

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
 Data File : BE088133.D
 Acq On : 21 Oct 2014 9:40
 Operator : TP/JJ
 Sample : F4303-18
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-EB01-101414-SO

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Quant Time: Oct 21 15:01:12 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 21 02:11:14 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	41912	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	154967	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	69622	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	125470	5.00	ng	0.00
16) Chrysene-d12	18.38	240	88349	5.00	ng	0.00
22) Perylene-d12	21.44	264	84188	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.82	82	85443	7.65	ng	0.00
8) 2-Fluorobiphenyl	10.03	172	140150	7.29	ng	0.00
18) Terphenyl-d14	16.15	244	116372	8.19	ng	0.00
Target Compounds						Qvalue
15) Fluoranthene	15.25	202	1471	0.06	ng	98
17) Pyrene	15.70	202	1622	0.07	ng	99
19) Benzo(a)anthracene	18.36	228	6514m	0.08	ng	
20) Chrysene	18.43	228	7211	0.09	ng	94
21) Indeno(1,2,3-cd)pyrene	23.63	276	4741m	0.06	ng	
23) Benzo(b)fluoranthene	20.68	252	1169	0.06	ng	# 86
24) Benzo(k)fluoranthene	20.74	252	1329	0.06	ng	# 84
25) Benzo(a)pyrene	21.32	252	818	0.04	ng	# 78
26) Dibenzo(a,h)anthracene	23.73	278	813	0.04	ng	# 71
27) Benzo(g,h,i)perylene	24.26	276	4194	0.05	ng	# 82

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

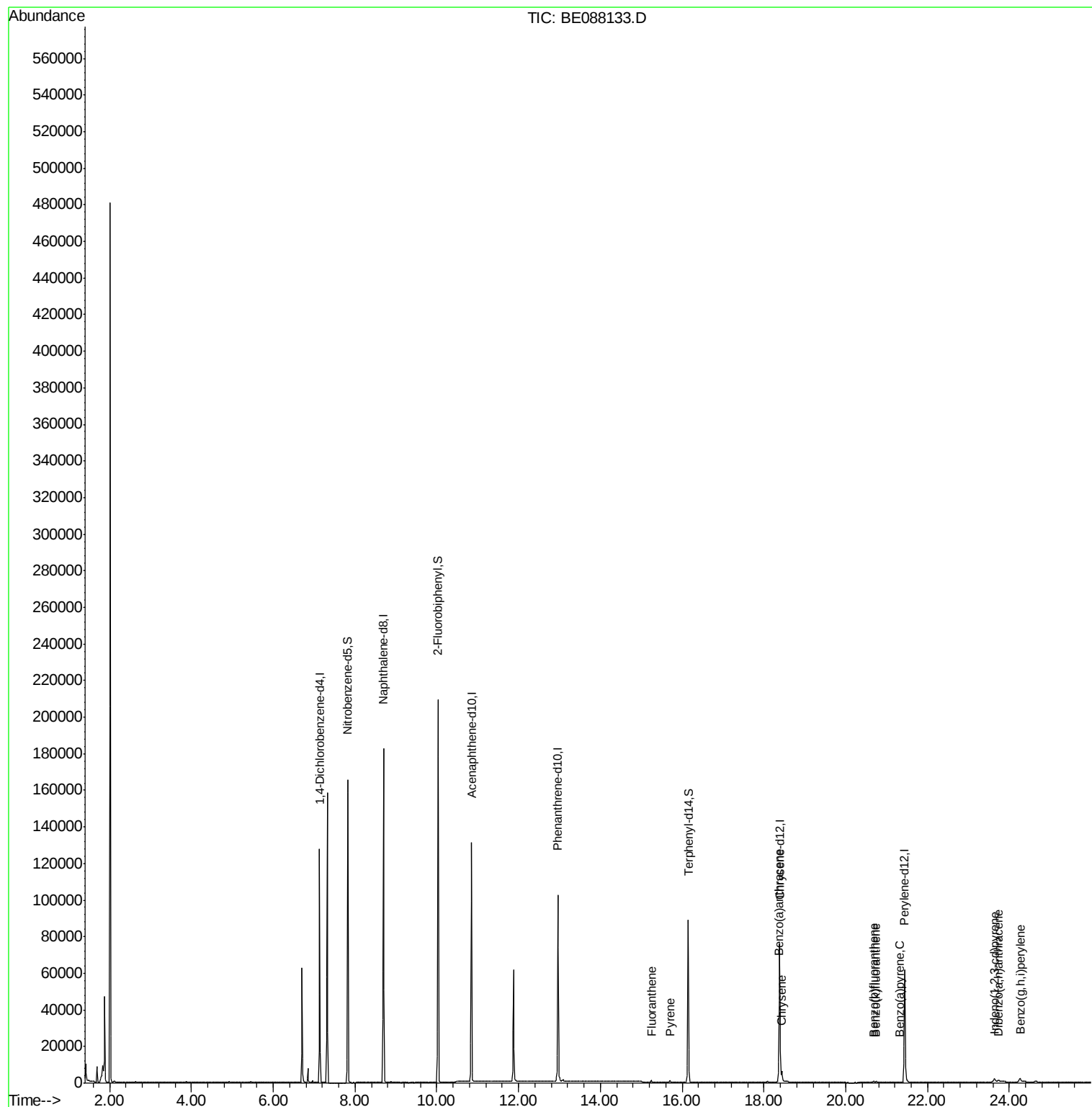
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
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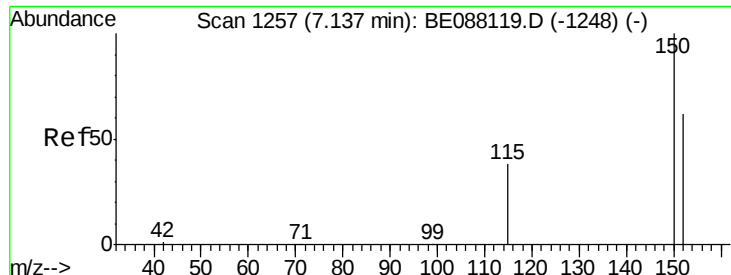
Instrument :
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Quant Time: Oct 21 15:01:12 2014
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QLast Update : Tue Oct 21 02:11:14 2014
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088133.D

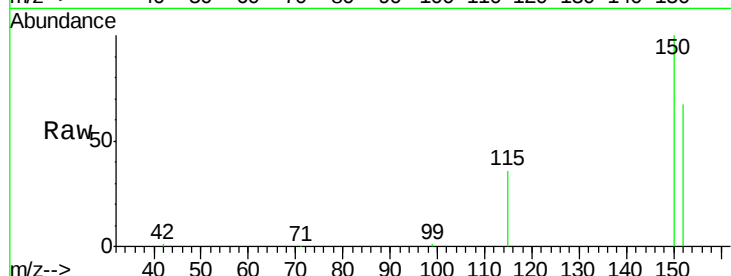
Acq: 21 Oct 2014 9:40

Instrument :

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ClientSampleId :

