

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102214\
 Data File : BE088195.D
 Acq On : 22 Oct 2014 22:46
 Operator : TP/JJ
 Sample : F4325-16
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB12-1014

Manual Integrations
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Quant Time: Oct 27 04:50:55 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	30749	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	117341	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	60516	5.00	ng	0.00
12) Phenanthrene-d10	12.97	188	89966	5.00	ng	0.00
16) Chrysene-d12	18.38	240	56237	5.00	ng	0.00
22) Perylene-d12	21.45	264	53509	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.84	82	399950	47.28	ng	0.01
8) 2-Fluorobiphenyl	10.04	172	509562	30.48	ng	0.00
18) Terphenyl-d14	16.16	244	402722	44.50	ng	0.02
Target Compounds						Qvalue
5) Naphthalene	8.72	128	2811	0.12	ng	97
6) 2-Methylnaphthalene	9.58	142	3214	0.22	ng	97
9) Acenaphthylene	10.67	152	26085	0.28	ng	99
10) Acenaphthene	10.88	154	4455	0.31	ng	91
11) Fluorene	11.55	166	5155	0.34	ng	99
13) Phenanthrene	13.01	178	60230	0.72	ng	97
14) Anthracene	13.09	178	32397	0.46	ng	97
15) Fluoranthene	15.25	202	17728	1.04	ng	100
17) Pyrene	15.70	202	15751	1.03	ng	98
19) Benzo(a)anthracene	18.37	228	33418	0.67	ng	99
20) Chrysene	18.44	228	36167	0.74	ng	98
21) Indeno(1,2,3-cd)pyrene	23.64	276	27935m	0.51	ng	
23) Benzo(b)fluoranthene	20.69	252	8838	0.69	ng	97
24) Benzo(k)fluoranthene	20.74	252	6808	0.50	ng	95
25) Benzo(a)pyrene	21.33	252	7031	0.60	ng	98
26) Dibenzo(a,h)anthracene	23.73	278	3989	0.35	ng	94
27) Benzo(g,h,i)perylene	24.27	276	25746	0.51	ng	97

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

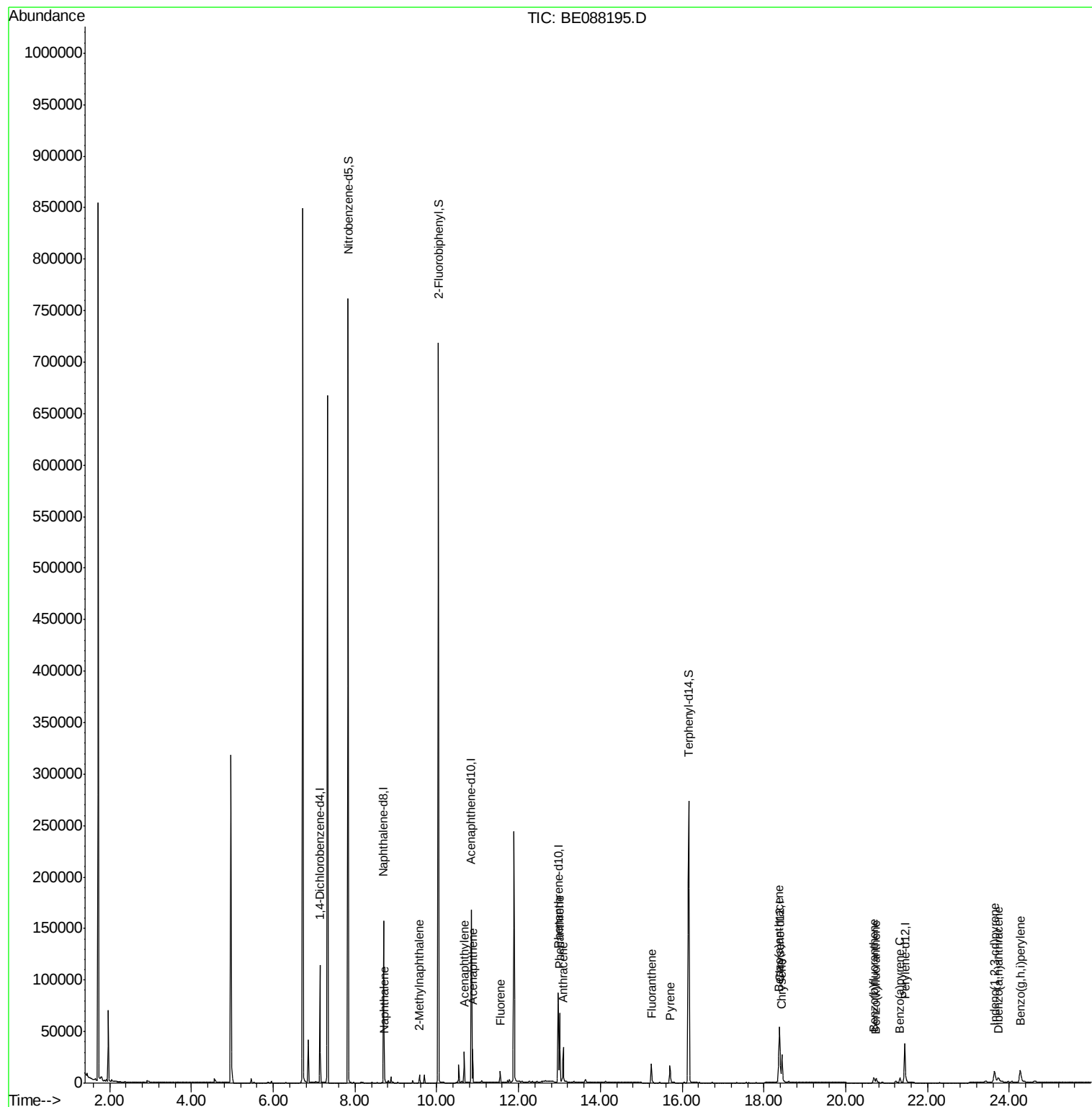
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102214\
Data File : BE088195.D
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Misc :
ALS Vial : 17 Sample Multiplier: 1

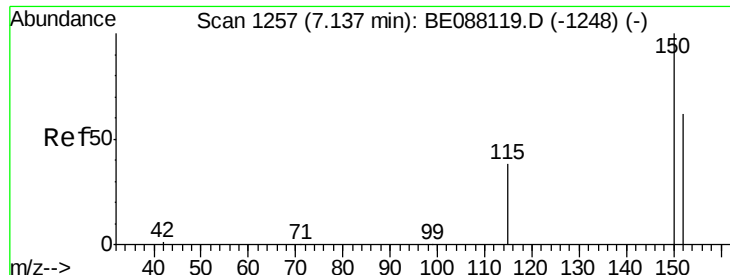
Instrument :
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YS19-SB12-1014

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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# 1258

Delta R.T. 0.00 min

Lab File: BE088195.D

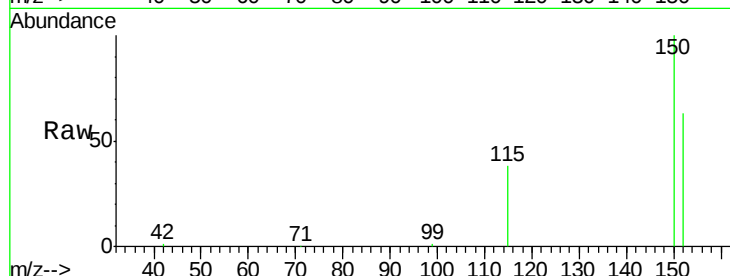
Acq: 22 Oct 2014 22:46

Instrument :

BNA_E

ClientSampleId :

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Tgt Ion:152 Resp: 30749

Ion Ratio Lower Upper

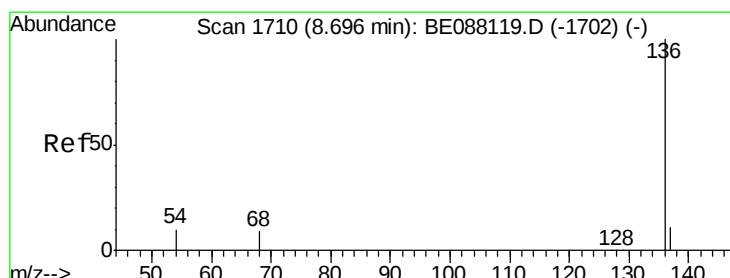
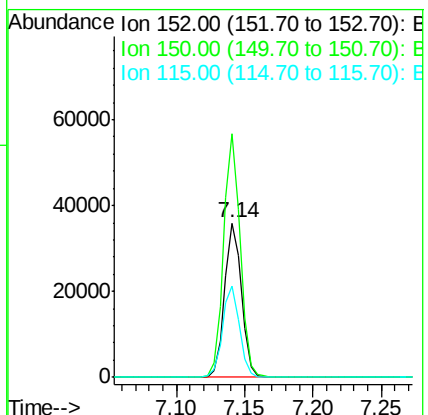
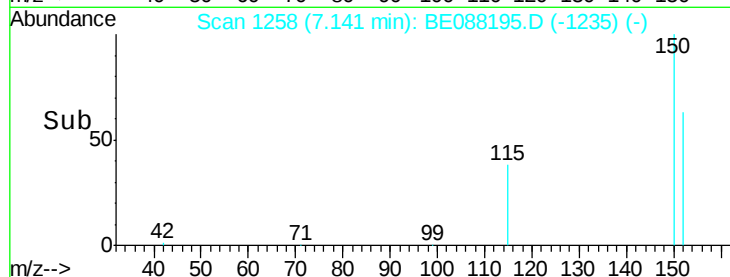
152 100

150 157.8 129.2 193.8

115 59.5 49.3 73.9

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#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.70 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BE088195.D

