

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
 Data File : BE088173.D
 Acq On : 22 Oct 2014 9:42
 Operator : TP/JJ
 Sample : F4312-05 25X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB26-1014

Manual Integrations
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mohammad
 10/22/2014 1:56:24 PM

Quant Time: Oct 22 11:23:19 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	20903	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	82853	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	44137	5.00	ng	0.00
12) Phenanthrene-d10	12.97	188	69576	5.00	ng	0.00
16) Chrysene-d12	18.38	240	48582	5.00	ng	0.00
22) Perylene-d12	21.44	264	43430	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.82	82	18412	3.08	ng	0.00
8) 2-Fluorobiphenyl	10.04	172	42039	3.45	ng	0.00
18) Terphenyl-d14	16.15	244	34360	4.40	ng	0.00
Target Compounds						Qvalue
5) Naphthalene	8.72	128	3139	0.18	ng	98
6) 2-Methylnaphthalene	9.58	142	862	0.08	ng	# 94
9) Acenaphthylene	10.67	152	1777	0.03	ng	# 76
10) Acenaphthene	10.88	154	3934	0.38	ng	98
11) Fluorene	11.55	166	3923	0.36	ng	98
13) Phenanthrene	13.01	178	281814	5.52	ng	95
14) Anthracene	13.09	178	58948m	1.09	ng	
15) Fluoranthene	15.25	202	74472	5.63	ng	99
17) Pyrene	15.70	202	59413m	4.50	ng	
19) Benzo(a)anthracene	18.36	228	95534	2.21	ng	99
20) Chrysene	18.44	228	99731	2.35	ng	97
21) Indeno(1,2,3-cd)pyrene	23.63	276	45667	0.97	ng	# 88
23) Benzo(b)fluoranthene	20.69	252	25519	2.47	ng	98
24) Benzo(k)fluoranthene	20.74	252	10914	0.99	ng	97
25) Benzo(a)pyrene	21.32	252	17042	1.79	ng	98
26) Dibenzo(a,h)anthracene	23.72	278	2263	0.24	ng	# 89
27) Benzo(g,h,i)perylene	24.26	276	43592	1.06	ng	99

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

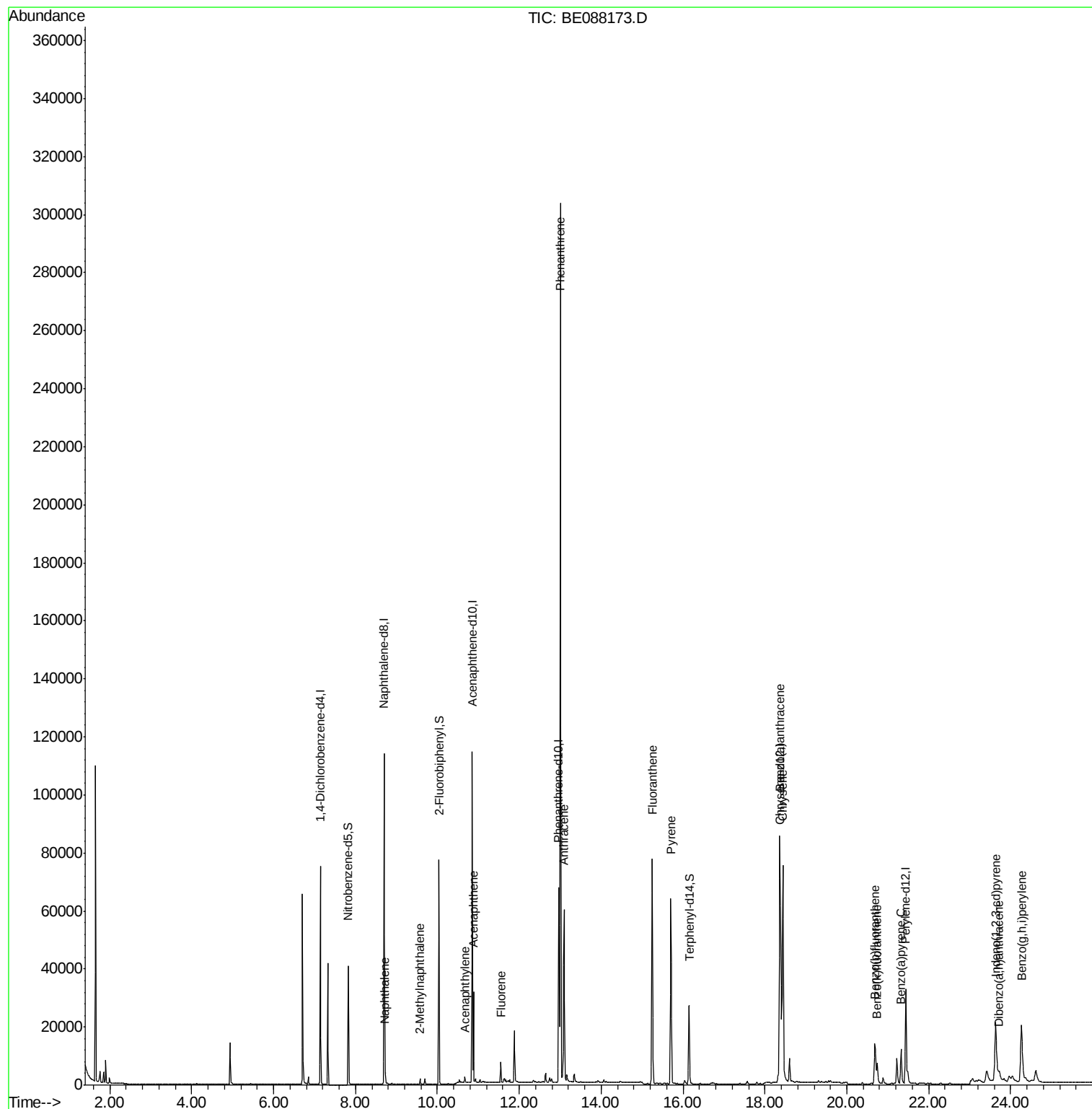
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
Data File : BE088173.D
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ALS Vial : 31 Sample Multiplier: 1

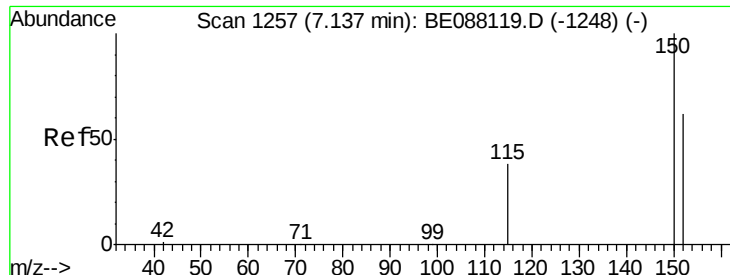
Instrument :
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ClientSampleId :
YS19-SB26-1014

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Quant Time: Oct 22 11:23:19 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
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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: BE088173.D

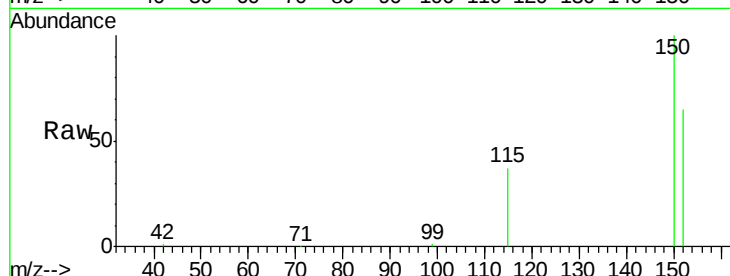
Acq: 22 Oct 2014 9:42

Instrument :

BNA_E

ClientSampleId :

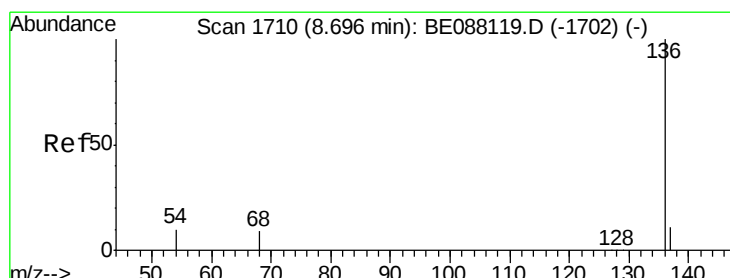
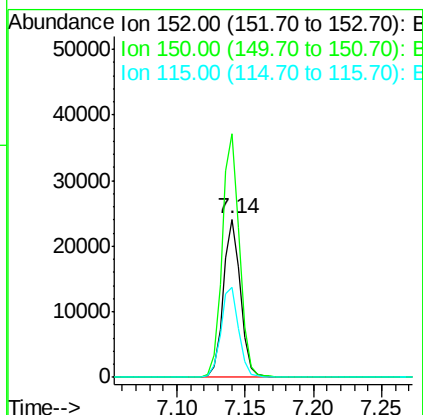
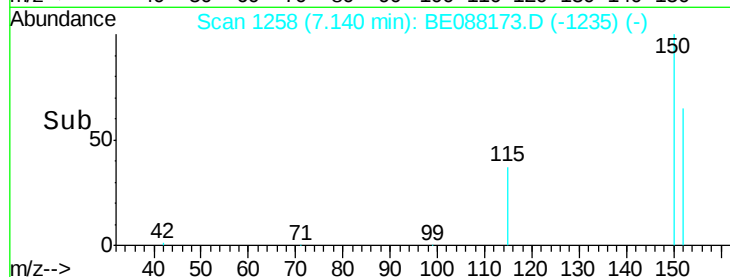
YS19-SB26-1014



Tgt Ion:	152	Resp:	20903
Ion Ratio	Lower	Upper	
152	100		
150	154.2	129.2	193.8
115	56.6	49.3	73.9

