

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
 Data File : BE088168.D
 Acq On : 22 Oct 2014 6:55
 Operator : TP/JJ
 Sample : F4312-15 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS02-1014

Manual Integrations
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Quant Time: Oct 22 07:30:23 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	19973	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	76238	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	40220	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	64963	5.00	ng	0.00
16) Chrysene-d12	18.38	240	50582	5.00	ng	0.00
22) Perylene-d12	21.44	264	43679	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.83	82	87671	15.95	ng	0.00
8) 2-Fluorobiphenyl	10.04	172	130730	11.77	ng	0.00
18) Terphenyl-d14	16.15	244	103239	12.68	ng	0.00
Target Compounds						Qvalue
5) Naphthalene	8.72	128	973	0.06	ng	# 90
6) 2-Methylnaphthalene	9.58	142	399	0.04	ng	# 95
9) Acenaphthylene	10.67	152	2994	0.05	ng	98
10) Acenaphthene	10.88	154	2173	0.23	ng	93
11) Fluorene	11.55	166	2016	0.20	ng	98
13) Phenanthrene	13.01	178	155108	3.16	ng	# 95
14) Anthracene	13.09	178	32752m	0.65	ng	
15) Fluoranthene	15.25	202	64855	5.25	ng	99
17) Pyrene	15.70	202	55781m	4.06	ng	
19) Benzo(a)anthracene	18.36	228	99785	2.22	ng	99
20) Chrysene	18.44	228	106849	2.42	ng	97
21) Indeno(1,2,3-cd)pyrene	23.64	276	56628	1.16	ng	# 87
23) Benzo(b)fluoranthene	20.69	252	29757	2.86	ng	98
24) Benzo(k)fluoranthene	20.74	252	13410	1.20	ng	98
25) Benzo(a)pyrene	21.32	252	19873	2.08	ng	98
26) Dibenzo(a,h)anthracene	23.72	278	2581	0.27	ng	# 88
27) Benzo(g,h,i)perylene	24.26	276	57699	1.39	ng	99

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

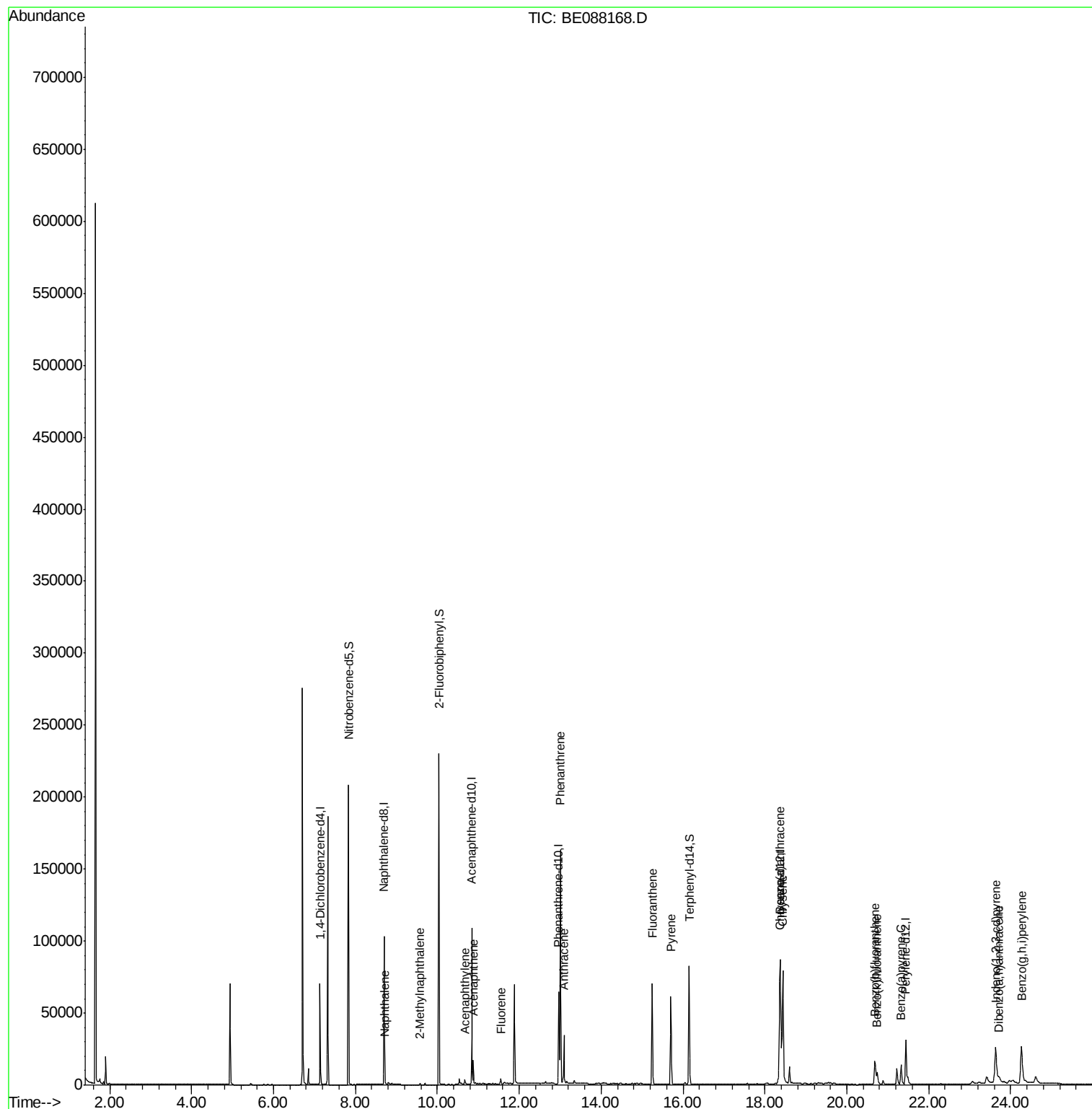
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
Data File : BE088168.D
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ALS Vial : 26 Sample Multiplier: 1

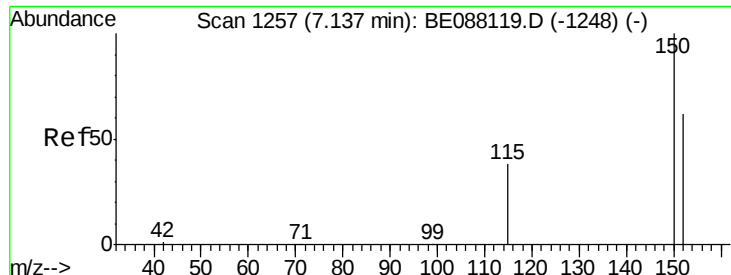
Instrument :
BNA_E
ClientSampleId :
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Quant Time: Oct 22 07:30:23 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088168.D

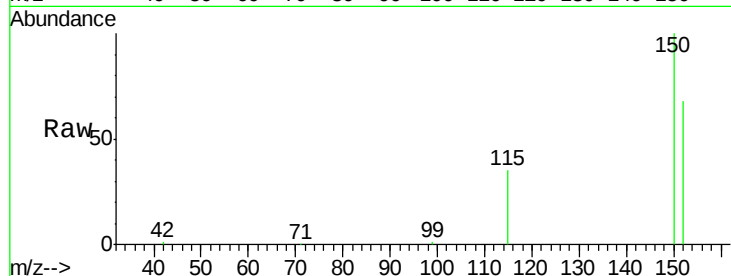
Acq: 22 Oct 2014 6:55

Instrument :

BNA_E

ClientSampleId :

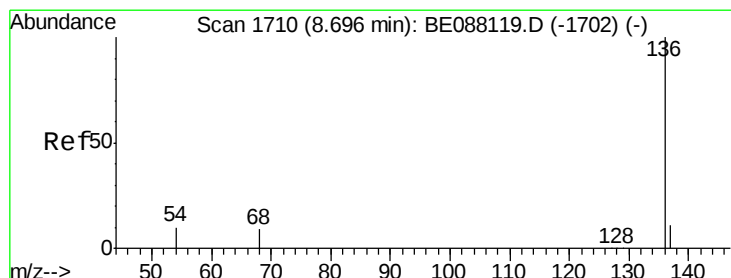
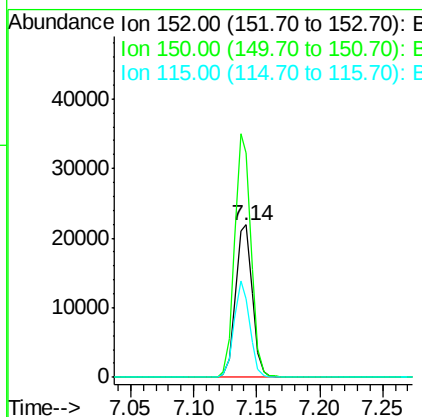
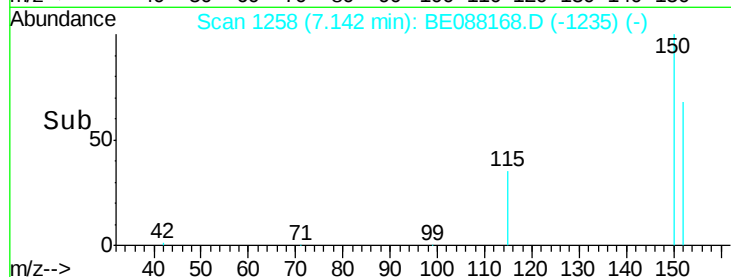
YS19-SS02-1014



Tgt Ion:	152	Resp:	19973
Ion Ratio	Lower	Upper	
152	100		
150	147.3	129.2	193.8
115	51.7	49.3	73.9

