

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031815\
 Data File : BF077825.D
 Acq On : 19 Mar 2015 7:07
 Operator : TP/IZ
 Sample : G1535-02 2X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP2B-6B-7B-10(0-6)

Manual Integrations
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Quant Time: Mar 19 08:37:39 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 19 04:21:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.16	152	37994	20.00	ng	0.00
21) Naphthalene-d8	8.74	136	157220	20.00	ng	0.00
38) Acenaphthene-d10	10.91	164	79016	20.00	ng	0.00
63) Phenanthrene-d10	12.75	188	156439	20.00	ng	0.01
75) Chrysene-d12	16.04	240	175247	20.00	ng	0.01
86) Perylene-d12	17.84	264	169187	20.00	ng	0.09

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	101791	46.76	ng	0.02
7) Phenol-d6	6.74	99	150885	56.11	ng	0.01
23) Nitrobenzene-d5	7.86	82	84603	35.27	ng	0.00
41) 2,4,6-Tribromophenol	11.89	330	24506	32.41	ng	0.01
44) 2-Fluorobiphenyl	10.09	172	180381	33.55	ng	0.00
78) Terphenyl-d14	14.74	244	212568	29.63	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.76	128	64796	8.02	ng	99
37) 2-Methylnaphthalene	9.62	142	30464	5.62	ng	97
74) Fluoranthene	14.25	202	29847	3.01	ng	93
77) Pyrene	14.53	202	28863	2.62	ng	97
80) Benzo(a)anthracene	16.03	228	22093m	2.13	ng	
82) Chrysene	16.08	228	21019	2.25	ng	# 94
87) Benzo(b)fluoranthene	17.37	252	38878m	3.52	ng	
89) Benzo(a)pyrene	17.77	252	23480	2.55	ng	# 79
91) Benzo(g,h,i)perylene	19.65	276	19343	2.08	ng	# 91

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

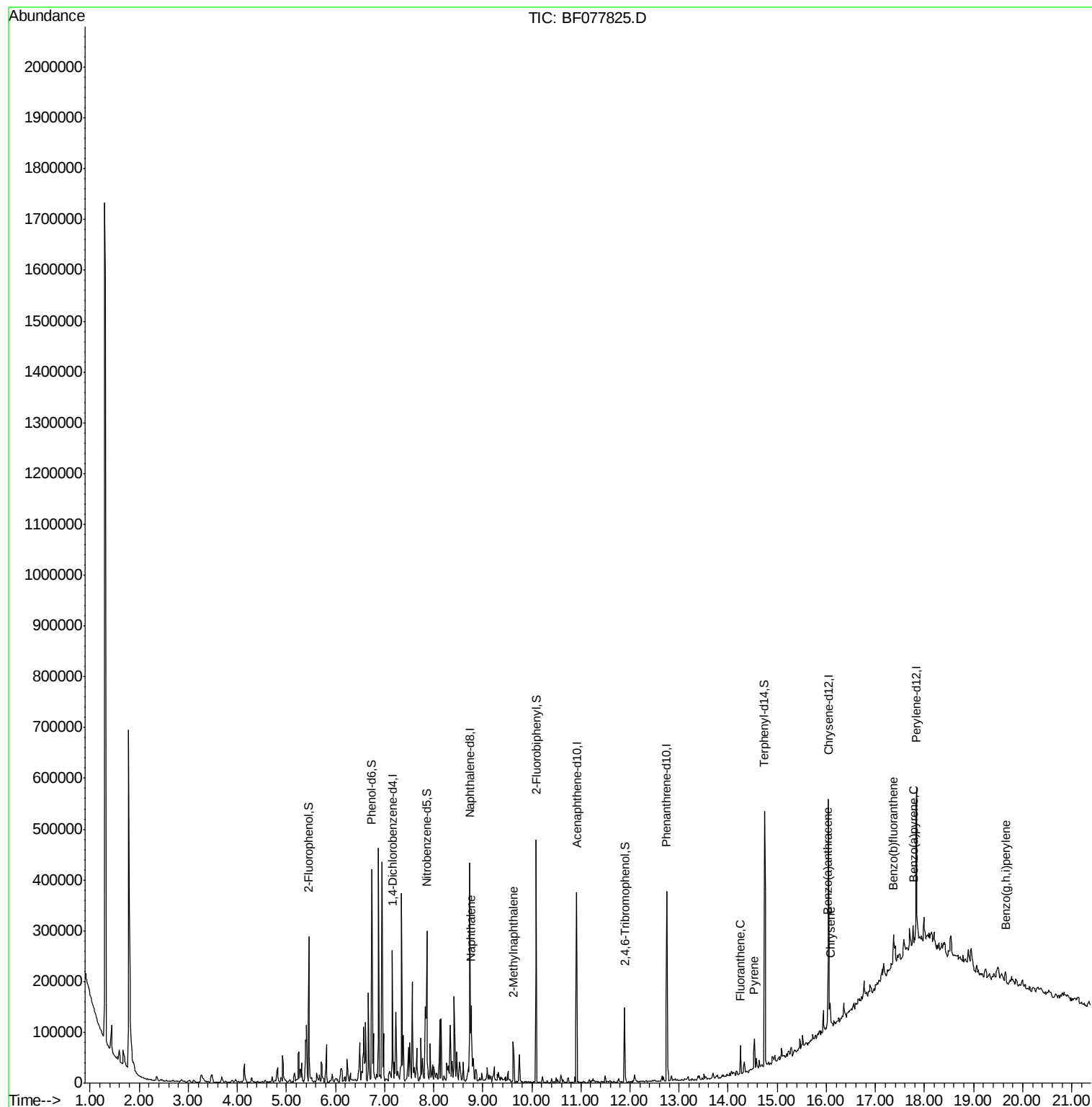
Data Path : Z:\HPCHEM1\BNA F\DATA\BF031815\
Data File : BF077825.D
Acq On : 19 Mar 2015 7:07
Operator : TP/IZ
Sample : G1535-02 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

