

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
 Data File : BE088177.D
 Acq On : 22 Oct 2014 11:57
 Operator : TP/JJ
 Sample : F4303-12DL 10X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB03-1014DL

Manual Integrations
 APPROVED

mohammad
 10/22/2014 1:57:05 PM

Quant Time: Oct 22 12:57:04 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	23554	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	96550	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	49756	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	90655	5.00	ng	0.00
16) Chrysene-d12	18.39	240	48343	5.00	ng	0.00
22) Perylene-d12	21.45	264	47257	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.83	82	59189	8.50	ng	0.00
8) 2-Fluorobiphenyl	10.04	172	99796	7.26	ng	0.00
18) Terphenyl-d14	16.15	244	69815	8.97	ng	0.00
Target Compounds						Qvalue
5) Naphthalene	8.72	128	2525	0.13	ng	97
6) 2-Methylnaphthalene	9.58	142	844	0.07	ng	# 93
9) Acenaphthylene	10.67	152	3392	0.04	ng	# 76
10) Acenaphthene	10.88	154	3799	0.32	ng	97
11) Fluorene	11.55	166	4294	0.35	ng	99
13) Phenanthrene	13.01	178	262011	3.87	ng	95
14) Anthracene	13.09	178	64967m	0.92	ng	
15) Fluoranthene	15.25	202	83373	4.83	ng	100
17) Pyrene	15.71	202	68425m	5.21	ng	
19) Benzo(a)anthracene	18.36	228	111218	2.59	ng	99
20) Chrysene	18.44	228	114959	2.73	ng	98
21) Indeno(1,2,3-cd)pyrene	23.64	276	69183	1.48	ng	# 88
23) Benzo(b)fluoranthene	20.69	252	33224	2.95	ng	98
24) Benzo(k)fluoranthene	20.74	252	13442	1.12	ng	97
25) Benzo(a)pyrene	21.33	252	23838	2.30	ng	97
26) Dibenzo(a,h)anthracene	23.73	278	3368	0.33	ng	# 90
27) Benzo(g,h,i)perylene	24.27	276	69830	1.55	ng	99

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

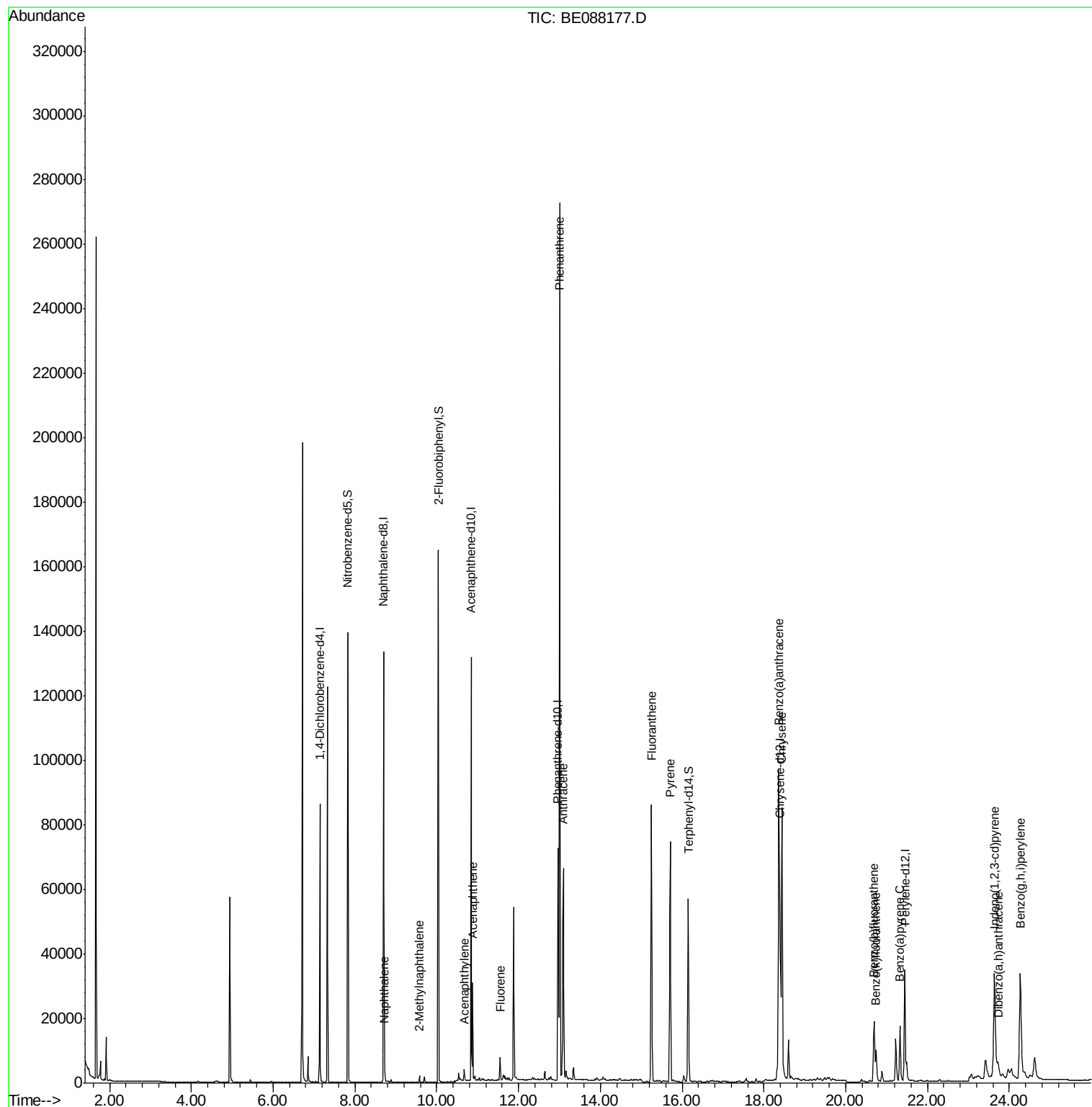
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
Data File : BE088177.D
Acq On : 22 Oct 2014 11:57
Operator : TP/JJ
Sample : F4303-12DL 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

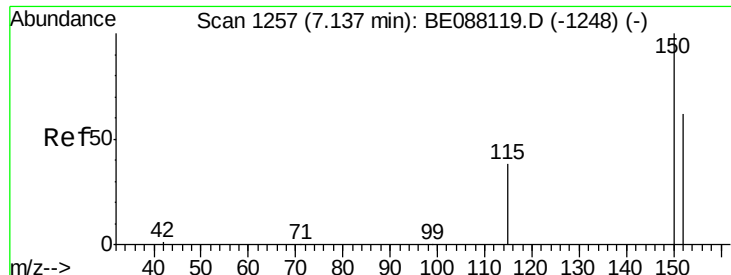
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
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QLast Update : Tue Oct 21 02:11:14 2014
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088177.D

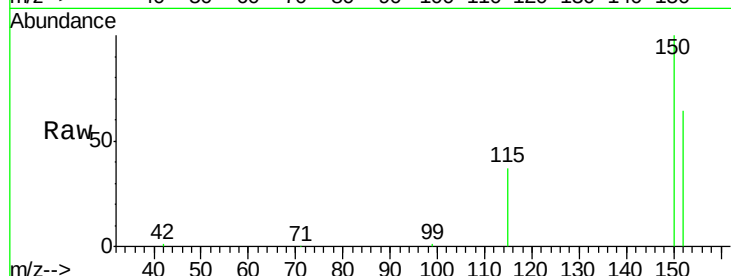
Acq: 22 Oct 2014 11:57

Instrument :

BNA_E

ClientSampleId :

YS19-SB03-1014DL



Tgt Ion:152 Resp: 23554

Ion Ratio Lower Upper

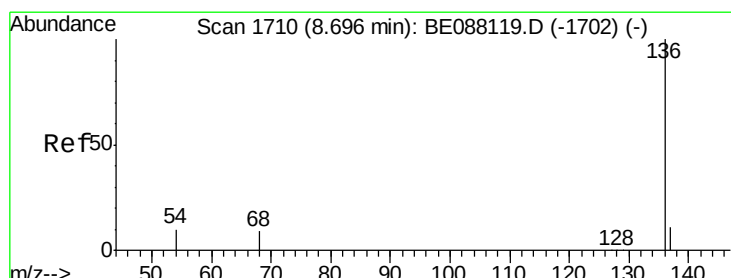
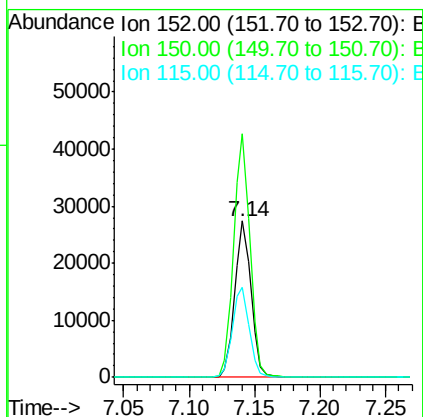
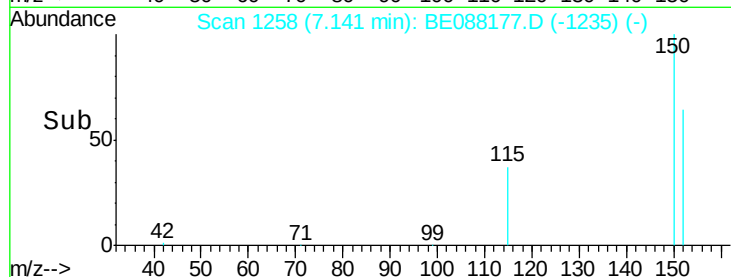
152 100

150 155.6 129.2 193.8

115 57.7 49.3 73.9

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#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.70 min Scan# 1712

