

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097045.D
 Acq On : 25 Jul 2017 22:44
 Operator : SJ/JU
 Sample : I4290-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampled :
 S-4

Manual Integrations
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Sohil
 7/26/2017 5:58:26 PM

Quant Time: Jul 26 13:02:14 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	144827	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	615168	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	257686	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	394147	20.00	ng	0.00
75) Chrysene-d12	13.62	240	242854	20.00	ng	0.00
86) Perylene-d12	14.97	264	219842	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	1140308	118.69	ng	0.02
7) Phenol-d6	6.17	99	1431509	130.52	ng	0.00
23) Nitrobenzene-d5	7.07	82	867224	82.70	ng	0.00
41) 2,4,6-Tribromophenol	10.32	330	236213	116.02	ng	0.00
44) 2-Fluorobiphenyl	8.86	172	1069931	70.46	ng	0.00
78) Terphenyl-d14	12.59	244	634838	53.30	ng	0.00
Target Compounds						
10) Phenol	6.18	94	58505	4.497	ng	Qvalue 93
48) Acenaphthylene	9.39	152	67263	2.706	ng	99
49) Dimethylphthalate	9.26	163	139421	7.125	ng	99
54) Dibenzofuran	9.73	168	54449	2.791	ng	99
57) Fluorene	10.07	166	66404	4.530	ng	98
70) Phenanthrene	11.03	178	587040	27.797	ng	99
71) Anthracene	11.07	178	143525	6.635	ng	99
74) Fluoranthene	12.20	202	573090	27.700	ng	98
77) Pyrene	12.43	202	441536	22.208	ng	98
80) Benzo(a)anthracene	13.61	228	195353	12.432	ng	96
82) Chrysene	13.64	228	155642	10.144	ng	97
85) Indeno(1,2,3-cd)pyrene	16.19	276	65028	4.942	ng	94
87) Benzo(b)fluoranthene	14.61	252	183228m	13.865	ng	
88) Benzo(k)fluoranthene	14.63	252	49455m	3.927	ng	
89) Benzo(a)pyrene	14.92	252	117329	9.701	ng	96
90) Dibenzo(a,h)anthracene	16.20	278	22049m	2.223	ng	
91) Benzo(a,h,i)perylene	16.56	276	57497	5.528	ng	95

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

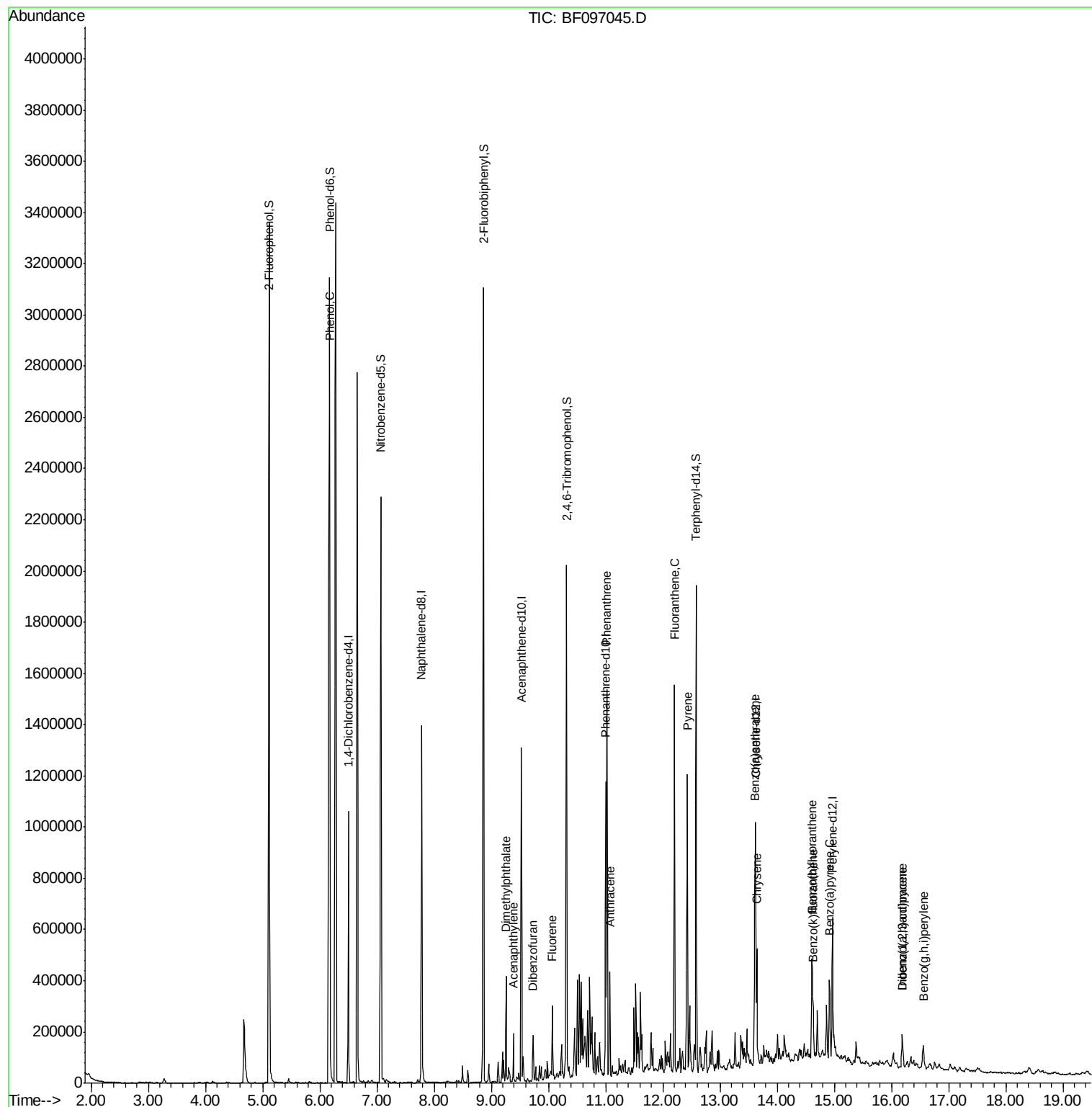
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
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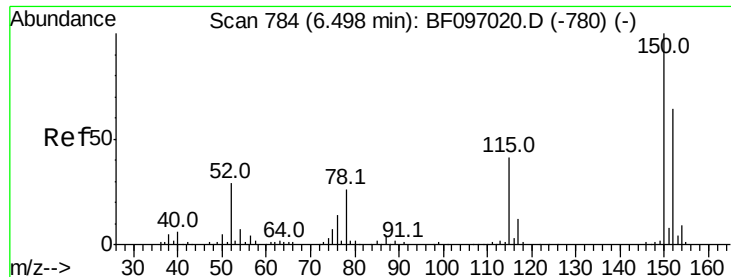
Instrument :
BNA_F
ClientSampleId :
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#1

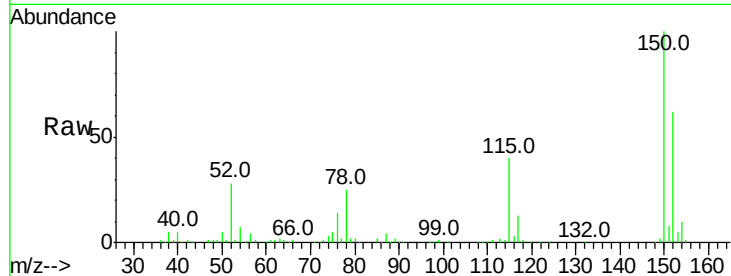
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF097045.D
Acq: 25 Jul 2017 22:44

Instrument :
BNA_F
ClientSampled :
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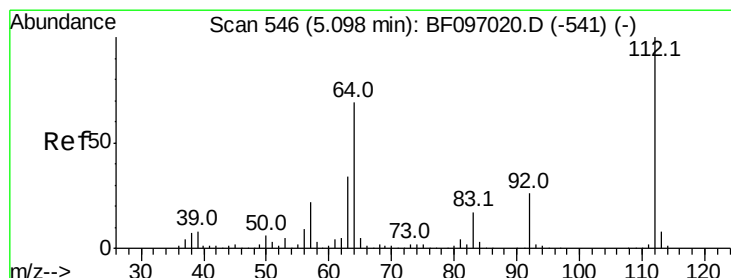
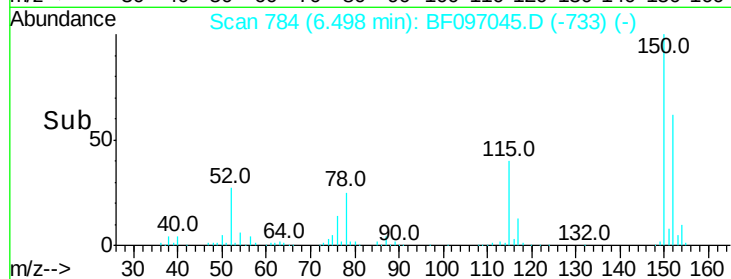
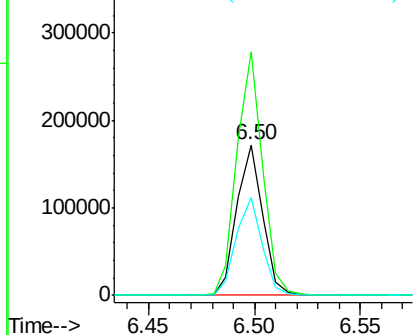
Tot Ion	Ratio	Lower	Upper
152	100		
150	161.5	126.2	189.2
115	64.9	52.2	78.2

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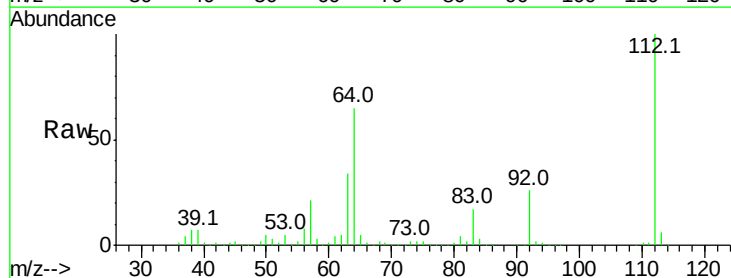
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



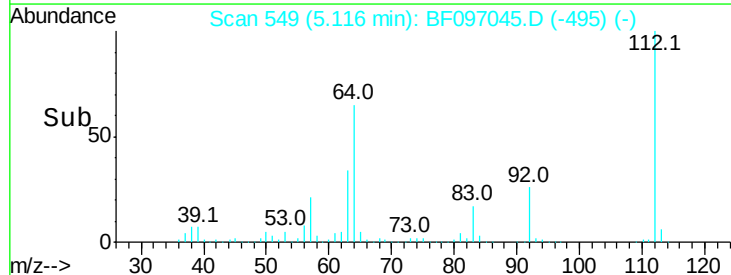
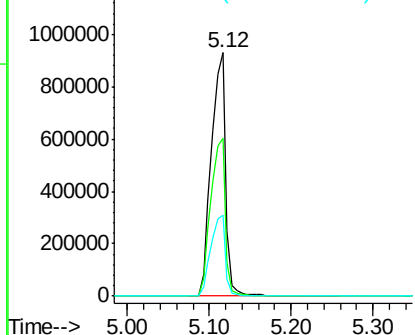
#5

