

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011416\
 Data File : BE091362.D
 Acq On : 14 Jan 2016 22:06
 Operator : UM/IZ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

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 1/15/2016 3:39:19 PM

Quant Time: Jan 14 23:02:30 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE011416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 22:47:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	34127	5.00	ng	-0.01
4) Naphthalene-d8	9.53	136	177947	5.00	ng	-0.02
8) Acenaphthene-d10	13.35	164	92265	5.00	ng	0.00
14) Phenanthrene-d10	16.07	188	236290	5.00	ng	-0.01
18) Chrysene-d12	20.21	240	262761	5.00	ng	0.00
24) Perylene-d12	22.10	264	212944	5.00	ng	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	4.91	112	60526	8.90	ng	-0.04
3) Phenol-d6	6.51	99	109568	13.09	ng	-0.05
5) Nitrobenzene-d5	8.12	82	133471	13.70	ng	-0.04
9) 2,4,6-Tribromophenol	14.88	330	33214	11.78	ng	-0.01
10) 2-Fluorobiphenyl	11.99	172	266386	10.90	ng	-0.02
20) Terphenyl-d14	18.61	244	393493	12.23	ng	-0.02
Target Compounds						Qvalue
6) Naphthalene	9.58	128	380284	9.87	ng	99
7) 2-Methylnaphthalene	11.10	142	246353	11.47	ng	95
11) Acenaphthylene	13.09	152	1780301	11.87	ng	99
12) Acenaphthene	13.41	154	279700	11.20	ng	# 68
13) Fluorene	14.39	166	370041	12.15	ng	96
15) Phenanthrene	16.11	178	594054	9.82	ng	99
16) Anthracene	16.19	178	583631	11.13	ng	99
17) Fluoranthene	18.08	202	645639	9.28	ng	99
19) Pyrene	18.46	202	691941	10.79	ng	100
21) Benzo(a)anthracene	20.19	228	606163	10.39	ng	99
22) Chrysene	20.25	228	663381	8.44	ng	99
23) Indeno(1,2,3-cd)pyrene	23.69	276	675378m	11.00	ng	
25) Benzo(b)fluoranthene	21.54	252	551617	12.09	ng	100
26) Benzo(k)fluoranthene	21.57	252	634706	10.16	ng	99
27) Benzo(a)pyrene	22.00	252	547735	12.62	ng	99
28) Dibenzo(a,h)anthracene	23.64	278	519450	12.61	ng	100
29) Benzo(g,h,i)perylene	24.24	276	554331	12.21	ng	98

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

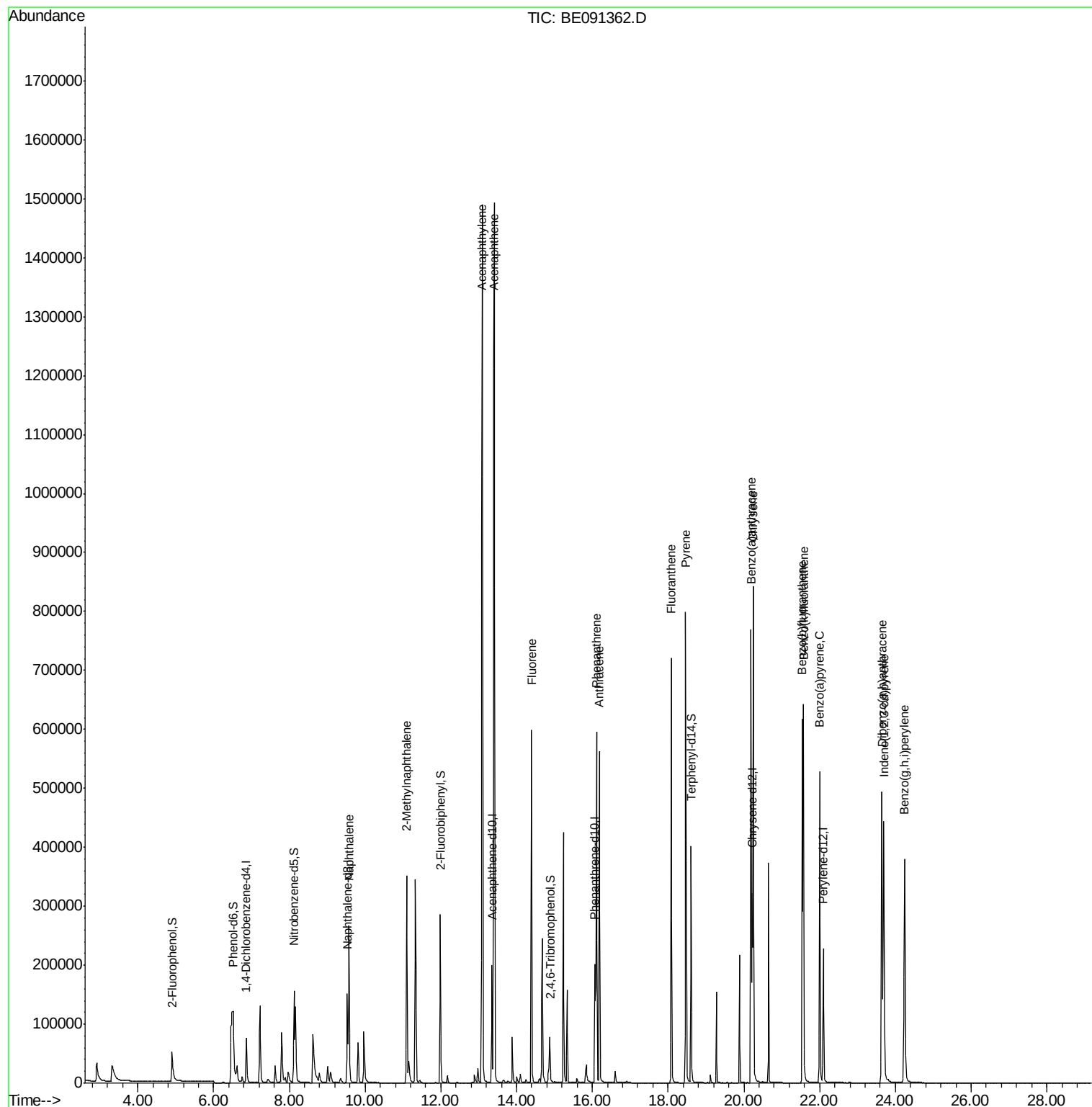
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011416\
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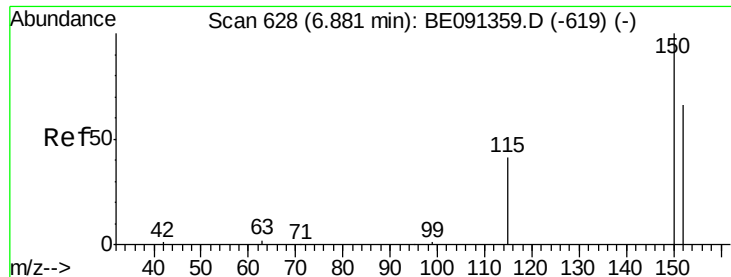
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.87 min Scan# 626

Delta R.T. -0.01 min

Lab File: BE091362.D

Acq: 14 Jan 2016 22:06

Instrument :

BNA_E

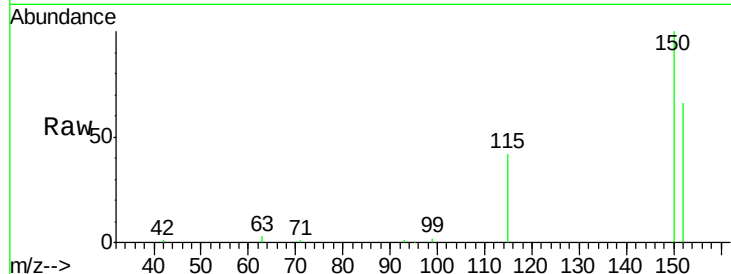
ClientSampleId :

SSTDICC010

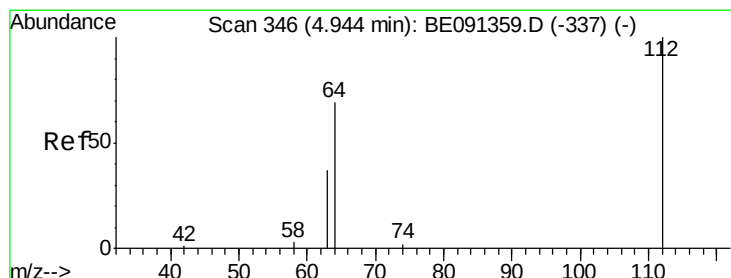
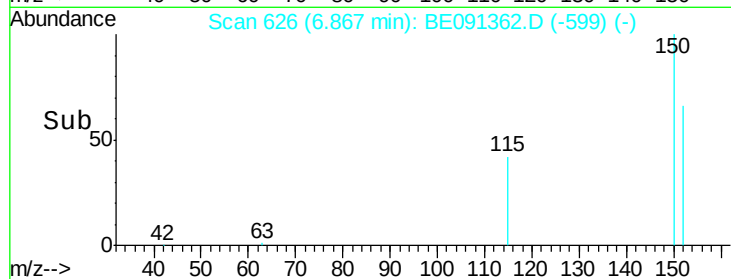
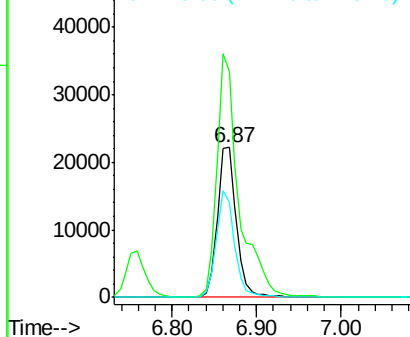
Tgt Ion:	152	Resp:	34127
Ion Ratio	Lower	Upper	
152	100		
150	150.6	121.6	182.4
115	63.2	50.6	75.8

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#2

2-Fluorophenol

Concen: 8.90 ng

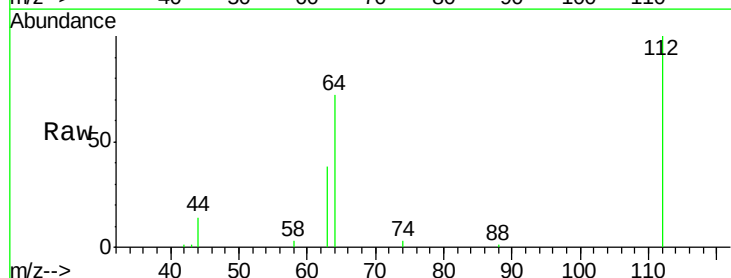
RT: 4.91 min Scan# 340

Delta R.T. -0.04 min

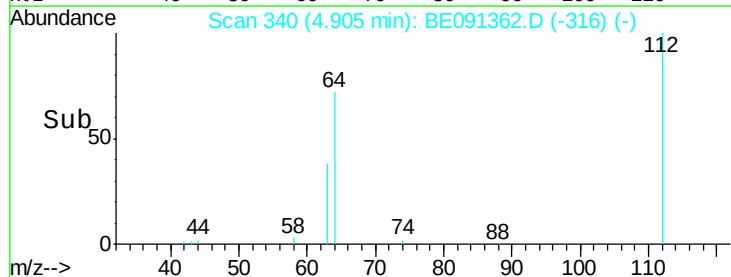
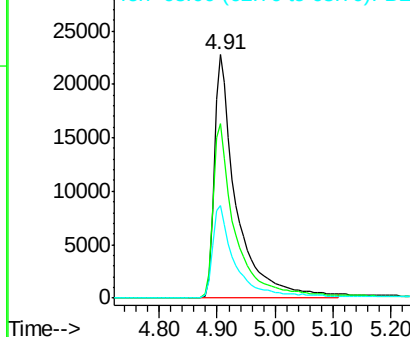
Lab File: BE091362.D