Acq: 22 Oct 2014 22:46

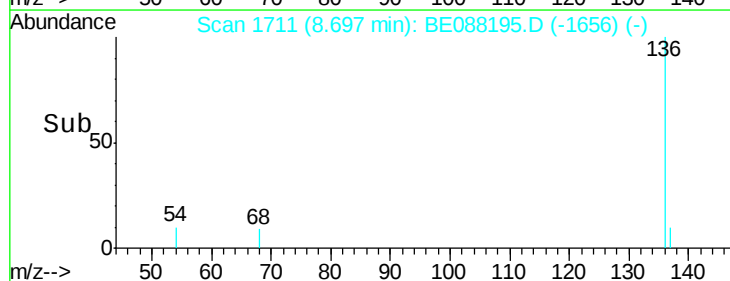
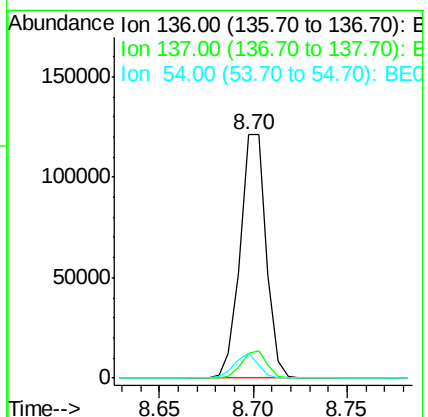
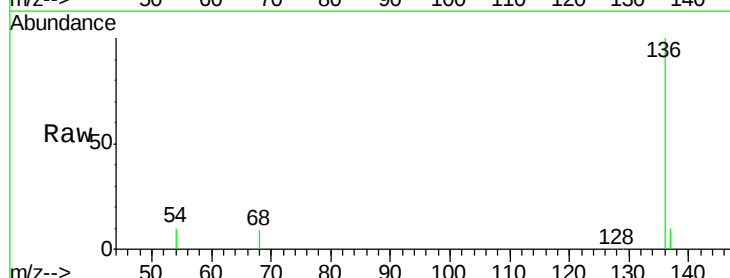
Tgt Ion:136 Resp: 117341

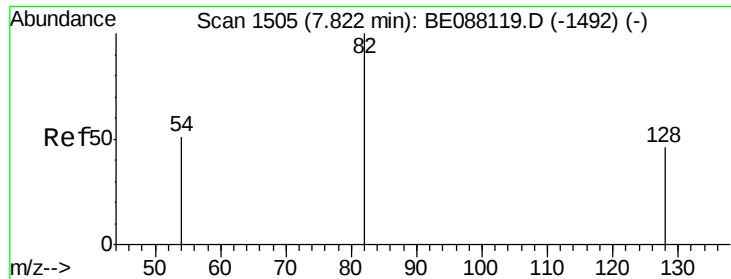
Ion Ratio Lower Upper

136 100

137 10.4 8.6 12.8

54 10.3 7.7 11.5





#4

Nitrobenzene-d5

Concen: 47.28 ng

RT: 7.84 min Scan# 1511

Delta R.T. 0.01 min

Lab File: BE088195.D

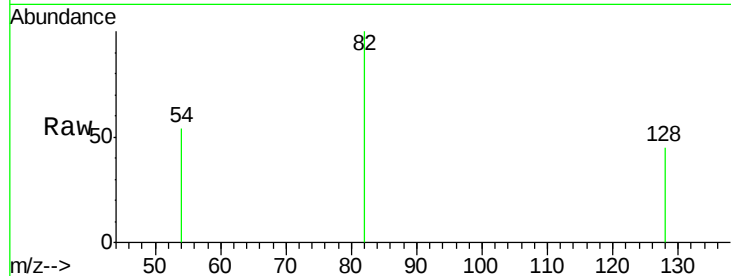
Acq: 22 Oct 2014 22:46

Instrument :

BNA_E

ClientSampleId :

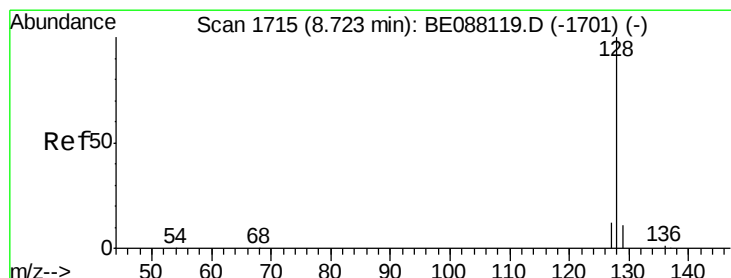
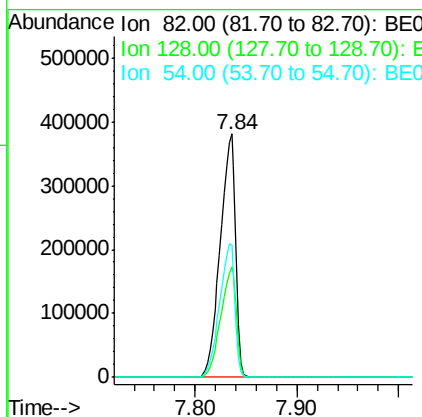
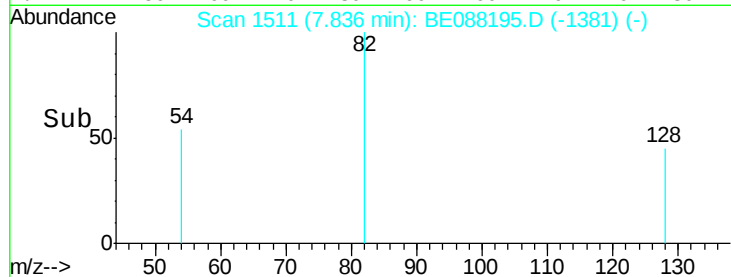
YS19-SB12-1014



Tgt Ion:	82	Resp:	399950
Ion Ratio	Lower	Upper	
82	100		
128	45.4	37.1	55.7
54	54.4	41.1	61.7

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#5

Naphthalene

Concen: 0.12 ng

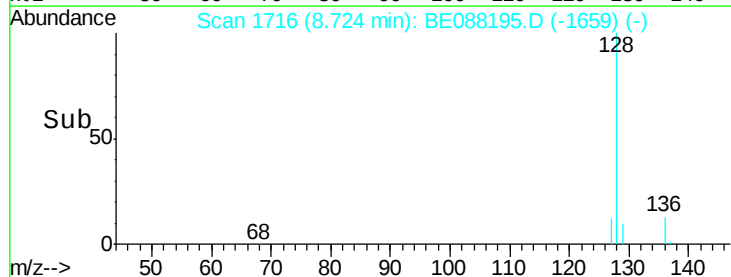
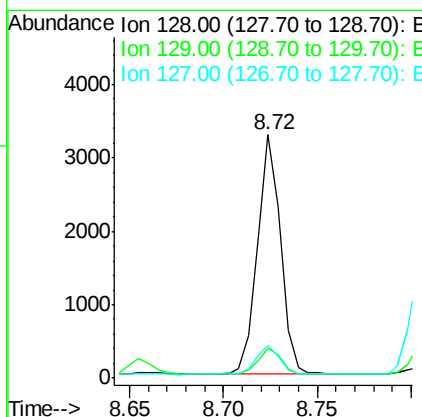
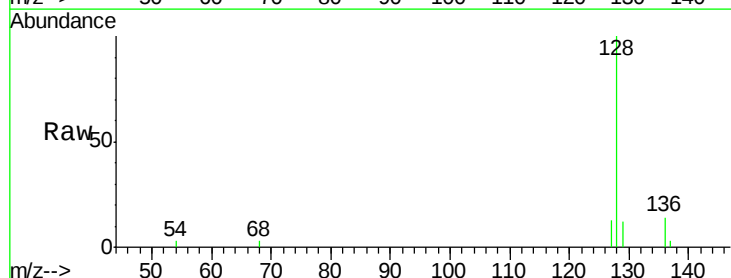
RT: 8.72 min Scan# 1716

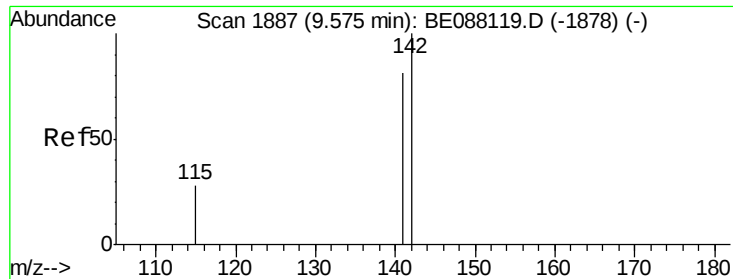
Delta R.T. 0.00 min

Lab File: BE088195.D

Acq: 22 Oct 2014 22:46

Tgt Ion:	128	Resp:	2811
Ion Ratio	Lower	Upper	
128	100		
129	12.3	8.9	13.3
127	13.4	9.7	14.5





#6

2-Methylnaphthalene

Concen: 0.22 ng

RT: 9.58 min Scan# 1888

Delta R.T. -0.00 min

Lab File: BE088195.D

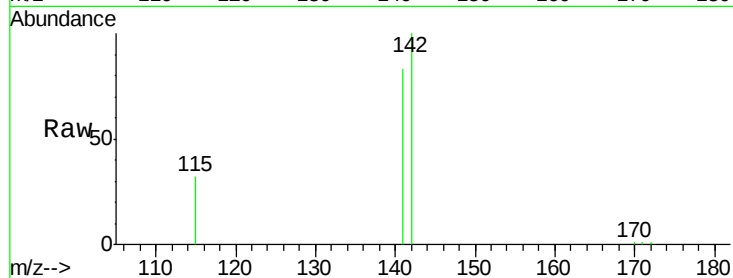
Acq: 22 Oct 2014 22:46

Instrument :

BNA_E

ClientSampleId :

