

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041317\
 Data File : BF094426.D
 Acq On : 14 Apr 2017 12:07
 Operator : SJ/MA
 Sample : I2672-01
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z8-NSW

Manual Integrations
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Quant Time: Apr 14 12:38:55 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 14 01:21:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.79	152	148200	20.00	ng	-0.04
21) Naphthalene-d8	7.29	136	560312	20.00	ng	-0.05
38) Acenaphthene-d10	9.42	164	230726	20.00	ng	-0.05
63) Phenanthrene-d10	11.24	188	355542	20.00	ng	-0.05
75) Chrysene-d12	14.50	240	264669	20.00	ng	-0.05
86) Perylene-d12	16.12	264	208781	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	4.34	112	930120	106.00	ng	-0.04
7) Phenol-d6	5.42	99	1152548	106.18	ng	-0.05
23) Nitrobenzene-d5	6.43	82	696067	70.90	ng	-0.05
41) 2,4,6-Tribromophenol	10.40	330	176677	96.90	ng	-0.05
44) 2-Fluorobiphenyl	8.61	172	1141904	75.49	ng	-0.05
78) Terphenyl-d14	13.23	244	732165	62.01	ng	-0.05
Target Compounds						Qvalue
10) Phenol	5.43	94	55386	4.48	ng	86
31) Naphthalene	7.31	128	62854	2.33	ng	99
49) Dimethylphthalate	9.11	163	209260	12.76	ng	99
51) Acenaphthene	9.46	154	55447	3.92	ng	96
57) Fluorene	10.10	166	74448	4.67	ng	99
70) Phenanthrene	11.28	178	877355	44.36	ng	98
71) Anthracene	11.34	178	223945	11.00	ng	98
74) Fluoranthene	12.74	202	686014	33.87	ng	99
77) Pyrene	13.02	202	788957	41.07	ng	99
80) Benzo(a)anthracene	14.48	228	304548	19.73	ng	98
82) Chrysene	14.53	228	277004	19.34	ng	97
85) Indeno(1,2,3-cd)pyrene	17.40	276	76935	6.20	ng	95
87) Benzo(b)fluoranthene	15.72	252	211793m	16.55	ng	
88) Benzo(k)fluoranthene	15.74	252	77870m	6.22	ng	
89) Benzo(a)pyrene	16.06	252	176255	14.96	ng	99
90) Dibenzo(a,h)anthracene	17.41	278	21093m	2.11	ng	
91) Benzo(g,h,i)perylene	17.78	276	79839	7.94	ng	99

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

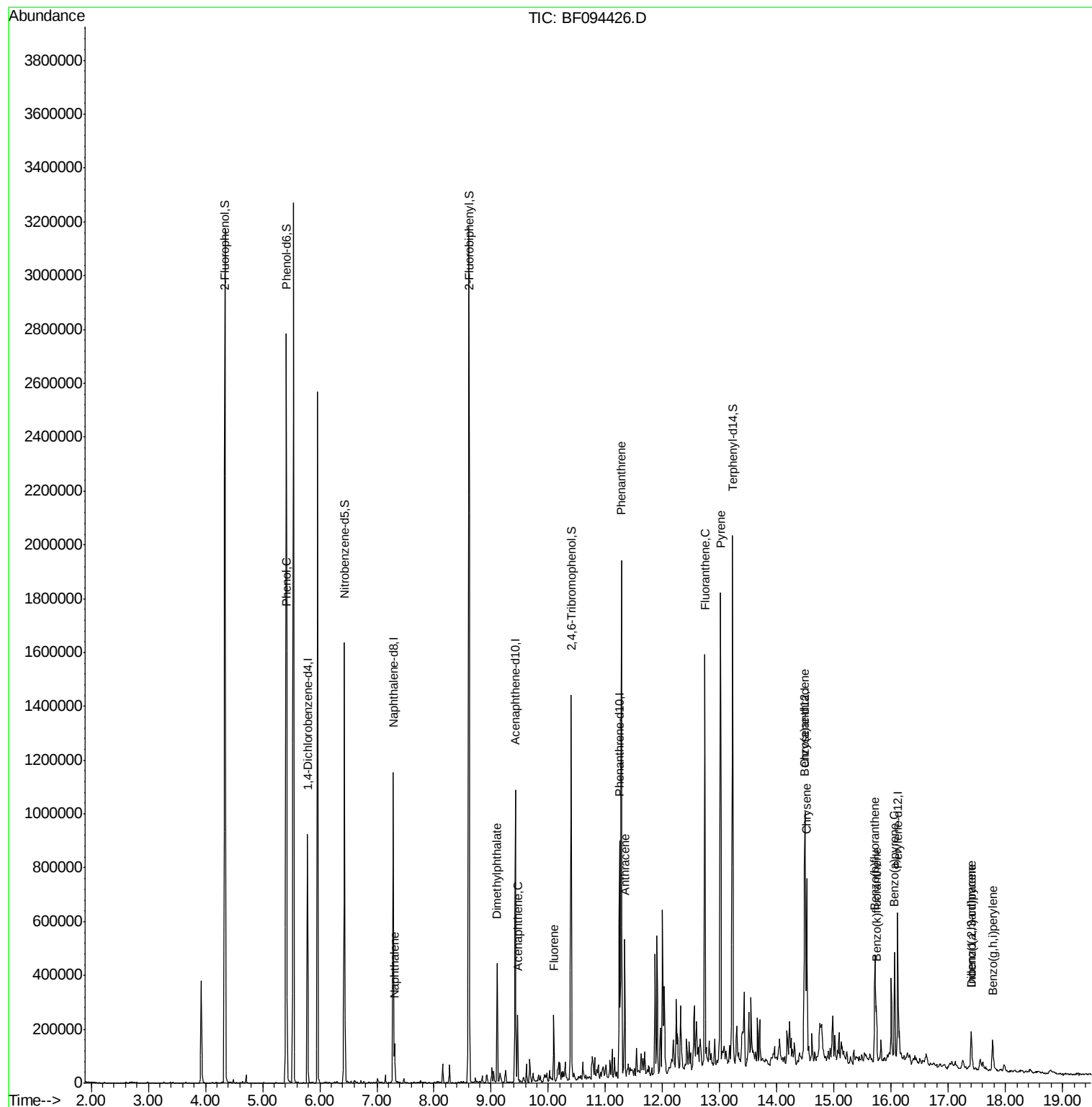
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041317\
Data File : BF094426.D
Acq On : 14 Apr 2017 12:07
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Sample : I2672-01
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ALS Vial : 37 Sample Multiplier: 1

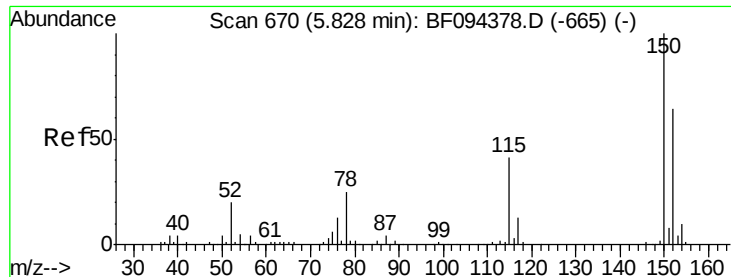
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

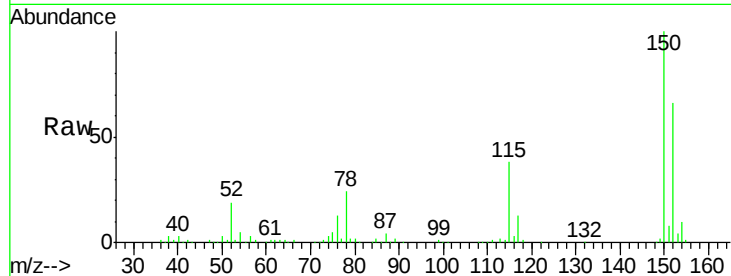
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.79 min Scan# 663
Delta R.T. -0.04 min
Lab File: BF094426.D
Acq: 14 Apr 2017 12:07

Instrument :
BNA_F
ClientSampleId :
E2-Z8-NSW

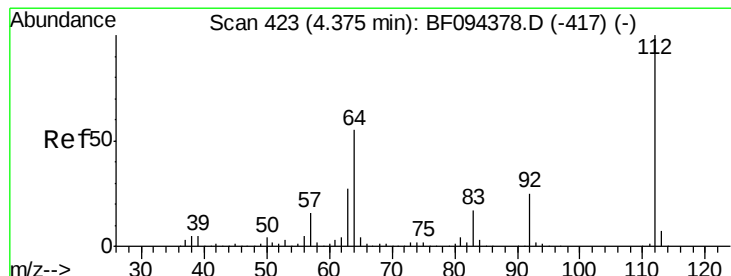
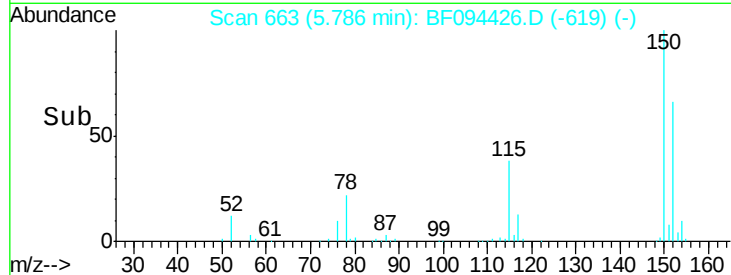
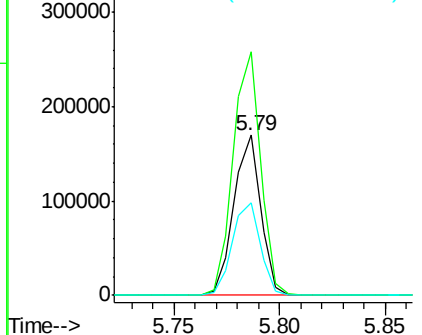
Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.1	126.2	189.2
115	57.5	52.2	78.2

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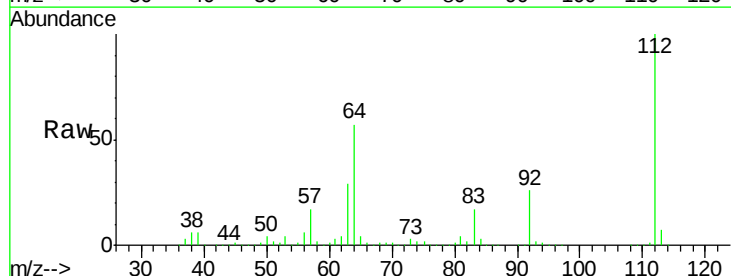
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



