

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088470.D
 Acq On : 2 Nov 2014 1:59
 Operator : TP/JJ
 Sample : F4379-07DL 2X
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS29-1014DL

Manual Integrations
 APPROVED

mohammad
 11/4/2014 9:08:07 AM

Quant Time: Nov 02 05:36:33 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	24231	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	88733	5.00	ng	0.00
7) Acenaphthene-d10	10.80	164	41976	5.00	ng	0.01
12) Phenanthrene-d10	12.91	188	86170	5.00	ng	0.00
16) Chrysene-d12	18.34	240	55009	5.00	ng	0.03
22) Perylene-d12	21.40	264	53857	5.00	ng	0.03
System Monitoring Compounds						
4) Nitrobenzene-d5	7.79	82	282787	43.46	ng	0.01
8) 2-Fluorobiphenyl	9.99	172	361660	30.57	ng	0.00
18) Terphenyl-d14	16.10	244	281605	27.87	ng	0.02
Target Compounds						Qvalue
5) Naphthalene	8.68	128	3247	0.18	ng	97
6) 2-Methylnaphthalene	9.53	142	845	0.07	ng	98
9) Acenaphthylene	10.63	152	4617	0.07	ng	# 75
10) Acenaphthene	10.84	154	5719	0.57	ng	98
11) Fluorene	11.49	166	5005	0.47	ng	99
13) Phenanthrene	12.95	178	300537	3.84	ng	100
14) Anthracene	13.04	178	56004m	0.89	ng	
15) Fluoranthene	15.19	202	65851	5.18	ng	100
17) Pyrene	15.65	202	53334m	2.97	ng	
19) Benzo(a)anthracene	18.31	228	108176	2.09	ng	98
20) Chrysene	18.39	228	100443	1.98	ng	96
21) Indeno(1,2,3-cd)pyrene	23.59	276	61930	1.31	ng	# 88
23) Benzo(b)fluoranthene	20.64	252	31619	2.68	ng	# 95
24) Benzo(k)fluoranthene	20.70	252	11603	0.89	ng	# 93
25) Benzo(a)pyrene	21.28	252	22442	1.98	ng	97
26) Dibenzo(a,h)anthracene	23.67	278	3152	0.30	ng	# 67
27) Benzo(g,h,i)perylene	24.22	276	55899	1.16	ng	97

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

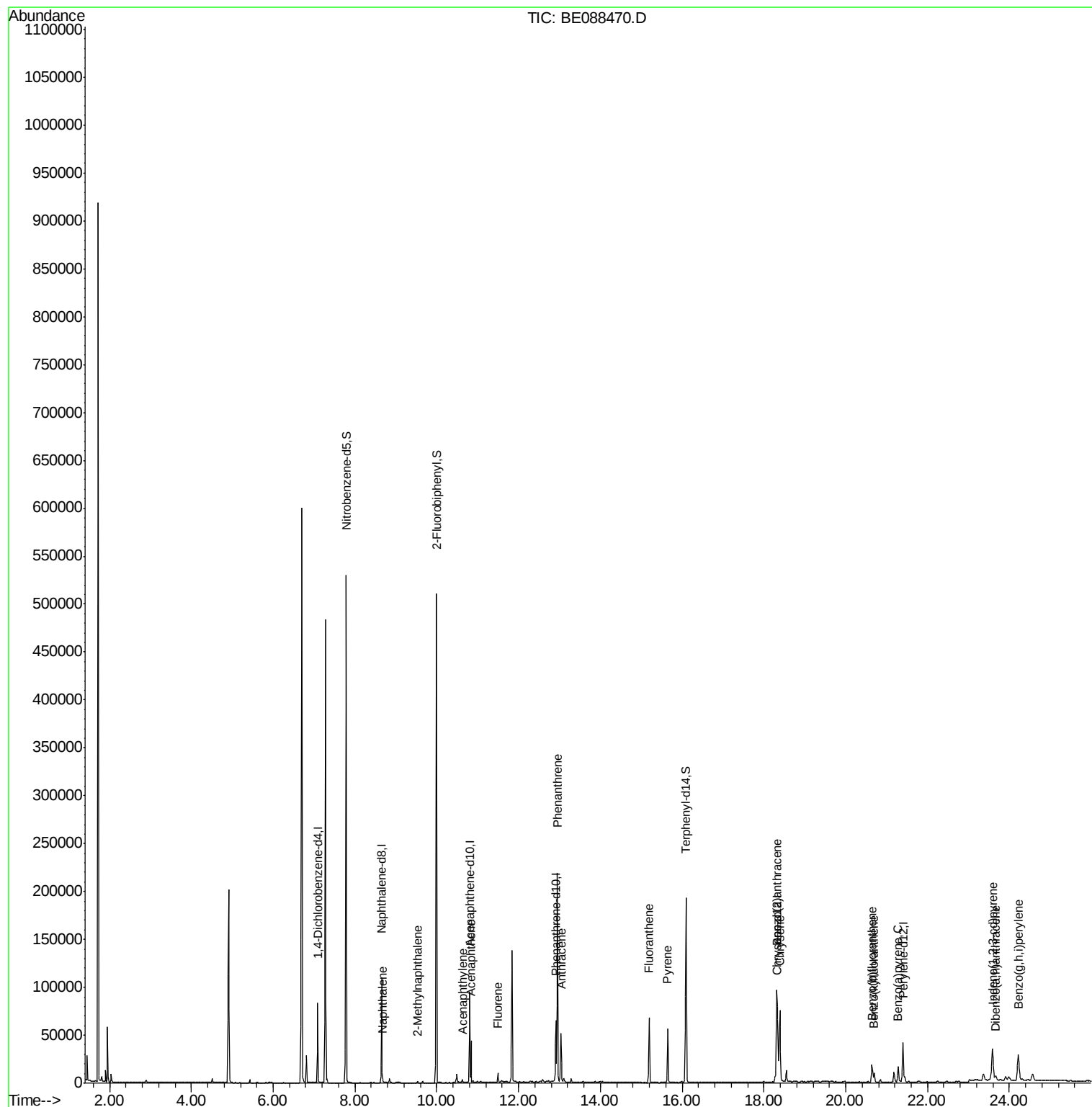
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
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ALS Vial : 45 Sample Multiplier: 1

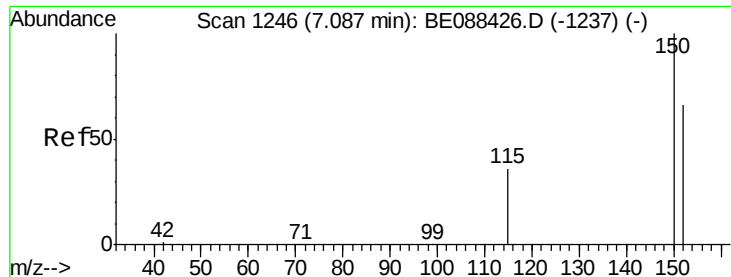
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.09 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE088470.D

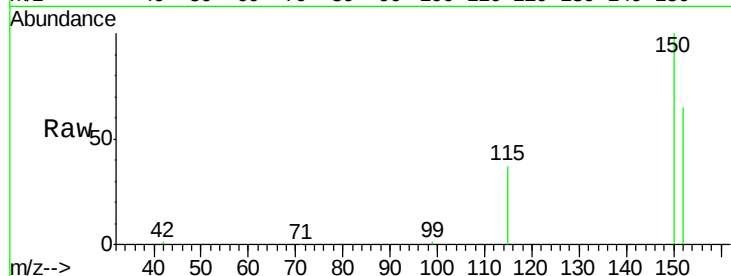
Acq: 2 Nov 2014 1:59

Instrument :

BNA_E

ClientSampleId :

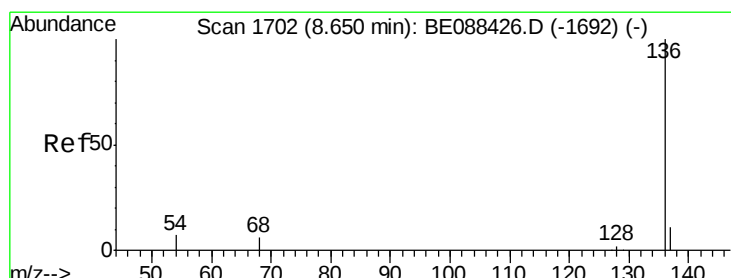
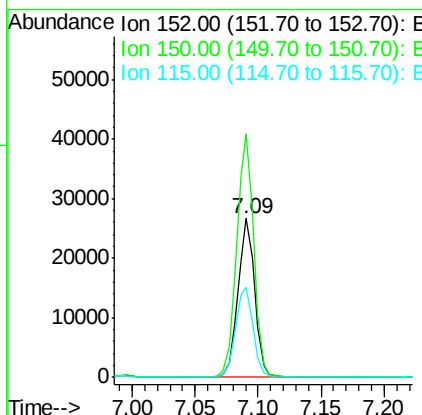
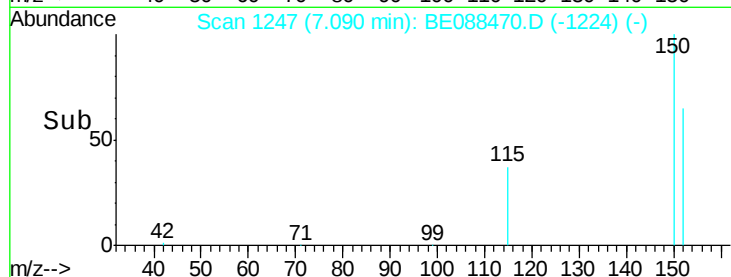
YS19-SS29-1014DL



Tgt Ion:	152	Resp:	24231
Ion Ratio	Lower	Upper	
152	100		
150	153.2	121.8	182.8
115	57.0	43.9	65.9