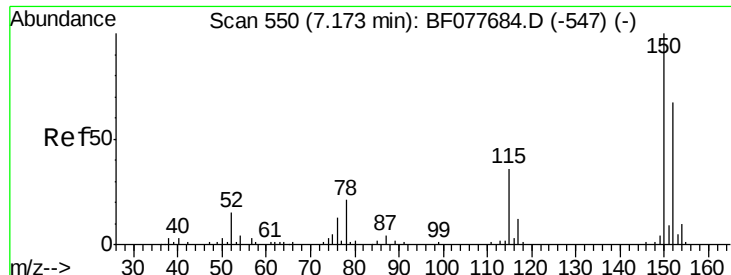
Instrument :
BNA_F
ClientSampleId :
COMP2B-6B-7B-10(0-6)

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Quant Time: Mar 19 08:37:39 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 19 04:21:27 2015
Response via : Initial Calibration





#1

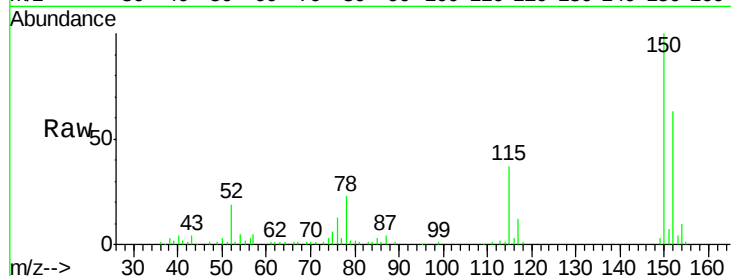
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.16 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF077825.D
Acq: 19 Mar 2015 7:07

Instrument :
BNA_F
ClientSampleId :
COMP2B-6B-7B-10(0-6)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	119.5	179.3
115	58.9	43.0	64.4

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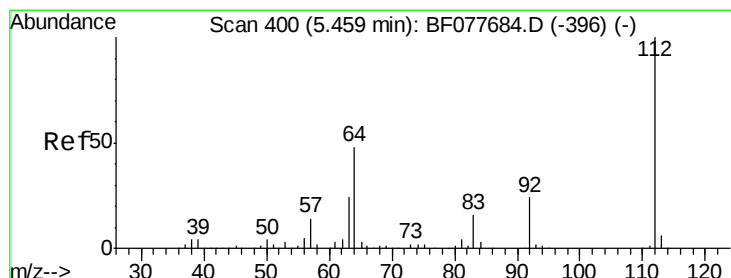
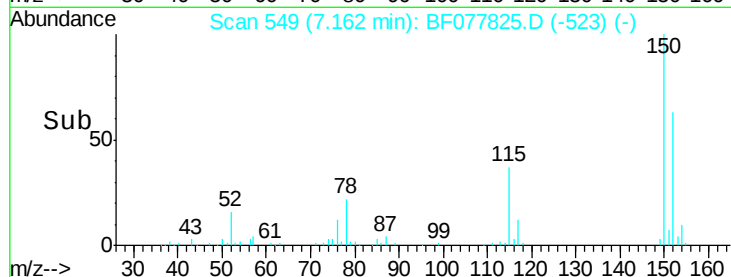
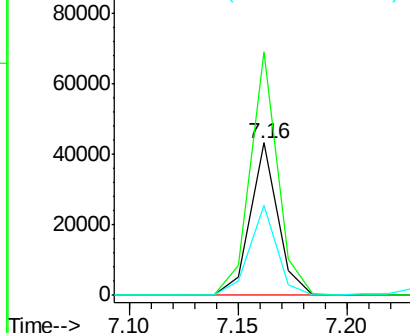


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

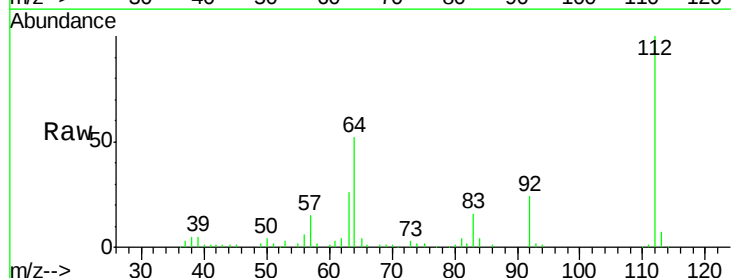
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 46.76 ng
RT: 5.46 min Scan# 400
Delta R.T. 0.02 min
Lab File: BF077825.D
Acq: 19 Mar 2015 7:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.5	38.6	57.8
63	25.9	19.3	28.9

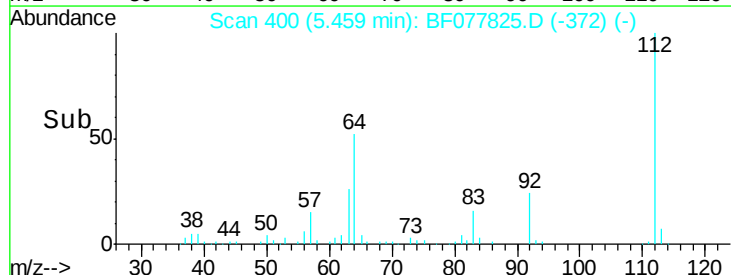
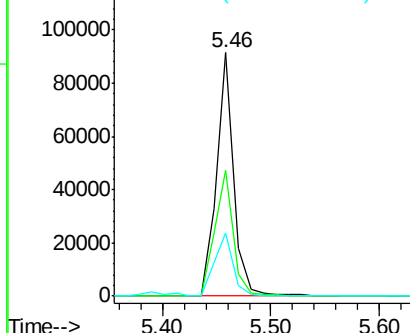


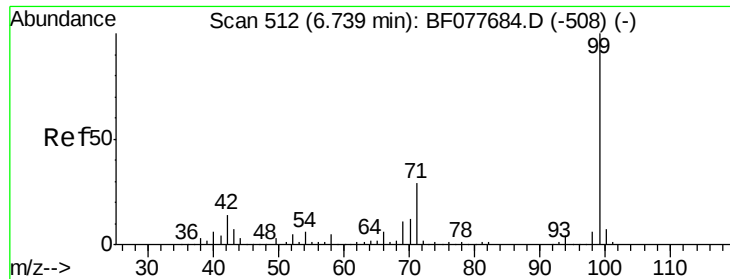
Abundance

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: 56.11 ng

RT: 6.74 min Scan# 512

Delta R.T. 0.01 min

Lab File: BF077825.D

Acq: 19 Mar 2015 7:07

Instrument :

