

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\
 Data File : BF096298.D
 Acq On : 29 Jun 2017 18:17
 Operator : SJ/MA
 Sample : I3925-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-062617

Manual Integrations
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mohammad
 6/30/2017 2:52:00 PM

Quant Time: Jun 30 12:22:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	186663	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	771899	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	331323	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	497658	20.00	ng	0.00
75) Chrysene-d12	13.92	240	291502	20.00	ng	0.00
86) Perylene-d12	15.35	264	342132	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1348646	104.09	ng	0.01
7) Phenol-d6	6.40	99	1683821	107.33	ng	0.01
23) Nitrobenzene-d5	7.33	82	983097	88.17	ng	-0.03
41) 2,4,6-Tribromophenol	10.59	330	318760	122.25	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	1445538	79.90	ng	-0.02
78) Terphenyl-d14	12.87	244	898013	76.87	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.66	152	91179	2.61	ng	97
49) Dimethylphthalate	9.52	163	297663	12.55	ng	100
51) Acenaphthene	9.83	154	77754	3.78	ng	97
54) Dibenzofuran	10.00	168	61051	2.27	ng	96
70) Phenanthrene	11.31	178	1195298	48.49	ng	99
71) Anthracene	11.36	178	416700	14.98	ng	98
72) Carbazole	11.51	167	76492	2.49	ng	96
74) Fluoranthene	12.50	202	1798337	65.05	ng	98
77) Pyrene	12.73	202	1561027	65.16	ng	100
80) Benzo(a)anthracene	13.91	228	802291	45.15	ng	98
82) Chrysene	13.95	228	668200	36.36	ng	97
85) Indeno(1,2,3-cd)pyrene	16.74	276	531598	34.85	ng	95
87) Benzo(b)fluoranthene	14.94	252	949058m	42.23	ng	
88) Benzo(k)fluoranthene	14.96	252	363195m	17.70	ng	
89) Benzo(a)pyrene	15.29	252	723365	36.44	ng	97
90) Dibenzo(a,h)anthracene	16.75	278	125298m	8.06	ng	
91) Benzo(g,h,i)perylene	17.17	276	475324	29.42	ng	96

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

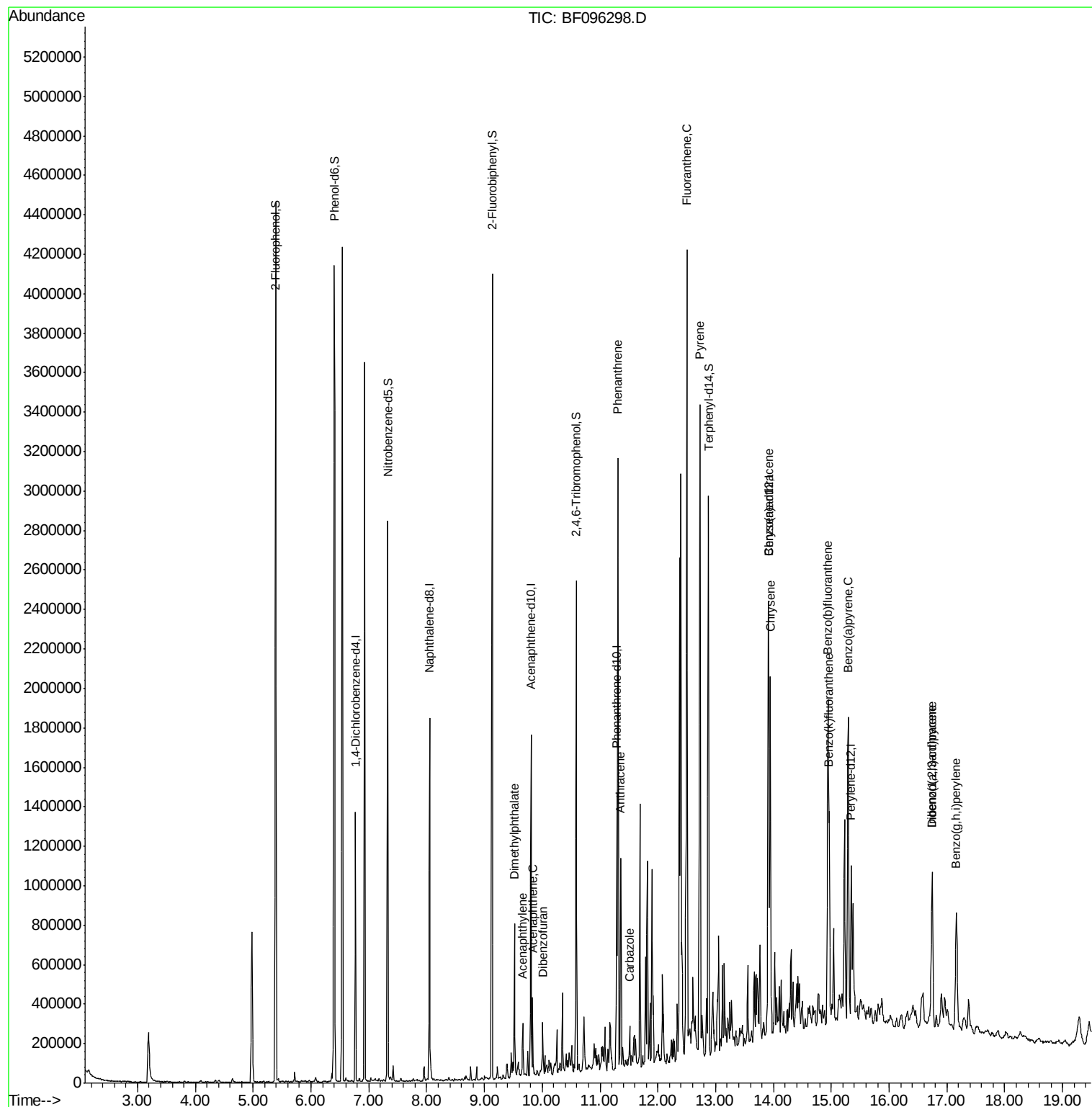
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\
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#1

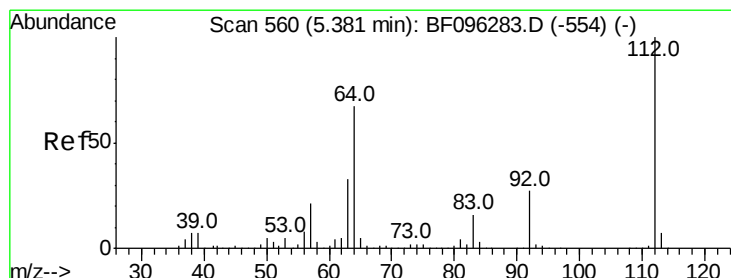
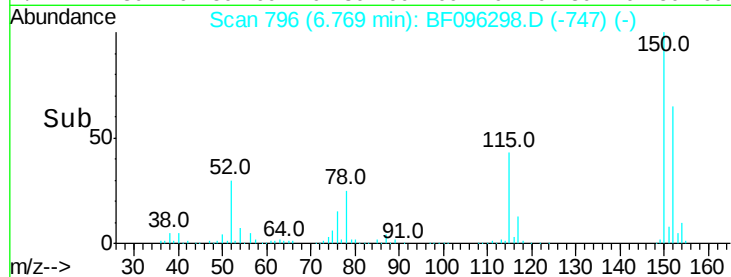
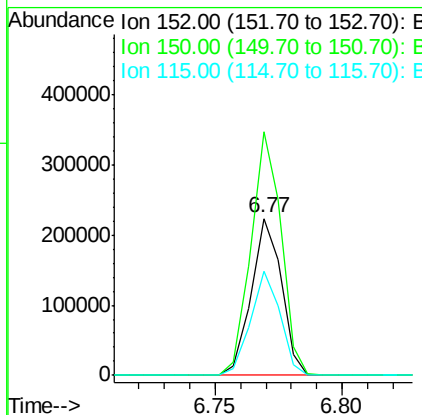
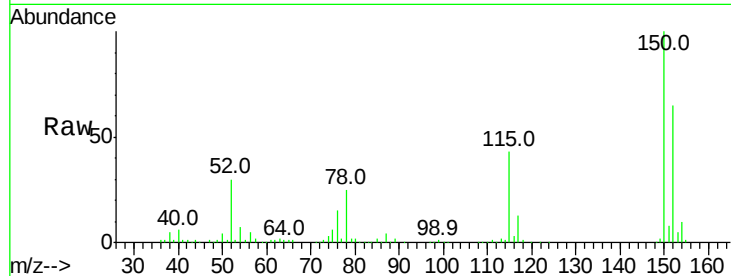
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF096298.D
Acq: 29 Jun 2017 18:17

Instrument :
BNA_F
ClientSampleId :
HD-01-062617

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	126.2	189.2
115	66.1	52.2	78.2

Manual Integrations
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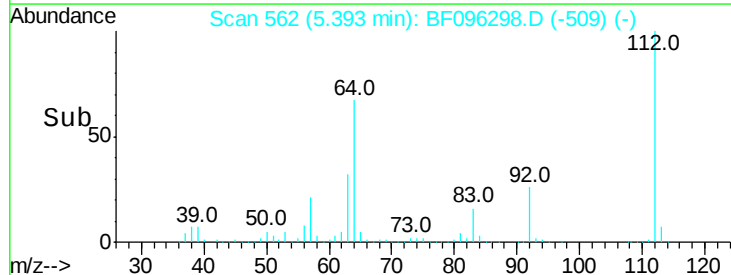
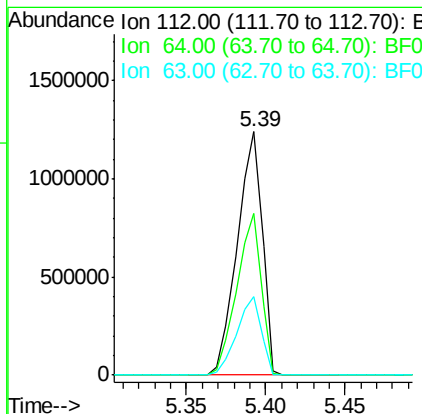
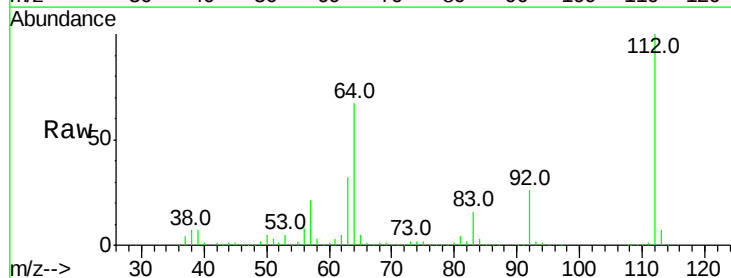
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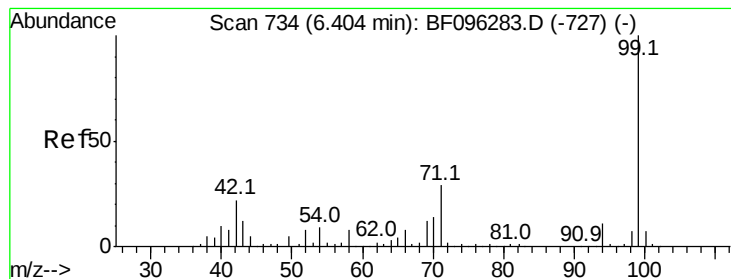


