

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
 Data File : BE088163.D
 Acq On : 22 Oct 2014 4:05
 Operator : TP/JJ
 Sample : F4303-01 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS01-1014

Manual Integrations
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 10/22/2014 1:55:38 PM

Quant Time: Oct 22 05:08:54 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	25695	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	100982	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	52659	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	81678	5.00	ng	0.00
16) Chrysene-d12	18.39	240	53671	5.00	ng	0.00
22) Perylene-d12	21.44	264	47229	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.83	82	44502	6.11	ng	0.00
8) 2-Fluorobiphenyl	10.04	172	76654	5.27	ng	0.00
18) Terphenyl-d14	16.15	244	53867	6.24	ng	0.00
Target Compounds						Qvalue
5) Naphthalene	8.72	128	8515	0.41	ng	99
6) 2-Methylnaphthalene	9.58	142	2020	0.16	ng	99
9) Acenaphthylene	10.67	152	33540	0.42	ng	99
10) Acenaphthene	10.88	154	6250	0.50	ng	95
11) Fluorene	11.55	166	9381	0.71	ng	97
13) Phenanthrene	13.01	178	625927	10.65	ng	# 94
14) Anthracene	13.09	178	160520m	2.52	ng	
15) Fluoranthene	15.25	202	206615	13.29	ng	99
17) Pyrene	15.71	202	176409	12.09	ng	97
19) Benzo(a)anthracene	18.36	228	276388	5.79	ng	99
20) Chrysene	18.44	228	268479	5.73	ng	98
21) Indeno(1,2,3-cd)pyrene	23.64	276	138909	2.67	ng	# 84
23) Benzo(b)fluoranthene	20.69	252	67458	6.00	ng	98
24) Benzo(k)fluoranthene	20.74	252	28552	2.37	ng	98
25) Benzo(a)pyrene	21.33	252	52903	5.11	ng	97
26) Dibenzo(a,h)anthracene	23.73	278	5825	0.57	ng	# 95
27) Benzo(g,h,i)perylene	24.27	276	140747	3.14	ng	99

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

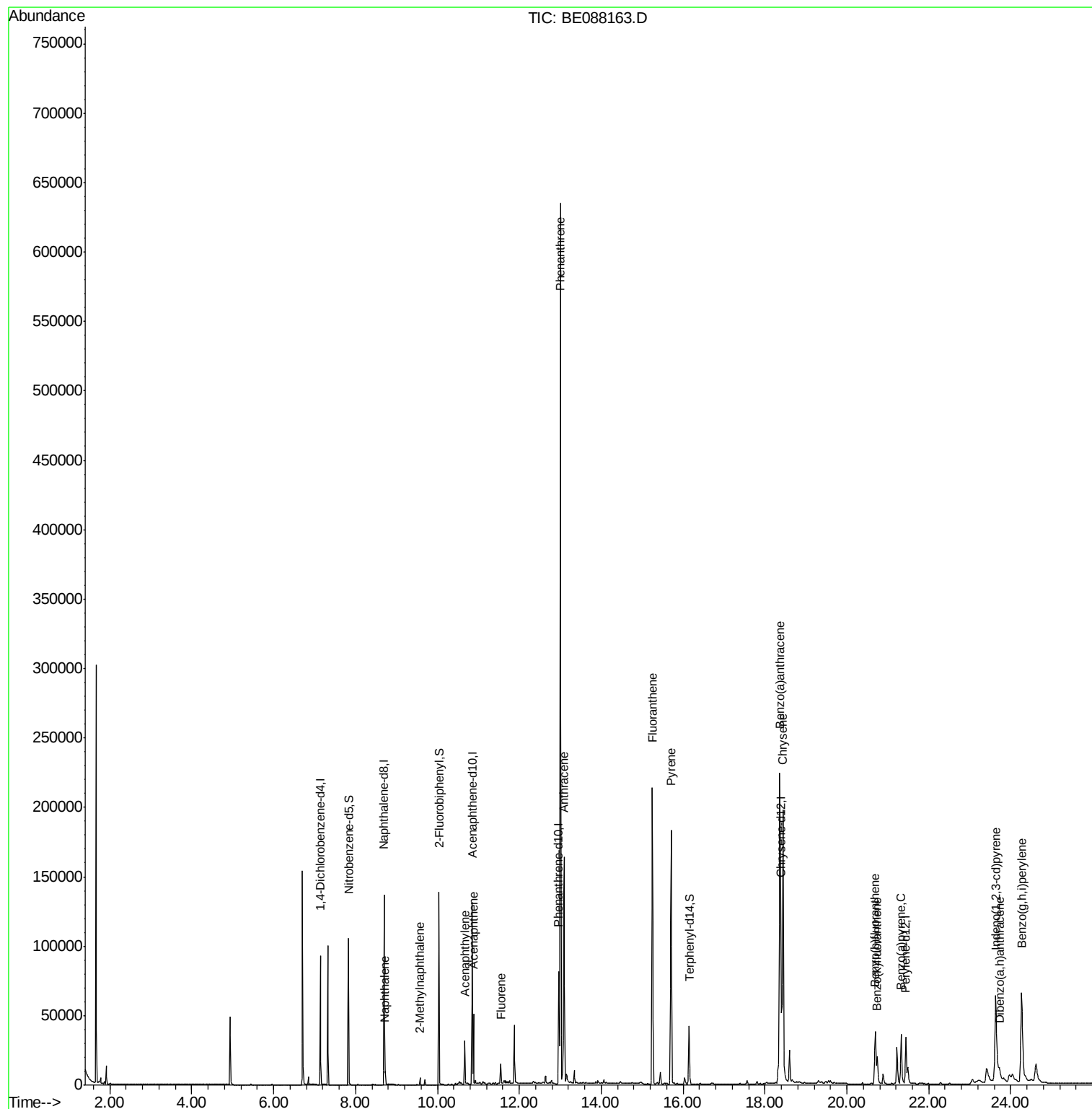
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
Data File : BE088163.D
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Sample : F4303-01 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

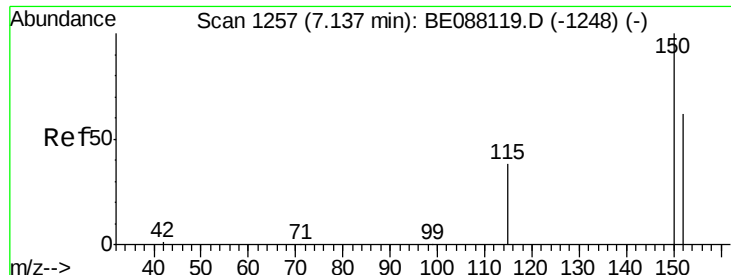
Instrument :
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ClientSampleId :
YS19-SS01-1014

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Quant Time: Oct 22 05:08:54 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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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: BE088163.D

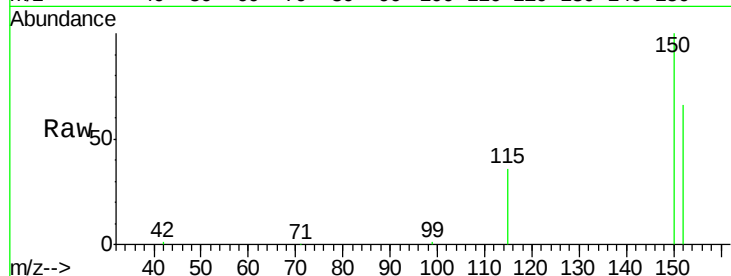
Acq: 22 Oct 2014 4:05

Instrument :

BNA_E

ClientSampleId :

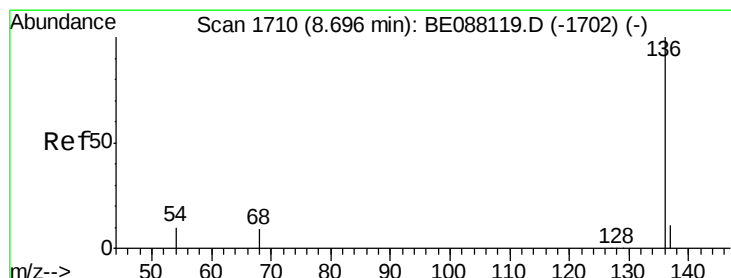
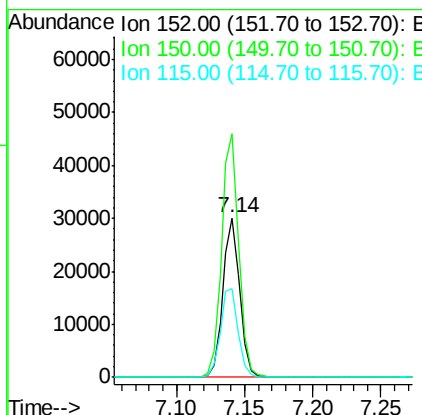
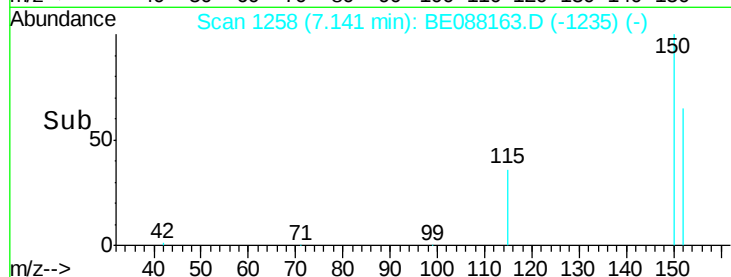
YS19-SS01-1014



Tgt Ion:	152	Resp:	25695
Ion Ratio	Lower	Upper	
152	100		
150	152.6	129.2	193.8
115	55.4	49.3	73.9

