

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
 Data File : BE088236.D
 Acq On : 25 Oct 2014 7:14
 Operator : TP/JJ
 Sample : F4368-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB34-1014

Manual Integrations
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Quant Time: Oct 27 14:34:56 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	25413	5.00	ng	0.00
3) Naphthalene-d8	8.68	136	100958	5.00	ng	0.00
7) Acenaphthene-d10	10.83	164	54734	5.00	ng	0.00
12) Phenanthrene-d10	12.94	188	108832	5.00	ng	0.00
16) Chrysene-d12	18.34	240	53315	5.00	ng	0.00
22) Perylene-d12	21.40	264	41917	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.81	82	523435	68.56	ng	0.02
8) 2-Fluorobiphenyl	10.02	172	576816	37.79	ng	0.01
18) Terphenyl-d14	16.13	244	483251	55.35	ng	0.03
Target Compounds						Qvalue
9) Acenaphthylene	10.64	152	1929	0.02	ng	# 85
10) Acenaphthene	10.86	154	469	0.04	ng	# 77
11) Fluorene	11.52	166	575	0.04	ng	96
13) Phenanthrene	12.97	178	61712	0.59	ng	# 91
14) Anthracene	13.06	178	8740	0.11	ng	# 79
15) Fluoranthene	15.21	202	21574	1.35	ng	99
17) Pyrene	15.67	202	18999	1.30	ng	97
19) Benzo(a)anthracene	18.32	228	30354	0.72	ng	97
20) Chrysene	18.40	228	34778	0.73	ng	98
21) Indeno(1,2,3-cd)pyrene	23.57	276	16777	0.56	ng	# 68
23) Benzo(b)fluoranthene	20.64	252	8383	1.08	ng	96
24) Benzo(k)fluoranthene	20.70	252	4201m	0.39	ng	
25) Benzo(a)pyrene	21.28	252	5223	0.74	ng	96
27) Benzo(g,h,i)perylene	24.20	276	16018	0.48	ng	94

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

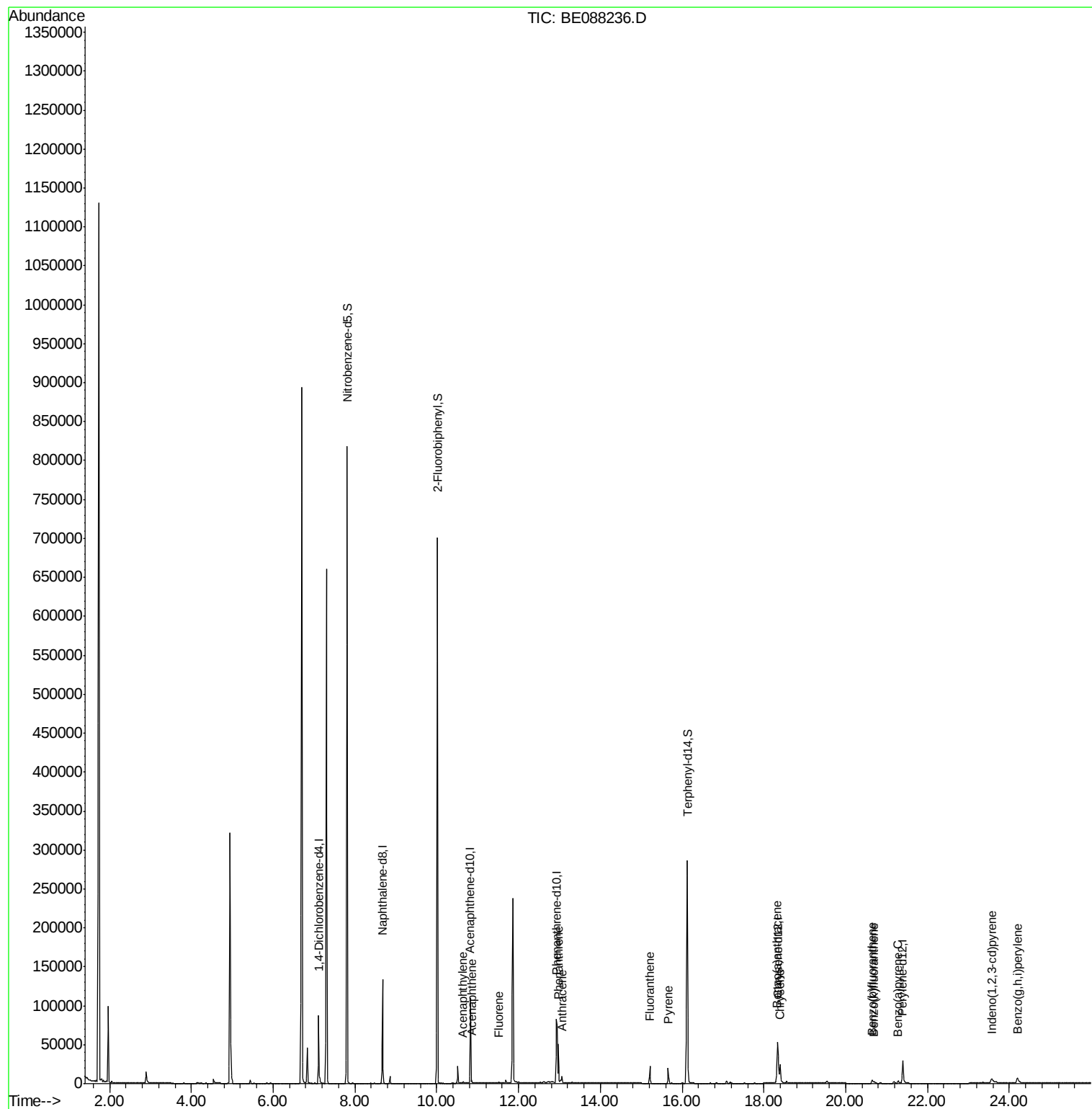
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
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Misc :
ALS Vial : 28 Sample Multiplier: 1

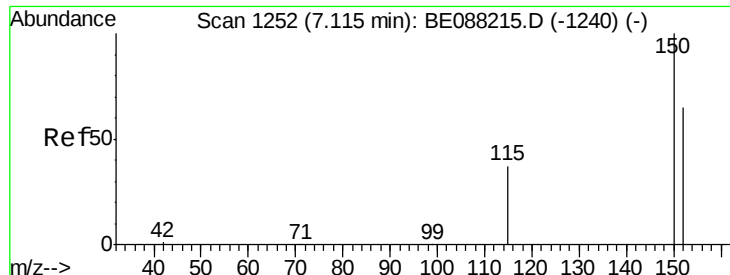
Instrument :
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YS19-SB34-1014

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Quant Time: Oct 27 14:34:56 2014
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 27 13:04:40 2014
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.11 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BE088236.D

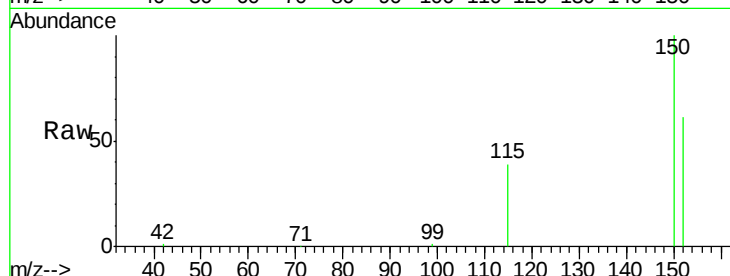
Acq: 25 Oct 2014 7:14

Instrument :

BNA_E

ClientSampleId :

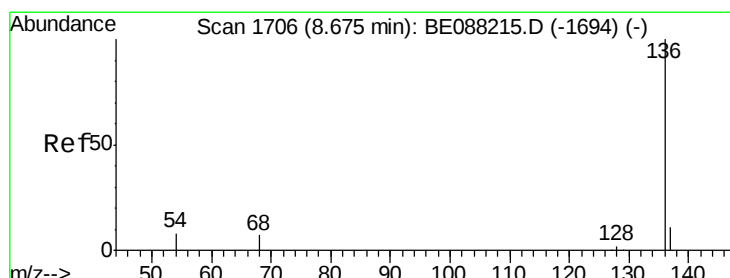
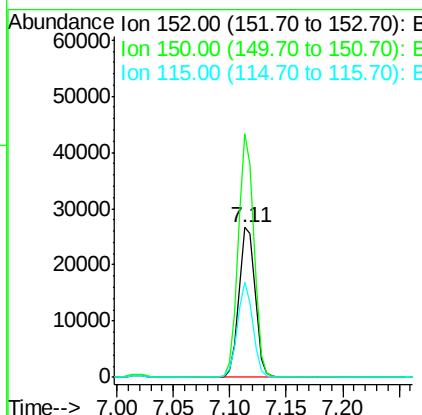
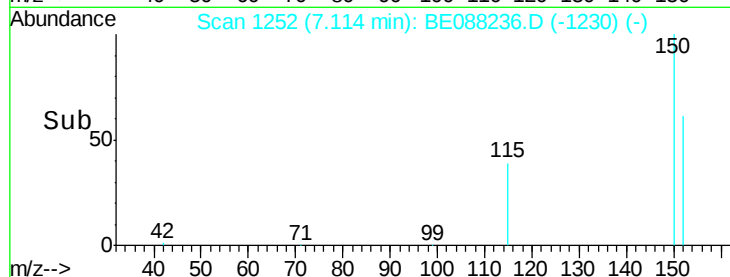
YS19-SB34-1014



