

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
 Data File : BE088175.D
 Acq On : 22 Oct 2014 10:48
 Operator : TP/JJ
 Sample : F4303-04 10X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB01-1014

Manual Integrations
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mohammad
 10/22/2014 1:56:28 PM

Quant Time: Oct 22 11:29:02 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	22590	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	88262	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	46592	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	71959	5.00	ng	0.00
16) Chrysene-d12	18.38	240	45872	5.00	ng	0.00
22) Perylene-d12	21.44	264	43972	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.83	82	58724	9.23	ng	0.00
8) 2-Fluorobiphenyl	10.04	172	112030	8.70	ng	0.00
18) Terphenyl-d14	16.15	244	85022	11.52	ng	0.00
Target Compounds						Qvalue
5) Naphthalene	8.72	128	1882	0.10	ng	95
6) 2-Methylnaphthalene	9.57	142	587	0.05	ng	# 89
9) Acenaphthylene	10.67	152	2637	0.04	ng	# 76
10) Acenaphthene	10.88	154	2896	0.26	ng	95
11) Fluorene	11.55	166	2992	0.26	ng	100
13) Phenanthrene	13.01	178	207364	3.86	ng	95
14) Anthracene	13.09	178	51513m	0.92	ng	
15) Fluoranthene	15.25	202	68744	5.02	ng	99
17) Pyrene	15.70	202	56971m	4.57	ng	
19) Benzo(a)anthracene	18.36	228	89650	2.20	ng	99
20) Chrysene	18.44	228	91588	2.29	ng	98
21) Indeno(1,2,3-cd)pyrene	23.64	276	49761	1.12	ng	# 89
23) Benzo(b)fluoranthene	20.69	252	24511	2.34	ng	97
24) Benzo(k)fluoranthene	20.74	252	10335	0.92	ng	98
25) Benzo(a)pyrene	21.32	252	17411	1.81	ng	98
26) Dibenzo(a,h)anthracene	23.73	278	2430	0.26	ng	# 88
27) Benzo(g,h,i)perylene	24.27	276	49506	1.18	ng	98

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

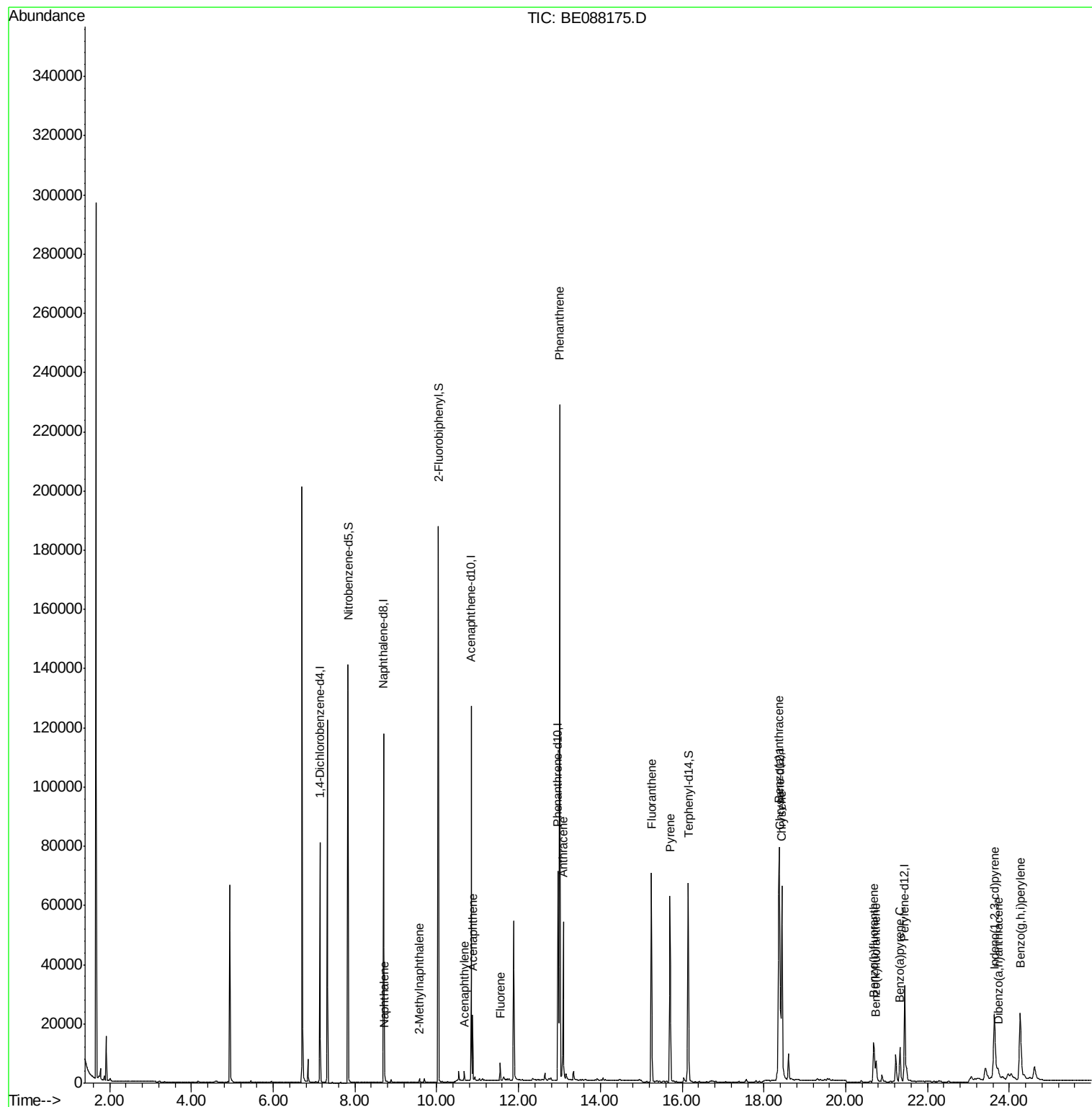
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
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Sample : F4303-04 10X
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ALS Vial : 33 Sample Multiplier: 1

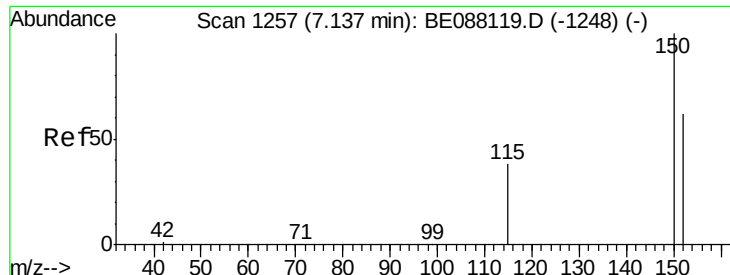
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088175.D

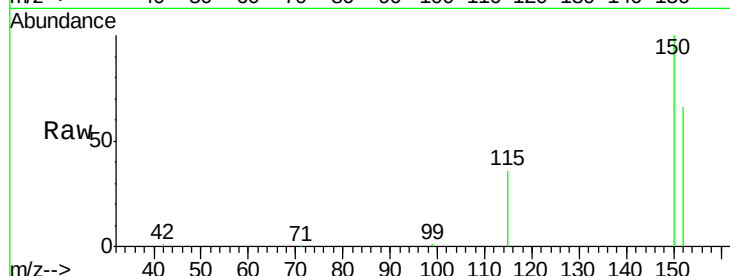
Acq: 22 Oct 2014 10:48

Instrument :

BNA_E

ClientSampleId :

YS19-SB01-1014



Tgt Ion:152 Resp: 22590

Ion Ratio Lower Upper

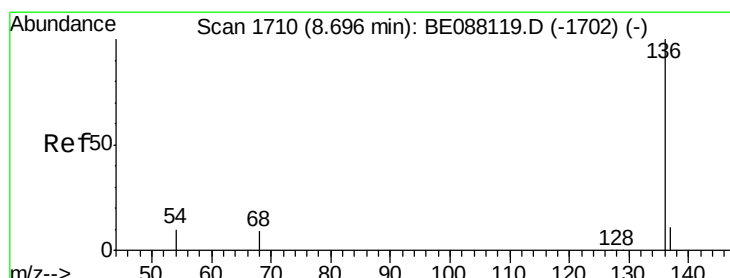
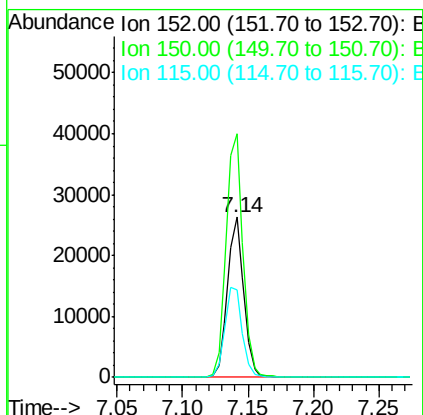
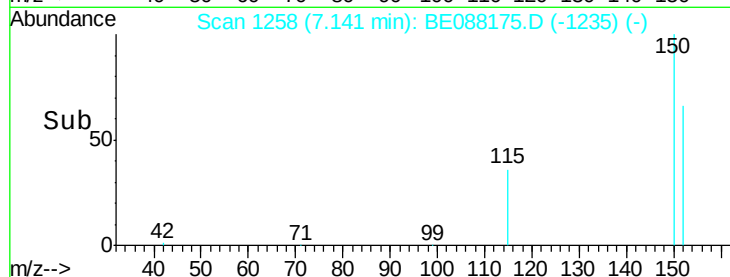
152 100

150 152.2 129.2 193.8

115 54.6 49.3 73.9

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#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.70 min Scan# 1712

