

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102714\
 Data File : BE088328.D
 Acq On : 27 Oct 2014 23:38
 Operator : TP/JJ
 Sample : F4379-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB31-1014

Manual Integrations
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mohammad
 10/29/2014 11:11:42 AM

Quant Time: Oct 28 10:26:31 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 10:16:06 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.10	152	27659	5.00	ng	0.00
3) Naphthalene-d8	8.67	136	100641	5.00	ng	0.00
7) Acenaphthene-d10	10.81	164	48860	5.00	ng	0.00
12) Phenanthrene-d10	12.93	188	98827m	5.00	ng	0.00
16) Chrysene-d12	18.34	240	51609	5.00	ng	0.00
22) Perylene-d12	21.40	264	45738	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.80	82	523435	69.04	ng	0.01
8) 2-Fluorobiphenyl	10.01	172	684208	53.51	ng	0.00
18) Terphenyl-d14	16.12	244	523241	54.21	ng	0.02
Target Compounds						Qvalue
13) Phenanthrene	12.96	178	15429m	0.06	ng	
15) Fluoranthene	15.20	202	4100	0.15	ng	100
17) Pyrene	15.66	202	3568	0.23	ng	97
19) Benzo(a)anthracene	18.32	228	6008	0.17	ng	# 91
20) Chrysene	18.39	228	6977	0.16	ng	# 92
21) Indeno(1,2,3-cd)pyrene	23.58	276	3988	0.21	ng	97
23) Benzo(b)fluoranthene	20.64	252	2088	0.15	ng	# 80
25) Benzo(a)pyrene	21.28	252	1248	0.12	ng	# 83
27) Benzo(g,h,i)perylene	24.20	276	3739	0.10	ng	# 73

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

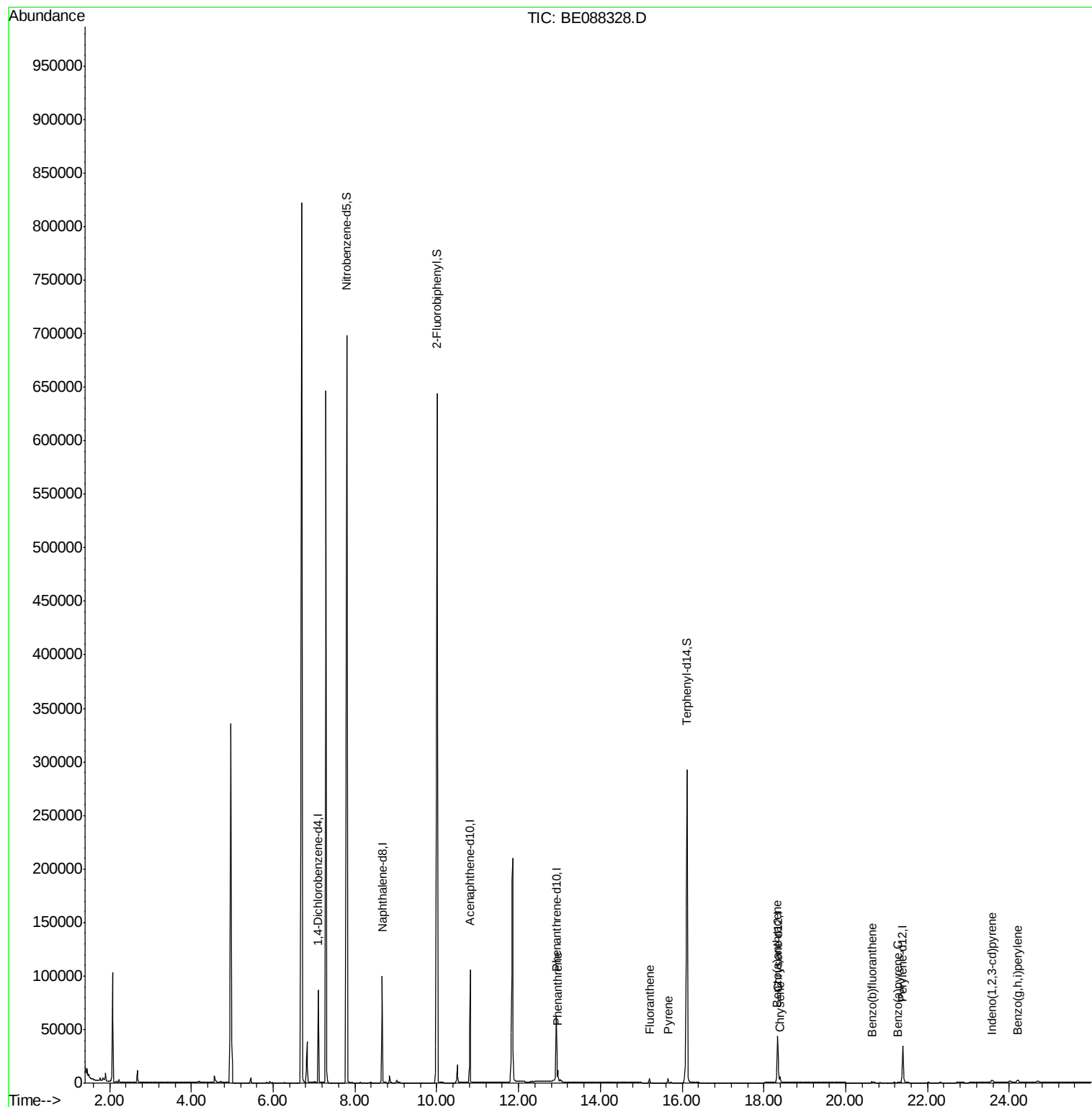
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102714\
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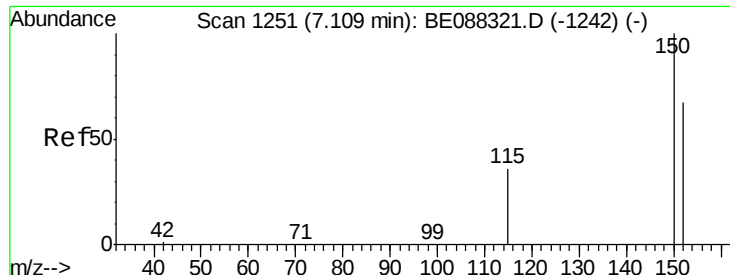
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.10 min Scan# 1250

Delta R.T. -0.01 min

Lab File: BE088328.D

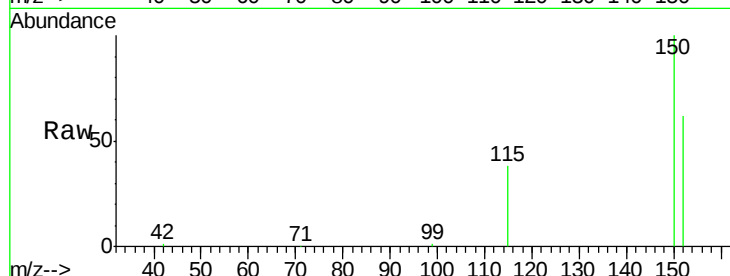
Acq: 27 Oct 2014 23:38

Instrument :

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ClientSampleId :

