

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
 Data File : BE088234.D
 Acq On : 25 Oct 2014 6:08
 Operator : TP/JJ
 Sample : F4368-23
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB43P-1014

Manual Integrations
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Quant Time: Oct 27 14:30:38 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102414.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 27 13:04:40 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.11	152	32067	5.00	ng	0.00
3) Naphthalene-d8	8.68	136	122447	5.00	ng	0.00
7) Acenaphthene-d10	10.83	164	66342	5.00	ng	0.00
12) Phenanthrene-d10	12.93	188	140048	5.00	ng	0.00
16) Chrysene-d12	18.35	240	73772	5.00	ng	0.00
22) Perylene-d12	21.40	264	55495	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.81	82	394864	42.69	ng	0.01
8) 2-Fluorobiphenyl	10.02	172	545135	29.47	ng	0.00
18) Terphenyl-d14	16.13	244	512918	42.45	ng	0.03
Target Compounds						
9) Acenaphthylene	10.64	152	2389	0.02	ng	Qvalue # 91
11) Fluorene	11.52	166	501	0.03	ng	# 92
13) Phenanthrene	12.97	178	3635m	0.03	ng	
14) Anthracene	13.06	178	4205m	0.04	ng	
15) Fluoranthene	15.21	202	753	0.04	ng	98
17) Pyrene	15.66	202	785	0.04	ng	99
19) Benzo(a)anthracene	18.33	228	3650	0.06	ng	# 85
20) Chrysene	18.40	228	2998	0.05	ng	# 81

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

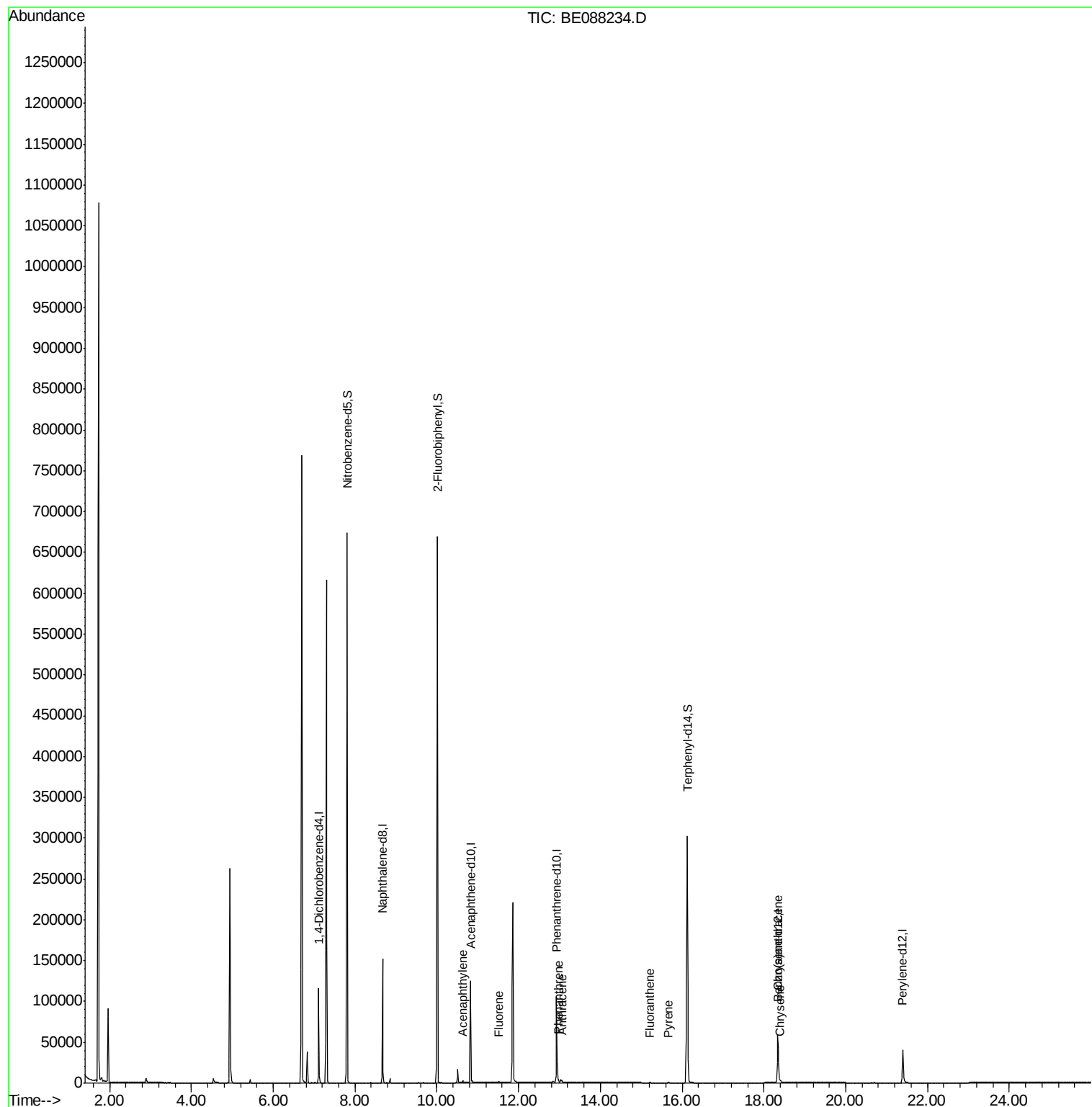
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
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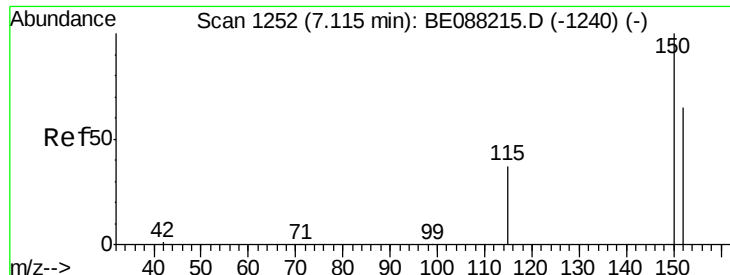
Instrument :
BNA_E
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YS19-SB43P-1014

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.11 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BE088234.D

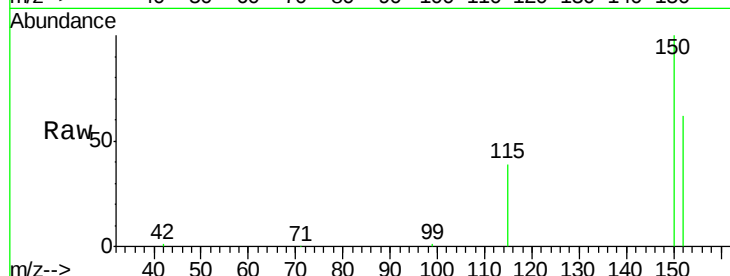
Acq: 25 Oct 2014 6:08

Instrument :

BNA_E

ClientSampleId :

