

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
 Data File : BE088240.D
 Acq On : 25 Oct 2014 9:28
 Operator : TP/JJ
 Sample : F4368-03
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS33-1014

Manual Integrations
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Quant Time: Oct 27 15:04:43 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	7.12	152	26841	5.00	ng	0.00
3) Naphthalene-d8	8.68	136	108482	5.00	ng	0.00
7) Acenaphthene-d10	10.83	164	56733	5.00	ng	0.00
12) Phenanthrene-d10	12.94	188	112242	5.00	ng	0.00
16) Chrysene-d12	18.34	240	52216	5.00	ng	0.00
22) Perylene-d12	21.40	264	44494	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.81	82	471980	57.55	ng	0.02
8) 2-Fluorobiphenyl	10.02	172	547119	34.58	ng	0.00
18) Terphenyl-d14	16.13	244	444751	52.01	ng	0.02
Target Compounds						Qvalue
9) Acenaphthylene	10.64	152	5540	0.07	ng	# 94
10) Acenaphthene	10.86	154	1226	0.09	ng	89
11) Fluorene	11.52	166	1614	0.12	ng	94
13) Phenanthrene	12.97	178	151945	1.40	ng	94
14) Anthracene	13.06	178	27729m	0.35	ng	
15) Fluoranthene	15.21	202	48543	2.96	ng	99
17) Pyrene	15.67	202	40711m	2.84	ng	
19) Benzo(a)anthracene	18.33	228	63779	1.55	ng	99
20) Chrysene	18.40	228	68404	1.47	ng	99
21) Indeno(1,2,3-cd)pyrene	23.57	276	34171	0.91	ng	# 75
23) Benzo(b)fluoranthene	20.64	252	17792	2.00	ng	98
24) Benzo(k)fluoranthene	20.70	252	7274	0.63	ng	96
25) Benzo(a)pyrene	21.28	252	11484	1.36	ng	98
26) Dibenzo(a,h)anthracene	23.67	278	1728	0.39	ng	# 86
27) Benzo(g,h,i)perylene	24.20	276	32614	0.91	ng	98

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

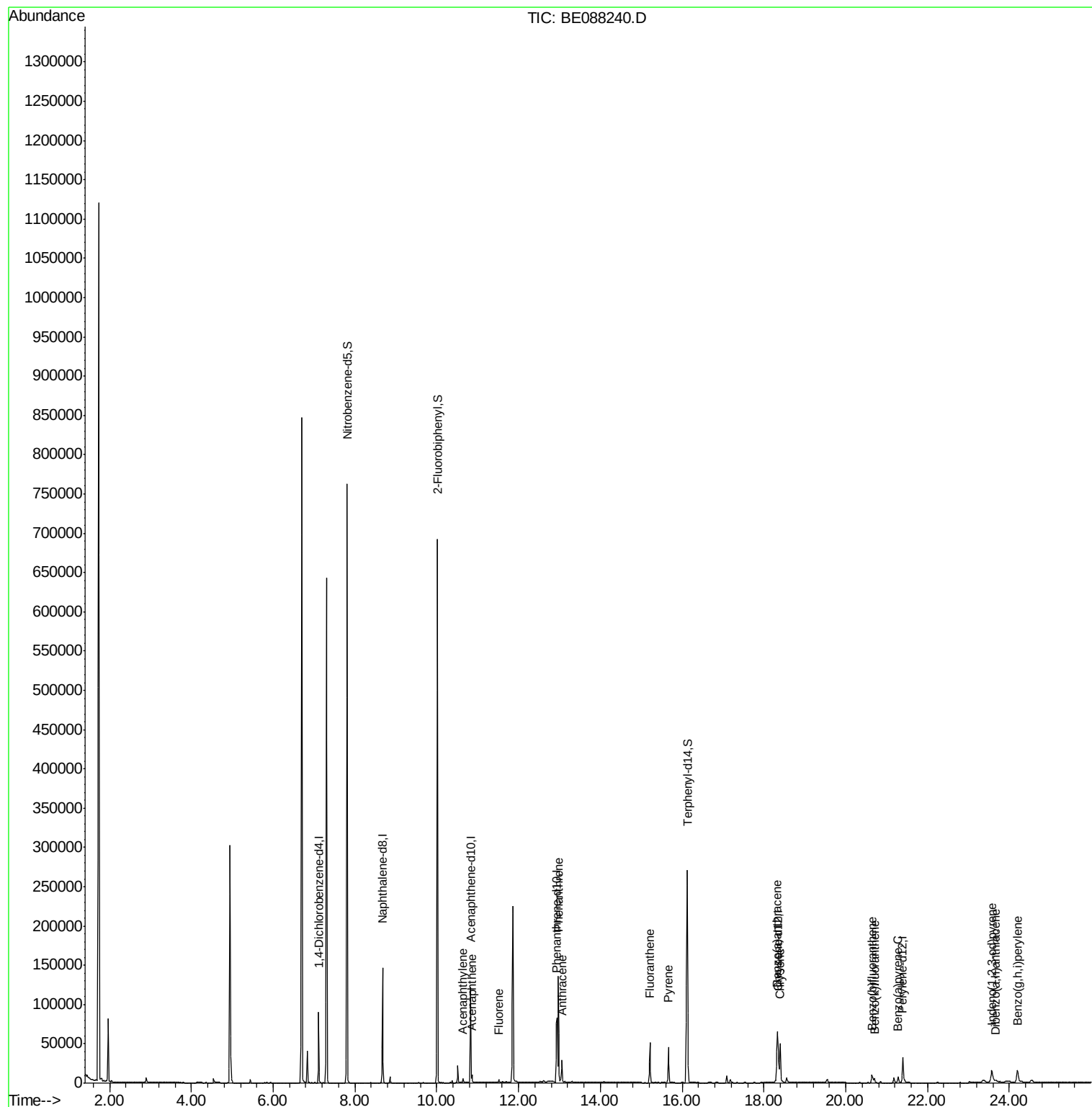
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
Data File : BE088240.D
Acq On : 25 Oct 2014 9:28
Operator : TP/JJ
Sample : F4368-03
Misc :
ALS Vial : 32 Sample Multiplier: 1

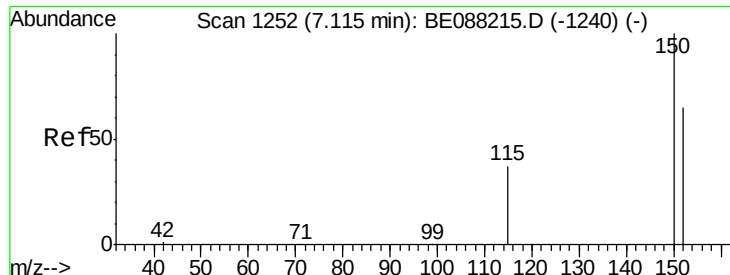
Instrument :
BNA_E
ClientSampleId :
YS19-SS33-1014

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.12 min Scan# 1253

Delta R.T. 0.00 min

Lab File: BE088240.D

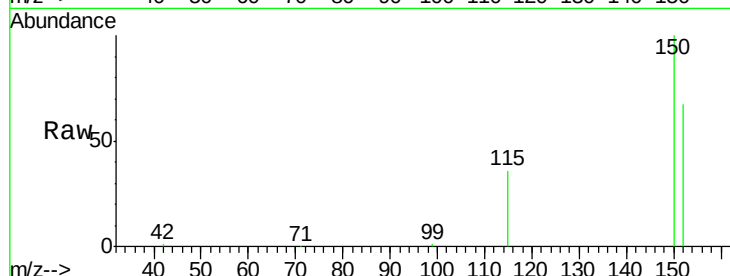
Acq: 25 Oct 2014 9:28

Instrument :

BNA_E

ClientSampleId :

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Tgt Ion:152 Resp: 26841

Ion Ratio Lower Upper

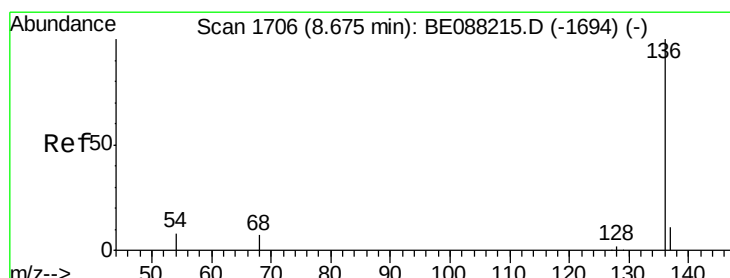
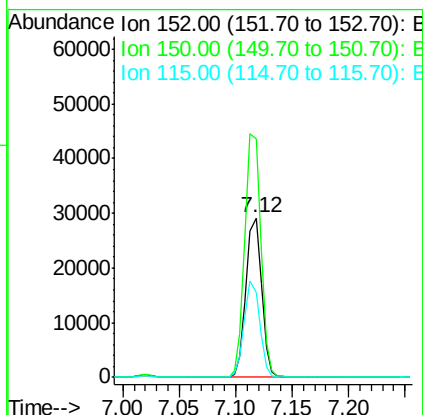
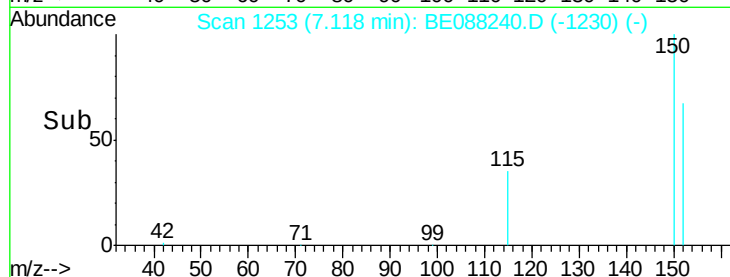
152 100