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Tgt Ion:152 Resp: 41912

Ion Ratio Lower Upper

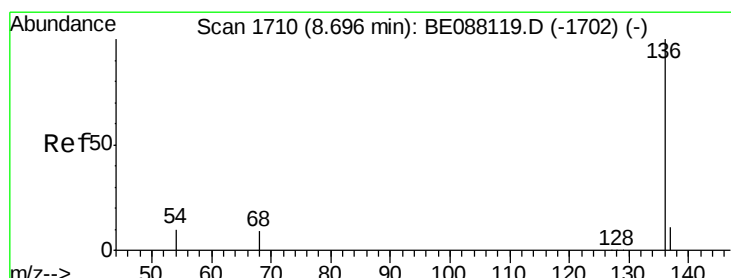
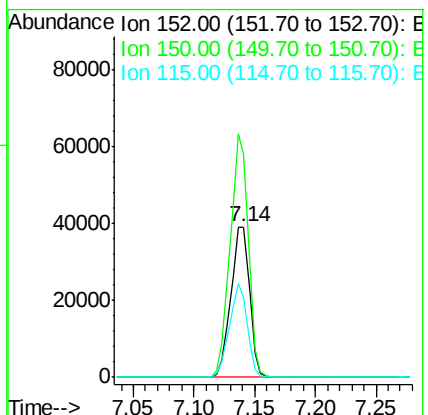
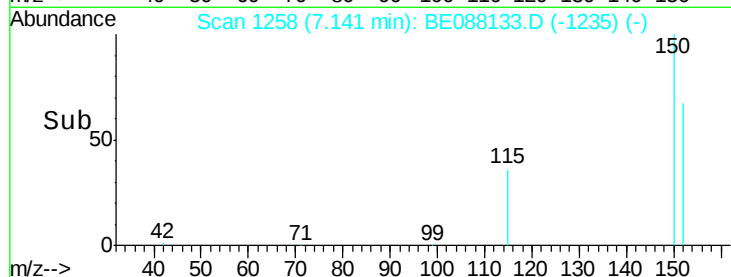
152 100

150 148.4 129.2 193.8

115 52.9 49.3 73.9

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#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.70 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BE088133.D

Acq: 21 Oct 2014 9:40

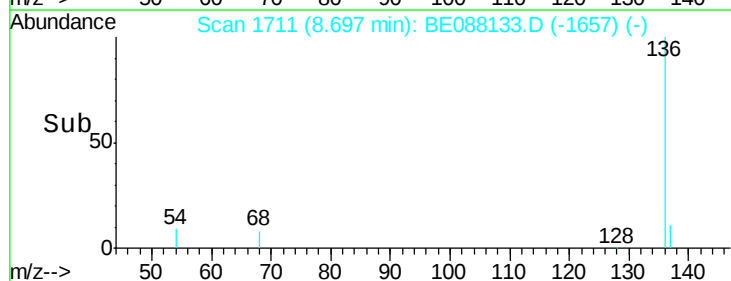
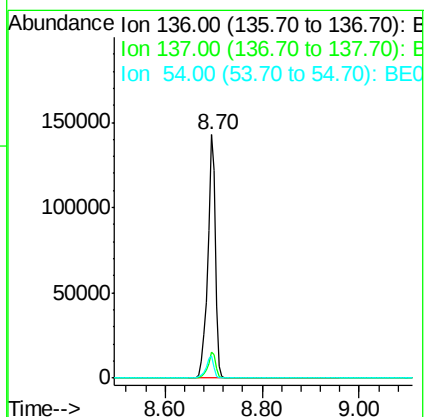
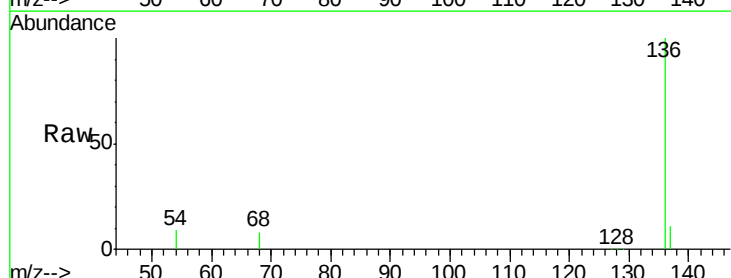
Tgt Ion:136 Resp: 154967

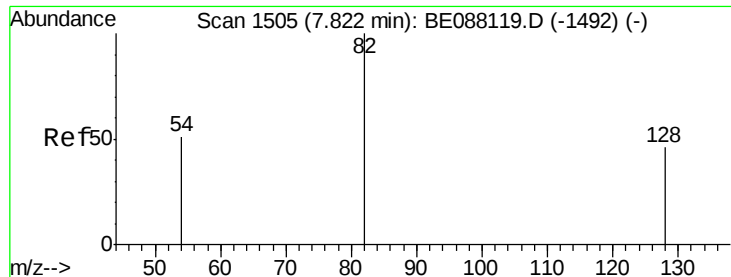
Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

54 8.9 7.7 11.5





#4

Nitrobenzene-d5

Concen: 7.65 ng

RT: 7.82 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BE088133.D

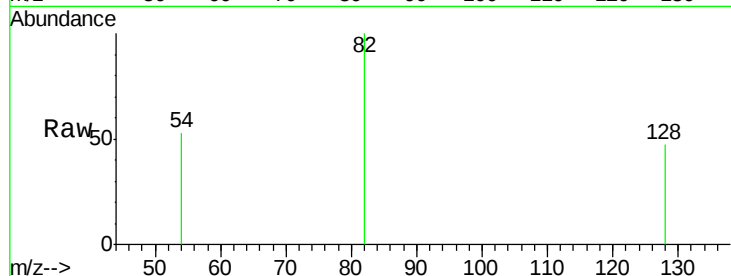
Acq: 21 Oct 2014 9:40

Instrument :

BNA_E

ClientSampleId :

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Tgt Ion: 82 Resp: 85443

Ion Ratio Lower Upper

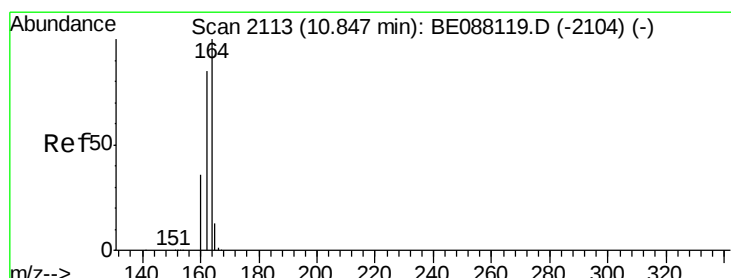
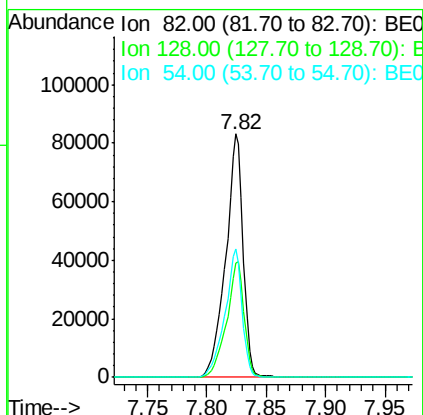
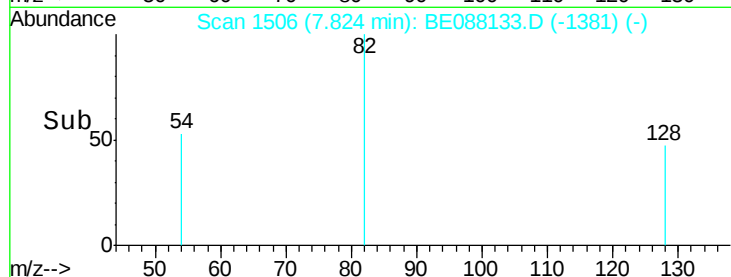
82 100

128 47.0 37.1 55.7

54 52.6 41.1 61.7

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#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.85 min Scan# 2114