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#3

Naphthalene-d8

Concen: 5.00 ng

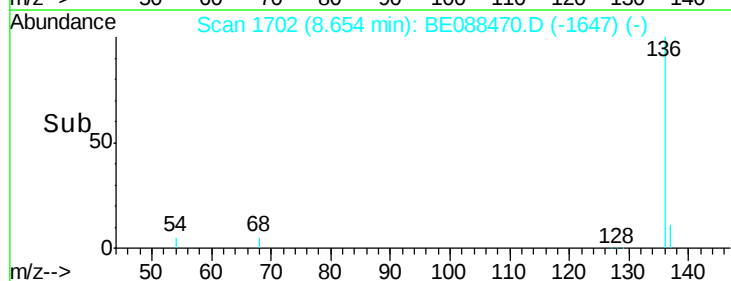
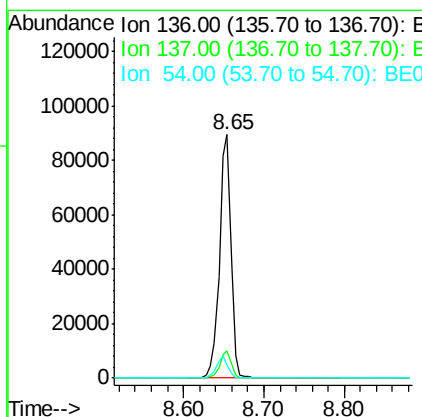
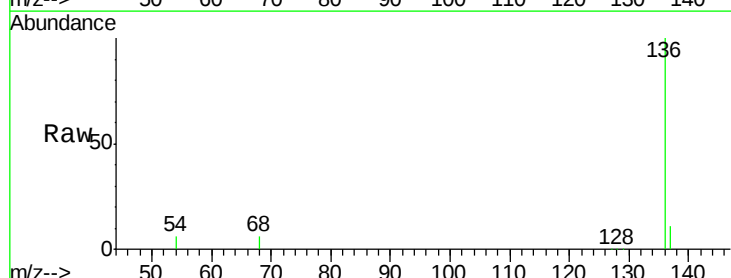
RT: 8.65 min Scan# 1702

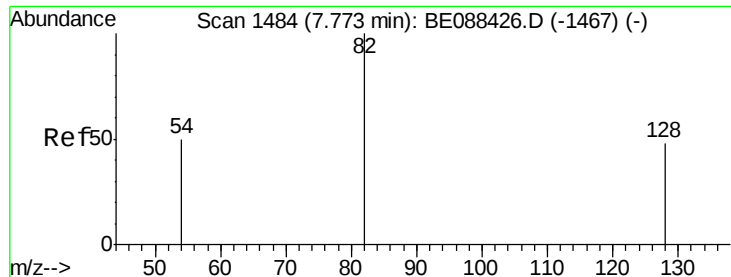
Delta R.T. 0.00 min

Lab File: BE088470.D

Acq: 2 Nov 2014 1:59

Tgt Ion:	136	Resp:	88733
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.8	13.2
54	5.5	5.3	7.9





#4

Nitrobenzene-d5

Concen: 43.46 ng

RT: 7.79 min Scan# 1489

Delta R.T. 0.01 min

Lab File: BE088470.D

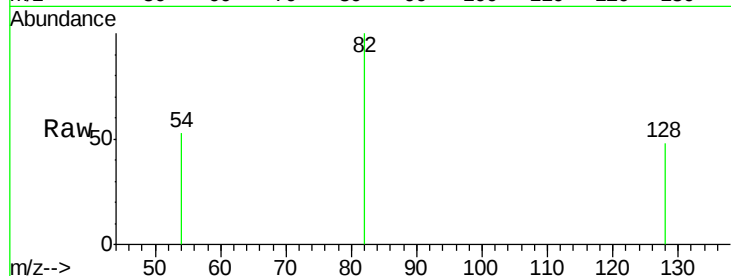
Acq: 2 Nov 2014 1:59

Instrument :

BNA_E

ClientSampleId :

YS19-SS29-1014DL



Tgt Ion: 82 Resp: 282787

Ion Ratio Lower Upper

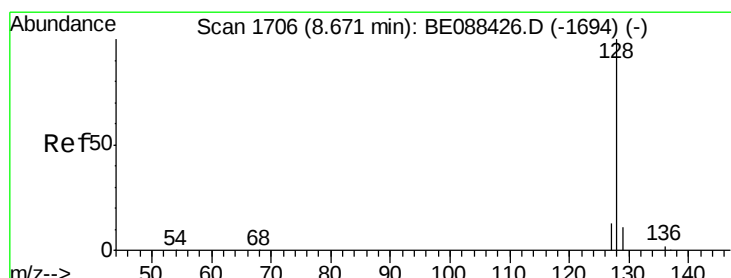
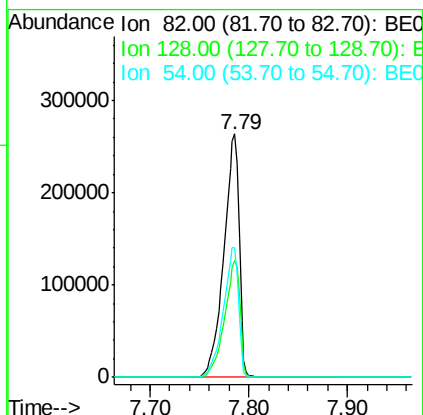
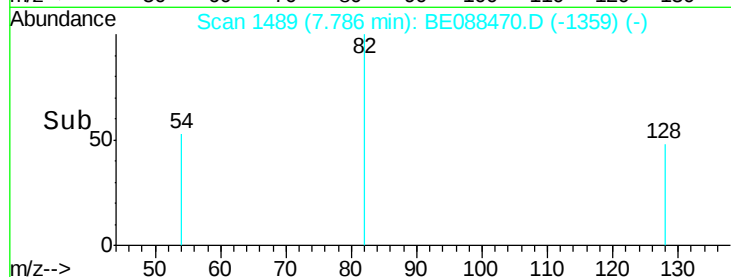
82 100

128 48.0 38.4 57.6

54 53.1 40.2 60.2

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#5

Naphthalene

Concen: 0.18 ng

RT: 8.68 min Scan# 1706

Delta R.T. 0.00 min

Lab File: BE088470.D

Acq: 2 Nov 2014 1:59

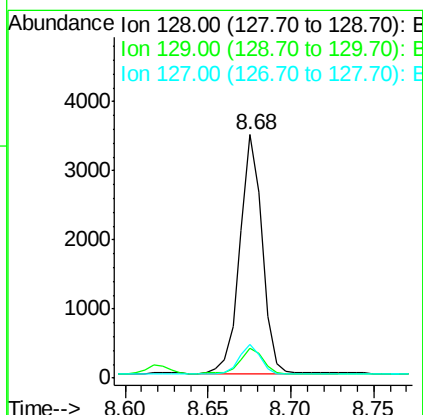
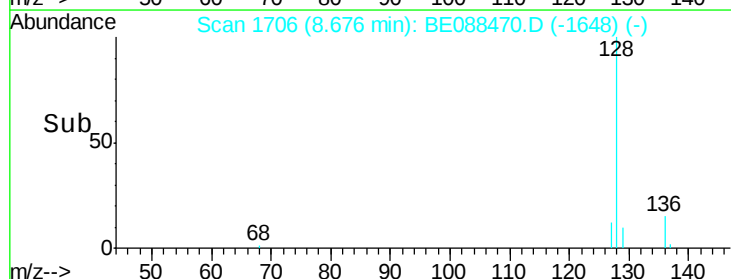
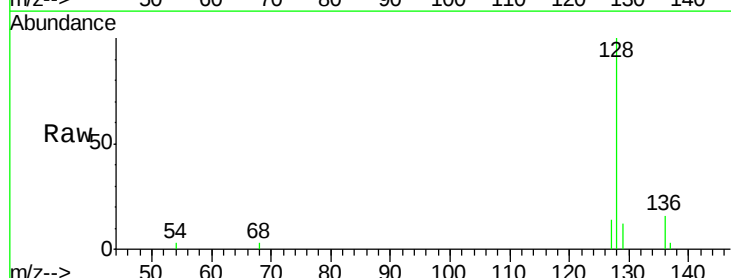
Tgt Ion: 128 Resp: 3247

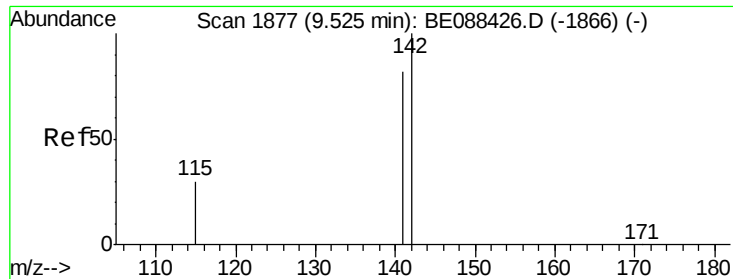
Ion Ratio Lower Upper

128 100

129 12.3 8.6 12.8

127 13.6 10.1 15.1





#6

2-Methylnaphthalene

Concen: 0.07 ng

RT: 9.53 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BE088470.D

Acq: 2 Nov 2014 1:59

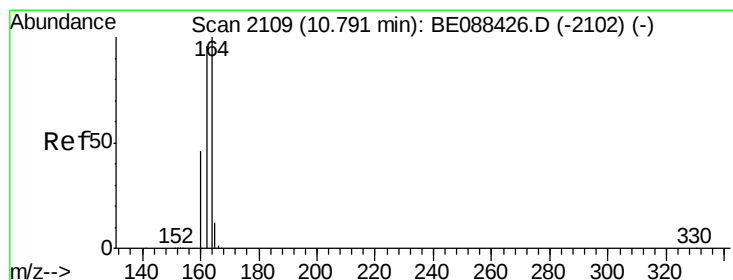
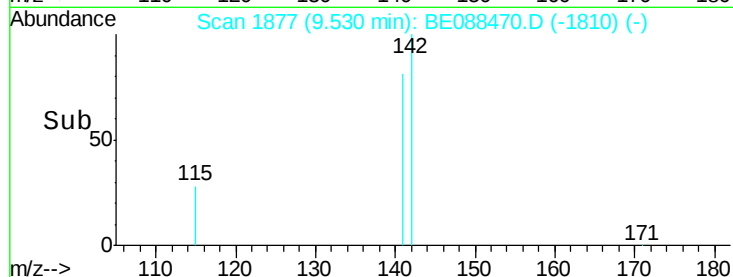
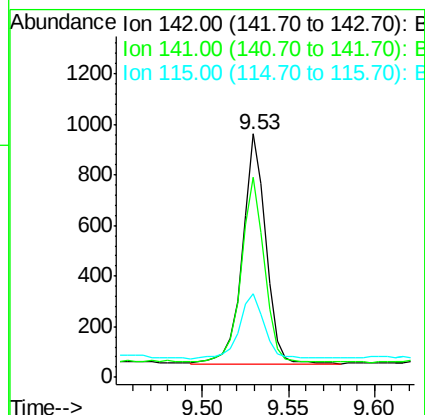
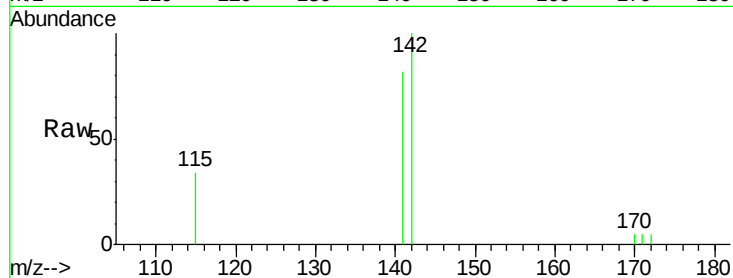
Instrument :
BNA_E

