

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102214\
 Data File : BE088189.D
 Acq On : 22 Oct 2014 19:23
 Operator : TP/JJ
 Sample : F4325-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS19-1014

Manual Integrations
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Quant Time: Oct 27 04:34:00 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	26021	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	101085	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	53268	5.00	ng	0.00
12) Phenanthrene-d10	12.97	188	80572	5.00	ng	0.00
16) Chrysene-d12	18.38	240	50387	5.00	ng	0.00
22) Perylene-d12	21.44	264	48389	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.83	82	387820	53.22	ng	0.01
8) 2-Fluorobiphenyl	10.04	172	482857	32.82	ng	0.00
18) Terphenyl-d14	16.16	244	372430	45.93	ng	0.02
Target Compounds						Qvalue
5) Naphthalene	8.72	128	12117	0.58	ng	99
6) 2-Methylnaphthalene	9.57	142	13866	1.11	ng	96
9) Acenaphthylene	10.67	152	94226	1.16	ng	100
10) Acenaphthene	10.88	154	15283	1.22	ng	99
11) Fluorene	11.55	166	17913	1.35	ng	99
13) Phenanthrene	13.01	178	117282m	1.83	ng	
14) Anthracene	13.09	178	104835	1.67	ng	100
15) Fluoranthene	15.25	202	26510	1.73	ng	99
17) Pyrene	15.70	202	26118	1.91	ng	99
19) Benzo(a)anthracene	18.36	228	68517	1.53	ng	100
20) Chrysene	18.44	228	67304	1.53	ng	100
21) Indeno(1,2,3-cd)pyrene	23.64	276	74798m	1.53	ng	
23) Benzo(b)fluoranthene	20.68	252	16442	1.43	ng	96
24) Benzo(k)fluoranthene	20.74	252	17346	1.41	ng	# 97
25) Benzo(a)pyrene	21.32	252	15839	1.49	ng	97
26) Dibenzo(a,h)anthracene	23.74	278	14174	1.36	ng	99
27) Benzo(g,h,i)perylene	24.27	276	68521	1.49	ng	99

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

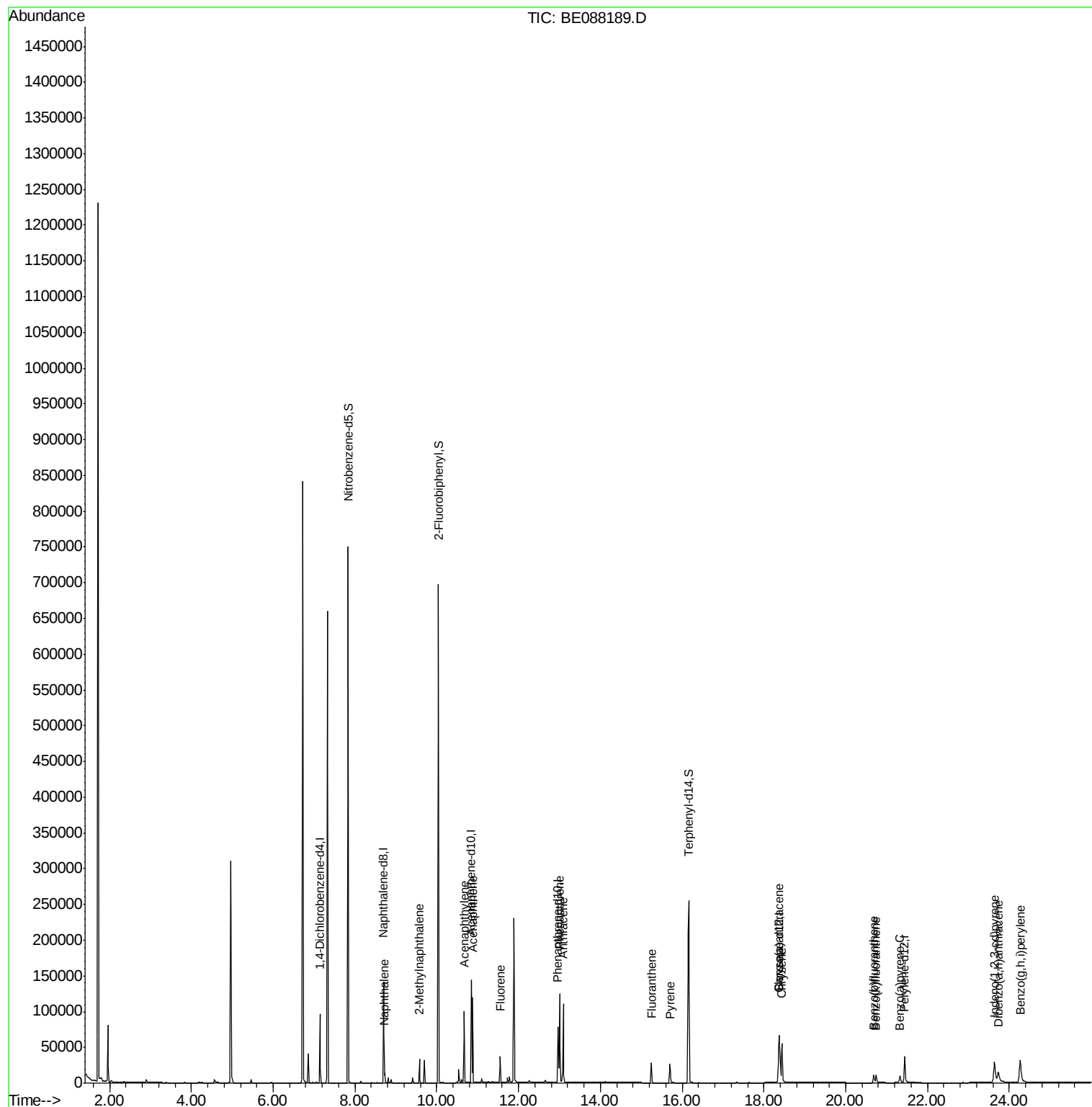
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102214\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088189.D

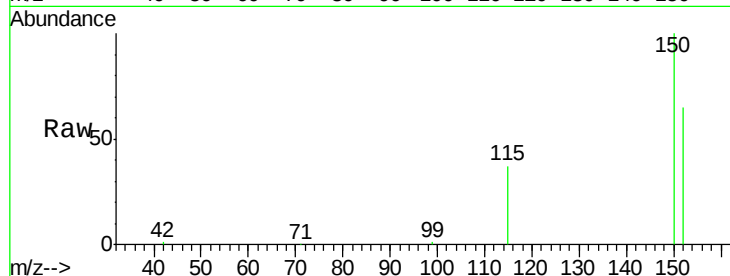
Acq: 22 Oct 2014 19:23

Instrument :

BNA_E

ClientSampleId :

YS19-SS19-1014



Tgt Ion:152 Resp: 26021

Ion Ratio Lower Upper

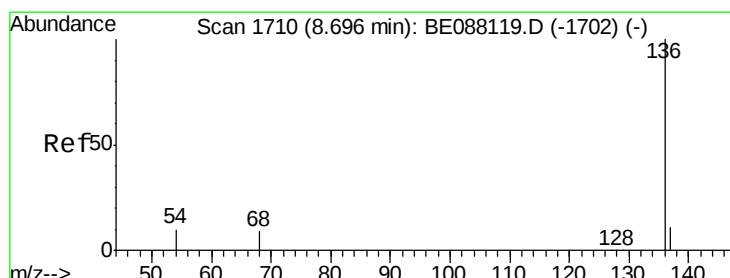
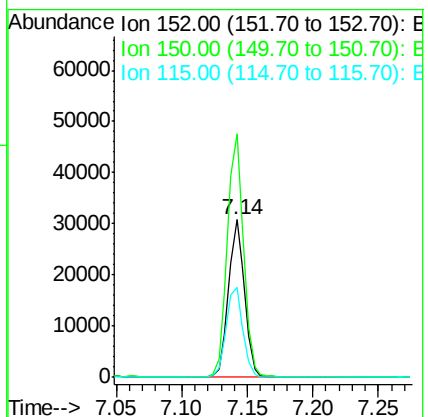
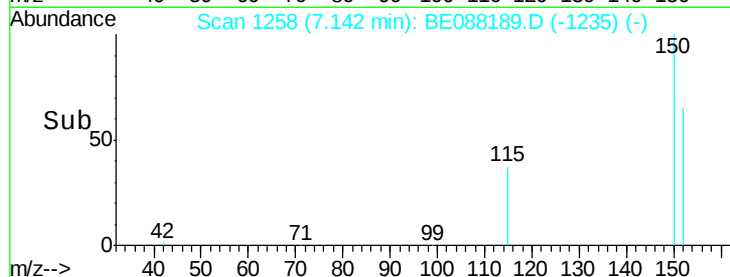
152 100

150 154.7 129.2 193.8

115 57.2 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: BE088189.D

Acq: 22 Oct 2014 19:23

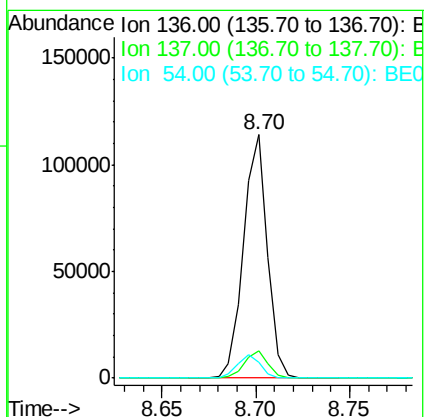
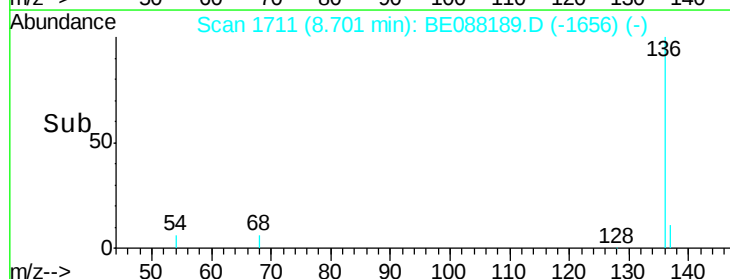
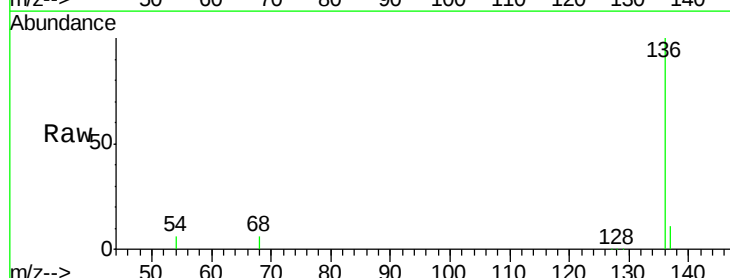
Tgt Ion:136 Resp: 101085