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#3

Naphthalene-d8

Concen: 5.00 ng

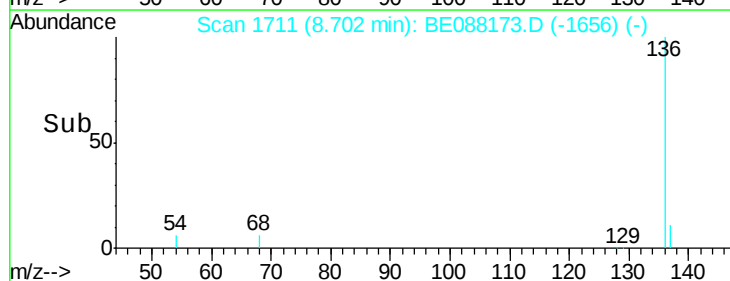
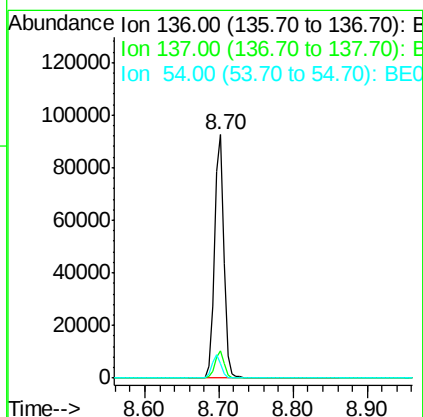
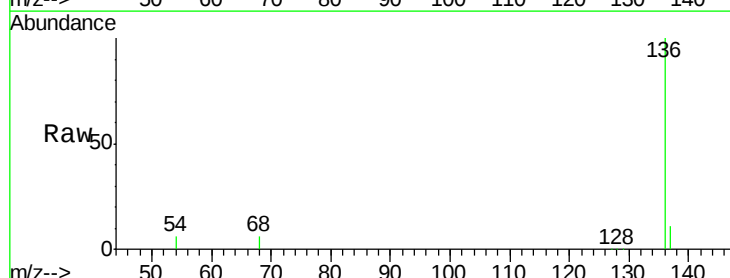
RT: 8.70 min Scan# 1711

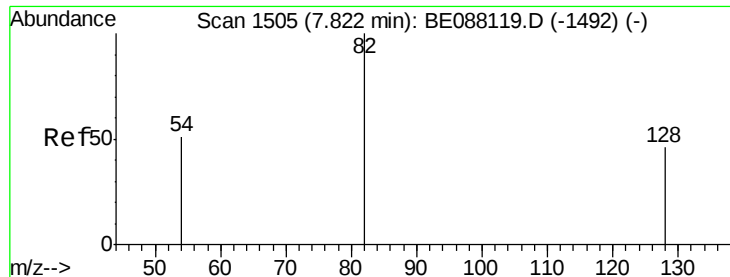
Delta R.T. 0.01 min

Lab File: BE088173.D

Acq: 22 Oct 2014 9:42

Tgt Ion:	136	Resp:	82853
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.6	12.8
54	6.1	7.7	11.5#





#4

Nitrobenzene-d5

Concen: 3.08 ng

RT: 7.82 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BE088173.D

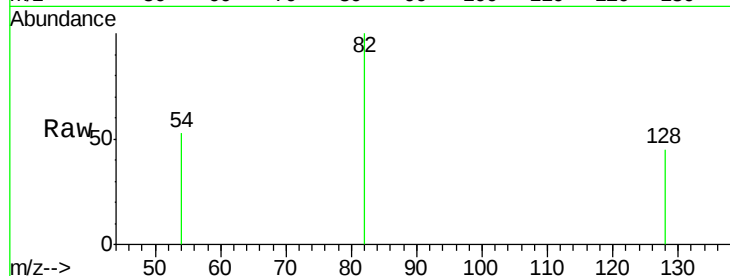
Acq: 22 Oct 2014 9:42

Instrument :

BNA_E

ClientSampleId :

YS19-SB26-1014



Tgt Ion: 82 Resp: 18412

Ion Ratio Lower Upper

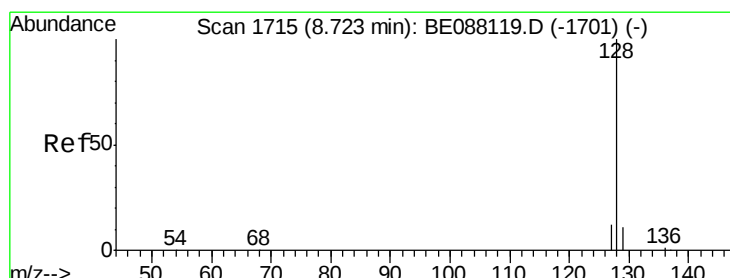
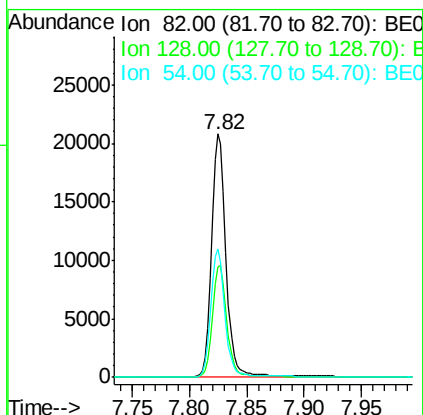
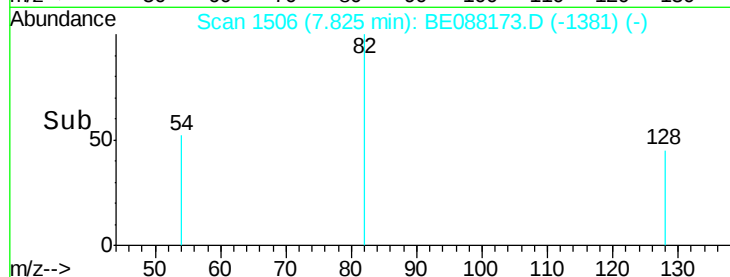
82 100

128 45.2 37.1 55.7

54 52.6 41.1 61.7

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#5

Naphthalene

Concen: 0.18 ng

RT: 8.72 min Scan# 1715

Delta R.T. 0.00 min

Lab File: BE088173.D

Acq: 22 Oct 2014 9:42

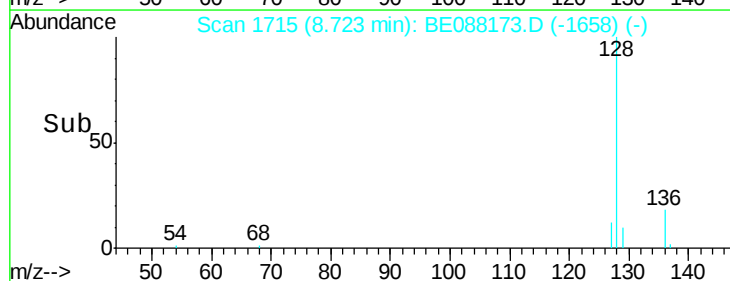
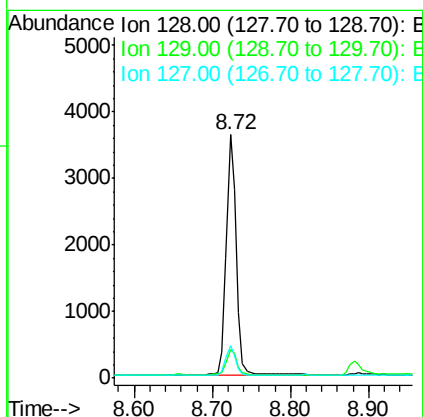
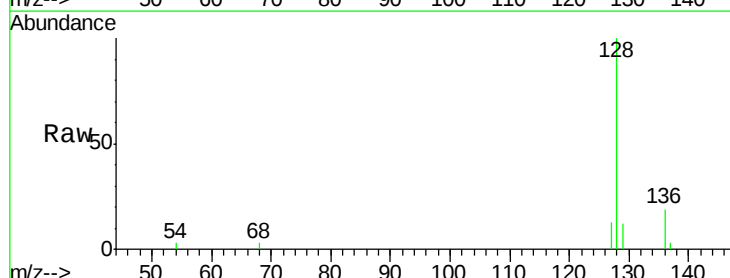
Tgt Ion: 128 Resp: 3139

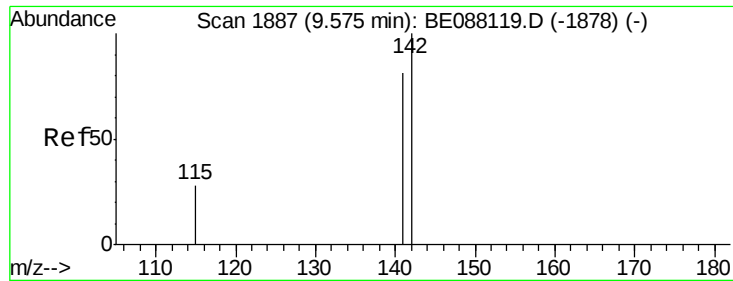
Ion Ratio Lower Upper

128 100

129 11.7 8.9 13.3

127 13.1 9.7 14.5





#6

2-Methylnaphthalene

Concen: 0.08 ng

RT: 9.58 min Scan# 1887

Delta R.T. 0.00 min

Lab File: BE088173.D

Acq: 22 Oct 2014 9:42

Instrument :