Tgt Ion:	152	Resp:	25413
Ion Ratio	Lower	Upper	
152	100		
150	162.7	123.2	184.8
115	63.2	45.3	67.9

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#3

Naphthalene-d8

Concen: 5.00 ng

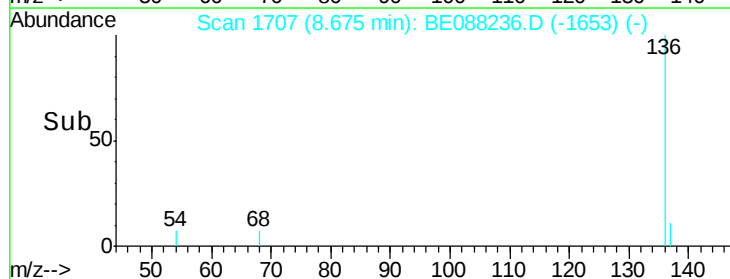
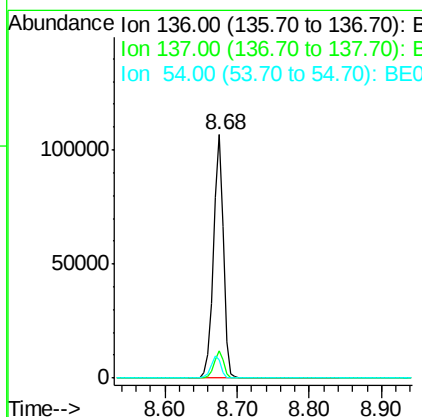
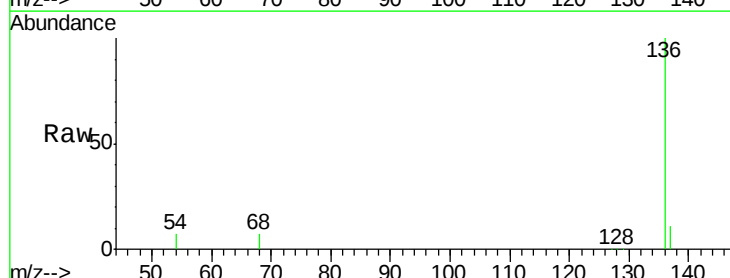
RT: 8.68 min Scan# 1707

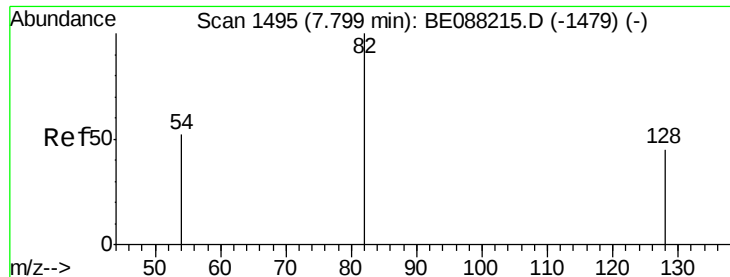
Delta R.T. 0.00 min

Lab File: BE088236.D

Acq: 25 Oct 2014 7:14

Tgt Ion:	136	Resp:	100958
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.7	13.1
54	7.5	6.1	9.1





#4

Nitrobenzene-d5

Concen: 68.56 ng

RT: 7.81 min Scan# 1502

Delta R.T. 0.02 min

Lab File: BE088236.D

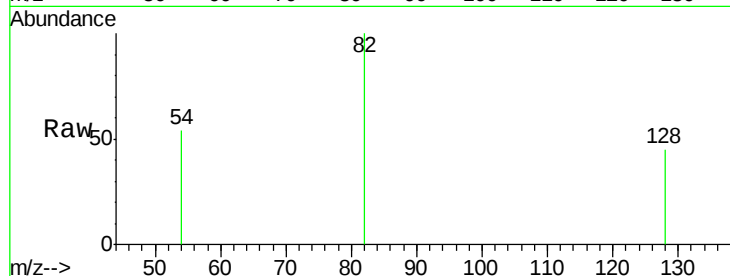
Acq: 25 Oct 2014 7:14

Instrument :

BNA_E

ClientSampleId :

YS19-SB34-1014



Tgt Ion: 82 Resp: 523435

Ion Ratio Lower Upper

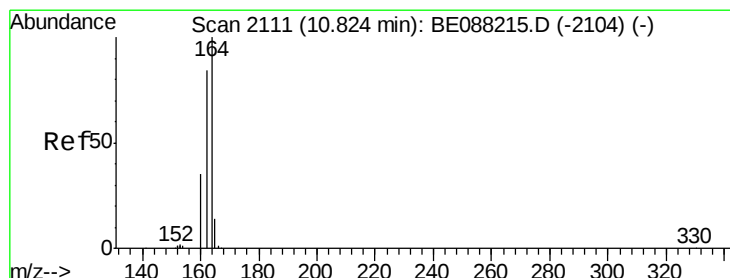
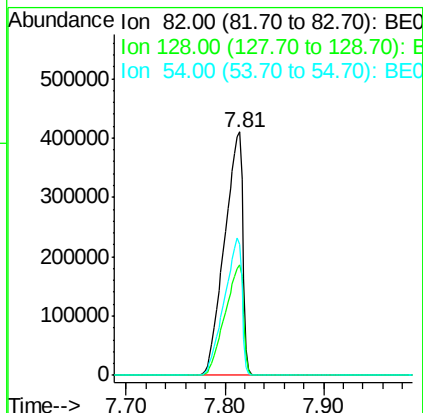
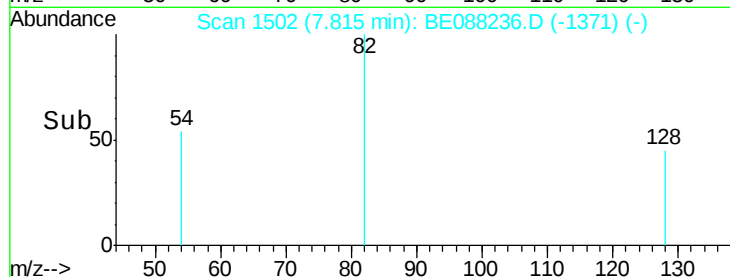
82 100

128 45.5 36.2 54.2

54 54.0 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: BE088236.D

Acq: 25 Oct 2014 7:14

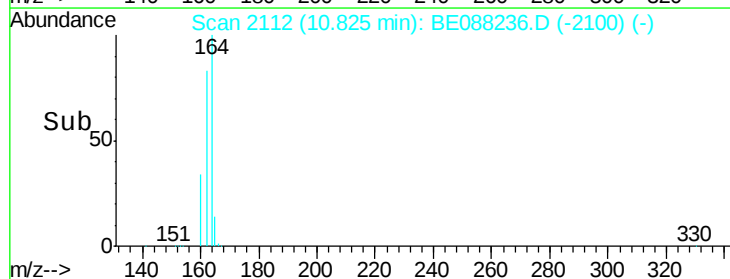
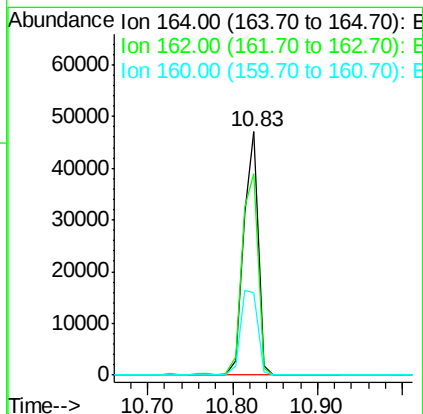
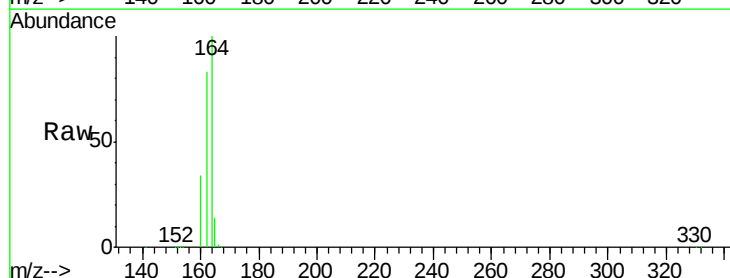
Tgt Ion: 164 Resp: 54734

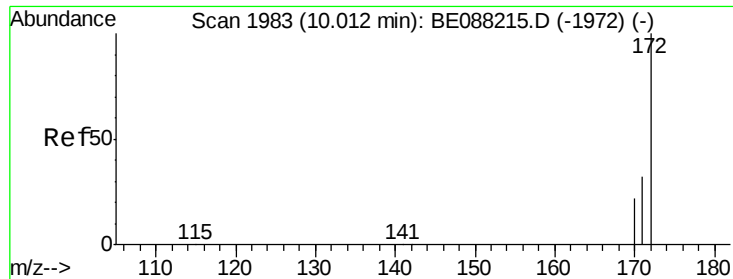
Ion Ratio Lower Upper

164 100

162 83.0 67.4 101.0

160 33.8 27.7 41.5





#8

2-Fluorobiphenyl

Concen: 37.79 ng

RT: 10.02 min Scan# 1986

Delta R.T. 0.01 min

Lab File: BE088236.D

Acq: 25 Oct 2014 7:14

Instrument :