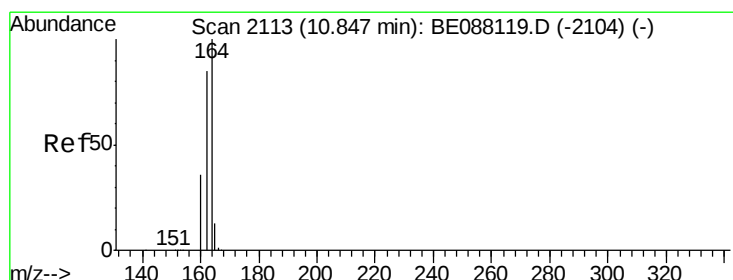
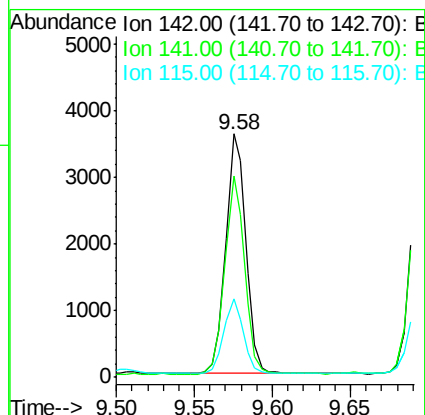
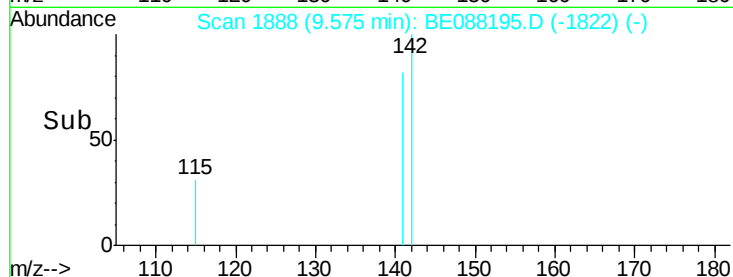
YS19-SB12-1014



Tgt Ion:	142	Resp:	3214
Ion Ratio	Lower	Upper	
142	100		
141	82.5	64.6	97.0
115	32.1	22.6	34.0

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#7

Acenaphthene-d10

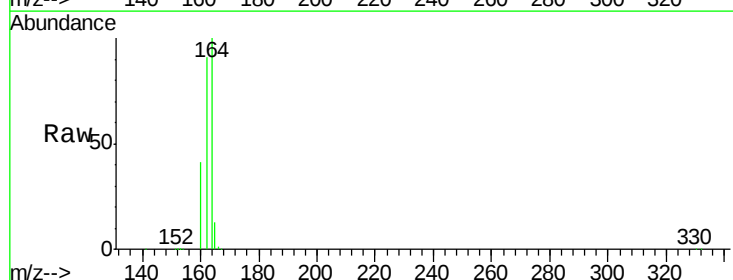
Concen: 5.00 ng

RT: 10.85 min Scan# 2114

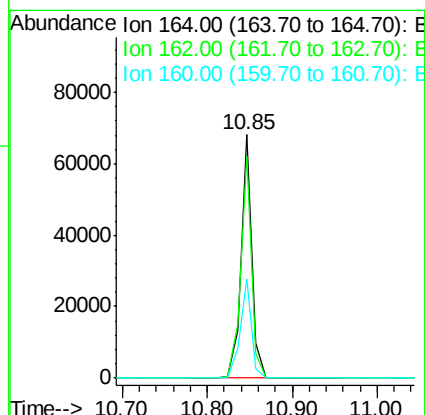
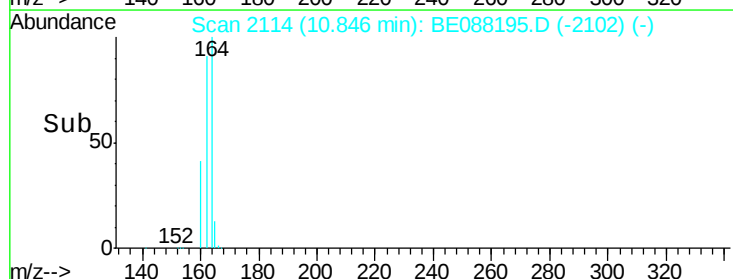
Delta R.T. -0.00 min

Lab File: BE088195.D

Acq: 22 Oct 2014 22:46



Tgt Ion:	164	Resp:	60516
Ion Ratio	Lower	Upper	
164	100		
162	91.3	68.3	102.5
160	40.7	28.7	43.1





#8

2-Fluorobiphenyl

Concen: 30.48 ng

RT: 10.04 min Scan# 1991

Delta R.T. 0.01 min

Lab File: BE088195.D

Acq: 22 Oct 2014 22:46

Instrument :

BNA_E

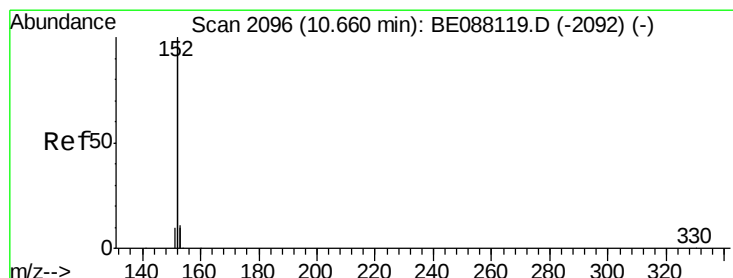
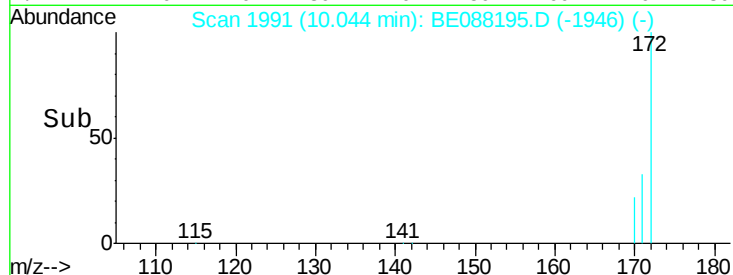
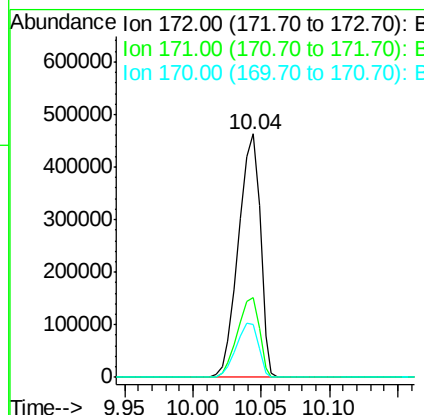
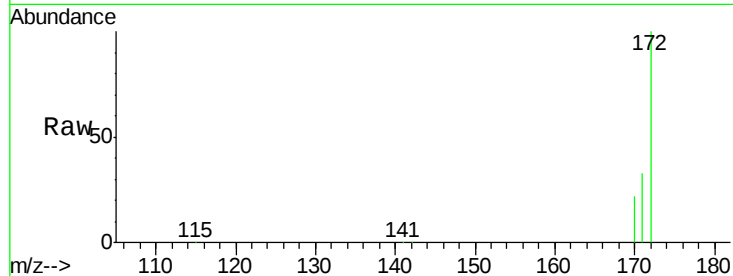
ClientSampleId :

YS19-SB12-1014

Tgt Ion:	172	Resp:	509562
Ion Ratio		Lower	Upper
172	100		
171	32.7	25.4	38.2
170	22.0	17.4	26.2

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#9

Acenaphthylene

Concen: 0.28 ng

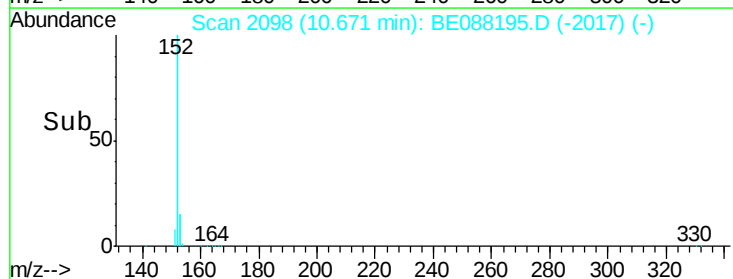
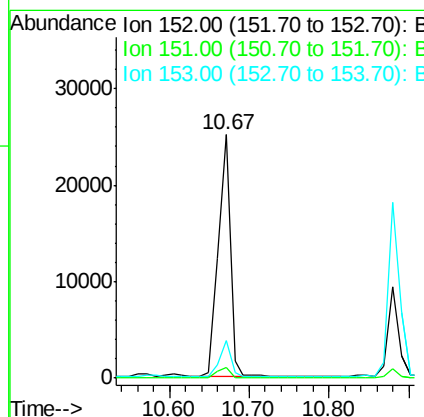
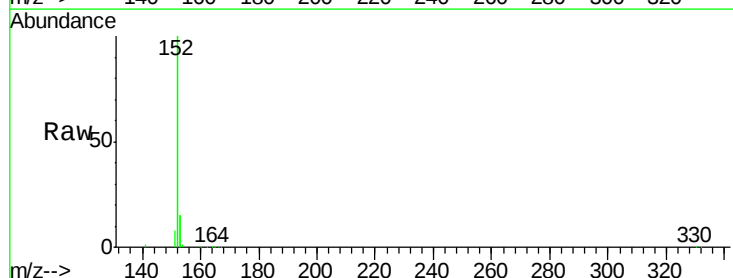
RT: 10.67 min Scan# 2098

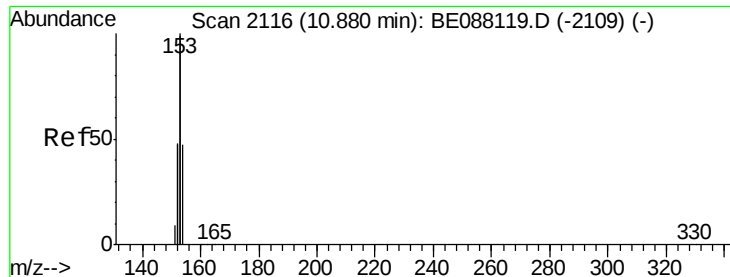
Delta R.T. 0.01 min

Lab File: BE088195.D

Acq: 22 Oct 2014 22:46

Tgt Ion:	152	Resp:	26085
Ion Ratio		Lower	Upper
152	100		
151	4.6	3.7	5.5
153	13.4	10.4	15.6