BNA_E

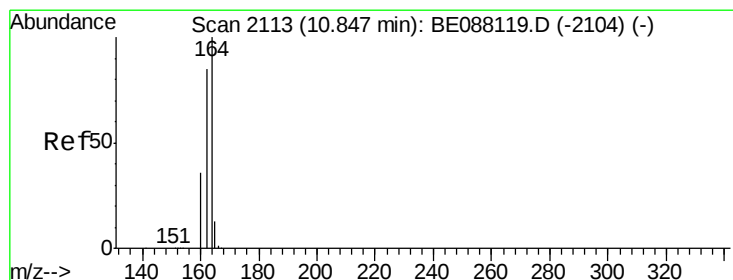
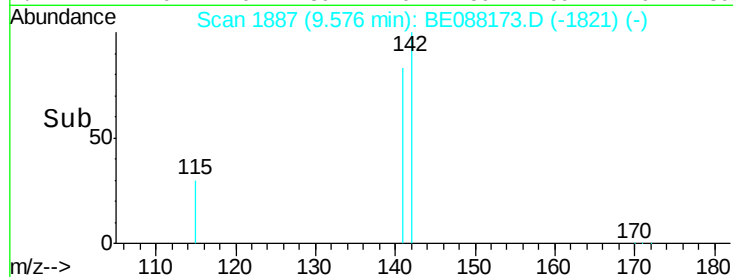
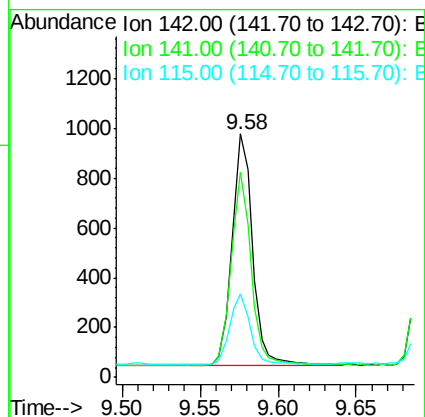
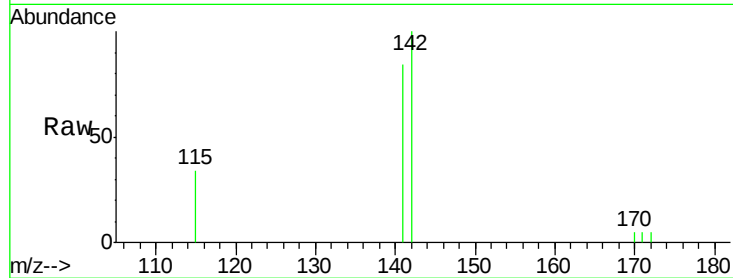
ClientSampleId :

YS19-SB26-1014

Tgt Ion:	142	Resp:	862
Ion Ratio	Lower	Upper	
142	100		
141	84.2	64.6	97.0
115	34.2	22.6	34.0#

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#7

Acenaphthene-d10

Concen: 5.00 ng

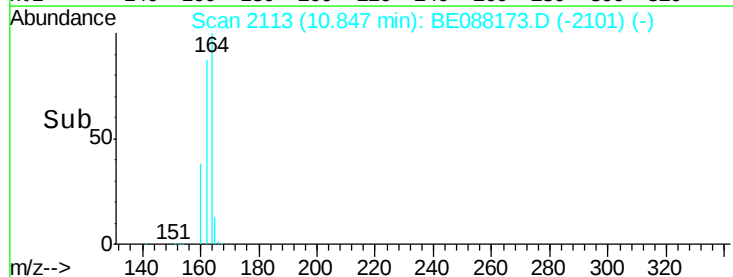
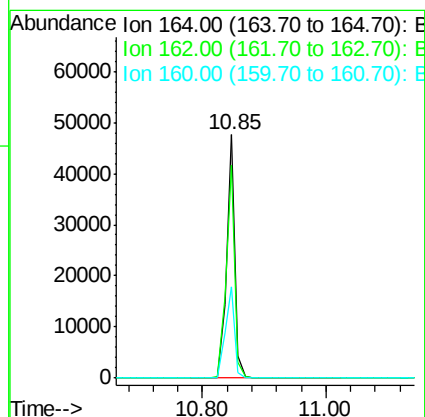
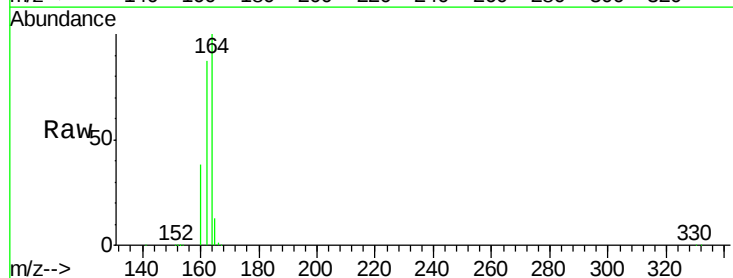
RT: 10.85 min Scan# 2113

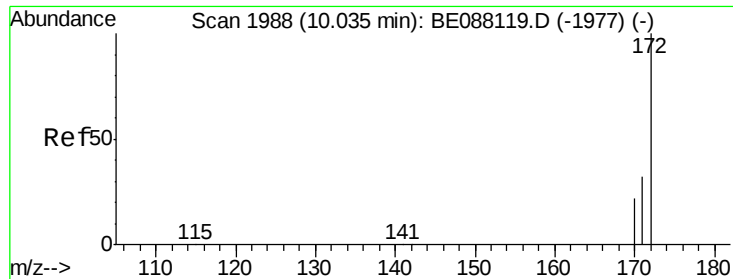
Delta R.T. 0.00 min

Lab File: BE088173.D

Acq: 22 Oct 2014 9:42

Tgt Ion:	164	Resp:	44137
Ion Ratio	Lower	Upper	
164	100		
162	87.3	68.3	102.5
160	37.7	28.7	43.1





#8

2-Fluorobiphenyl

Concen: 3.45 ng

RT: 10.04 min Scan# 1988

Delta R.T. 0.00 min

Lab File: BE088173.D

Acq: 22 Oct 2014 9:42

Instrument :

BNA_E

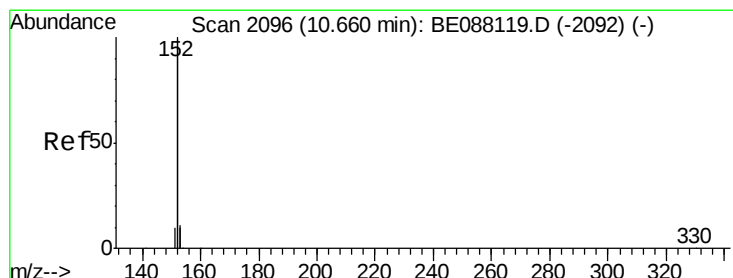
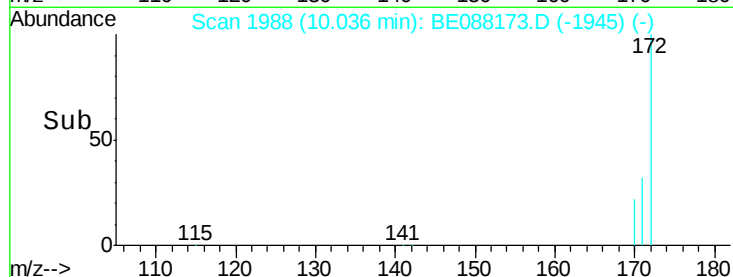
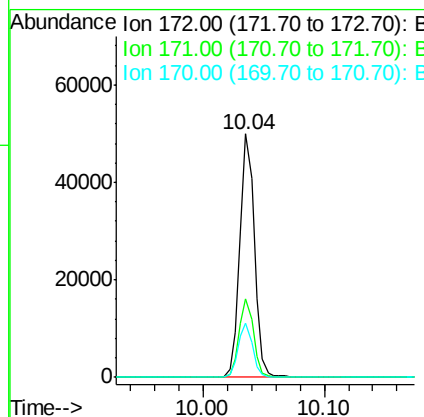
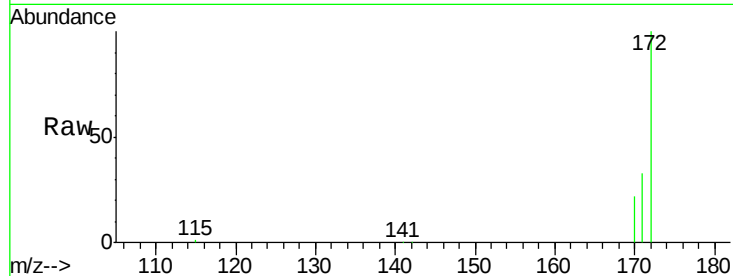
ClientSampleId :

YS19-SB26-1014

Tgt Ion:	172	Resp:	42039
Ion Ratio	Lower	Upper	
172	100		
171	32.5	25.4	38.2
170	22.1	17.4	26.2

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#9

Acenaphthylene

Concen: 0.03 ng

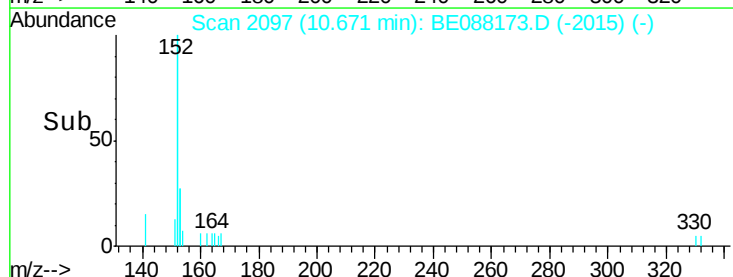
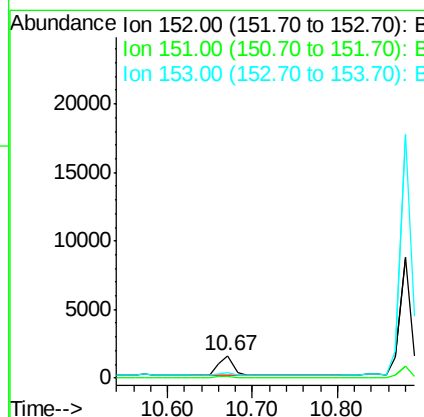
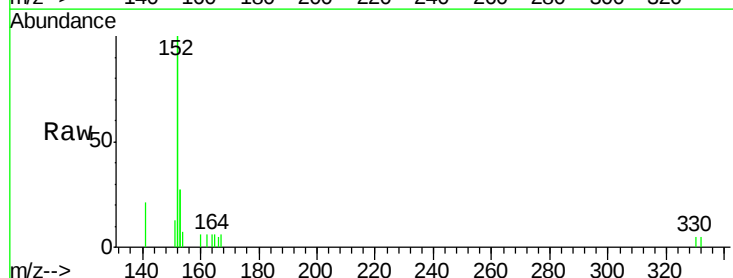
RT: 10.67 min Scan# 2097