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#3

Naphthalene-d8

Concen: 5.00 ng

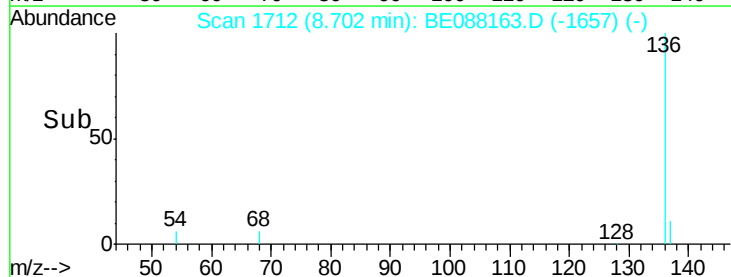
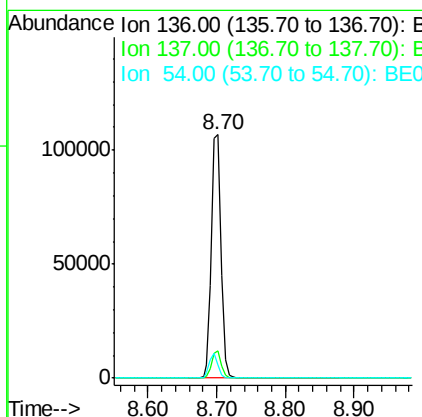
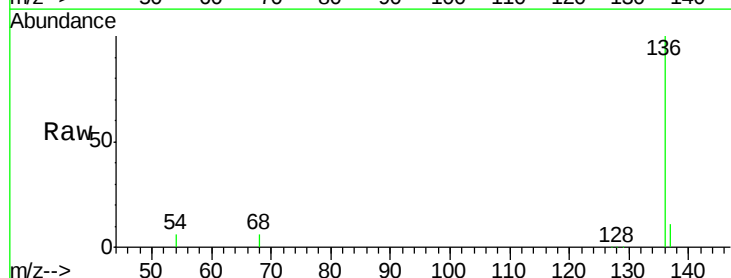
RT: 8.70 min Scan# 1712

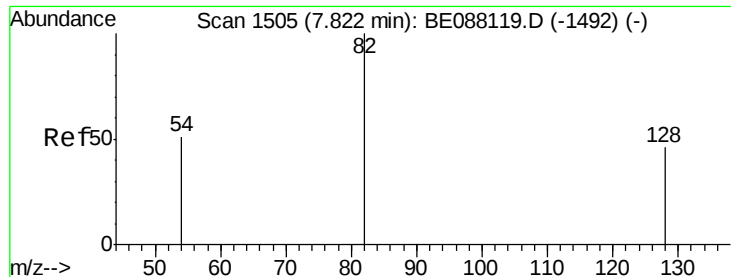
Delta R.T. 0.01 min

Lab File: BE088163.D

Acq: 22 Oct 2014 4:05

Tgt Ion:	136	Resp:	100982
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.6	12.8
54	5.6	7.7	11.5#





#4

Nitrobenzene-d5

Concen: 6.11 ng

RT: 7.83 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BE088163.D

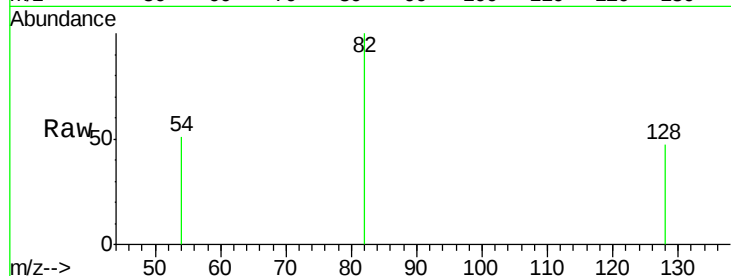
Acq: 22 Oct 2014 4:05

Instrument :

BNA_E

ClientSampleId :

YS19-SS01-1014



Tgt Ion: 82 Resp: 44502

Ion Ratio Lower Upper

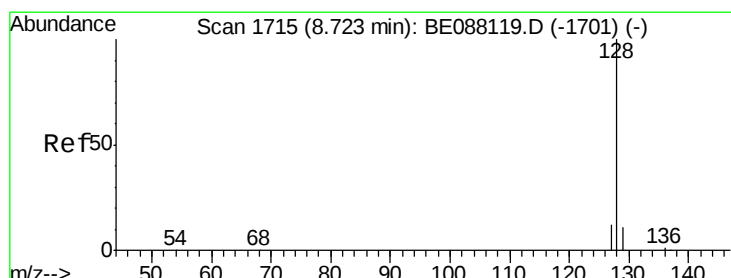
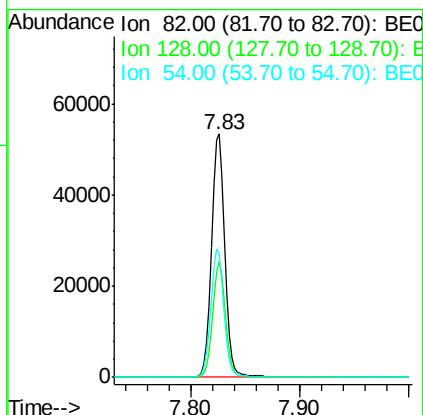
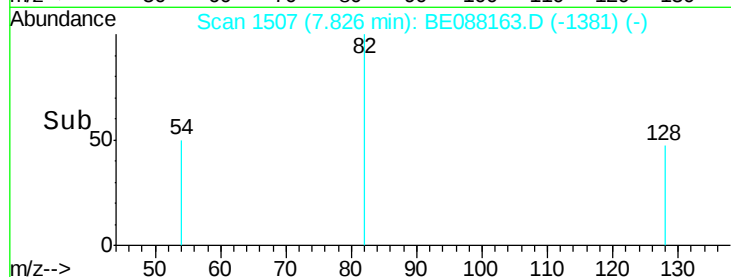
82 100

128 47.4 37.1 55.7

54 50.5 41.1 61.7

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#5

Naphthalene

Concen: 0.41 ng

RT: 8.72 min Scan# 1716

Delta R.T. 0.00 min

Lab File: BE088163.D

Acq: 22 Oct 2014 4:05

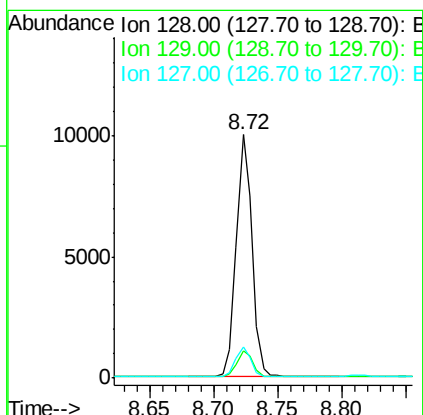
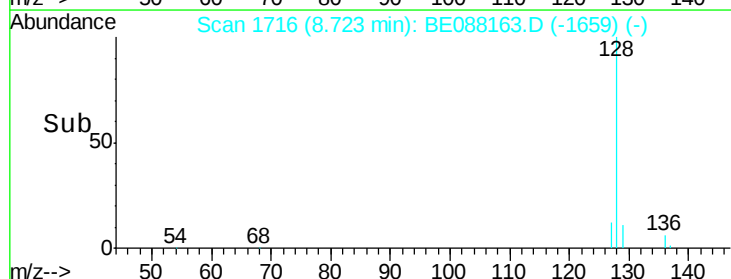
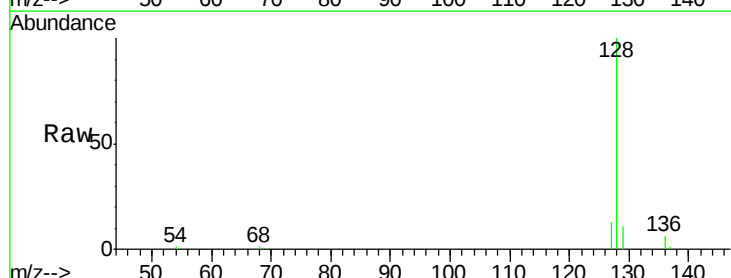
Tgt Ion: 128 Resp: 8515

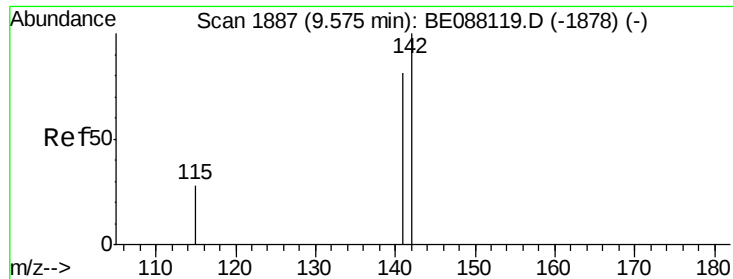
Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 12.8 9.7 14.5





#6

2-Methylnaphthalene

Concen: 0.16 ng

RT: 9.58 min Scan# 1888

Delta R.T. 0.00 min

Lab File: BE088163.D

Acq: 22 Oct 2014 4:05

Instrument :

BNA_E

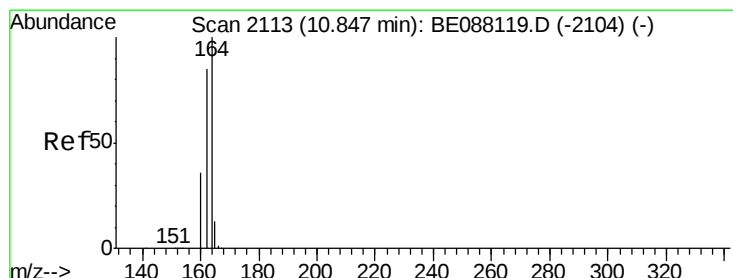
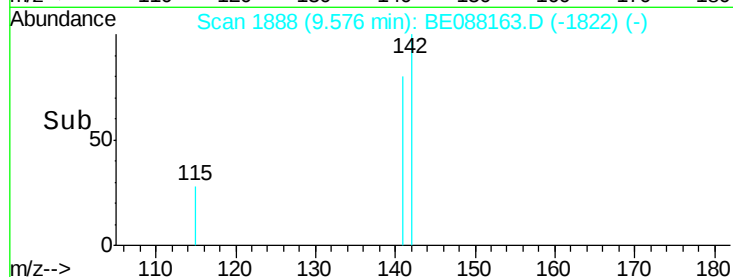
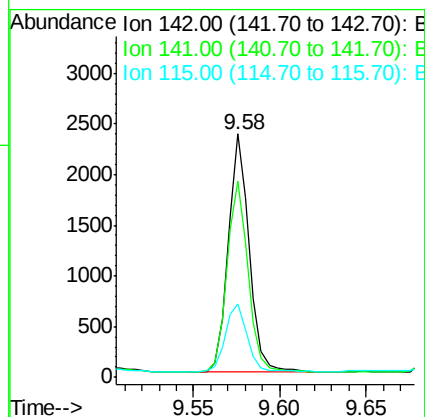
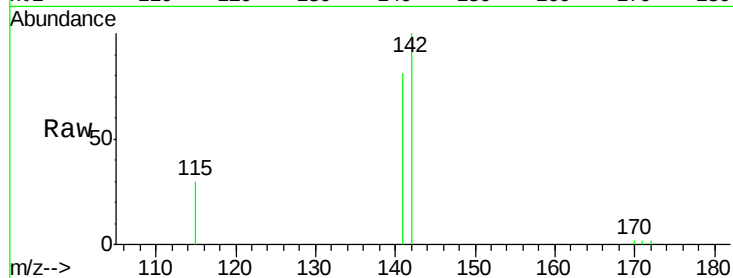
ClientSampleId :

