

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102714\
 Data File : BE088318.D
 Acq On : 27 Oct 2014 18:01
 Operator : TP/JJ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

Manual Integrations
 APPROVED

mohammad
 10/29/2014 11:11:10 AM

Quant Time: Oct 28 10:07:43 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102714.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 28 01:17:45 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.11	152	38292	5.00	ng	0.00
3) Naphthalene-d8	8.67	136	154889	5.00	ng	0.00
7) Acenaphthene-d10	10.81	164	80744	5.00	ng	0.00
12) Phenanthrene-d10	12.93	188	174071	5.00	ng	0.00
16) Chrysene-d12	18.34	240	116683	5.00	ng	0.00
22) Perylene-d12	21.41	264	95800	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.79	82	2310	0.24	ng	0.00
8) 2-Fluorobiphenyl	10.00	172	4890	0.22	ng	0.00
18) Terphenyl-d14	16.11	244	4573	0.24	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.29	88	1099	0.21	ng	97
5) Naphthalene	8.70	128	6834	0.22	ng	98
6) 2-Methylnaphthalene	9.55	142	4446	0.23	ng	99
9) Acenaphthylene	10.64	152	29751	0.25	ng	98
10) Acenaphthene	10.85	154	4560	0.24	ng	93
11) Fluorene	11.52	166	5070	0.26	ng	98
13) Phenanthrene	12.96	178	30873m	0.19	ng	
14) Anthracene	13.05	178	29954	0.24	ng	99
15) Fluoranthene	15.20	202	6755	0.26	ng	100
17) Pyrene	15.66	202	7238	0.23	ng	100
19) Benzo(a)anthracene	18.33	228	23458	0.25	ng	98
20) Chrysene	18.40	228	22387	0.22	ng	98
21) Indeno(1,2,3-cd)pyrene	23.58	276	18802m	0.24	ng	
23) Benzo(b)fluoranthene	20.64	252	5035m	0.31	ng	
24) Benzo(k)fluoranthene	20.70	252	5295	0.22	ng	97
25) Benzo(a)pyrene	21.28	252	4549	0.29	ng	97
26) Dibenzo(a,h)anthracene	23.68	278	3713	0.25	ng	95
27) Benzo(g,h,i)perylene	24.20	276	16554	0.22	ng	95

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

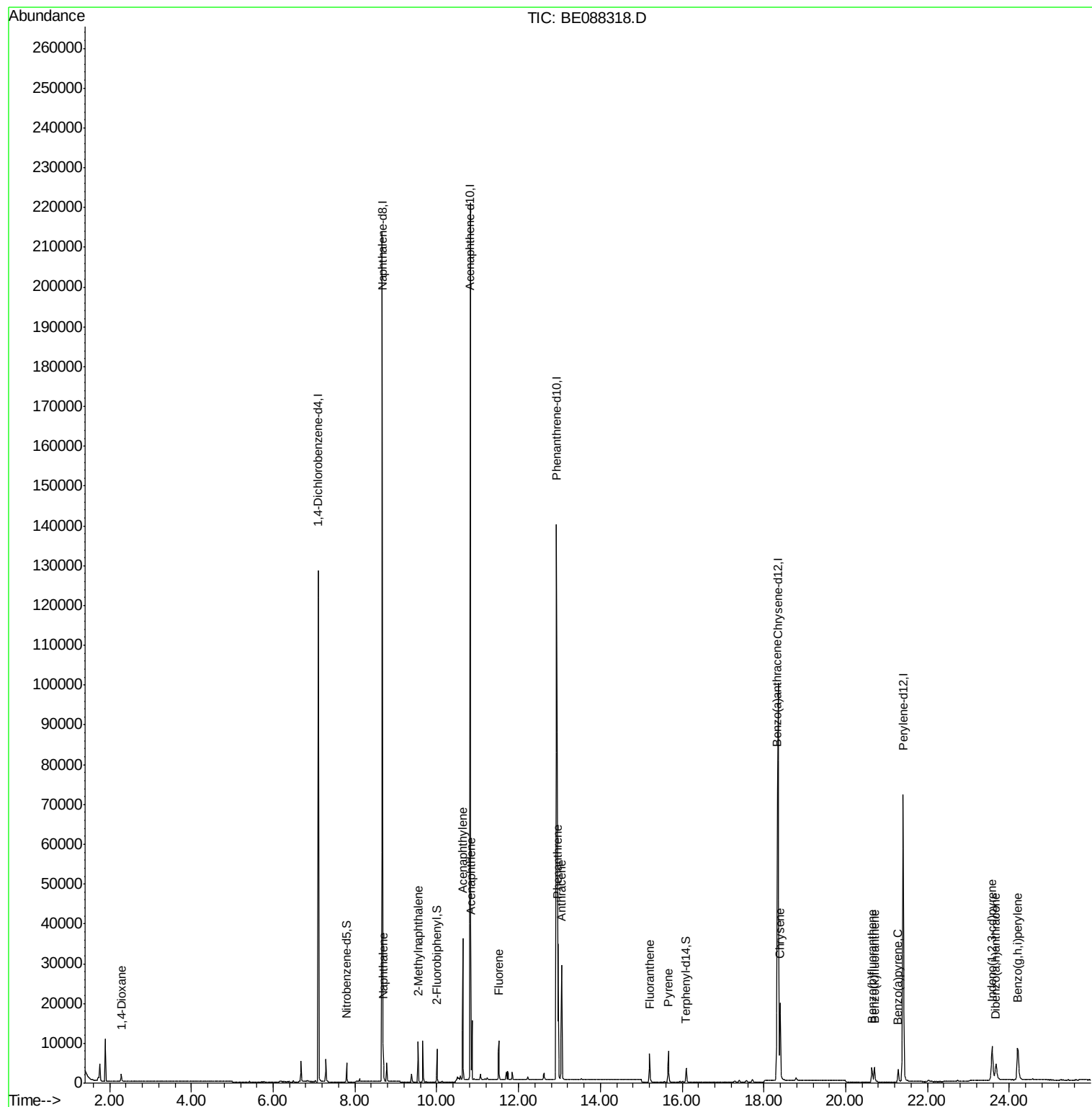
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102714\
Data File : BE088318.D
Acq On : 27 Oct 2014 18:01
Operator : TP/JJ
Sample : SSTDICC0.2
Misc :
ALS Vial : 4 Sample Multiplier: 1

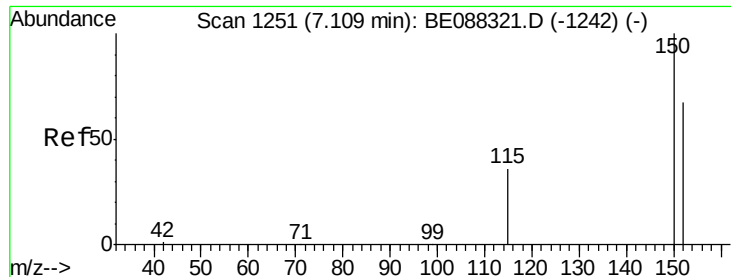
Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations
APPROVED

mohammad
10/29/2014 11:11:10 AM

Quant Time: Oct 28 10:07:43 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102714.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 28 01:17:45 2014
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.11 min Scan# 1251

Delta R.T. -0.00 min

Lab File: BE088318.D

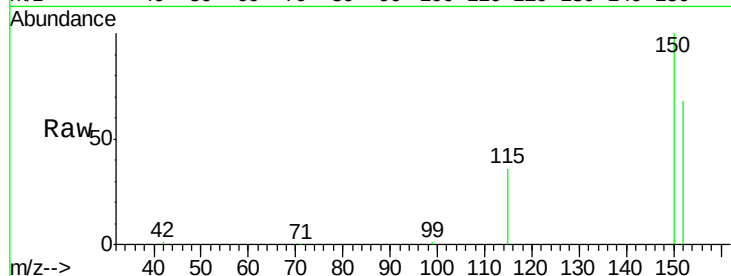
Acq: 27 Oct 2014 18:01

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.2



Tgt Ion: 152 Resp: 38292

Ion Ratio Lower Upper

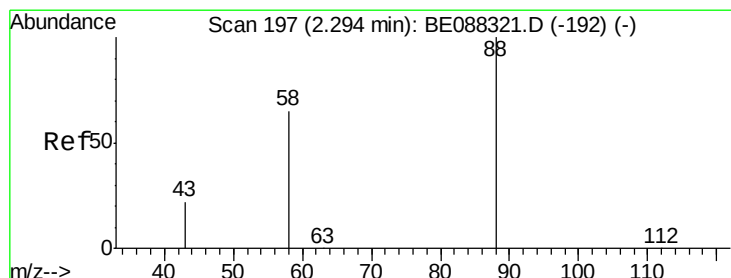
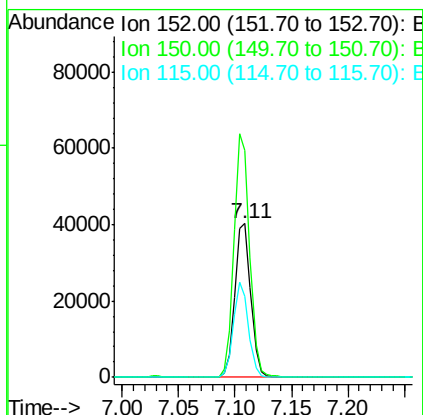
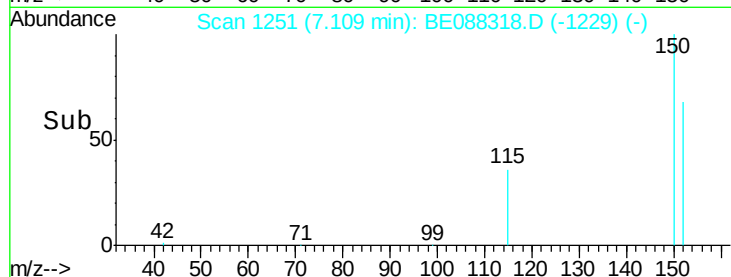
152 100