#5

2-Fluorophenol
Concen: 104.09 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF096298.D
Acq: 29 Jun 2017 18:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.6	46.0	69.0
63	32.4	23.4	35.0





#7

Phenol-d6

Concen: 107.33 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF096298.D

Acq: 29 Jun 2017 18:17

Instrument :

BNA_F

ClientSampleId :

HD-01-062617

Tot Ion: 99 Resp: 1683821

Ion Ratio Lower Upper

99 100

42 22.4 13.5 20.3#

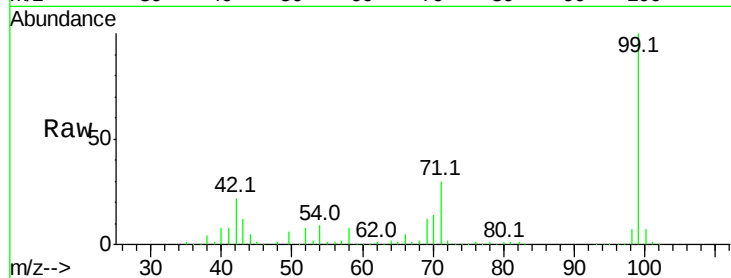
71 30.5 24.5 36.7

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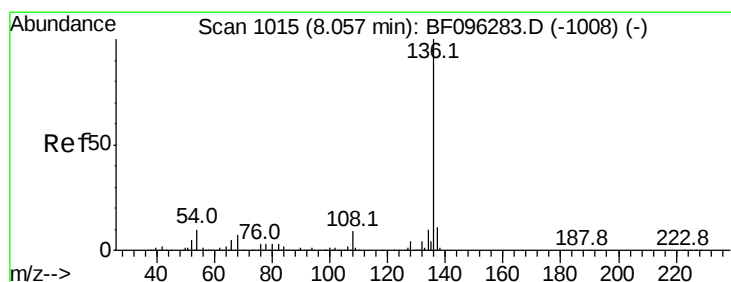
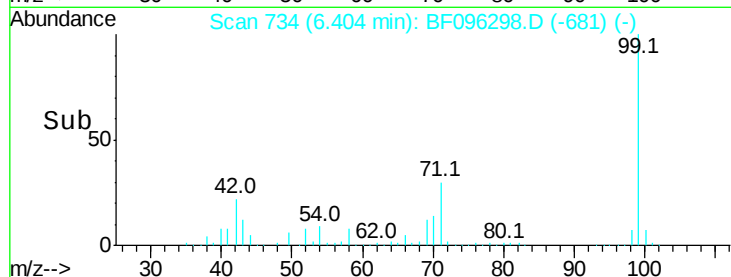
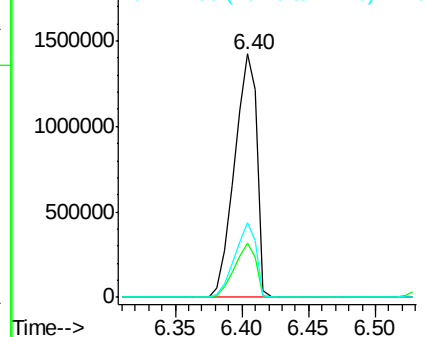
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF096298.D

Acq: 29 Jun 2017 18:17

Tgt Ion: 136 Resp: 771899

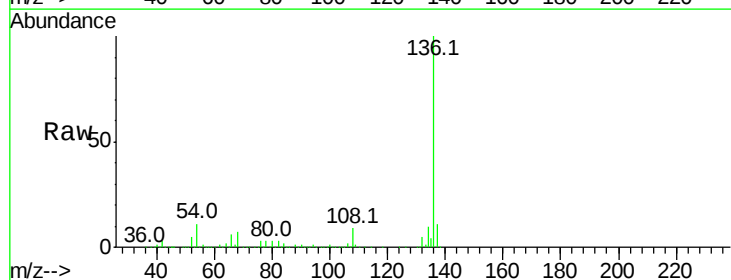
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 11.0 4.9 7.3#

68 6.6 4.1 6.1#

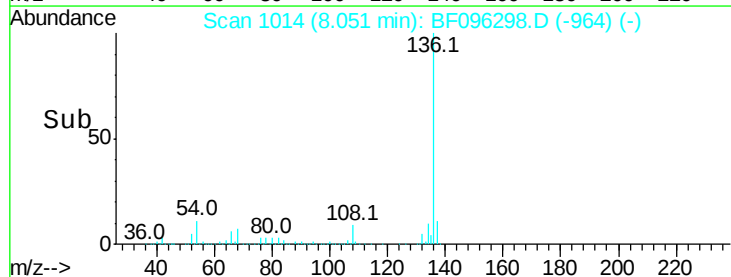
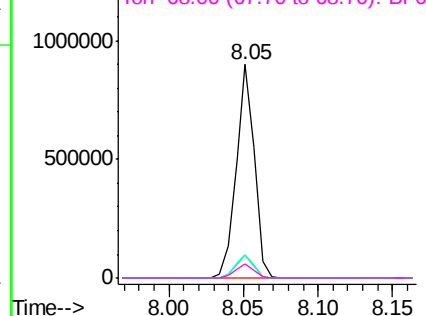


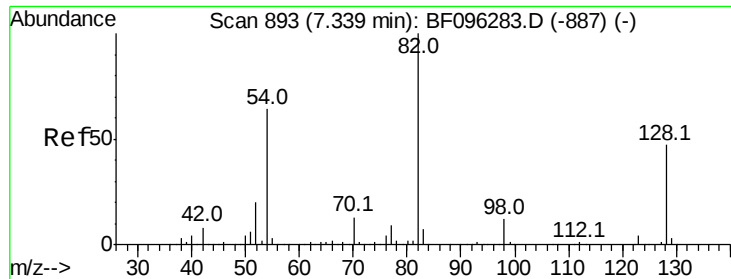
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





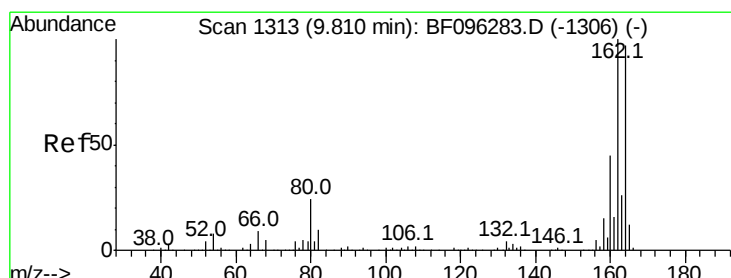
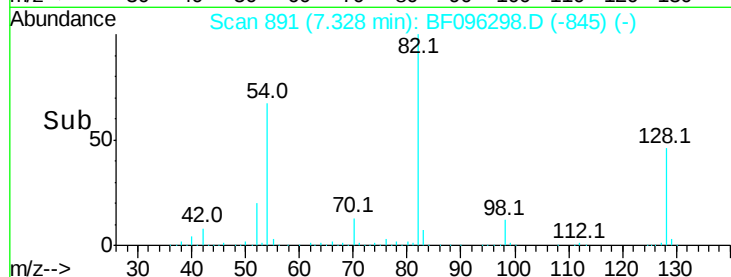
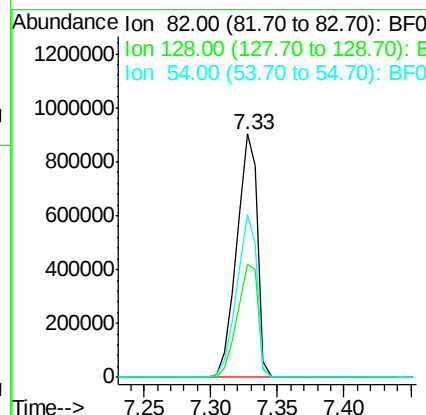
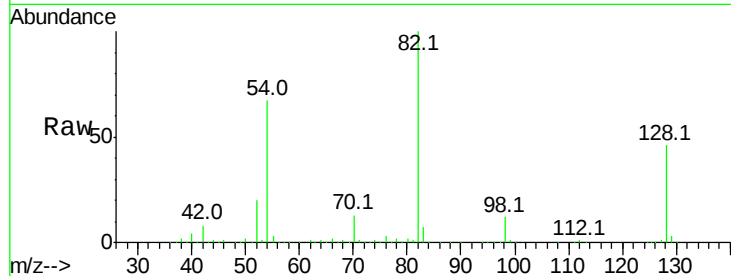
#23
 Nitrobenzene-d5
 Concen: 88.17 ng
 RT: 7.33 min Scan# 891
 Delta R.T. -0.03 min
 Lab File: BF096298.D
 Acq: 29 Jun 2017 18:17

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-062617

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.4	34.0	51.0
54	67.2	42.2	63.2

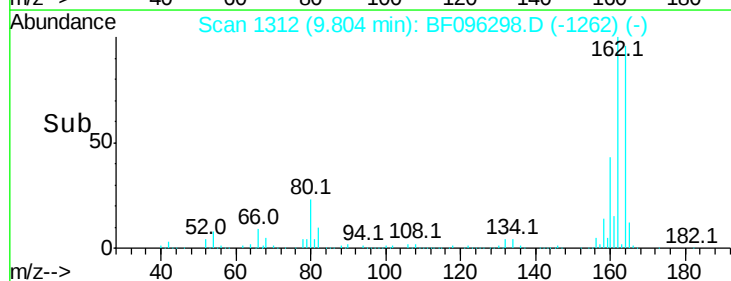
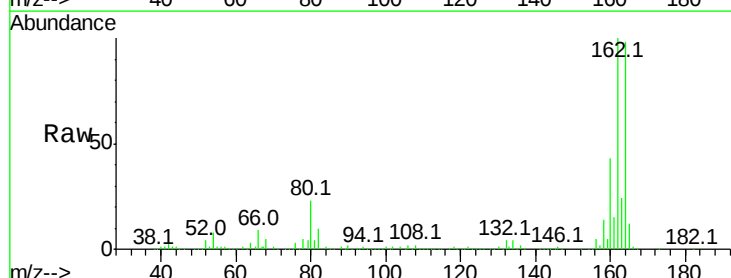
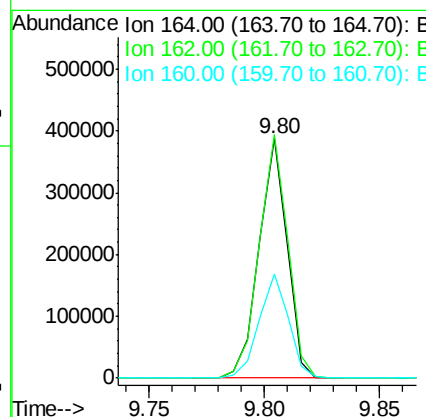
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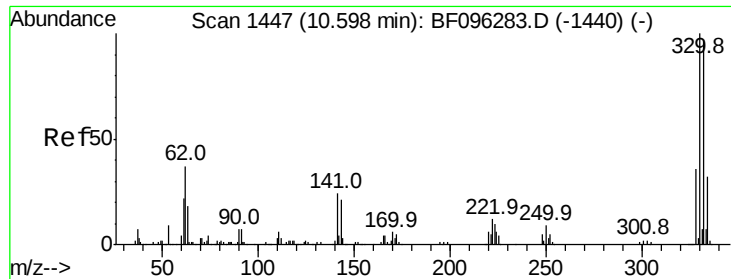
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.01 min
 Lab File: BF096298.D
 Acq: 29 Jun 2017 18:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.6	123.8
160	43.4	36.2	54.2





