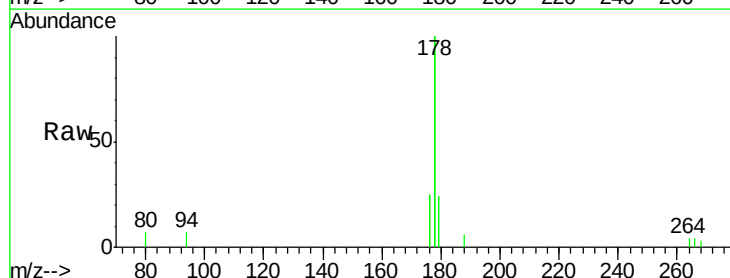


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

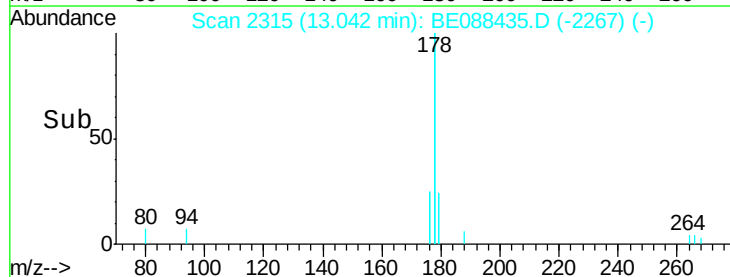
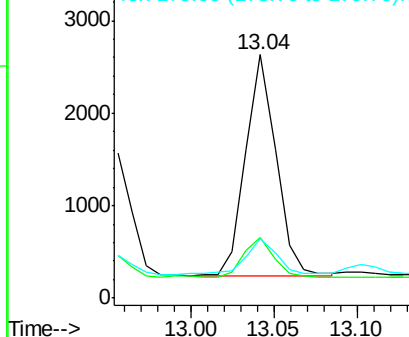


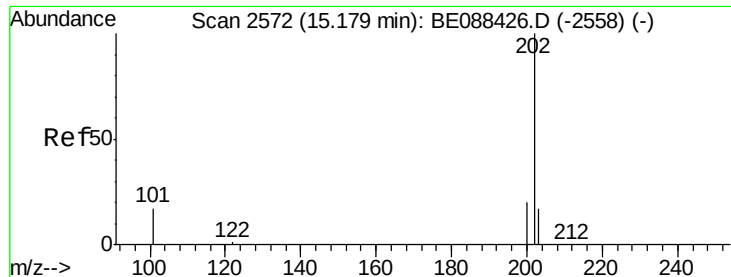
#14
Anthracene
Concen: 0.03 ng m
RT: 13.04 min Scan# 2315
Delta R.T. 0.02 min
Lab File: BE088435.D
Acq: 31 Oct 2014 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	3071		
176	22.5		15.0	22.4#
179	14.6		12.5	18.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.02 ng

RT: 15.19 min Scan# 2574

Delta R.T. 0.01 min

Lab File: BE088435.D

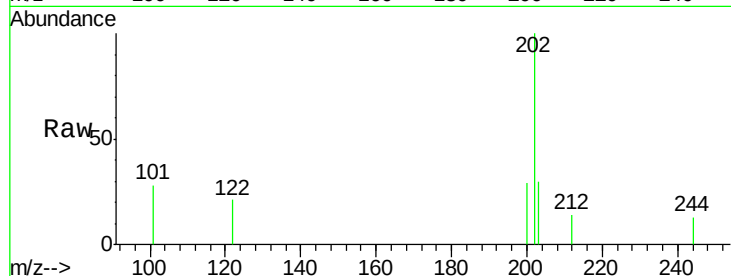
Acq: 31 Oct 2014 23:11

Instrument :

BNA_E

ClientSampleId :