150 147.9 119.3 178.9

115 52.9 42.6 64.0

Manual Integrations
APPROVED

mohammad
10/29/2014 11:11:10 AM



#2

1,4-Dioxane

Concen: 0.21 ng

RT: 2.29 min Scan# 196

Delta R.T. -0.00 min

Lab File: BE088318.D

Acq: 27 Oct 2014 18:01

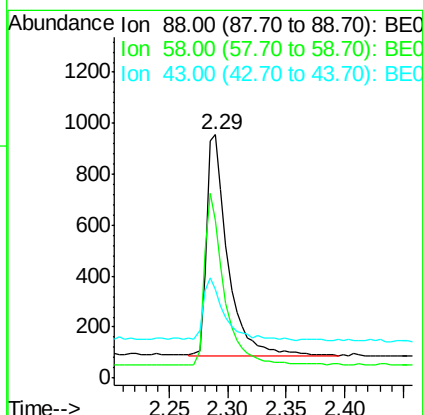
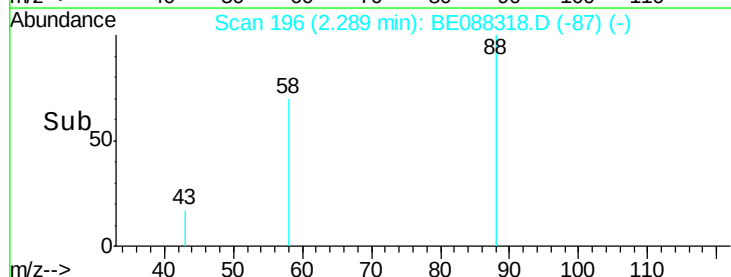
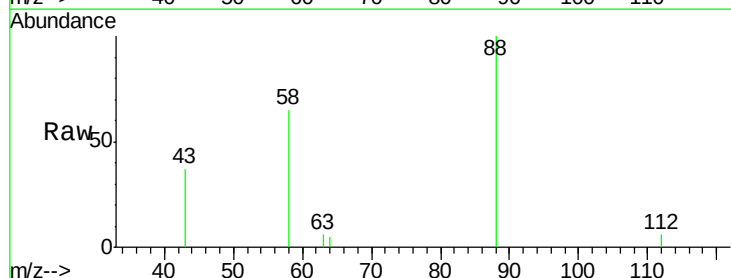
Tgt Ion: 88 Resp: 1099

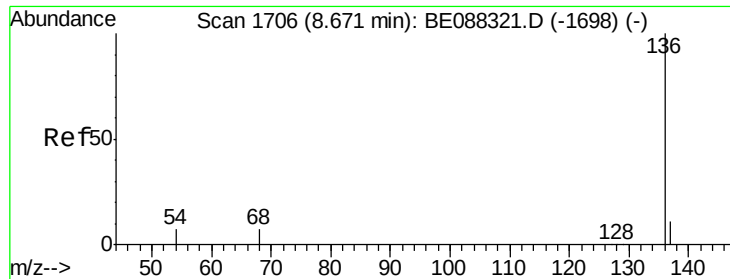
Ion Ratio Lower Upper

88 100

58 72.0 59.4 89.0

43 28.1 21.4 32.2





#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.67 min Scan# 1706

Delta R.T. -0.00 min

Lab File: BE088318.D

Acq: 27 Oct 2014 18:01

Instrument :

BNA_E

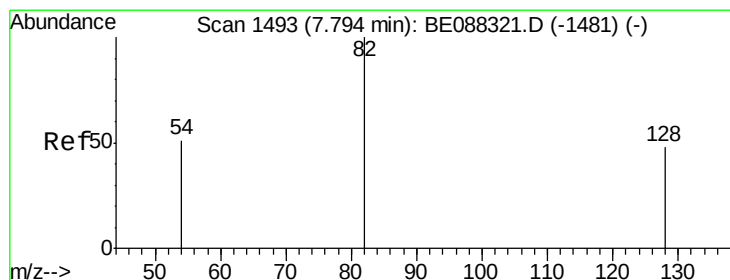
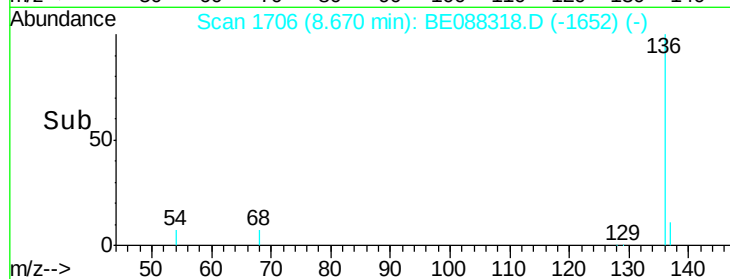
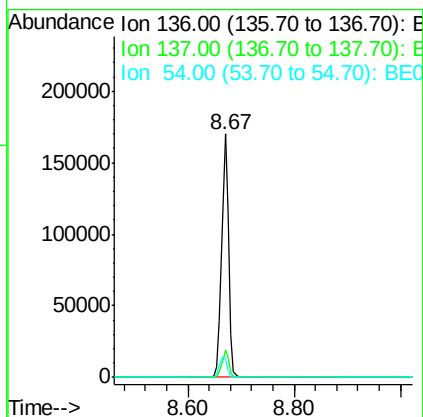
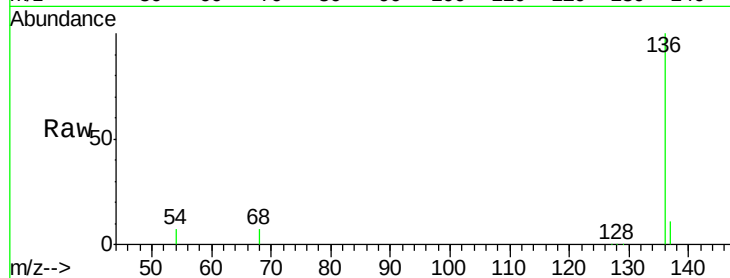
ClientSampleId :

SSTDIC0.2

Tgt Ion:	136	Resp:	154889
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.8	13.2
54	7.4	5.5	8.3

Manual Integrations
APPROVED

mohammad
10/29/2014 11:11:10 AM



#4

Nitrobenzene-d5

Concen: 0.24 ng

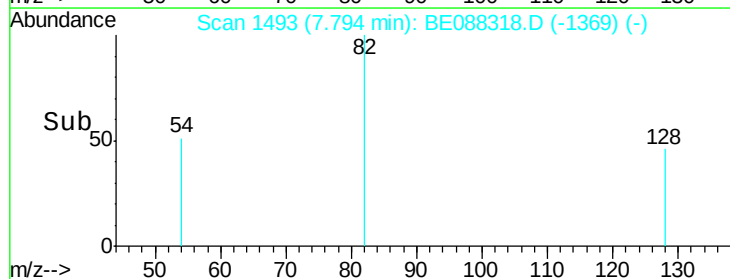
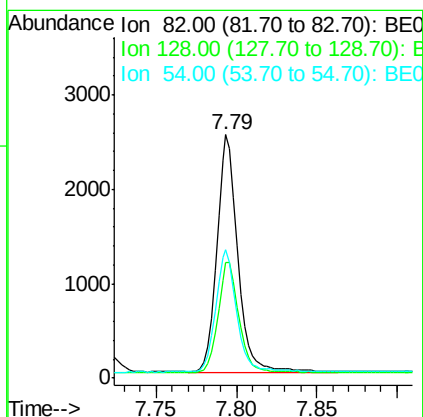
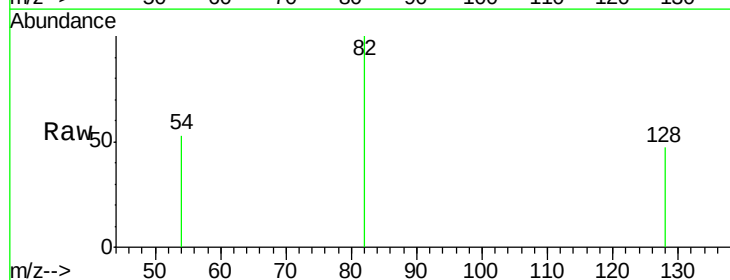
RT: 7.79 min Scan# 1493

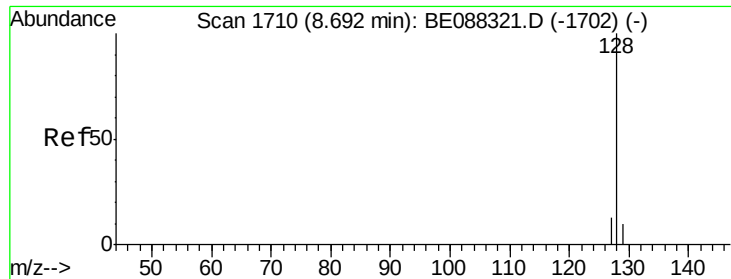
Delta R.T. -0.00 min

Lab File: BE088318.D

Acq: 27 Oct 2014 18:01

Tgt Ion:	82	Resp:	2310
Ion Ratio	Lower	Upper	
82	100		
128	47.4	38.7	58.1
54	52.6	41.0	61.4





#5

Naphthalene

Concen: 0.22 ng

RT: 8.70 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BE088318.D

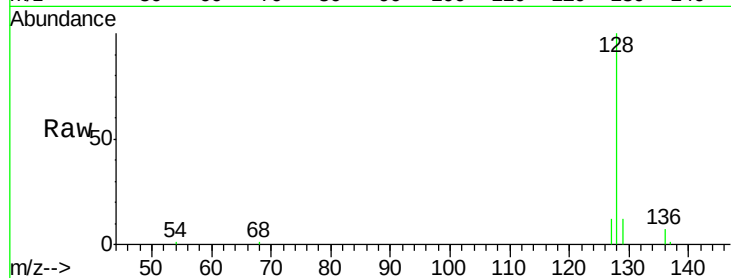
Acq: 27 Oct 2014 18:01

Instrument :

BNA_E

ClientSampleId :

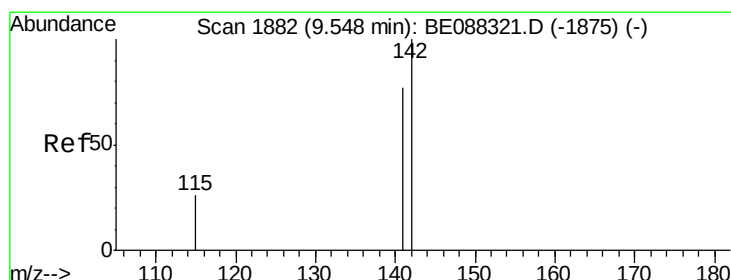
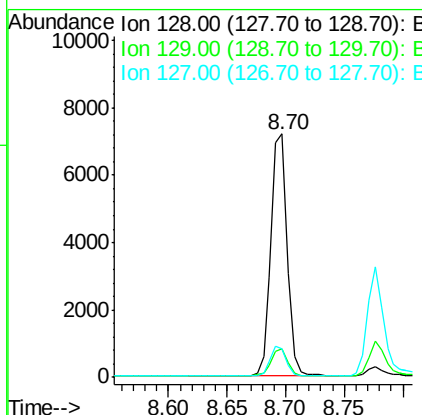
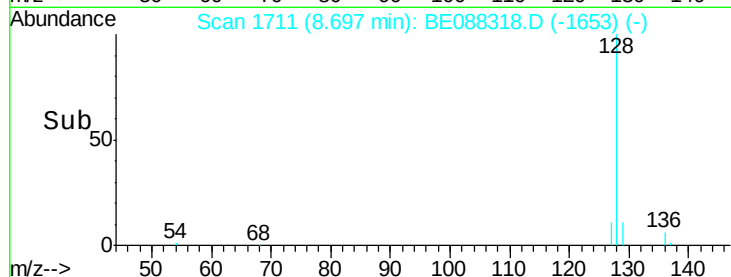
SSTDICC0.2



