

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088442.D
 Acq On : 1 Nov 2014 3:03
 Operator : TP/JJ
 Sample : F4379-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS36-1014

Manual Integrations
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mohammad
 11/4/2014 9:06:44 AM

Quant Time: Nov 01 05:23:13 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE103114.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 01 00:42:07 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	49144	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	175997	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	72229	5.00	ng	0.00
12) Phenanthrene-d10	12.90	188	125909	5.00	ng	0.00
16) Chrysene-d12	18.31	240	71212	5.00	ng	0.00
22) Perylene-d12	21.38	264	66973	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.79	82	647080	50.13	ng	0.02
8) 2-Fluorobiphenyl	9.99	172	686953	33.74	ng	0.00
18) Terphenyl-d14	16.10	244	392161	29.98	ng	0.02
Target Compounds						Qvalue
9) Acenaphthylene	10.62	152	19332	0.17	ng	99
11) Fluorene	11.50	166	593	0.03	ng	# 88
13) Phenanthrene	12.94	178	22647m	0.20	ng	
14) Anthracene	13.02	178	26322	0.28	ng	# 96
15) Fluoranthene	15.18	202	32169	1.73	ng	100
17) Pyrene	15.63	202	38799	1.67	ng	98
19) Benzo(a)anthracene	18.29	228	112010	1.67	ng	98
20) Chrysene	18.36	228	169956	2.58	ng	99
21) Indeno(1,2,3-cd)pyrene	23.55	276	184610	3.01	ng	# 90
23) Benzo(b)fluoranthene	20.62	252	91229	6.21	ng	99
24) Benzo(k)fluoranthene	20.67	252	29791	1.84	ng	99
25) Benzo(a)pyrene	21.26	252	45693	3.24	ng	98
26) Dibenzo(a,h)anthracene	23.64	278	8666	0.66	ng	96
27) Benzo(g,h,i)perylene	24.18	276	200094	3.33	ng	97

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

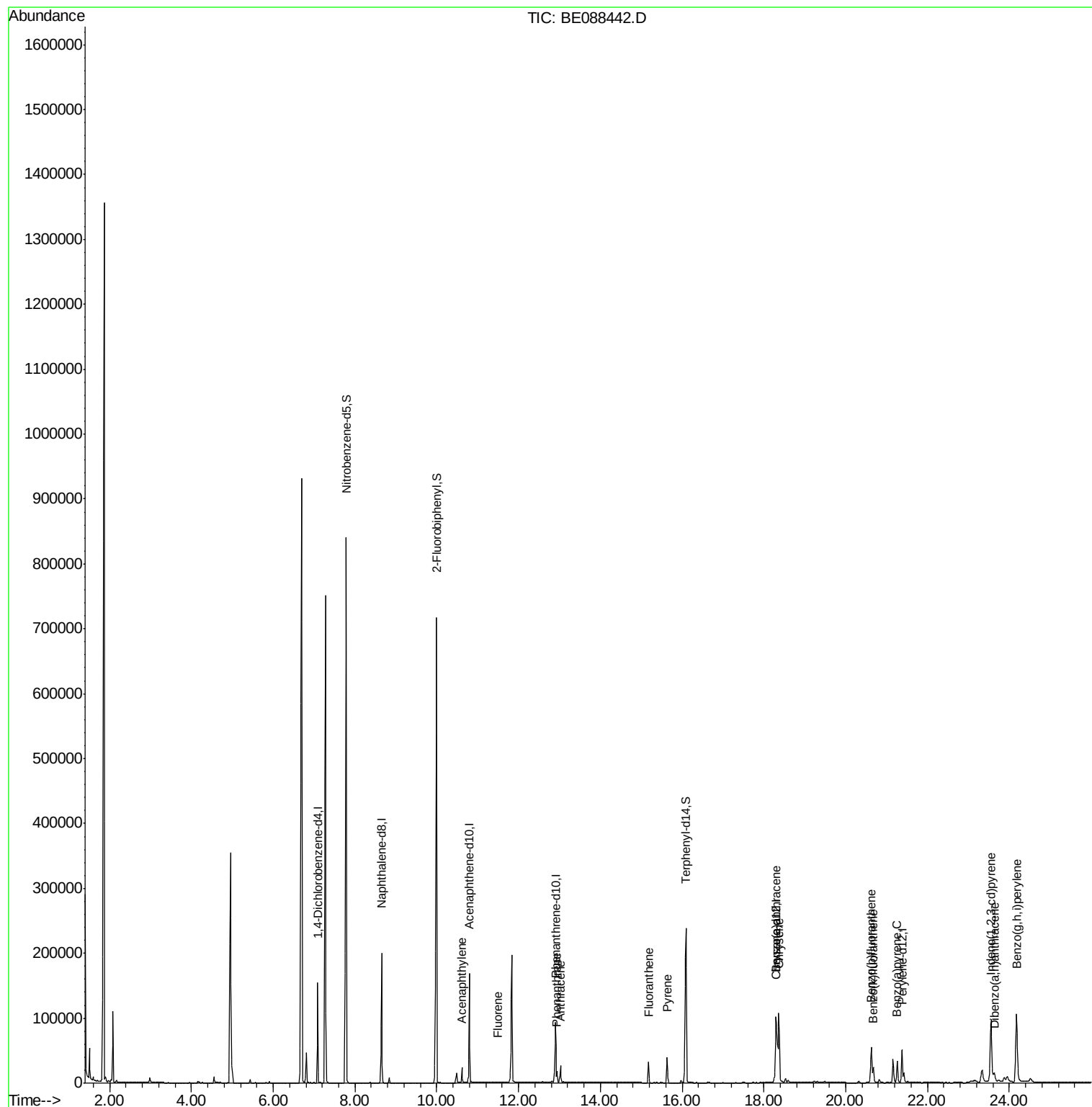
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088442.D
Acq On : 1 Nov 2014 3:03
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Misc :
ALS Vial : 20 Sample Multiplier: 1

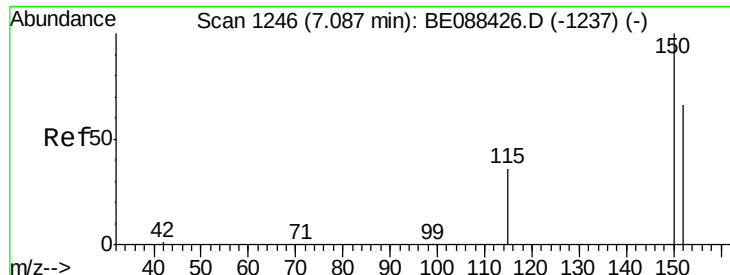
Instrument :
BNA_E
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YS19-SS36-1014

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 01 00:42:07 2014
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.09 min Scan# 1246

Delta R.T. -0.00 min

Lab File: BE088442.D

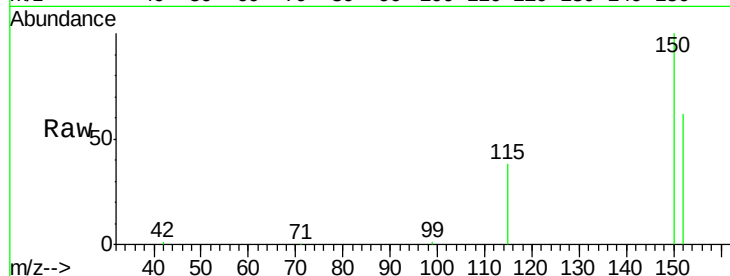
Acq: 1 Nov 2014 3:03

Instrument :

BNA_E

ClientSampleId :

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Tgt Ion:152 Resp: 49144

Ion Ratio Lower Upper

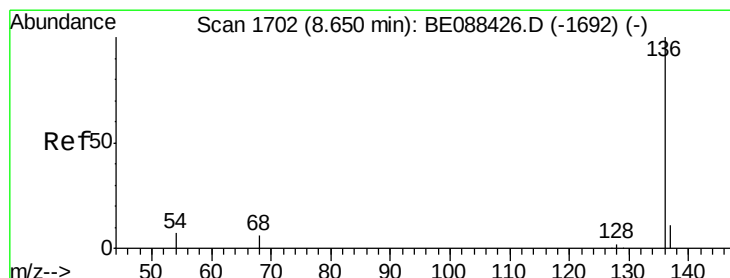
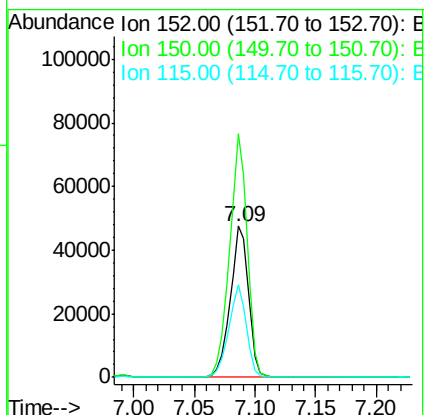
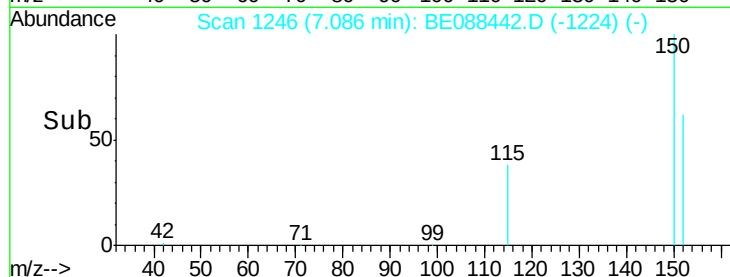
152 100