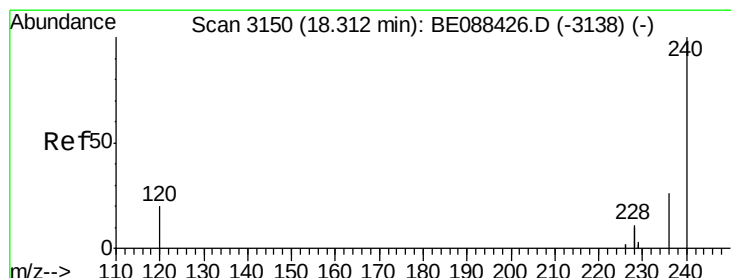
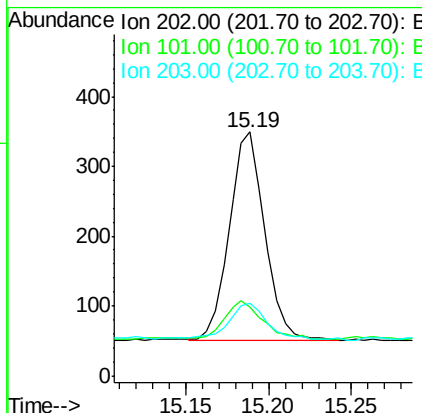
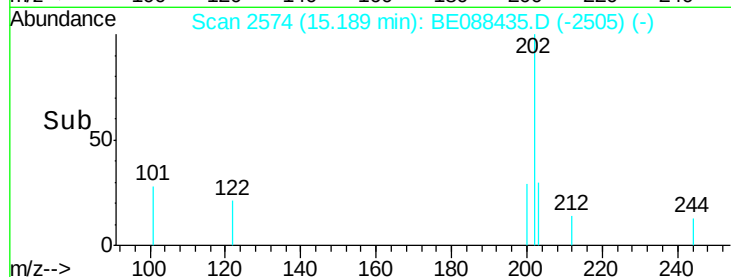
YS19-SW04P-1014



Tgt Ion	Ratio	Lower	Upper
202	100		
101	19.9	14.3	21.5
203	19.2	13.6	20.4

Manual Integrations
APPROVED

mohammad
11/4/2014 9:06:19 AM



#16

Chrysene-d12

Concen: 5.00 ng

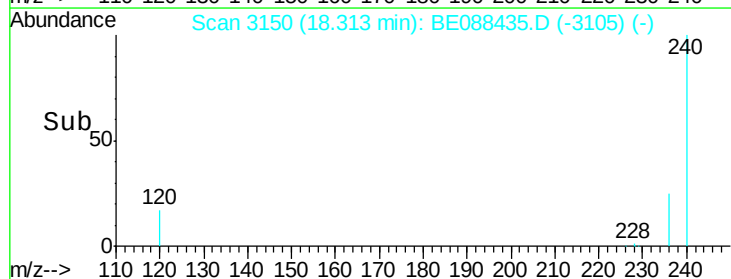
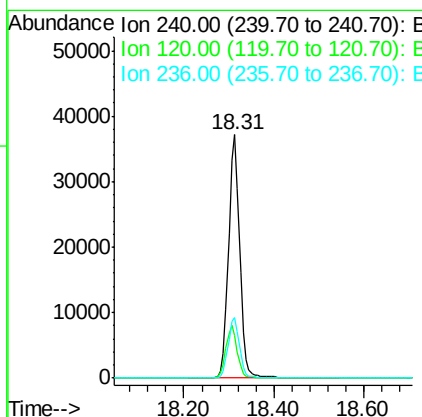
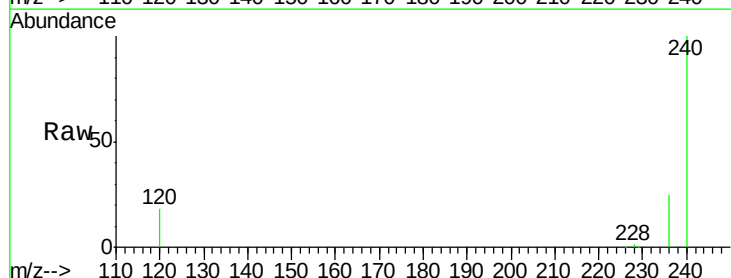
RT: 18.31 min Scan# 3150