Delta R.T. 0.01 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

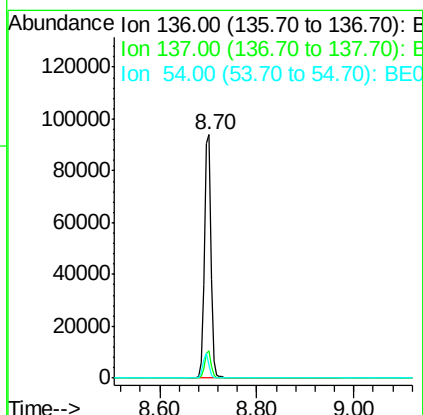
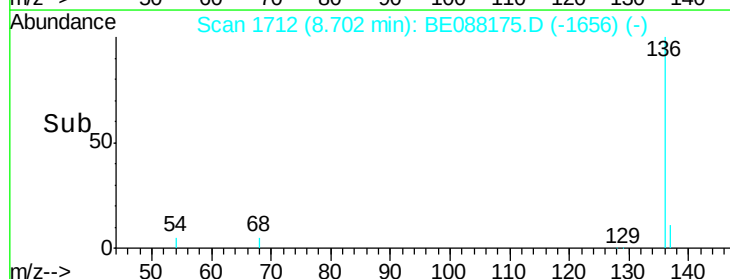
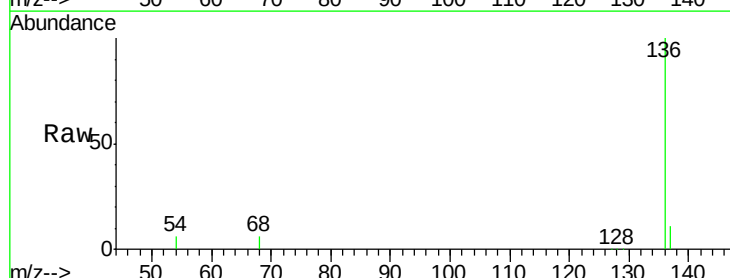
Tgt Ion:136 Resp: 88262

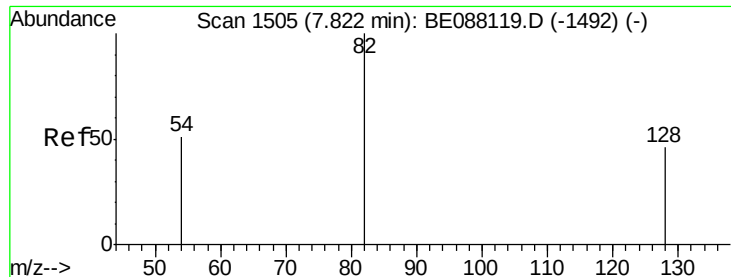
Ion Ratio Lower Upper

136 100

137 11.4 8.6 12.8

54 5.5 7.7 11.5#





#4

Nitrobenzene-d5

Concen: 9.23 ng

RT: 7.83 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

Instrument :

BNA_E

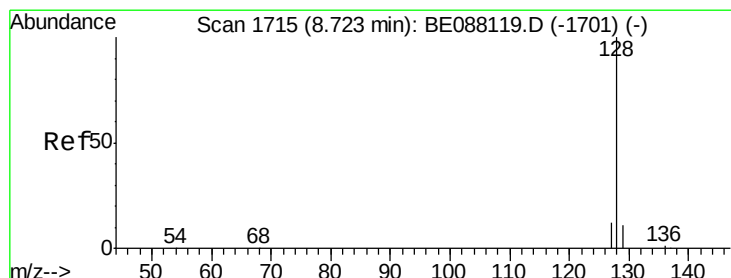
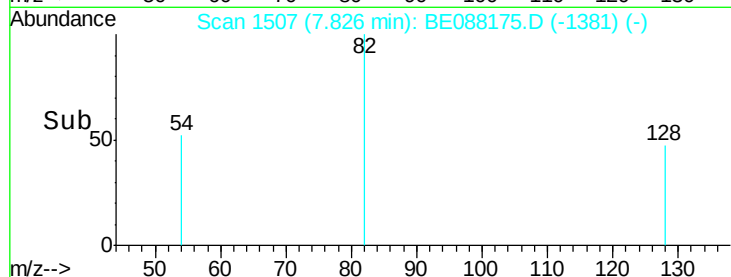
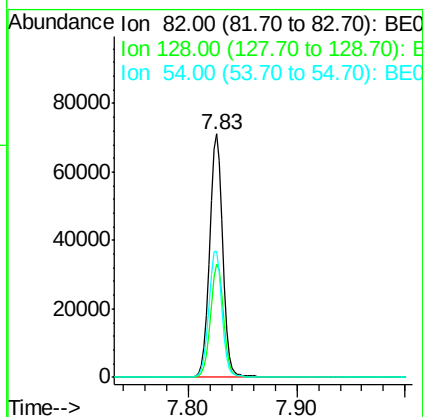
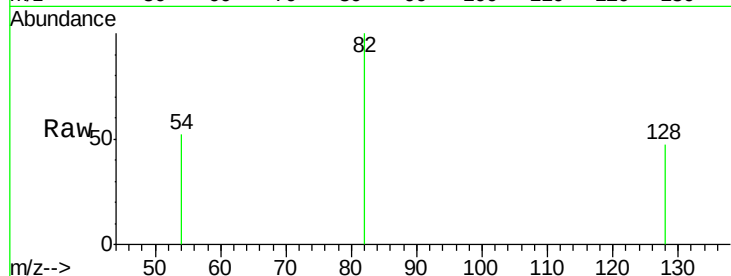
ClientSampleId :

YS19-SB01-1014

Tgt Ion:	82	Resp:	58724
Ion Ratio	Lower	Upper	
82	100		
128	46.6	37.1	55.7
54	52.0	41.1	61.7

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#5

Naphthalene

Concen: 0.10 ng

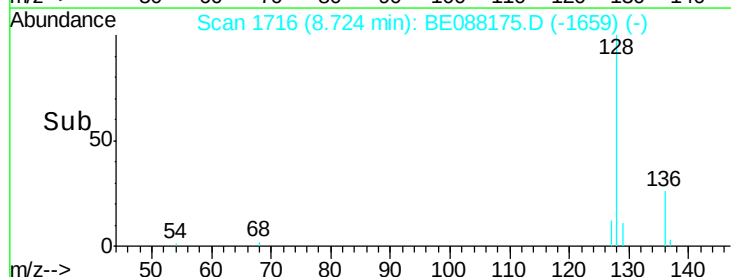
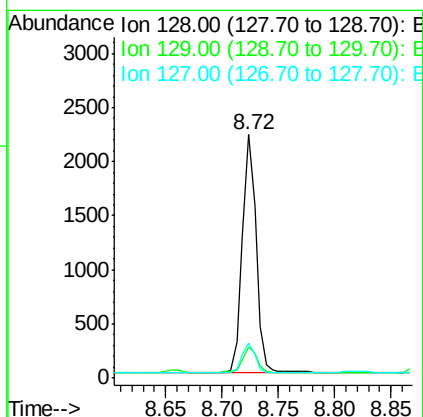
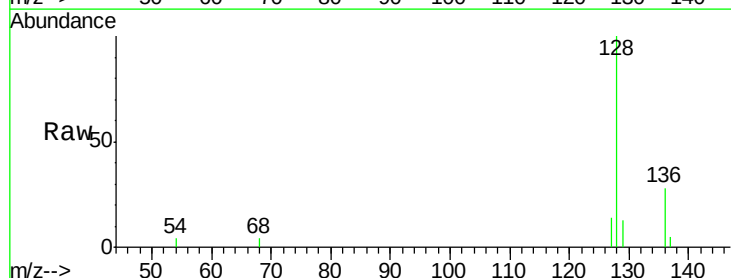
RT: 8.72 min Scan# 1716

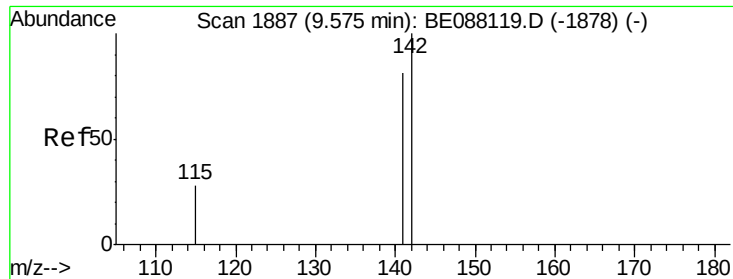
Delta R.T. 0.00 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

Tgt Ion:	128	Resp:	1882
Ion Ratio	Lower	Upper	
128	100		
129	12.8	8.9	13.3
127	14.4	9.7	14.5





#6

2-Methylnaphthalene

Concen: 0.05 ng

RT: 9.57 min Scan# 1888

Delta R.T. -0.00 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

Instrument :

BNA_E

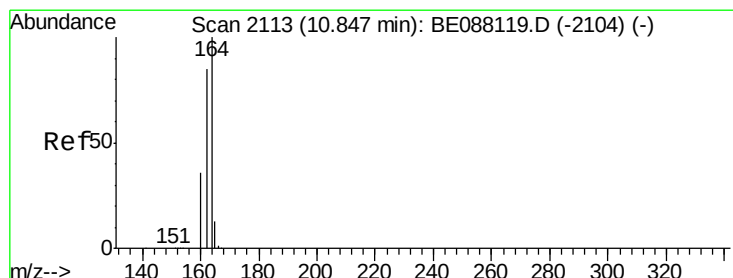
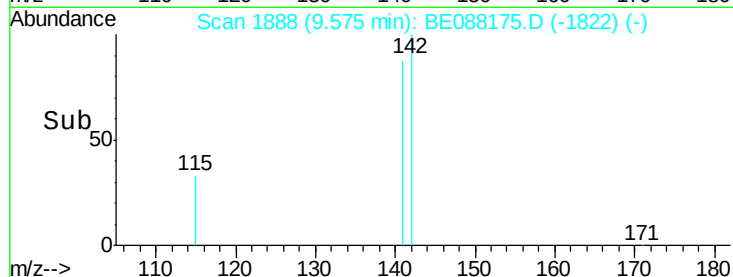
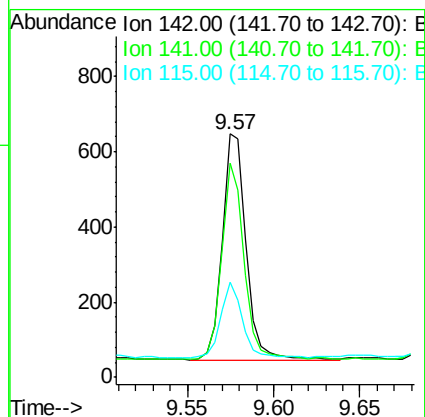
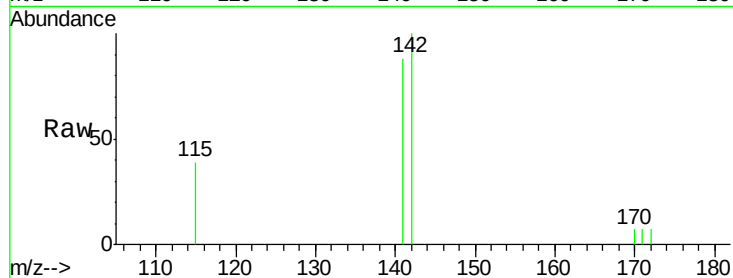
ClientSampleId :

