

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
 Data File : BE088235.D
 Acq On : 25 Oct 2014 6:41
 Operator : TP/JJ
 Sample : F4368-11
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS39-1014

Manual Integrations
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Quant Time: Oct 27 14:32:53 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102414.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 27 13:04:40 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.11	152	26642	5.00	ng	0.00
3) Naphthalene-d8	8.68	136	102241	5.00	ng	0.00
7) Acenaphthene-d10	10.82	164	56763	5.00	ng	0.00
12) Phenanthrene-d10	12.94	188	117037	5.00	ng	0.00
16) Chrysene-d12	18.34	240	59724	5.00	ng	0.00
22) Perylene-d12	21.40	264	46698	5.00	ng	0.00

System Monitoring Compounds						
4) Nitrobenzene-d5	7.81	82	422994	54.73	ng	0.01
8) 2-Fluorobiphenyl	10.02	172	533466	33.70	ng	0.00
18) Terphenyl-d14	16.13	244	485512	49.64	ng	0.02

Target Compounds						Qvalue
9) Acenaphthylene	10.64	152	3483	0.04	ng	98
11) Fluorene	11.52	166	368	0.03	ng	# 92
13) Phenanthrene	12.97	178	13209	0.12	ng	# 75
14) Anthracene	13.06	178	4064	0.05	ng	# 81
15) Fluoranthene	15.21	202	4706	0.27	ng	100
17) Pyrene	15.66	202	4604	0.28	ng	97
19) Benzo(a)anthracene	18.32	228	9991	0.21	ng	95
20) Chrysene	18.40	228	10912	0.20	ng	# 94
21) Indeno(1,2,3-cd)pyrene	23.57	276	6918	0.36	ng	# 75
23) Benzo(b)fluoranthene	20.64	252	2858	0.44	ng	# 89
24) Benzo(k)fluoranthene	20.69	252	1880m	0.16	ng	
25) Benzo(a)pyrene	21.28	252	1694	0.34	ng	# 85
27) Benzo(g,h,i)perylene	24.20	276	7257	0.19	ng	# 84

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

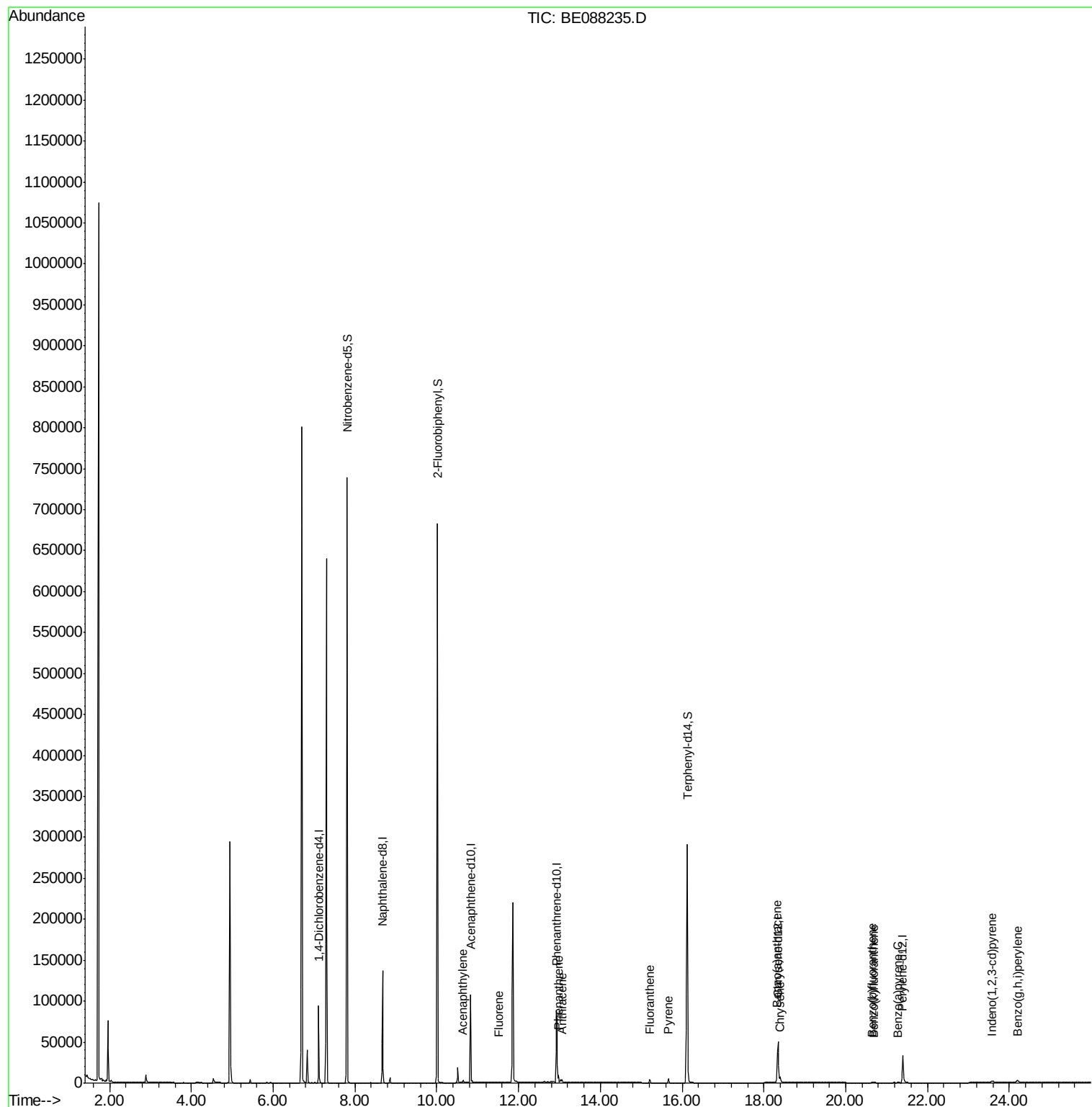
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
Data File : BE088235.D
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Misc :
ALS Vial : 27 Sample Multiplier: 1

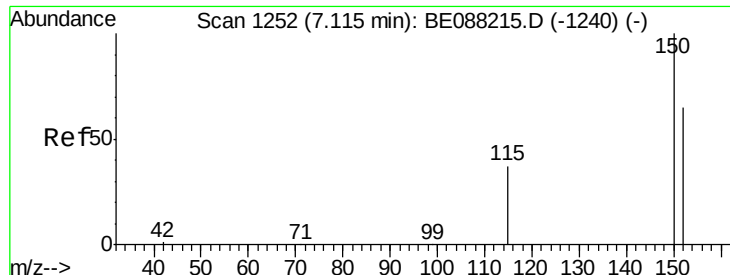
Instrument :
BNA_E
ClientSampleId :
YS19-SS39-1014

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Quant Time: Oct 27 14:32:53 2014
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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: 7.11 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BE088235.D

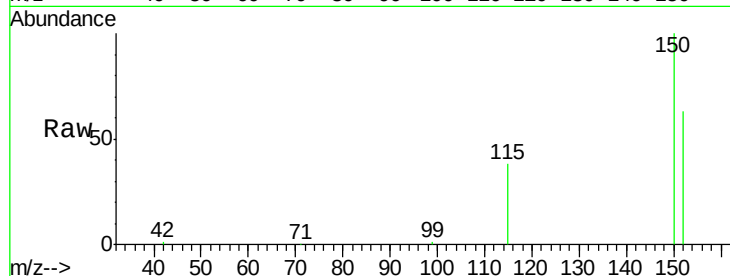
Acq: 25 Oct 2014 6:41

Instrument :

BNA_E

ClientSampleId :

YS19-SS39-1014



Tgt Ion:152 Resp: 26642

Ion Ratio Lower Upper

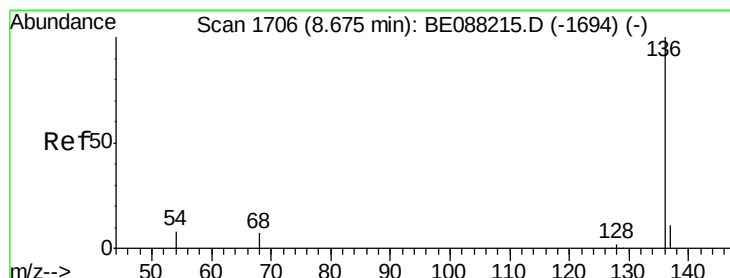
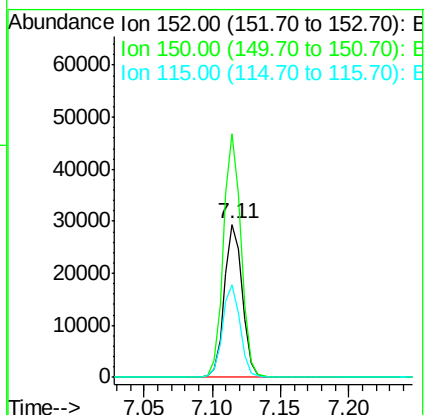
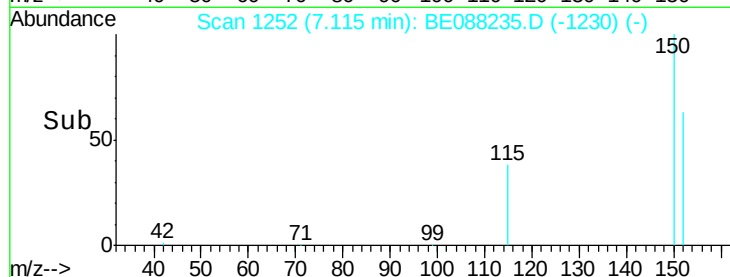
152 100

