

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102214\
 Data File : BE088196.D
 Acq On : 22 Oct 2014 23:19
 Operator : TP/JJ
 Sample : F4325-15
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS12-1014

Manual Integrations
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 10/28/2014 12:07:29 PM

Quant Time: Oct 27 04:52:59 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	26256	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	99506	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	53133	5.00	ng	0.00
12) Phenanthrene-d10	12.97	188	77472	5.00	ng	0.00
16) Chrysene-d12	18.39	240	48494	5.00	ng	0.00
22) Perylene-d12	21.44	264	48417	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.84	82	424180	59.13	ng	0.01
8) 2-Fluorobiphenyl	10.04	172	519310	35.38	ng	0.00
18) Terphenyl-d14	16.16	244	391485	50.17	ng	0.02
Target Compounds						Qvalue
5) Naphthalene	8.72	128	904	0.04	ng	# 89
6) 2-Methylnaphthalene	9.57	142	1018	0.08	ng	# 93
9) Acenaphthylene	10.67	152	9670	0.12	ng	99
10) Acenaphthene	10.88	154	2753	0.22	ng	90
11) Fluorene	11.55	166	2675	0.20	ng	99
13) Phenanthrene	13.01	178	121659	1.99	ng	# 95
14) Anthracene	13.09	178	33897m	0.56	ng	
15) Fluoranthene	15.25	202	48253	3.27	ng	99
17) Pyrene	15.70	202	37900m	2.87	ng	
19) Benzo(a)anthracene	18.36	228	70733	1.64	ng	99
20) Chrysene	18.44	228	74755	1.77	ng	97
21) Indeno(1,2,3-cd)pyrene	23.64	276	45013	0.96	ng	# 93
23) Benzo(b)fluoranthene	20.69	252	20799	1.80	ng	97
24) Benzo(k)fluoranthene	20.74	252	9506	0.77	ng	96
25) Benzo(a)pyrene	21.33	252	14336	1.35	ng	98
26) Dibenzo(a,h)anthracene	23.73	278	3078	0.30	ng	91
27) Benzo(g,h,i)perylene	24.27	276	42304	0.92	ng	98

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

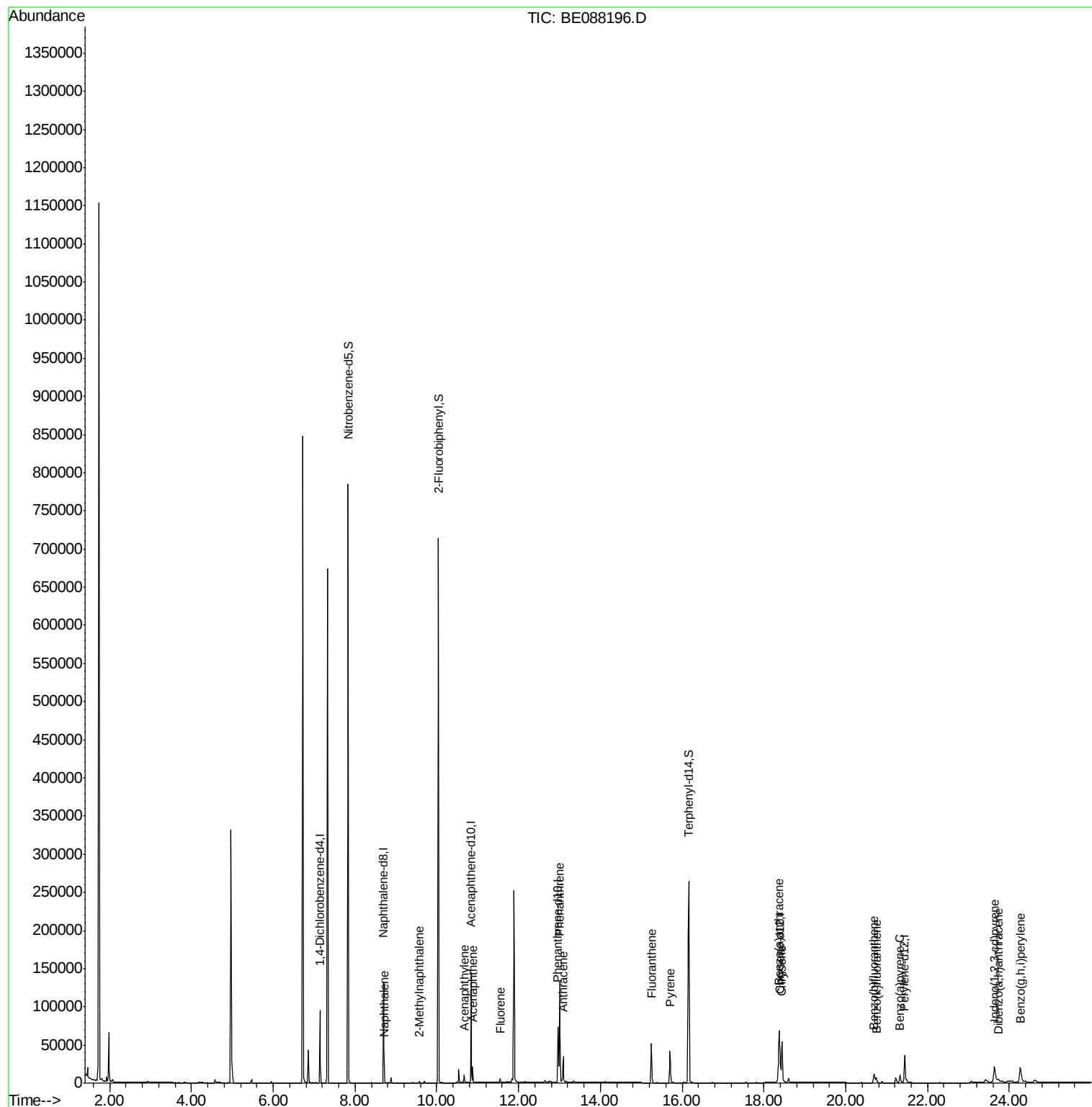
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102214\
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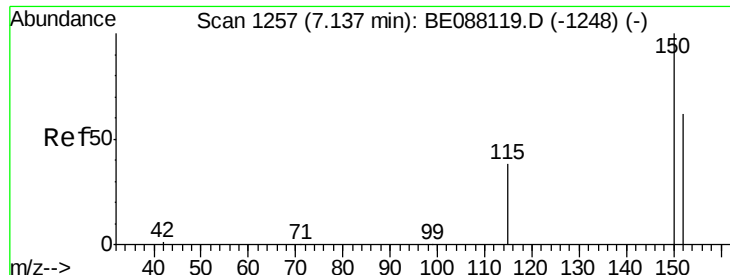
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088196.D

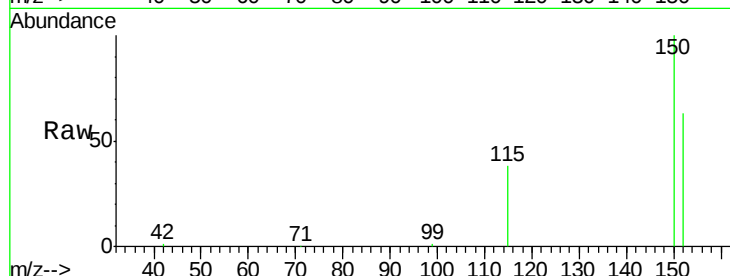
Acq: 22 Oct 2014 23:19

Instrument :

BNA_E

ClientSampleId :

YS19-SS12-1014



Tgt Ion:152 Resp: 26256

Ion Ratio Lower Upper

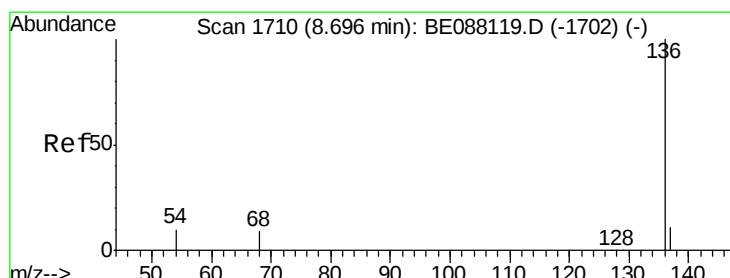
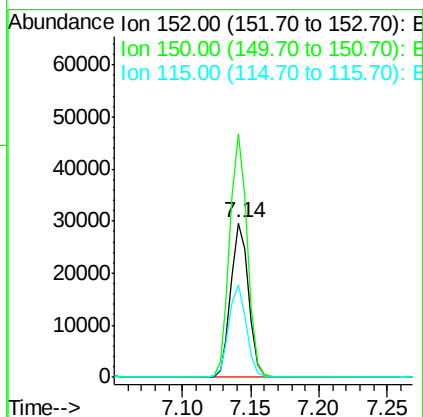
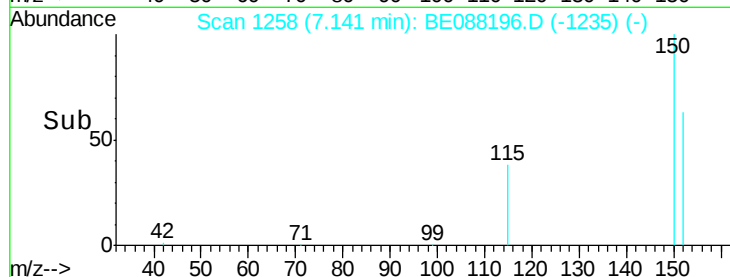
152 100

150 157.7 129.2 193.8

115 60.1 49.3 73.9

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#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.70 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BE088196.D