YS19-SB01-1014

Tgt Ion:	142	Resp:	587
Ion Ratio	Lower	Upper	
142	100		
141	87.8	64.6	97.0
115	39.2	22.6	34.0#

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#7

Acenaphthene-d10

Concen: 5.00 ng

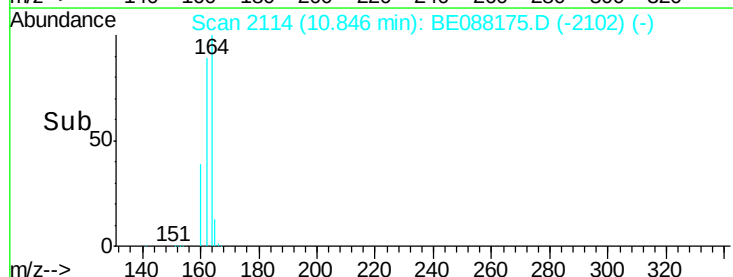
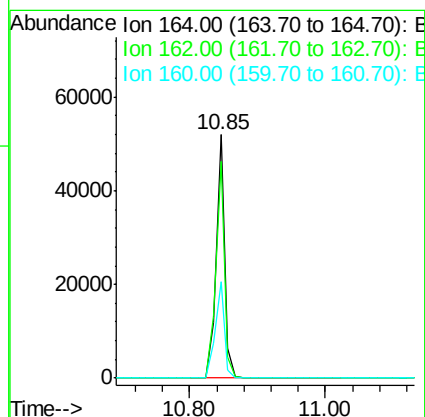
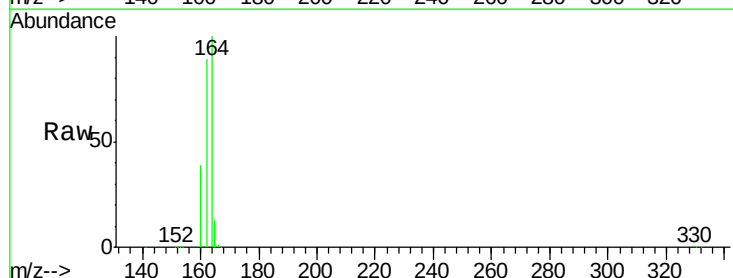
RT: 10.85 min Scan# 2114

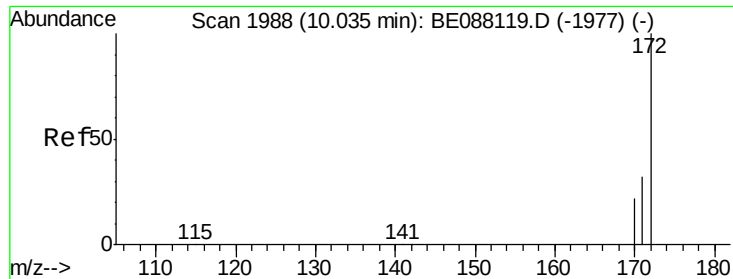
Delta R.T. -0.00 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

Tgt Ion:	164	Resp:	46592
Ion Ratio	Lower	Upper	
164	100		
162	89.2	68.3	102.5
160	39.4	28.7	43.1





#8

2-Fluorobiphenyl

Concen: 8.70 ng

RT: 10.04 min Scan# 1990

Delta R.T. 0.00 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

Instrument :

BNA_E

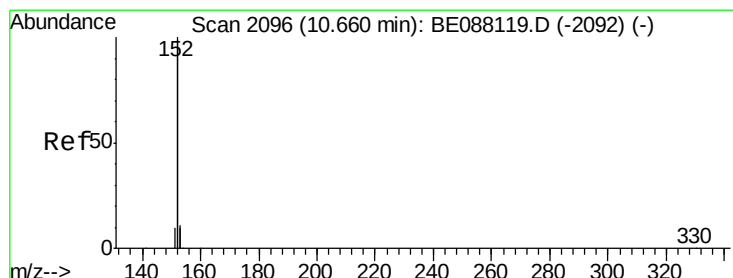
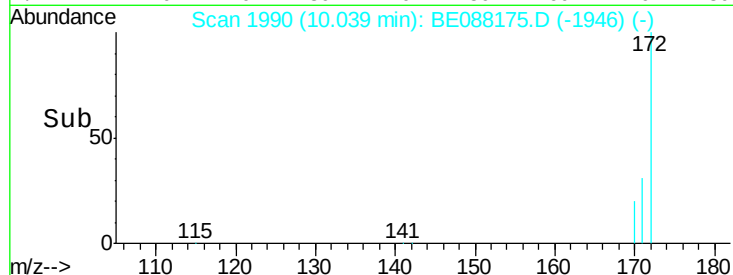
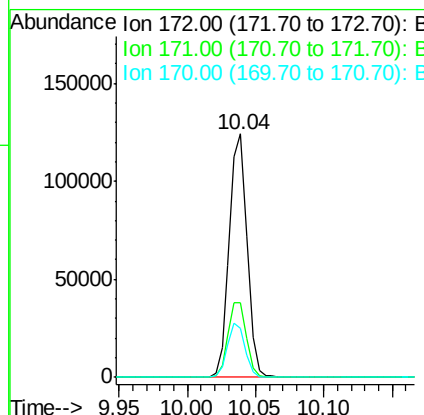
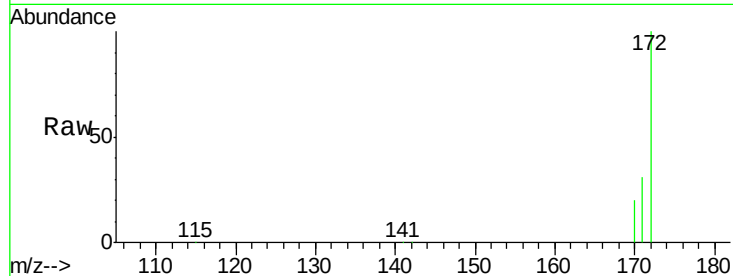
ClientSampleId :

YS19-SB01-1014

Tgt Ion:	172	Resp:	112030
Ion Ratio	Lower	Upper	
172	100		
171	30.8	25.4	38.2
170	19.9	17.4	26.2

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#9

Acenaphthylene

Concen: 0.04 ng

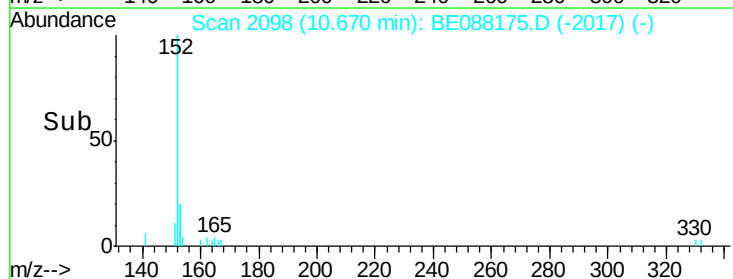
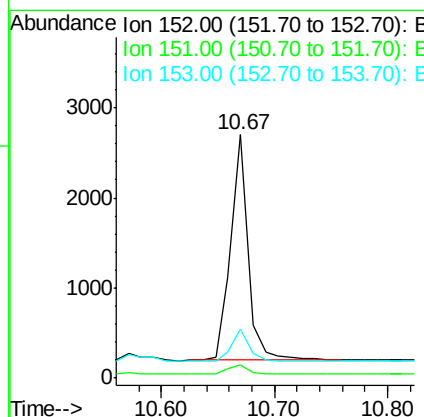
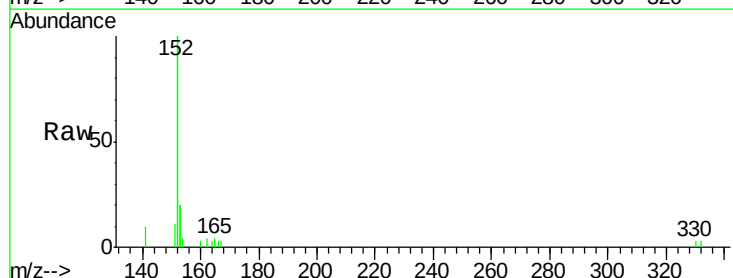
RT: 10.67 min Scan# 2098

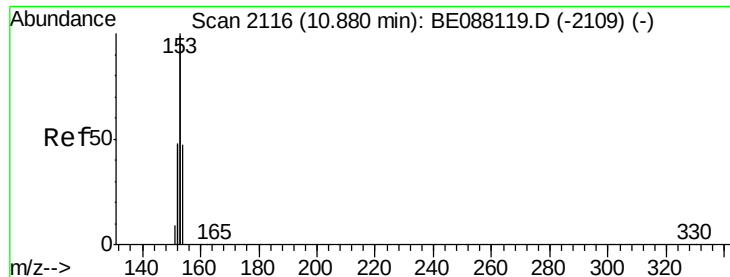
Delta R.T. 0.01 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

Tgt Ion:	152	Resp:	2637
Ion Ratio	Lower	Upper	
152	100		
151	4.9	3.7	5.5
153	0.0	10.4	15.6#