Delta R.T. 0.00 min

Lab File: BE088133.D

Acq: 21 Oct 2014 9:40

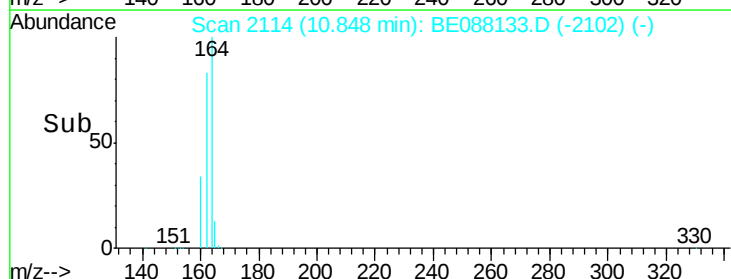
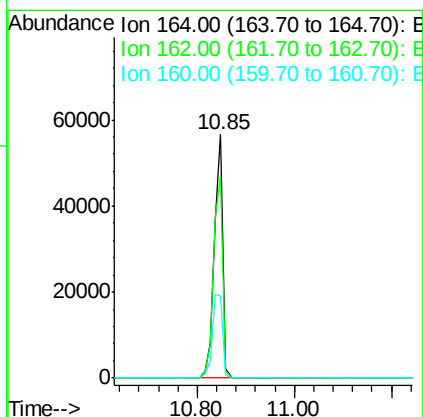
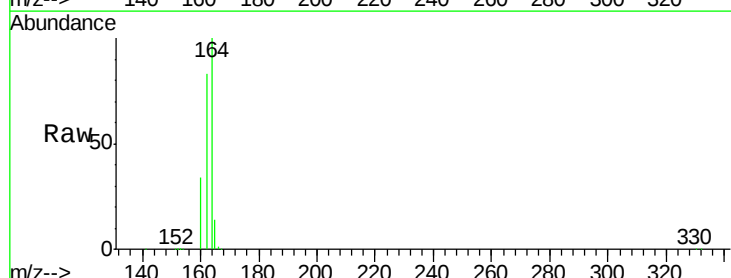
Tgt Ion: 164 Resp: 69622

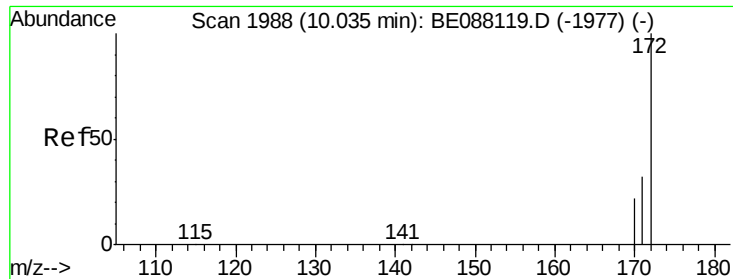
Ion Ratio Lower Upper

164 100

162 82.7 68.3 102.5

160 33.9 28.7 43.1





#8

2-Fluorobiphenyl

Concen: 7.29 ng

RT: 10.03 min Scan# 1989

Delta R.T. -0.00 min

Lab File: BE088133.D

Acq: 21 Oct 2014 9:40

Instrument :

BNA_E

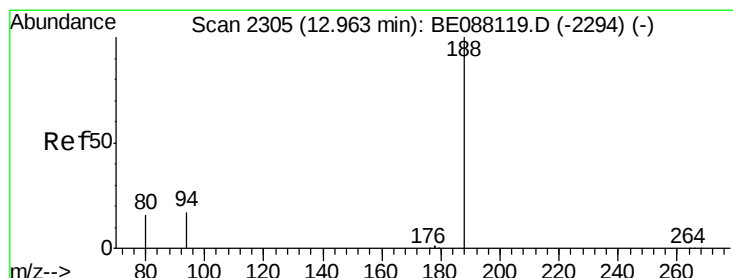
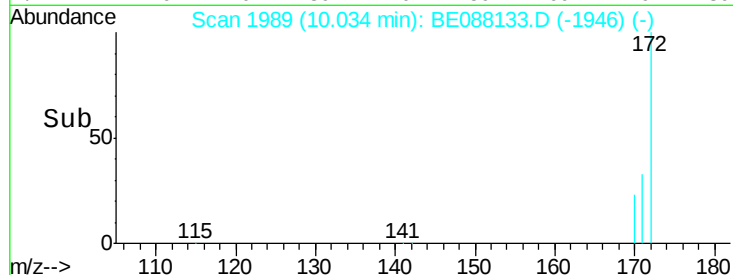
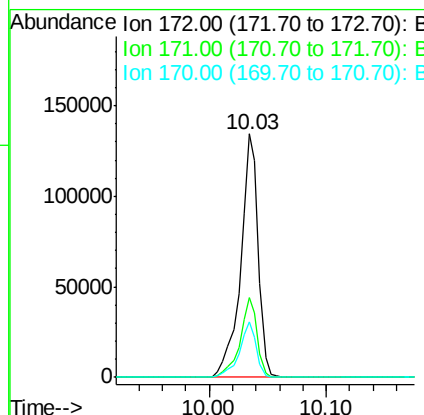
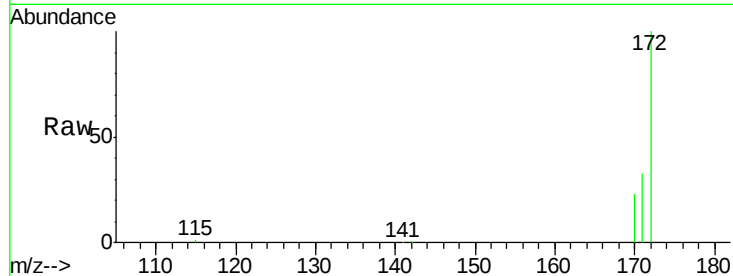
ClientSampleId :

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Tgt Ion:	172	Resp:	140150
Ion Ratio		Lower	Upper
172	100		
171	32.7	25.4	38.2
170	22.6	17.4	26.2

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#12

Phenanthrene-d10

Concen: 5.00 ng

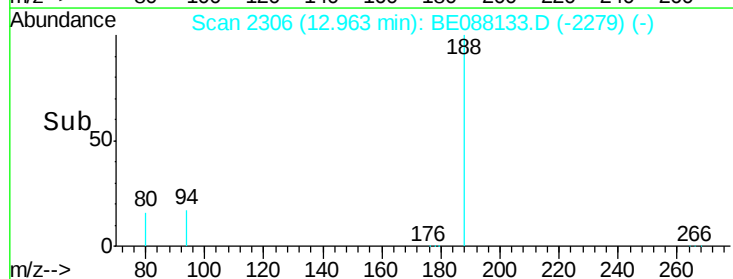
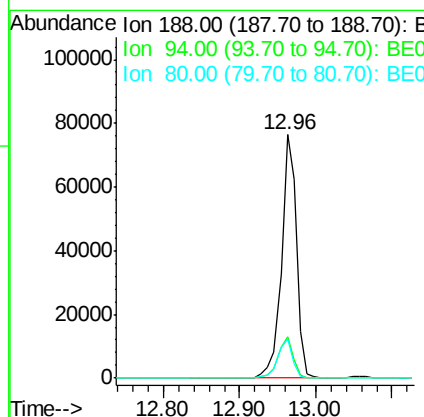
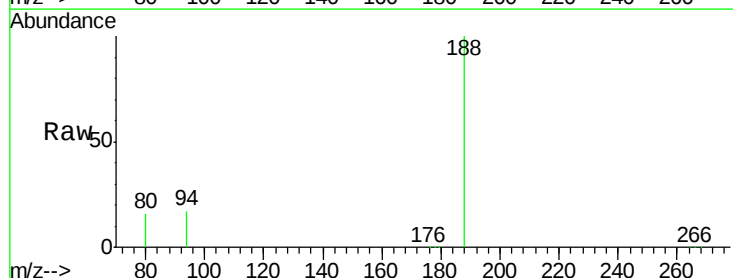
RT: 12.96 min Scan# 2306