Acq: 22 Oct 2014 23:19

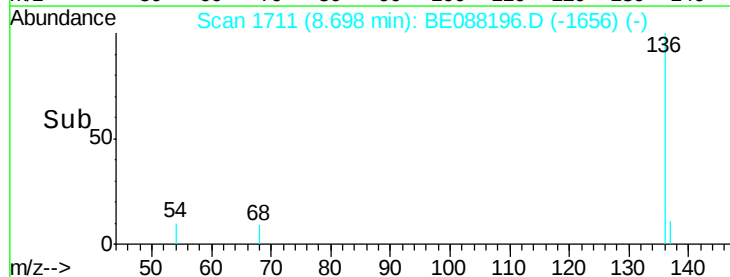
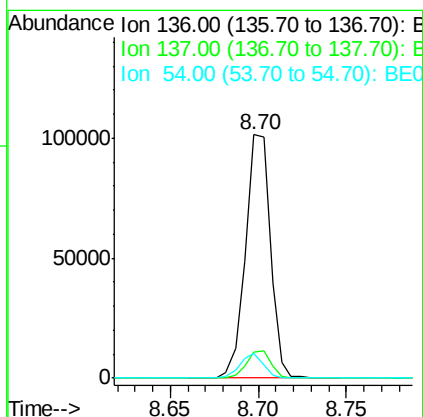
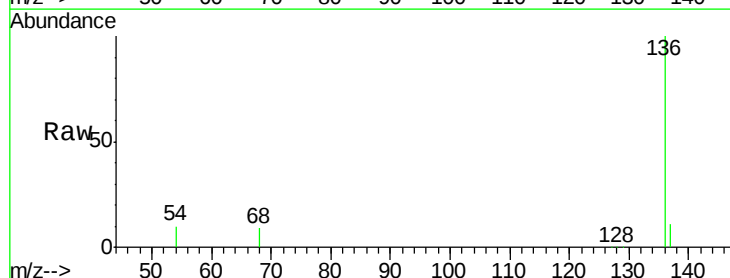
Tgt Ion:136 Resp: 99506

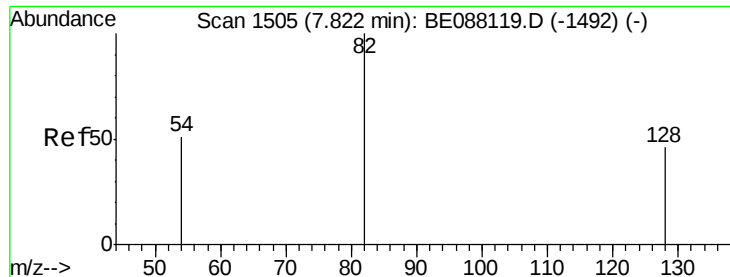
Ion Ratio Lower Upper

136 100

137 10.6 8.6 12.8

54 10.3 7.7 11.5





#4

Nitrobenzene-d5

Concen: 59.13 ng

RT: 7.84 min Scan# 1511

Delta R.T. 0.01 min

Lab File: BE088196.D

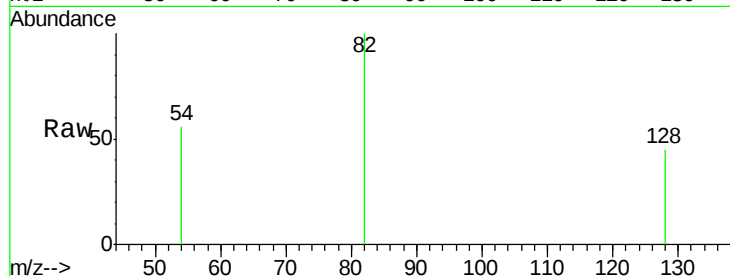
Acq: 22 Oct 2014 23:19

Instrument :

BNA_E

ClientSampleId :

YS19-SS12-1014



Tgt Ion: 82 Resp: 424180

Ion Ratio Lower Upper

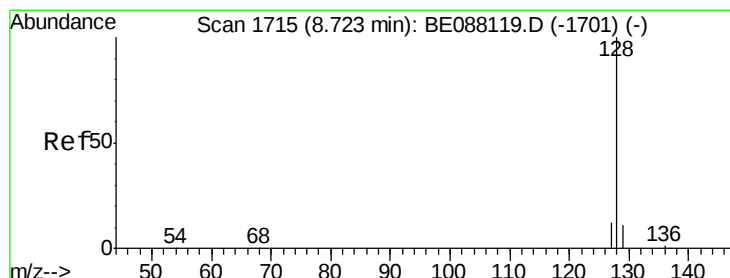
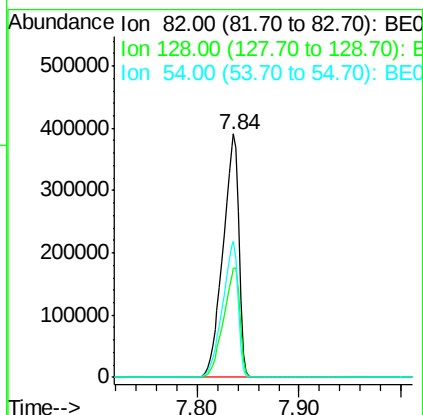
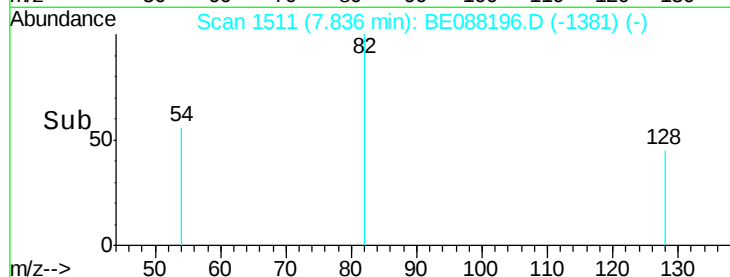
82 100

128 45.1 37.1 55.7

54 55.8 41.1 61.7

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#5

Naphthalene

Concen: 0.04 ng

RT: 8.72 min Scan# 1716

Delta R.T. 0.00 min

Lab File: BE088196.D

Acq: 22 Oct 2014 23:19

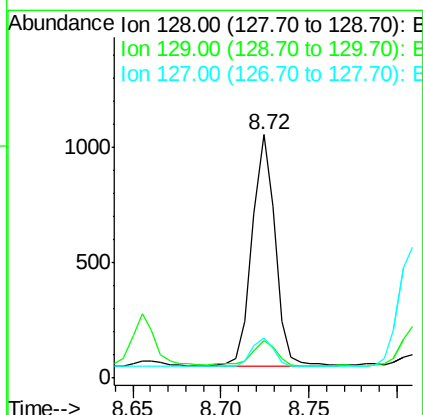
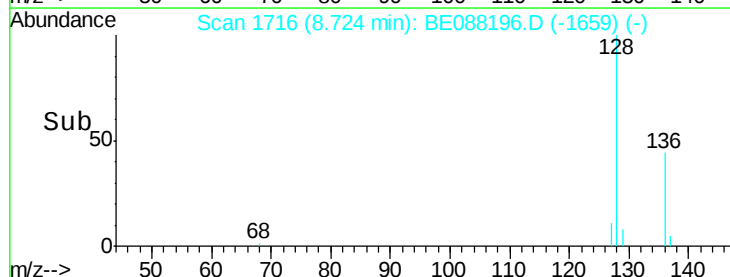
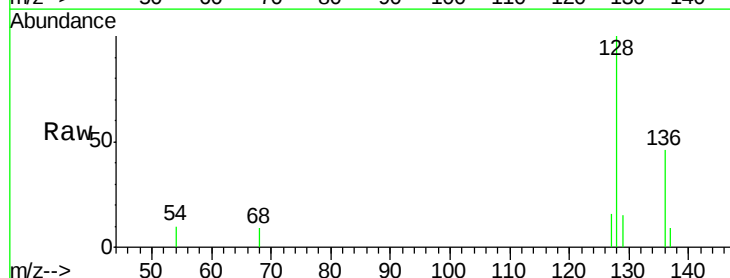
Tgt Ion: 128 Resp: 904

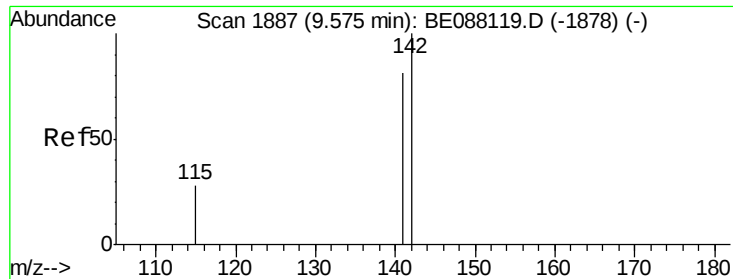
Ion Ratio Lower Upper

128 100

129 15.2 8.9 13.3#

127 16.4 9.7 14.5#





#6

2-Methylnaphthalene

Concen: 0.08 ng

RT: 9.57 min Scan# 1888

Delta R.T. -0.00 min

Lab File: BE088196.D

Acq: 22 Oct 2014 23:19

Instrument :