YS19-SS01-1014

Tgt Ion:	142	Resp:	2020
Ion Ratio	Lower	Upper	
142	100		
141	80.6	64.6	97.0
115	30.3	22.6	34.0

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#7

Acenaphthene-d10

Concen: 5.00 ng

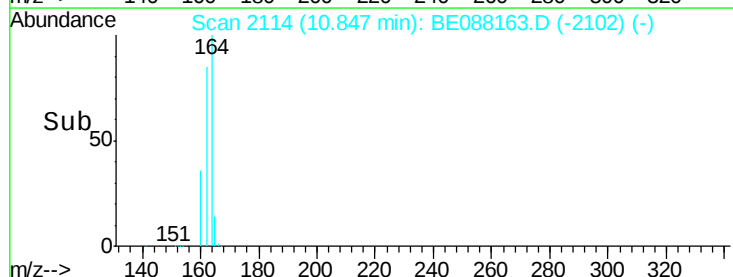
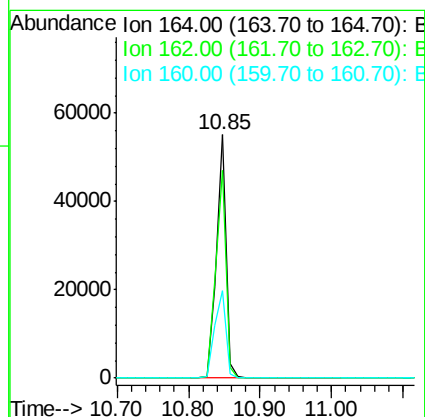
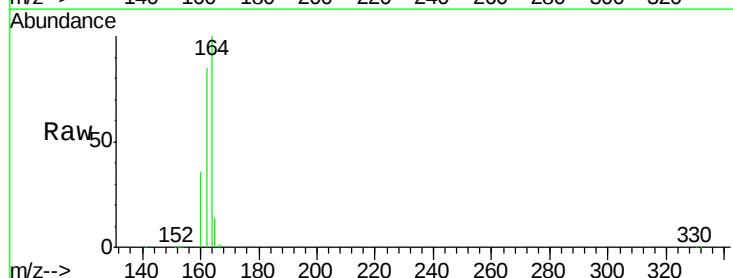
RT: 10.85 min Scan# 2114

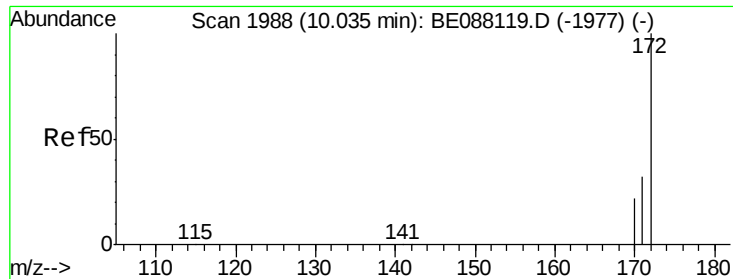
Delta R.T. 0.00 min

Lab File: BE088163.D

Acq: 22 Oct 2014 4:05

Tgt Ion:	164	Resp:	52659
Ion Ratio	Lower	Upper	
164	100		
162	85.2	68.3	102.5
160	35.9	28.7	43.1





#8

2-Fluorobiphenyl

Concen: 5.27 ng

RT: 10.04 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BE088163.D

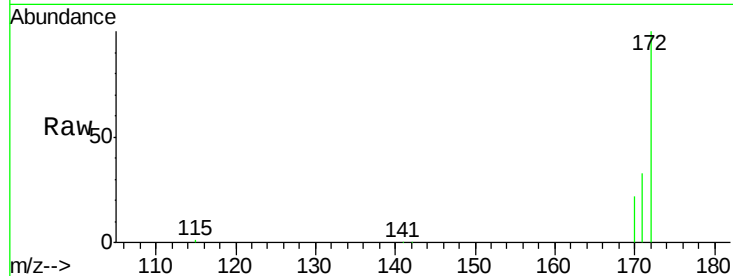
Acq: 22 Oct 2014 4:05

Instrument :

BNA_E

ClientSampleId :

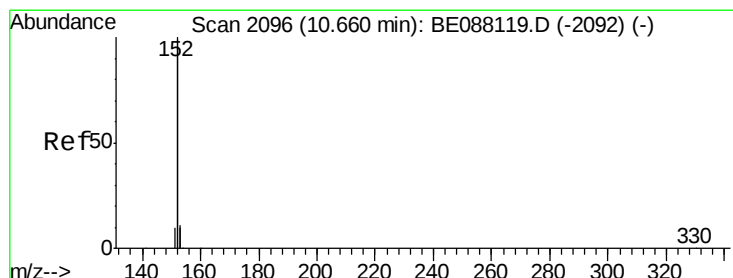
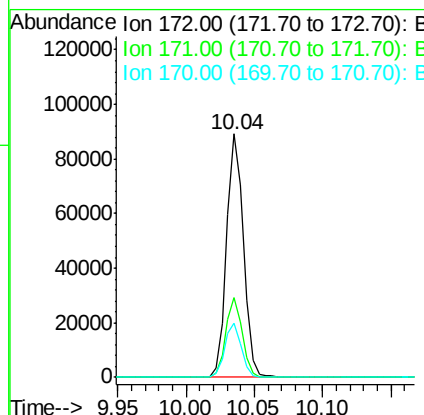
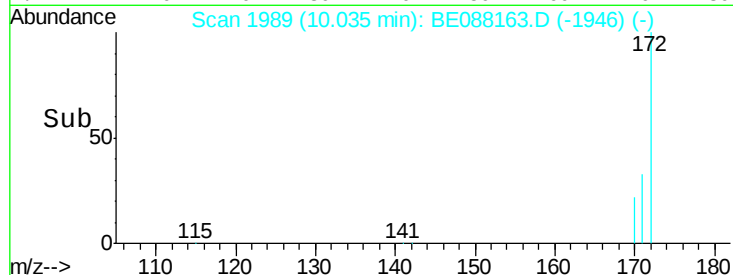
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Tgt Ion:	172	Resp:	76654
Ion Ratio	Lower	Upper	
172	100		
171	32.6	25.4	38.2
170	22.3	17.4	26.2

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#9

Acenaphthylene

Concen: 0.42 ng

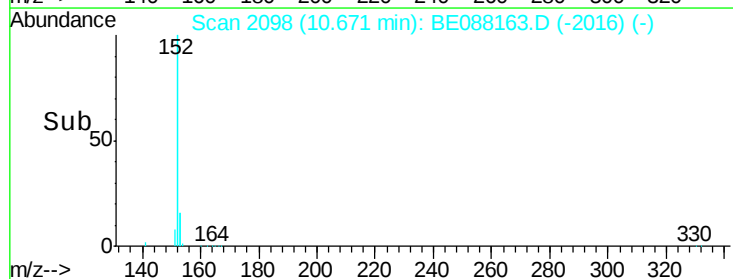
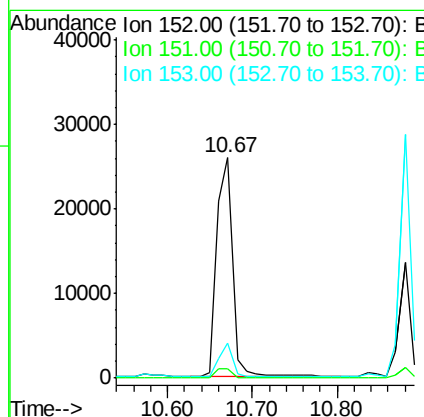
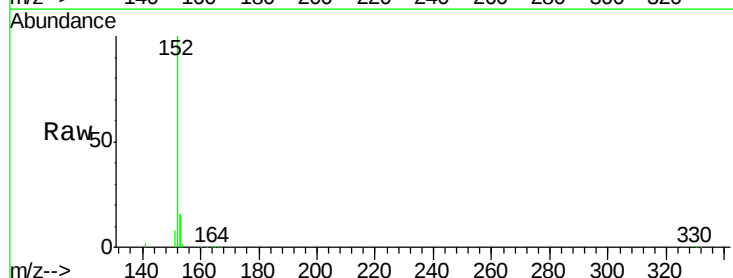
RT: 10.67 min Scan# 2098

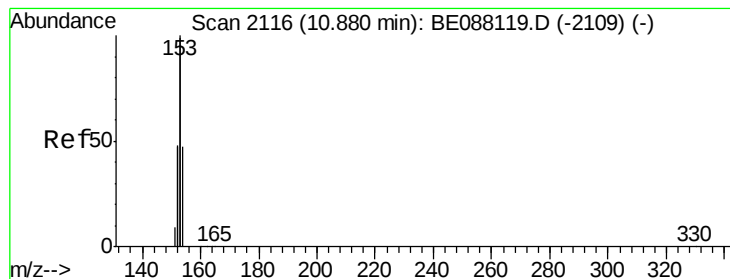
Delta R.T. 0.01 min

Lab File: BE088163.D

Acq: 22 Oct 2014 4:05

Tgt Ion:	152	Resp:	33540
Ion Ratio	Lower	Upper	
152	100		
151	4.5	3.7	5.5
153	13.2	10.4	15.6