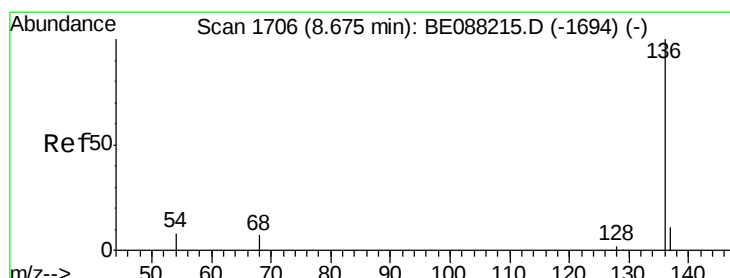
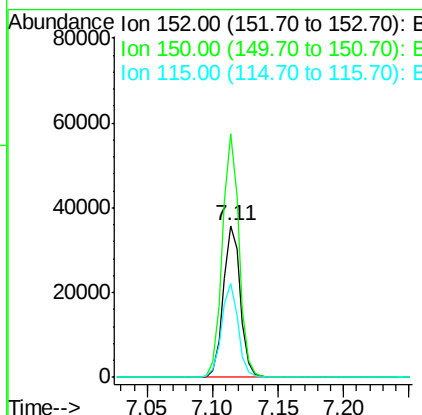
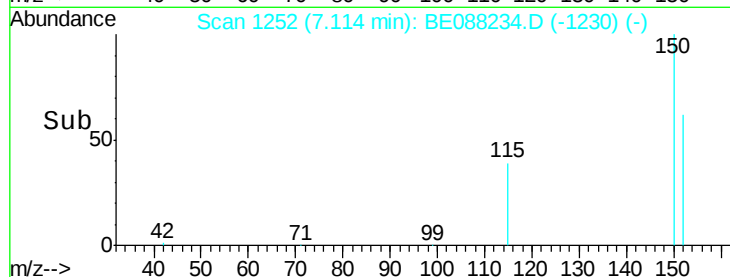
YS19-SB43P-1014



Tgt Ion:	152	Resp:	32067
Ion Ratio	Lower	Upper	
152	100		
150	160.3	123.2	184.8
115	62.1	45.3	67.9

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#3

Naphthalene-d8

Concen: 5.00 ng

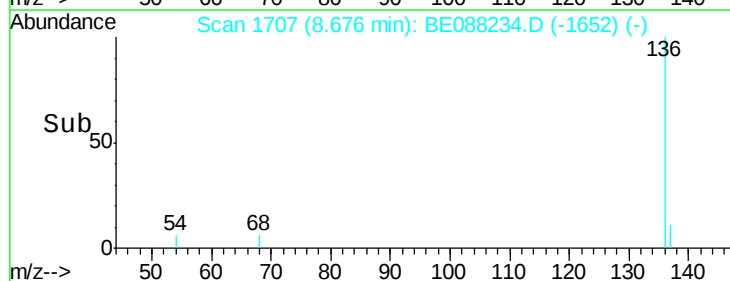
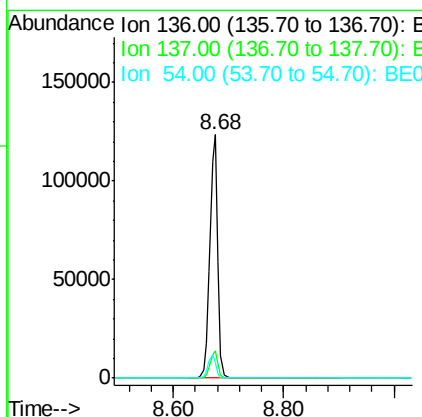
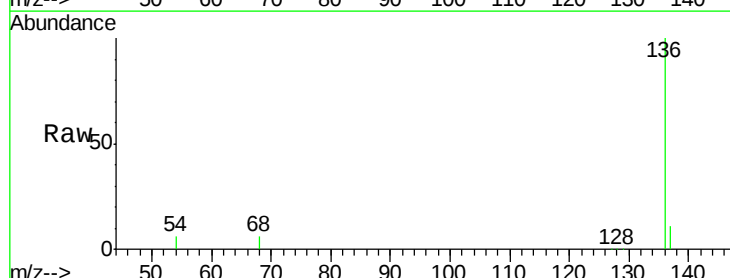
RT: 8.68 min Scan# 1707

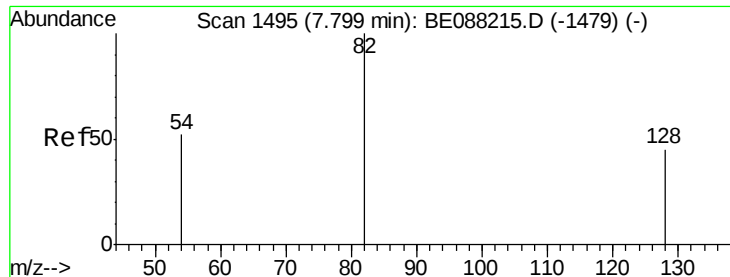
Delta R.T. 0.00 min

Lab File: BE088234.D

Acq: 25 Oct 2014 6:08

Tgt Ion:	136	Resp:	122447
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.7	13.1
54	6.3	6.1	9.1





#4

Nitrobenzene-d5

Concen: 42.69 ng

RT: 7.81 min Scan# 1500

Delta R.T. 0.01 min

Lab File: BE088234.D

Acq: 25 Oct 2014 6:08

Instrument :

BNA_E

ClientSampleId :

YS19-SB43P-1014

Tgt Ion: 82 Resp: 394864

Ion Ratio Lower Upper

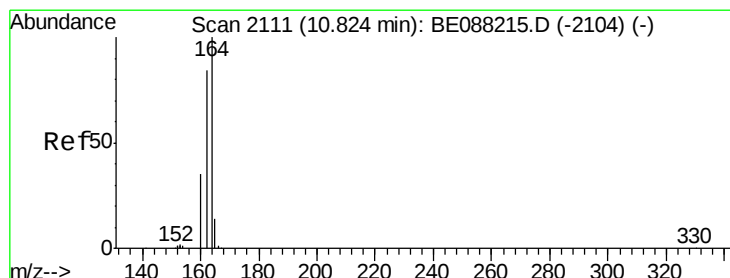
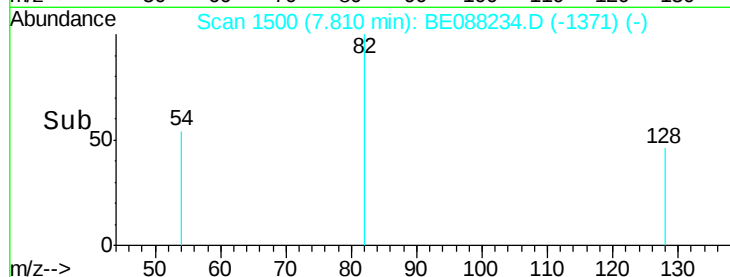
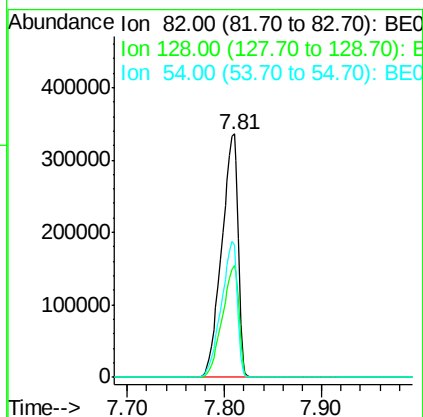
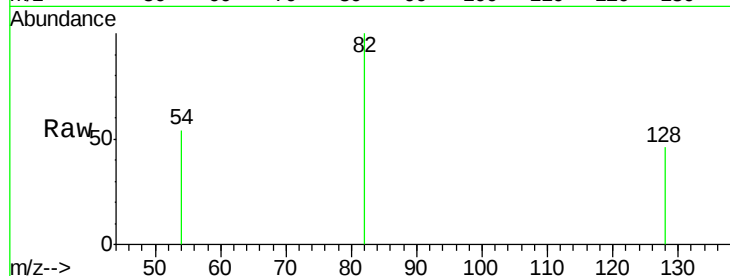
82 100