#10

Acenaphthene

Concen: 0.31 ng

RT: 10.88 min Scan# 2117

Delta R.T. -0.00 min

Lab File: BE088195.D

Acq: 22 Oct 2014 22:46

Instrument :

BNA_E

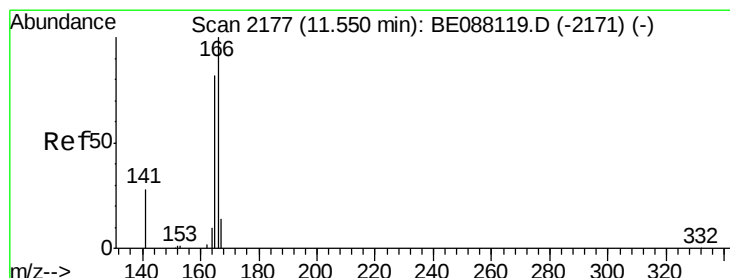
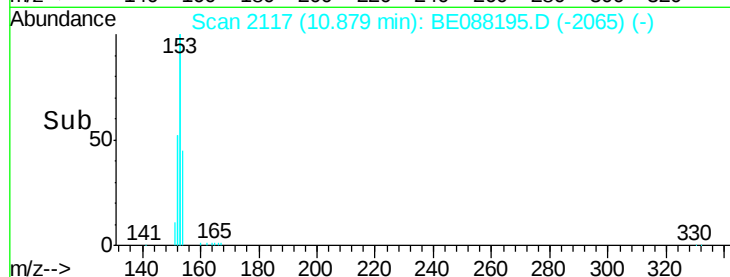
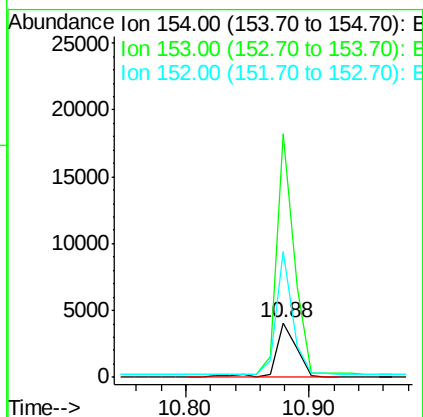
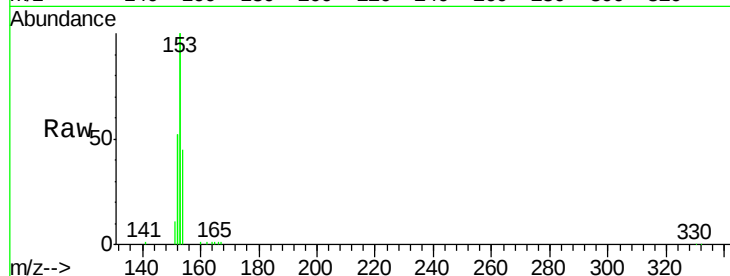
ClientSampleId :

YS19-SB12-1014

Tgt Ion:	154	Resp:	4455
Ion Ratio	Lower	Upper	
154	100		
153	384.8	327.8	491.6
152	187.0	157.6	236.4

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#11

Fluorene

Concen: 0.34 ng

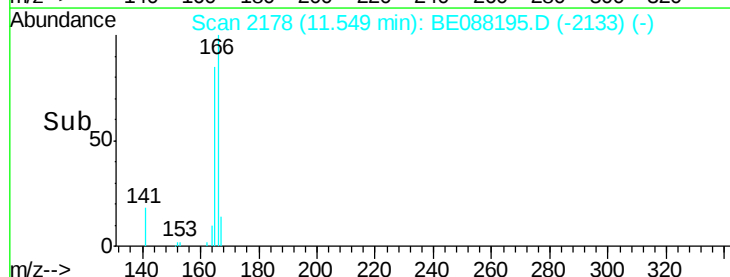
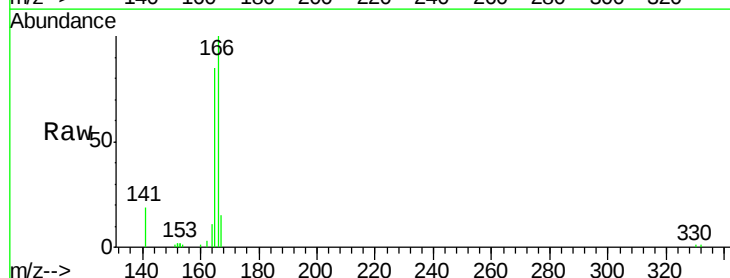
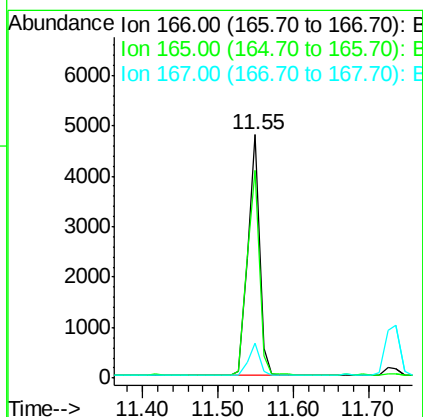
RT: 11.55 min Scan# 2178

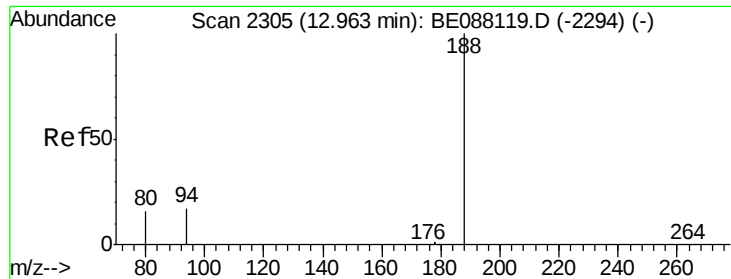
Delta R.T. -0.00 min

Lab File: BE088195.D

Acq: 22 Oct 2014 22:46

Tgt Ion:	166	Resp:	5155
Ion Ratio	Lower	Upper	
166	100		
165	90.4	71.4	107.2
167	13.4	10.6	16.0





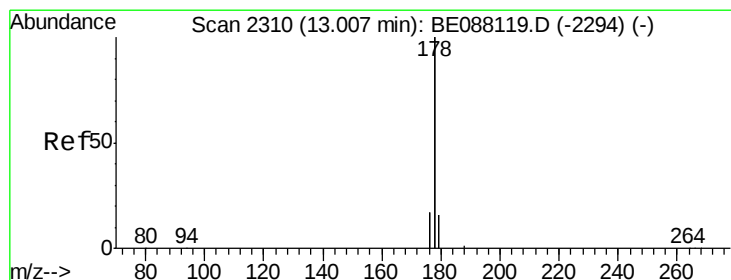
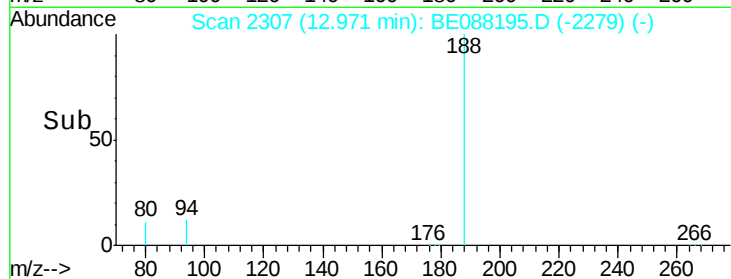
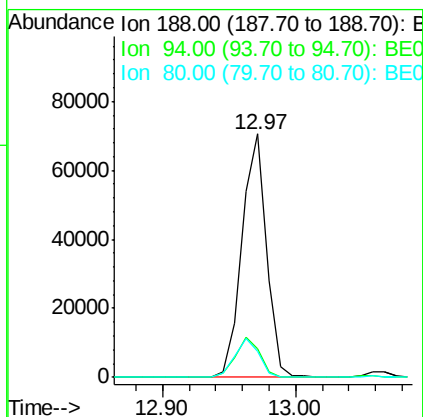
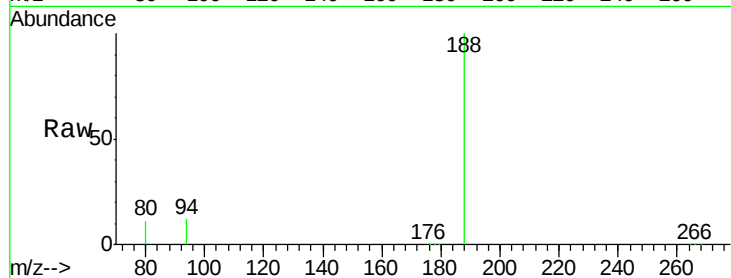
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.97 min Scan# 2307
Delta R.T. 0.01 min
Lab File: BE088195.D
Acq: 22 Oct 2014 22:46

Instrument :
BNA_E
ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.9	13.9	20.9#
80	10.5	12.9	19.3#