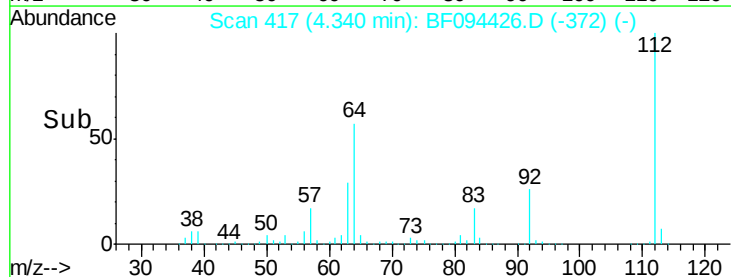
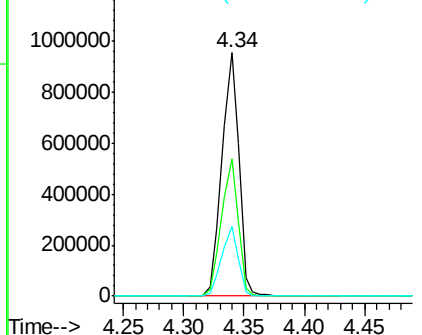
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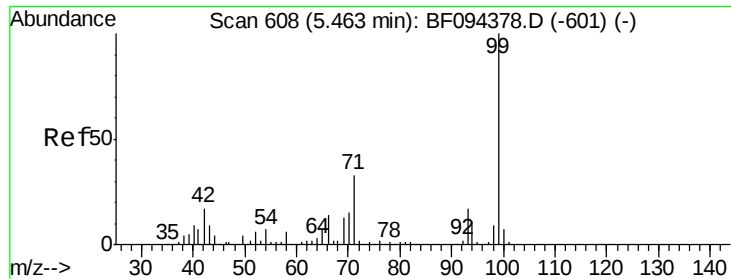
2-Fluorophenol
Concen: 106.00 ng
RT: 4.34 min Scan# 417
Delta R.T. -0.04 min
Lab File: BF094426.D
Acq: 14 Apr 2017 12:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	46.0	69.0
63	28.5	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: 106.18 ng

RT: 5.42 min Scan# 600

Delta R.T. -0.05 min

Lab File: BF094426.D

Acq: 14 Apr 2017 12:07

Instrument :

BNA_F

ClientSampleId :

E2-Z8-NSW

Tgt Ion: 99 Resp: 1152548

Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

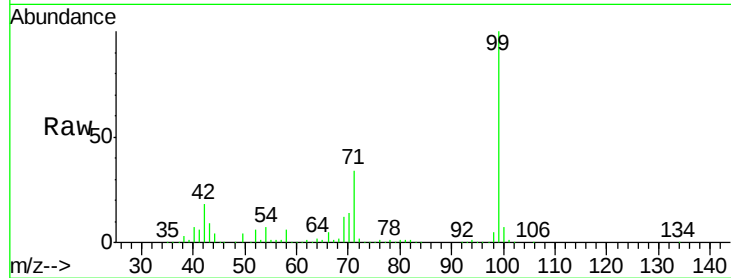
71 33.9 24.5 36.7

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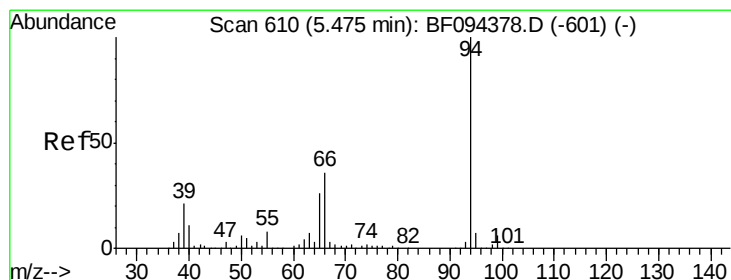
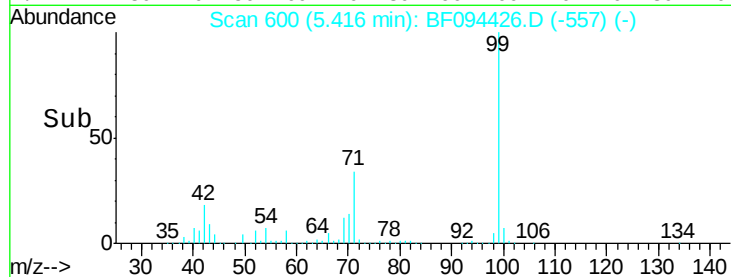
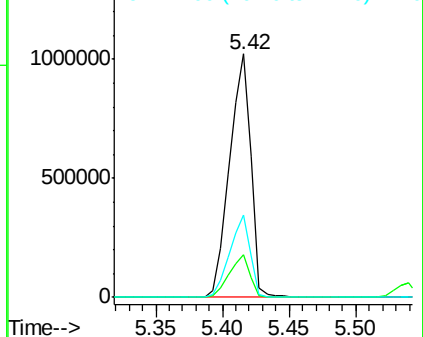
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 4.48 ng

RT: 5.43 min Scan# 602

Delta R.T. -0.05 min

Lab File: BF094426.D

Acq: 14 Apr 2017 12:07

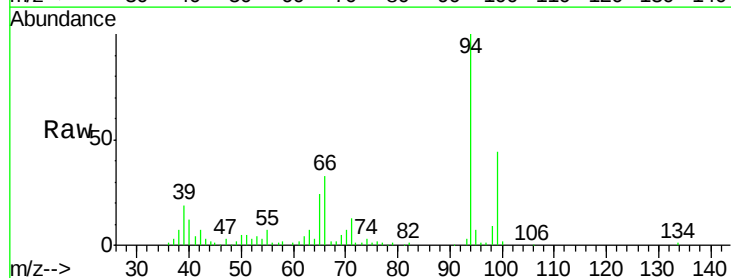
Tgt Ion: 94 Resp: 55386

Ion Ratio Lower Upper

94 100

65 24.2 9.9 49.9

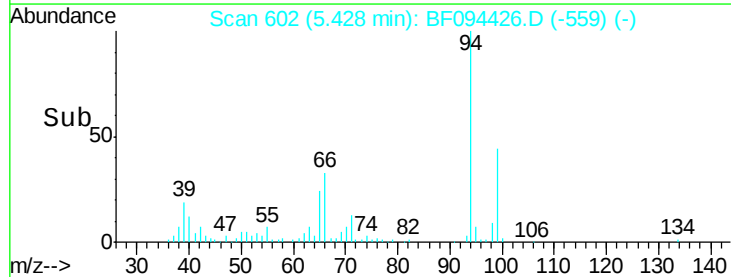
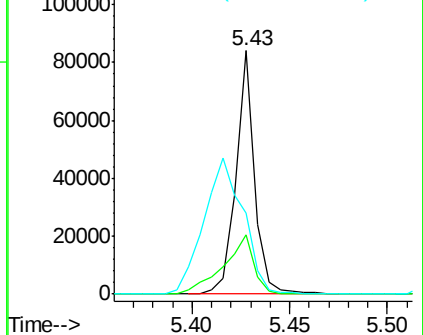
66 33.1 23.1 63.1

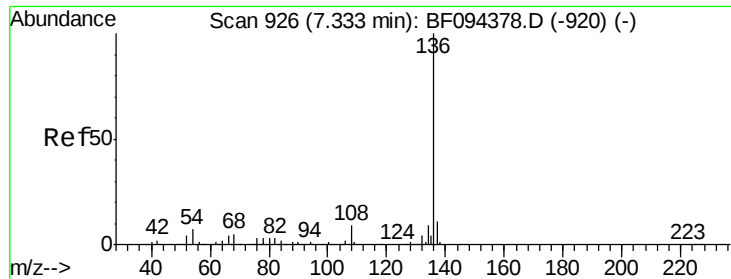


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





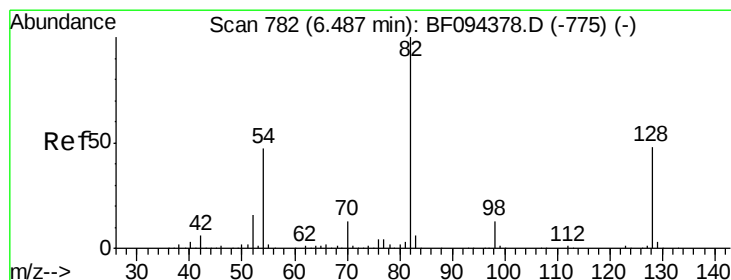
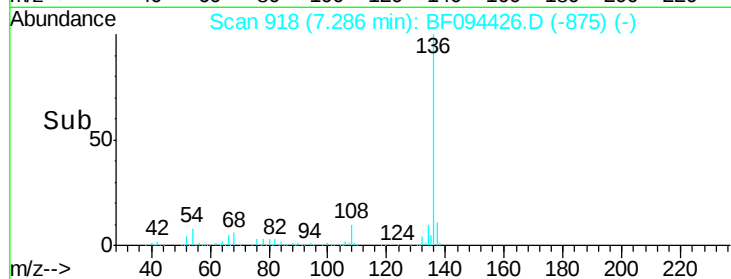
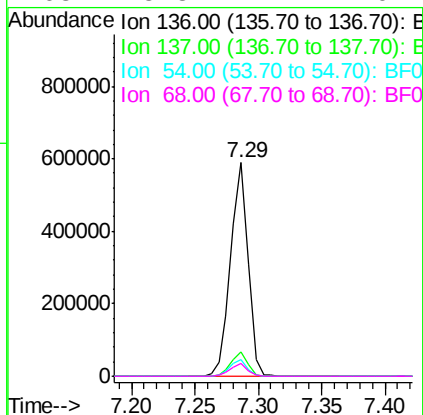
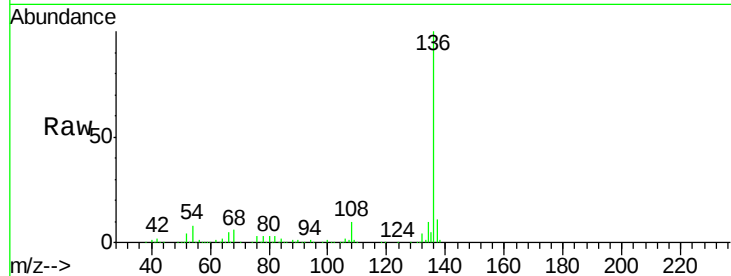
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.29 min Scan# 918
Delta R.T. -0.05 min
Lab File: BF094426.D
Acq: 14 Apr 2017 12:07

Instrument :
BNA_F
ClientSampleId :
E2-Z8-NSW

Tgt Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	11.2	8.5	12.7
54	7.6	4.9	7.3#
68	5.8	4.1	6.1