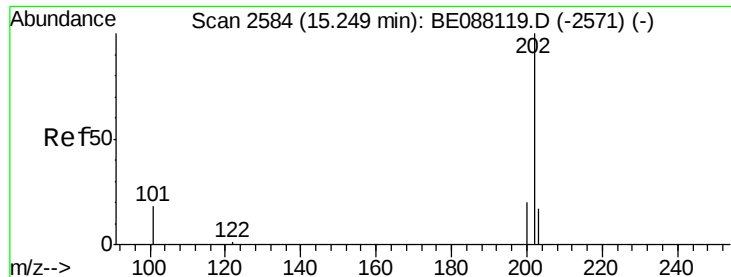
Delta R.T. -0.00 min

Lab File: BE088133.D

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Tgt Ion:	188	Resp:	125470
Ion Ratio		Lower	Upper
188	100		
94	17.1	13.9	20.9
80	15.9	12.9	19.3





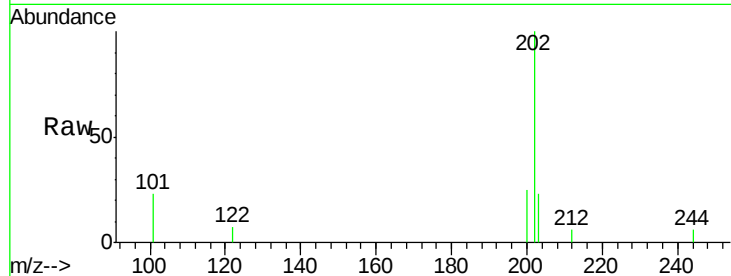
#15
 Fluoranthene
 Concen: 0.06 ng
 RT: 15.25 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: BE088133.D
 Acq: 21 Oct 2014 9:40

Instrument :
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 ClientSampleId :
 YS19-EB01-101414-SO

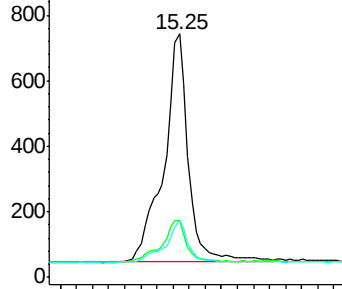
Tgt	Ion	202	Resp:	1471
Ion	Ratio	Lower	Upper	
202	100			
101	16.9	14.8	22.2	
203	16.3	13.5	20.3	

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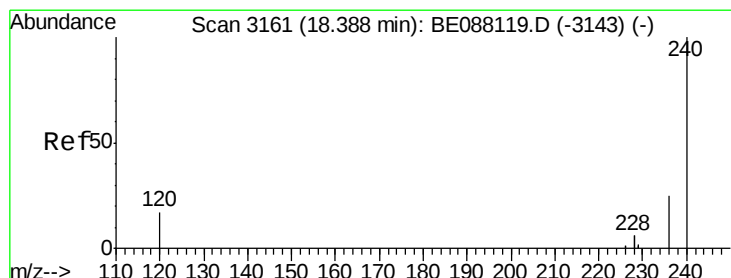
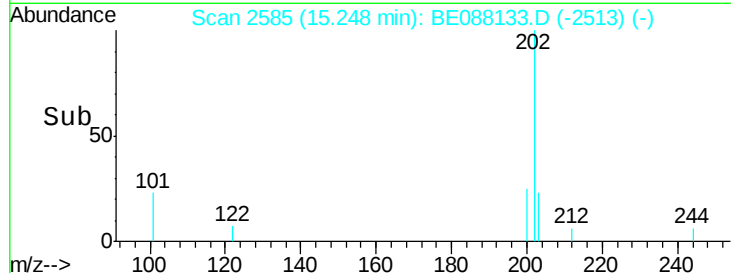
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Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E



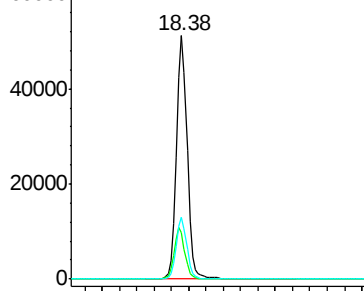
Time--> 15.10 15.20 15.30 15.40



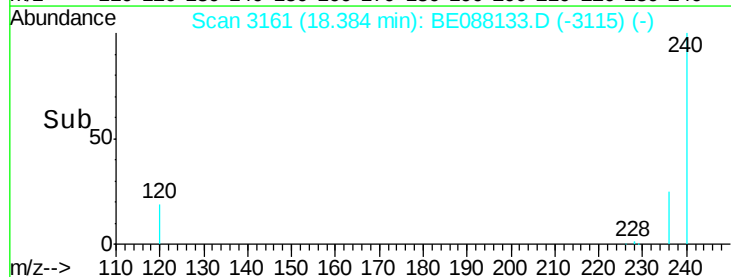
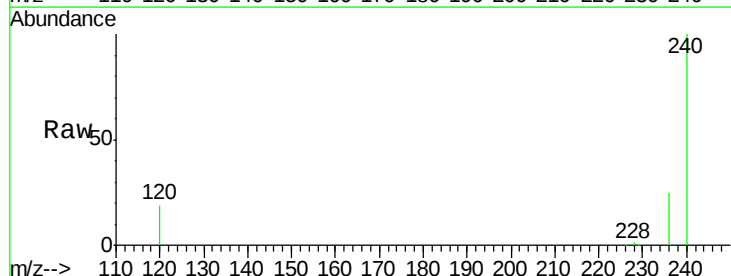
#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.38 min Scan# 3161
 Delta R.T. -0.00 min
 Lab File: BE088133.D
 Acq: 21 Oct 2014 9:40

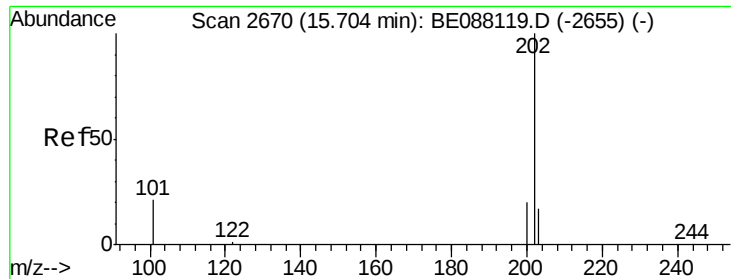
Tgt	Ion	240	Resp:	88349
Ion	Ratio	Lower	Upper	
240	100			
120	18.8	13.9	20.9	
236	25.5	19.9	29.9	

Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E



Time--> 18.20 18.40 18.60





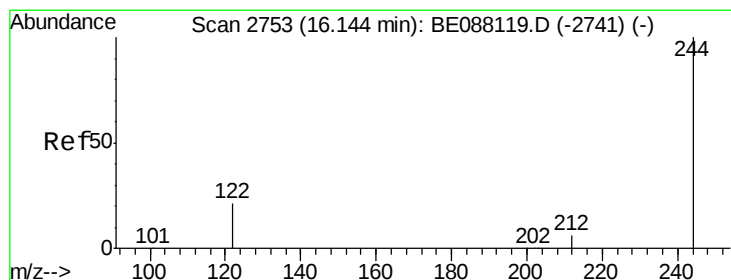
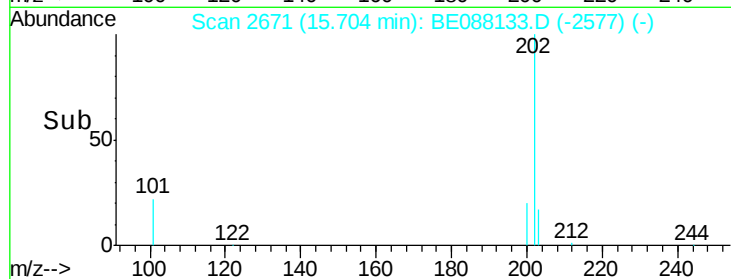
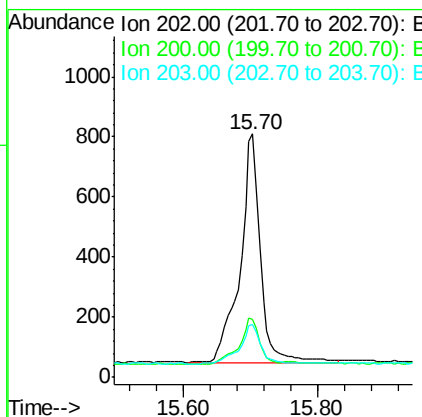
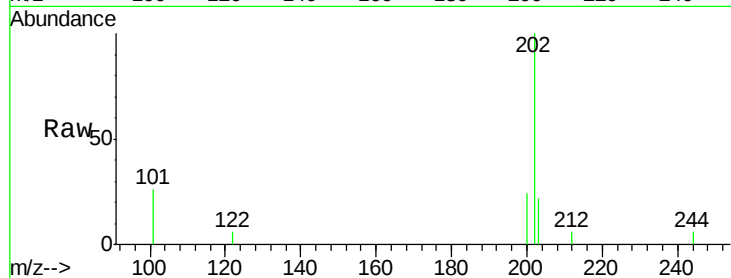
#17
 Pyrene
 Concen: 0.07 ng
 RT: 15.70 min Scan# 2671
 Delta R.T. -0.00 min
 Lab File: BE088133.D
 Acq: 21 Oct 2014 9:40

Instrument :
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 ClientSampleId :
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Tgt Ion:	202	Resp:	1622
Ion Ratio	Lower	Upper	
202	100		
200	19.4	16.1	24.1
203	17.6	13.9	20.9

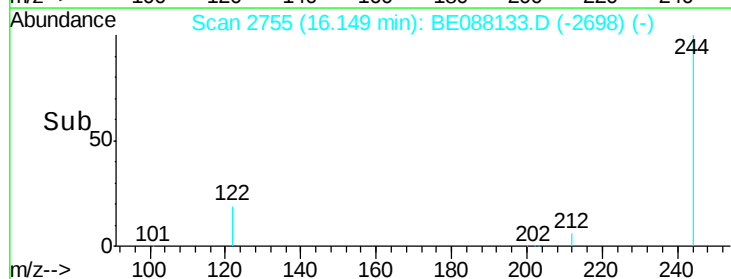
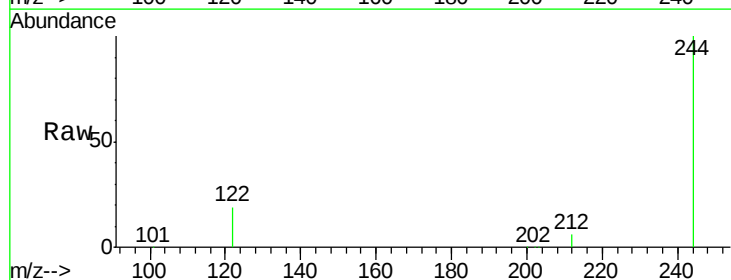
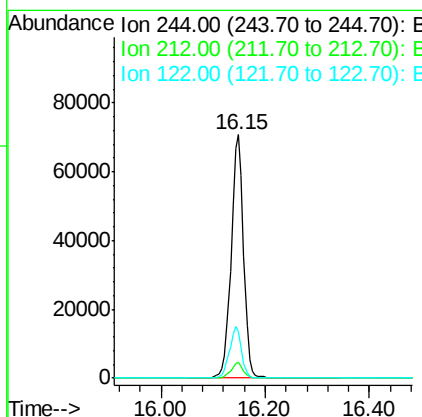
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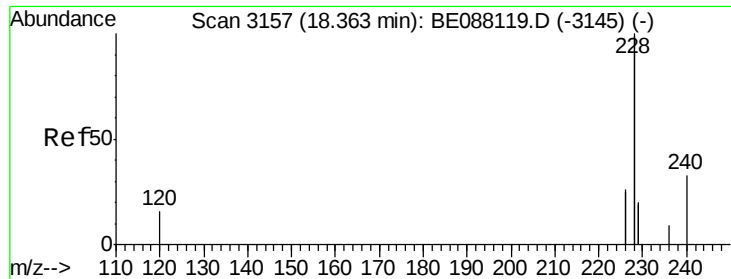
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#18
 Terphenyl-d14
 Concen: 8.19 ng
 RT: 16.15 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BE088133.D
 Acq: 21 Oct 2014 9:40

Tgt Ion:	244	Resp:	116372
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.4	8.0
122	18.9	17.5	26.3





#19

Benzo(a)anthracene

Concen: 0.08 ng m

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088133.D

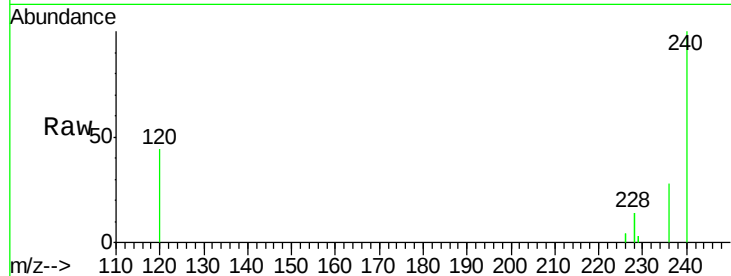
Acq: 21 Oct 2014 9:40

Instrument :

BNA_E

ClientSampleId :

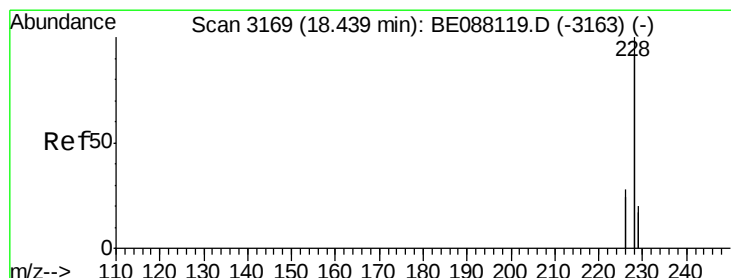
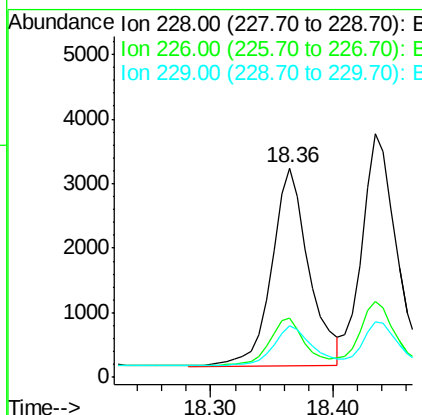
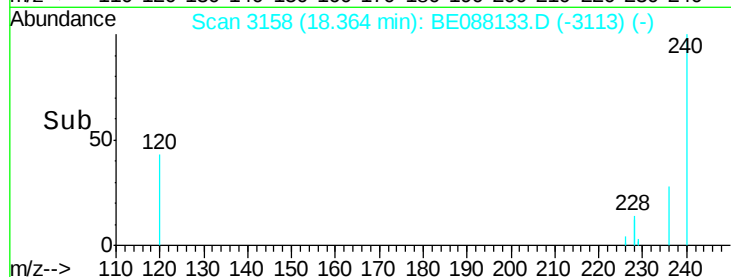
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Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	20.8	31.2
229	24.7	15.6	23.4