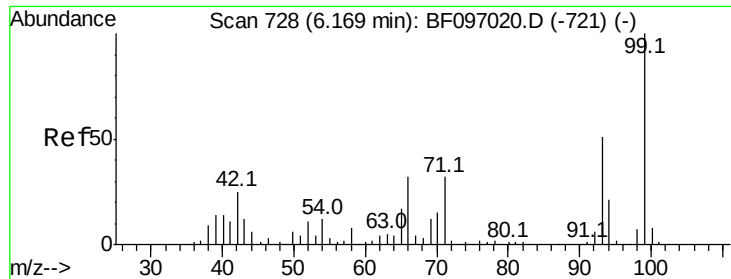
2-Fluorophenol
Concen: 118.693 ng
RT: 5.12 min Scan# 549
Delta R.T. 0.02 min
Lab File: BF097045.D
Acq: 25 Jul 2017 22:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	46.0	69.0
63	33.5	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 130.520 ng

RT: 6.17 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF097045.D

Acq: 25 Jul 2017 22:44

Instrument :

BNA_F

ClientSampled :

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Tot Ion: 99 Resp: 1431509

Ion Ratio Lower Upper

99 100

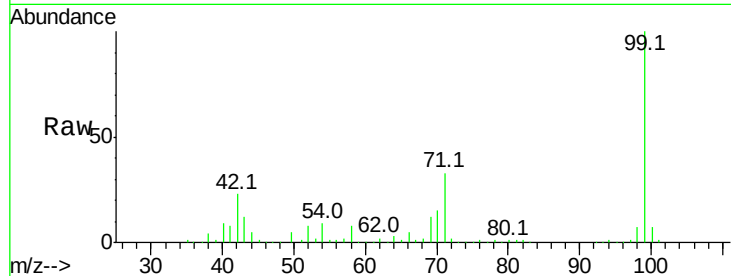
42 22.8 13.5 20.3#

71 32.6 24.5 36.7

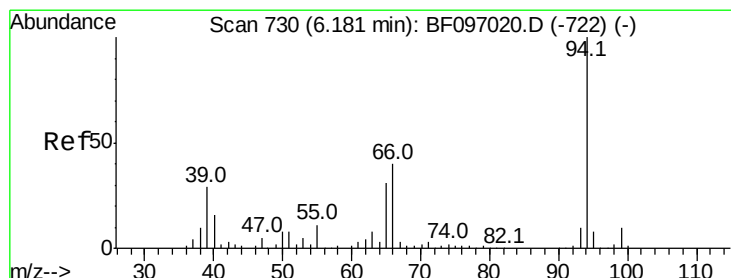
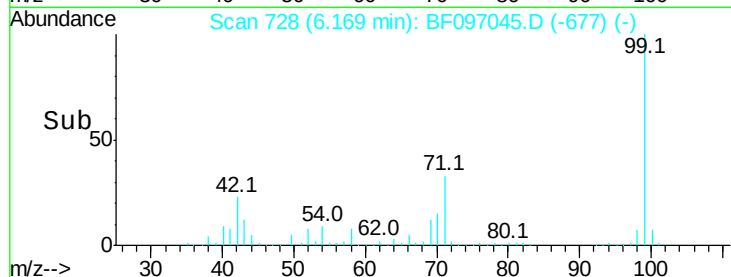
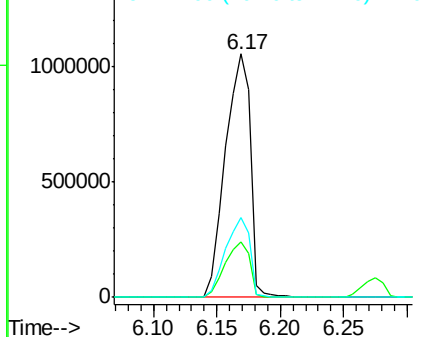
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 4.497 ng

RT: 6.18 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF097045.D

Acq: 25 Jul 2017 22:44

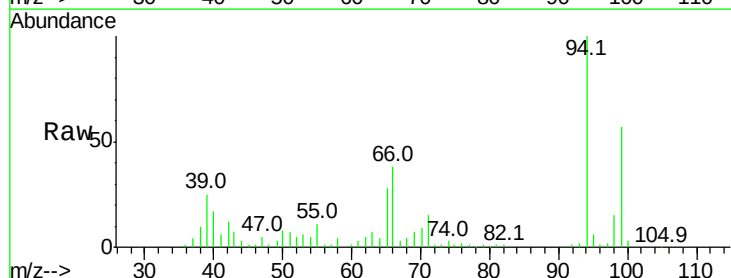
Tgt Ion: 94 Resp: 58505

Ion Ratio Lower Upper

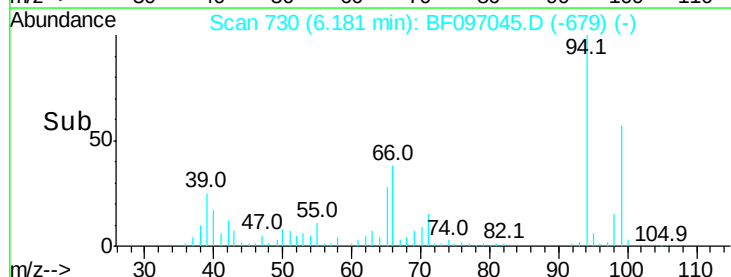
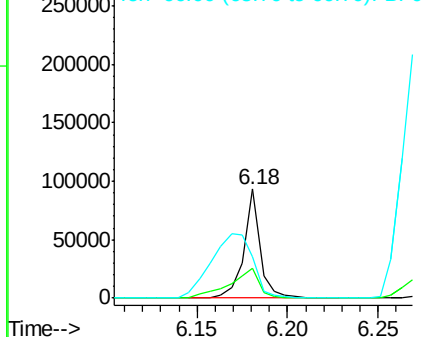
94 100

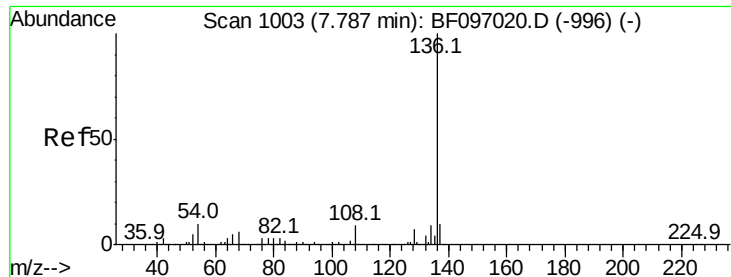
65 27.9 9.9 49.9

66 37.6 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.78 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF097045.D

Acq: 25 Jul 2017 22:44

Instrument :

BNA_F

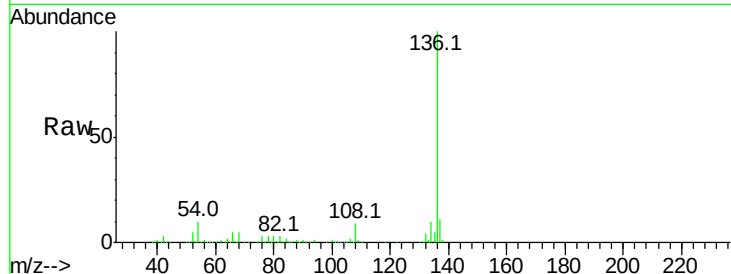
ClientSampled :

S-4

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.5	12.7	
54	10.4	4.9	7.3#	
68	5.3	4.1	6.1	

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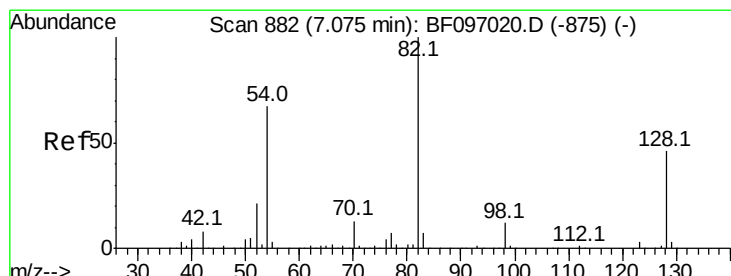
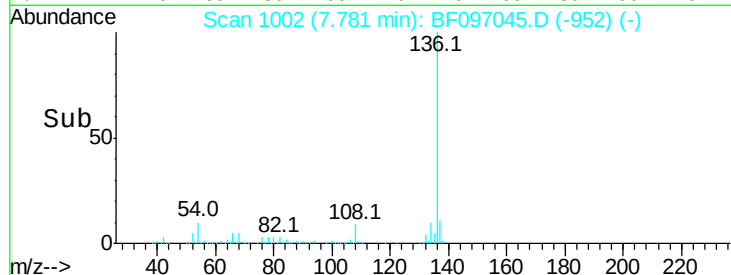
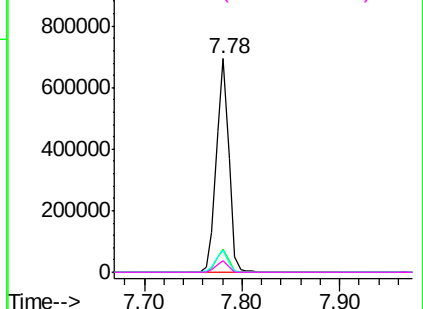


Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.701 ng

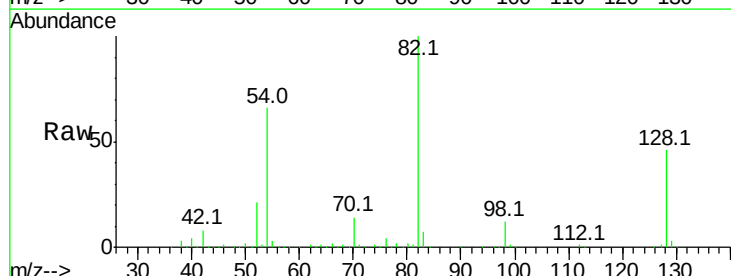
RT: 7.07 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF097045.D