150 159.3 123.2 184.8

115 60.6 45.3 67.9

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#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.68 min Scan# 1706

Delta R.T. 0.00 min

Lab File: BE088235.D

Acq: 25 Oct 2014 6:41

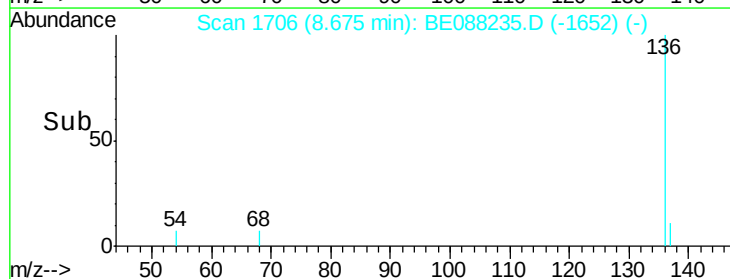
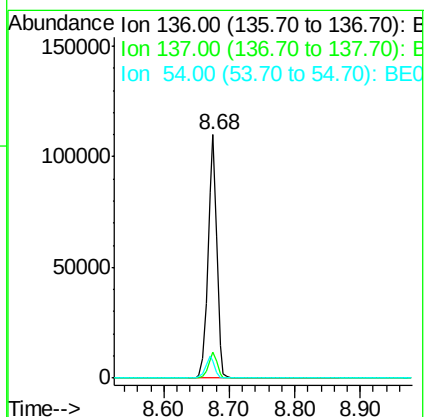
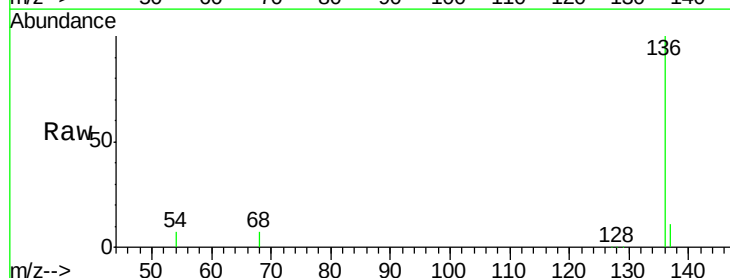
Tgt Ion:136 Resp: 102241

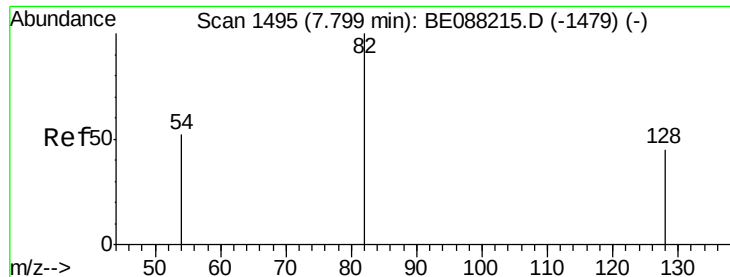
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 7.1 6.1 9.1





#4

Nitrobenzene-d5

Concen: 54.73 ng

RT: 7.81 min Scan# 1500

Delta R.T. 0.01 min

Lab File: BE088235.D

Acq: 25 Oct 2014 6:41

Instrument :

BNA_E

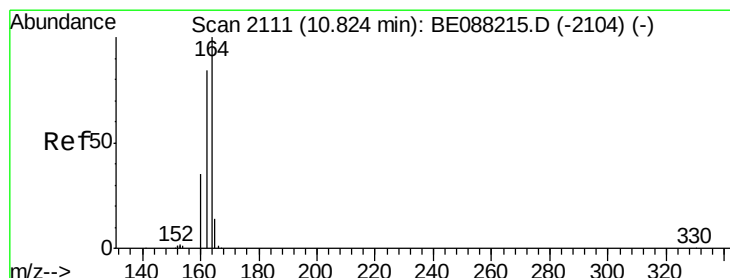
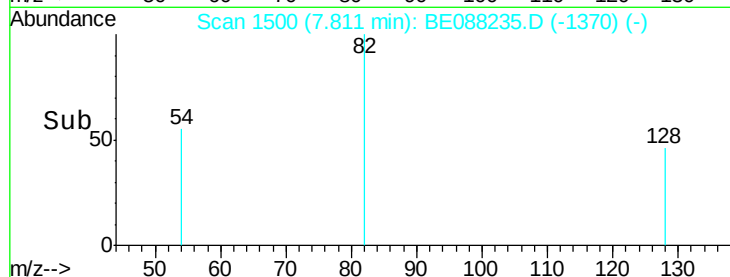
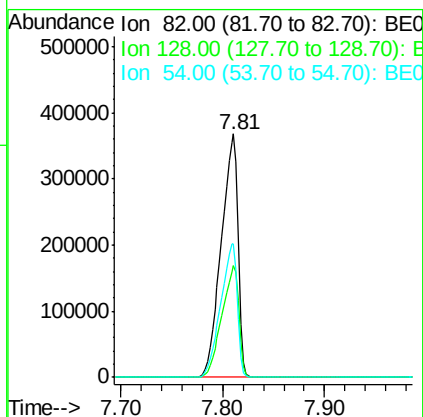
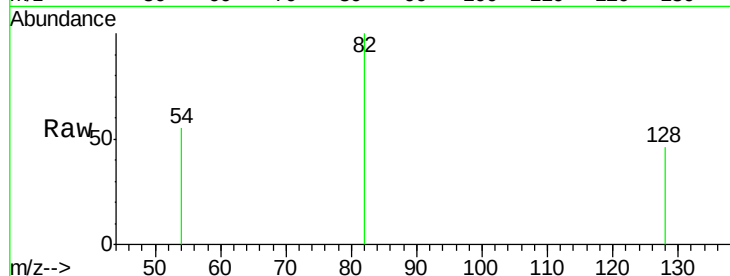
ClientSampleId :

YS19-SS39-1014

Tgt Ion	82	Resp	422994
Ion Ratio	Lower	Upper	
82	100		
128	45.8	36.2	54.2
54	55.1	41.8	62.8

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#7

Acenaphthene-d10

Concen: 5.00 ng

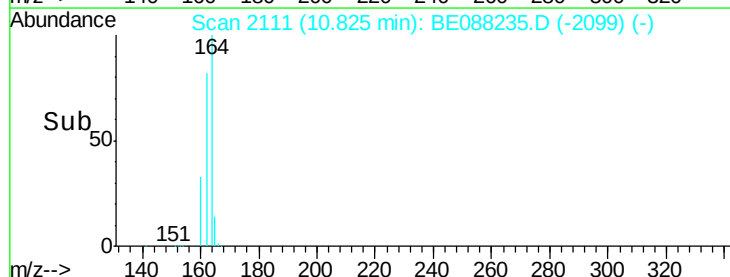
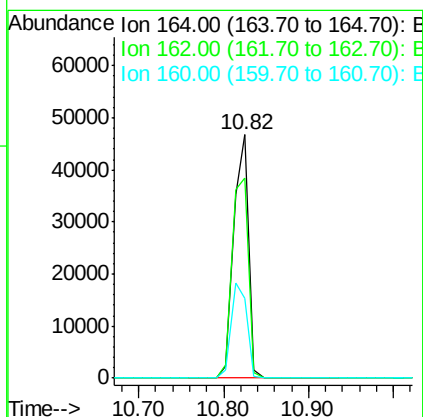
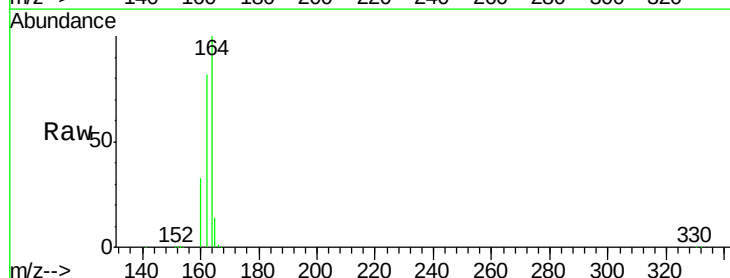
RT: 10.82 min Scan# 2111

