

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102214\
 Data File : BE088194.D
 Acq On : 22 Oct 2014 22:10
 Operator : TP/JJ
 Sample : F4325-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB14-1014

Manual Integrations
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Quant Time: Oct 27 04:44:50 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	26832	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	106260	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	54648	5.00	ng	0.00
12) Phenanthrene-d10	12.97	188	81035	5.00	ng	0.00
16) Chrysene-d12	18.39	240	51810	5.00	ng	0.00
22) Perylene-d12	21.45	264	49315	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.83	82	362696	47.35	ng	0.01
8) 2-Fluorobiphenyl	10.04	172	466877	30.93	ng	0.00
18) Terphenyl-d14	16.16	244	368894	44.25	ng	0.02
Target Compounds						Qvalue
5) Naphthalene	8.72	128	16022	0.73	ng	99
6) 2-Methylnaphthalene	9.57	142	14951	1.14	ng	95
9) Acenaphthylene	10.67	152	97816	1.17	ng	99
10) Acenaphthene	10.88	154	16590	1.29	ng	99
11) Fluorene	11.55	166	18916	1.39	ng	100
13) Phenanthrene	13.01	178	225556	3.72	ng	95
14) Anthracene	13.09	178	120278	1.90	ng	99
15) Fluoranthene	15.25	202	58575	3.80	ng	99
17) Pyrene	15.70	202	52499	3.73	ng	98
19) Benzo(a)anthracene	18.37	228	112018	2.43	ng	98
20) Chrysene	18.44	228	111050	2.46	ng	99
21) Indeno(1,2,3-cd)pyrene	23.64	276	96812m	1.93	ng	
23) Benzo(b)fluoranthene	20.69	252	28271	2.41	ng	99
24) Benzo(k)fluoranthene	20.74	252	22511	1.79	ng	99
25) Benzo(a)pyrene	21.33	252	24249	2.24	ng	98
26) Dibenzo(a,h)anthracene	23.74	278	14920	1.41	ng	99
27) Benzo(g,h,i)perylene	24.27	276	88047	1.88	ng	100

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

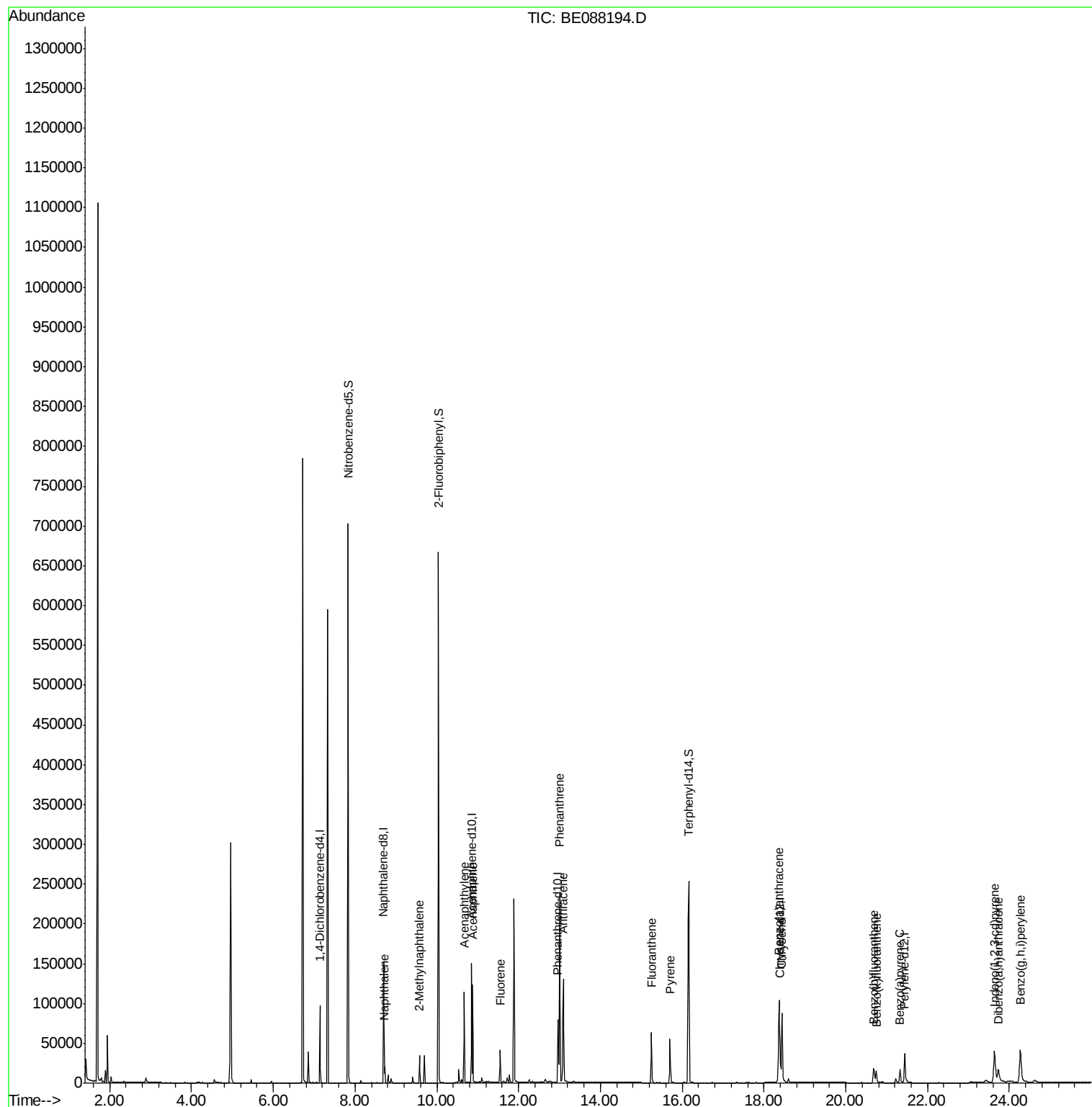
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102214\
Data File : BE088194.D
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Misc :
ALS Vial : 16 Sample Multiplier: 1

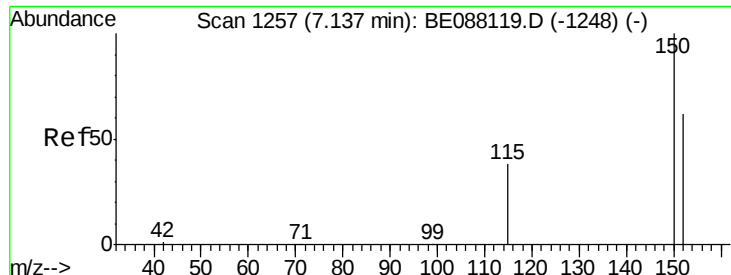
Instrument :
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YS19-SB14-1014

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Quant Time: Oct 27 04:44:50 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1259

Delta R.T. 0.00 min

Lab File: BE088194.D

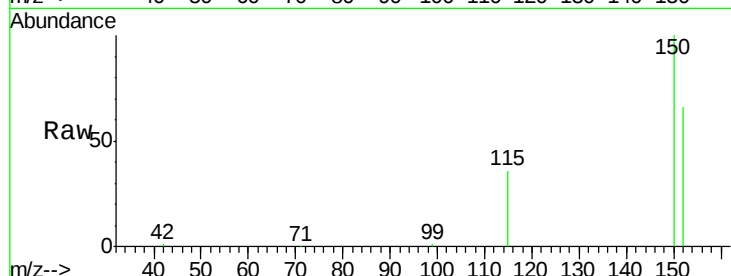
Acq: 22 Oct 2014 22:10

Instrument :

BNA_E

ClientSampleId :

YS19-SB14-1014



Tgt Ion:152 Resp: 26832

Ion Ratio Lower Upper

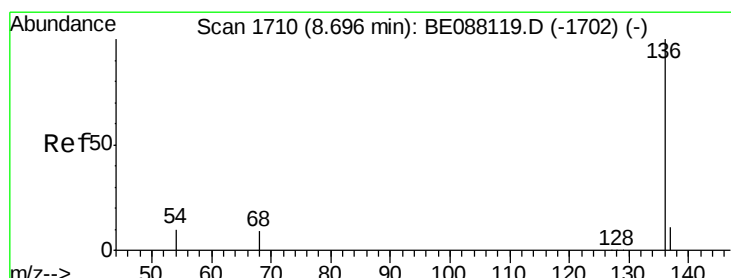
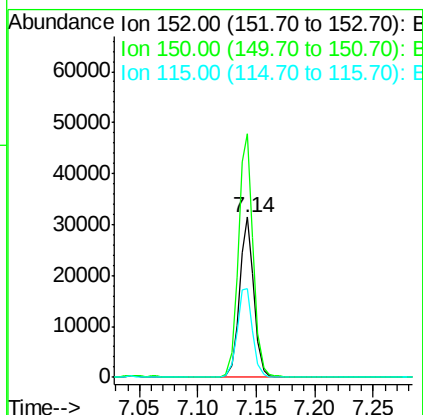
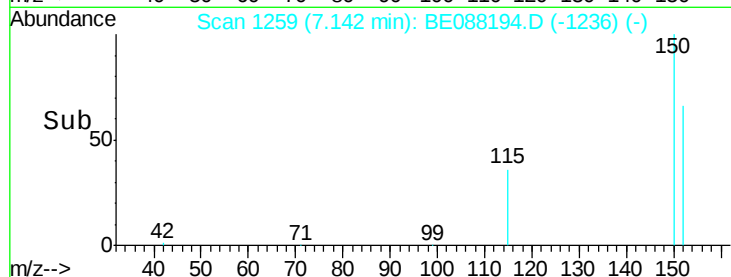
152 100

150 151.9 129.2 193.8

115 55.4 49.3 73.9

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#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.70 min Scan# 1712