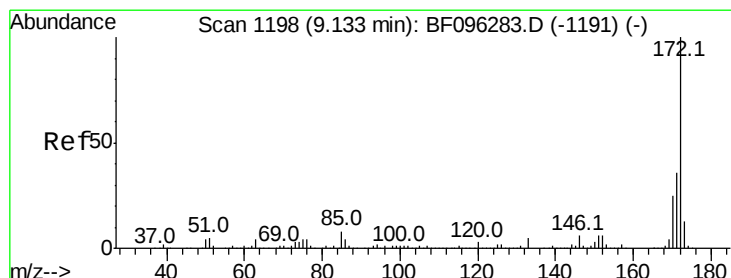
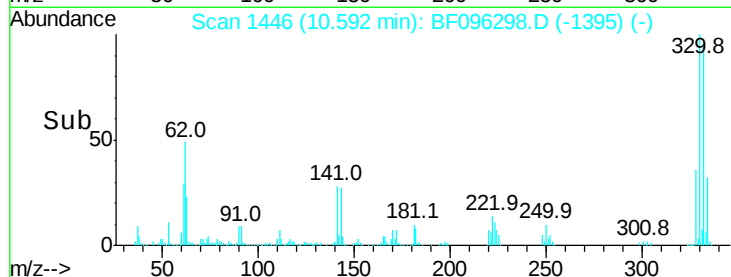
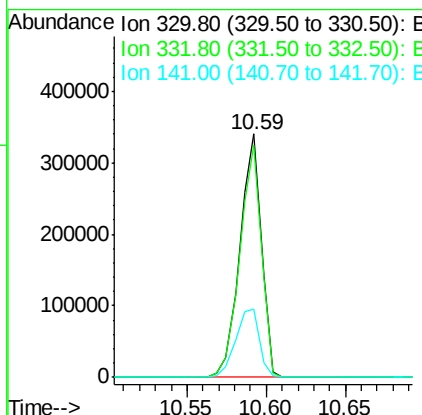
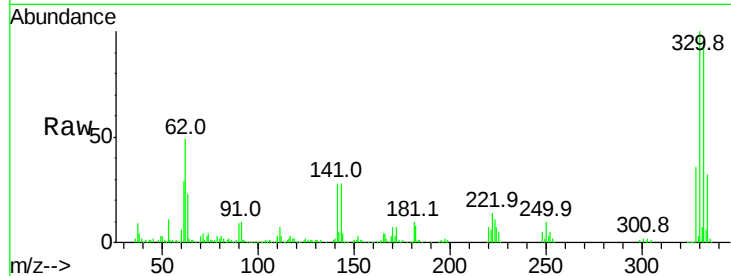
#41
 2,4,6-Tribromophenol
 Concen: 122.25 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. 0.00 min
 Lab File: BF096298.D
 Acq: 29 Jun 2017 18:17

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-062617

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.1	76.6	115.0	
141	30.9	31.4	47.2	

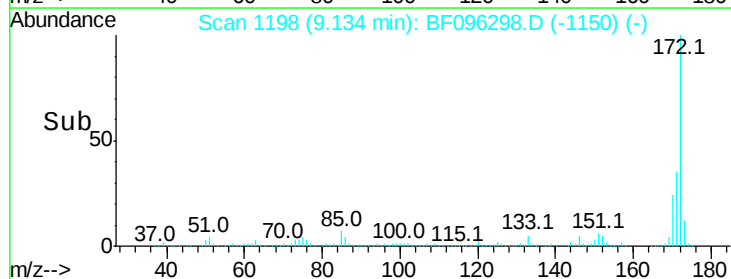
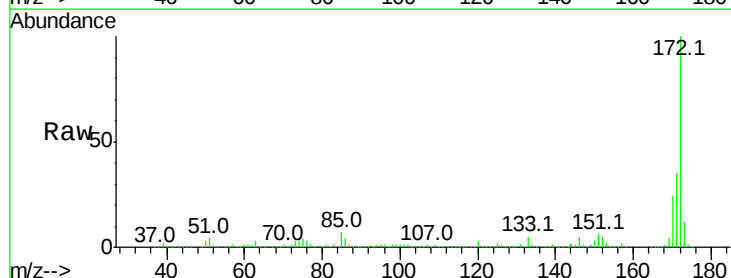
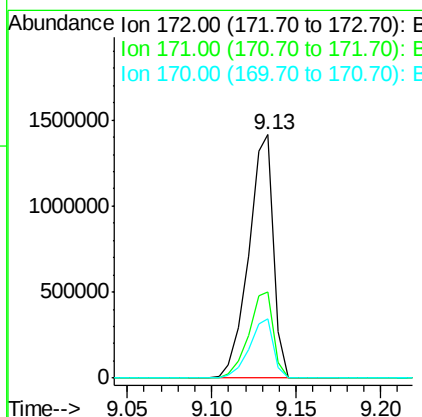
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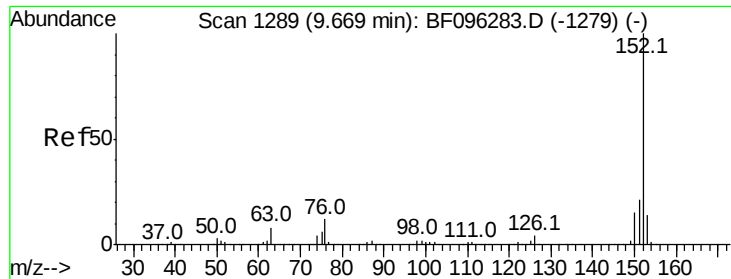
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#44
 2-Fluorobiphenyl
 Concen: 79.90 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: BF096298.D
 Acq: 29 Jun 2017 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.4	29.6	44.4	
170	24.3	19.8	29.8	





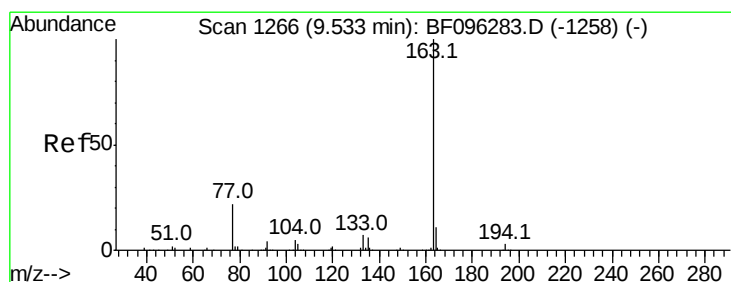
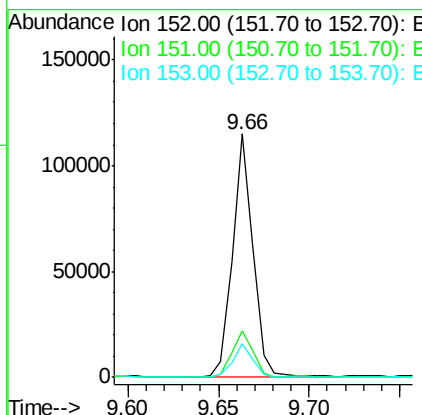
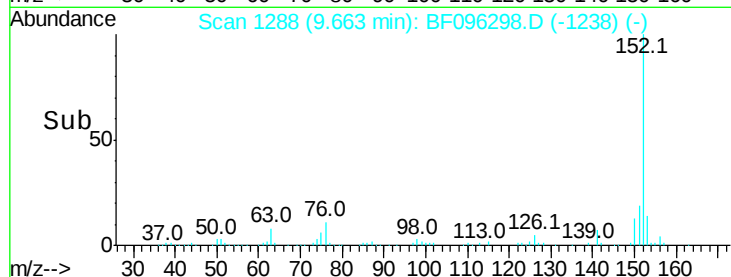
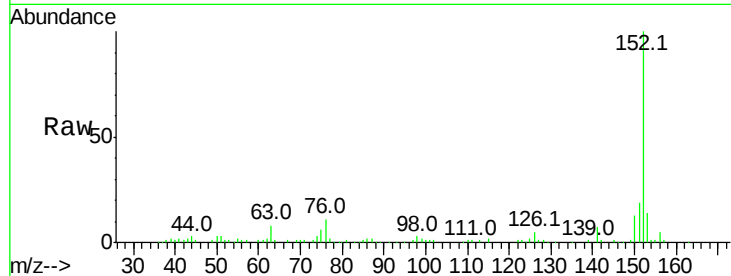
#48
Acenaphthylene
Concen: 2.61 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BF096298.D
Acq: 29 Jun 2017 18:17

Instrument :
BNA_F
ClientSampleId :
HD-01-062617

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.9	16.8	25.2
153	13.6	10.8	16.2

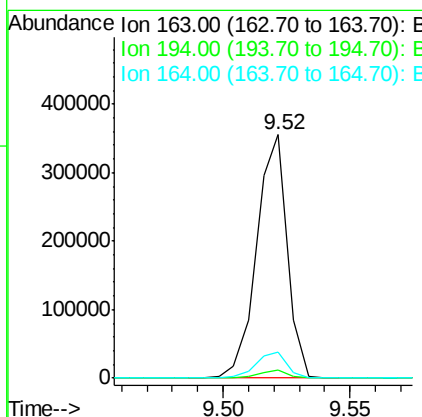
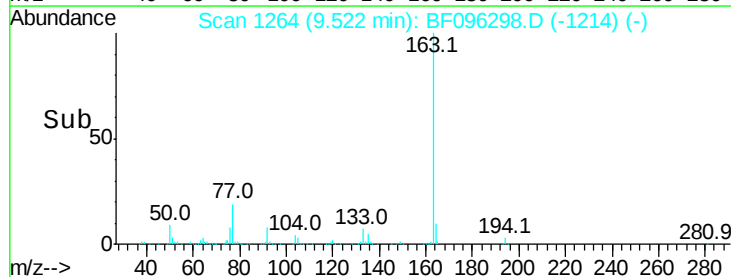
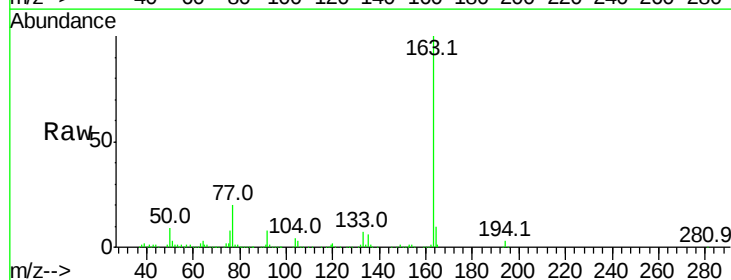
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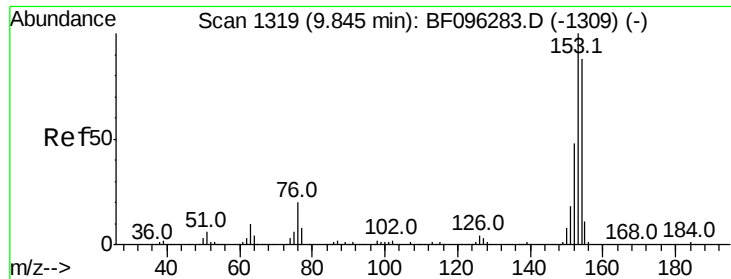
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#49
Dimethylphthalate
Concen: 12.55 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF096298.D
Acq: 29 Jun 2017 18:17