150 160.9 121.8 182.8

115 61.3 43.9 65.9

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#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.65 min Scan# 1702

Delta R.T. -0.00 min

Lab File: BE088442.D

Acq: 1 Nov 2014 3:03

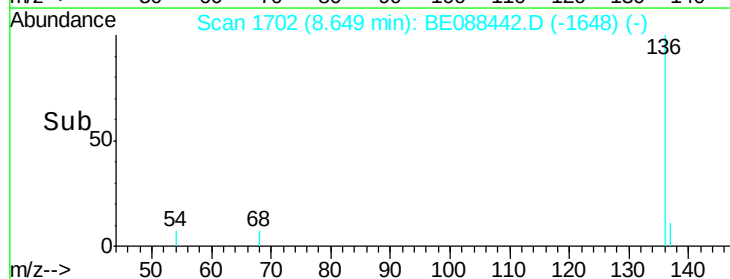
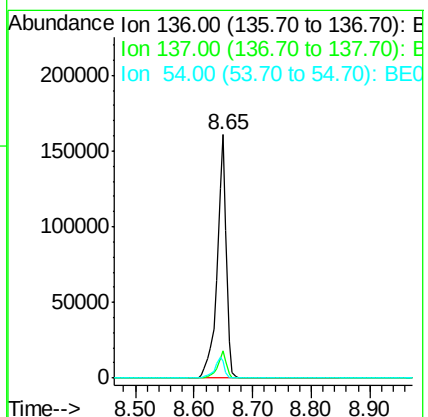
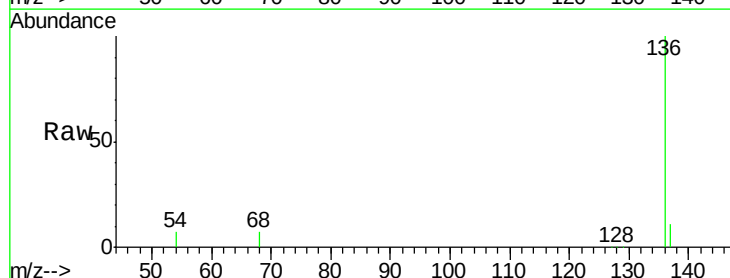
Tgt Ion:136 Resp: 175997

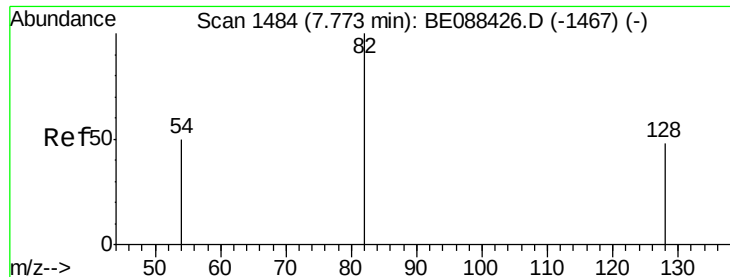
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 7.0 5.3 7.9





#4

Nitrobenzene-d5

Concen: 50.13 ng

RT: 7.79 min Scan# 1491

Delta R.T. 0.02 min

Lab File: BE088442.D

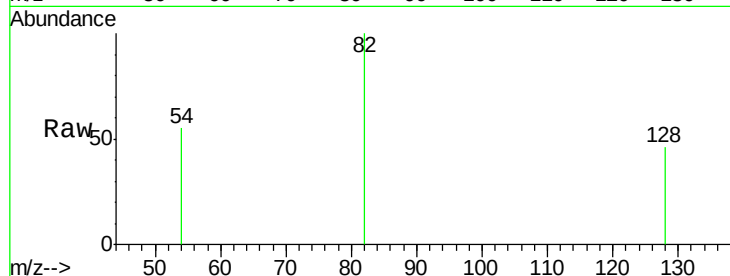
Acq: 1 Nov 2014 3:03

Instrument :

BNA_E

ClientSampleId :

YS19-SS36-1014



Tgt Ion: 82 Resp: 647080

Ion Ratio Lower Upper

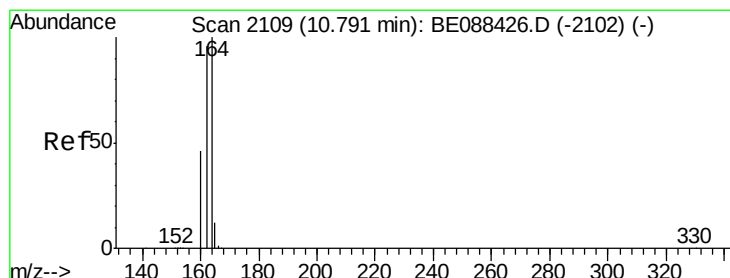
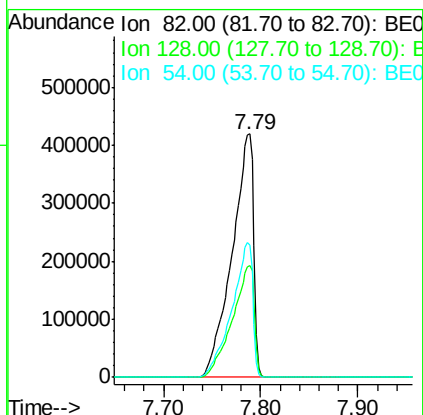
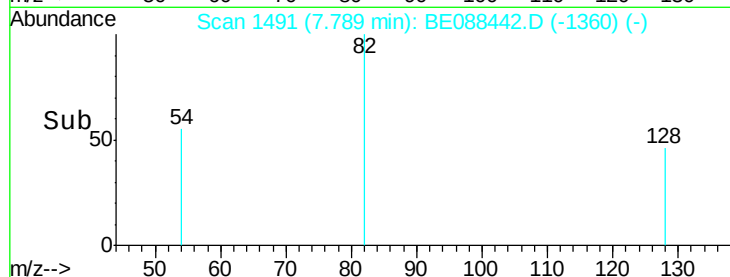
82 100

128 46.0 38.4 57.6

54 54.5 40.2 60.2

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#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.79 min Scan# 2109

Delta R.T. 0.00 min

Lab File: BE088442.D

Acq: 1 Nov 2014 3:03

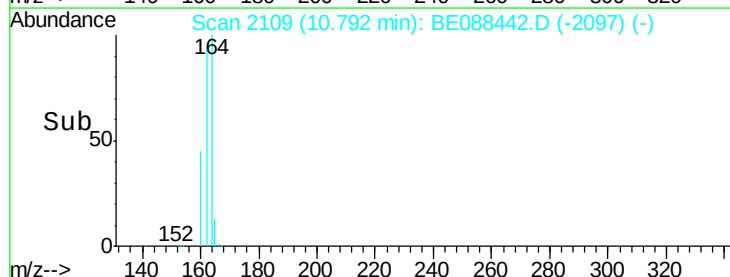
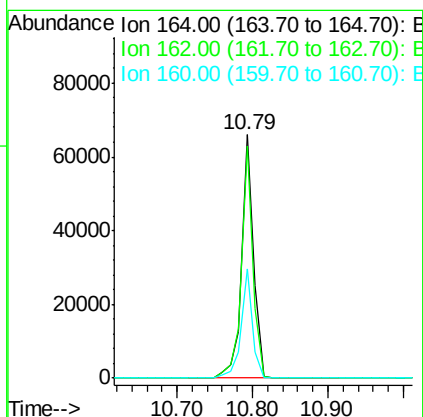
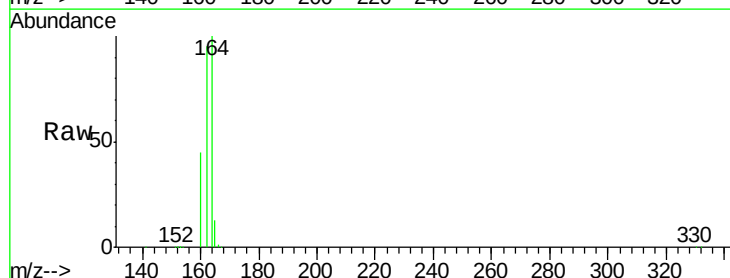
Tgt Ion: 164 Resp: 72229