Acq: 25 Jul 2017 22:44

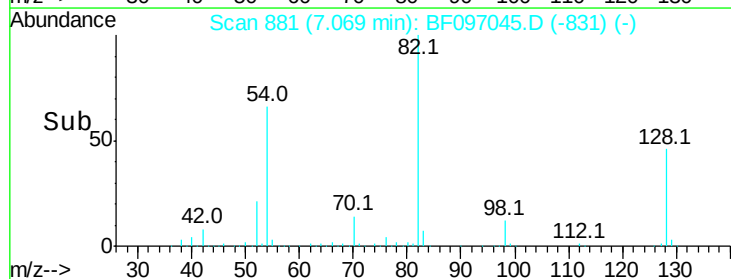
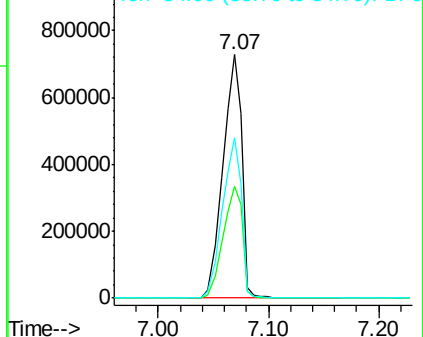
Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.0	34.0	51.0	
54	66.0	42.2	63.2#	

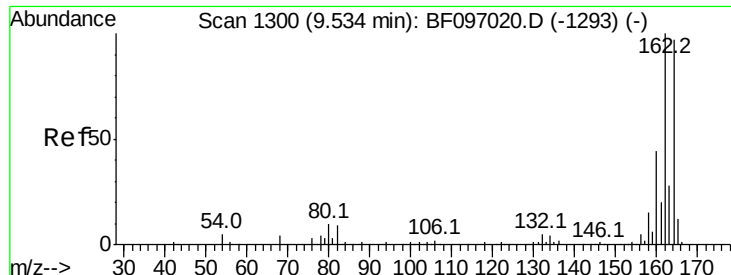


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





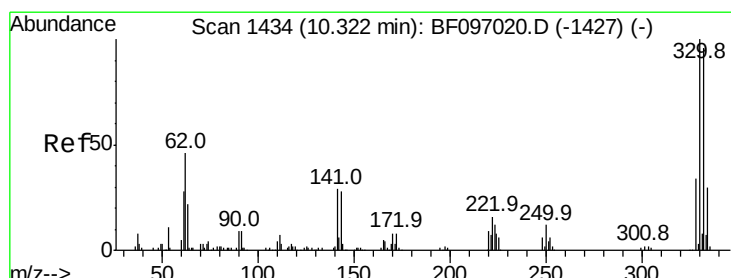
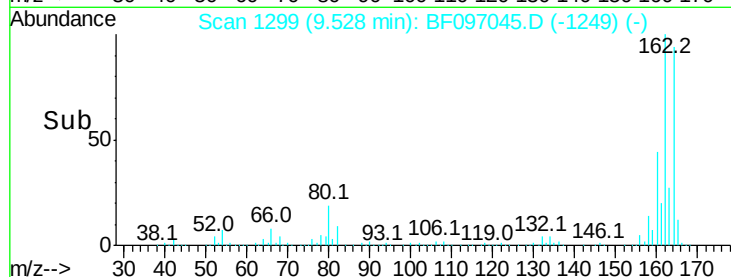
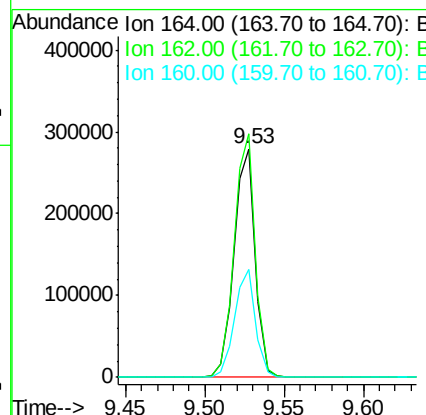
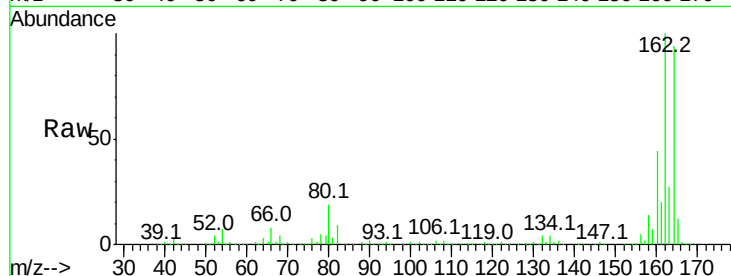
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.53 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF097045.D
Acq: 25 Jul 2017 22:44

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
164	100		
162	106.6	82.6	123.8
160	47.2	36.2	54.2

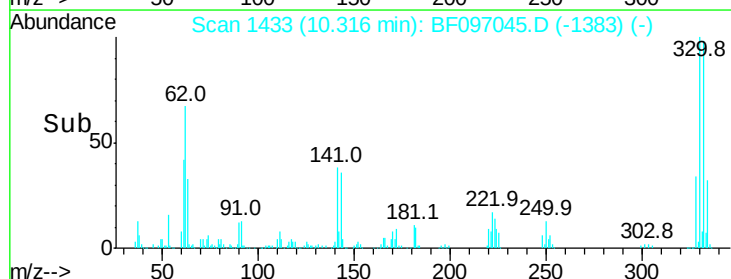
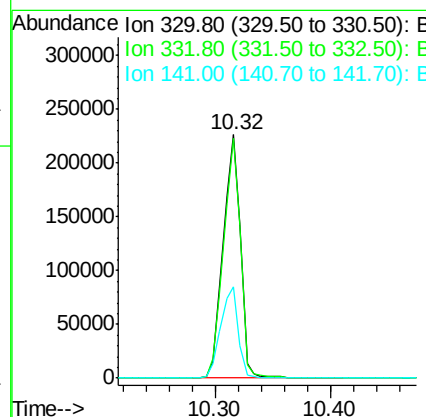
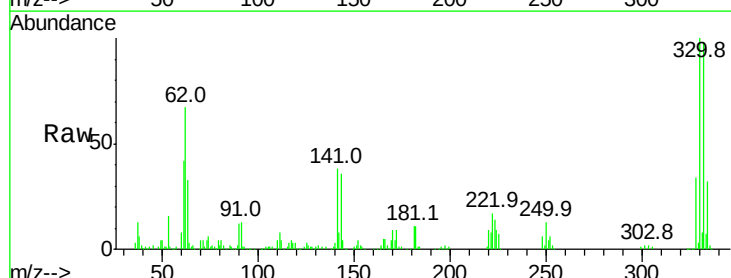
Manual Integrations
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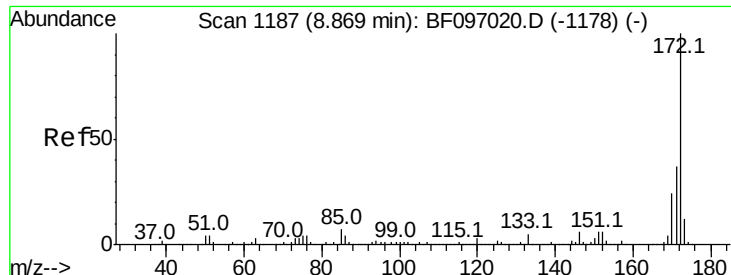
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#41
2,4,6-Tribromophenol
Concen: 116.020 ng
RT: 10.32 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BF097045.D
Acq: 25 Jul 2017 22:44

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.6	115.0
141	38.4	31.4	47.2





#44

2-Fluorobiphenyl

Concen: 70.465 ng

RT: 8.86 min Scan# 1186

Delta R.T. -0.01 min

Lab File: BF097045.D

Acq: 25 Jul 2017 22:44

Instrument :

BNA_F

ClientSampled :

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Tot Ion:172 Resp: 1069931

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	24.5	19.8	29.8

172 100

171 35.9 29.6 44.4

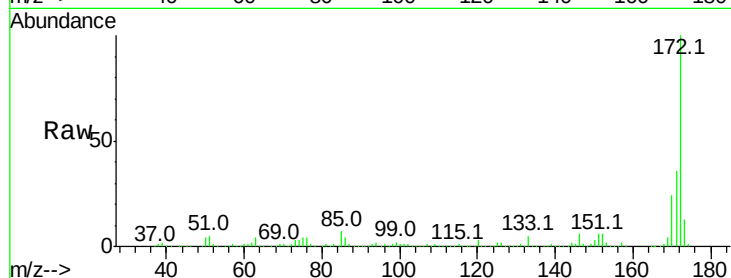
170 24.5 19.8 29.8

Manual Integrations

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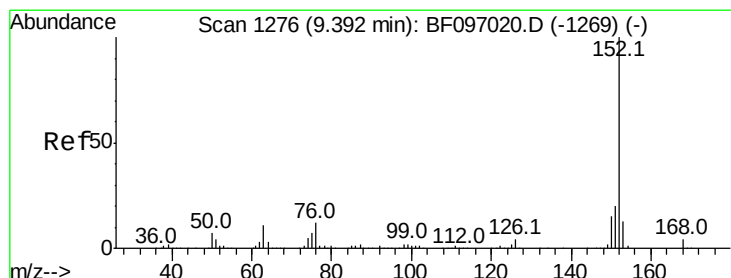
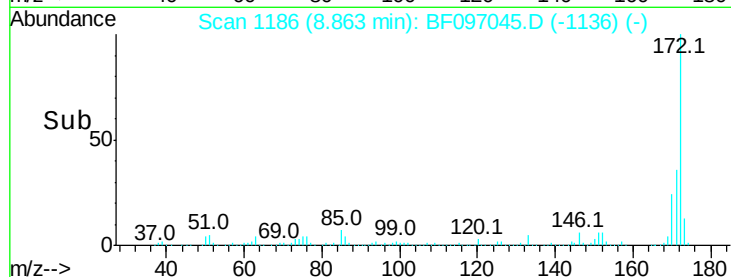
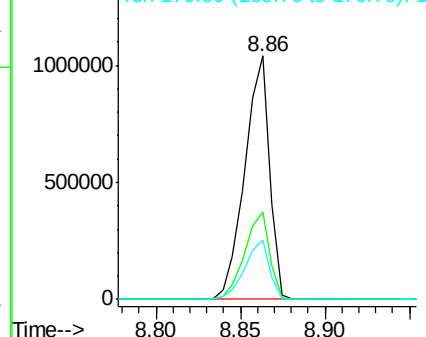
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Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#48