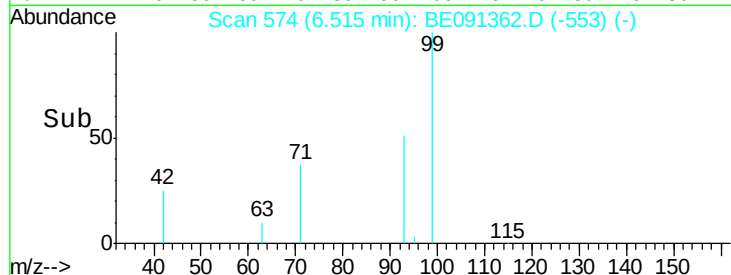
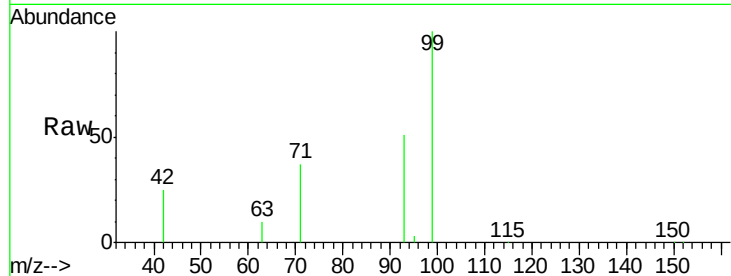
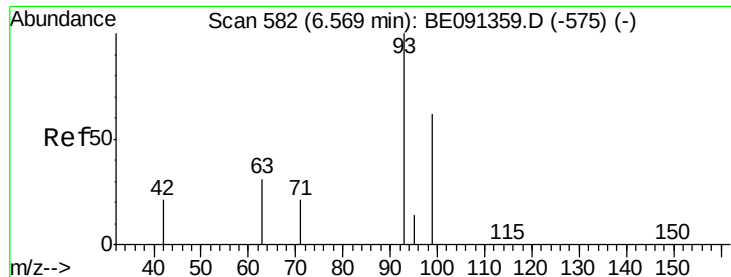
Acq: 14 Jan 2016 22:06

Tgt Ion:	112	Resp:	60526
Ion Ratio	Lower	Upper	
112	100		
64	71.8	57.4	86.0
63	38.4	32.2	48.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#3

Phenol-d6

Concen: 13.09 ng

RT: 6.51 min Scan# 574

Delta R.T. -0.05 min

Lab File: BE091362.D

Acq: 14 Jan 2016 22:06

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	109568		
42	27.1	22.9	34.3	
71	39.2	35.4	53.2	

Instrument :

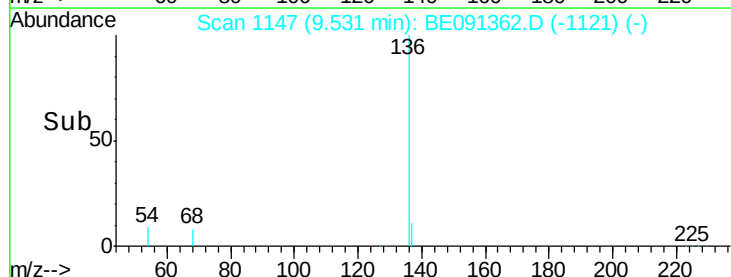
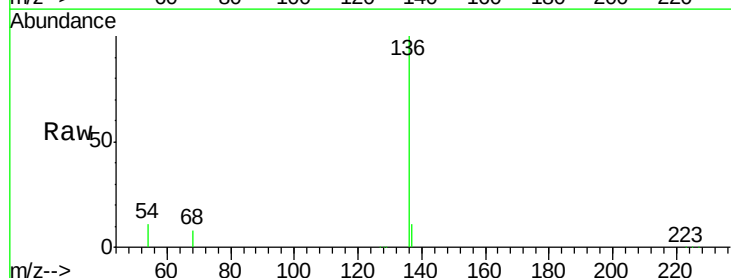
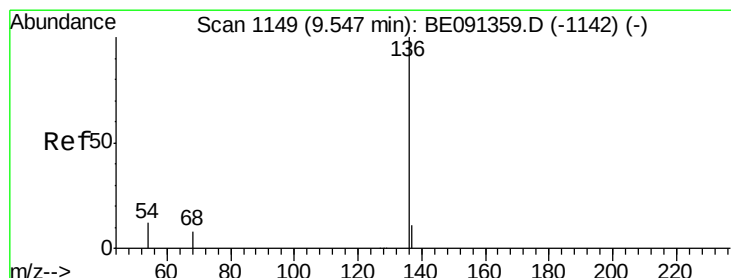
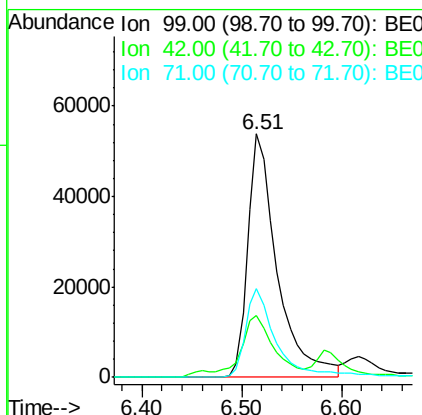
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#4

Naphthalene-d8

Concen: 5.00 ng

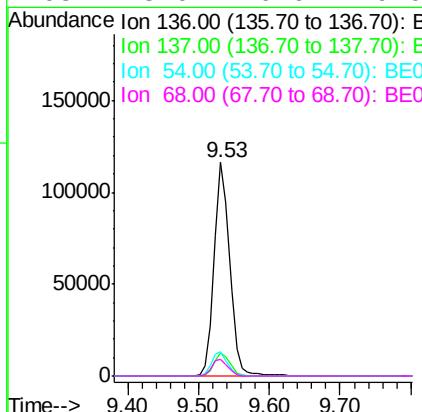
RT: 9.53 min Scan# 1147

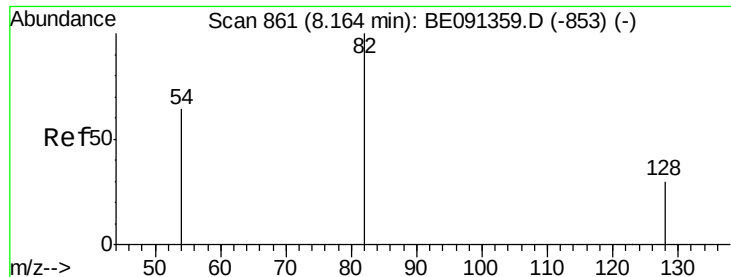
Delta R.T. -0.02 min

Lab File: BE091362.D

Acq: 14 Jan 2016 22:06

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	177947		
137	10.9	8.7	13.1	
54	11.3	9.8	14.6	
68	8.0	6.6	10.0	





#5

Nitrobenzene-d5

Concen: 13.70 ng

RT: 8.12 min Scan# 852

Delta R.T. -0.04 min

Lab File: BE091362.D

Acq: 14 Jan 2016 22:06

Instrument :

BNA_E

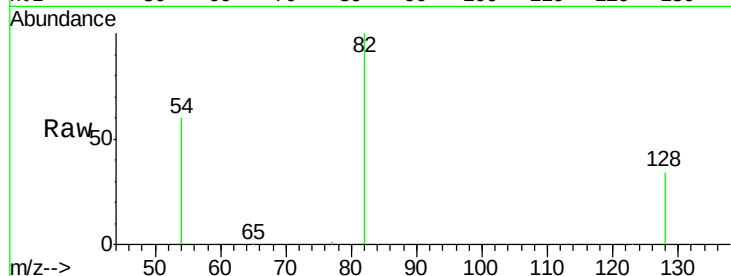
ClientSampleId :

SSTDIC010

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Tgt Ion	82	Resp	133471
Ion Ratio	Lower	Upper	
82	100		
128	34.3	24.6	36.8
54	59.7	52.7	79.1

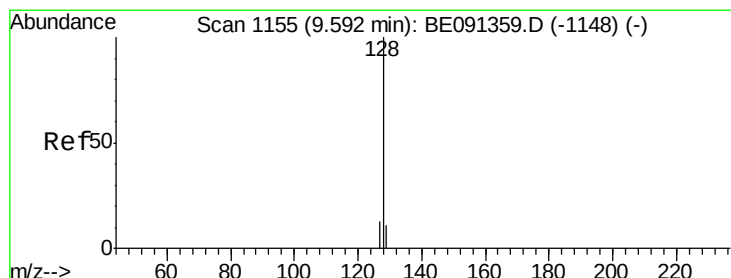
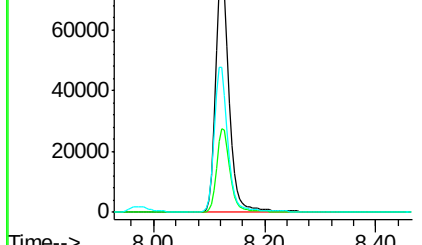
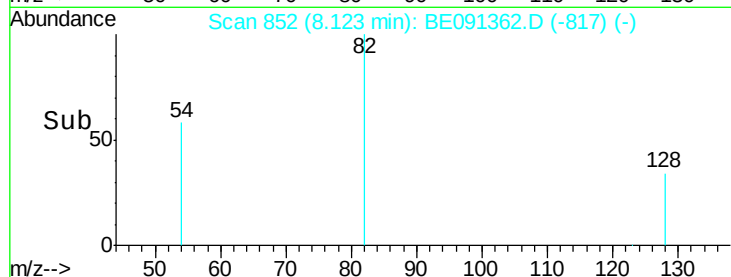


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Time-->



#6

Naphthalene

Concen: 9.87 ng

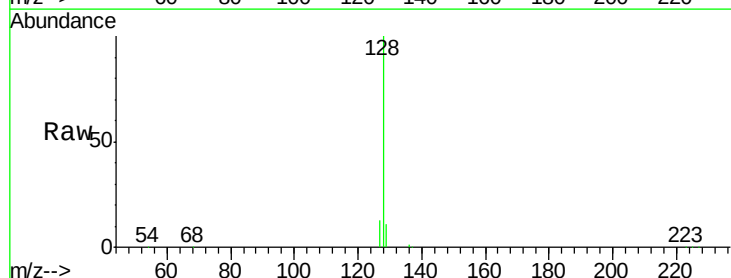
RT: 9.58 min Scan# 1153

Delta R.T. -0.02 min

Lab File: BE091362.D

Acq: 14 Jan 2016 22:06

Tgt Ion	128	Resp	380284
Ion Ratio	Lower	Upper	
128	100		
129	11.3	9.3	13.9
127	13.0	10.6	15.8