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Tgt Ion:152 Resp: 27659

Ion Ratio Lower Upper

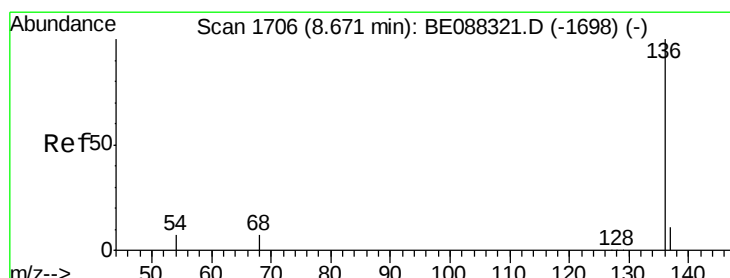
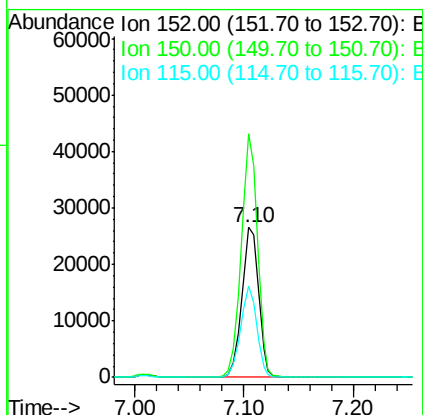
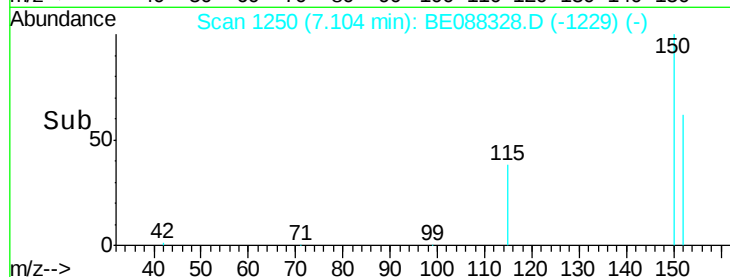
152 100

150 162.3 119.3 178.9

115 61.2 42.6 64.0

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#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.67 min Scan# 1706

Delta R.T. -0.00 min

Lab File: BE088328.D

Acq: 27 Oct 2014 23:38

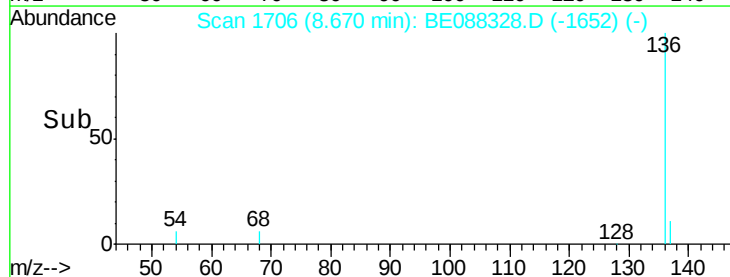
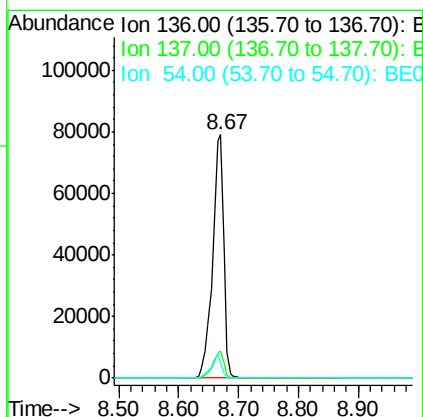
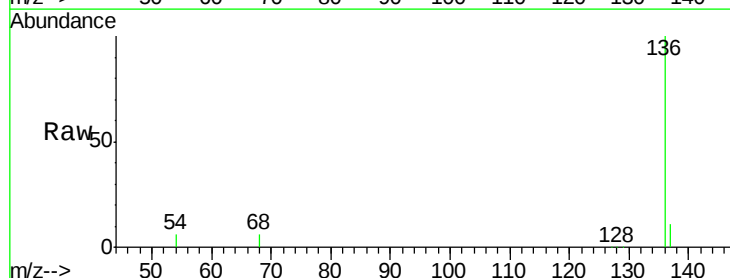
Tgt Ion:136 Resp: 100641

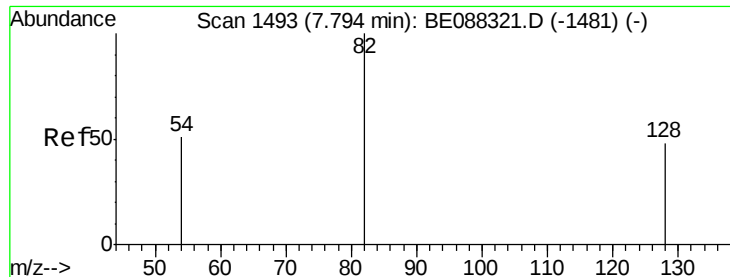
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 6.2 5.5 8.3





#4

Nitrobenzene-d5

Concen: 69.04 ng

RT: 7.80 min Scan# 1498

Delta R.T. 0.01 min

Lab File: BE088328.D

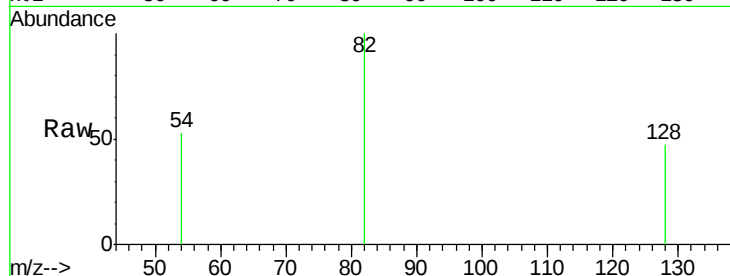
Acq: 27 Oct 2014 23:38

Instrument :

BNA_E

ClientSampleId :

YS19-SB31-1014



Tgt Ion: 82 Resp: 523435

Ion Ratio Lower Upper

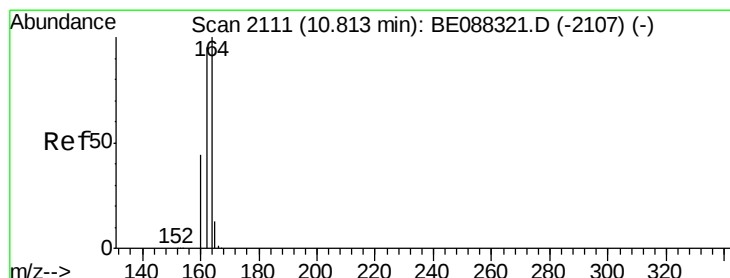
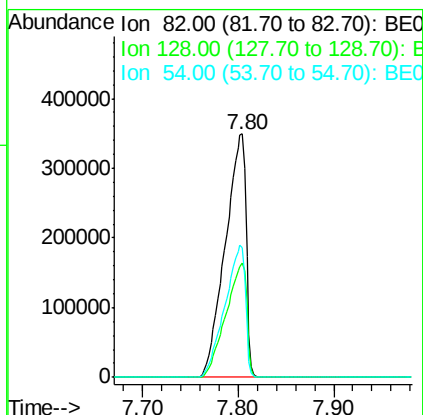
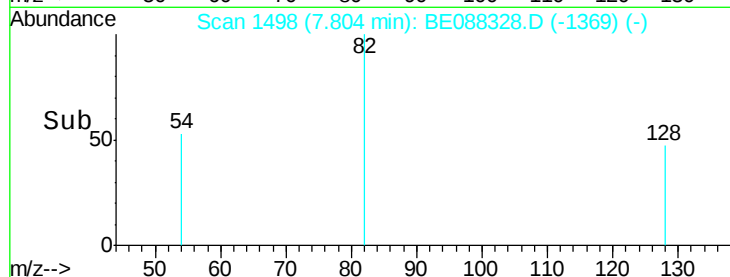
82 100