150 149.2 123.2 184.8

115 53.0 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: BE088240.D

Acq: 25 Oct 2014 9:28

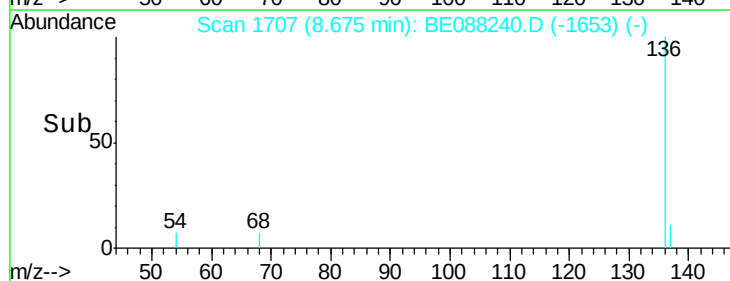
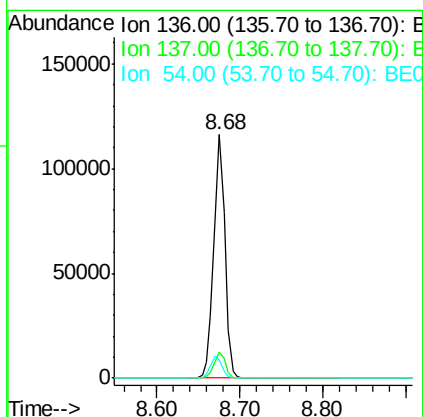
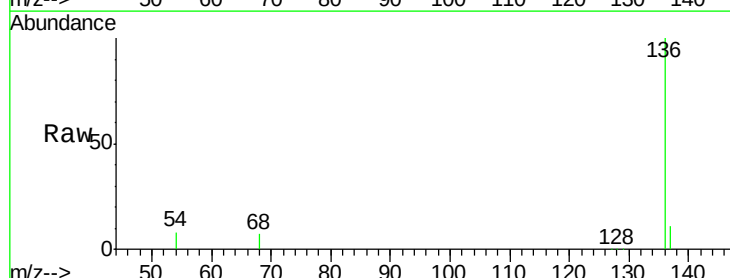
Tgt Ion:136 Resp: 108482

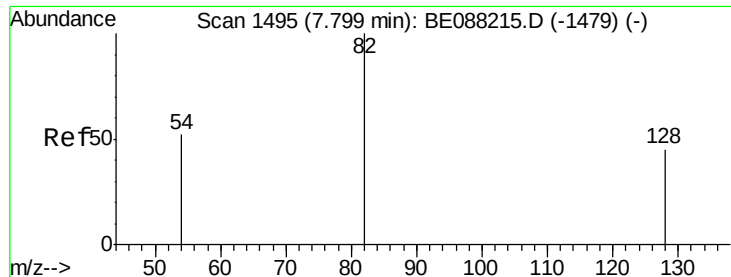
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 7.7 6.1 9.1





#4

Nitrobenzene-d5

Concen: 57.55 ng

RT: 7.81 min Scan# 1502

Delta R.T. 0.02 min

Lab File: BE088240.D

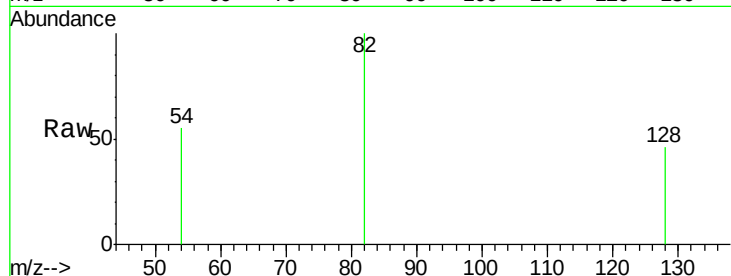
Acq: 25 Oct 2014 9:28

Instrument :

BNA_E

ClientSampleId :

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Tgt Ion: 82 Resp: 471980

Ion Ratio Lower Upper

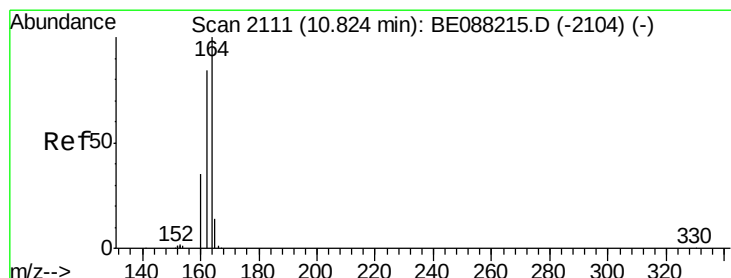
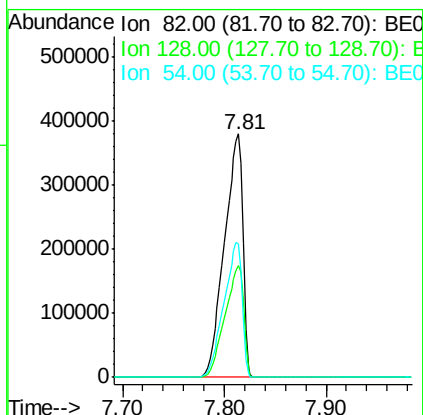
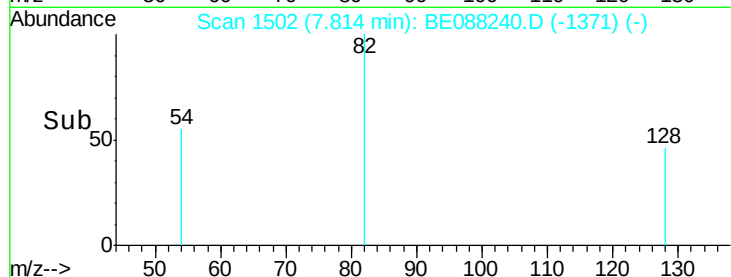
82 100

128 45.8 36.2 54.2

54 54.8 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: BE088240.D

Acq: 25 Oct 2014 9:28

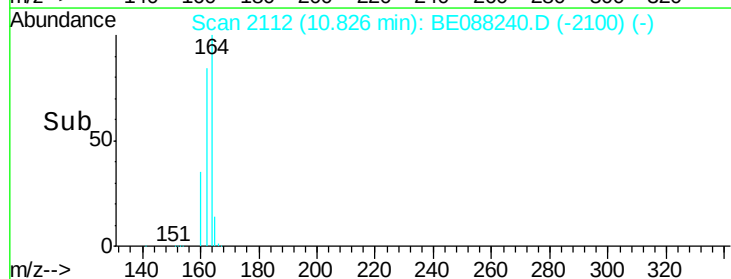
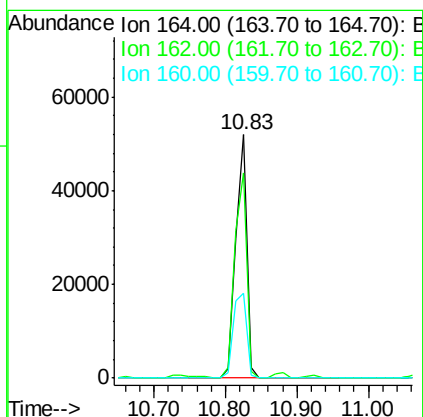
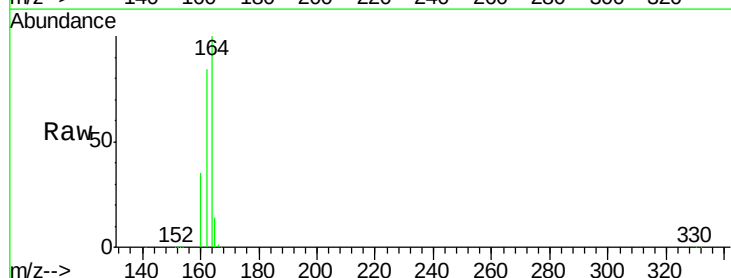
Tgt Ion: 164 Resp: 56733

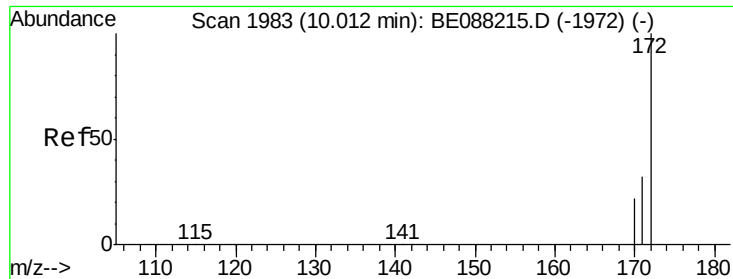
Ion Ratio Lower Upper

164 100

162 84.2 67.4 101.0

160 34.8 27.7 41.5





#8

2-Fluorobiphenyl

Concen: 34.58 ng

RT: 10.02 min Scan# 1986

Delta R.T. 0.01 min

Lab File: BE088240.D

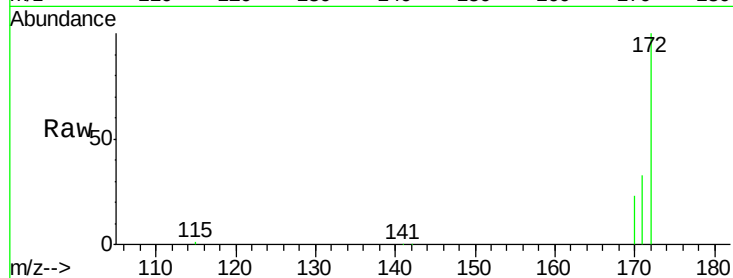
Acq: 25 Oct 2014 9:28

Instrument :