ClientSampleId :
YS19-SS29-1014DL

Tgt Ion:	142	Resp:	845
Ion Ratio	Lower	Upper	
142	100		
141	82.0	65.8	98.8
115	34.3	24.2	36.4

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#7

Acenaphthene-d10

Concen: 5.00 ng

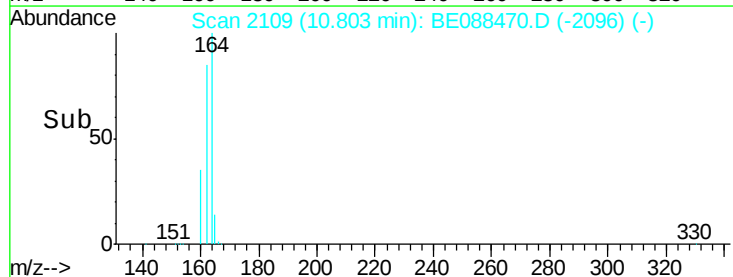
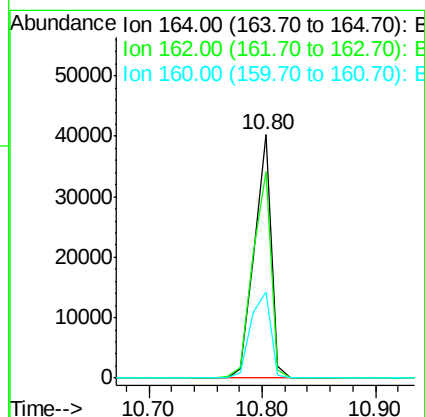
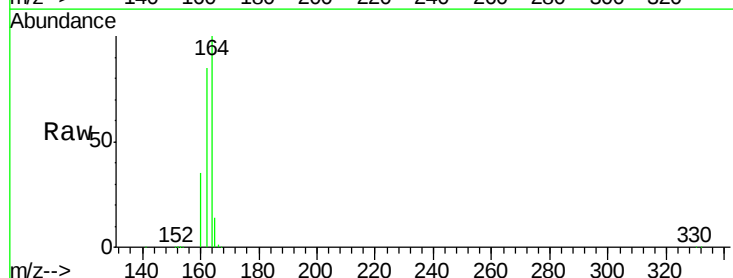
RT: 10.80 min Scan# 2109

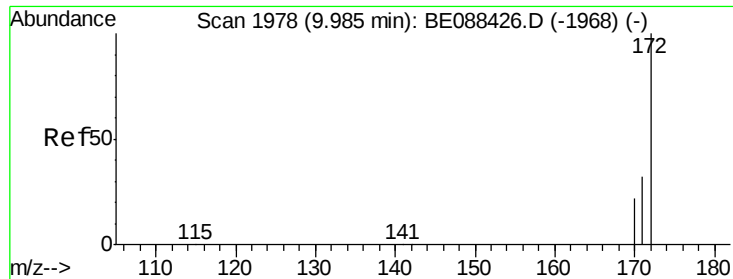
Delta R.T. 0.01 min

Lab File: BE088470.D

Acq: 2 Nov 2014 1:59

Tgt Ion:	164	Resp:	41976
Ion Ratio	Lower	Upper	
164	100		
162	84.6	77.0	115.4
160	35.3	36.8	55.2#





#8

2-Fluorobiphenyl

Concen: 30.57 ng

RT: 9.99 min Scan# 1979

Delta R.T. 0.01 min

Lab File: BE088470.D

Acq: 2 Nov 2014 1:59

Instrument :

BNA_E

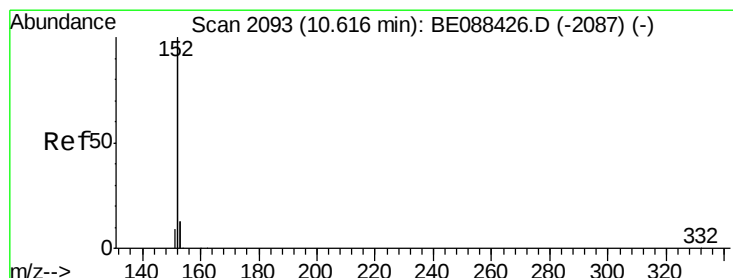
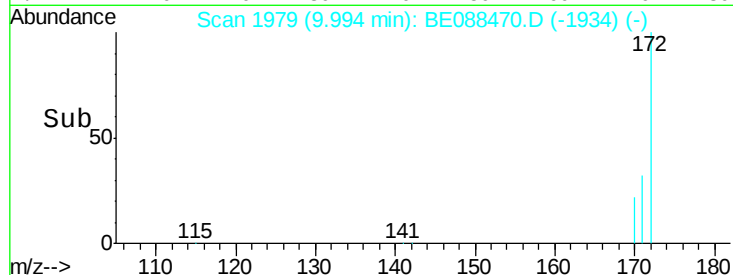
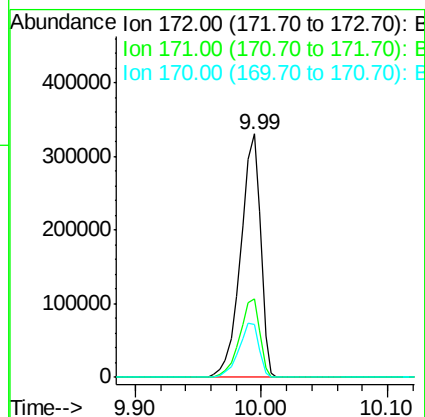
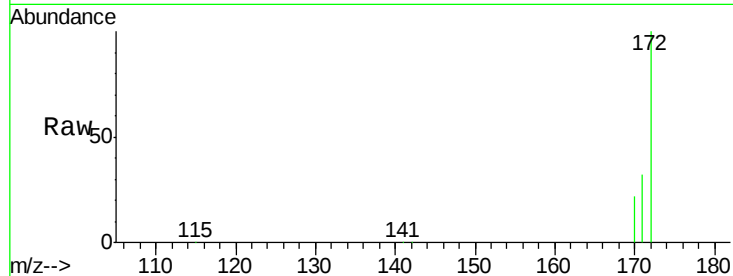
ClientSampleId :

YS19-SS29-1014DL

Tgt Ion:	172	Resp:	361660
Ion Ratio	Lower	Upper	
172	100		
171	32.4	26.0	39.0
170	21.7	17.6	26.4

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#9

Acenaphthylene

Concen: 0.07 ng

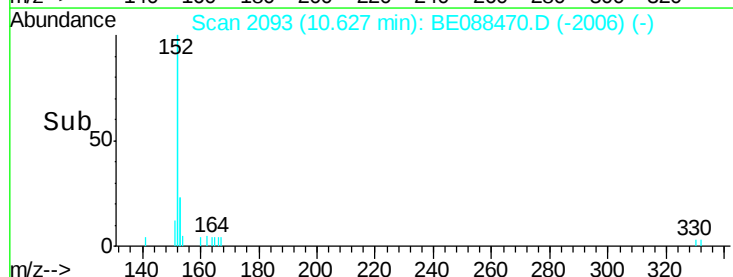
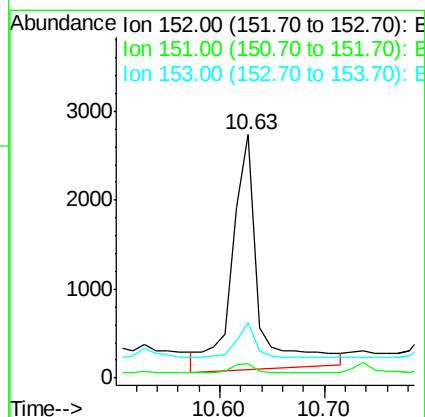
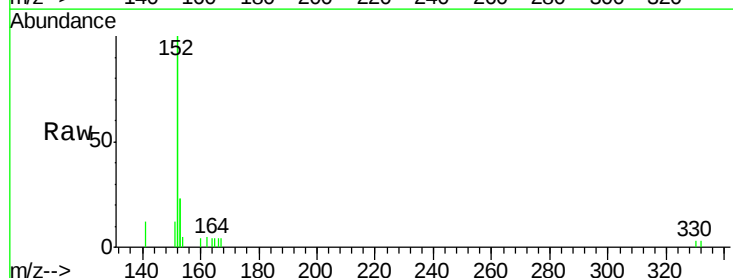
RT: 10.63 min Scan# 2093

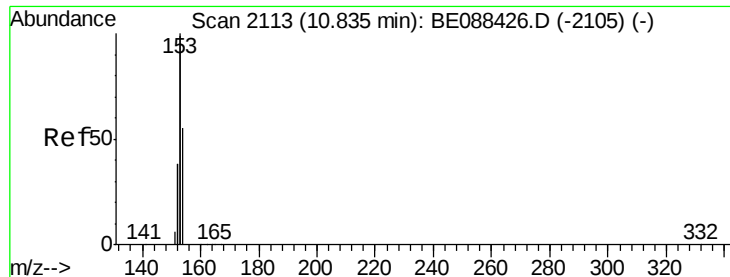
Delta R.T. 0.01 min

Lab File: BE088470.D

Acq: 2 Nov 2014 1:59

Tgt Ion:	152	Resp:	4617
Ion Ratio	Lower	Upper	
152	100		
151	3.4	4.4	6.6#
153	0.0	10.5	15.7#