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#3

Naphthalene-d8

Concen: 5.00 ng

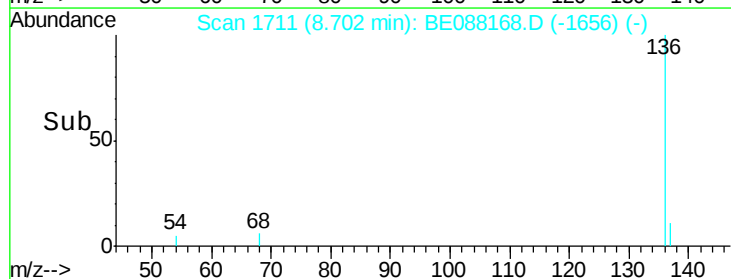
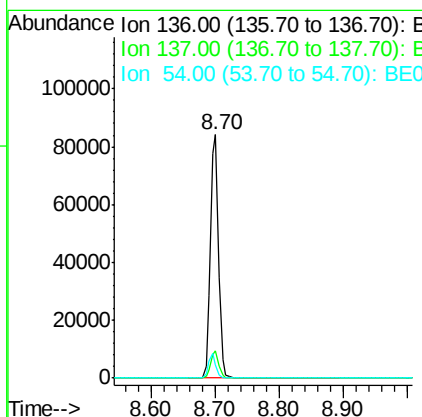
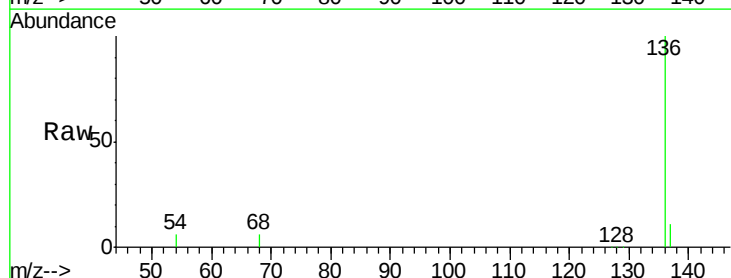
RT: 8.70 min Scan# 1711

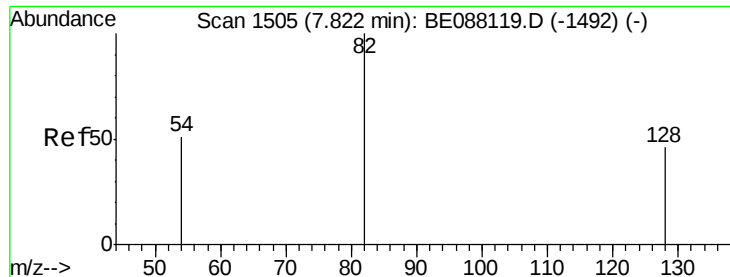
Delta R.T. 0.01 min

Lab File: BE088168.D

Acq: 22 Oct 2014 6:55

Tgt Ion:	136	Resp:	76238
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.6	12.8
54	5.5	7.7	11.5#





#4

Nitrobenzene-d5

Concen: 15.95 ng

RT: 7.83 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BE088168.D

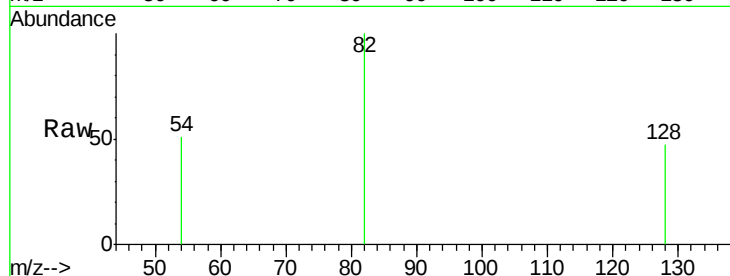
Acq: 22 Oct 2014 6:55

Instrument :

BNA_E

ClientSampleId :

YS19-SS02-1014



Tgt Ion: 82 Resp: 87671

Ion Ratio Lower Upper

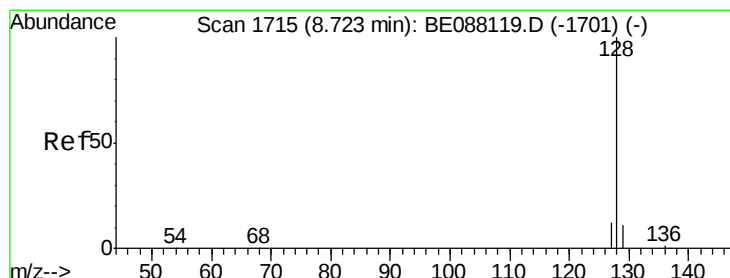
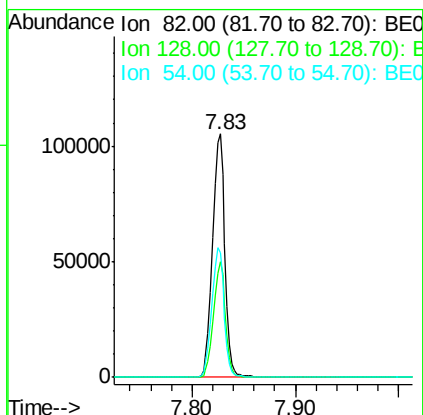
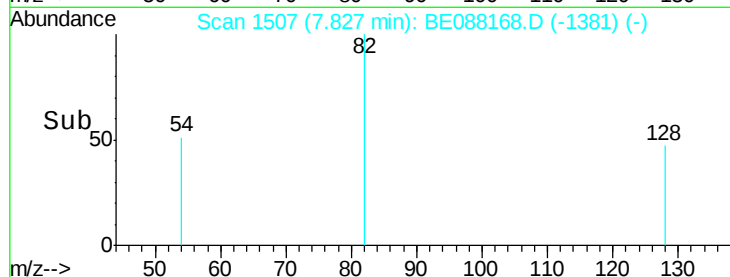
82 100

128 47.3 37.1 55.7

54 51.0 41.1 61.7

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#5

Naphthalene

Concen: 0.06 ng

RT: 8.72 min Scan# 1715

Delta R.T. 0.00 min

Lab File: BE088168.D

Acq: 22 Oct 2014 6:55

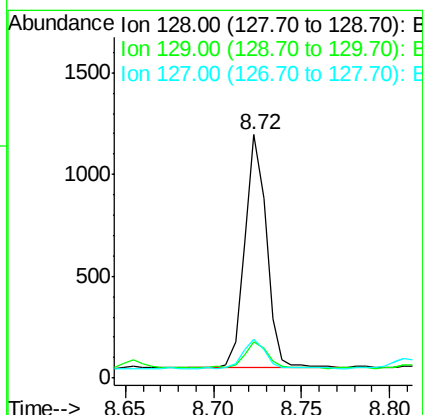
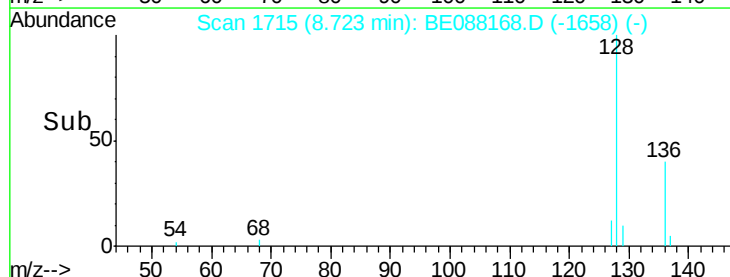
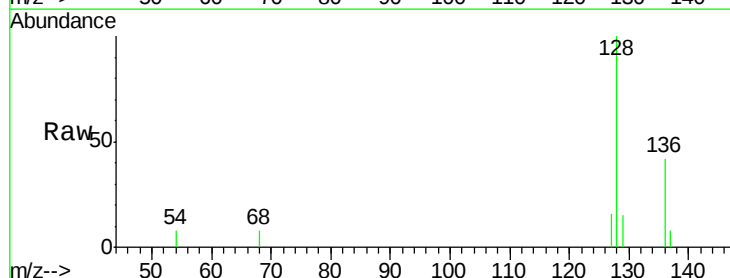
Tgt Ion: 128 Resp: 973

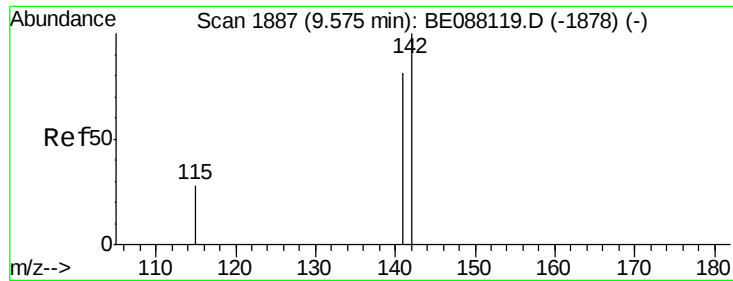
Ion Ratio Lower Upper

128 100

129 14.7 8.9 13.3#

127 16.1 9.7 14.5#





#6

2-Methylnaphthalene

Concen: 0.04 ng

RT: 9.58 min Scan# 1888

Delta R.T. 0.00 min

Lab File: BE088168.D

Acq: 22 Oct 2014 6:55

Instrument :