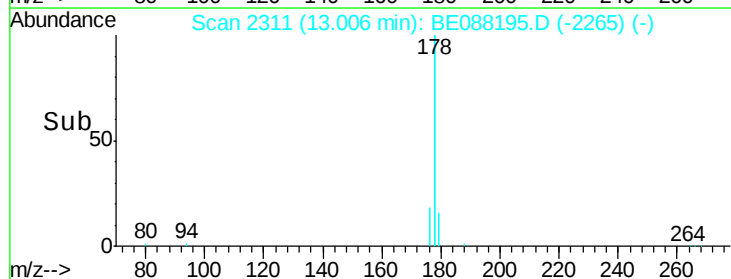
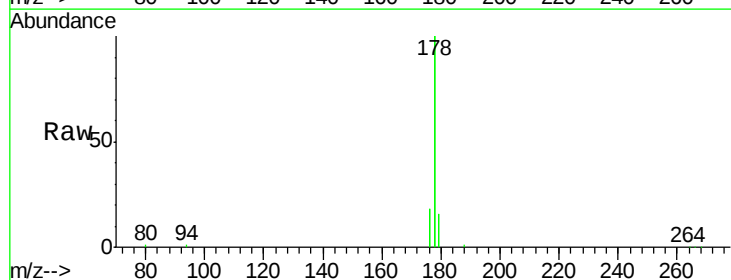
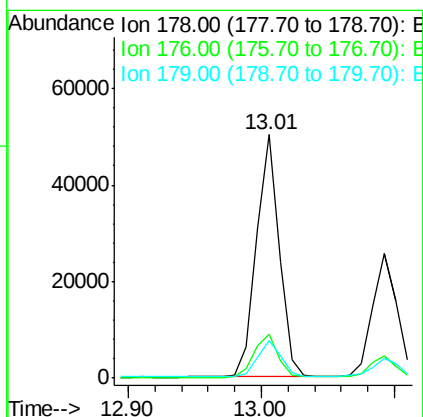
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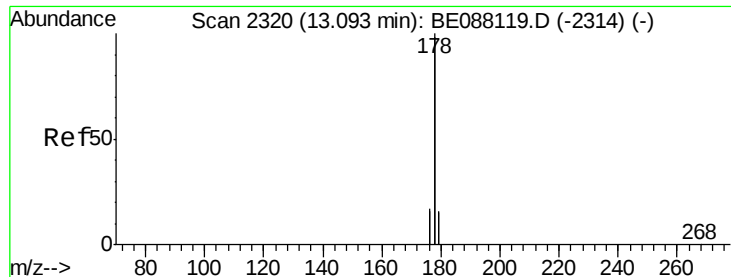
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#13
Phenanthrene
Concen: 0.72 ng
RT: 13.01 min Scan# 2311
Delta R.T. -0.00 min
Lab File: BE088195.D
Acq: 22 Oct 2014 22:46

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.4	12.5	18.7
179	17.0	13.5	20.3





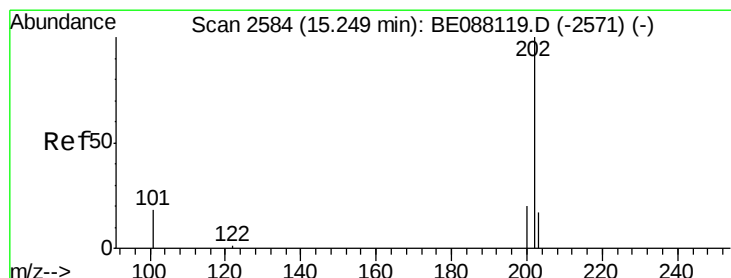
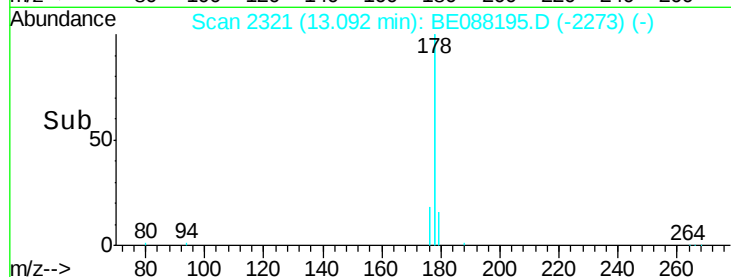
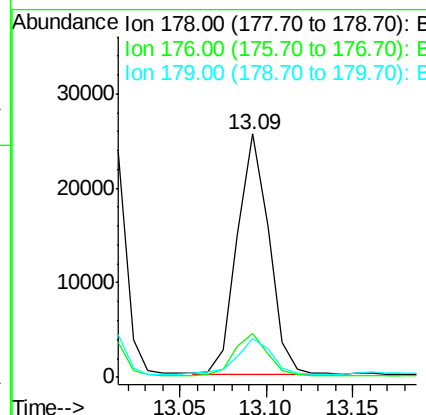
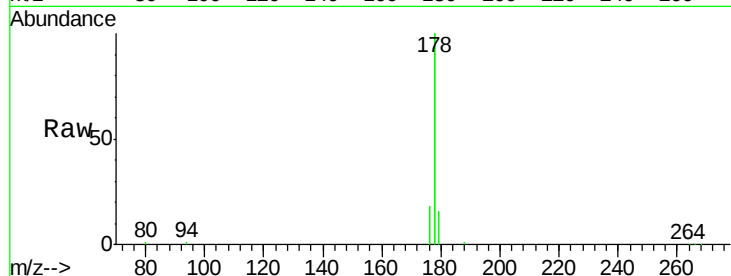
#14
 Anthracene
 Concen: 0.46 ng
 RT: 13.09 min Scan# 2321
 Delta R.T. -0.00 min
 Lab File: BE088195.D
 Acq: 22 Oct 2014 22:46

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB12-1014

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.6	21.8
179	18.4	12.5	18.7

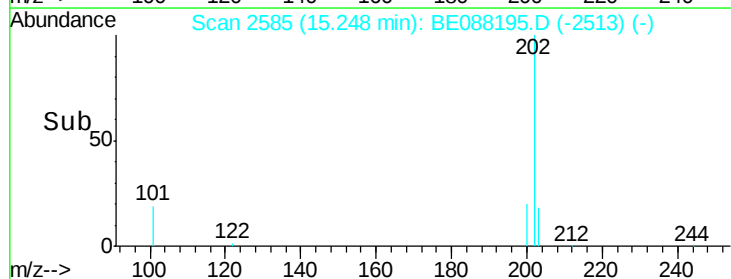
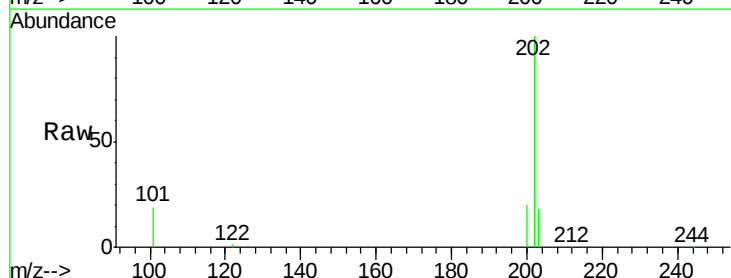
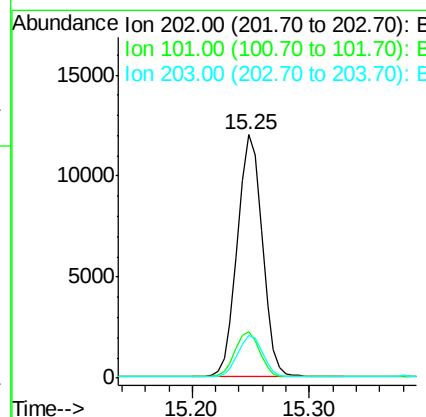
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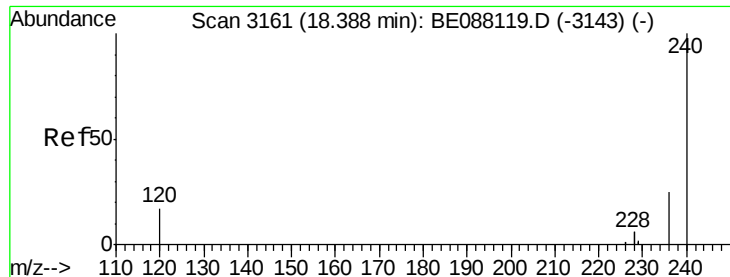
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#15
 Fluoranthene
 Concen: 1.04 ng
 RT: 15.25 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: BE088195.D
 Acq: 22 Oct 2014 22:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.5	14.8	22.2
203	17.2	13.5	20.3





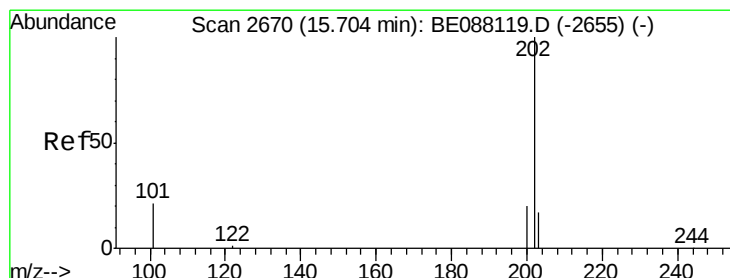
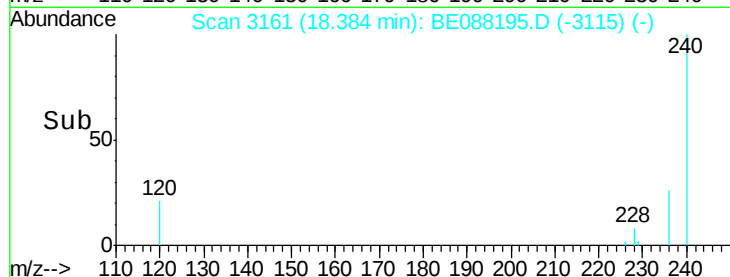
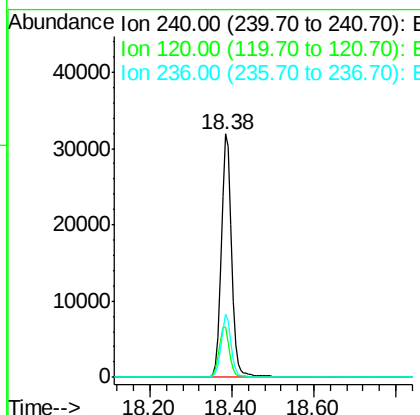
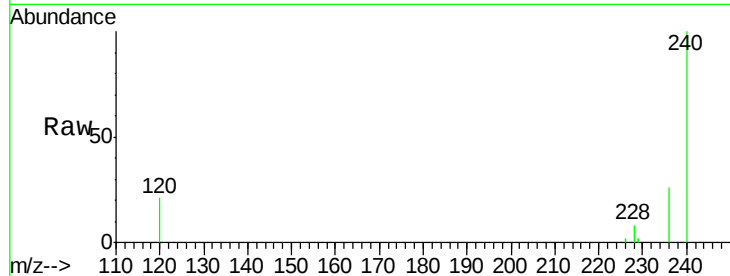
#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.38 min Scan# 3161
Delta R.T. -0.00 min
Lab File: BE088195.D
Acq: 22 Oct 2014 22:46