BNA_E

ClientSampleId :

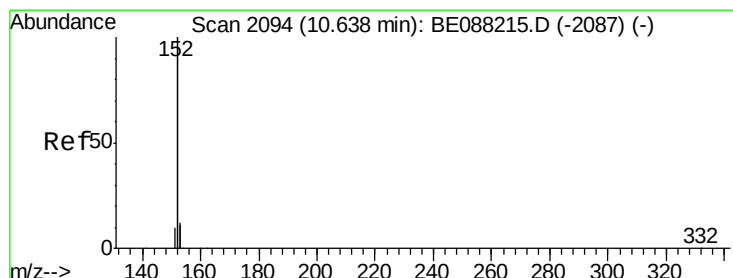
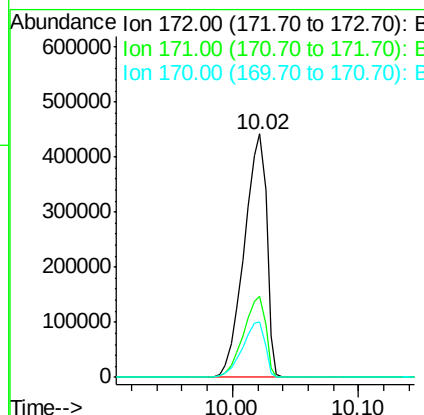
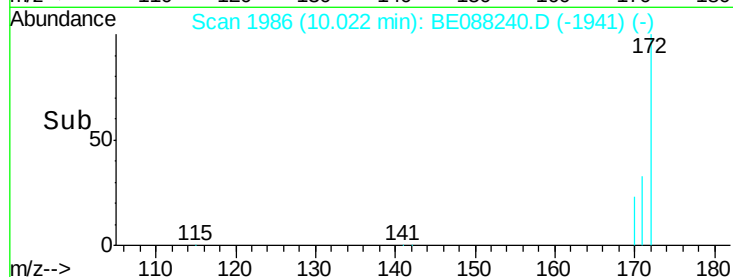
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Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.3	25.8	38.6
170	22.8	17.4	26.0

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#9

Acenaphthylene

Concen: 0.07 ng

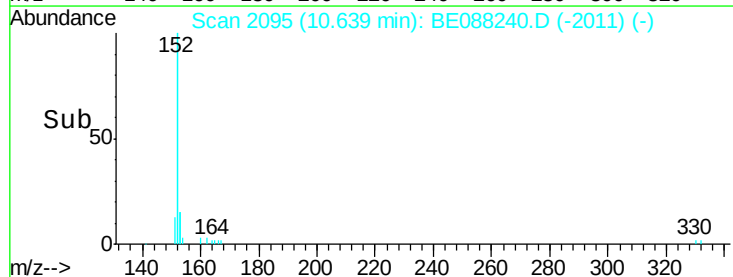
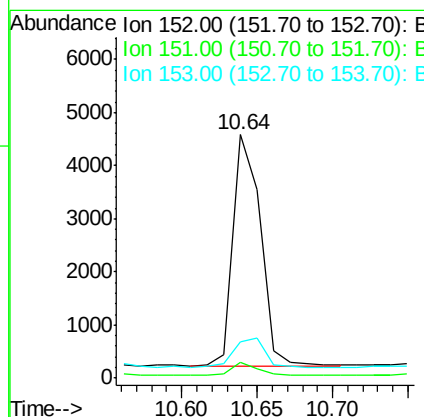
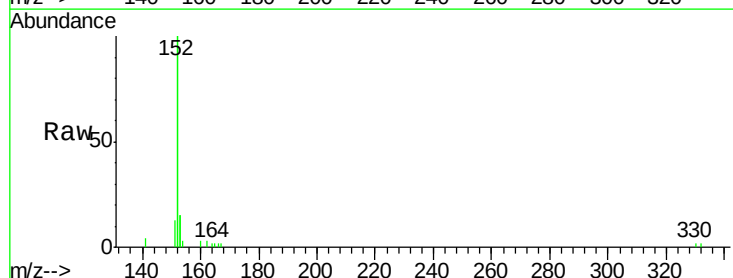
RT: 10.64 min Scan# 2095

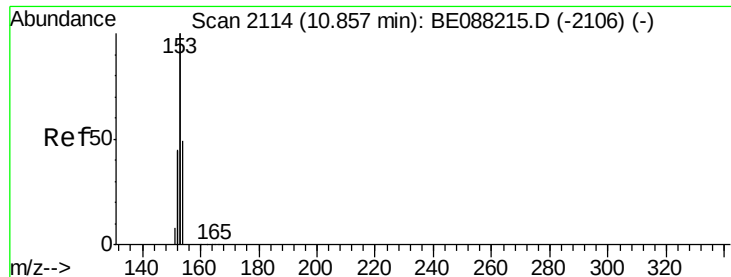
Delta R.T. 0.00 min

Lab File: BE088240.D

Acq: 25 Oct 2014 9:28

Tgt Ion	Ratio	Lower	Upper
152	100		
151	9.2	3.7	5.5#
153	14.0	10.3	15.5





#10

Acenaphthene

Concen: 0.09 ng

RT: 10.86 min Scan# 2115

Delta R.T. 0.00 min

Lab File: BE088240.D

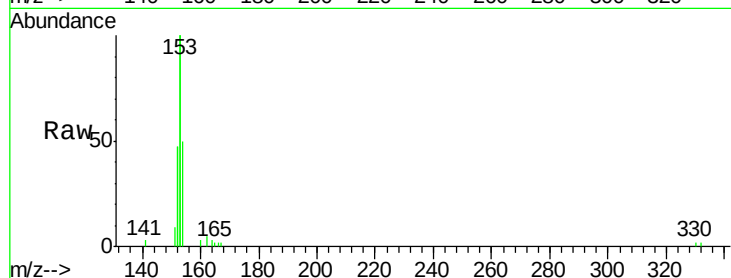
Acq: 25 Oct 2014 9:28

Instrument :

BNA_E

ClientSampleId :

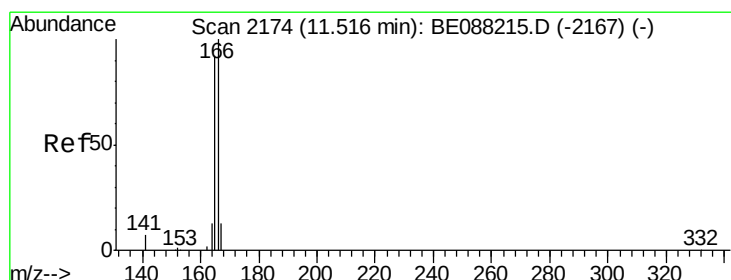
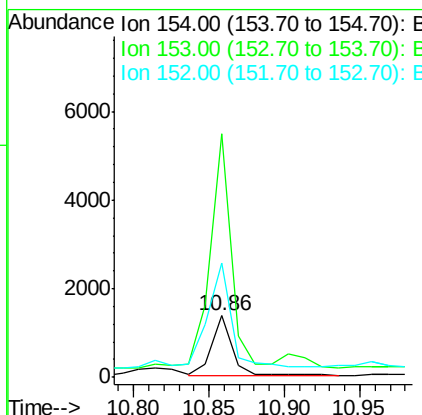
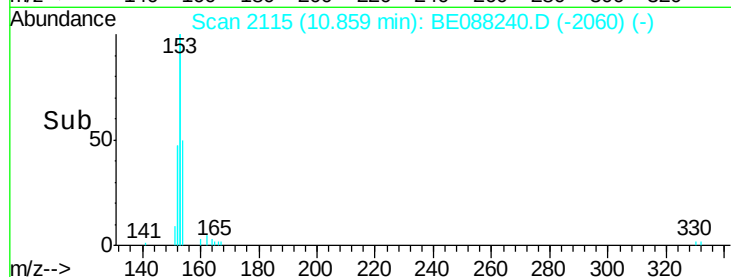
YS19-SS33-1014



Tgt Ion:	154	Resp:	1226
Ion Ratio	Lower	Upper	
154	100		
153	424.8	326.0	489.0
152	223.2	155.6	233.4