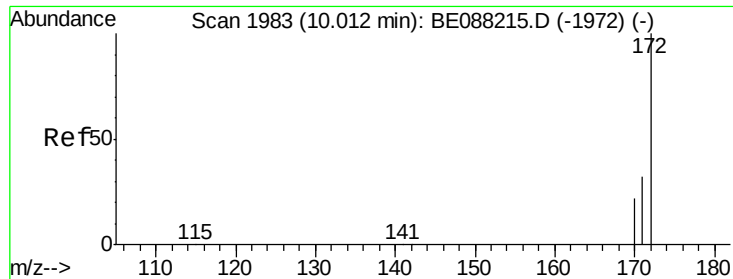
Delta R.T. 0.00 min

Lab File: BE088235.D

Acq: 25 Oct 2014 6:41

Tgt Ion	164	Resp	56763
Ion Ratio	Lower	Upper	
164	100		
162	82.4	67.4	101.0
160	32.7	27.7	41.5





#8

2-Fluorobiphenyl

Concen: 33.70 ng

RT: 10.02 min Scan# 1985

Delta R.T. 0.01 min

Lab File: BE088235.D

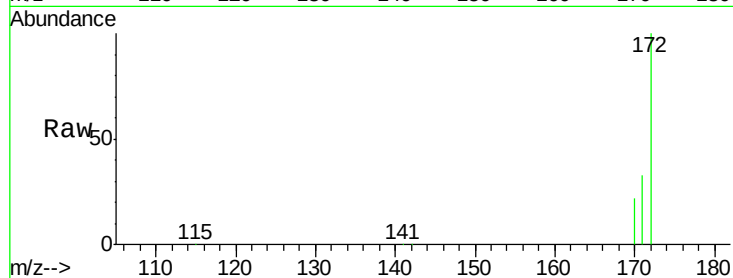
Acq: 25 Oct 2014 6:41

Instrument :

BNA_E

ClientSampleId :

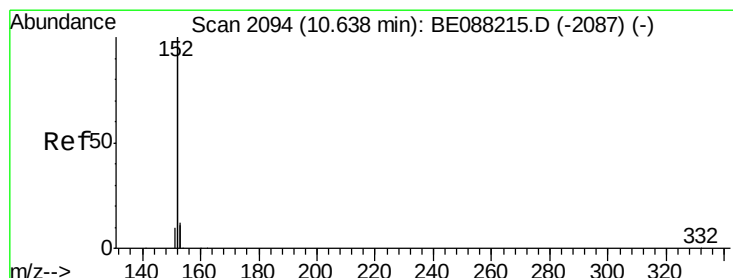
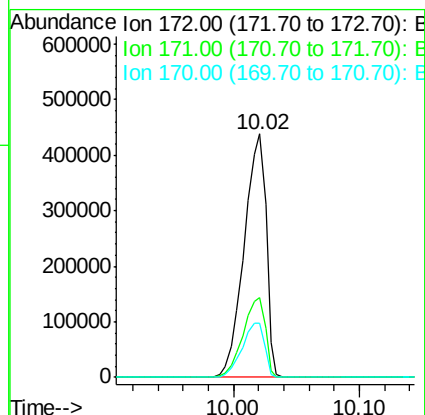
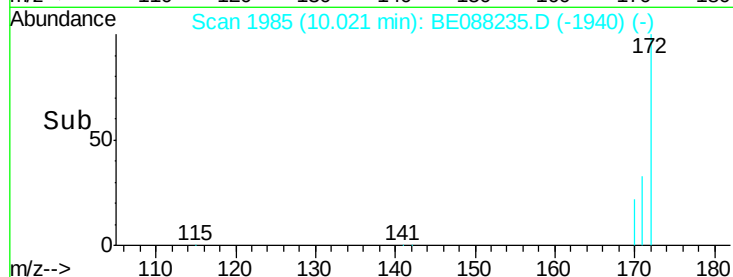
YS19-SS39-1014



Tgt Ion:	172	Resp:	533466
Ion Ratio	Lower	Upper	
172	100		
171	33.0	25.8	38.6
170	22.3	17.4	26.0

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#9

Acenaphthylene

Concen: 0.04 ng

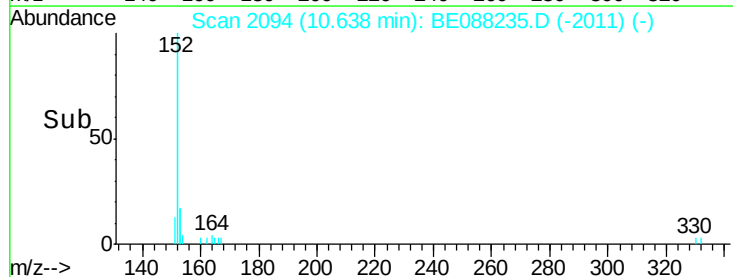
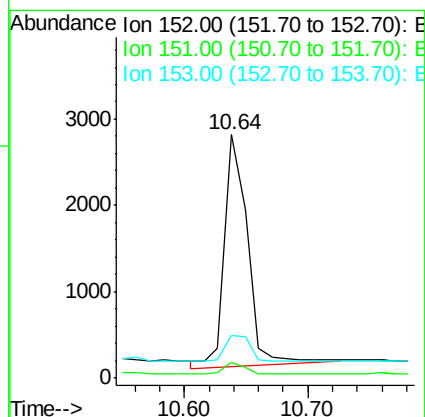
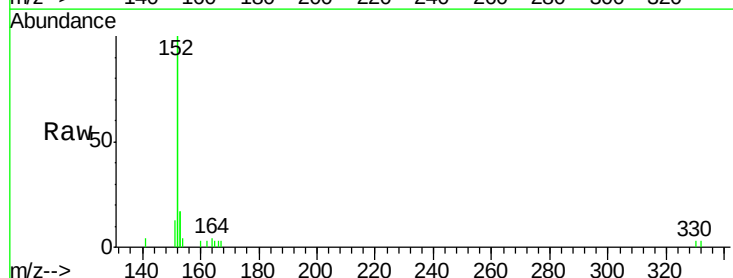
RT: 10.64 min Scan# 2094

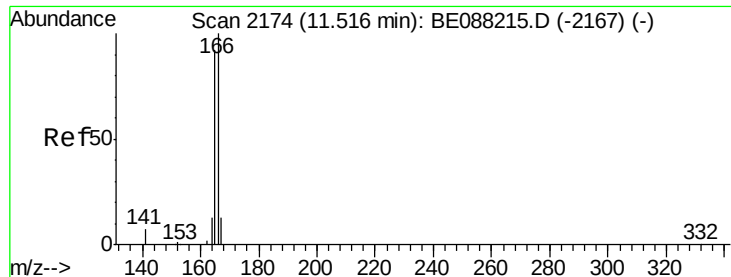
Delta R.T. 0.00 min

Lab File: BE088235.D

Acq: 25 Oct 2014 6:41

Tgt Ion:	152	Resp:	3483
Ion Ratio	Lower	Upper	
152	100		
151	4.2	3.7	5.5
153	11.7	10.3	15.5





#11

Fluorene

Concen: 0.03 ng

RT: 11.52 min Scan# 2174

Delta R.T. 0.00 min

Lab File: BE088235.D

Acq: 25 Oct 2014 6:41

Instrument :