BNA_E

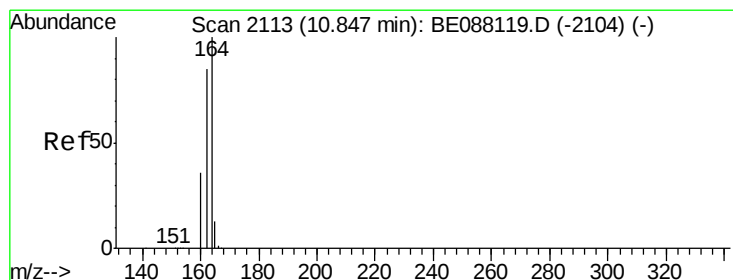
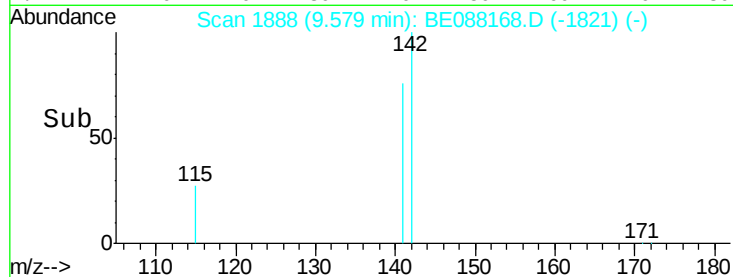
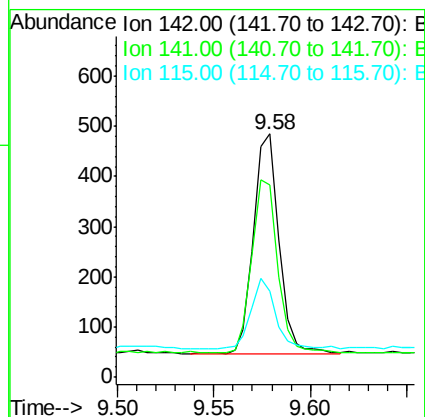
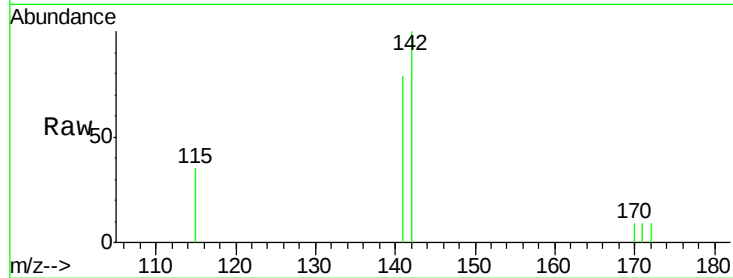
ClientSampleId :

YS19-SS02-1014

Tgt Ion:	142	Resp:	399
Ion Ratio	Lower	Upper	
142	100		
141	78.8	64.6	97.0
115	35.5	22.6	34.0#

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#7

Acenaphthene-d10

Concen: 5.00 ng

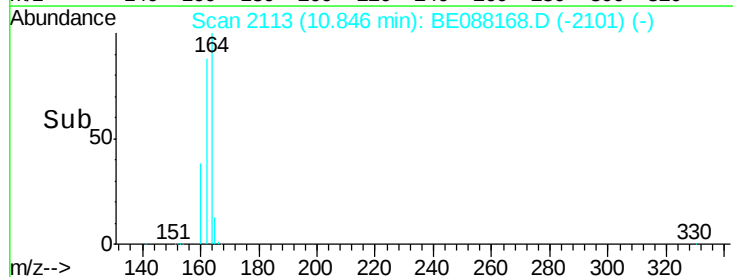
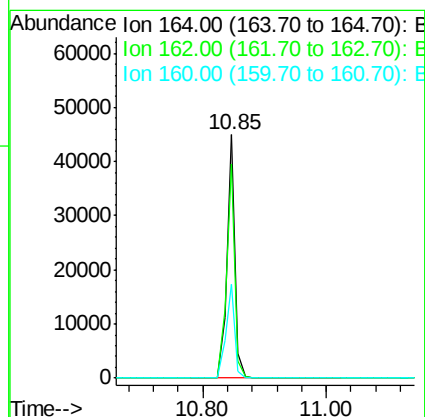
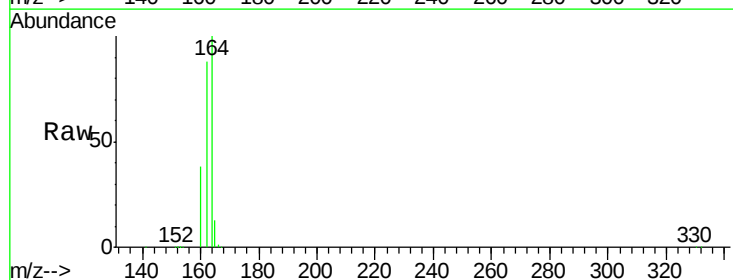
RT: 10.85 min Scan# 2113

Delta R.T. -0.00 min

Lab File: BE088168.D

Acq: 22 Oct 2014 6:55

Tgt Ion:	164	Resp:	40220
Ion Ratio	Lower	Upper	
164	100		
162	88.2	68.3	102.5
160	38.4	28.7	43.1





#8

2-Fluorobiphenyl

Concen: 11.77 ng

RT: 10.04 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BE088168.D

Acq: 22 Oct 2014 6:55

Instrument :

BNA_E

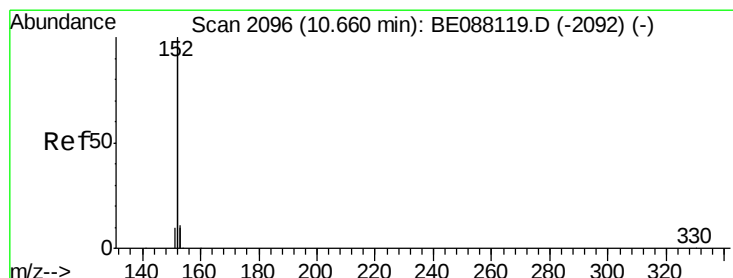
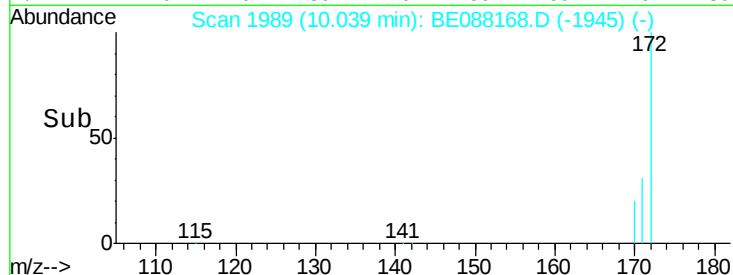
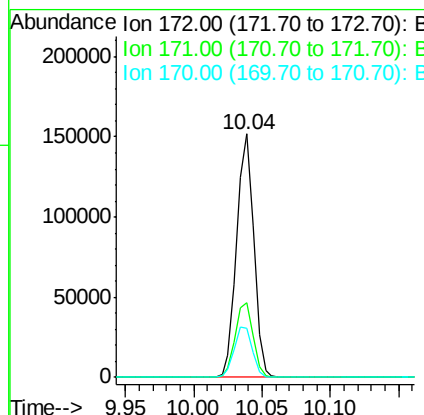
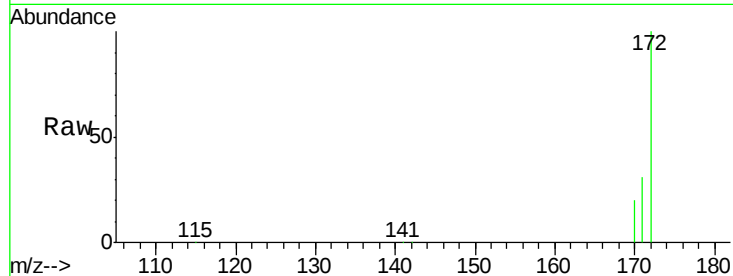
ClientSampleId :

YS19-SS02-1014

Tgt Ion:	172	Resp:	130730
Ion Ratio		Lower	Upper
172	100		
171	30.9	25.4	38.2
170	20.4	17.4	26.2

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#9

Acenaphthylene

Concen: 0.05 ng

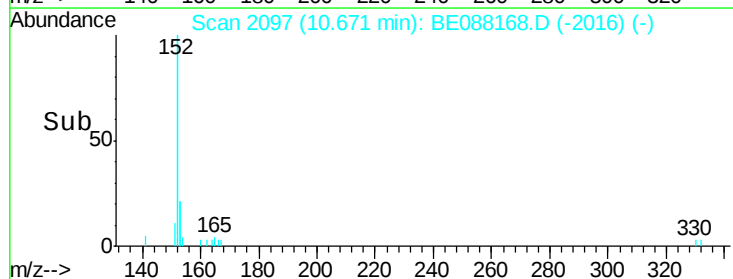
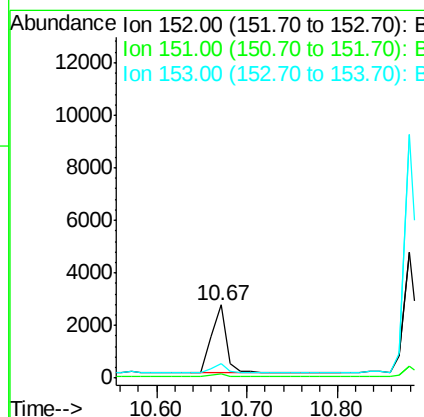
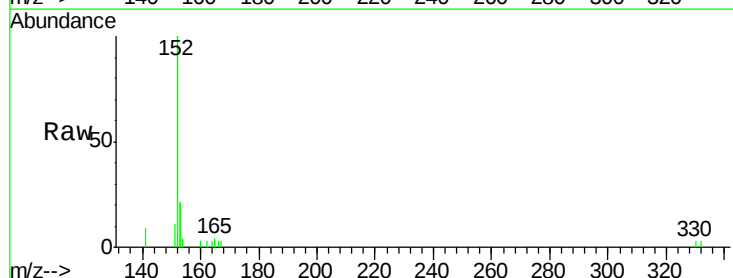
RT: 10.67 min Scan# 2097

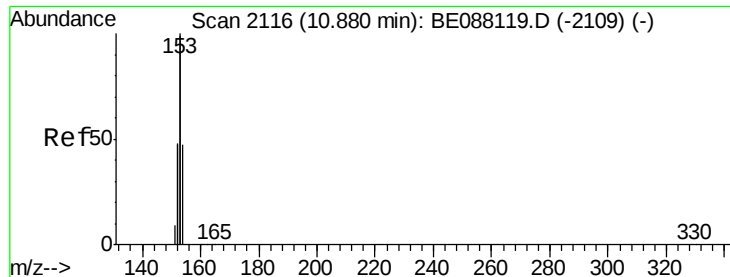
Delta R.T. 0.01 min

Lab File: BE088168.D

Acq: 22 Oct 2014 6:55

Tgt Ion:	152	Resp:	2994
Ion Ratio		Lower	Upper
152	100		
151	4.6	3.7	5.5
153	14.1	10.4	15.6





#10

Acenaphthene

Concen: 0.23 ng

RT: 10.88 min Scan# 2116

Delta R.T. -0.00 min

Lab File: BE088168.D

Acq: 22 Oct 2014 6:55

Instrument :