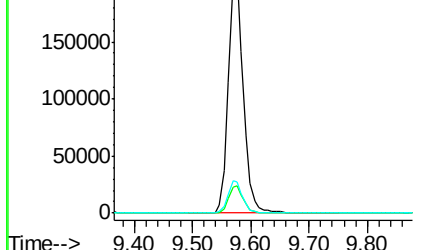
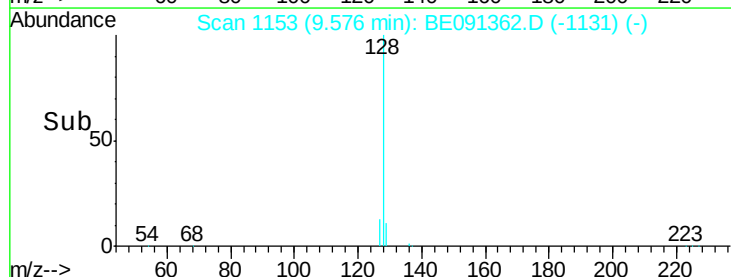


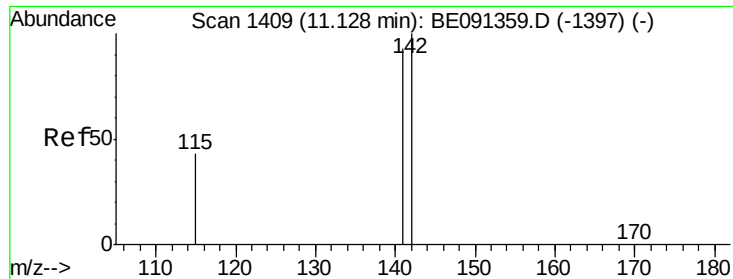
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

Time-->





#7

2-Methylnaphthalene

Concen: 11.47 ng

RT: 11.10 min Scan# 1402

Delta R.T. -0.03 min

Lab File: BE091362.D

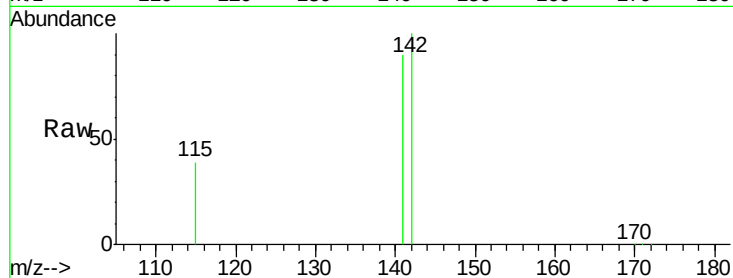
Acq: 14 Jan 2016 22:06

Instrument :

BNA_E

ClientSampleId :

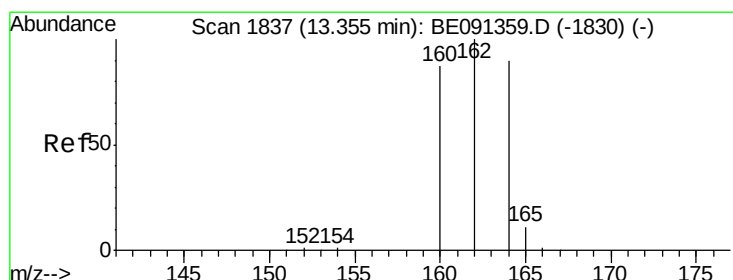
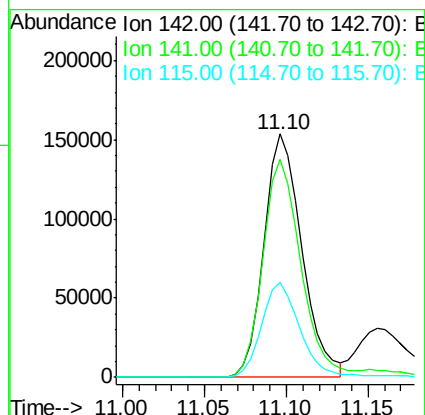
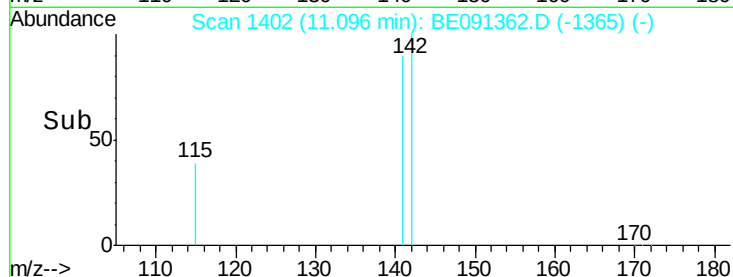
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Tgt Ion:	142	Resp:	246353
Ion Ratio	Lower	Upper	
142	100		
141	89.7	74.5	111.7
115	39.1	35.2	52.8

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#8

Acenaphthene-d10

Concen: 5.00 ng

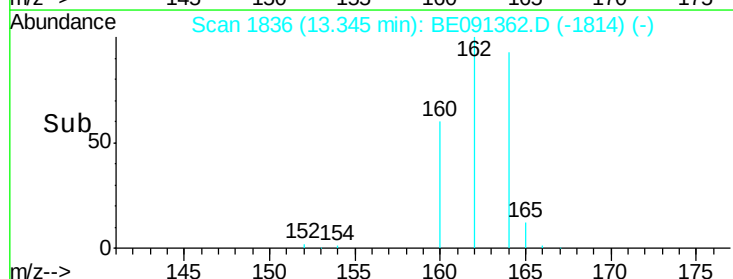
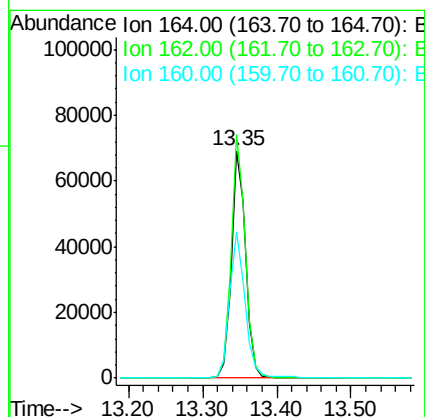
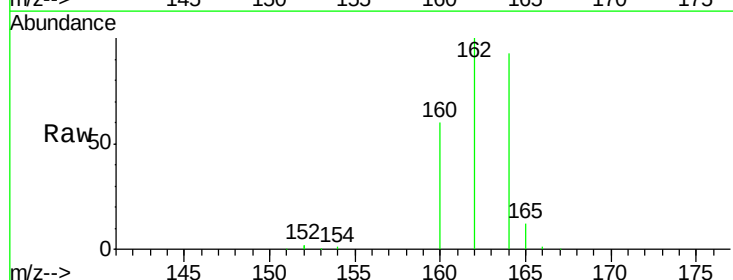
RT: 13.35 min Scan# 1836

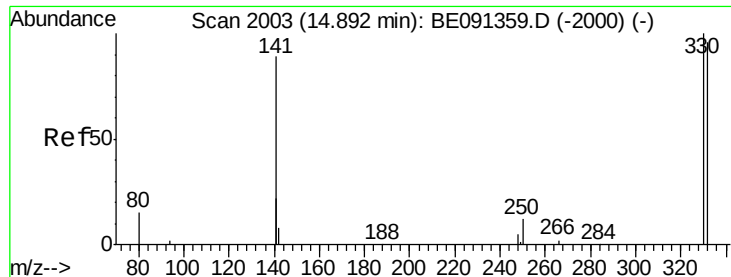
Delta R.T. -0.01 min

Lab File: BE091362.D

Acq: 14 Jan 2016 22:06

Tgt Ion:	164	Resp:	92265
Ion Ratio	Lower	Upper	
164	100		
162	107.1	88.5	132.7
160	64.5	76.7	115.1#





#9

2,4,6-Tribromophenol

Concen: 11.78 ng

RT: 14.88 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BE091362.D

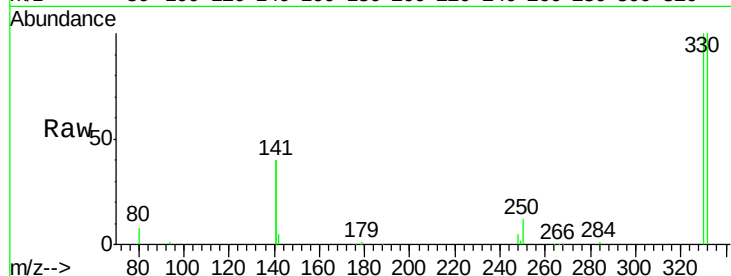
Acq: 14 Jan 2016 22:06

Instrument :

BNA_E

ClientSampled :

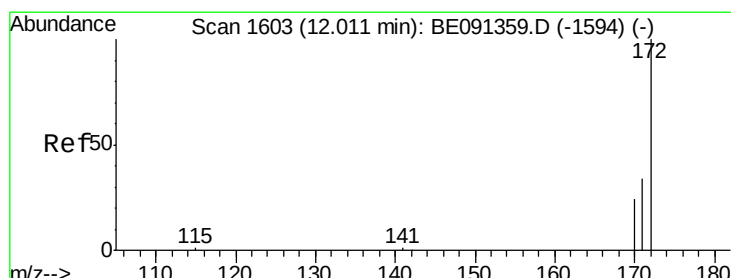
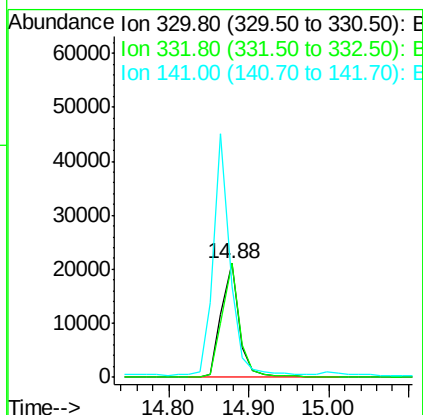
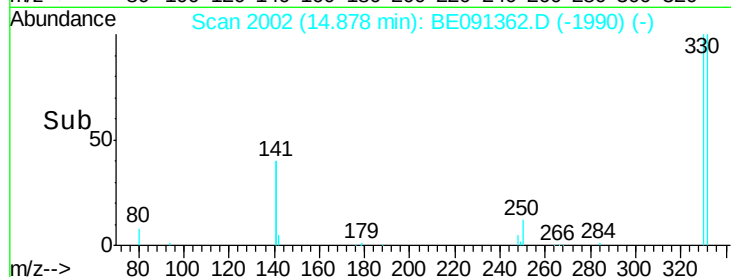
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Tgt Ion:	330	Resp:	33214
Ion Ratio	Lower	Upper	
330	100		
332	97.2	78.6	118.0
141	199.4	147.8	221.8