BNA_E

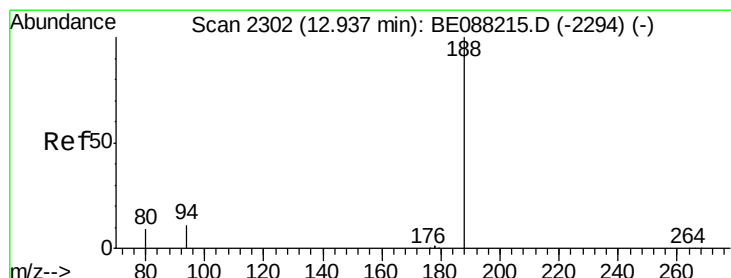
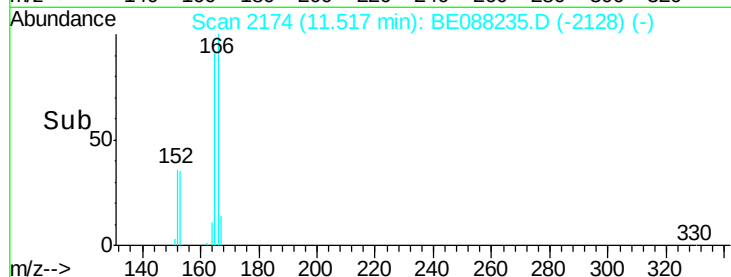
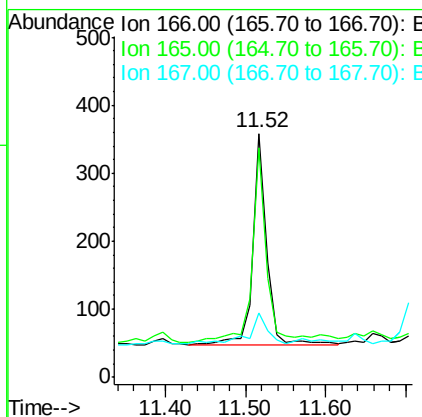
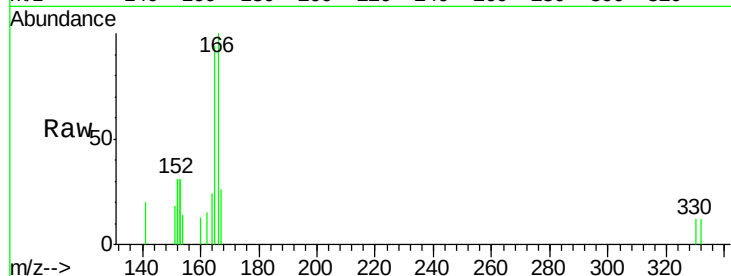
ClientSampleId :

YS19-SS39-1014

Tgt Ion:	166	Resp:	368
Ion Ratio	Lower	Upper	
166	100		
165	93.8	71.8	107.6
167	0.0	10.7	16.1#

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#12

Phenanthrene-d10

Concen: 5.00 ng

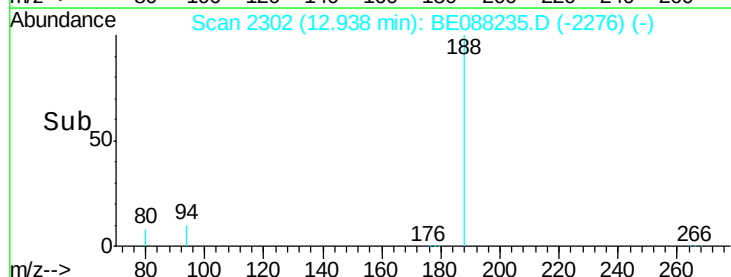
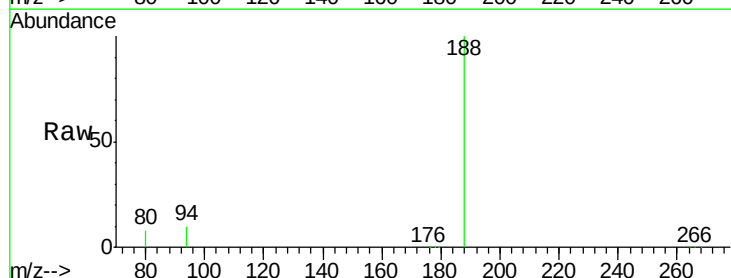
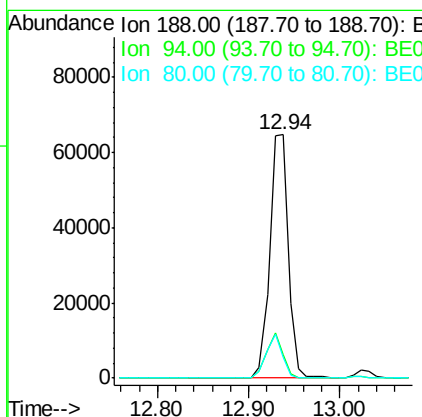
RT: 12.94 min Scan# 2302

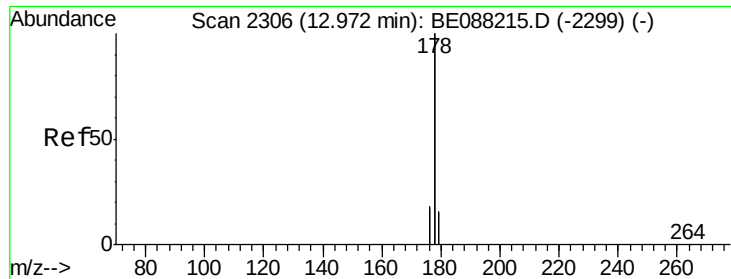
Delta R.T. 0.00 min

Lab File: BE088235.D

Acq: 25 Oct 2014 6:41

Tgt Ion:	188	Resp:	117037
Ion Ratio	Lower	Upper	
188	100		
94	9.7	8.5	12.7
80	8.4	7.4	11.0





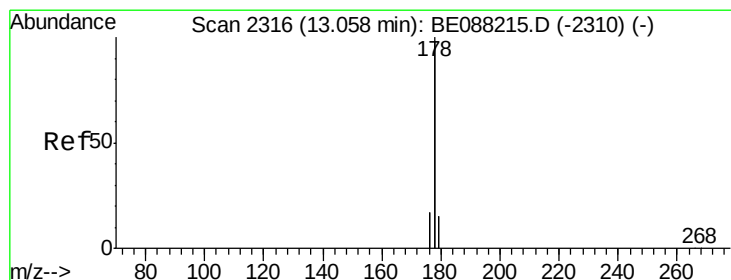
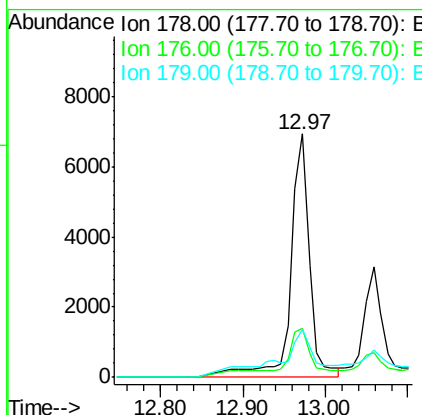
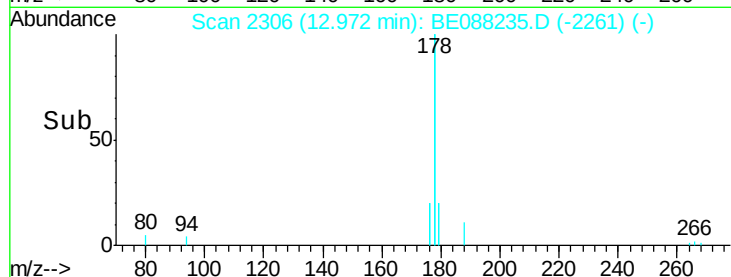
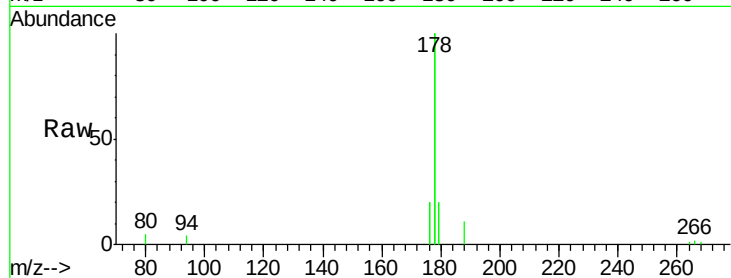
#13
Phenanthrene
Concen: 0.12 ng
RT: 12.97 min Scan# 2306
Delta R.T. 0.00 min
Lab File: BE088235.D
Acq: 25 Oct 2014 6:41

Instrument :
BNA_E
ClientSampleId :
YS19-SS39-1014

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.1	14.0	21.0
179	37.0	11.8	17.6