Delta R.T. 0.00 min

Lab File: BE088194.D

Acq: 22 Oct 2014 22:10

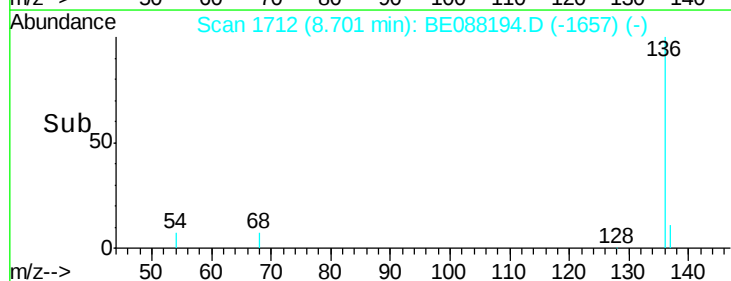
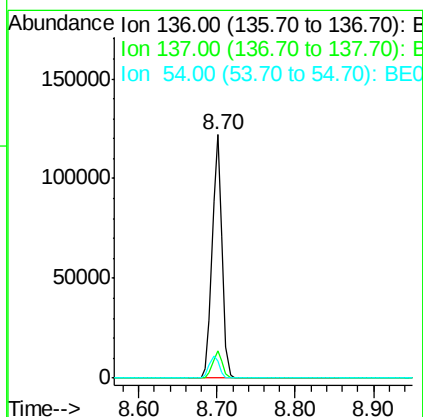
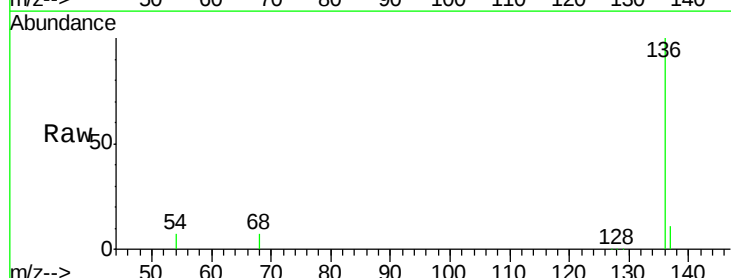
Tgt Ion:136 Resp: 106260

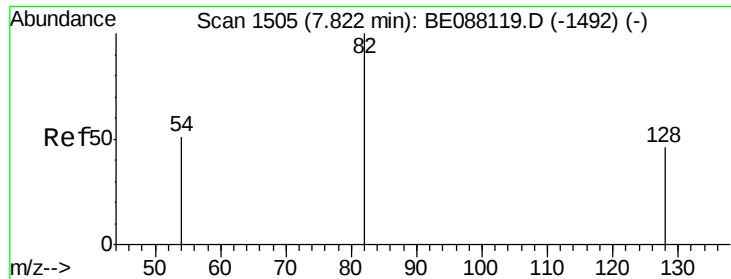
Ion Ratio Lower Upper

136 100

137 11.0 8.6 12.8

54 7.1 7.7 11.5#





#4

Nitrobenzene-d5

Concen: 47.35 ng

RT: 7.83 min Scan# 1511

Delta R.T. 0.01 min

Lab File: BE088194.D

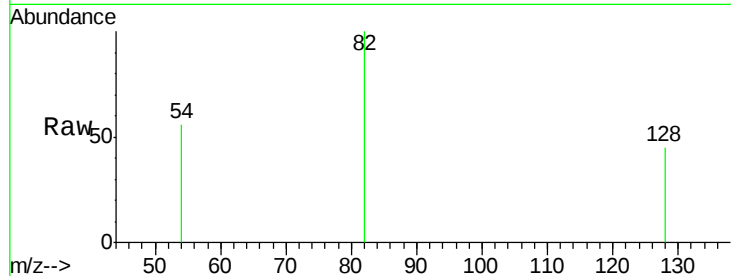
Acq: 22 Oct 2014 22:10

Instrument :

BNA_E

ClientSampleId :

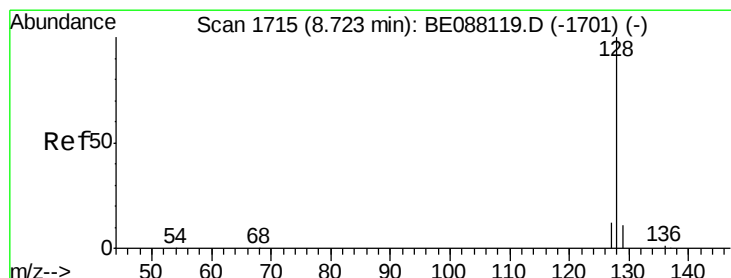
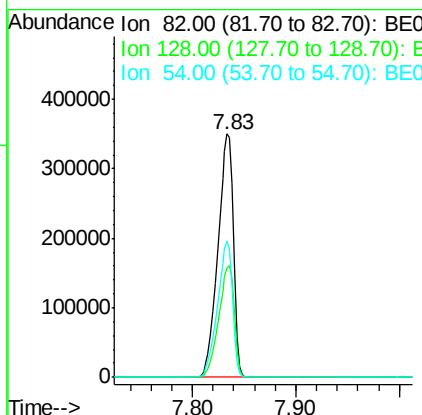
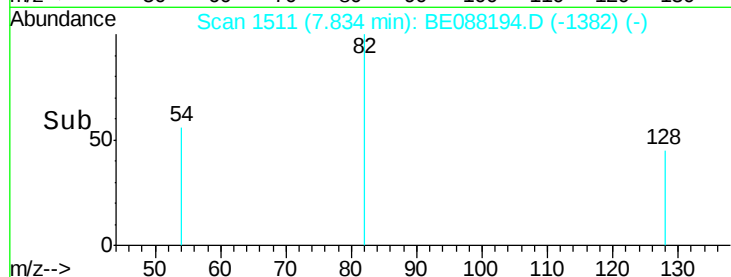
YS19-SB14-1014



Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.9	37.1	55.7
54	55.9	41.1	61.7

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#5

Naphthalene

Concen: 0.73 ng

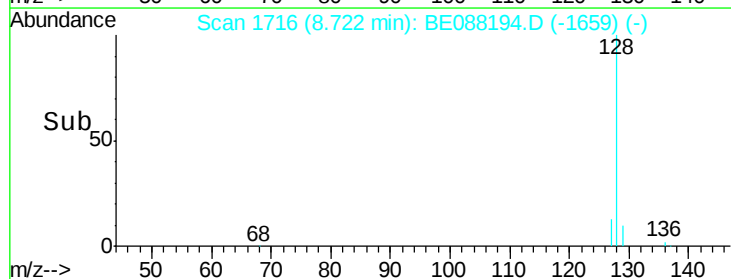
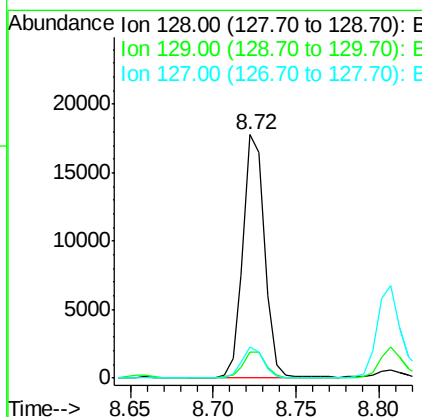
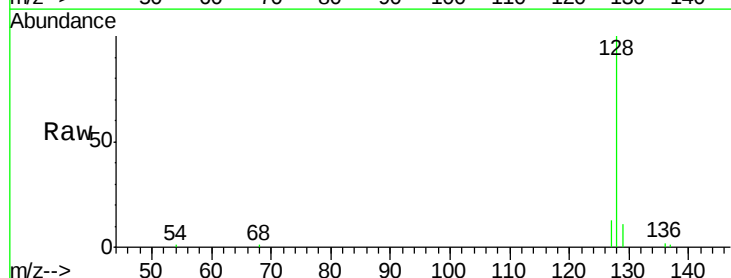
RT: 8.72 min Scan# 1716