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#10

2-Fluorobiphenyl

Concen: 10.90 ng

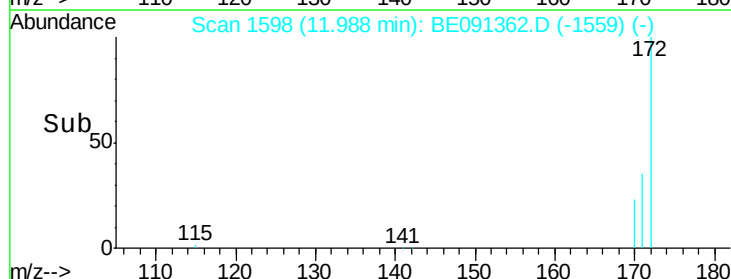
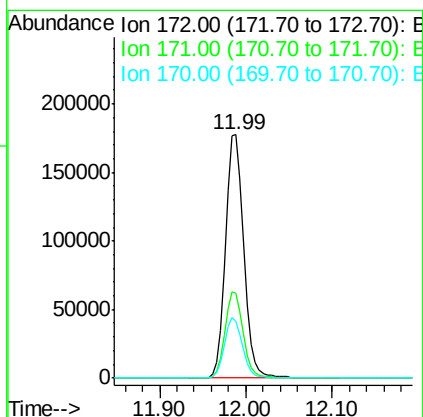
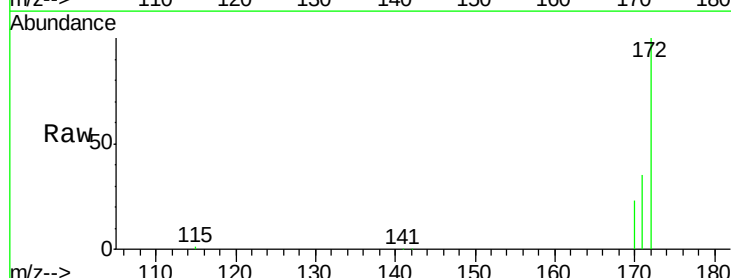
RT: 11.99 min Scan# 1598

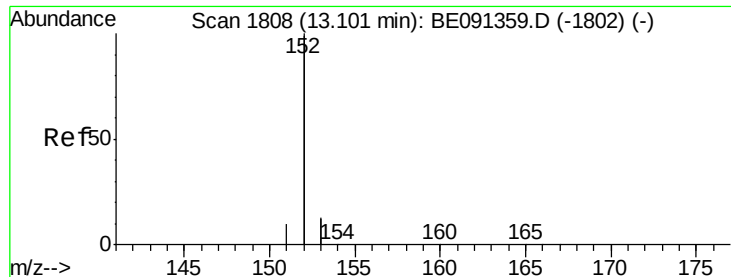
Delta R.T. -0.02 min

Lab File: BE091362.D

Acq: 14 Jan 2016 22:06

Tgt Ion:	172	Resp:	266386
Ion Ratio	Lower	Upper	
172	100		
171	34.6	27.3	40.9
170	23.3	19.8	29.6





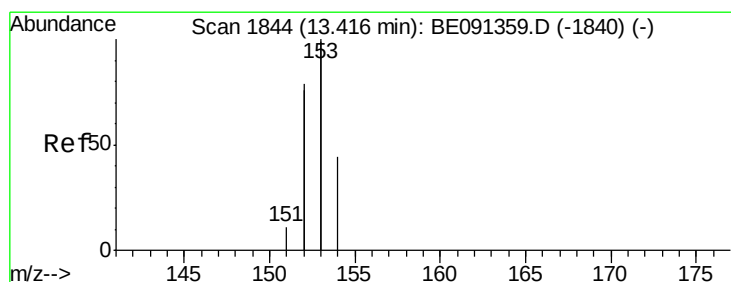
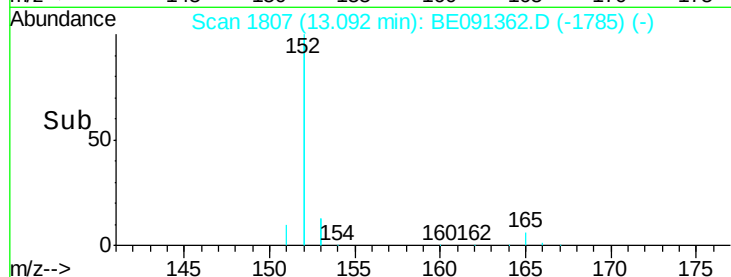
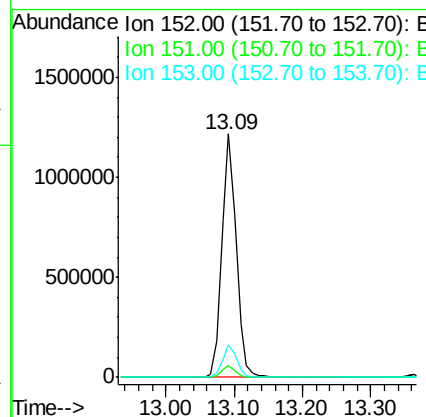
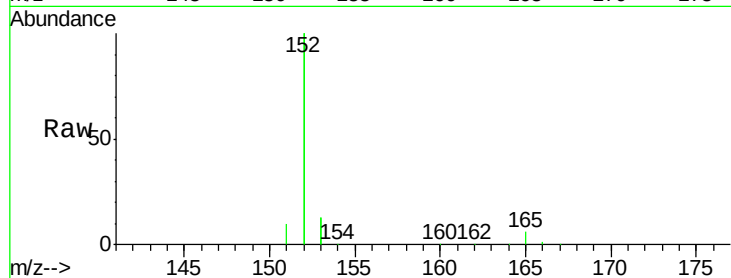
#11
Acenaphthylene
Concen: 11.87 ng
RT: 13.09 min Scan# 1807
Delta R.T. -0.01 min
Lab File: BE091362.D
Acq: 14 Jan 2016 22:06

Instrument :
BNA_E
ClientSampleId :
SSTDIC010

Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.8	5.8
153	13.2	10.1	15.1

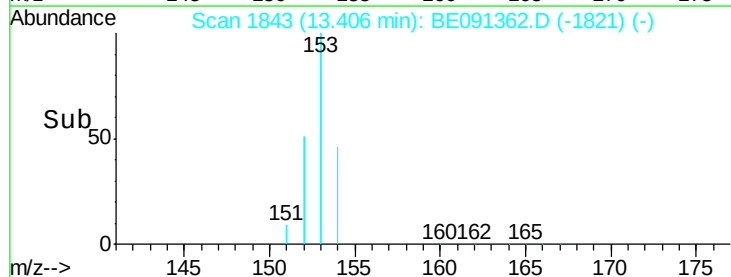
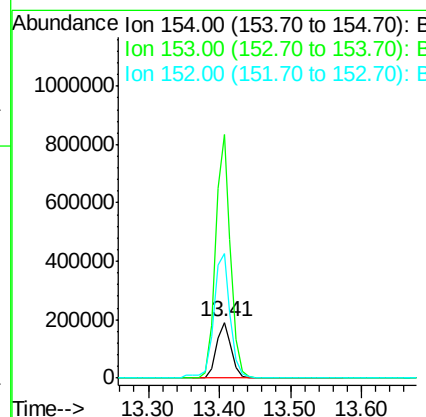
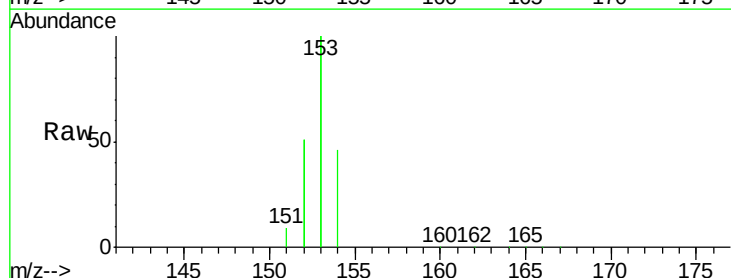
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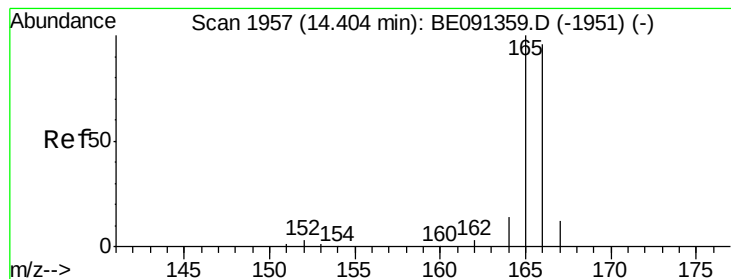
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#12
Acenaphthene
Concen: 11.20 ng
RT: 13.41 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BE091362.D
Acq: 14 Jan 2016 22:06

Tgt Ion	Ratio	Lower	Upper
154	100		
153	437.8	370.2	555.4
152	249.1	310.5	465.7





#13

Fluorene

Concen: 12.15 ng

RT: 14.39 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BE091362.D

Acq: 14 Jan 2016 22:06

Instrument :

BNA_E

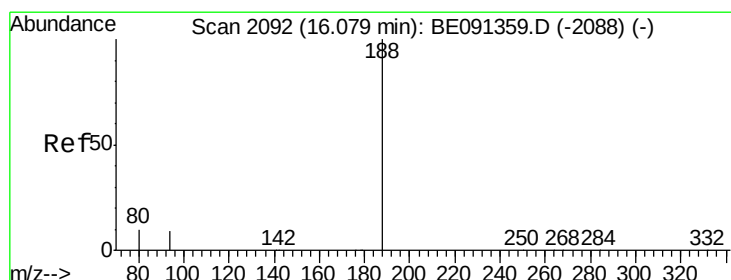
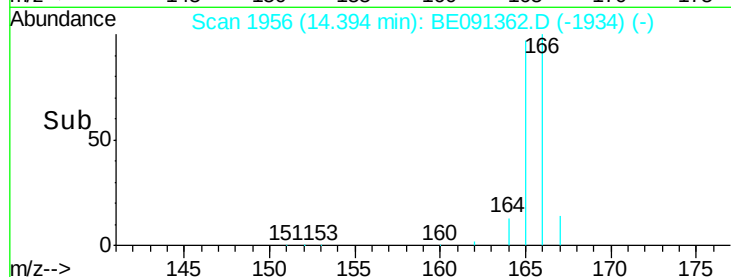
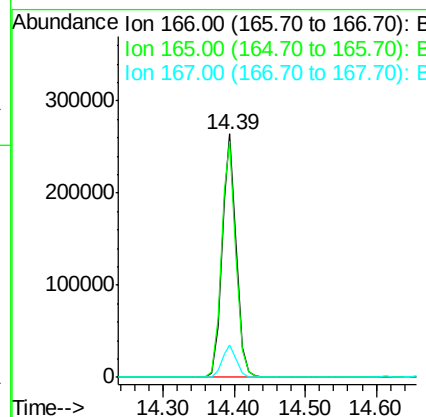
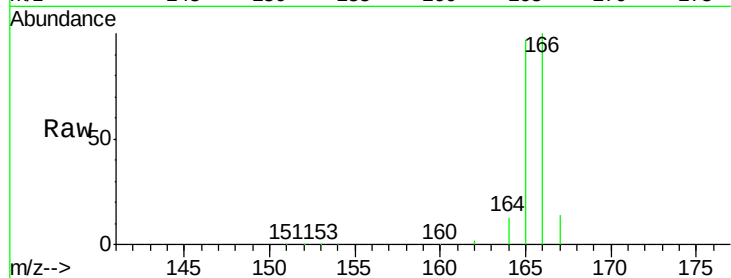
ClientSampleId :

SSTDICC010

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	99.1	83.0	124.6	
167	13.5	11.1	16.7	