BNA_E

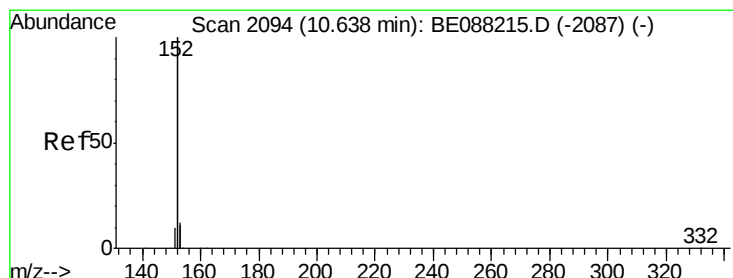
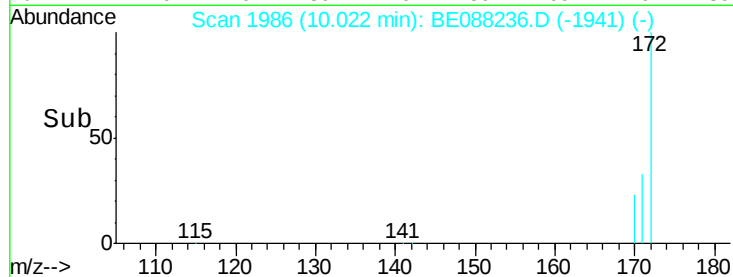
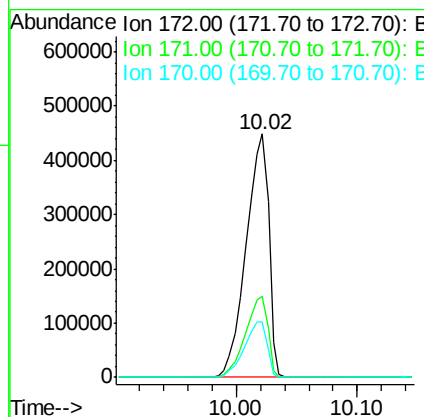
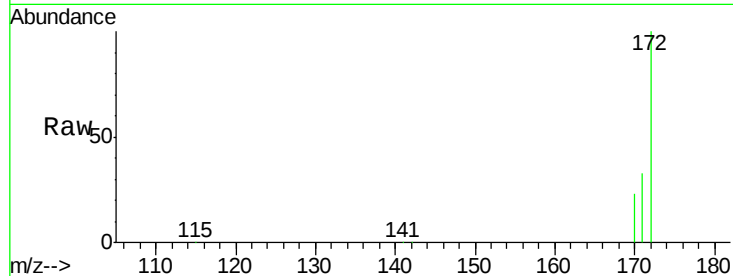
ClientSampleId :

YS19-SB34-1014

Tgt Ion:	172	Resp:	576816
Ion Ratio	Lower	Upper	
172	100		
171	33.1	25.8	38.6
170	22.6	17.4	26.0

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#9

Acenaphthylene

Concen: 0.02 ng

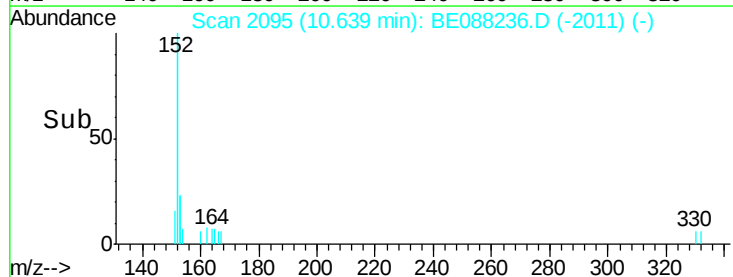
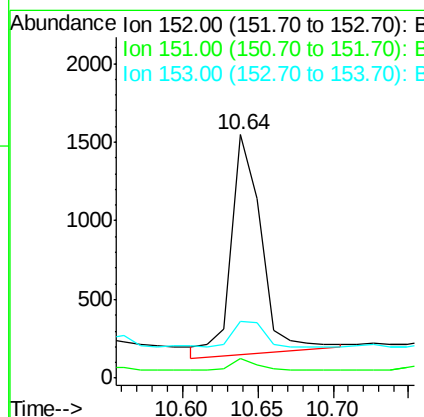
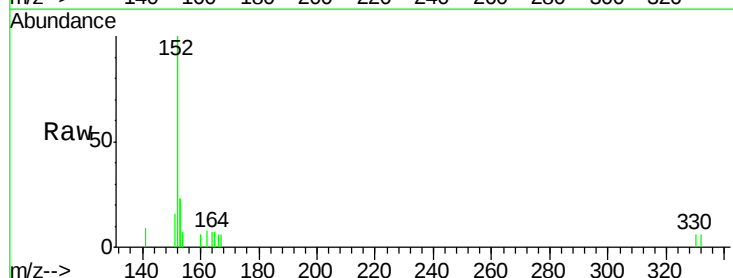
RT: 10.64 min Scan# 2095

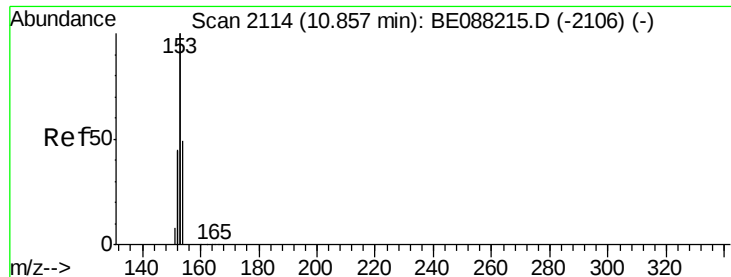
Delta R.T. 0.00 min

Lab File: BE088236.D

Acq: 25 Oct 2014 7:14

Tgt Ion:	152	Resp:	1929
Ion Ratio	Lower	Upper	
152	100		
151	11.6	3.7	5.5#
153	17.9	10.3	15.5#





#10

Acenaphthene

Concen: 0.04 ng

RT: 10.86 min Scan# 2115

Delta R.T. 0.00 min

Lab File: BE088236.D

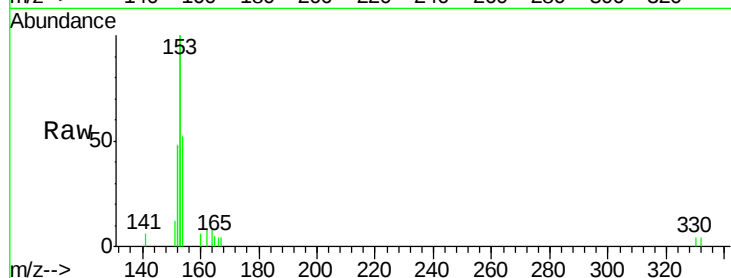
Acq: 25 Oct 2014 7:14

Instrument :

BNA_E

ClientSampleId :

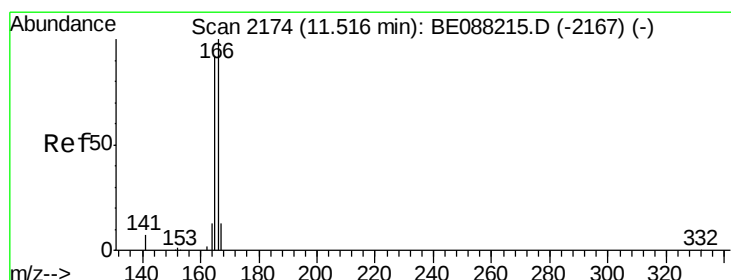
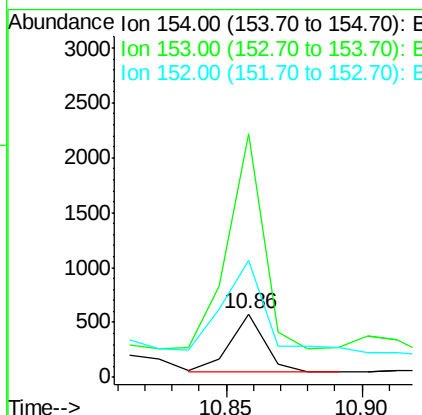
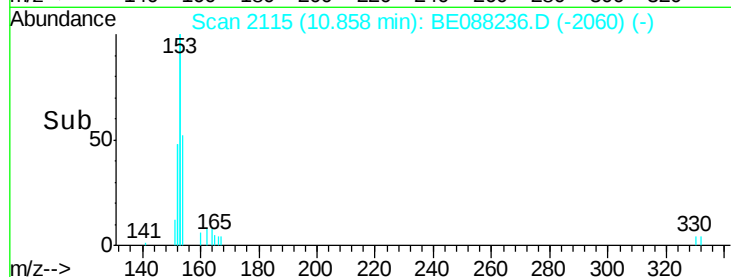
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Tgt	Ion	Ratio	Lower	Upper
154	100			
153	443.1	326.0	489.0	
152	252.2	155.6	233.4	