128 46.8 38.7 58.1

54 53.1 41.0 61.4

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#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.81 min Scan# 2111

Delta R.T. 0.00 min

Lab File: BE088328.D

Acq: 27 Oct 2014 23:38

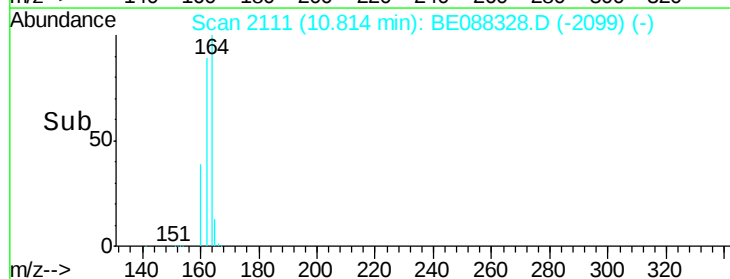
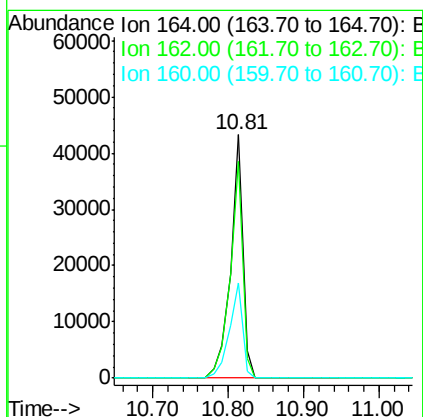
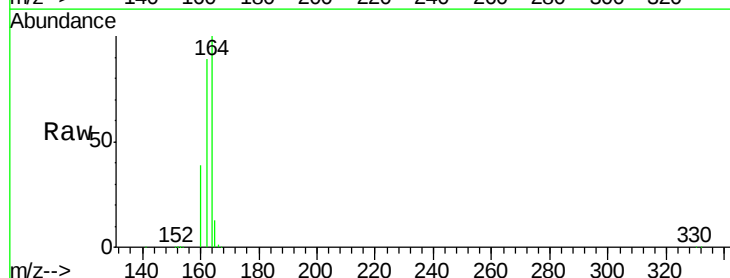
Tgt Ion: 164 Resp: 48860

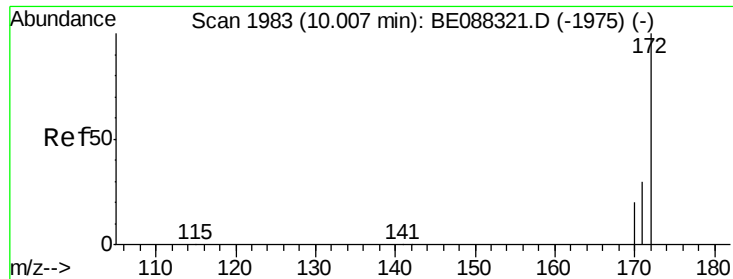
Ion Ratio Lower Upper

164 100

162 89.1 75.7 113.5

160 39.0 35.6 53.4





#8

2-Fluorobiphenyl

Concen: 53.51 ng

RT: 10.01 min Scan# 1984

Delta R.T. 0.00 min

Lab File: BE088328.D

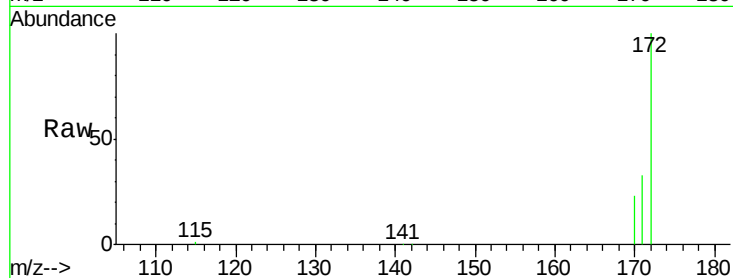
Acq: 27 Oct 2014 23:38

Instrument :

BNA_E

ClientSampleId :

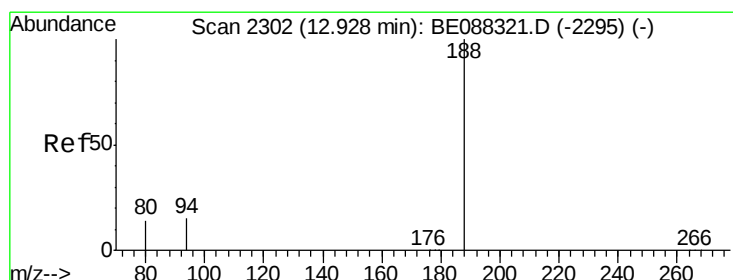
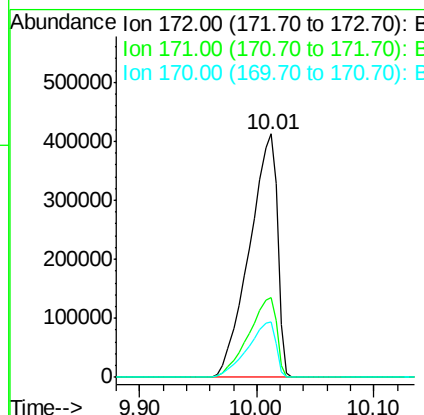
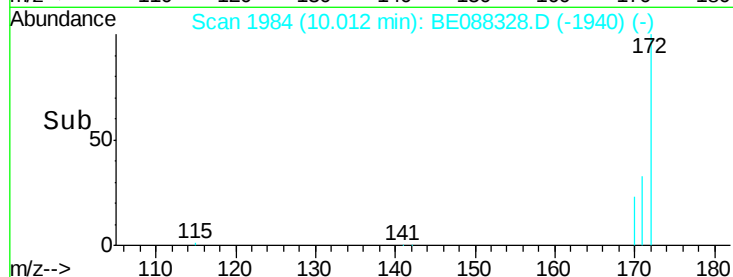
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Tgt Ion:	172	Resp:	684208
Ion Ratio	Lower	Upper	
172	100		
171	33.0	24.5	36.7
170	22.6	15.8	23.6