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#11

Fluorene

Concen: 0.12 ng

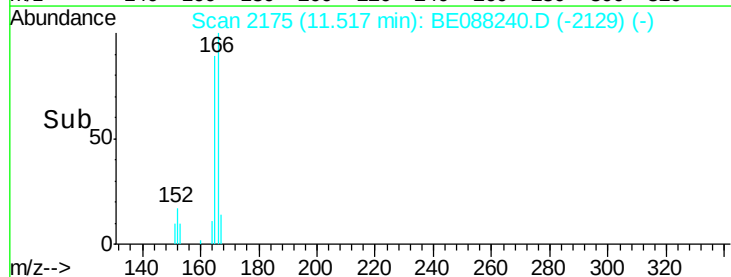
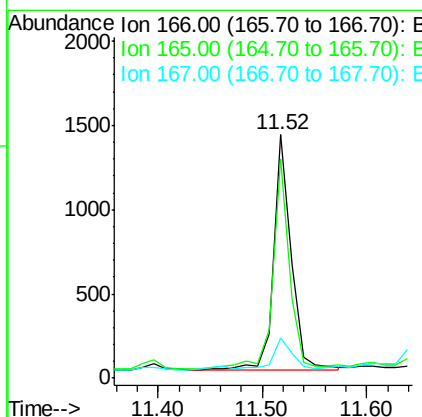
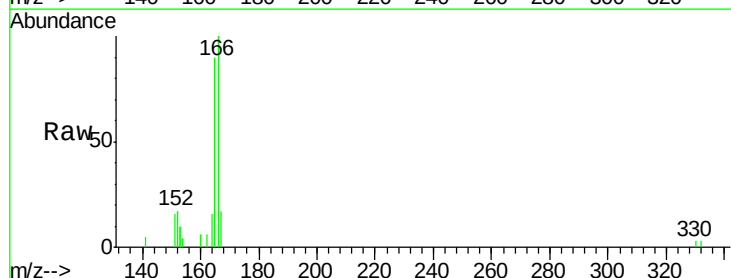
RT: 11.52 min Scan# 2175

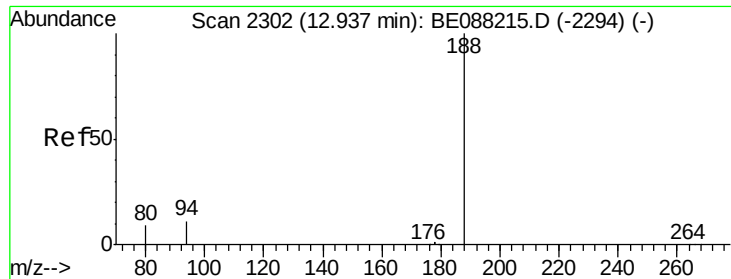
Delta R.T. 0.00 min

Lab File: BE088240.D

Acq: 25 Oct 2014 9:28

Tgt Ion:	166	Resp:	1614
Ion Ratio	Lower	Upper	
166	100		
165	83.8	71.8	107.6
167	14.2	10.7	16.1





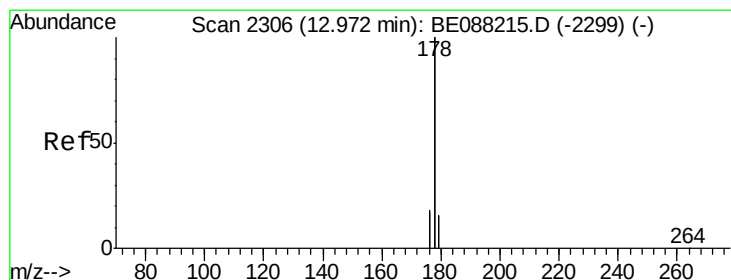
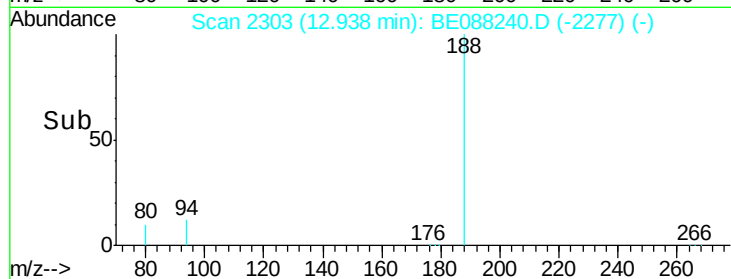
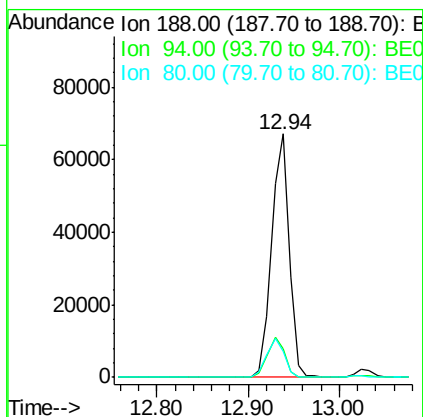
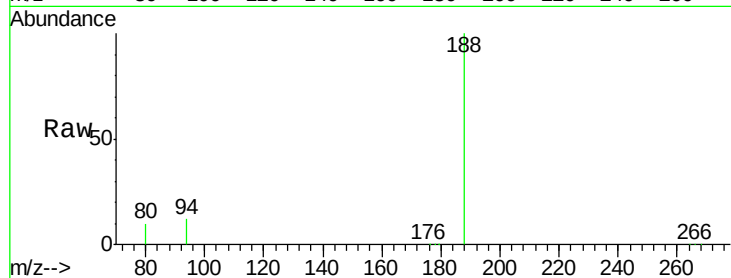
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.94 min Scan# 2303
Delta R.T. 0.00 min
Lab File: BE088240.D
Acq: 25 Oct 2014 9:28

Instrument :
BNA_E
ClientSampleId :
YS19-SS33-1014

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	112242		
94	11.7	8.5	12.7	
80	10.4	7.4	11.0	

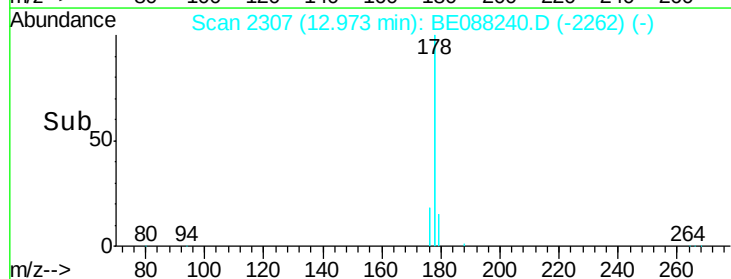
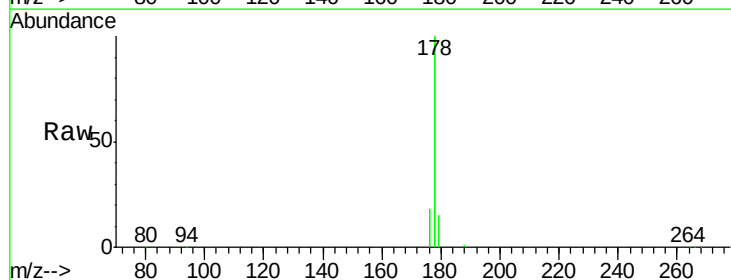
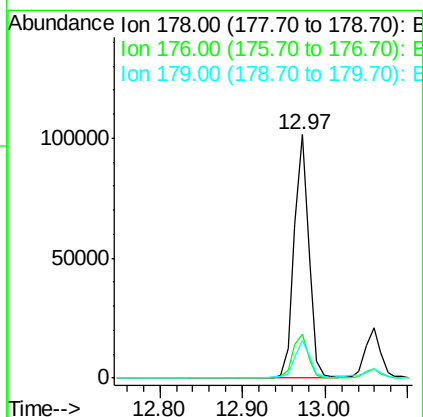
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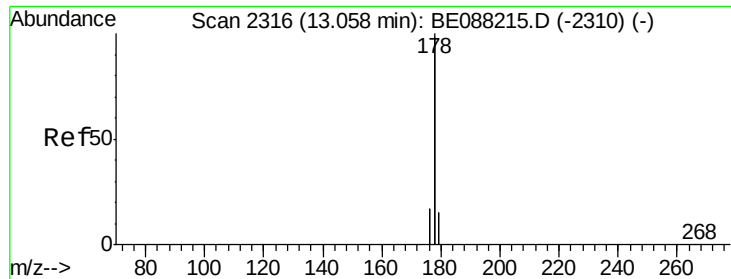
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#13
Phenanthrene
Concen: 1.40 ng
RT: 12.97 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BE088240.D
Acq: 25 Oct 2014 9:28

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	151945		
176	14.9	14.0	21.0	
179	17.3	11.8	17.6	