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#20

Chrysene

Concen: 0.09 ng

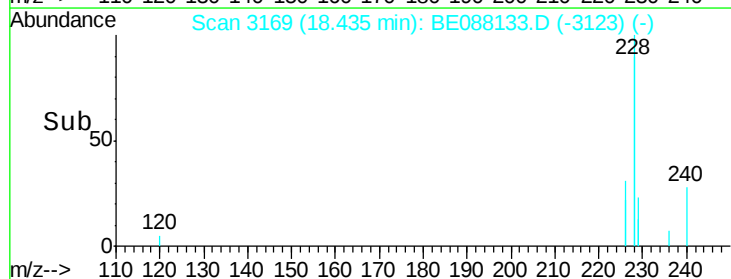
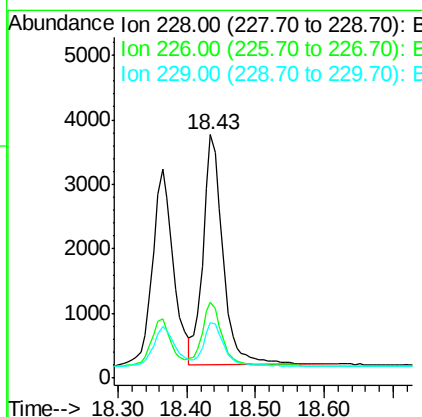
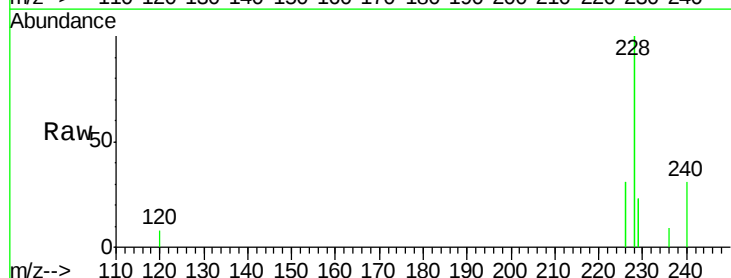
RT: 18.43 min Scan# 3169

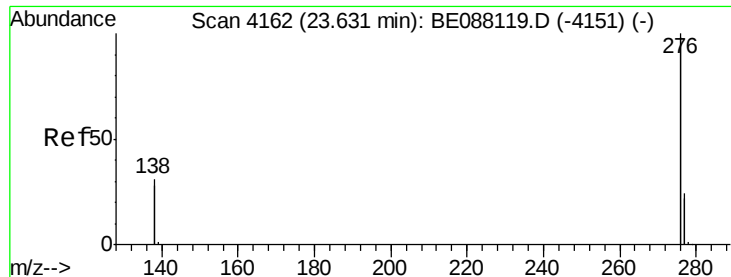
Delta R.T. -0.00 min

Lab File: BE088133.D

Acq: 21 Oct 2014 9:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.7	34.1
229	22.8	15.8	23.6





#21

Indeno(1,2,3-cd)pyrene

Concen: 0.06 ng m

RT: 23.63 min Scan# 4163

Delta R.T. -0.00 min

Lab File: BE088133.D

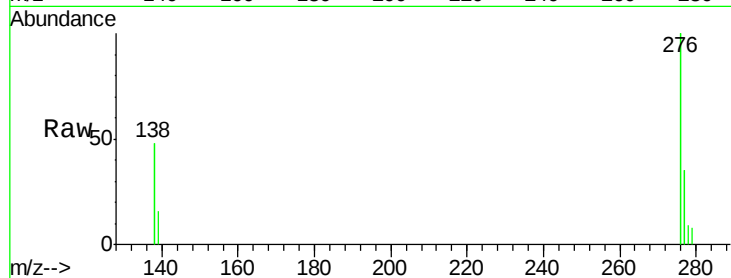
Acq: 21 Oct 2014 9:40

Instrument :

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ClientSampleId :

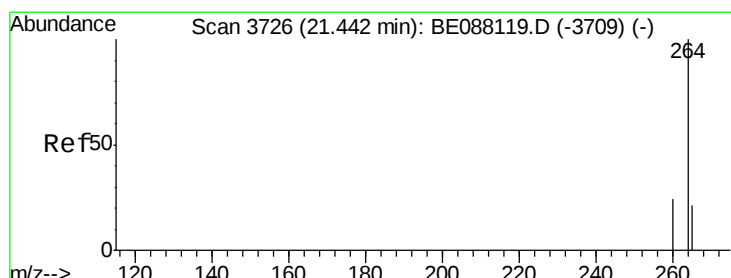
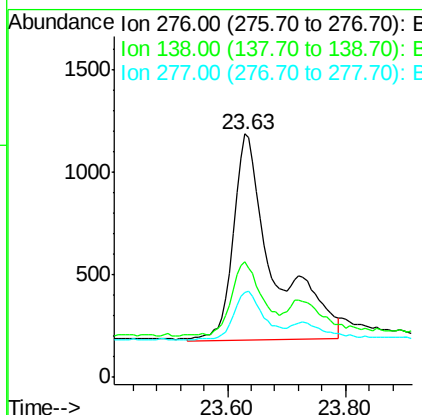
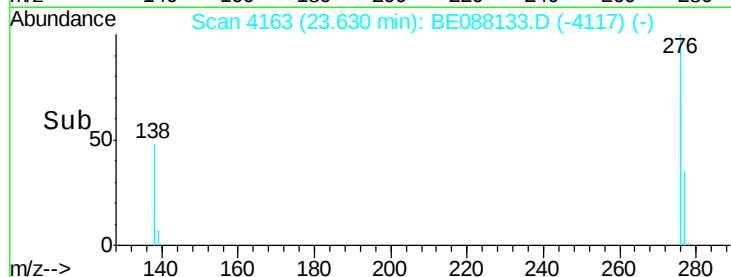
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Tgt Ion:	276	Resp:	4741
Ion Ratio	Lower	Upper	
276	100		
138	27.9	18.5	27.7#
277	17.6	14.6	21.8

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#22

Perylene-d12

Concen: 5.00 ng

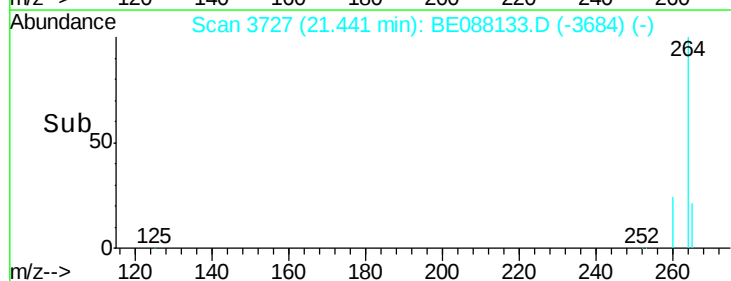
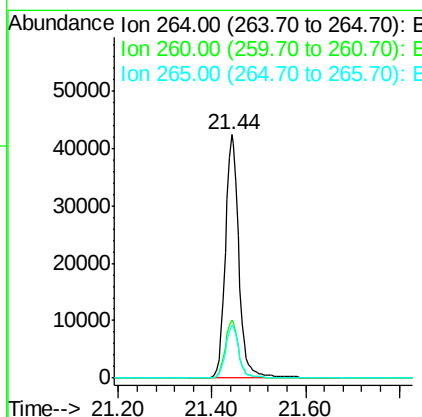
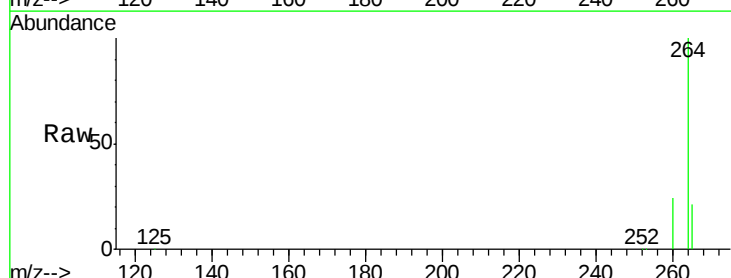
RT: 21.44 min Scan# 3727