128 46.2 36.2 54.2

54 54.4 41.8 62.8

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#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.83 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BE088234.D

Acq: 25 Oct 2014 6:08

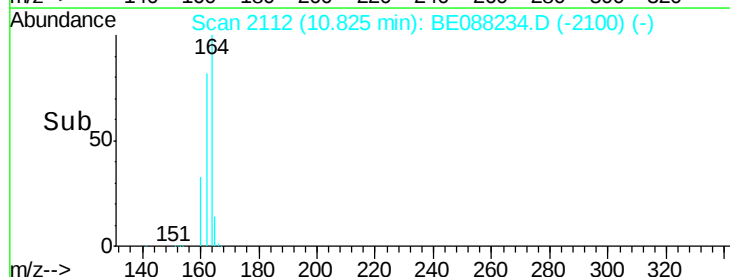
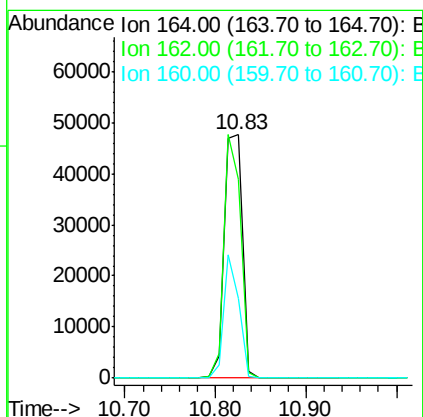
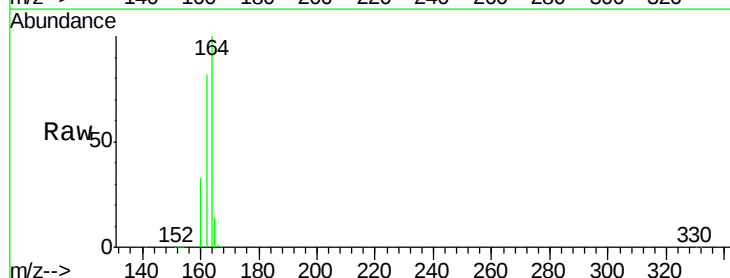
Tgt Ion: 164 Resp: 66342

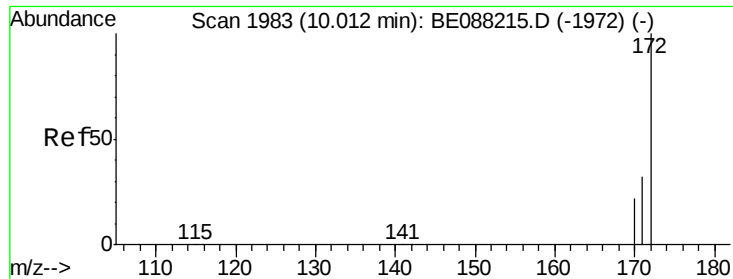
Ion Ratio Lower Upper

164 100

162 81.6 67.4 101.0

160 32.9 27.7 41.5





#8

2-Fluorobiphenyl

Concen: 29.47 ng

RT: 10.02 min Scan# 1986

Delta R.T. 0.01 min

Lab File: BE088234.D

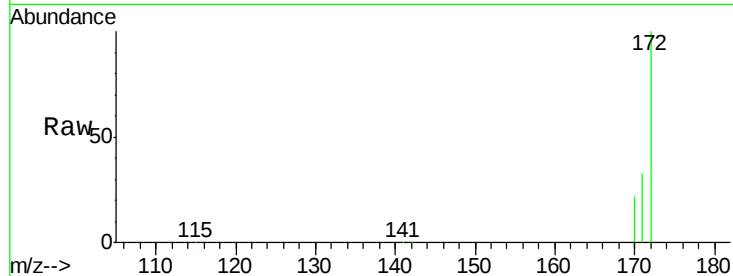
Acq: 25 Oct 2014 6:08

Instrument :

BNA_E

ClientSampleId :

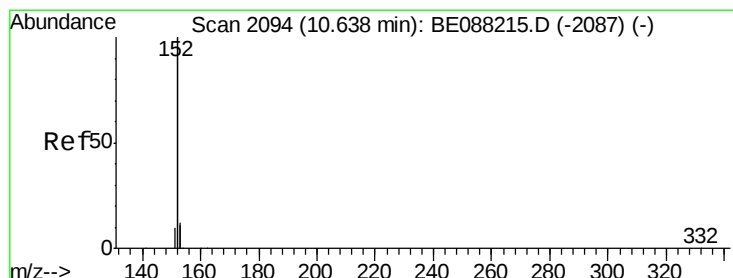
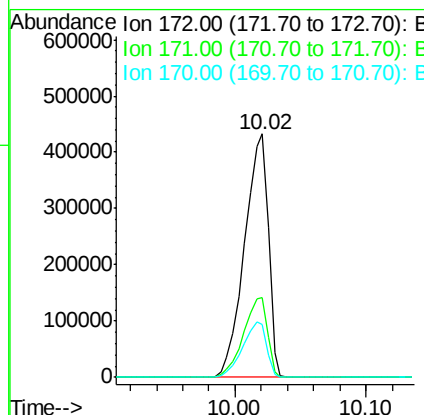
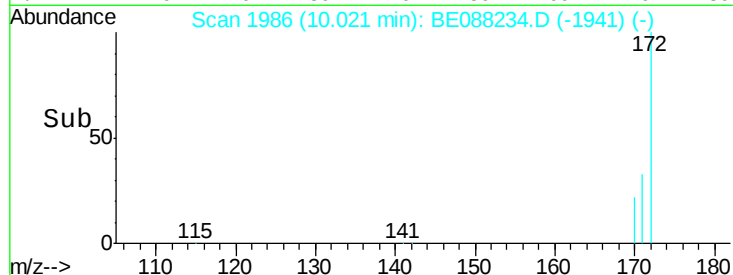
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Tgt Ion	Ratio	Resp	Lower	Upper
172	100	545135		
171	32.6	25.8	38.6	
170	21.7	17.4	26.0	