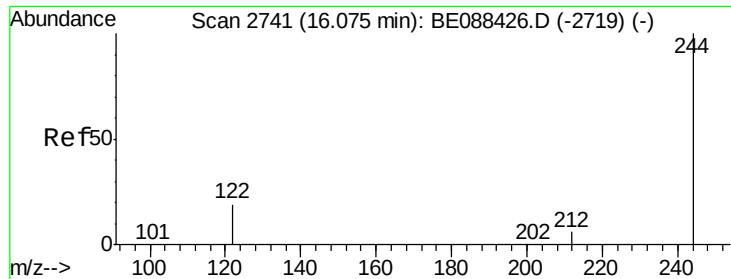
Delta R.T. 0.00 min

Lab File: BE088435.D

Acq: 31 Oct 2014 23:11

Tgt Ion	Ratio	Lower	Upper
240	100		
120	17.6	16.4	24.6
236	25.1	20.5	30.7





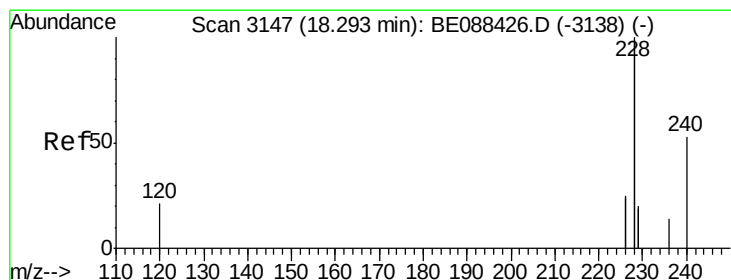
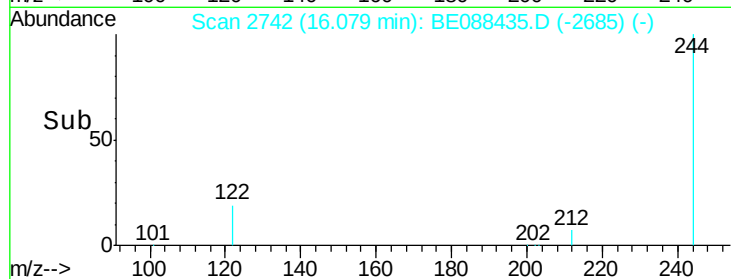
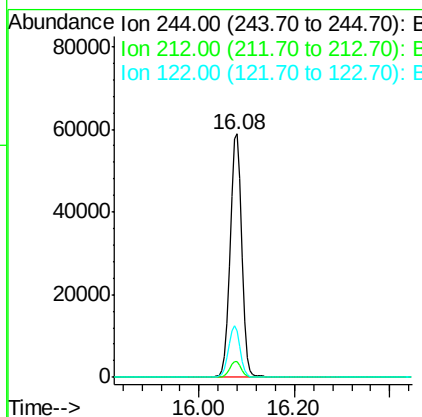
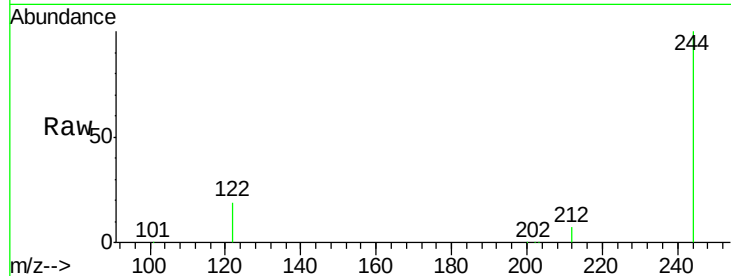
#18
 Terphenyl-d14
 Concen: 8.31 ng
 RT: 16.08 min Scan# 2742
 Delta R.T. 0.00 min
 Lab File: BE088435.D
 Acq: 31 Oct 2014 23:11

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SW04P-1014

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.5	8.3
122	19.1	15.6	23.4

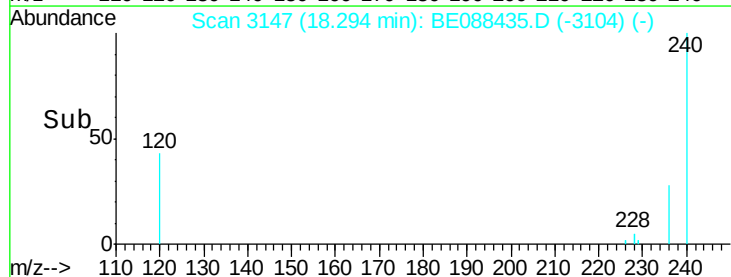
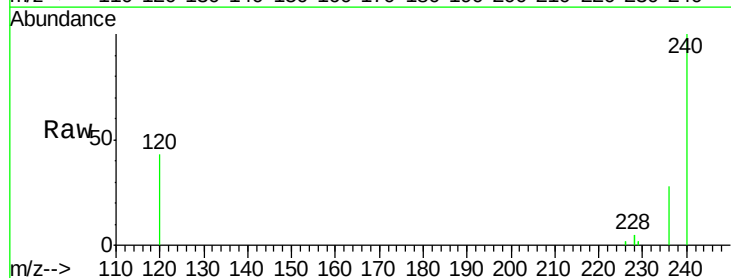
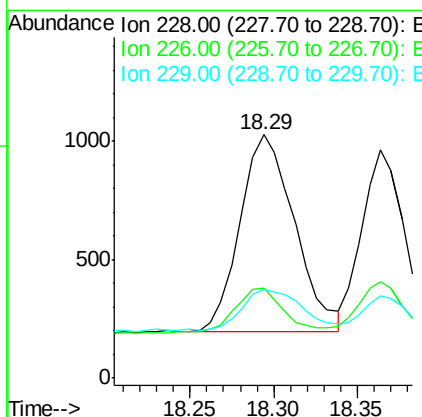
Manual Integrations
 APPROVED