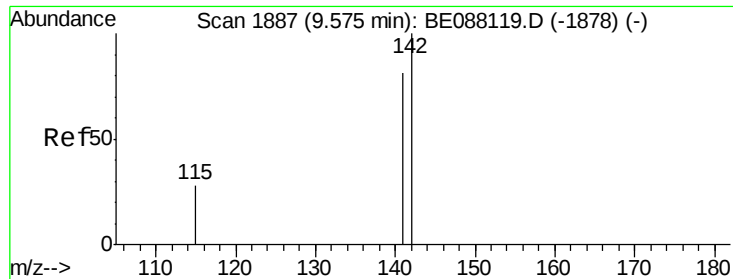
Delta R.T. -0.00 min

Lab File: BE088194.D

Acq: 22 Oct 2014 22:10

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	12.9	9.7	14.5





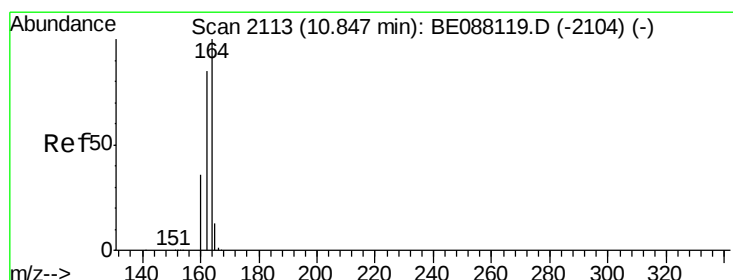
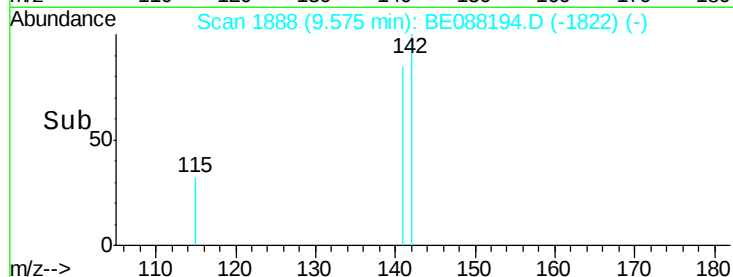
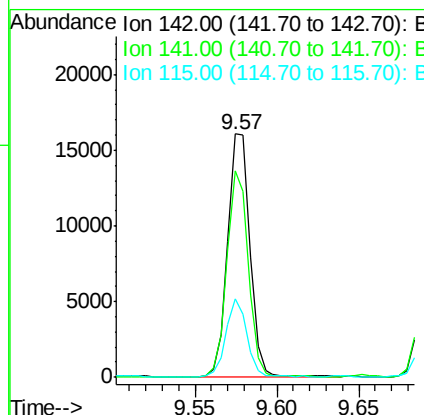
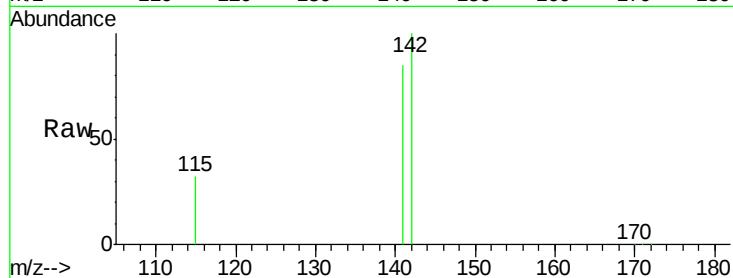
#6
2-Methylnaphthalene
Concen: 1.14 ng
RT: 9.57 min Scan# 1888
Delta R.T. -0.00 min
Lab File: BE088194.D
Acq: 22 Oct 2014 22:10

Instrument :
BNA_E
ClientSampleId :
YS19-SB14-1014

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.0	64.6	97.0
115	32.2	22.6	34.0

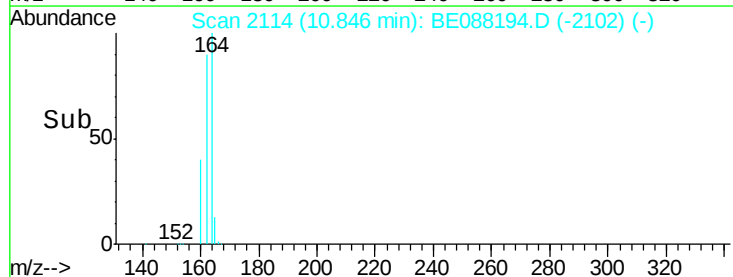
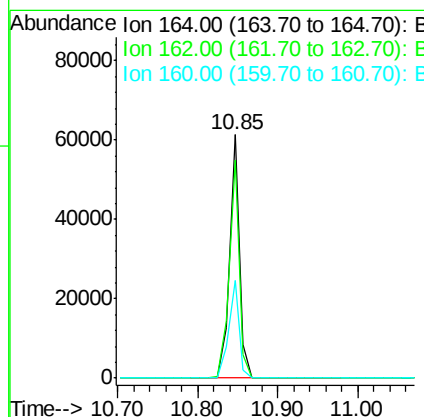
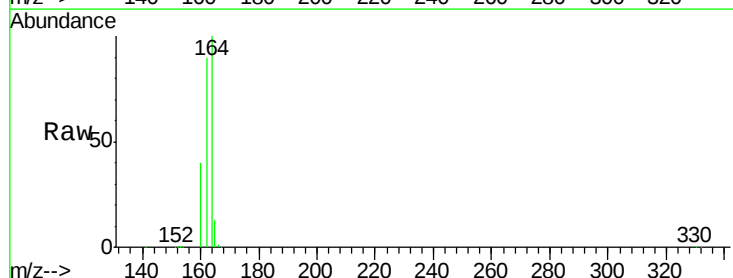
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#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.85 min Scan# 2114
Delta R.T. -0.00 min
Lab File: BE088194.D
Acq: 22 Oct 2014 22:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	89.7	68.3	102.5
160	40.0	28.7	43.1





#8

2-Fluorobiphenyl

Concen: 30.93 ng

RT: 10.04 min Scan# 1991

Delta R.T. 0.01 min

Lab File: BE088194.D

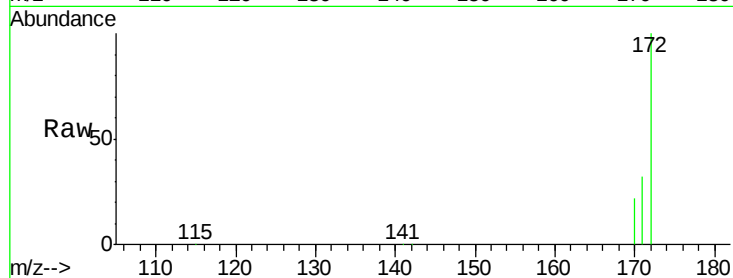
Acq: 22 Oct 2014 22:10

Instrument :

BNA_E

ClientSampleId :

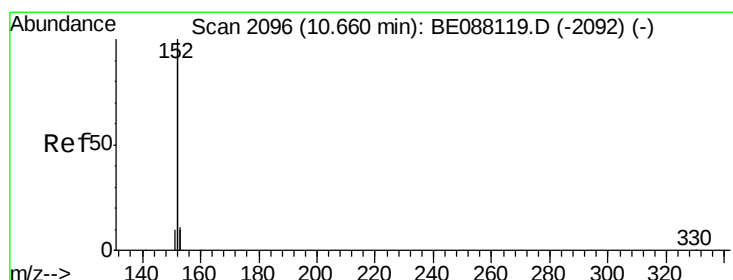
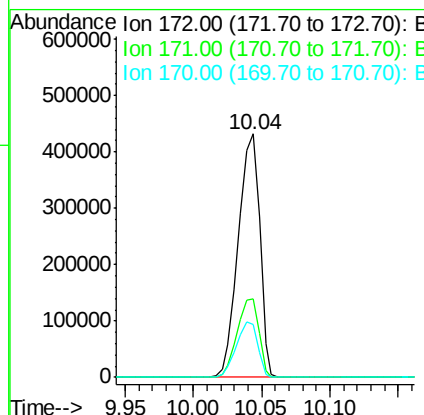
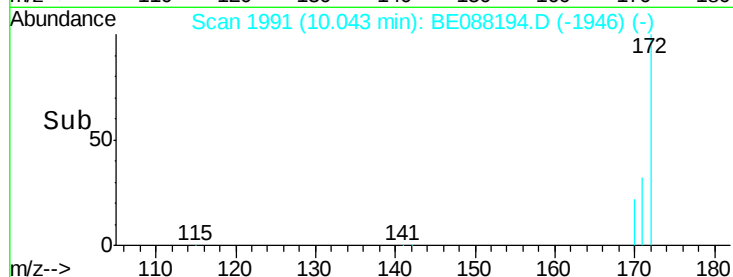
YS19-SB14-1014



Tgt Ion:	172	Resp:	466877
Ion Ratio	Lower	Upper	
172	100		
171	32.3	25.4	38.2
170	21.5	17.4	26.2

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#9

Acenaphthylene

Concen: 1.17 ng

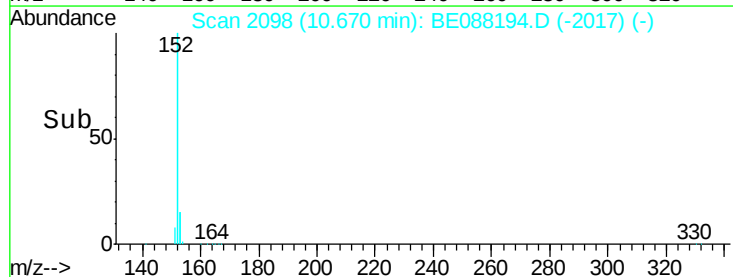
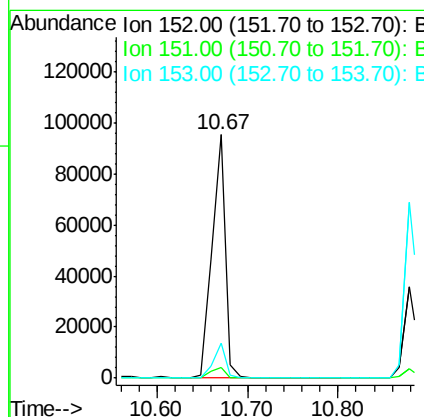
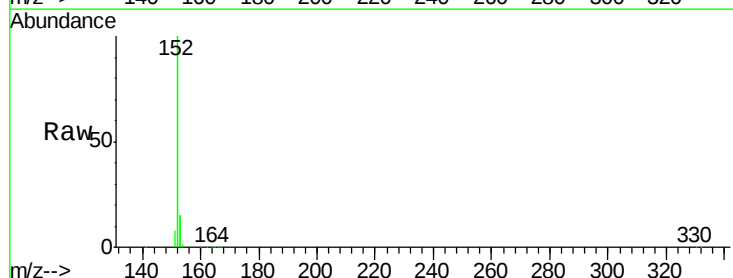
RT: 10.67 min Scan# 2098

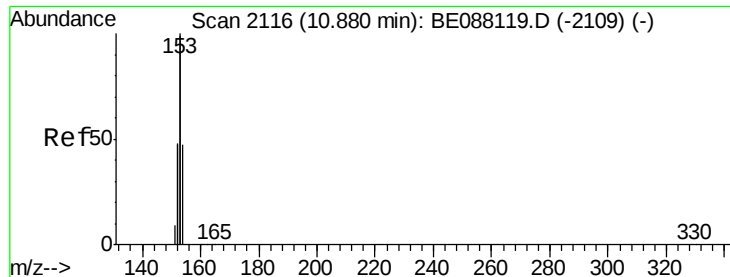
Delta R.T. 0.01 min

Lab File: BE088194.D

Acq: 22 Oct 2014 22:10

Tgt Ion:	152	Resp:	97816
Ion Ratio	Lower	Upper	
152	100		
151	4.6	3.7	5.5
153	13.3	10.4	15.6