Delta R.T. 0.01 min

Lab File: BE088177.D

Acq: 22 Oct 2014 11:57

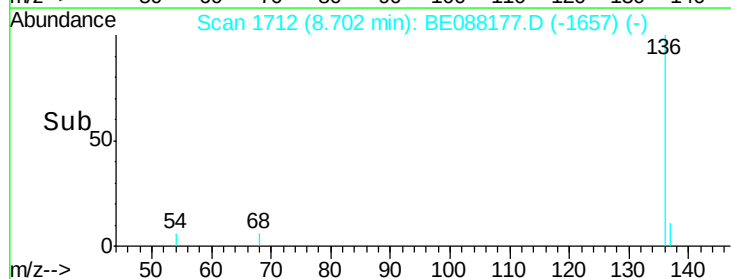
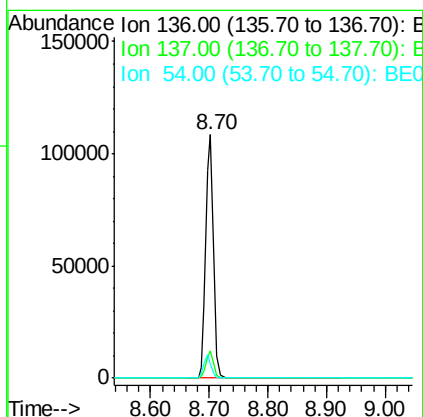
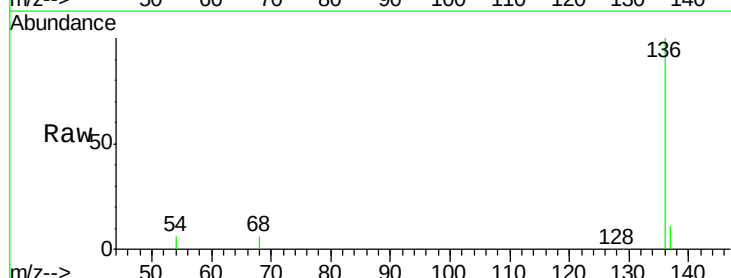
Tgt Ion:136 Resp: 96550

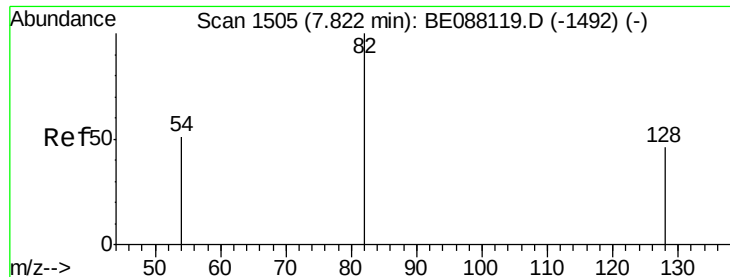
Ion Ratio Lower Upper

136 100

137 11.3 8.6 12.8

54 6.0 7.7 11.5#





#4

Nitrobenzene-d5

Concen: 8.50 ng

RT: 7.83 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BE088177.D

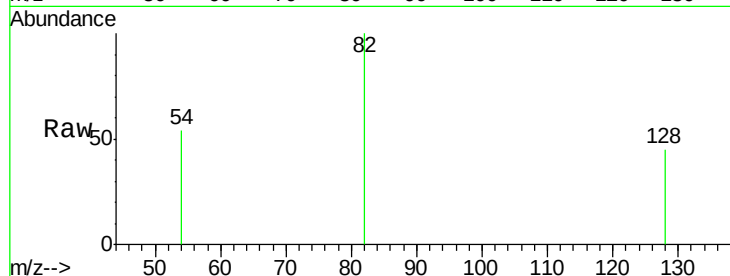
Acq: 22 Oct 2014 11:57

Instrument :

BNA_E

ClientSampleId :

YS19-SB03-1014DL



Tgt Ion: 82 Resp: 59189

Ion Ratio Lower Upper

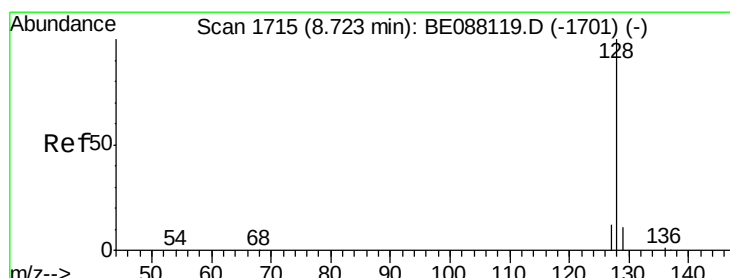
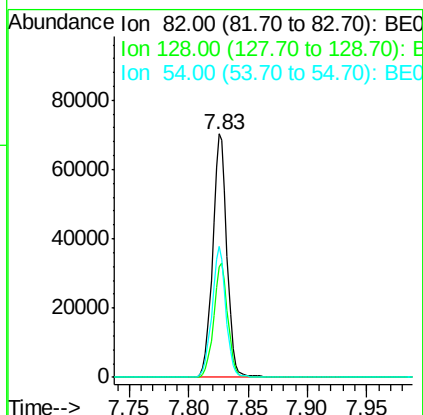
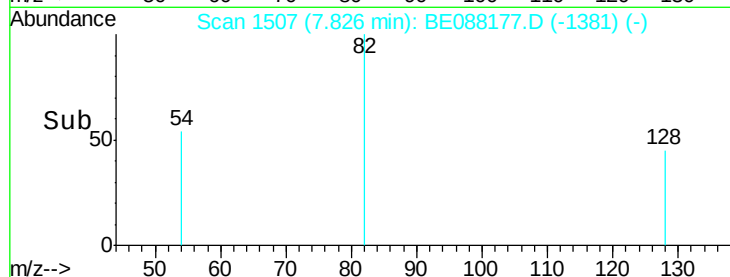
82 100

128 45.2 37.1 55.7

54 53.8 41.1 61.7

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#5

Naphthalene

Concen: 0.13 ng

RT: 8.72 min Scan# 1716

Delta R.T. 0.00 min

Lab File: BE088177.D

Acq: 22 Oct 2014 11:57

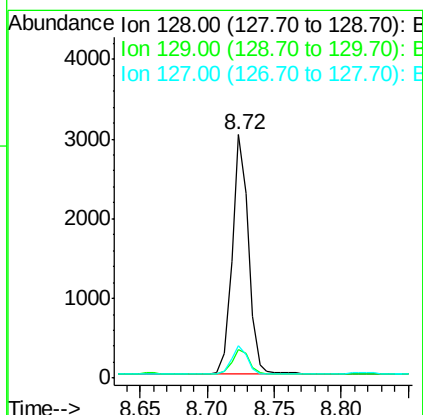
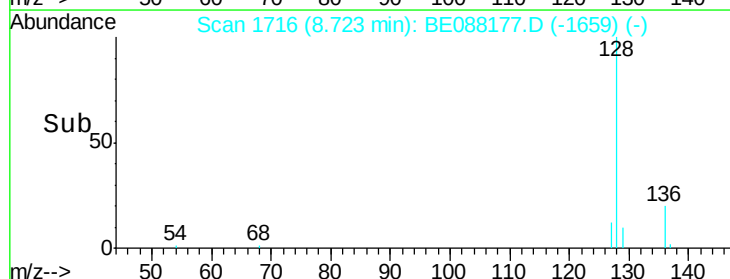
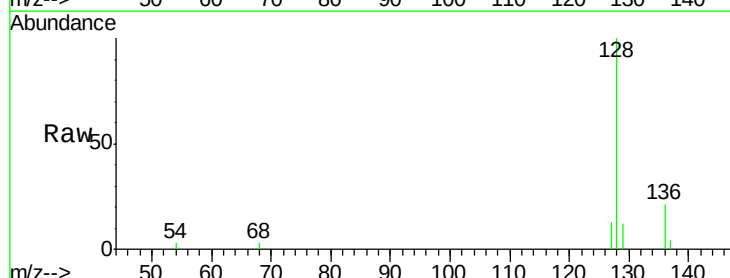
Tgt Ion: 128 Resp: 2525

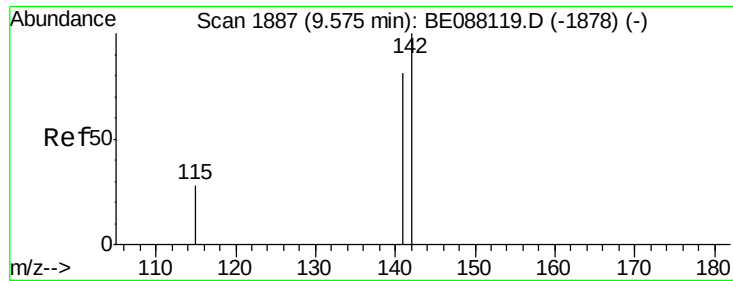
Ion Ratio Lower Upper

128 100

129 11.9 8.9 13.3

127 13.3 9.7 14.5





#6

2-Methylnaphthalene

Concen: 0.07 ng

RT: 9.58 min Scan# 1888

Delta R.T. 0.00 min

Lab File: BE088177.D

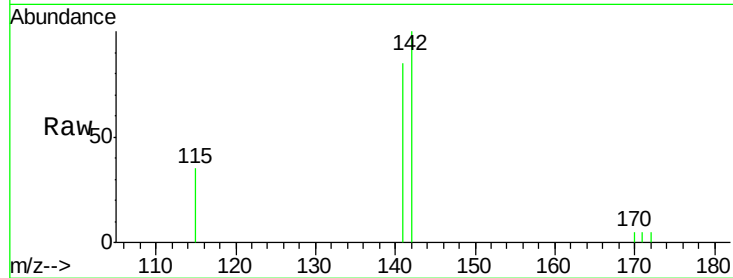
Acq: 22 Oct 2014 11:57

Instrument :

BNA_E

ClientSampleId :