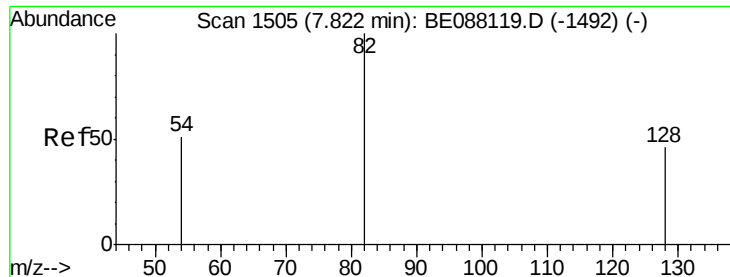
Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

54 6.4 7.7 11.5#





#4

Nitrobenzene-d5

Concen: 53.22 ng

RT: 7.83 min Scan# 1510

Delta R.T. 0.01 min

Lab File: BE088189.D

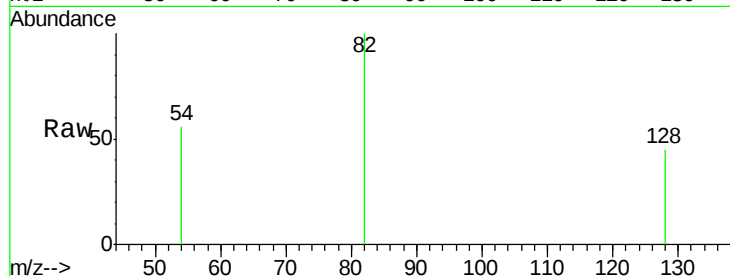
Acq: 22 Oct 2014 19:23

Instrument :

BNA_E

ClientSampleId :

YS19-SS19-1014



Tgt Ion: 82 Resp: 387820

Ion Ratio Lower Upper

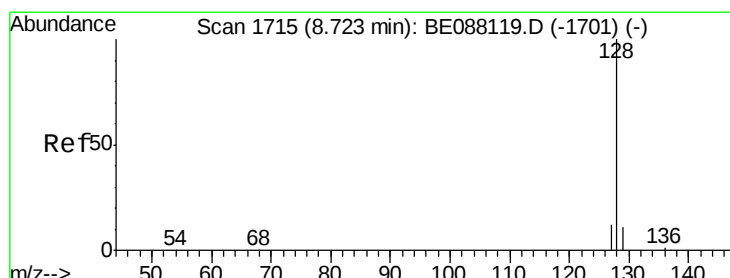
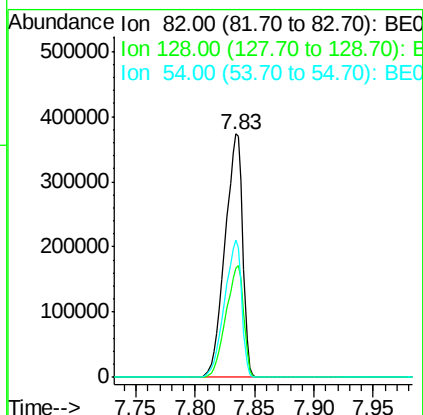
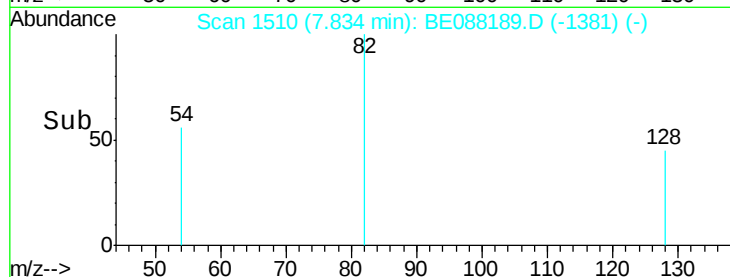
82 100

128 44.7 37.1 55.7

54 56.5 41.1 61.7

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#5

Naphthalene

Concen: 0.58 ng

RT: 8.72 min Scan# 1715

Delta R.T. -0.00 min

Lab File: BE088189.D

Acq: 22 Oct 2014 19:23

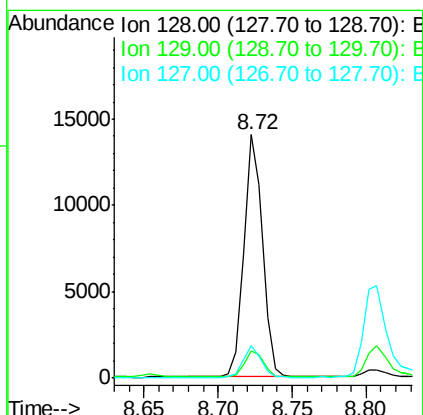
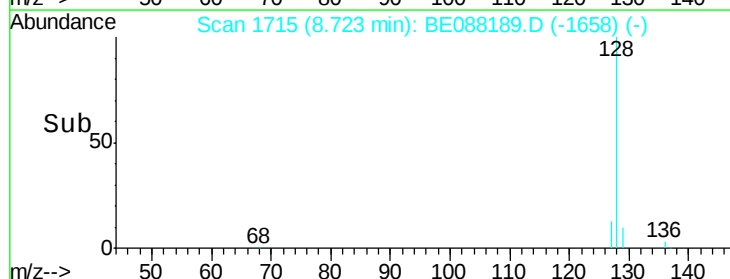
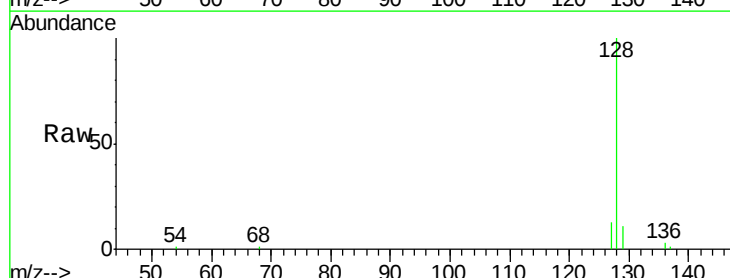
Tgt Ion: 128 Resp: 12117

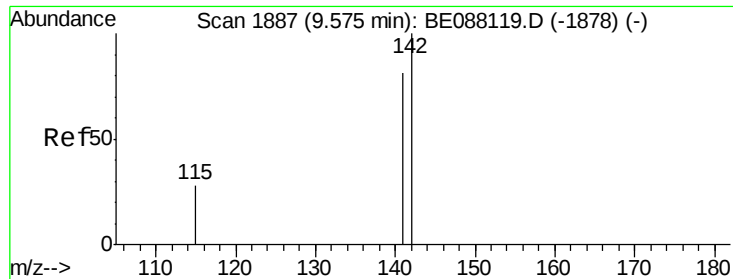
Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

127 13.1 9.7 14.5





#6

2-Methylnaphthalene

Concen: 1.11 ng

RT: 9.57 min Scan# 1887

Delta R.T. -0.00 min

Lab File: BE088189.D

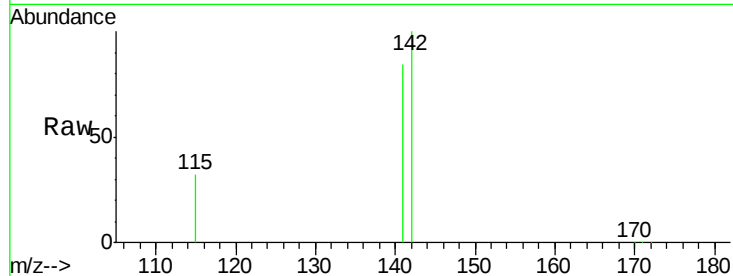
Acq: 22 Oct 2014 19:23

Instrument :

BNA_E

ClientSampleId :

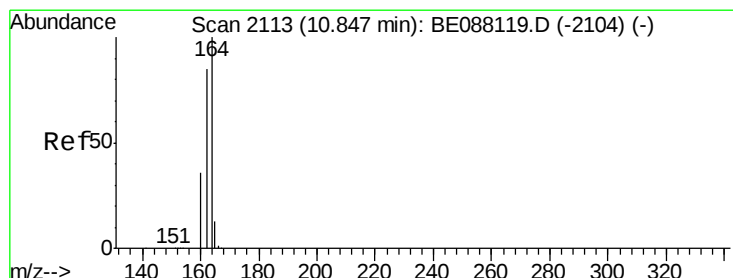
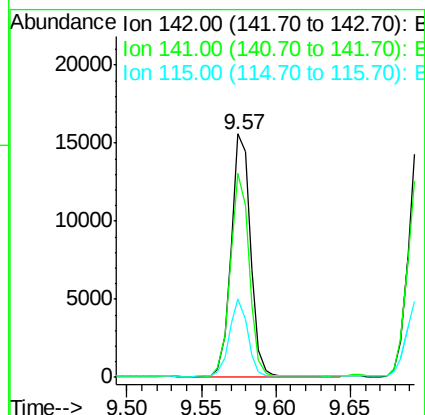
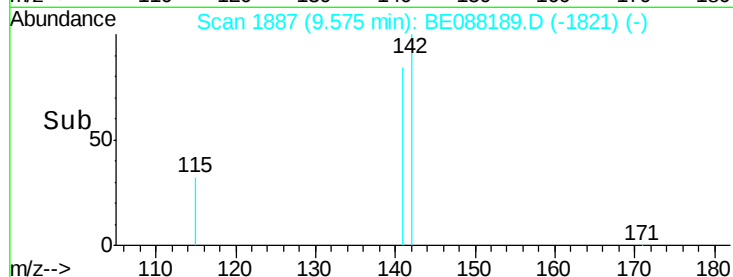
YS19-SS19-1014