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#14

Phenanthrene-d10

Concen: 5.00 ng

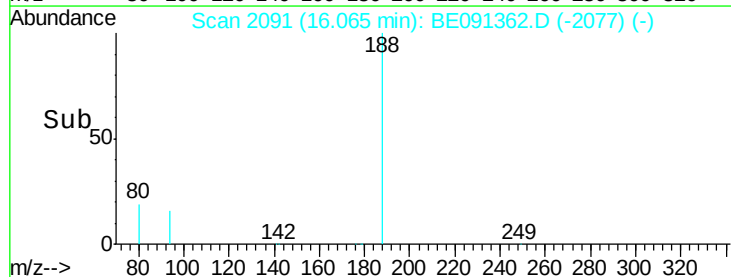
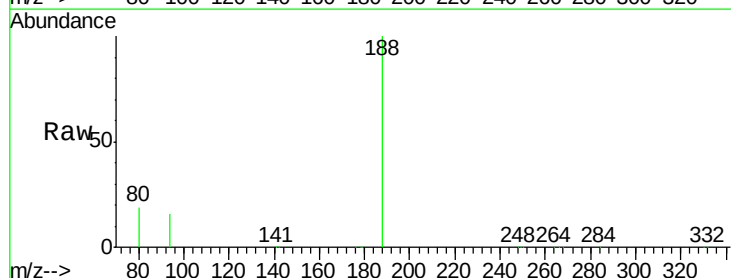
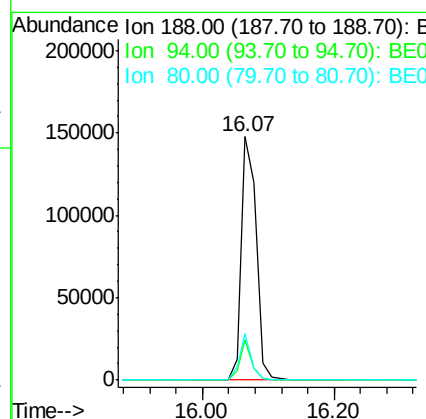
RT: 16.07 min Scan# 2091

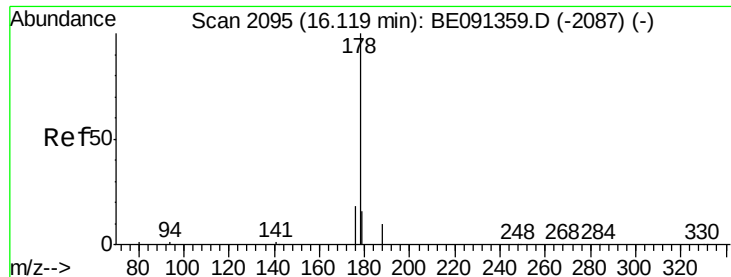
Delta R.T. -0.01 min

Lab File: BE091362.D

Acq: 14 Jan 2016 22:06

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	16.3	7.5	11.3#	
80	18.9	8.2	12.2#	





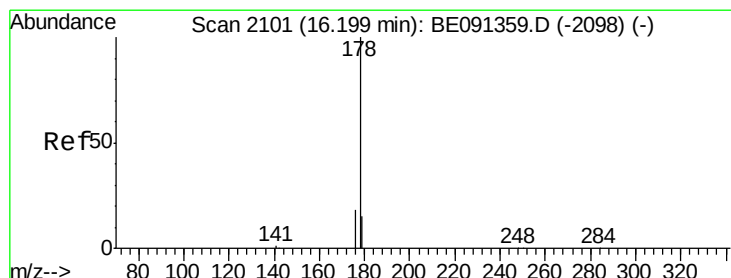
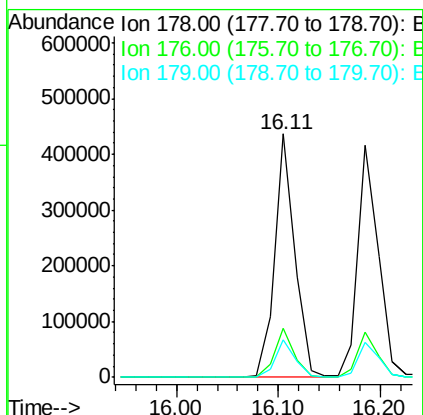
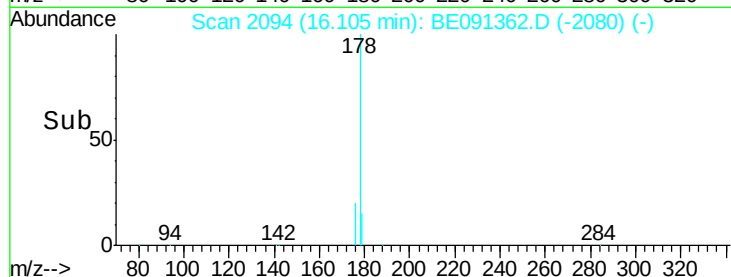
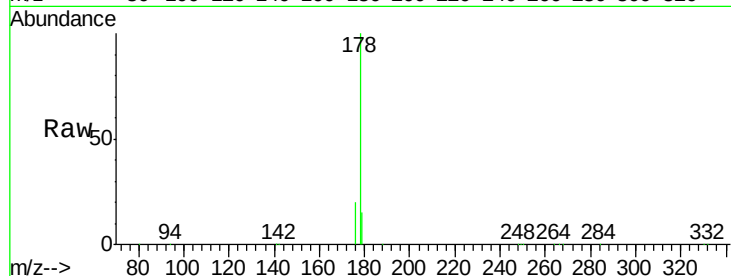
#15
Phenanthrene
Concen: 9.82 ng
RT: 16.11 min Scan# 2094
Delta R.T. -0.01 min
Lab File: BE091362.D
Acq: 14 Jan 2016 22:06

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.4	23.2
179	15.5	12.8	19.2

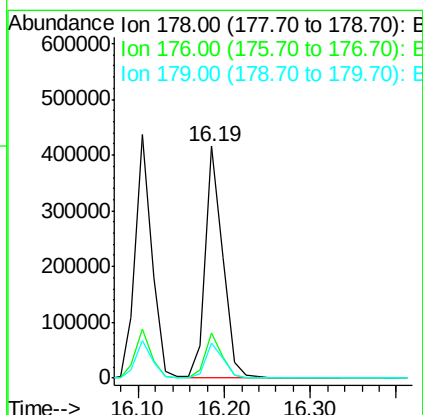
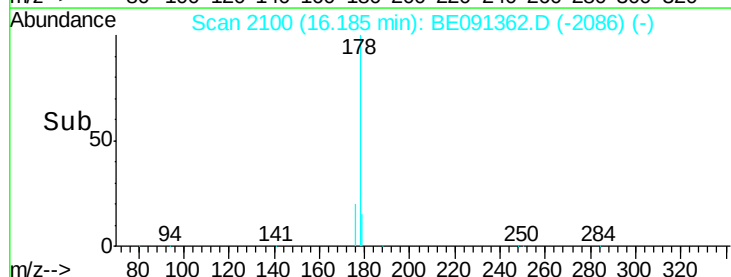
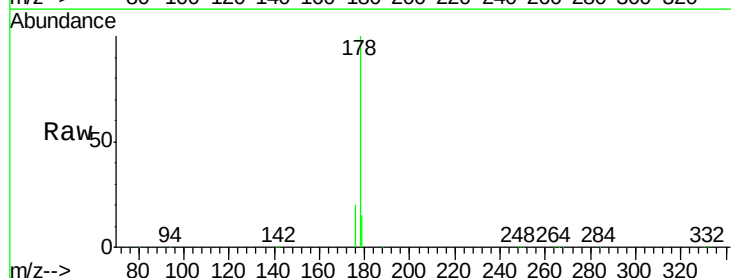
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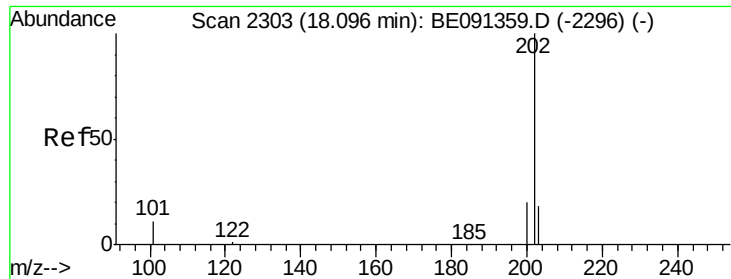
mohammad
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#16
Anthracene
Concen: 11.13 ng
RT: 16.19 min Scan# 2100
Delta R.T. -0.01 min
Lab File: BE091362.D
Acq: 14 Jan 2016 22:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.0	22.6
179	15.6	12.4	18.6





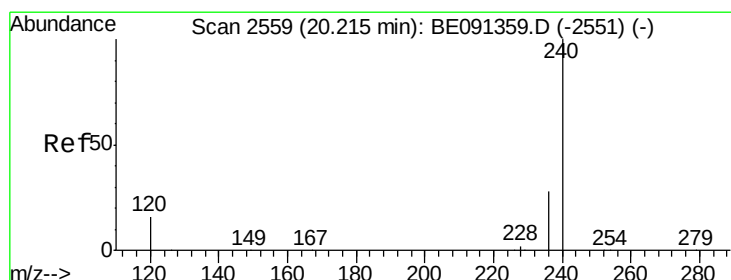
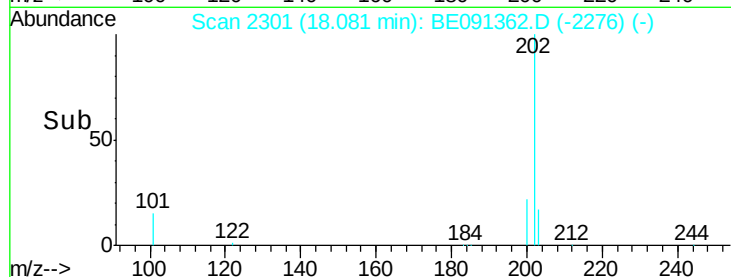
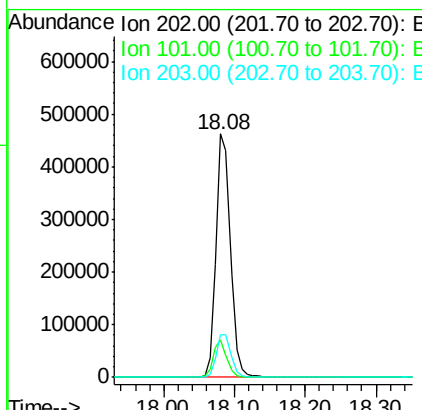
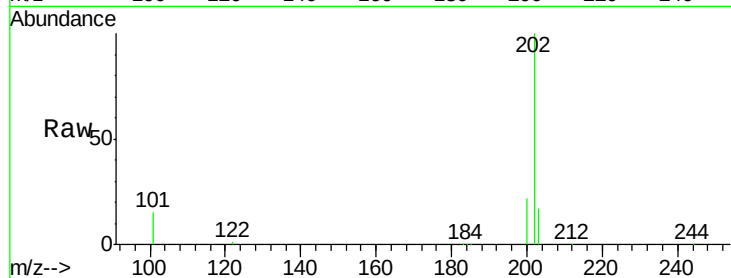
#17
 Fluoranthene
 Concen: 9.28 ng
 RT: 18.08 min Scan# 2301
 Delta R.T. -0.02 min
 Lab File: BE091362.D
 Acq: 14 Jan 2016 22:06