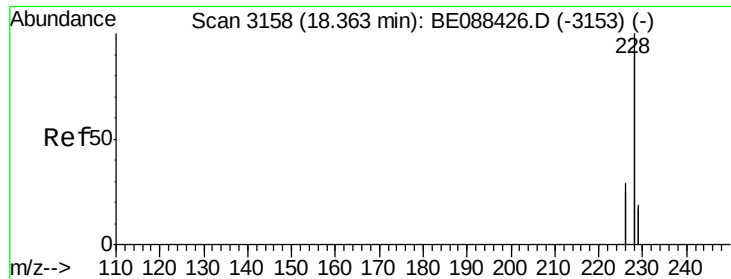
mohammad
 11/4/2014 9:06:19 AM



#19
 Benzo(a)anthracene
 Concen: 0.03 ng
 RT: 18.29 min Scan# 3147
 Delta R.T. 0.00 min
 Lab File: BE088435.D
 Acq: 31 Oct 2014 23:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.8	19.8	29.6#
229	36.4	16.0	24.0#





#20

Chrysene

Concen: 0.02 ng

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088435.D

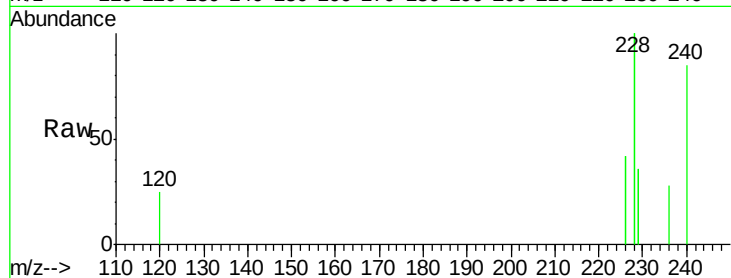
Acq: 31 Oct 2014 23:11

Instrument :

BNA_E

ClientSampleId :

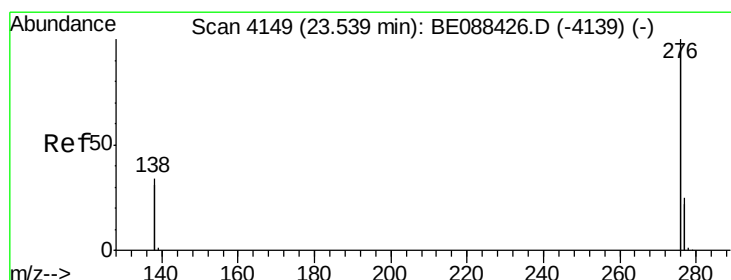
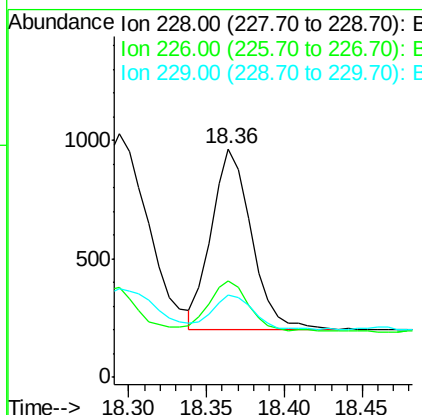
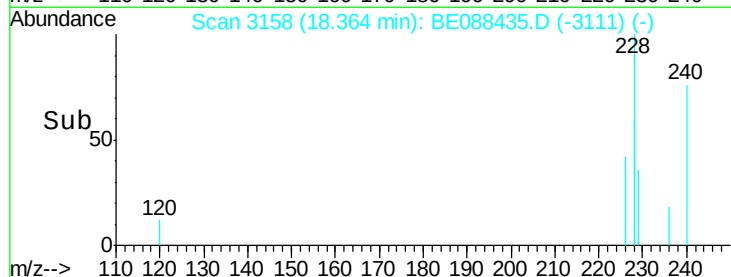
YS19-SW04P-1014



Tgt Ion:	228	Resp:	1372
Ion Ratio	Lower	Upper	
228	100		
226	42.3	23.6	35.4#
229	36.3	15.4	23.2#