Tgt Ion:	128	Resp:	6834
Ion Ratio	Lower	Upper	
128	100		
129	11.7	8.5	12.7
127	11.9	10.2	15.2

Manual Integrations
APPROVED

mohammad
10/29/2014 11:11:10 AM



#6

2-Methylnaphthalene

Concen: 0.23 ng

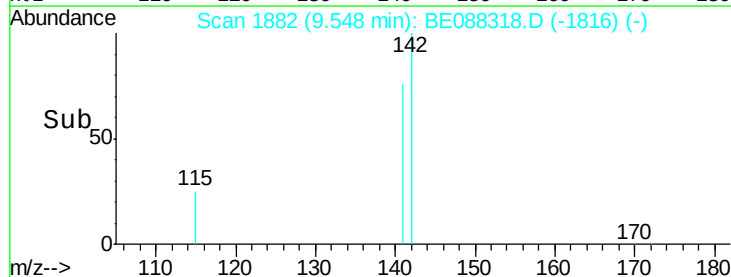
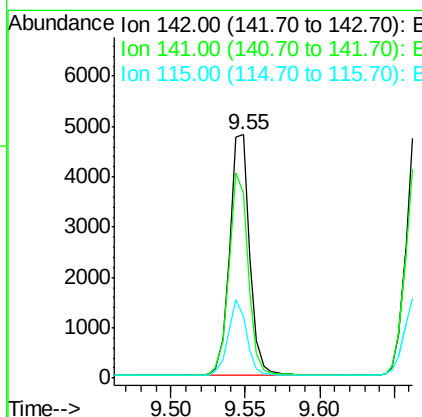
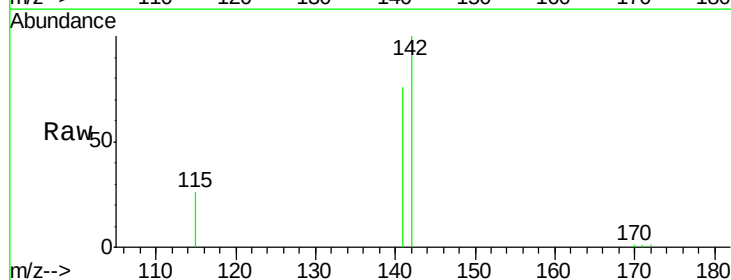
RT: 9.55 min Scan# 1882

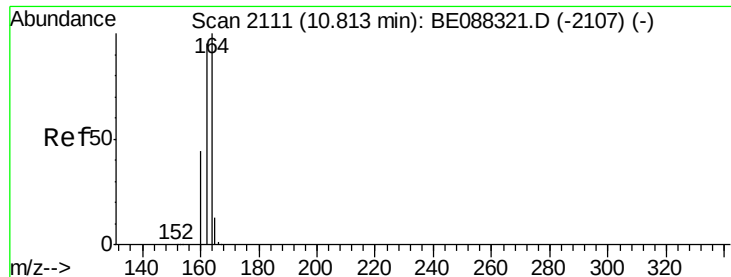
Delta R.T. 0.00 min

Lab File: BE088318.D

Acq: 27 Oct 2014 18:01

Tgt Ion:	142	Resp:	4446
Ion Ratio	Lower	Upper	
142	100		
141	75.8	61.4	92.0
115	25.6	21.0	31.6





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.81 min Scan# 2111

Delta R.T. 0.00 min

Lab File: BE088318.D

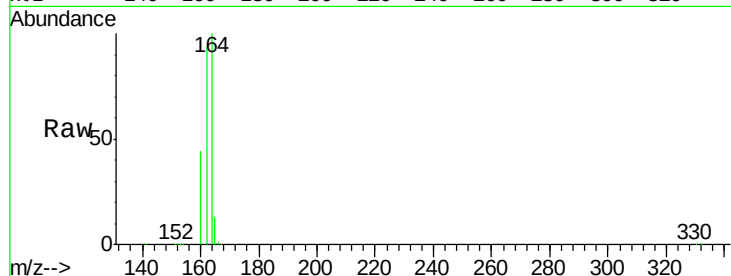
Acq: 27 Oct 2014 18:01

Instrument :

BNA_E

ClientSampleId :

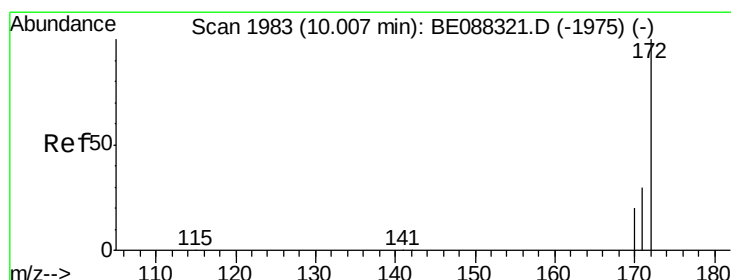
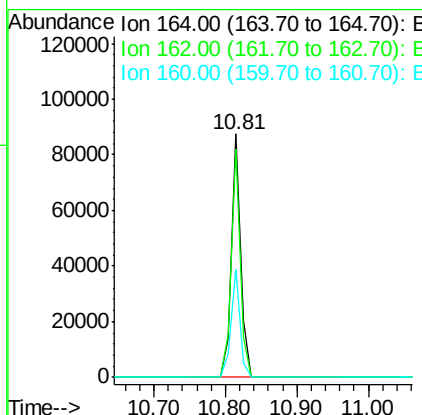
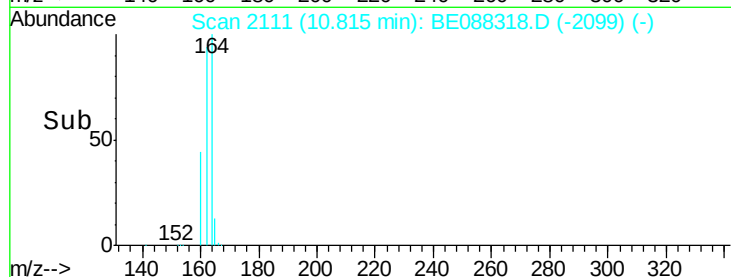
SSTDICC0.2



Tgt Ion:	164	Resp:	80744
Ion Ratio	Lower	Upper	
164	100		
162	93.8	75.7	113.5
160	44.2	35.6	53.4

Manual Integrations
APPROVED

mohammad
10/29/2014 11:11:10 AM



#8

2-Fluorobiphenyl

Concen: 0.22 ng

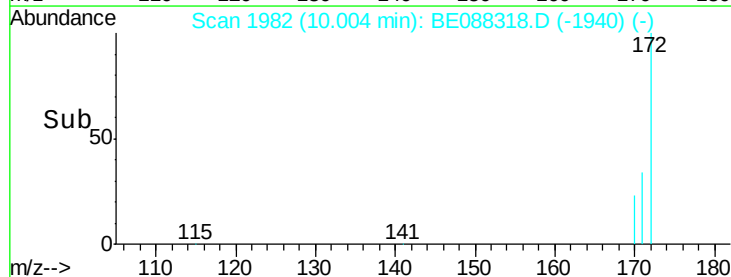
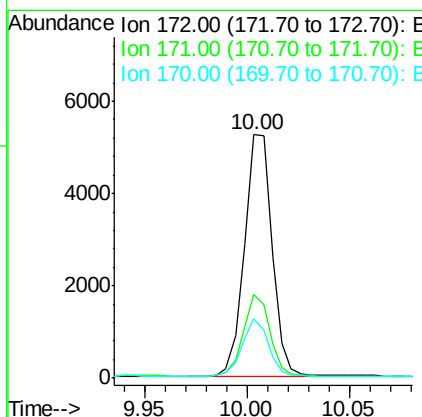
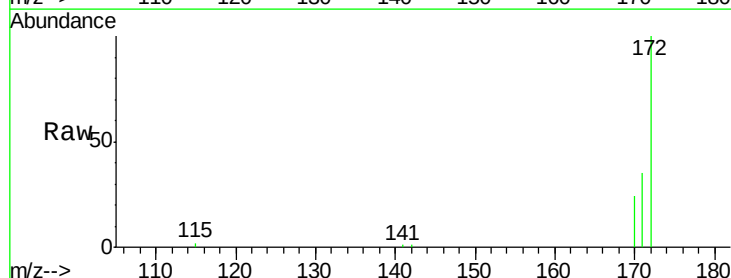
RT: 10.00 min Scan# 1982

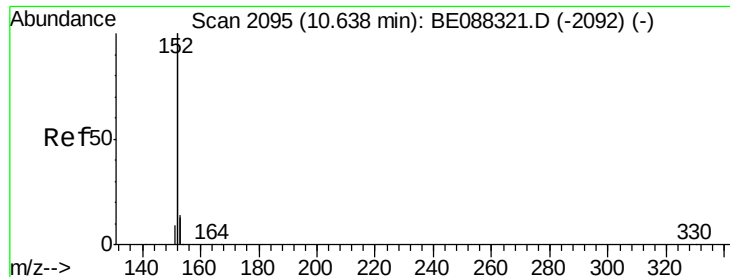
Delta R.T. -0.00 min

Lab File: BE088318.D

Acq: 27 Oct 2014 18:01

Tgt Ion:	172	Resp:	4890
Ion Ratio	Lower	Upper	
172	100		
171	34.5	24.5	36.7
170	24.2	15.8	23.6





#9

Acenaphthylene

Concen: 0.25 ng

RT: 10.64 min Scan# 2095

Delta R.T. 0.00 min

Lab File: BE088318.D

Acq: 27 Oct 2014 18:01

Instrument :