BNA_F

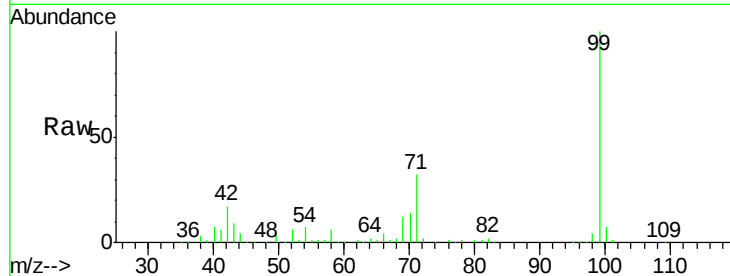
ClientSampleId :

COMP2B-6B-7B-10(0-6)

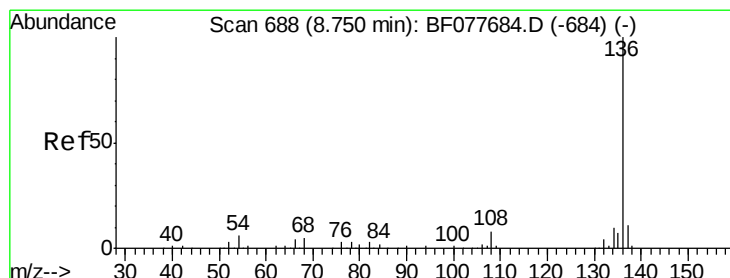
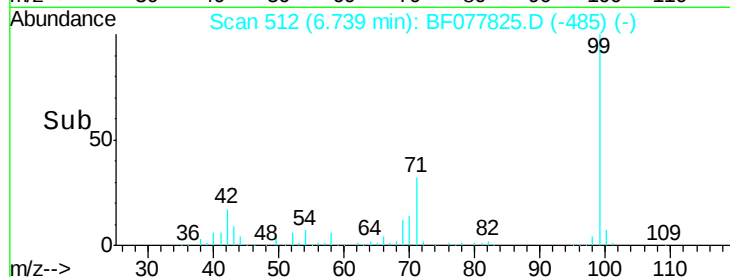
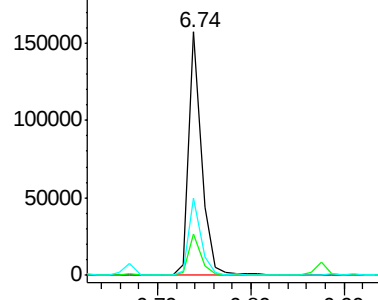
Tot Ion:	99	Resp:	150885
Ion Ratio	Lower	Upper	
99	100		
42	17.1	11.0	16.4#
71	31.9	23.4	35.2

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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: 8.74 min Scan# 687

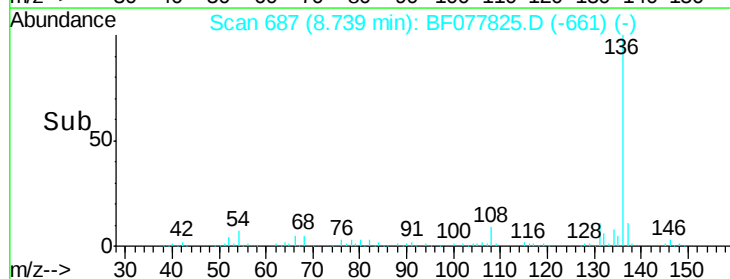
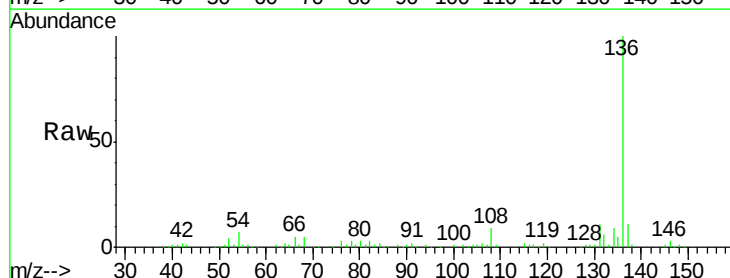
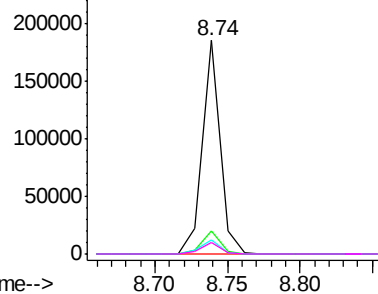
Delta R.T. 0.00 min

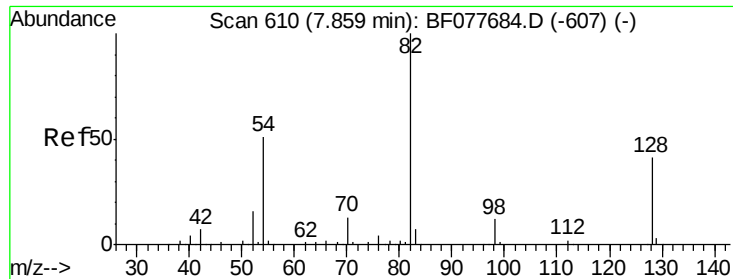
Lab File: BF077825.D

Acq: 19 Mar 2015 7:07

Tgt Ion:	136	Resp:	157220
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.7	13.1
54	6.6	4.6	6.8
68	5.2	3.7	5.5