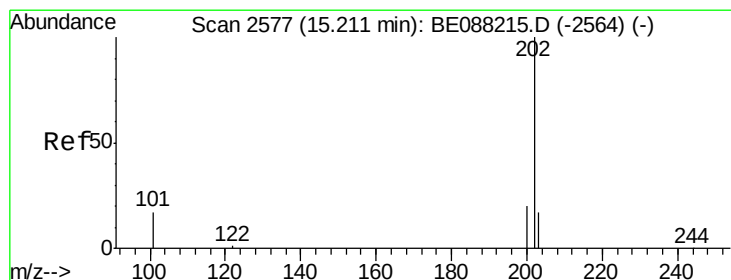
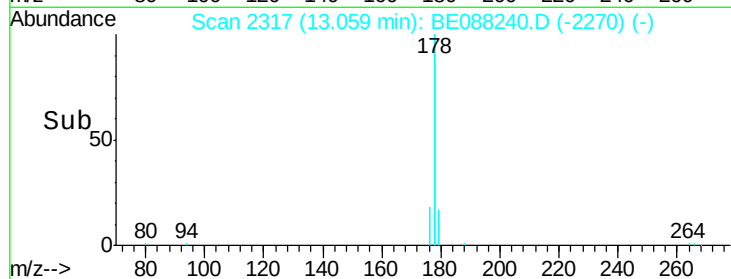
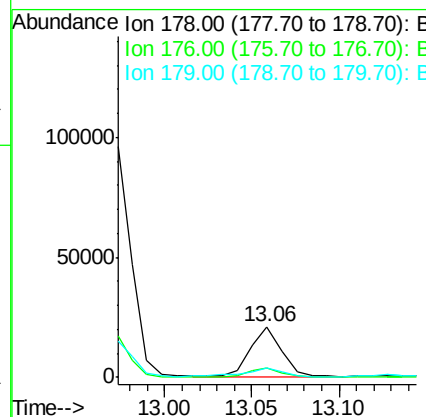
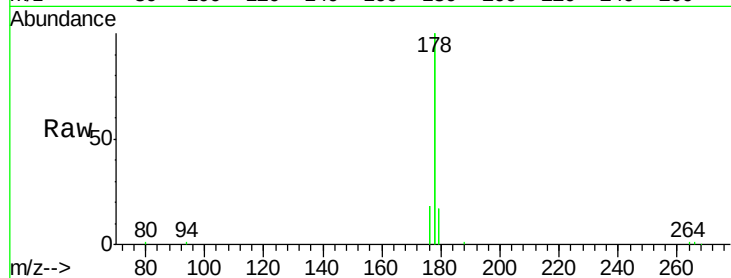
#14
 Anthracene
 Concen: 0.35 ng m
 RT: 13.06 min Scan# 2317
 Delta R.T. 0.00 min
 Lab File: BE088240.D
 Acq: 25 Oct 2014 9:28

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS33-1014

Tgt Ion	Ratio	Lower	Upper
178	100		
176	81.8	14.7	22.1#
179	94.5	12.3	18.5#

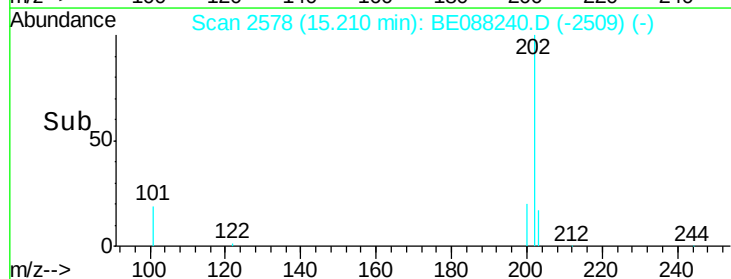
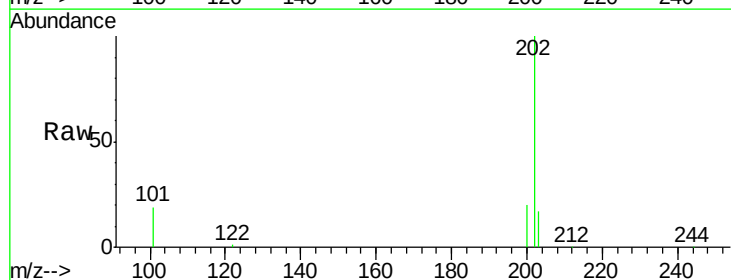
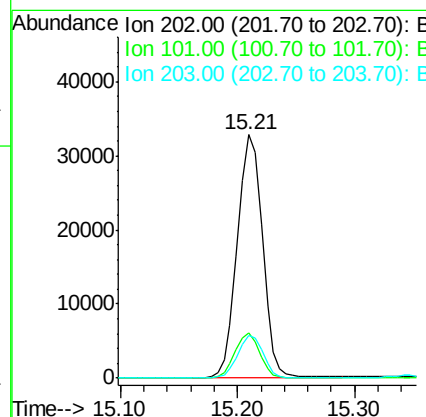
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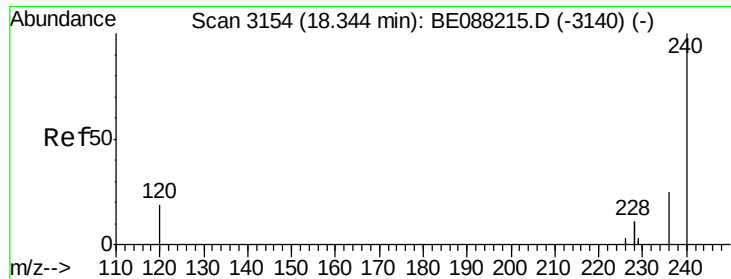
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#15
 Fluoranthene
 Concen: 2.96 ng
 RT: 15.21 min Scan# 2578
 Delta R.T. -0.00 min
 Lab File: BE088240.D
 Acq: 25 Oct 2014 9:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.3	14.4	21.6
203	17.3	13.4	20.2





#16

Chrysene-d12

Concen: 5.00 ng

RT: 18.34 min Scan# 3155

Delta R.T. 0.00 min

Lab File: BE088240.D

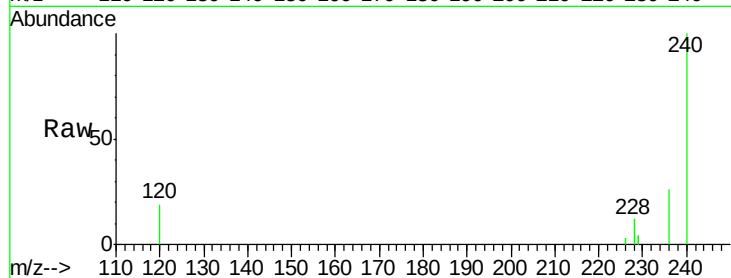
Acq: 25 Oct 2014 9:28

Instrument :

BNA_E

ClientSampleId :

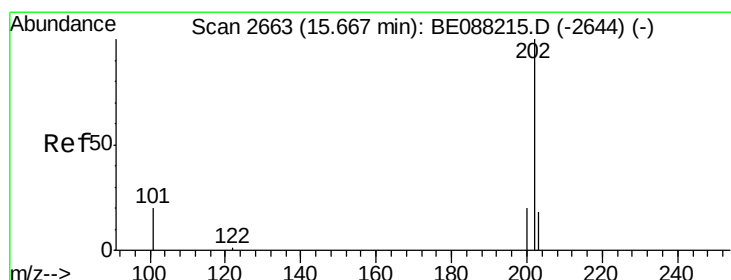
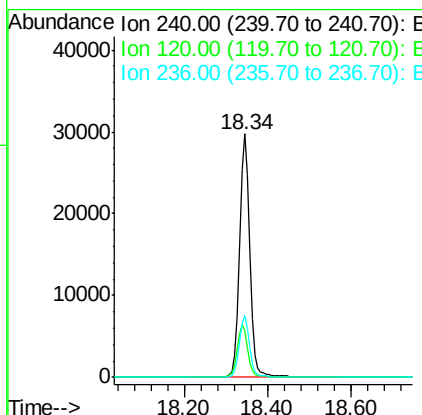
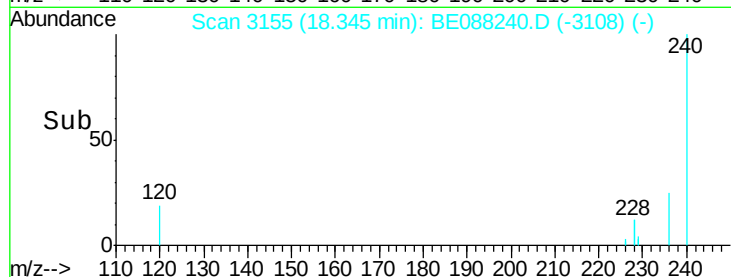
YS19-SS33-1014



Tgt Ion:	240	Resp:	52216
Ion Ratio	Lower	Upper	
240	100		
120	19.3	15.1	22.7
236	25.6	20.1	30.1

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#17

Pyrene

Concen: 2.84 ng m

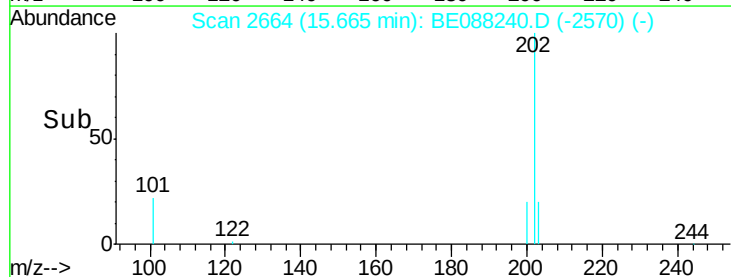
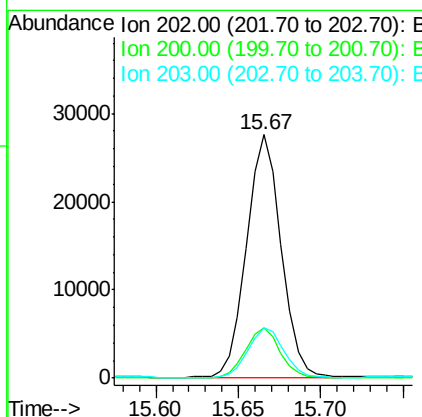
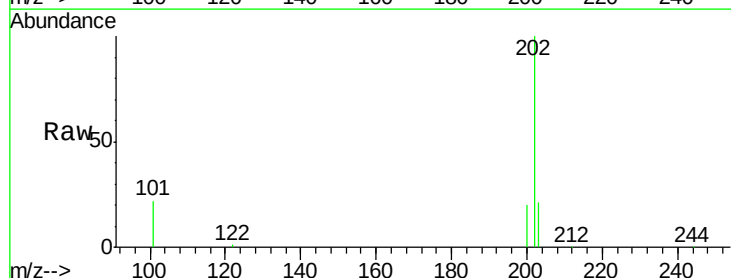
RT: 15.67 min Scan# 2664