BNA_E

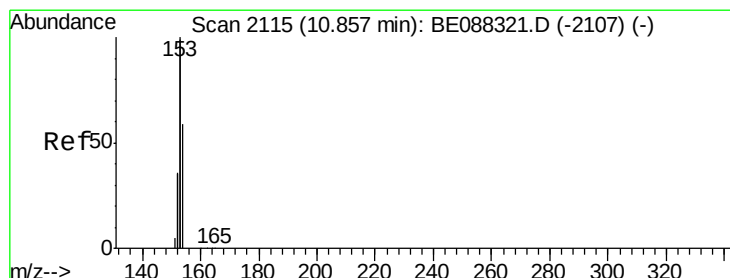
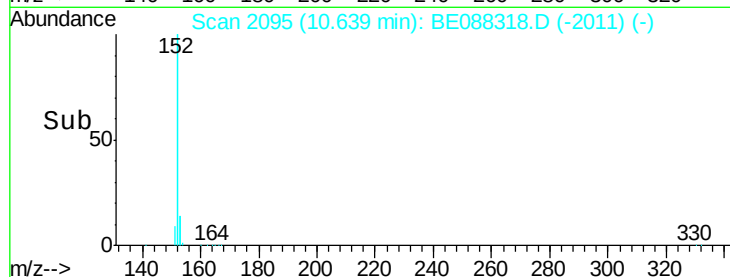
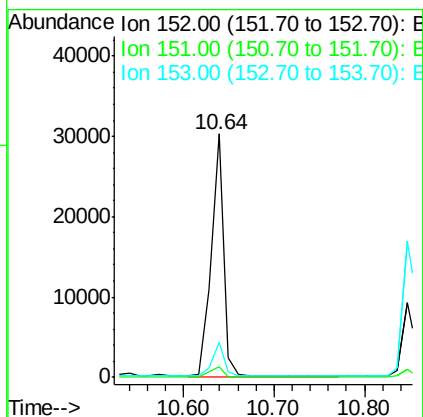
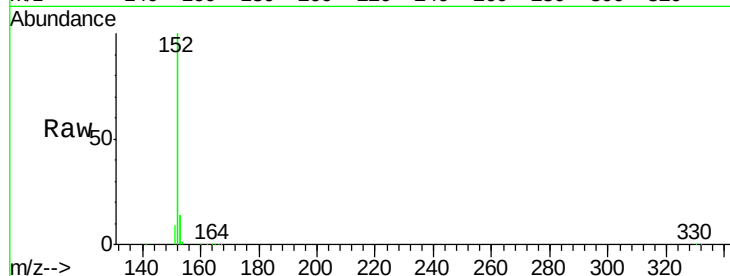
ClientSampleId :

SSTDICC0.2

Tgt Ion:	152	Resp:	29751
Ion Ratio	Lower	Upper	
152	100		
151	4.4	3.7	5.5
153	14.0	10.5	15.7

Manual Integrations
APPROVED

mohammad
10/29/2014 11:11:10 AM



#10

Acenaphthene

Concen: 0.24 ng

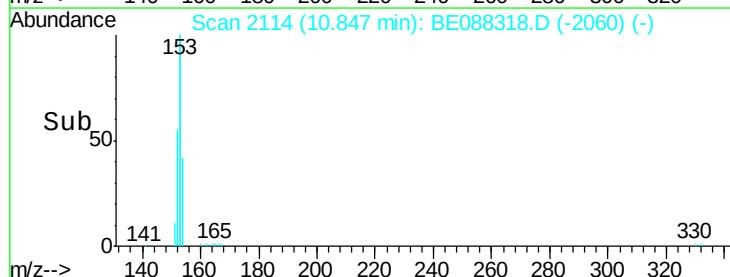
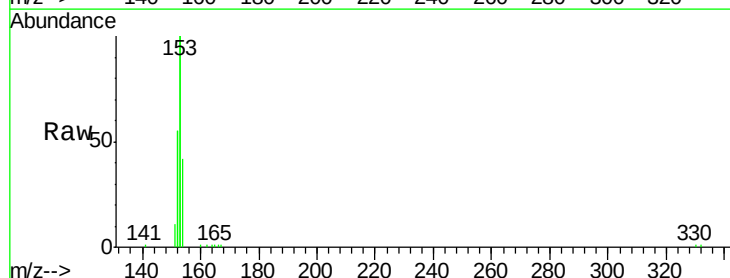
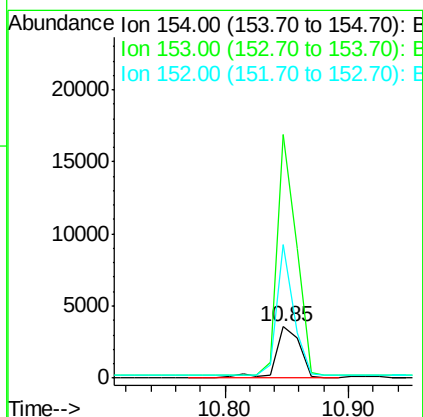
RT: 10.85 min Scan# 2114

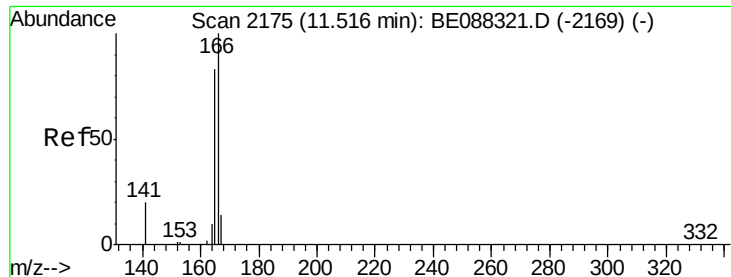
Delta R.T. -0.01 min

Lab File: BE088318.D

Acq: 27 Oct 2014 18:01

Tgt Ion:	154	Resp:	4560
Ion Ratio	Lower	Upper	
154	100		
153	384.7	323.8	485.6
152	189.6	154.8	232.2





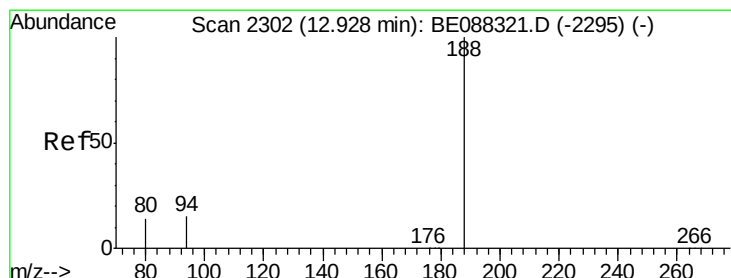
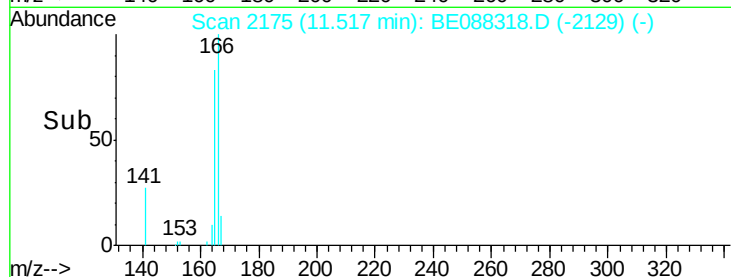
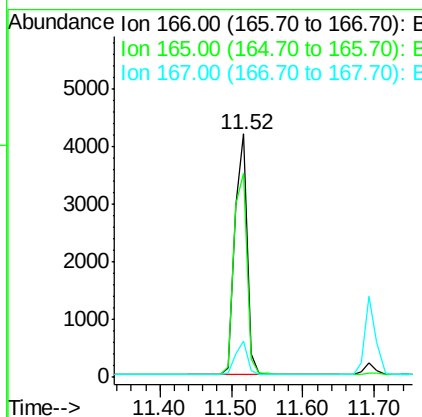
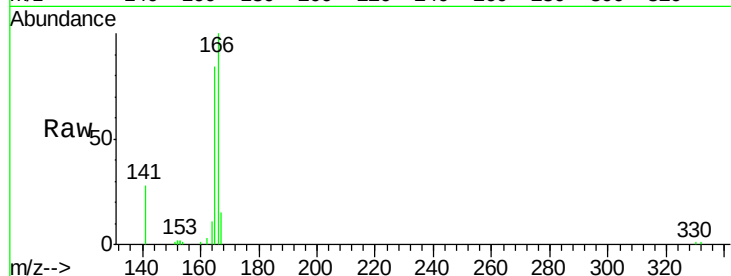
#11
Fluorene
Concen: 0.26 ng
RT: 11.52 min Scan# 2175
Delta R.T. 0.00 min
Lab File: BE088318.D
Acq: 27 Oct 2014 18:01

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.9	70.6	105.8
167	13.5	10.7	16.1

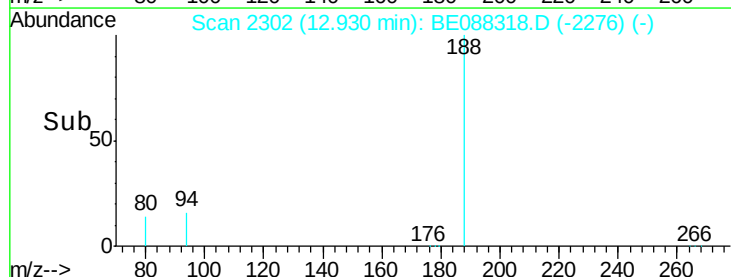
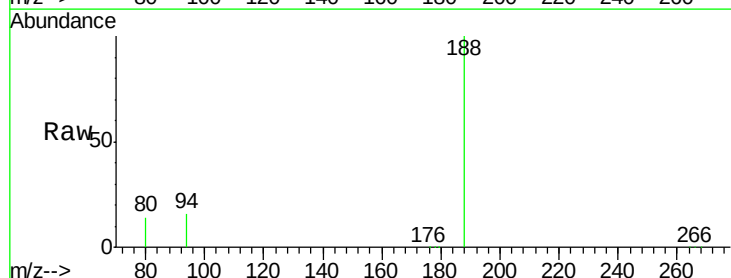
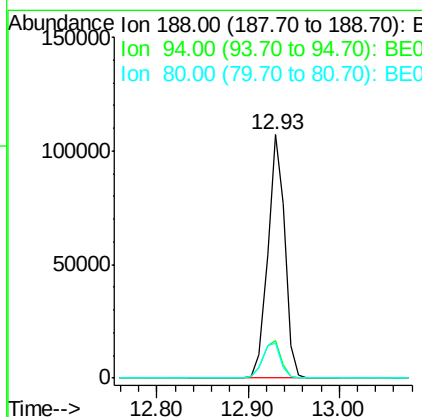
Manual Integrations
APPROVED

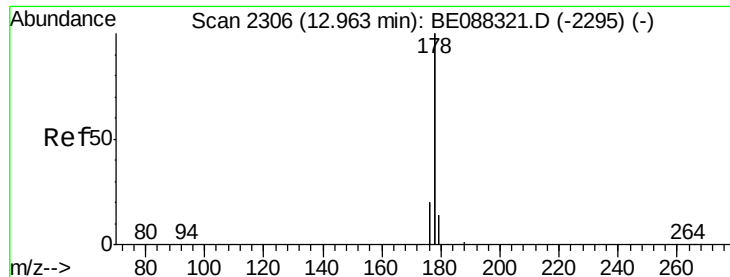
mohammad
10/29/2014 11:11:10 AM



#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.93 min Scan# 2302
Delta R.T. 0.00 min
Lab File: BE088318.D
Acq: 27 Oct 2014 18:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	15.5	12.0	18.0
80	14.4	11.3	16.9