BNA_E

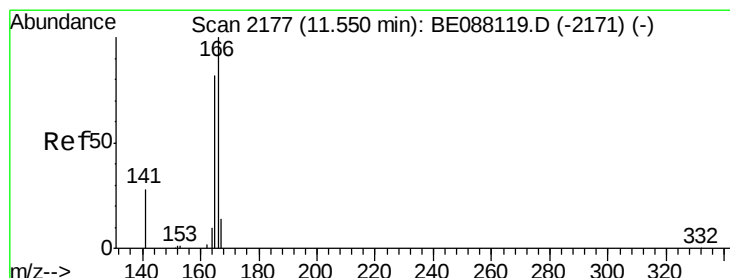
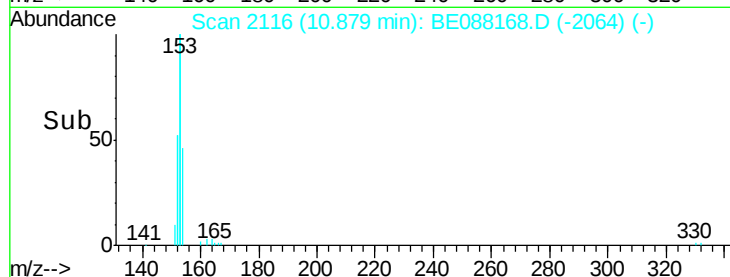
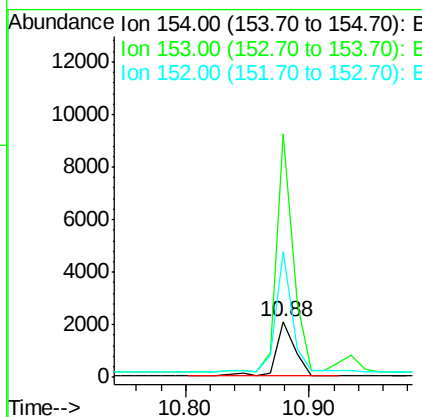
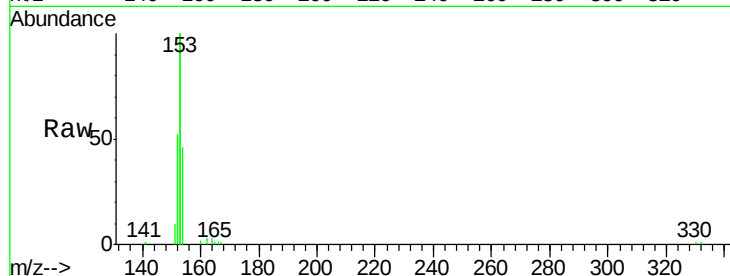
ClientSampleId :

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Tgt Ion:	154	Resp:	2173
Ion Ratio	Lower	Upper	
154	100		
153	386.3	327.8	491.6
152	196.4	157.6	236.4



#11

Fluorene

Concen: 0.20 ng

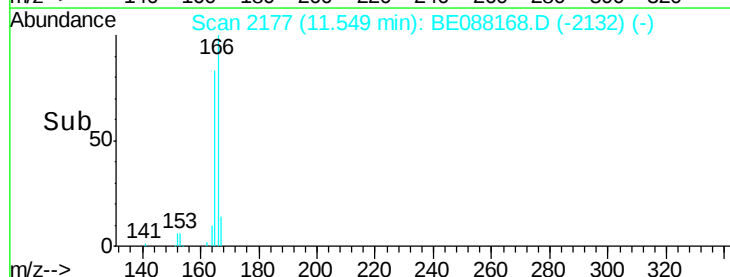
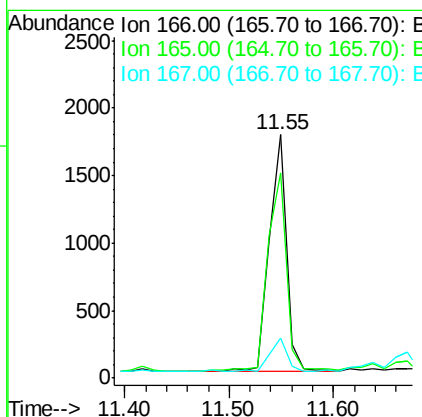
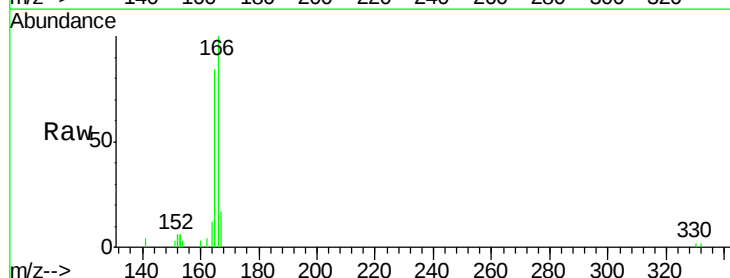
RT: 11.55 min Scan# 2177

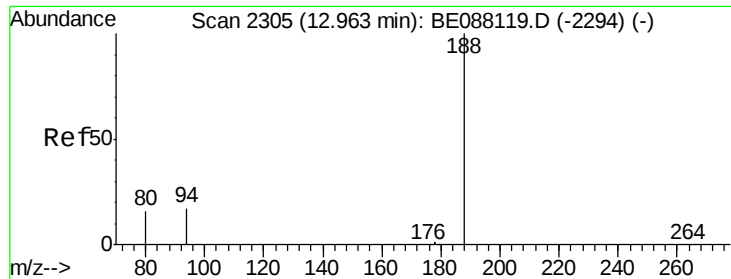
Delta R.T. -0.00 min

Lab File: BE088168.D

Acq: 22 Oct 2014 6:55

Tgt Ion:	166	Resp:	2016
Ion Ratio	Lower	Upper	
166	100		
165	90.9	71.4	107.2
167	14.0	10.6	16.0





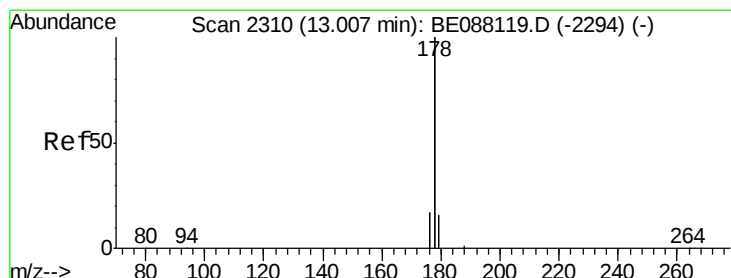
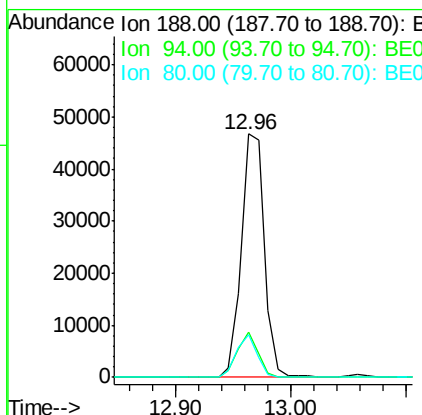
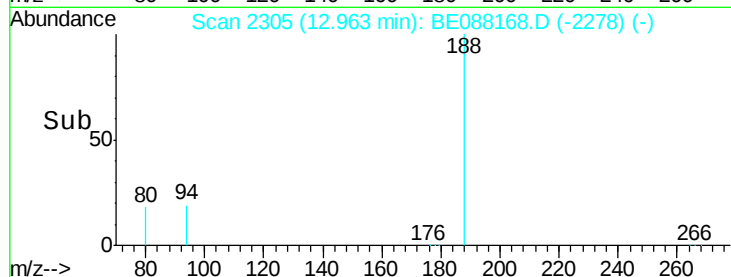
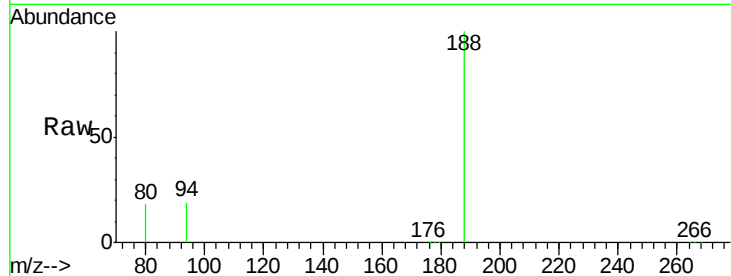
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.96 min Scan# 2305
Delta R.T. -0.00 min
Lab File: BE088168.D
Acq: 22 Oct 2014 6:55

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ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
188	100		
94	18.6	13.9	20.9
80	17.6	12.9	19.3