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#12

Phenanthrene-d10

Concen: 5.00 ng m

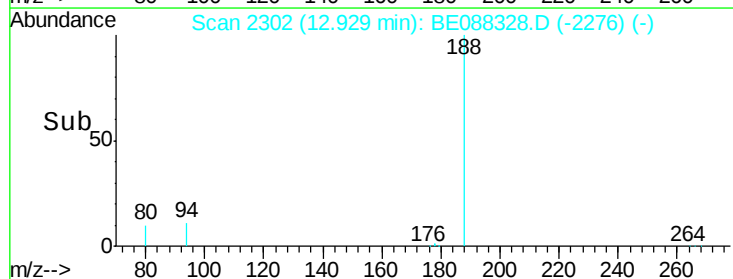
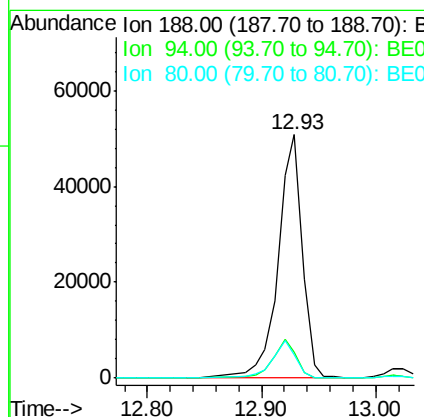
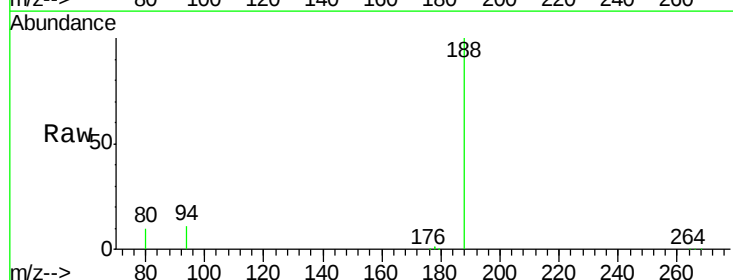
RT: 12.93 min Scan# 2302

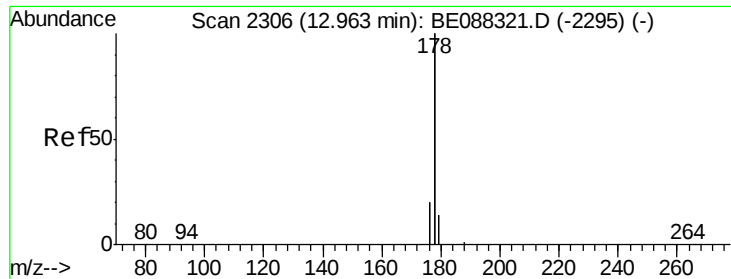
Delta R.T. 0.00 min

Lab File: BE088328.D

Acq: 27 Oct 2014 23:38

Tgt Ion:	188	Resp:	98827
Ion Ratio	Lower	Upper	
188	100		
94	11.0	12.0	18.0#
80	9.7	11.3	16.9#





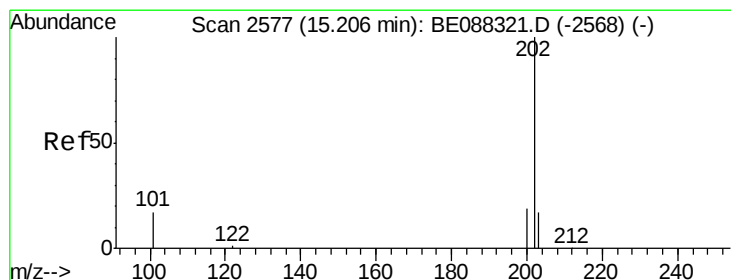
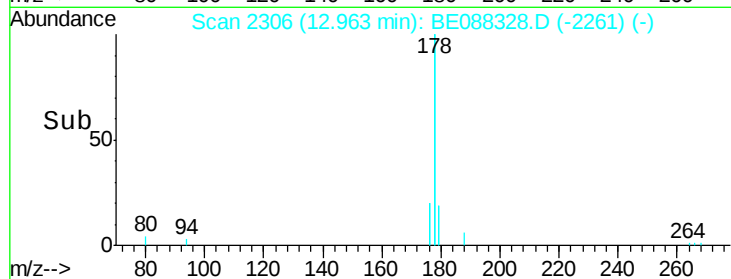
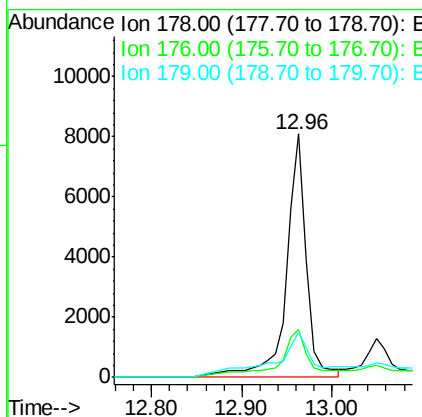
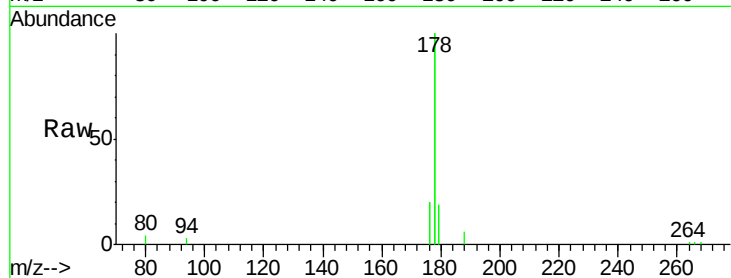
#13
Phenanthrene
Concen: 0.06 ng m
RT: 12.96 min Scan# 2306
Delta R.T. 0.00 min
Lab File: BE088328.D
Acq: 27 Oct 2014 23:38

Instrument :
BNA_E
ClientSampleId :
YS19-SB31-1014

Tgt Ion	Ratio	Lower	Upper
178	100		
176	3.2	15.8	23.6#
179	2.6	13.2	19.8#

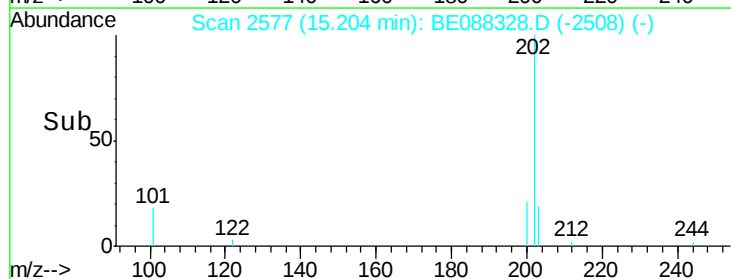
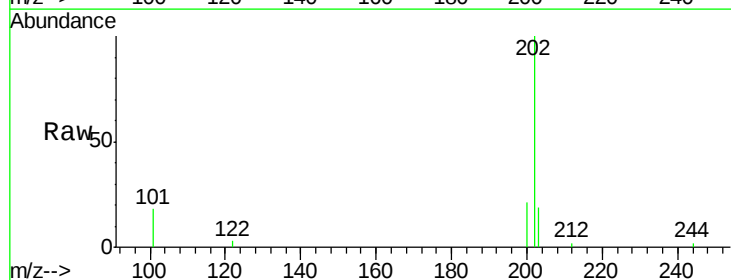
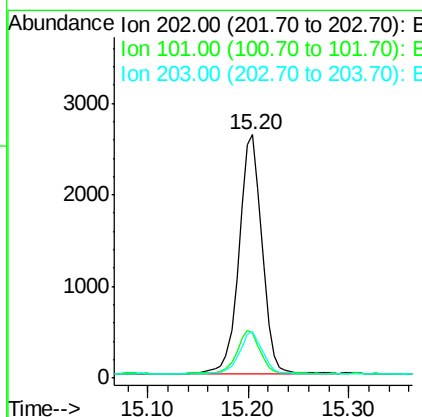
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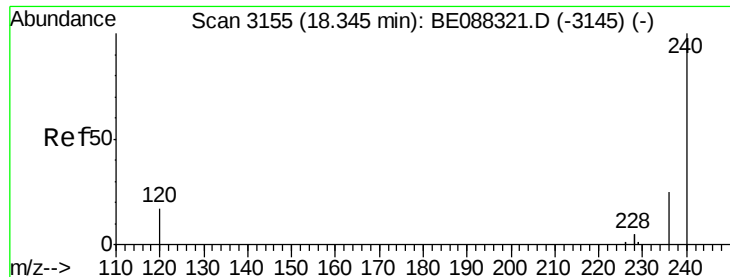
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#15
Fluoranthene
Concen: 0.15 ng
RT: 15.20 min Scan# 2577
Delta R.T. -0.00 min
Lab File: BE088328.D
Acq: 27 Oct 2014 23:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.1	14.6	21.8
203	17.0	13.8	20.6