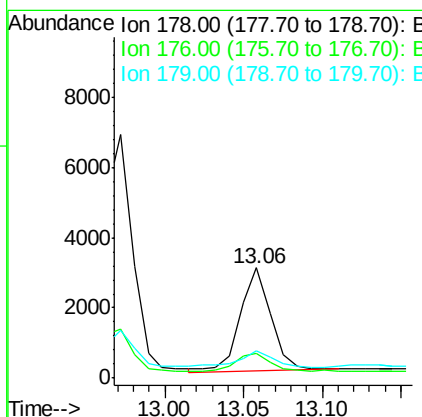
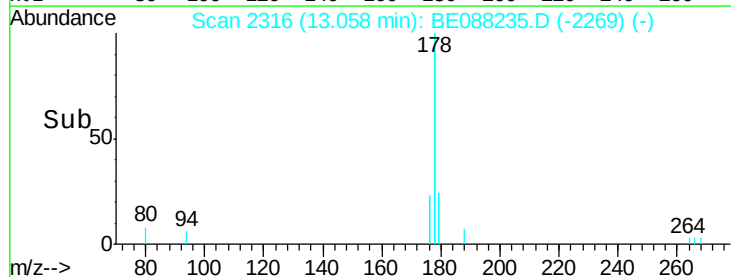
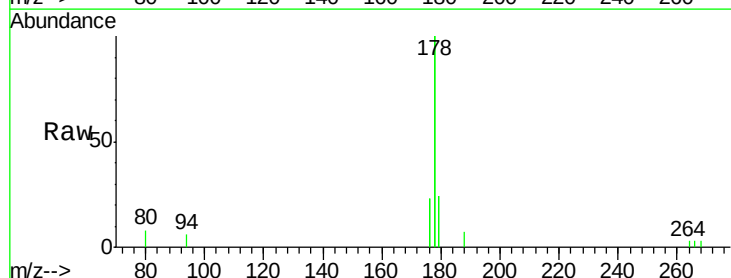
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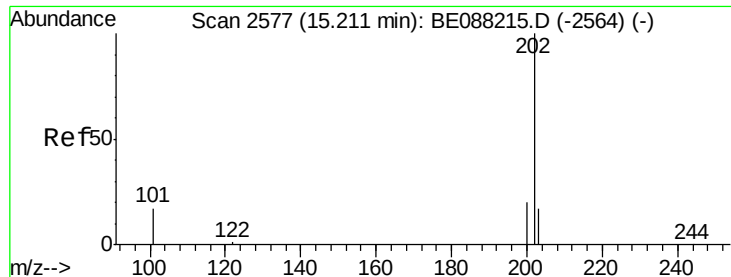
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#14
Anthracene
Concen: 0.05 ng
RT: 13.06 min Scan# 2316
Delta R.T. 0.00 min
Lab File: BE088235.D
Acq: 25 Oct 2014 6:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	24.8	14.7	22.1
179	25.7	12.3	18.5





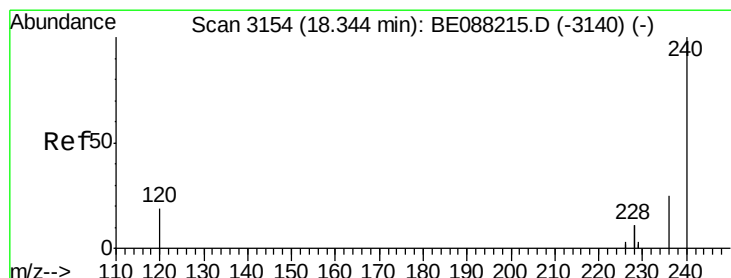
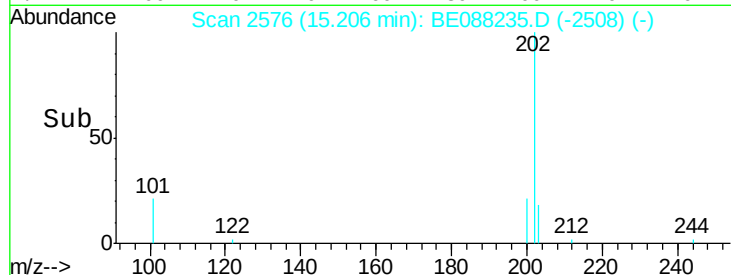
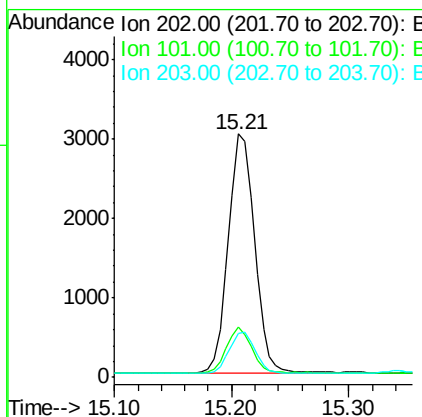
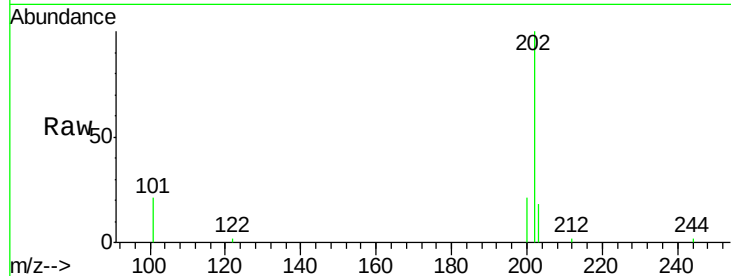
#15
 Fluoranthene
 Concen: 0.27 ng
 RT: 15.21 min Scan# 2576
 Delta R.T. -0.01 min
 Lab File: BE088235.D
 Acq: 25 Oct 2014 6:41

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS39-1014

Tgt Ion:	202	Resp:	4706
Ion Ratio	Lower	Upper	
202	100		
101	18.1	14.4	21.6
203	17.0	13.4	20.2

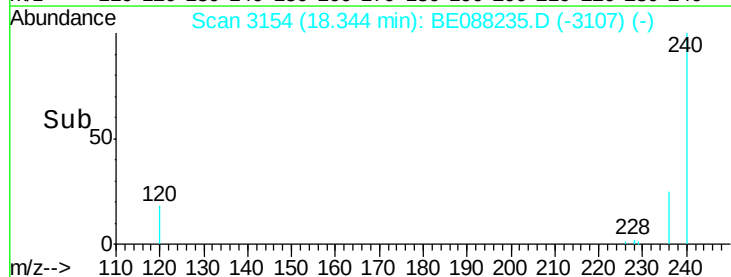
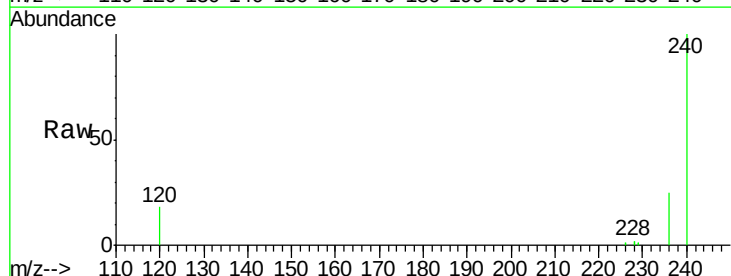
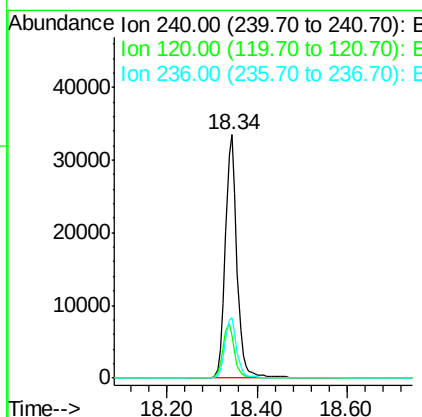
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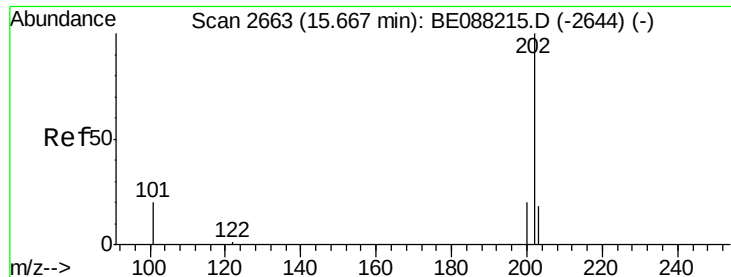
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#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.34 min Scan# 3154
 Delta R.T. -0.00 min
 Lab File: BE088235.D
 Acq: 25 Oct 2014 6:41

Tgt Ion:	240	Resp:	59724
Ion Ratio	Lower	Upper	
240	100		
120	17.7	15.1	22.7
236	25.1	20.1	30.1





#17

Pyrene

Concen: 0.28 ng

RT: 15.66 min Scan# 2662

Delta R.T. -0.01 min

Lab File: BE088235.D

Acq: 25 Oct 2014 6:41

Instrument :