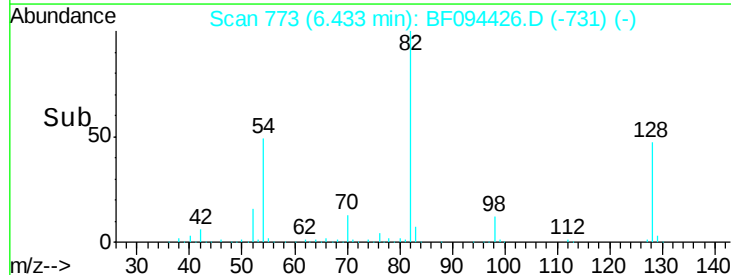
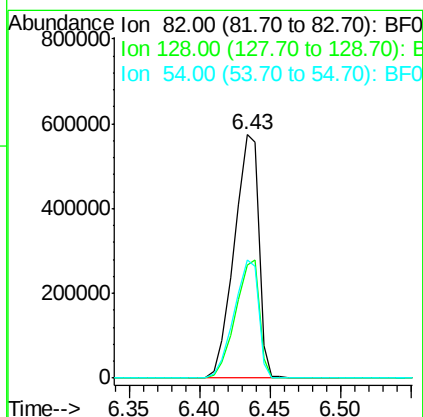
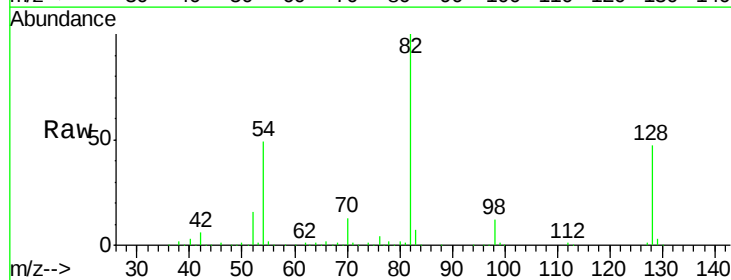
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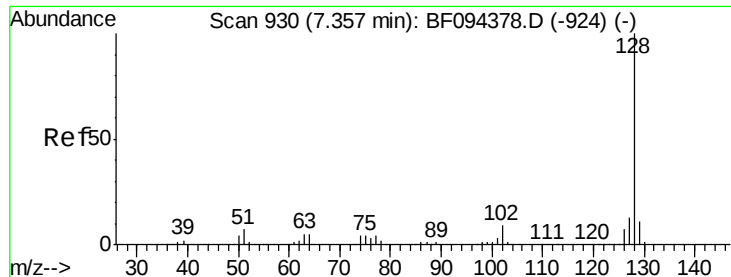
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#23
Nitrobenzene-d5
Concen: 70.90 ng
RT: 6.43 min Scan# 773
Delta R.T. -0.05 min
Lab File: BF094426.D
Acq: 14 Apr 2017 12:07

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	46.6	34.0	51.0
54	48.7	42.2	63.2





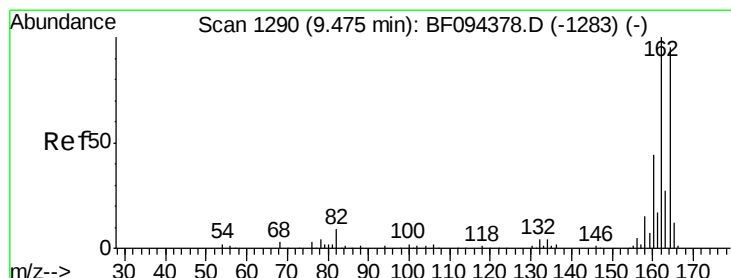
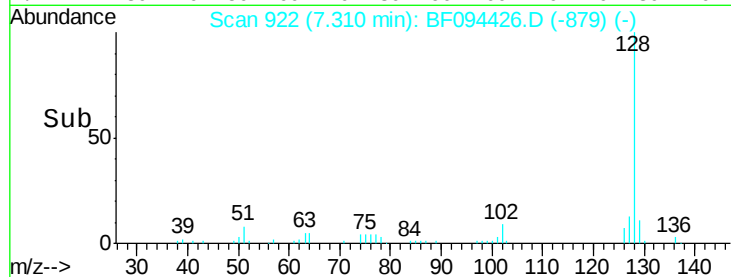
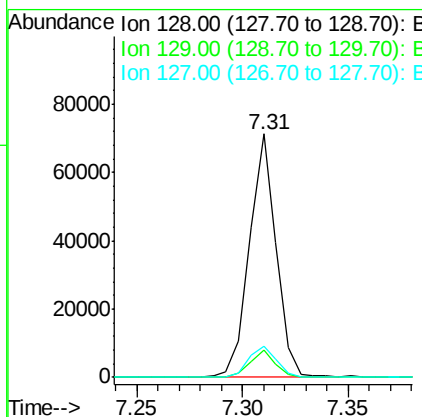
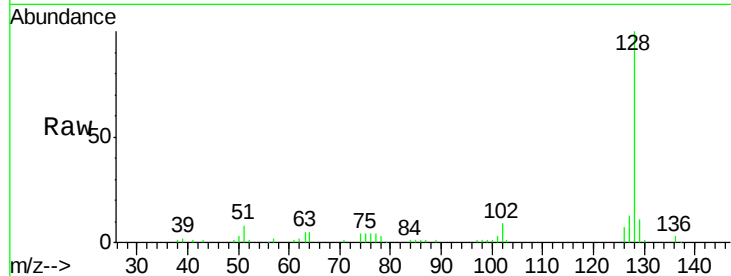
#31
Naphthalene
Concen: 2.33 ng
RT: 7.31 min Scan# 922
Delta R.T. -0.05 min
Lab File: BF094426.D
Acq: 14 Apr 2017 12:07

Instrument :
BNA_F
ClientSampleId :
E2-Z8-NSW

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	62854		
129	11.4	9.0	13.6	
127	12.8	10.8	16.2	

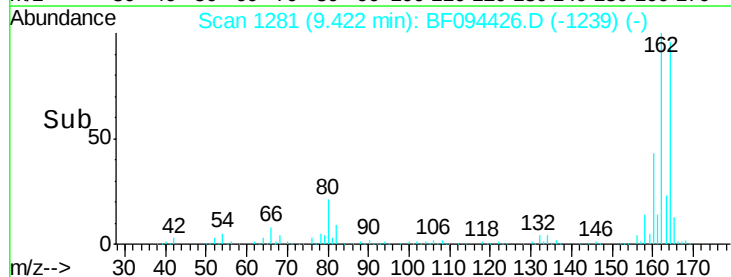
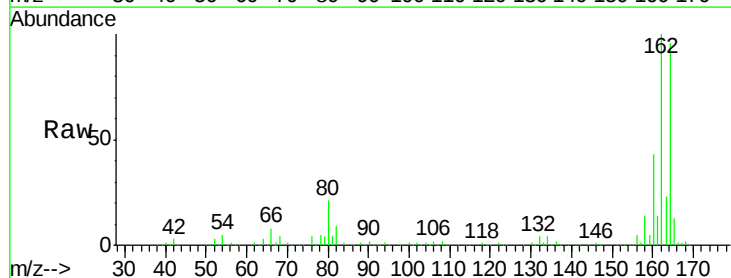
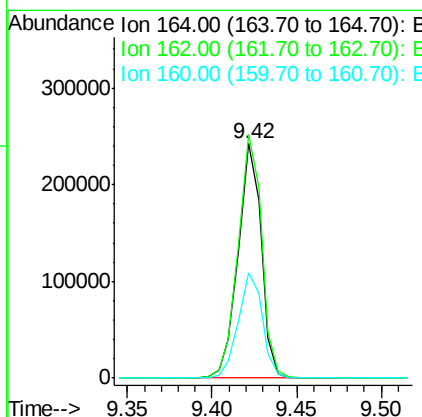
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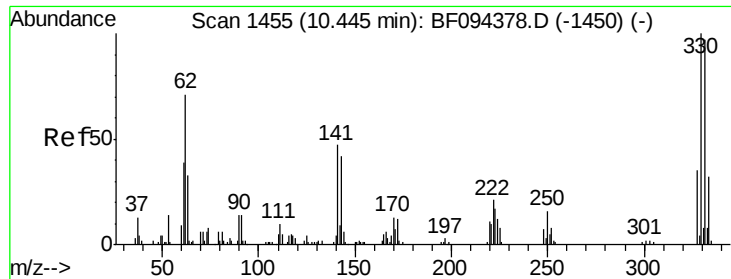
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.42 min Scan# 1281
Delta R.T. -0.05 min
Lab File: BF094426.D
Acq: 14 Apr 2017 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	230726		
162	103.8	82.6	123.8	
160	44.8	36.2	54.2	





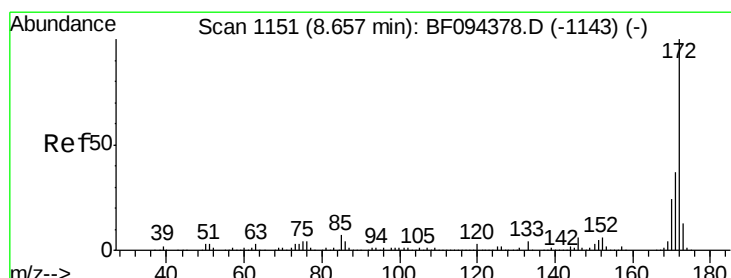
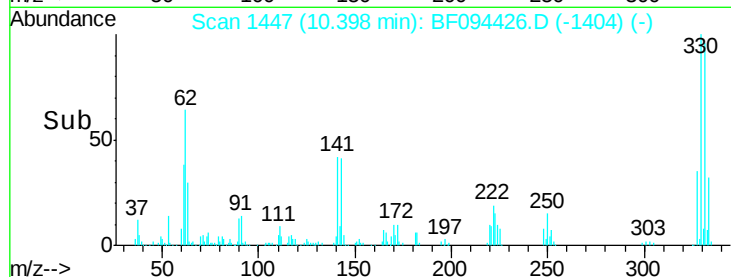
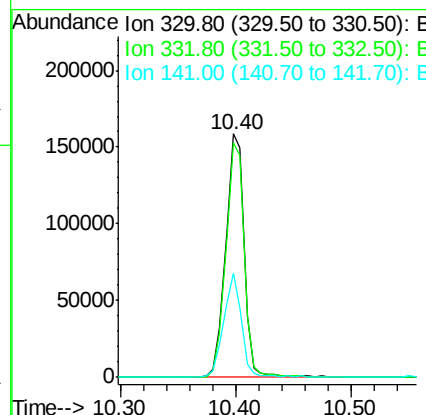
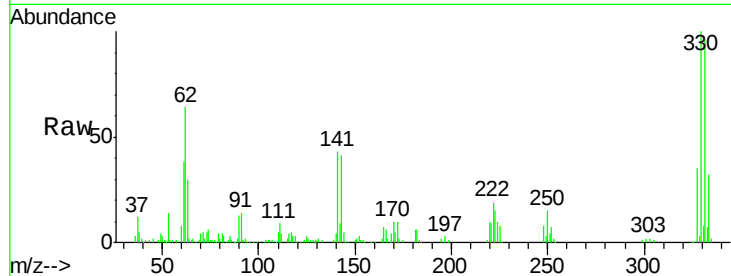
#41
 2,4,6-Tribromophenol
 Concen: 96.90 ng
 RT: 10.40 min Scan# 1447
 Delta R.T. -0.05 min
 Lab File: BF094426.D
 Acq: 14 Apr 2017 12:07

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z8-NSW

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	176677		
332	96.4	76.6	115.0	
141	40.5	31.4	47.2	