#10

Acenaphthene

Concen: 0.26 ng

RT: 10.88 min Scan# 2117

Delta R.T. -0.00 min

Lab File: BE088175.D

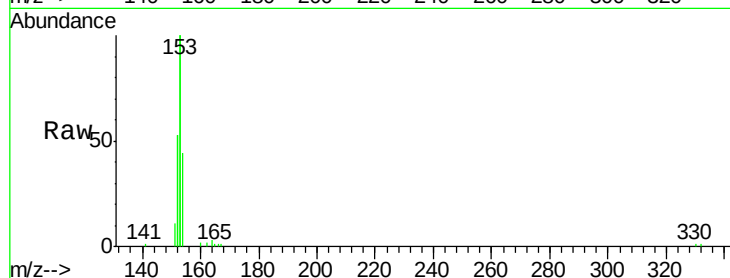
Acq: 22 Oct 2014 10:48

Instrument :

BNA_E

ClientSampleId :

YS19-SB01-1014



Tgt Ion:154 Resp: 2896

Ion Ratio Lower Upper

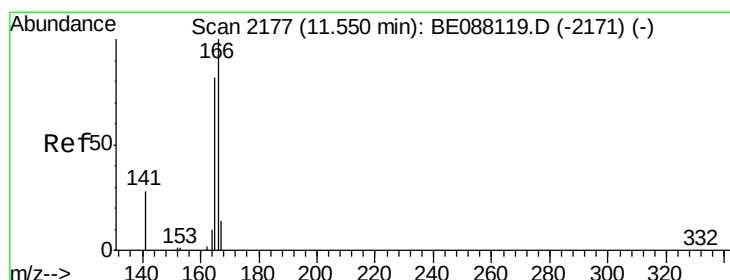
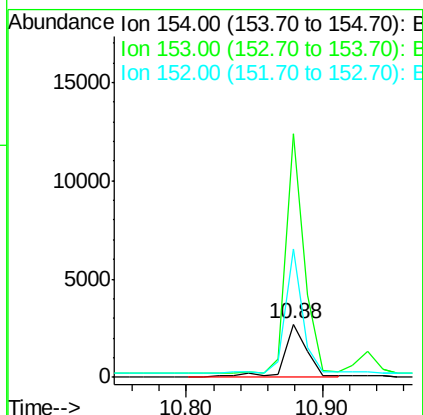
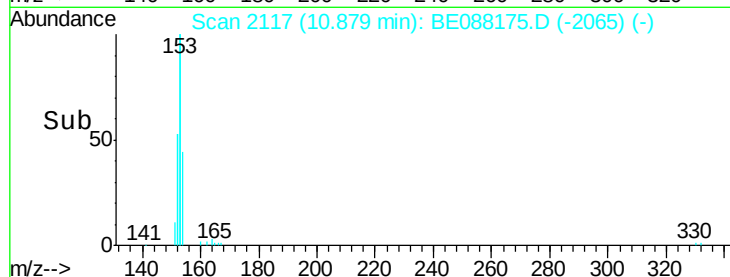
154 100

153 395.1 327.8 491.6

152 199.3 157.6 236.4

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#11

Fluorene

Concen: 0.26 ng

RT: 11.55 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

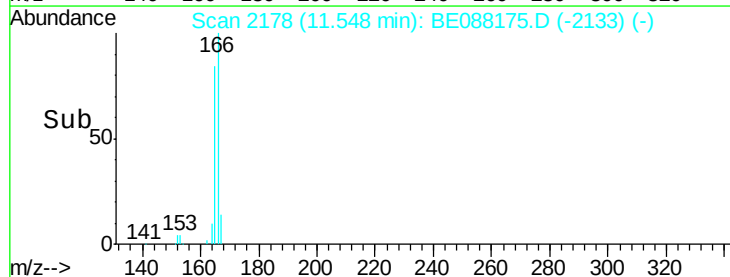
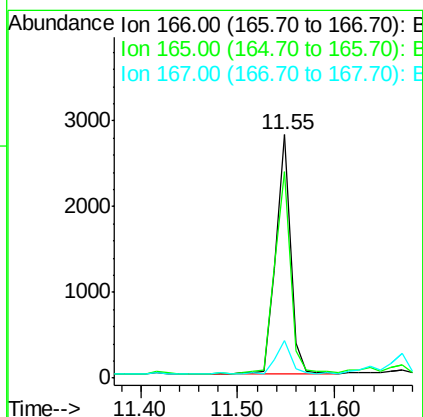
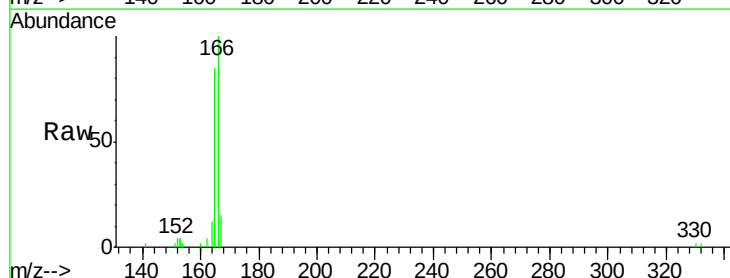
Tgt Ion:166 Resp: 2992

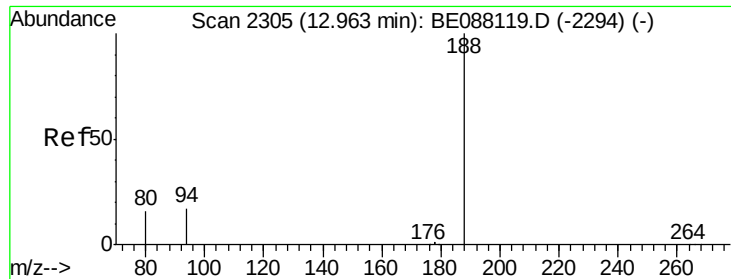
Ion Ratio Lower Upper

166 100

165 89.5 71.4 107.2

167 14.3 10.6 16.0





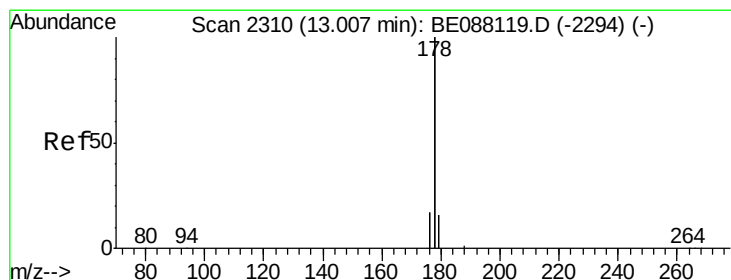
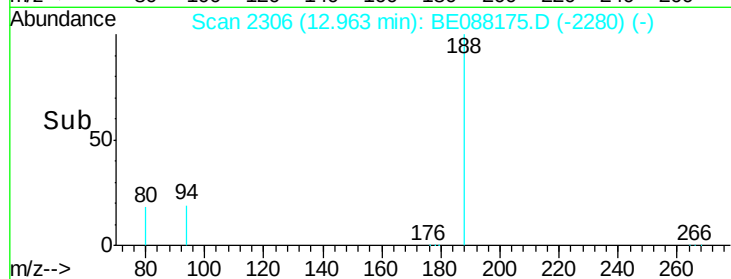
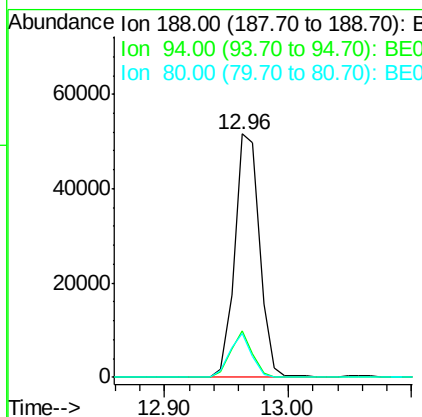
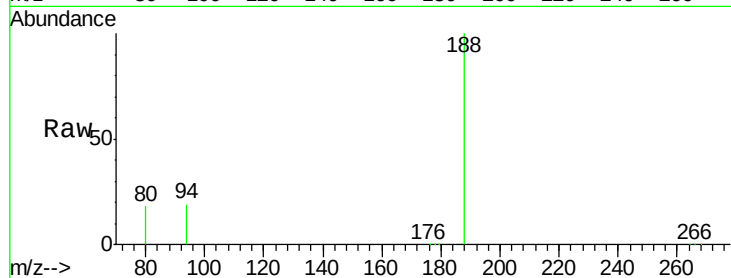
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.96 min Scan# 2306
Delta R.T. -0.00 min
Lab File: BE088175.D
Acq: 22 Oct 2014 10:48

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
188	100	71959		
94	19.1		13.9	20.9
80	17.9		12.9	19.3