BNA_E

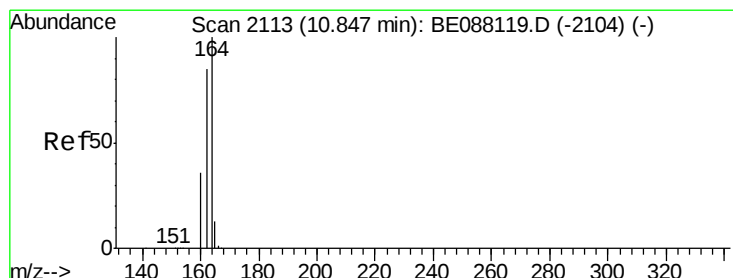
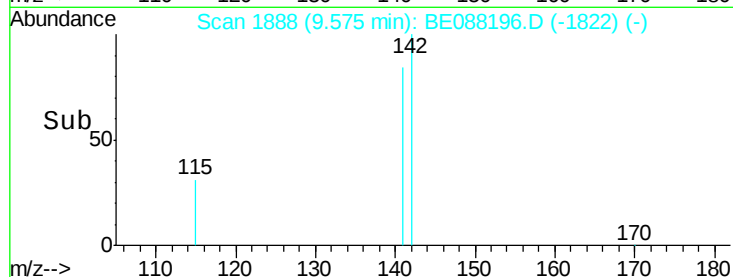
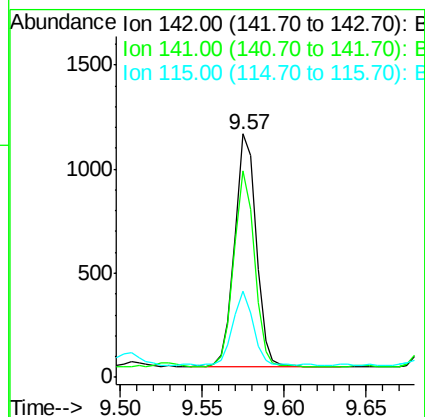
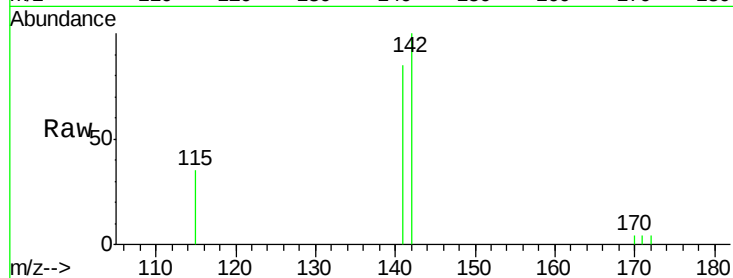
ClientSampleId :

YS19-SS12-1014

Tgt Ion:	142	Resp:	1018
Ion Ratio	Lower	Upper	
142	100		
141	84.7	64.6	97.0
115	35.2	22.6	34.0#

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#7

Acenaphthene-d10

Concen: 5.00 ng

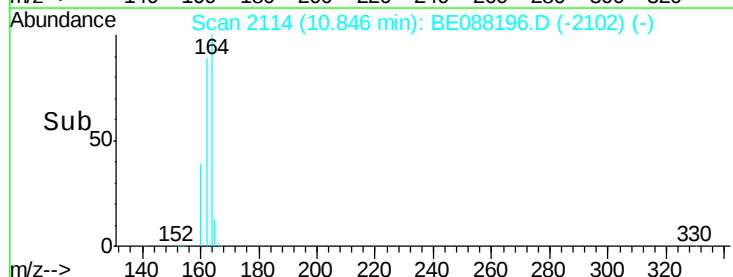
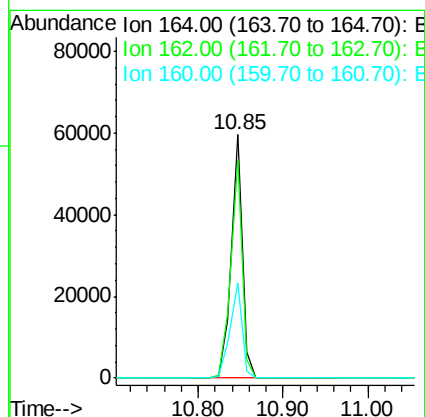
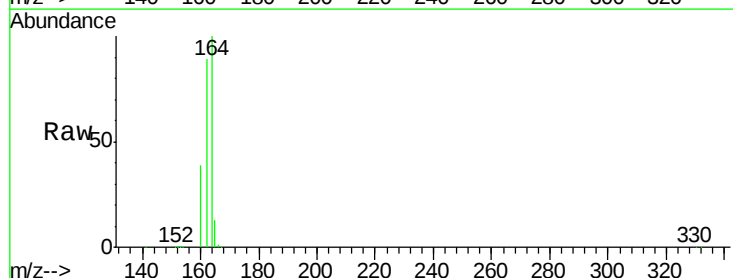
RT: 10.85 min Scan# 2114

Delta R.T. -0.00 min

Lab File: BE088196.D

Acq: 22 Oct 2014 23:19

Tgt Ion:	164	Resp:	53133
Ion Ratio	Lower	Upper	
164	100		
162	89.3	68.3	102.5
160	39.0	28.7	43.1





#8

2-Fluorobiphenyl

Concen: 35.38 ng

RT: 10.04 min Scan# 1991

Delta R.T. 0.01 min

Lab File: BE088196.D

Acq: 22 Oct 2014 23:19

Instrument :

BNA_E

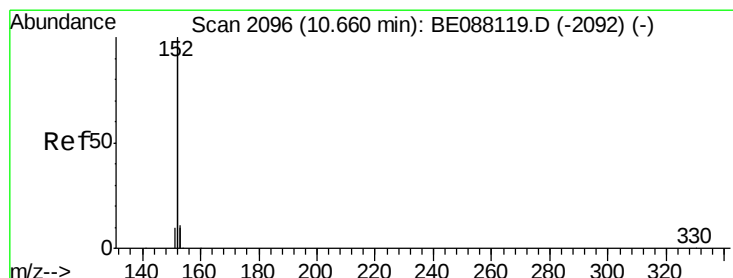
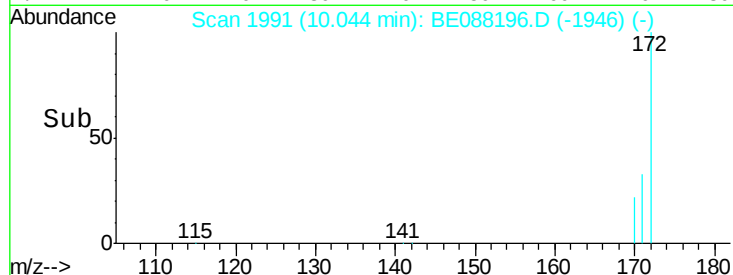
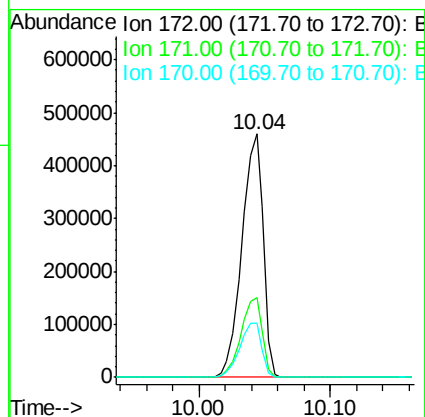
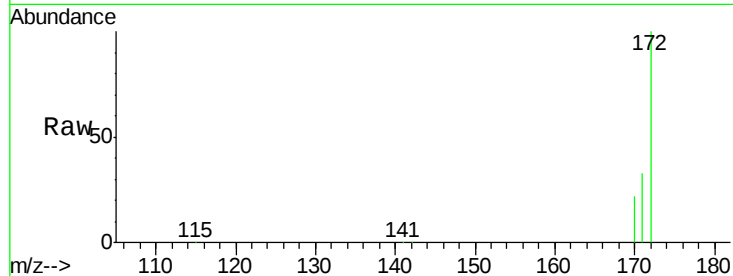
ClientSampleId :

YS19-SS12-1014

Tgt Ion:	172	Resp:	519310
Ion Ratio	Lower	Upper	
172	100		
171	32.7	25.4	38.2
170	22.1	17.4	26.2

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#9

Acenaphthylene

Concen: 0.12 ng

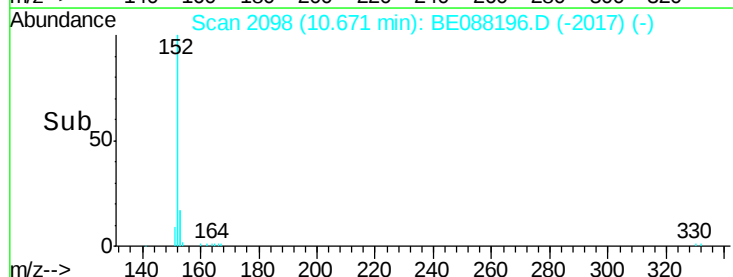
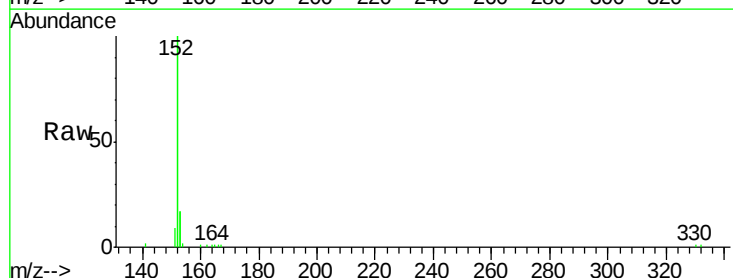
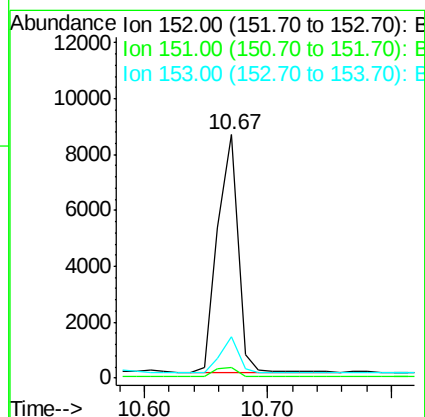
RT: 10.67 min Scan# 2098

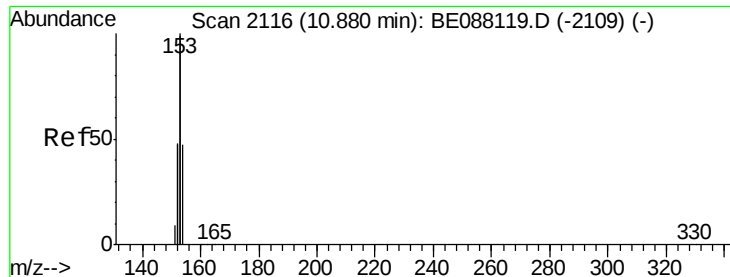
Delta R.T. 0.01 min

Lab File: BE088196.D

Acq: 22 Oct 2014 23:19

Tgt Ion:	152	Resp:	9670
Ion Ratio	Lower	Upper	
152	100		
151	4.7	3.7	5.5
153	13.4	10.4	15.6