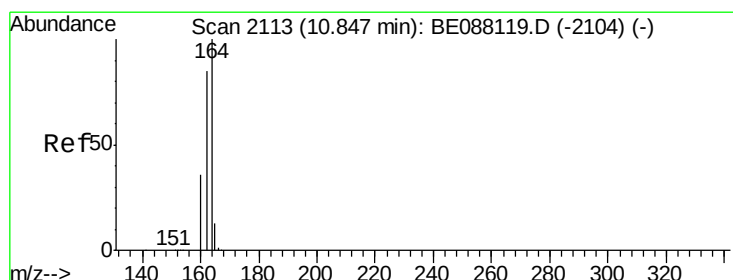
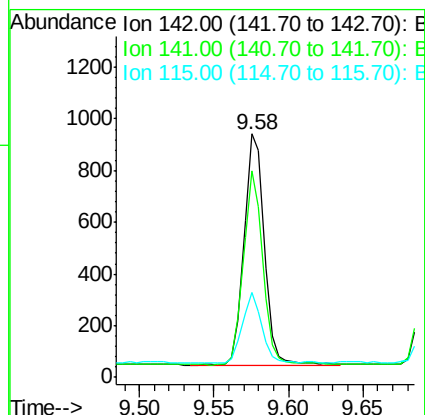
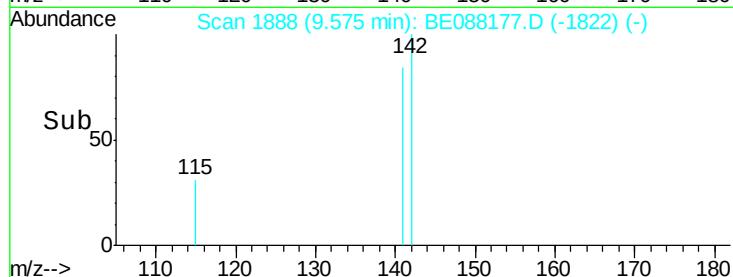
YS19-SB03-1014DL



Tgt Ion:	142	Resp:	844
Ion Ratio	Lower	Upper	
142	100		
141	84.6	64.6	97.0
115	35.1	22.6	34.0

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#7

Acenaphthene-d10

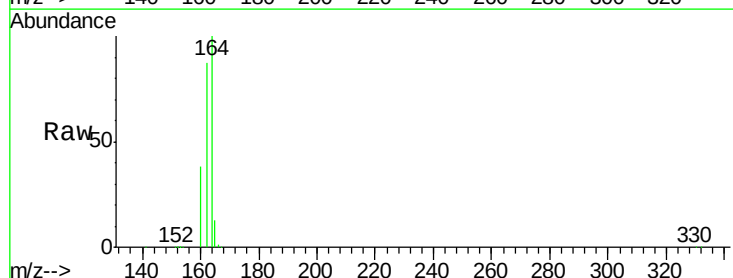
Concen: 5.00 ng

RT: 10.85 min Scan# 2114

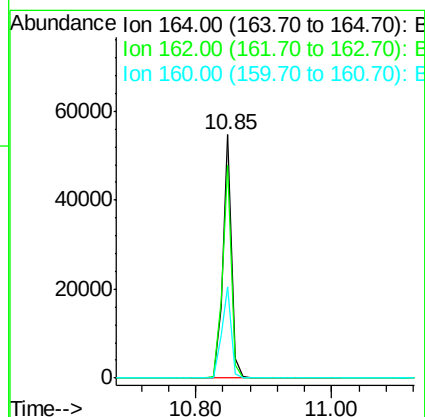
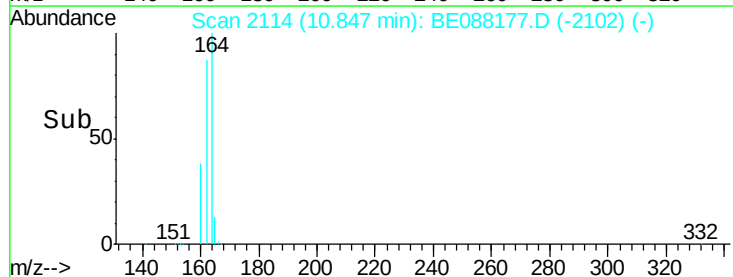
Delta R.T. 0.00 min

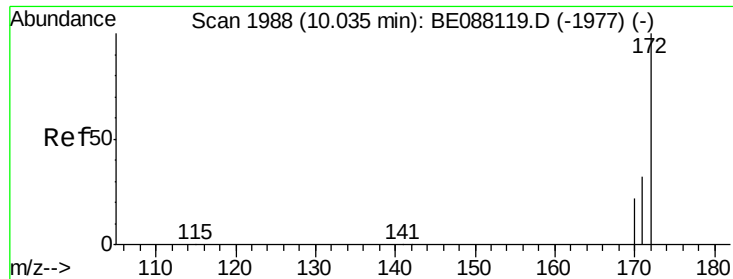
Lab File: BE088177.D

Acq: 22 Oct 2014 11:57



Tgt Ion:	164	Resp:	49756
Ion Ratio	Lower	Upper	
164	100		
162	87.5	68.3	102.5
160	37.6	28.7	43.1





#8

2-Fluorobiphenyl

Concen: 7.26 ng

RT: 10.04 min Scan# 1990

Delta R.T. 0.00 min

Lab File: BE088177.D

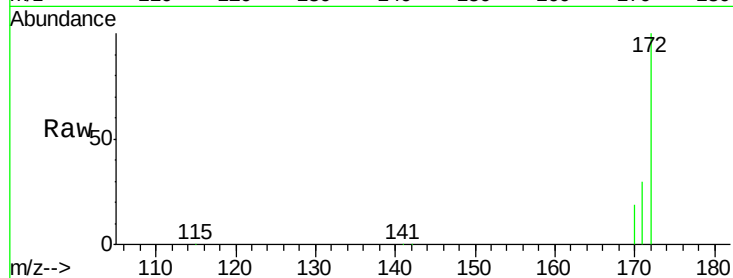
Acq: 22 Oct 2014 11:57

Instrument :

BNA_E

ClientSampleId :

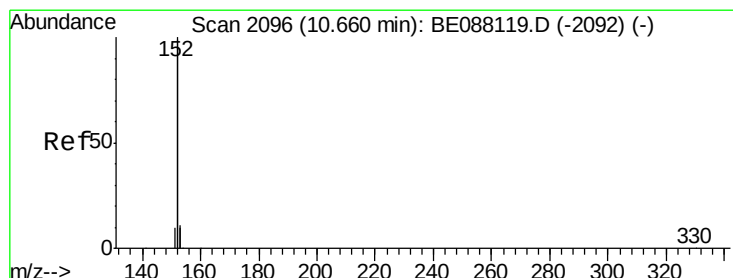
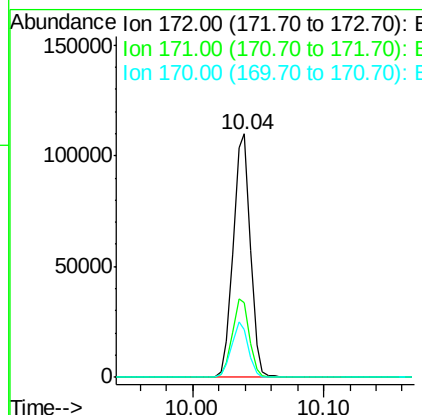
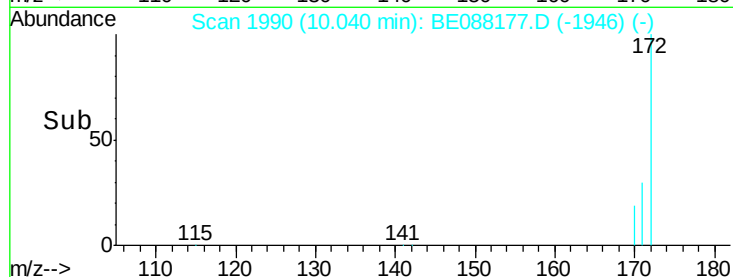
YS19-SB03-1014DL



Tgt Ion:	172	Resp:	99796
Ion Ratio	Lower	Upper	
172	100		
171	30.4	25.4	38.2
170	19.5	17.4	26.2

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#9

Acenaphthylene

Concen: 0.04 ng

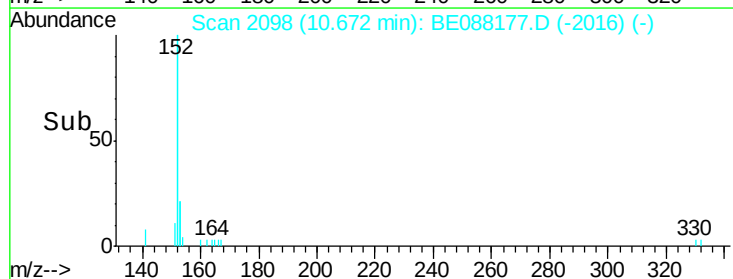
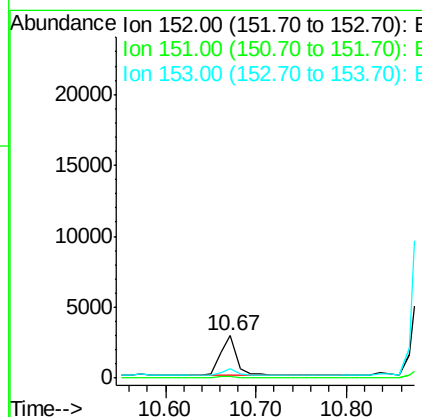
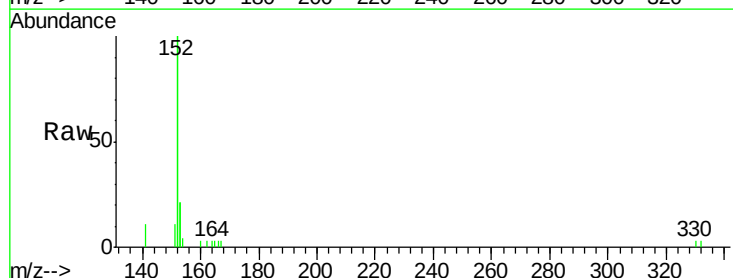
RT: 10.67 min Scan# 2098

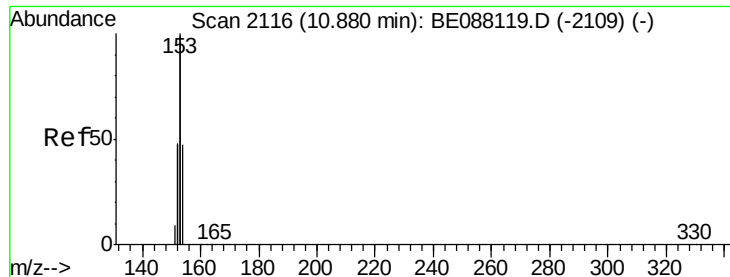
Delta R.T. 0.01 min

Lab File: BE088177.D

Acq: 22 Oct 2014 11:57

Tgt Ion:	152	Resp:	3392
Ion Ratio	Lower	Upper	
152	100		
151	4.8	3.7	5.5
153	0.0	10.4	15.6#