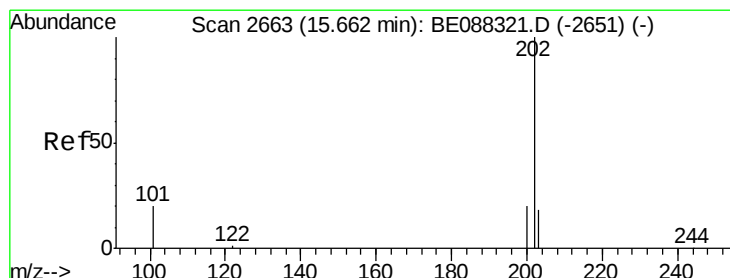
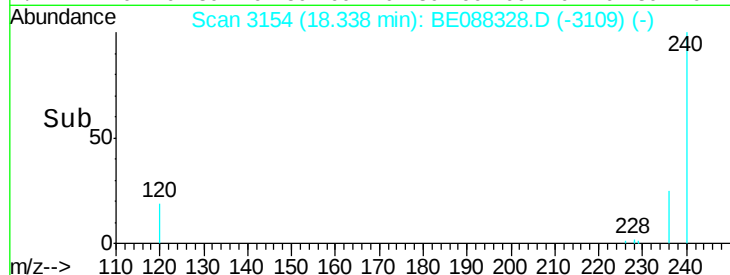
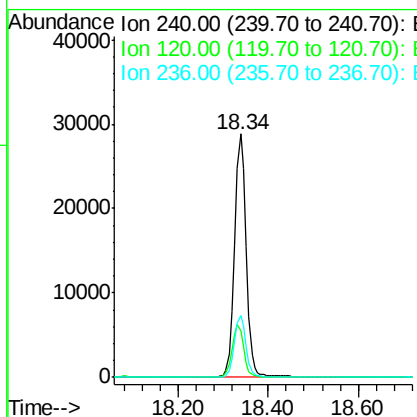
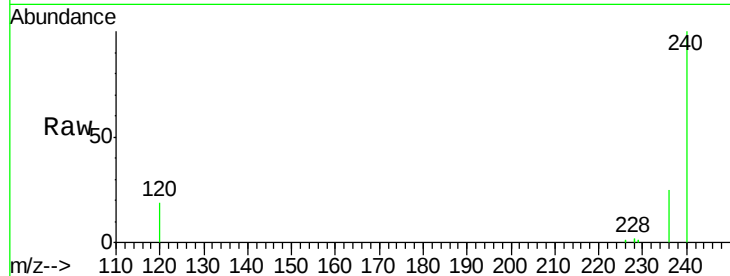
#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.34 min Scan# 3154
Delta R.T. -0.01 min
Lab File: BE088328.D
Acq: 27 Oct 2014 23:38

Instrument :
BNA_E
ClientSampleId :
YS19-SB31-1014

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	51609		
120	19.3	13.4	20.0	
236	25.4	20.0	30.0	

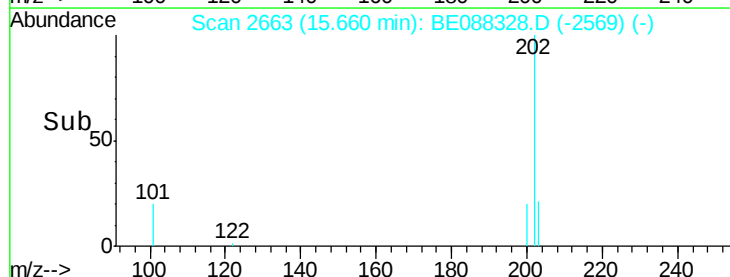
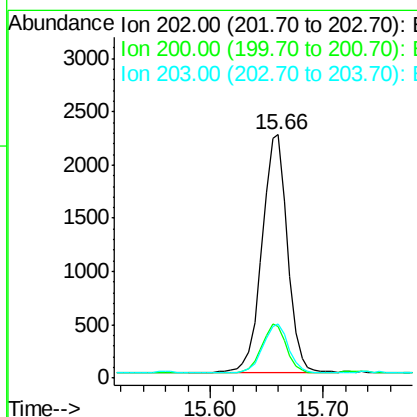
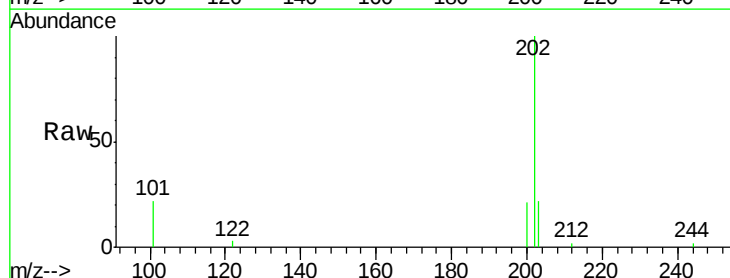
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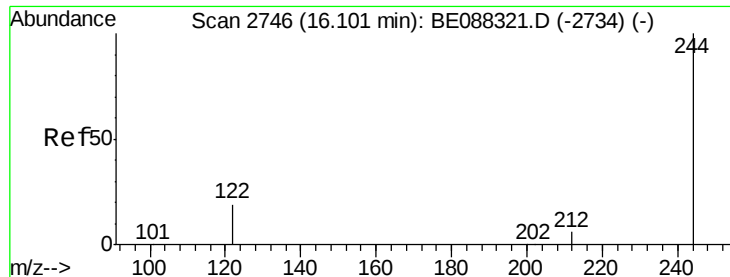
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#17
Pyrene
Concen: 0.23 ng
RT: 15.66 min Scan# 2663
Delta R.T. -0.00 min
Lab File: BE088328.D
Acq: 27 Oct 2014 23:38

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	3568		
200	20.1	16.1	24.1	
203	20.2	13.9	20.9	