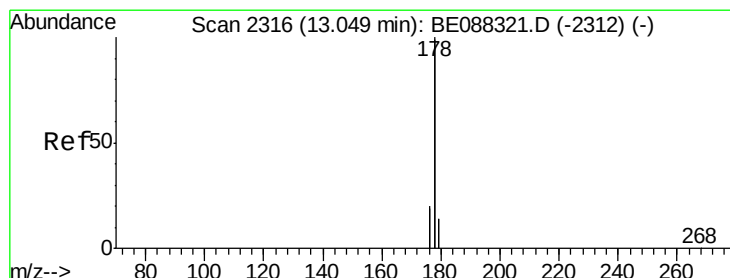
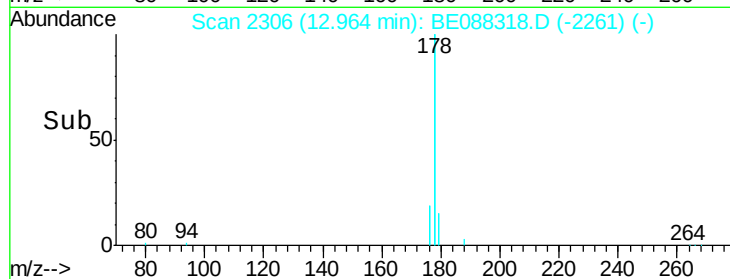
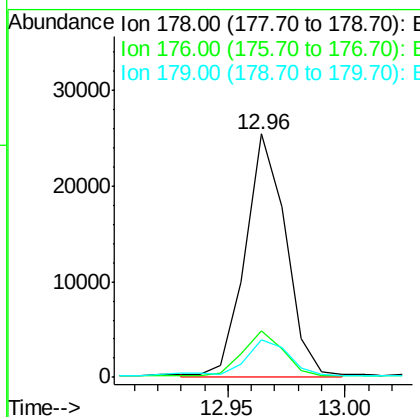
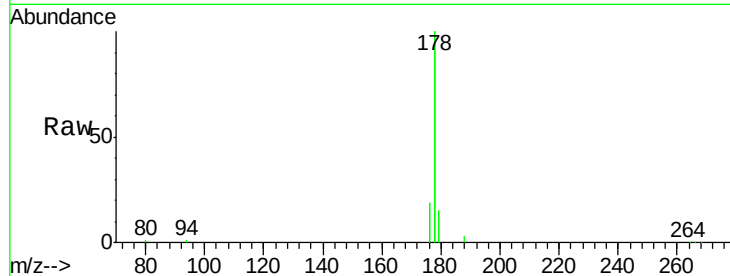
#13
Phenanthrene
Concen: 0.19 ng m
RT: 12.96 min Scan# 2306
Delta R.T. 0.00 min
Lab File: BE088318.D
Acq: 27 Oct 2014 18:01

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.2

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.8	23.6
179	14.5	13.2	19.8

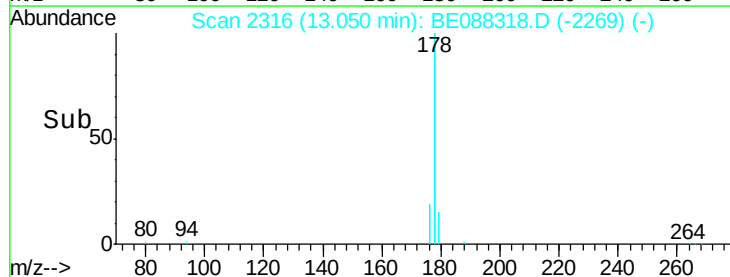
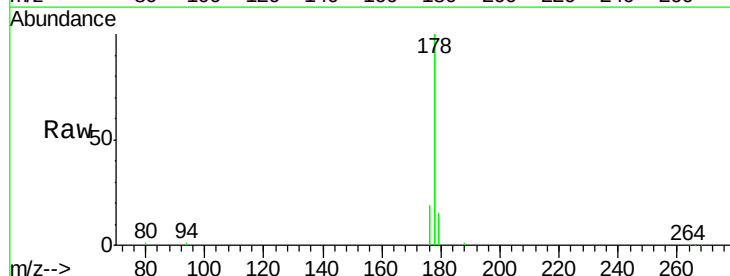
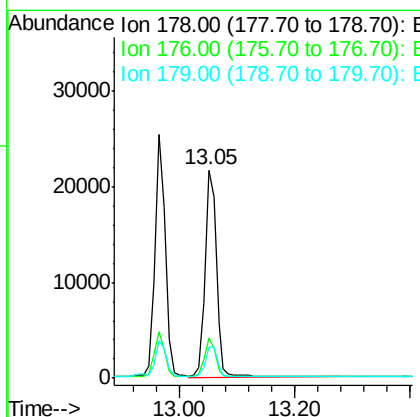
Manual Integrations
APPROVED

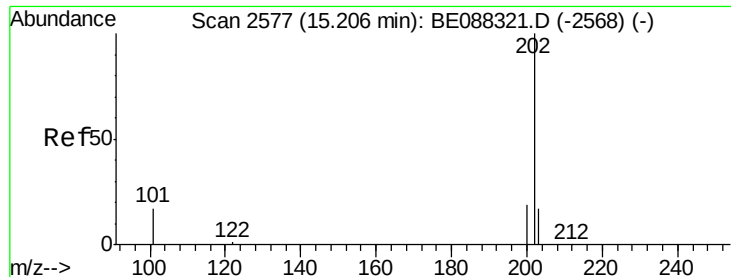
mohammad
10/29/2014 11:11:10 AM



#14
Anthracene
Concen: 0.24 ng
RT: 13.05 min Scan# 2316
Delta R.T. 0.00 min
Lab File: BE088318.D
Acq: 27 Oct 2014 18:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	21.8
179	14.9	12.6	18.8





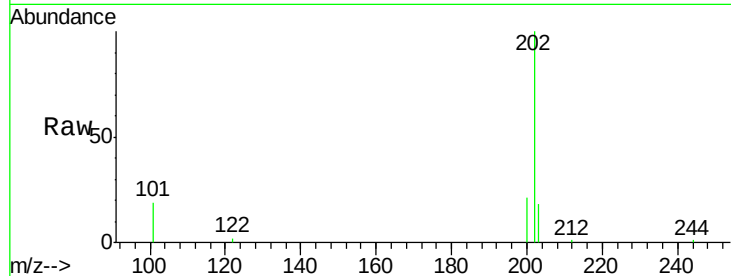
#15
 Fluoranthene
 Concen: 0.26 ng
 RT: 15.20 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: BE088318.D
 Acq: 27 Oct 2014 18:01

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

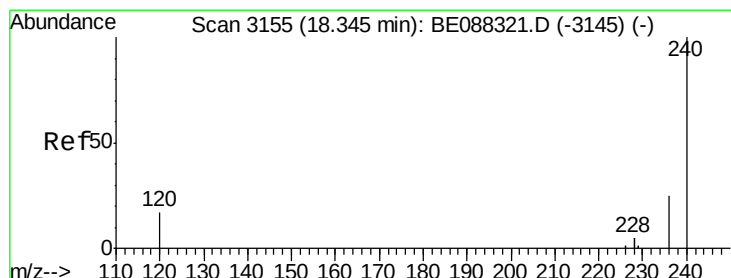
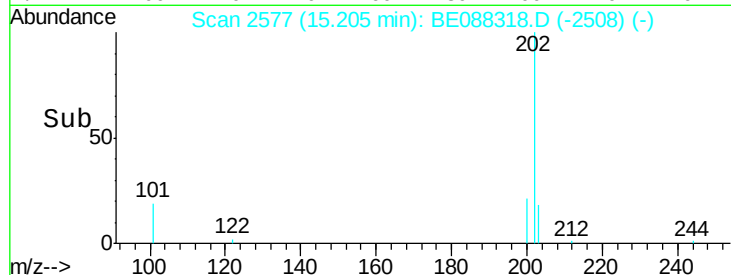
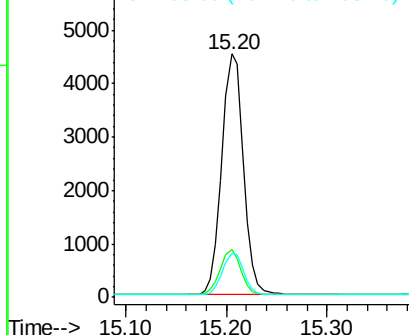
Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.9	14.6	21.8
203	17.1	13.8	20.6

Manual Integrations
 APPROVED

mohammad
 10/29/2014 11:11:10 AM



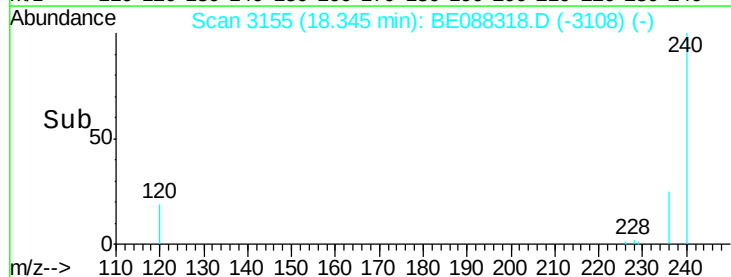
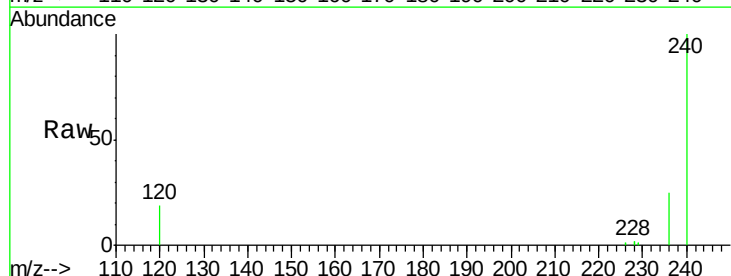
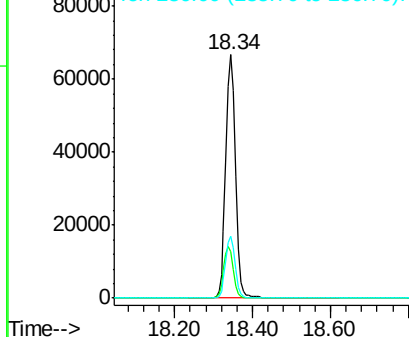
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