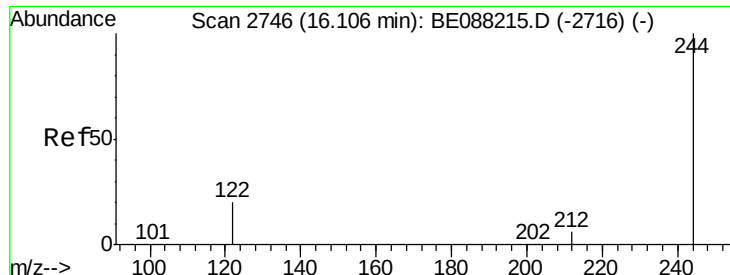
Delta R.T. -0.00 min

Lab File: BE088240.D

Acq: 25 Oct 2014 9:28

Tgt Ion:	202	Resp:	40711
Ion Ratio	Lower	Upper	
202	100		
200	23.7	16.2	24.2
203	20.5	13.8	20.8





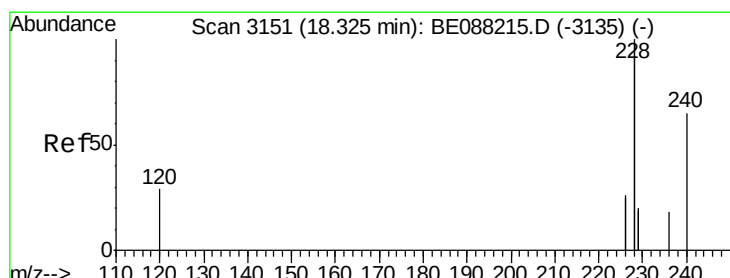
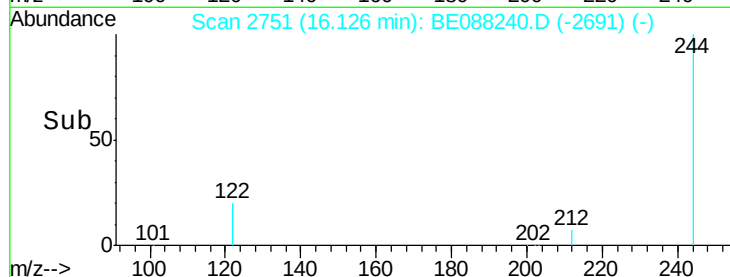
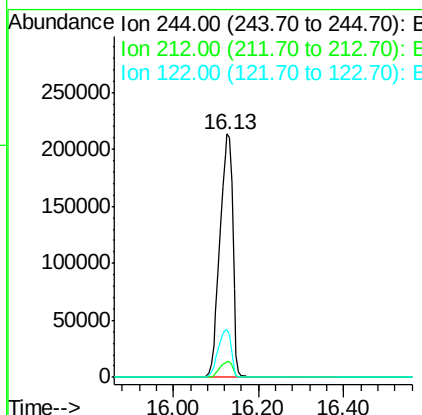
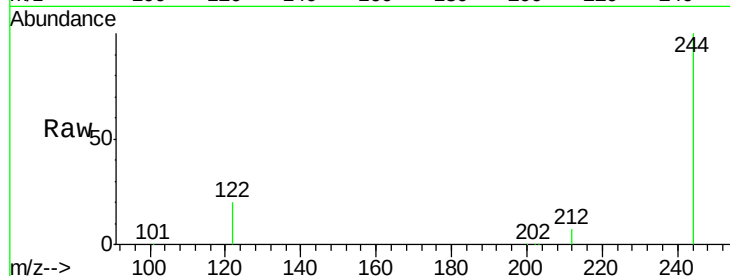
#18
 Terphenyl-d14
 Concen: 52.01 ng
 RT: 16.13 min Scan# 2751
 Delta R.T. 0.02 min
 Lab File: BE088240.D
 Acq: 25 Oct 2014 9:28

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS33-1014

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	444751		
212	6.7	5.4	8.2	
122	19.7	16.7	25.1	

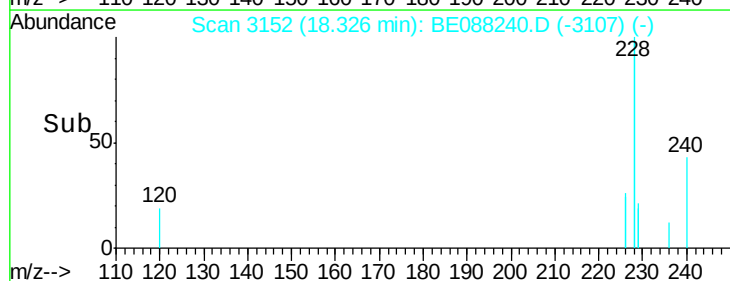
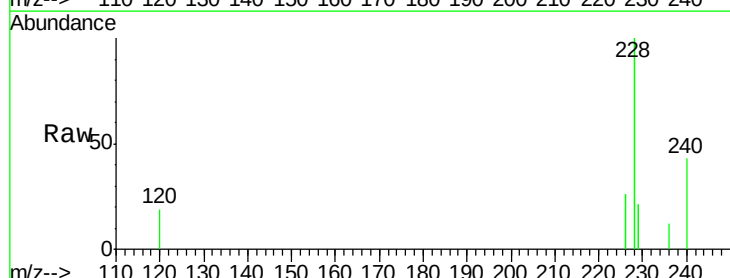
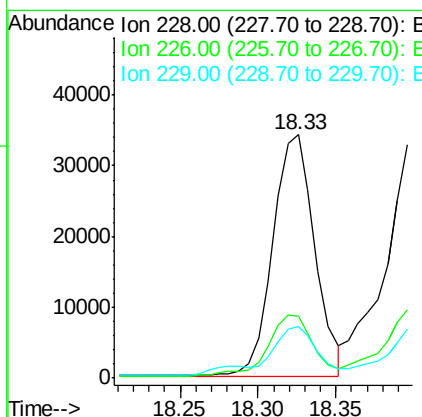
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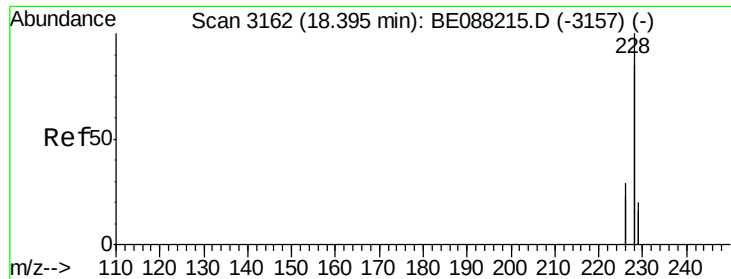
mohammad
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#19
 Benzo(a)anthracene
 Concen: 1.55 ng
 RT: 18.33 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: BE088240.D
 Acq: 25 Oct 2014 9:28

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	63779		
226	25.5	20.5	30.7	
229	21.0	16.1	24.1	





#20

Chrysene

Concen: 1.47 ng

RT: 18.40 min Scan# 3163

Delta R.T. 0.00 min

Lab File: BE088240.D

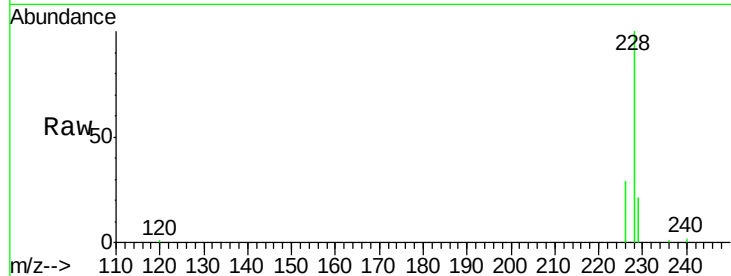
Acq: 25 Oct 2014 9:28

Instrument :

BNA_E

ClientSampleId :

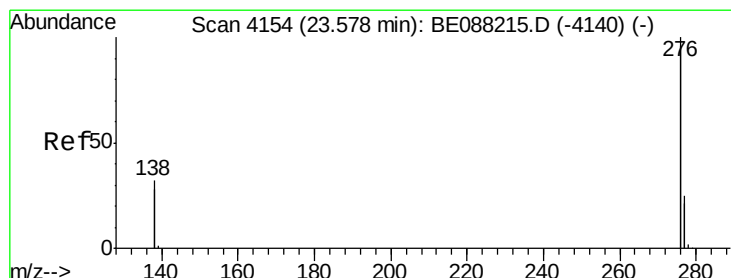
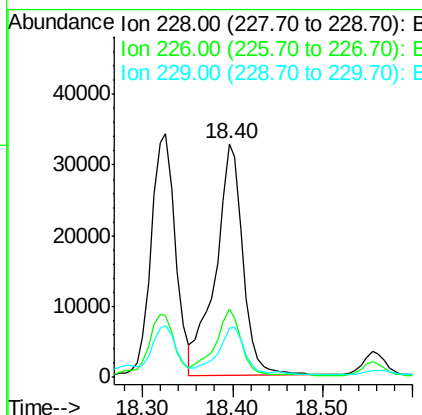
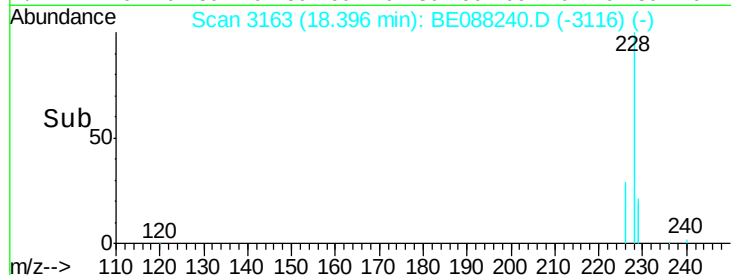
YS19-SS33-1014