#10

Acenaphthene

Concen: 0.32 ng

RT: 10.88 min Scan# 2117

Delta R.T. 0.00 min

Lab File: BE088177.D

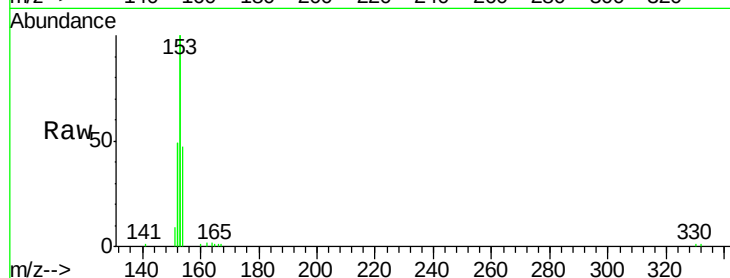
Acq: 22 Oct 2014 11:57

Instrument :

BNA_E

ClientSampleId :

YS19-SB03-1014DL



Tgt Ion:154 Resp: 3799

Ion Ratio Lower Upper

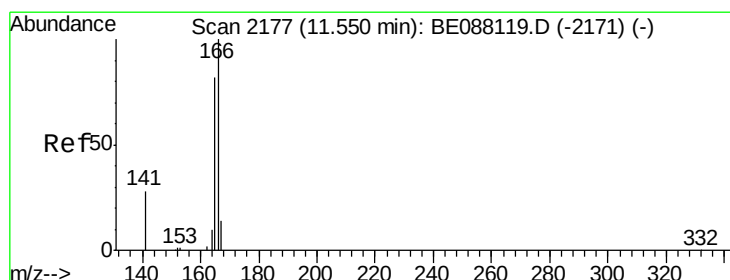
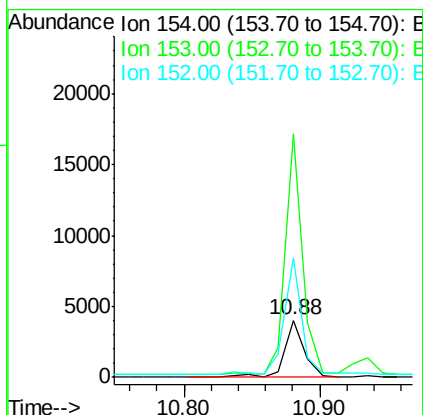
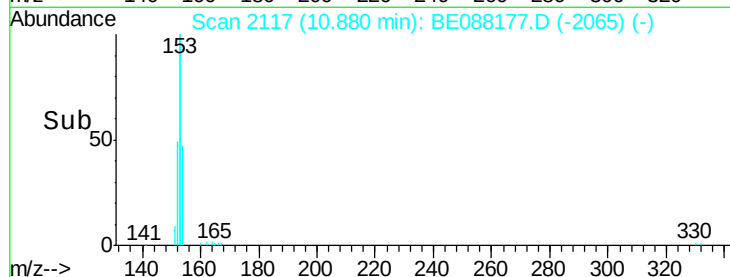
154 100

153 398.5 327.8 491.6

152 197.9 157.6 236.4

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#11

Fluorene

Concen: 0.35 ng

RT: 11.55 min Scan# 2178

Delta R.T. 0.00 min

Lab File: BE088177.D

Acq: 22 Oct 2014 11:57

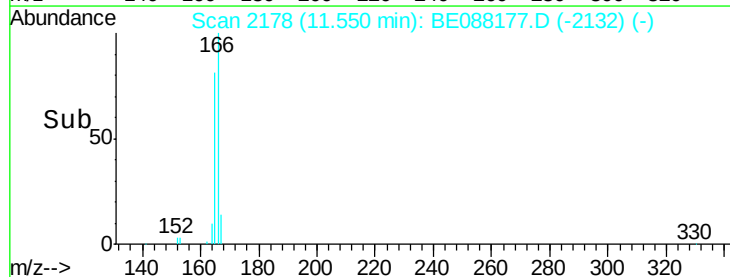
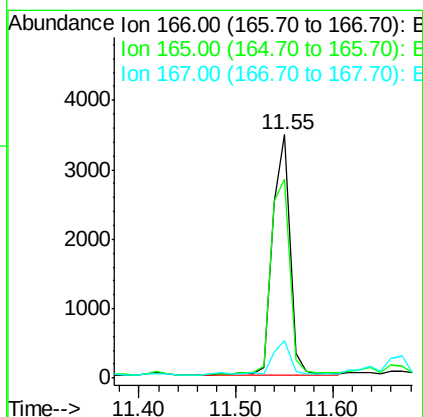
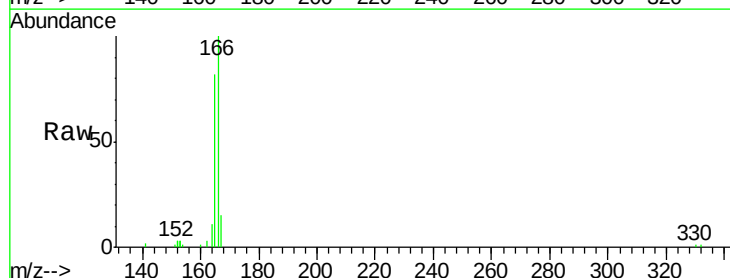
Tgt Ion:166 Resp: 4294

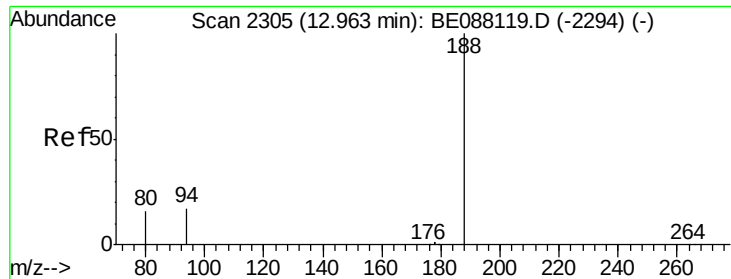
Ion Ratio Lower Upper

166 100

165 90.4 71.4 107.2

167 14.3 10.6 16.0





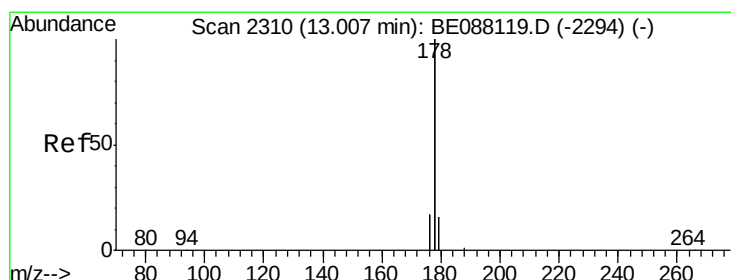
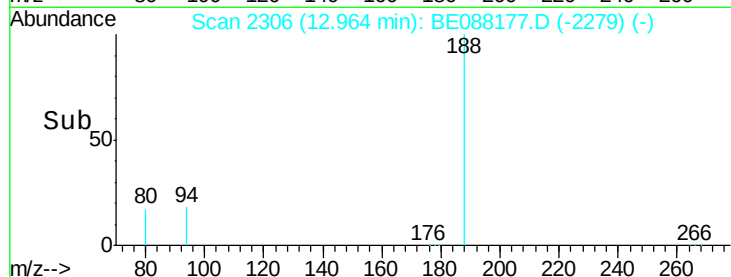
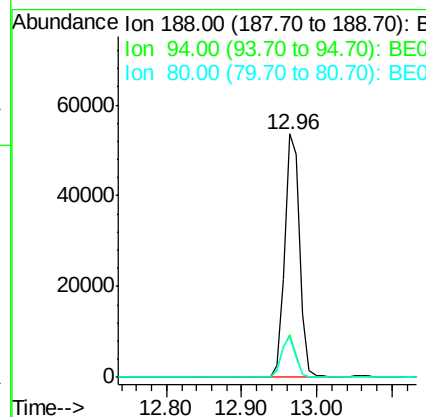
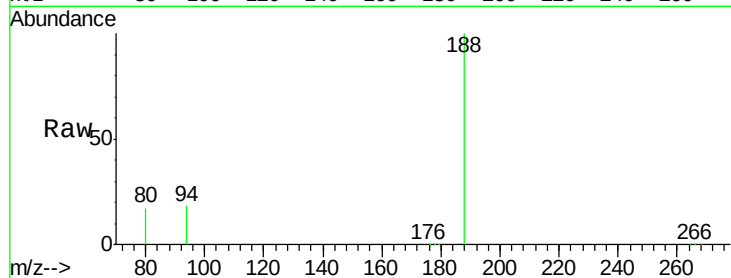
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.96 min Scan# 2306
Delta R.T. 0.00 min
Lab File: BE088177.D
Acq: 22 Oct 2014 11:57

Instrument :
BNA_E
ClientSampleId :
YS19-SB03-1014DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	17.5	13.9	20.9
80	16.6	12.9	19.3