#10

Acenaphthene

Concen: 1.29 ng

RT: 10.88 min Scan# 2117

Delta R.T. -0.00 min

Lab File: BE088194.D

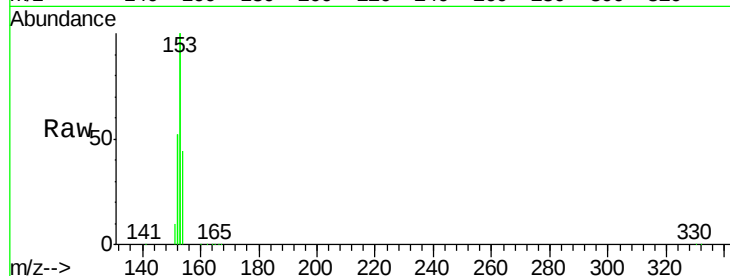
Acq: 22 Oct 2014 22:10

Instrument :

BNA_E

ClientSampleId :

YS19-SB14-1014



Tgt Ion:154 Resp: 16590

Ion Ratio Lower Upper

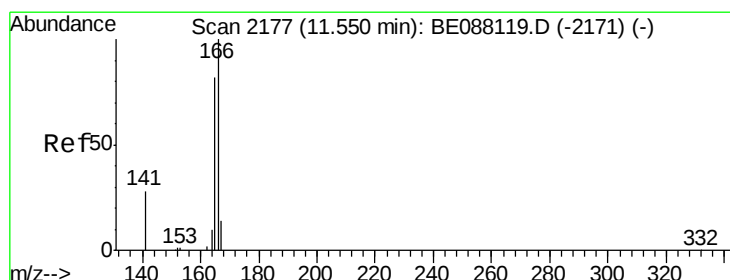
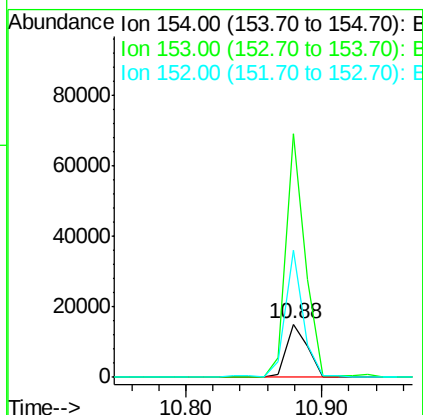
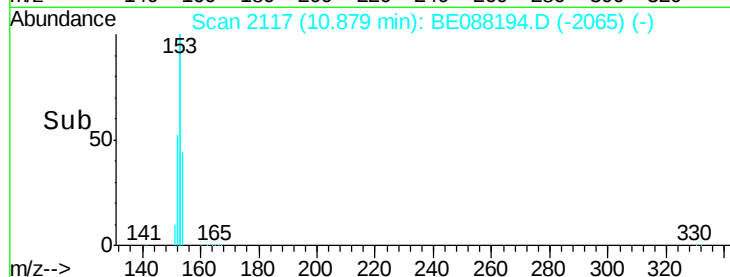
154 100

153 405.7 327.8 491.6

152 196.3 157.6 236.4

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#11

Fluorene

Concen: 1.39 ng

RT: 11.55 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BE088194.D

Acq: 22 Oct 2014 22:10

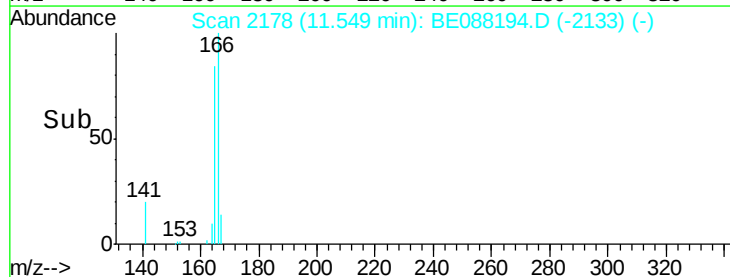
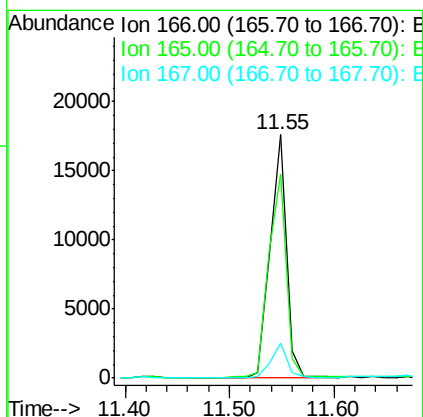
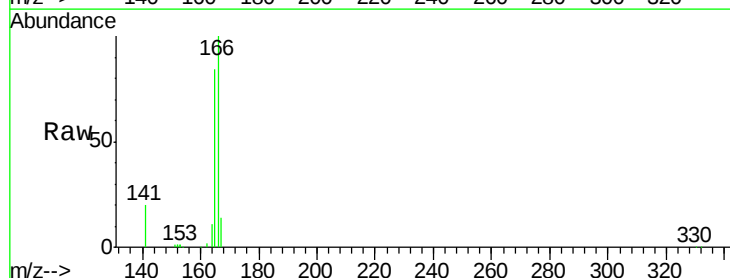
Tgt Ion:166 Resp: 18916

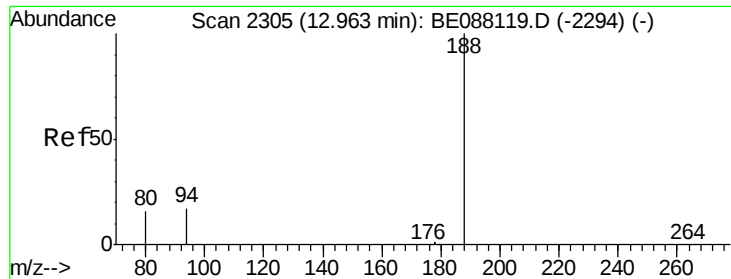
Ion Ratio Lower Upper

166 100

165 89.7 71.4 107.2

167 13.5 10.6 16.0





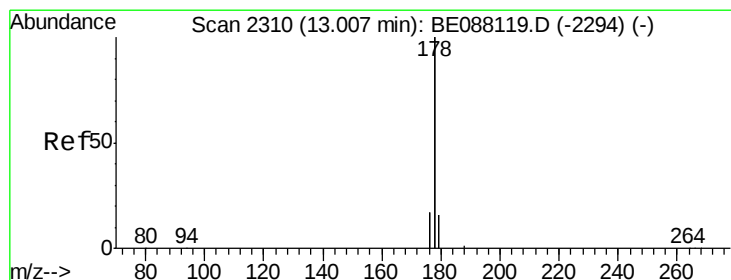
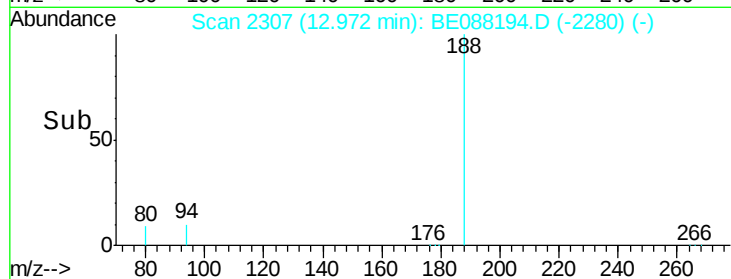
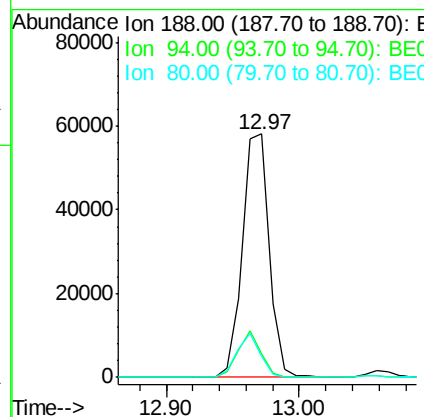
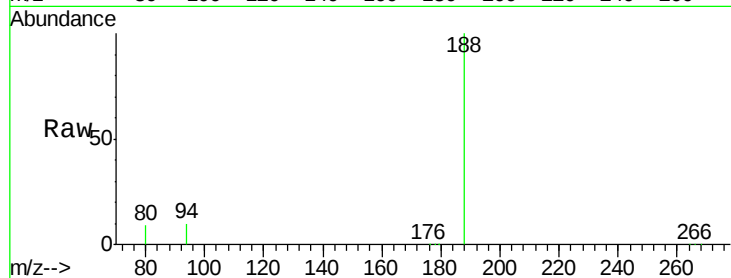
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.97 min Scan# 2307
Delta R.T. 0.01 min
Lab File: BE088194.D
Acq: 22 Oct 2014 22:10

Instrument :
BNA_E
ClientSampleId :
YS19-SB14-1014

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.8	13.9	20.9#
80	8.6	12.9	19.3#