#18

Terphenyl-d14

Concen: 54.21 ng

RT: 16.12 min Scan# 2750

Delta R.T. 0.02 min

Lab File: BE088328.D

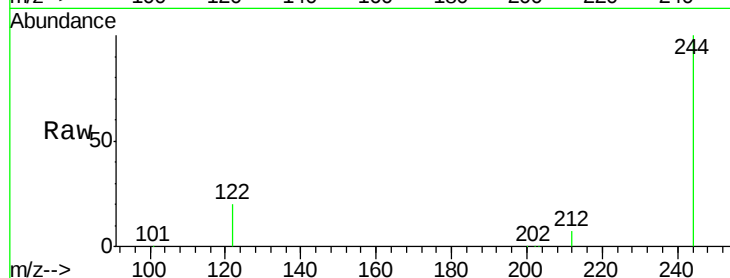
Acq: 27 Oct 2014 23:38

Instrument :

BNA_E

ClientSampleId :

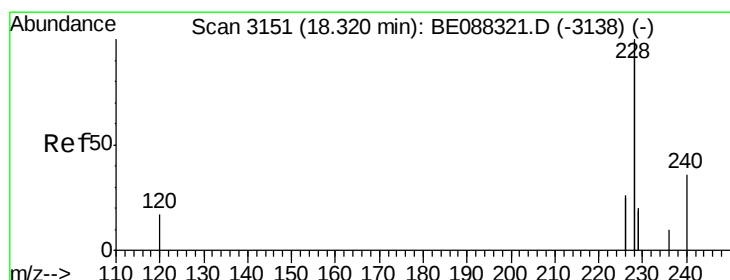
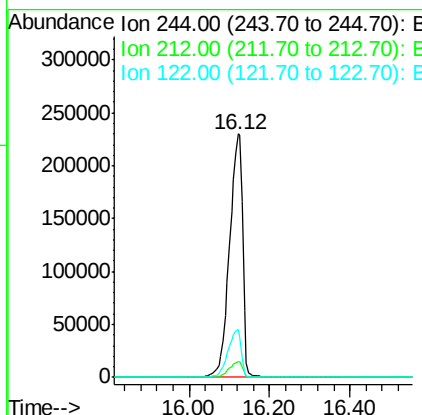
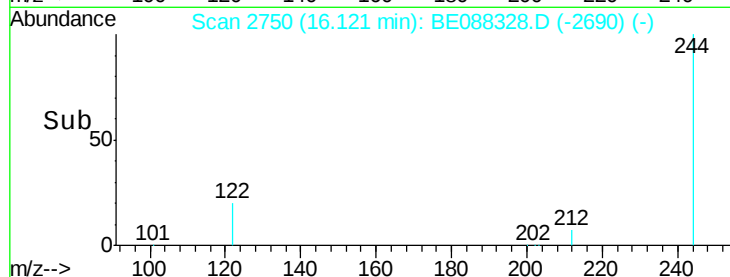
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Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.1	7.7
122	19.8	15.8	23.8

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#19

Benzo(a)anthracene

Concen: 0.17 ng

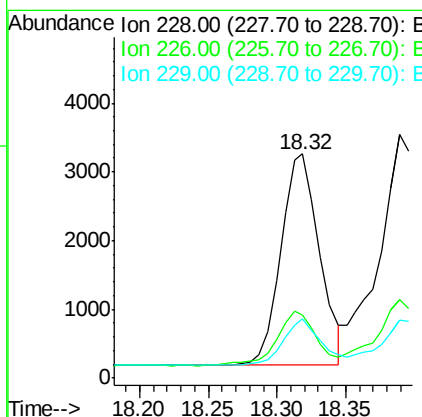
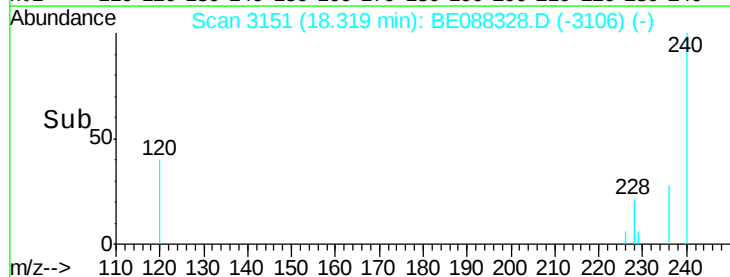
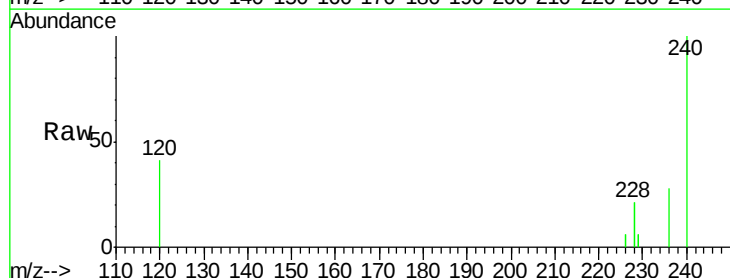
RT: 18.32 min Scan# 3151

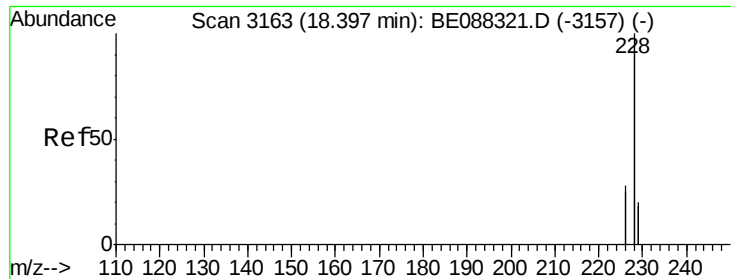
Delta R.T. -0.00 min

Lab File: BE088328.D

Acq: 27 Oct 2014 23:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	20.7	31.1
229	26.4	15.7	23.5#





#20

Chrysene

Concen: 0.16 ng

RT: 18.39 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BE088328.D

Acq: 27 Oct 2014 23:38

Instrument :