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	10.5	8.4	12.6





#51

Acenaphthene

Concen: 3.78 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF096298.D

Acq: 29 Jun 2017 18:17

Instrument :

BNA_F

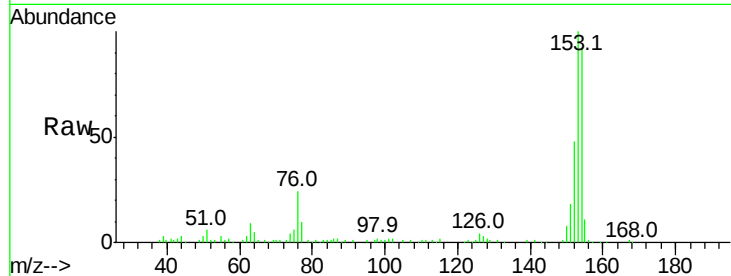
ClientSampled :

HD-01-062617

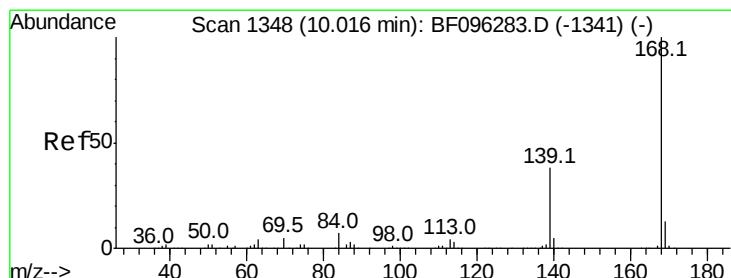
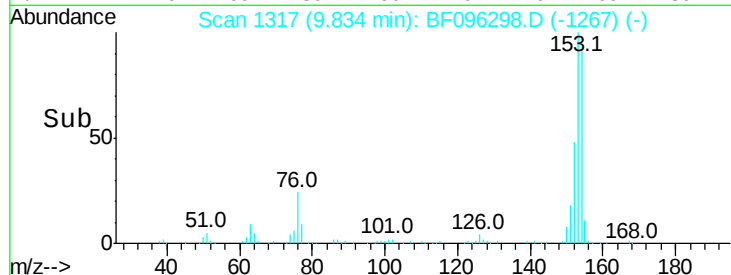
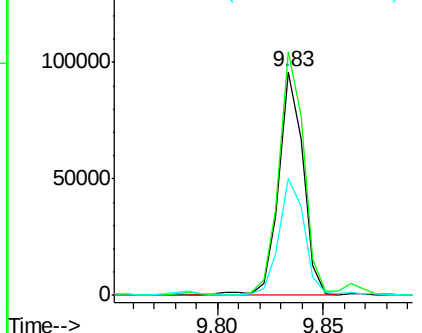
Tot Ion:	154	Resp:	77754
Ion Ratio	Lower	Upper	
154	100		
153	109.1	90.5	135.7
152	52.4	43.6	65.4

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.27 ng

RT: 10.00 min Scan# 1346

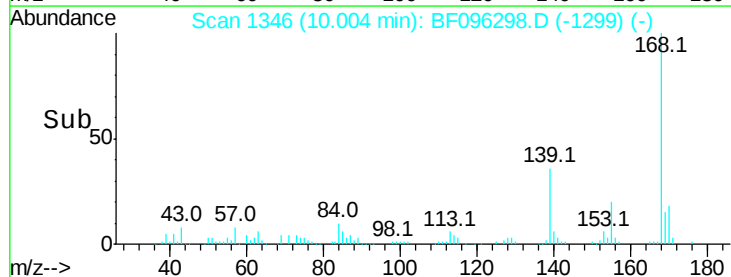
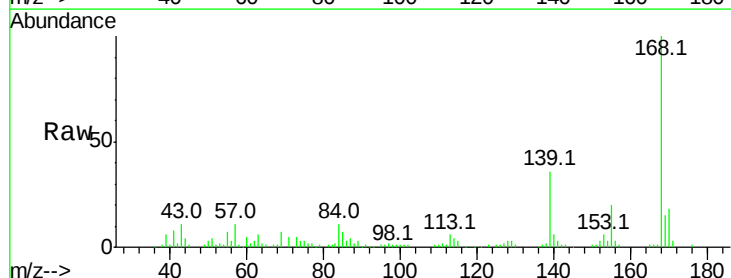
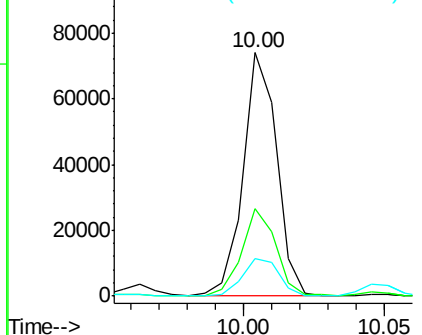
Delta R.T. -0.02 min

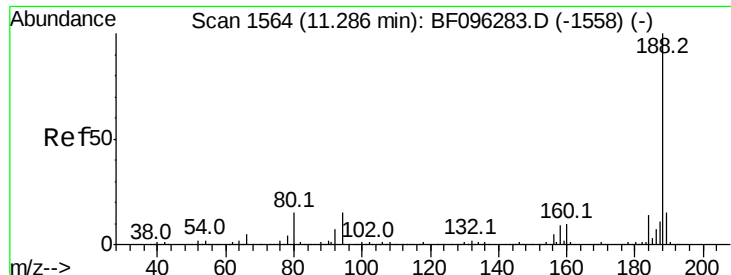
Lab File: BF096298.D

Acq: 29 Jun 2017 18:17

Tgt Ion:	168	Resp:	61051
Ion Ratio	Lower	Upper	
168	100		
139	36.1	30.6	45.8
169	15.4	10.8	16.2

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 1564

Delta R.T. 0.00 min

Lab File: BF096298.D

Acq: 29 Jun 2017 18:17

Instrument :

BNA_F

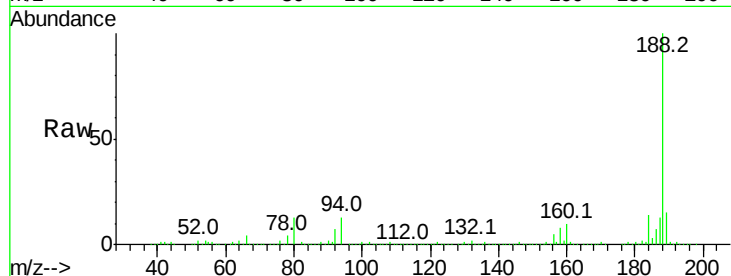
ClientSampleId :

HD-01-062617

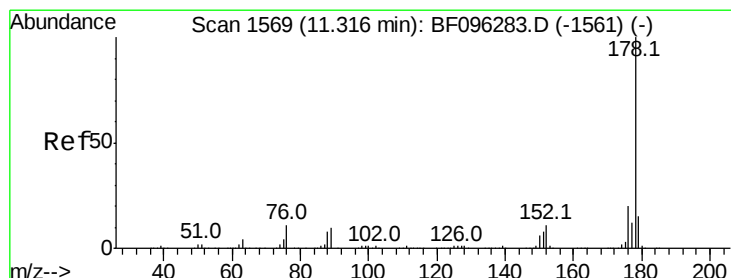
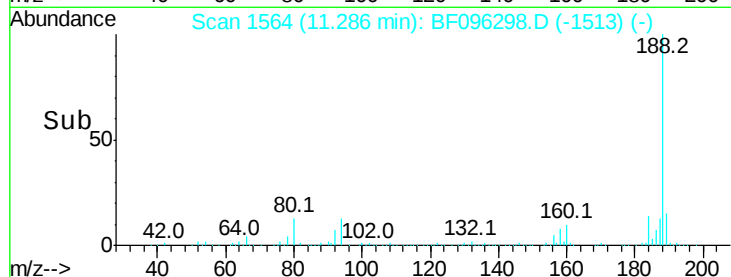
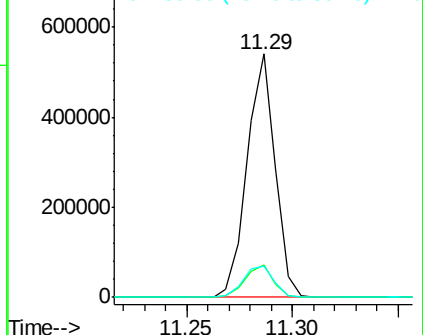
Tot Ion:	188	Resp:	497658
Ion Ratio	Lower	Upper	
188	100		
94	13.1	9.4	14.2
80	12.6	10.2	15.2

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Abundance Ion 188.00 (187.70 to 188.70): E



#70

Phenanthrene

Concen: 48.49 ng

RT: 11.31 min Scan# 1568

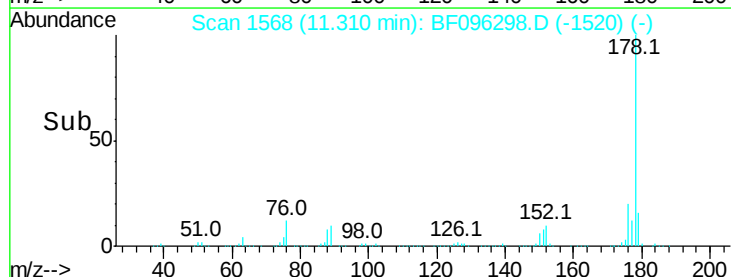
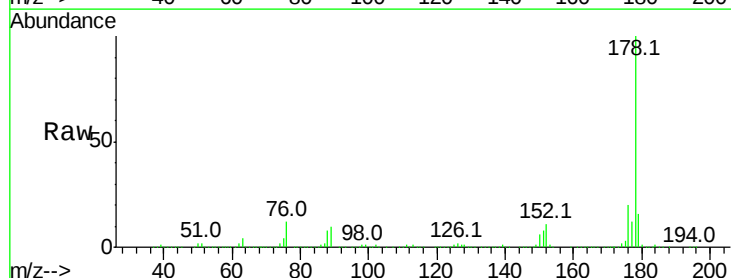
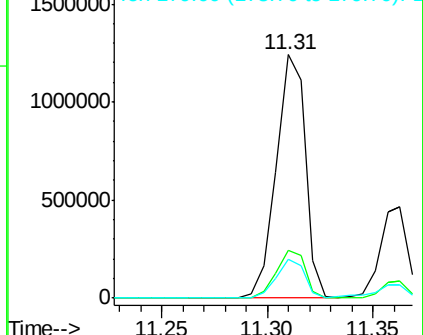
Delta R.T. -0.02 min