#10

Acenaphthene

Concen: 0.22 ng

RT: 10.88 min Scan# 2117

Delta R.T. -0.00 min

Lab File: BE088196.D

Acq: 22 Oct 2014 23:19

Instrument :

BNA_E

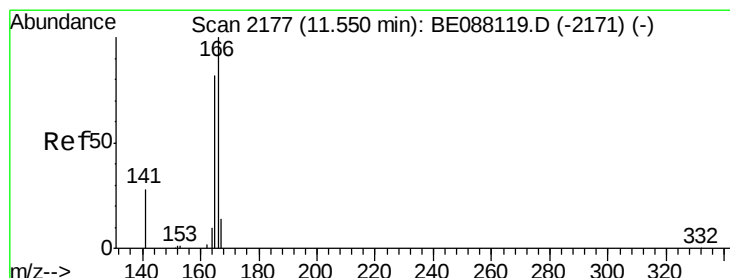
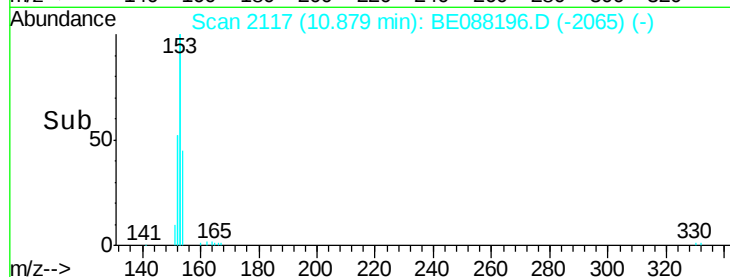
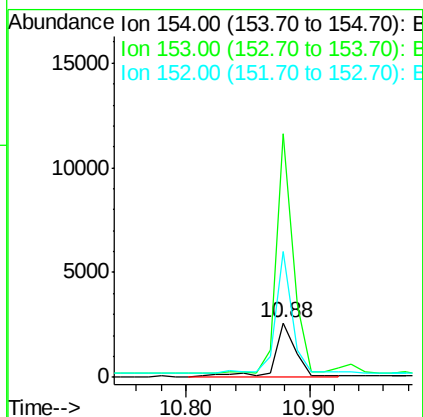
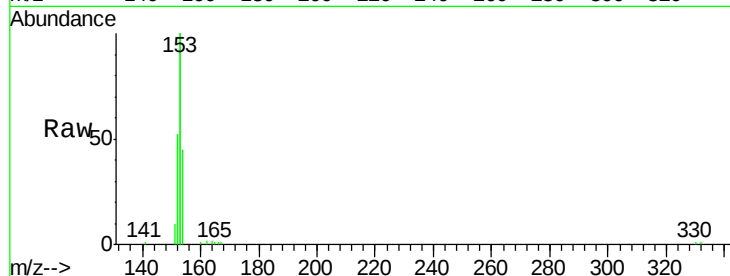
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Tgt Ion:	154	Resp:	2753
Ion Ratio	Lower	Upper	
154	100		
153	377.6	327.8	491.6
152	192.8	157.6	236.4



#11

Fluorene

Concen: 0.20 ng

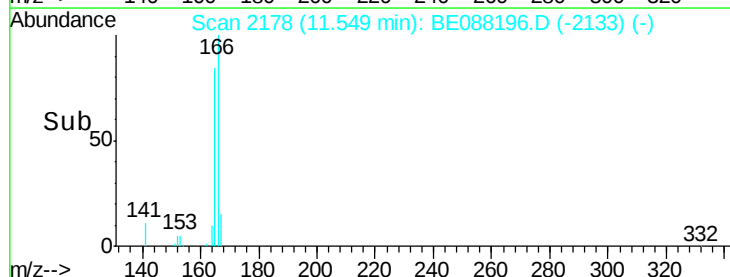
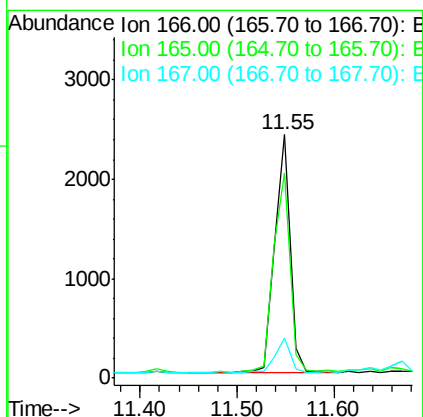
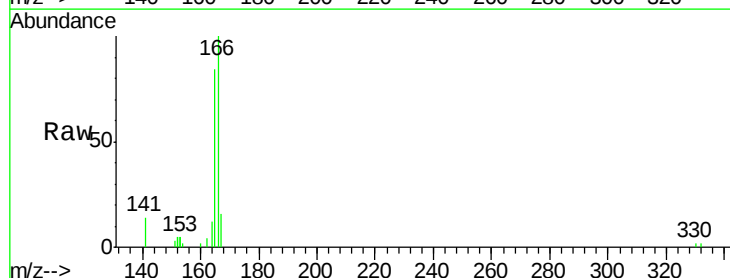
RT: 11.55 min Scan# 2178

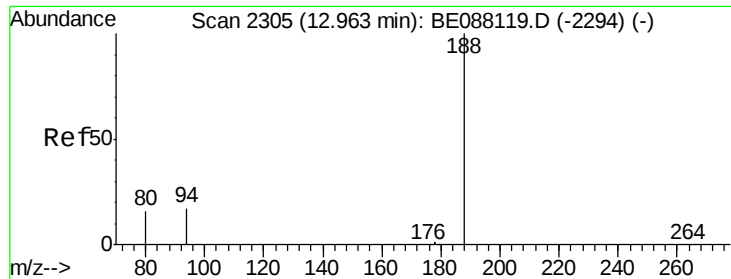
Delta R.T. -0.00 min

Lab File: BE088196.D

Acq: 22 Oct 2014 23:19

Tgt Ion:	166	Resp:	2675
Ion Ratio	Lower	Upper	
166	100		
165	89.6	71.4	107.2
167	14.5	10.6	16.0





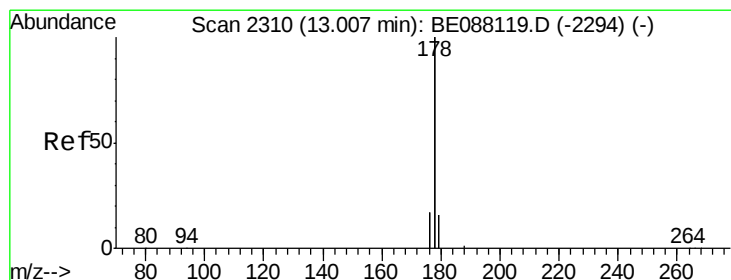
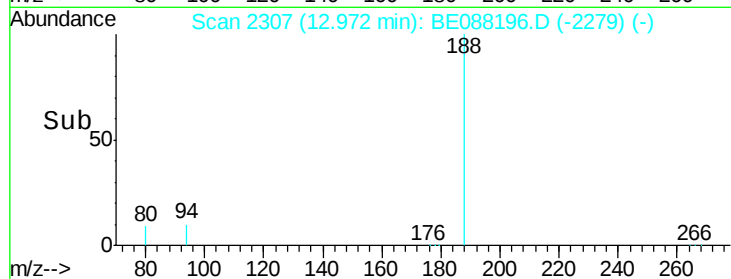
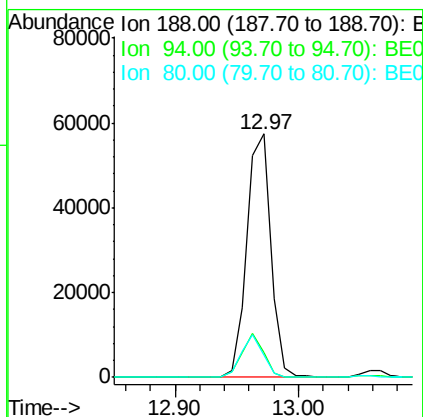
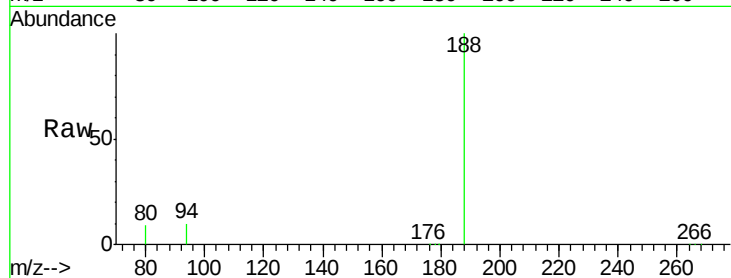
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.97 min Scan# 2307
Delta R.T. 0.01 min
Lab File: BE088196.D
Acq: 22 Oct 2014 23:19

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Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	13.9	20.9#
80	9.1	12.9	19.3#