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	645639		
101	14.6	11.0	16.4	
203	17.7	13.9	20.9	

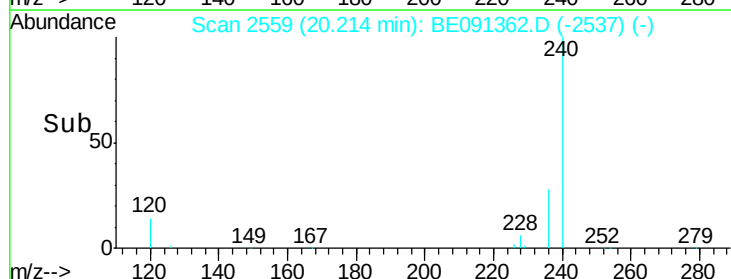
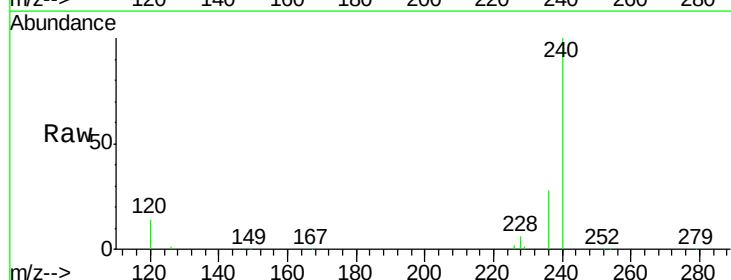
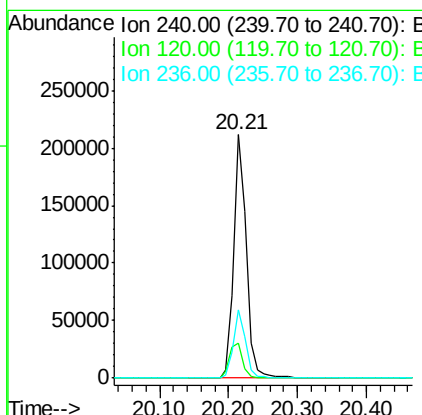
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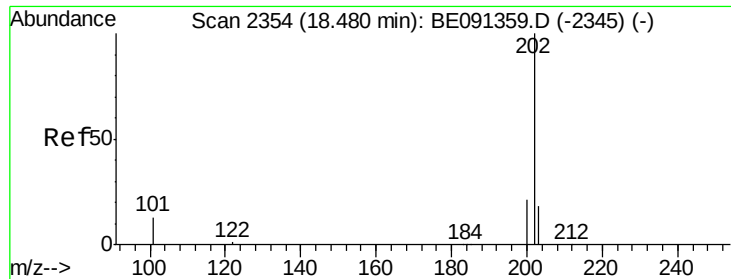
mohammad
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#18
 Chrysene-d12
 Concen: 5.00 ng
 RT: 20.21 min Scan# 2559
 Delta R.T. -0.00 min
 Lab File: BE091362.D
 Acq: 14 Jan 2016 22:06

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	262761		
120	14.4	12.6	19.0	
236	27.8	22.7	34.1	





#19

Pyrene

Concen: 10.79 ng

RT: 18.46 min Scan# 2352

Delta R.T. -0.02 min

Lab File: BE091362.D

Acq: 14 Jan 2016 22:06

Instrument :

BNA_E

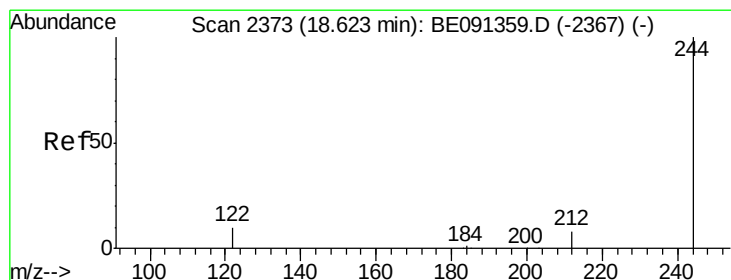
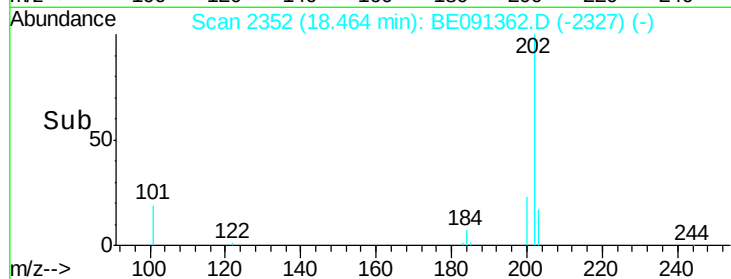
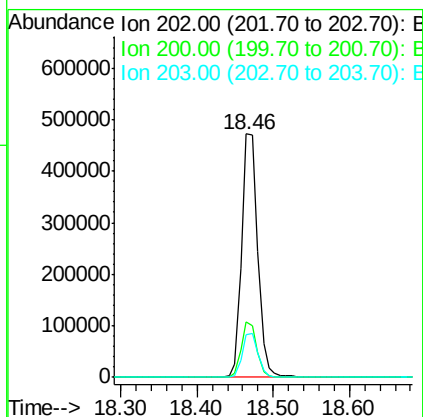
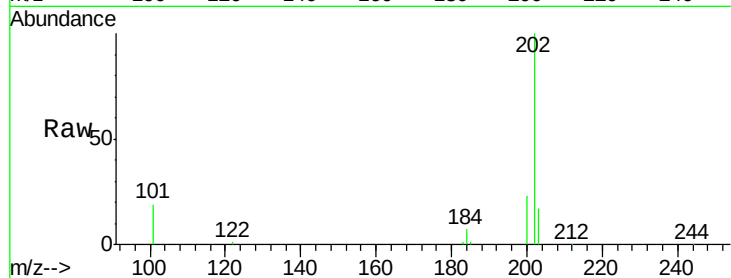
ClientSampleId :

SSTDIC010

Tgt	Ion	202	Resp:	691941
Ion	Ratio	Lower	Upper	
202	100			
200	21.8	17.2	25.8	
203	17.7	14.2	21.4	

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#20

Terphenyl-d14

Concen: 12.23 ng

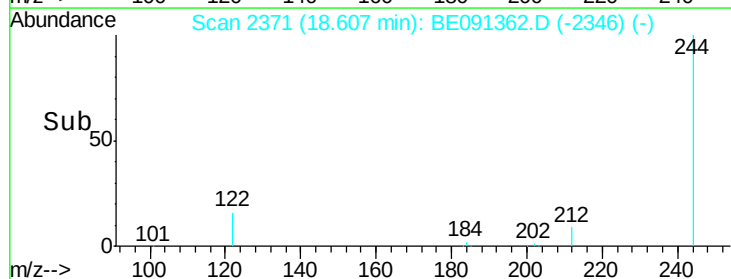
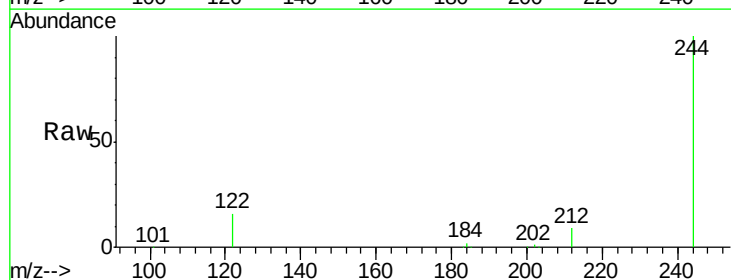
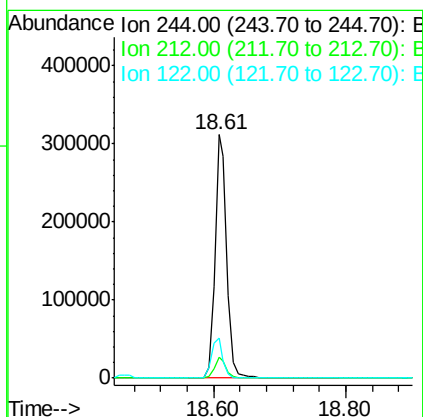
RT: 18.61 min Scan# 2371

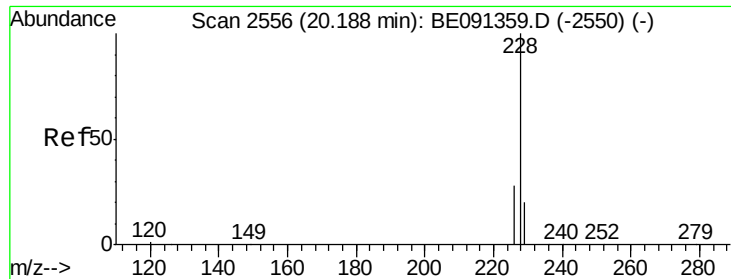
Delta R.T. -0.02 min

Lab File: BE091362.D

Acq: 14 Jan 2016 22:06

Tgt	Ion	244	Resp:	393493
Ion	Ratio	Lower	Upper	
244	100			
212	8.6	7.0	10.4	
122	16.3	8.5	12.7#	





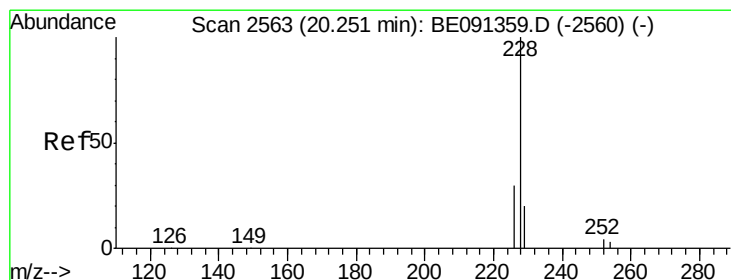
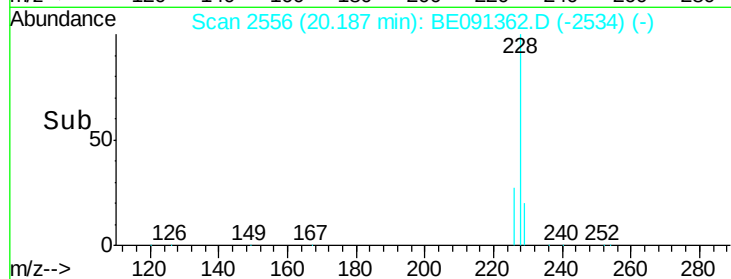
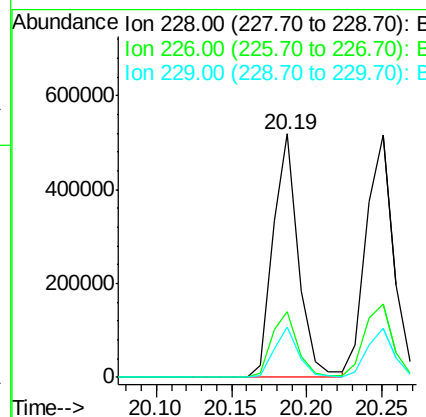
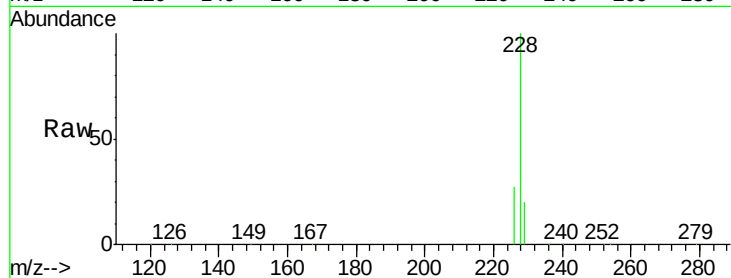
#21
Benzo(a)anthracene
Concen: 10.39 ng
RT: 20.19 min Scan# 2556
Delta R.T. -0.00 min
Lab File: BE091362.D
Acq: 14 Jan 2016 22:06