BNA_E

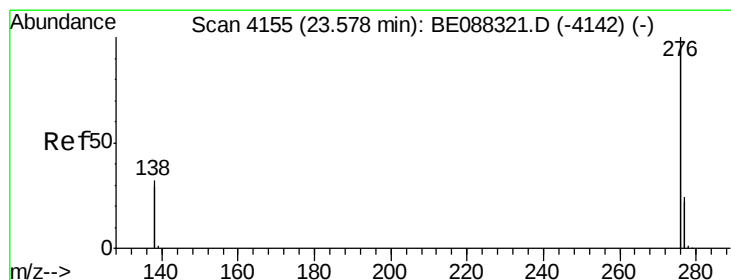
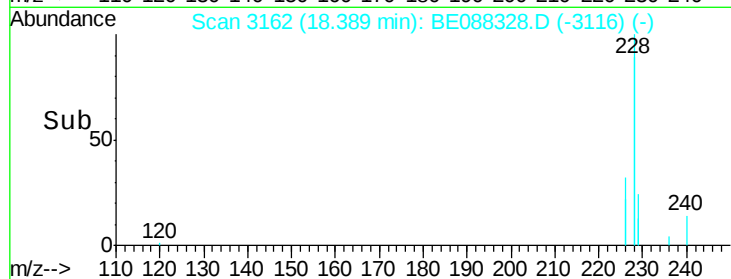
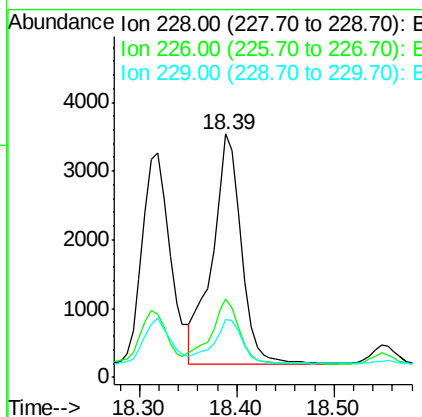
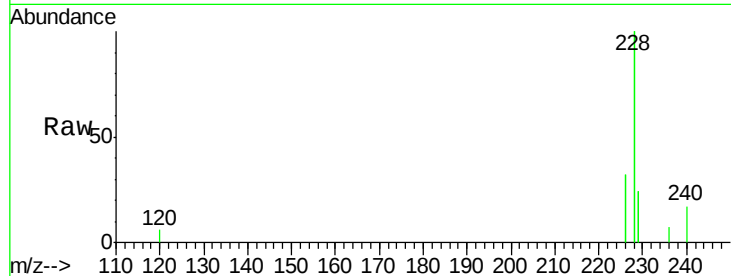
ClientSampleId :

YS19-SB31-1014

Tgt Ion:	228	Resp:	6977
Ion Ratio	Lower	Upper	
228	100		
226	32.5	22.7	34.1
229	23.9	15.6	23.4

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#21

Indeno(1,2,3-cd)pyrene

Concen: 0.21 ng

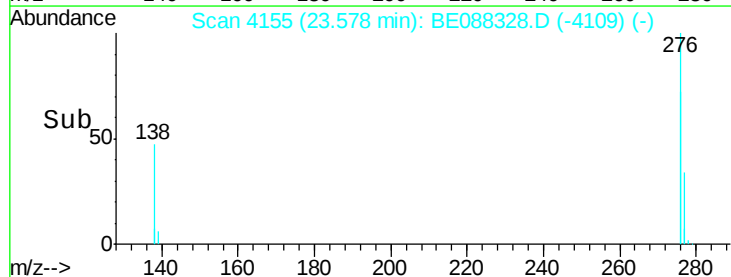
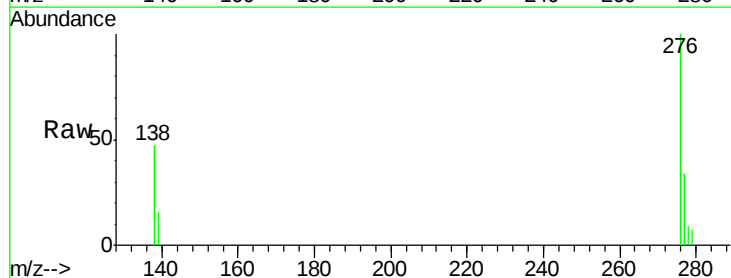
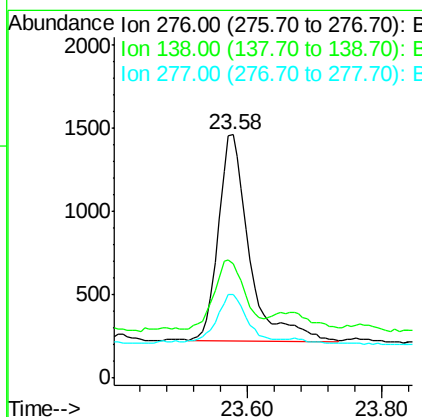
RT: 23.58 min Scan# 4155

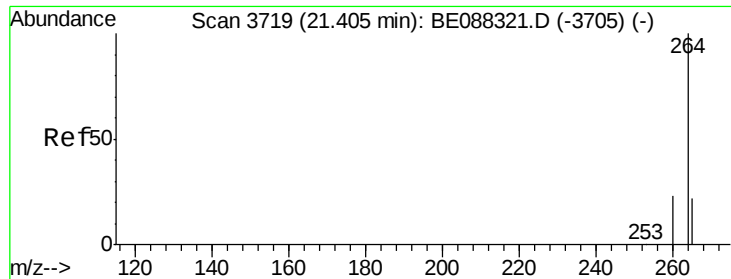
Delta R.T. -0.00 min

Lab File: BE088328.D

Acq: 27 Oct 2014 23:38

Tgt Ion:	276	Resp:	3988
Ion Ratio	Lower	Upper	
276	100		
138	32.4	24.6	37.0
277	22.4	19.0	28.6





#22

Perylene-d12

Concen: 5.00 ng

RT: 21.40 min Scan# 3718

Delta R.T. -0.00 min

Lab File: BE088328.D

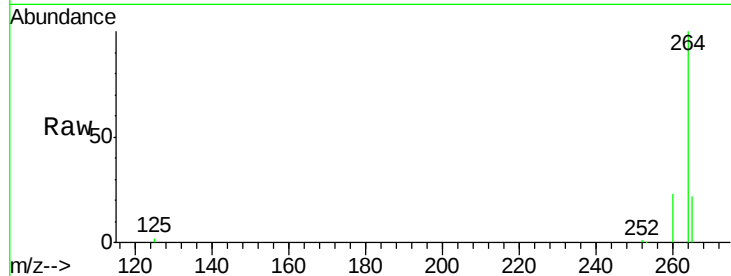
Acq: 27 Oct 2014 23:38

Instrument :

BNA_E

ClientSampleId :

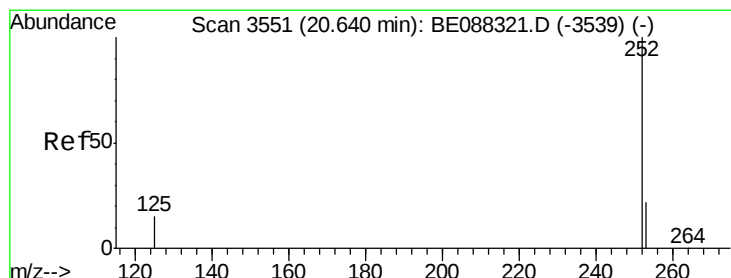
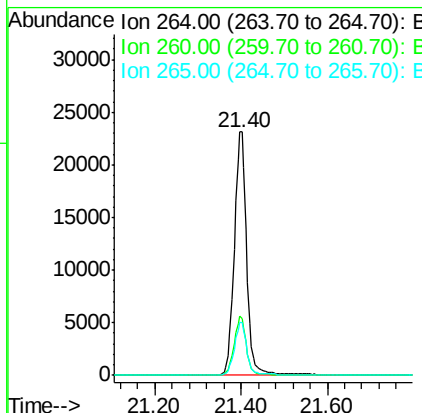
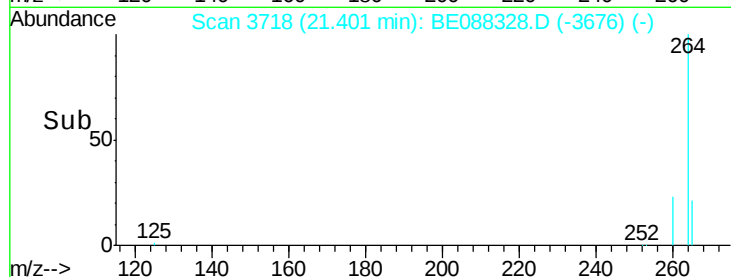
YS19-SB31-1014