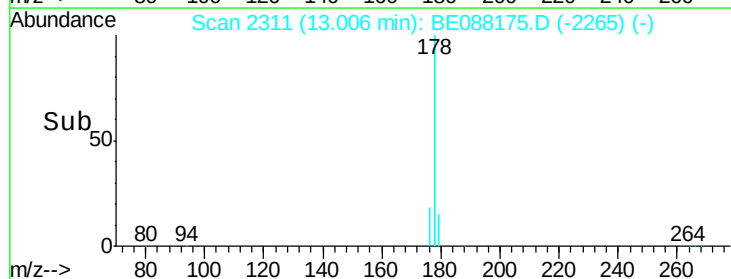
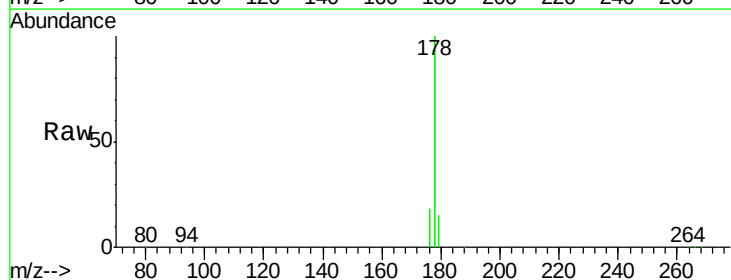
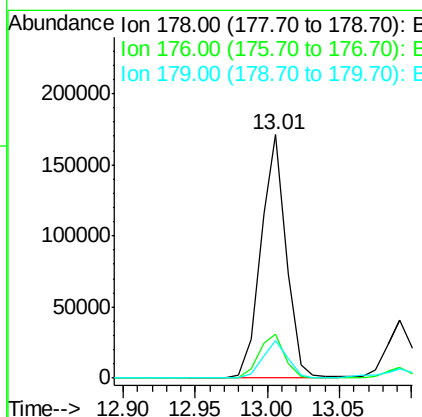
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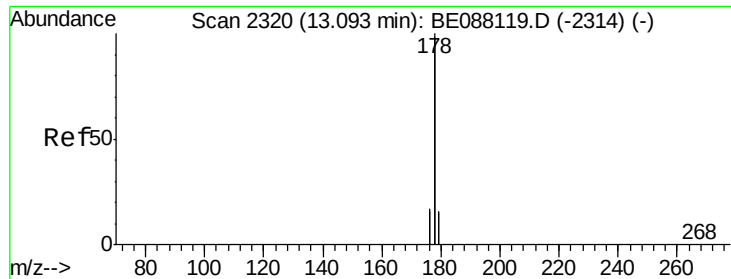
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#13
Phenanthrene
Concen: 3.86 ng
RT: 13.01 min Scan# 2311
Delta R.T. -0.00 min
Lab File: BE088175.D
Acq: 22 Oct 2014 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	207364		
176	18.5		12.5	18.7
179	15.3		13.5	20.3





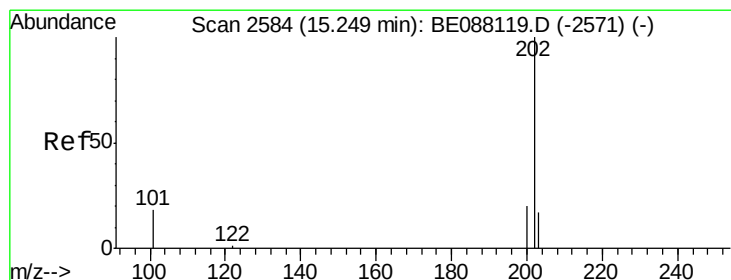
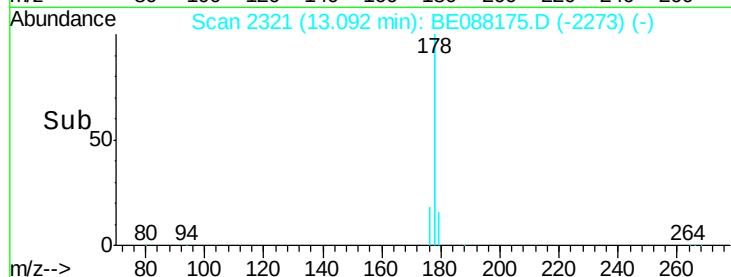
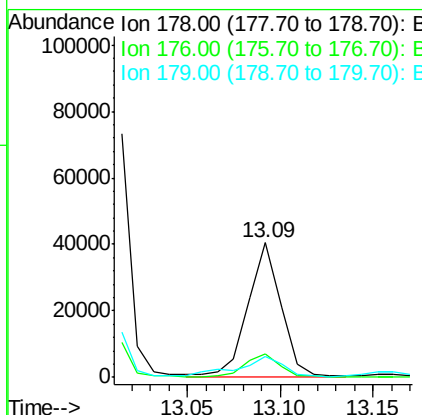
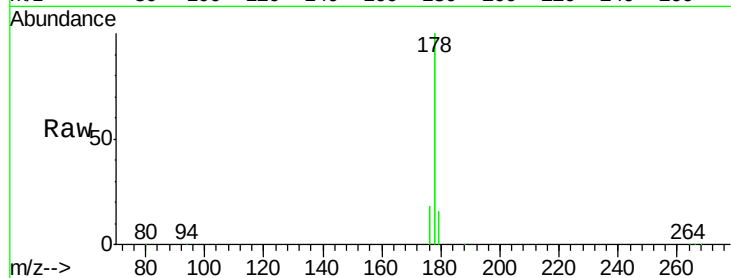
#14
 Anthracene
 Concen: 0.92 ng m
 RT: 13.09 min Scan# 2321
 Delta R.T. -0.00 min
 Lab File: BE088175.D
 Acq: 22 Oct 2014 10:48

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB01-1014

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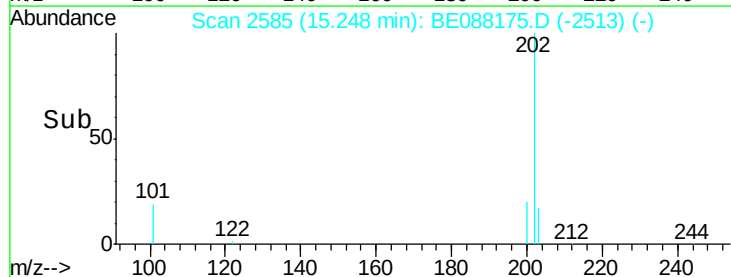
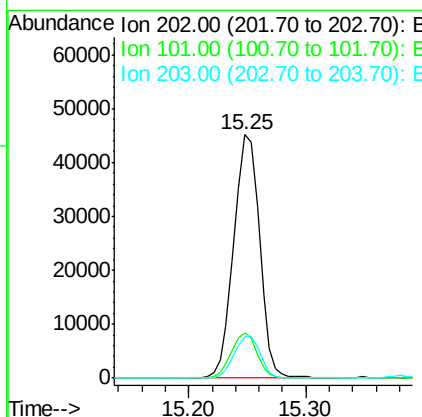
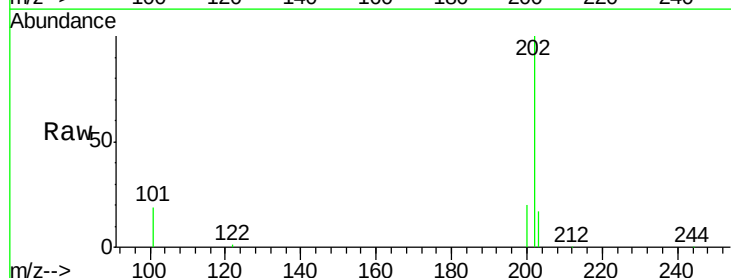
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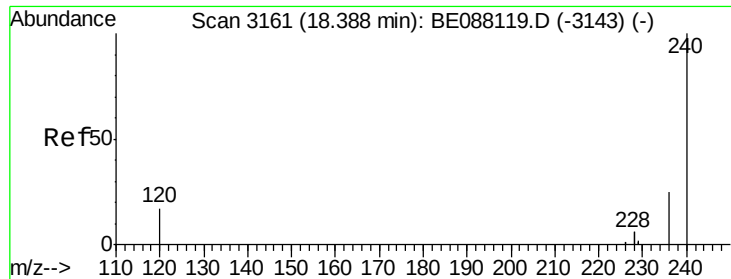
Tgt Ion	Ratio	Lower	Upper
178	100		
176	74.6	14.6	21.8#
179	61.5	12.5	18.7#



#15
 Fluoranthene
 Concen: 5.02 ng
 RT: 15.25 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: BE088175.D
 Acq: 22 Oct 2014 10:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.3	14.8	22.2
203	17.3	13.5	20.3





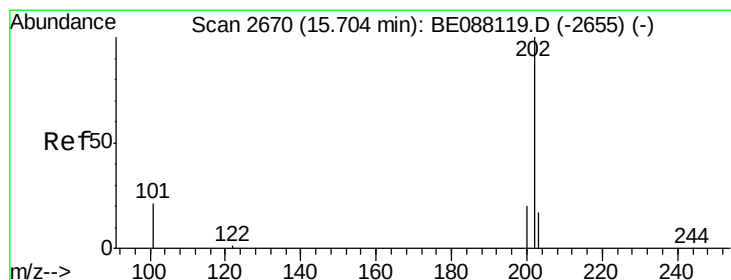
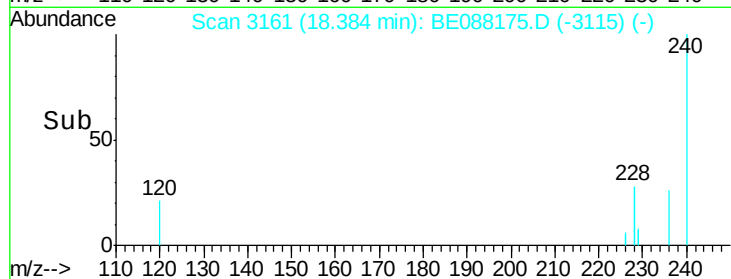
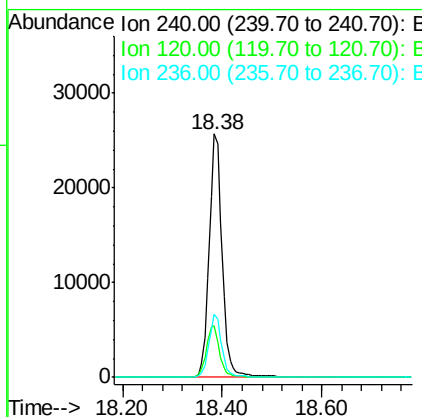
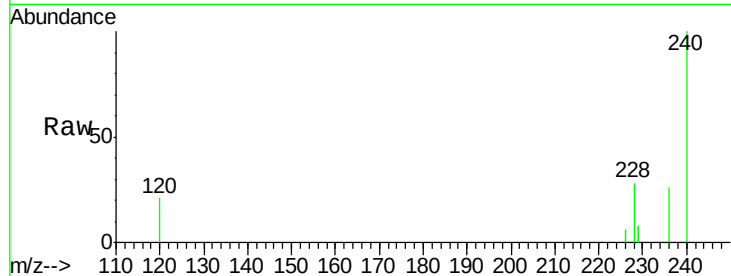
#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.38 min Scan# 3161
Delta R.T. -0.00 min
Lab File: BE088175.D
Acq: 22 Oct 2014 10:48