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#11

Fluorene

Concen: 0.04 ng

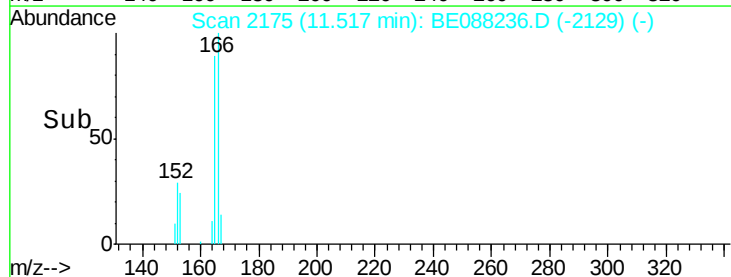
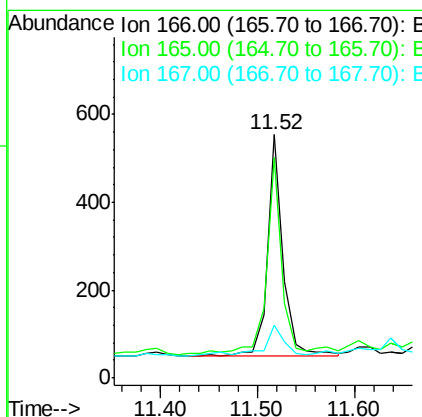
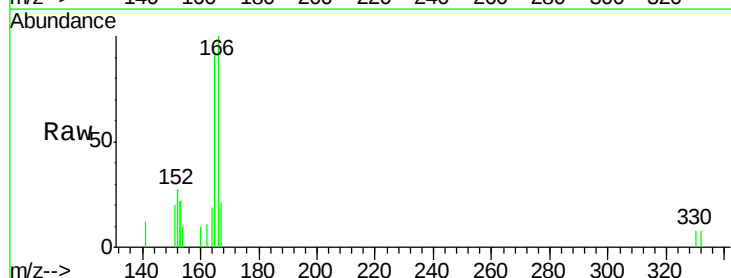
RT: 11.52 min Scan# 2175

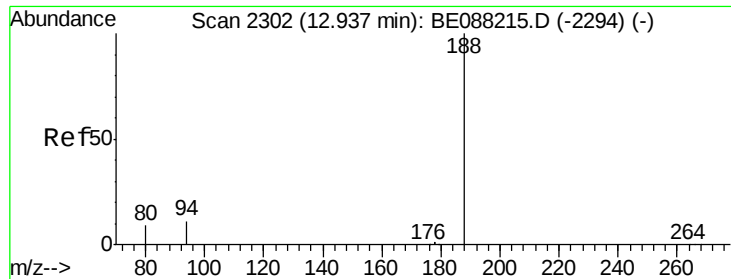
Delta R.T. 0.00 min

Lab File: BE088236.D

Acq: 25 Oct 2014 7:14

Tgt	Ion	Ratio	Lower	Upper
166	100			
165	86.1	71.8	107.6	
167	15.0	10.7	16.1	





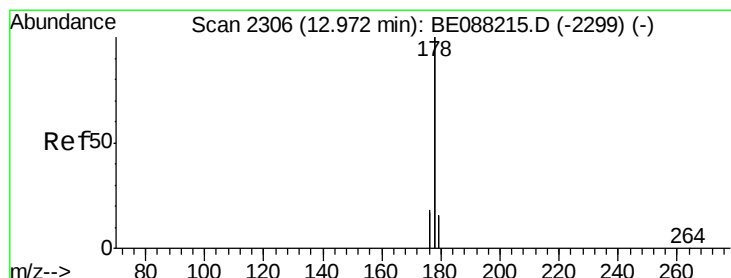
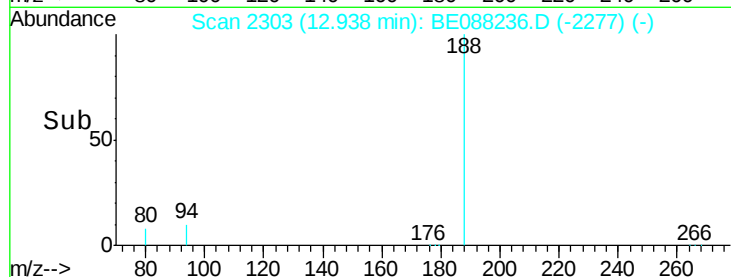
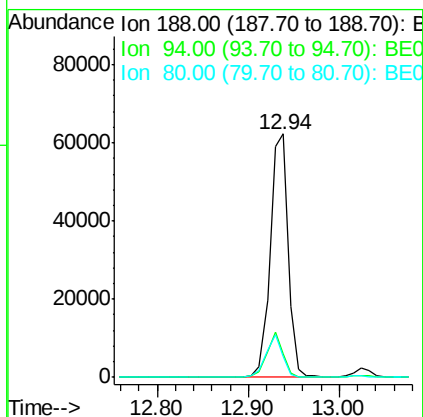
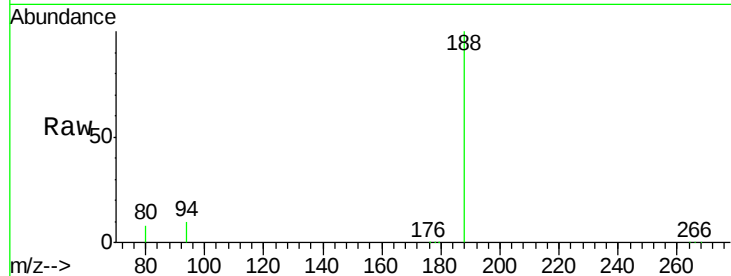
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.94 min Scan# 2303
Delta R.T. 0.00 min
Lab File: BE088236.D
Acq: 25 Oct 2014 7:14

Instrument :
BNA_E
ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.7	8.5	12.7
80	8.4	7.4	11.0

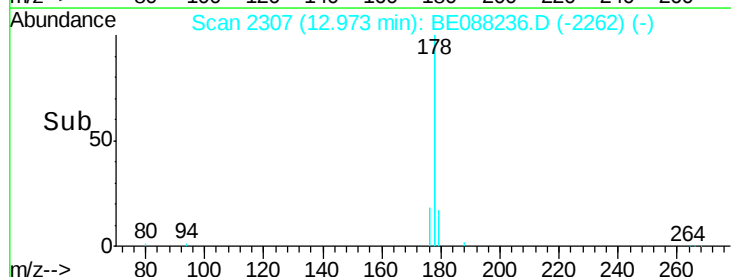
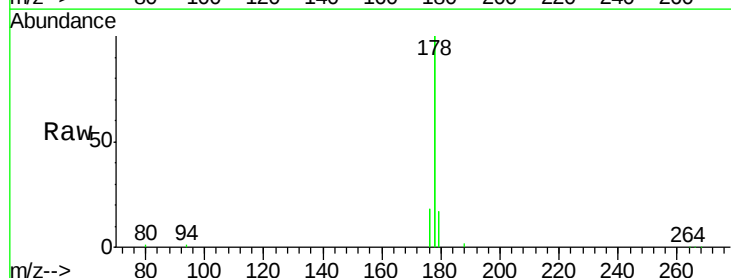
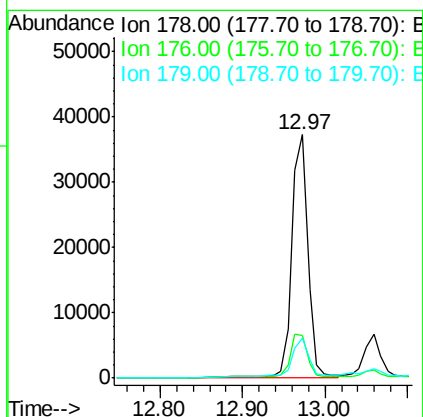
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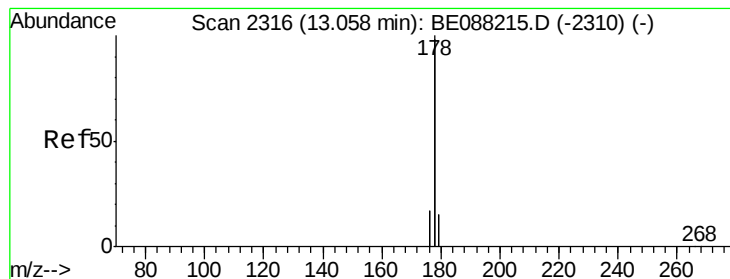
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#13
Phenanthrene
Concen: 0.59 ng
RT: 12.97 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BE088236.D
Acq: 25 Oct 2014 7:14

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	15.6	14.0	21.0
179	20.4	11.8	17.6#





#14

Anthracene

Concen: 0.11 ng

RT: 13.06 min Scan# 2317

Delta R.T. 0.00 min

Lab File: BE088236.D

Acq: 25 Oct 2014 7:14

Instrument :