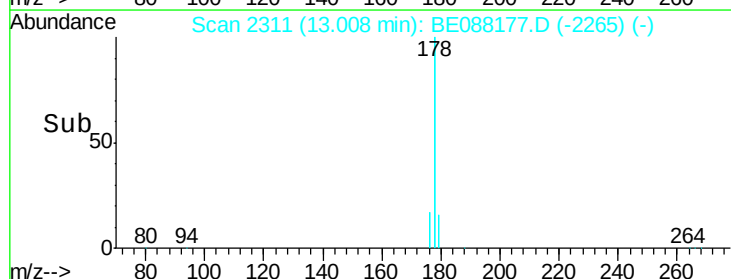
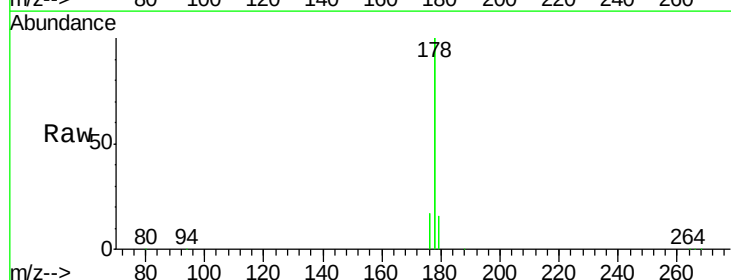
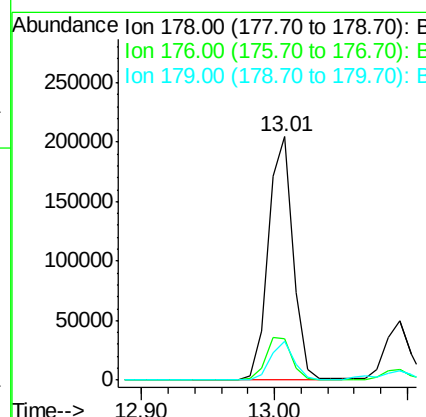
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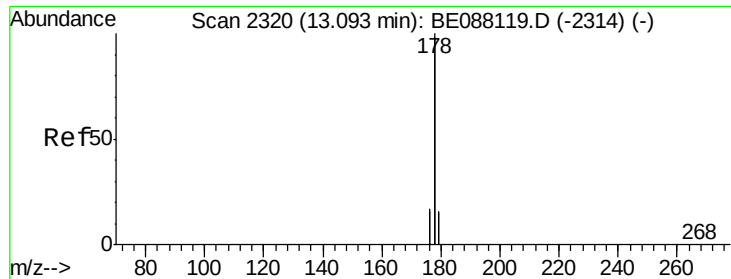
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#13
Phenanthrene
Concen: 3.87 ng
RT: 13.01 min Scan# 2311
Delta R.T. 0.00 min
Lab File: BE088177.D
Acq: 22 Oct 2014 11:57

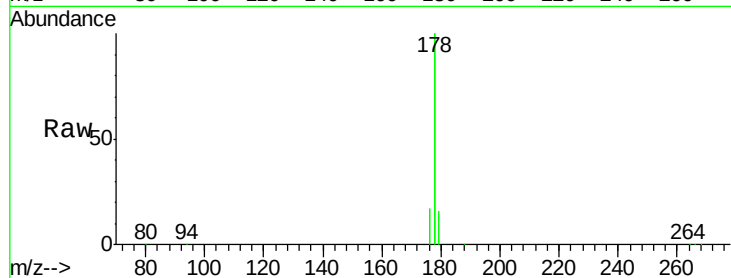
Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.5	12.5	18.7
179	15.3	13.5	20.3





#14
 Anthracene
 Concen: 0.92 ng m
 RT: 13.09 min Scan# 2321
 Delta R.T. 0.00 min
 Lab File: BE088177.D
 Acq: 22 Oct 2014 11:57

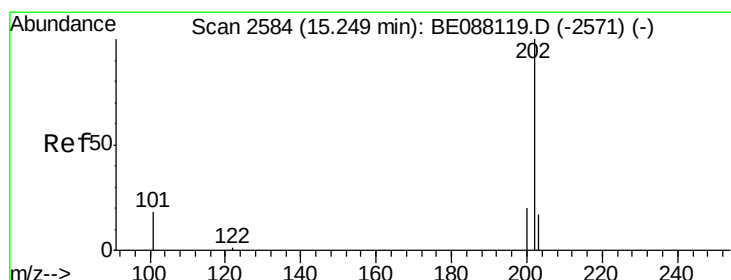
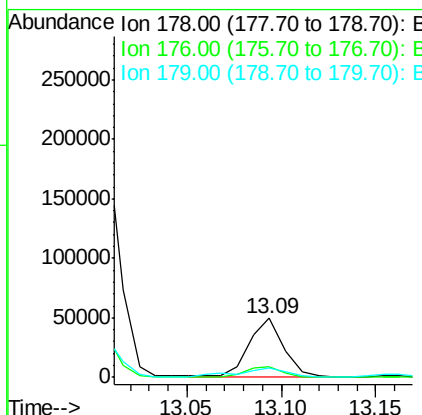
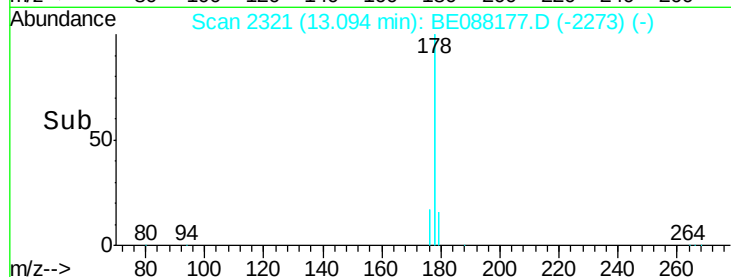
Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB03-1014DL



Tgt Ion:178 Resp: 64967
 Ion Ratio Lower Upper
 178 100
 176 74.5 14.6 21.8#
 179 61.5 12.5 18.7#

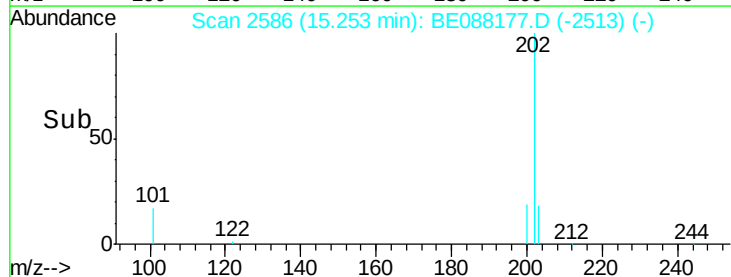
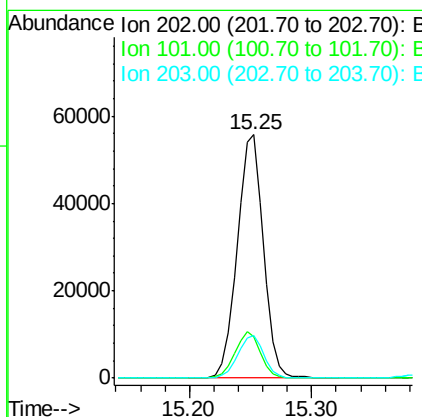
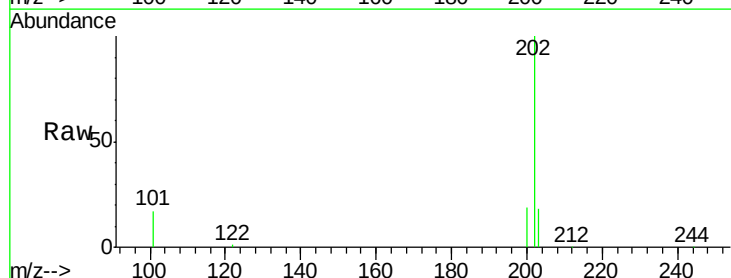
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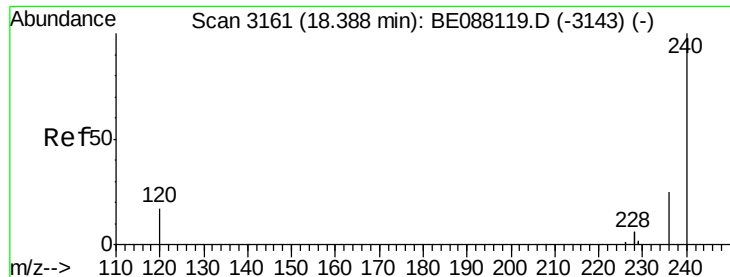
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#15
 Fluoranthene
 Concen: 4.83 ng
 RT: 15.25 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: BE088177.D
 Acq: 22 Oct 2014 11:57

Tgt Ion:202 Resp: 83373
 Ion Ratio Lower Upper
 202 100
 101 18.4 14.8 22.2
 203 17.2 13.5 20.3





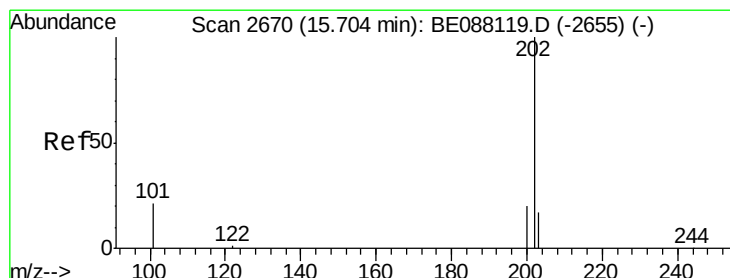
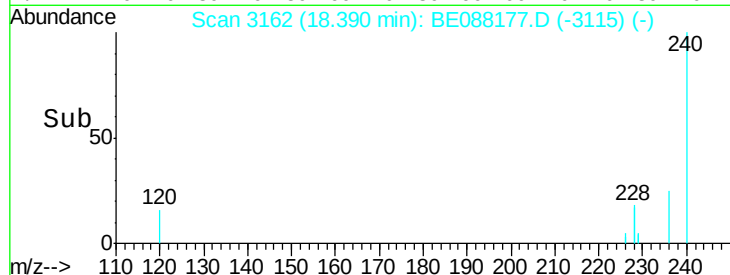
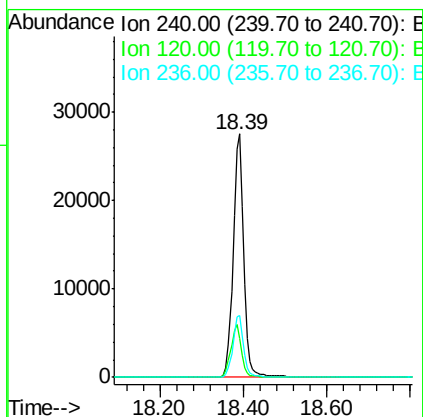
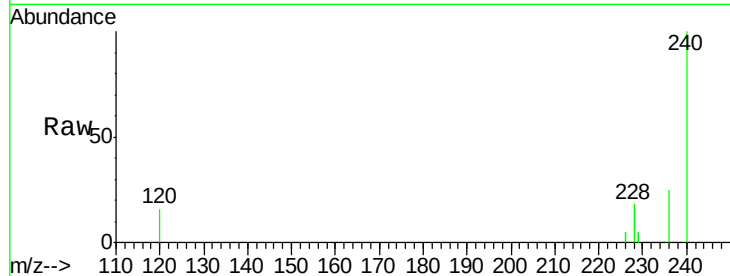
#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.39 min Scan# 3162
Delta R.T. 0.00 min
Lab File: BE088177.D
Acq: 22 Oct 2014 11:57