Manual Integrations
APPROVED

mohammad
11/4/2014 9:06:19 AM



#21

Indeno(1,2,3-cd)pyrene

Concen: 0.02 ng m

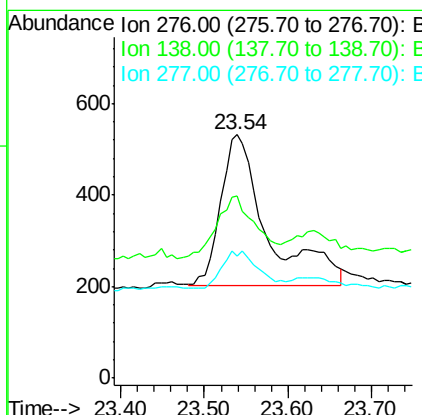
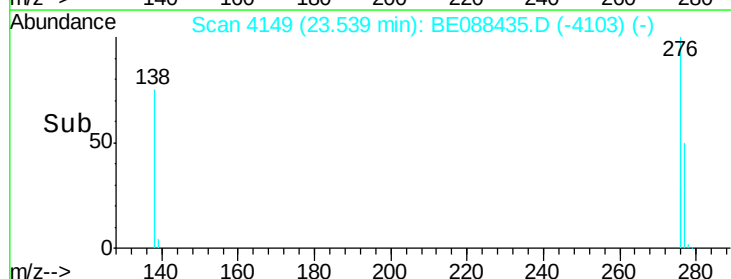
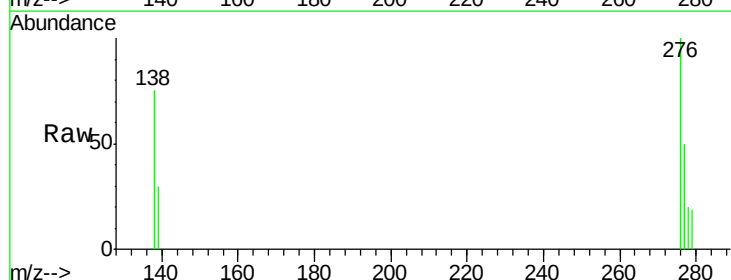
RT: 23.54 min Scan# 4149

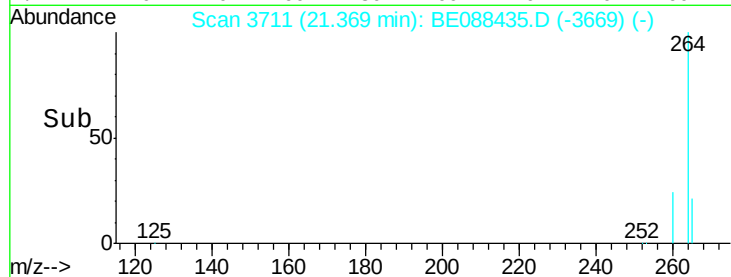
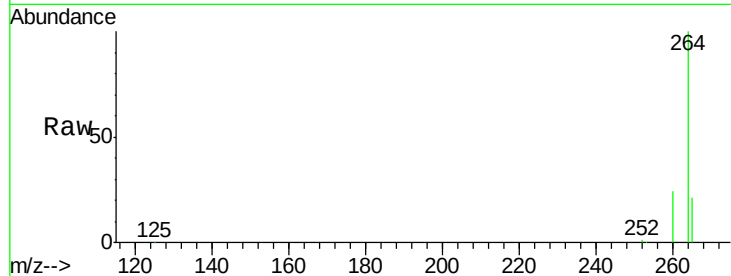
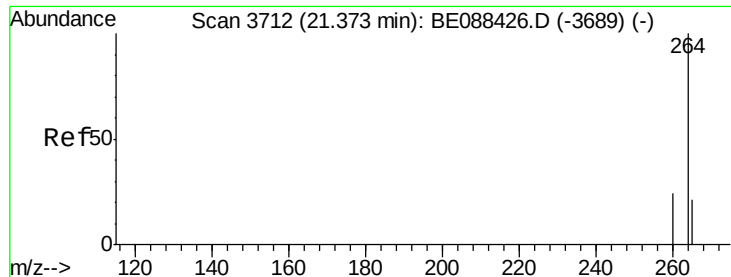
Delta R.T. 0.00 min

Lab File: BE088435.D

Acq: 31 Oct 2014 23:11

Tgt Ion:	276	Resp:	1292
Ion Ratio	Lower	Upper	
276	100		
138	34.4	20.2	30.2#
277	20.4	14.8	22.2





#22
Perylene-d12
Concen: 5.00 ng
RT: 21.37 min Scan# 3711
Delta R.T. -0.00 min
Lab File: BE088435.D
Acq: 31 Oct 2014 23:11

Instrument :
BNA_E
ClientSampleId :
YS19-SW04P-1014

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.9	28.3
265	21.2	17.2	25.8

Manual Integrations
APPROVED

mohammad
11/4/2014 9:06:19 AM