Acenaphthylene

Concen: 2.706 ng

RT: 9.39 min Scan# 1275

Delta R.T. -0.01 min

Lab File: BF097045.D

Acq: 25 Jul 2017 22:44

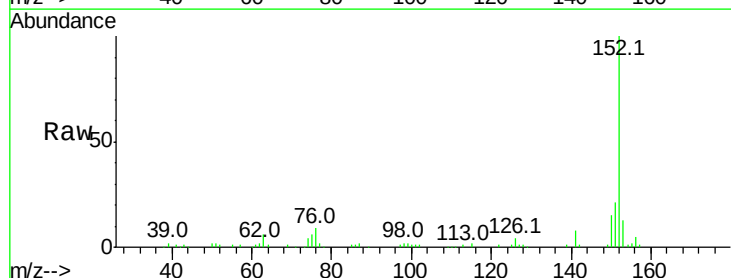
Tgt Ion:152 Resp: 67263

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.8	25.2
153	13.5	10.8	16.2

152 100

151 20.5 16.8 25.2

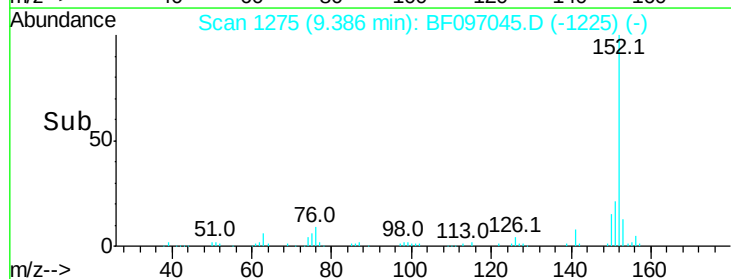
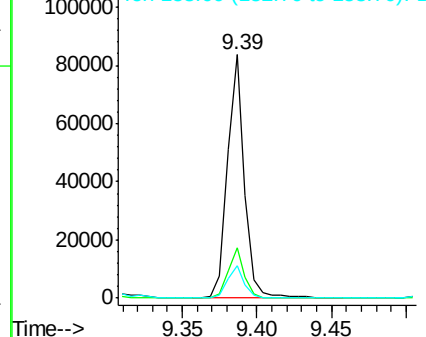
153 13.5 10.8 16.2

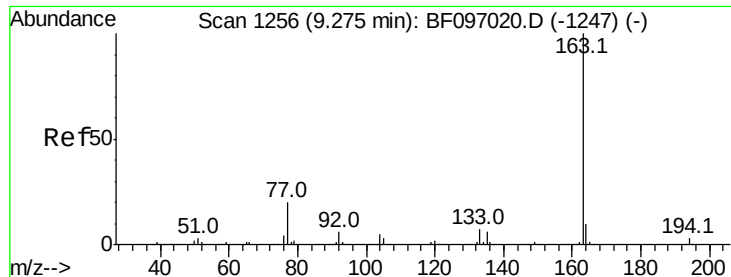


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





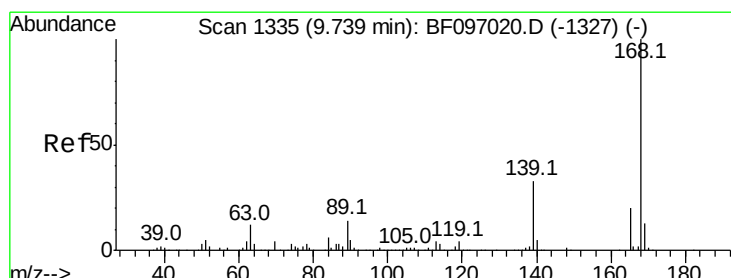
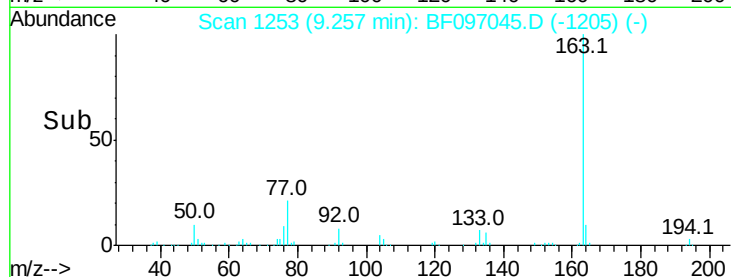
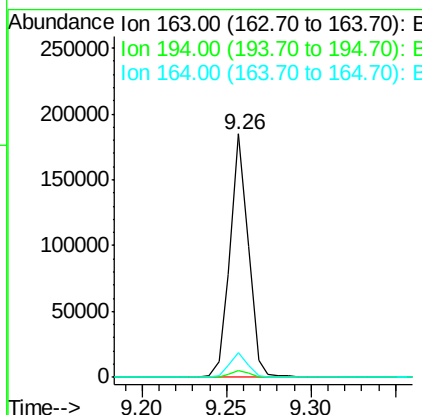
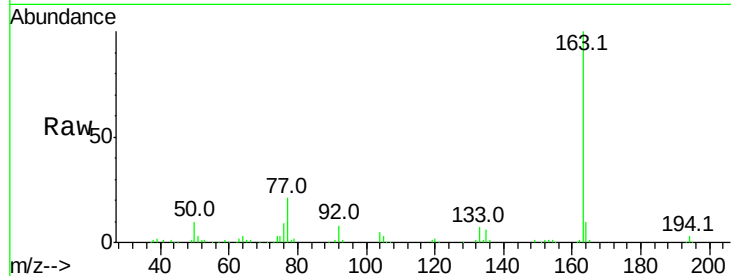
#49
Dimethylphthalate
Concen: 7.125 ng
RT: 9.26 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF097045.D
Acq: 25 Jul 2017 22:44

Instrument :
BNA_F
ClientSampled :
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Tot Ion	163	Resp	139421
Ion Ratio	Lower	Upper	
163	100		
194	2.9	2.6	4.0
164	10.0	8.4	12.6

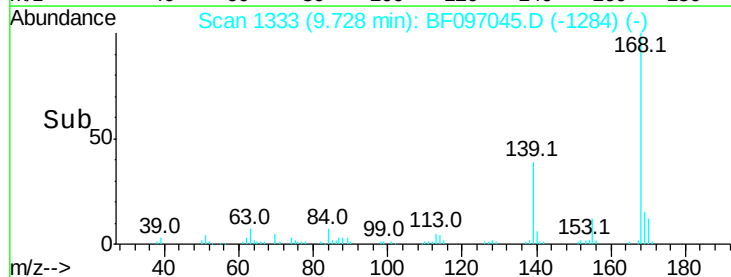
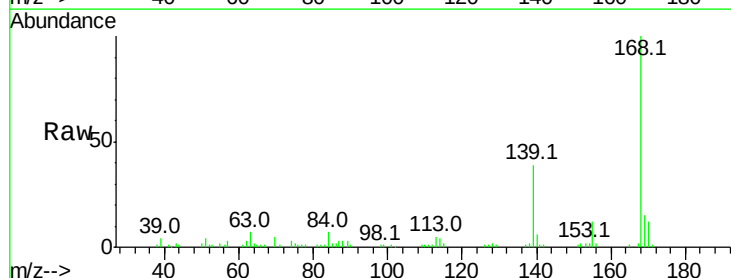
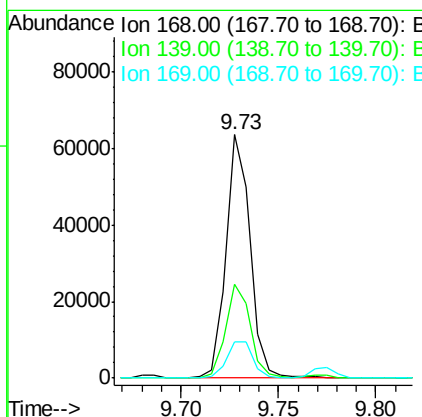
Manual Integrations
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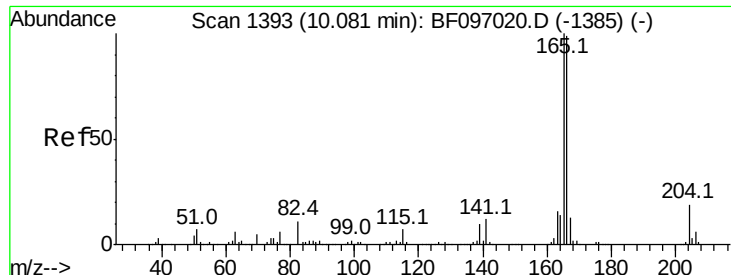
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#54
Dibenzofuran
Concen: 2.791 ng
RT: 9.73 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF097045.D
Acq: 25 Jul 2017 22:44

Tgt Ion	168	Resp	54449
Ion Ratio	Lower	Upper	
168	100		
139	38.5	30.6	45.8
169	14.9	10.8	16.2





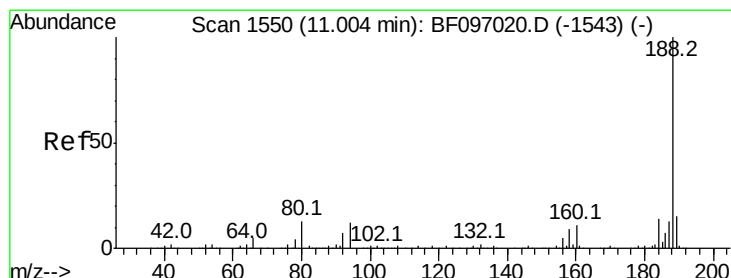
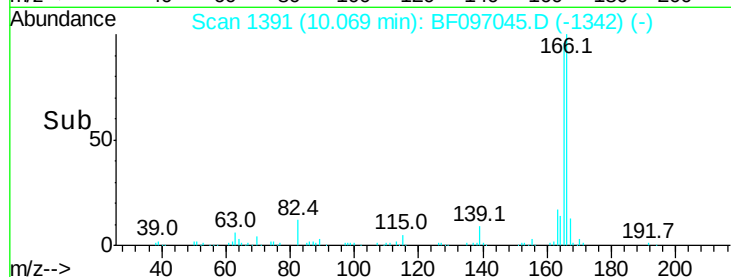
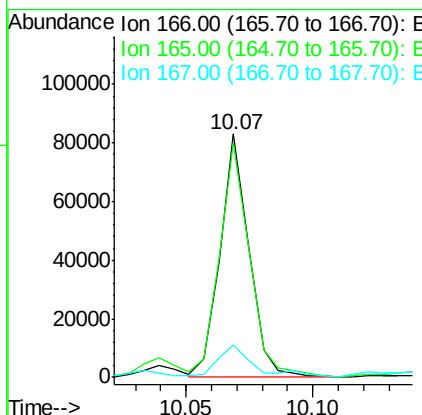
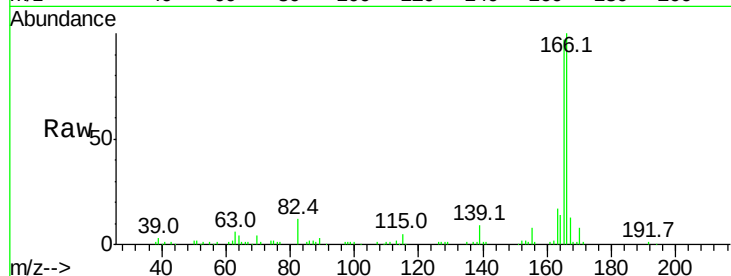
#57
Fluorene
 Concen: 4.530 ng
 RT: 10.07 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: BF097045.D
 Acq: 25 Jul 2017 22:44

Instrument :
 BNA_F
 ClientSampled :
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Tot Ion	Ratio	Resp	Lower	Upper
166	100	66404		
165	96.6		78.8	118.2
167	13.5		10.6	16.0