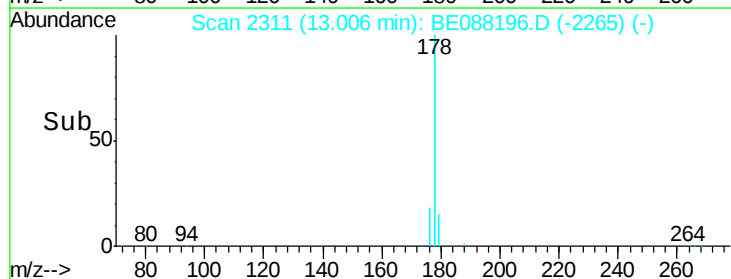
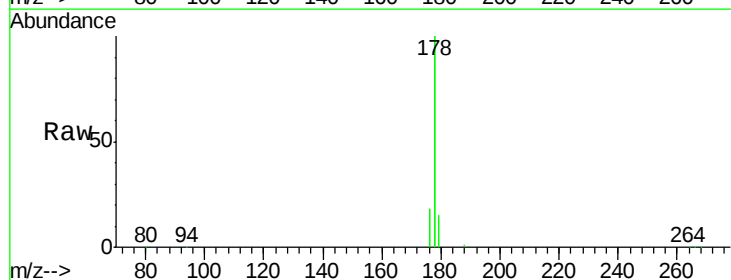
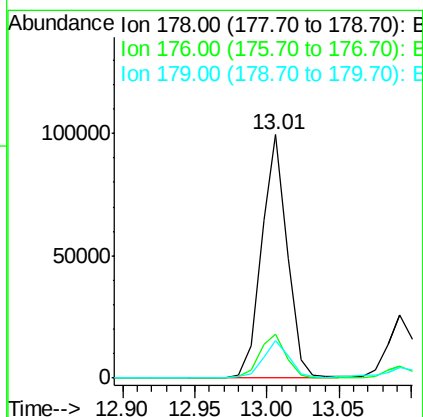
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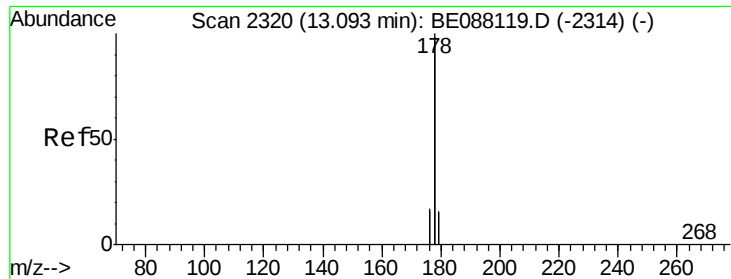
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#13
Phenanthrene
Concen: 1.99 ng
RT: 13.01 min Scan# 2311
Delta R.T. 0.00 min
Lab File: BE088196.D
Acq: 22 Oct 2014 23:19

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	12.5	18.7#
179	16.1	13.5	20.3





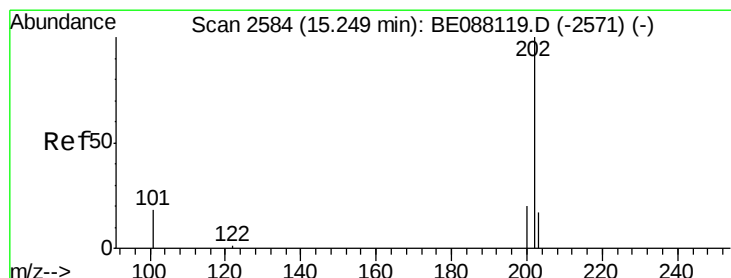
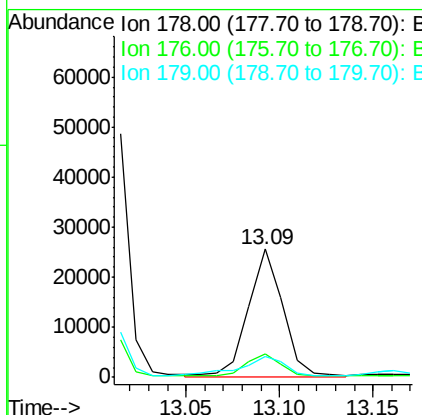
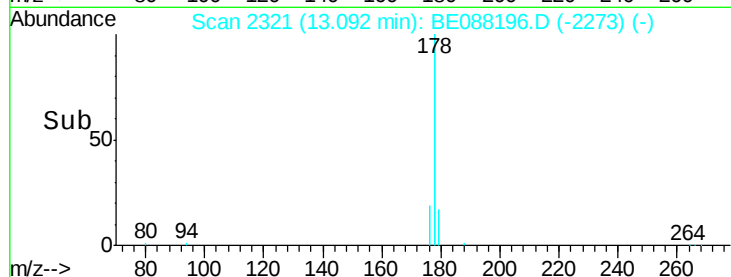
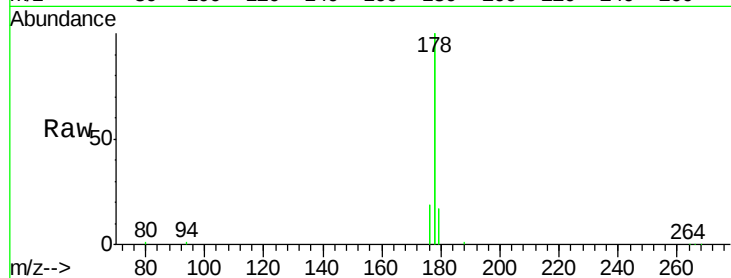
#14
 Anthracene
 Concen: 0.56 ng m
 RT: 13.09 min Scan# 2321
 Delta R.T. -0.00 min
 Lab File: BE088196.D
 Acq: 22 Oct 2014 23:19

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS12-1014

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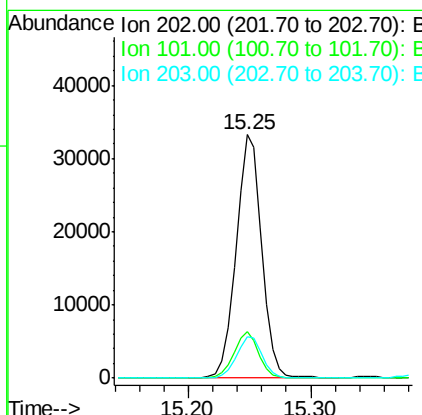
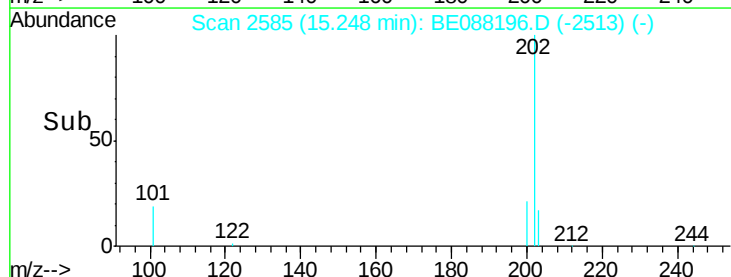
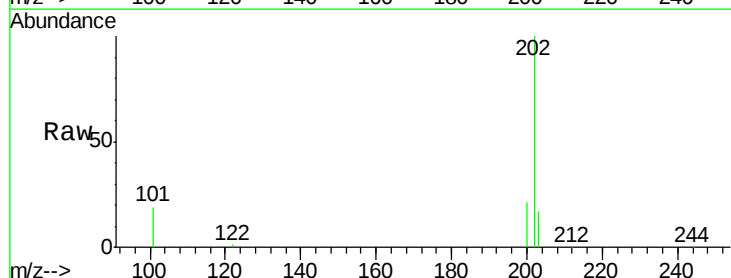
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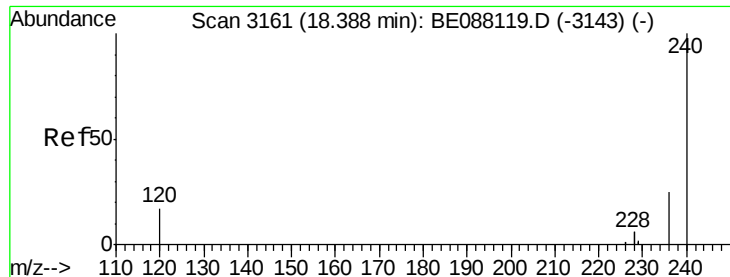
Tgt Ion	Ratio	Lower	Upper
178	100		
176	67.6	14.6	21.8#
179	57.8	12.5	18.7#



#15
 Fluoranthene
 Concen: 3.27 ng
 RT: 15.25 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: BE088196.D
 Acq: 22 Oct 2014 23:19

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.4	14.8	22.2
203	17.2	13.5	20.3





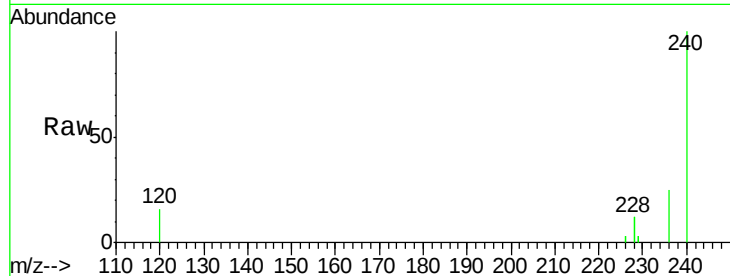
#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.39 min Scan# 3162
Delta R.T. 0.00 min
Lab File: BE088196.D
Acq: 22 Oct 2014 23:19

Instrument :
BNA_E
ClientSampleId :
YS19-SS12-1014

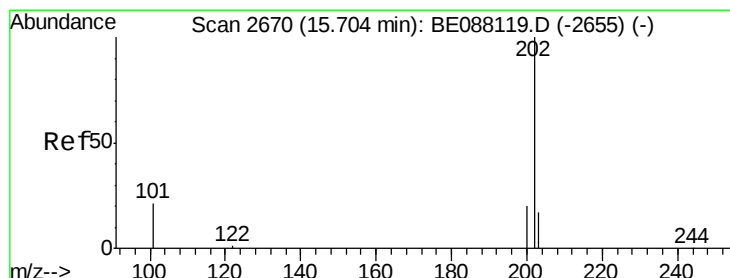
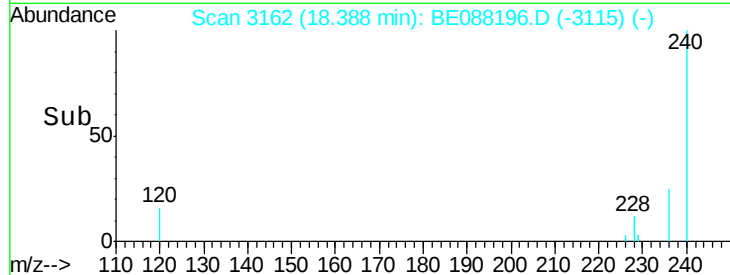
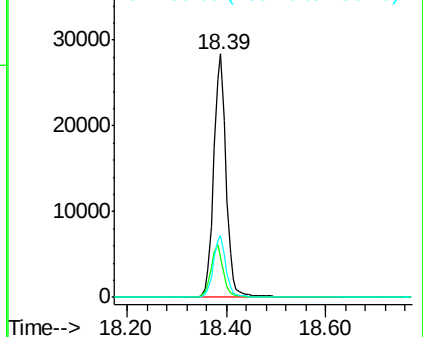
Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.4	13.9	20.9
236	25.2	19.9	29.9