BNA_E

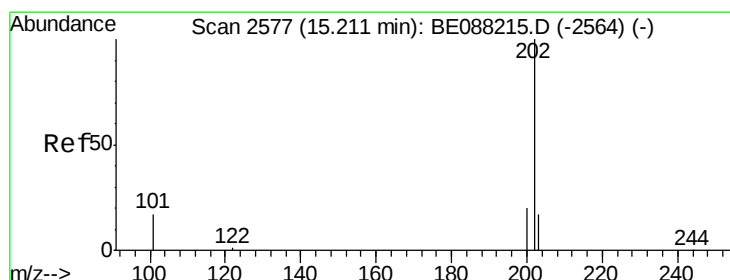
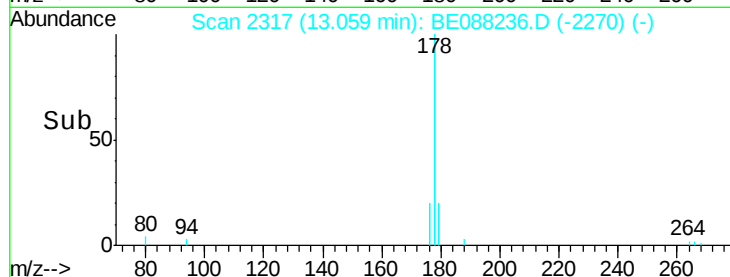
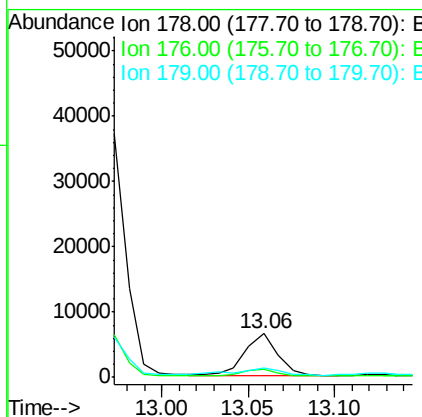
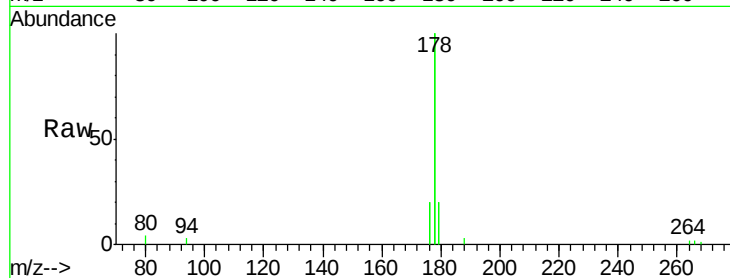
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.6	14.7	22.1
179	31.3	12.3	18.5



#15

Fluoranthene

Concen: 1.35 ng

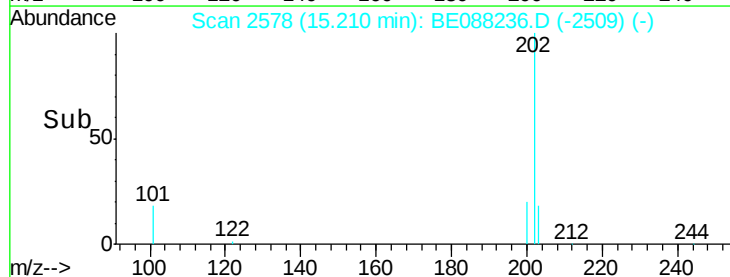
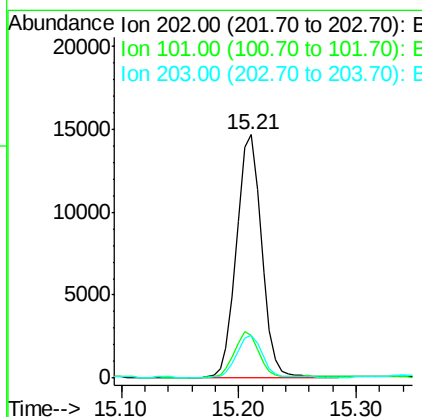
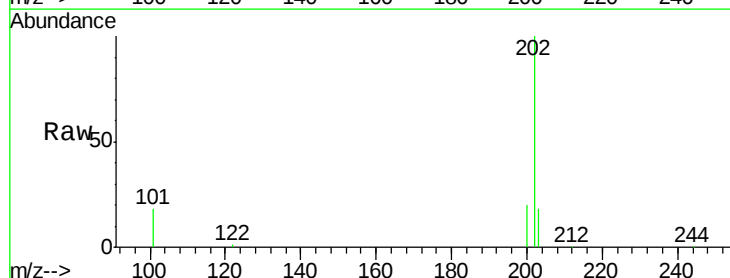
RT: 15.21 min Scan# 2578

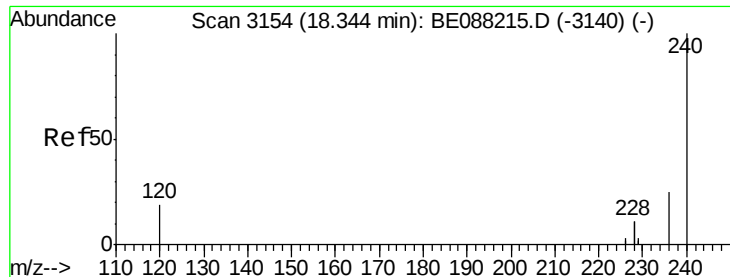
Delta R.T. -0.00 min

Lab File: BE088236.D

Acq: 25 Oct 2014 7:14

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: BE088236.D

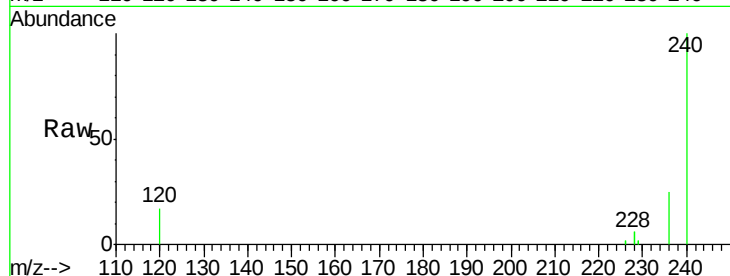
Acq: 25 Oct 2014 7:14

Instrument :

BNA_E

ClientSampleId :

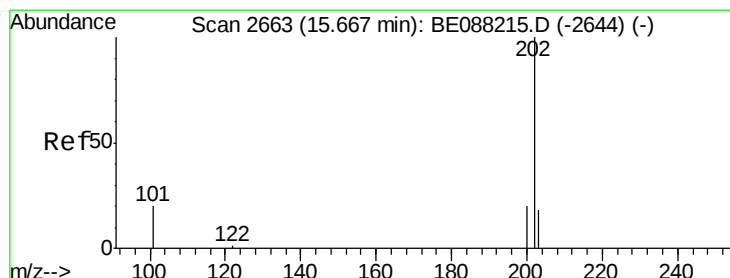
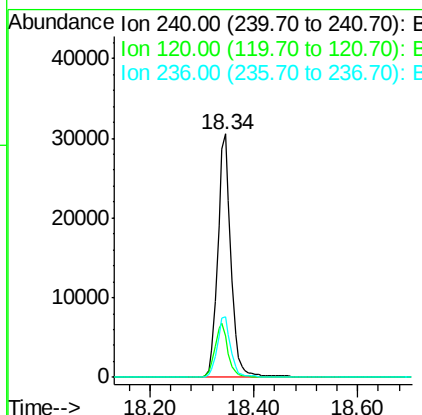
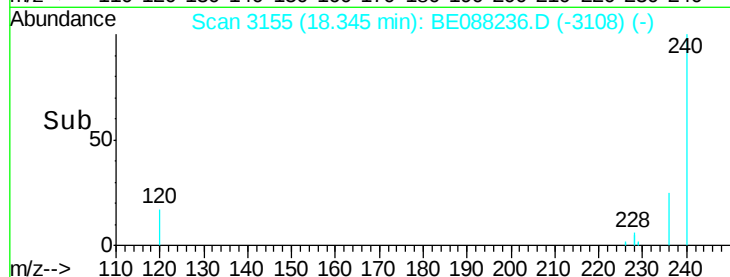
YS19-SB34-1014



Tgt Ion:	240	Resp:	53315
Ion Ratio	Lower	Upper	
240	100		
120	17.2	15.1	22.7
236	25.0	20.1	30.1