Tgt Ion:	142	Resp:	13866
Ion Ratio	Lower	Upper	
142	100		
141	83.7	64.6	97.0
115	32.2	22.6	34.0

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#7

Acenaphthene-d10

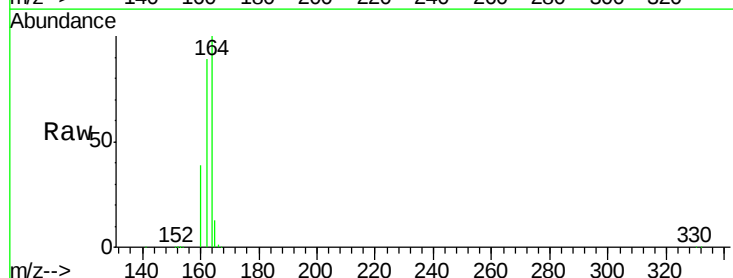
Concen: 5.00 ng

RT: 10.85 min Scan# 2113

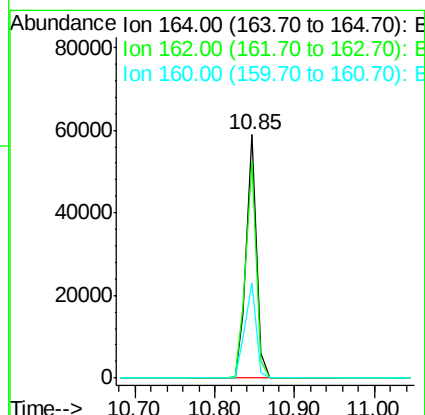
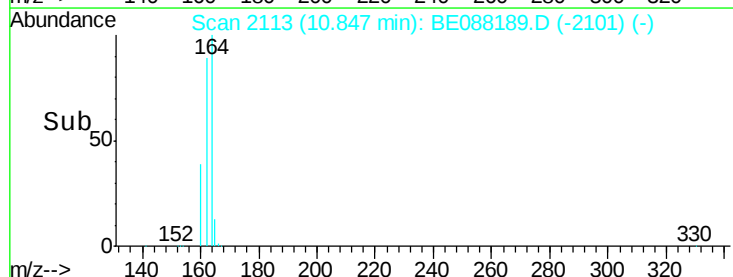
Delta R.T. -0.00 min

Lab File: BE088189.D

Acq: 22 Oct 2014 19:23



Tgt Ion:	164	Resp:	53268
Ion Ratio	Lower	Upper	
164	100		
162	89.1	68.3	102.5
160	39.3	28.7	43.1





#8

2-Fluorobiphenyl

Concen: 32.82 ng

RT: 10.04 min Scan# 1990

Delta R.T. 0.01 min

Lab File: BE088189.D

Acq: 22 Oct 2014 19:23

Instrument :

BNA_E

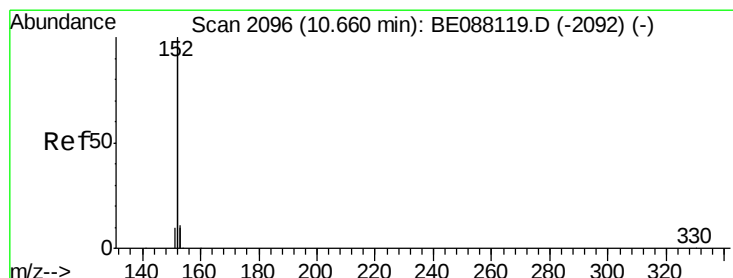
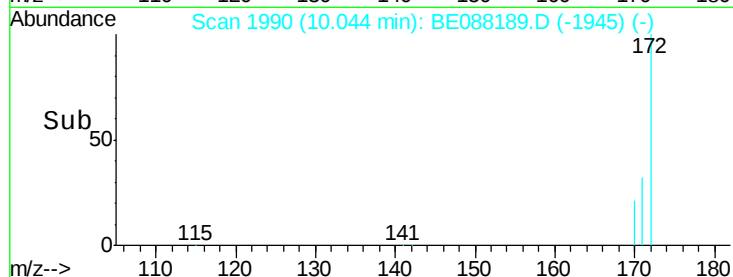
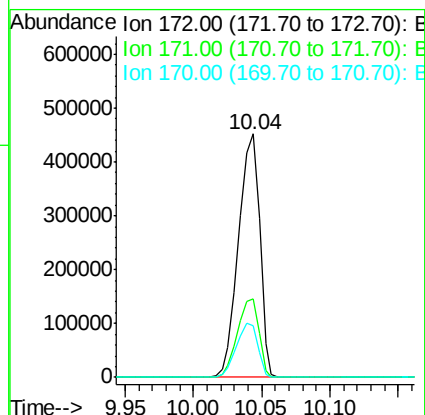
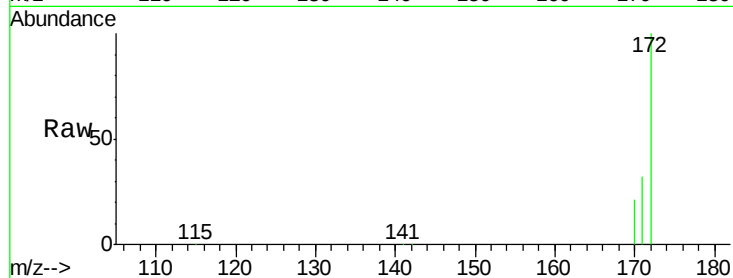
ClientSampleId :

YS19-SS19-1014

Tgt Ion:	172	Resp:	482857
Ion Ratio	Lower	Upper	
172	100		
171	32.2	25.4	38.2
170	21.5	17.4	26.2

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#9

Acenaphthylene

Concen: 1.16 ng

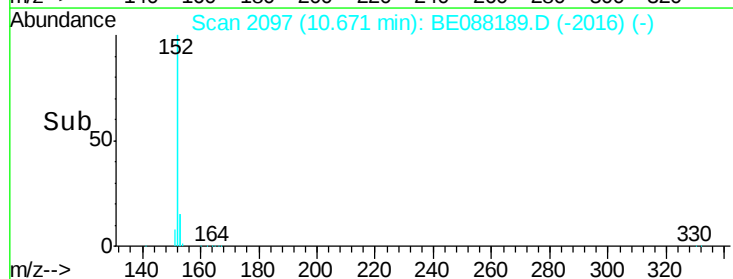
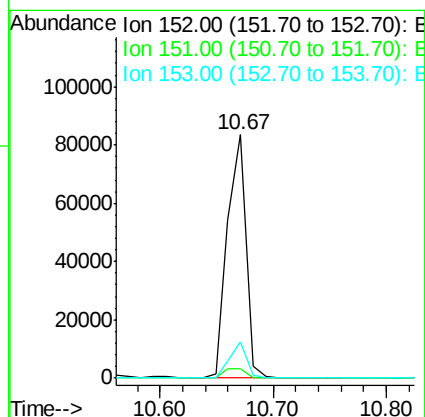
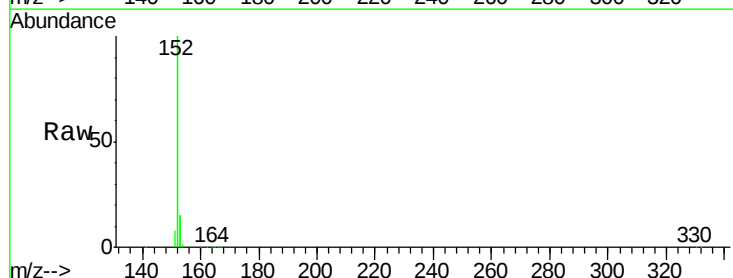
RT: 10.67 min Scan# 2097

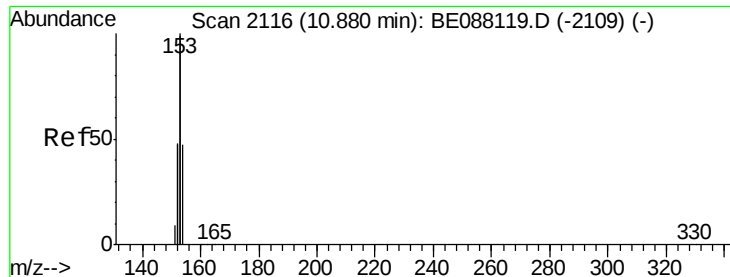
Delta R.T. 0.01 min

Lab File: BE088189.D

Acq: 22 Oct 2014 19:23

Tgt Ion:	152	Resp:	94226
Ion Ratio	Lower	Upper	
152	100		
151	4.6	3.7	5.5
153	13.1	10.4	15.6





#10

Acenaphthene

Concen: 1.22 ng

RT: 10.88 min Scan# 2116

Delta R.T. -0.00 min

Lab File: BE088189.D

Acq: 22 Oct 2014 19:23

Instrument :