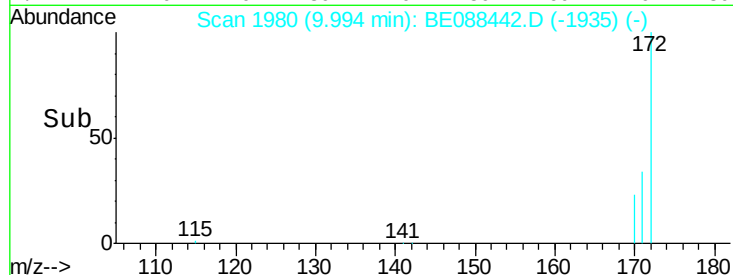
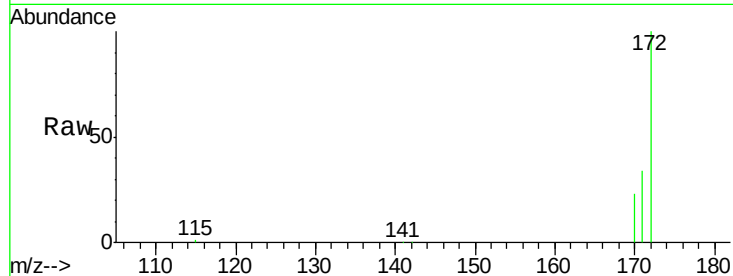
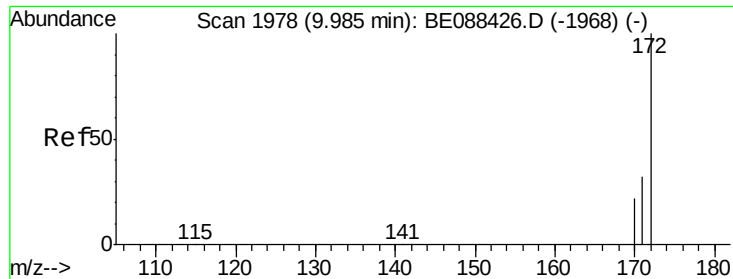
Ion Ratio Lower Upper

164 100

162 95.1 77.0 115.4

160 44.9 36.8 55.2





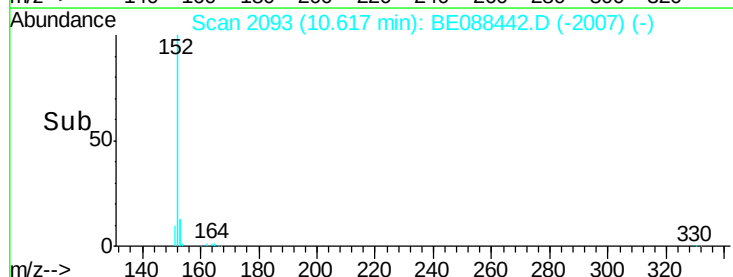
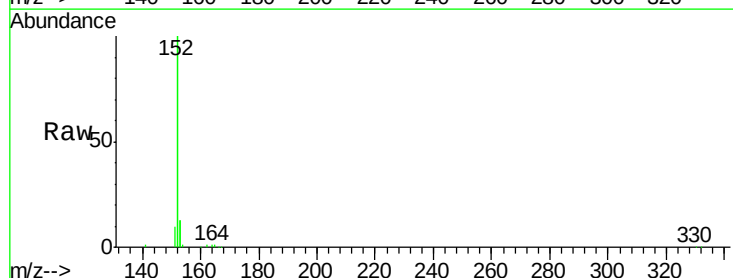
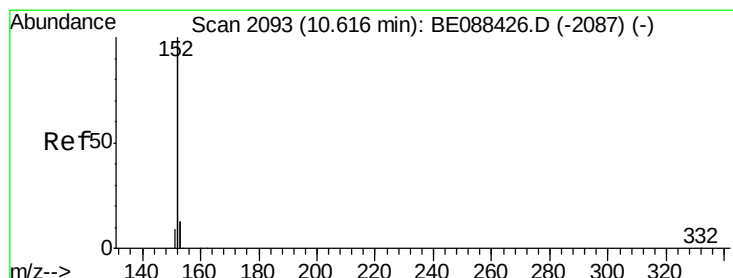
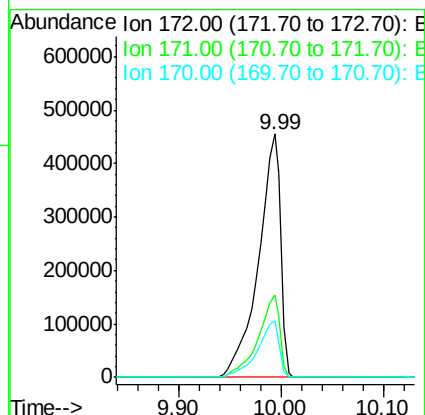
#8
2-Fluorobiphenyl
Concen: 33.74 ng
RT: 9.99 min Scan# 1980
Delta R.T. 0.01 min
Lab File: BE088442.D
Acq: 1 Nov 2014 3:03

Tgt Ion:	172	Resp:	686953
Ion Ratio	Lower	Upper	
172	100		
171	33.8	26.0	39.0
170	23.2	17.6	26.4

Instrument :
BNA_E
ClientSampleId :
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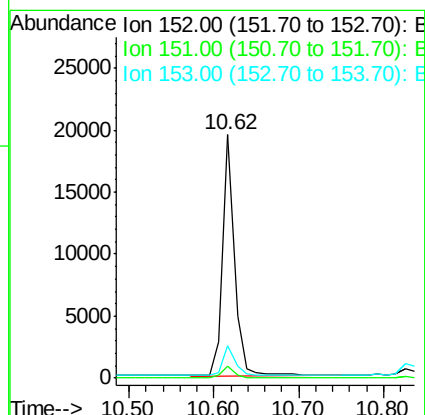
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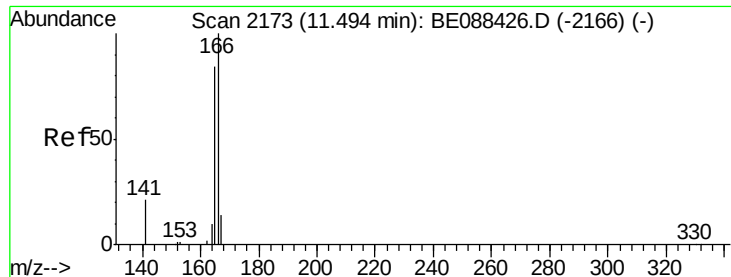
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#9
Acenaphthylene
Concen: 0.17 ng
RT: 10.62 min Scan# 2093
Delta R.T. 0.00 min
Lab File: BE088442.D
Acq: 1 Nov 2014 3:03

Tgt Ion:	152	Resp:	19332
Ion Ratio	Lower	Upper	
152	100		
151	4.5	4.4	6.6
153	13.4	10.5	15.7





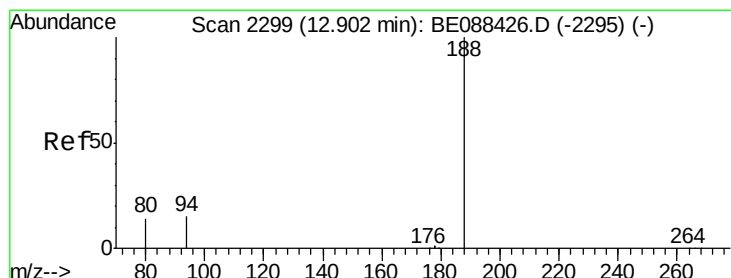
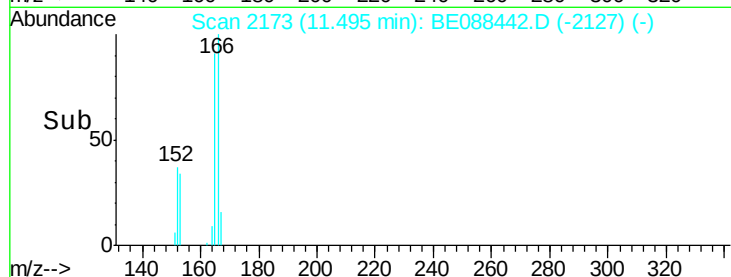
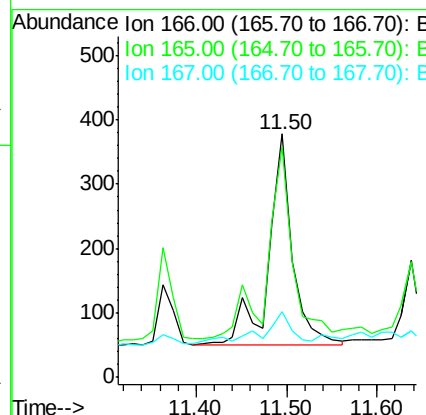
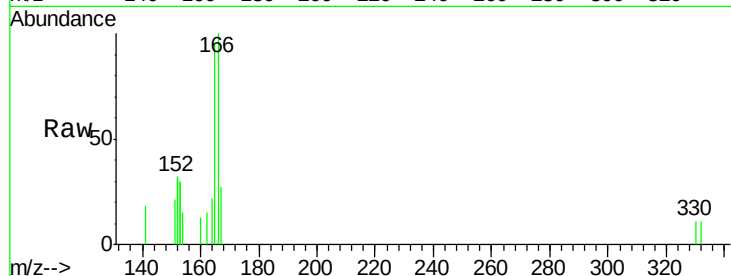
#11
 Fluorene
 Concen: 0.03 ng
 RT: 11.50 min Scan# 2173
 Delta R.T. 0.00 min
 Lab File: BE088442.D
 Acq: 1 Nov 2014 3:03

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS36-1014

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.7	71.3	106.9
167	19.7	10.7	16.1