#10

Acenaphthene

Concen: 0.57 ng

RT: 10.84 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BE088470.D

Acq: 2 Nov 2014 1:59

Instrument :

BNA_E

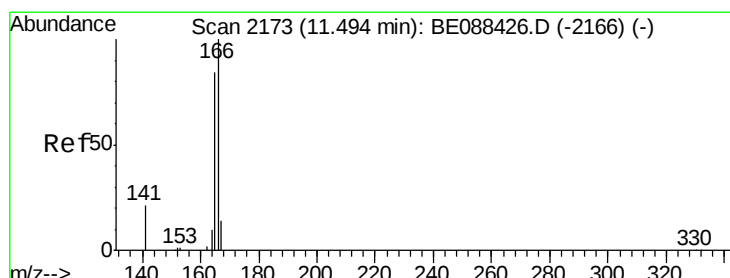
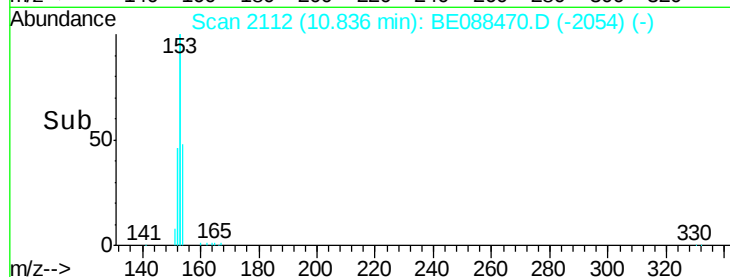
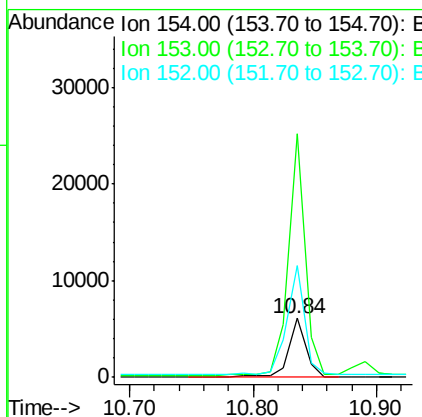
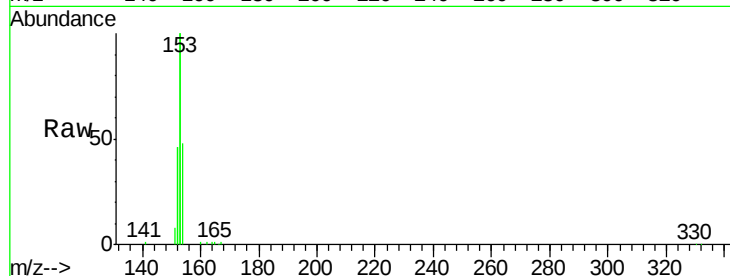
ClientSampleId :

YS19-SS29-1014DL

Tgt Ion:	154	Resp:	5719
Ion Ratio	Lower	Upper	
154	100		
153	403.4	324.3	486.5
152	201.8	154.9	232.3

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#11

Fluorene

Concen: 0.47 ng

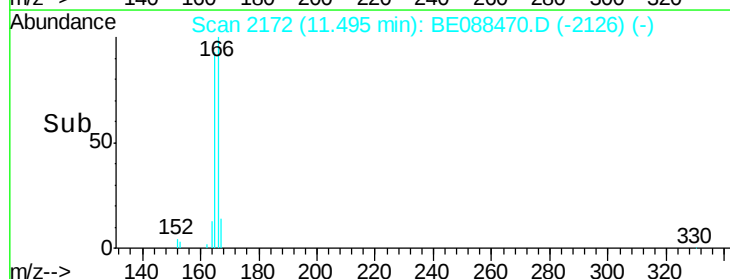
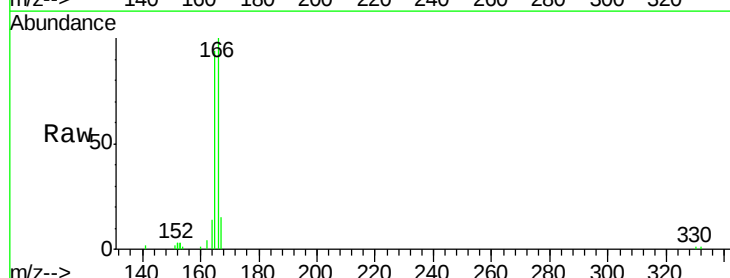
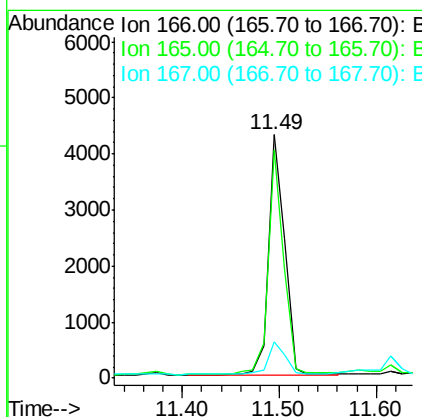
RT: 11.49 min Scan# 2172

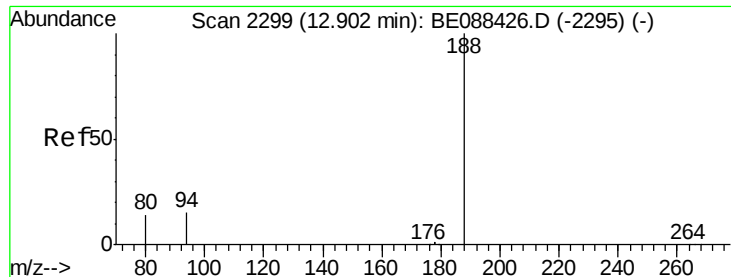
Delta R.T. 0.00 min

Lab File: BE088470.D

Acq: 2 Nov 2014 1:59

Tgt Ion:	166	Resp:	5005
Ion Ratio	Lower	Upper	
166	100		
165	89.5	71.3	106.9
167	14.3	10.7	16.1





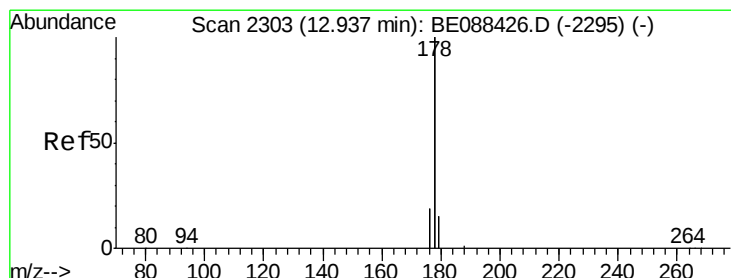
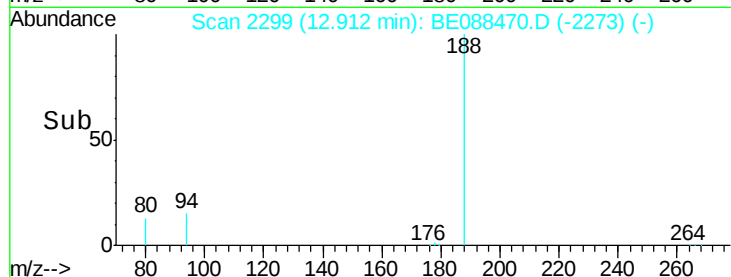
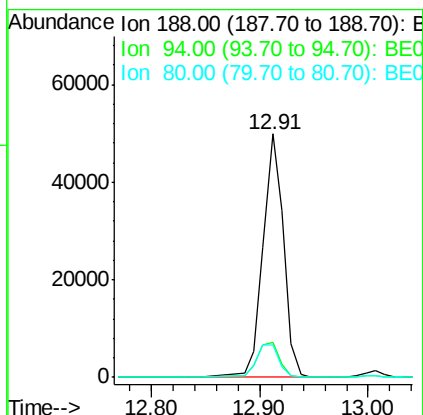
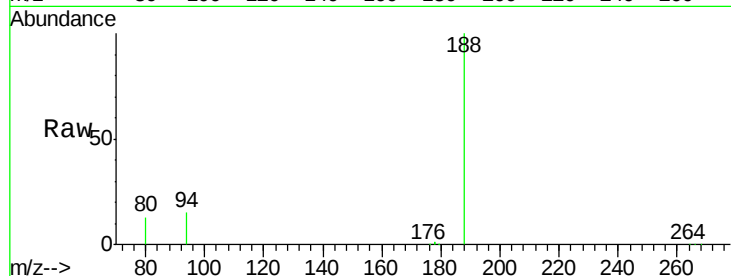
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.91 min Scan# 2299
Delta R.T. 0.01 min
Lab File: BE088470.D
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Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	14.5	11.8	17.8
80	13.4	10.9	16.3