BNA_E

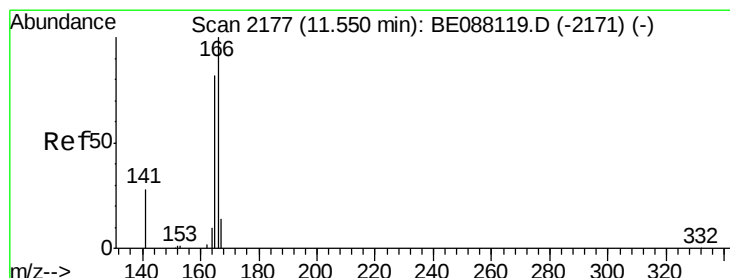
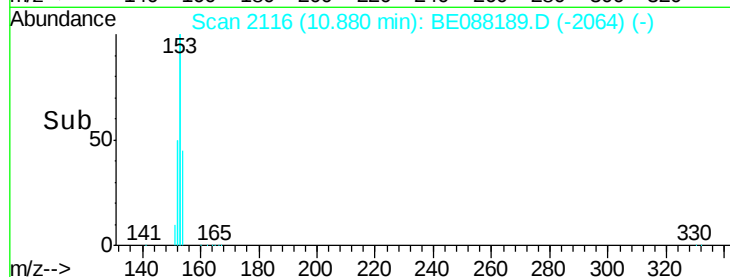
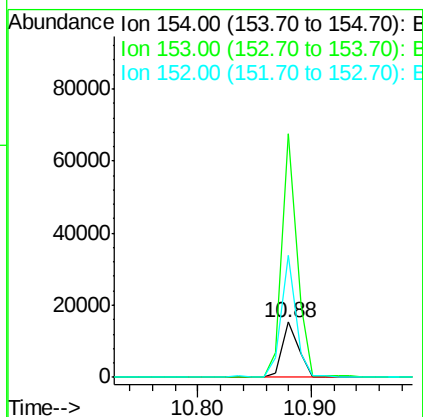
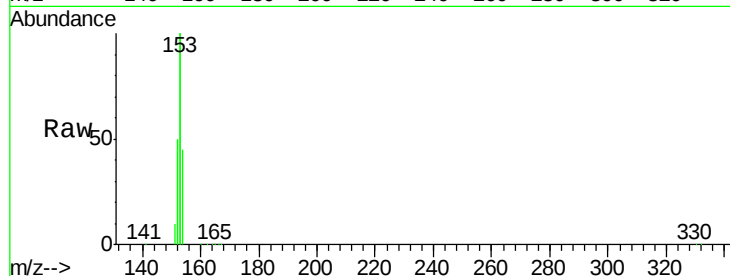
ClientSampleId :

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Tgt Ion:	154	Resp:	15283
Ion Ratio	Lower	Upper	
154	100		
153	407.8	327.8	491.6
152	196.0	157.6	236.4

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#11

Fluorene

Concen: 1.35 ng

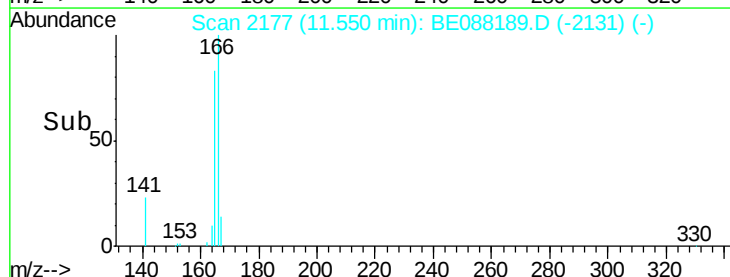
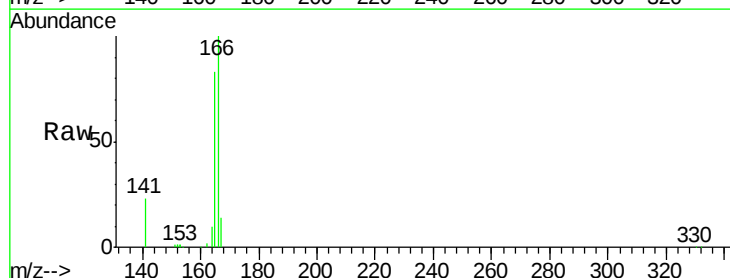
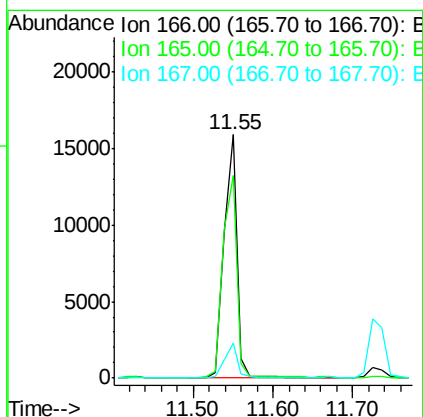
RT: 11.55 min Scan# 2177

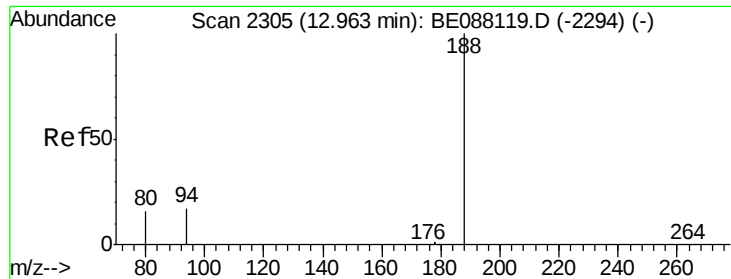
Delta R.T. -0.00 min

Lab File: BE088189.D

Acq: 22 Oct 2014 19:23

Tgt Ion:	166	Resp:	17913
Ion Ratio	Lower	Upper	
166	100		
165	90.0	71.4	107.2
167	13.6	10.6	16.0





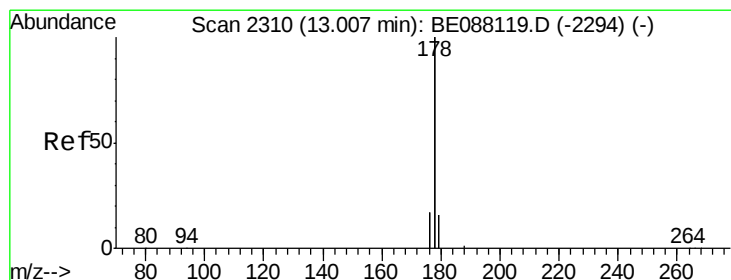
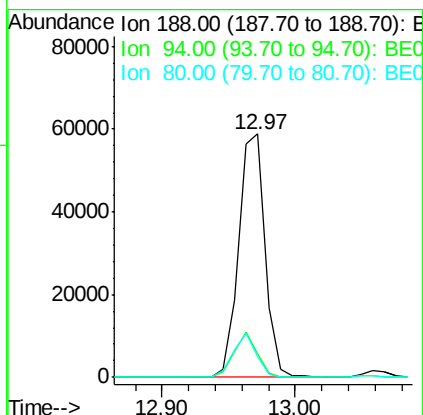
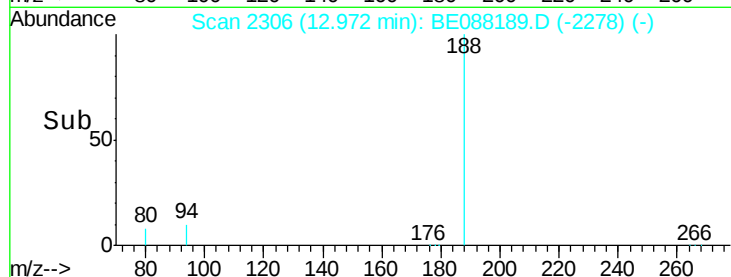
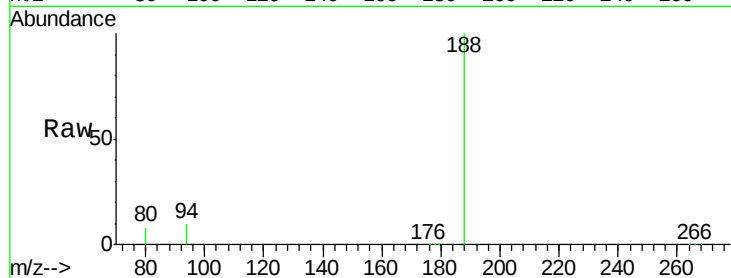
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.97 min Scan# 2306
Delta R.T. 0.01 min
Lab File: BE088189.D
Acq: 22 Oct 2014 19:23

Instrument :
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Tgt Ion	Ratio	Resp	Lower	Upper
188	100	80572		
94	9.7	13.9	20.9#	
80	8.4	12.9	19.3#	