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#17

Pyrene

Concen: 1.30 ng

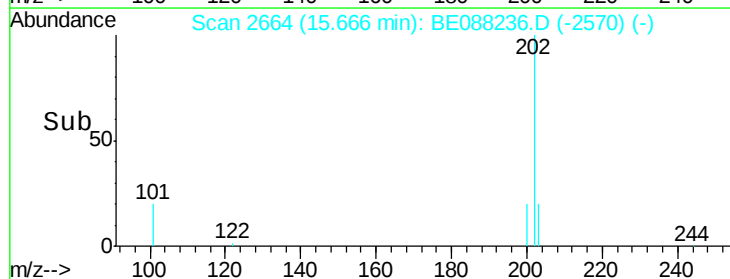
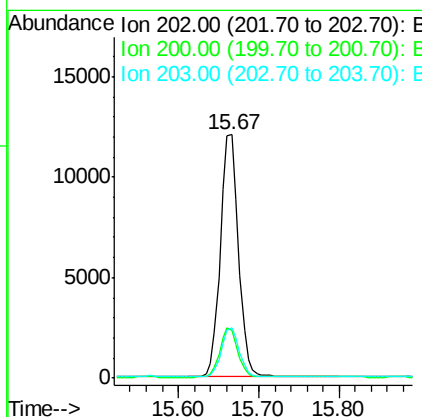
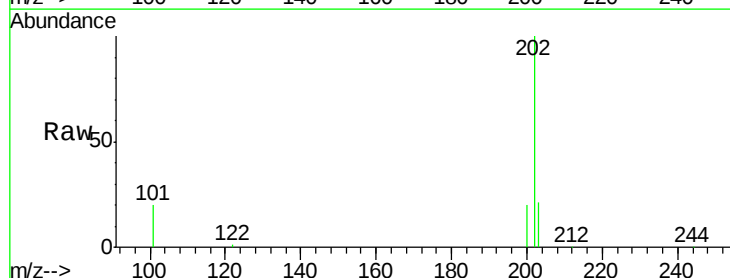
RT: 15.67 min Scan# 2664

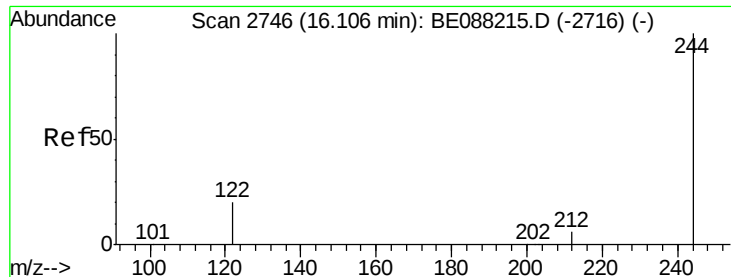
Delta R.T. -0.00 min

Lab File: BE088236.D

Acq: 25 Oct 2014 7:14

Tgt Ion:	202	Resp:	18999
Ion Ratio	Lower	Upper	
202	100		
200	20.0	16.2	24.2
203	19.9	13.8	20.8





#18

Terphenyl-d14

Concen: 55.35 ng

RT: 16.13 min Scan# 2752

Delta R.T. 0.03 min

Lab File: BE088236.D

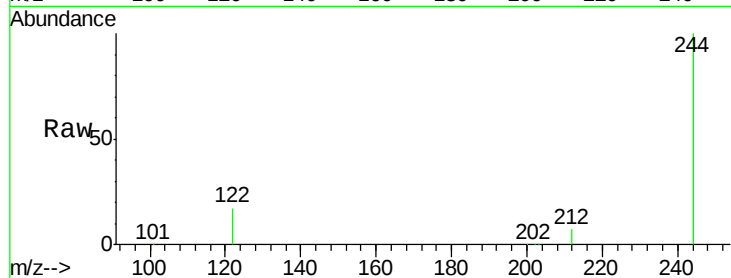
Acq: 25 Oct 2014 7:14

Instrument :

BNA_E

ClientSampleId :

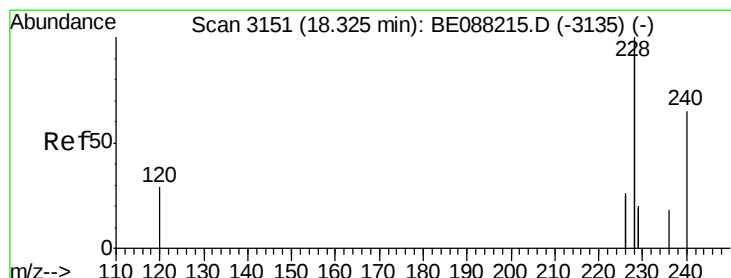
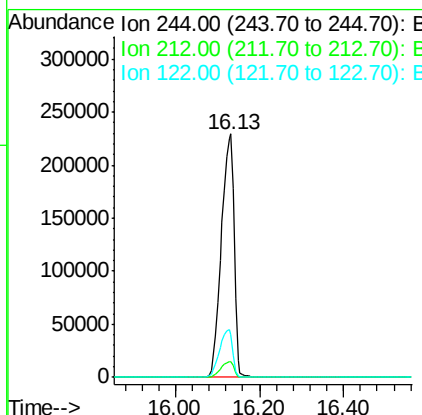
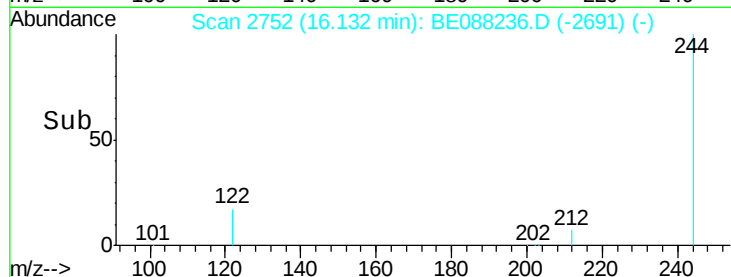
YS19-SB34-1014



Tgt Ion:	244	Resp:	483251
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.2
122	17.5	16.7	25.1

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#19

Benzo(a)anthracene

Concen: 0.72 ng

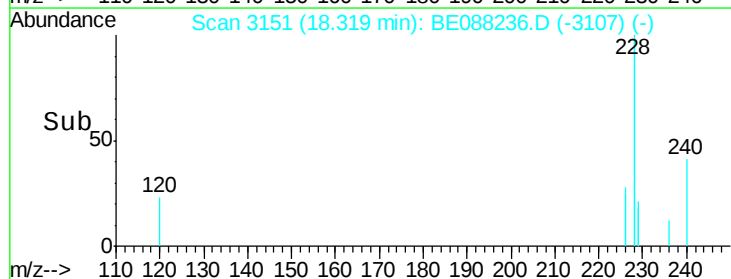
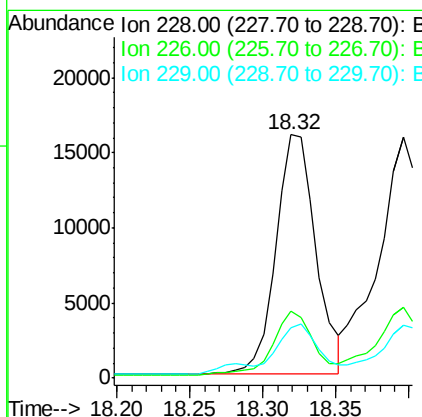
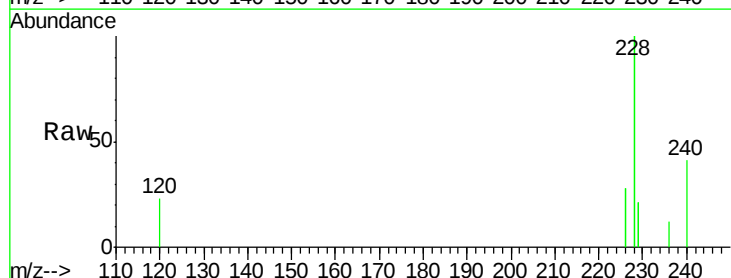
RT: 18.32 min Scan# 3151

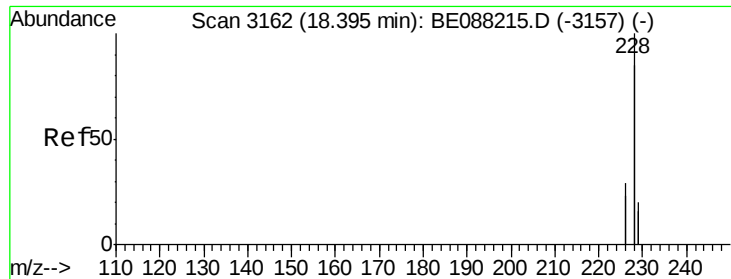
Delta R.T. -0.01 min

Lab File: BE088236.D

Acq: 25 Oct 2014 7:14

Tgt Ion:	228	Resp:	30354
Ion Ratio	Lower	Upper	
228	100		
226	27.5	20.5	30.7
229	20.9	16.1	24.1





#20

Chrysene

Concen: 0.73 ng

RT: 18.40 min Scan# 3163

Delta R.T. 0.00 min

Lab File: BE088236.D

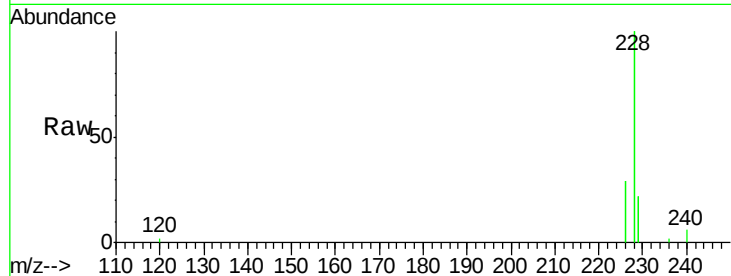
Acq: 25 Oct 2014 7:14

Instrument :

BNA_E

ClientSampleId :