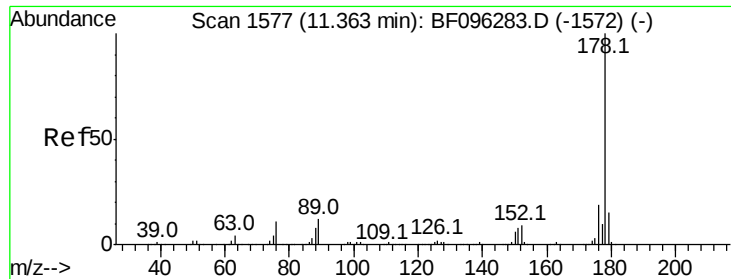
Lab File: BF096298.D

Acq: 29 Jun 2017 18:17

Tgt Ion:	178	Resp:	1195298
Ion Ratio	Lower	Upper	
178	100		
176	19.8	16.2	24.4
179	15.8	12.6	19.0

Abundance Ion 178.00 (177.70 to 178.70): E





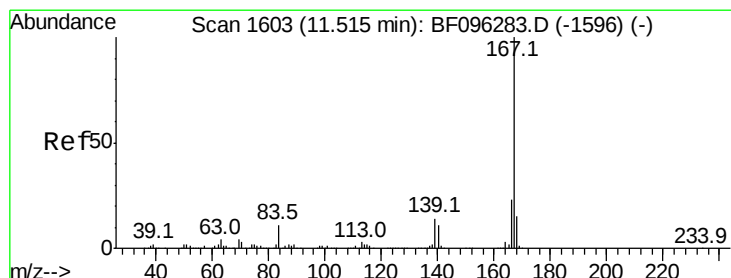
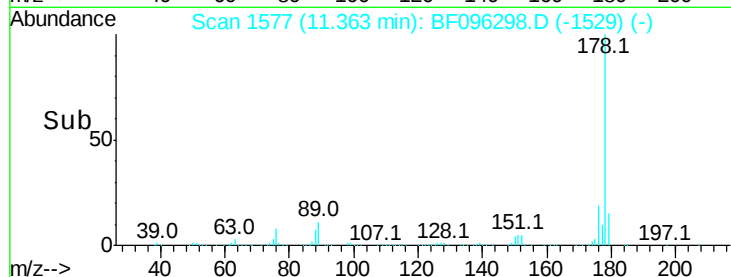
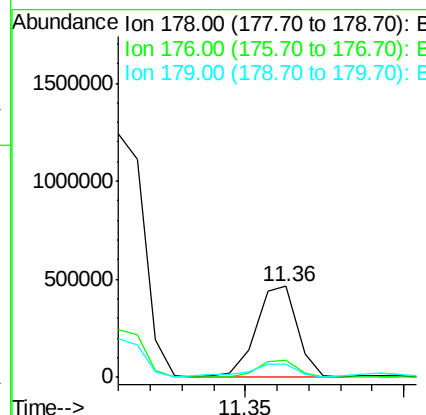
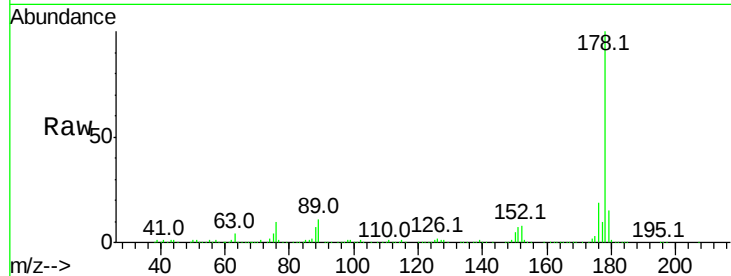
#71
 Anthracene
 Concen: 14.98 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.02 min
 Lab File: BF096298.D
 Acq: 29 Jun 2017 18:17

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-062617

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.1	12.7	19.1

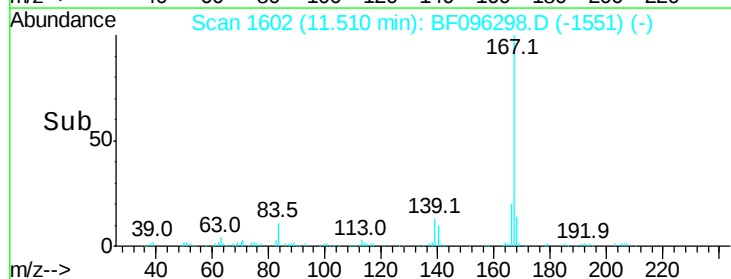
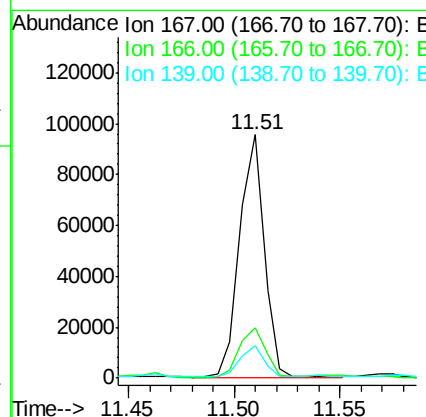
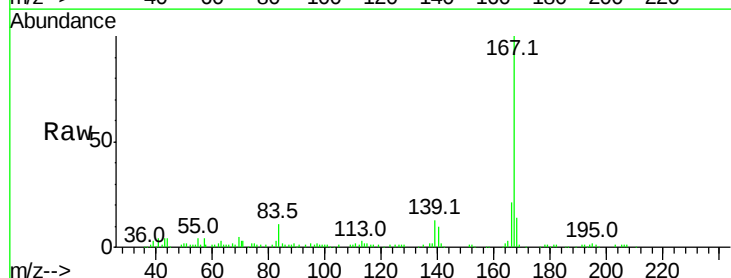
Manual Integrations
 APPROVED

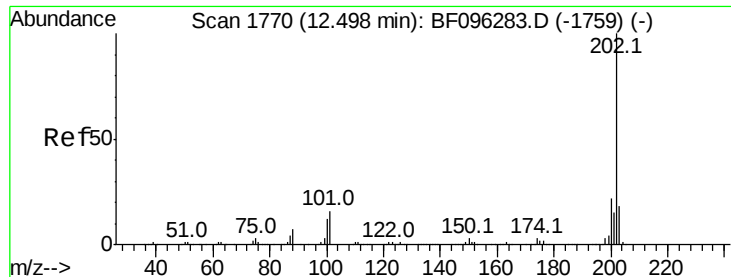
mohammad
 6/30/2017 2:52:00 PM



#72
 Carbazole
 Concen: 2.49 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. 0.00 min
 Lab File: BF096298.D
 Acq: 29 Jun 2017 18:17

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.6	18.1	27.1
139	13.2	11.7	17.5





#74

Fluoranthene

Concen: 65.05 ng

RT: 12.50 min Scan# 1771

Delta R.T. 0.01 min

Lab File: BF096298.D

Acq: 29 Jun 2017 18:17

Instrument :

BNA_F

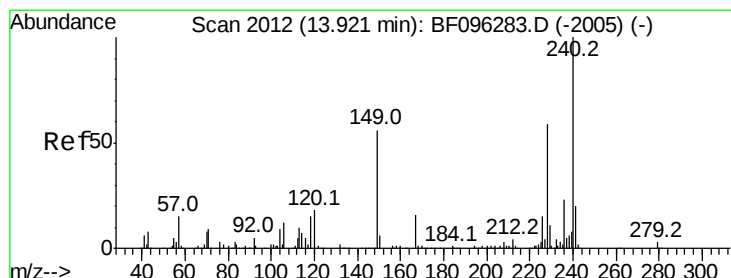
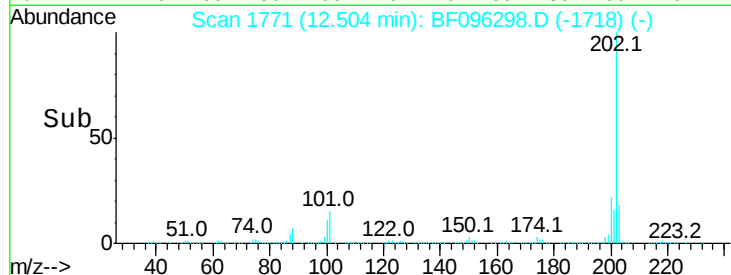
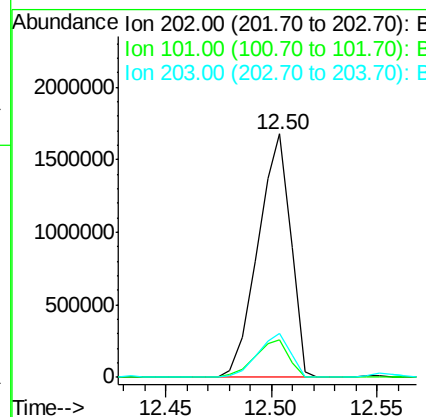
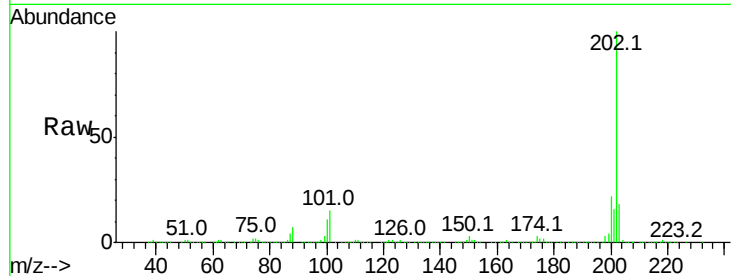
ClientSampleId :

HD-01-062617

Tot Ion:	202	Resp:	1798337
Ion	Ratio	Lower	Upper
202	100		
101	15.3	0.0	33.2
203	18.2	0.0	38.1

Manual Integrations
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mohammad
6/30/2017 2:52:00 PM