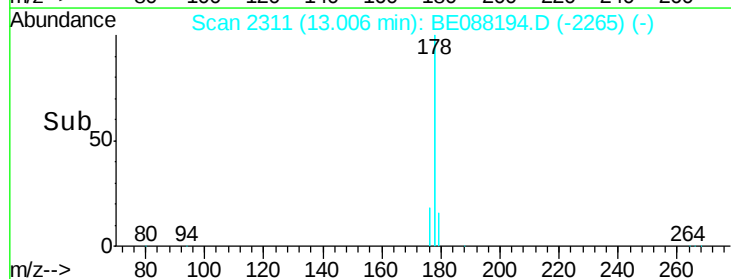
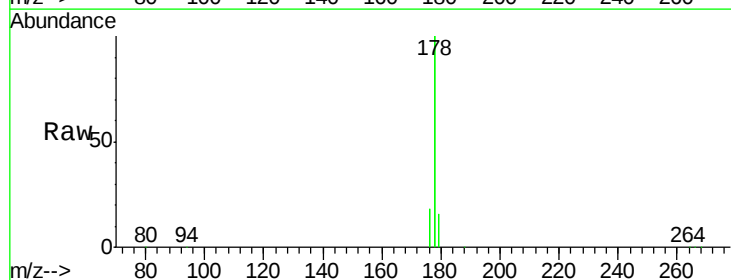
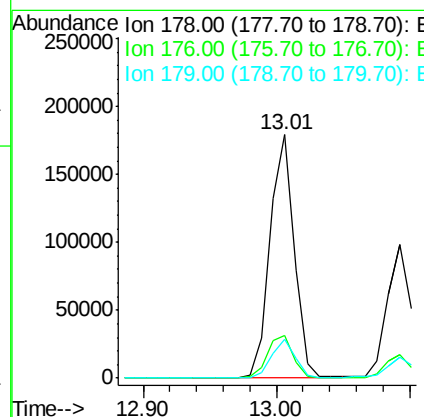
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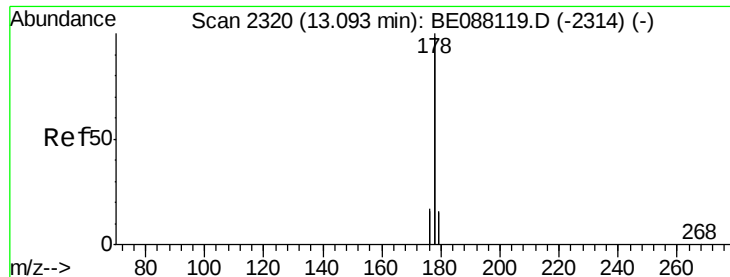
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#13
Phenanthrene
Concen: 3.72 ng
RT: 13.01 min Scan# 2311
Delta R.T. 0.00 min
Lab File: BE088194.D
Acq: 22 Oct 2014 22:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.6	12.5	18.7
179	15.6	13.5	20.3





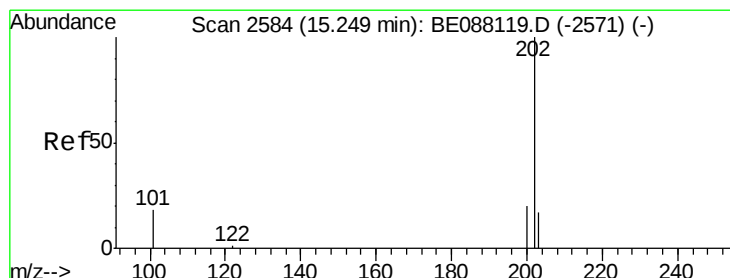
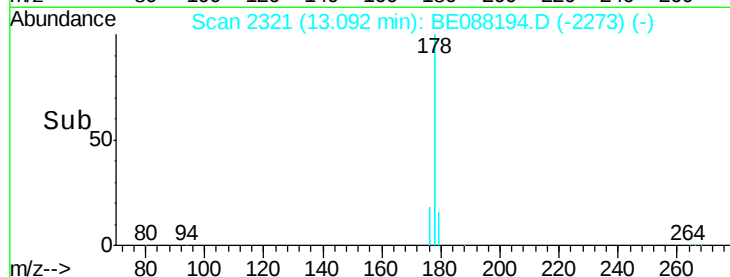
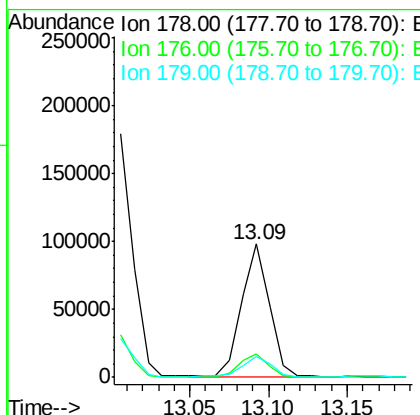
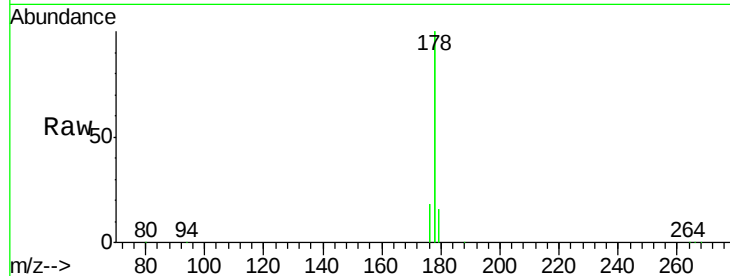
#14
 Anthracene
 Concen: 1.90 ng
 RT: 13.09 min Scan# 2321
 Delta R.T. -0.00 min
 Lab File: BE088194.D
 Acq: 22 Oct 2014 22:10

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB14-1014

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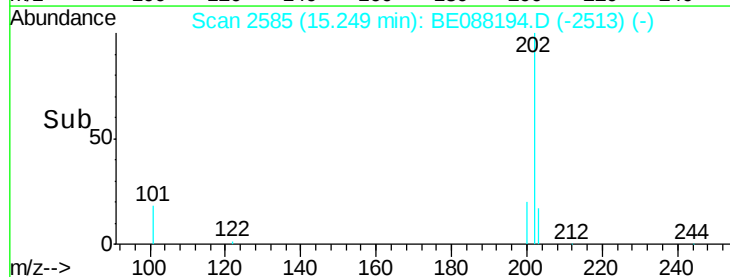
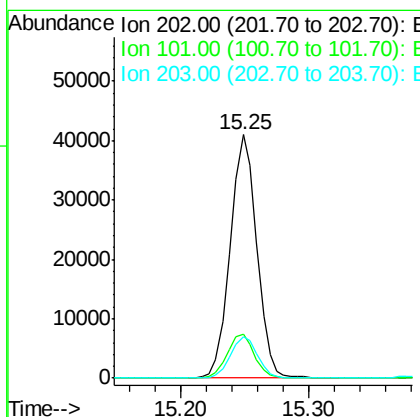
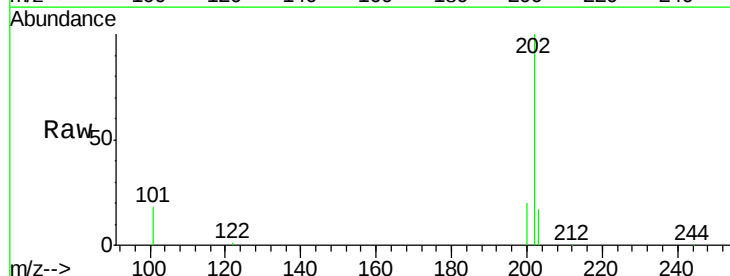
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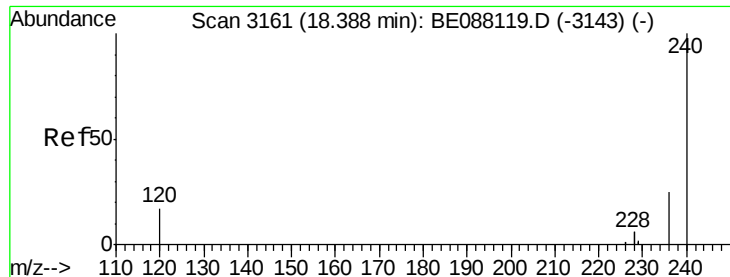
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	16.8	12.5	18.7



#15
 Fluoranthene
 Concen: 3.80 ng
 RT: 15.25 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: BE088194.D
 Acq: 22 Oct 2014 22:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.4	14.8	22.2
203	17.3	13.5	20.3





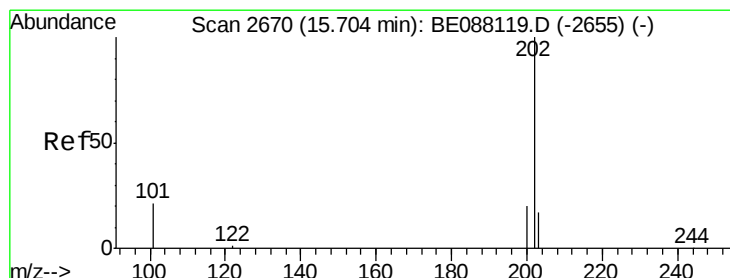
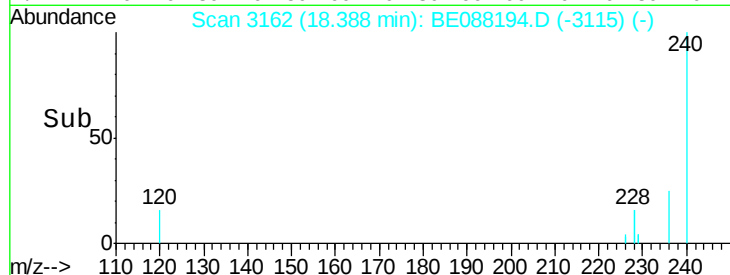
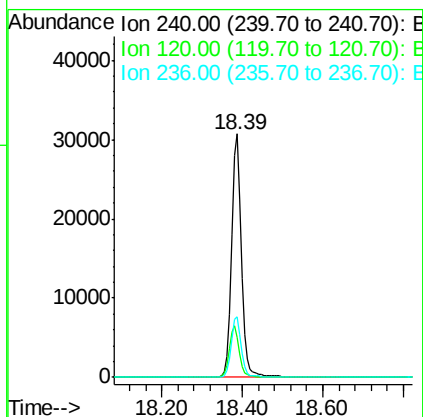
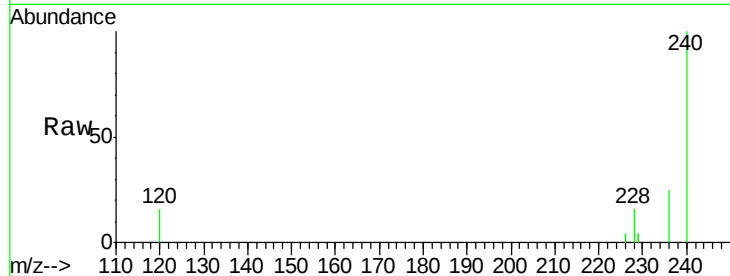
#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.39 min Scan# 3162
Delta R.T. 0.00 min
Lab File: BE088194.D
Acq: 22 Oct 2014 22:10