Tgt Ion:	228	Resp:	68404
Ion Ratio	Lower	Upper	
228	100		
226	29.1	23.3	34.9
229	20.8	15.6	23.4

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#21

Indeno(1,2,3-cd)pyrene

Concen: 0.91 ng

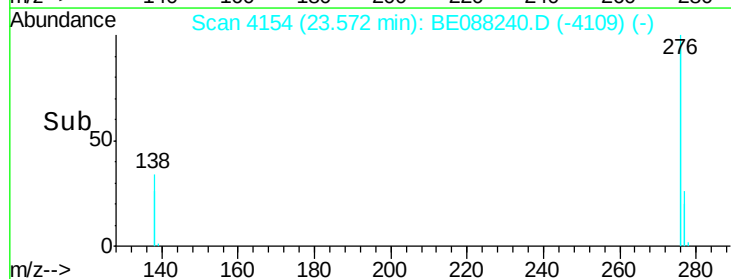
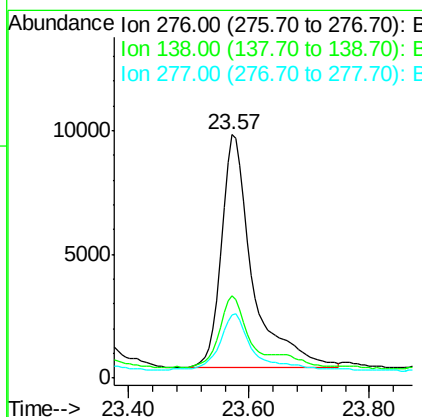
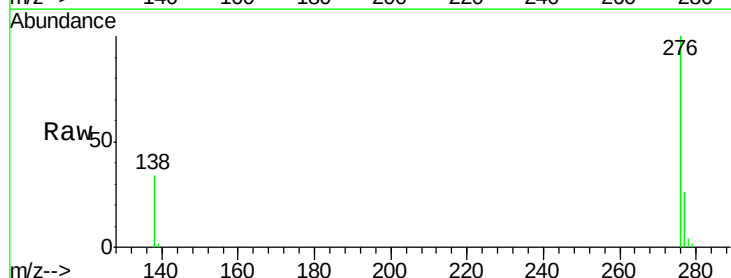
RT: 23.57 min Scan# 4154

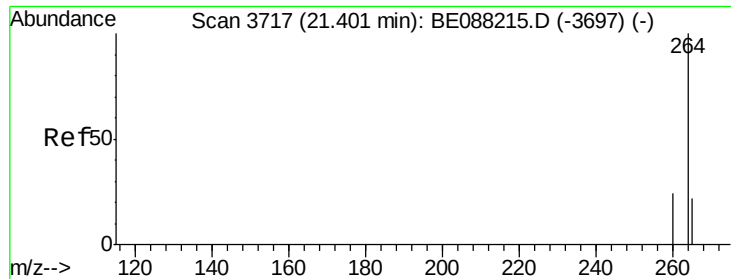
Delta R.T. -0.01 min

Lab File: BE088240.D

Acq: 25 Oct 2014 9:28

Tgt Ion:	276	Resp:	34171
Ion Ratio	Lower	Upper	
276	100		
138	27.3	13.9	20.9#
277	25.0	10.7	16.1#





#22

Perylene-d12

Concen: 5.00 ng

RT: 21.40 min Scan# 3717

Delta R.T. -0.00 min

Lab File: BE088240.D

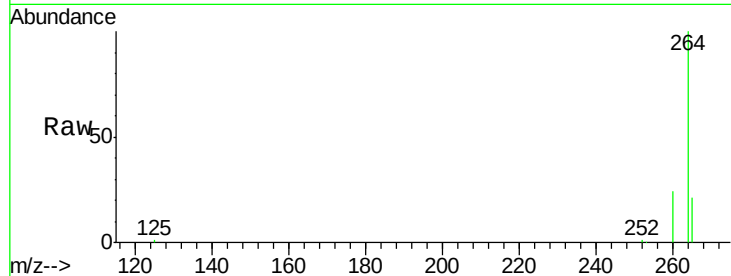
Acq: 25 Oct 2014 9:28

Instrument :

BNA_E

ClientSampleId :

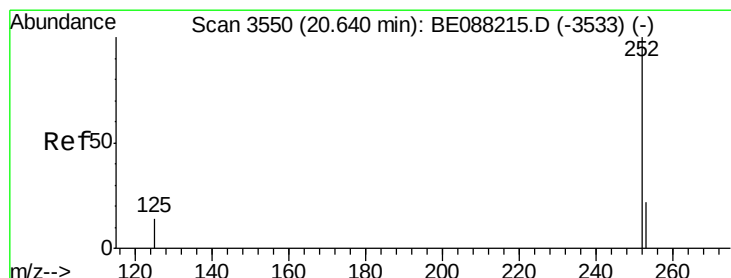
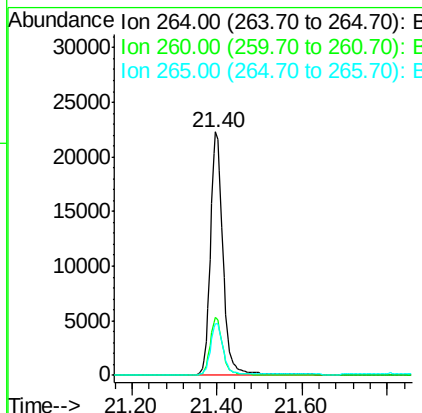
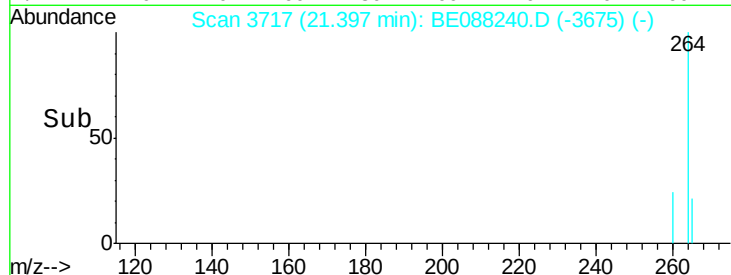
YS19-SS33-1014



Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	21.3	17.4	26.2

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#23

Benzo(b)fluoranthene

Concen: 2.00 ng

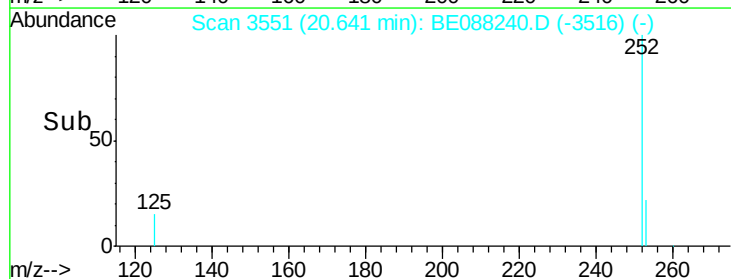
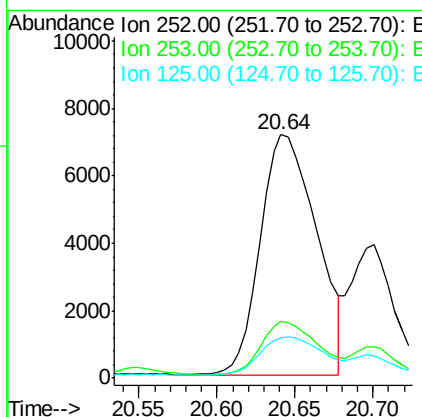
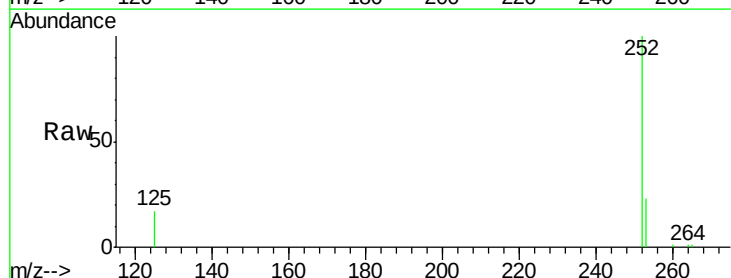
RT: 20.64 min Scan# 3551

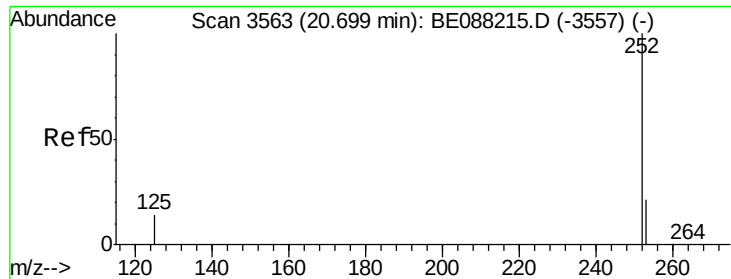
Delta R.T. 0.00 min

Lab File: BE088240.D

Acq: 25 Oct 2014 9:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	16.7	12.2	18.2