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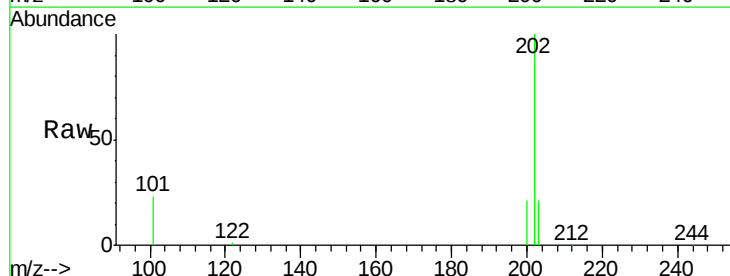


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

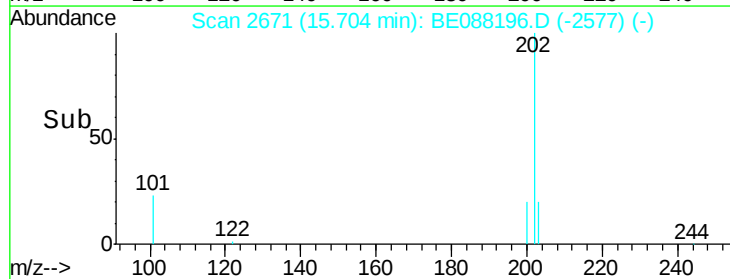
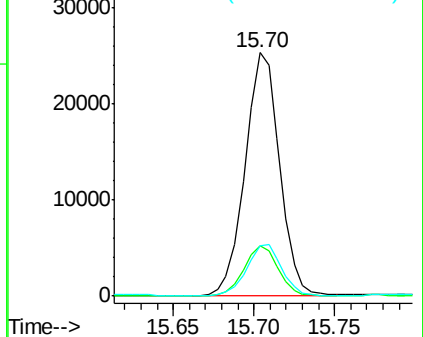


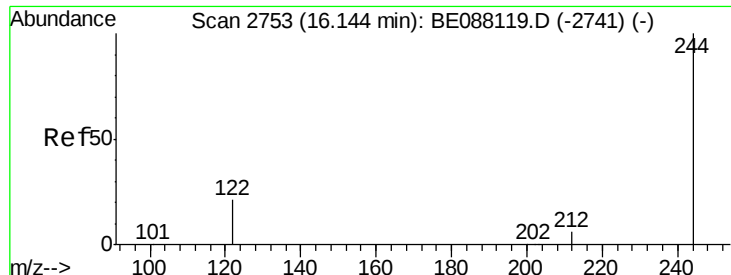
#17
Pyrene
Concen: 2.87 ng m
RT: 15.70 min Scan# 2671
Delta R.T. -0.00 min
Lab File: BE088196.D
Acq: 22 Oct 2014 23:19

Tgt Ion	Ratio	Lower	Upper
202	100		
200	25.3	16.1	24.1#
203	21.8	13.9	20.9#



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





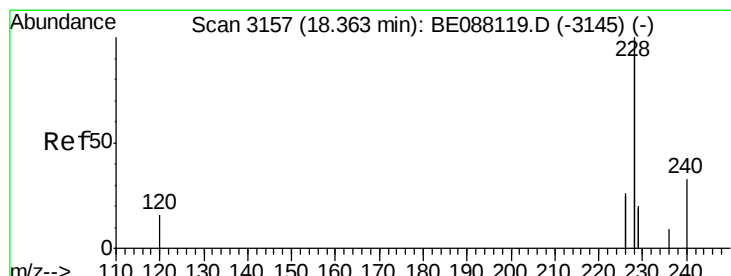
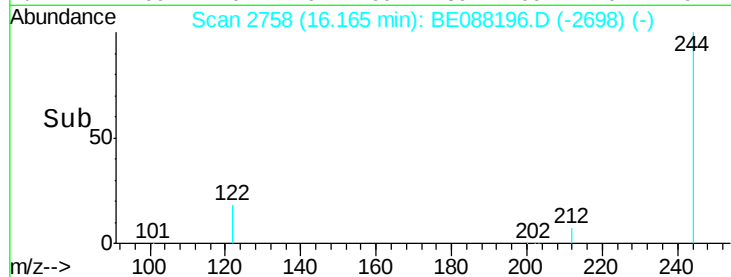
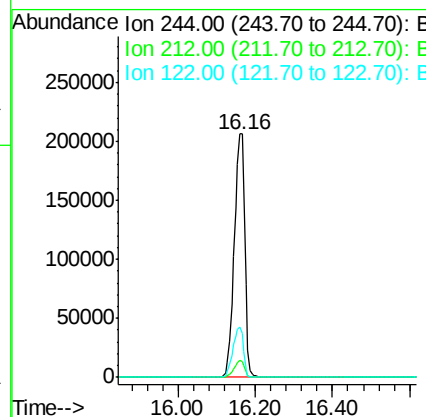
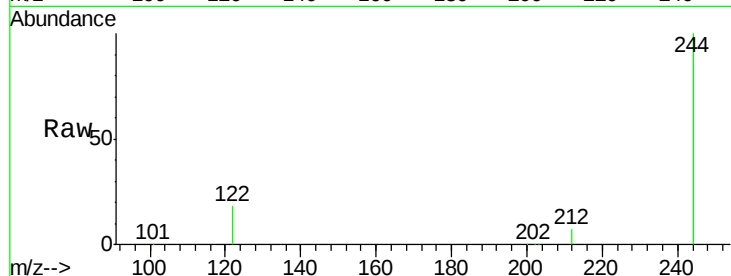
#18
 Terphenyl-d14
 Concen: 50.17 ng
 RT: 16.16 min Scan# 2758
 Delta R.T. 0.02 min
 Lab File: BE088196.D
 Acq: 22 Oct 2014 23:19

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS12-1014

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.6	5.4	8.0
122	18.1	17.5	26.3

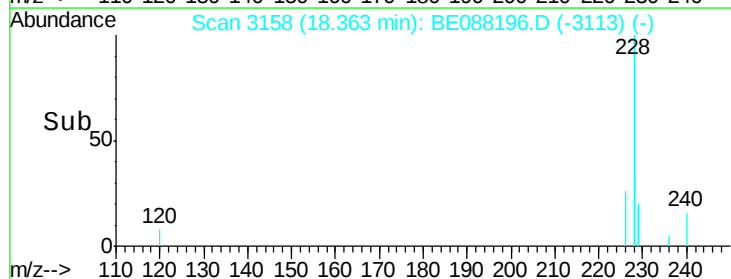
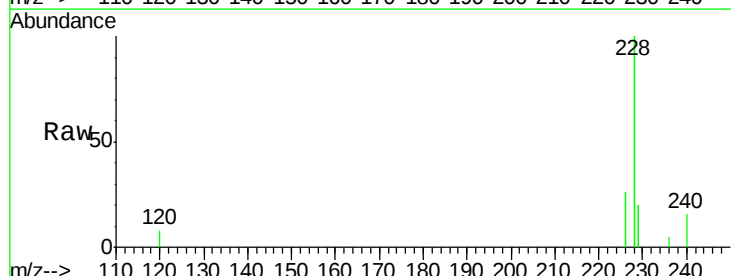
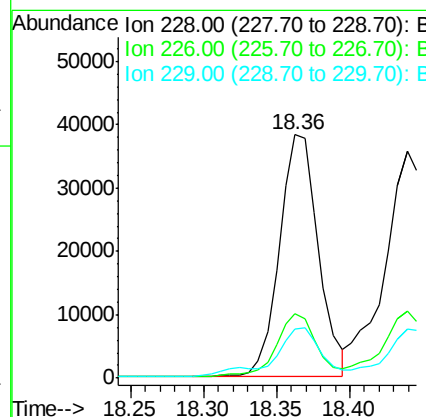
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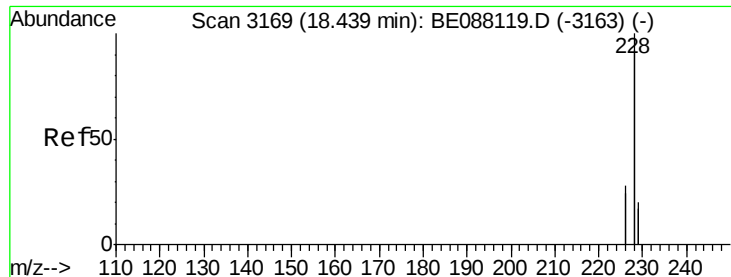
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#19
 Benzo(a)anthracene
 Concen: 1.64 ng
 RT: 18.36 min Scan# 3158
 Delta R.T. 0.00 min
 Lab File: BE088196.D
 Acq: 22 Oct 2014 23:19

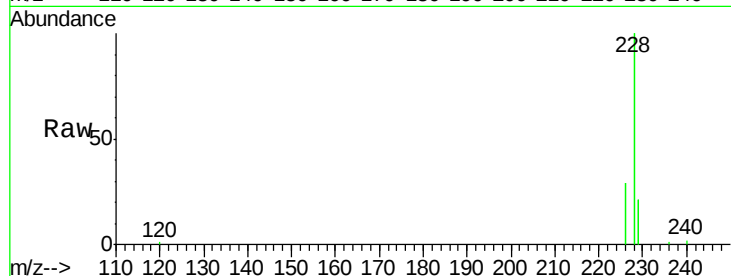
Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	26.4	20.8	31.2
229	20.1	15.6	23.4