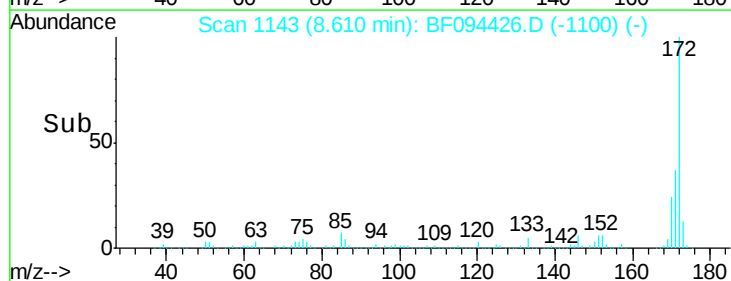
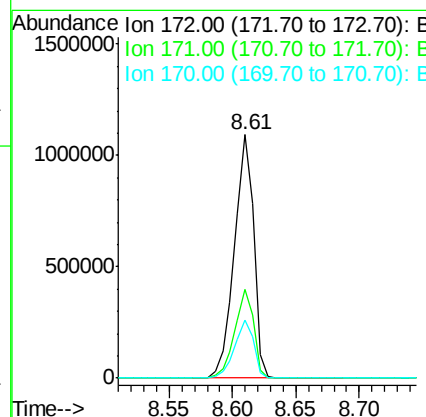
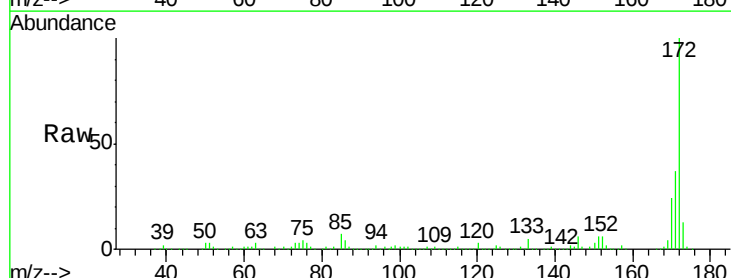
Manual Integrations
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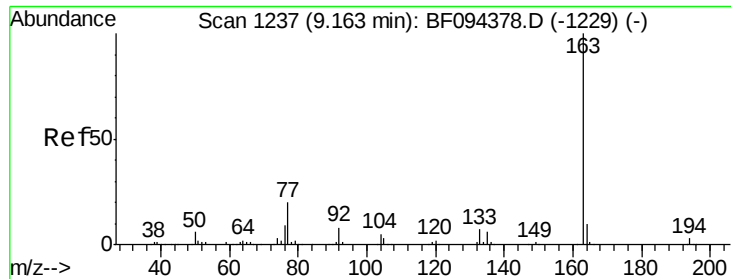
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#44
 2-Fluorobiphenyl
 Concen: 75.49 ng
 RT: 8.61 min Scan# 1143
 Delta R.T. -0.05 min
 Lab File: BF094426.D
 Acq: 14 Apr 2017 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1141904		
171	36.6	29.6	44.4	
170	23.8	19.8	29.8	





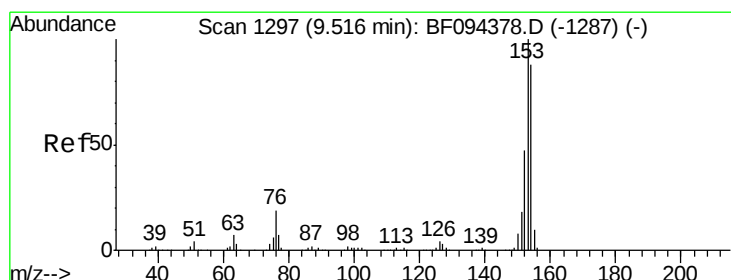
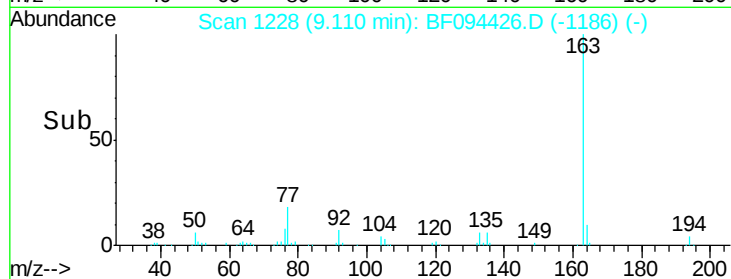
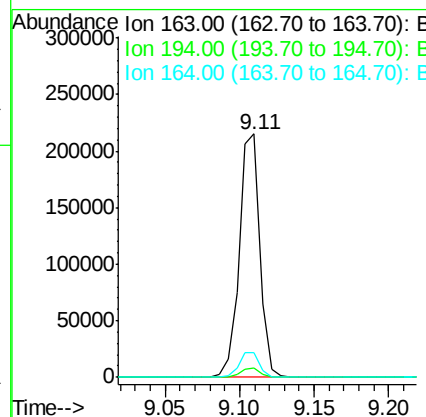
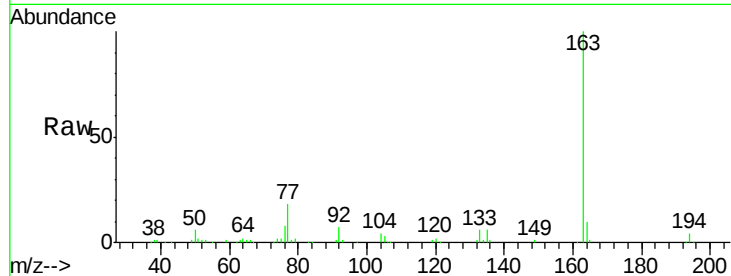
#49
Dimethylphthalate
Concen: 12.76 ng
RT: 9.11 min Scan# 1228
Delta R.T. -0.05 min
Lab File: BF094426.D
Acq: 14 Apr 2017 12:07

Instrument :
BNA_F
ClientSampleId :
E2-Z8-NSW

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	209260		
194	3.6		2.6	4.0
164	10.0		8.4	12.6

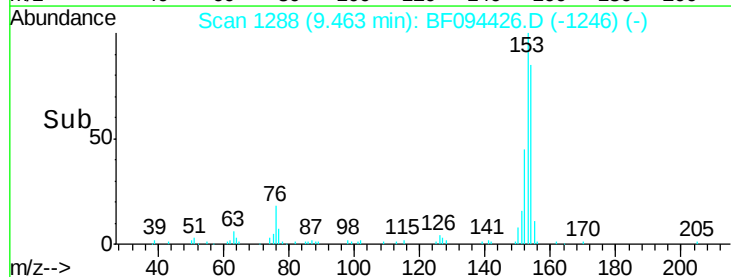
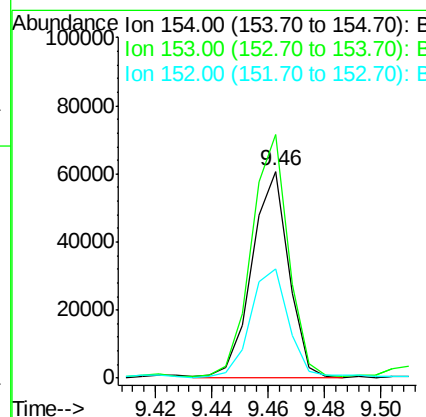
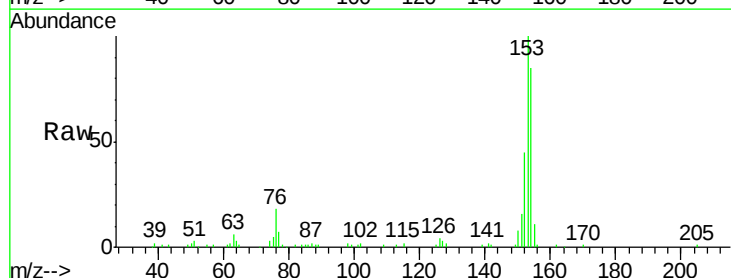
Manual Integrations
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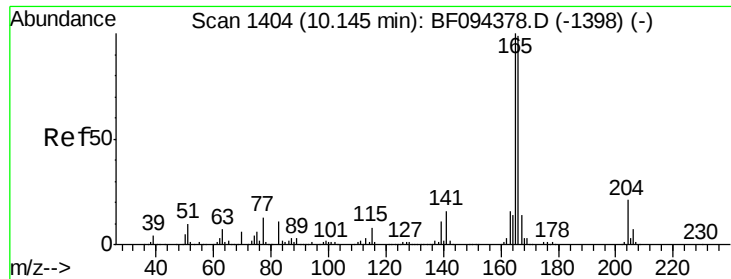
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#51
Acenaphthene
Concen: 3.92 ng
RT: 9.46 min Scan# 1288
Delta R.T. -0.05 min
Lab File: BF094426.D
Acq: 14 Apr 2017 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	55447		
153	117.7		90.5	135.7
152	52.5		43.6	65.4





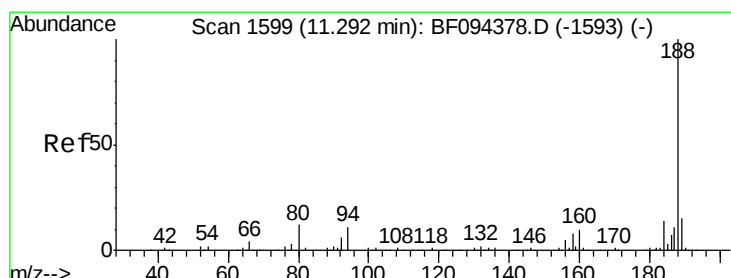
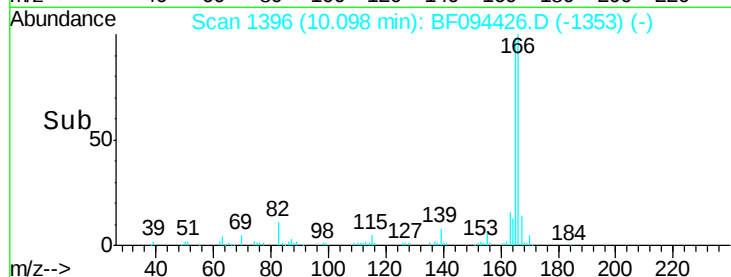
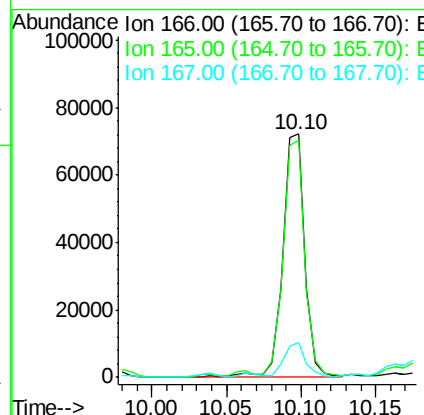
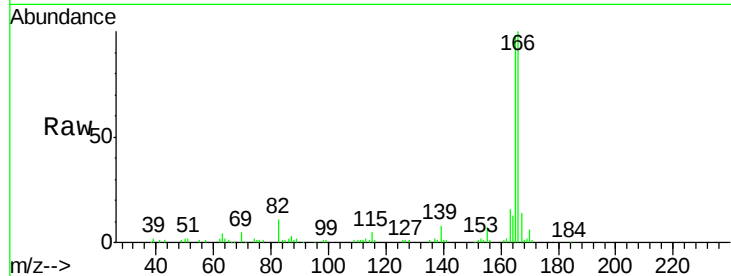
#57
 Fluorene
 Concen: 4.67 ng
 RT: 10.10 min Scan# 1396
 Delta R.T. -0.05 min
 Lab File: BF094426.D
 Acq: 14 Apr 2017 12:07