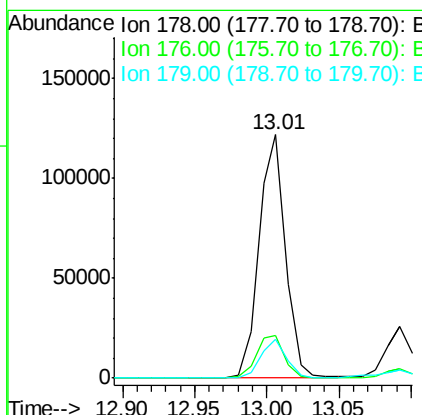
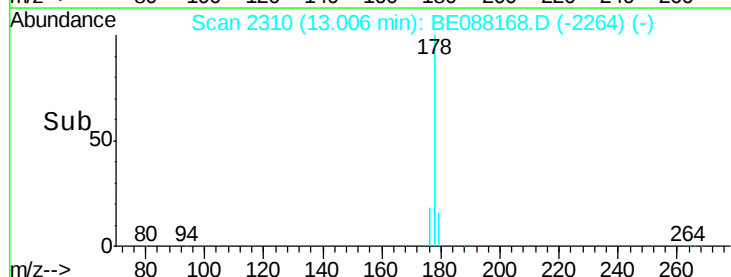
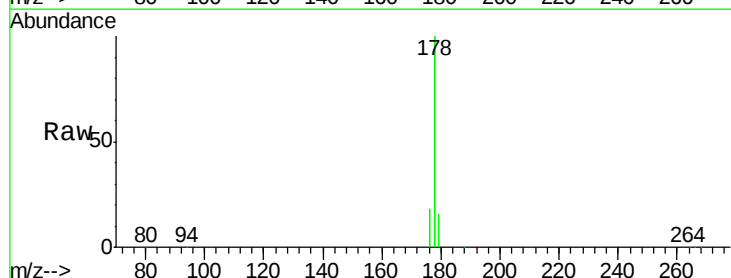
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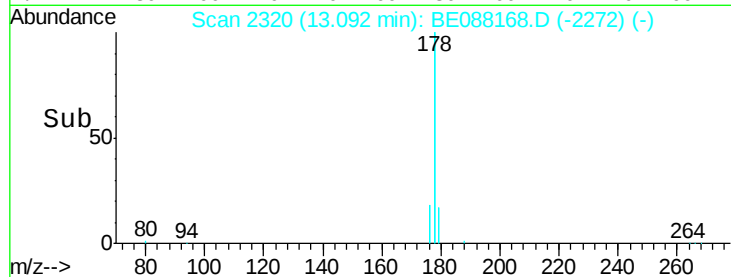
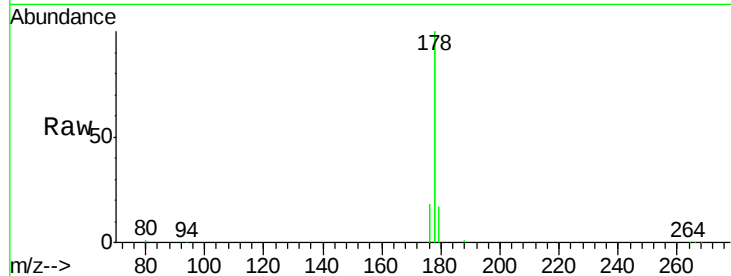
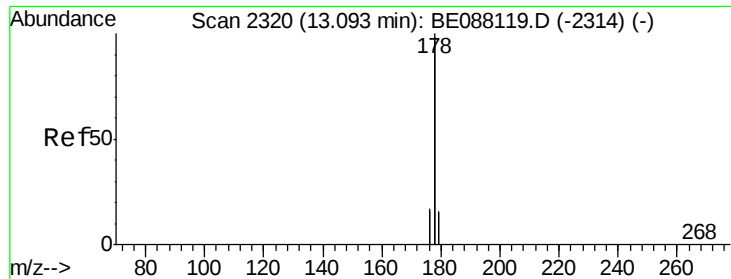
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#13
Phenanthrene
Concen: 3.16 ng
RT: 13.01 min Scan# 2310
Delta R.T. 0.00 min
Lab File: BE088168.D
Acq: 22 Oct 2014 6:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	12.5	18.7#
179	15.7	13.5	20.3





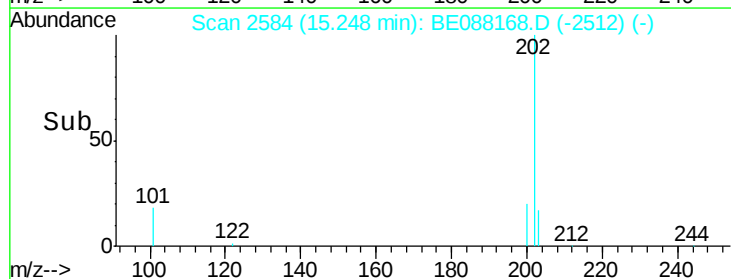
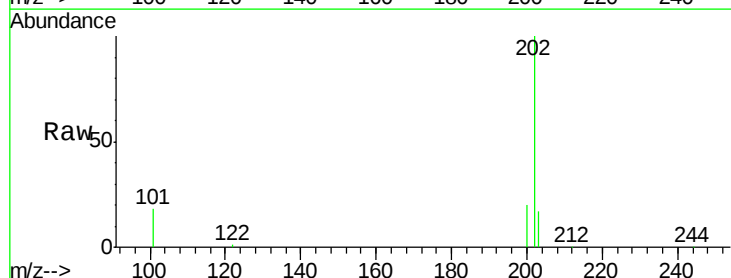
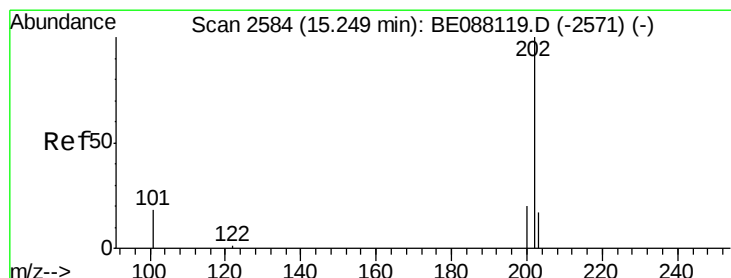
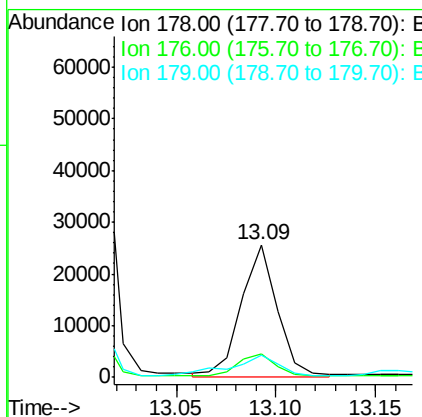
#14
 Anthracene
 Concen: 0.65 ng m
 RT: 13.09 min Scan# 2320
 Delta R.T. -0.00 min
 Lab File: BE088168.D
 Acq: 22 Oct 2014 6:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	89.1	14.6	21.8#
179	74.1	12.5	18.7#

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS02-1014

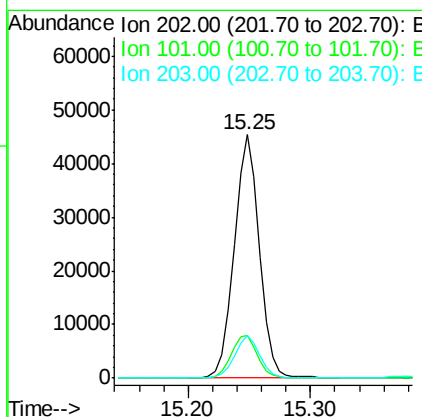
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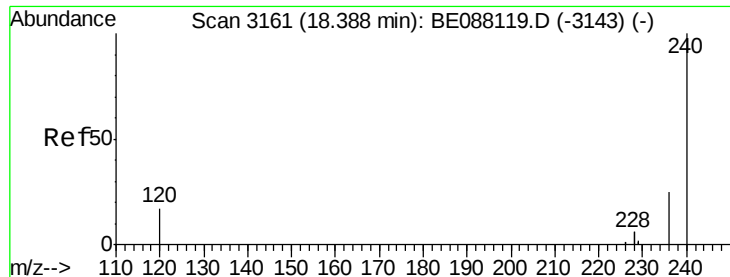
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#15
 Fluoranthene
 Concen: 5.25 ng
 RT: 15.25 min Scan# 2584
 Delta R.T. -0.00 min
 Lab File: BE088168.D
 Acq: 22 Oct 2014 6:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.2	14.8	22.2
203	17.2	13.5	20.3





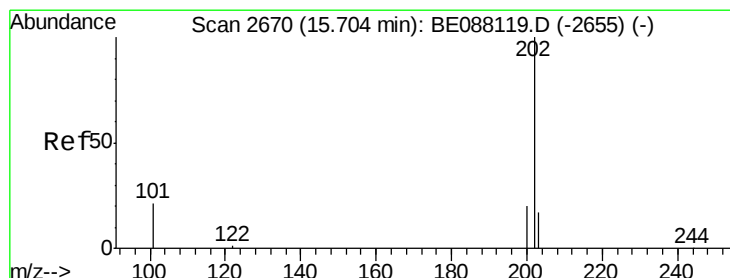
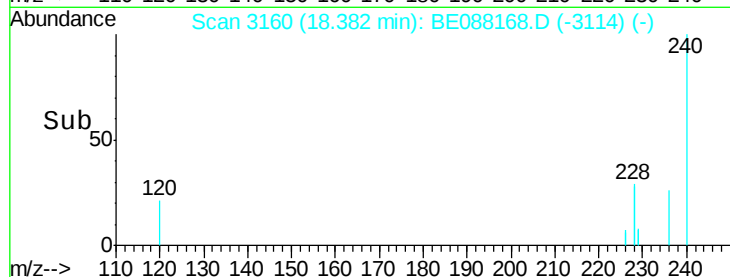
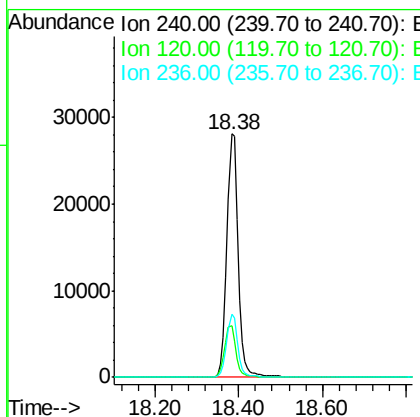
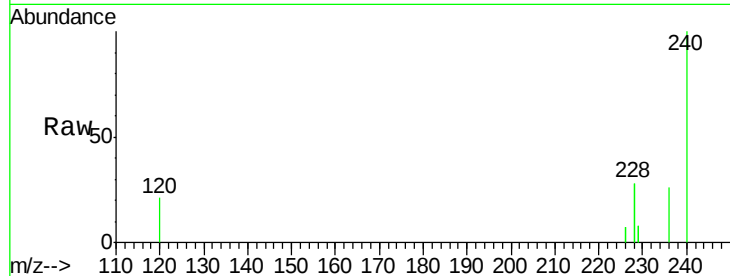
#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.38 min Scan# 3160
Delta R.T. -0.01 min
Lab File: BE088168.D
Acq: 22 Oct 2014 6:55