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





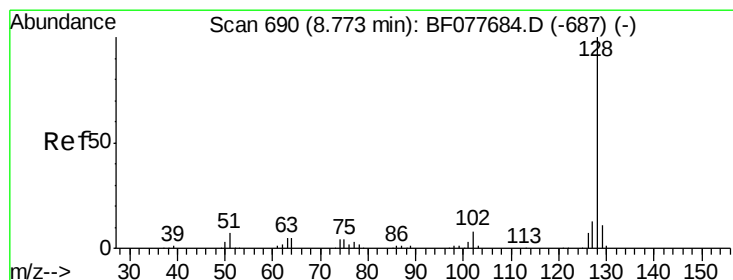
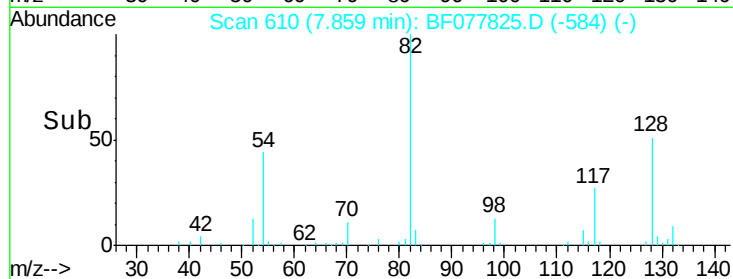
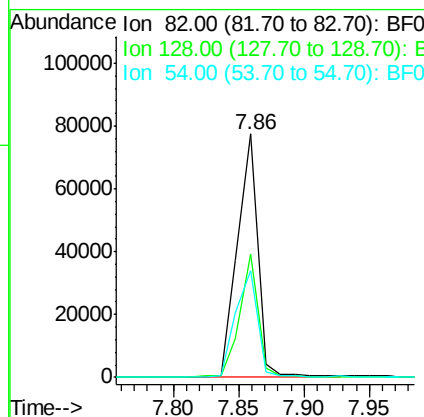
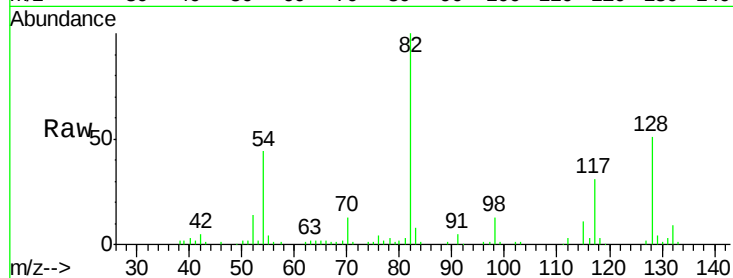
#23
 Nitrobenzene-d5
 Concen: 35.27 ng
 RT: 7.86 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: BF077825.D
 Acq: 19 Mar 2015 7:07

Instrument :
 BNA_F
 ClientSampleID :
 COMP2B-6B-7B-10(0-6)

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.9	32.8	49.2#
54	44.0	40.6	60.8

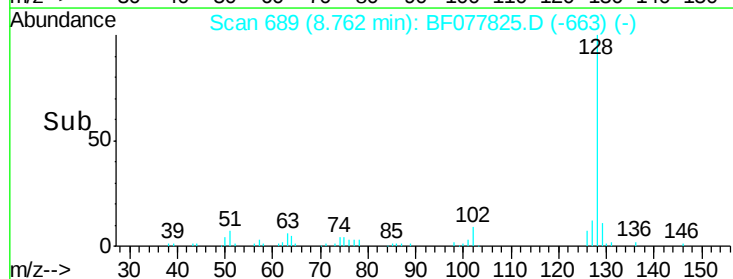
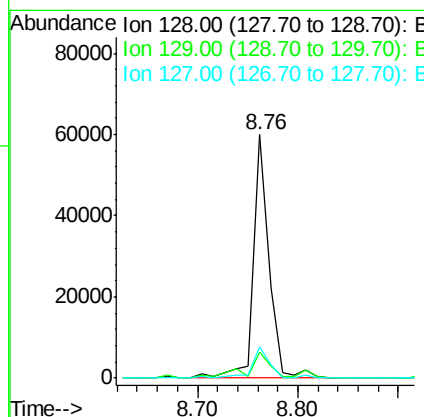
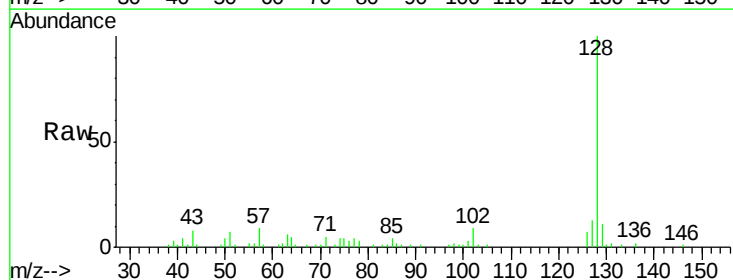
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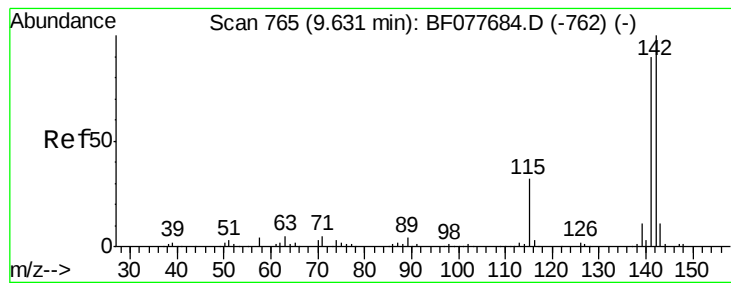
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#31
 Naphthalene
 Concen: 8.02 ng
 RT: 8.76 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: BF077825.D
 Acq: 19 Mar 2015 7:07