Instrument :
BNA_E
ClientSampleId :
YS19-SB01-1014

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	45872		
120	21.1	13.9	20.9	
236	25.7	19.9	29.9	

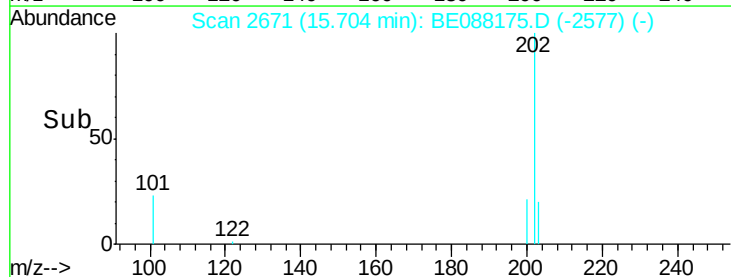
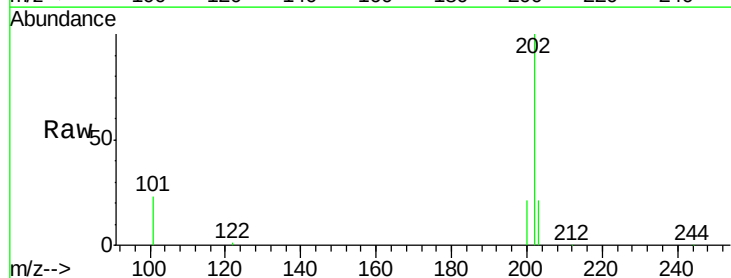
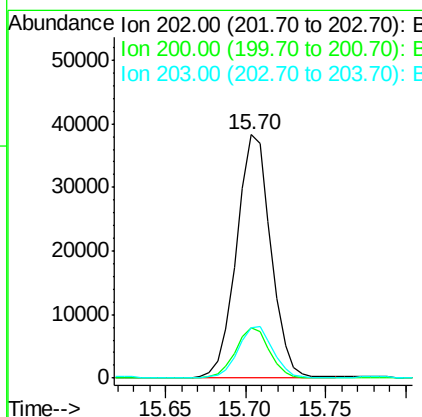
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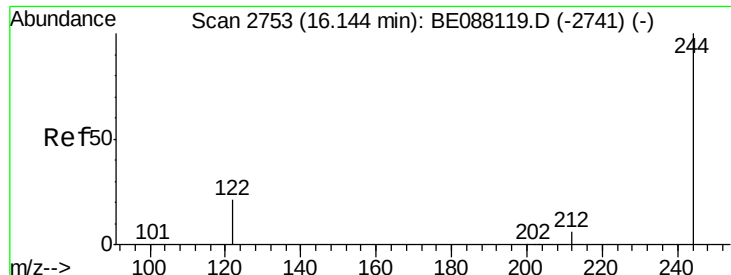
mohammad
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#17
Pyrene
Concen: 4.57 ng m
RT: 15.70 min Scan# 2671
Delta R.T. -0.00 min
Lab File: BE088175.D
Acq: 22 Oct 2014 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	56971		
200	24.0	16.1	24.1	
203	20.8	13.9	20.9	





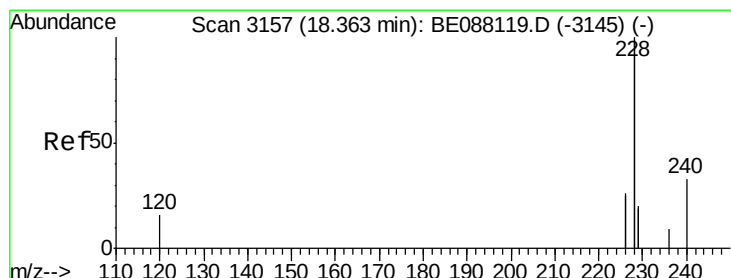
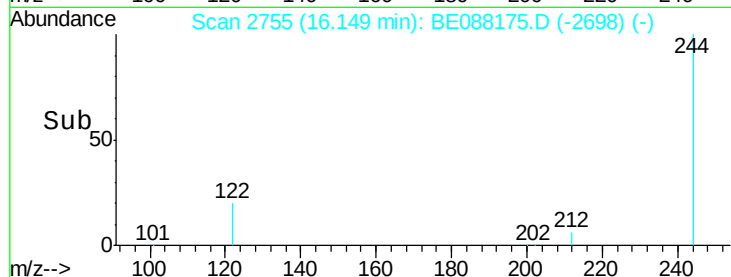
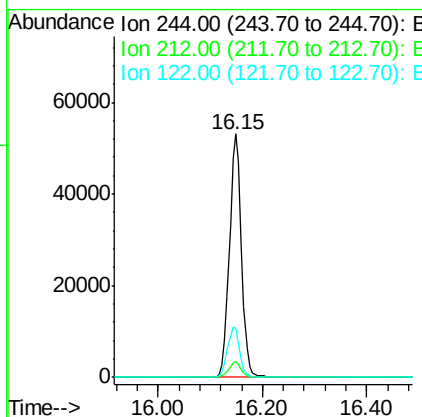
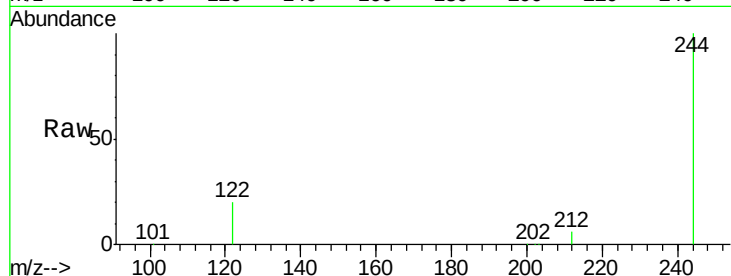
#18
 Terphenyl-d14
 Concen: 11.52 ng
 RT: 16.15 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BE088175.D
 Acq: 22 Oct 2014 10:48

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB01-1014

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	85022		
212	6.4		5.4	8.0
122	19.9		17.5	26.3

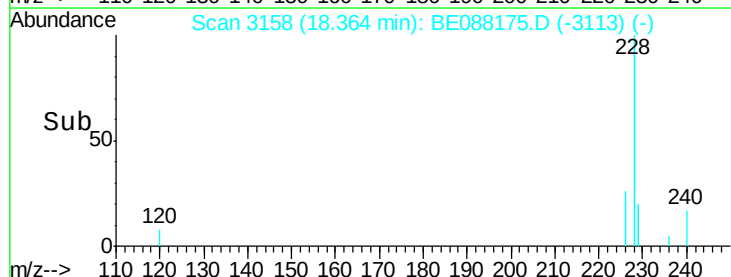
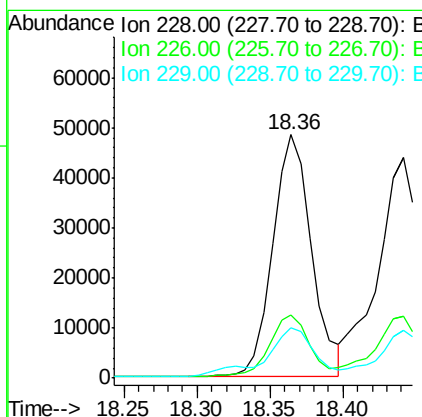
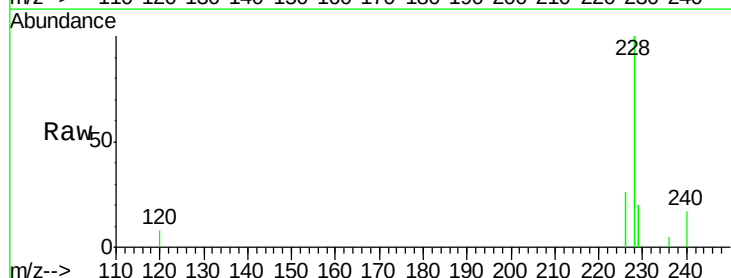
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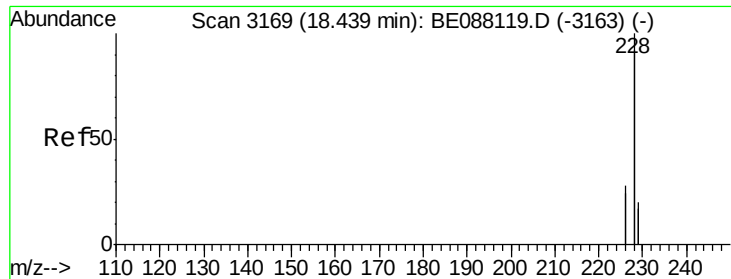
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#19
 Benzo(a)anthracene
 Concen: 2.20 ng
 RT: 18.36 min Scan# 3158
 Delta R.T. 0.00 min
 Lab File: BE088175.D
 Acq: 22 Oct 2014 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	89650		
226	26.1		20.8	31.2
229	20.4		15.6	23.4





#20

Chrysene

Concen: 2.29 ng

RT: 18.44 min Scan# 3170

Delta R.T. 0.00 min

Lab File: BE088175.D

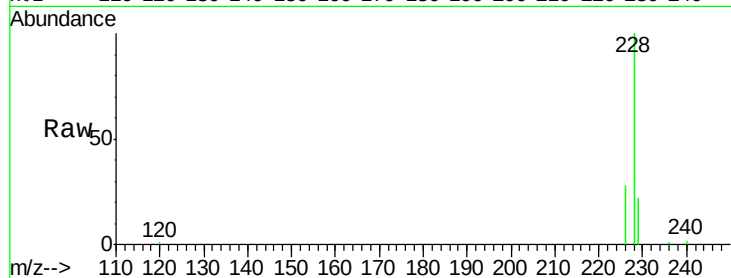
Acq: 22 Oct 2014 10:48

Instrument :

BNA_E

ClientSampleId :