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z8-NSW

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	74448		
165	97.6		78.8	118.2
167	14.4		10.6	16.0

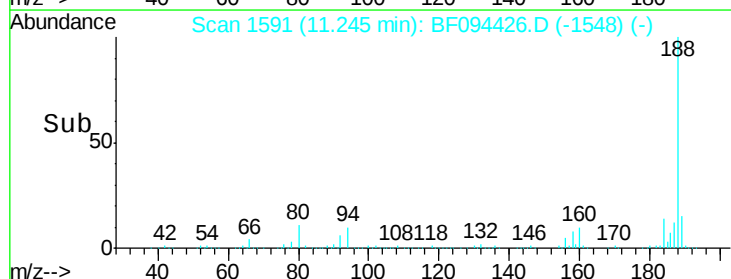
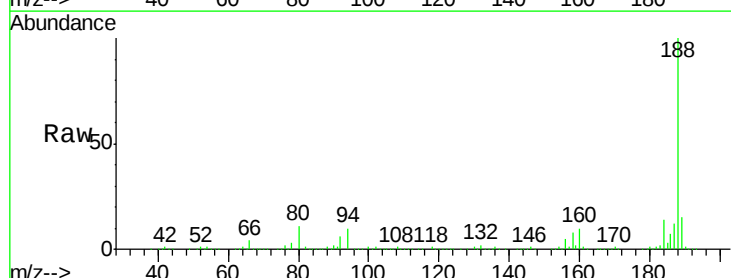
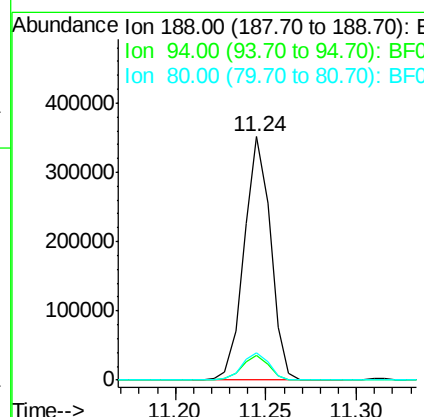
Manual Integrations
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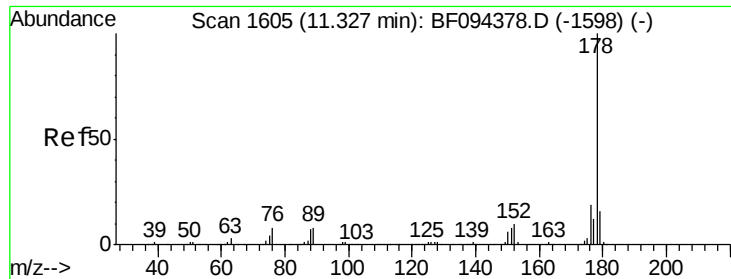
mohammad
 4/14/2017 1:36:11 PM



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.24 min Scan# 1591
 Delta R.T. -0.05 min
 Lab File: BF094426.D
 Acq: 14 Apr 2017 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	355542		
94	10.2		9.4	14.2
80	11.3		10.2	15.2





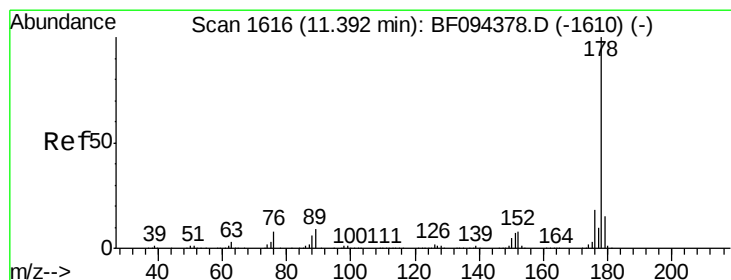
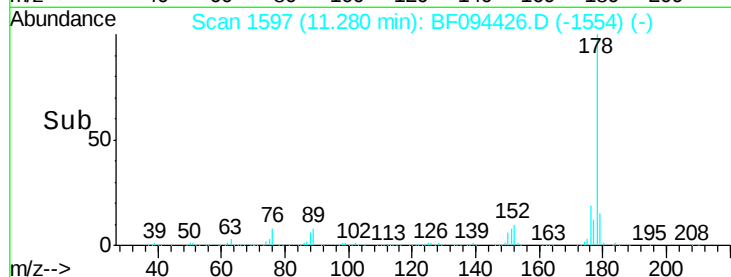
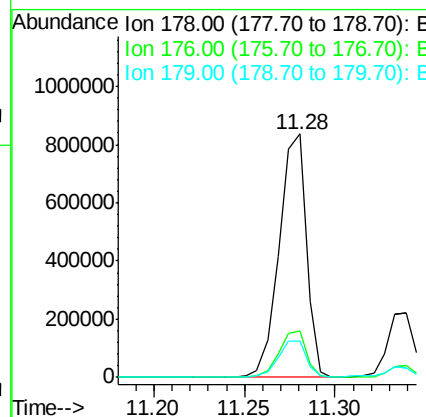
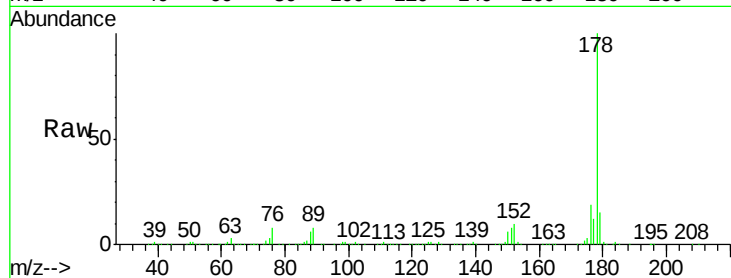
#70
Phenanthrene
Concen: 44.36 ng
RT: 11.28 min Scan# 1597
Delta R.T. -0.05 min
Lab File: BF094426.D
Acq: 14 Apr 2017 12:07

Instrument :
BNA_F
ClientSampleId :
E2-Z8-NSW

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.2	24.4
179	14.9	12.6	19.0

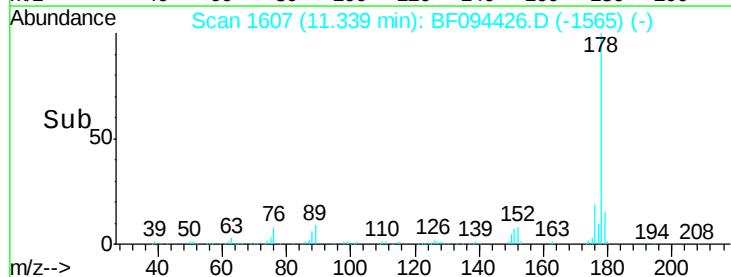
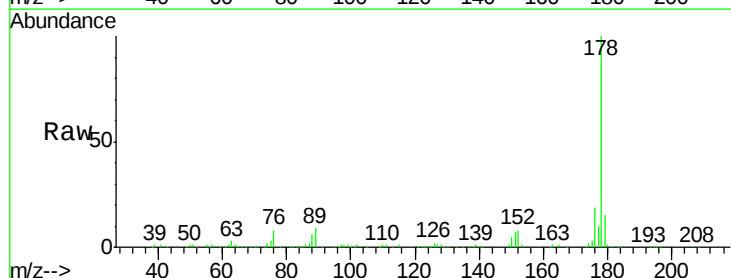
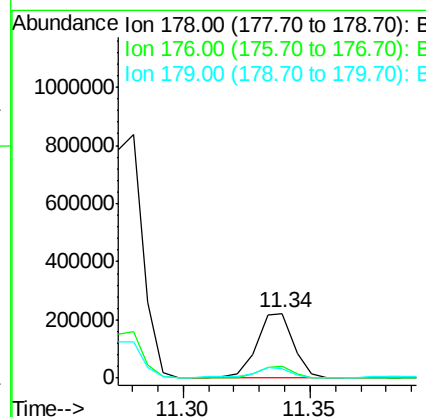
Manual Integrations
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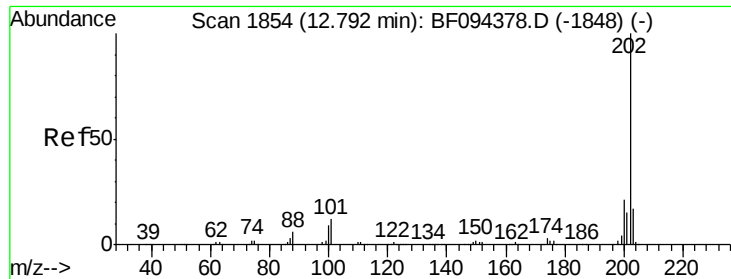
mohammad
4/14/2017 1:36:11 PM



#71
Anthracene
Concen: 11.00 ng
RT: 11.34 min Scan# 1607
Delta R.T. -0.05 min
Lab File: BF094426.D
Acq: 14 Apr 2017 12:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.4	12.7	19.1





#74

Fluoranthene

Concen: 33.87 ng

RT: 12.74 min Scan# 1845

Delta R.T. -0.05 min

Lab File: BF094426.D

Acq: 14 Apr 2017 12:07

Instrument :

BNA_F

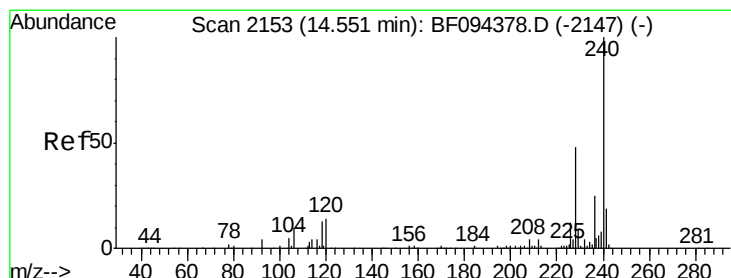
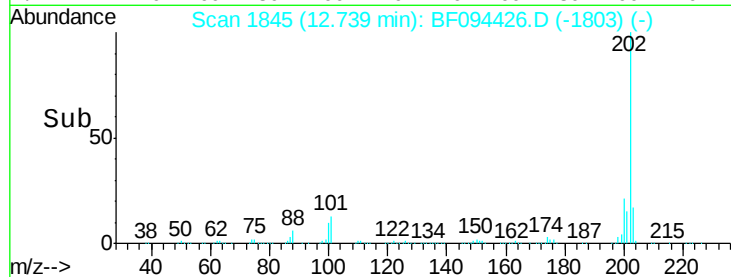
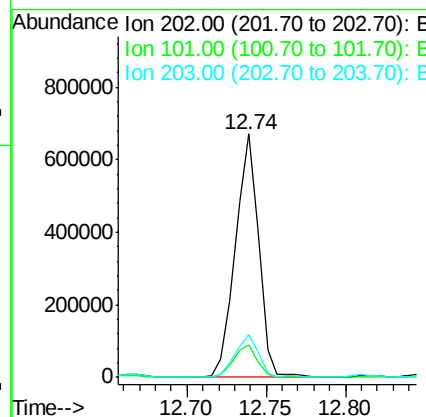
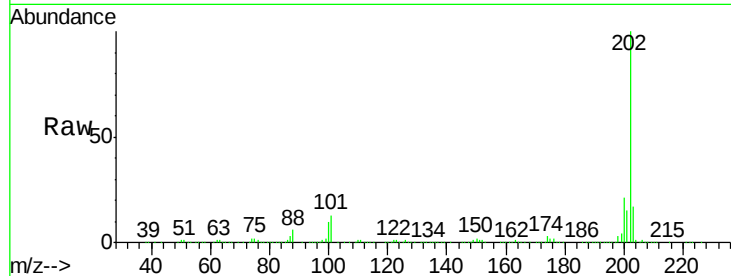
ClientSampleId :