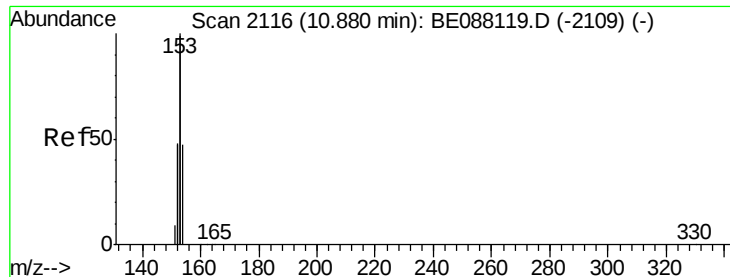
Delta R.T. 0.01 min

Lab File: BE088173.D

Acq: 22 Oct 2014 9:42

Tgt Ion:	152	Resp:	1777
Ion Ratio	Lower	Upper	
152	100		
151	4.7	3.7	5.5
153	0.0	10.4	15.6#





#10

Acenaphthene

Concen: 0.38 ng

RT: 10.88 min Scan# 2116

Delta R.T. 0.00 min

Lab File: BE088173.D

Acq: 22 Oct 2014 9:42

Instrument :

BNA_E

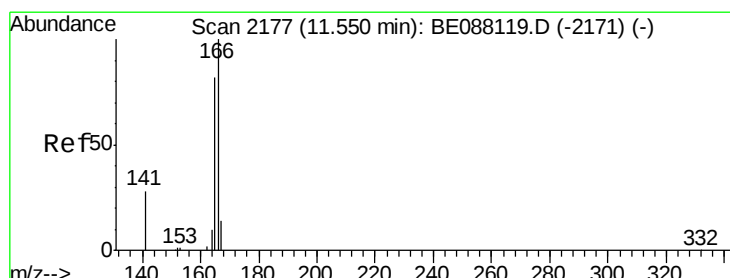
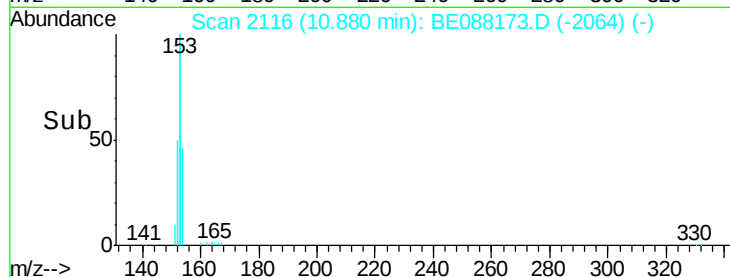
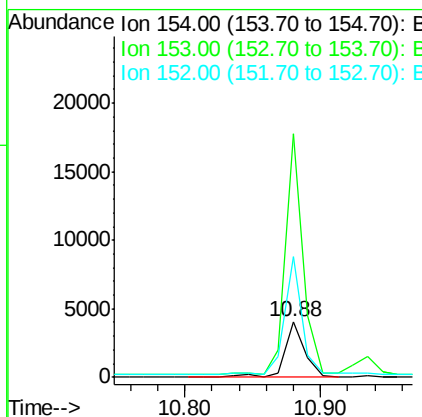
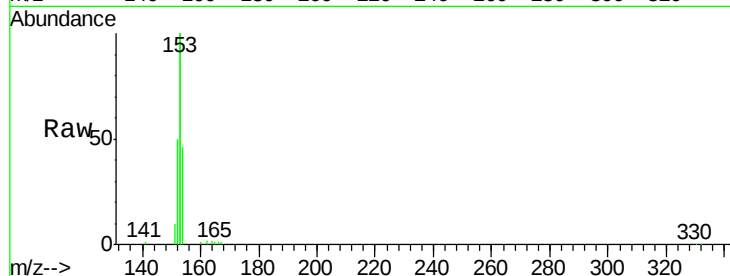
ClientSampleId :

YS19-SB26-1014

Tgt Ion:	154	Resp:	3934
Ion Ratio	Lower	Upper	
154	100		
153	404.3	327.8	491.6
152	200.3	157.6	236.4

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#11

Fluorene

Concen: 0.36 ng

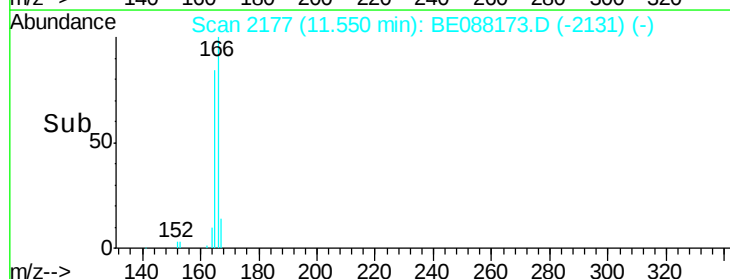
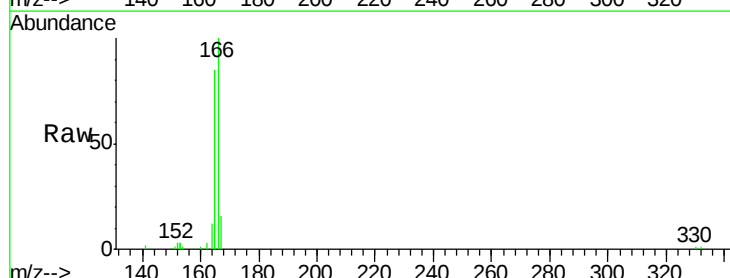
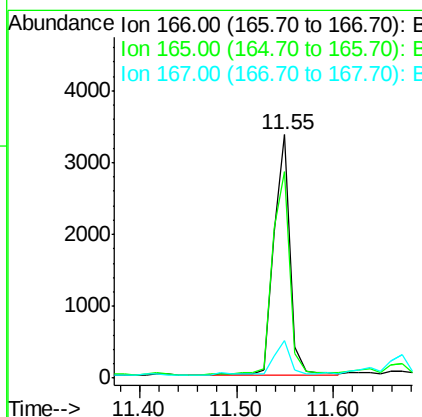
RT: 11.55 min Scan# 2177

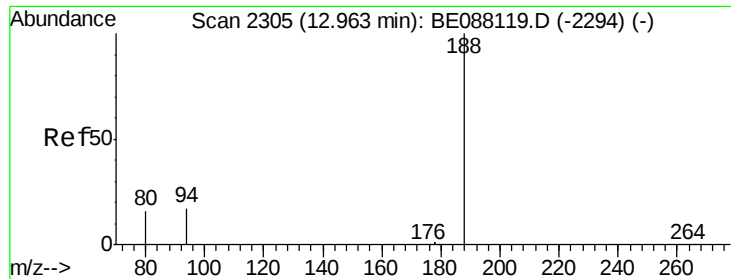
Delta R.T. 0.00 min

Lab File: BE088173.D

Acq: 22 Oct 2014 9:42

Tgt Ion:	166	Resp:	3923
Ion Ratio	Lower	Upper	
166	100		
165	91.0	71.4	107.2
167	14.5	10.6	16.0





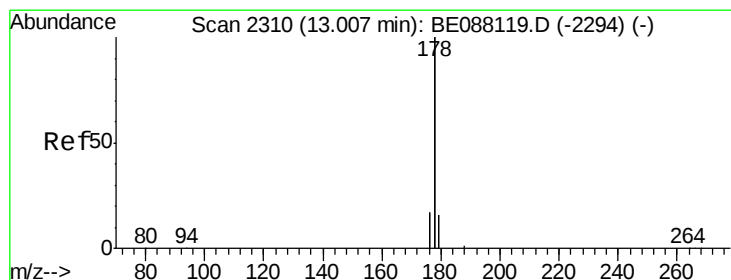
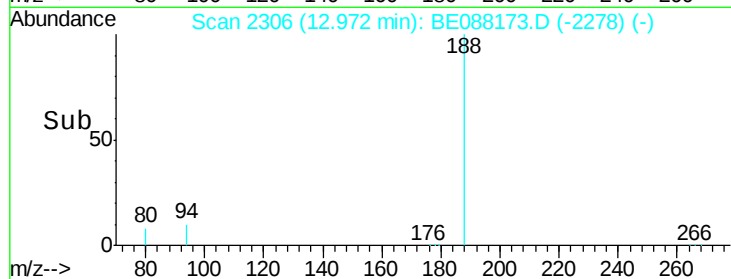
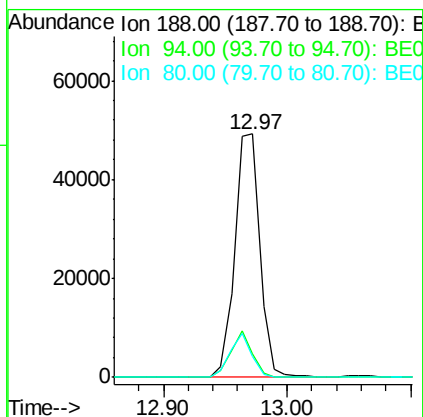
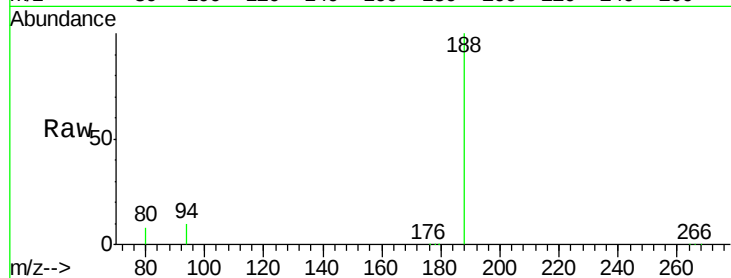
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.97 min Scan# 2306
Delta R.T. 0.01 min
Lab File: BE088173.D
Acq: 22 Oct 2014 9:42

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Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.8	13.9	20.9#
80	8.5	12.9	19.3#