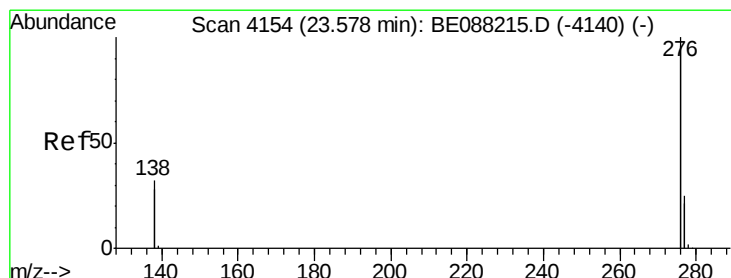
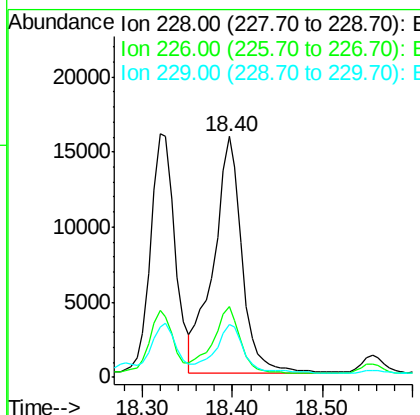
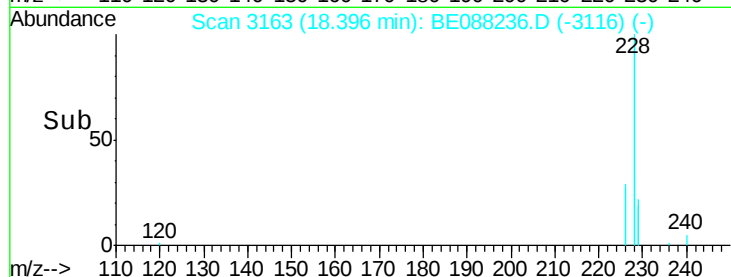
YS19-SB34-1014



Tgt Ion:	228	Resp:	34778
Ion Ratio	Lower	Upper	
228	100		
226	29.2	23.3	34.9
229	22.0	15.6	23.4

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#21

Indeno(1,2,3-cd)pyrene

Concen: 0.56 ng

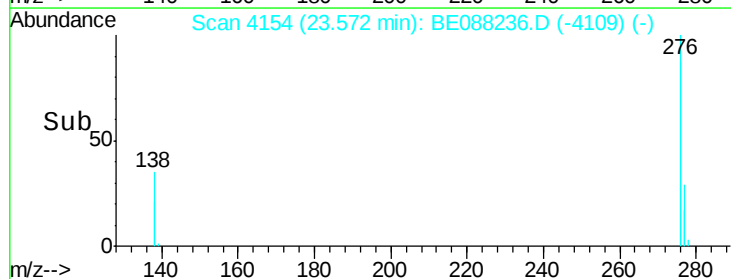
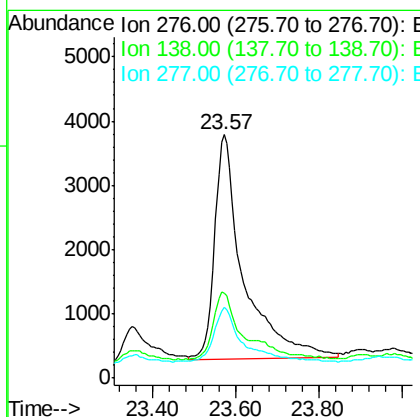
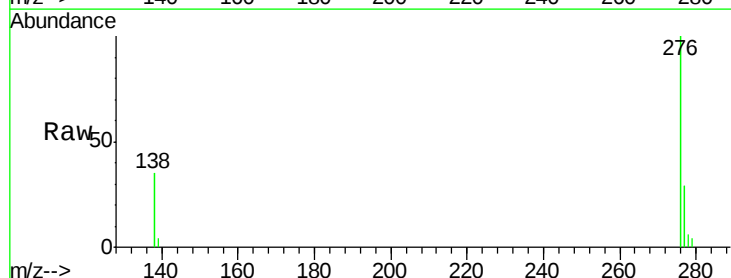
RT: 23.57 min Scan# 4154

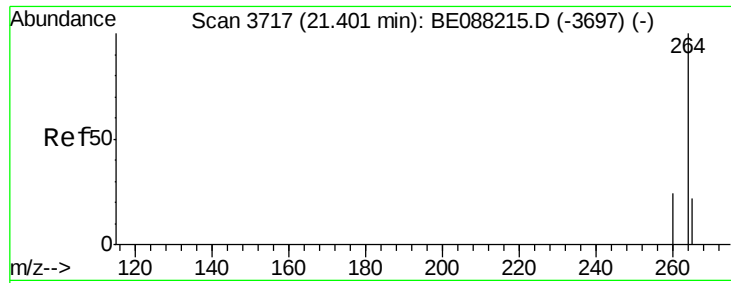
Delta R.T. -0.01 min

Lab File: BE088236.D

Acq: 25 Oct 2014 7:14

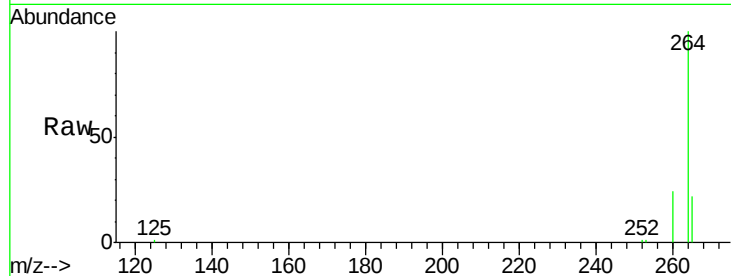
Tgt Ion:	276	Resp:	16777
Ion Ratio	Lower	Upper	
276	100		
138	31.4	13.9	20.9#
277	25.8	10.7	16.1#





#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.40 min Scan# 3717
 Delta R.T. -0.00 min
 Lab File: BE088236.D
 Acq: 25 Oct 2014 7:14

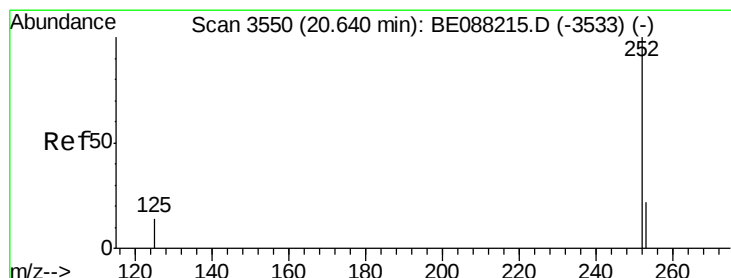
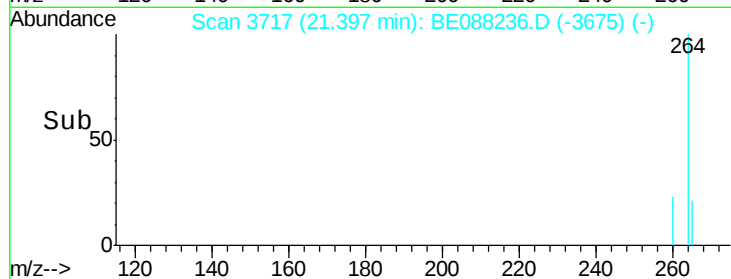
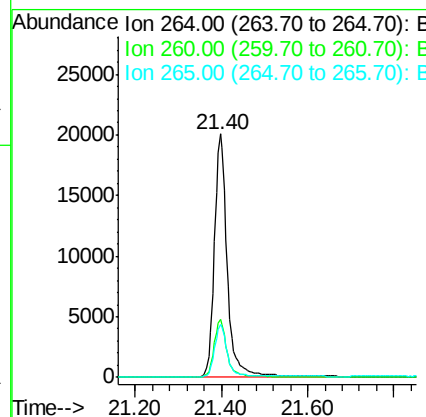
Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB34-1014



Tgt Ion: 264 Resp: 41917
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.0 28.4
 265 21.5 17.4 26.2