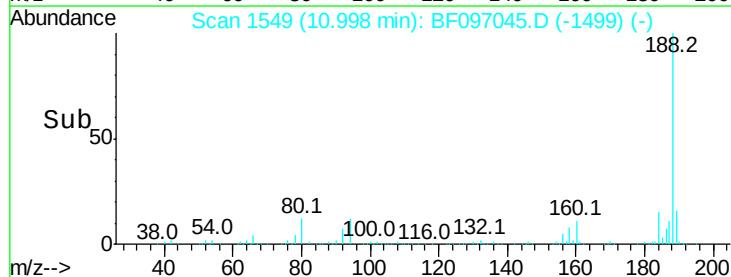
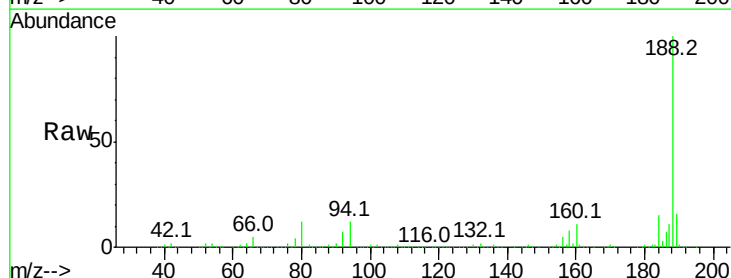
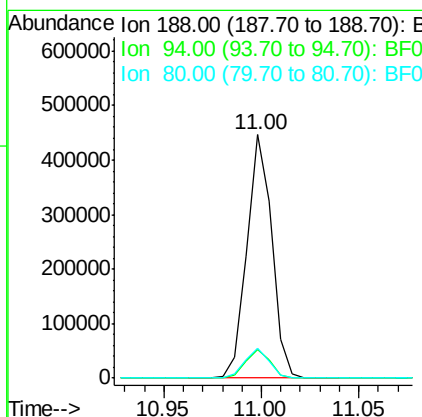
Manual Integrations
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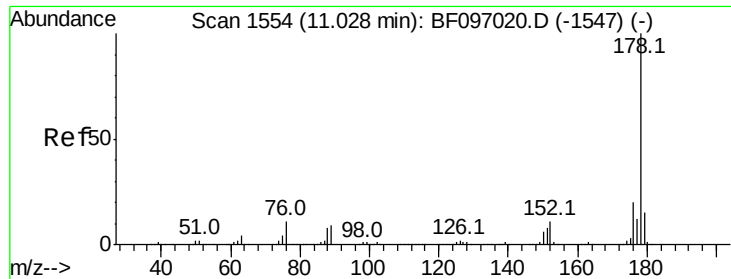
Sohil
 7/26/2017 5:58:26 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.00 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF097045.D
 Acq: 25 Jul 2017 22:44

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	394147		
94	11.6		9.4	14.2
80	12.1		10.2	15.2





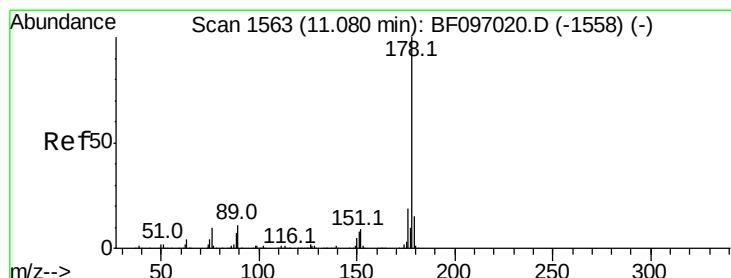
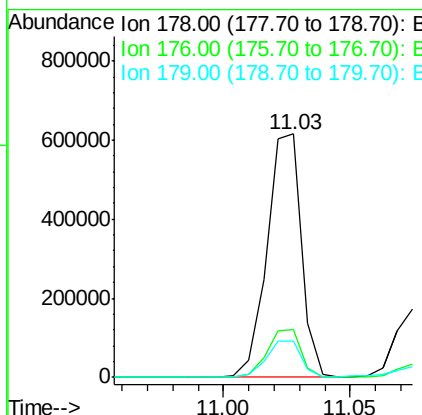
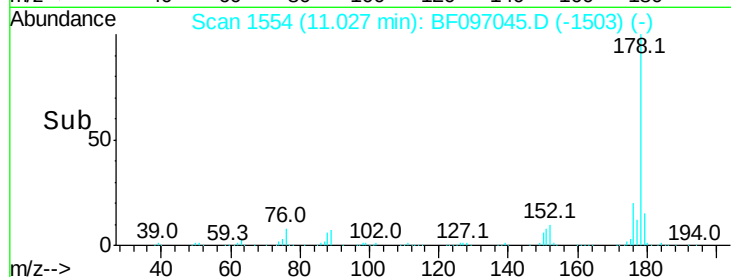
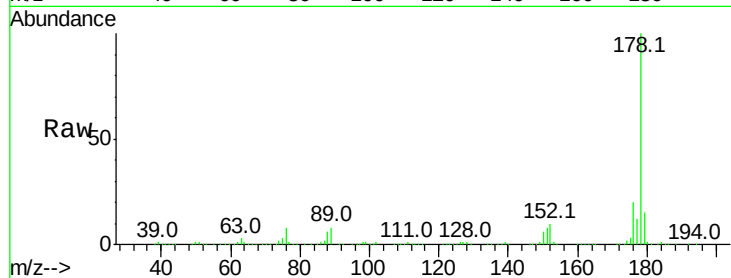
#70
Phenanthrene
Concen: 27.797 ng
RT: 11.03 min Scan# 1554
Delta R.T. -0.00 min
Lab File: BF097045.D
Acq: 25 Jul 2017 22:44

Instrument :
BNA_F
ClientSampled :
S-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.2	24.4
179	14.9	12.6	19.0

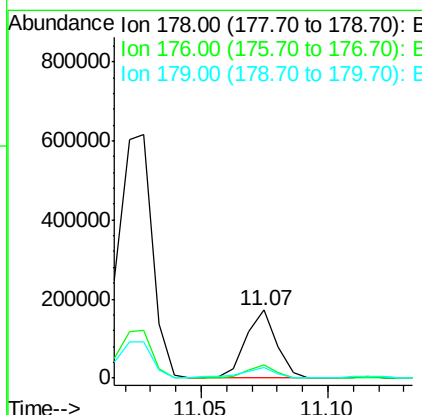
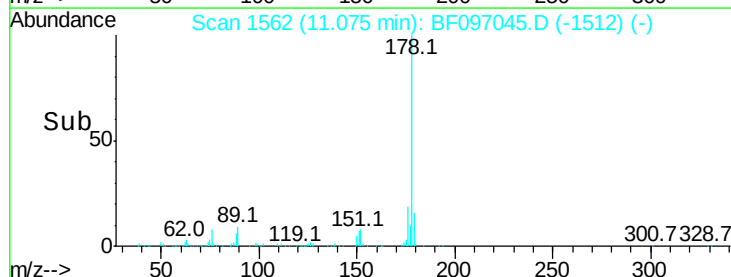
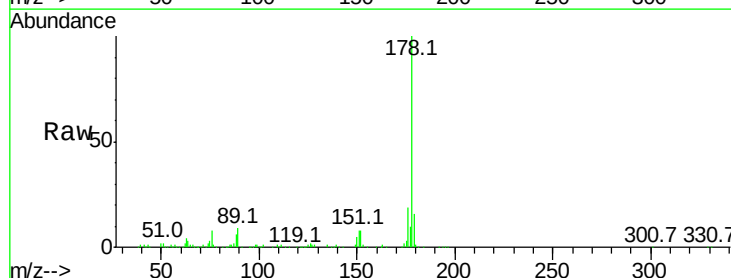
Manual Integrations
APPROVED

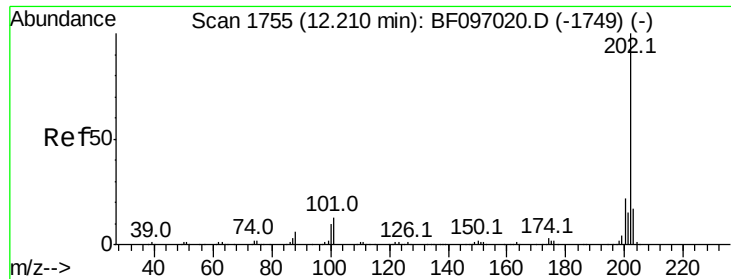
Sohil
7/26/2017 5:58:26 PM



#71
Anthracene
Concen: 6.635 ng
RT: 11.07 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF097045.D
Acq: 25 Jul 2017 22:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.8	12.7	19.1





#74

Fluoranthene

Concen: 27.700 ng

RT: 12.20 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF097045.D

Acq: 25 Jul 2017 22:44

Instrument :

BNA_F

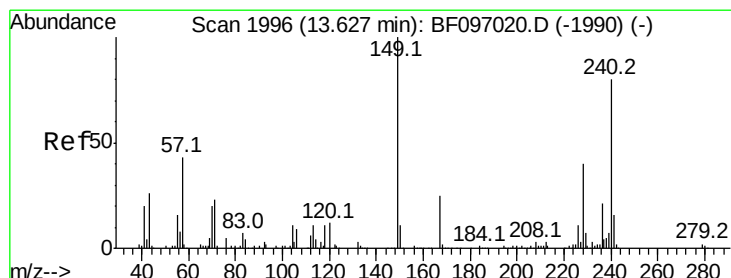
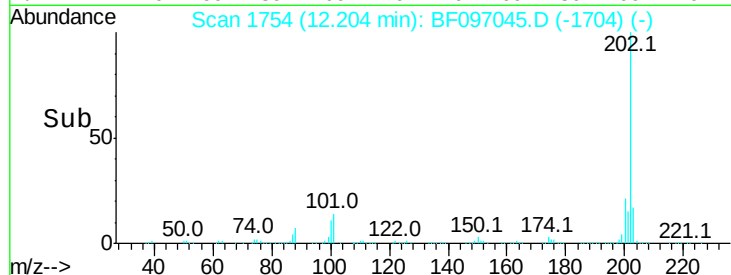
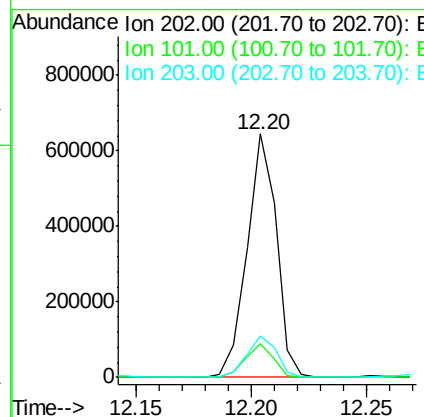
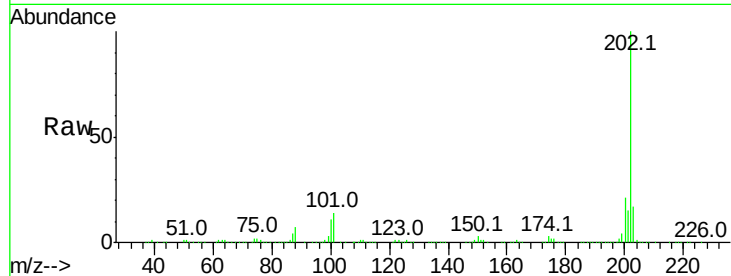
ClientSampled :