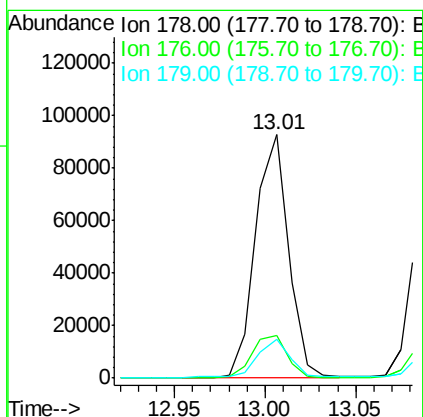
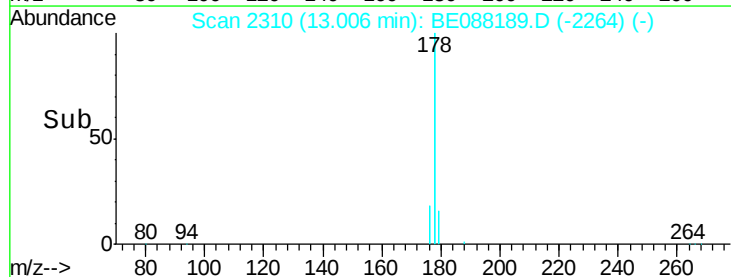
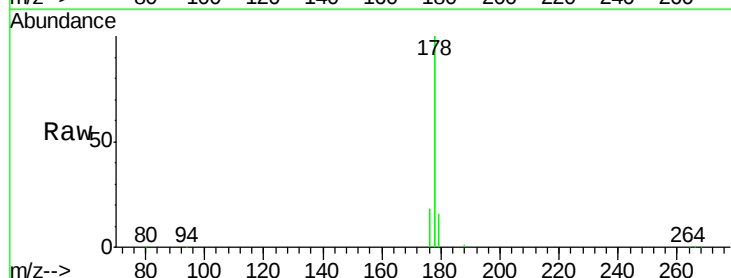
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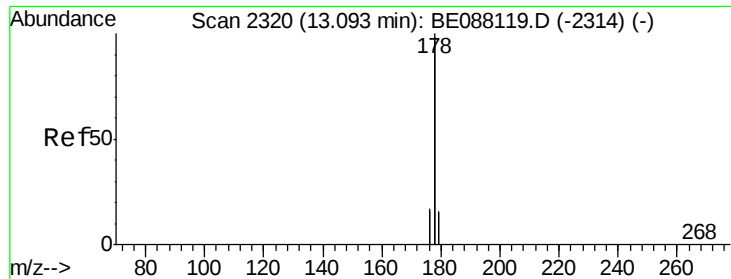
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#13
Phenanthrene
Concen: 1.83 ng m
RT: 13.01 min Scan# 2310
Delta R.T. 0.00 min
Lab File: BE088189.D
Acq: 22 Oct 2014 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	117282		
176	16.3	12.5	18.7	
179	14.2	13.5	20.3	





#14

Anthracene

Concen: 1.67 ng

RT: 13.09 min Scan# 2320

Delta R.T. -0.00 min

Lab File: BE088189.D

Acq: 22 Oct 2014 19:23

Instrument :

BNA_E

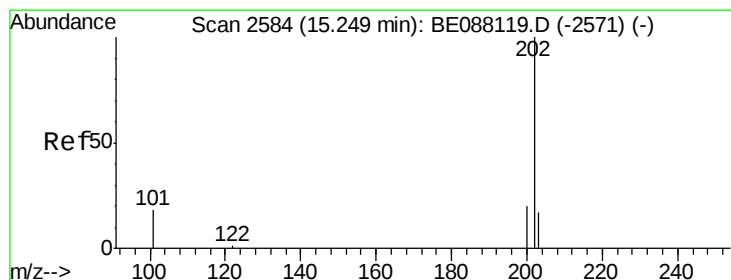
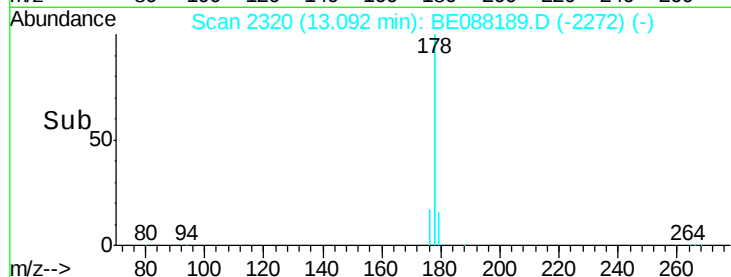
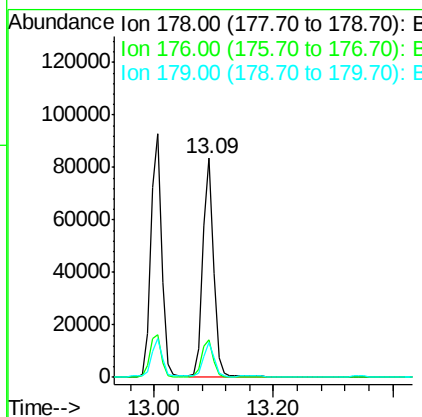
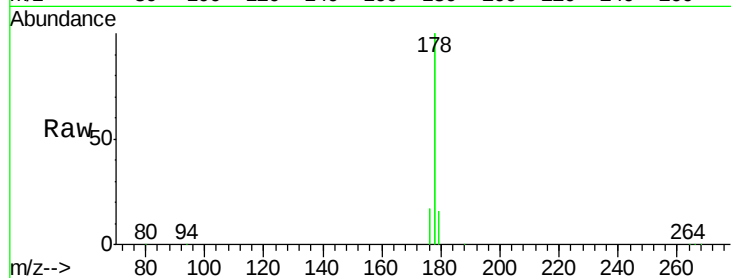
ClientSampleId :

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Tgt Ion:	178	Resp:	104835
Ion Ratio	Lower	Upper	
178	100		
176	18.3	14.6	21.8
179	15.8	12.5	18.7



#15

Fluoranthene

Concen: 1.73 ng

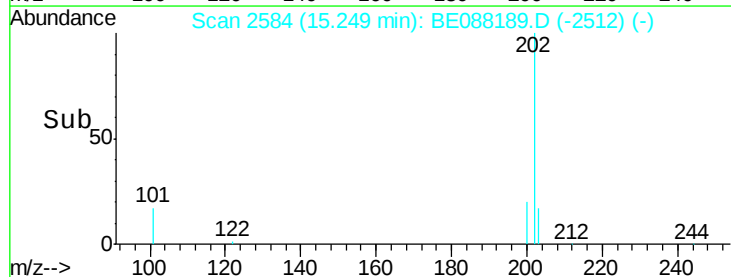
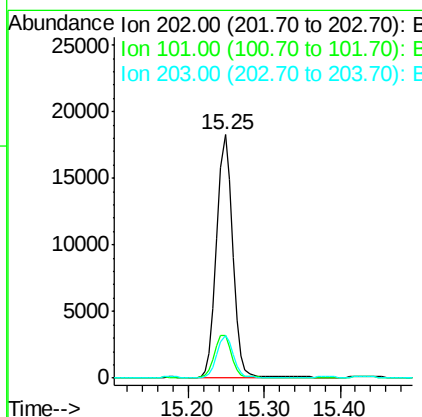
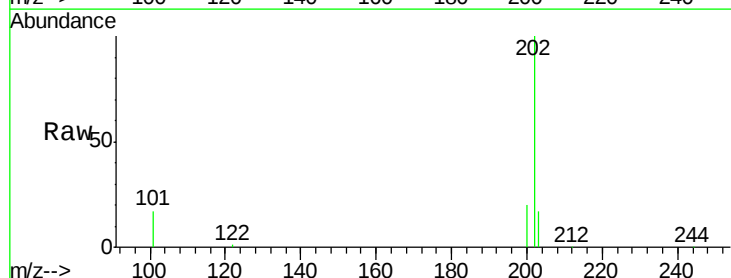
RT: 15.25 min Scan# 2584

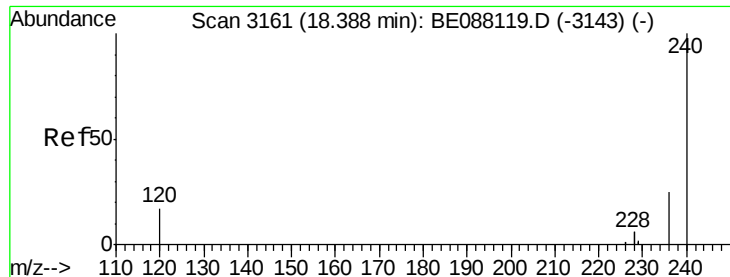
Delta R.T. -0.00 min

Lab File: BE088189.D

Acq: 22 Oct 2014 19:23

Tgt Ion:	202	Resp:	26510
Ion Ratio	Lower	Upper	
202	100		
101	18.2	14.8	22.2
203	17.2	13.5	20.3





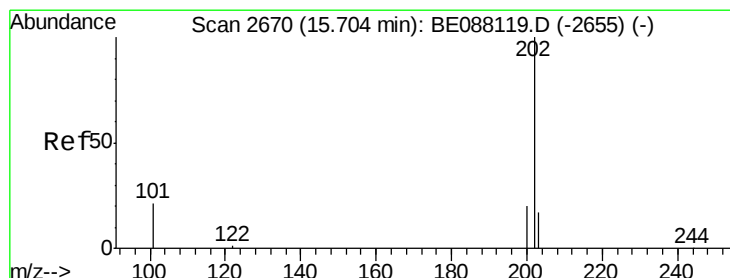
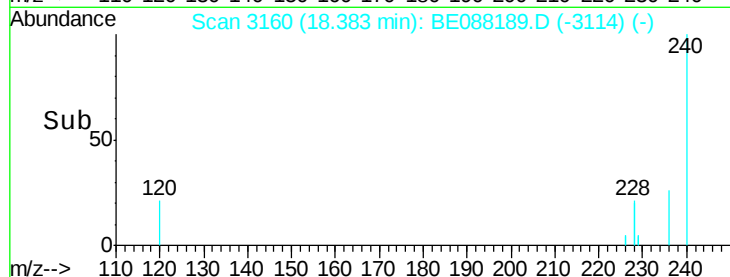
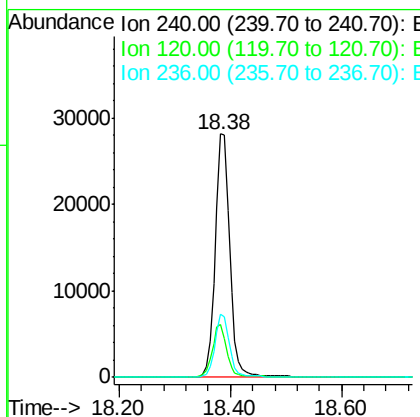
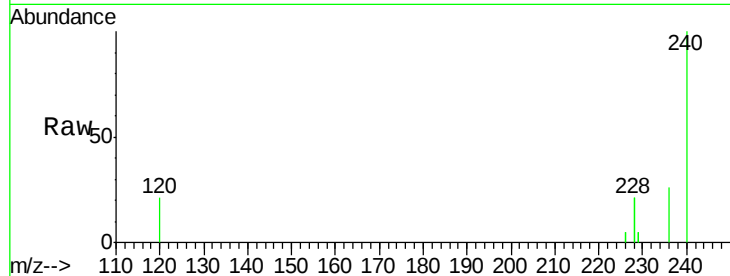
#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.38 min Scan# 3160
Delta R.T. -0.01 min
Lab File: BE088189.D
Acq: 22 Oct 2014 19:23