Instrument :
BNA_E
ClientSampleId :
YS19-SS02-1014

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	21.3	13.9	20.9#
236	25.9	19.9	29.9

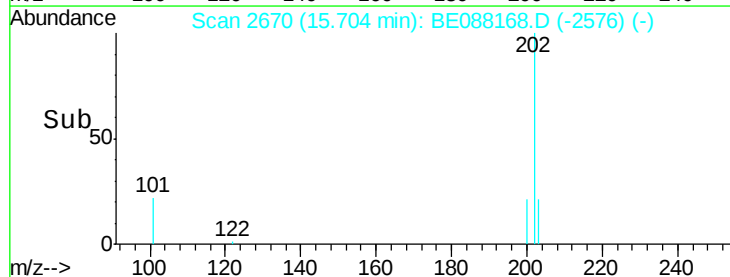
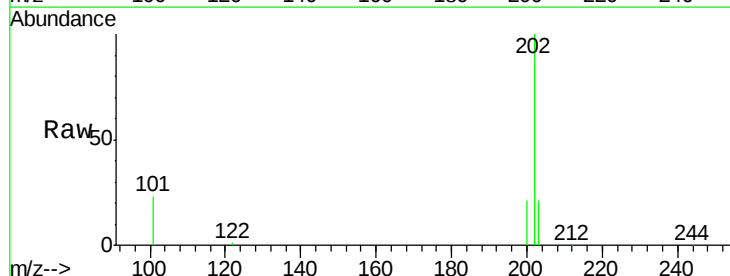
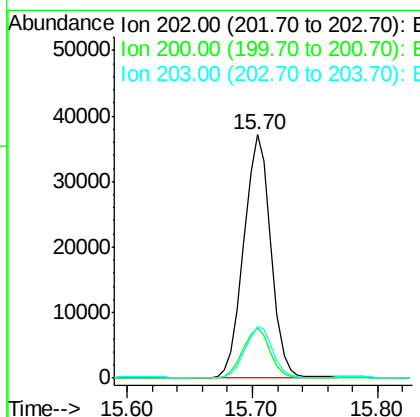
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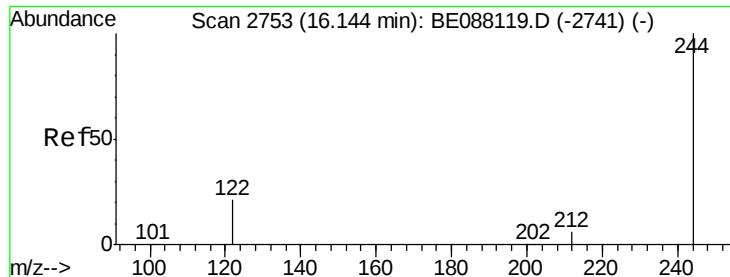
mohammad
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#17
Pyrene
Concen: 4.06 ng m
RT: 15.70 min Scan# 2670
Delta R.T. -0.00 min
Lab File: BE088168.D
Acq: 22 Oct 2014 6:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	23.1	16.1	24.1
203	20.0	13.9	20.9





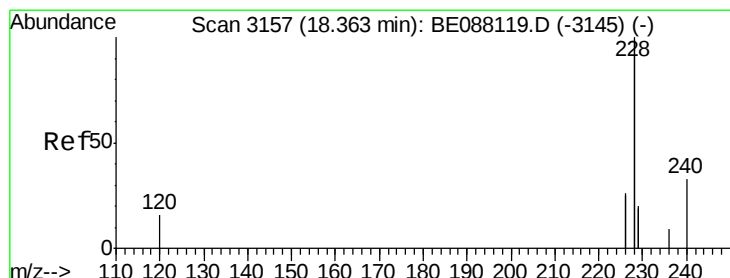
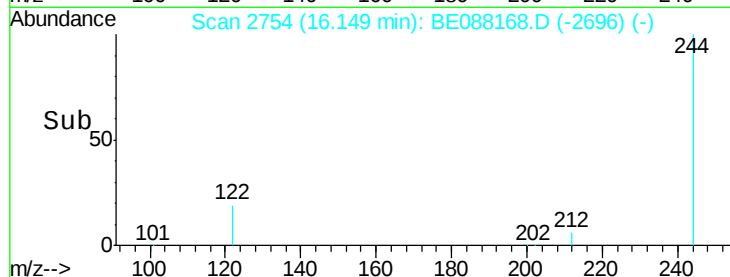
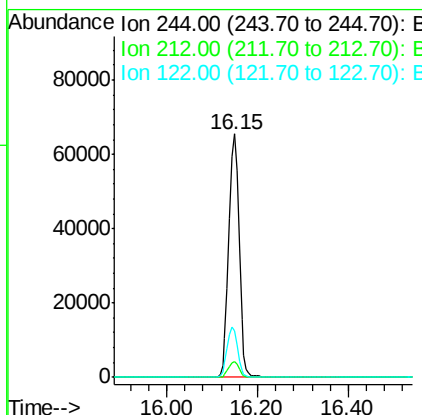
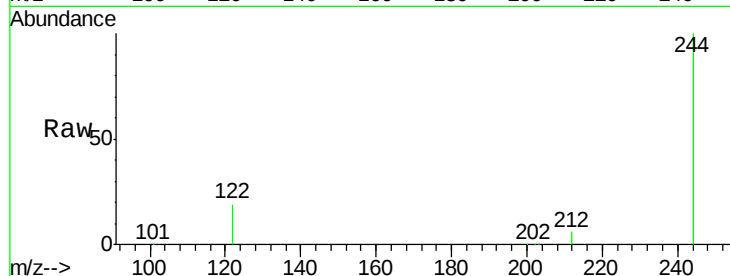
#18
 Terphenyl-d14
 Concen: 12.68 ng
 RT: 16.15 min Scan# 2754
 Delta R.T. 0.00 min
 Lab File: BE088168.D
 Acq: 22 Oct 2014 6:55

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS02-1014

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.4	5.4	8.0
122	19.2	17.5	26.3

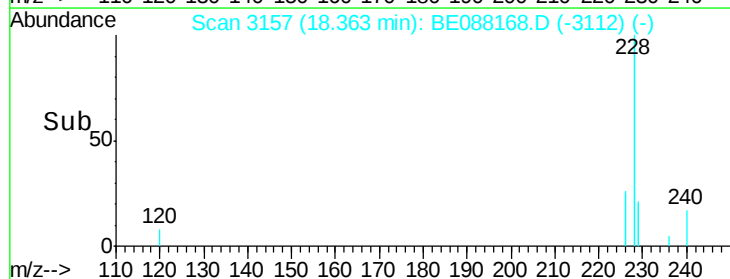
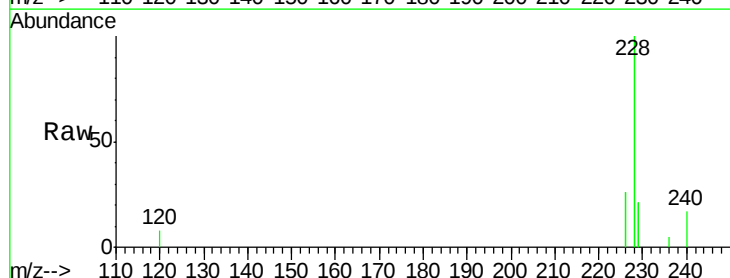
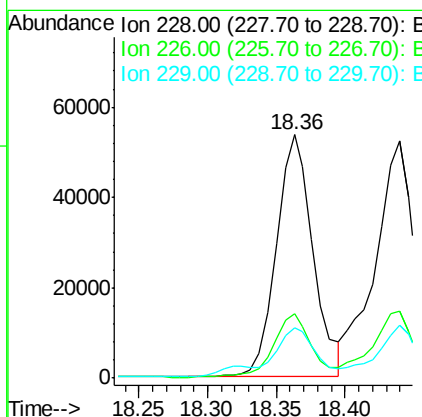
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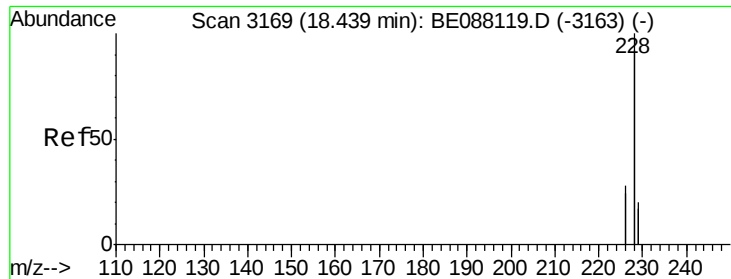
mohammad
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#19
 Benzo(a)anthracene
 Concen: 2.22 ng
 RT: 18.36 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: BE088168.D
 Acq: 22 Oct 2014 6:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	26.2	20.8	31.2
229	20.7	15.6	23.4





#20

Chrysene

Concen: 2.42 ng

RT: 18.44 min Scan# 3169

Delta R.T. 0.00 min

Lab File: BE088168.D

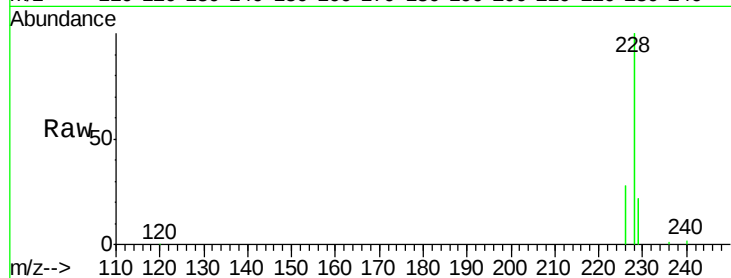
Acq: 22 Oct 2014 6:55

Instrument :

BNA_E

ClientSampleId :