S-4

Tot Ion:	202	Resp:	573090
Ion Ratio	Lower	Upper	
202	100		
101	13.6	0.0	33.2
203	16.9	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

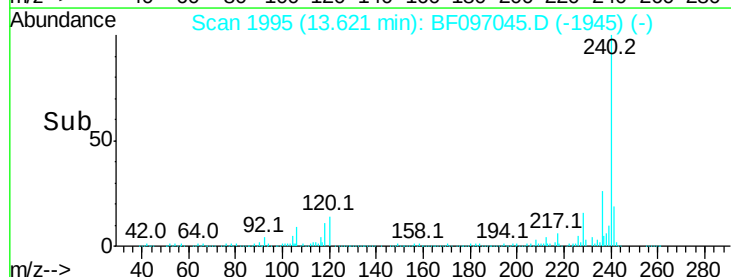
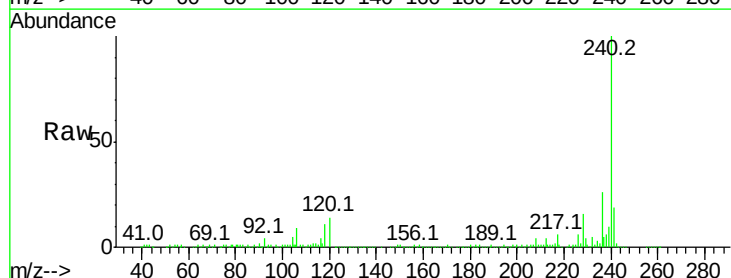
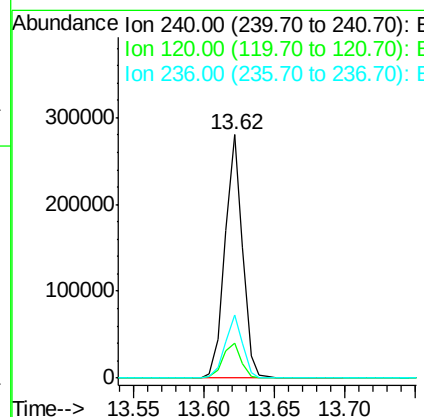
RT: 13.62 min Scan# 1995

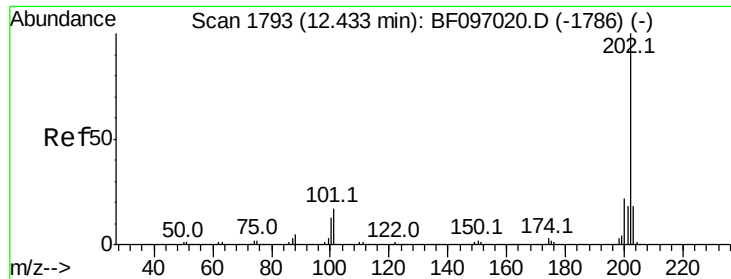
Delta R.T. -0.01 min

Lab File: BF097045.D

Acq: 25 Jul 2017 22:44

Tgt Ion:	240	Resp:	242854
Ion Ratio	Lower	Upper	
240	100		
120	14.4	5.8	8.8#
236	25.8	20.5	30.7





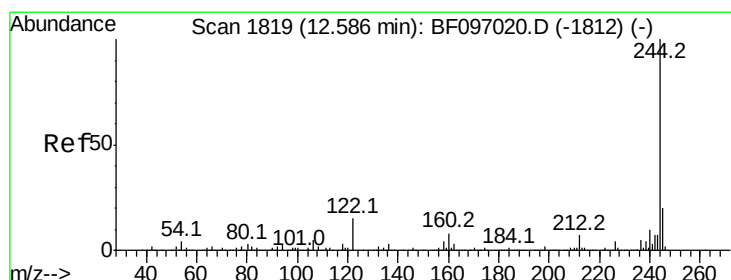
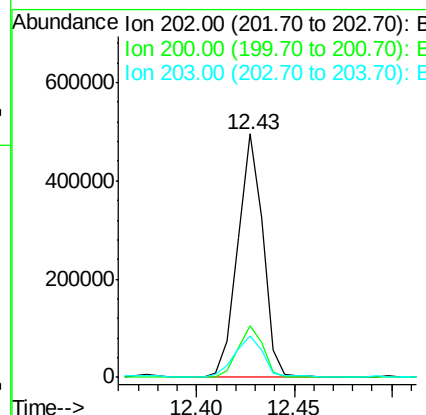
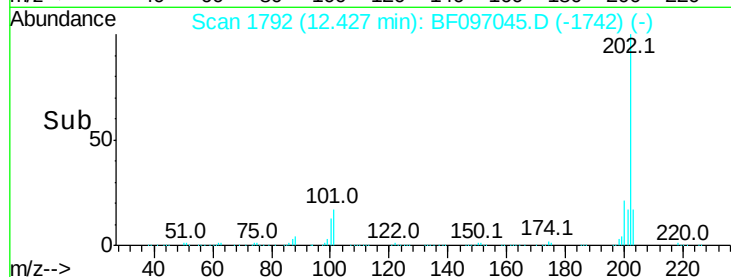
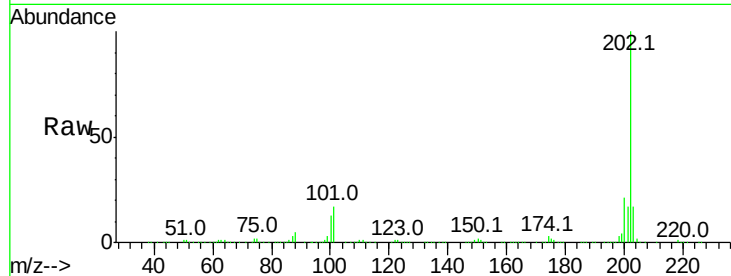
#77
Pvrene
Concen: 22.208 ng
RT: 12.43 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BF097045.D
Acq: 25 Jul 2017 22:44

Instrument :
BNA_F
ClientSampleId :
S-4

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.6	26.4
203	17.2	14.4	21.6

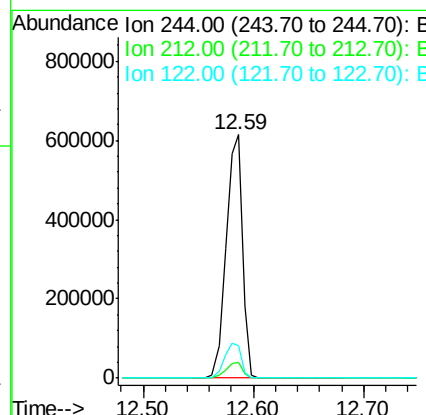
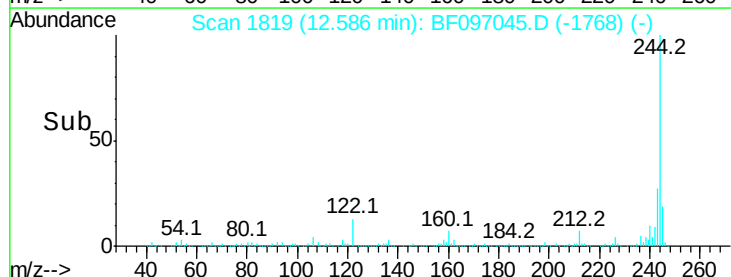
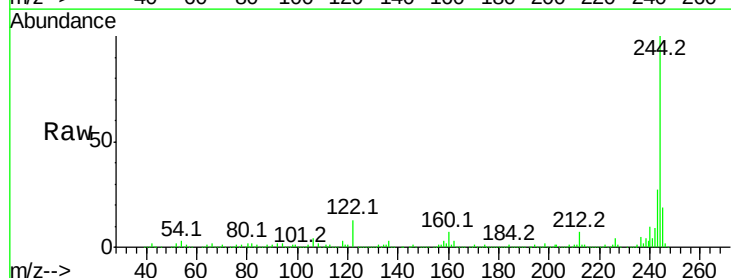
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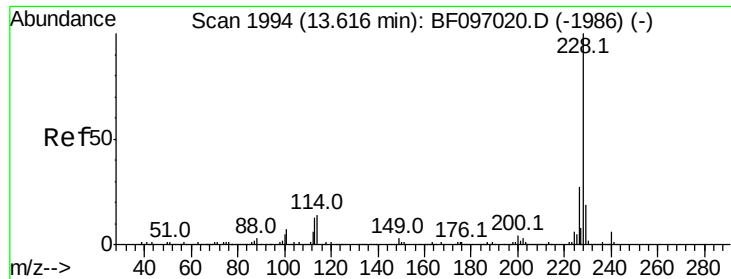
Sohil
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#78
Terphenyl-d14
Concen: 53.297 ng
RT: 12.59 min Scan# 1819
Delta R.T. -0.00 min
Lab File: BF097045.D
Acq: 25 Jul 2017 22:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	13.3	10.3	15.5





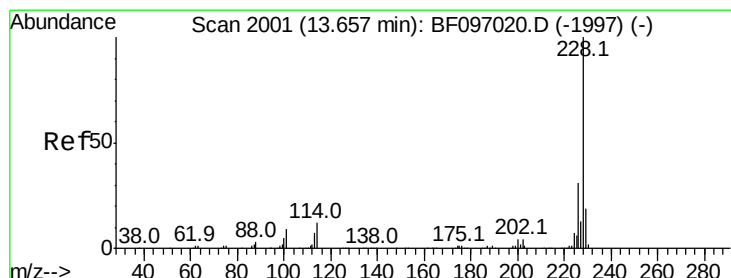
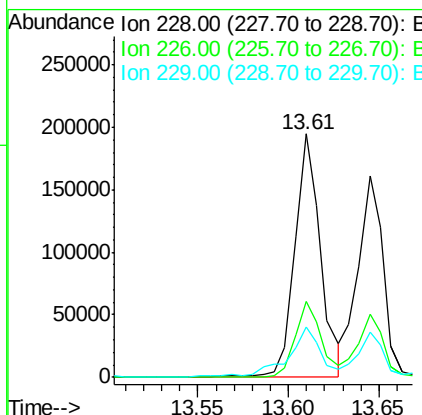
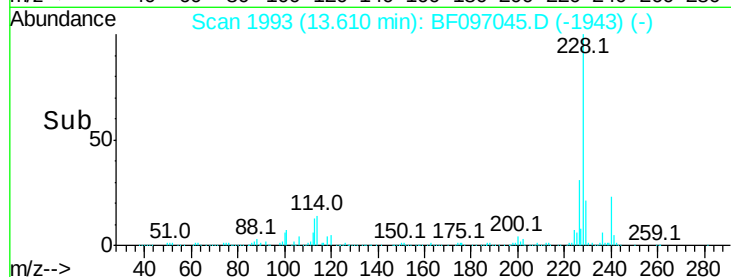
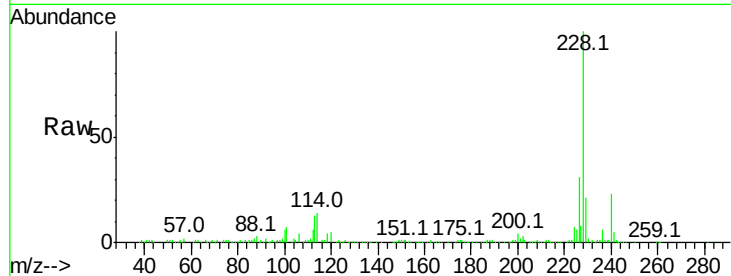
#80
Benzo(a)anthracene
Concen: 12.432 ng
RT: 13.61 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BF097045.D
Acq: 25 Jul 2017 22:44