#10

Acenaphthene

Concen: 0.50 ng

RT: 10.88 min Scan# 2117

Delta R.T. 0.00 min

Lab File: BE088163.D

Acq: 22 Oct 2014 4:05

Instrument :

BNA_E

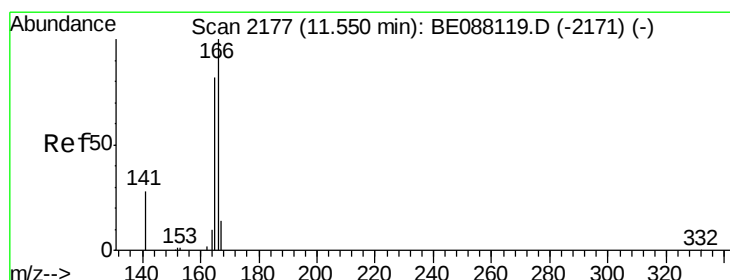
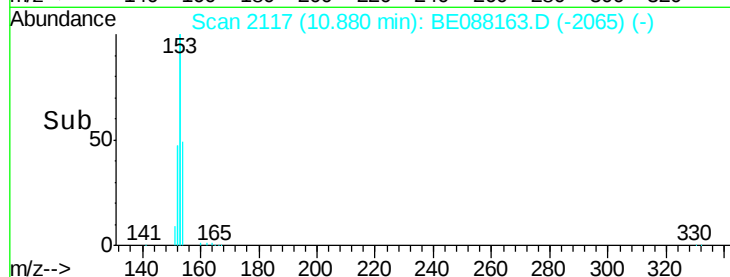
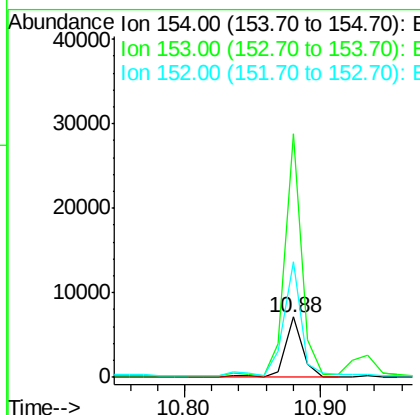
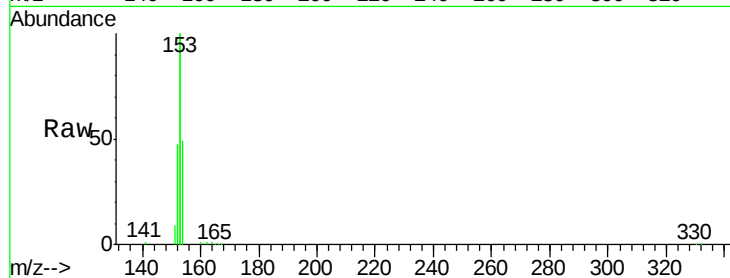
ClientSampleId :

YS19-SS01-1014

Tgt Ion:	154	Resp:	6250
Ion Ratio	Lower	Upper	
154	100		
153	395.9	327.8	491.6
152	200.4	157.6	236.4

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#11

Fluorene

Concen: 0.71 ng

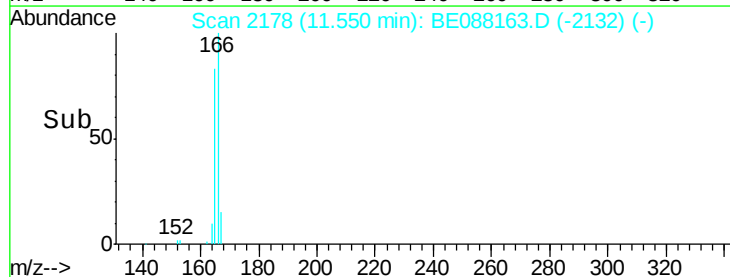
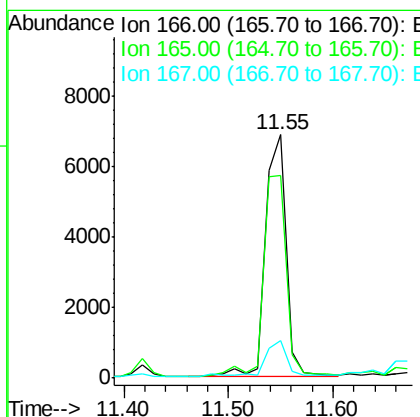
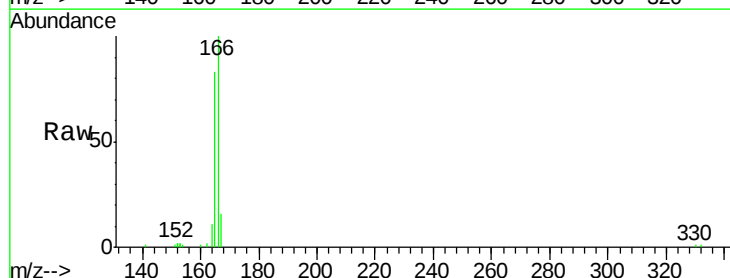
RT: 11.55 min Scan# 2178

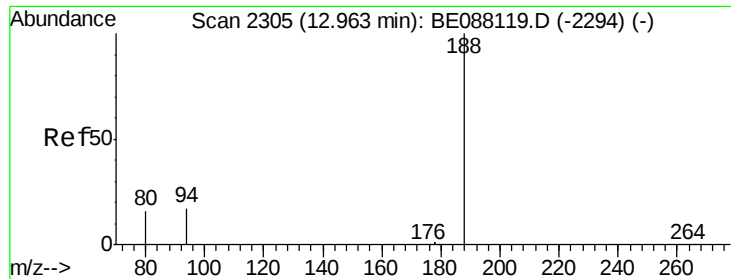
Delta R.T. 0.00 min

Lab File: BE088163.D

Acq: 22 Oct 2014 4:05

Tgt Ion:	166	Resp:	9381
Ion Ratio	Lower	Upper	
166	100		
165	91.5	71.4	107.2
167	14.8	10.6	16.0





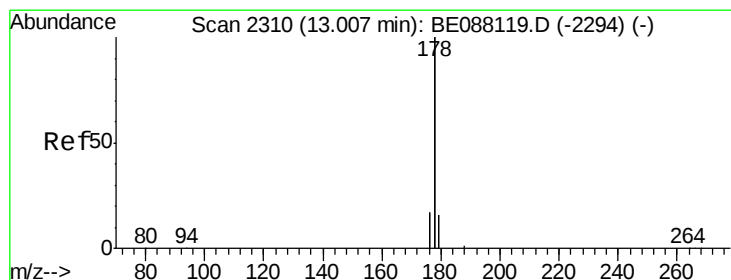
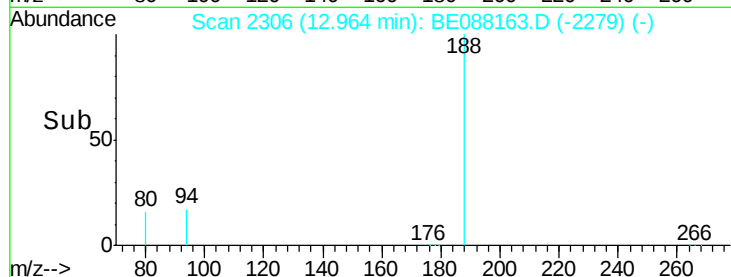
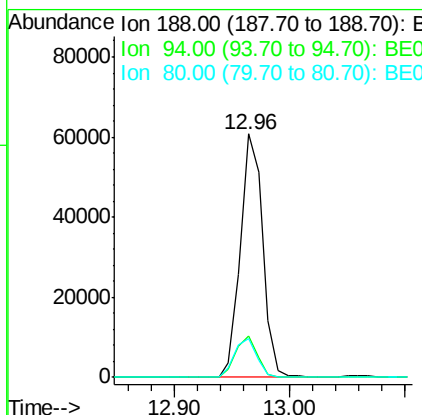
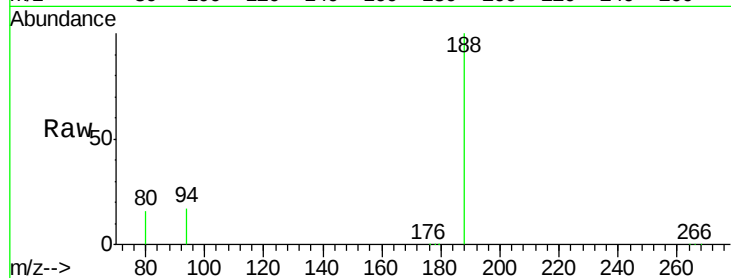
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.96 min Scan# 2306
Delta R.T. 0.00 min
Lab File: BE088163.D
Acq: 22 Oct 2014 4:05

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Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	16.9	13.9	20.9
80	16.1	12.9	19.3