#20
Chrysene
Concen: 1.77 ng
RT: 18.44 min Scan# 3170
Delta R.T. 0.00 min
Lab File: BE088196.D
Acq: 22 Oct 2014 23:19

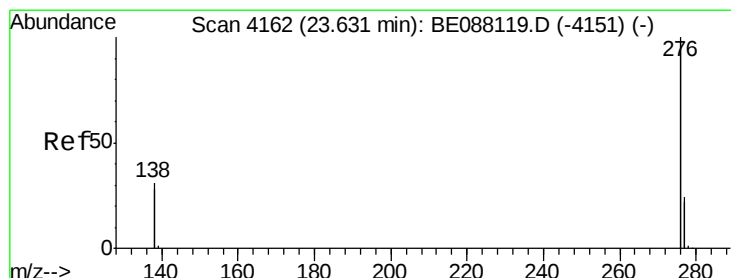
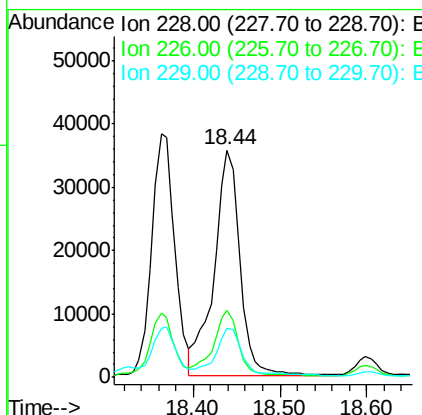
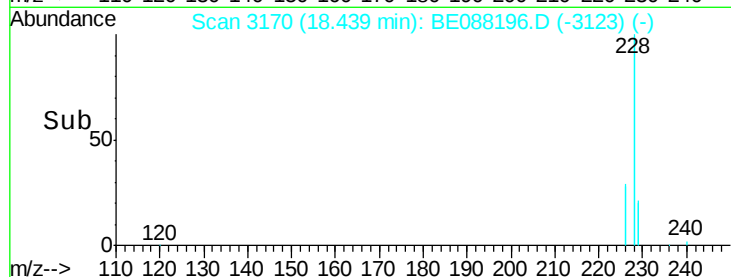
Instrument :
BNA_E
ClientSampleId :
YS19-SS12-1014



Tgt Ion: 228 Resp: 74755
Ion Ratio Lower Upper
228 100
226 29.4 22.7 34.1
229 21.3 15.8 23.6

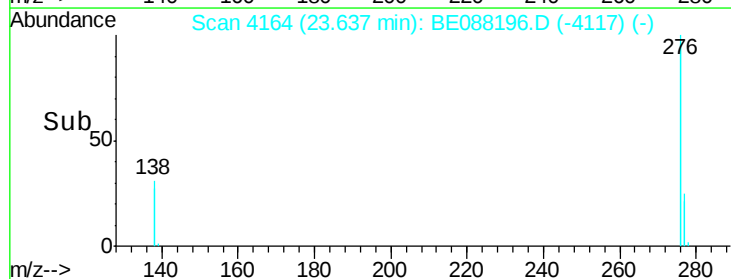
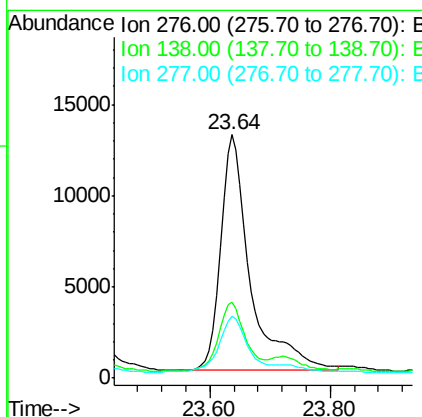
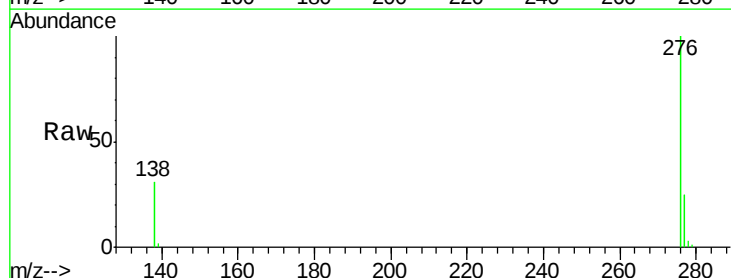
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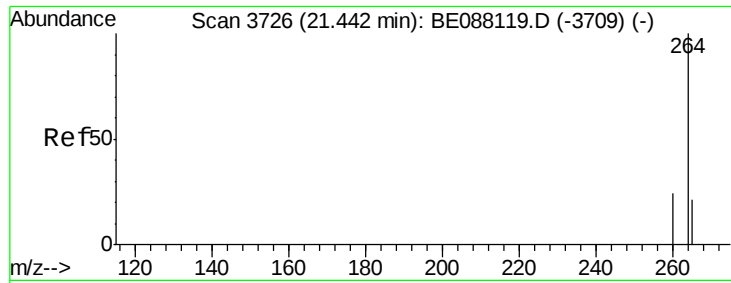
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#21
Indeno(1,2,3-cd)pyrene
Concen: 0.96 ng
RT: 23.64 min Scan# 4164
Delta R.T. 0.01 min
Lab File: BE088196.D
Acq: 22 Oct 2014 23:19

Tgt Ion: 276 Resp: 45013
Ion Ratio Lower Upper
276 100
138 25.6 18.5 27.7
277 21.9 14.6 21.8#





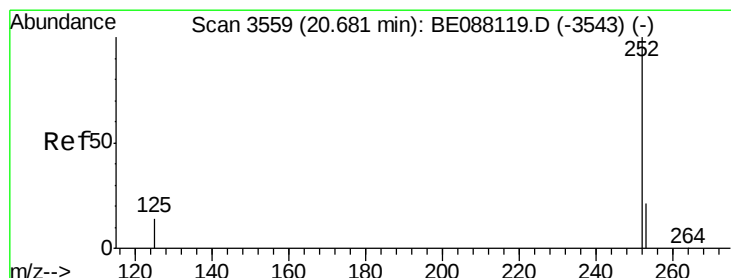
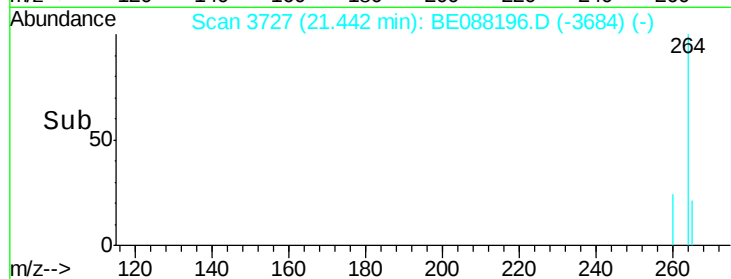
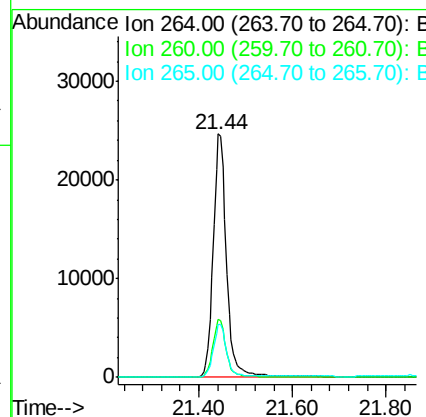
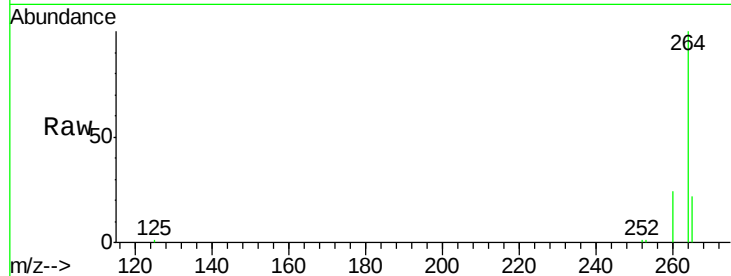
#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.44 min Scan# 3727
 Delta R.T. -0.00 min
 Lab File: BE088196.D
 Acq: 22 Oct 2014 23:19

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS12-1014

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	21.5	17.2	25.8

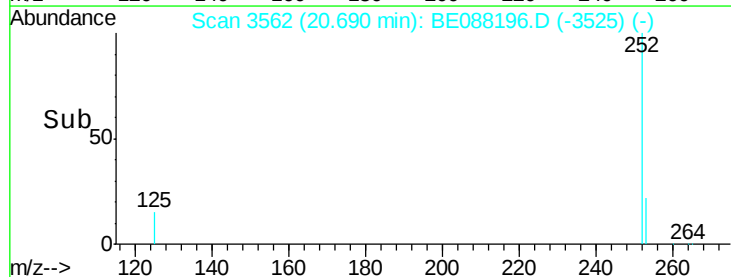
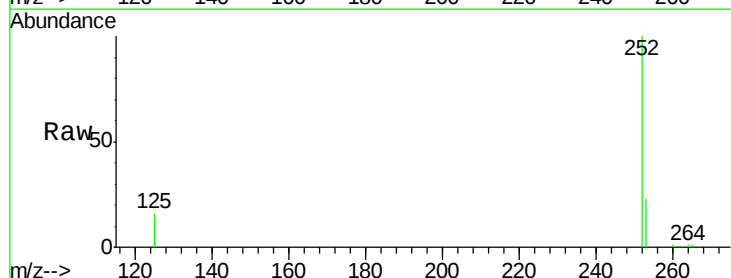
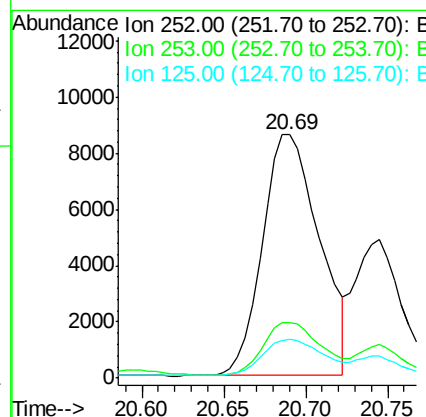
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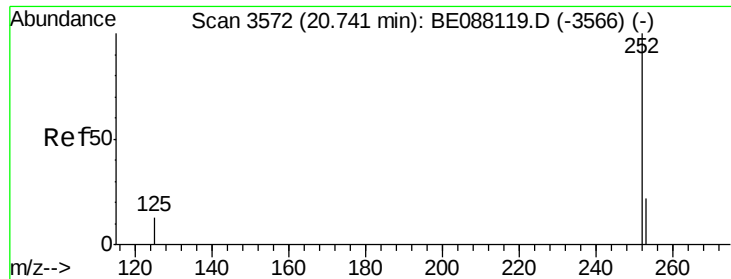
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#23
 Benzo(b)fluoranthene
 Concen: 1.80 ng
 RT: 20.69 min Scan# 3562
 Delta R.T. 0.01 min
 Lab File: BE088196.D
 Acq: 22 Oct 2014 23:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.0
125	16.2	11.8	17.8