Instrument :
BNA_E
ClientSampleId :
YS19-SS19-1014

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	50387		
120	21.5	13.9	20.9#	
236	26.1	19.9	29.9	

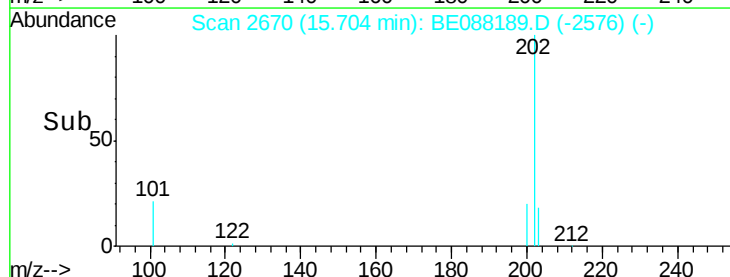
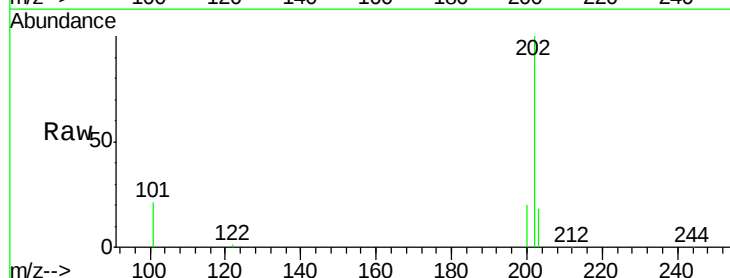
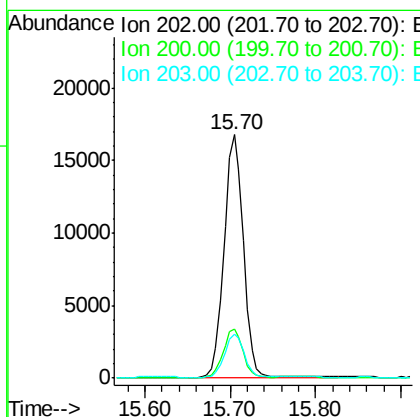
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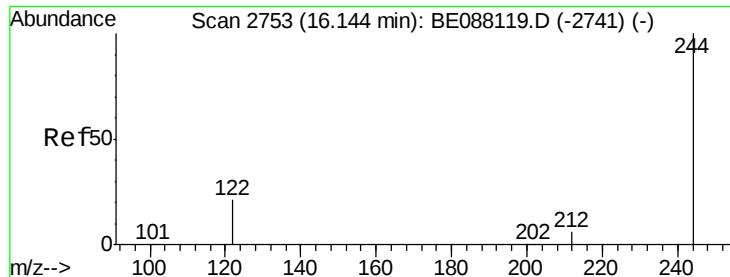
mohammad
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#17
Pyrene
Concen: 1.91 ng
RT: 15.70 min Scan# 2670
Delta R.T. -0.00 min
Lab File: BE088189.D
Acq: 22 Oct 2014 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	26118		
200	20.0	16.1	24.1	
203	17.9	13.9	20.9	





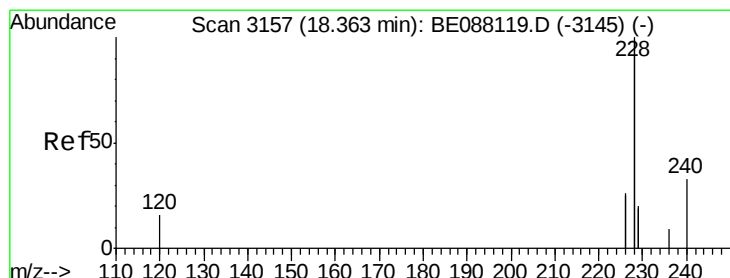
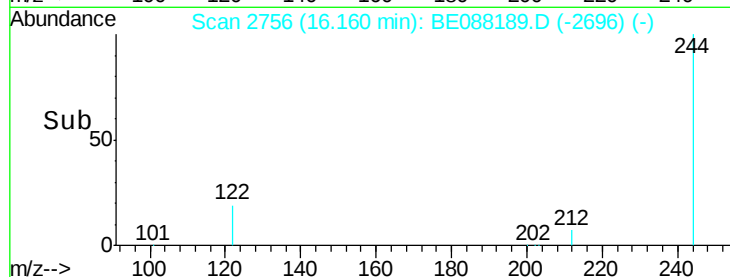
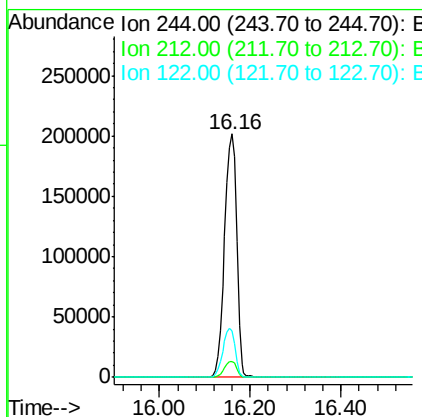
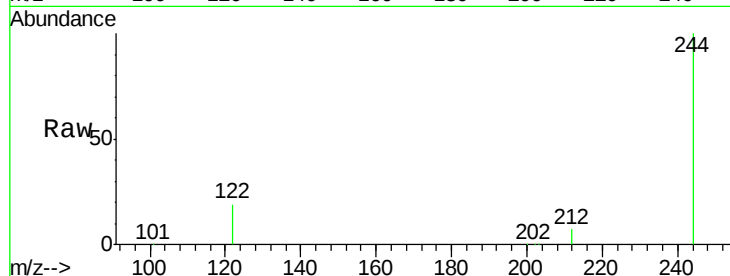
#18
 Terphenyl-d14
 Concen: 45.93 ng
 RT: 16.16 min Scan# 2756
 Delta R.T. 0.02 min
 Lab File: BE088189.D
 Acq: 22 Oct 2014 19:23

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS19-1014

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	372430		
212	6.7	5.4	8.0	
122	19.3	17.5	26.3	

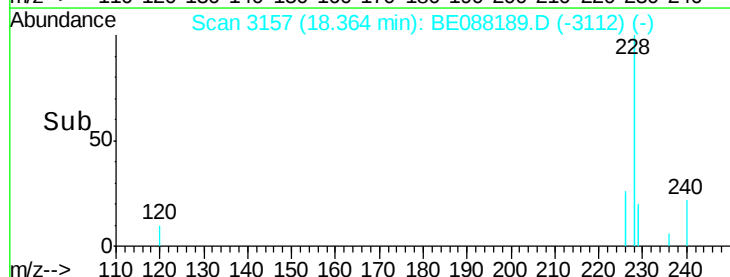
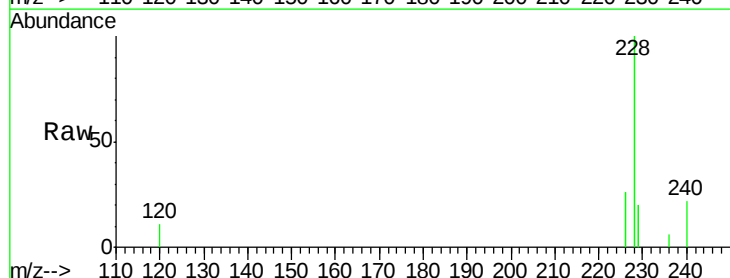
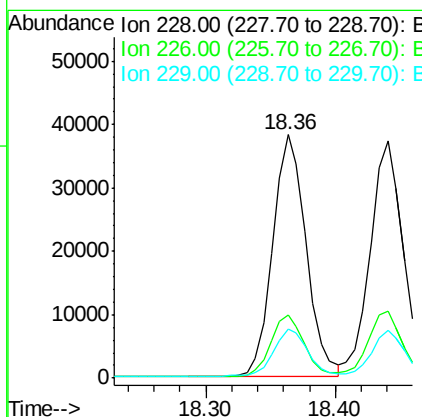
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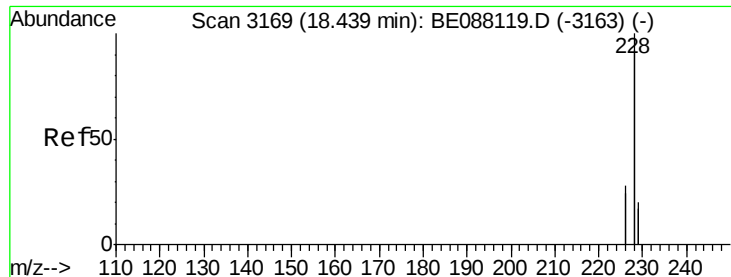
mohammad
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#19
 Benzo(a)anthracene
 Concen: 1.53 ng
 RT: 18.36 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: BE088189.D
 Acq: 22 Oct 2014 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	68517		
226	26.0	20.8	31.2	
229	20.0	15.6	23.4	





#20

Chrysene

Concen: 1.53 ng

RT: 18.44 min Scan# 3169

Delta R.T. 0.00 min

Lab File: BE088189.D

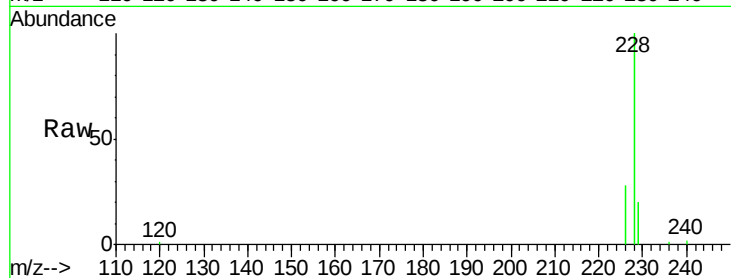
Acq: 22 Oct 2014 19:23

Instrument :