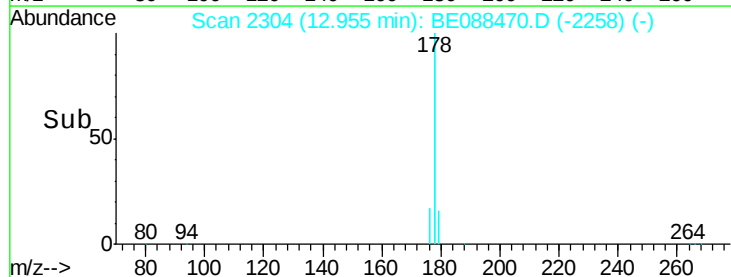
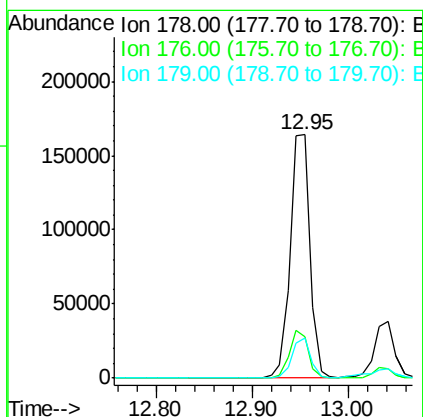
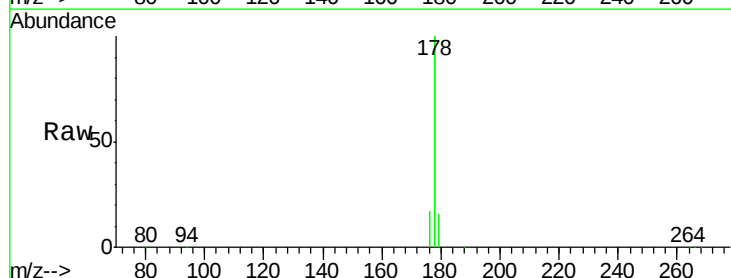
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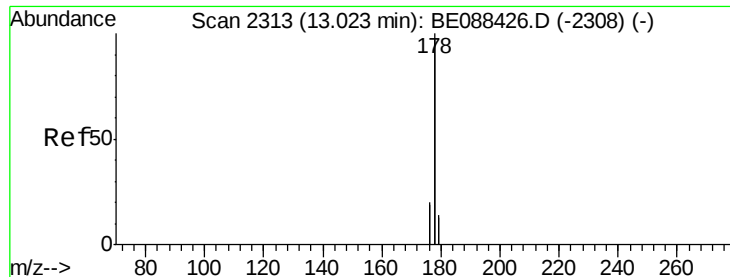
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#13
Phenanthrene
Concen: 3.84 ng
RT: 12.95 min Scan# 2304
Delta R.T. 0.02 min
Lab File: BE088470.D
Acq: 2 Nov 2014 1:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.0	15.4	23.2
179	16.1	12.8	19.2





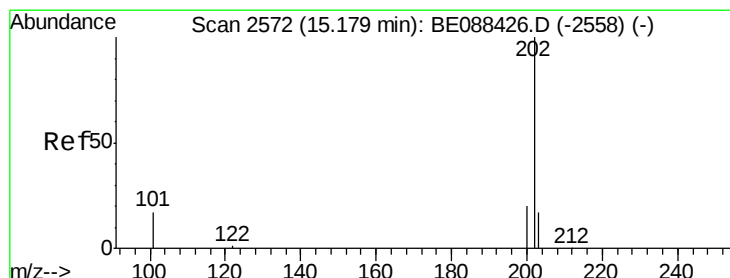
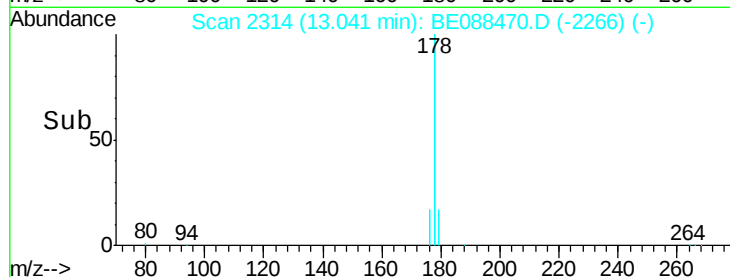
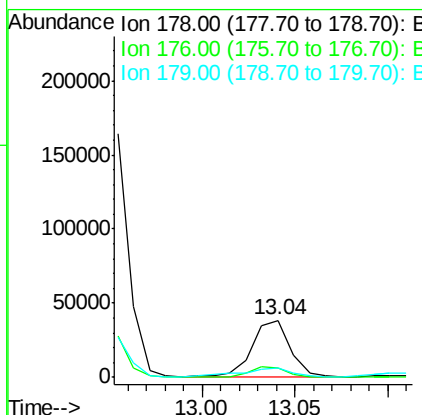
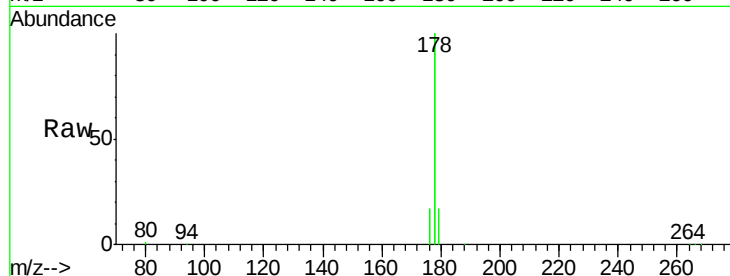
#14
 Anthracene
 Concen: 0.89 ng m
 RT: 13.04 min Scan# 2314
 Delta R.T. 0.02 min
 Lab File: BE088470.D
 Acq: 2 Nov 2014 1:59

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS29-1014DL

Tgt Ion:178 Resp: 56004
 Ion Ratio Lower Upper
 178 100
 176 102.1 15.0 22.4#
 179 86.2 12.5 18.7#

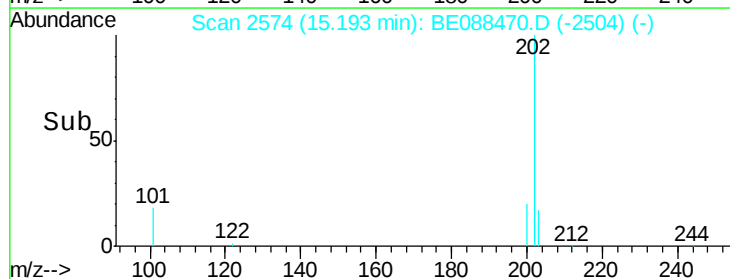
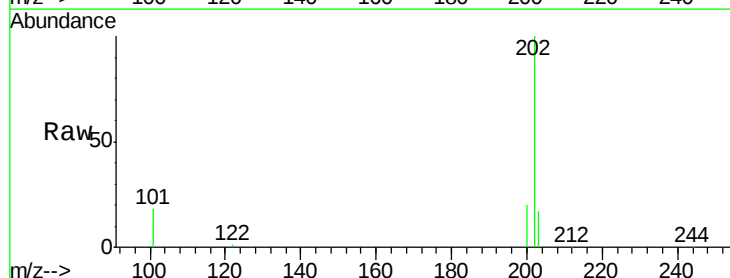
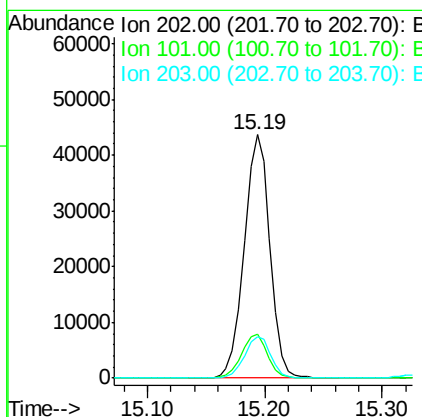
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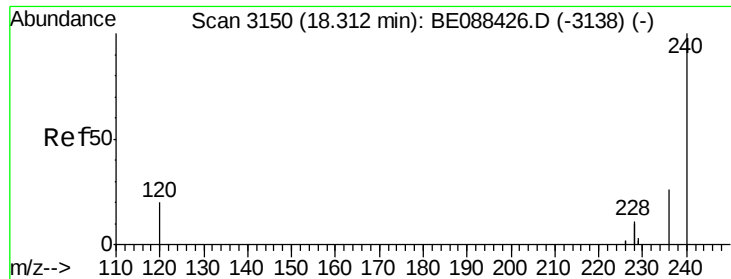
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#15
 Fluoranthene
 Concen: 5.18 ng
 RT: 15.19 min Scan# 2574
 Delta R.T. 0.01 min
 Lab File: BE088470.D
 Acq: 2 Nov 2014 1:59

Tgt Ion:202 Resp: 65851
 Ion Ratio Lower Upper
 202 100
 101 17.7 14.3 21.5
 203 17.2 13.6 20.4





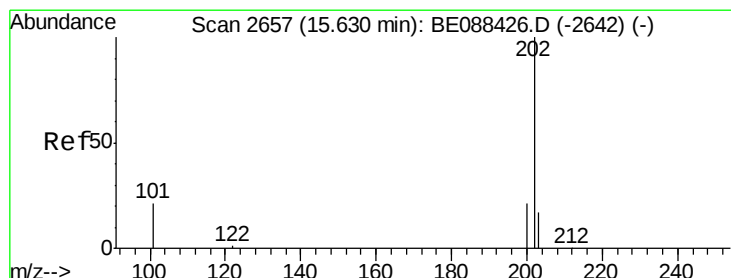
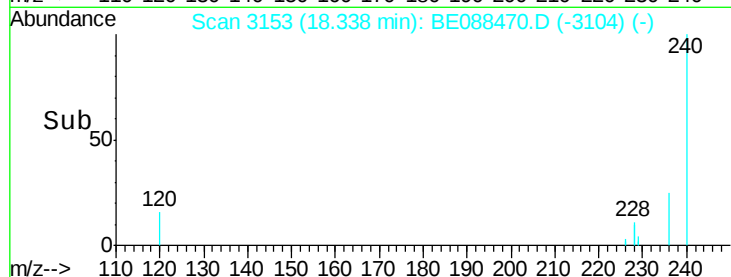
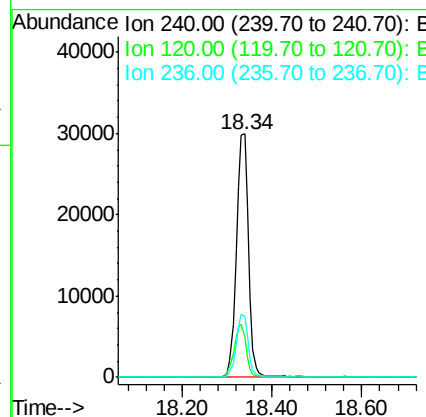
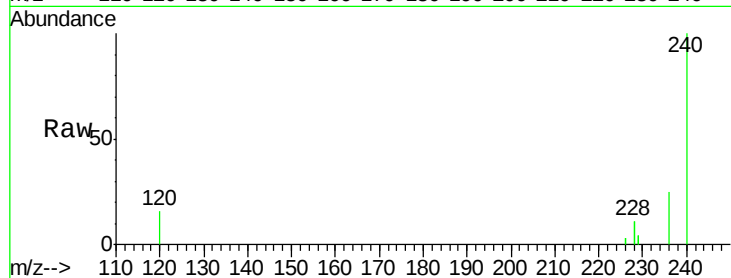
#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.34 min Scan# 3153
Delta R.T. 0.03 min
Lab File: BE088470.D
Acq: 2 Nov 2014 1:59