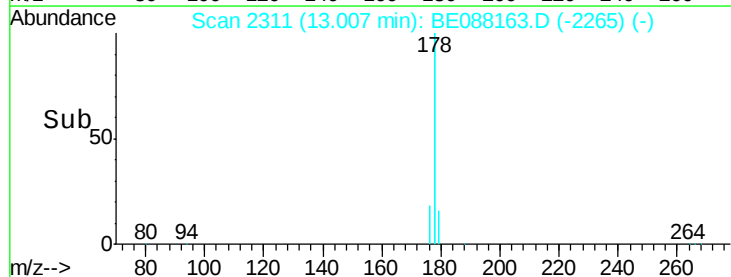
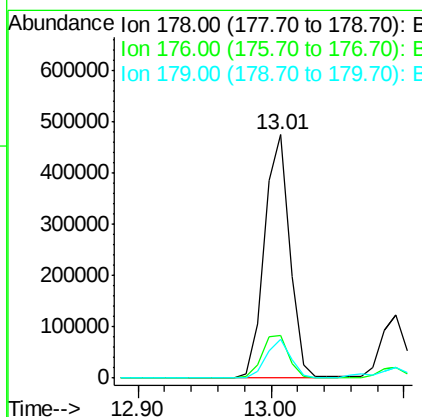
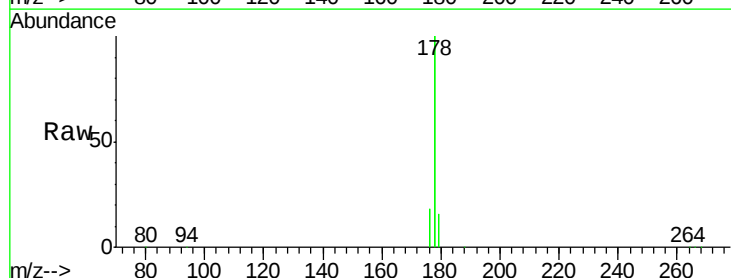
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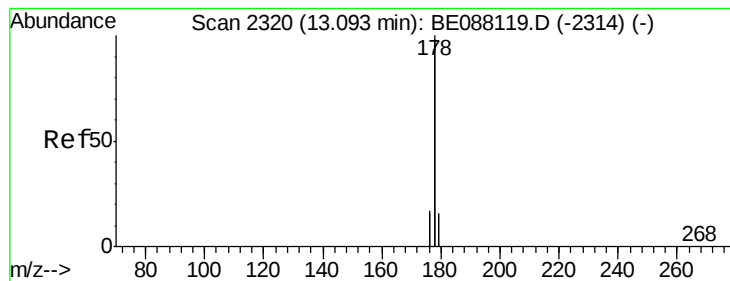
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#13
Phenanthrene
Concen: 10.65 ng
RT: 13.01 min Scan# 2311
Delta R.T. 0.00 min
Lab File: BE088163.D
Acq: 22 Oct 2014 4:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.8	12.5	18.7#
179	15.3	13.5	20.3





#14

Anthracene

Concen: 2.52 ng m

RT: 13.09 min Scan# 2321

Delta R.T. 0.00 min

Lab File: BE088163.D

Acq: 22 Oct 2014 4:05

Instrument :

BNA_E

ClientSampleId :

YS19-SS01-1014

Tgt Ion:178 Resp: 160520
Ion Ratio Lower Upper

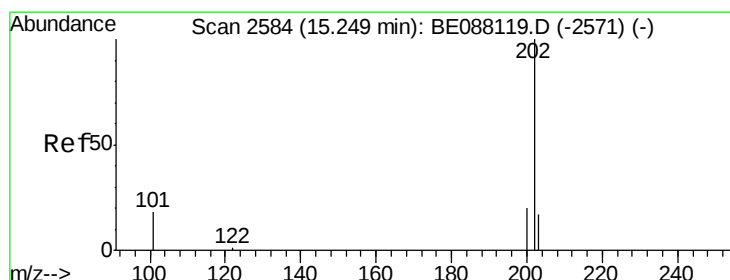
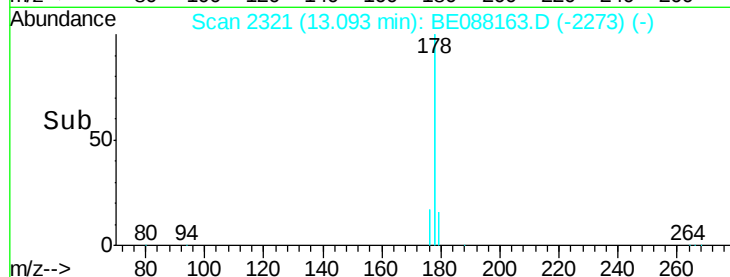
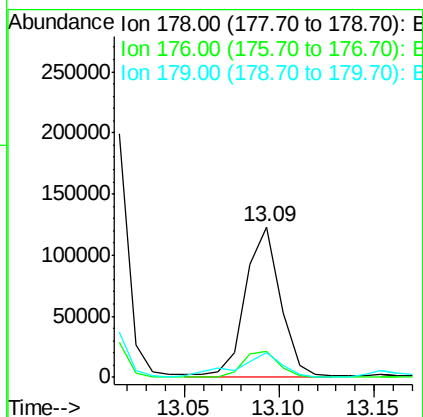
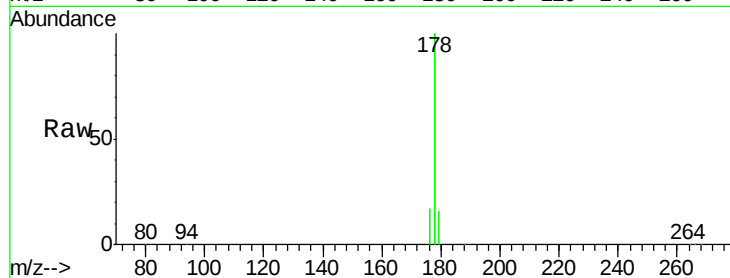
178 100

176 73.2 14.6 21.8#

179 59.6 12.5 18.7#

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#15

Fluoranthene

Concen: 13.29 ng

RT: 15.25 min Scan# 2586

Delta R.T. 0.00 min

Lab File: BE088163.D

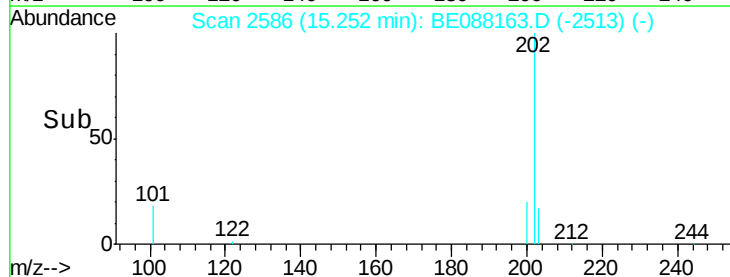
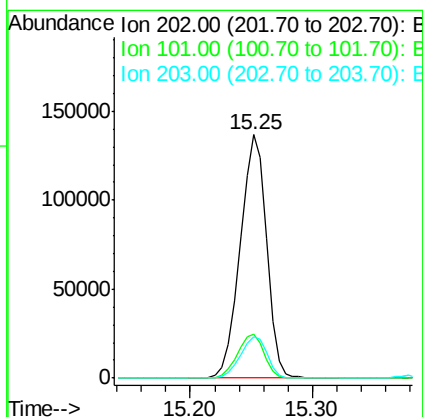
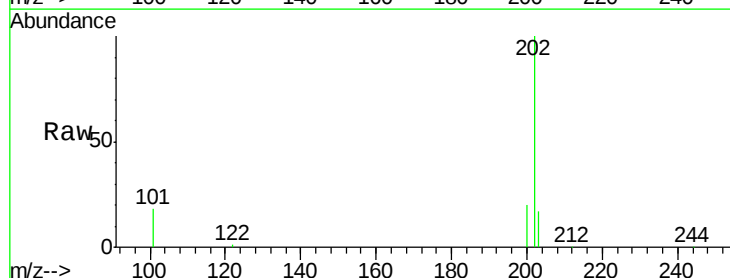
Acq: 22 Oct 2014 4:05

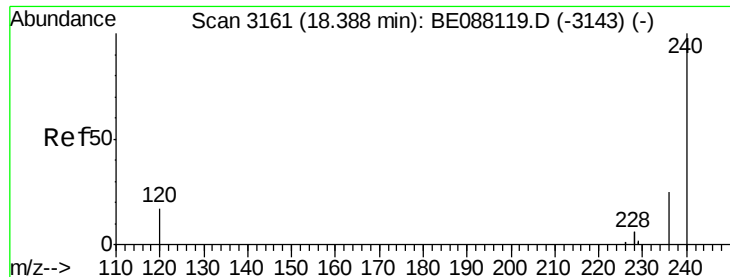
Tgt Ion:202 Resp: 206615
Ion Ratio Lower Upper

202 100

101 18.3 14.8 22.2

203 17.4 13.5 20.3





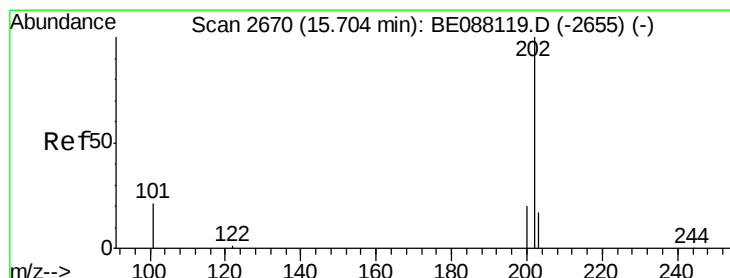
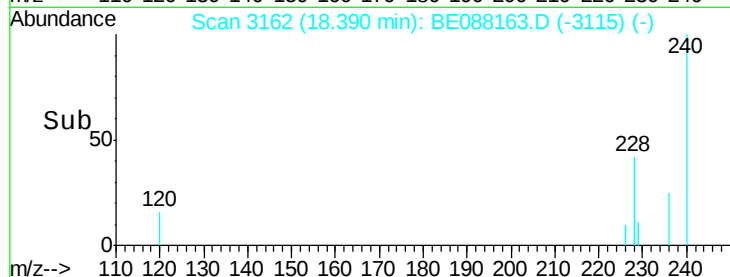
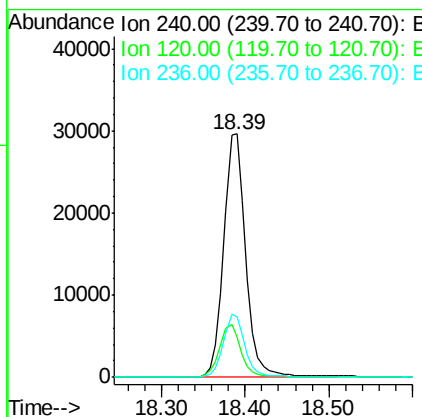
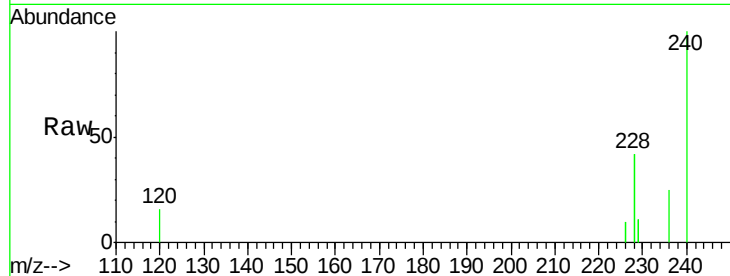
#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.39 min Scan# 3162
Delta R.T. 0.00 min
Lab File: BE088163.D
Acq: 22 Oct 2014 4:05