Instrument :
BNA_E
ClientSampleId :
YS19-SB12-1014

Tgt Ion	Ratio	Lower	Upper
240	100		
120	20.7	13.9	20.9
236	25.8	19.9	29.9

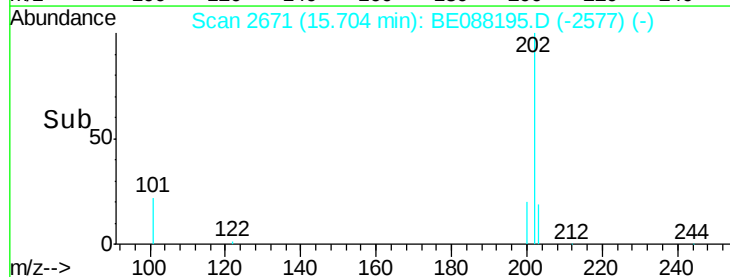
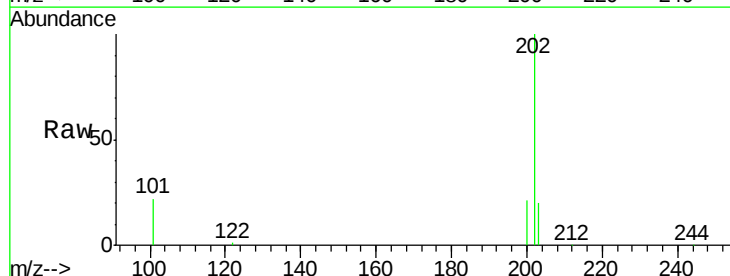
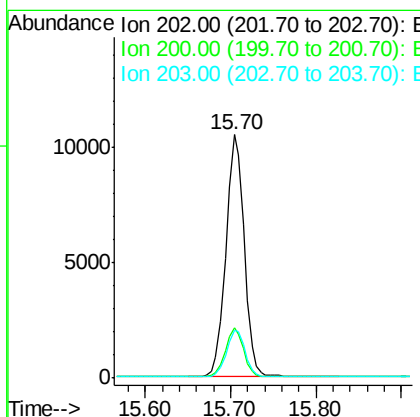
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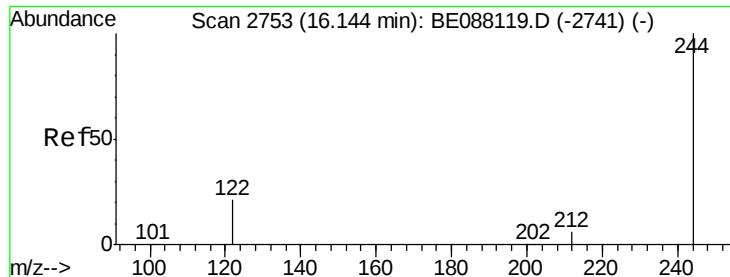
mohammad
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#17
Pyrene
Concen: 1.03 ng
RT: 15.70 min Scan# 2671
Delta R.T. -0.00 min
Lab File: BE088195.D
Acq: 22 Oct 2014 22:46

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.1	24.1
203	19.5	13.9	20.9





#18

Terphenyl-d14

Concen: 44.50 ng

RT: 16.16 min Scan# 2757

Delta R.T. 0.02 min

Lab File: BE088195.D

Acq: 22 Oct 2014 22:46

Instrument :

BNA_E

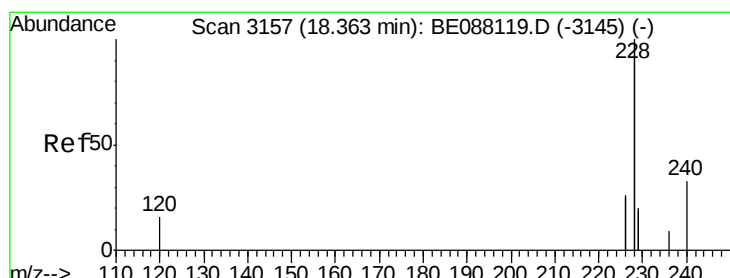
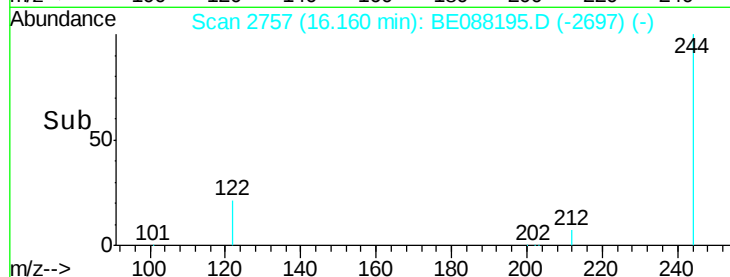
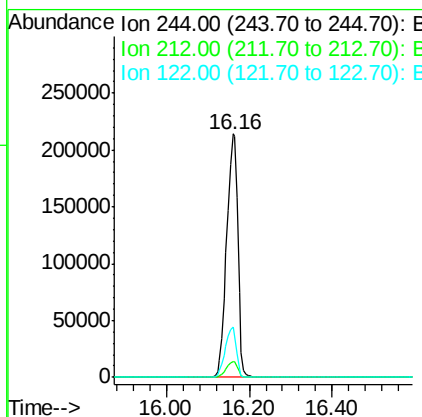
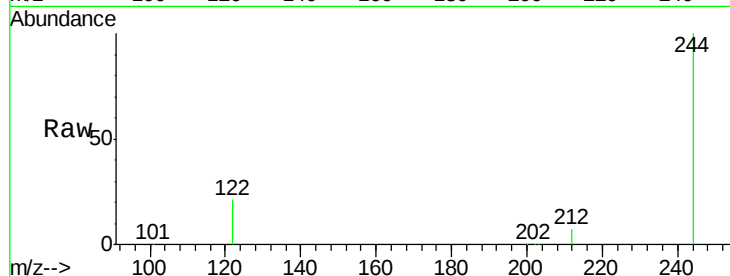
ClientSampleId :

YS19-SB12-1014

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	402722		
212	6.7	5.4	8.0	
122	20.5	17.5	26.3	

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#19

Benzo(a)anthracene

Concen: 0.67 ng

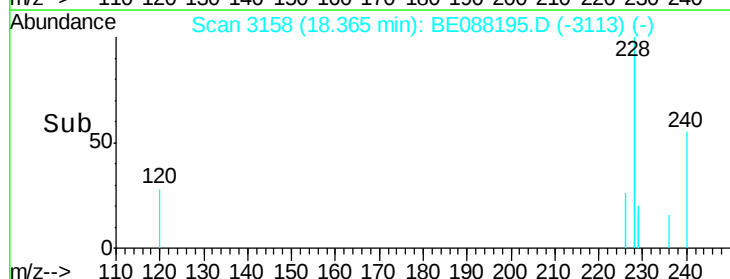
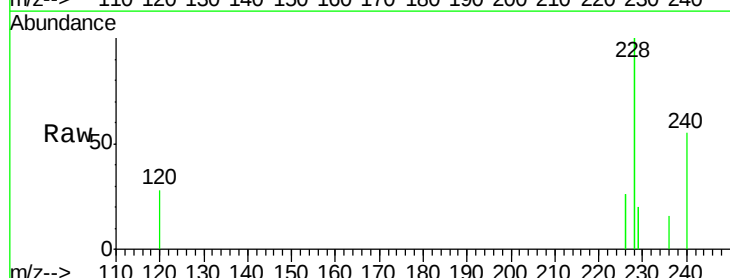
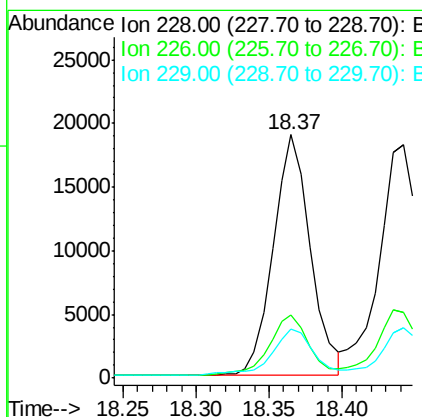
RT: 18.37 min Scan# 3158

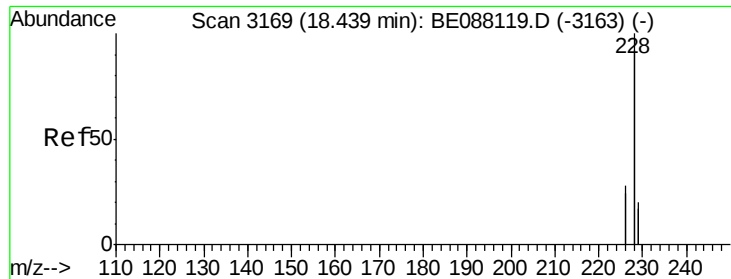
Delta R.T. 0.00 min

Lab File: BE088195.D

Acq: 22 Oct 2014 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	33418		
226	26.2	20.8	31.2	
229	20.3	15.6	23.4	





#20

Chrysene

Concen: 0.74 ng

RT: 18.44 min Scan# 3170

Delta R.T. 0.00 min

Lab File: BE088195.D

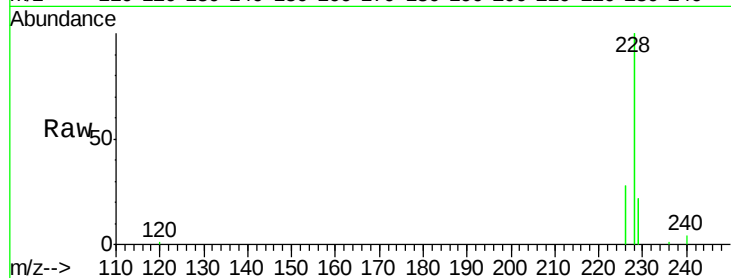
Acq: 22 Oct 2014 22:46

Instrument :