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.9	13.3
127	13.0	10.4	15.6





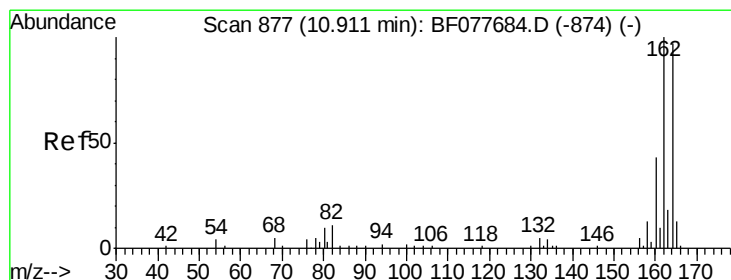
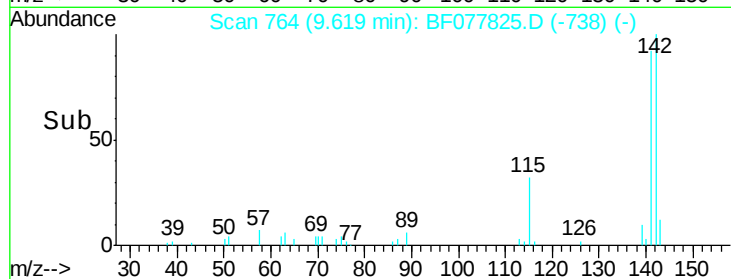
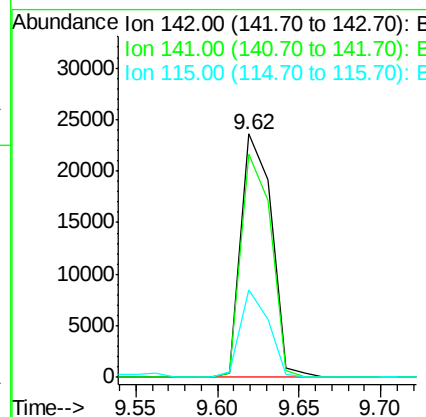
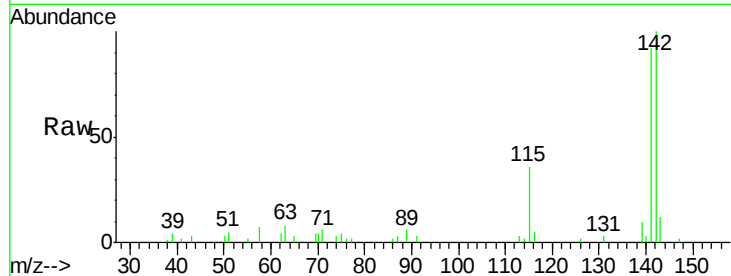
#37
 2-Methylnaphthalene
 Concen: 5.62 ng
 RT: 9.62 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: BF077825.D
 Acq: 19 Mar 2015 7:07

Instrument :
 BNA_F
 ClientSampleId :
 COMP2B-6B-7B-10(0-6)

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.6	71.9	107.9
115	35.8	25.4	38.0

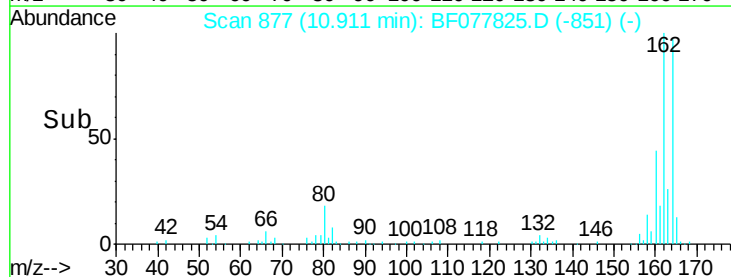
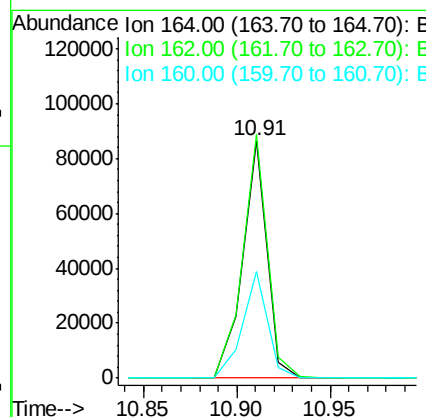
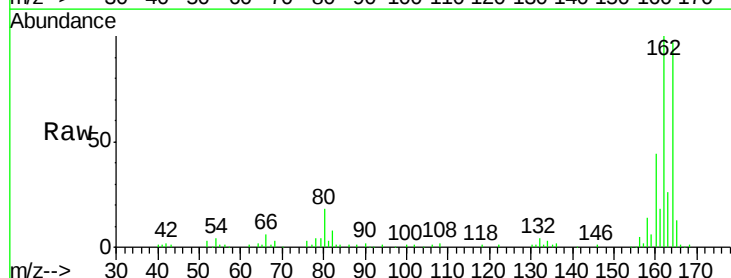
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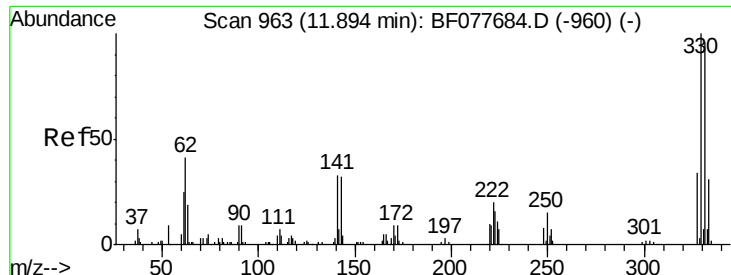
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.91 min Scan# 877
 Delta R.T. 0.00 min
 Lab File: BF077825.D
 Acq: 19 Mar 2015 7:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	82.4	123.6
160	45.0	35.8	53.6