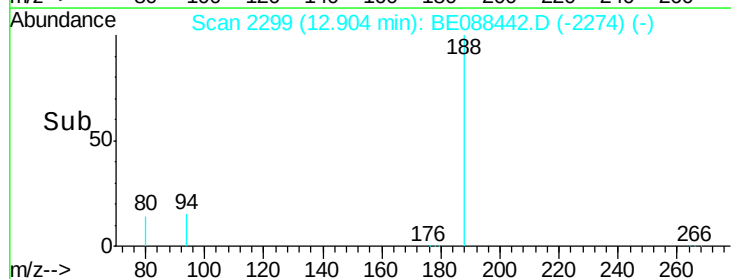
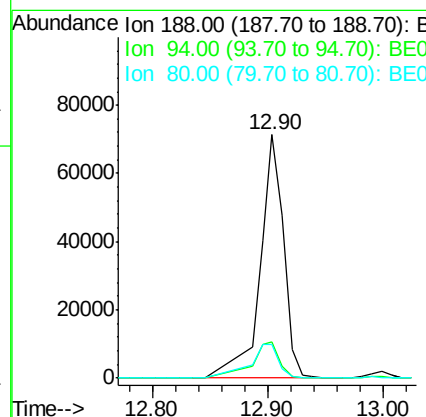
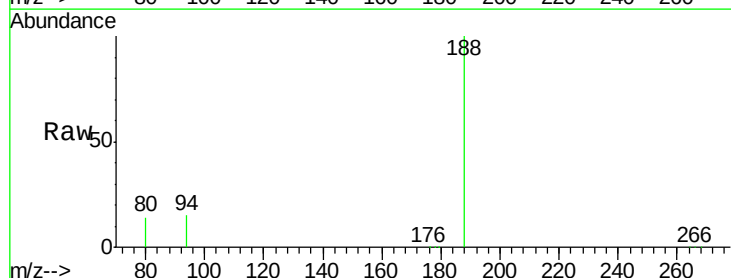
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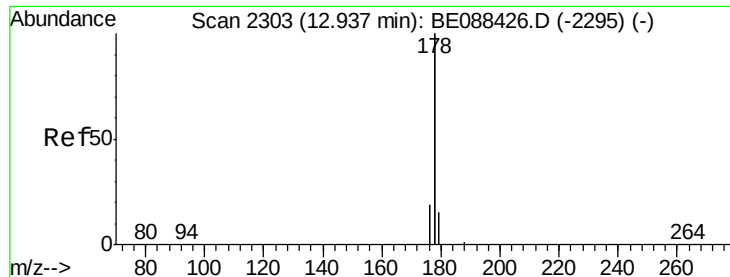
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#12
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.90 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: BE088442.D
 Acq: 1 Nov 2014 3:03

Tgt Ion	Ratio	Lower	Upper
188	100		
94	14.8	11.8	17.8
80	13.8	10.9	16.3





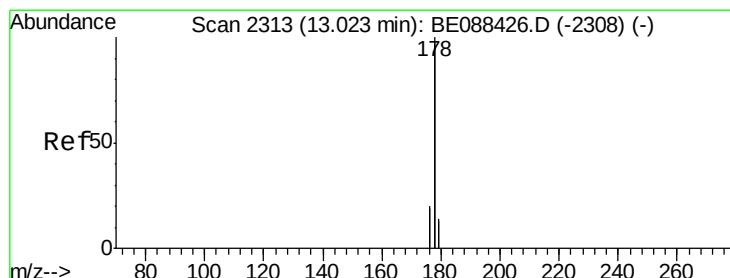
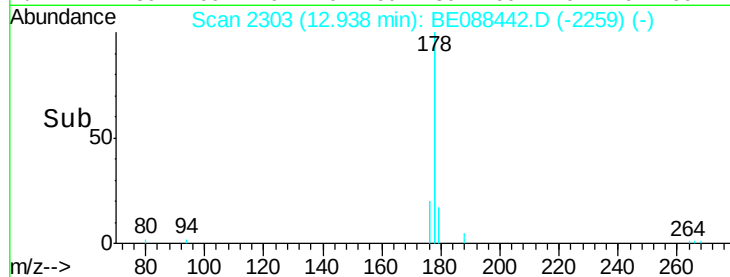
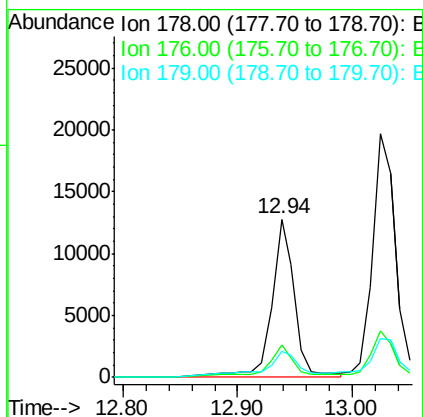
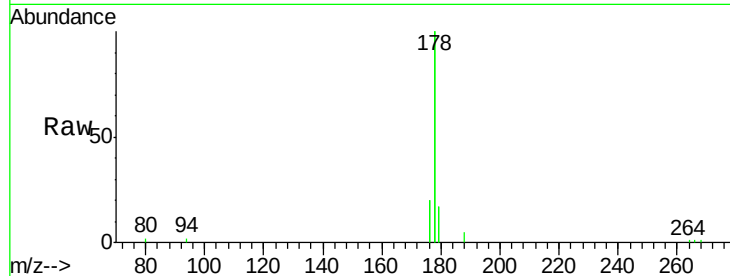
#13
Phenanthrene
Concen: 0.20 ng m
RT: 12.94 min Scan# 2303
Delta R.T. 0.00 min
Lab File: BE088442.D
Acq: 1 Nov 2014 3:03

Instrument :
BNA_E
ClientSampleId :
YS19-SS36-1014

Tgt Ion	Ratio	Lower	Upper
178	100		
176	22.7	15.4	23.2
179	21.8	12.8	19.2

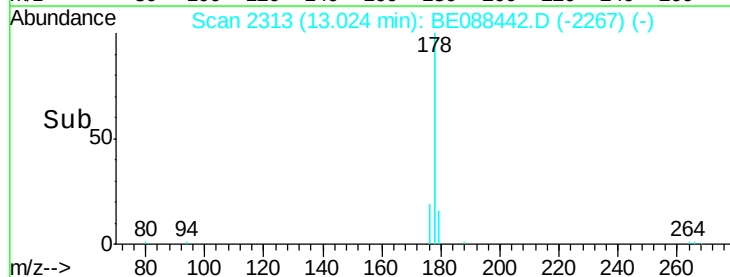
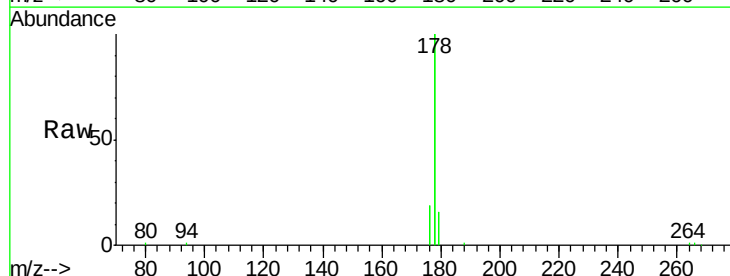
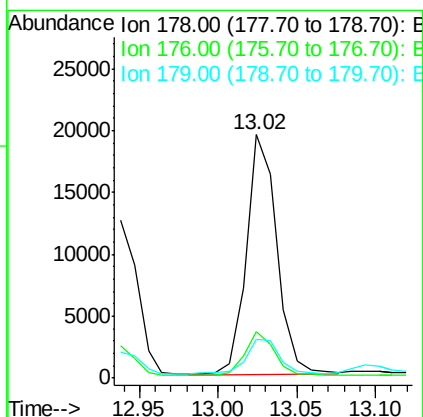
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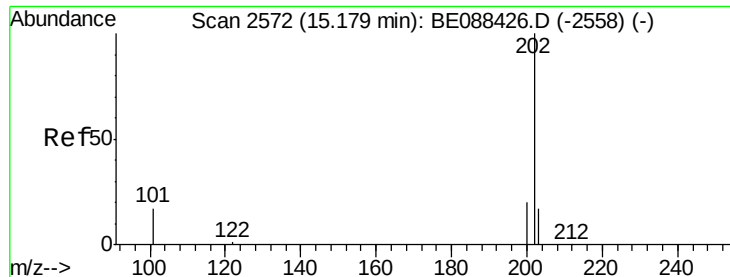
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#14
Anthracene
Concen: 0.28 ng
RT: 13.02 min Scan# 2313
Delta R.T. 0.00 min
Lab File: BE088442.D
Acq: 1 Nov 2014 3:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.0	22.4
179	18.8	12.5	18.7