Instrument :
BNA_E
ClientSampleId :
YS19-SS01-1014

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	53671		
120	16.3		13.9	20.9
236	24.9		19.9	29.9

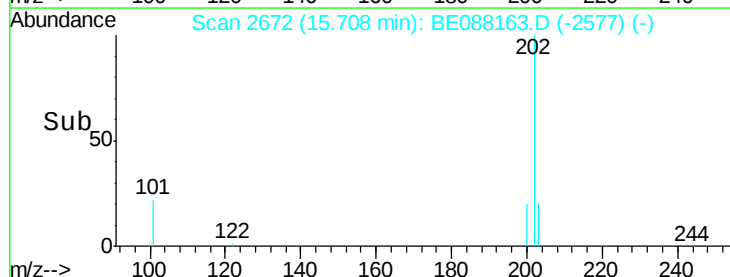
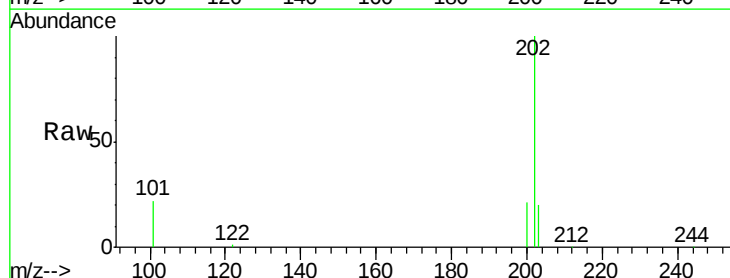
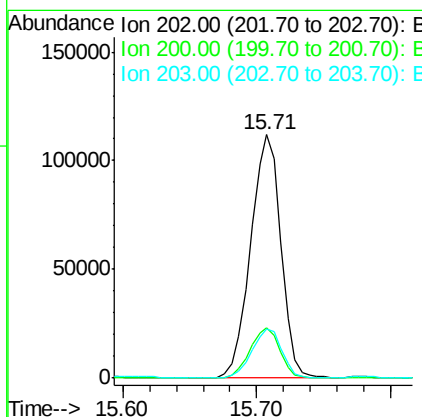
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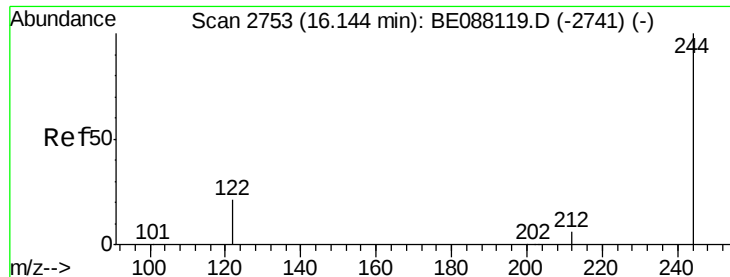
mohammad
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#17
Pyrene
Concen: 12.09 ng
RT: 15.71 min Scan# 2672
Delta R.T. 0.00 min
Lab File: BE088163.D
Acq: 22 Oct 2014 4:05

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	176409		
200	20.4		16.1	24.1
203	20.0		13.9	20.9





#18

Terphenyl-d14

Concen: 6.24 ng

RT: 16.15 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE088163.D

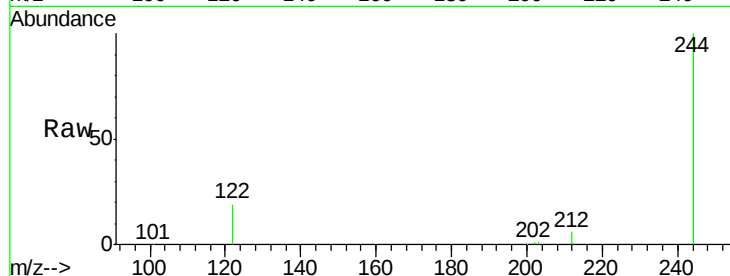
Acq: 22 Oct 2014 4:05

Instrument :

BNA_E

ClientSampleId :

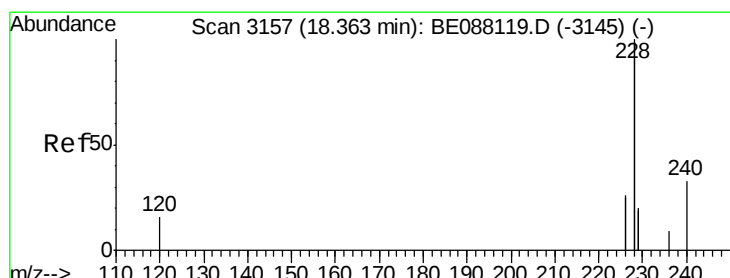
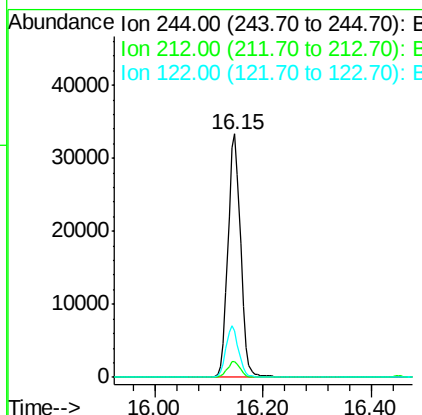
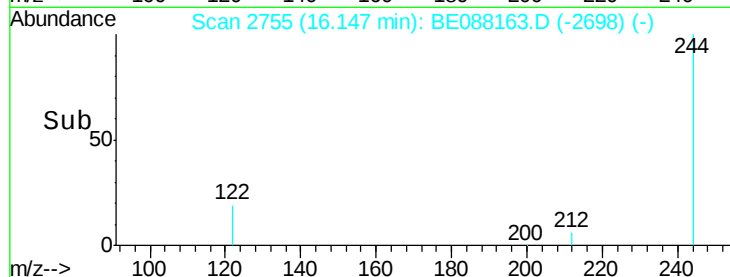
YS19-SS01-1014



Tgt Ion:	244	Resp:	53867
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.4	8.0
122	19.0	17.5	26.3

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#19

Benzo(a)anthracene

Concen: 5.79 ng

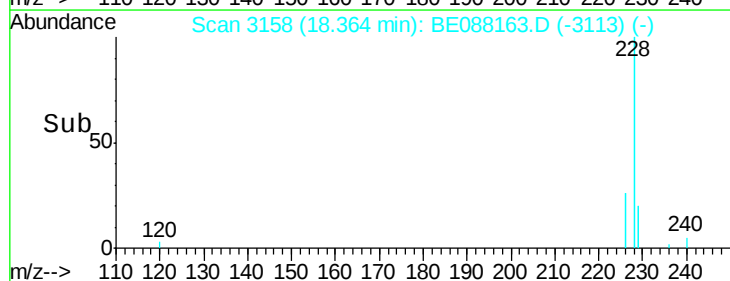
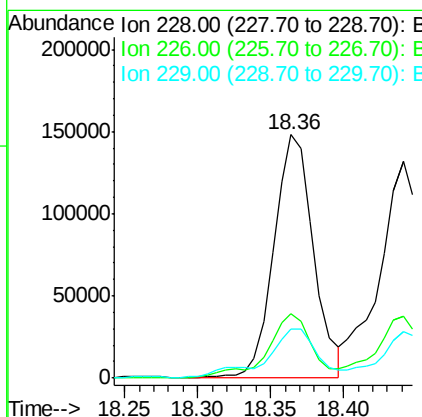
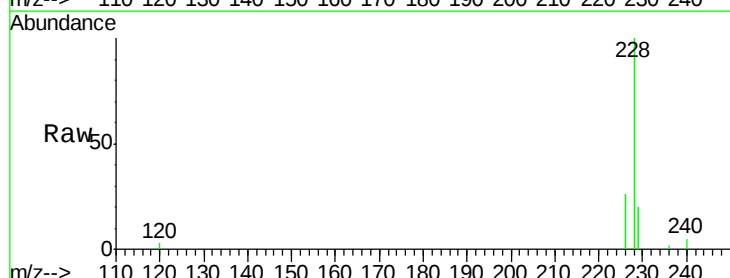
RT: 18.36 min Scan# 3158

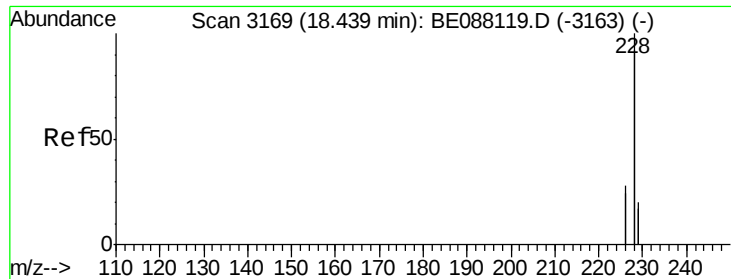
Delta R.T. 0.00 min

Lab File: BE088163.D

Acq: 22 Oct 2014 4:05

Tgt Ion:	228	Resp:	276388
Ion Ratio	Lower	Upper	
228	100		
226	26.5	20.8	31.2
229	20.3	15.6	23.4