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#9

Acenaphthylene

Concen: 0.02 ng

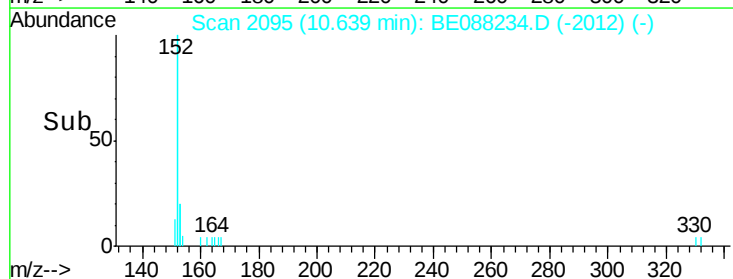
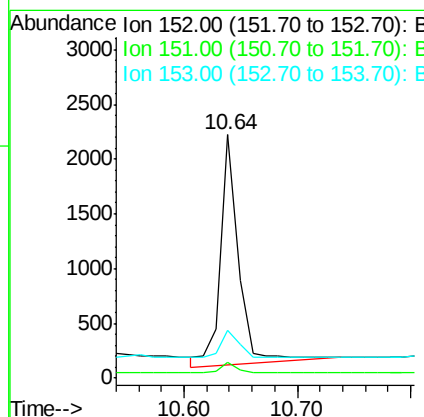
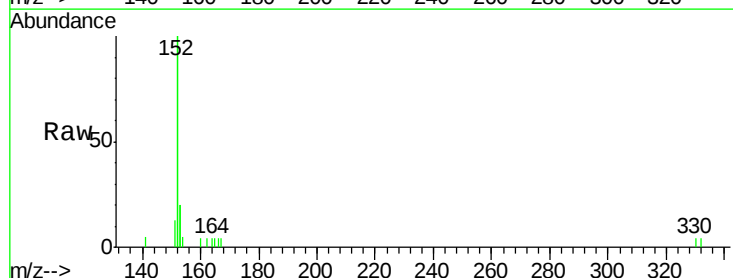
RT: 10.64 min Scan# 2095

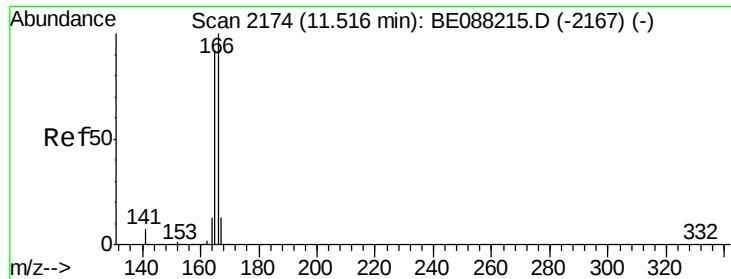
Delta R.T. 0.00 min

Lab File: BE088234.D

Acq: 25 Oct 2014 6:08

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	2389		
151	4.0	3.7	5.5	
153	17.6	10.3	15.5	





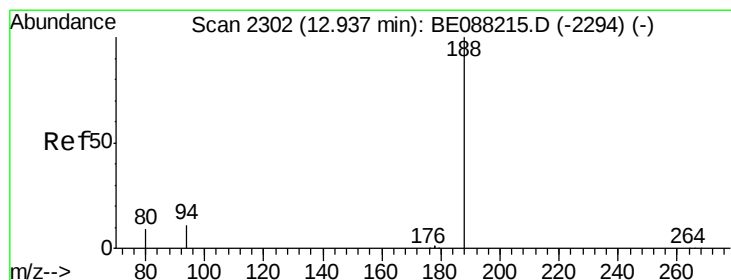
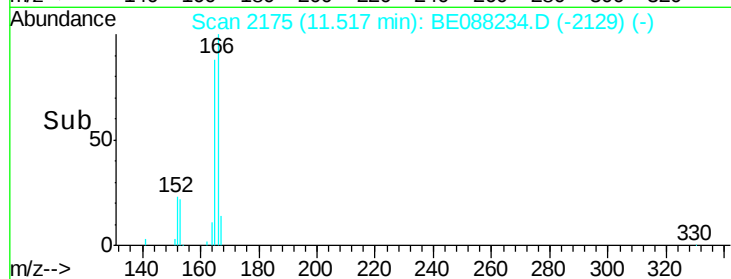
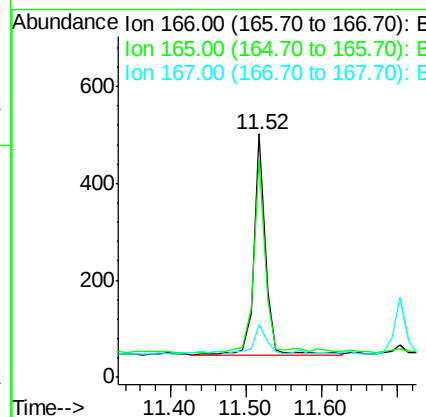
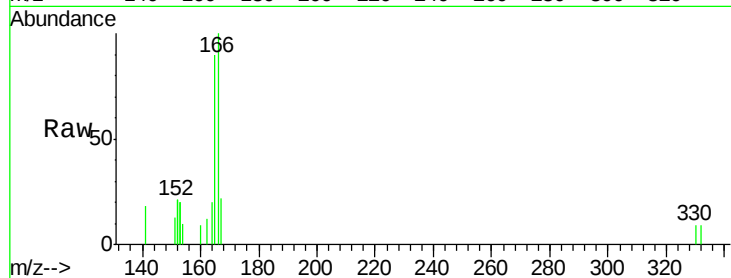
#11
Fluorene
 Concen: 0.03 ng
 RT: 11.52 min Scan# 2175
 Delta R.T. 0.00 min
 Lab File: BE088234.D
 Acq: 25 Oct 2014 6:08