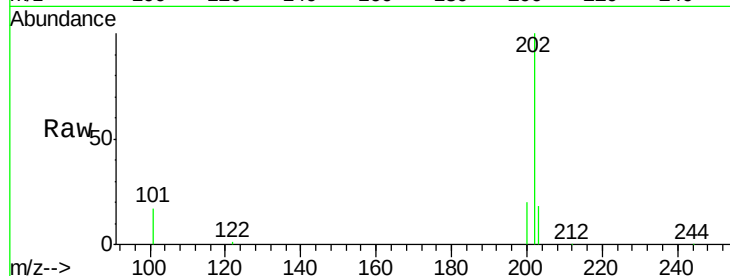
#15
Fluoranthene
 Concen: 1.73 ng
 RT: 15.18 min Scan# 2572
 Delta R.T. -0.00 min
 Lab File: BE088442.D
 Acq: 1 Nov 2014 3:03

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS36-1014

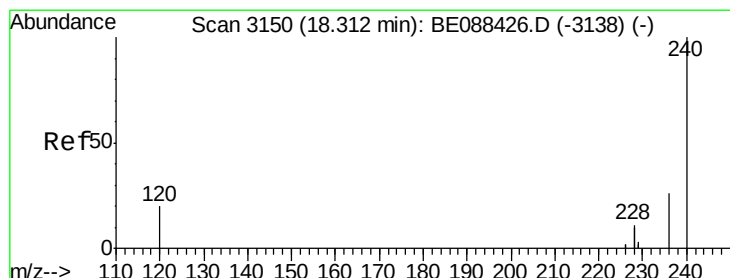
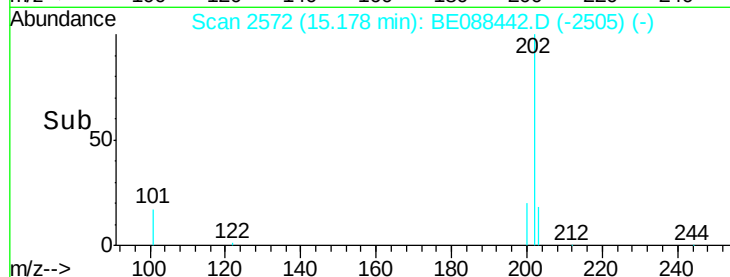
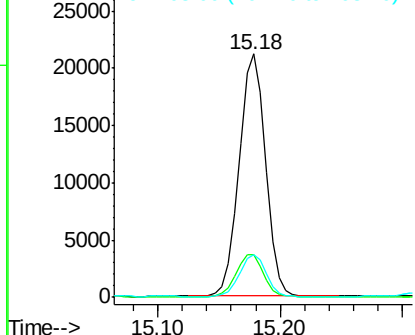
Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	17.8	14.3	21.5
203	17.3	13.6	20.4

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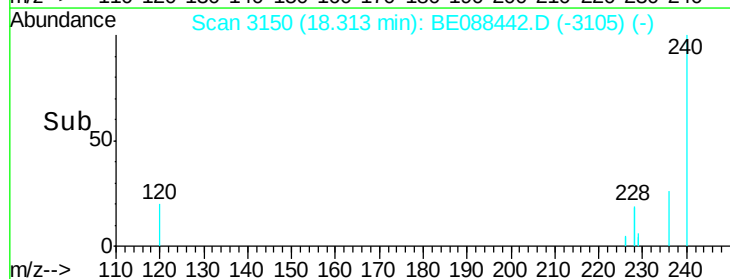
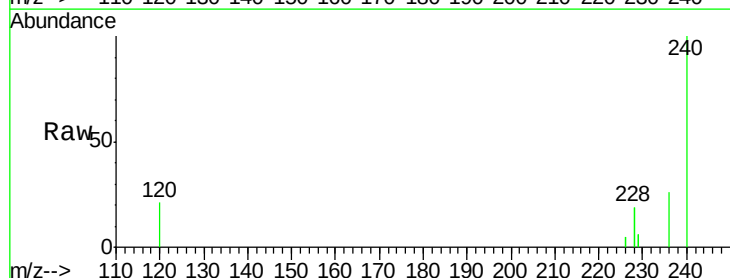
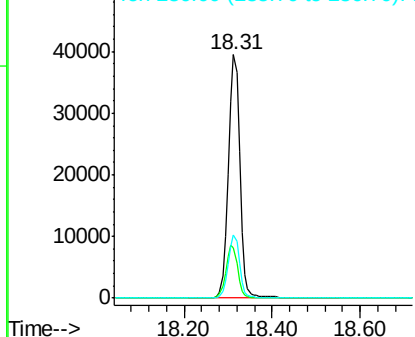
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

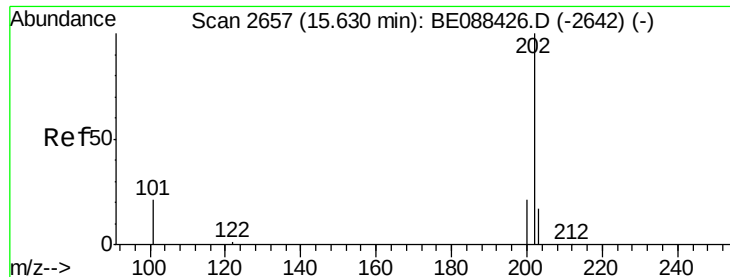


#16
Chrysene-d12
 Concen: 5.00 ng
 RT: 18.31 min Scan# 3150
 Delta R.T. 0.00 min
 Lab File: BE088442.D
 Acq: 1 Nov 2014 3:03

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	20.6	16.4	24.6
236	25.8	20.5	30.7

Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





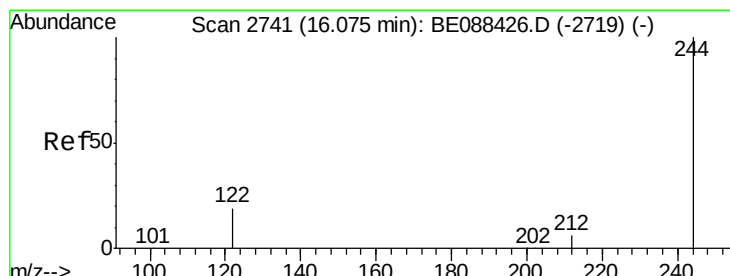
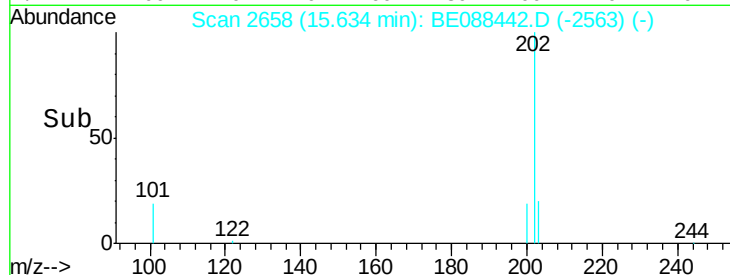
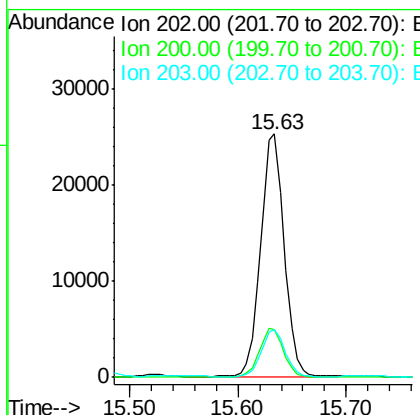
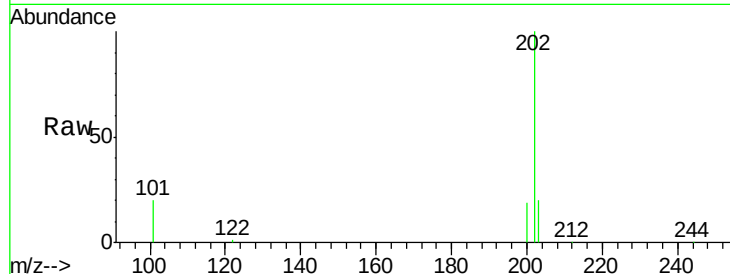
#17
 Pyrene
 Concen: 1.67 ng
 RT: 15.63 min Scan# 2658
 Delta R.T. 0.00 min
 Lab File: BE088442.D
 Acq: 1 Nov 2014 3:03

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS36-1014

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	38799		
200	20.1	16.1	24.1	
203	19.3	13.8	20.8	