Instrument :
BNA_F
ClientSampled :
S-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.6	33.8
229	20.8	16.3	24.5

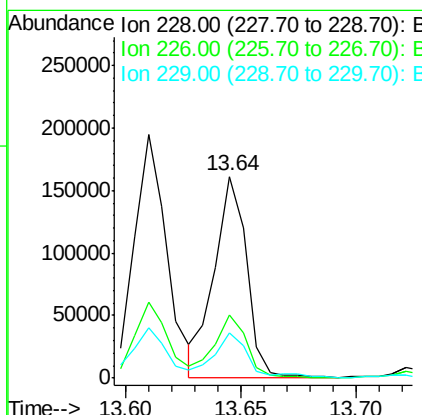
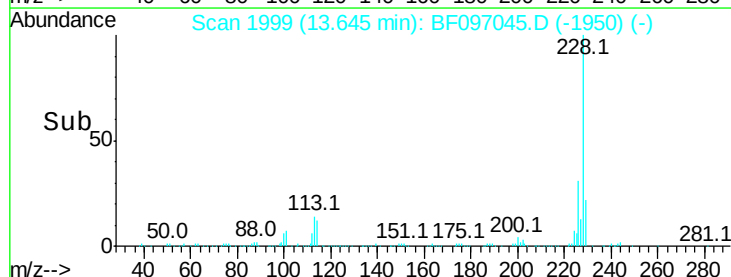
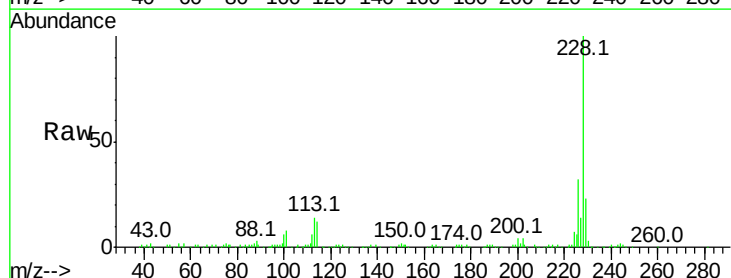
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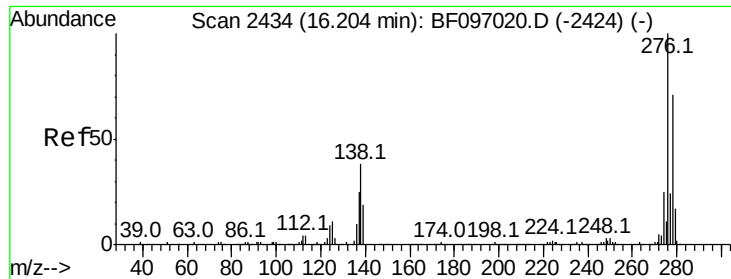
Sohil
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#82
Chrysene
Concen: 10.144 ng
RT: 13.64 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BF097045.D
Acq: 25 Jul 2017 22:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.9	37.3
229	22.6	15.8	23.6





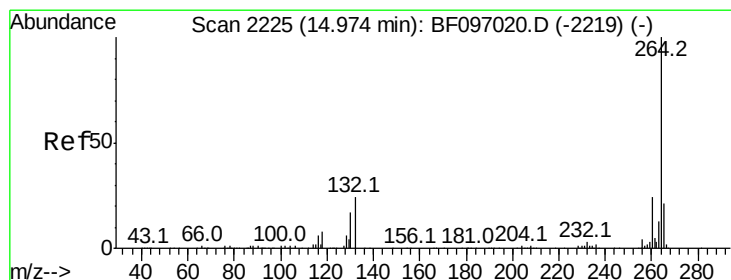
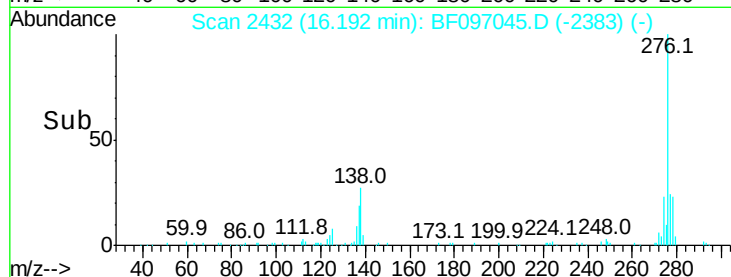
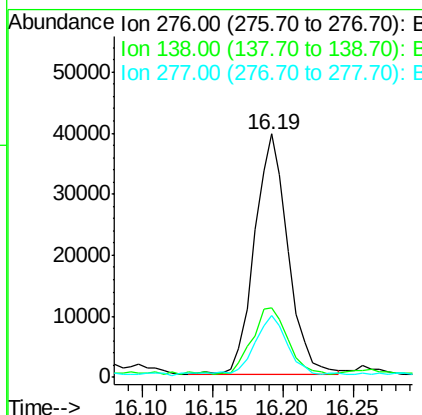
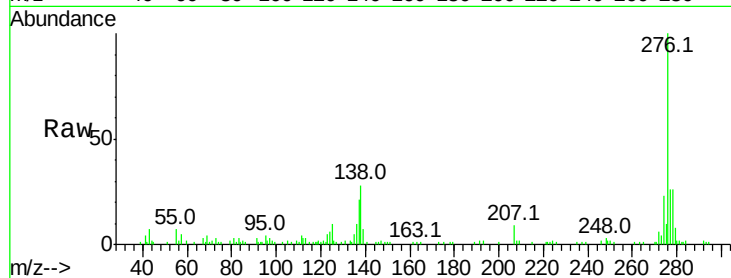
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.942 ng
RT: 16.19 min Scan# 2432
Delta R.T. -0.01 min
Lab File: BF097045.D
Acq: 25 Jul 2017 22:44

Instrument :
BNA_F
ClientSampled :
S-4

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.4	27.8	41.6
277	26.1	20.2	30.4

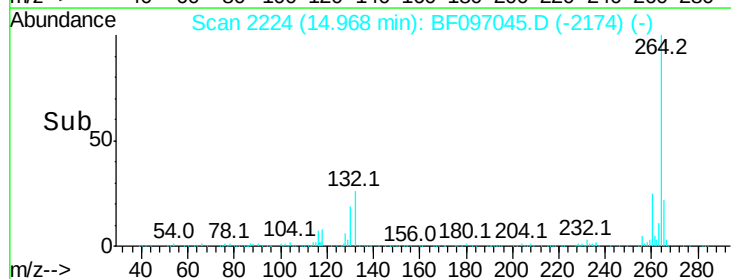
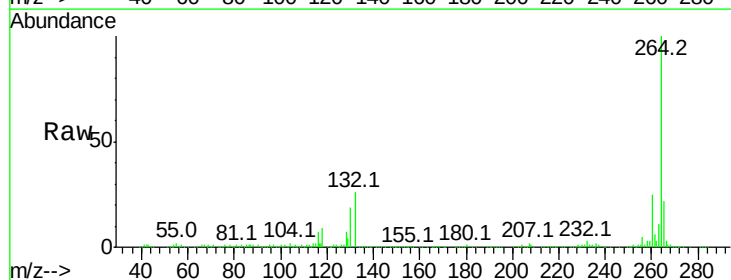
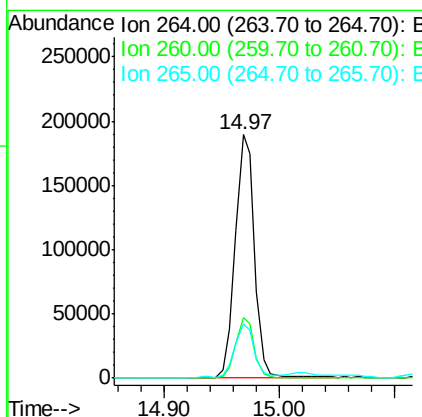
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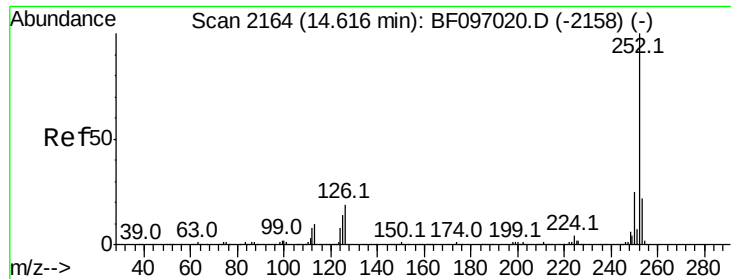
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 14.97 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF097045.D
Acq: 25 Jul 2017 22:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.5	29.3
265	22.2	17.2	25.8