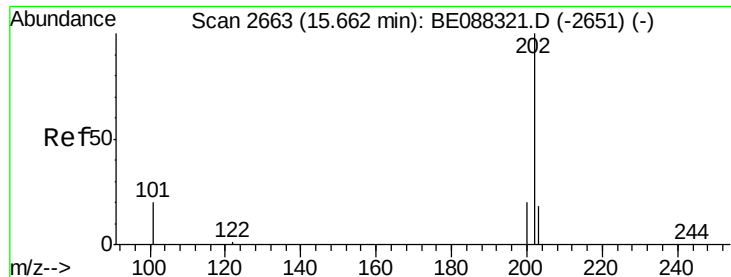


#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.34 min Scan# 3155
 Delta R.T. -0.00 min
 Lab File: BE088318.D
 Acq: 27 Oct 2014 18:01

Tgt Ion	Ratio	Lower	Upper
240	100		
120	19.2	13.4	20.0
236	25.2	20.0	30.0

Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#17

Pyrene

Concen: 0.23 ng

RT: 15.66 min Scan# 2663

Delta R.T. -0.00 min

Lab File: BE088318.D

Acq: 27 Oct 2014 18:01

Instrument :

BNA_E

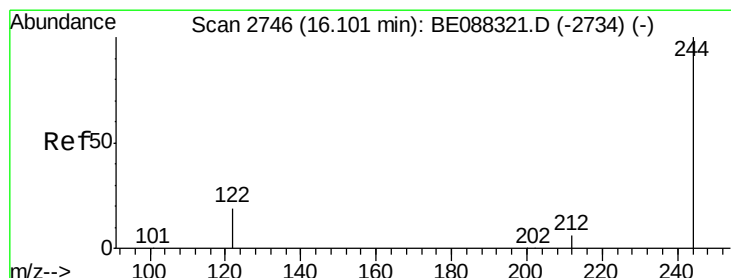
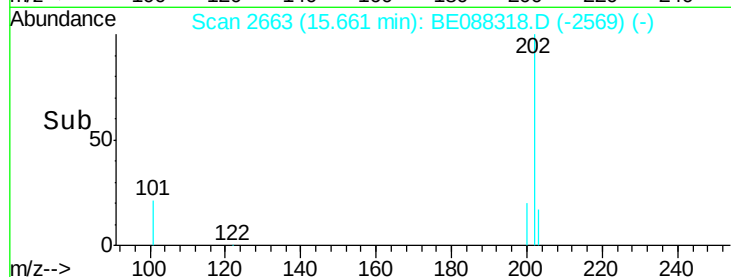
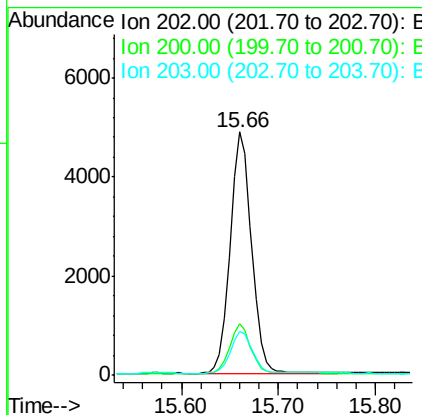
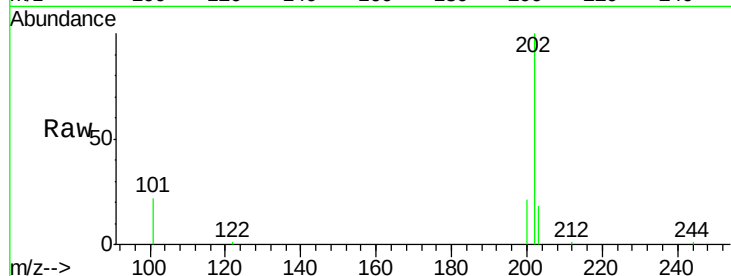
ClientSampleId :

SSTDIC0.2

Tgt Ion:	202	Resp:	7238
Ion Ratio	Lower	Upper	
202	100		
200	20.0	16.1	24.1
203	17.4	13.9	20.9

Manual Integrations
APPROVED

mohammad
10/29/2014 11:11:10 AM



#18

Terphenyl-d14

Concen: 0.24 ng

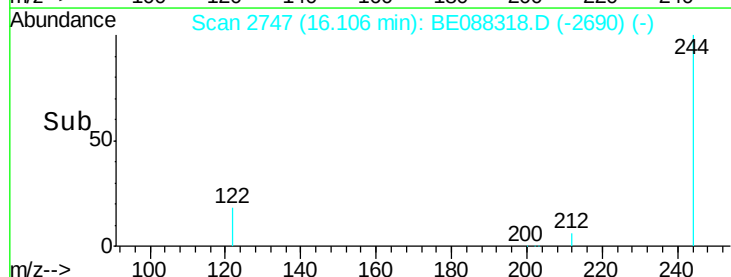
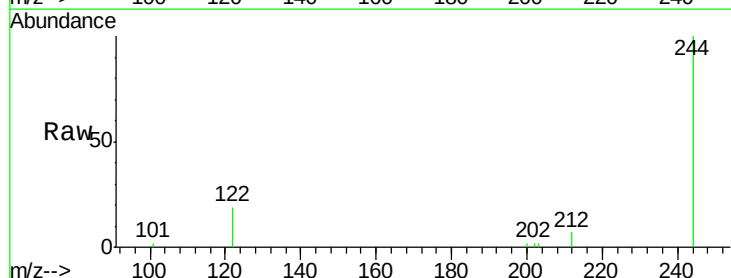
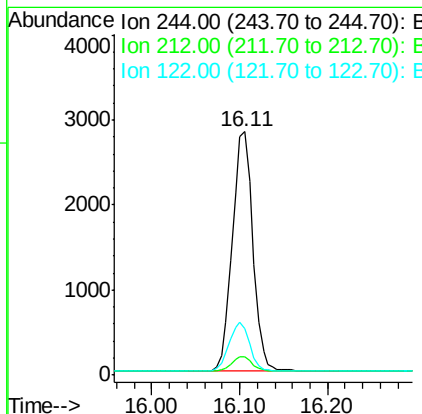
RT: 16.11 min Scan# 2747

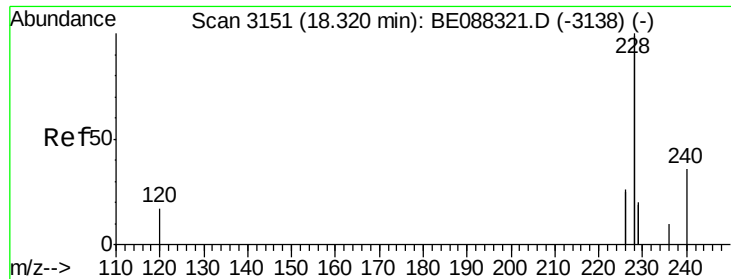
Delta R.T. 0.00 min

Lab File: BE088318.D

Acq: 27 Oct 2014 18:01

Tgt Ion:	244	Resp:	4573
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.1	7.7
122	19.0	15.8	23.8





#19

Benzo(a)anthracene

Concen: 0.25 ng

RT: 18.33 min Scan# 3152

Delta R.T. 0.01 min

Lab File: BE088318.D

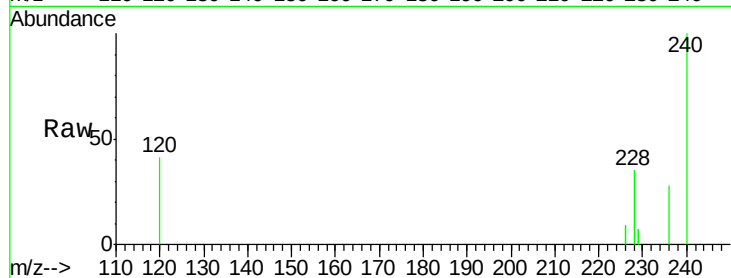
Acq: 27 Oct 2014 18:01

Instrument :

BNA_E

ClientSampleId :

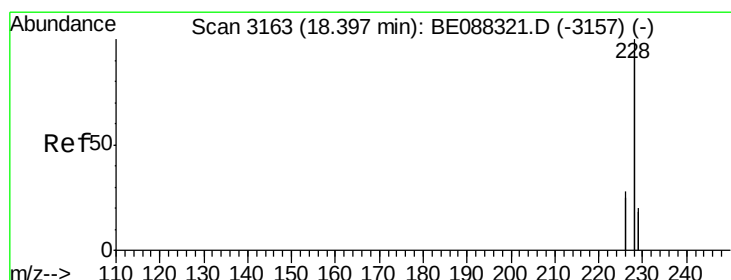
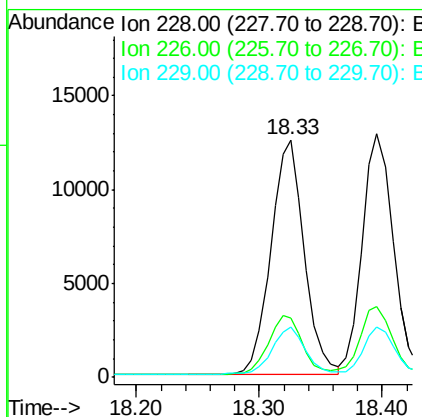
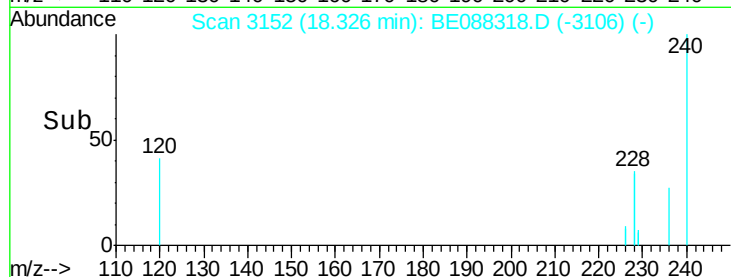
SSTDICC0.2



Tgt Ion:	228	Resp:	23458
Ion Ratio	Lower	Upper	
228	100		
226	25.2	20.7	31.1
229	21.1	15.7	23.5