Instrument :
BNA_E
ClientSampleId :
YS19-SB03-1014DL

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.9	13.9	20.9
236	25.1	19.9	29.9

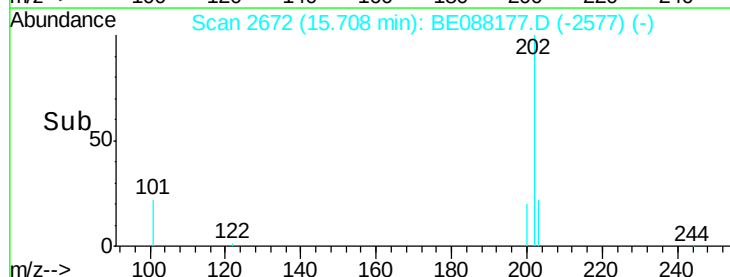
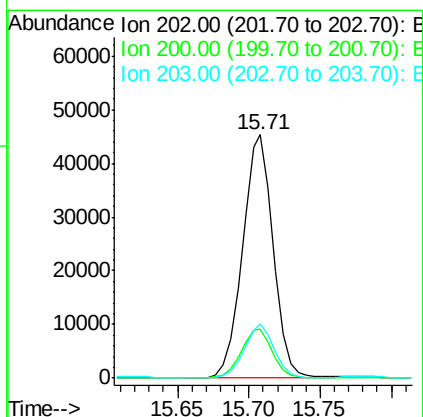
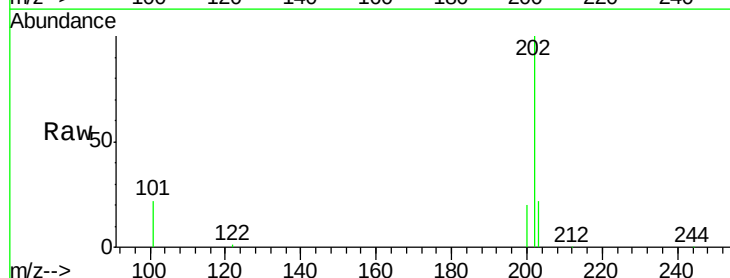
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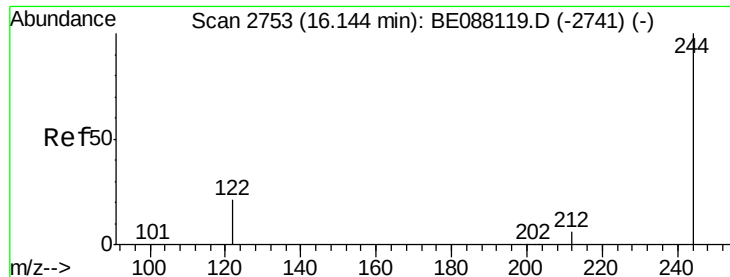
mohammad
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#17
Pyrene
Concen: 5.21 ng m
RT: 15.71 min Scan# 2672
Delta R.T. 0.00 min
Lab File: BE088177.D
Acq: 22 Oct 2014 11:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	24.2	16.1	24.1#
203	20.8	13.9	20.9





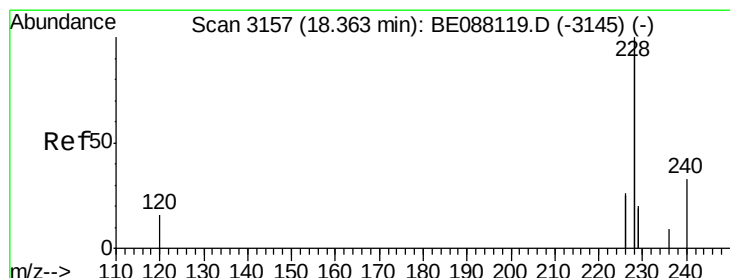
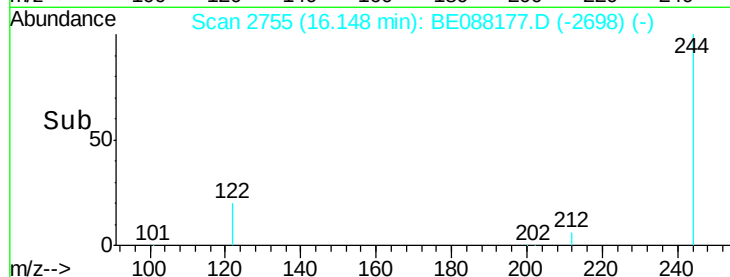
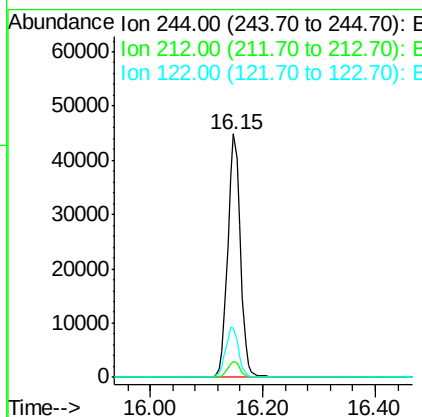
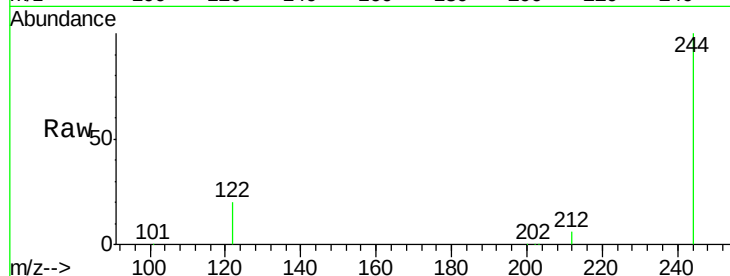
#18
 Terphenyl-d14
 Concen: 8.97 ng
 RT: 16.15 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BE088177.D
 Acq: 22 Oct 2014 11:57

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB03-1014DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.4	5.4	8.0
122	20.1	17.5	26.3

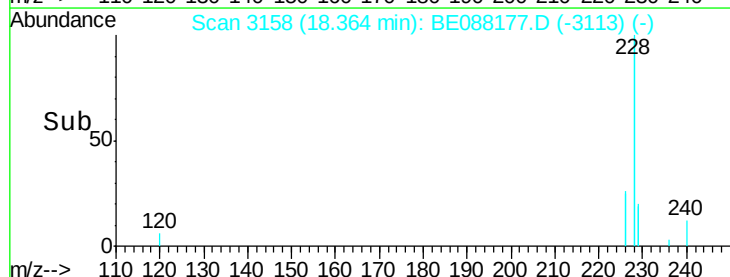
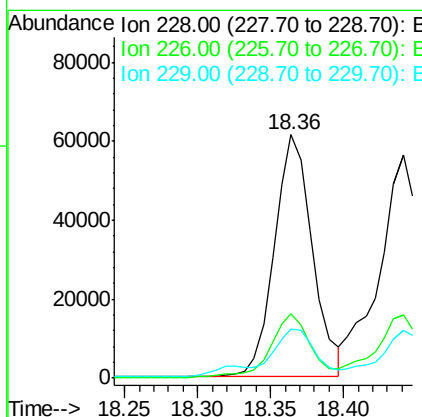
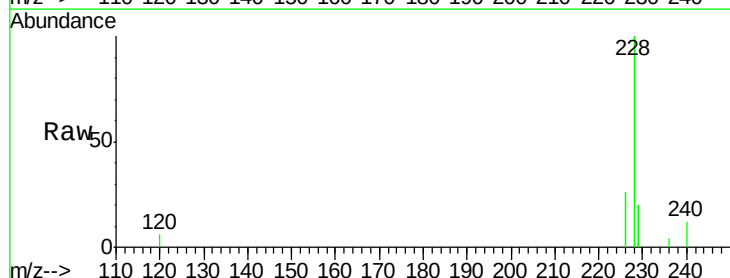
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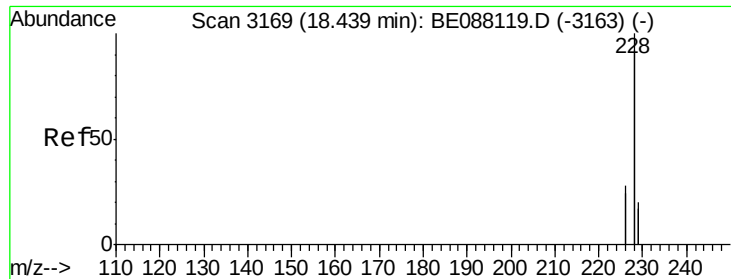
mohammad
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#19
 Benzo(a)anthracene
 Concen: 2.59 ng
 RT: 18.36 min Scan# 3158
 Delta R.T. 0.00 min
 Lab File: BE088177.D
 Acq: 22 Oct 2014 11:57

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	26.4	20.8	31.2
229	20.2	15.6	23.4





#20

Chrysene

Concen: 2.73 ng

RT: 18.44 min Scan# 3170

Delta R.T. 0.00 min

Lab File: BE088177.D

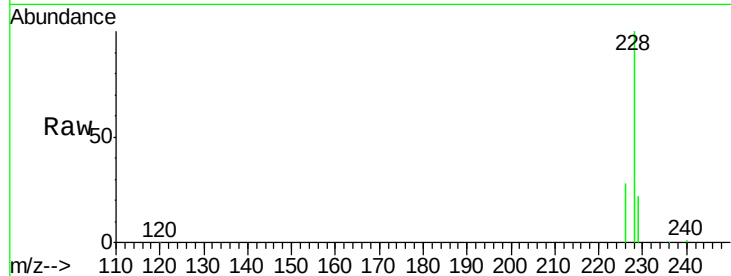
Acq: 22 Oct 2014 11:57

Instrument :

BNA_E

ClientSampleId :