Instrument :
BNA_E
ClientSampleId :
YS19-SS29-1014DL

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.3	16.4	24.6#
236	25.1	20.5	30.7

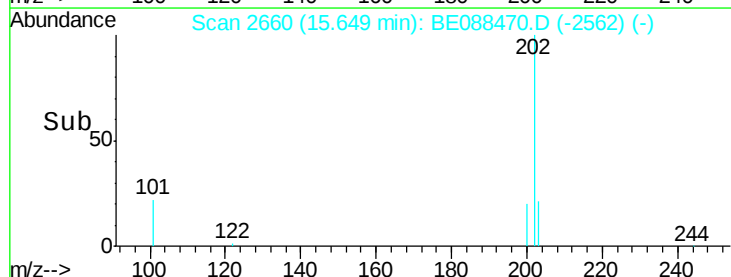
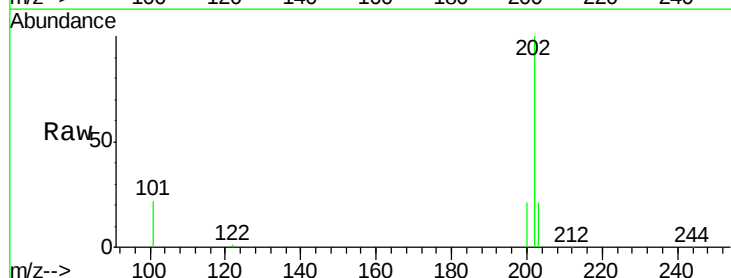
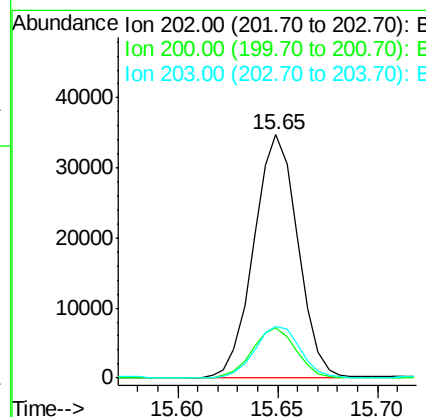
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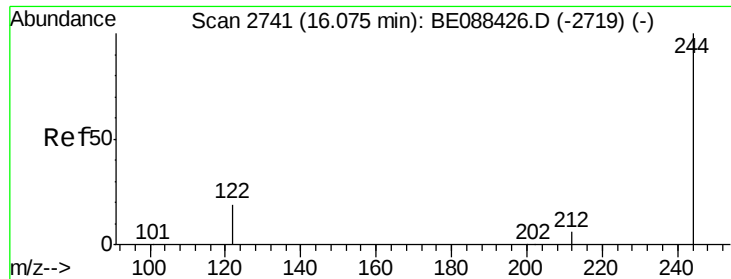
mohammad
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#17
Pyrene
Concen: 2.97 ng m
RT: 15.65 min Scan# 2660
Delta R.T. 0.02 min
Lab File: BE088470.D
Acq: 2 Nov 2014 1:59

Tgt Ion	Ratio	Lower	Upper
202	100		
200	24.4	16.1	24.1#
203	21.1	13.8	20.8#





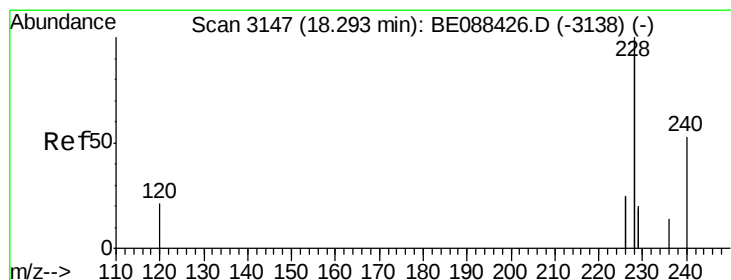
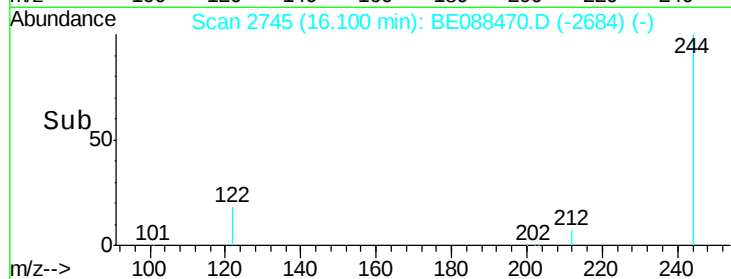
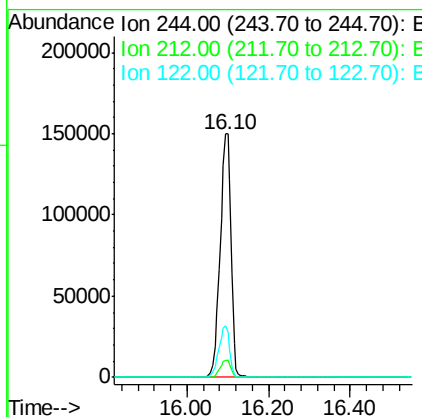
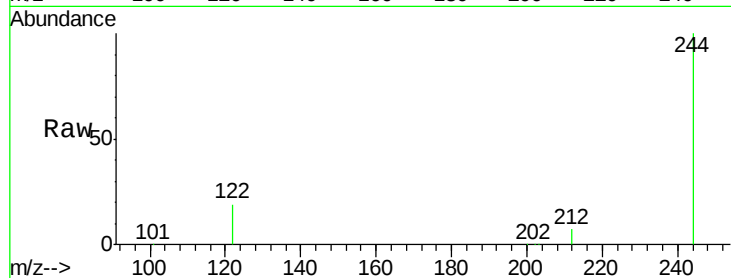
#18
 Terphenyl-d14
 Concen: 27.87 ng
 RT: 16.10 min Scan# 2745
 Delta R.T. 0.02 min
 Lab File: BE088470.D
 Acq: 2 Nov 2014 1:59

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS29-1014DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.0	5.5	8.3
122	18.5	15.6	23.4

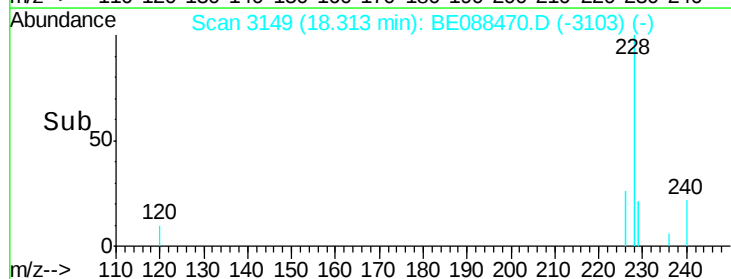
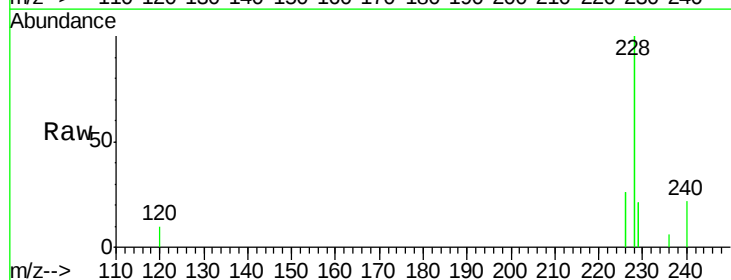
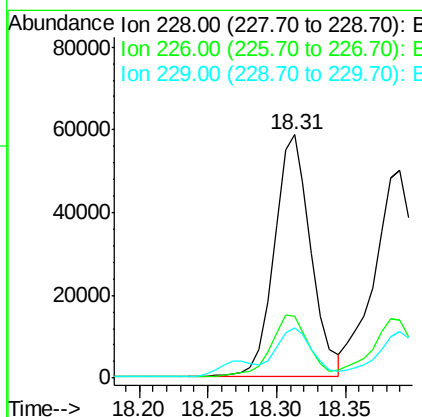
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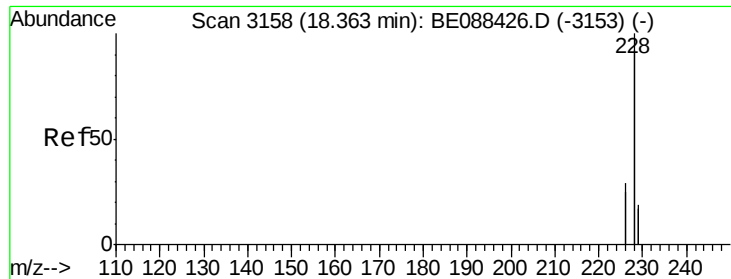
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#19
 Benzo(a)anthracene
 Concen: 2.09 ng
 RT: 18.31 min Scan# 3149
 Delta R.T. 0.02 min
 Lab File: BE088470.D
 Acq: 2 Nov 2014 1:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	25.5	19.8	29.6
229	20.9	16.0	24.0





#20

Chrysene

Concen: 1.98 ng

RT: 18.39 min Scan# 3161

Delta R.T. 0.03 min

Lab File: BE088470.D

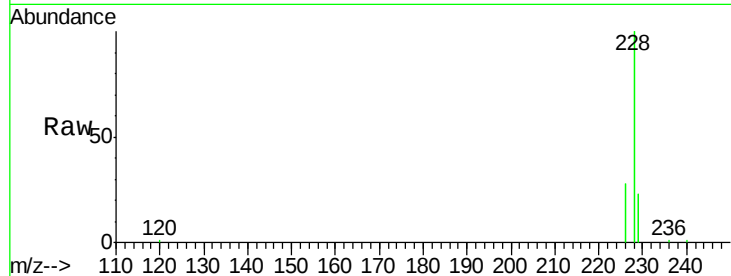
Acq: 2 Nov 2014 1:59

Instrument :

BNA_E

ClientSampleId :