BNA_E

ClientSampleId :

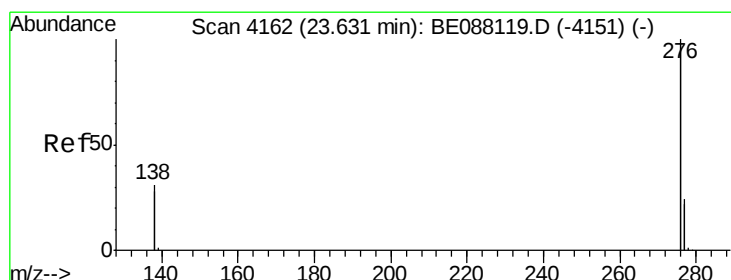
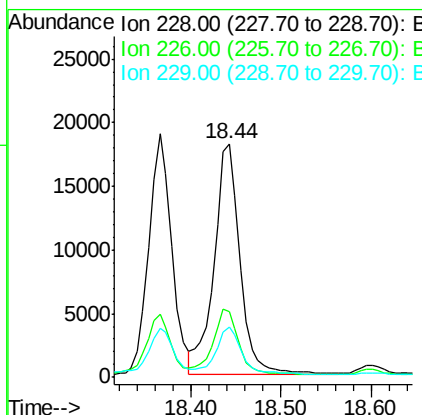
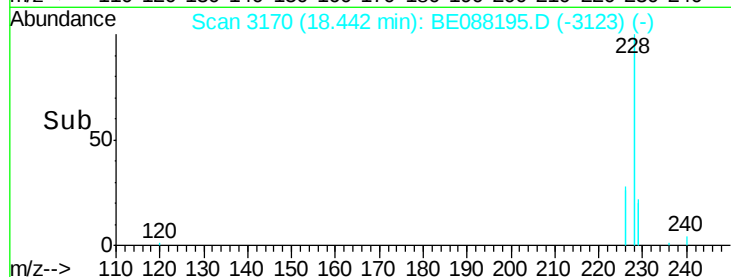
YS19-SB12-1014



Tgt Ion:	228	Resp:	36167
Ion Ratio	Lower	Upper	
228	100		
226	28.2	22.7	34.1
229	21.7	15.8	23.6

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#21

Indeno(1,2,3-cd)pyrene

Concen: 0.51 ng m

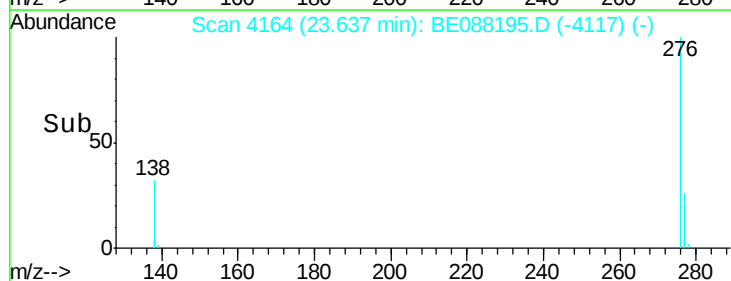
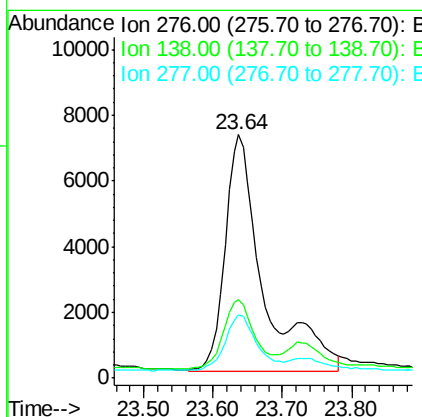
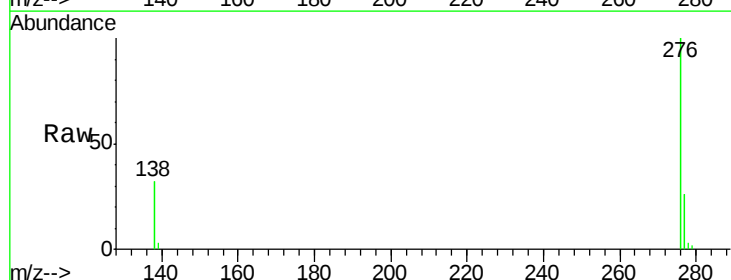
RT: 23.64 min Scan# 4164

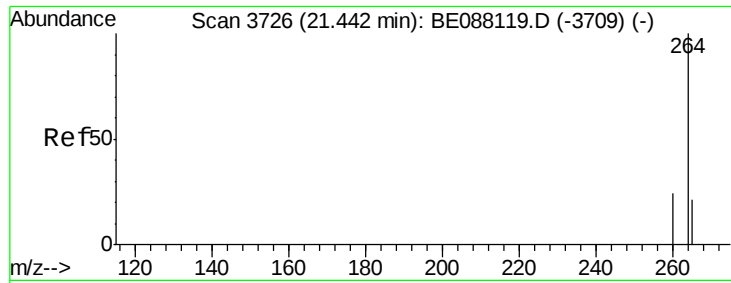
Delta R.T. 0.01 min

Lab File: BE088195.D

Acq: 22 Oct 2014 22:46

Tgt Ion:	276	Resp:	27935
Ion Ratio	Lower	Upper	
276	100		
138	23.3	18.5	27.7
277	19.3	14.6	21.8





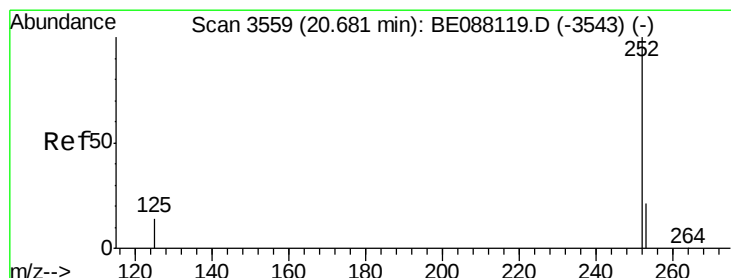
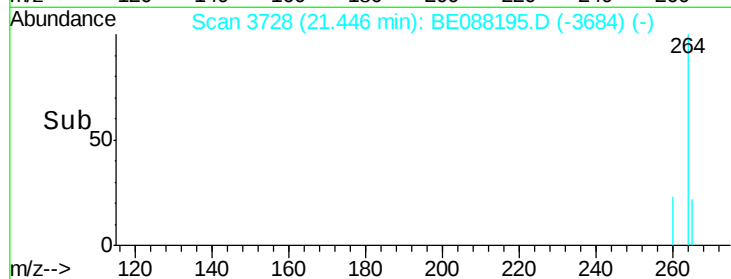
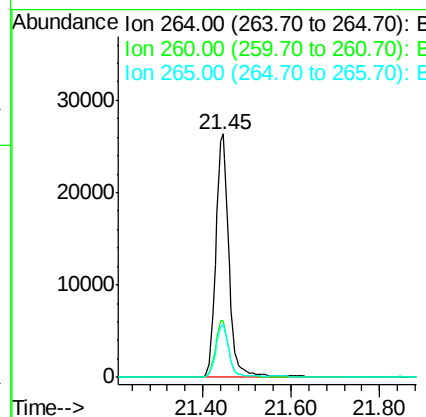
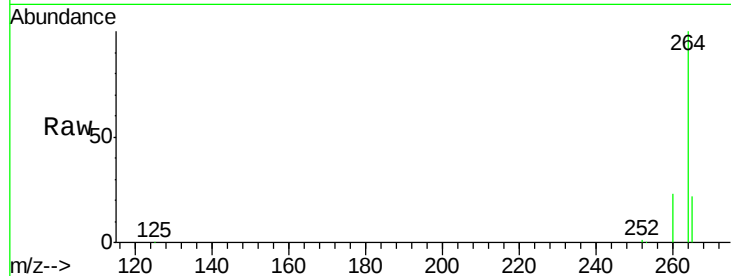
#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.45 min Scan# 3728
 Delta R.T. 0.00 min
 Lab File: BE088195.D
 Acq: 22 Oct 2014 22:46

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB12-1014

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.4
265	21.7	17.2	25.8

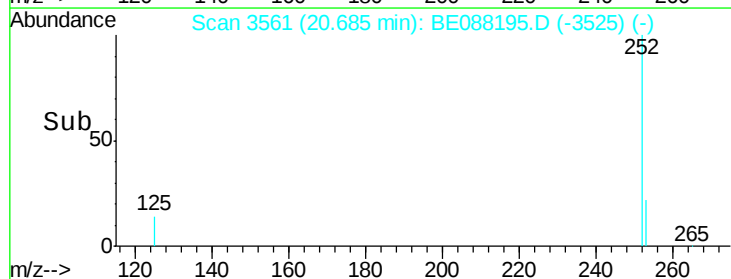
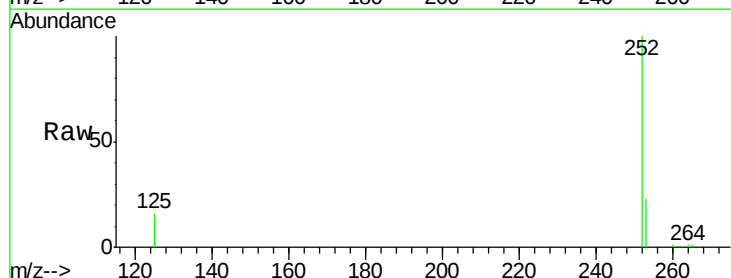
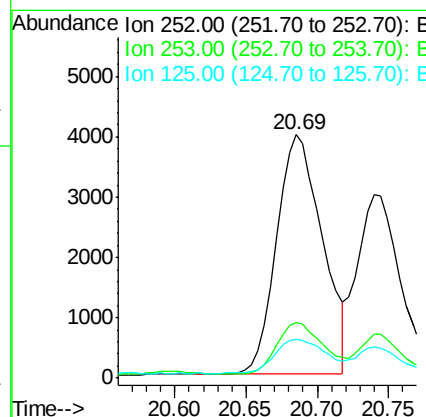
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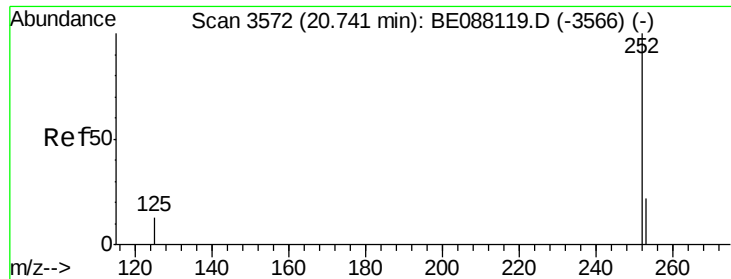
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#23
 Benzo(b)fluoranthene
 Concen: 0.69 ng
 RT: 20.69 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: BE088195.D
 Acq: 22 Oct 2014 22:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	16.2	11.8	17.8