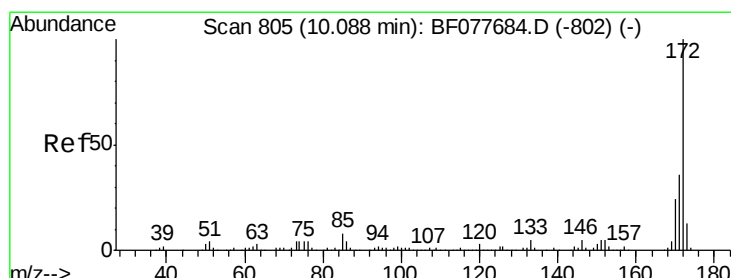
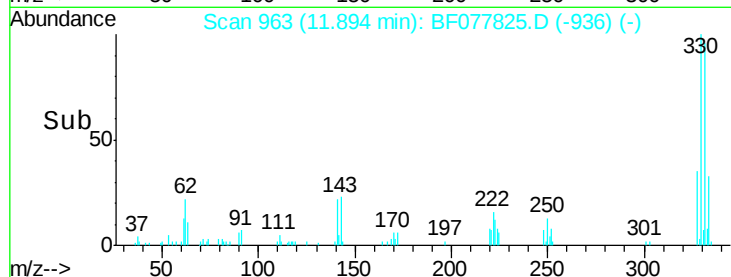
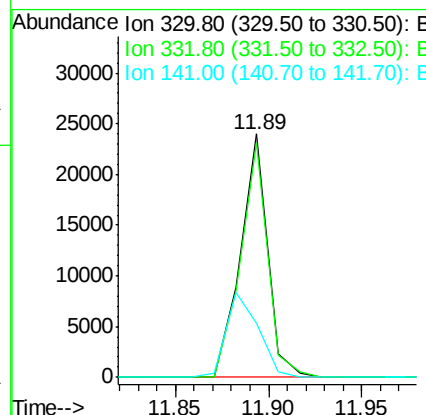
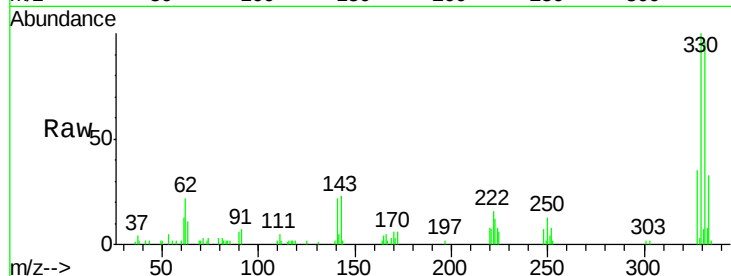
#41
 2,4,6-Tribromophenol
 Concen: 32.41 ng
 RT: 11.89 min Scan# 963
 Delta R.T. 0.01 min
 Lab File: BF077825.D
 Acq: 19 Mar 2015 7:07

Instrument :
 BNA_F
 ClientSampleId :
 COMP2B-6B-7B-10(0-6)

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	96.4	0.0	0.0#
141	40.8	0.0	0.0#

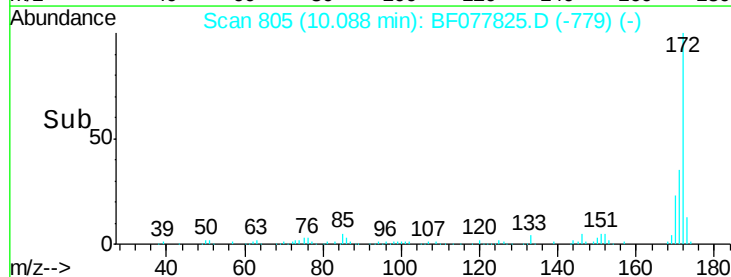
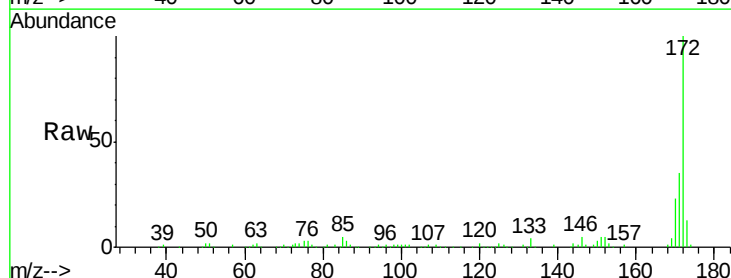
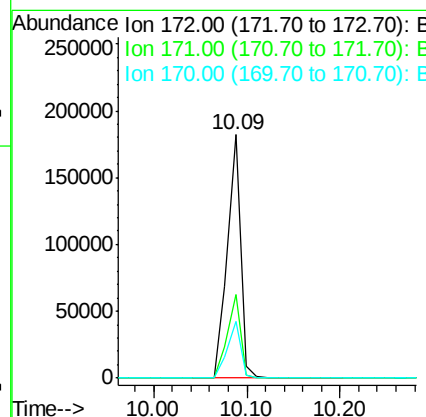
Manual Integrations
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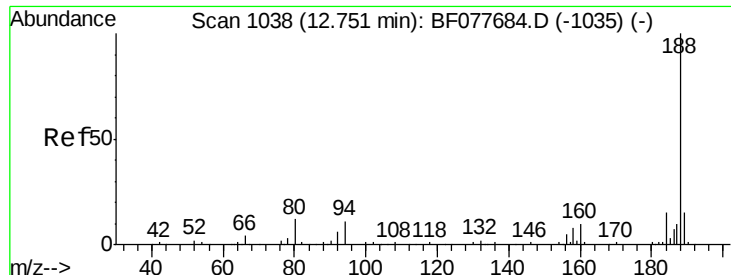
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#44
 2-Fluorobiphenyl
 Concen: 33.55 ng
 RT: 10.09 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: BF077825.D
 Acq: 19 Mar 2015 7:07

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	34.5	28.5	42.7
170	23.2	18.8	28.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.75 min Scan# 1038

Delta R.T. 0.01 min

Lab File: BF077825.D

Acq: 19 Mar 2015 7:07

Instrument :

BNA_F

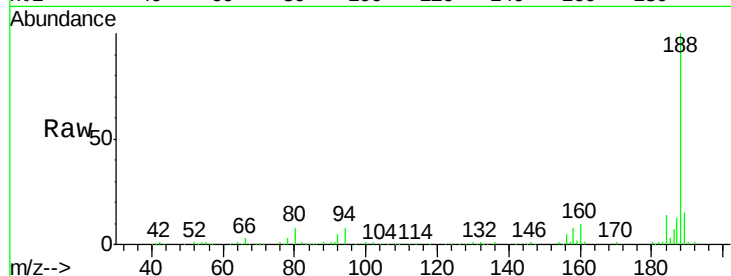
ClientSampleId :