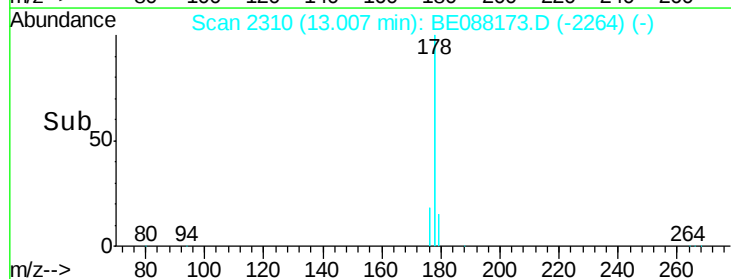
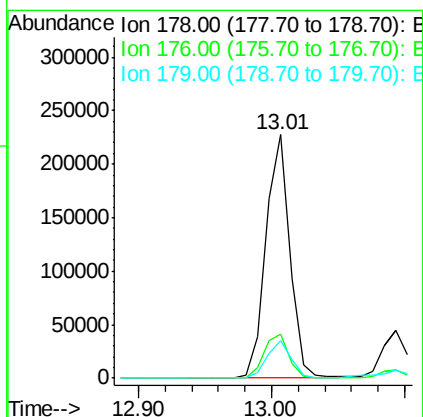
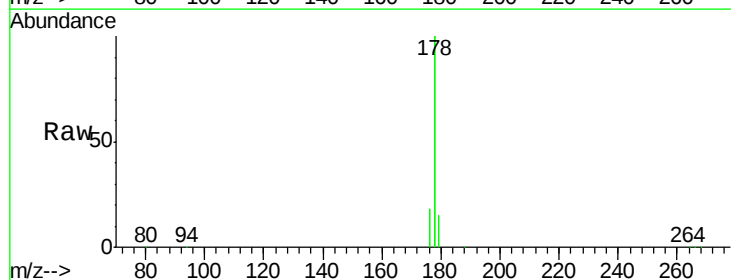
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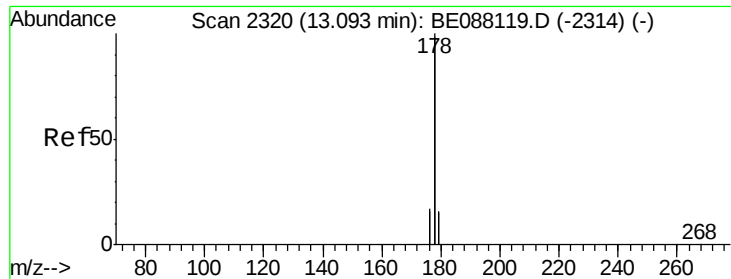
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#13
Phenanthrene
Concen: 5.52 ng
RT: 13.01 min Scan# 2310
Delta R.T. 0.00 min
Lab File: BE088173.D
Acq: 22 Oct 2014 9:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.6	12.5	18.7
179	15.2	13.5	20.3





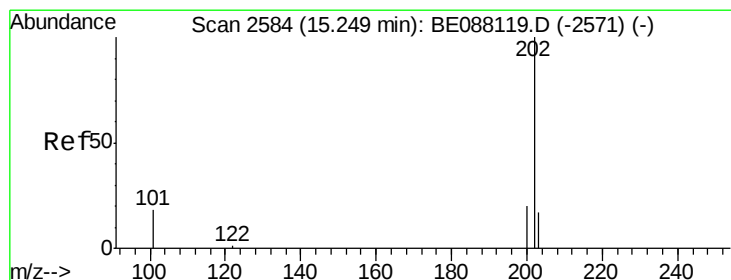
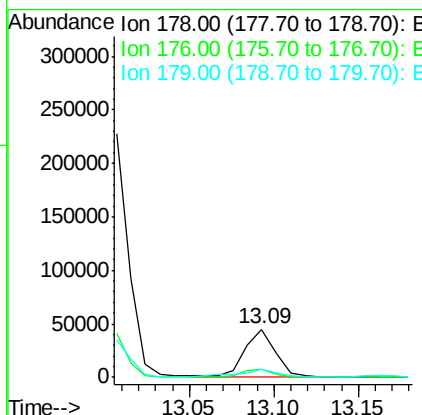
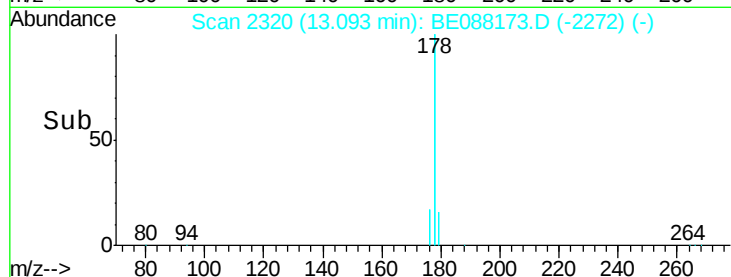
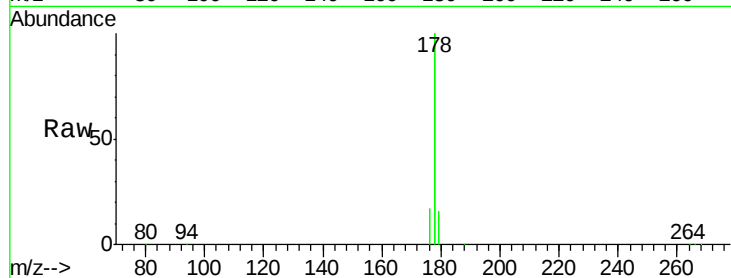
#14
 Anthracene
 Concen: 1.09 ng m
 RT: 13.09 min Scan# 2320
 Delta R.T. 0.00 min
 Lab File: BE088173.D
 Acq: 22 Oct 2014 9:42

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB26-1014

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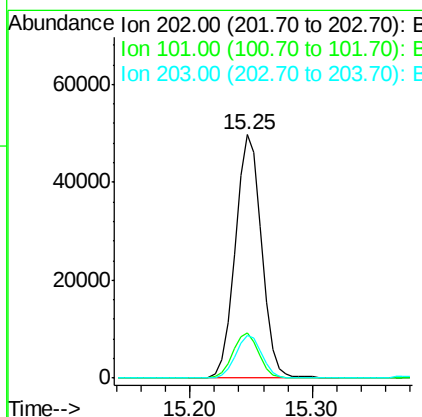
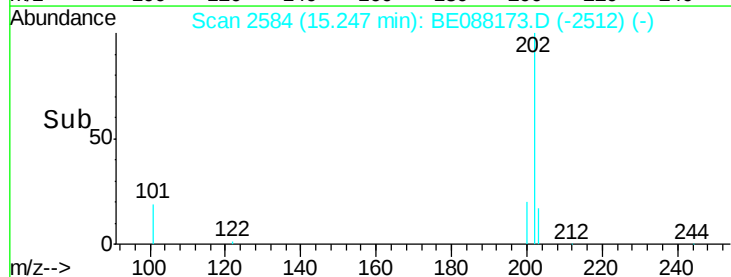
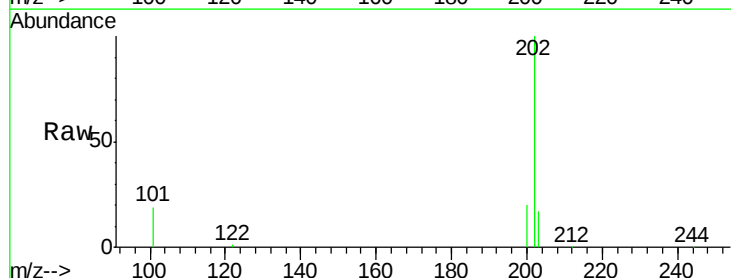
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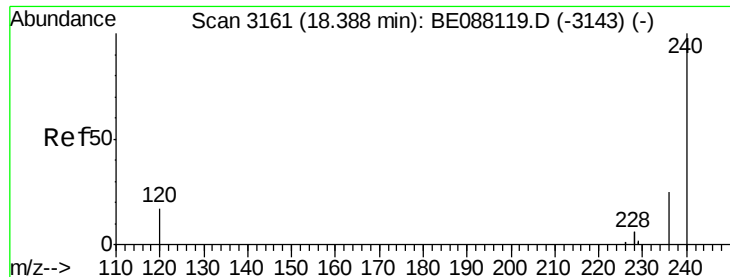
Tgt Ion	Ratio	Lower	Upper
178	100		
176	89.0	14.6	21.8#
179	72.6	12.5	18.7#



#15
 Fluoranthene
 Concen: 5.63 ng
 RT: 15.25 min Scan# 2584
 Delta R.T. -0.00 min
 Lab File: BE088173.D
 Acq: 22 Oct 2014 9:42

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.4	14.8	22.2
203	17.3	13.5	20.3





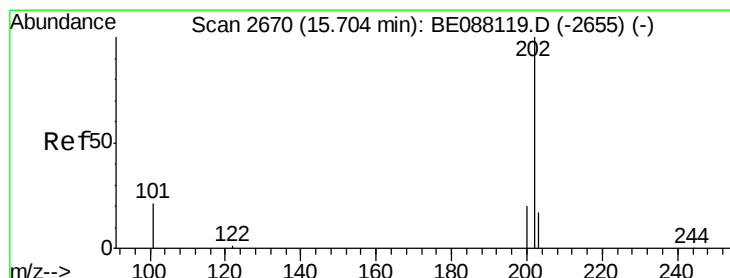
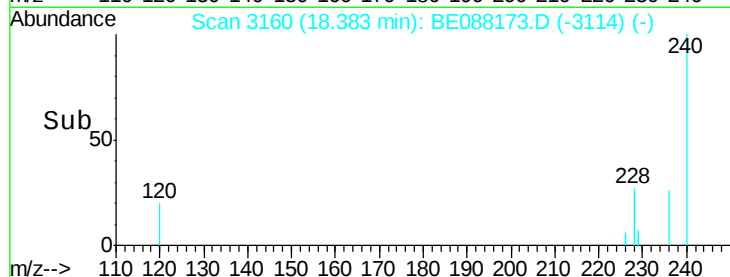
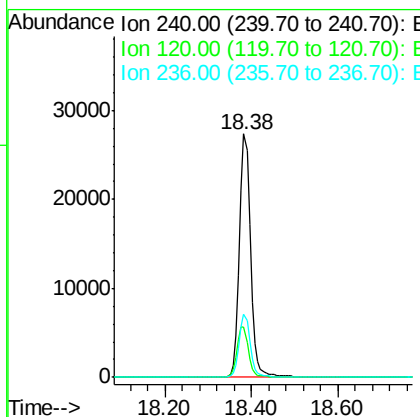
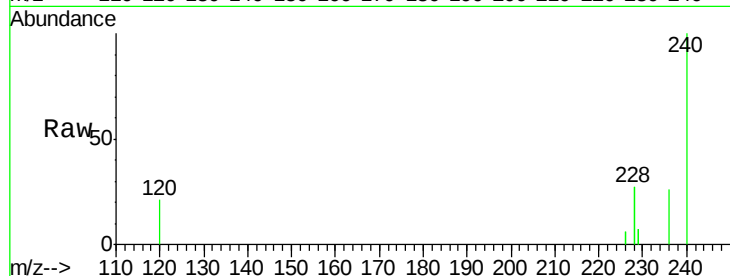
#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.38 min Scan# 3160
Delta R.T. -0.00 min
Lab File: BE088173.D
Acq: 22 Oct 2014 9:42