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.5	33.7
229	20.5	16.2	24.4

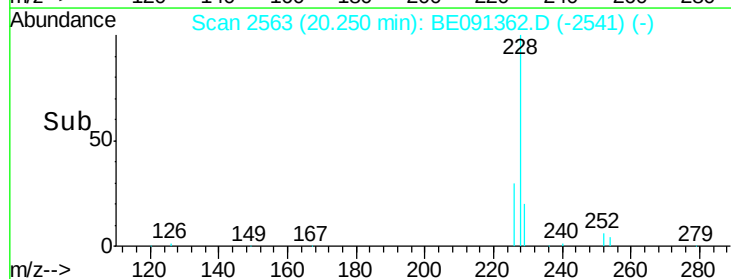
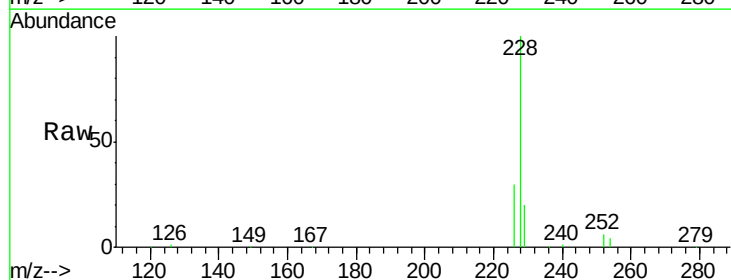
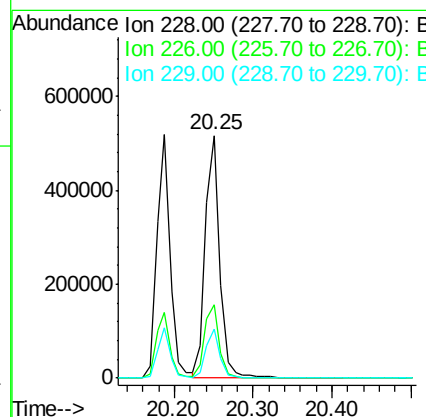
Manual Integrations
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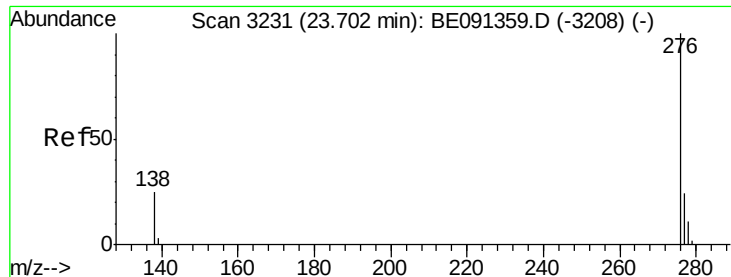
mohammad
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#22
Chrysene
Concen: 8.44 ng
RT: 20.25 min Scan# 2563
Delta R.T. -0.00 min
Lab File: BE091362.D
Acq: 14 Jan 2016 22:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.7	35.5
229	20.2	16.0	24.0





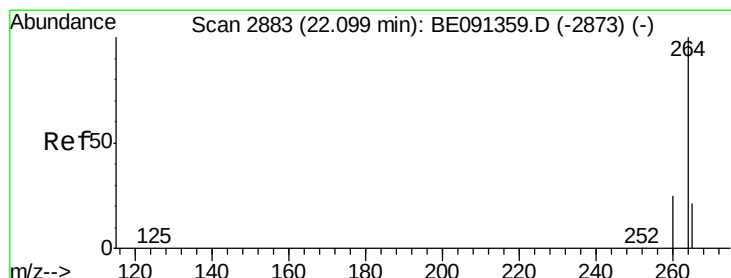
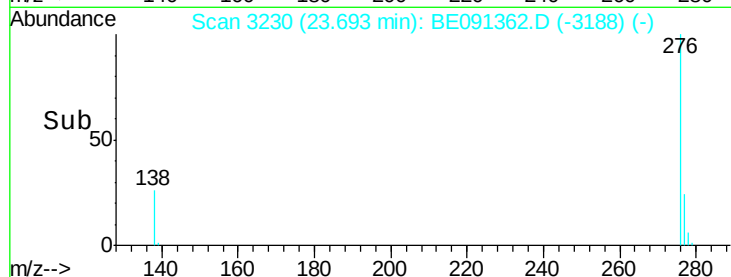
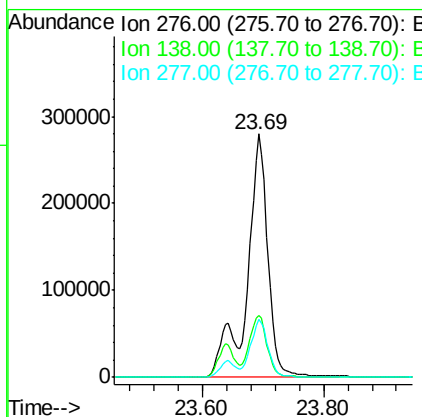
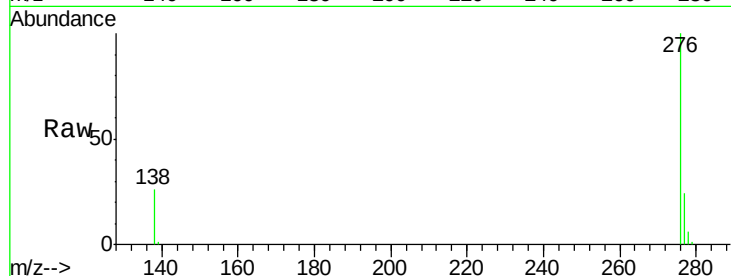
#23
Indeno(1,2,3-cd)pyrene
Concen: 11.00 ng m
RT: 23.69 min Scan# 3230
Delta R.T. -0.01 min
Lab File: BE091362.D
Acq: 14 Jan 2016 22:06

Instrument :
BNA_E
ClientSampleId :
SSTDIC010

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	21.3	18.6	27.8
277	19.5	16.5	24.7

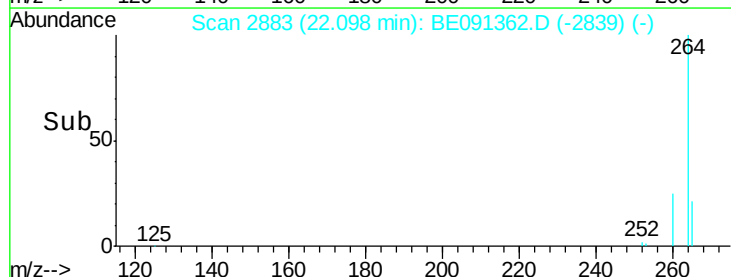
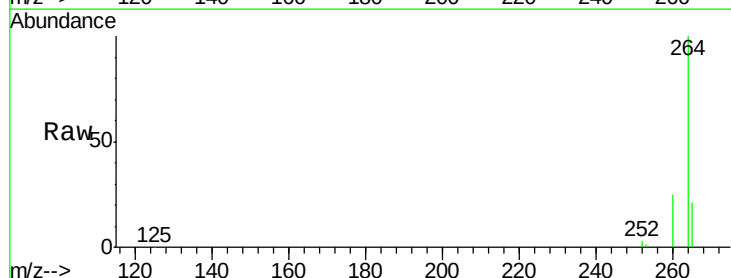
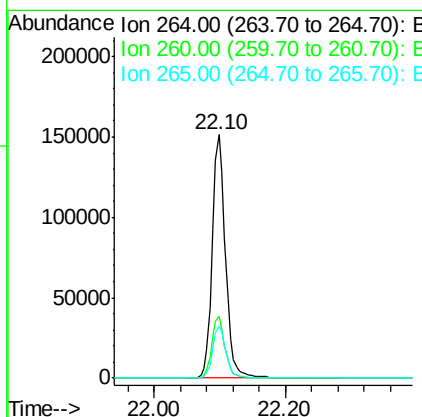
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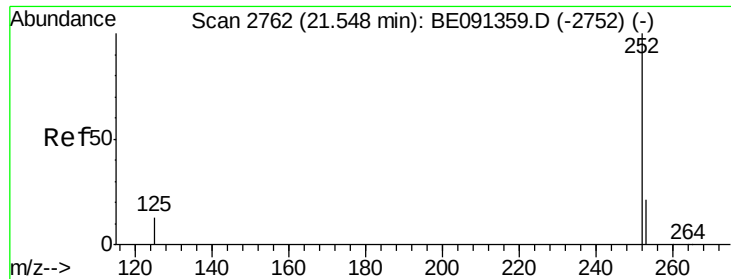
mohammad
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#24
Perylene-d12
Concen: 5.00 ng
RT: 22.10 min Scan# 2883
Delta R.T. -0.00 min
Lab File: BE091362.D
Acq: 14 Jan 2016 22:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	25.4	20.4	30.6
265	21.4	17.2	25.8





#25

Benzo(b)fluoranthene

Concen: 12.09 ng

RT: 21.54 min Scan# 2761

Delta R.T. -0.01 min

Lab File: BE091362.D

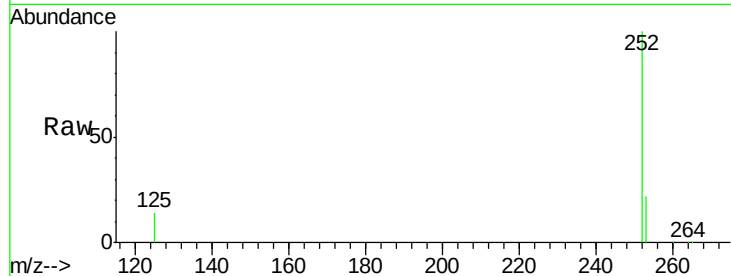
Acq: 14 Jan 2016 22:06

Instrument :

BNA_E

ClientSampleId :