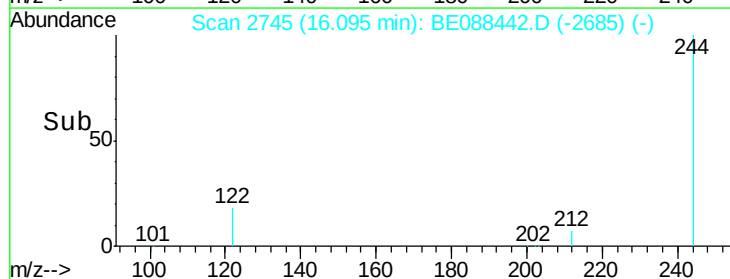
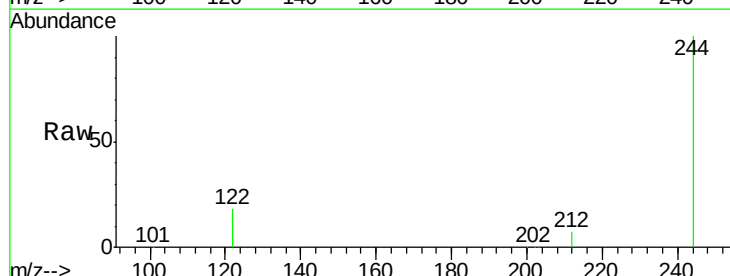
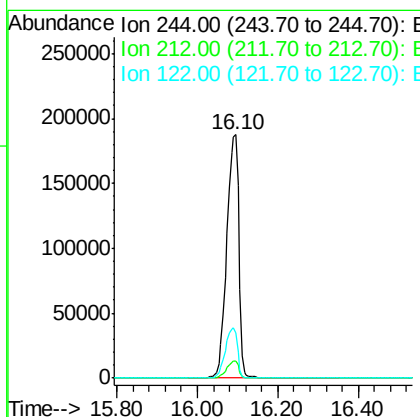
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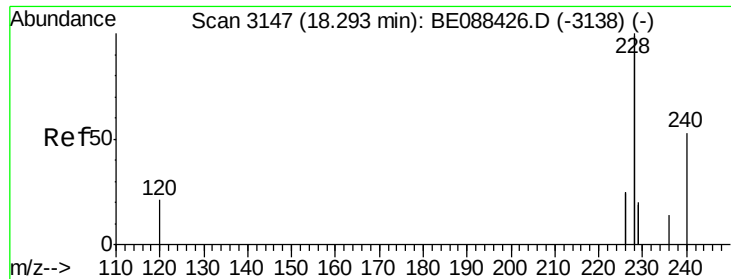
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#18
 Terphenyl-d14
 Concen: 29.98 ng
 RT: 16.10 min Scan# 2745
 Delta R.T. 0.02 min
 Lab File: BE088442.D
 Acq: 1 Nov 2014 3:03

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	392161		
212	7.0	5.5	8.3	
122	18.4	15.6	23.4	





#19

Benzo(a)anthracene

Concen: 1.67 ng

RT: 18.29 min Scan# 3147

Delta R.T. 0.00 min

Lab File: BE088442.D

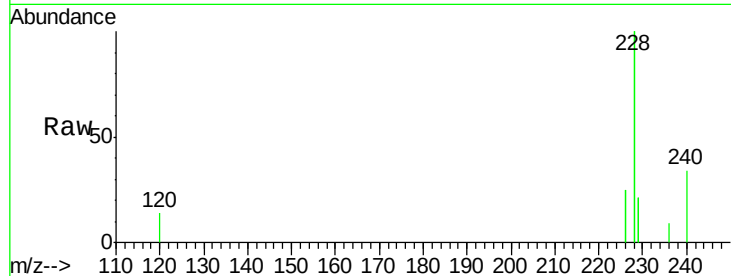
Acq: 1 Nov 2014 3:03

Instrument :

BNA_E

ClientSampleId :

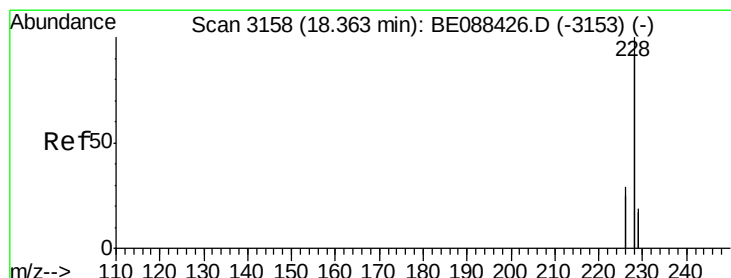
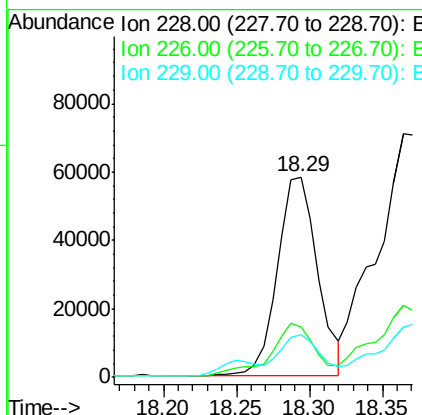
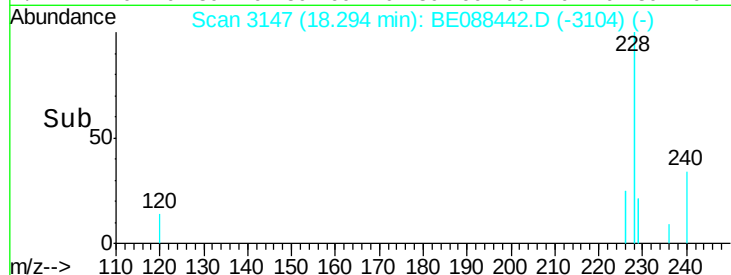
YS19-SS36-1014



Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.0	19.8	29.6
229	21.3	16.0	24.0

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#20

Chrysene

Concen: 2.58 ng

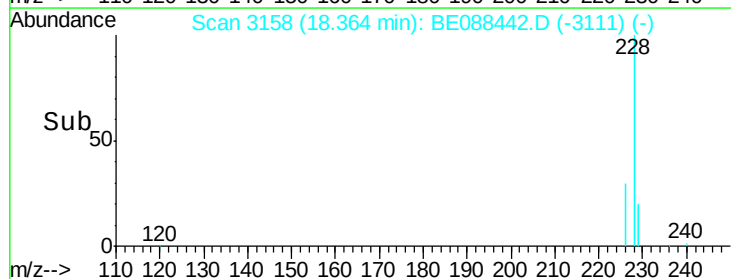
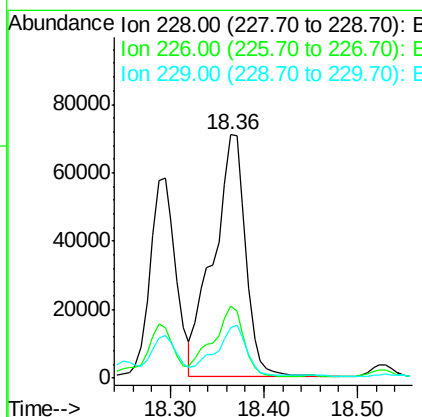
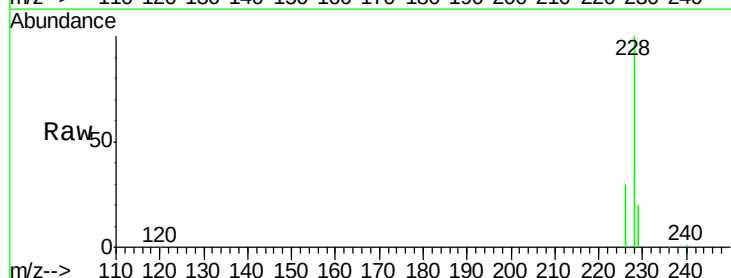
RT: 18.36 min Scan# 3158

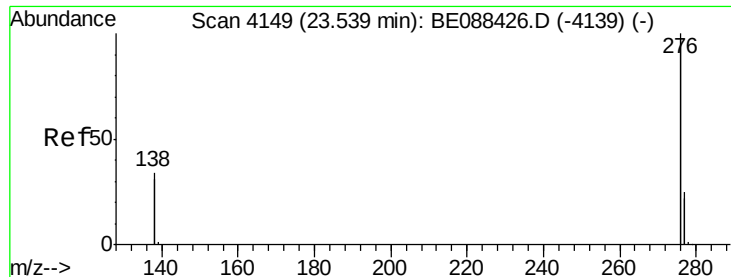
Delta R.T. 0.00 min

Lab File: BE088442.D

Acq: 1 Nov 2014 3:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.6	35.4
229	20.5	15.4	23.2





#21

Indeno(1,2,3-cd)pyrene

Concen: 3.01 ng

RT: 23.55 min Scan# 4151

Delta R.T. 0.01 min

Lab File: BE088442.D

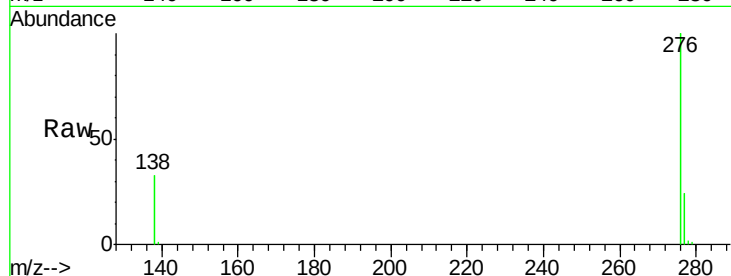
Acq: 1 Nov 2014 3:03

Instrument :

BNA_E

ClientSampleId :