Instrument :
BNA_E
ClientSampleId :
YS19-SB14-1014

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.4	13.9	20.9
236	24.9	19.9	29.9

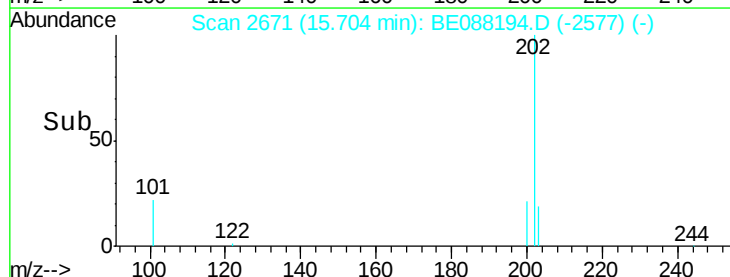
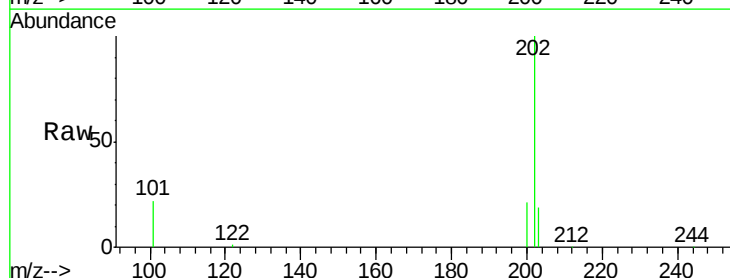
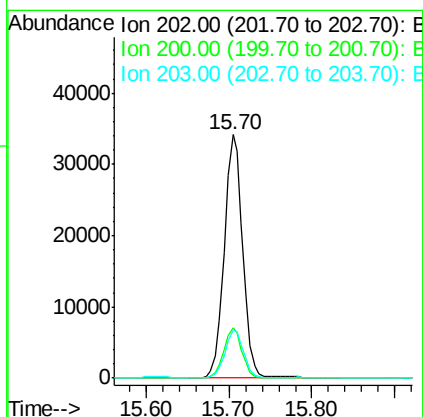
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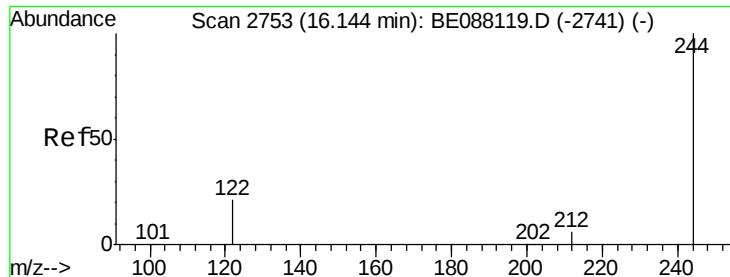
mohammad
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#17
Pyrene
Concen: 3.73 ng
RT: 15.70 min Scan# 2671
Delta R.T. -0.00 min
Lab File: BE088194.D
Acq: 22 Oct 2014 22:10

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.1	24.1
203	19.6	13.9	20.9





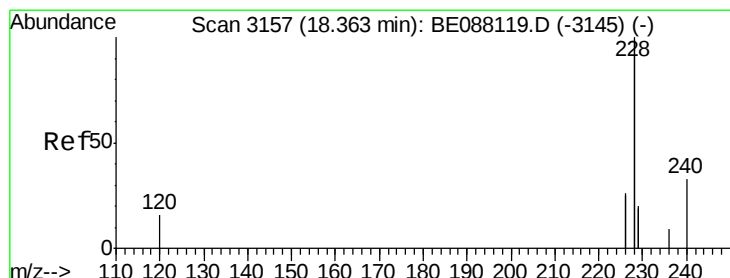
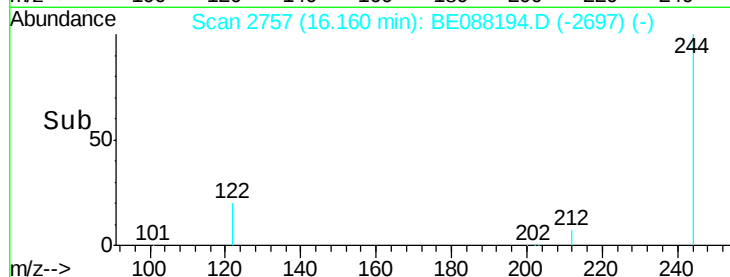
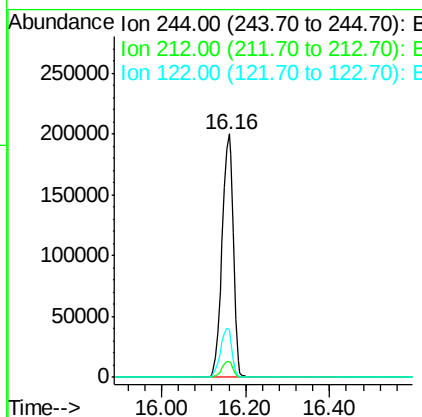
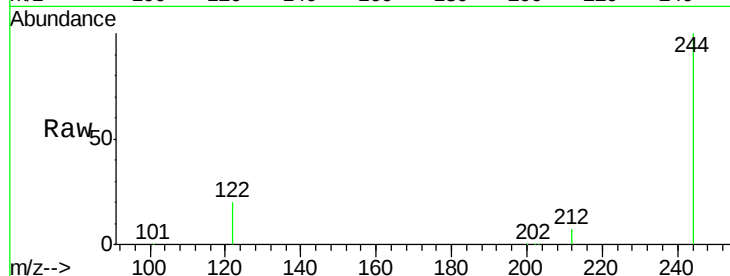
#18
 Terphenyl-d14
 Concen: 44.25 ng
 RT: 16.16 min Scan# 2757
 Delta R.T. 0.02 min
 Lab File: BE088194.D
 Acq: 22 Oct 2014 22:10

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB14-1014

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	368894		
212	6.7	5.4	8.0	
122	19.6	17.5	26.3	

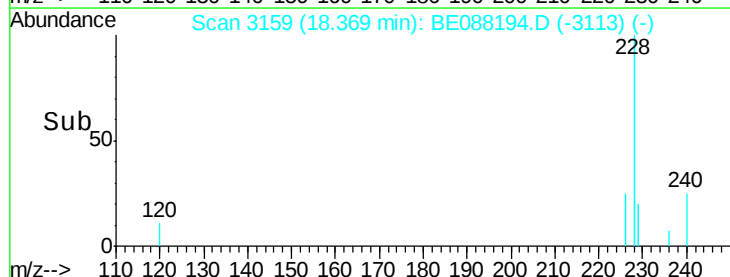
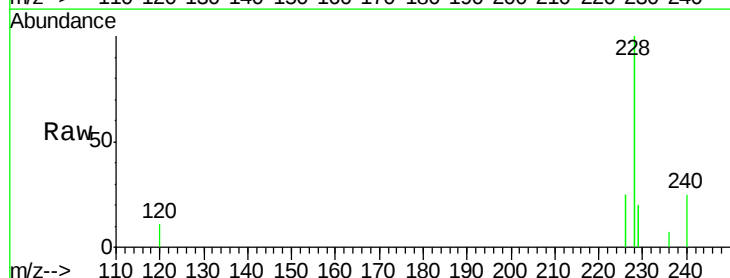
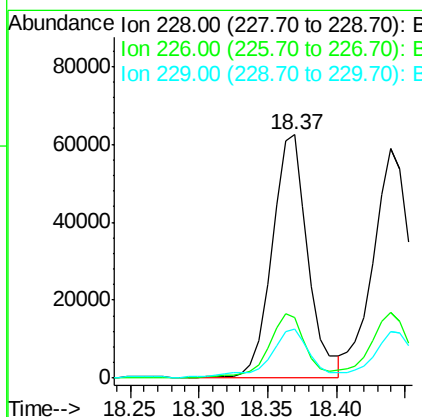
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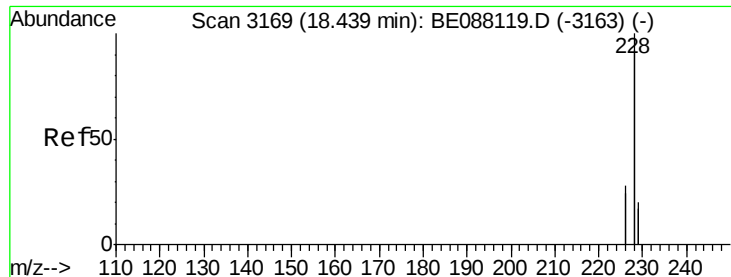
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#19
 Benzo(a)anthracene
 Concen: 2.43 ng
 RT: 18.37 min Scan# 3159
 Delta R.T. 0.01 min
 Lab File: BE088194.D
 Acq: 22 Oct 2014 22:10

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	112018		
226	24.9	20.8	31.2	
229	20.4	15.6	23.4	





#20

Chrysene

Concen: 2.46 ng

RT: 18.44 min Scan# 3170

Delta R.T. 0.00 min

Lab File: BE088194.D

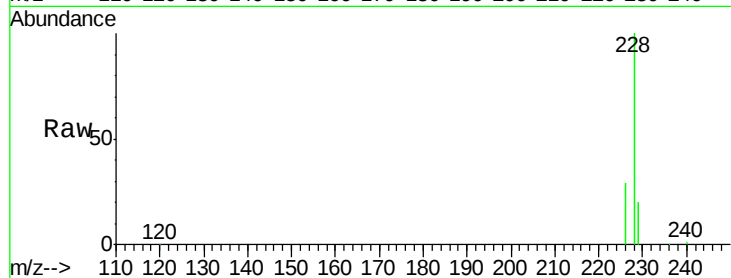
Acq: 22 Oct 2014 22:10

Instrument :