#24

Benzo(k)fluoranthene

Concen: 0.50 ng

RT: 20.74 min Scan# 3573

Delta R.T. -0.00 min

Lab File: BE088195.D

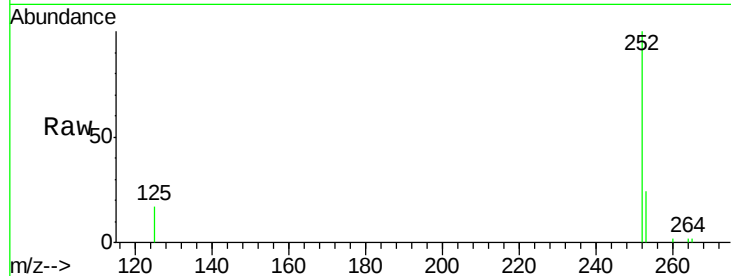
Acq: 22 Oct 2014 22:46

Instrument :

BNA_E

ClientSampleId :

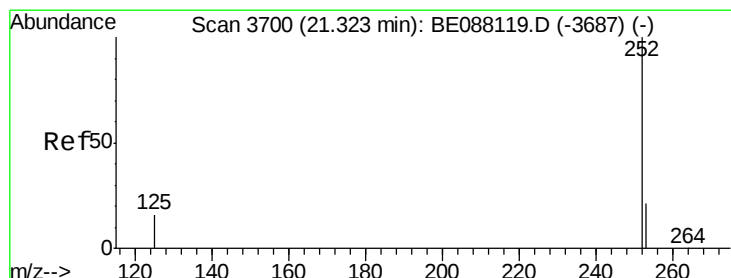
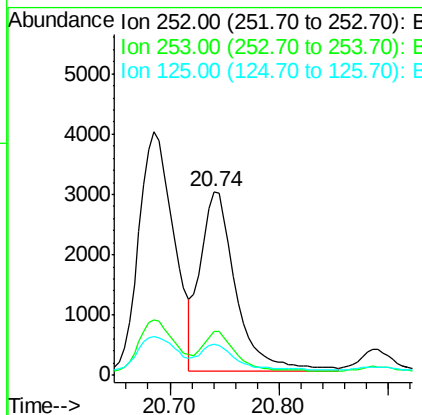
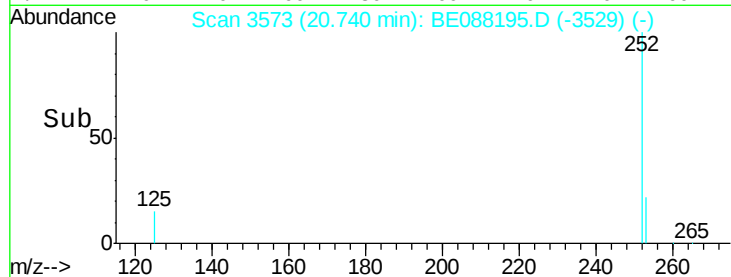
YS19-SB12-1014



Tgt Ion:	252	Resp:	6808
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.6	26.4
125	17.0	11.5	17.3

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#25

Benzo(a)pyrene

Concen: 0.60 ng

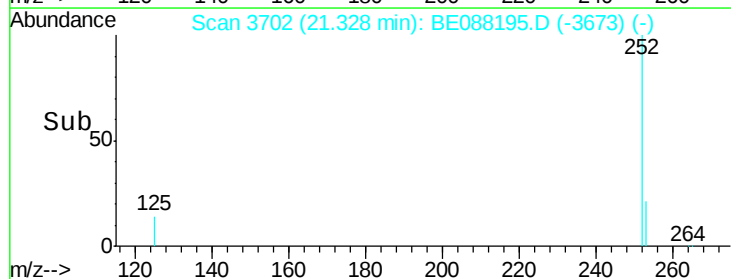
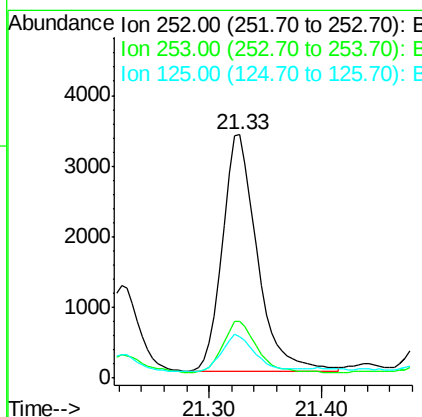
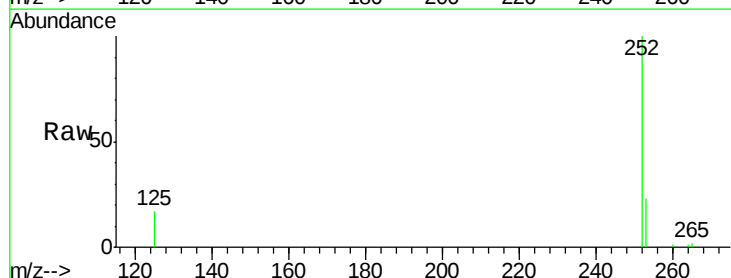
RT: 21.33 min Scan# 3702

Delta R.T. 0.00 min

Lab File: BE088195.D

Acq: 22 Oct 2014 22:46

Tgt Ion:	252	Resp:	7031
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.5	26.3
125	16.7	13.0	19.6





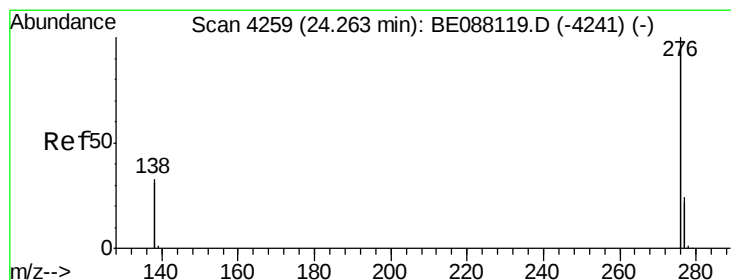
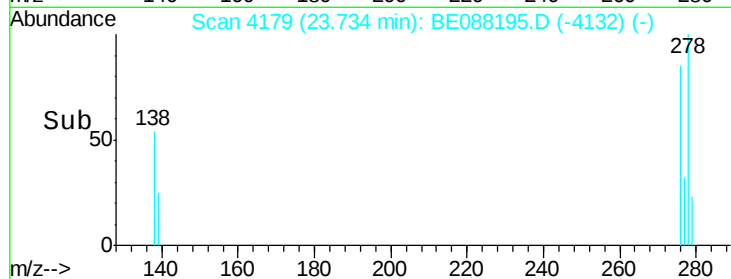
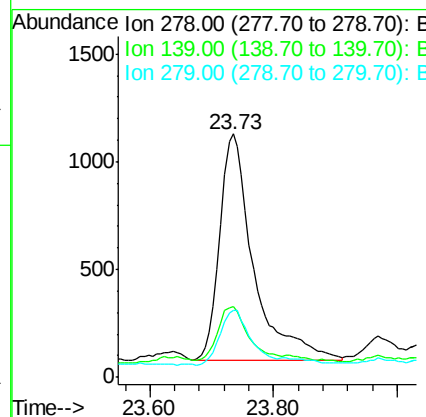
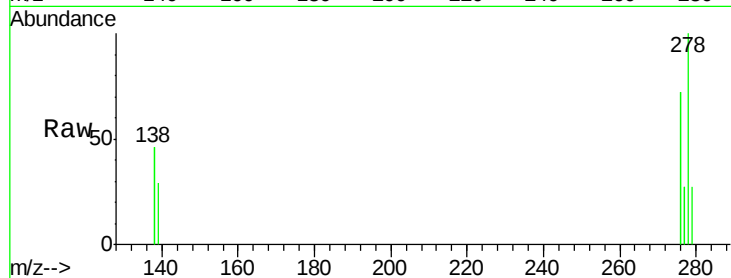
#26
Dibenzo(a,h)anthracene
Concen: 0.35 ng
RT: 23.73 min Scan# 4179
Delta R.T. 0.01 min
Lab File: BE088195.D
Acq: 22 Oct 2014 22:46

Instrument :
BNA_E
ClientSampleId :
YS19-SB12-1014

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.1	20.9	31.3
279	27.3	19.8	29.8

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#27
Benzo(g,h,i)perylene
Concen: 0.51 ng
RT: 24.27 min Scan# 4261
Delta R.T. 0.01 min
Lab File: BE088195.D
Acq: 22 Oct 2014 22:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	19.2	28.8
138	34.8	26.6	40.0