YS19-SS36-1014



Tgt Ion: 276 Resp: 184610

Ion Ratio Lower Upper

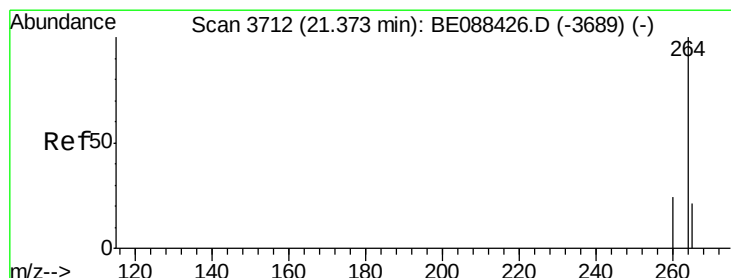
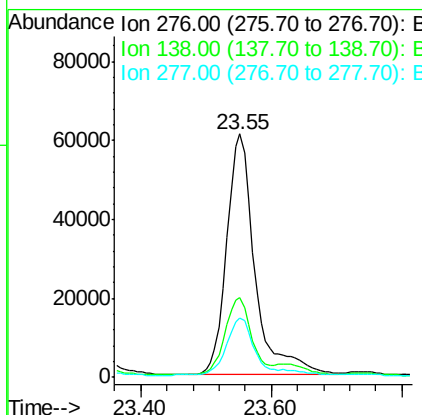
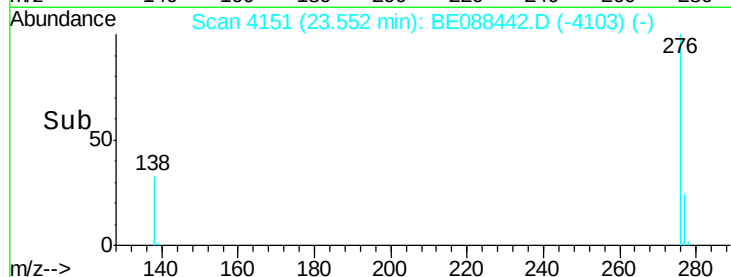
276 100

138 29.6 20.2 30.2

277 24.3 14.8 22.2#

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#22

Perylene-d12

Concen: 5.00 ng

RT: 21.38 min Scan# 3713

Delta R.T. 0.01 min

Lab File: BE088442.D

Acq: 1 Nov 2014 3:03

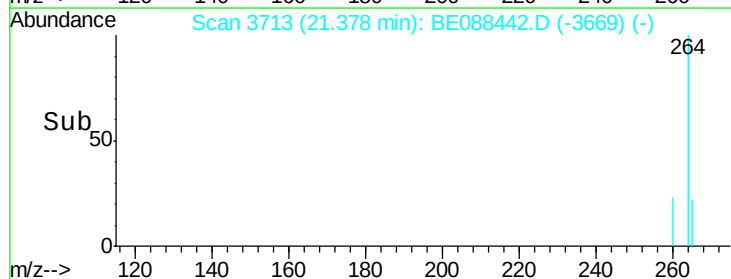
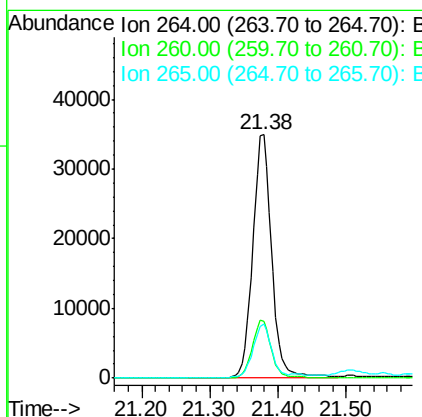
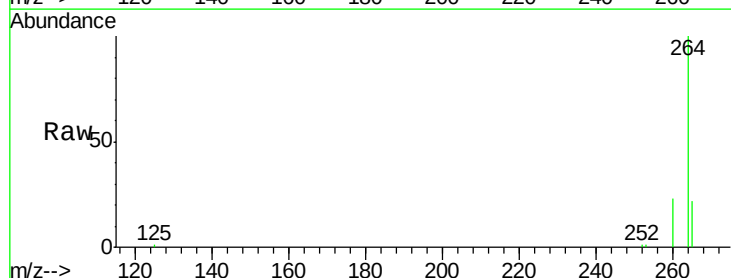
Tgt Ion: 264 Resp: 66973

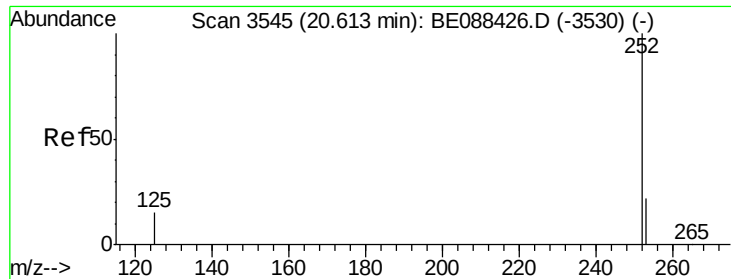
Ion Ratio Lower Upper

264 100

260 23.4 18.9 28.3

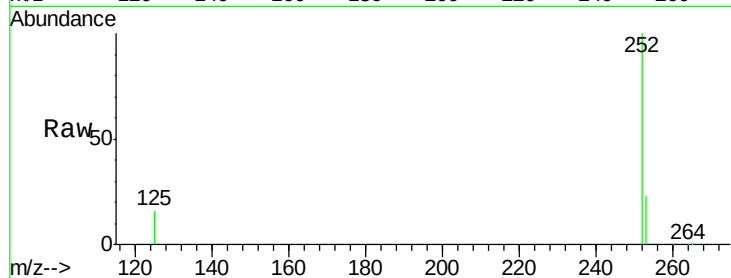
265 22.2 17.2 25.8





#23
Benzo(b)fluoranthene
Concen: 6.21 ng
RT: 20.62 min Scan# 3547
Delta R.T. 0.01 min
Lab File: BE088442.D
Acq: 1 Nov 2014 3:03

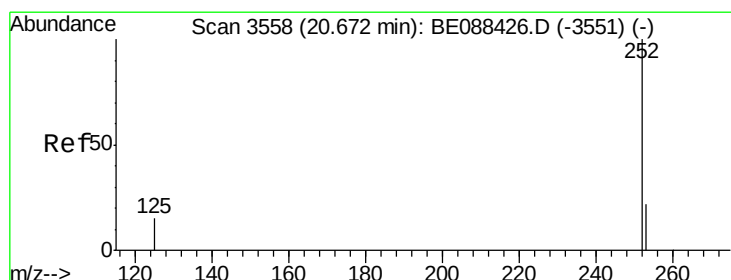
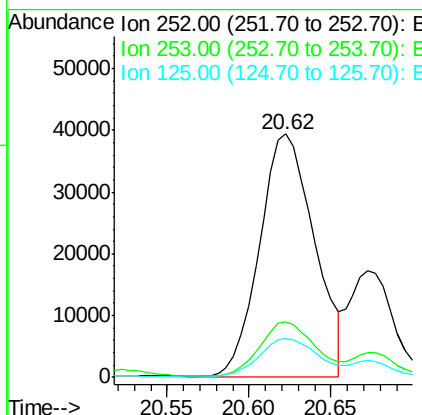
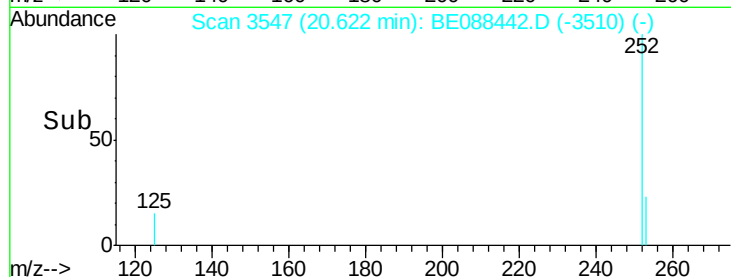
Instrument :
BNA_E
ClientSampleId :
YS19-SS36-1014



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	15.8	12.3	18.5

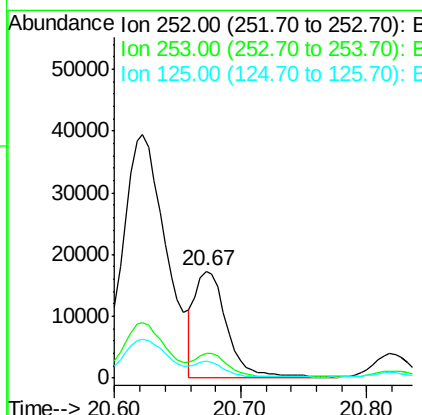
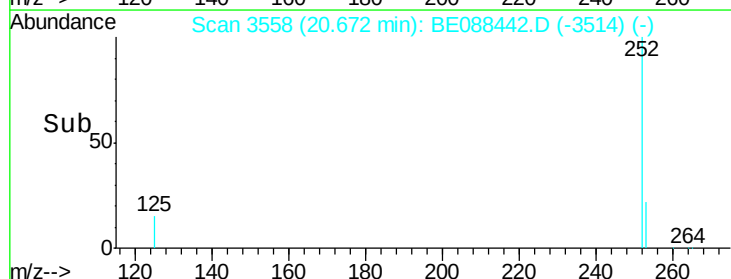
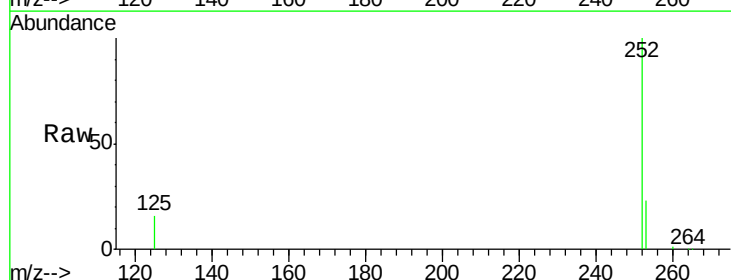
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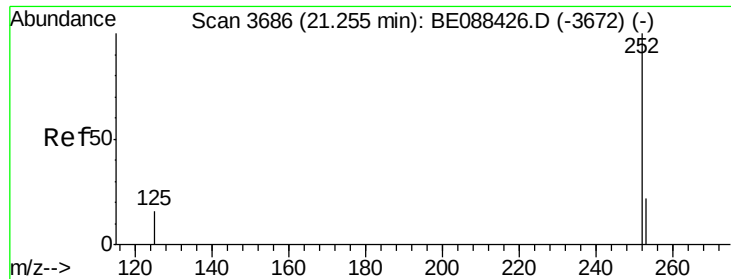
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#24
Benzo(k)fluoranthene
Concen: 1.84 ng
RT: 20.67 min Scan# 3558
Delta R.T. 0.00 min
Lab File: BE088442.D
Acq: 1 Nov 2014 3:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	15.8	12.2	18.4