#75

Chrysene-d12

Concen: 20.00 ng

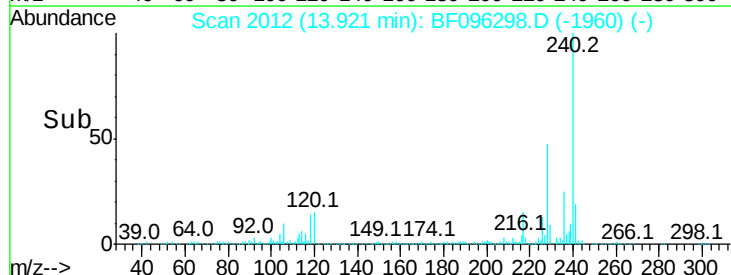
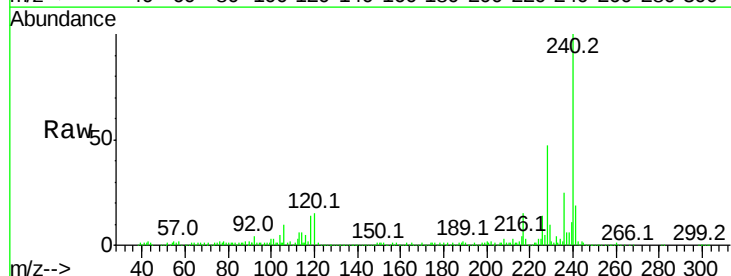
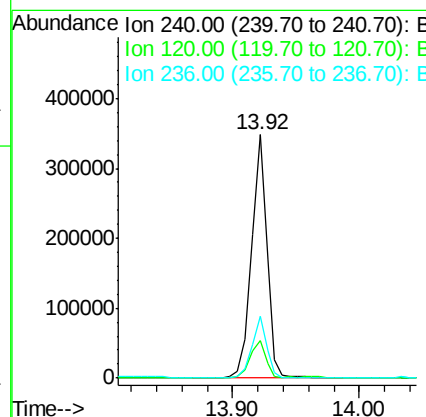
RT: 13.92 min Scan# 2012

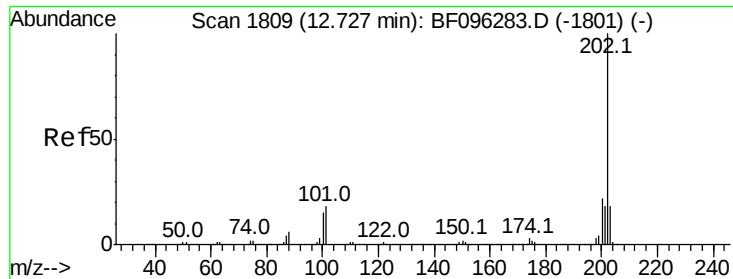
Delta R.T. 0.01 min

Lab File: BF096298.D

Acq: 29 Jun 2017 18:17

Tgt Ion:	240	Resp:	291502
Ion	Ratio	Lower	Upper
240	100		
120	15.4	5.8	8.8#
236	25.1	20.5	30.7





#77

Pvrene

Concen: 65.16 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.01 min

Lab File: BF096298.D

Acq: 29 Jun 2017 18:17

Instrument :

BNA_F

ClientSampleId :

HD-01-062617

Tot Ion:202 Resp: 1561027

Ion Ratio Lower Upper

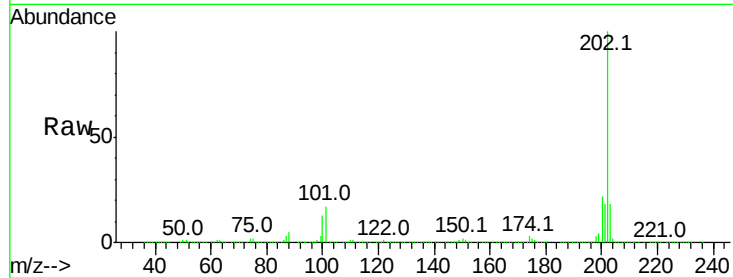
202 100

200 22.0 17.6 26.4

203 18.1 14.4 21.6

Manual Integrations
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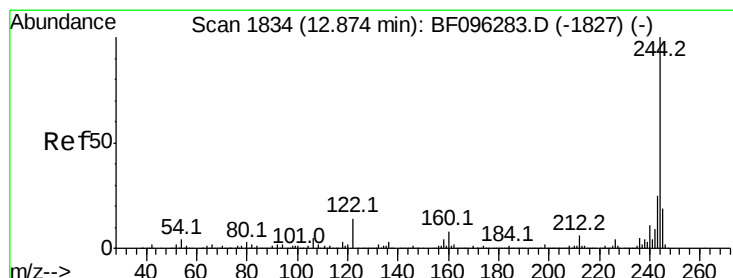
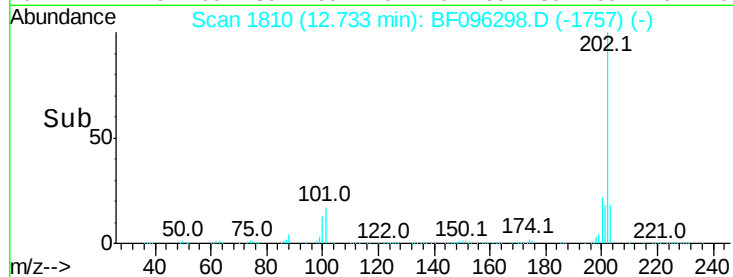
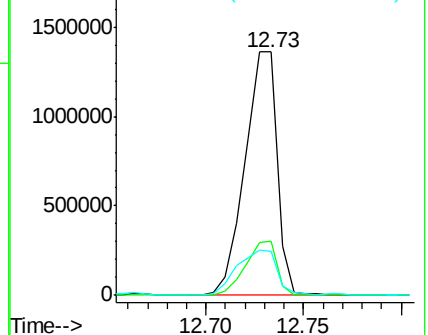
mohammad
6/30/2017 2:52:00 PM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 76.87 ng

RT: 12.87 min Scan# 1834

Delta R.T. 0.01 min

Lab File: BF096298.D

Acq: 29 Jun 2017 18:17

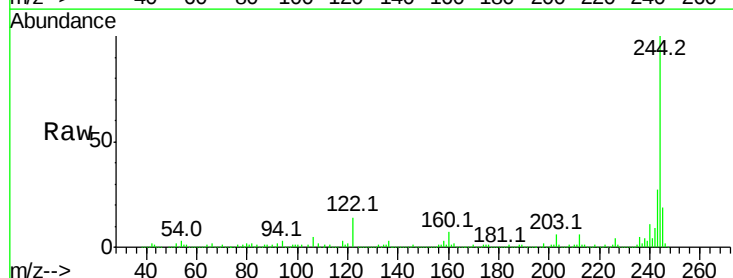
Tgt Ion:244 Resp: 898013

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

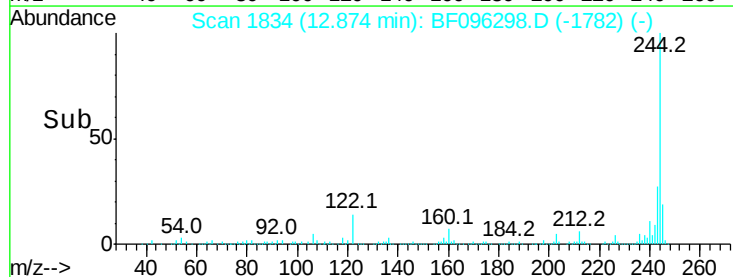
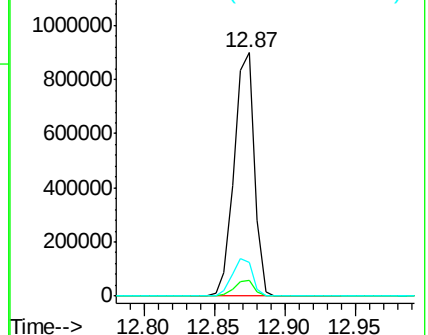
122 13.9 10.3 15.5

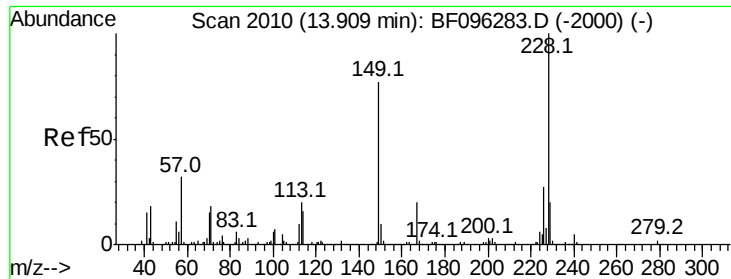


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





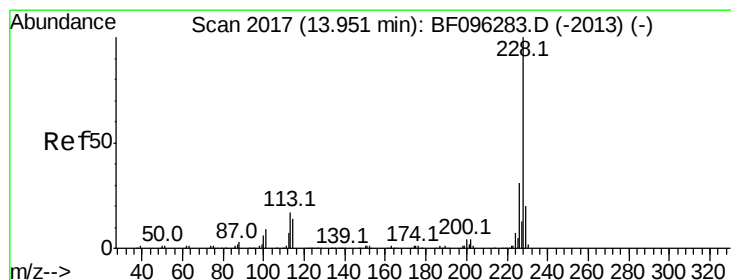
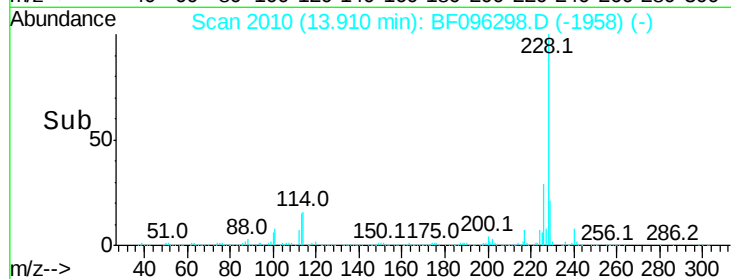
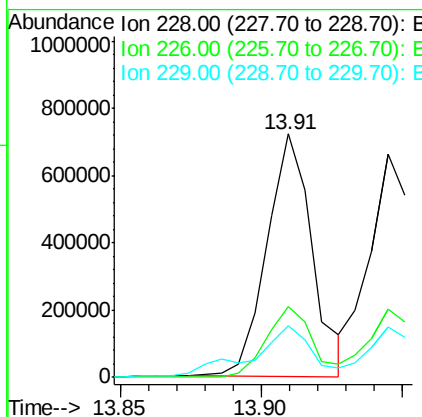
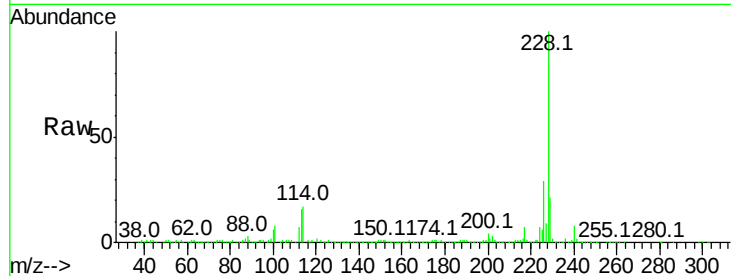
#80
Benzo(a)anthracene
Concen: 45.15 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.01 min
Lab File: BF096298.D
Acq: 29 Jun 2017 18:17

Instrument :
BNA_F
ClientSampleId :
HD-01-062617

Tot Ion:	228	Resp:	802291
Ion Ratio	Lower	Upper	
228	100		
226	29.2	22.6	33.8
229	21.0	16.3	24.5