Manual Integrations
APPROVED

mohammad
10/29/2014 11:11:10 AM



#20

Chrysene

Concen: 0.22 ng

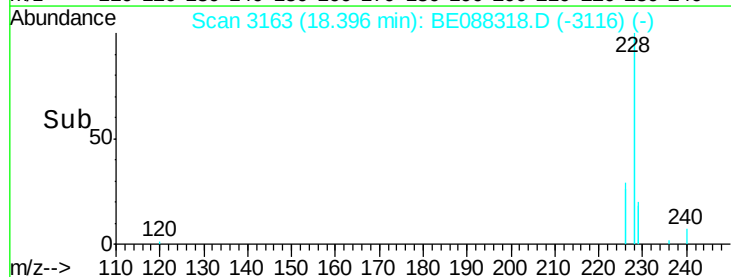
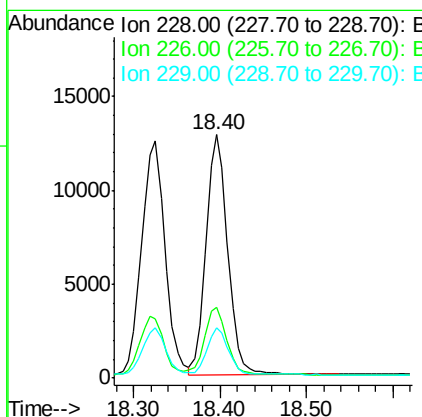
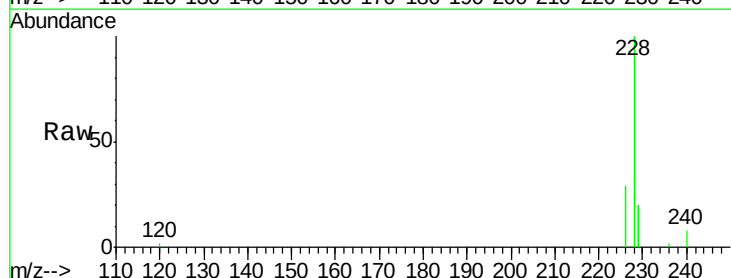
RT: 18.40 min Scan# 3163

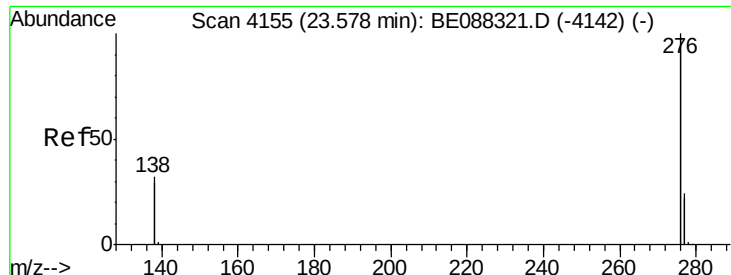
Delta R.T. -0.00 min

Lab File: BE088318.D

Acq: 27 Oct 2014 18:01

Tgt Ion:	228	Resp:	22387
Ion Ratio	Lower	Upper	
228	100		
226	29.1	22.7	34.1
229	20.4	15.6	23.4





#21

Indeno(1,2,3-cd)pyrene

Concen: 0.24 ng m

RT: 23.58 min Scan# 4155

Delta R.T. 0.00 min

Lab File: BE088318.D

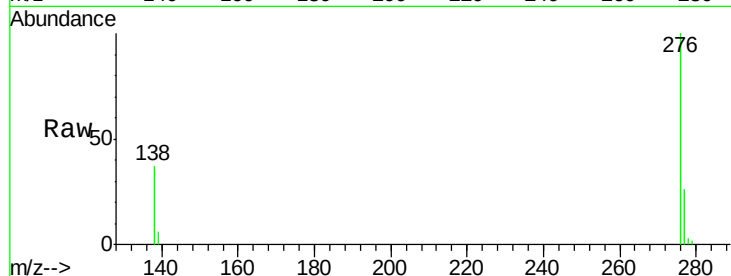
Acq: 27 Oct 2014 18:01

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2



Tgt Ion: 276 Resp: 18802

Ion Ratio Lower Upper

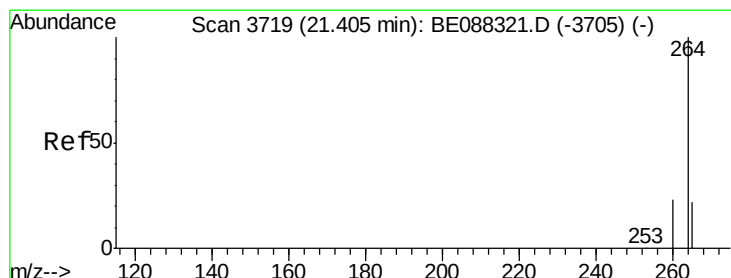
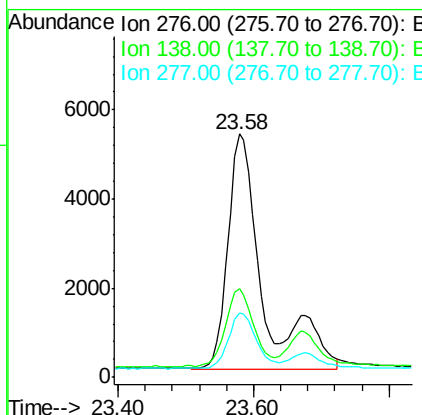
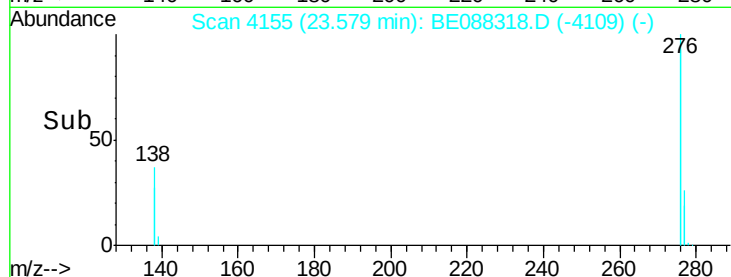
276 100

138 26.6 24.6 37.0

277 18.8 19.0 28.6#

Manual Integrations
APPROVED

mohammad
10/29/2014 11:11:10 AM



#22

Perylene-d12

Concen: 5.00 ng

RT: 21.41 min Scan# 3719

Delta R.T. 0.00 min

Lab File: BE088318.D

Acq: 27 Oct 2014 18:01

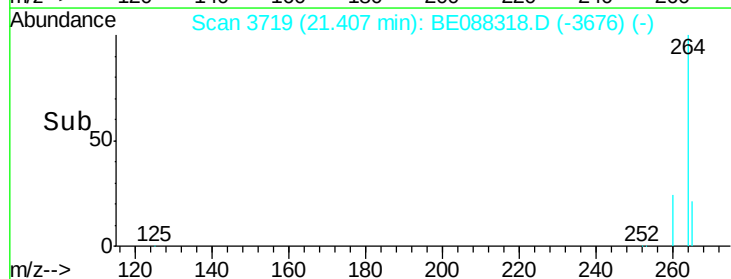
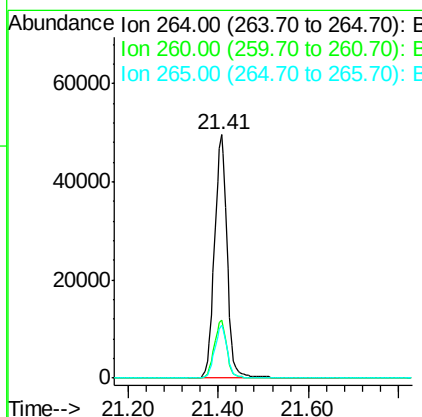
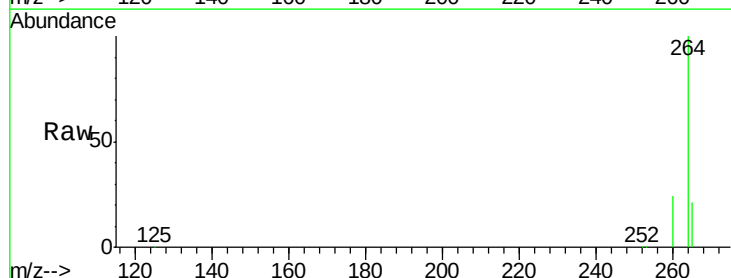
Tgt Ion: 264 Resp: 95800

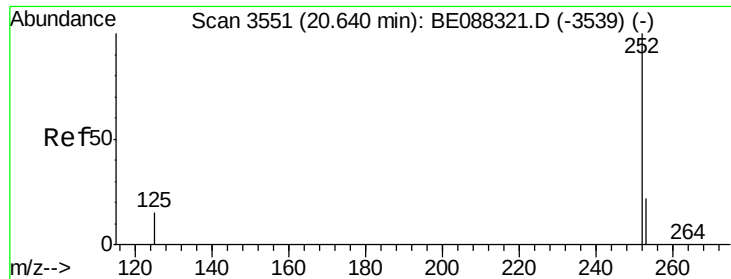
Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 21.5 17.4 26.0





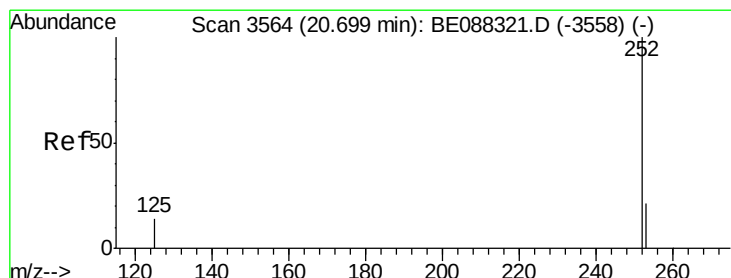
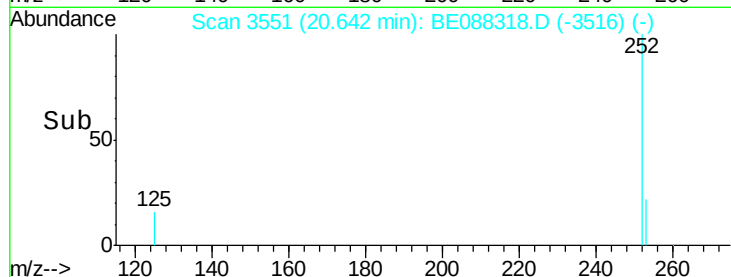
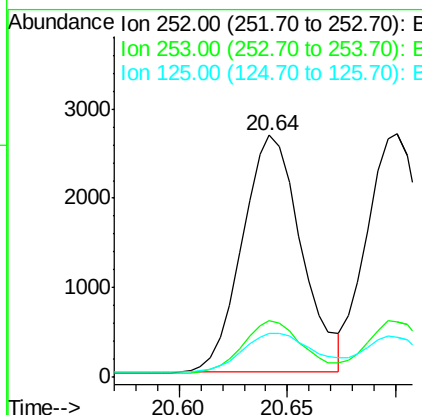
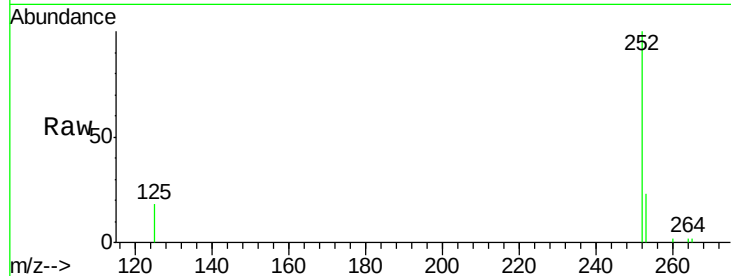
#23
Benzo(b)fluoranthene
Concen: 0.31 ng m
RT: 20.64 min Scan# 3551
Delta R.T. 0.00 min
Lab File: BE088318.D
Acq: 27 Oct 2014 18:01