#24

Benzo(k)fluoranthene

Concen: 0.77 ng

RT: 20.74 min Scan# 3574

Delta R.T. 0.00 min

Lab File: BE088196.D

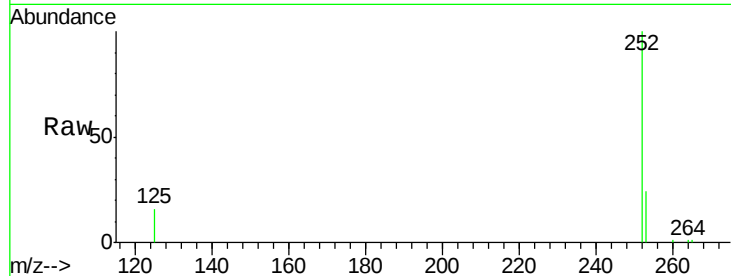
Acq: 22 Oct 2014 23:19

Instrument :

BNA_E

ClientSampleId :

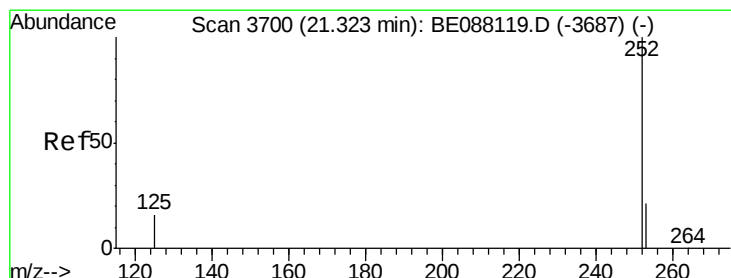
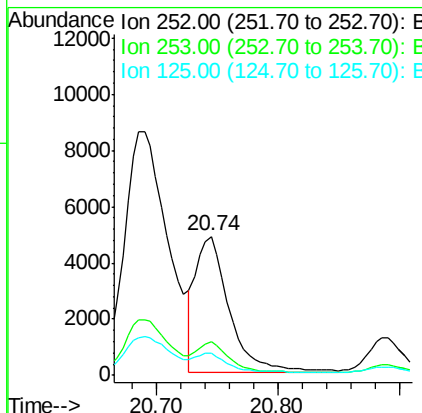
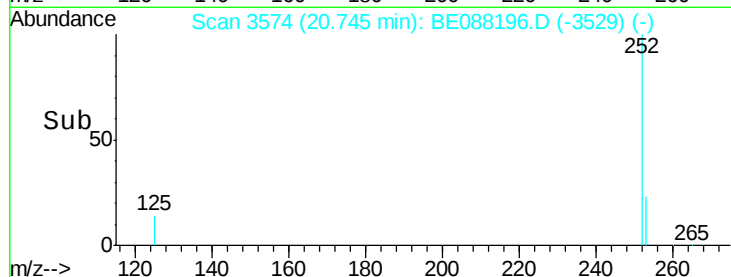
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.6	26.4
125	15.6	11.5	17.3

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#25

Benzo(a)pyrene

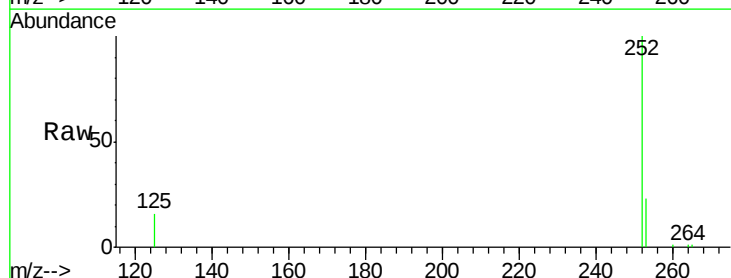
Concen: 1.35 ng

RT: 21.33 min Scan# 3702

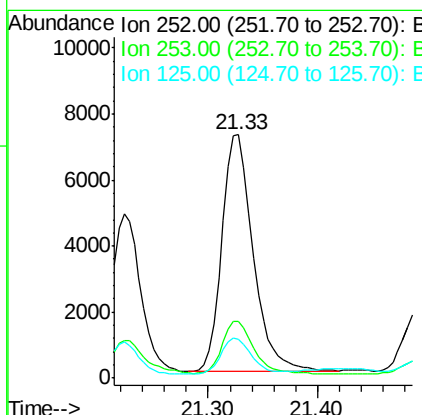
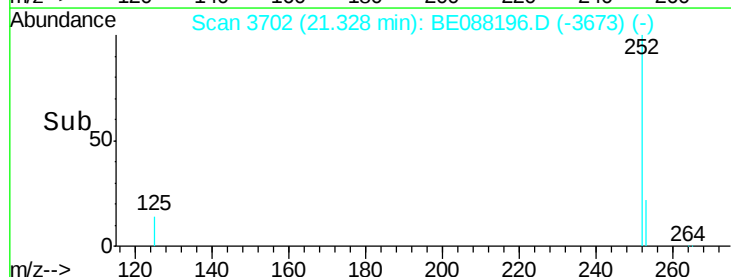
Delta R.T. 0.00 min

Lab File: BE088196.D

Acq: 22 Oct 2014 23:19



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	15.9	13.0	19.6





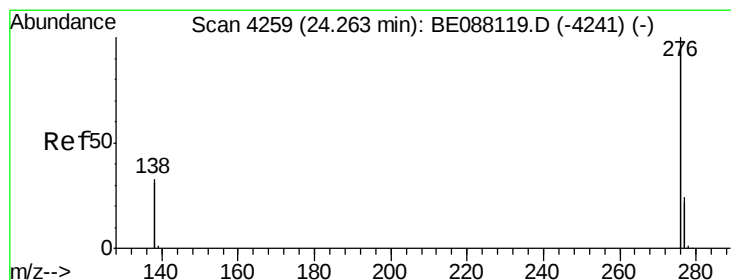
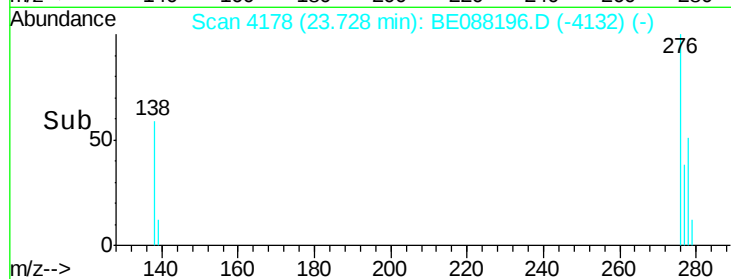
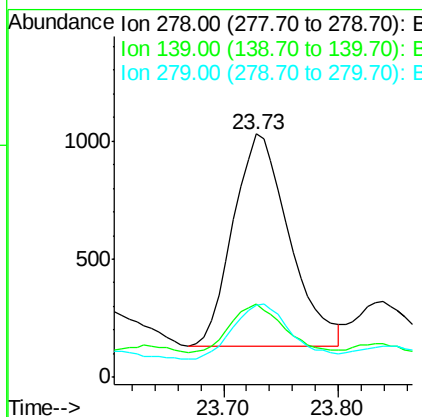
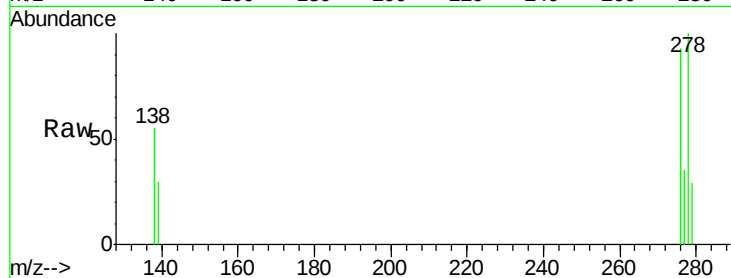
#26
Dibenzo(a,h)anthracene
Concen: 0.30 ng
RT: 23.73 min Scan# 4178
Delta R.T. -0.00 min
Lab File: BE088196.D
Acq: 22 Oct 2014 23:19

Instrument :
BNA_E
ClientSampleId :
YS19-SS12-1014

Tgt Ion	Ratio	Lower	Upper
278	100		
139	30.1	20.9	31.3
279	29.5	19.8	29.8

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#27
Benzo(g,h,i)perylene
Concen: 0.92 ng
RT: 24.27 min Scan# 4261
Delta R.T. 0.01 min
Lab File: BE088196.D
Acq: 22 Oct 2014 23:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.2	28.8
138	33.7	26.6	40.0