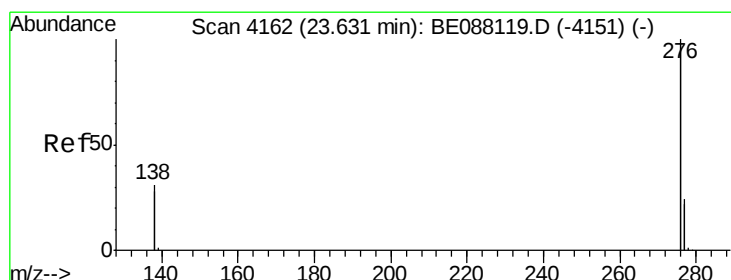
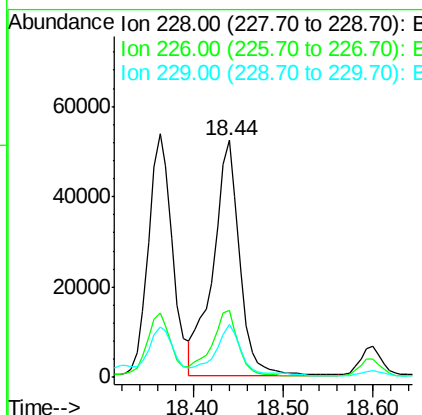
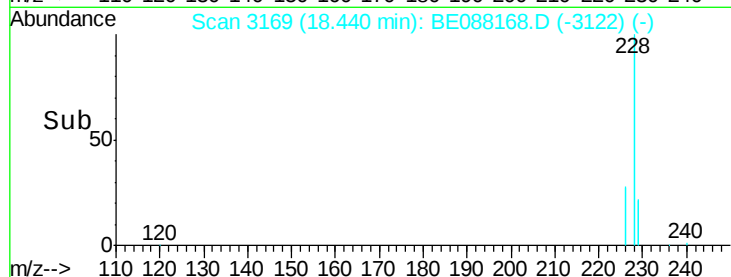
YS19-SS02-1014



Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.7	34.1
229	22.1	15.8	23.6

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#21

Indeno(1,2,3-cd)pyrene

Concen: 1.16 ng

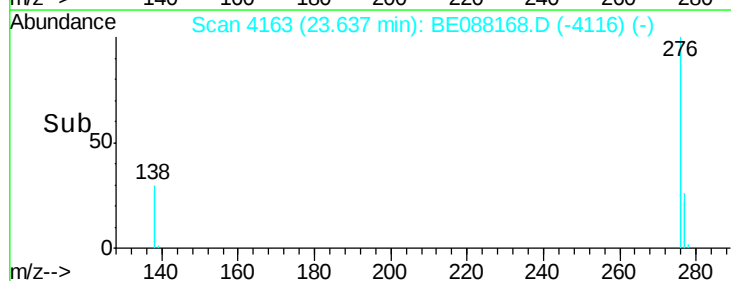
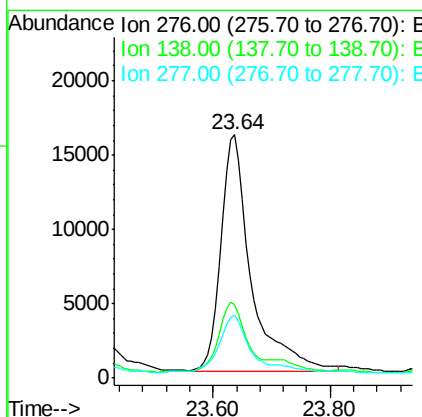
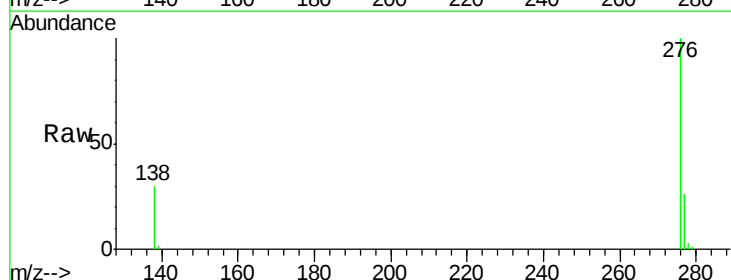
RT: 23.64 min Scan# 4163

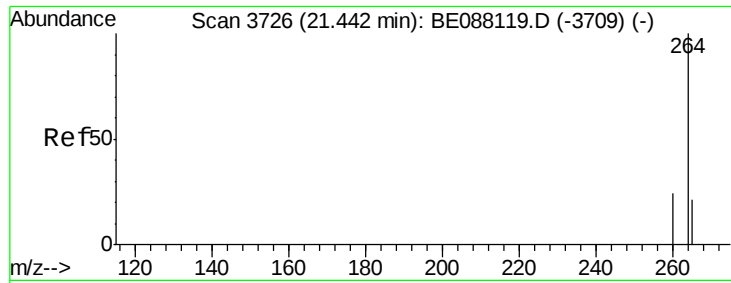
Delta R.T. 0.01 min

Lab File: BE088168.D

Acq: 22 Oct 2014 6:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.8	18.5	27.7
277	27.3	14.6	21.8#





#22

Perylene-d12

Concen: 5.00 ng

RT: 21.44 min Scan# 3726

Delta R.T. -0.00 min

Lab File: BE088168.D

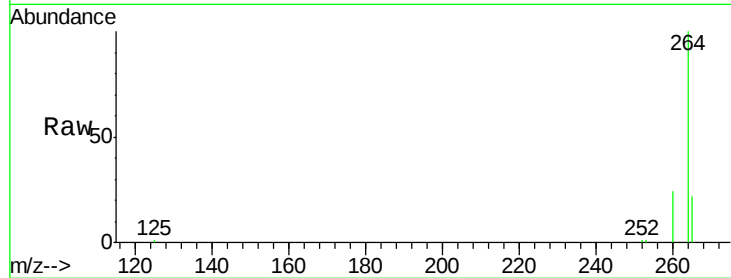
Acq: 22 Oct 2014 6:55

Instrument :

BNA_E

ClientSampleId :

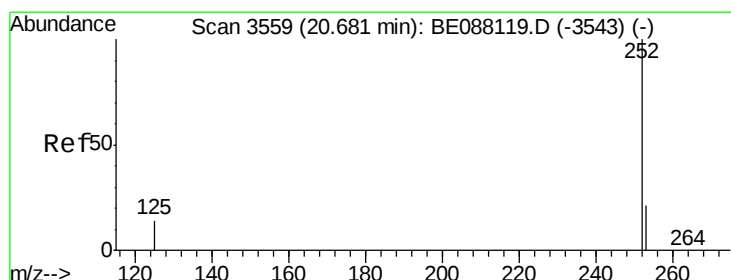
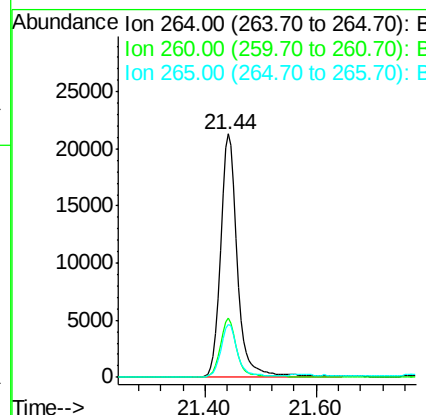
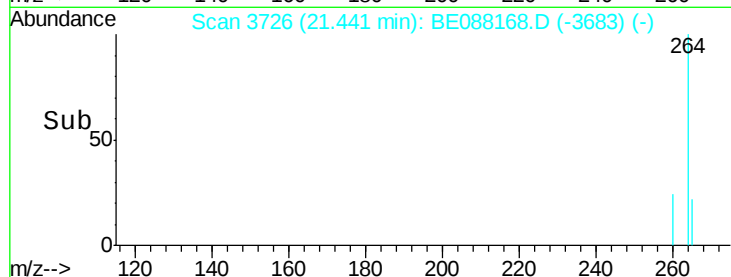
YS19-SS02-1014



Tgt Ion:	264	Resp:	43679
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.0	28.4
265	21.8	17.2	25.8

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#23

Benzo(b)fluoranthene

Concen: 2.86 ng

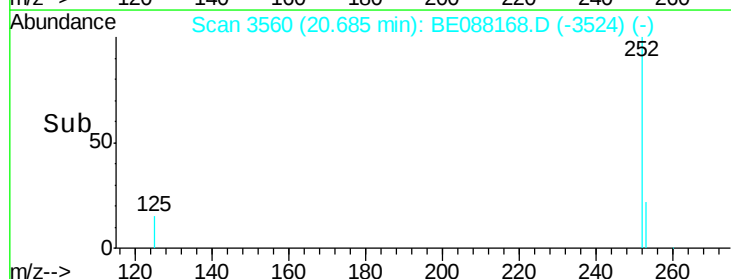
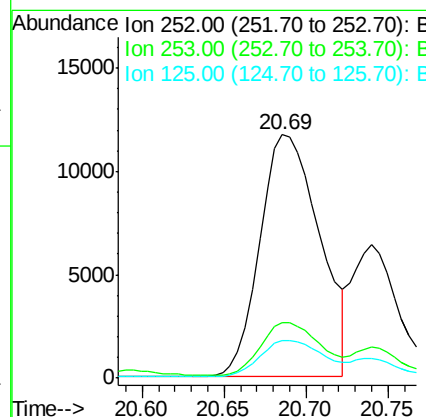
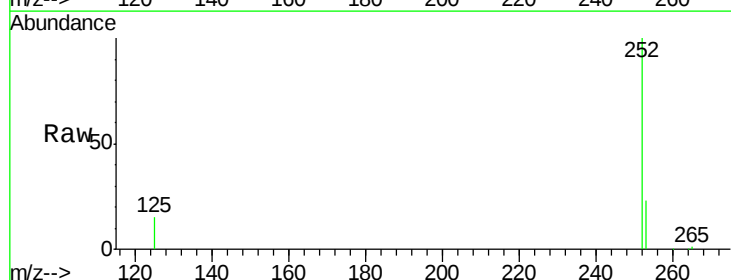
RT: 20.69 min Scan# 3560