BNA_E

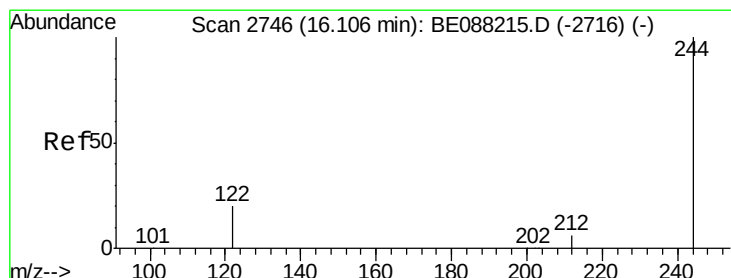
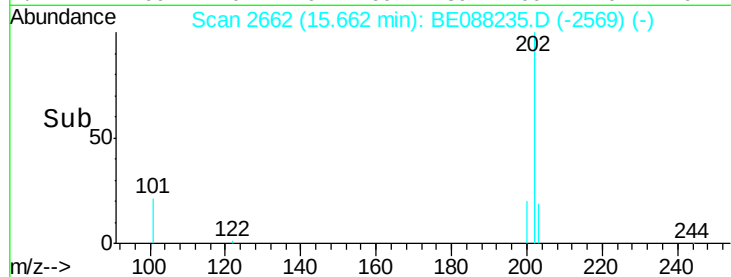
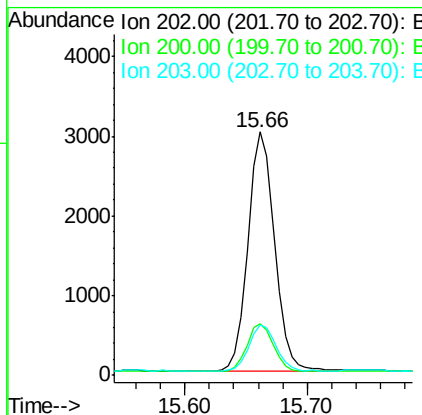
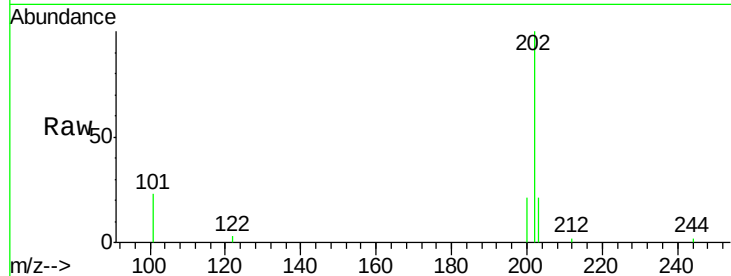
ClientSampleId :

YS19-SS39-1014

Tgt Ion:	202	Resp:	4604
Ion Ratio	Lower	Upper	
202	100		
200	20.2	16.2	24.2
203	19.7	13.8	20.8

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#18

Terphenyl-d14

Concen: 49.64 ng

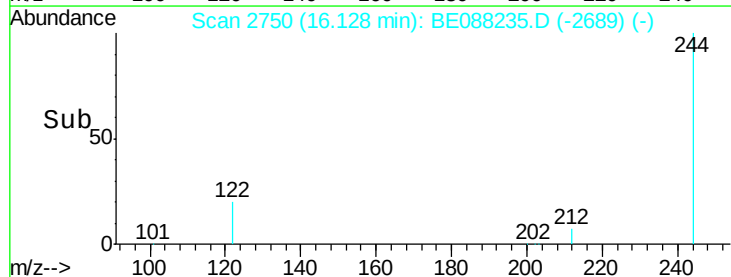
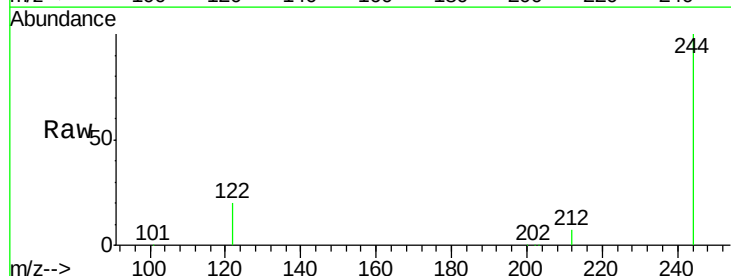
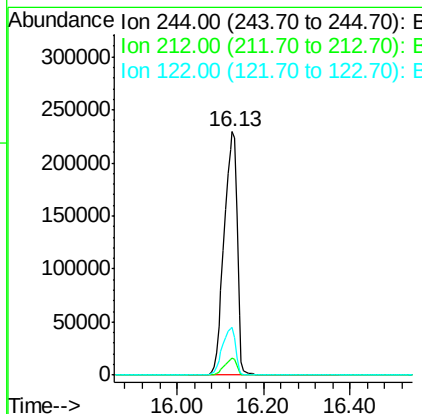
RT: 16.13 min Scan# 2750

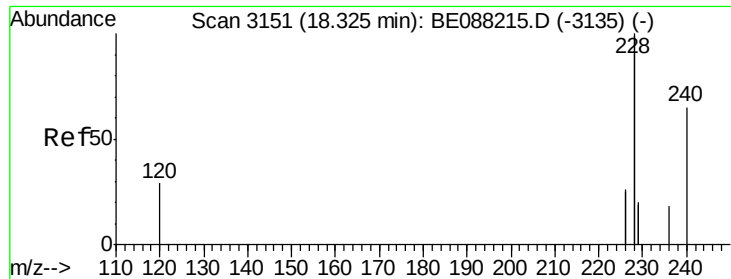
Delta R.T. 0.02 min

Lab File: BE088235.D

Acq: 25 Oct 2014 6:41

Tgt Ion:	244	Resp:	485512
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.2
122	19.7	16.7	25.1





#19

Benzo(a)anthracene

Concen: 0.21 ng

RT: 18.32 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BE088235.D

Acq: 25 Oct 2014 6:41

Instrument :

BNA_E

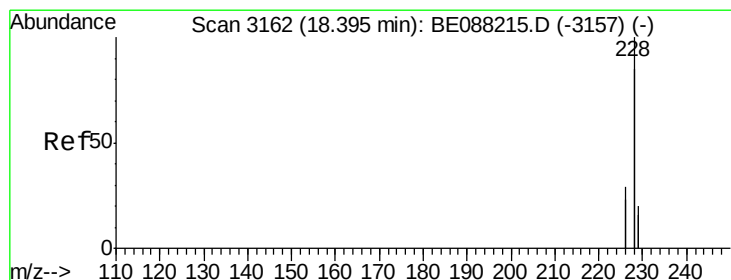
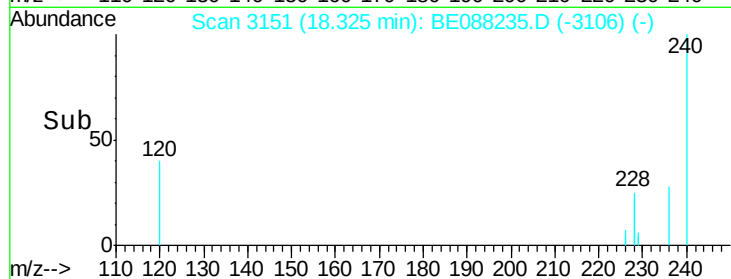
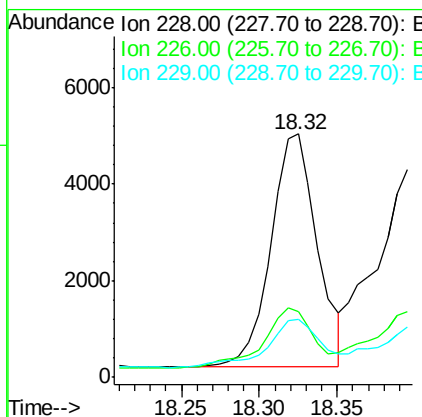
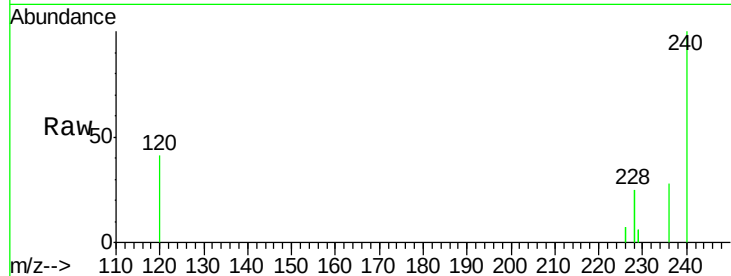
ClientSampleId :

YS19-SS39-1014

Tgt Ion:	228	Resp:	9991
Ion Ratio	Lower	Upper	
228	100		
226	27.2	20.5	30.7
229	23.9	16.1	24.1