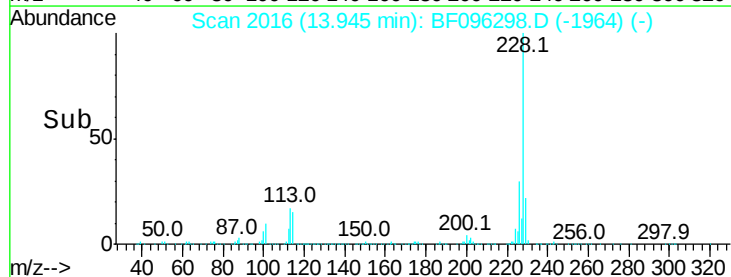
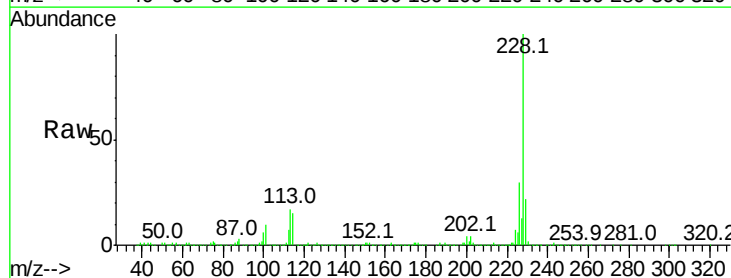
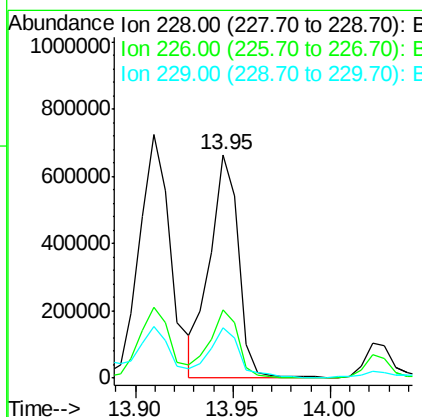
Manual Integrations
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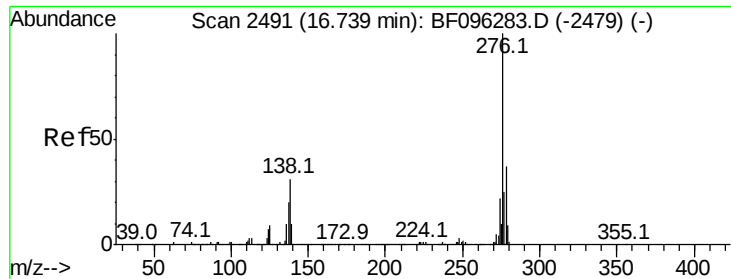
mohammad
6/30/2017 2:52:00 PM



#82
Chrysene
Concen: 36.36 ng
RT: 13.95 min Scan# 2016
Delta R.T. 0.01 min
Lab File: BF096298.D
Acq: 29 Jun 2017 18:17

Tgt Ion:	228	Resp:	668200
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.9	37.3
229	22.4	15.8	23.6





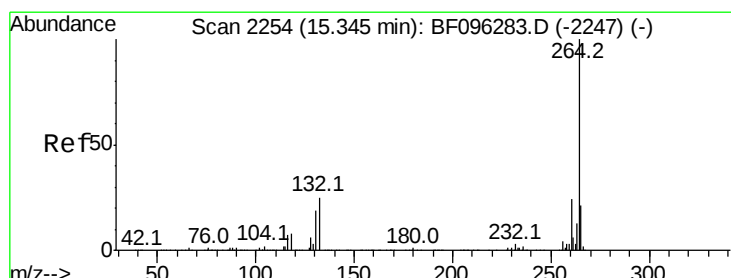
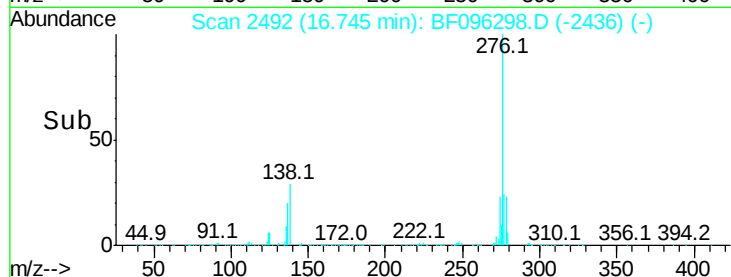
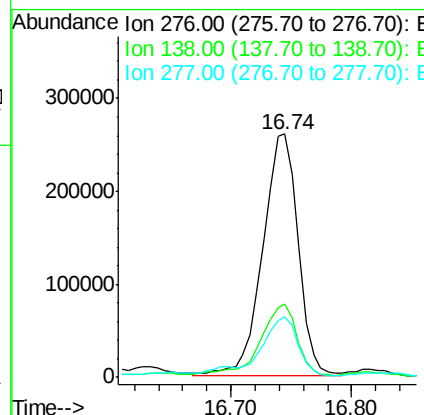
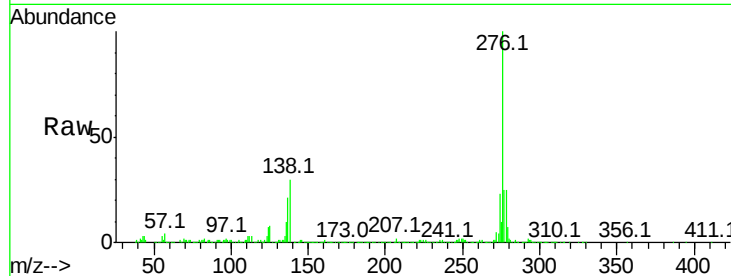
#85
Indeno(1,2,3-cd)pyrene
Concen: 34.85 ng
RT: 16.74 min Scan# 2492
Delta R.T. 0.03 min
Lab File: BF096298.D
Acq: 29 Jun 2017 18:17

Instrument :
BNA_F
ClientSampleId :
HD-01-062617

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.4	27.8	41.6
277	26.5	20.2	30.4

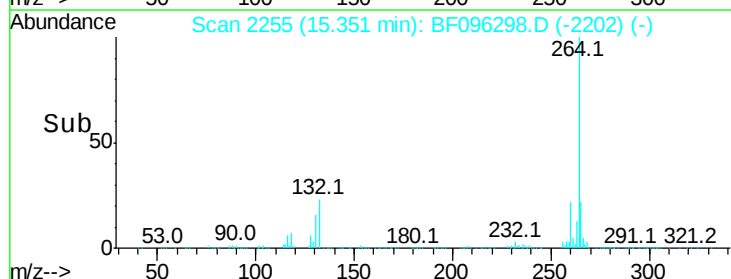
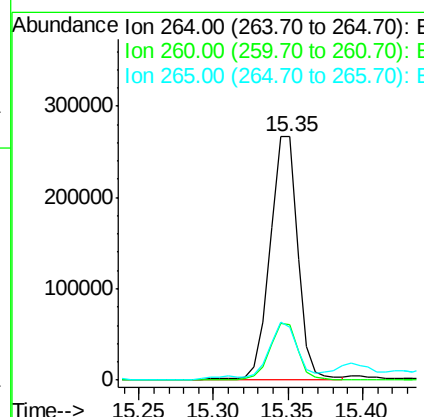
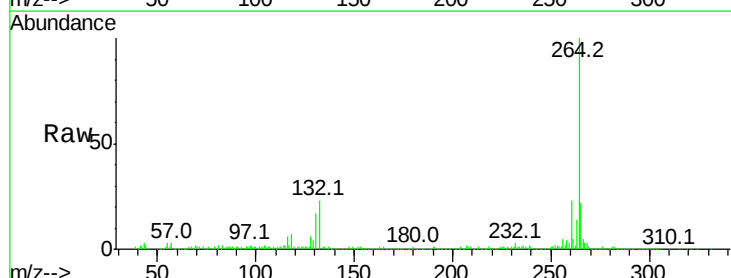
Manual Integrations
APPROVED

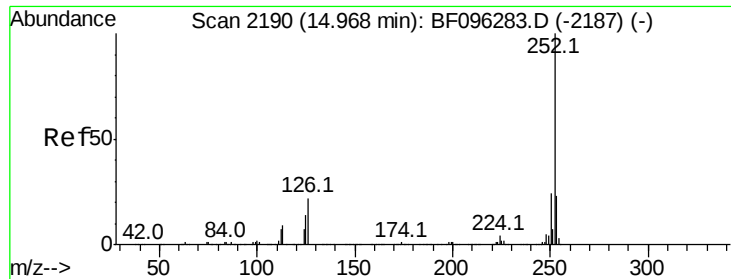
mohammad
6/30/2017 2:52:00 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 2255
Delta R.T. 0.01 min
Lab File: BF096298.D
Acq: 29 Jun 2017 18:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.5	29.3
265	21.8	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 42.23 ng m

RT: 14.94 min Scan# 2186

Delta R.T. -0.01 min

Lab File: BF096298.D

Acq: 29 Jun 2017 18:17

Instrument :

BNA_F

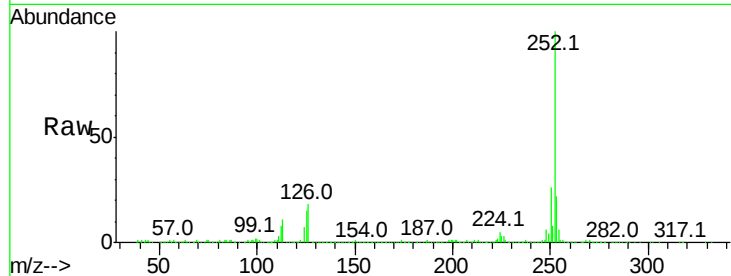
ClientSampleId :

HD-01-062617

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	15.2	9.8	14.8

Manual Integrations
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6/30/2017 2:52:00 PM

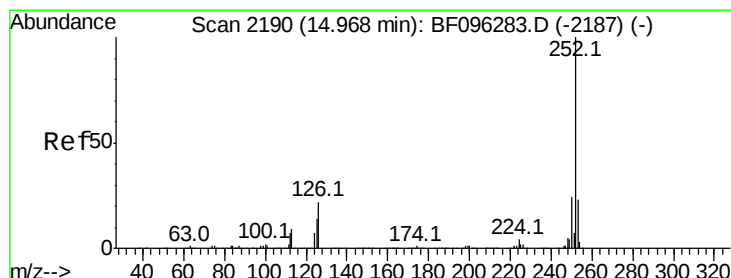
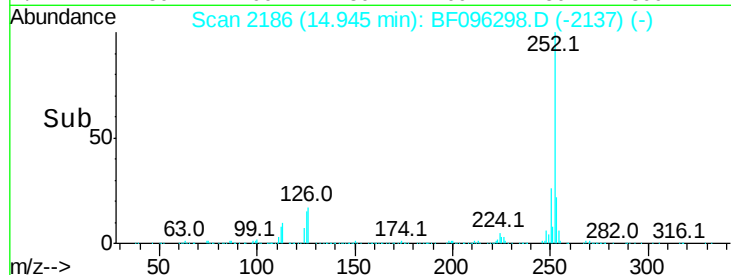
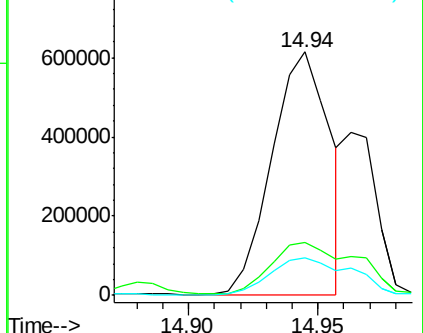