BNA_E

ClientSampleId :

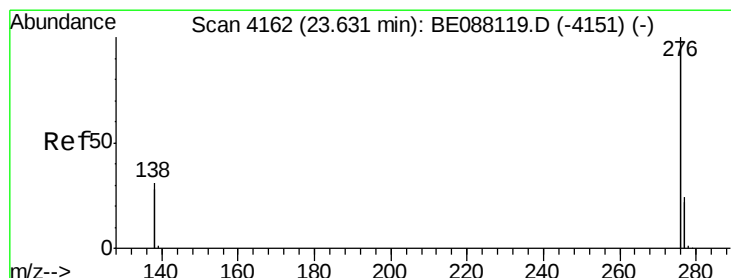
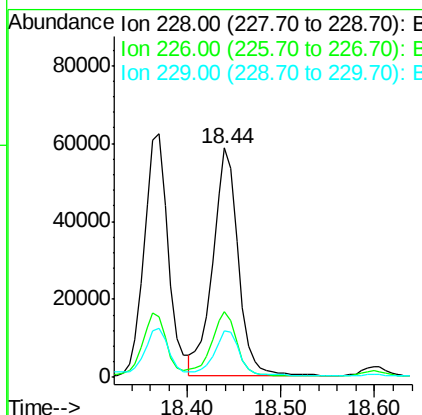
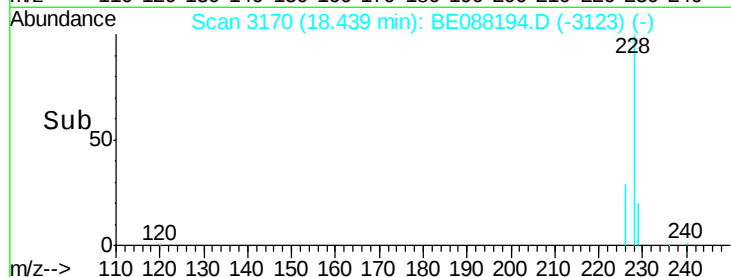
YS19-SB14-1014



Tgt Ion:	228	Resp:	111050
Ion Ratio	Lower	Upper	
228	100		
226	28.8	22.7	34.1
229	20.2	15.8	23.6

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#21

Indeno(1,2,3-cd)pyrene

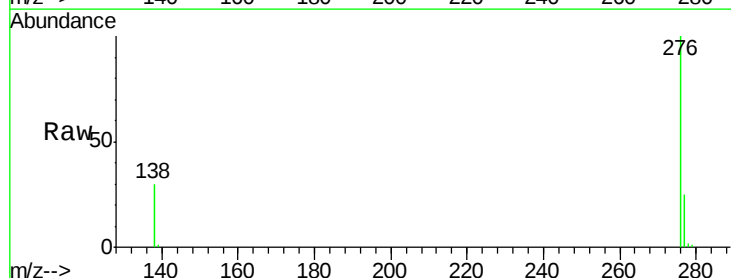
Concen: 1.93 ng m

RT: 23.64 min Scan# 4164

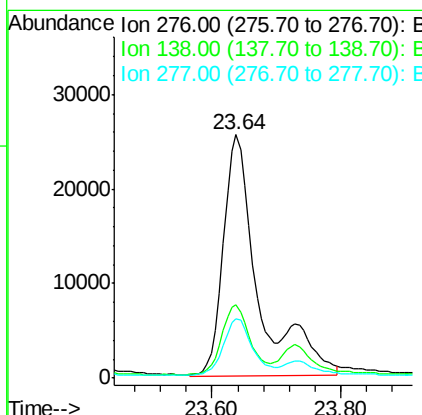
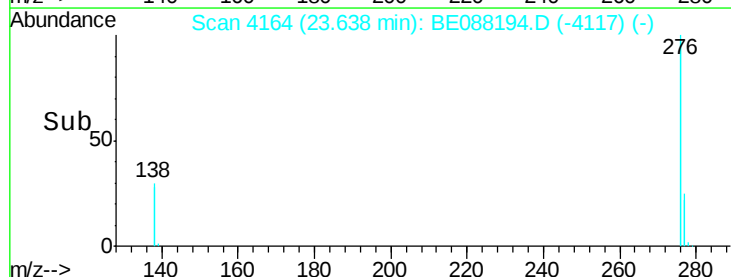
Delta R.T. 0.01 min

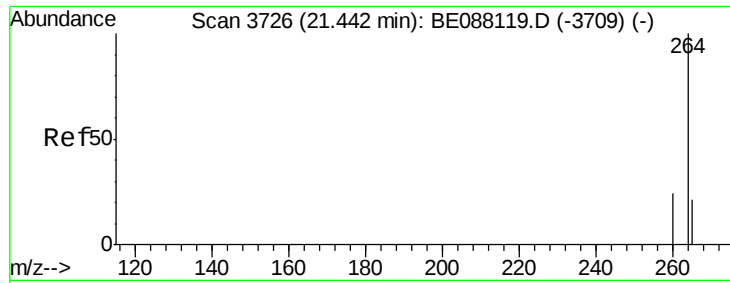
Lab File: BE088194.D

Acq: 22 Oct 2014 22:10



Tgt Ion:	276	Resp:	96812
Ion Ratio	Lower	Upper	
276	100		
138	23.2	18.5	27.7
277	19.5	14.6	21.8





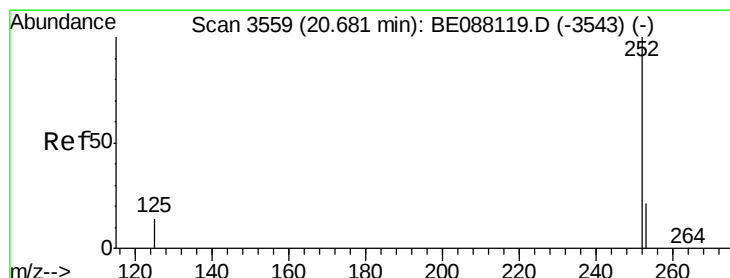
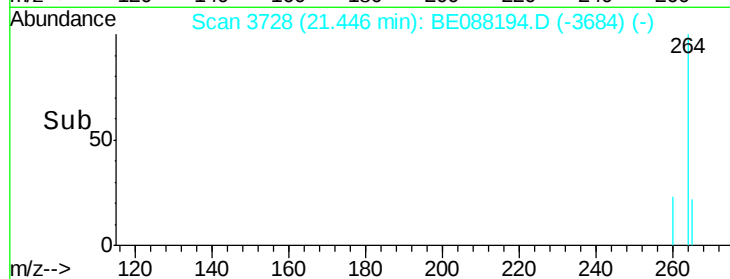
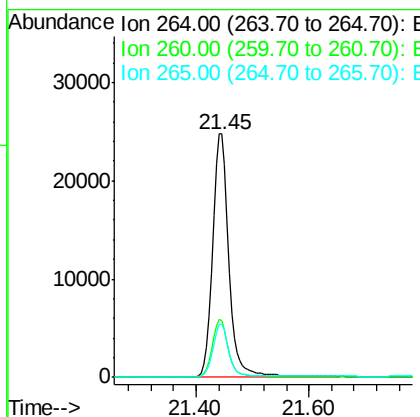
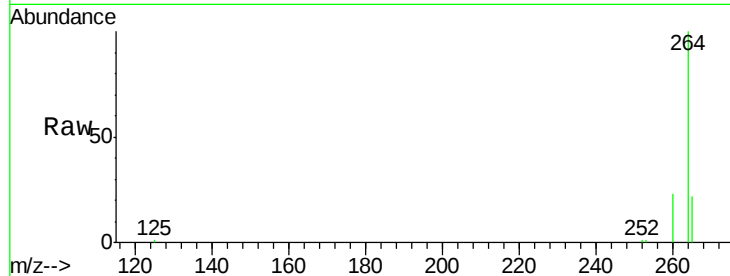
#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.45 min Scan# 3728
 Delta R.T. 0.00 min
 Lab File: BE088194.D
 Acq: 22 Oct 2014 22:10

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB14-1014

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	49315		
260	23.5	19.0	28.4	
265	21.8	17.2	25.8	