E2-Z8-NSW

Tgt	Ion	202	Resp:	686014
Ion	Ratio	Lower	Upper	
202	100			
101	13.3	0.0	33.2	
203	17.3	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.00 ng

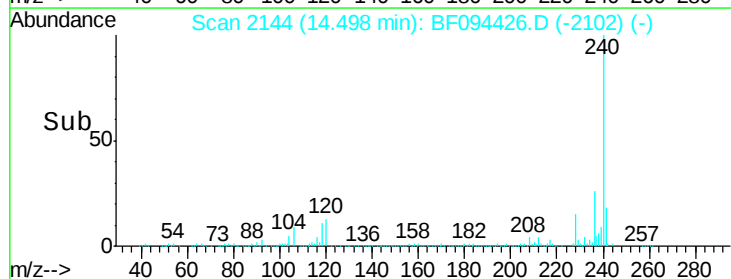
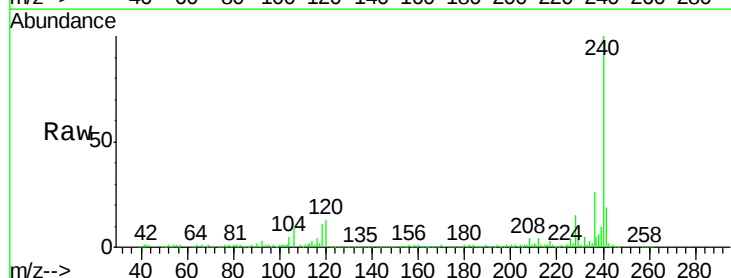
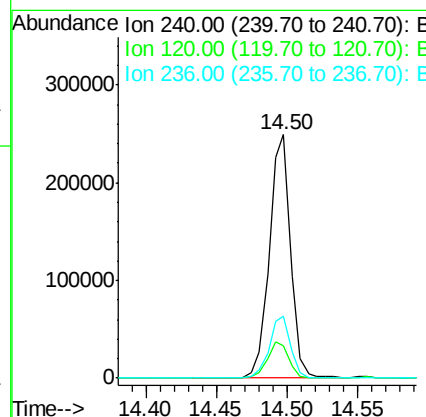
RT: 14.50 min Scan# 2144

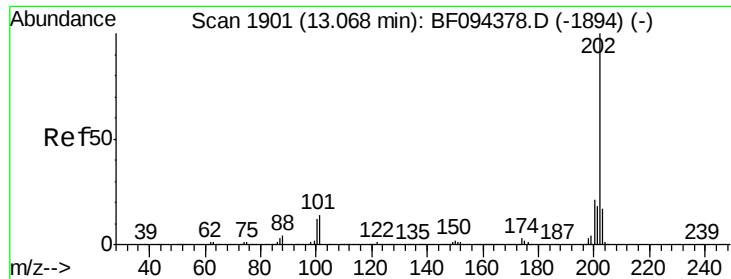
Delta R.T. -0.05 min

Lab File: BF094426.D

Acq: 14 Apr 2017 12:07

Tgt	Ion	240	Resp:	264669
Ion	Ratio	Lower	Upper	
240	100			
120	13.1	5.8	8.8#	
236	25.5	20.5	30.7	





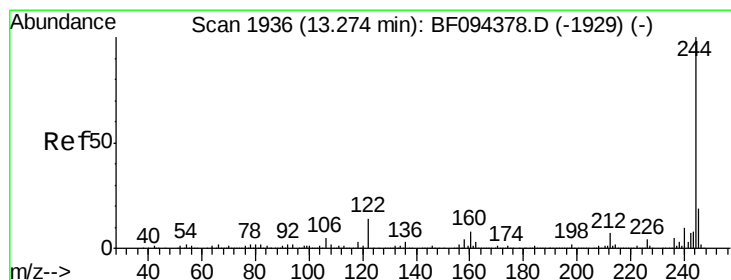
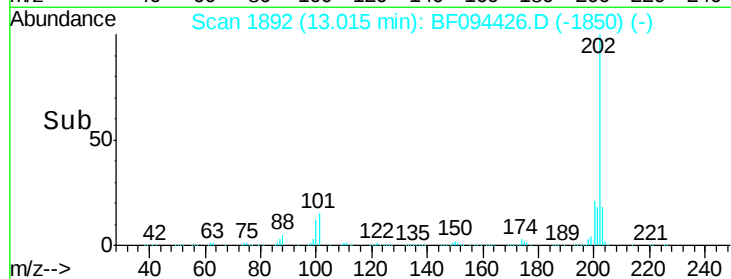
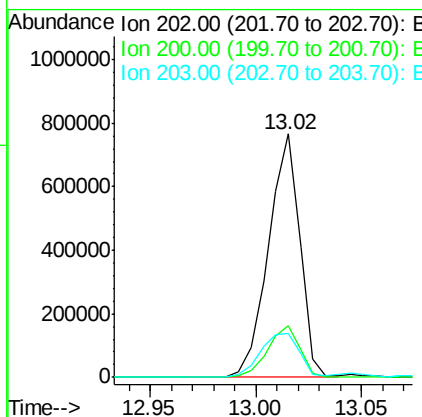
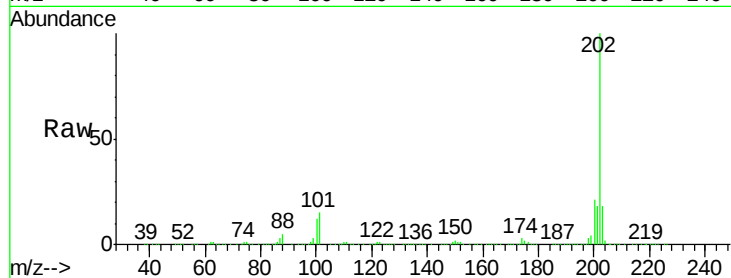
#77
 Pyrene
 Concen: 41.07 ng
 RT: 13.02 min Scan# 1892
 Delta R.T. -0.05 min
 Lab File: BF094426.D
 Acq: 14 Apr 2017 12:07

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z8-NSW

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	788957		
200	21.1	17.6	26.4	
203	17.8	14.4	21.6	

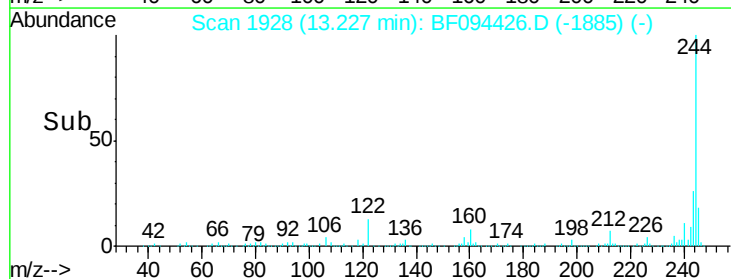
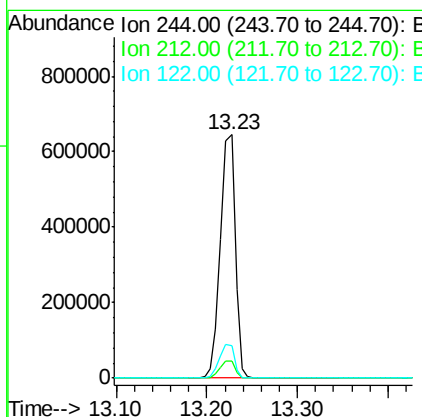
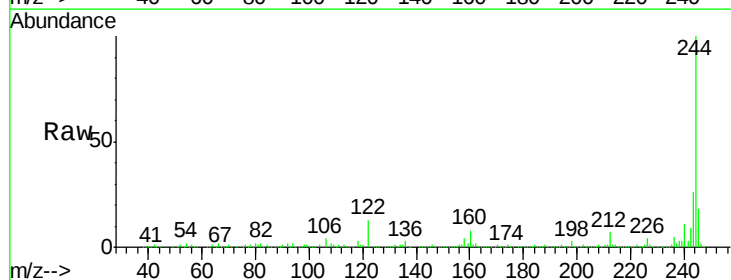
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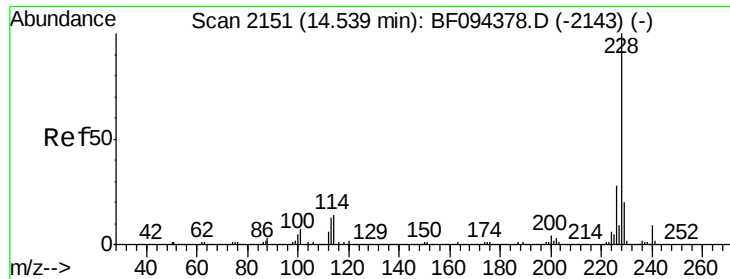
mohammad
 4/14/2017 1:36:11 PM



#78
 Terphenyl-d14
 Concen: 62.01 ng
 RT: 13.23 min Scan# 1928
 Delta R.T. -0.05 min
 Lab File: BF094426.D
 Acq: 14 Apr 2017 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	732165		
212	7.1	6.0	9.0	
122	13.2	10.3	15.5	