Tgt Ion:	264	Resp:	45738
Ion Ratio	Lower	Upper	
264	100		
260	23.4	18.9	28.3
265	21.7	17.4	26.0

Manual Integrations
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10/29/2014 11:11:42 AM



#23

Benzo(b)fluoranthene

Concen: 0.15 ng

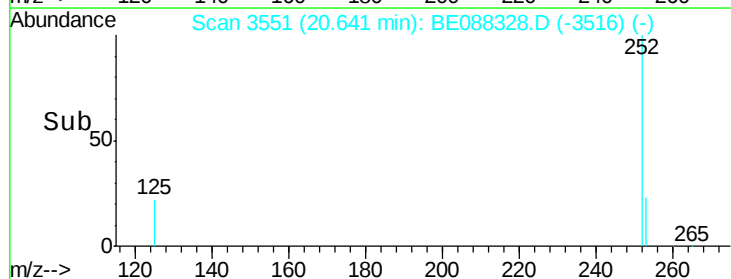
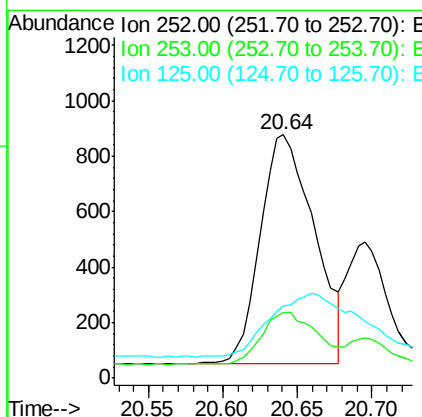
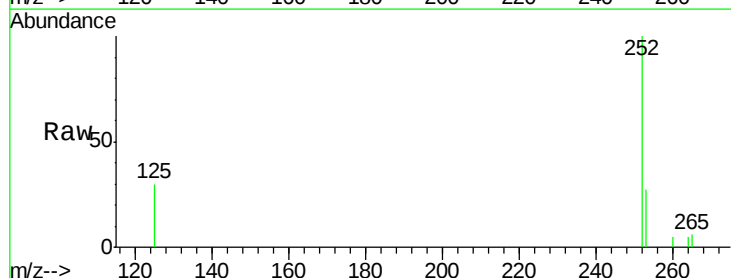
RT: 20.64 min Scan# 3551

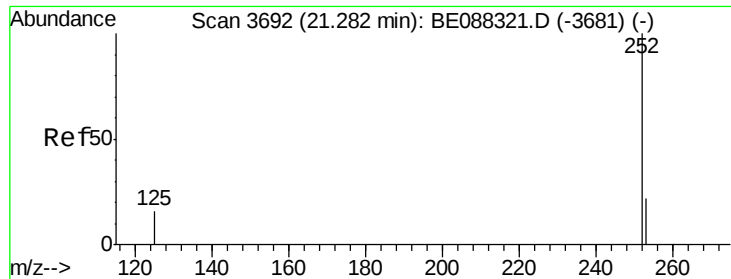
Delta R.T. 0.00 min

Lab File: BE088328.D

Acq: 27 Oct 2014 23:38

Tgt Ion:	252	Resp:	2088
Ion Ratio	Lower	Upper	
252	100		
253	27.1	17.7	26.5#
125	29.6	12.2	18.2#





#25

Benzo(a)pyrene

Concen: 0.12 ng

RT: 21.28 min Scan# 3691

Delta R.T. -0.00 min

Lab File: BE088328.D

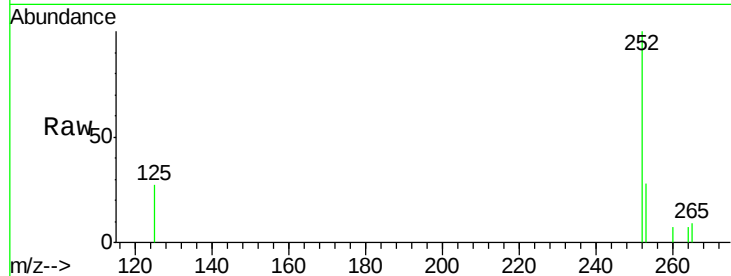
Acq: 27 Oct 2014 23:38

Instrument :

BNA_E

ClientSampleId :

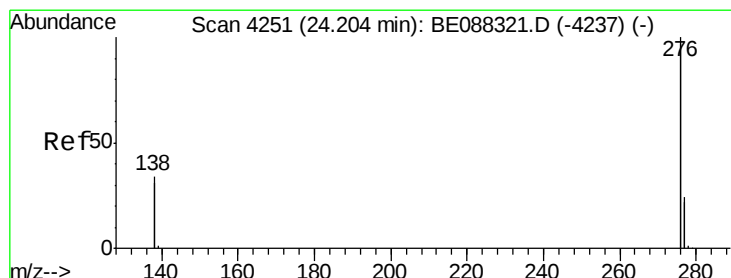
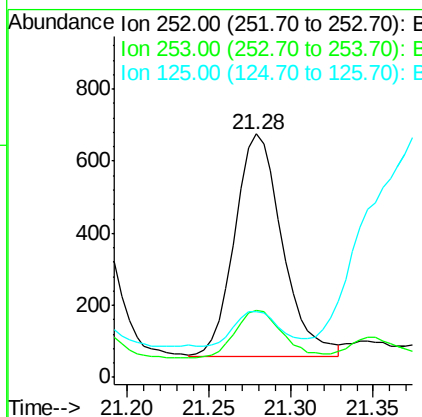
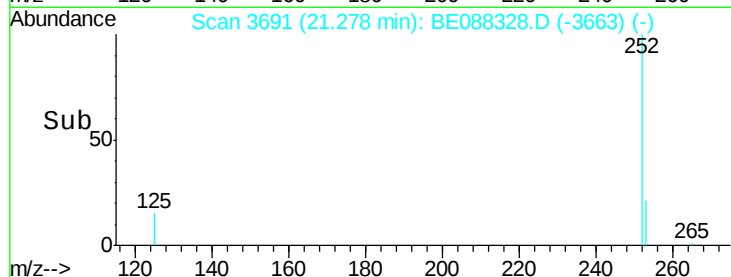
YS19-SB31-1014



Tgt Ion:	252	Resp:	1248
Ion Ratio	Lower	Upper	
252	100		
253	27.5	17.7	26.5#
125	27.2	13.2	19.8#

Manual Integrations
APPROVED

mohammad
10/29/2014 11:11:42 AM



#27

Benzo(g,h,i)perylene

Concen: 0.10 ng

RT: 24.20 min Scan# 4251

Delta R.T. -0.00 min

Lab File: BE088328.D

Acq: 27 Oct 2014 23:38

Tgt Ion:	276	Resp:	3739
Ion Ratio	Lower	Upper	
276	100		
277	35.4	19.1	28.7#
138	50.4	27.0	40.4#