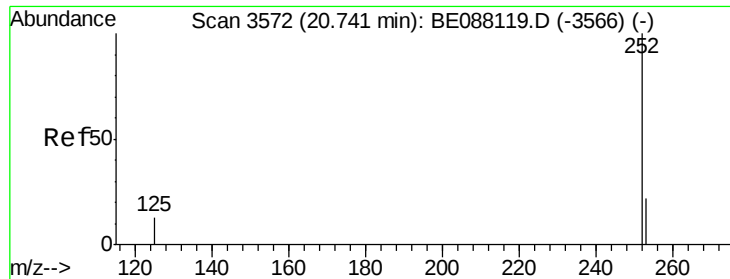
Delta R.T. 0.00 min

Lab File: BE088168.D

Acq: 22 Oct 2014 6:55

Tgt Ion:	252	Resp:	29757
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.4	26.0
125	15.3	11.8	17.8





#24

Benzo(k)fluoranthene

Concen: 1.20 ng

RT: 20.74 min Scan# 3572

Delta R.T. -0.00 min

Lab File: BE088168.D

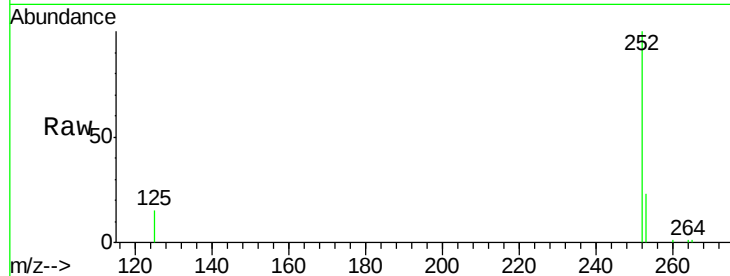
Acq: 22 Oct 2014 6:55

Instrument :

BNA_E

ClientSampleId :

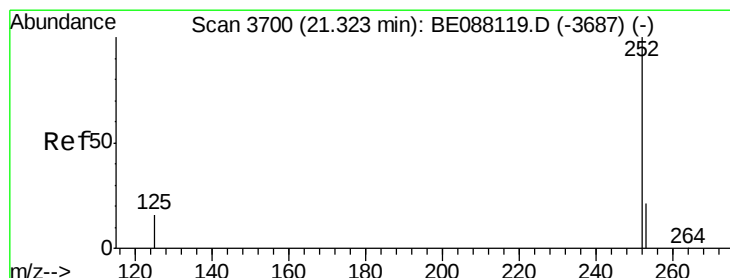
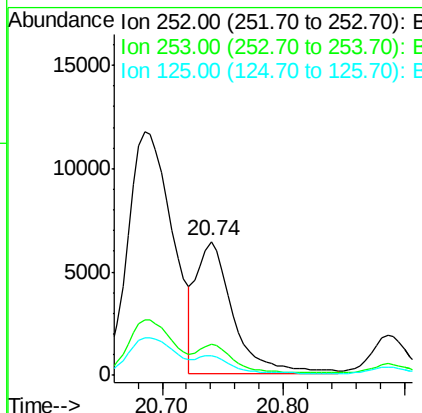
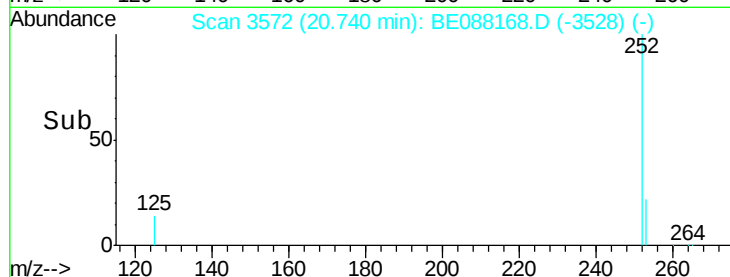
YS19-SS02-1014



Tgt	Ion	Ratio	Lower	Upper
252	100			
253	22.9	17.6	26.4	
125	15.0	11.5	17.3	

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#25

Benzo(a)pyrene

Concen: 2.08 ng

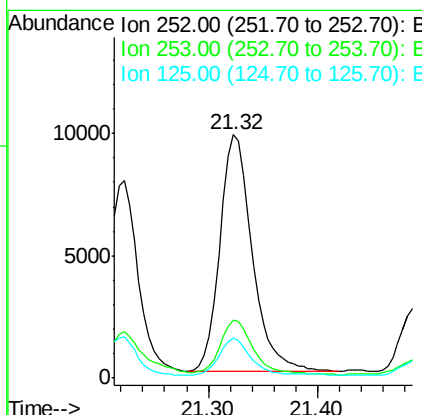
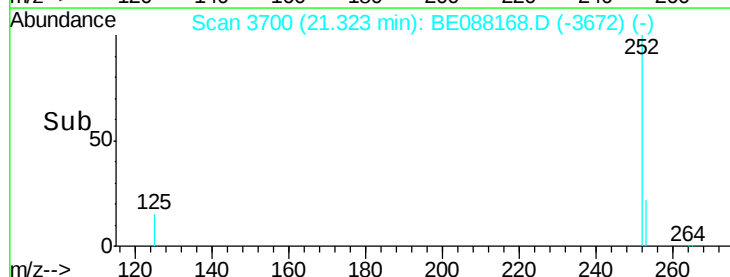
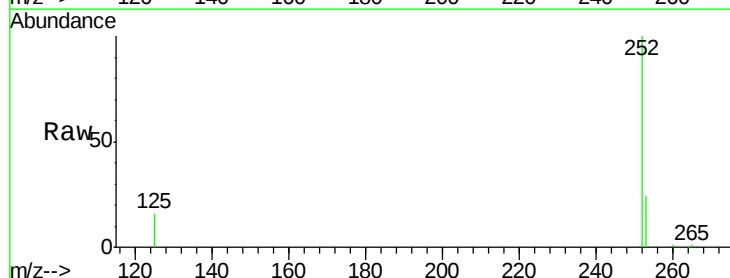
RT: 21.32 min Scan# 3700

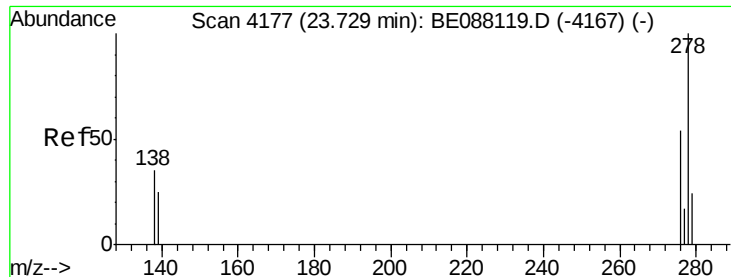
Delta R.T. -0.00 min

Lab File: BE088168.D

Acq: 22 Oct 2014 6:55

Tgt	Ion	Ratio	Lower	Upper
252	100			
253	23.6	17.5	26.3	
125	16.3	13.0	19.6	





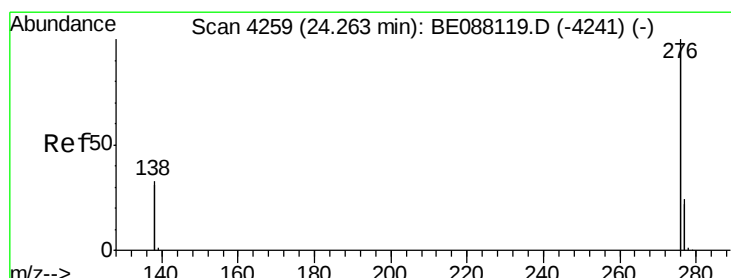
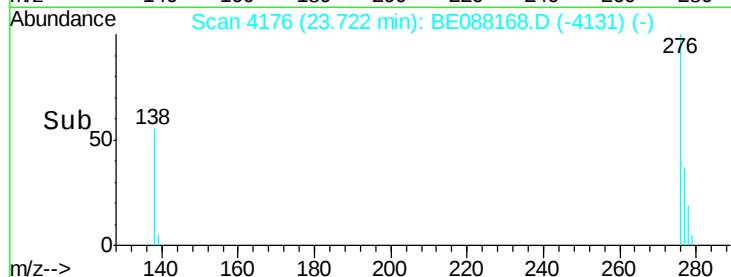
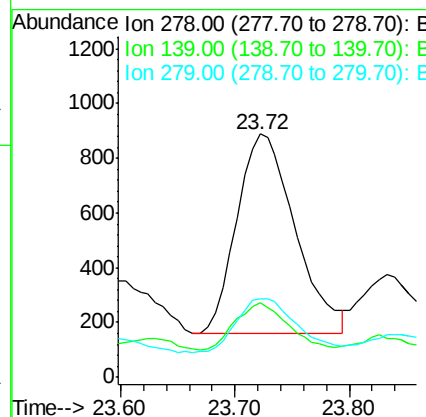
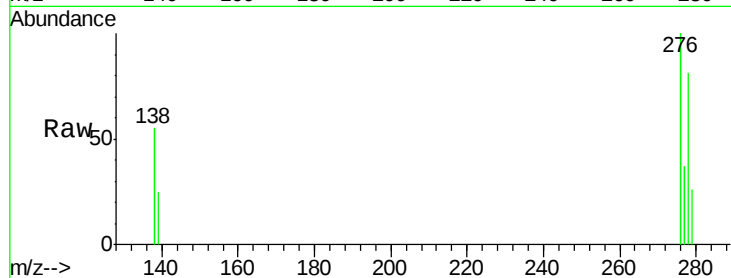
#26
Dibenzo(a,h)anthracene
Concen: 0.27 ng
RT: 23.72 min Scan# 4176
Delta R.T. -0.01 min
Lab File: BE088168.D
Acq: 22 Oct 2014 6:55

Instrument :
BNA_E
ClientSampleId :
YS19-SS02-1014

Tgt Ion	Ratio	Lower	Upper
278	100		
139	30.8	20.9	31.3
279	32.2	19.8	29.8

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#27
Benzo(g,h,i)perylene
Concen: 1.39 ng
RT: 24.26 min Scan# 4259
Delta R.T. -0.00 min
Lab File: BE088168.D
Acq: 22 Oct 2014 6:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.2	28.8
138	33.5	26.6	40.0