BNA_E

ClientSampleId :

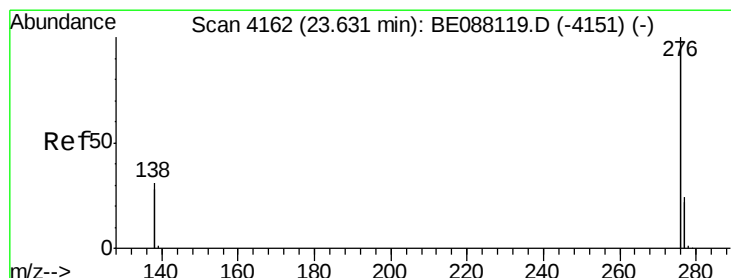
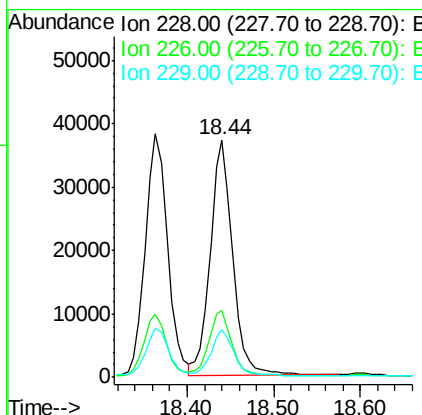
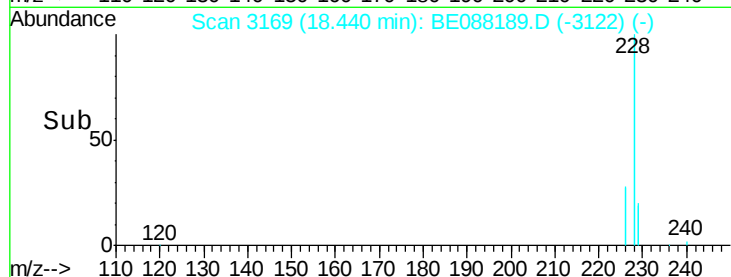
YS19-SS19-1014



Tgt Ion:	228	Resp:	67304
Ion Ratio	Lower	Upper	
228	100		
226	28.1	22.7	34.1
229	19.9	15.8	23.6

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#21

Indeno(1,2,3-cd)pyrene

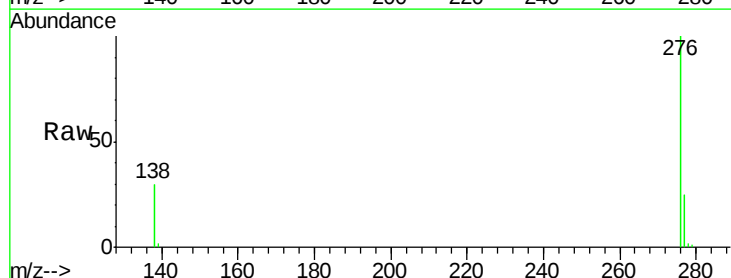
Concen: 1.53 ng m

RT: 23.64 min Scan# 4163

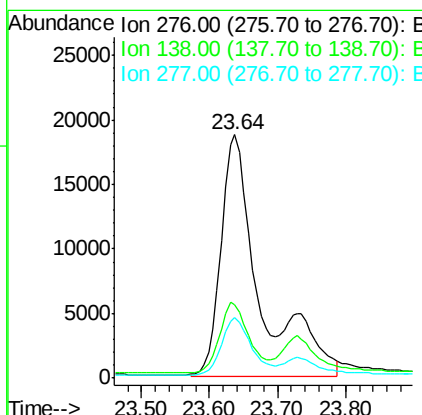
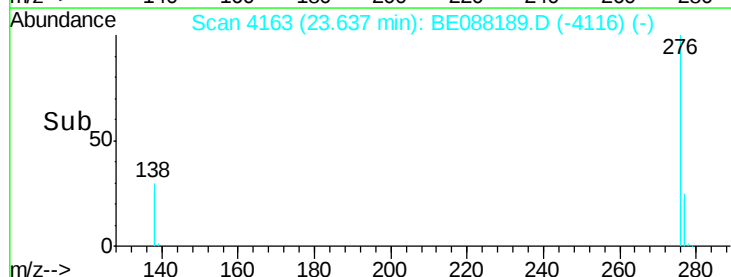
Delta R.T. 0.01 min

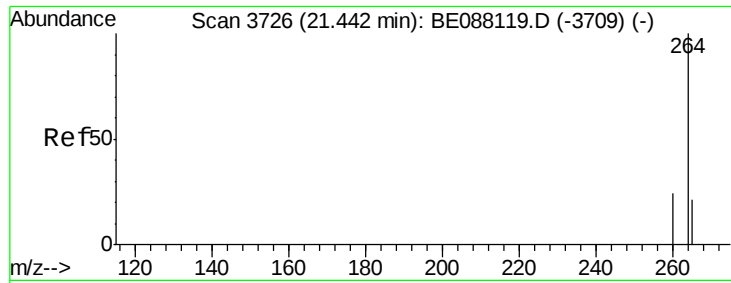
Lab File: BE088189.D

Acq: 22 Oct 2014 19:23



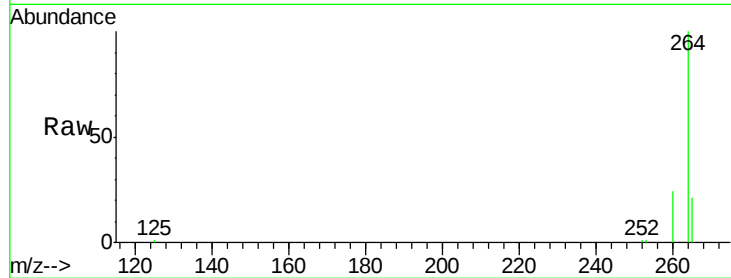
Tgt Ion:	276	Resp:	74798
Ion Ratio	Lower	Upper	
276	100		
138	22.1	18.5	27.7
277	18.0	14.6	21.8





#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.44 min Scan# 3726
 Delta R.T. 0.00 min
 Lab File: BE088189.D
 Acq: 22 Oct 2014 19:23

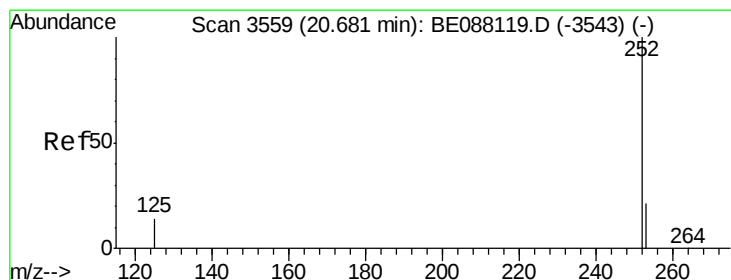
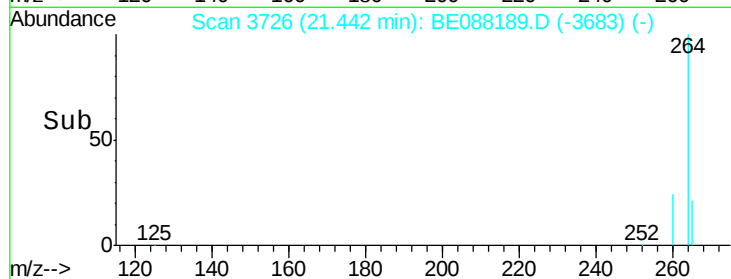
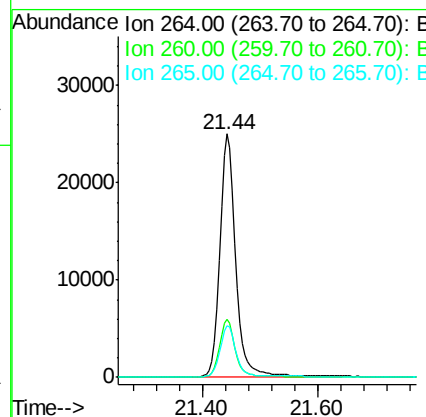
Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS19-1014



Tgt Ion: 264 Resp: 48389
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.0 28.4
 265 21.5 17.2 25.8

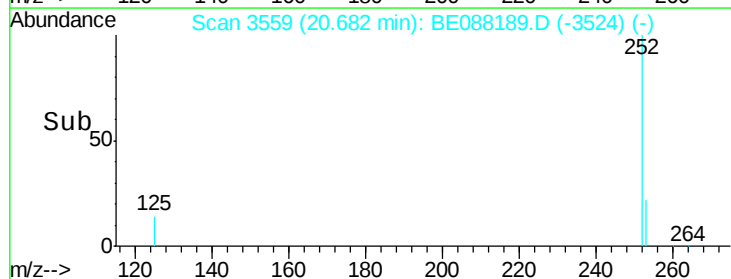
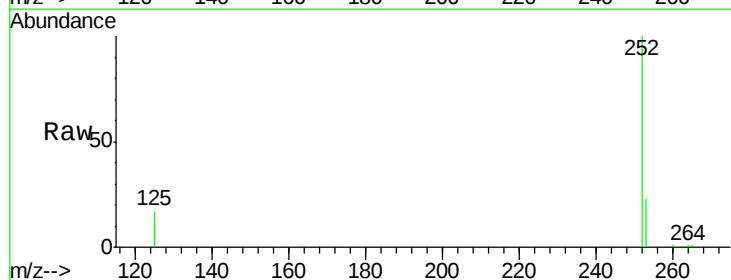
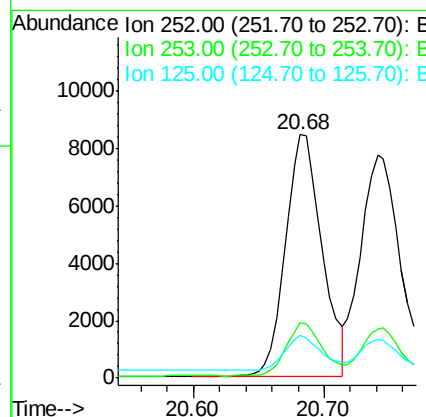
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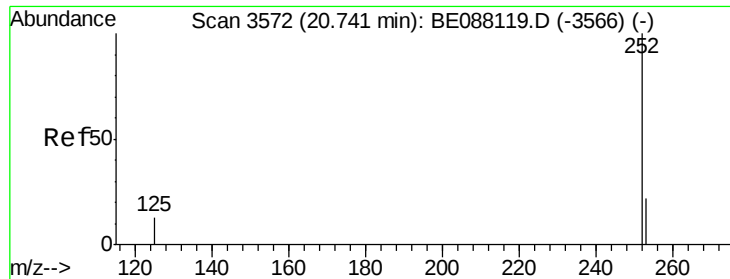
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#23
 Benzo(b)fluoranthene
 Concen: 1.43 ng
 RT: 20.68 min Scan# 3559
 Delta R.T. 0.00 min
 Lab File: BE088189.D
 Acq: 22 Oct 2014 19:23