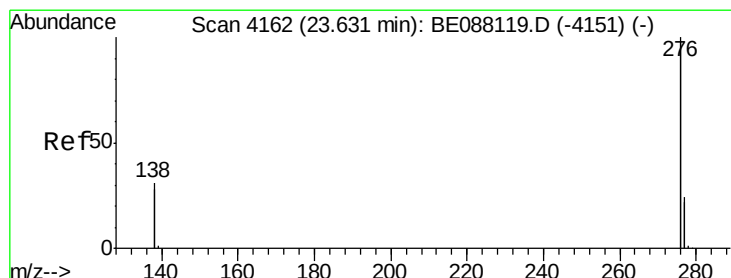
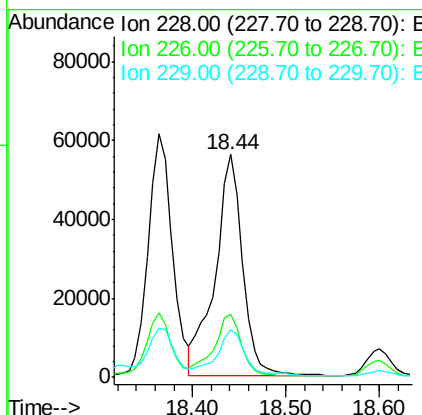
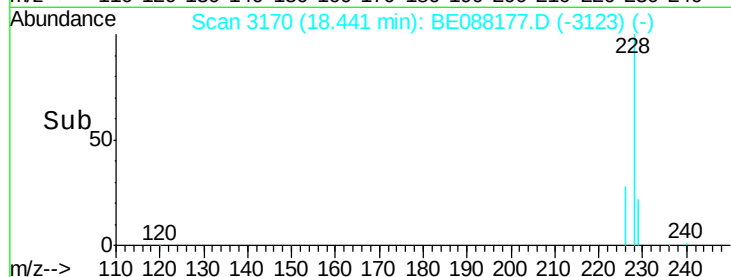
YS19-SB03-1014DL



Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.7	34.1
229	21.6	15.8	23.6

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#21

Indeno(1,2,3-cd)pyrene

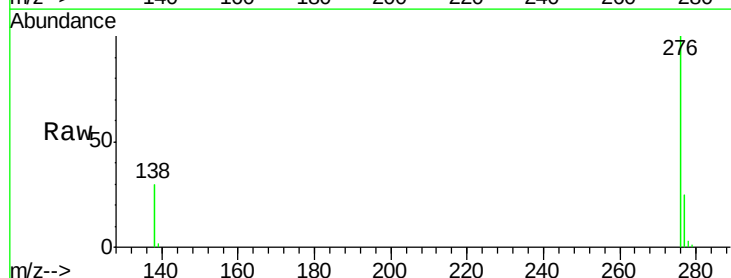
Concen: 1.48 ng

RT: 23.64 min Scan# 4164

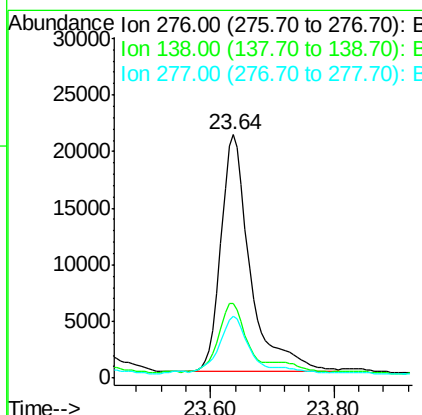
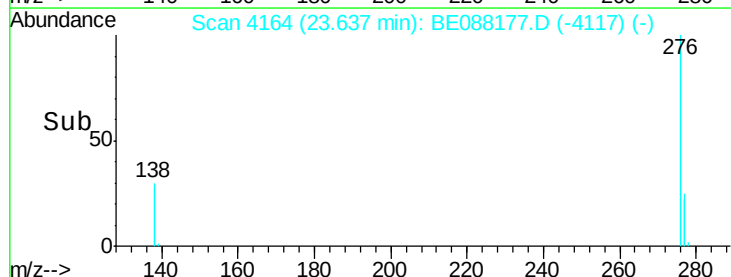
Delta R.T. 0.01 min

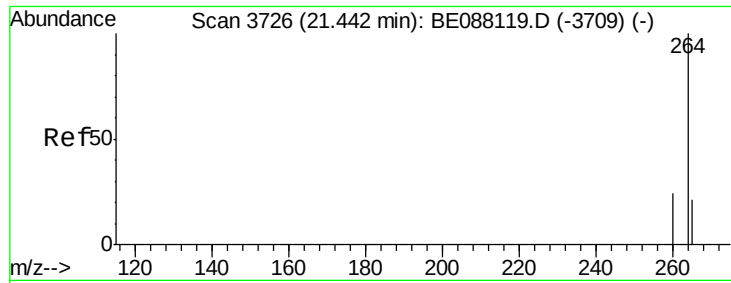
Lab File: BE088177.D

Acq: 22 Oct 2014 11:57



Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.0	18.5	27.7
277	25.5	14.6	21.8#





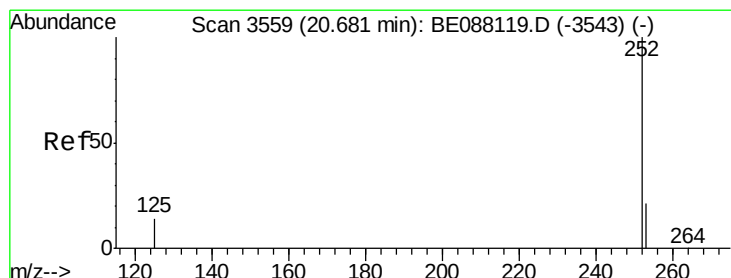
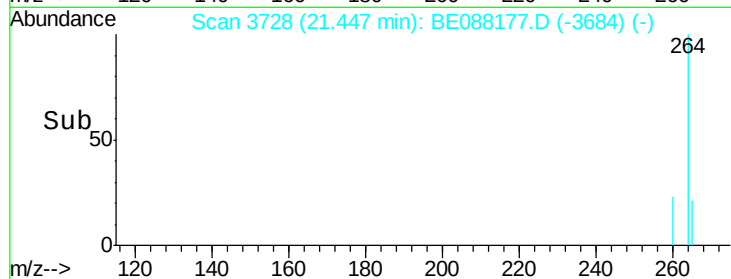
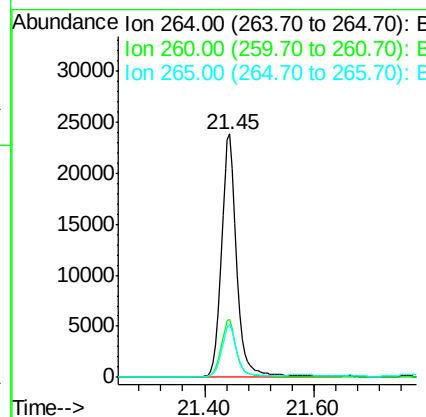
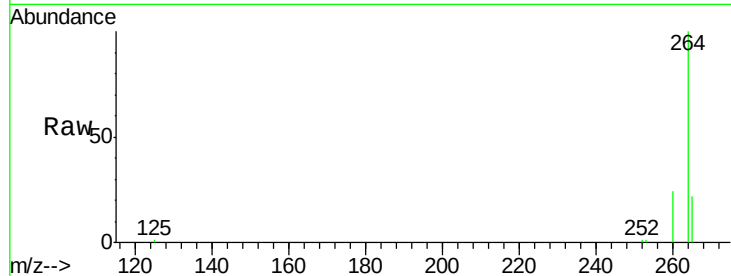
#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.45 min Scan# 3728
 Delta R.T. 0.00 min
 Lab File: BE088177.D
 Acq: 22 Oct 2014 11:57

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB03-1014DL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.4
265	21.7	17.2	25.8

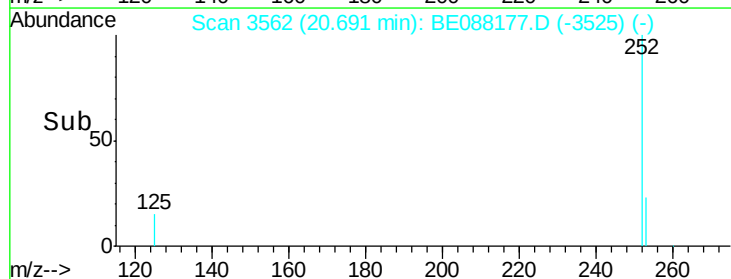
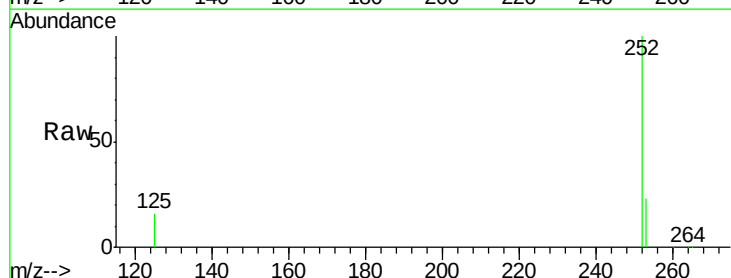
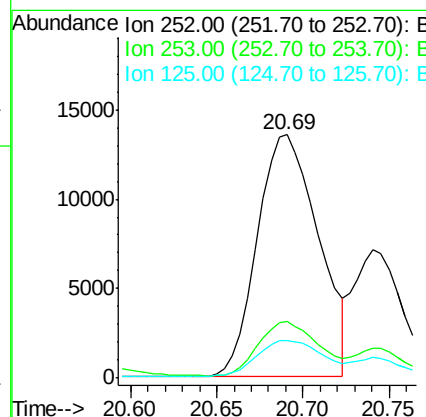
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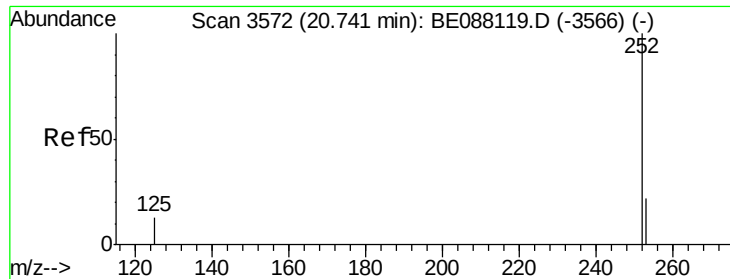
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#23
 Benzo(b)fluoranthene
 Concen: 2.95 ng
 RT: 20.69 min Scan# 3562
 Delta R.T. 0.01 min
 Lab File: BE088177.D
 Acq: 22 Oct 2014 11:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	15.5	11.8	17.8