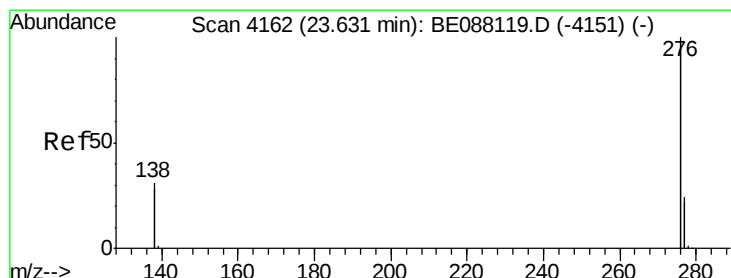
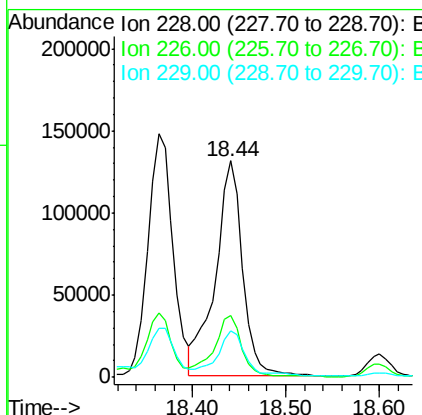
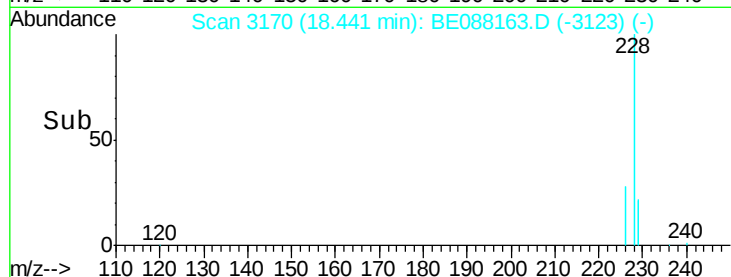
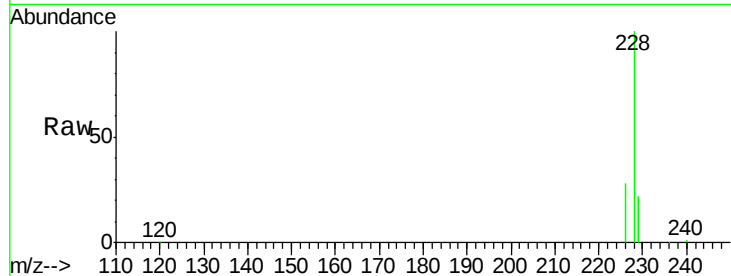
#20
Chrysene
Concen: 5.73 ng
RT: 18.44 min Scan# 3170
Delta R.T. 0.00 min
Lab File: BE088163.D
Acq: 22 Oct 2014 4:05

Instrument :
BNA_E
ClientSampleId :
YS19-SS01-1014

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	268479		
226	28.4		22.7	34.1
229	21.6		15.8	23.6

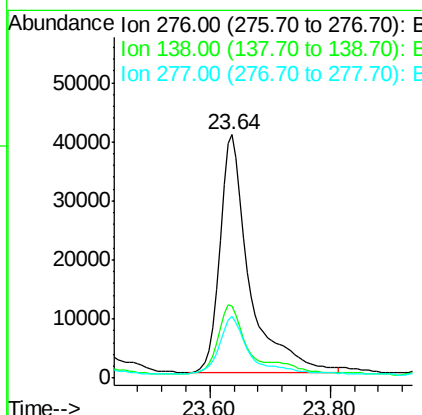
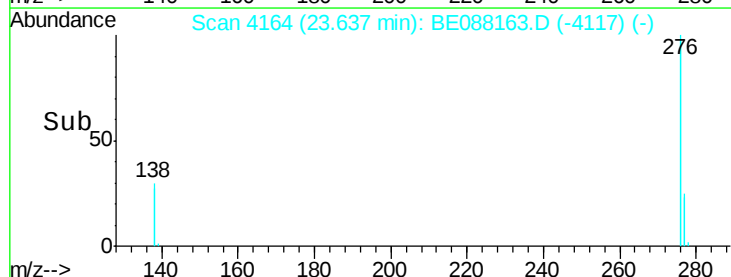
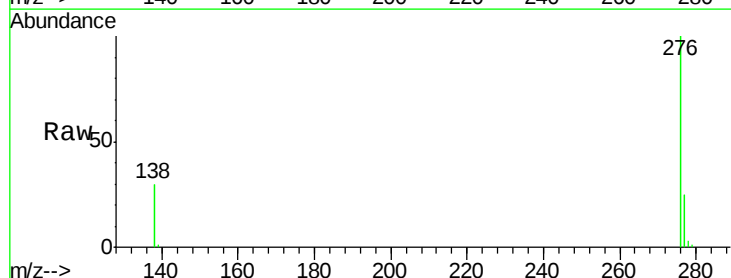
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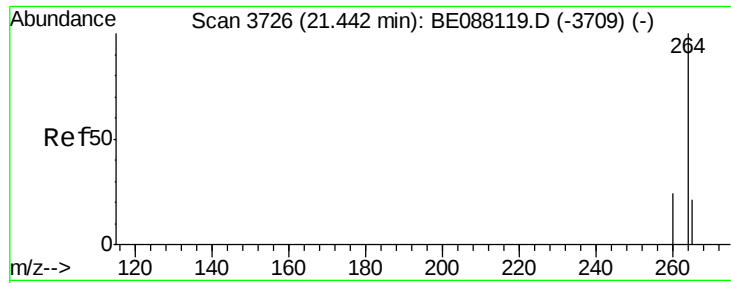
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#21
Indeno(1,2,3-cd)pyrene
Concen: 2.67 ng
RT: 23.64 min Scan# 4164
Delta R.T. 0.01 min
Lab File: BE088163.D
Acq: 22 Oct 2014 4:05

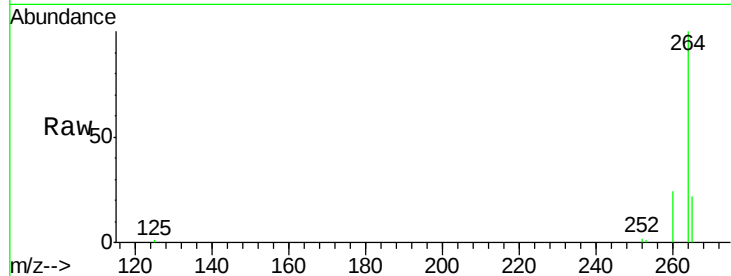
Tgt Ion	Ratio	Resp	Lower	Upper
276	100	138909		
138	30.6		18.5	27.7#
277	25.7		14.6	21.8#





#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.44 min Scan# 3727
 Delta R.T. 0.00 min
 Lab File: BE088163.D
 Acq: 22 Oct 2014 4:05

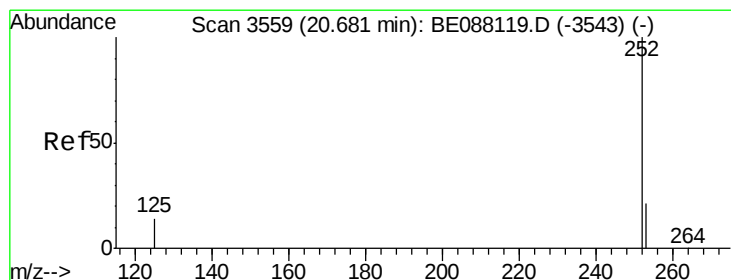
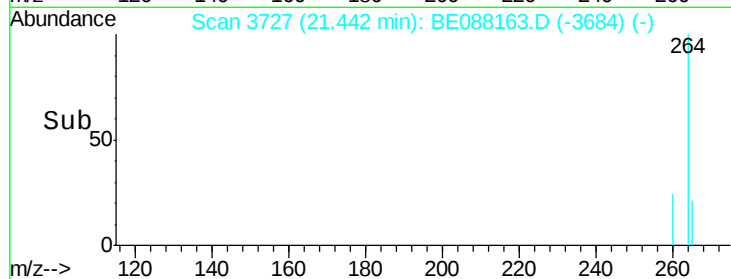
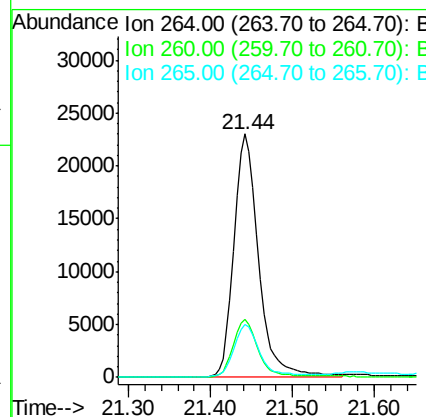
Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS01-1014



Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.4
265	21.6	17.2	25.8

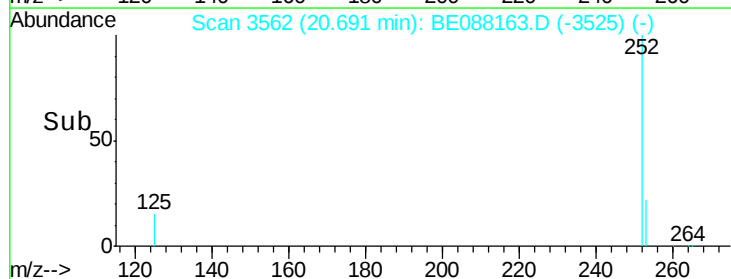
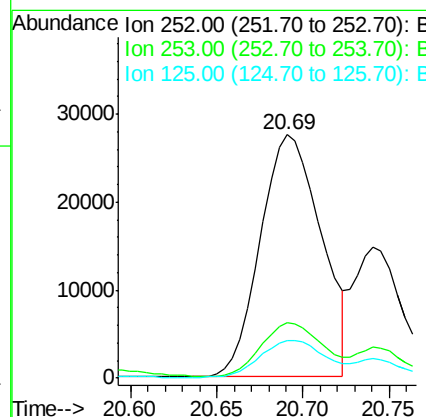
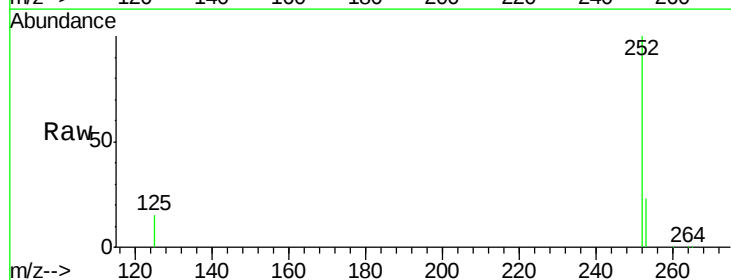
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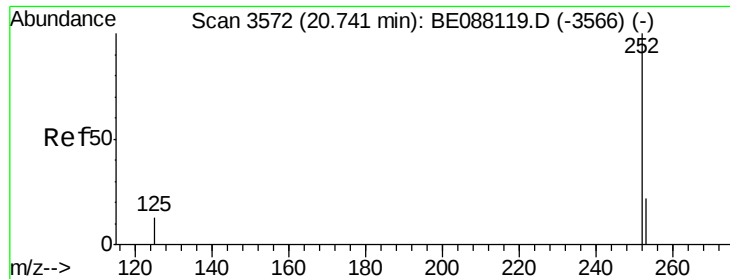
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#23
 Benzo(b)fluoranthene
 Concen: 6.00 ng
 RT: 20.69 min Scan# 3562
 Delta R.T. 0.01 min
 Lab File: BE088163.D
 Acq: 22 Oct 2014 4:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	15.2	11.8	17.8