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 17.70 ng m

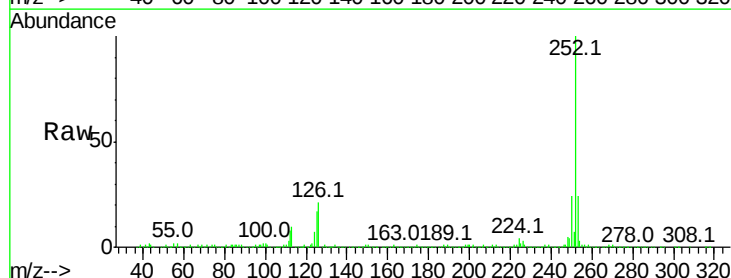
RT: 14.96 min Scan# 2189

Delta R.T. 0.01 min

Lab File: BF096298.D

Acq: 29 Jun 2017 18:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	16.5	13.1	19.7

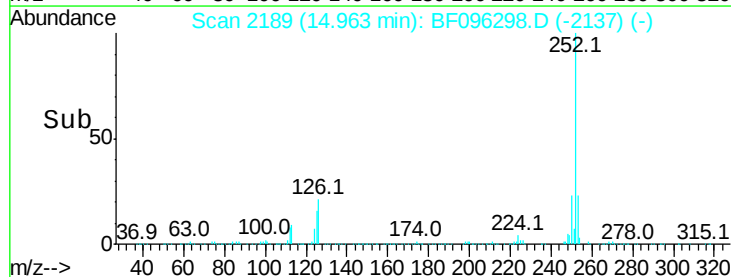
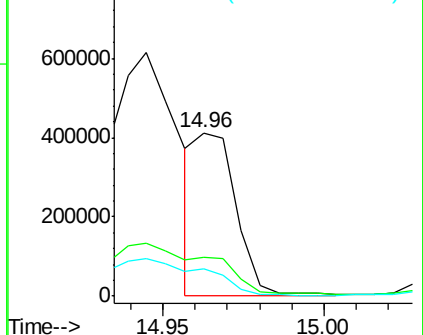


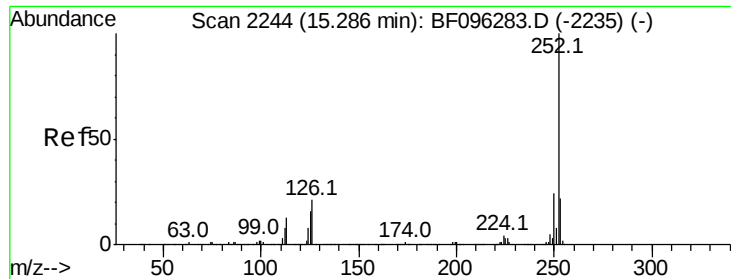
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





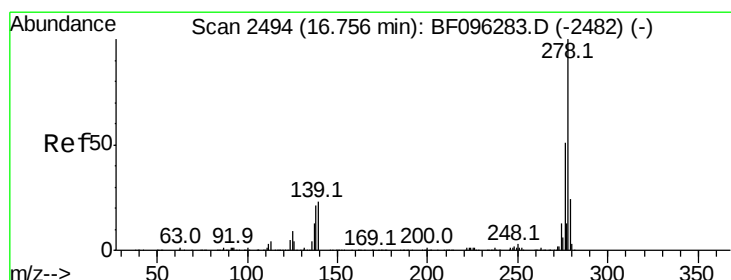
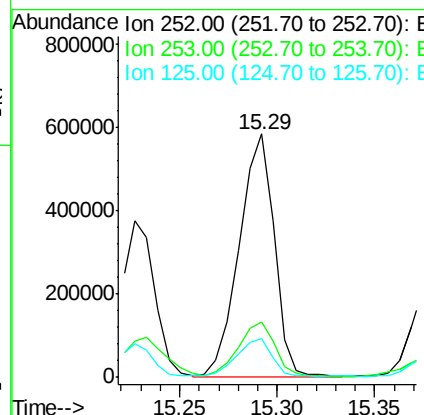
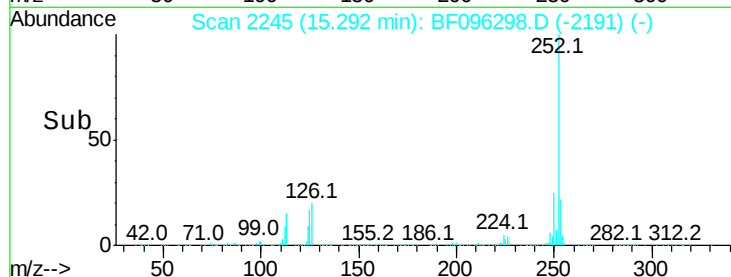
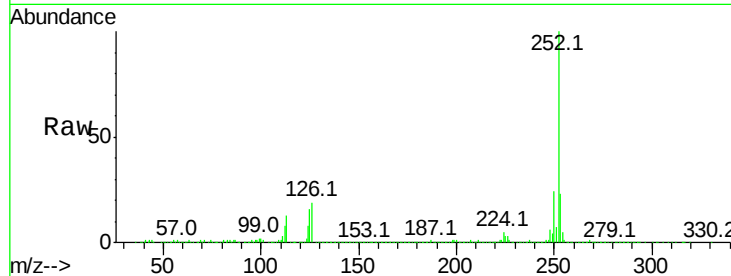
#89
Benzo(a)pyrene
Concen: 36.44 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.02 min
Lab File: BF096298.D
Acq: 29 Jun 2017 18:17

Instrument :
BNA_F
ClientSampleId :
HD-01-062617

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.0	17.5	26.3
125	15.7	11.0	16.4

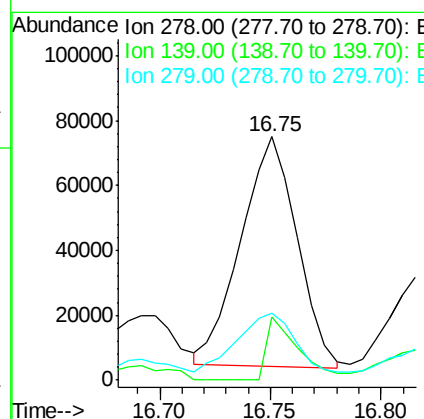
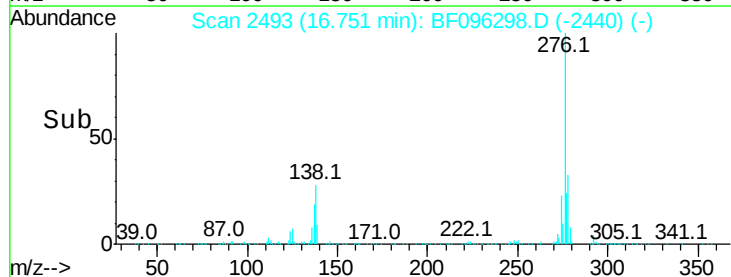
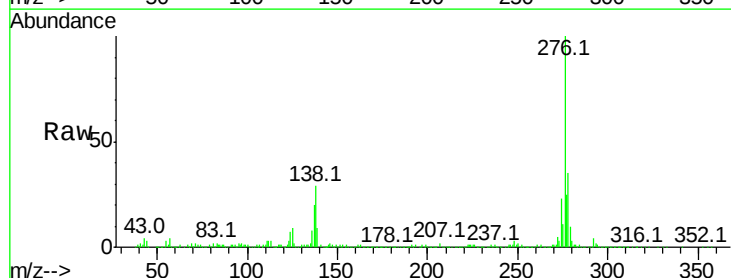
Manual Integrations
APPROVED

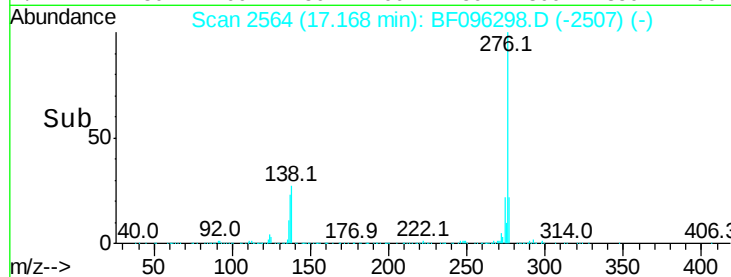
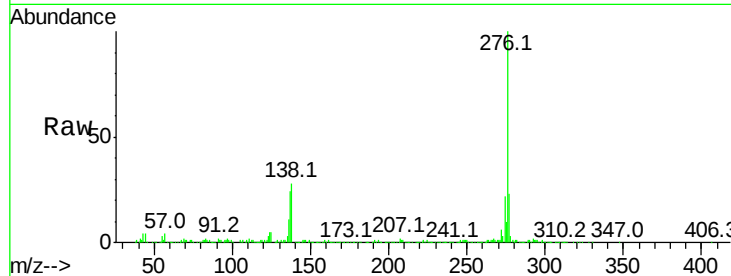
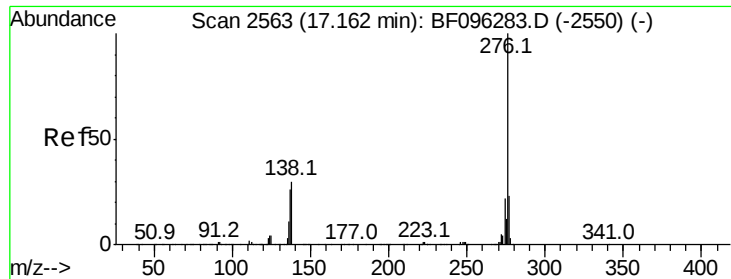
mohammad
6/30/2017 2:52:00 PM



#90
Dibenzo(a,h)anthracene
Concen: 8.06 ng m
RT: 16.75 min Scan# 2493
Delta R.T. 0.01 min
Lab File: BF096298.D
Acq: 29 Jun 2017 18:17

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	25.7	16.6	24.8#
279	27.7	19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 29.42 ng

RT: 17.17 min Scan# 2564

Delta R.T. 0.04 min

Lab File: BF096298.D

Acq: 29 Jun 2017 18:17

Instrument :

BNA_F

ClientSampleId :

HD-01-062617

Tot Ion:276 Resp: 475324

Ion Ratio Lower Upper

276 100

277 23.5 18.6 28.0

138 28.0 25.4 38.0

Manual Integrations

APPROVED

mohammad

6/30/2017 2:52:00 PM