Instrument :
BNA_E
ClientSampleId :
YS19-SB26-1014

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	20.6	13.9	20.9
236	25.7	19.9	29.9

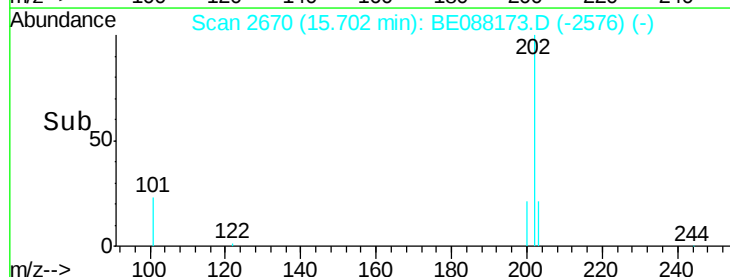
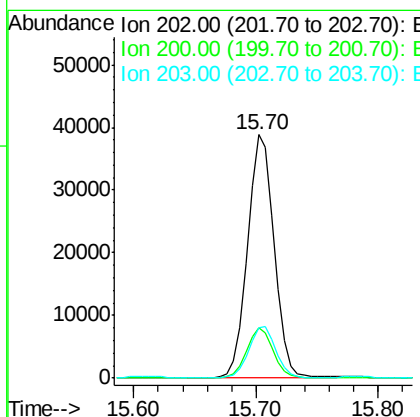
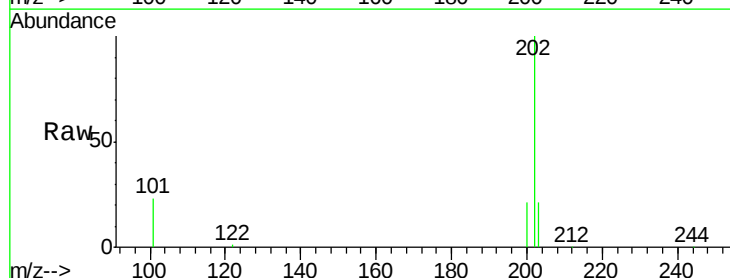
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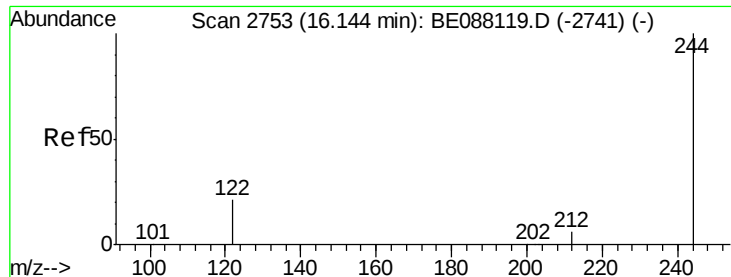
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#17
Pyrene
Concen: 4.50 ng m
RT: 15.70 min Scan# 2670
Delta R.T. -0.00 min
Lab File: BE088173.D
Acq: 22 Oct 2014 9:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	25.0	16.1	24.1#
203	21.7	13.9	20.9#





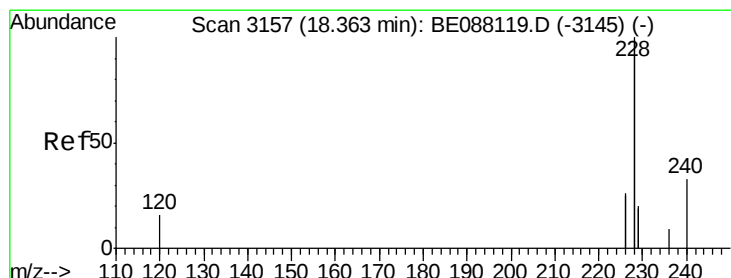
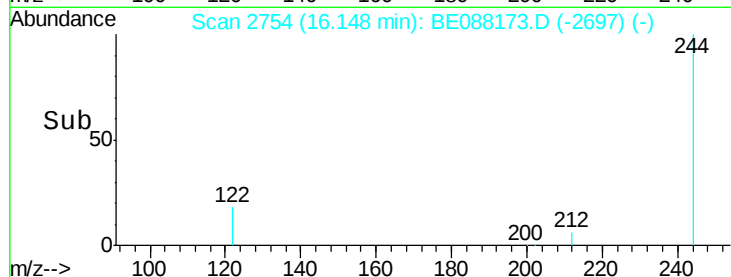
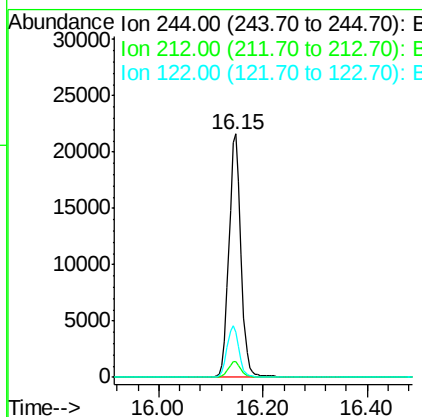
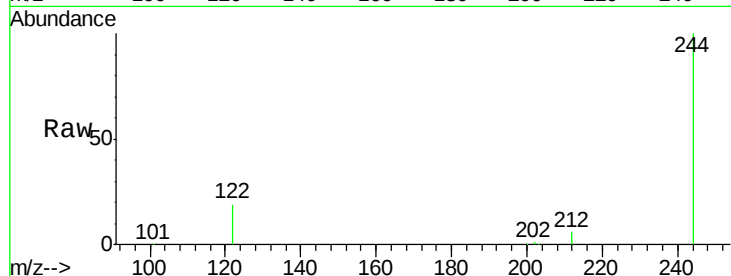
#18
 Terphenyl-d14
 Concen: 4.40 ng
 RT: 16.15 min Scan# 2754
 Delta R.T. 0.00 min
 Lab File: BE088173.D
 Acq: 22 Oct 2014 9:42

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB26-1014

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.4	5.4	8.0
122	18.7	17.5	26.3

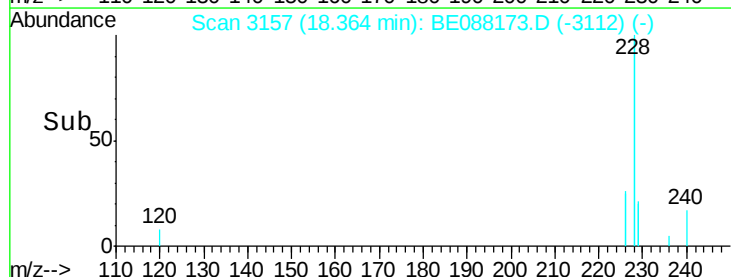
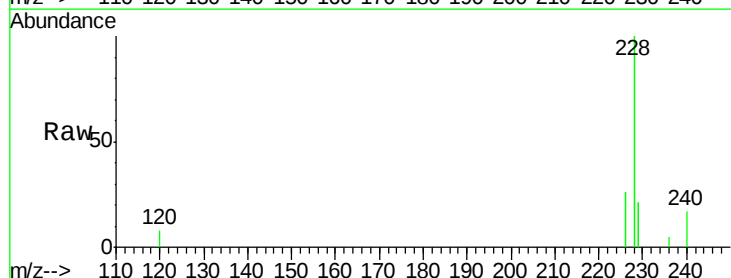
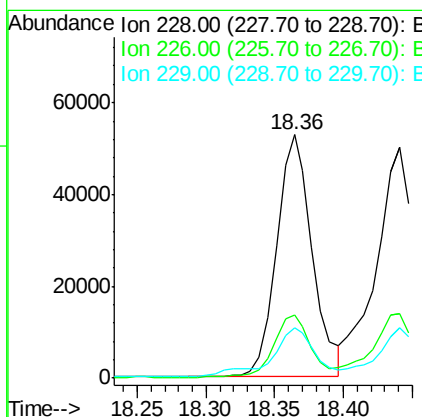
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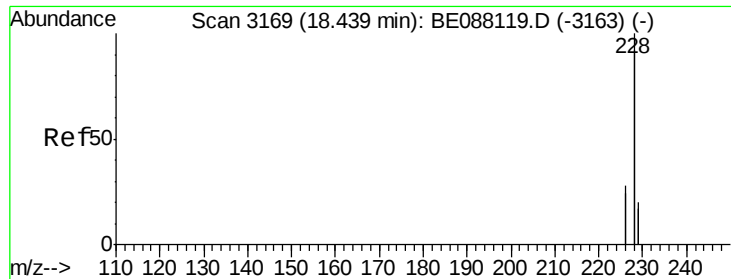
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#19
 Benzo(a)anthracene
 Concen: 2.21 ng
 RT: 18.36 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: BE088173.D
 Acq: 22 Oct 2014 9:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	26.0	20.8	31.2
229	20.6	15.6	23.4





#20

Chrysene

Concen: 2.35 ng

RT: 18.44 min Scan# 3169

Delta R.T. 0.00 min

Lab File: BE088173.D

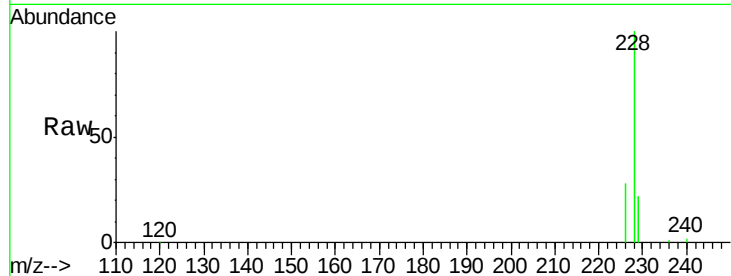
Acq: 22 Oct 2014 9:42

Instrument :