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#20

Chrysene

Concen: 0.20 ng

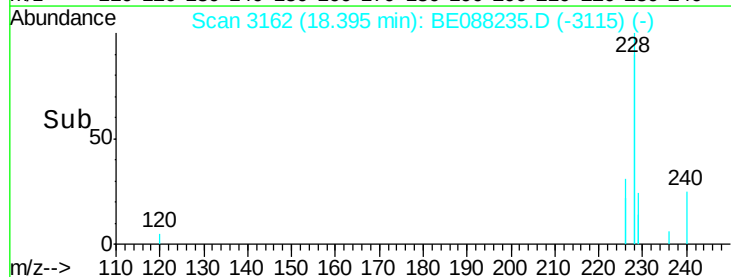
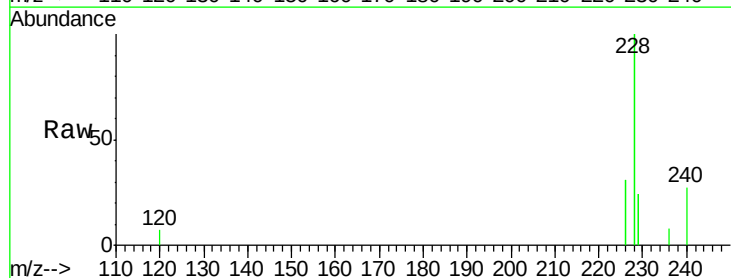
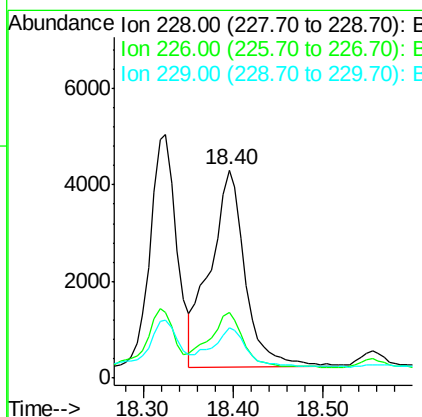
RT: 18.40 min Scan# 3162

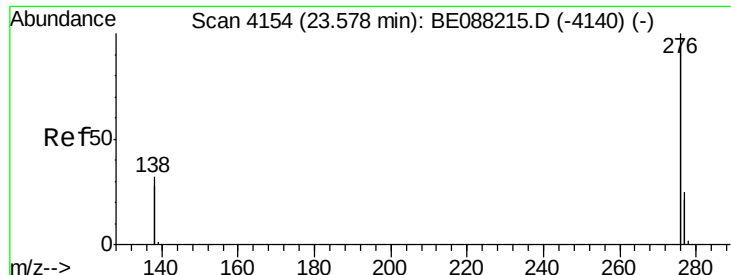
Delta R.T. -0.00 min

Lab File: BE088235.D

Acq: 25 Oct 2014 6:41

Tgt Ion:	228	Resp:	10912
Ion Ratio	Lower	Upper	
228	100		
226	31.3	23.3	34.9
229	23.9	15.6	23.4#





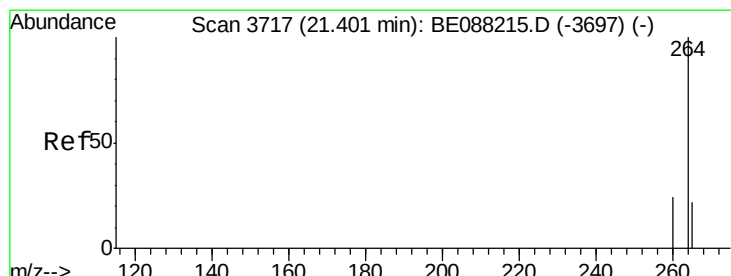
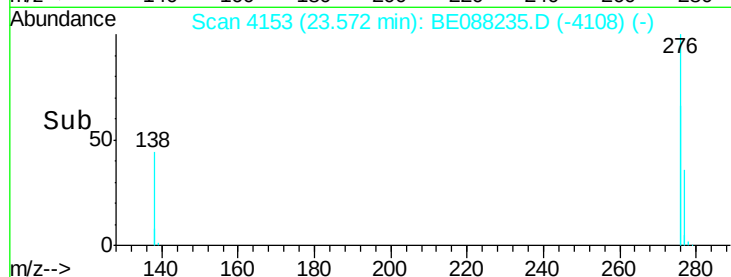
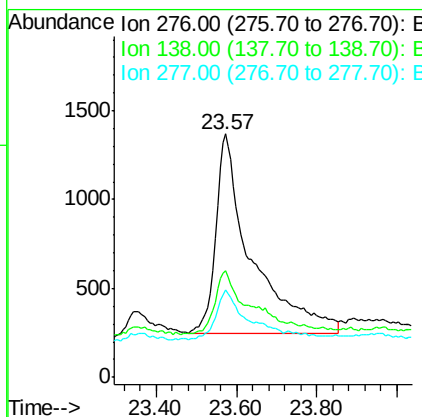
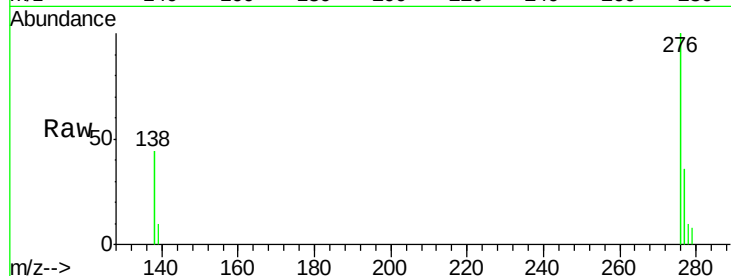
#21
Indeno(1,2,3-cd)pyrene
Concen: 0.36 ng
RT: 23.57 min Scan# 4153
Delta R.T. -0.01 min
Lab File: BE088235.D
Acq: 25 Oct 2014 6:41

Instrument :
BNA_E
ClientSampleId :
YS19-SS39-1014

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.3	13.9	20.9#
277	21.4	10.7	16.1#

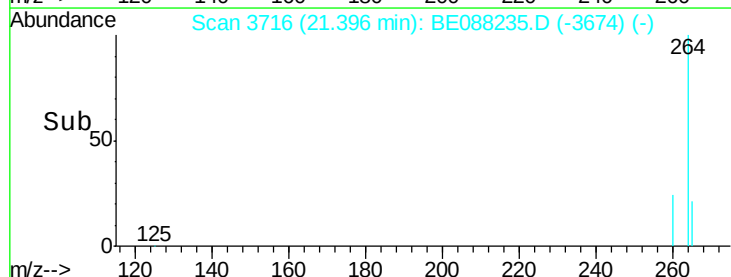
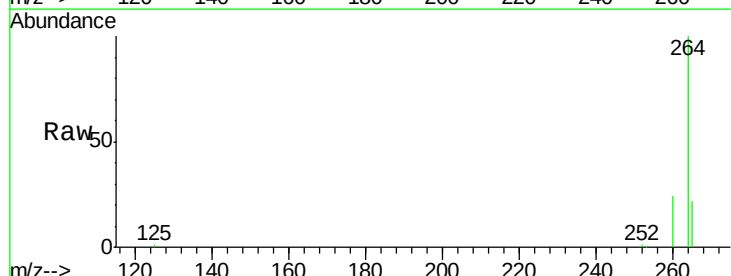
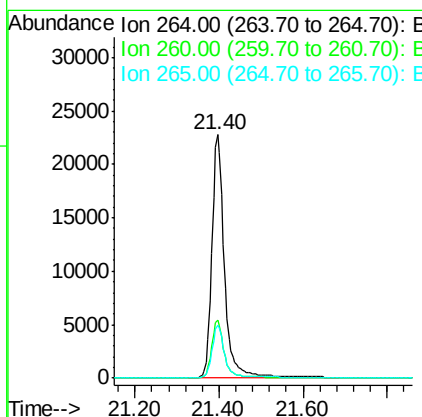
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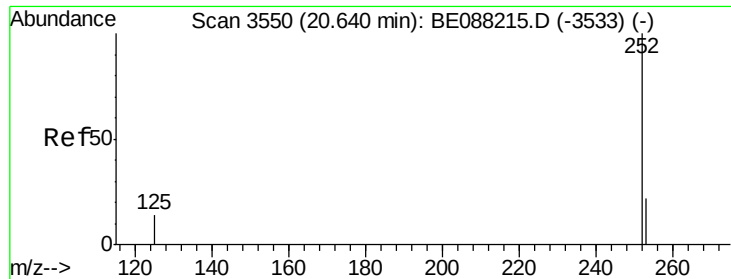
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#22
Perylene-d12
Concen: 5.00 ng
RT: 21.40 min Scan# 3716
Delta R.T. -0.00 min
Lab File: BE088235.D
Acq: 25 Oct 2014 6:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	21.5	17.4	26.2





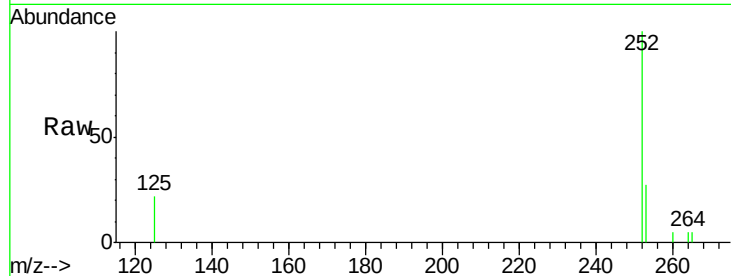
#23
Benzo(b)fluoranthene
Concen: 0.44 ng
RT: 20.64 min Scan# 3551
Delta R.T. 0.00 min
Lab File: BE088235.D
Acq: 25 Oct 2014 6:41