#25

Benzo(a)pyrene

Concen: 3.24 ng

RT: 21.26 min Scan# 3687

Delta R.T. 0.01 min

Lab File: BE088442.D

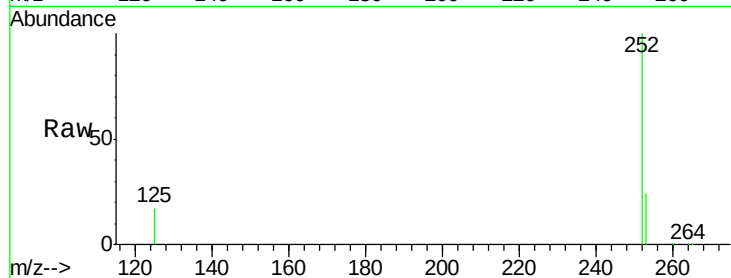
Acq: 1 Nov 2014 3:03

Instrument :

BNA_E

ClientSampleId :

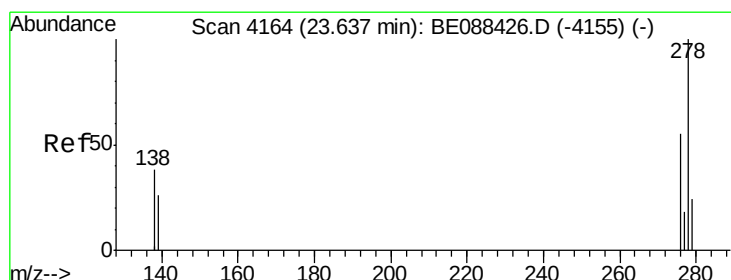
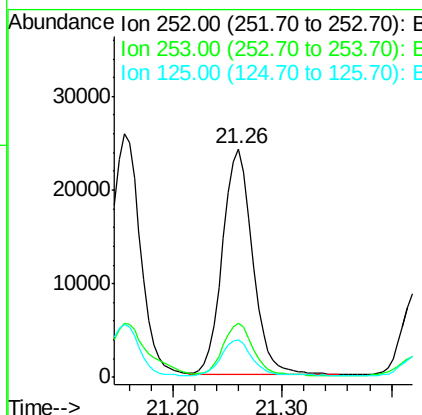
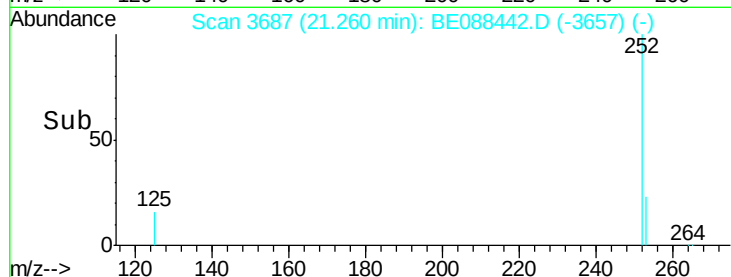
YS19-SS36-1014



Tgt Ion:	252	Resp:	45693
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.2	27.4
125	16.6	13.7	20.5

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#26

Dibenzo(a,h)anthracene

Concen: 0.66 ng

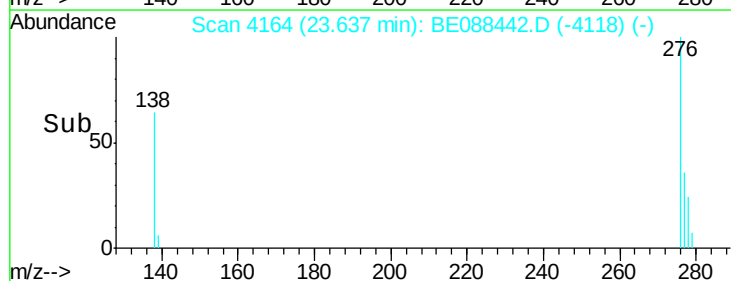
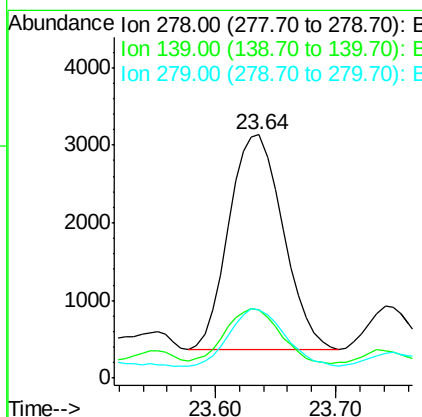
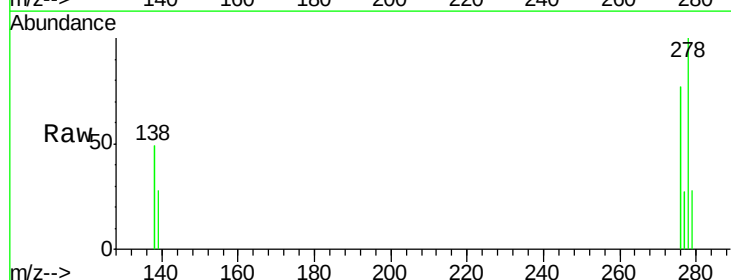
RT: 23.64 min Scan# 4164

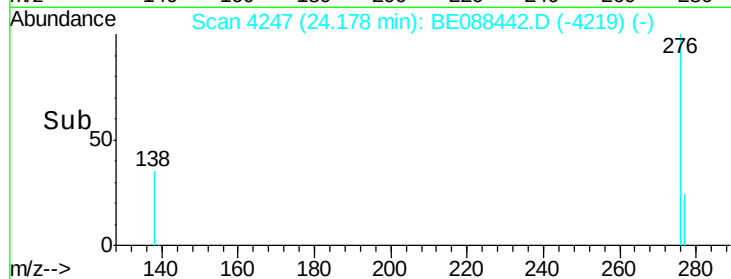
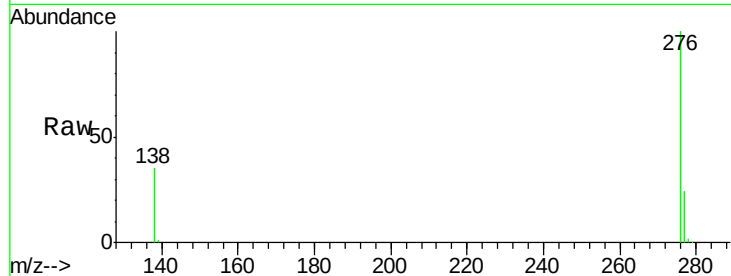
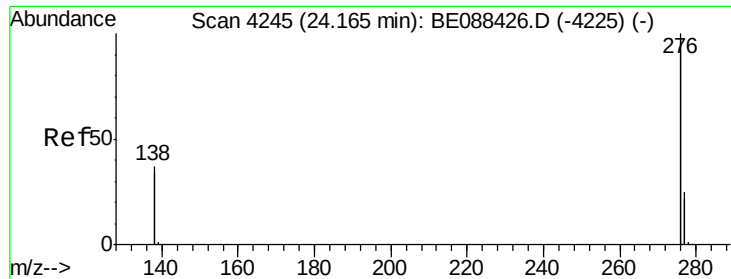
Delta R.T. -0.00 min

Lab File: BE088442.D

Acq: 1 Nov 2014 3:03

Tgt Ion:	278	Resp:	8666
Ion Ratio	Lower	Upper	
278	100		
139	28.0	22.1	33.1
279	28.1	19.7	29.5





#27

Benzo(g,h,i)perylene

Concen: 3.33 ng

RT: 24.18 min Scan# 4247

Delta R.T. 0.01 min

Lab File: BE088442.D

Acq: 1 Nov 2014 3:03

Instrument :

BNA_E

ClientSampleId :

YS19-SS36-1014

Tgt	Ion	276	Resp:	200094
Ion	Ratio	Lower	Upper	
276	100			
277	24.0	19.8	29.6	
138	34.5	29.3	43.9	

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