BNA_E

ClientSampleId :

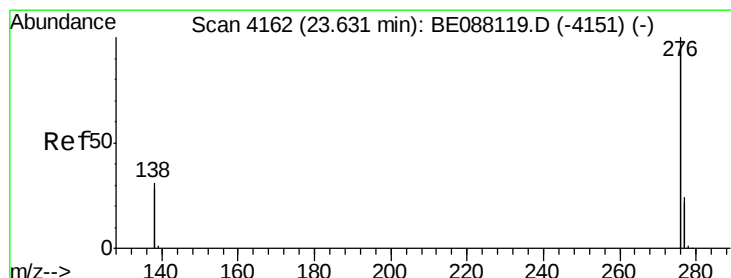
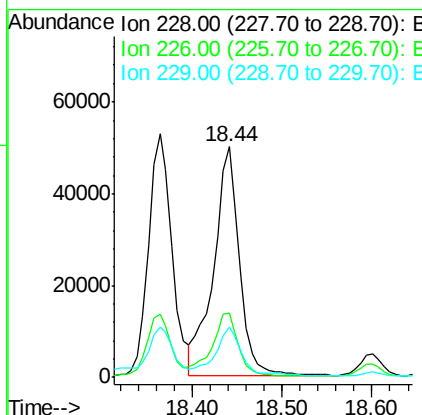
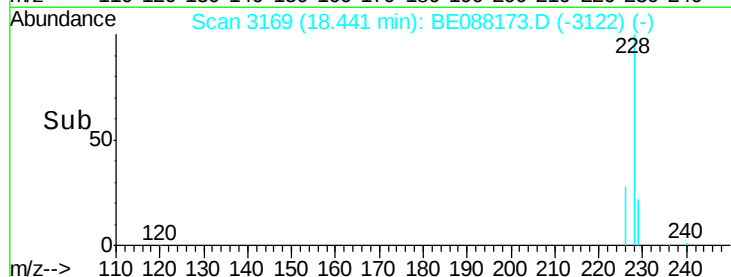
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Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.7	34.1
229	21.6	15.8	23.6

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#21

Indeno(1,2,3-cd)pyrene

Concen: 0.97 ng

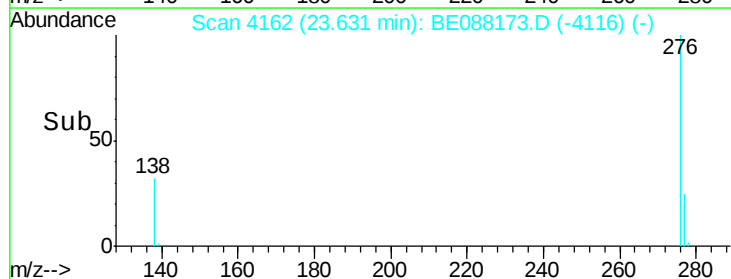
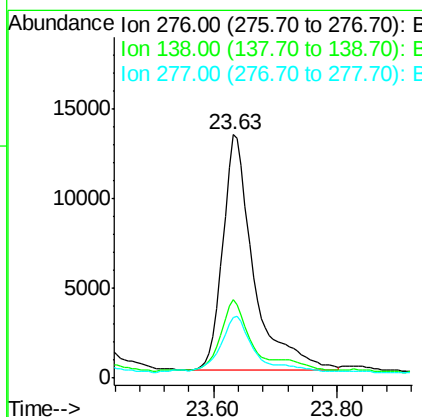
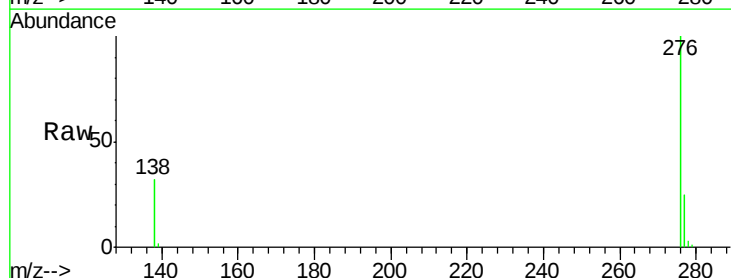
RT: 23.63 min Scan# 4162

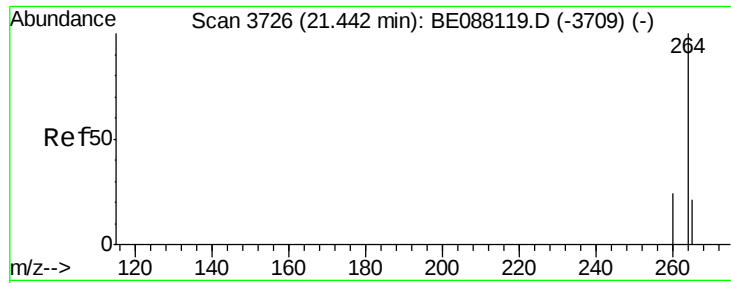
Delta R.T. 0.00 min

Lab File: BE088173.D

Acq: 22 Oct 2014 9:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.4	18.5	27.7
277	25.2	14.6	21.8#





#22

Perylene-d12

Concen: 5.00 ng

RT: 21.44 min Scan# 3726

Delta R.T. 0.00 min

Lab File: BE088173.D

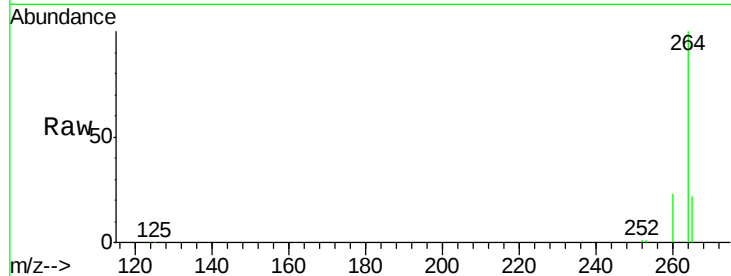
Acq: 22 Oct 2014 9:42

Instrument :

BNA_E

ClientSampleId :

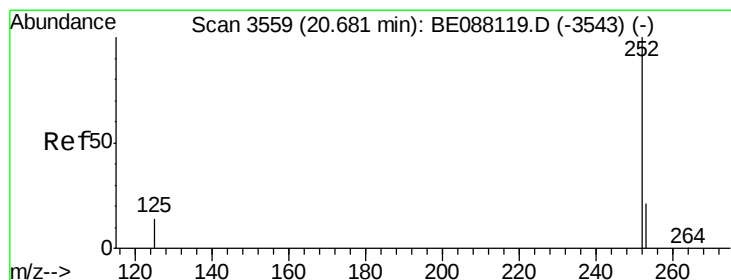
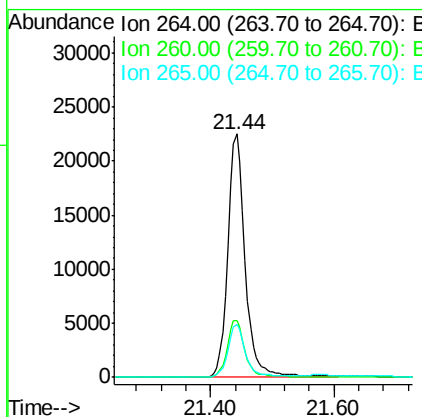
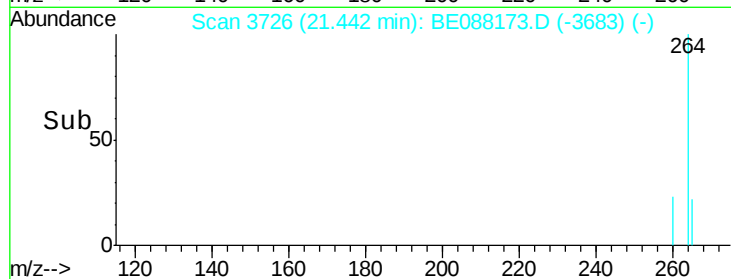
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Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.4
265	22.0	17.2	25.8

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#23

Benzo(b)fluoranthene

Concen: 2.47 ng

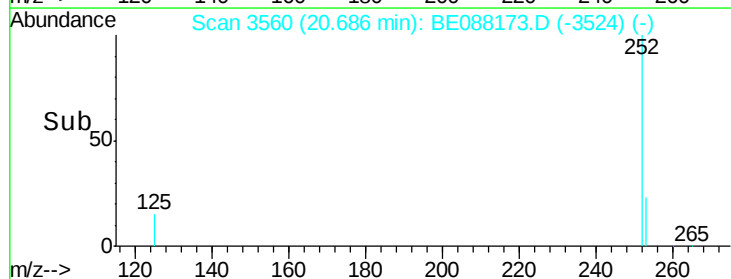
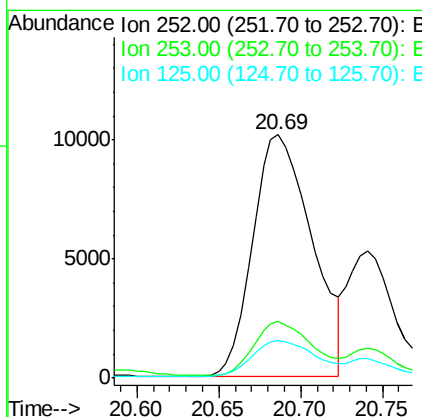
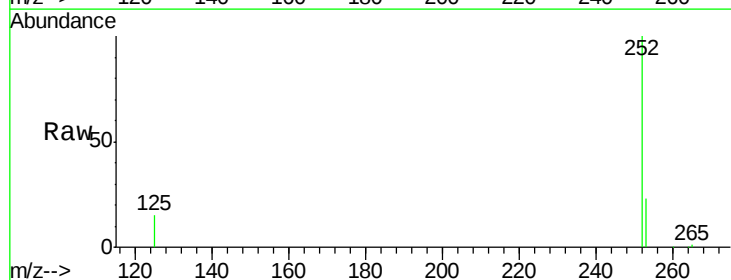
RT: 20.69 min Scan# 3560