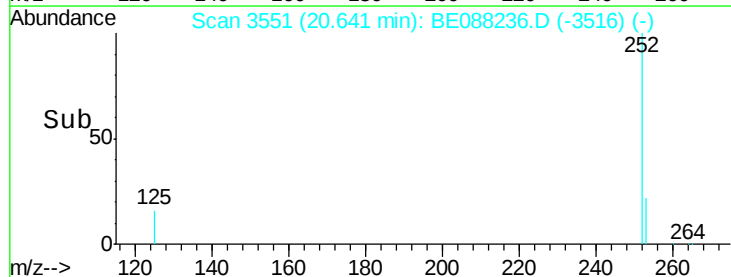
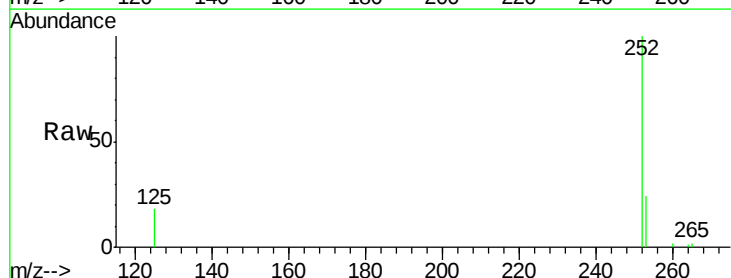
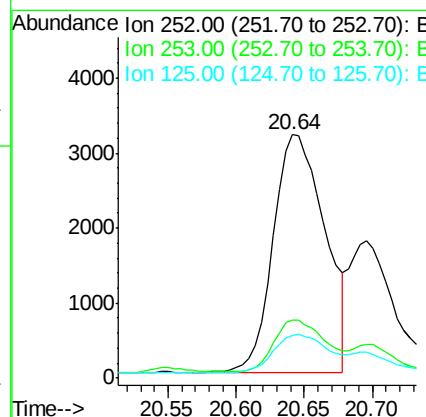
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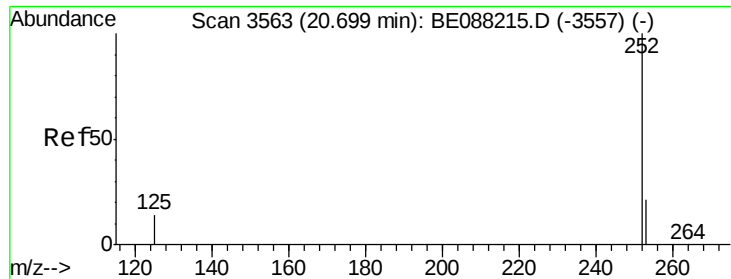
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#23
 Benzo(b)fluoranthene
 Concen: 1.08 ng
 RT: 20.64 min Scan# 3551
 Delta R.T. 0.00 min
 Lab File: BE088236.D
 Acq: 25 Oct 2014 7:14

Tgt Ion: 252 Resp: 8383
 Ion Ratio Lower Upper
 252 100
 253 23.7 17.9 26.9
 125 17.5 12.2 18.2





#24

Benzo(k)fluoranthene

Concen: 0.39 ng m

RT: 20.70 min Scan# 3563

Delta R.T. -0.00 min

Lab File: BE088236.D

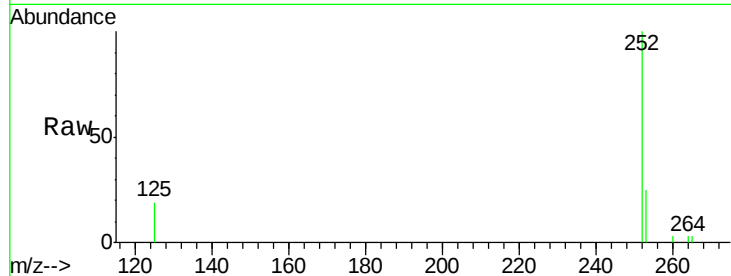
Acq: 25 Oct 2014 7:14

Instrument :

BNA_E

ClientSampleId :

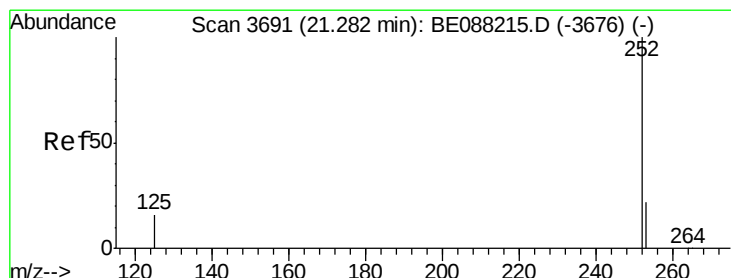
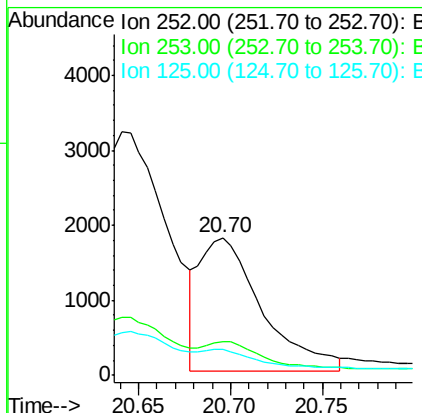
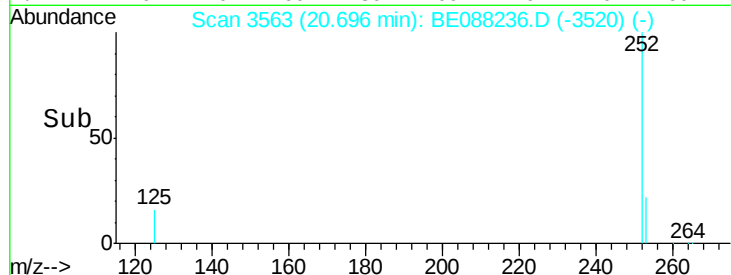
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.6	26.4
125	19.1	12.1	18.1

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#25

Benzo(a)pyrene

Concen: 0.74 ng

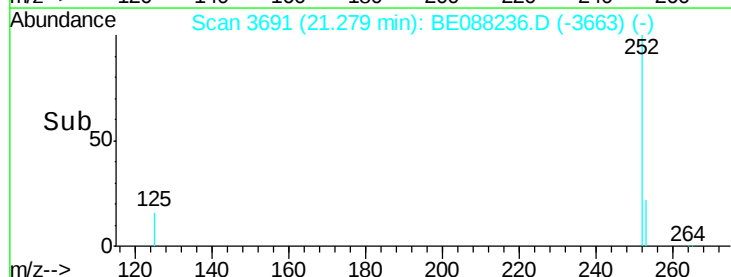
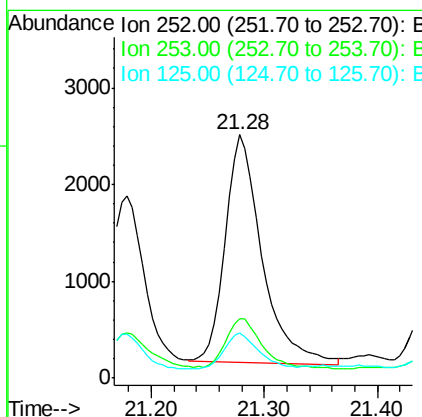
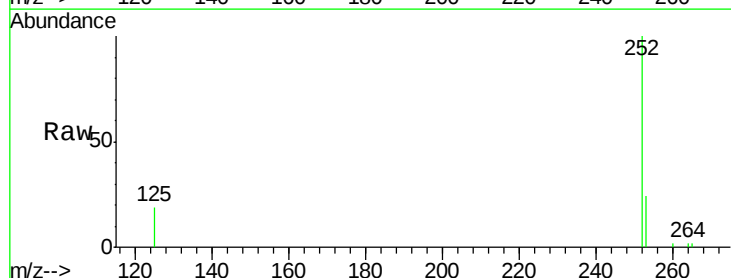
RT: 21.28 min Scan# 3691

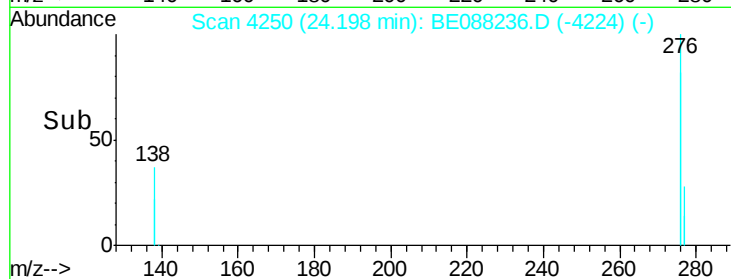
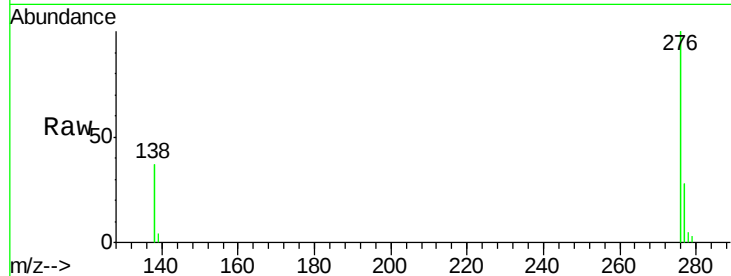
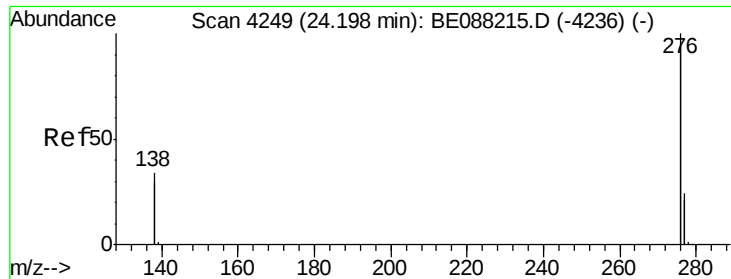
Delta R.T. -0.00 min

Lab File: BE088236.D

Acq: 25 Oct 2014 7:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.8
125	18.7	13.5	20.3





#27
 Benzo(g,h,i)perylene
 Concen: 0.48 ng
 RT: 24.20 min Scan# 4250
 Delta R.T. -0.00 min
 Lab File: BE088236.D
 Acq: 25 Oct 2014 7:14

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	27.7	19.4	29.2
138	37.1	27.3	40.9

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB34-1014

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