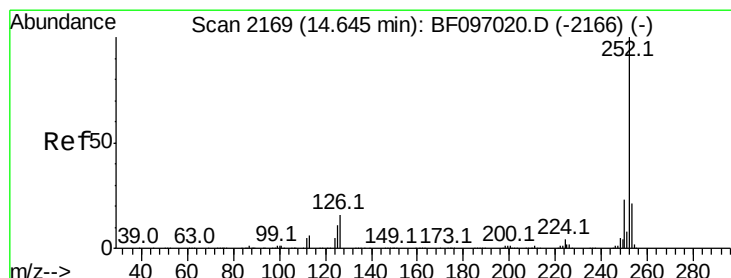
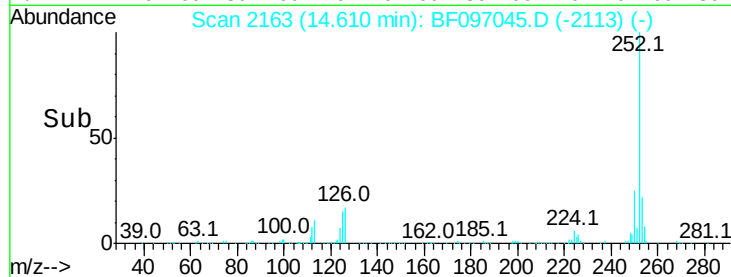
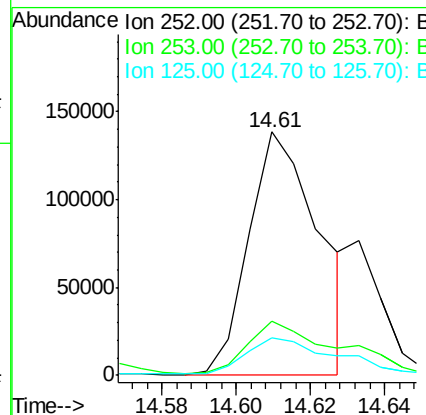
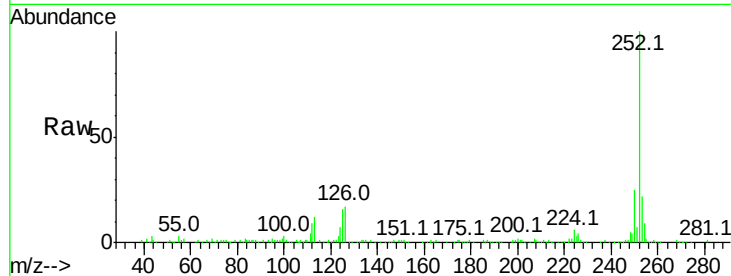
#87
Benzo(b)fluoranthene
Concen: 13.865 ng m
RT: 14.61 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF097045.D
Acq: 25 Jul 2017 22:44

Instrument :
BNA_F
ClientSampled :
S-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	15.5	9.8	14.8

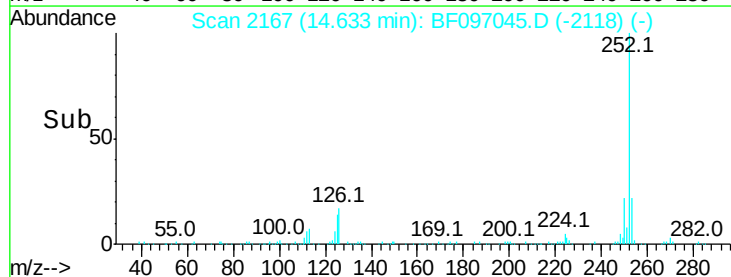
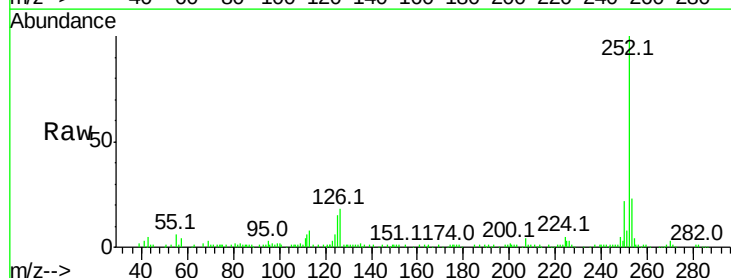
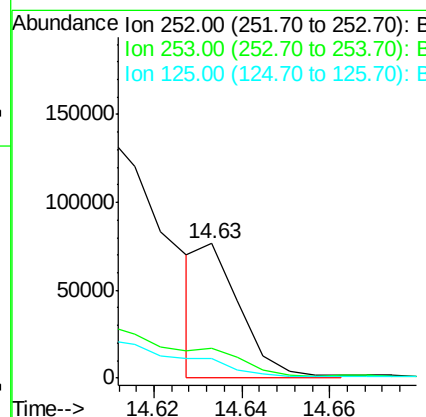
Manual Integrations
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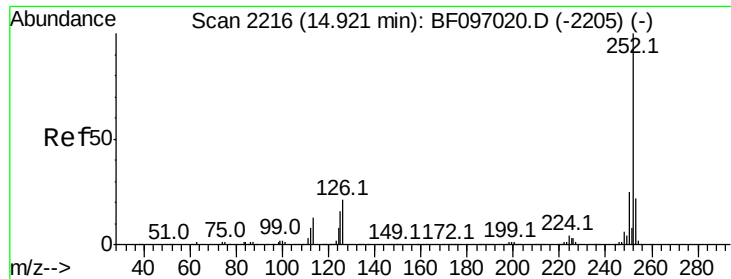
Sohil
7/26/2017 5:58:26 PM



#88
Benzo(k)fluoranthene
Concen: 3.927 ng m
RT: 14.63 min Scan# 2167
Delta R.T. -0.01 min
Lab File: BF097045.D
Acq: 25 Jul 2017 22:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.4	27.6
125	14.9	13.1	19.7





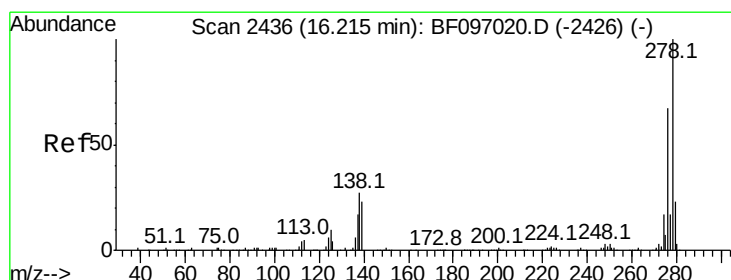
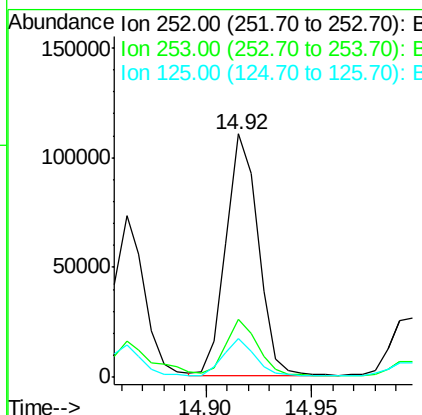
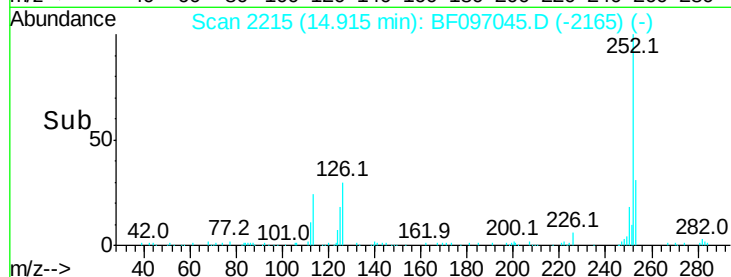
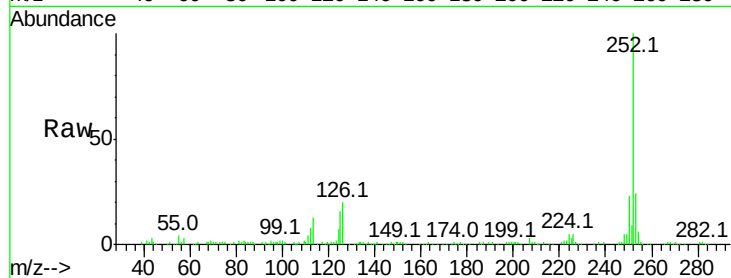
#89
Benzo(a)pyrene
Concen: 9.701 ng
RT: 14.92 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF097045.D
Acq: 25 Jul 2017 22:44

Instrument :
BNA_F
ClientSampled :
S-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	15.9	11.0	16.4

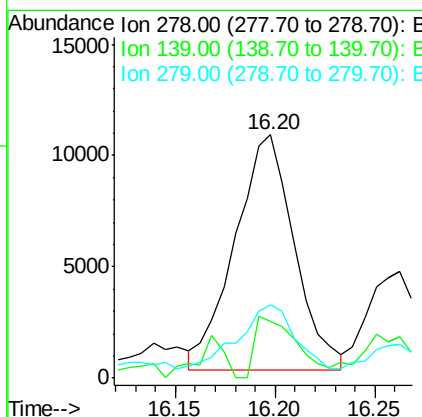
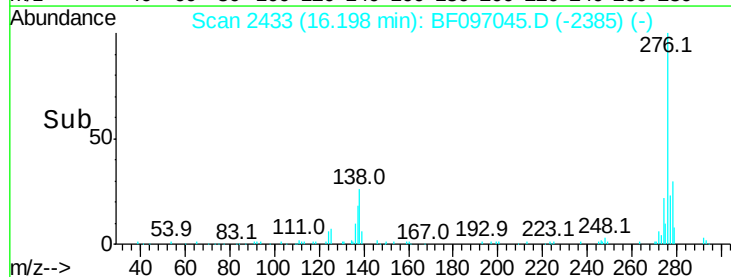
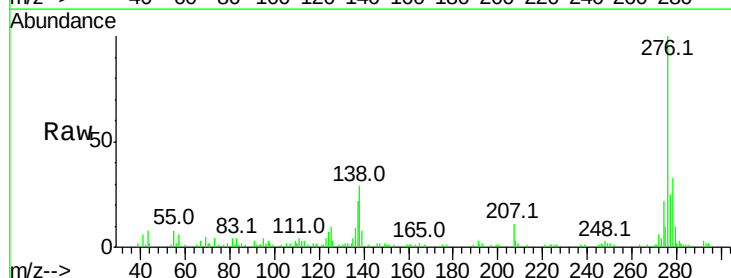
Manual Integrations
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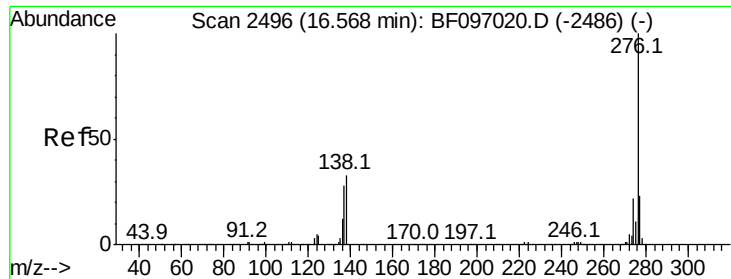
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 2.223 ng m
RT: 16.20 min Scan# 2433
Delta R.T. -0.02 min
Lab File: BF097045.D
Acq: 25 Jul 2017 22:44

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.1	16.6	24.8
279	30.2	19.3	28.9#





#91
 Benzo(a,h,i)perylene
 Concen: 5.528 ng
 RT: 16.56 min Scan# 2494
 Delta R.T. -0.01 min
 Lab File: BF097045.D
 Acq: 25 Jul 2017 22:44

Instrument :
 BNA_F
 ClientSampleId :
 S-4

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.0	18.6	28.0
138	32.7	25.4	38.0

Manual Integrations
 APPROVED

Sohil
 7/26/2017 5:58:26 PM