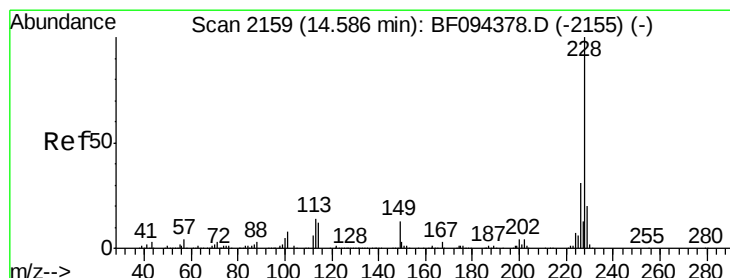
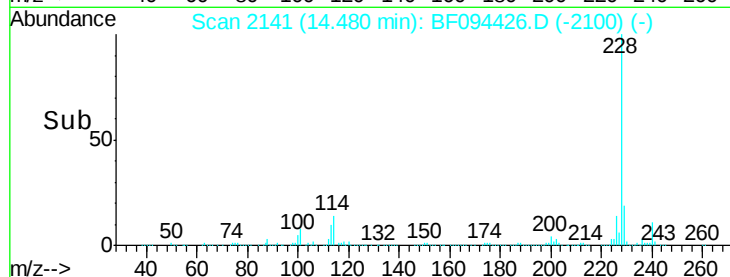
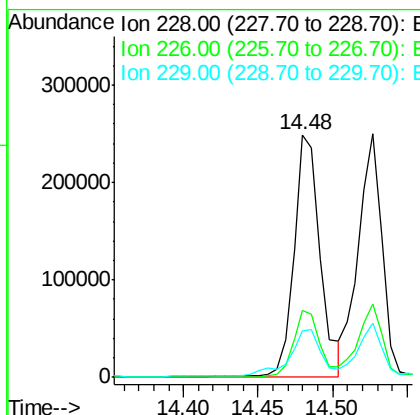
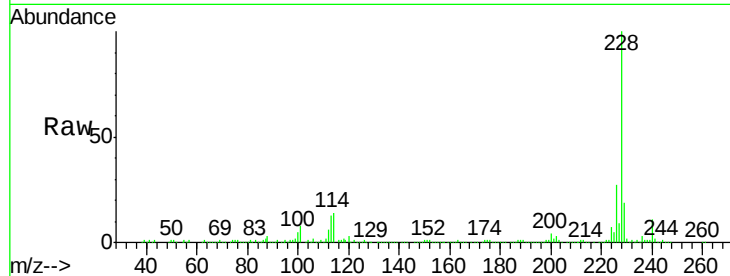
#80
Benzo(a)anthracene
Concen: 19.73 ng
RT: 14.48 min Scan# 2141
Delta R.T. -0.06 min
Lab File: BF094426.D
Acq: 14 Apr 2017 12:07

Instrument :
BNA_F
ClientSampleId :
E2-Z8-NSW

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	19.1	16.3	24.5

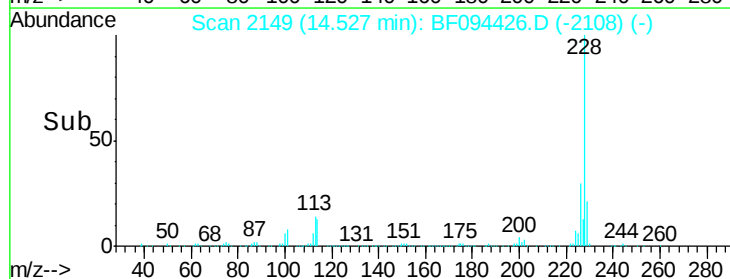
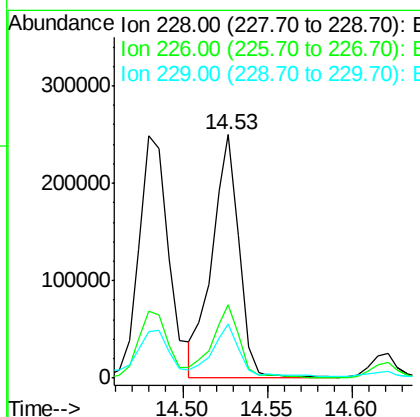
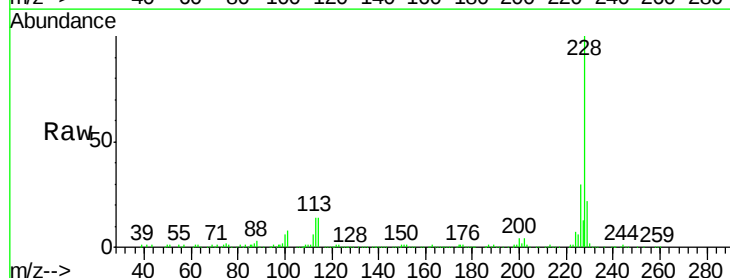
Manual Integrations
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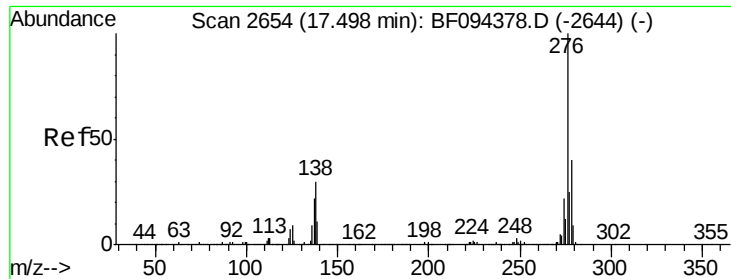
mohammad
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#82
Chrysene
Concen: 19.34 ng
RT: 14.53 min Scan# 2149
Delta R.T. -0.06 min
Lab File: BF094426.D
Acq: 14 Apr 2017 12:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	22.0	15.8	23.6





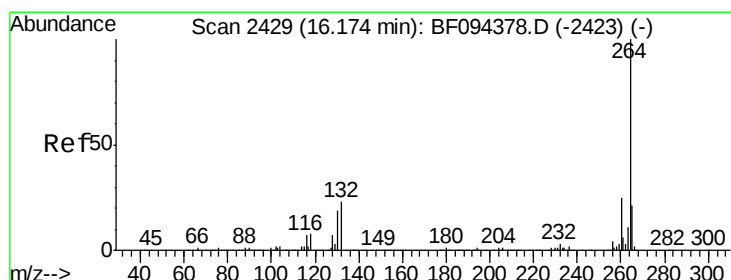
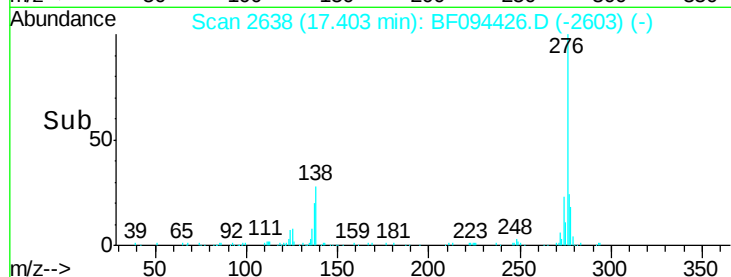
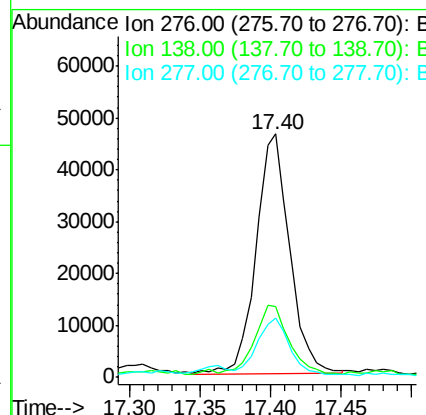
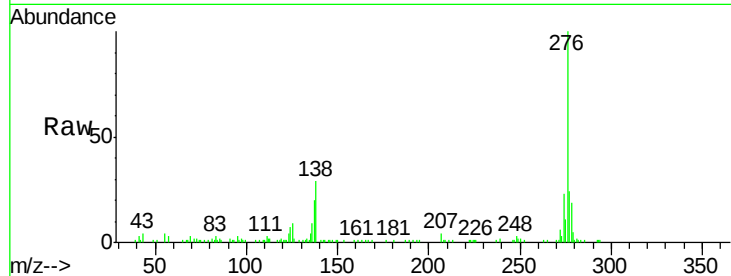
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.20 ng
 RT: 17.40 min Scan# 2638
 Delta R.T. -0.09 min
 Lab File: BF094426.D
 Acq: 14 Apr 2017 12:07

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z8-NSW

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.0	27.8	41.6
277	26.0	20.2	30.4

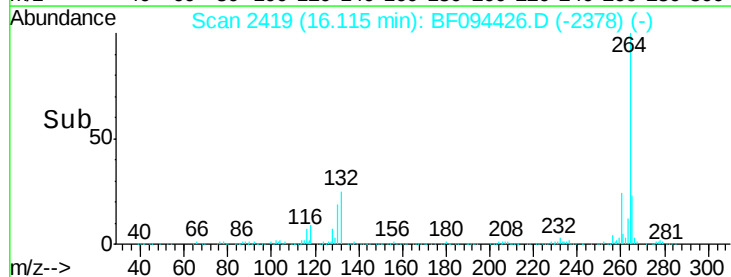
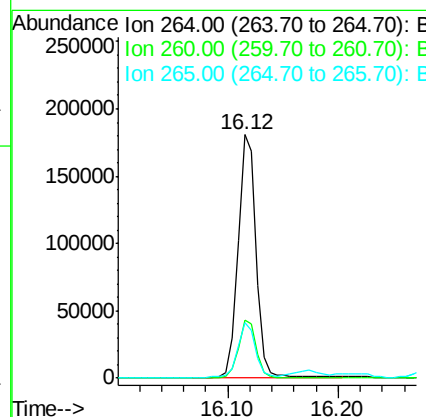
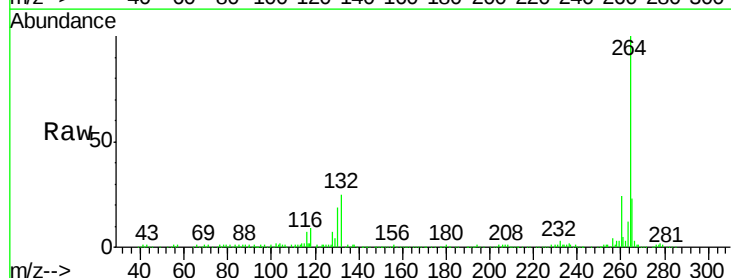
Manual Integrations
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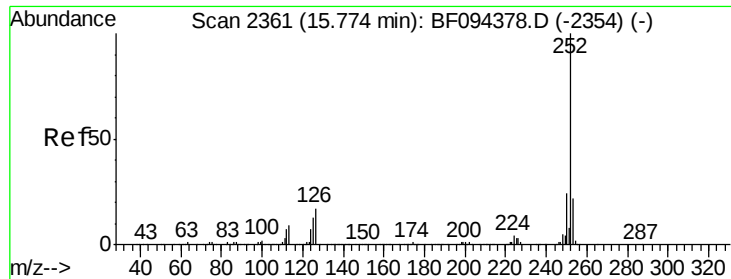
mohammad
 4/14/2017 1:36:11 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.12 min Scan# 2419
 Delta R.T. -0.06 min
 Lab File: BF094426.D
 Acq: 14 Apr 2017 12:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	22.9	17.2	25.8