COMP2B-6B-7B-10(0-6)

Tot Ion:	188	Resp:	156439
Ion Ratio	Lower	Upper	
188	100		
94	7.6	8.7	13.1#
80	8.0	9.3	13.9#

Manual Integrations
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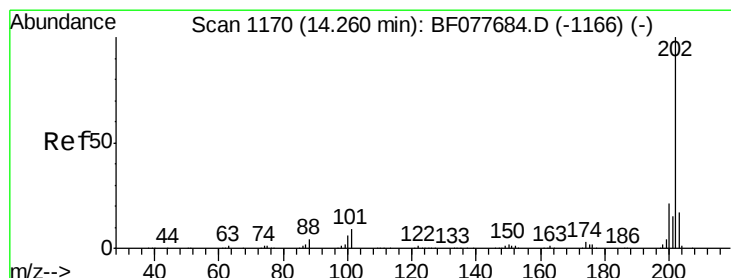
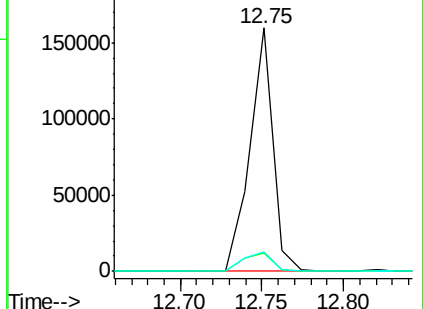
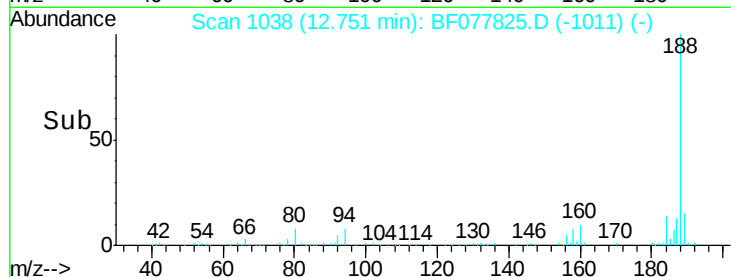
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#74

Fluoranthene

Concen: 3.01 ng

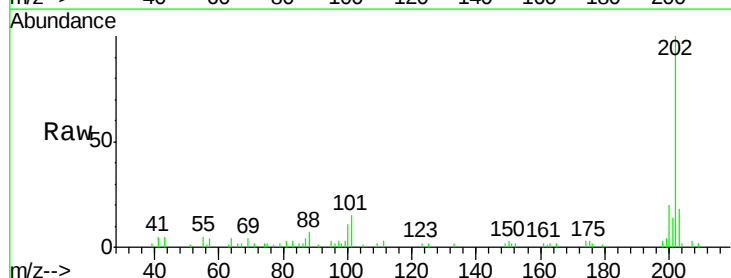
RT: 14.25 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BF077825.D

Acq: 19 Mar 2015 7:07

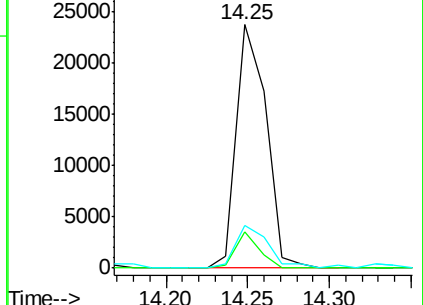
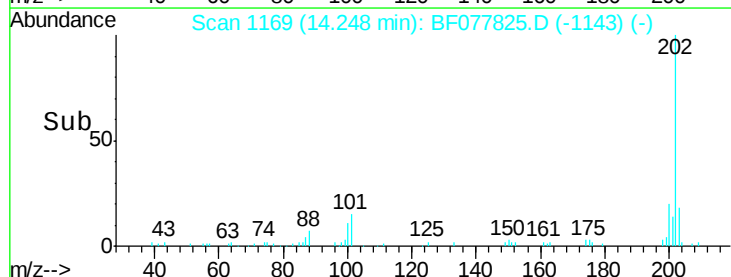
Tgt Ion:	202	Resp:	29847
Ion Ratio	Lower	Upper	
202	100		
101	15.1	0.0	28.7
203	17.7	0.0	37.2

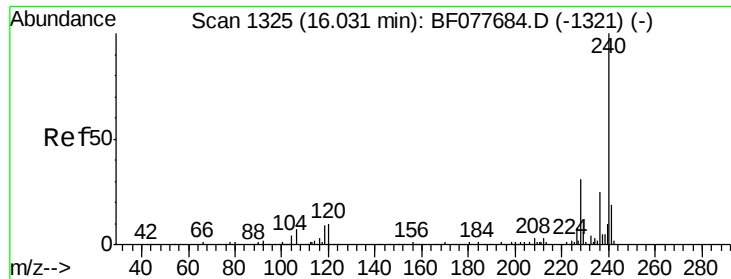


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.04 min Scan# 1326

Delta R.T. 0.01 min

Lab File: BF077825.D

Acq: 19 Mar 2015 7:07

Instrument :