Tgt Ion: 252 Resp: 16442
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.4 26.0
 125 17.3 11.8 17.8





#24

Benzo(k)fluoranthene

Concen: 1.41 ng

RT: 20.74 min Scan# 3572

Delta R.T. 0.00 min

Lab File: BE088189.D

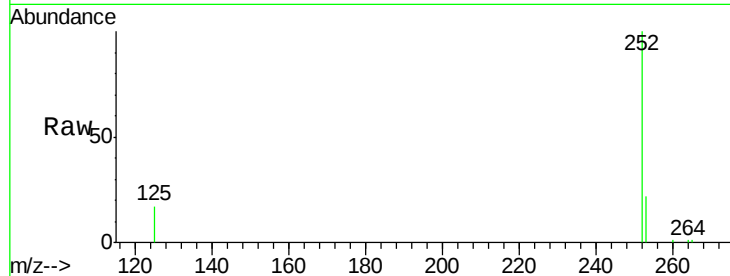
Acq: 22 Oct 2014 19:23

Instrument :

BNA_E

ClientSampleId :

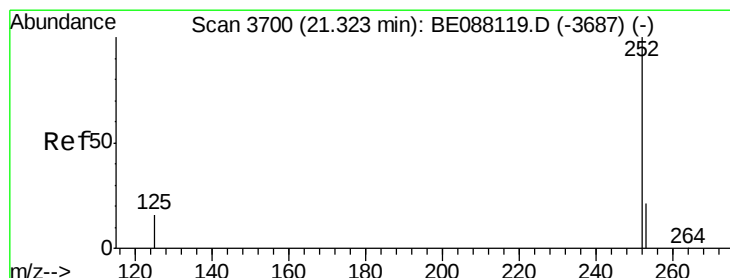
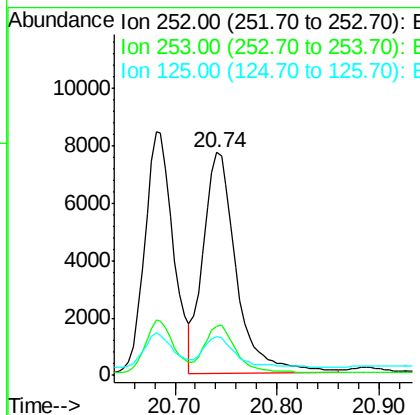
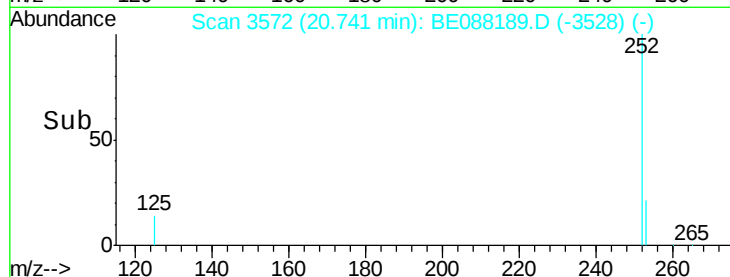
YS19-SS19-1014



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	17.4	11.5	17.3#

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#25

Benzo(a)pyrene

Concen: 1.49 ng

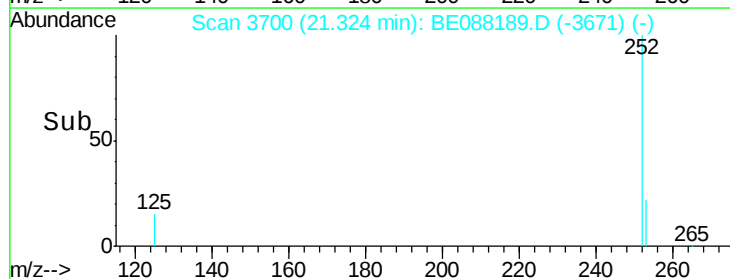
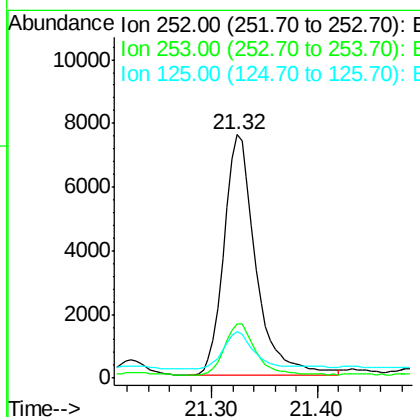
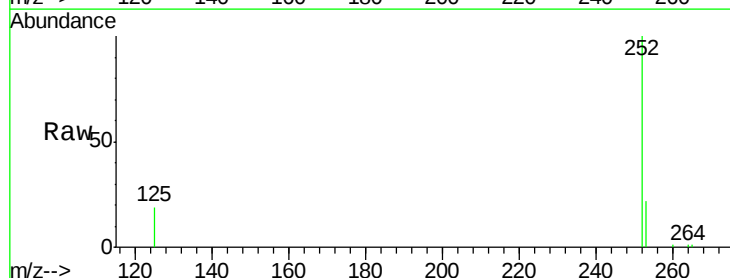
RT: 21.32 min Scan# 3700

Delta R.T. 0.00 min

Lab File: BE088189.D

Acq: 22 Oct 2014 19:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	19.1	13.0	19.6





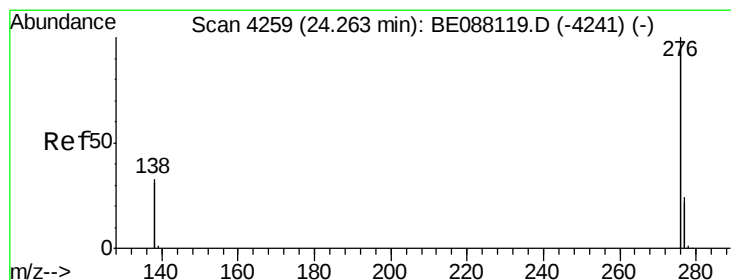
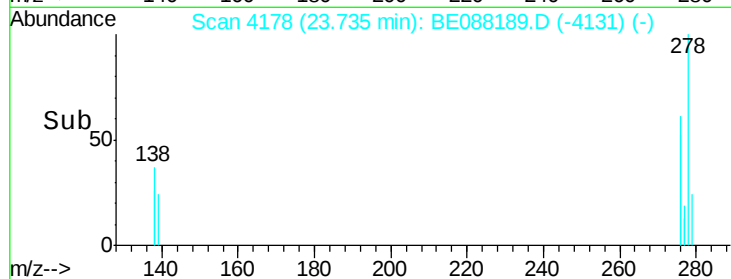
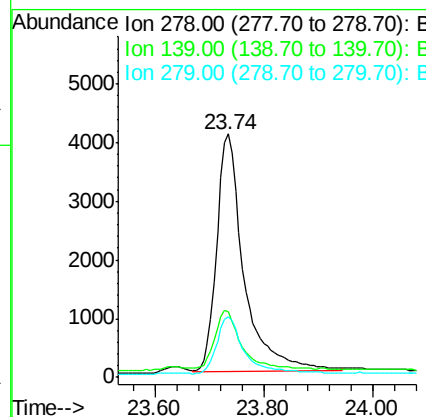
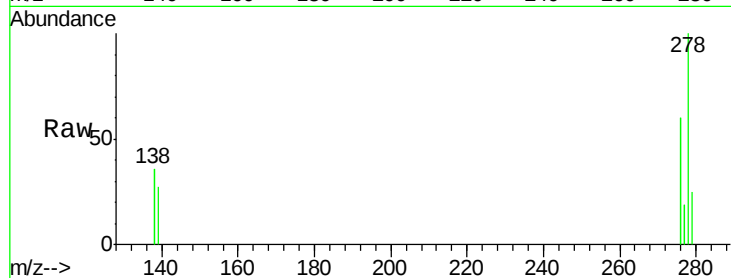
#26
Dibenzo(a,h)anthracene
Concen: 1.36 ng
RT: 23.74 min Scan# 4178
Delta R.T. 0.01 min
Lab File: BE088189.D
Acq: 22 Oct 2014 19:23

Instrument :
BNA_E
ClientSampleId :
YS19-SS19-1014

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.9	20.9	31.3
279	25.0	19.8	29.8

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#27
Benzo(g,h,i)perylene
Concen: 1.49 ng
RT: 24.27 min Scan# 4260
Delta R.T. 0.01 min
Lab File: BE088189.D
Acq: 22 Oct 2014 19:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.2	28.8
138	32.8	26.6	40.0