Instrument :
BNA_E
ClientSampleId :
YS19-SS39-1014

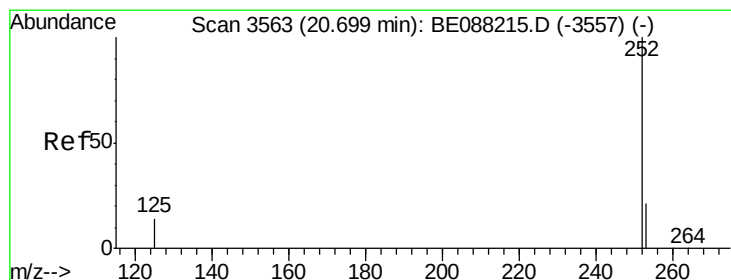
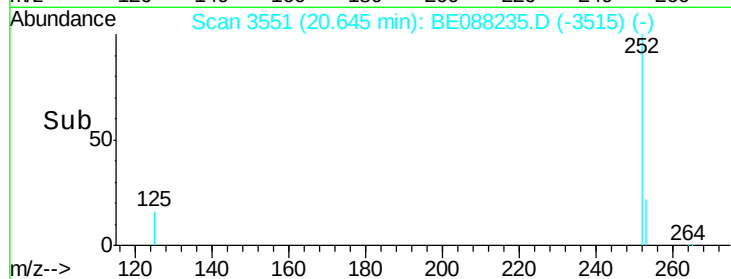
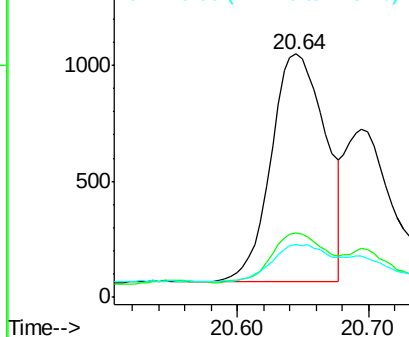
Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.9	26.9
125	21.5	12.2	18.2

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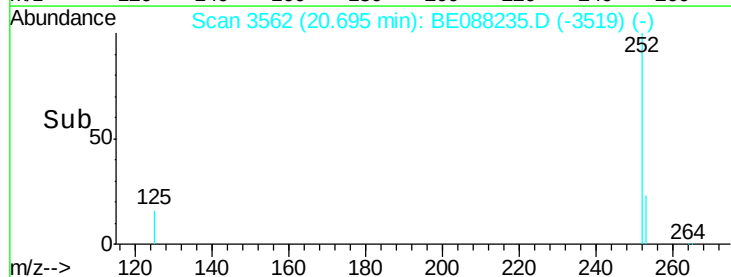
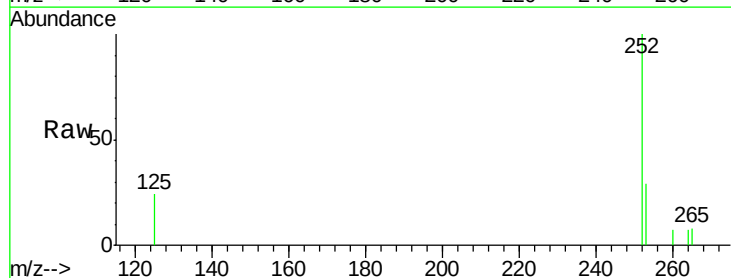
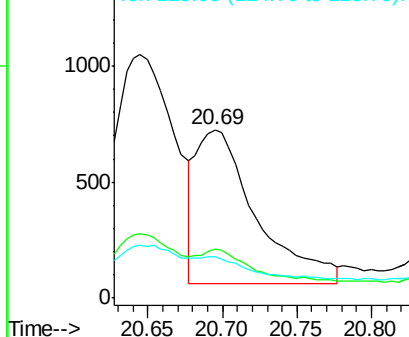
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

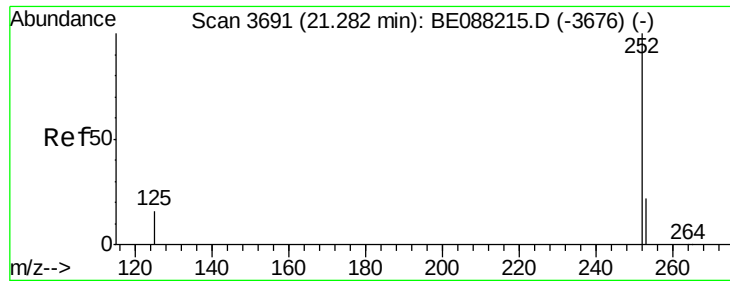


#24
Benzo(k)fluoranthene
Concen: 0.16 ng m
RT: 20.69 min Scan# 3562
Delta R.T. -0.00 min
Lab File: BE088235.D
Acq: 25 Oct 2014 6:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.0	17.6	26.4
125	24.5	12.1	18.1

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.34 ng

RT: 21.28 min Scan# 3690

Delta R.T. -0.00 min

Lab File: BE088235.D

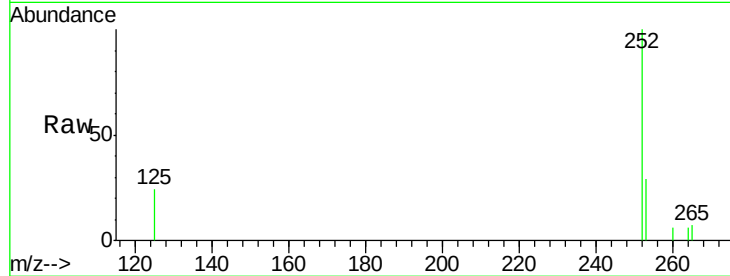
Acq: 25 Oct 2014 6:41

Instrument :

BNA_E

ClientSampleId :

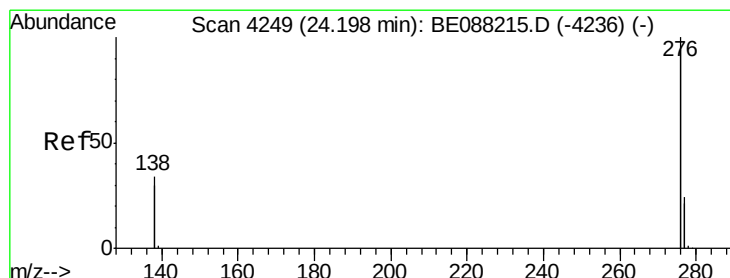
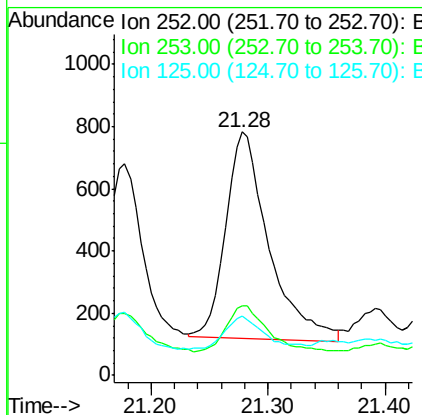
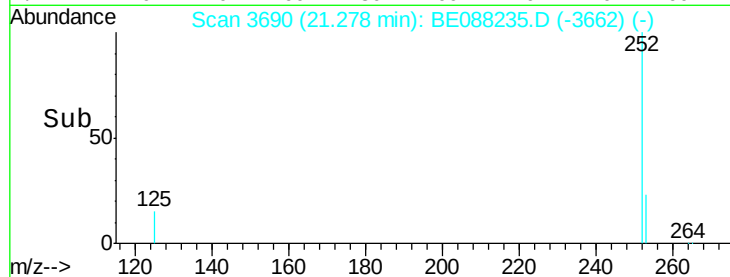
YS19-SS39-1014



Tgt Ion:	252	Resp:	1694
Ion Ratio	Lower	Upper	
252	100		
253	28.9	17.8	26.8#
125	24.4	13.5	20.3#

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#27

Benzo(g,h,i)perylene

Concen: 0.19 ng

RT: 24.20 min Scan# 4249

Delta R.T. 0.00 min

Lab File: BE088235.D

Acq: 25 Oct 2014 6:41

Tgt Ion:	276	Resp:	7257
Ion Ratio	Lower	Upper	
276	100		
277	33.1	19.4	29.2#
138	42.7	27.3	40.9#