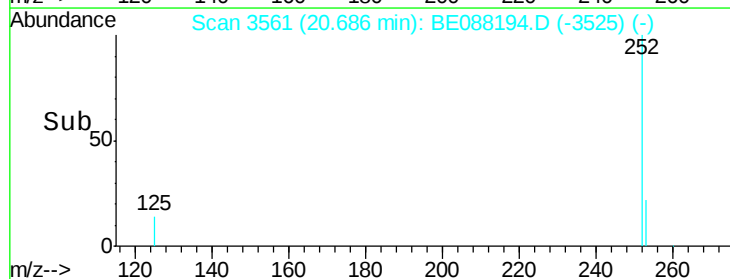
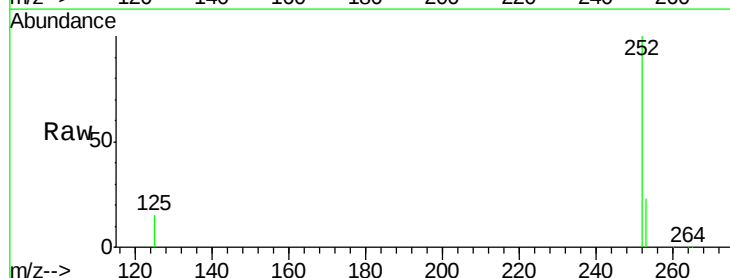
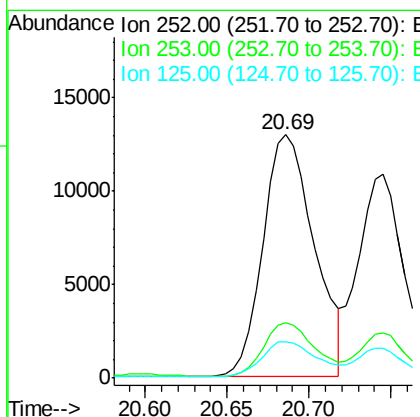
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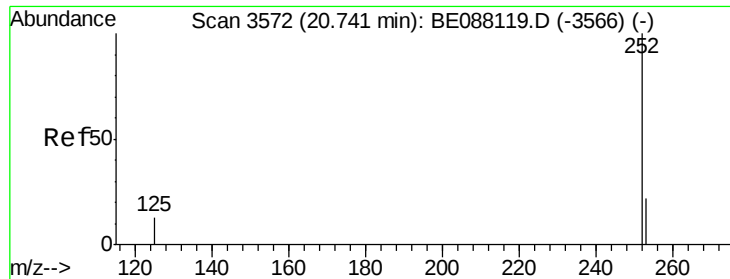
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#23
 Benzo(b)fluoranthene
 Concen: 2.41 ng
 RT: 20.69 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: BE088194.D
 Acq: 22 Oct 2014 22:10

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	28271		
253	22.5	17.4	26.0	
125	14.8	11.8	17.8	





#24

Benzo(k)fluoranthene

Concen: 1.79 ng

RT: 20.74 min Scan# 3574

Delta R.T. 0.00 min

Lab File: BE088194.D

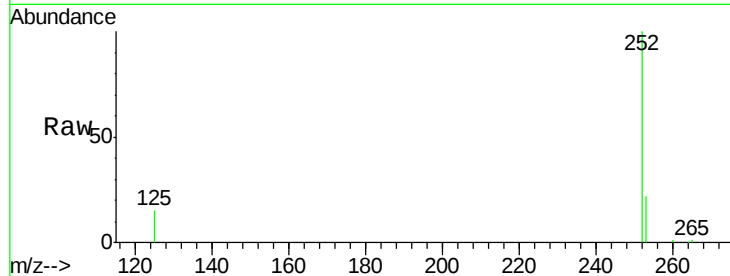
Acq: 22 Oct 2014 22:10

Instrument :

BNA_E

ClientSampleId :

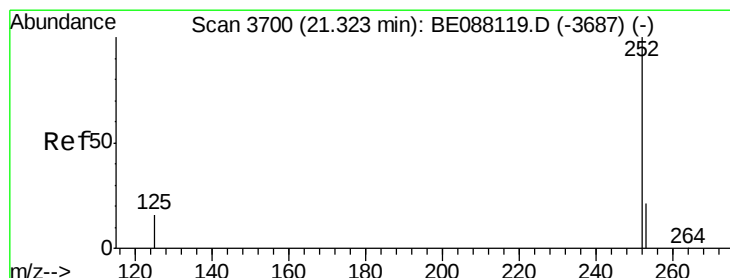
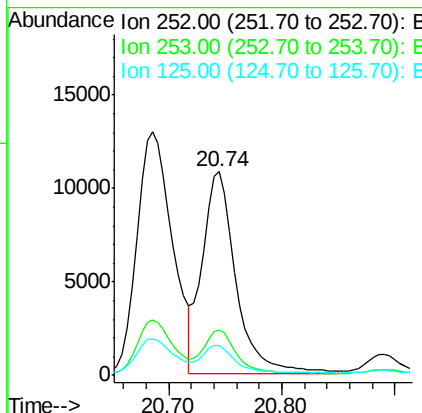
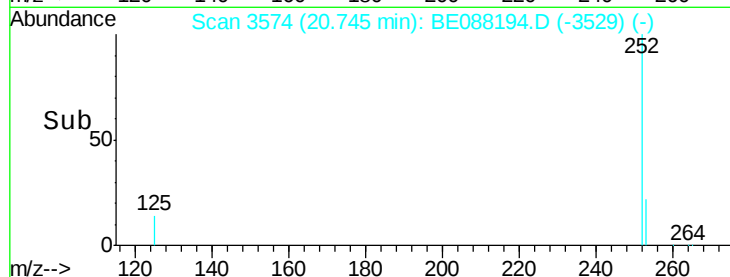
YS19-SB14-1014



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	14.7	11.5	17.3

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#25

Benzo(a)pyrene

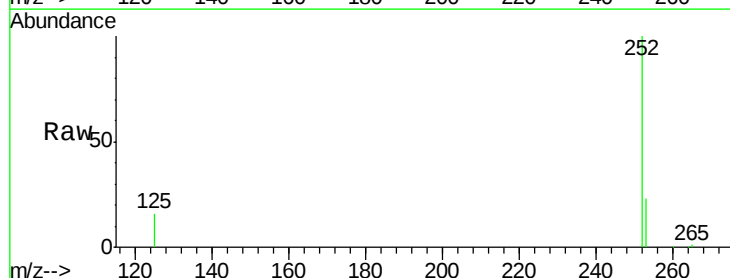
Concen: 2.24 ng

RT: 21.33 min Scan# 3702

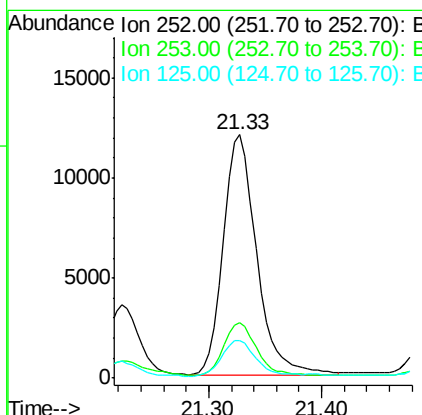
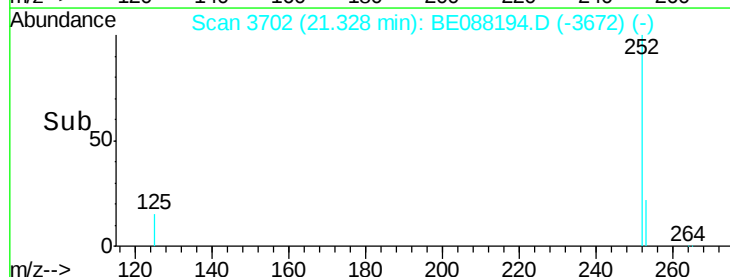
Delta R.T. 0.00 min

Lab File: BE088194.D

Acq: 22 Oct 2014 22:10



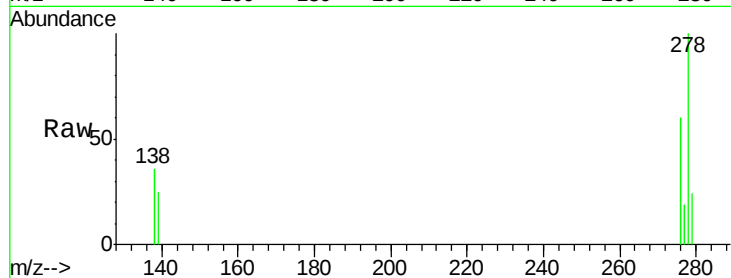
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	15.6	13.0	19.6





#26
Dibenzo(a,h)anthracene
Concen: 1.41 ng
RT: 23.74 min Scan# 4179
Delta R.T. 0.01 min
Lab File: BE088194.D
Acq: 22 Oct 2014 22:10

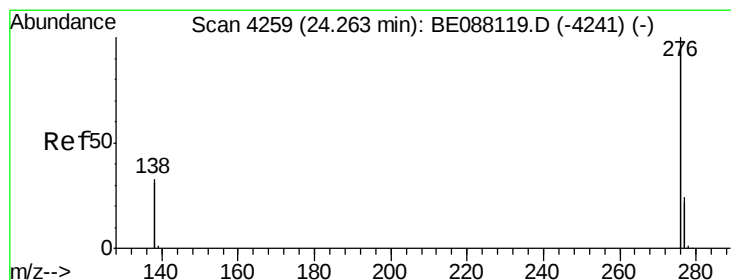
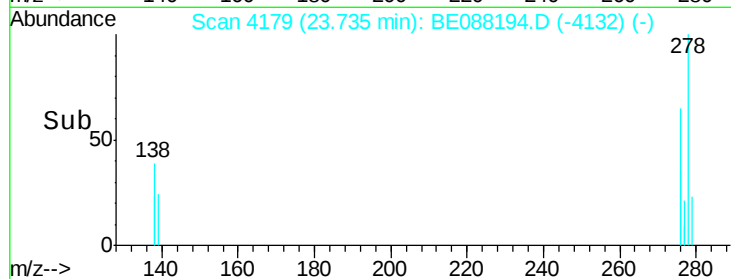
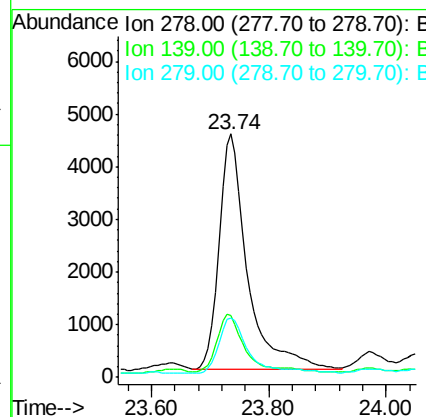
Instrument :
BNA_E
ClientSampleId :
YS19-SB14-1014



Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.3	20.9	31.3
279	24.5	19.8	29.8

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#27
Benzo(g,h,i)perylene
Concen: 1.88 ng
RT: 24.27 min Scan# 4261
Delta R.T. 0.01 min
Lab File: BE088194.D
Acq: 22 Oct 2014 22:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.2	28.8
138	33.0	26.6	40.0