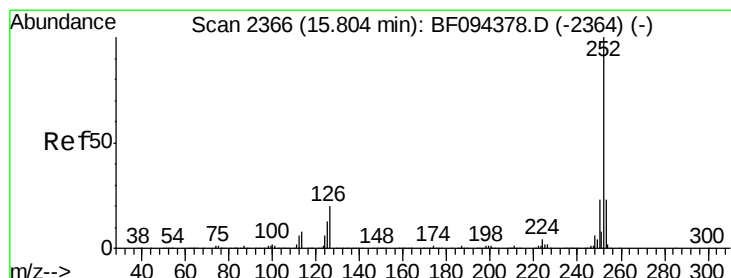
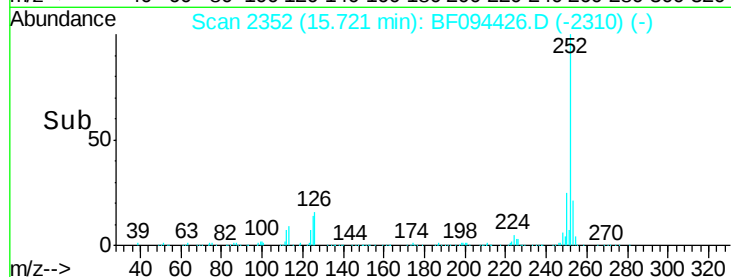
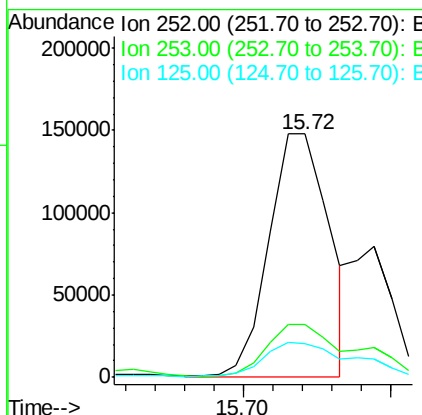
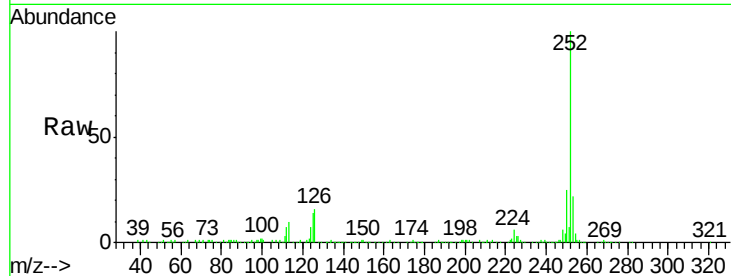
#87
Benzo(b)fluoranthene
Concen: 16.55 ng m
RT: 15.72 min Scan# 2352
Delta R.T. -0.05 min
Lab File: BF094426.D
Acq: 14 Apr 2017 12:07

Instrument :
BNA_F
ClientSampleId :
E2-Z8-NSW

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.1	27.1
125	14.1	9.8	14.8

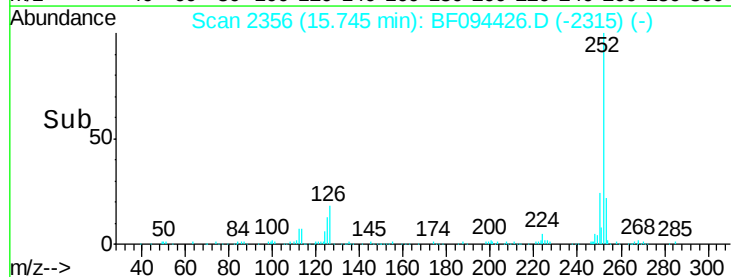
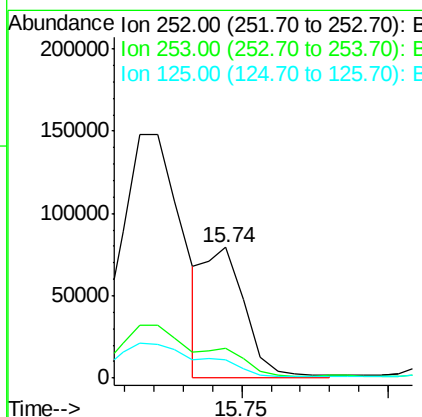
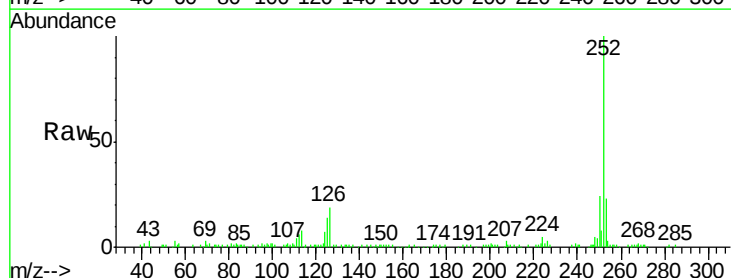
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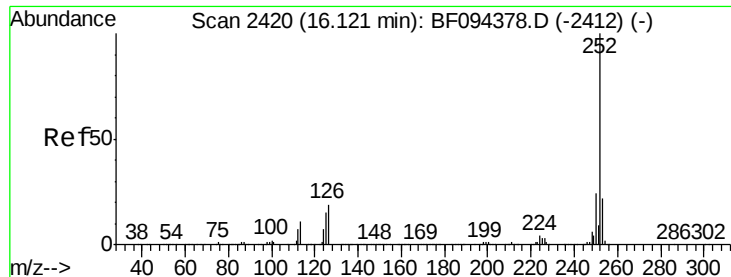
mohammad
4/14/2017 1:36:11 PM



#88
Benzo(k)fluoranthene
Concen: 6.22 ng m
RT: 15.74 min Scan# 2356
Delta R.T. -0.06 min
Lab File: BF094426.D
Acq: 14 Apr 2017 12:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.4	27.6
125	13.8	13.1	19.7





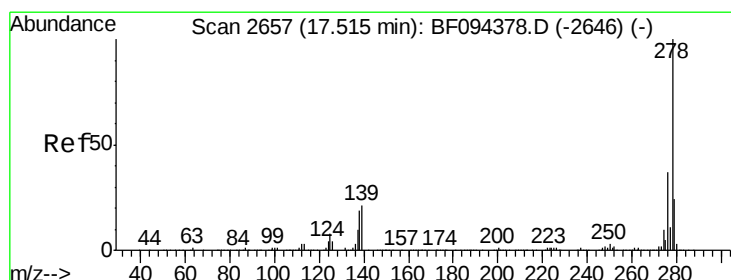
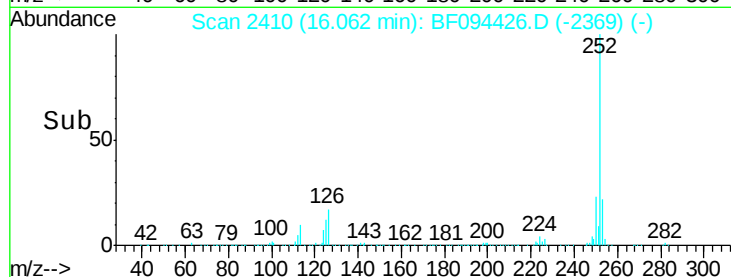
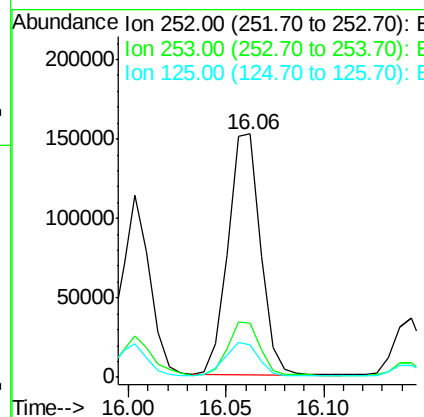
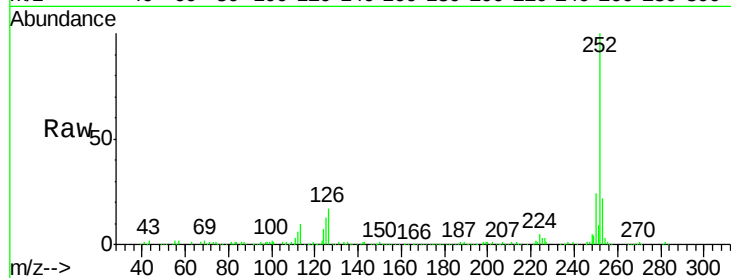
#89
Benzo(a)pyrene
Concen: 14.96 ng
RT: 16.06 min Scan# 2410
Delta R.T. -0.06 min
Lab File: BF094426.D
Acq: 14 Apr 2017 12:07

Instrument :
BNA_F
ClientSampleId :
E2-Z8-NSW

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.4	17.5	26.3
125	13.2	11.0	16.4

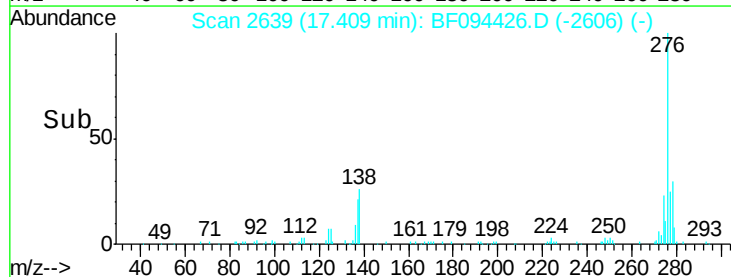
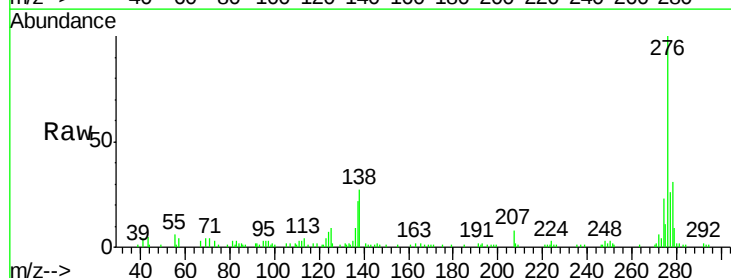
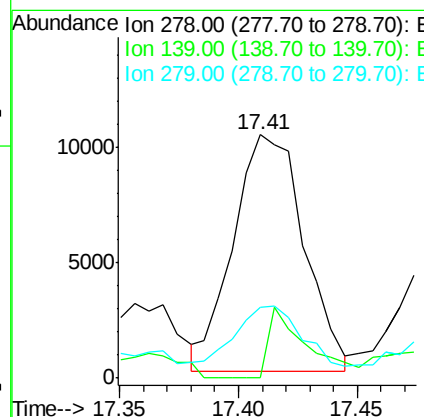
Manual Integrations
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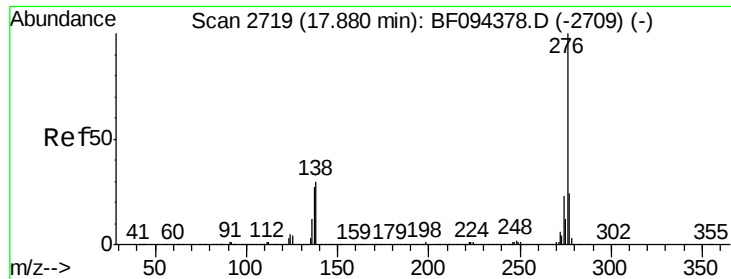
mohammad
4/14/2017 1:36:11 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.11 ng m
RT: 17.41 min Scan# 2639
Delta R.T. -0.11 min
Lab File: BF094426.D
Acq: 14 Apr 2017 12:07

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	0.0	16.6	24.8#
279	28.9	19.3	28.9#





#91
 Benzo(g,h,i)perylene
 Concen: 7.94 ng
 RT: 17.78 min Scan# 2702
 Delta R.T. -0.10 min
 Lab File: BF094426.D
 Acq: 14 Apr 2017 12:07

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z8-NSW

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	23.2	18.6	28.0
138	30.6	25.4	38.0

Manual Integrations
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