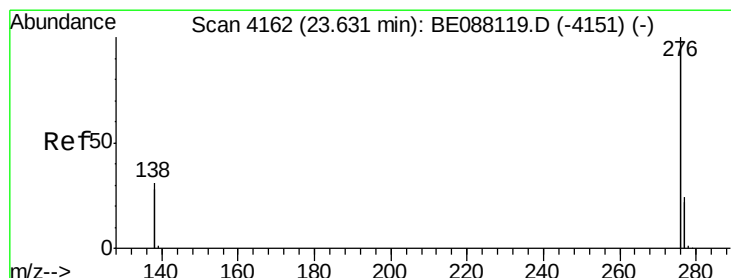
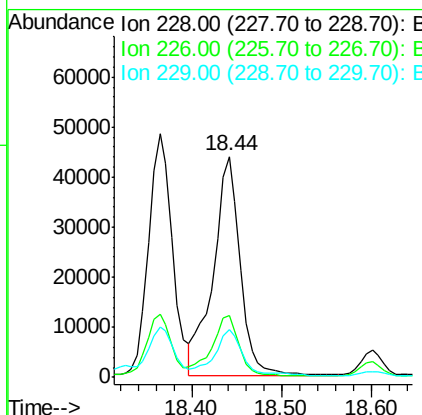
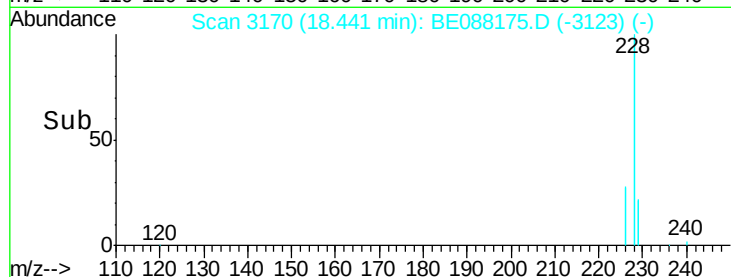
YS19-SB01-1014



Tgt Ion:	228	Resp:	91588
Ion Ratio	Lower	Upper	
228	100		
226	27.9	22.7	34.1
229	21.8	15.8	23.6

Manual Integrations
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#21

Indeno(1,2,3-cd)pyrene

Concen: 1.12 ng

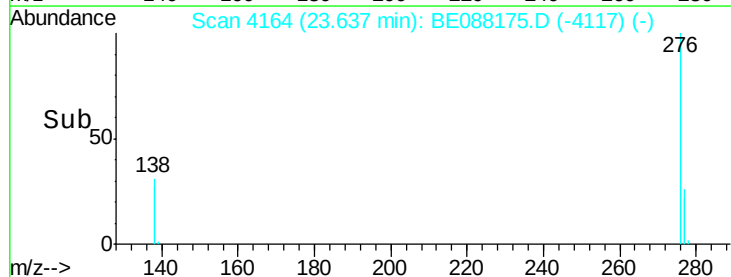
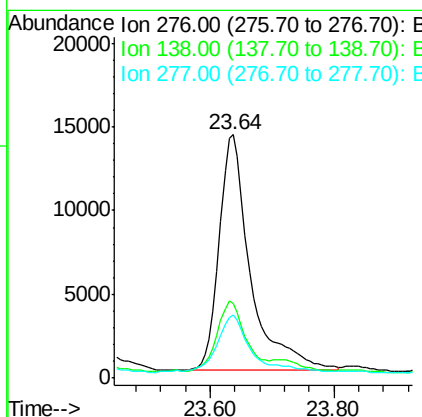
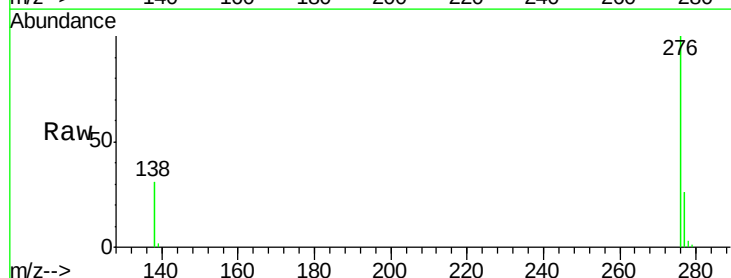
RT: 23.64 min Scan# 4164

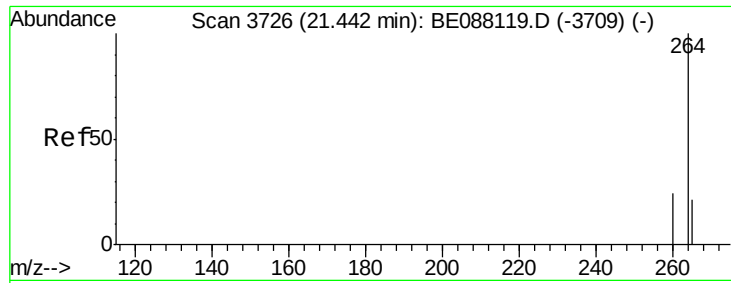
Delta R.T. 0.01 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

Tgt Ion:	276	Resp:	49761
Ion Ratio	Lower	Upper	
276	100		
138	26.7	18.5	27.7
277	25.1	14.6	21.8#





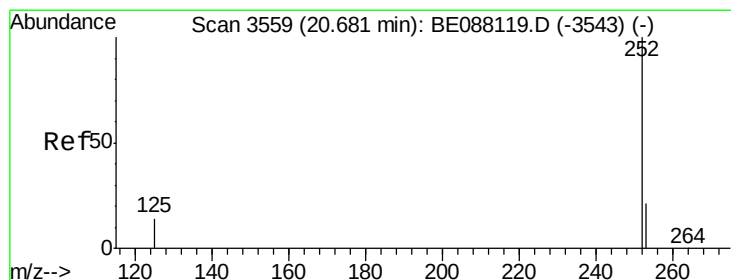
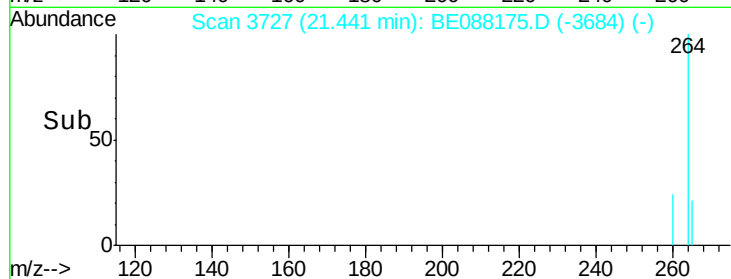
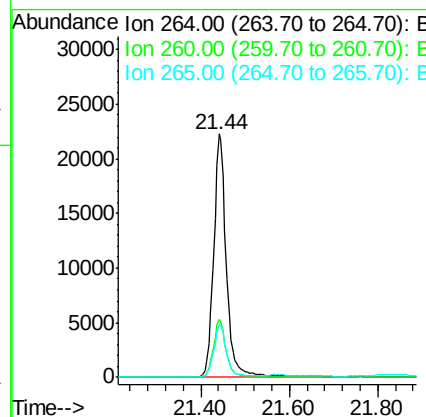
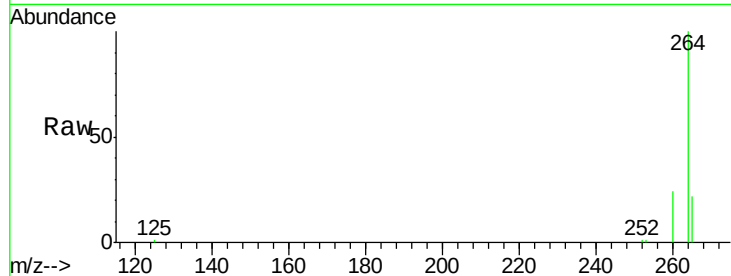
#22
Perylene-d12
 Concen: 5.00 ng
 RT: 21.44 min Scan# 3727
 Delta R.T. -0.00 min
 Lab File: BE088175.D
 Acq: 22 Oct 2014 10:48

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB01-1014

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	43972		
260	24.0	19.0	28.4	
265	21.6	17.2	25.8	

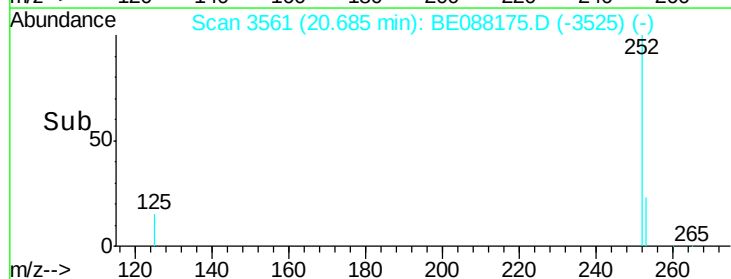
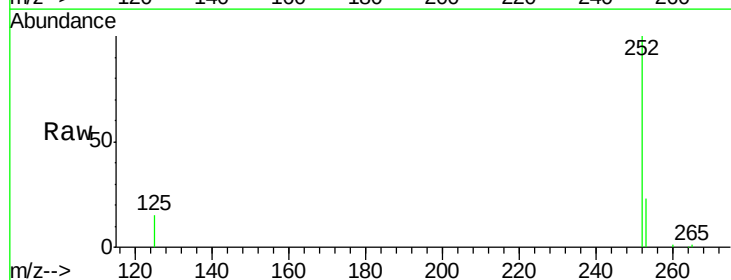
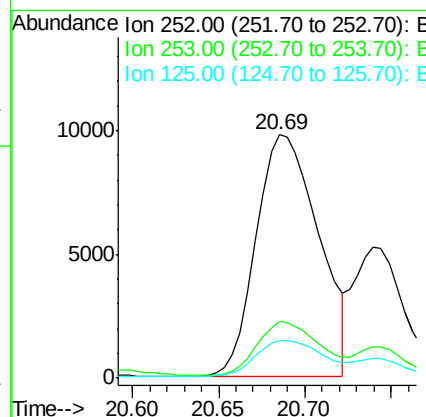
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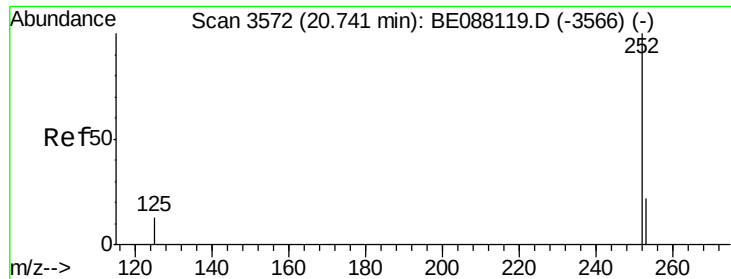
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#23
Benzo(b)fluoranthene
 Concen: 2.34 ng
 RT: 20.69 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: BE088175.D
 Acq: 22 Oct 2014 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	24511		
253	23.2	17.4	26.0	
125	15.5	11.8	17.8	