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB43P-1014

Tgt Ion	Ratio	Lower	Upper
166	100		
165	85.2	71.8	107.6
167	0.0	10.7	16.1#

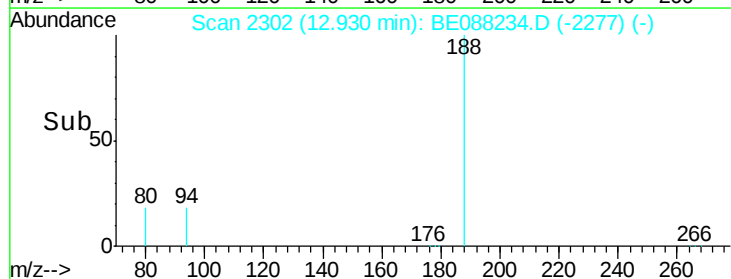
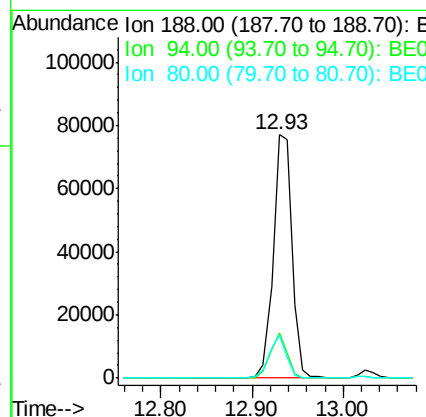
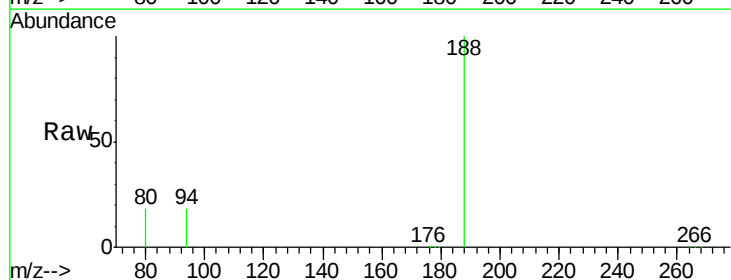
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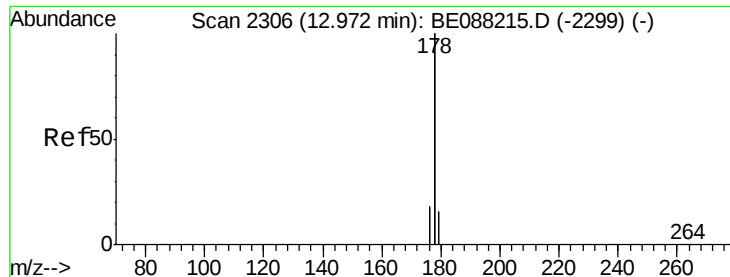
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#12
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.93 min Scan# 2302
 Delta R.T. -0.01 min
 Lab File: BE088234.D
 Acq: 25 Oct 2014 6:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	18.4	8.5	12.7#
80	17.7	7.4	11.0#





#13

Phenanthrene

Concen: 0.03 ng m

RT: 12.97 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BE088234.D

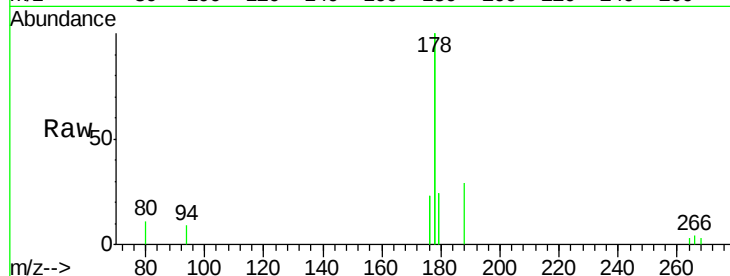
Acq: 25 Oct 2014 6:08

Instrument :

BNA_E

ClientSampleId :

YS19-SB43P-1014



Tgt Ion:178 Resp: 3635

Ion Ratio Lower Upper

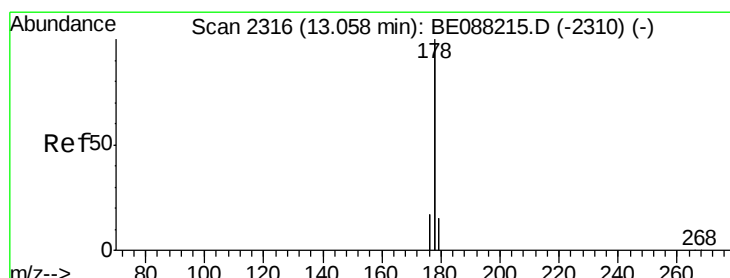
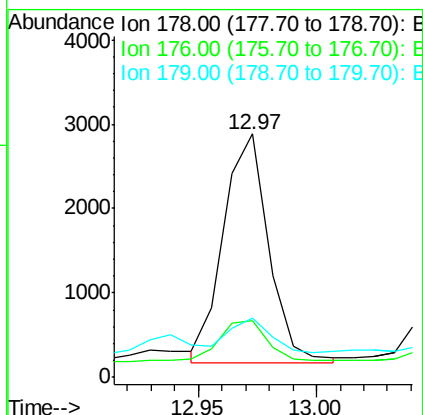
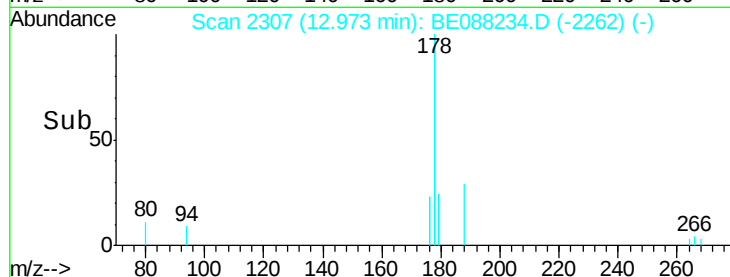
178 100

176 32.9 14.0 21.0#

179 24.4 11.8 17.6#

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#14

Anthracene

Concen: 0.04 ng m

RT: 13.06 min Scan# 2317

Delta R.T. 0.00 min

Lab File: BE088234.D

Acq: 25 Oct 2014 6:08

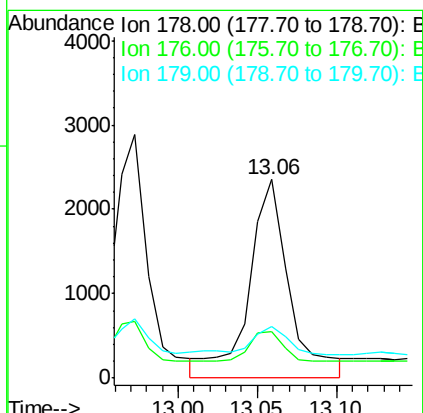
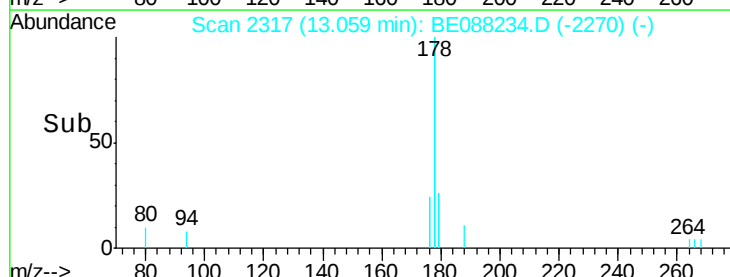
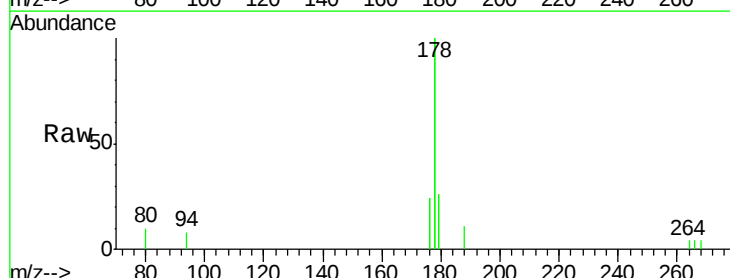
Tgt Ion:178 Resp: 4205