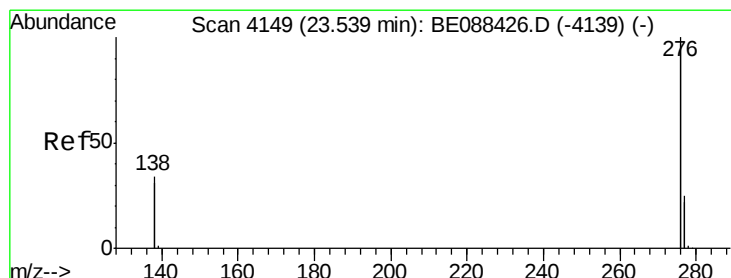
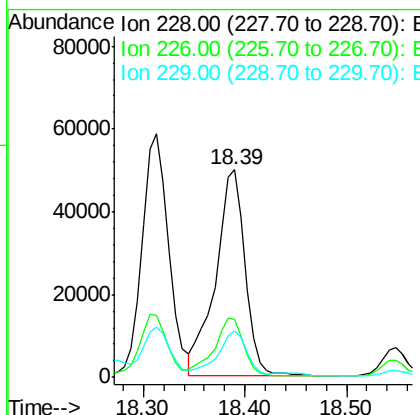
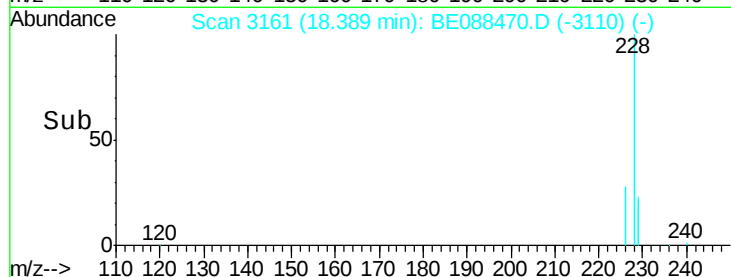
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Tgt Ion:	228	Resp:	100443
Ion Ratio	Lower	Upper	
228	100		
226	28.3	23.6	35.4
229	22.5	15.4	23.2

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#21

Indeno(1,2,3-cd)pyrene

Concen: 1.31 ng

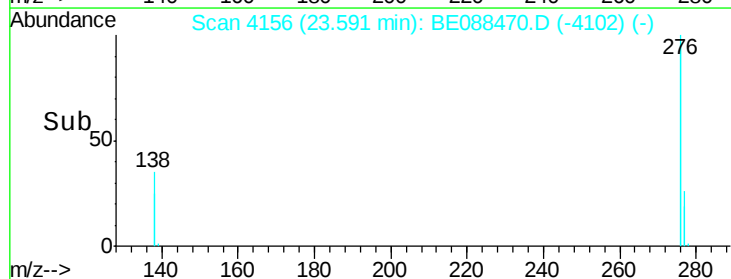
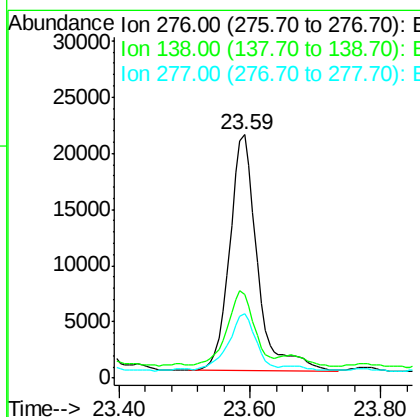
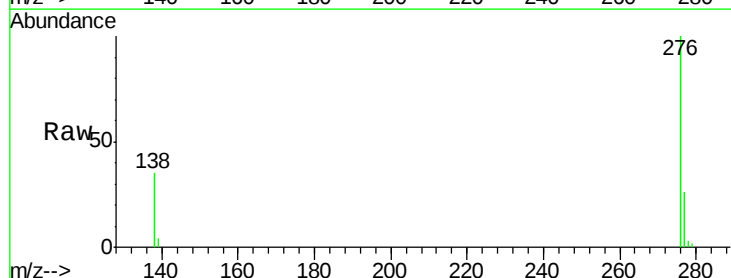
RT: 23.59 min Scan# 4156

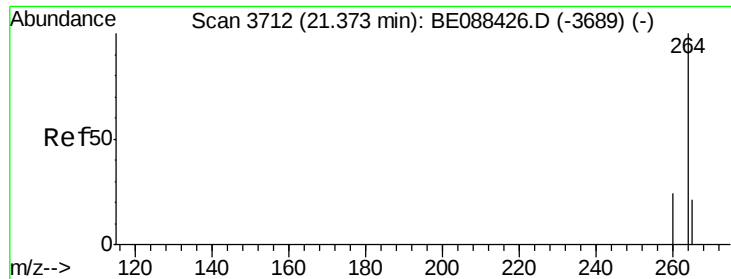
Delta R.T. 0.05 min

Lab File: BE088470.D

Acq: 2 Nov 2014 1:59

Tgt Ion:	276	Resp:	61930
Ion Ratio	Lower	Upper	
276	100		
138	32.2	20.2	30.2#
277	22.8	14.8	22.2#





#22

Perylene-d12

Concen: 5.00 ng

RT: 21.40 min Scan# 3717

Delta R.T. 0.03 min

Lab File: BE088470.D

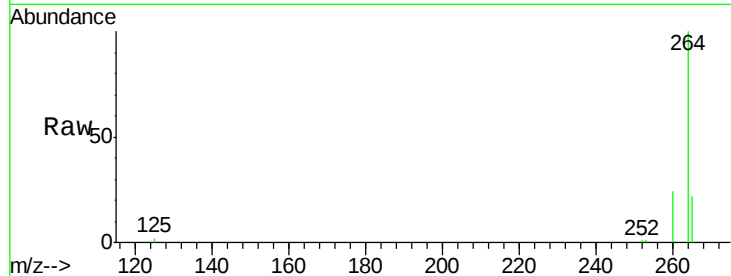
Acq: 2 Nov 2014 1:59

Instrument :

BNA_E

ClientSampleId :

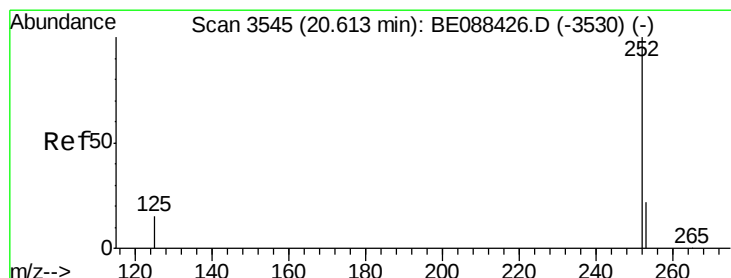
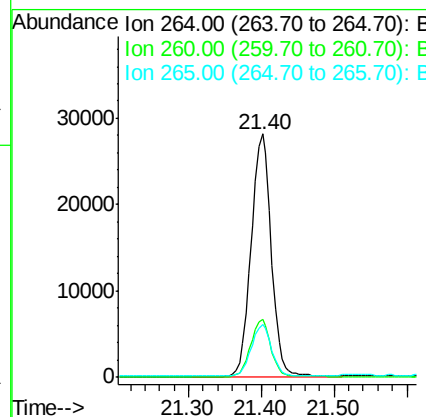
YS19-SS29-1014DL



Tgt Ion:	264	Resp:	53857
Ion Ratio	Lower	Upper	
264	100		
260	23.9	18.9	28.3
265	21.7	17.2	25.8

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#23

Benzo(b)fluoranthene

Concen: 2.68 ng

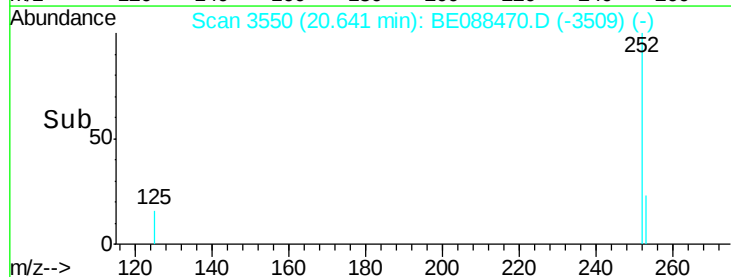
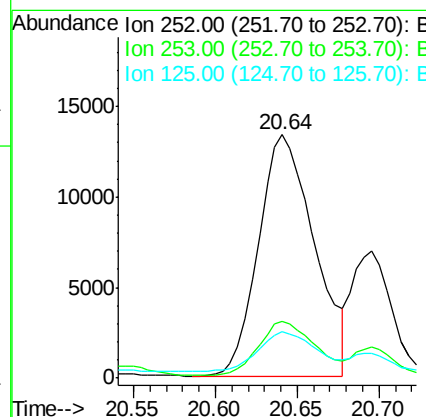
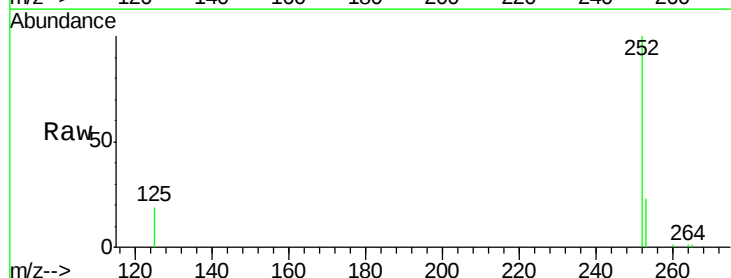
RT: 20.64 min Scan# 3550

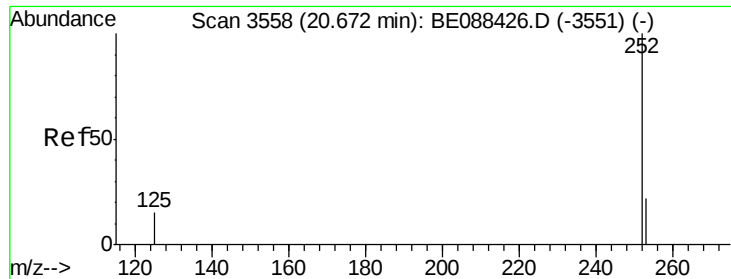
Delta R.T. 0.03 min

Lab File: BE088470.D

Acq: 2 Nov 2014 1:59

Tgt Ion:	252	Resp:	31619
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.8	26.8
125	18.9	12.3	18.5#