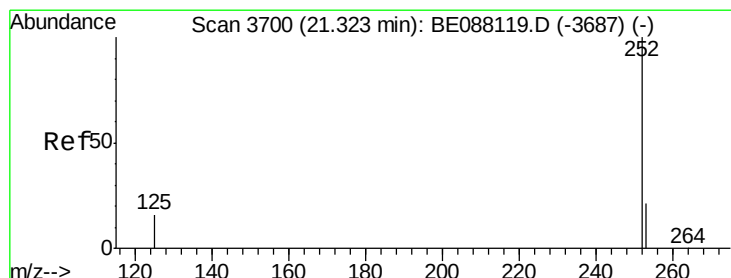
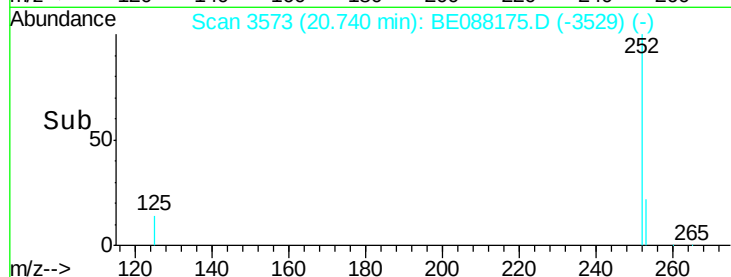
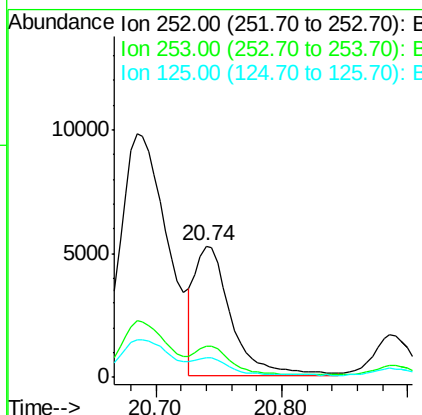
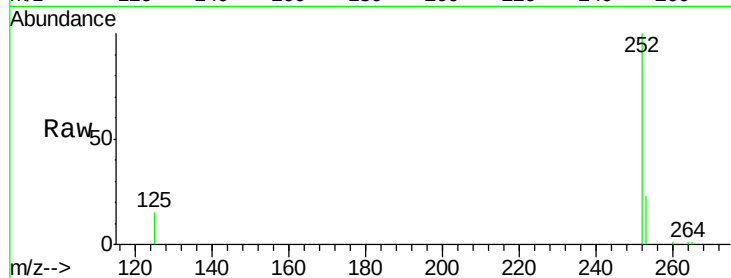
#24
Benzo(k)fluoranthene
Concen: 0.92 ng
RT: 20.74 min Scan# 3573
Delta R.T. -0.00 min
Lab File: BE088175.D
Acq: 22 Oct 2014 10:48

Instrument :
BNA_E
ClientSampleId :
YS19-SB01-1014

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.6	26.4
125	15.2	11.5	17.3

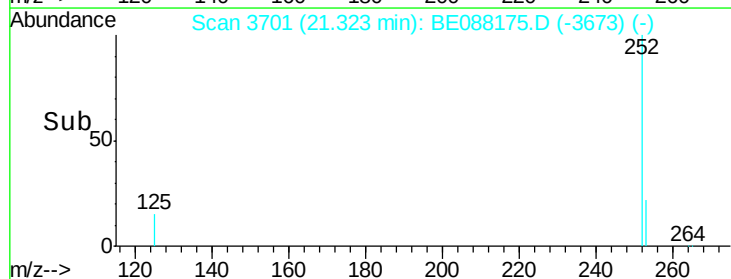
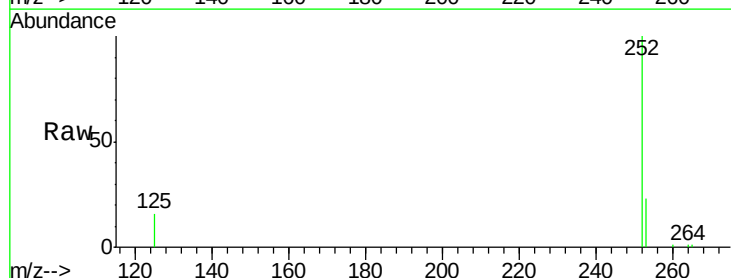
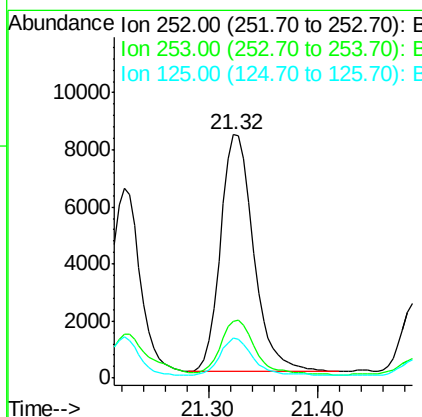
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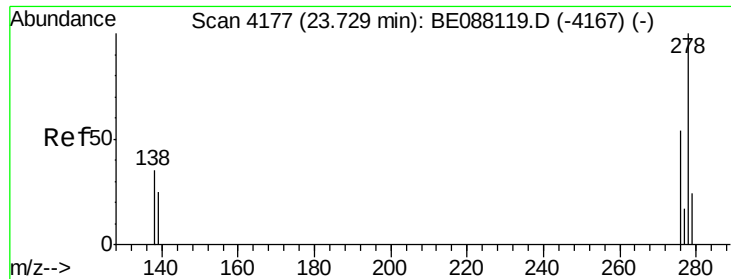
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#25
Benzo(a)pyrene
Concen: 1.81 ng
RT: 21.32 min Scan# 3701
Delta R.T. -0.00 min
Lab File: BE088175.D
Acq: 22 Oct 2014 10:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	16.4	13.0	19.6





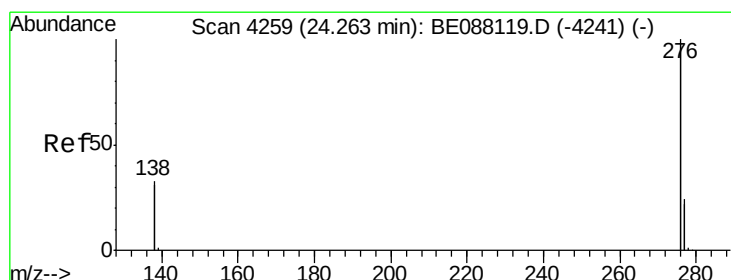
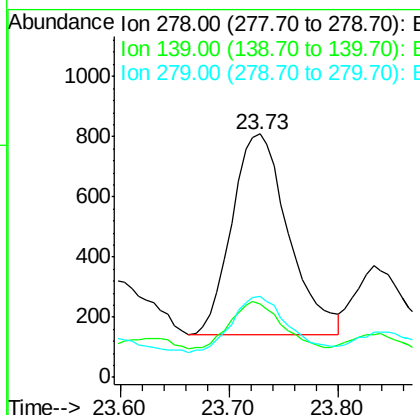
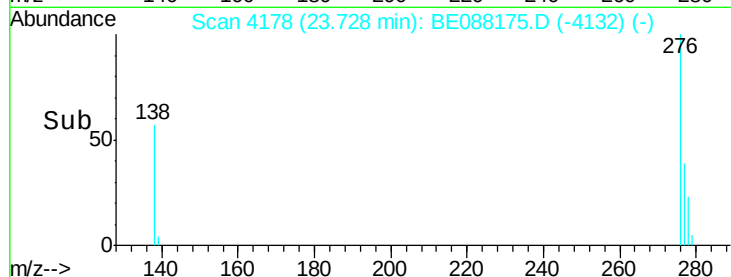
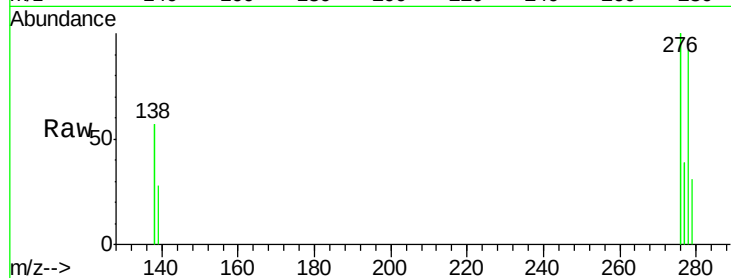
#26
Dibenzo(a,h)anthracene
Concen: 0.26 ng
RT: 23.73 min Scan# 4178
Delta R.T. -0.00 min
Lab File: BE088175.D
Acq: 22 Oct 2014 10:48

Instrument :
BNA_E
ClientSampleId :
YS19-SB01-1014

Tgt Ion	Ratio	Lower	Upper
278	100		
139	30.0	20.9	31.3
279	33.5	19.8	29.8

Manual Integrations
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#27
Benzo(g,h,i)perylene
Concen: 1.18 ng
RT: 24.27 min Scan# 4261
Delta R.T. 0.01 min
Lab File: BE088175.D
Acq: 22 Oct 2014 10:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.2	28.8
138	32.7	26.6	40.0