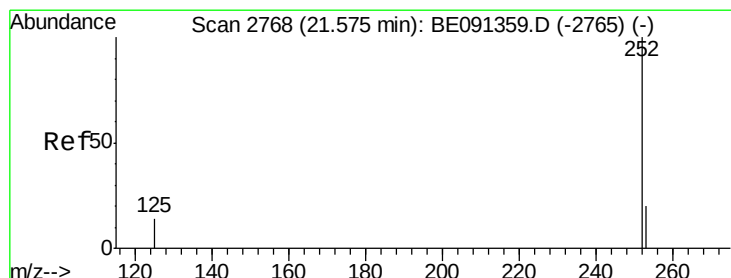
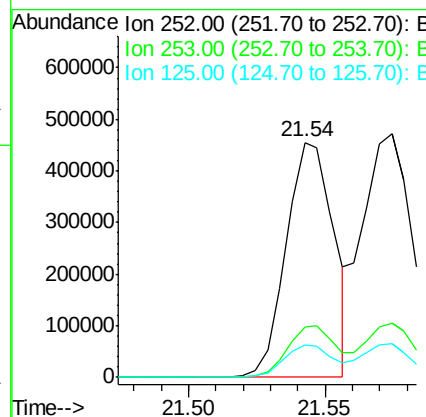
SSTDICC010



Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	14.0	11.0	16.6

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#26

Benzo(k)fluoranthene

Concen: 10.16 ng

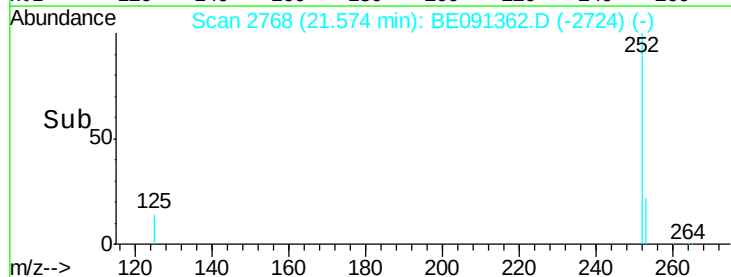
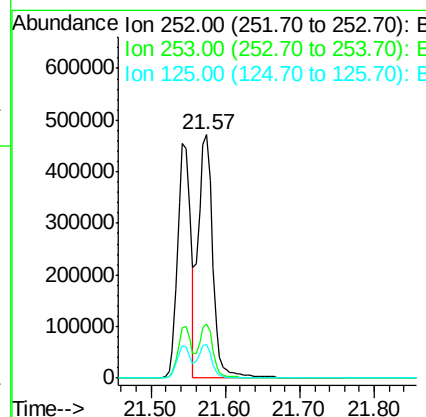
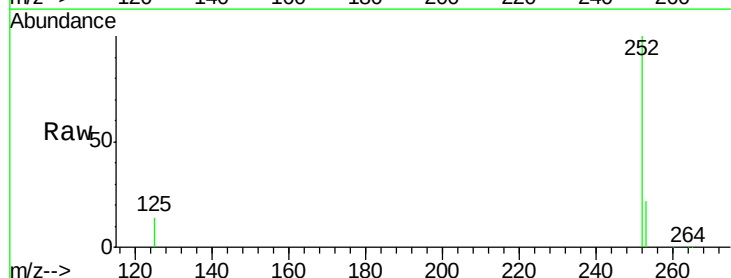
RT: 21.57 min Scan# 2768

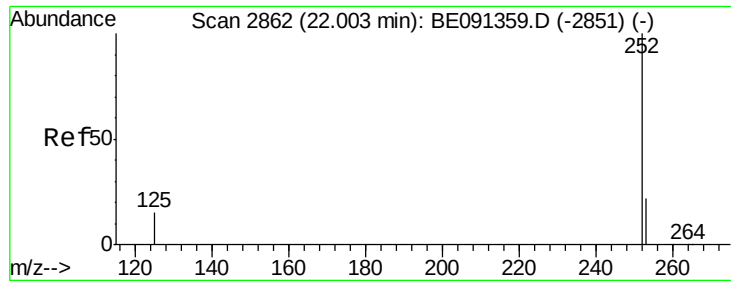
Delta R.T. -0.00 min

Lab File: BE091362.D

Acq: 14 Jan 2016 22:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	13.8	11.3	16.9





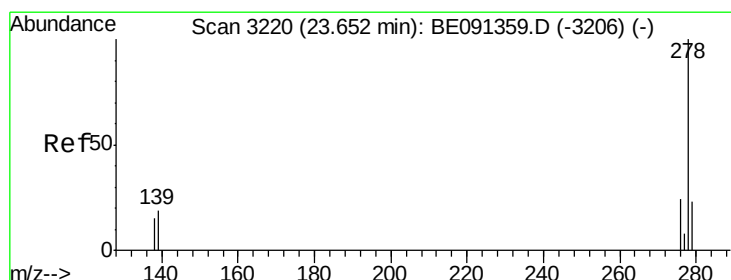
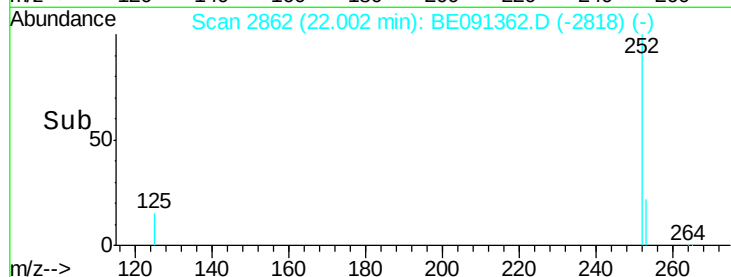
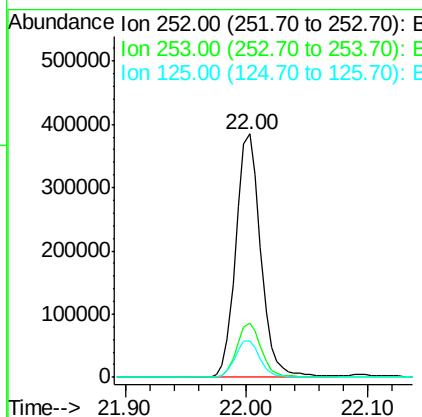
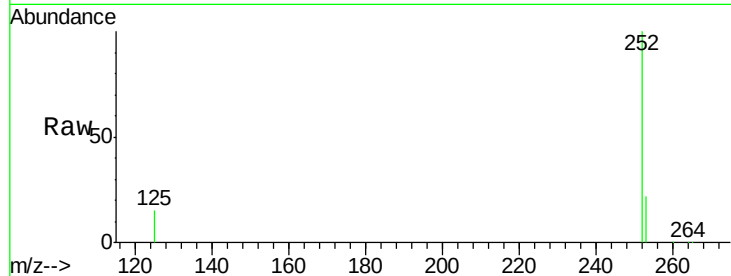
#27
Benzo(a)pyrene
Concen: 12.62 ng
RT: 22.00 min Scan# 2862
Delta R.T. -0.00 min
Lab File: BE091362.D
Acq: 14 Jan 2016 22:06

Instrument :
BNA_E
ClientSampleId :
SSTDIC010

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	15.0	12.2	18.4

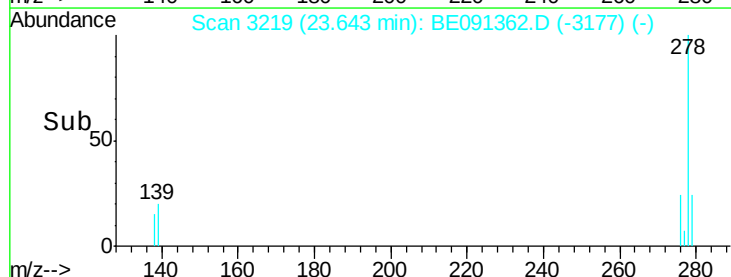
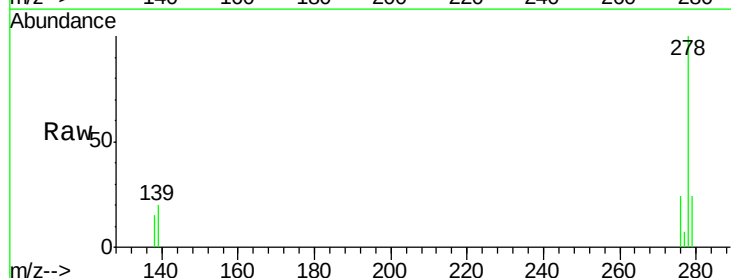
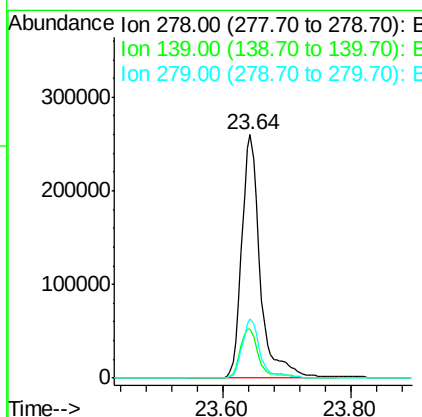
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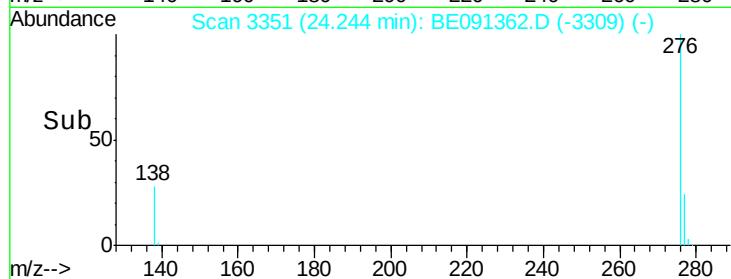
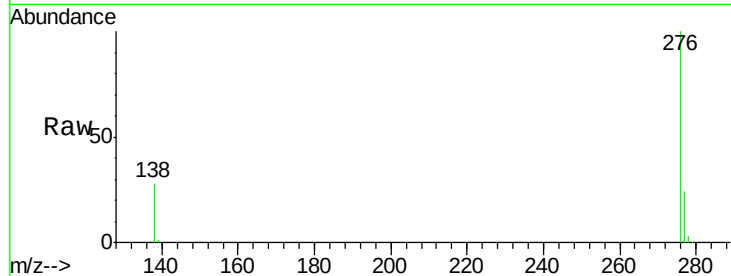
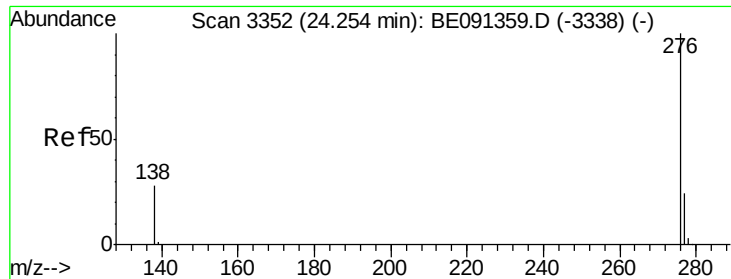
mohammad
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#28
Dibenzo(a,h)anthracene
Concen: 12.61 ng
RT: 23.64 min Scan# 3219
Delta R.T. -0.01 min
Lab File: BE091362.D
Acq: 14 Jan 2016 22:06

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.2	16.3	24.5
279	24.2	19.4	29.2





#29

Benzo(g,h,i)perylene

Concen: 12.21 ng

RT: 24.24 min Scan# 3351

Delta R.T. -0.01 min

Lab File: BE091362.D

Acq: 14 Jan 2016 22:06

Instrument :

BNA_E

ClientSampleId :

SSTDIC010

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100				
277	23.7	19.8	29.6		
138	27.7	23.3	34.9		

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