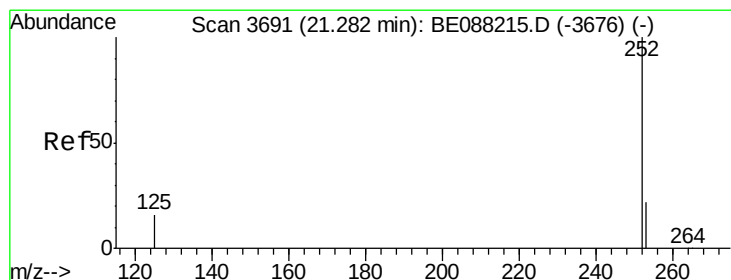
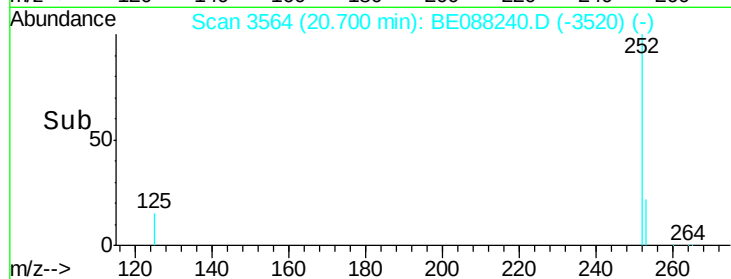
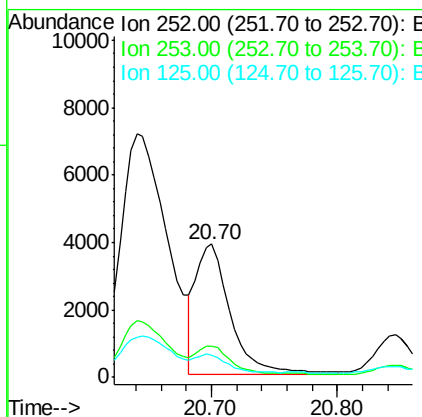
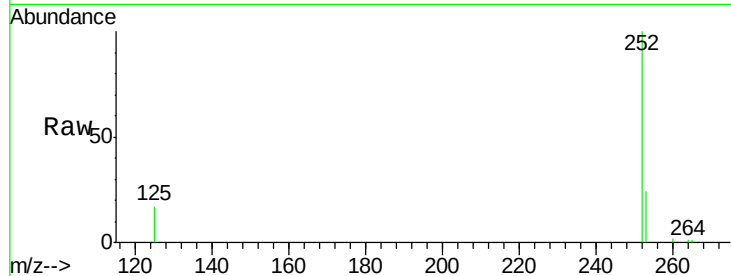
#24
Benzo(k)fluoranthene
Concen: 0.63 ng
RT: 20.70 min Scan# 3564
Delta R.T. 0.00 min
Lab File: BE088240.D
Acq: 25 Oct 2014 9:28

Instrument :
BNA_E
ClientSampleId :
YS19-SS33-1014

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	16.7	12.1	18.1

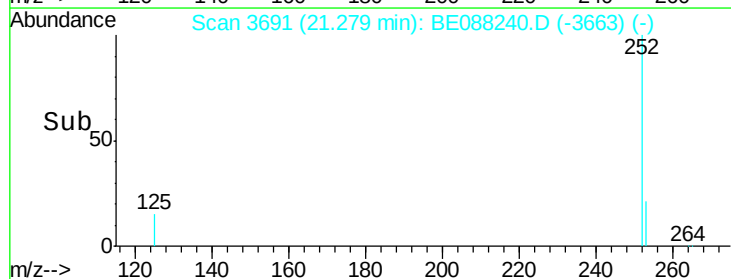
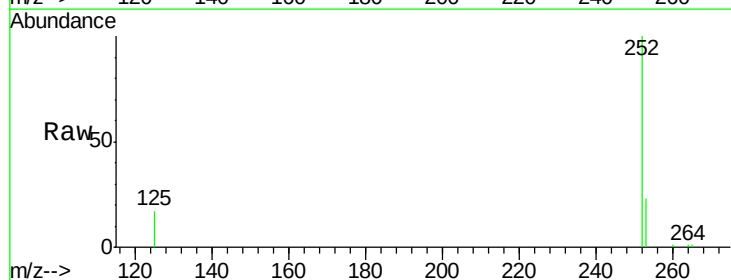
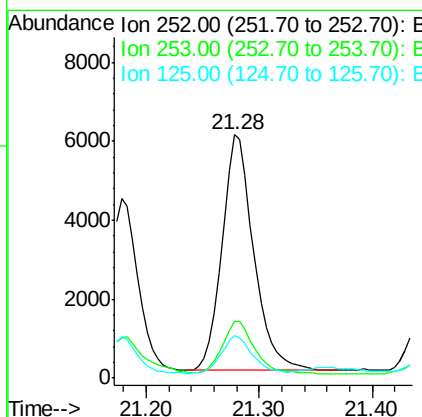
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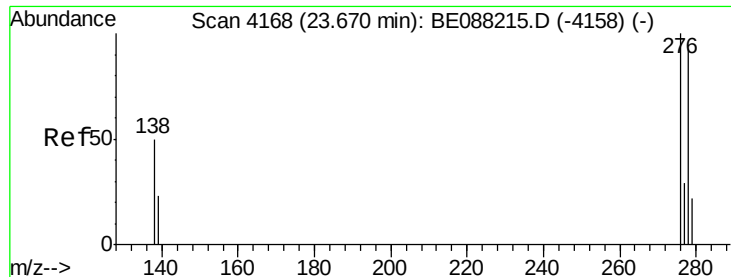
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#25
Benzo(a)pyrene
Concen: 1.36 ng
RT: 21.28 min Scan# 3691
Delta R.T. -0.00 min
Lab File: BE088240.D
Acq: 25 Oct 2014 9:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	17.4	13.5	20.3





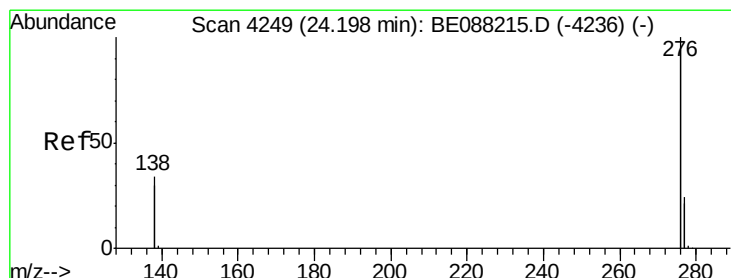
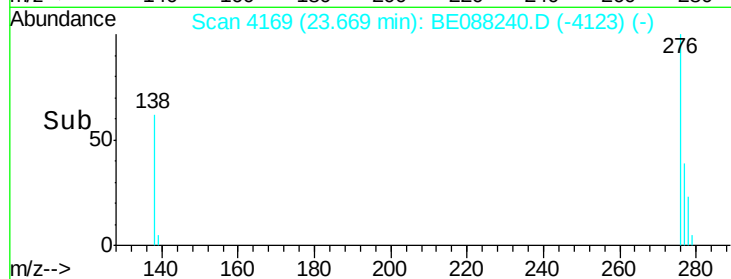
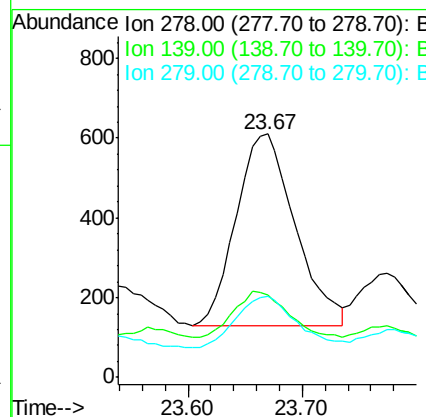
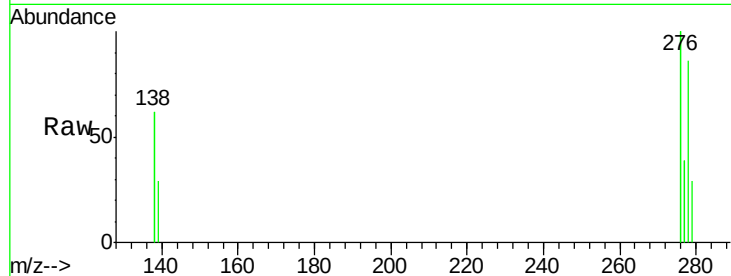
#26
Dibenzo(a,h)anthracene
Concen: 0.39 ng
RT: 23.67 min Scan# 4169
Delta R.T. 0.00 min
Lab File: BE088240.D
Acq: 25 Oct 2014 9:28

Instrument :
BNA_E
ClientSampleId :
YS19-SS33-1014

Tgt Ion	Ratio	Lower	Upper
278	100		
139	33.7	22.1	33.1#
279	33.4	20.2	30.2#

Manual Integrations
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#27
Benzo(g,h,i)perylene
Concen: 0.91 ng
RT: 24.20 min Scan# 4250
Delta R.T. -0.00 min
Lab File: BE088240.D
Acq: 25 Oct 2014 9:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	19.4	29.2
138	35.2	27.3	40.9