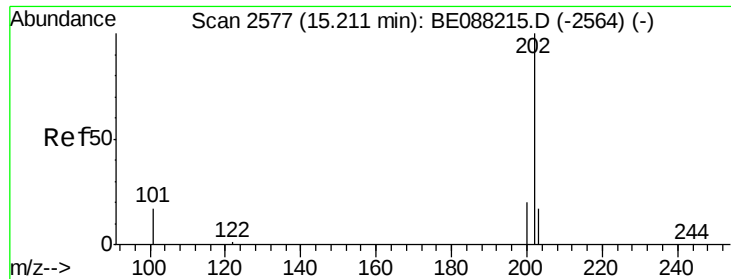
Ion Ratio Lower Upper

178 100

176 28.5 14.7 22.1#

179 21.1 12.3 18.5#





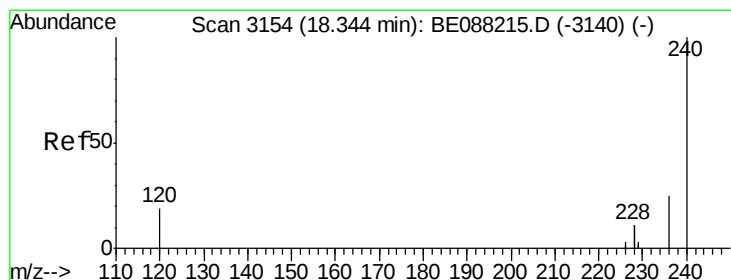
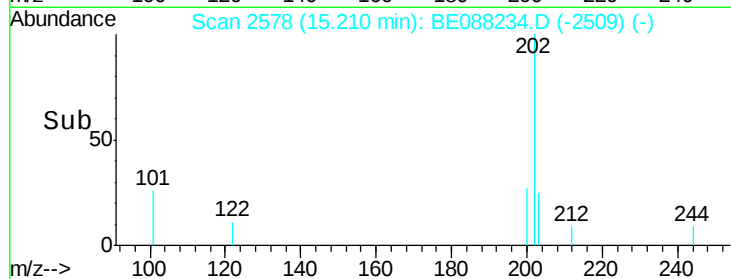
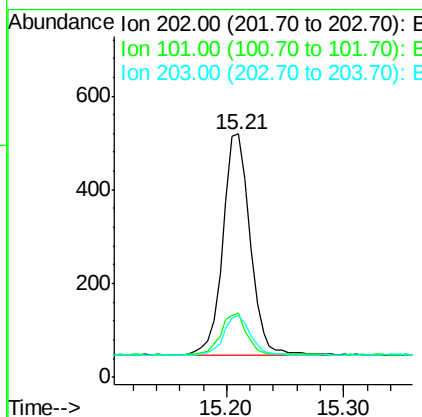
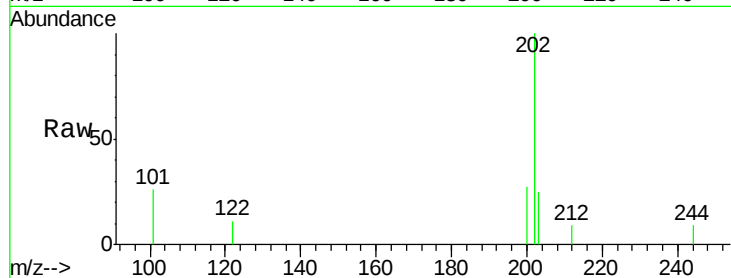
#15
 Fluoranthene
 Concen: 0.04 ng
 RT: 15.21 min Scan# 2578
 Delta R.T. -0.00 min
 Lab File: BE088234.D
 Acq: 25 Oct 2014 6:08

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Tgt Ion:	202	Resp:	753
Ion	Ratio	Lower	Upper
202	100		
101	17.3	14.4	21.6
203	17.7	13.4	20.2

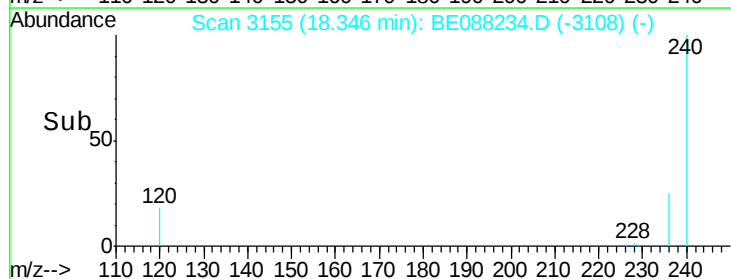
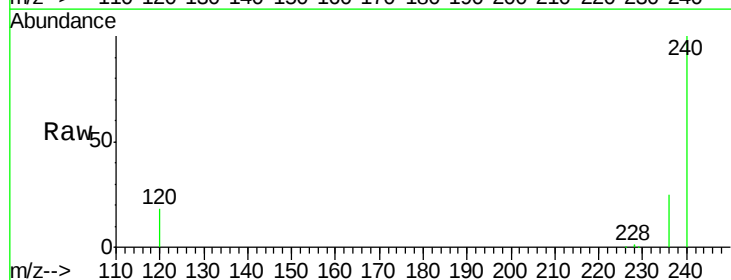
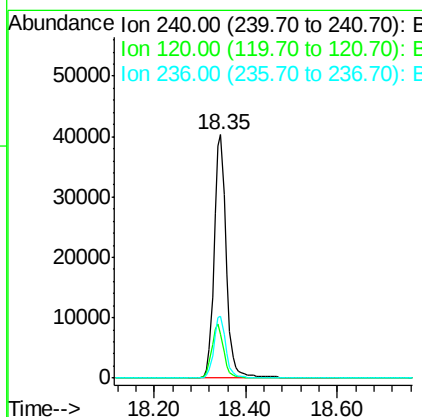
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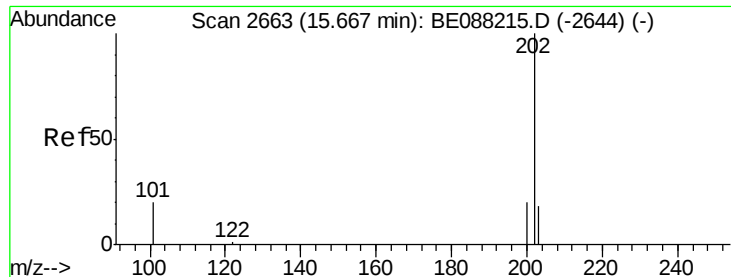
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#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.35 min Scan# 3155
 Delta R.T. 0.00 min
 Lab File: BE088234.D
 Acq: 25 Oct 2014 6:08

Tgt Ion:	240	Resp:	73772
Ion	Ratio	Lower	Upper
240	100		
120	17.9	15.1	22.7
236	25.2	20.1	30.1