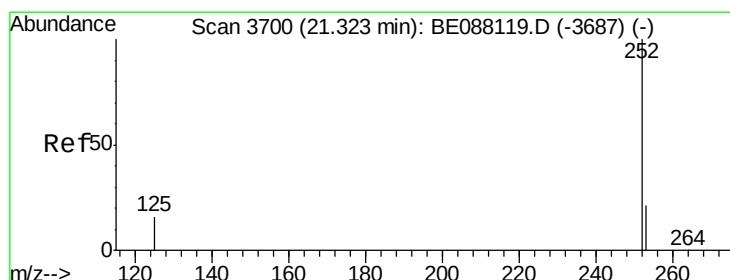
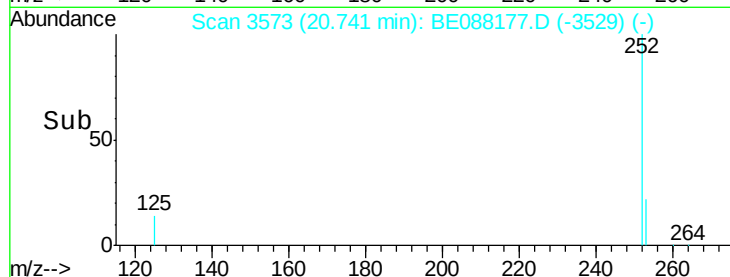
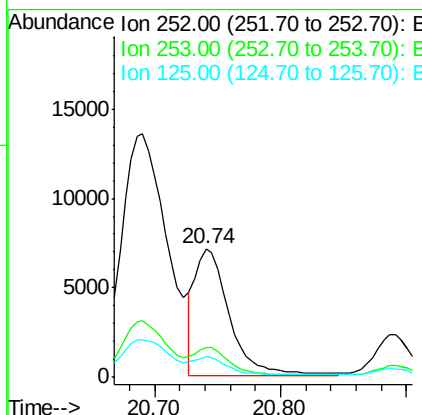
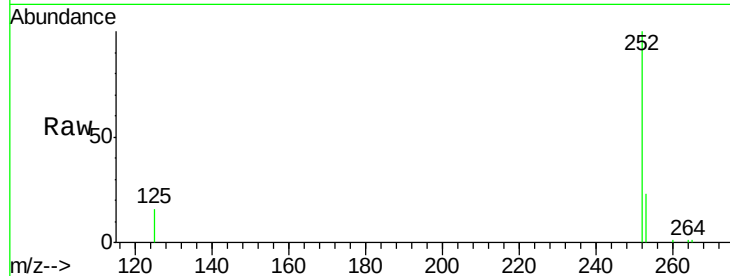
#24
Benzo(k)fluoranthene
Concen: 1.12 ng
RT: 20.74 min Scan# 3573
Delta R.T. 0.00 min
Lab File: BE088177.D
Acq: 22 Oct 2014 11:57

Instrument :
BNA_E
ClientSampleId :
YS19-SB03-1014DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.6	26.4
125	15.7	11.5	17.3

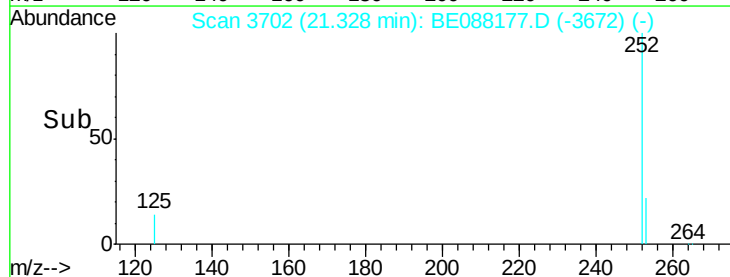
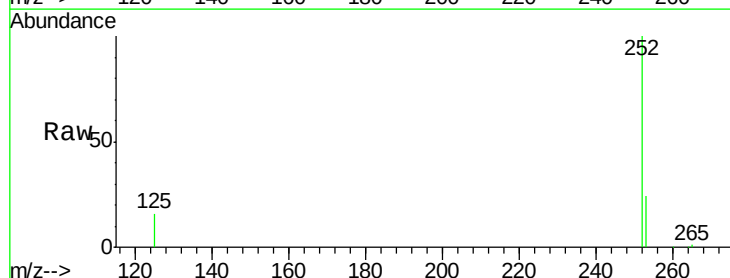
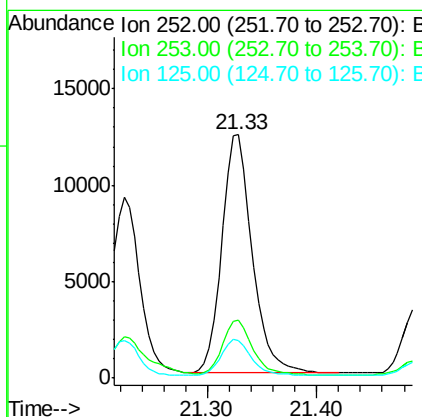
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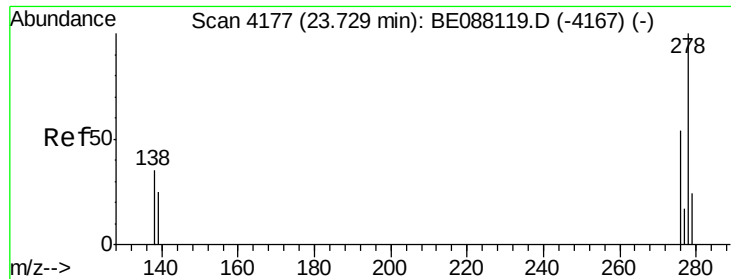
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#25
Benzo(a)pyrene
Concen: 2.30 ng
RT: 21.33 min Scan# 3702
Delta R.T. 0.00 min
Lab File: BE088177.D
Acq: 22 Oct 2014 11:57

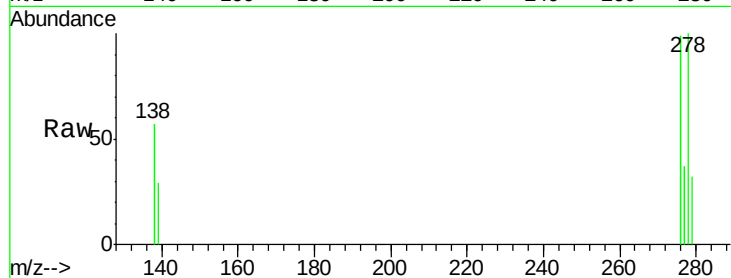
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	15.6	13.0	19.6





#26
Dibenzo(a,h)anthracene
Concen: 0.33 ng
RT: 23.73 min Scan# 4178
Delta R.T. -0.00 min
Lab File: BE088177.D
Acq: 22 Oct 2014 11:57

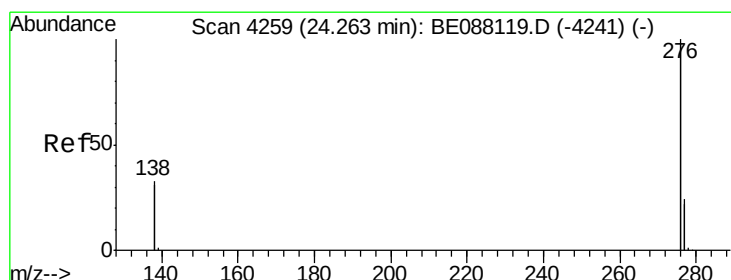
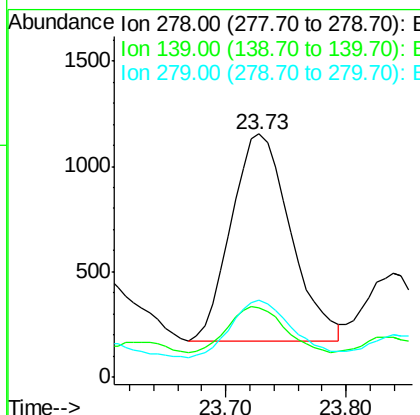
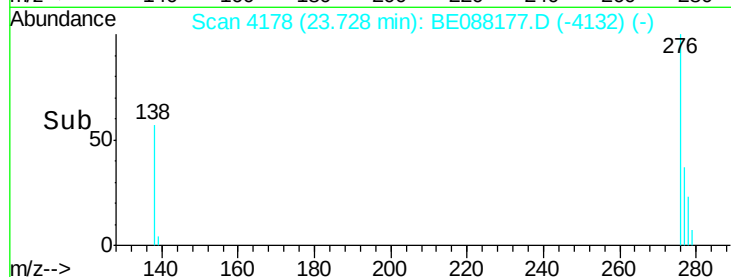
Instrument :
BNA_E
ClientSampleId :
YS19-SB03-1014DL



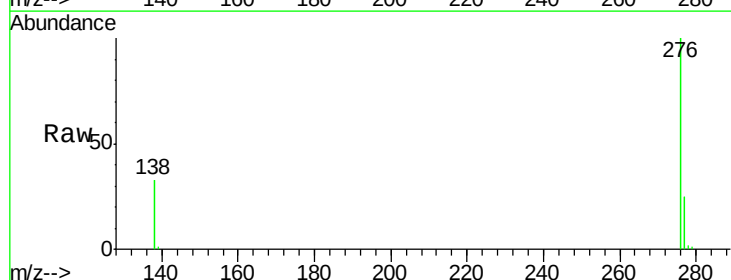
Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.8	20.9	31.3
279	31.8	19.8	29.8

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#27
Benzo(g,h,i)perylene
Concen: 1.55 ng
RT: 24.27 min Scan# 4261
Delta R.T. 0.01 min
Lab File: BE088177.D
Acq: 22 Oct 2014 11:57



Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.2	28.8
138	32.9	26.6	40.0