#24

Benzo(k)fluoranthene

Concen: 0.89 ng

RT: 20.70 min Scan# 3562

Delta R.T. 0.02 min

Lab File: BE088470.D

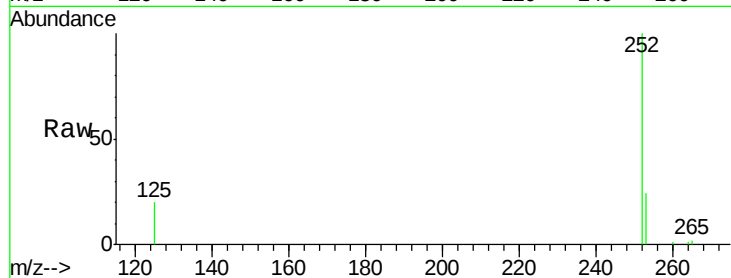
Acq: 2 Nov 2014 1:59

Instrument :

BNA_E

ClientSampleId :

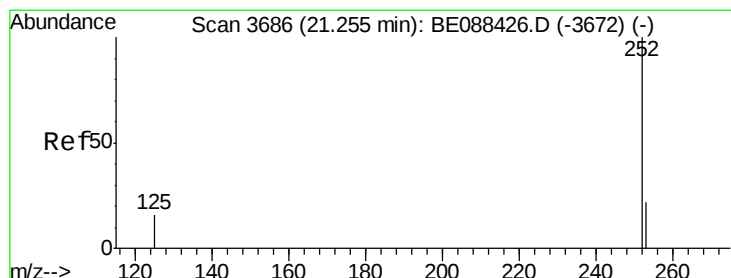
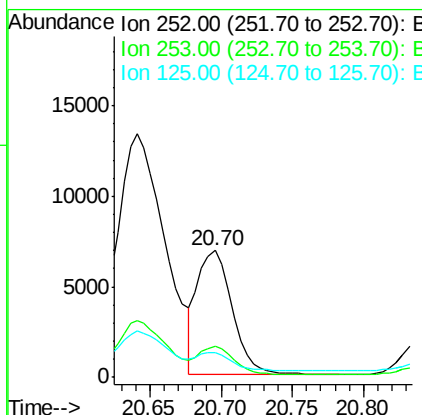
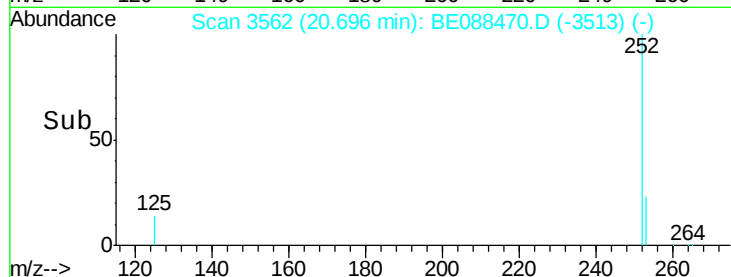
YS19-SS29-1014DL



Tgt Ion:	252	Resp:	11603
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.8	26.8
125	19.6	12.2	18.4

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#25

Benzo(a)pyrene

Concen: 1.98 ng

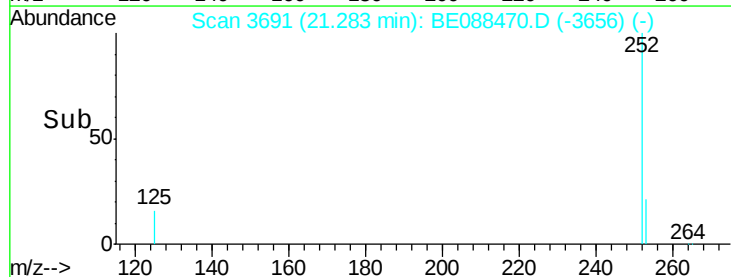
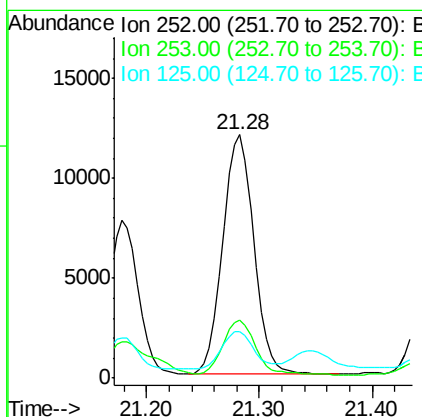
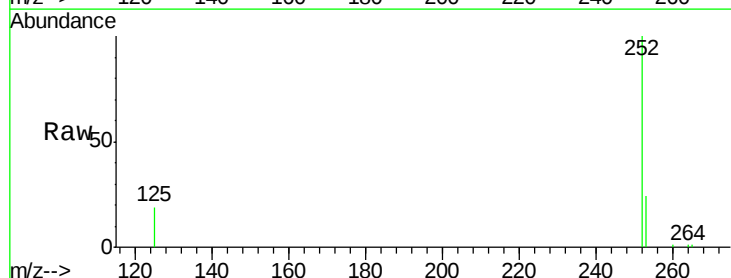
RT: 21.28 min Scan# 3691

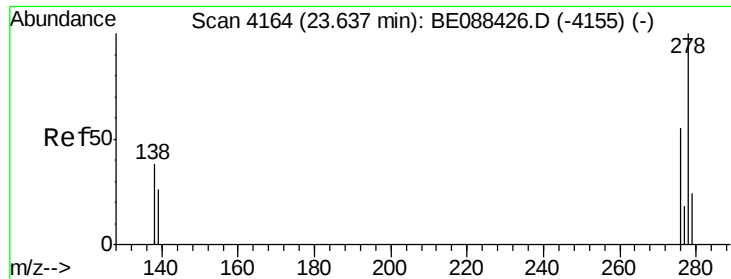
Delta R.T. 0.03 min

Lab File: BE088470.D

Acq: 2 Nov 2014 1:59

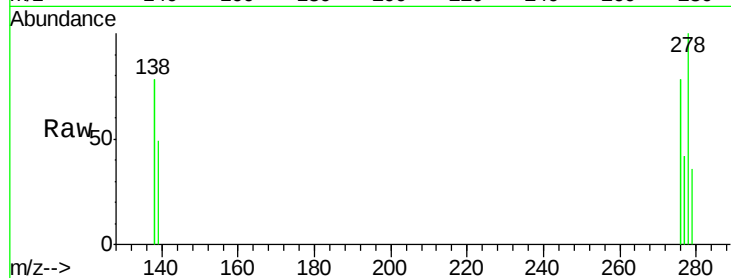
Tgt Ion:	252	Resp:	22442
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.2	27.4
125	19.1	13.7	20.5





#26
Dibenzo(a,h)anthracene
Concen: 0.30 ng
RT: 23.67 min Scan# 4168
Delta R.T. 0.03 min
Lab File: BE088470.D
Acq: 2 Nov 2014 1:59

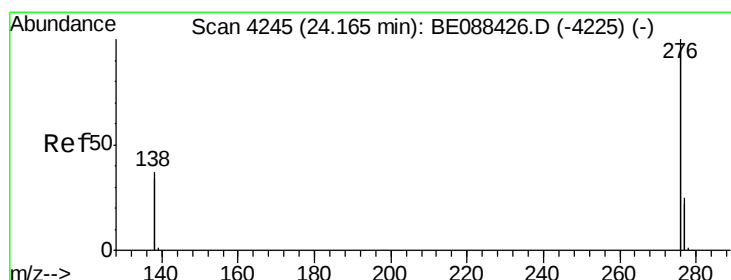
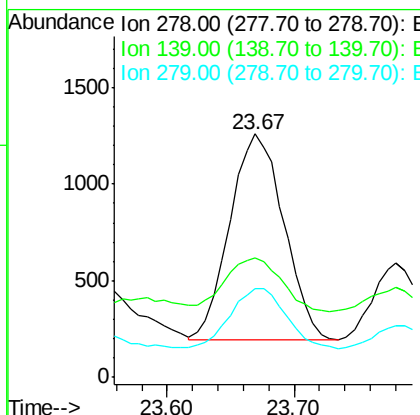
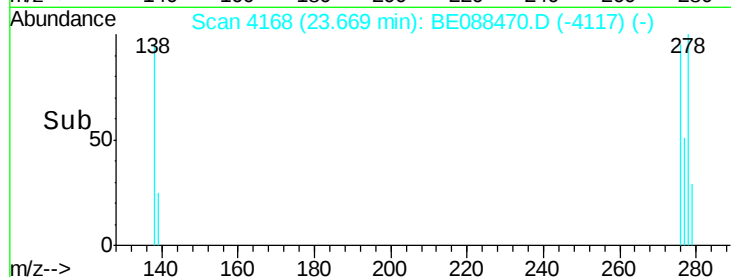
Instrument :
BNA_E
ClientSampleId :
YS19-SS29-1014DL



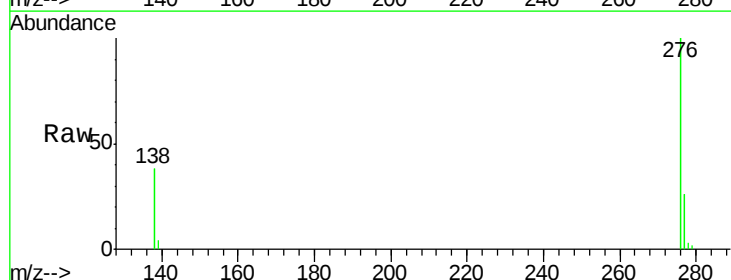
Tgt Ion: 278 Resp: 3152
Ion Ratio Lower Upper
278 100
139 49.2 22.1 33.1#
279 36.3 19.7 29.5#

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#27
Benzo(g,h,i)perylene
Concen: 1.16 ng
RT: 24.22 min Scan# 4253
Delta R.T. 0.06 min
Lab File: BE088470.D
Acq: 2 Nov 2014 1:59



Tgt Ion: 276 Resp: 55899
Ion Ratio Lower Upper
276 100
277 26.2 19.8 29.6
138 38.4 29.3 43.9