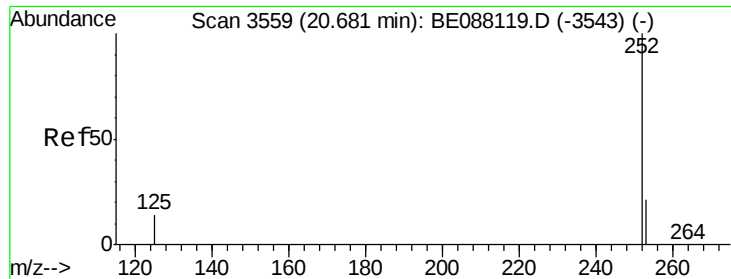
Delta R.T. -0.00 min

Lab File: BE088133.D

Acq: 21 Oct 2014 9:40

Tgt Ion:	264	Resp:	84188
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.0	28.4
265	21.5	17.2	25.8





#23

Benzo(b)fluoranthene

Concen: 0.06 ng

RT: 20.68 min Scan# 3560

Delta R.T. -0.00 min

Lab File: BE088133.D

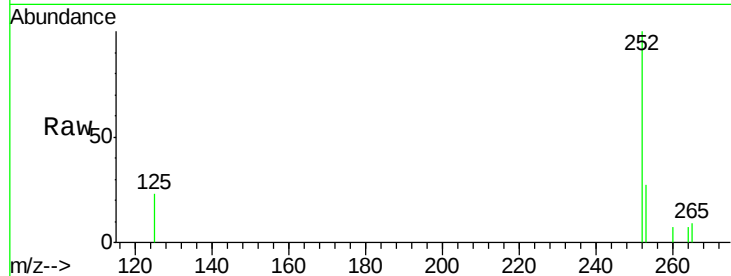
Acq: 21 Oct 2014 9:40

Instrument :

BNA_E

ClientSampleId :

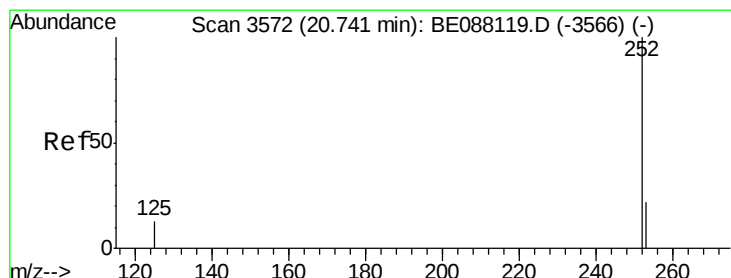
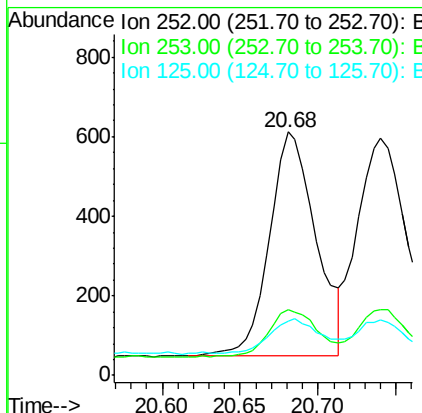
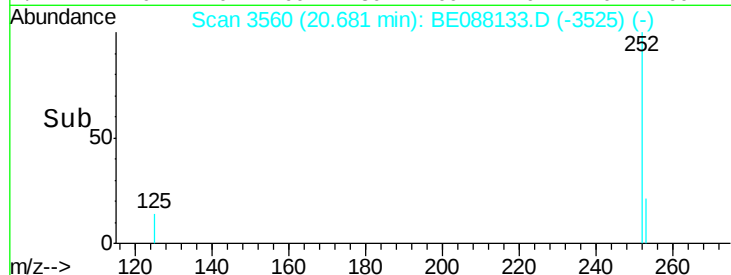
YS19-EB01-101414-SO



Tgt Ion:	252	Resp:	1169
Ion Ratio	Lower	Upper	
252	100		
253	27.0	17.4	26.0#
125	22.5	11.8	17.8#

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#24

Benzo(k)fluoranthene

Concen: 0.06 ng

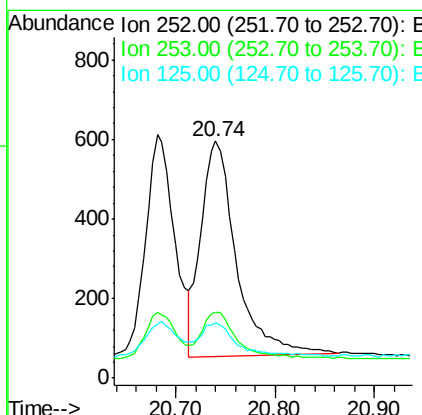
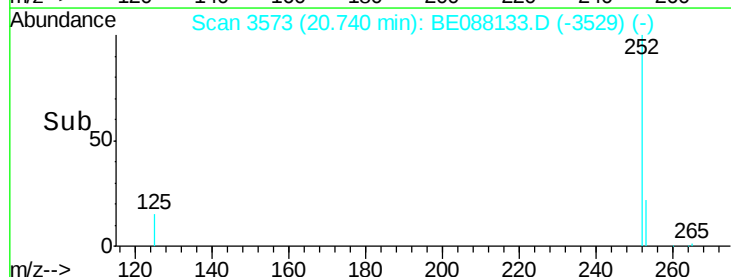
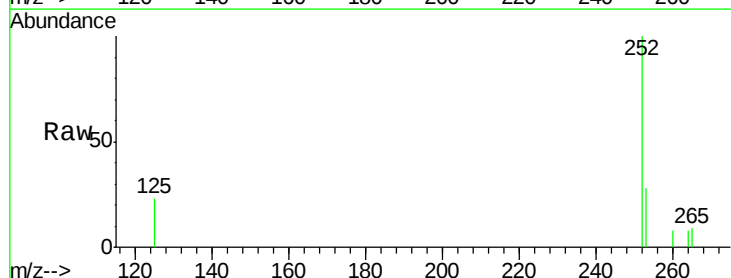
RT: 20.74 min Scan# 3573

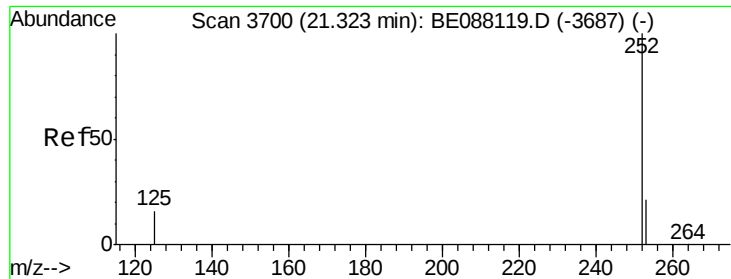
Delta R.T. -0.00 min

Lab File: BE088133.D

Acq: 21 Oct 2014 9:40

Tgt Ion:	252	Resp:	1329
Ion Ratio	Lower	Upper	
252	100		
253	28.0	17.6	26.4#
125	23.3	11.5	17.3#