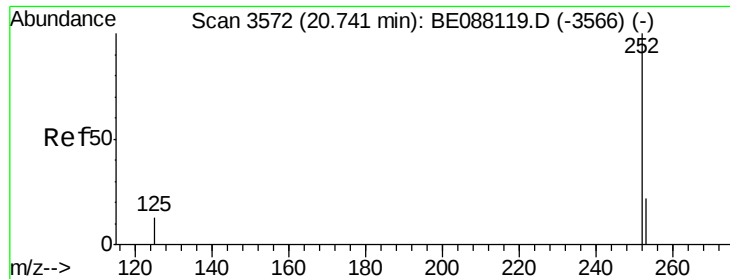
Delta R.T. 0.00 min

Lab File: BE088173.D

Acq: 22 Oct 2014 9:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	15.2	11.8	17.8





#24

Benzo(k)fluoranthene

Concen: 0.99 ng

RT: 20.74 min Scan# 3572

Delta R.T. 0.00 min

Lab File: BE088173.D

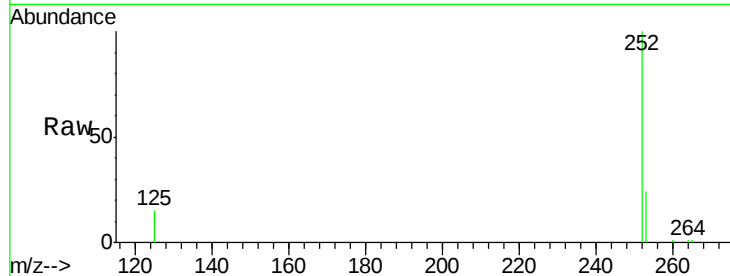
Acq: 22 Oct 2014 9:42

Instrument :

BNA_E

ClientSampleId :

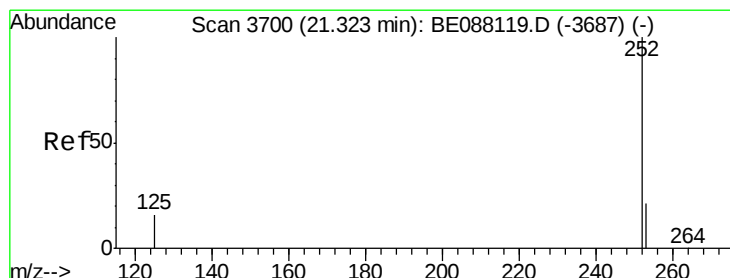
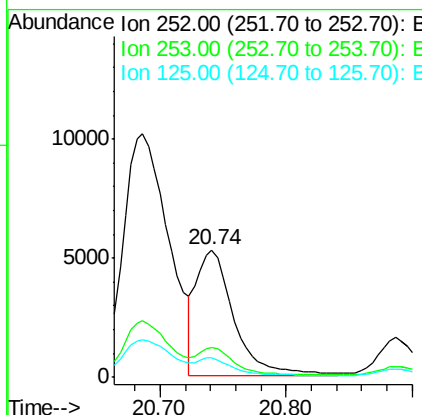
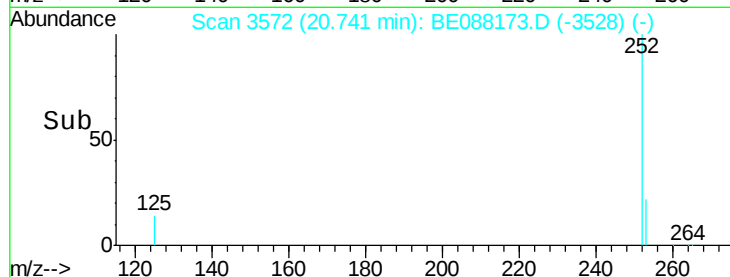
YS19-SB26-1014



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	15.2	11.5	17.3

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#25

Benzo(a)pyrene

Concen: 1.79 ng

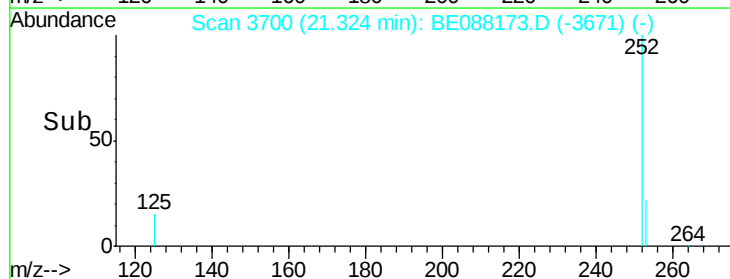
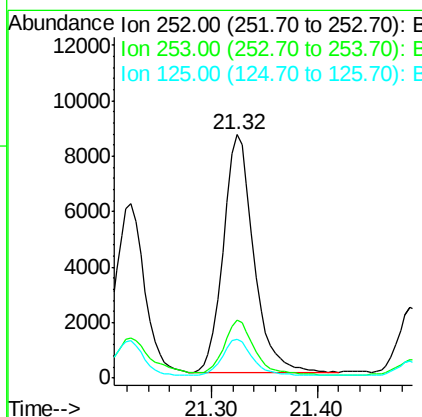
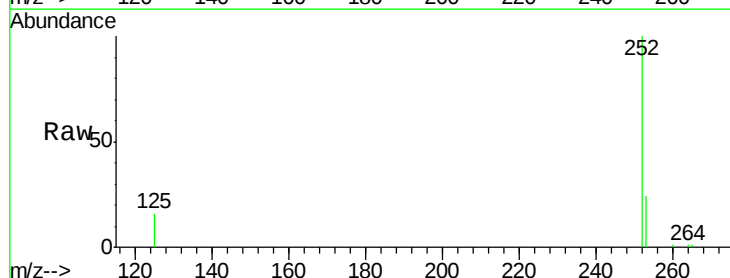
RT: 21.32 min Scan# 3700

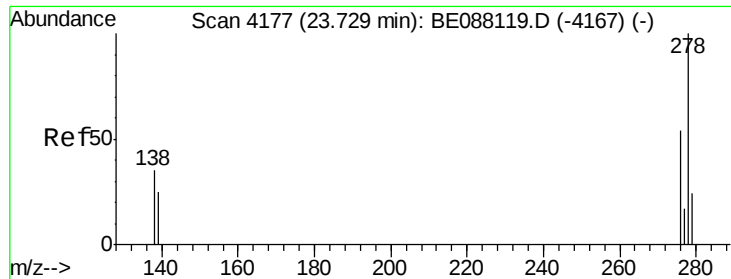
Delta R.T. 0.00 min

Lab File: BE088173.D

Acq: 22 Oct 2014 9:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	15.9	13.0	19.6





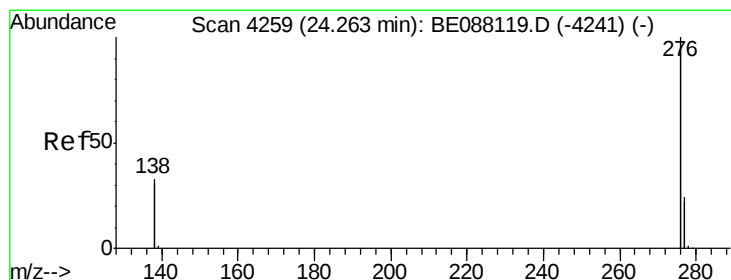
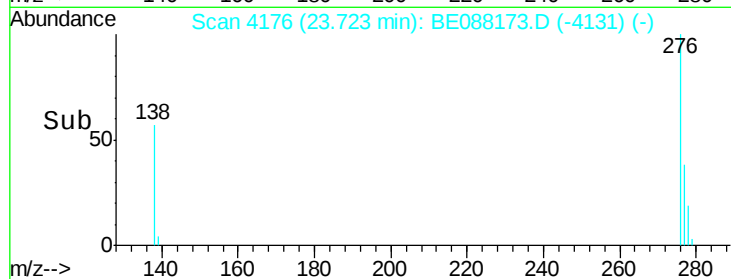
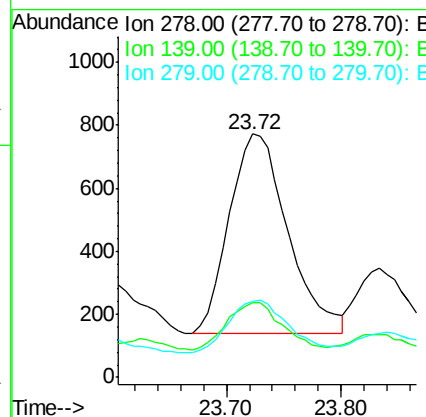
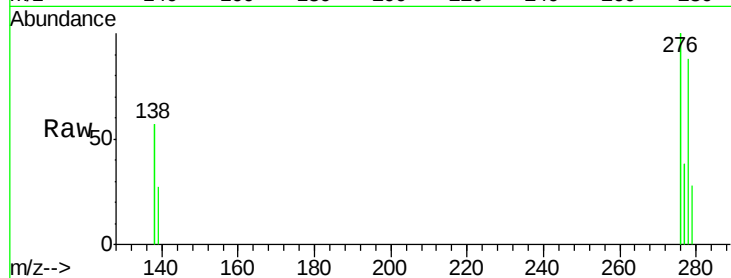
#26
Dibenzo(a,h)anthracene
Concen: 0.24 ng
RT: 23.72 min Scan# 4176
Delta R.T. -0.01 min
Lab File: BE088173.D
Acq: 22 Oct 2014 9:42

Instrument :
BNA_E
ClientSampleId :
YS19-SB26-1014

Tgt Ion	Ratio	Lower	Upper
278	100		
139	30.8	20.9	31.3
279	31.4	19.8	29.8

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#27
Benzo(g,h,i)perylene
Concen: 1.06 ng
RT: 24.26 min Scan# 4259
Delta R.T. 0.00 min
Lab File: BE088173.D
Acq: 22 Oct 2014 9:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.2	28.8
138	33.5	26.6	40.0