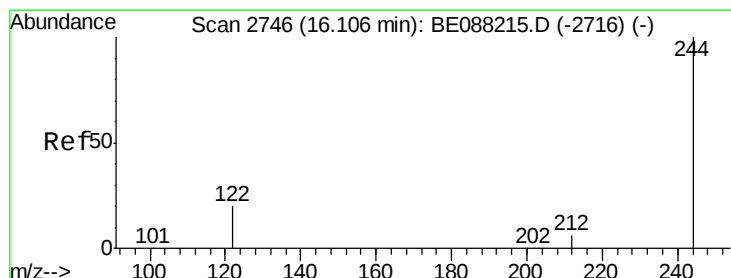
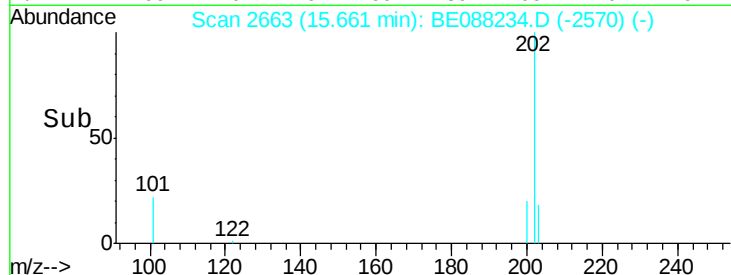
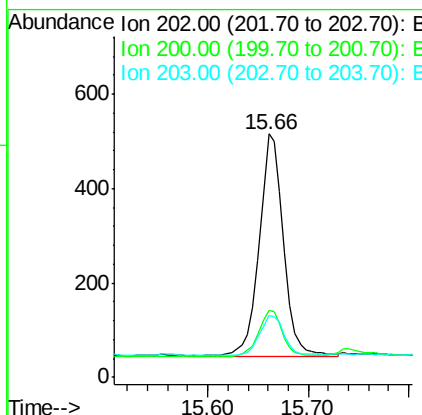
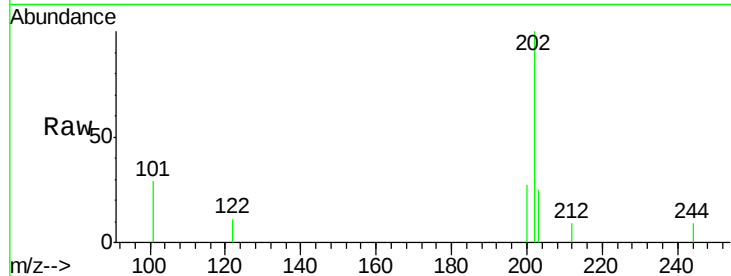
#17
Pyrene
Concen: 0.04 ng
RT: 15.66 min Scan# 2663
Delta R.T. -0.01 min
Lab File: BE088234.D
Acq: 25 Oct 2014 6:08

Instrument :
BNA_E
ClientSampleId :
YS19-SB43P-1014

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.2	24.2
203	18.2	13.8	20.8

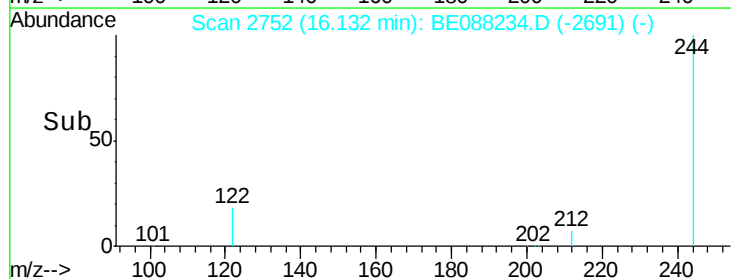
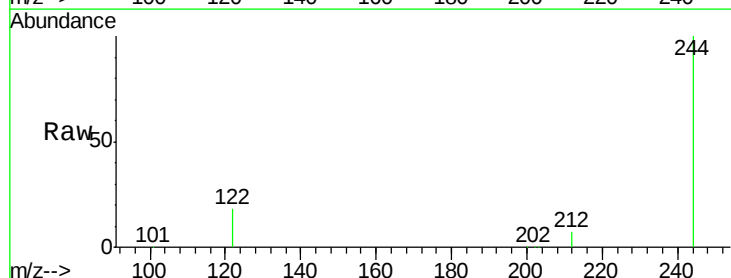
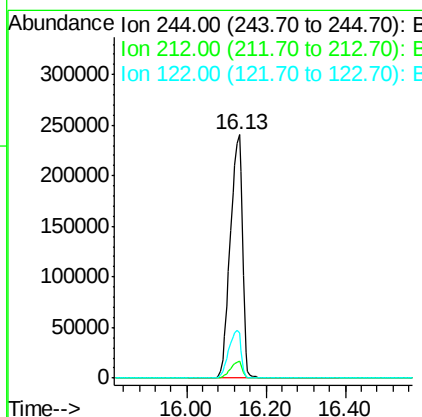
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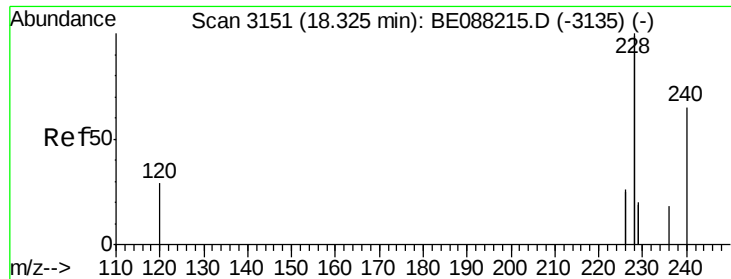
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#18
Terphenyl-d14
Concen: 42.45 ng
RT: 16.13 min Scan# 2752
Delta R.T. 0.03 min
Lab File: BE088234.D
Acq: 25 Oct 2014 6:08

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	18.3	16.7	25.1





#19

Benzo(a)anthracene

Concen: 0.06 ng

RT: 18.33 min Scan# 3152

Delta R.T. 0.00 min

Lab File: BE088234.D

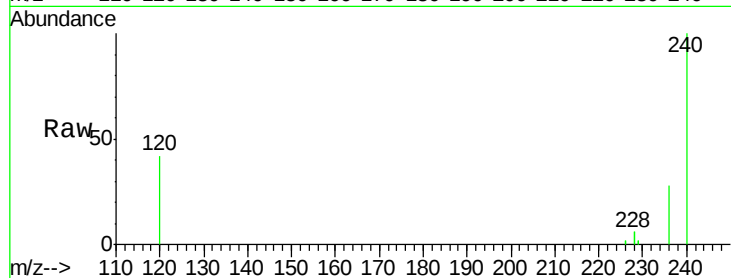
Acq: 25 Oct 2014 6:08

Instrument :

BNA_E

ClientSampleId :