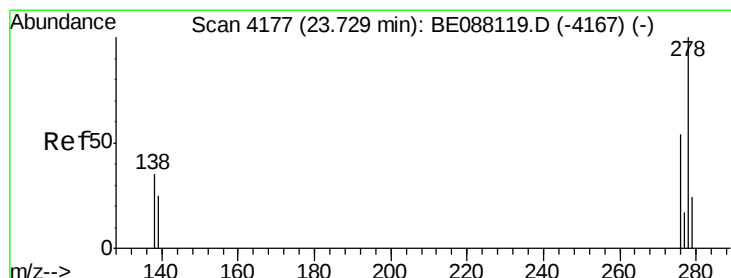
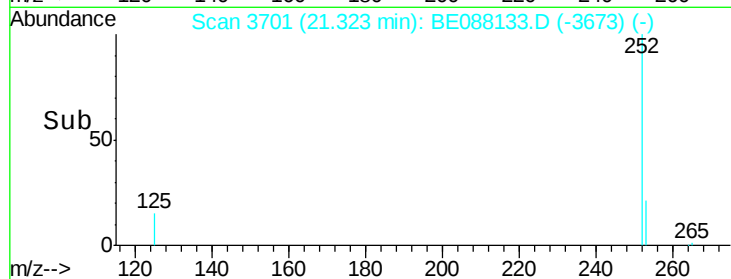
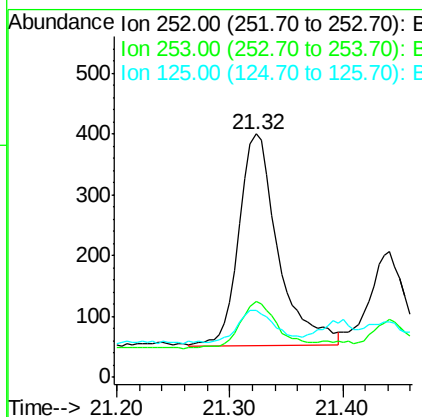
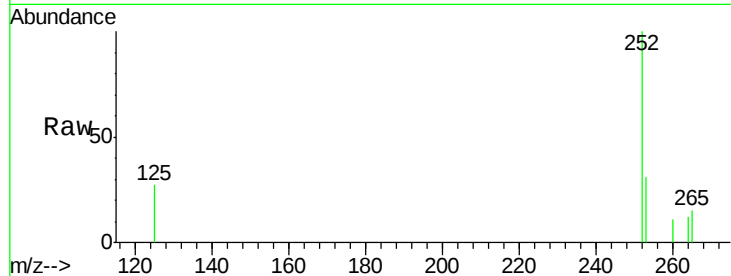
#25
Benzo(a)pyrene
Concen: 0.04 ng
RT: 21.32 min Scan# 3701
Delta R.T. -0.00 min
Lab File: BE088133.D
Acq: 21 Oct 2014 9:40

Instrument :
BNA_E
ClientSampleId :
YS19-EB01-101414-SO

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.0	17.5	26.3#
125	27.3	13.0	19.6#

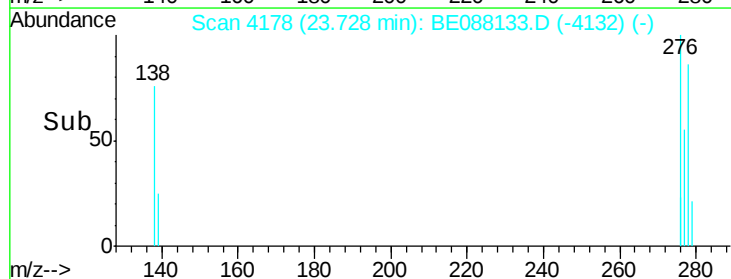
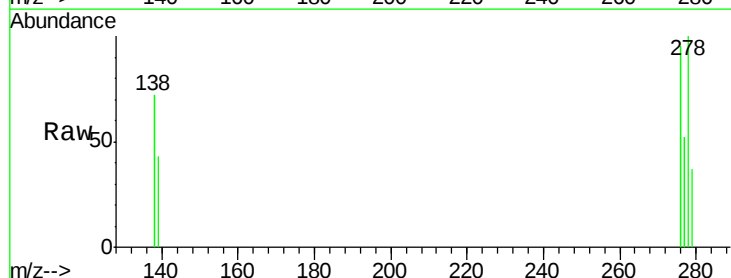
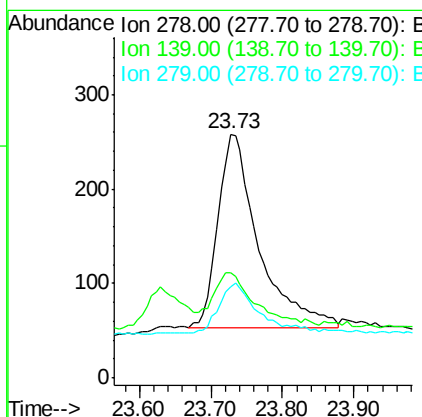
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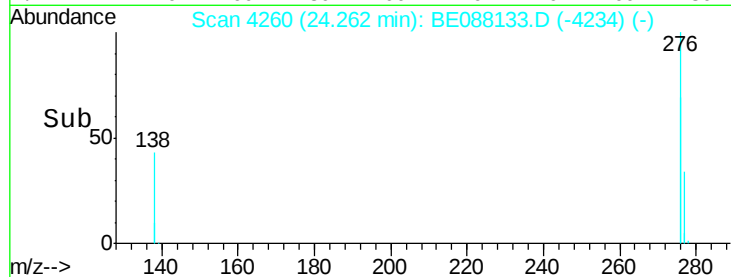
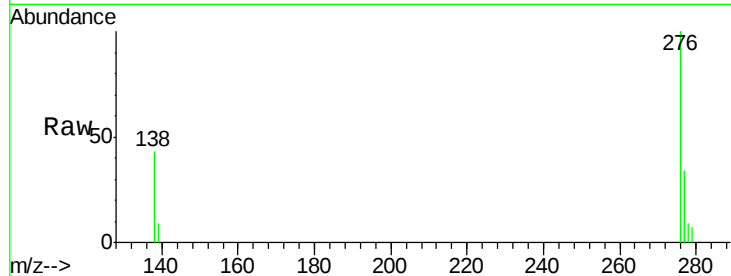
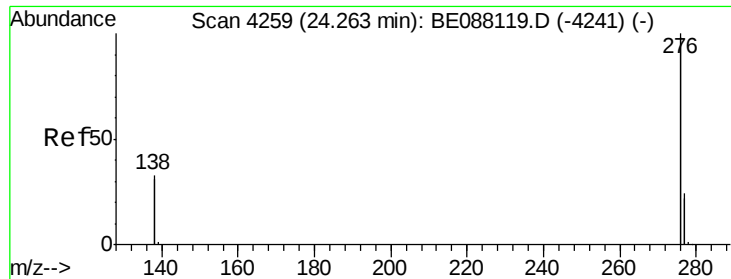
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#26
Dibenzo(a,h)anthracene
Concen: 0.04 ng
RT: 23.73 min Scan# 4178
Delta R.T. -0.00 min
Lab File: BE088133.D
Acq: 21 Oct 2014 9:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	43.4	20.9	31.3#
279	37.2	19.8	29.8#





#27

Benzo(g,h,i)perylene

Concen: 0.05 ng

RT: 24.26 min Scan# 4260

Delta R.T. -0.00 min

Lab File: BE088133.D

Acq: 21 Oct 2014 9:40

Instrument :

BNA_E

ClientSampleId :

YS19-EB01-101414-SO

Tgt Ion: 276 Resp: 4194

Ion Ratio Lower Upper

276 100

277 34.0 19.2 28.8#

138 42.9 26.6 40.0#

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