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	18.3	12.2	18.2#

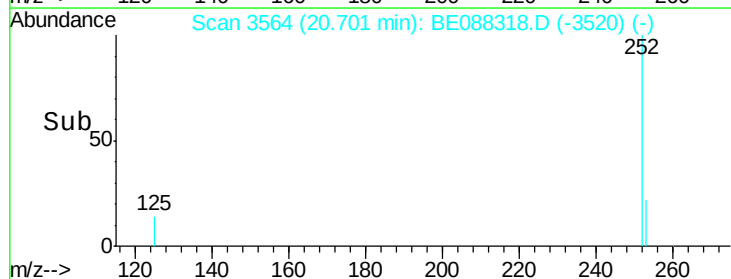
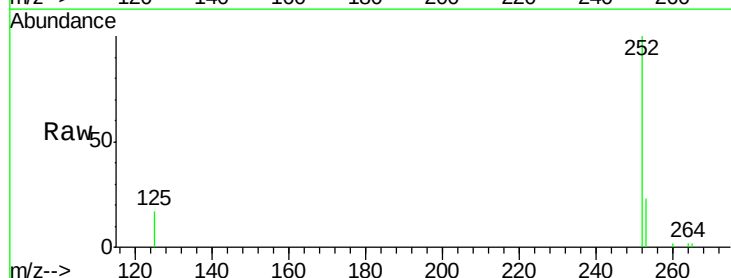
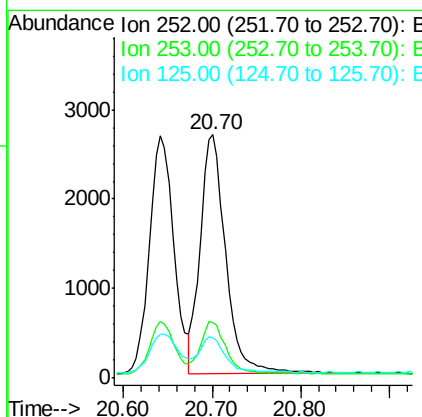
Manual Integrations
APPROVED

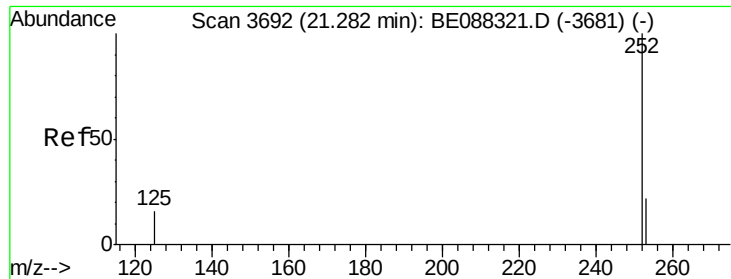
mohammad
10/29/2014 11:11:10 AM



#24
Benzo(k)fluoranthene
Concen: 0.22 ng
RT: 20.70 min Scan# 3564
Delta R.T. 0.00 min
Lab File: BE088318.D
Acq: 27 Oct 2014 18:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	16.6	11.9	17.9





#25

Benzo(a)pyrene

Concen: 0.29 ng

RT: 21.28 min Scan# 3692

Delta R.T. 0.00 min

Lab File: BE088318.D

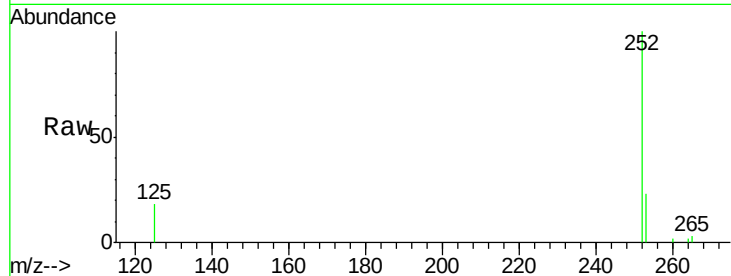
Acq: 27 Oct 2014 18:01

Instrument :

BNA_E

ClientSampleId :

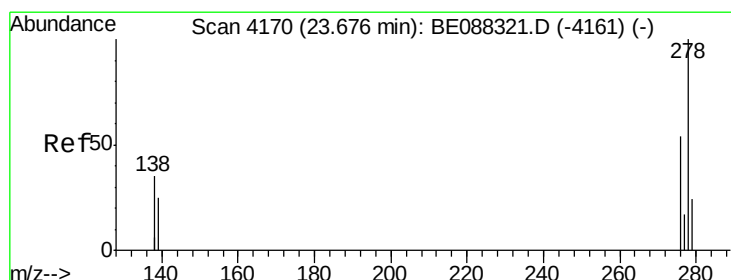
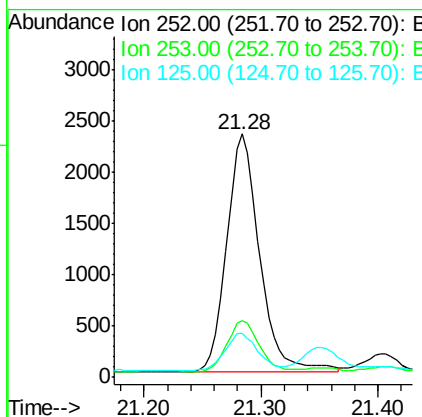
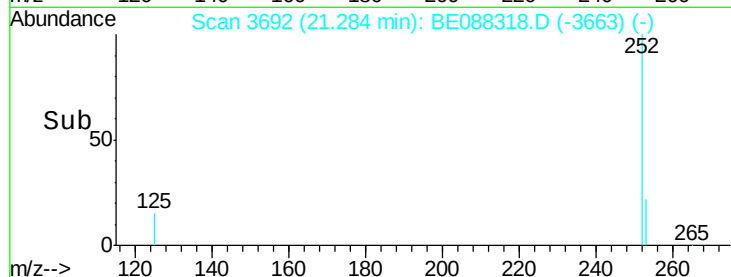
SSTDICC0.2



Tgt Ion:	252	Resp:	4549
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.7	26.5
125	18.0	13.2	19.8

Manual Integrations
APPROVED

mohammad
10/29/2014 11:11:10 AM



#26

Dibenzo(a,h)anthracene

Concen: 0.25 ng

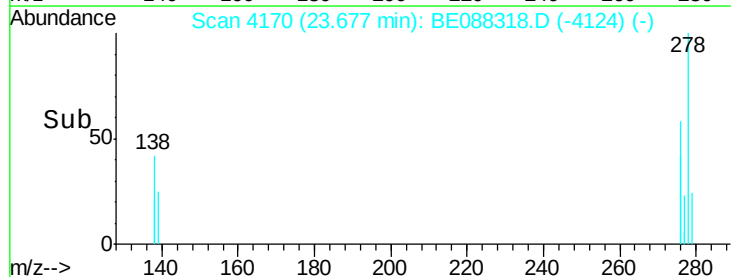
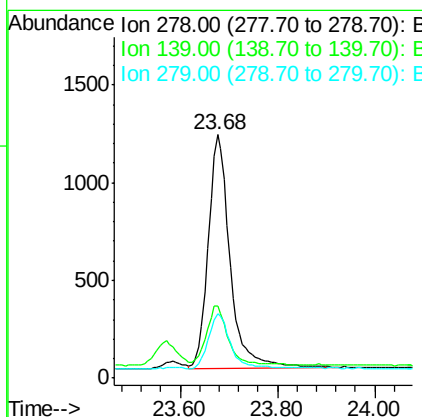
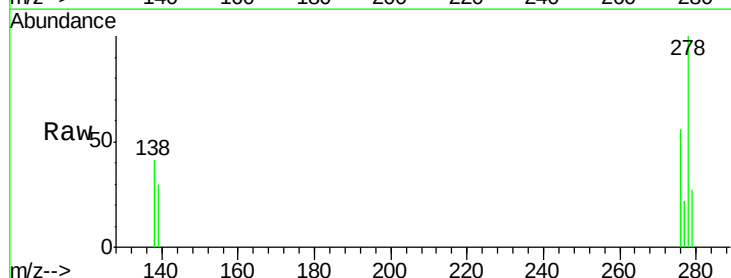
RT: 23.68 min Scan# 4170

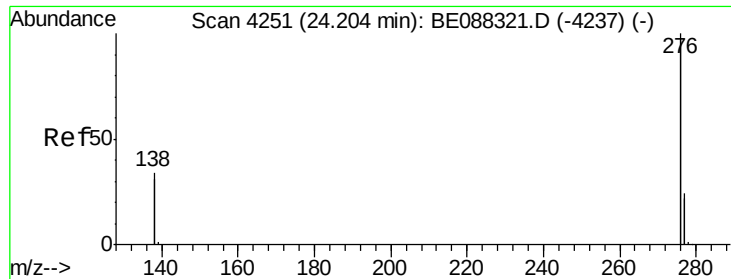
Delta R.T. 0.00 min

Lab File: BE088318.D

Acq: 27 Oct 2014 18:01

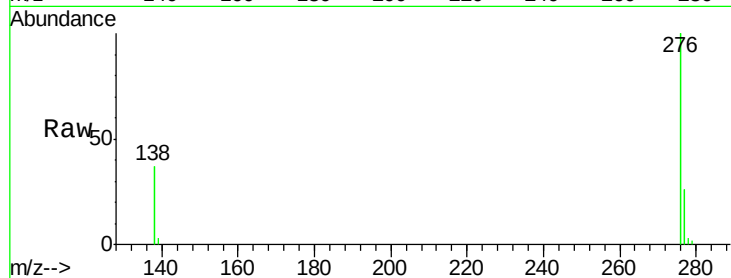
Tgt Ion:	278	Resp:	3713
Ion Ratio	Lower	Upper	
278	100		
139	29.7	21.0	31.4
279	26.6	19.8	29.8





#27
 Benzo(g,h,i)perylene
 Concen: 0.22 ng
 RT: 24.20 min Scan# 4251
 Delta R.T. 0.00 min
 Lab File: BE088318.D
 Acq: 27 Oct 2014 18:01

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2



Tgt Ion:	276	Resp:	16554
Ion Ratio		Lower	Upper
276	100		
277	26.1	19.1	28.7
138	36.6	27.0	40.4

Manual Integrations
 APPROVED

mohammad
 10/29/2014 11:11:10 AM