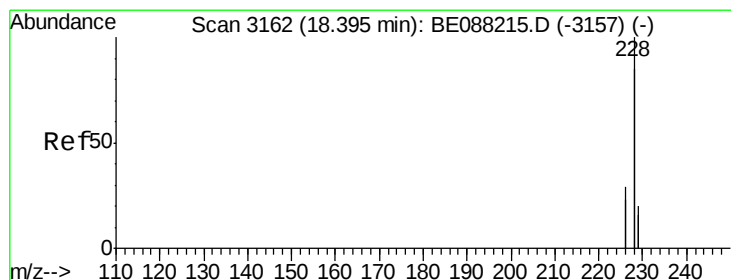
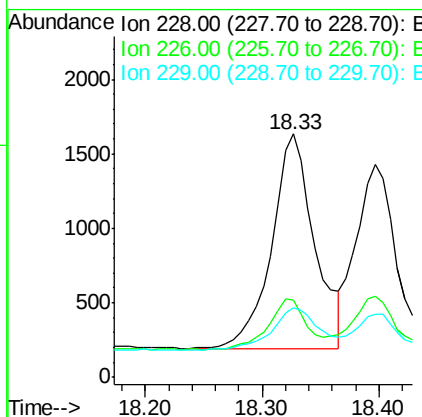
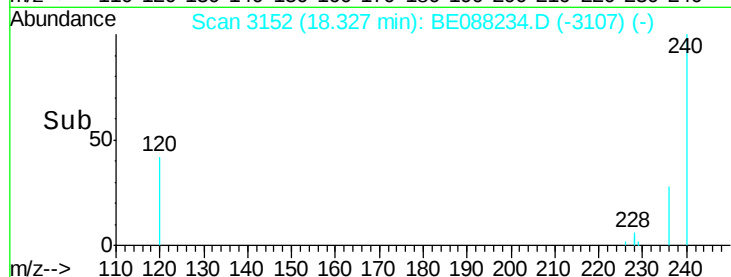
YS19-SB43P-1014



Tgt Ion:	228	Resp:	3650
Ion Ratio	Lower	Upper	
228	100		
226	31.6	20.5	30.7#
229	28.4	16.1	24.1#

Manual Integrations
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mohammad
10/28/2014 12:22:56 PM



#20

Chrysene

Concen: 0.05 ng

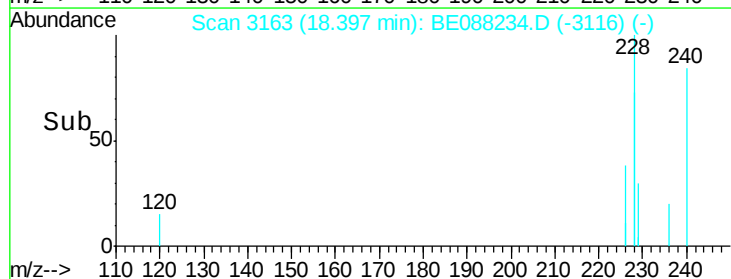
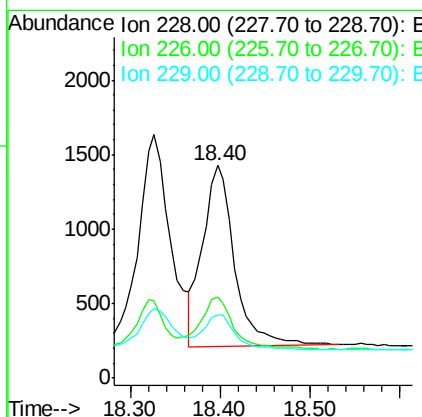
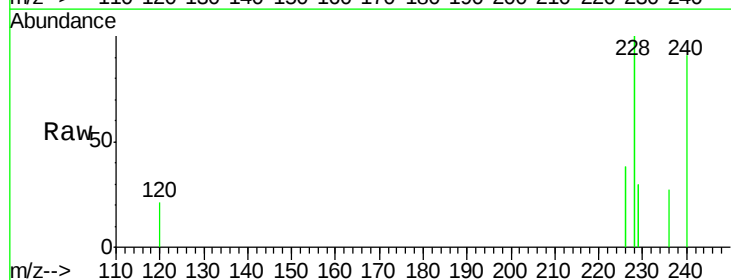
RT: 18.40 min Scan# 3163

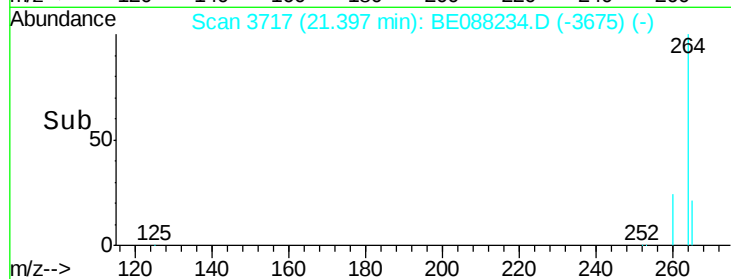
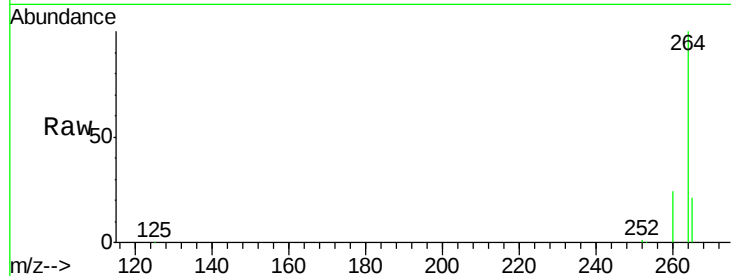
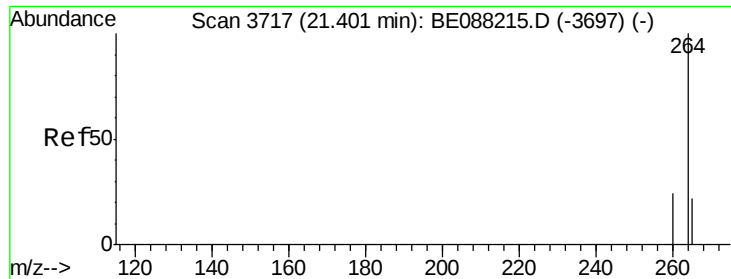
Delta R.T. 0.00 min

Lab File: BE088234.D

Acq: 25 Oct 2014 6:08

Tgt Ion:	228	Resp:	2998
Ion Ratio	Lower	Upper	
228	100		
226	38.1	23.3	34.9#
229	30.0	15.6	23.4#





#22
Perylene-d12
Concen: 5.00 ng
RT: 21.40 min Scan# 3717
Delta R.T. -0.00 min
Lab File: BE088234.D
Acq: 25 Oct 2014 6:08

Tgt Ion:	264	Resp:	55495
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.0	28.4
265	21.5	17.4	26.2

Instrument :
BNA_E
ClientSampleId :
YS19-SB43P-1014

Manual Integrations
APPROVED

mohammad
10/28/2014 12:22:56 PM