#24

Benzo(k)fluoranthene

Concen: 2.37 ng

RT: 20.74 min Scan# 3573

Delta R.T. 0.00 min

Lab File: BE088163.D

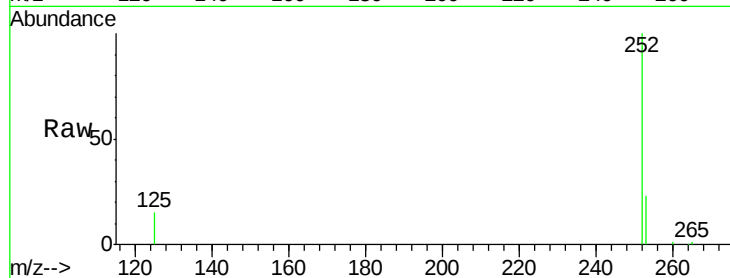
Acq: 22 Oct 2014 4:05

Instrument :

BNA_E

ClientSampleId :

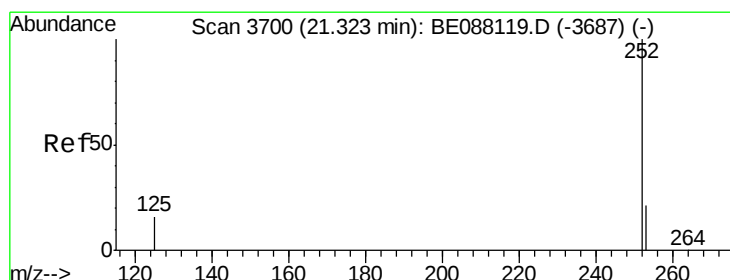
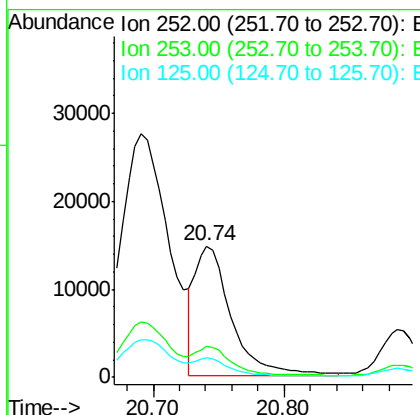
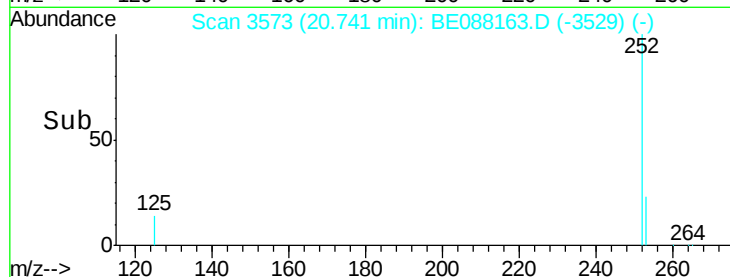
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.6	26.4
125	14.6	11.5	17.3

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#25

Benzo(a)pyrene

Concen: 5.11 ng

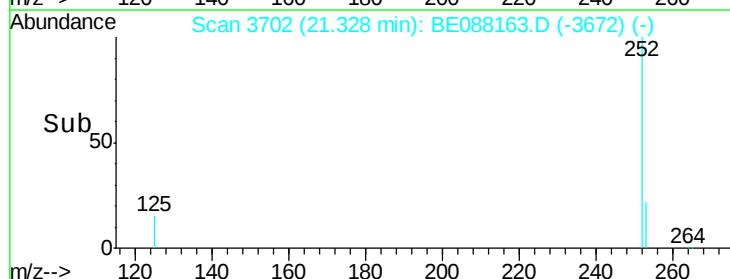
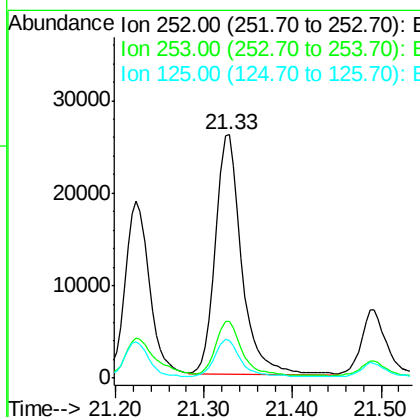
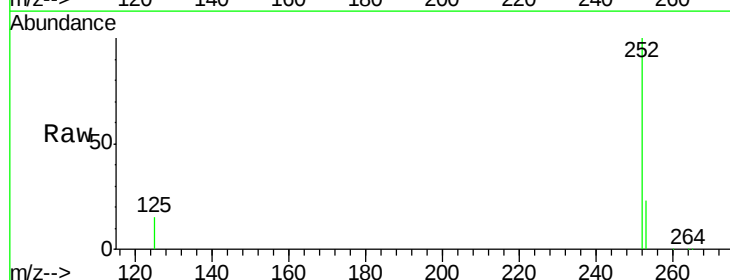
RT: 21.33 min Scan# 3702

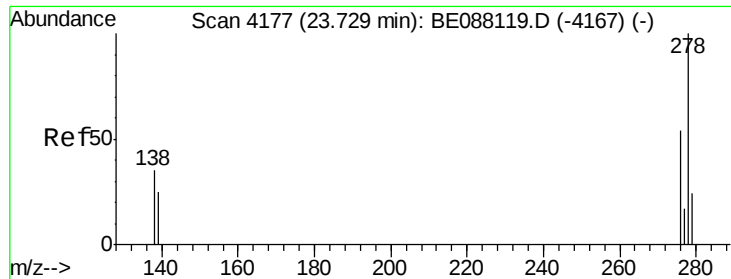
Delta R.T. 0.00 min

Lab File: BE088163.D

Acq: 22 Oct 2014 4:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	15.3	13.0	19.6





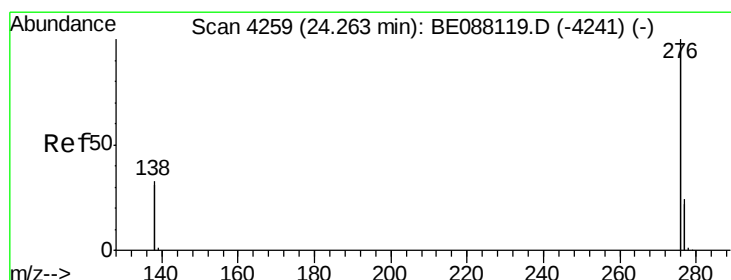
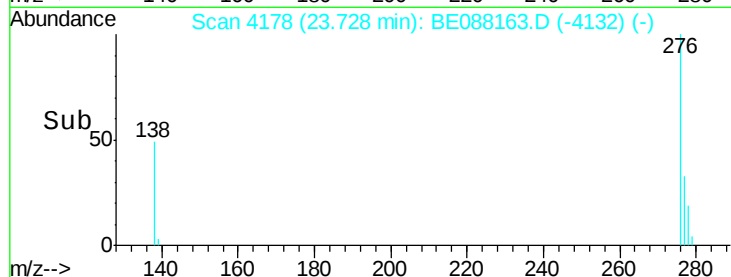
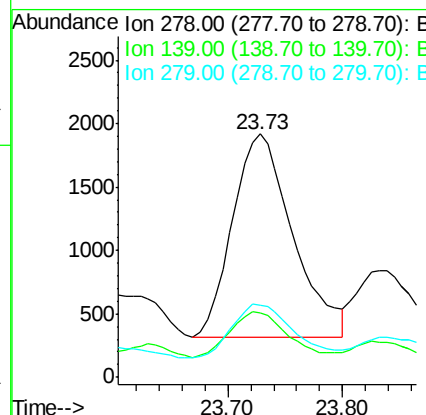
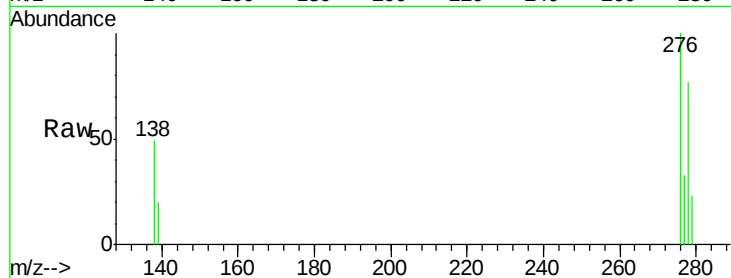
#26
Dibenzo(a,h)anthracene
Concen: 0.57 ng
RT: 23.73 min Scan# 4178
Delta R.T. -0.00 min
Lab File: BE088163.D
Acq: 22 Oct 2014 4:05

Instrument :
BNA_E
ClientSampleId :
YS19-SS01-1014

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.6	20.9	31.3
279	29.9	19.8	29.8#

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#27
Benzo(g,h,i)perylene
Concen: 3.14 ng
RT: 24.27 min Scan# 4261
Delta R.T. 0.01 min
Lab File: BE088163.D
Acq: 22 Oct 2014 4:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.2	28.8
138	32.4	26.6	40.0