BNA_F

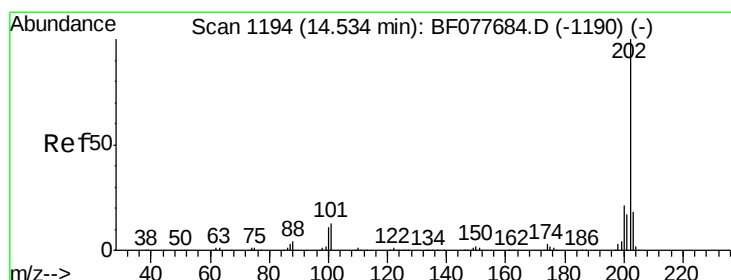
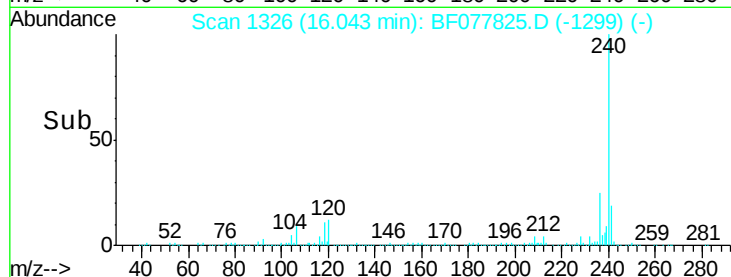
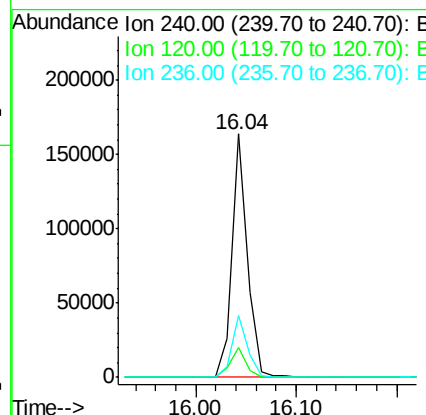
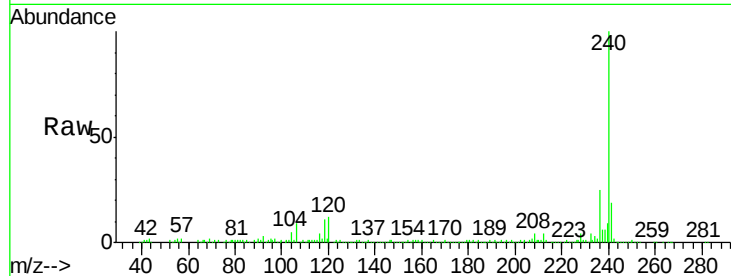
ClientSampleId :

COMP2B-6B-7B-10(0-6)

Tot Ion:	240	Resp:	175247
Ion Ratio	Lower	Upper	
240	100		
120	12.4	8.2	12.2#
236	25.2	20.0	30.0

Manual Integrations
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#77

Pyrene

Concen: 2.62 ng

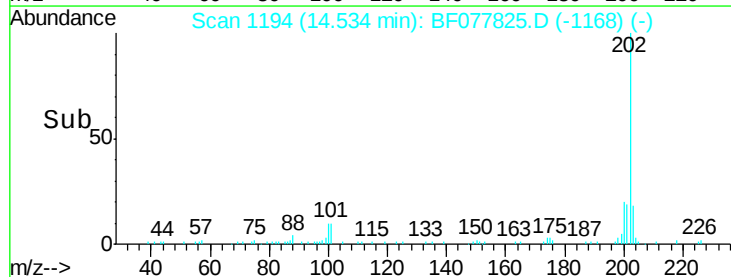
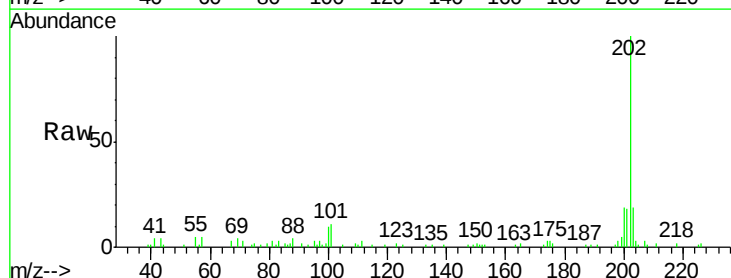
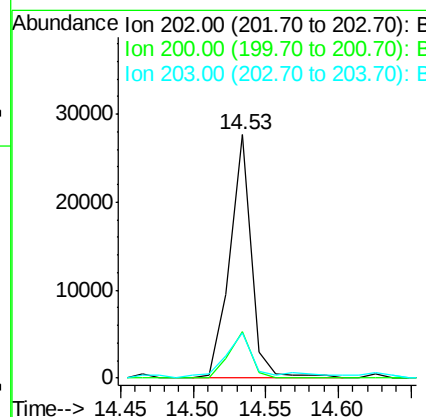
RT: 14.53 min Scan# 1194

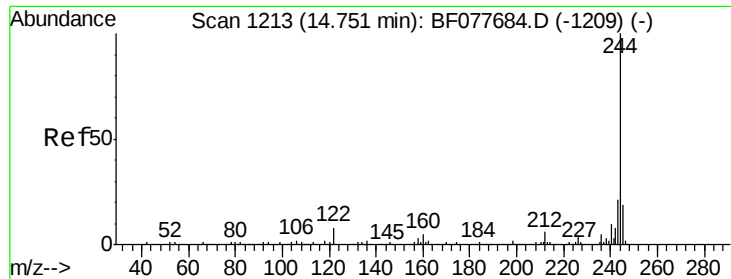
Delta R.T. 0.00 min

Lab File: BF077825.D

Acq: 19 Mar 2015 7:07

Tgt Ion:	202	Resp:	28863
Ion Ratio	Lower	Upper	
202	100		
200	19.1	16.9	25.3
203	18.6	14.1	21.1





#78

Terphenyl-d14

Concen: 29.63 ng

RT: 14.74 min Scan# 1212

Delta R.T. 0.00 min

Lab File: BF077825.D

Acq: 19 Mar 2015 7:07

Instrument :

BNA_F

ClientSampleId :

COMP2B-6B-7B-10(0-6)

Tot Ion:244 Resp: 212568

Ion Ratio Lower Upper

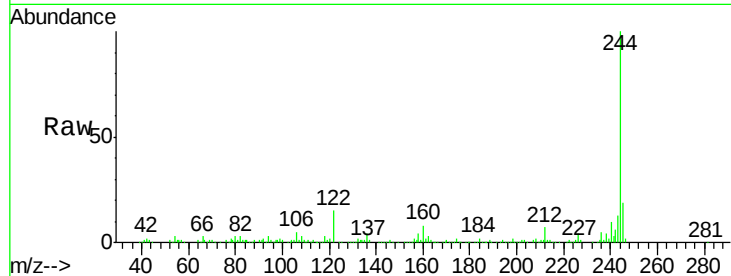
244 100

212 7.4 4.9 7.3#

122 15.1 6.2 9.4#

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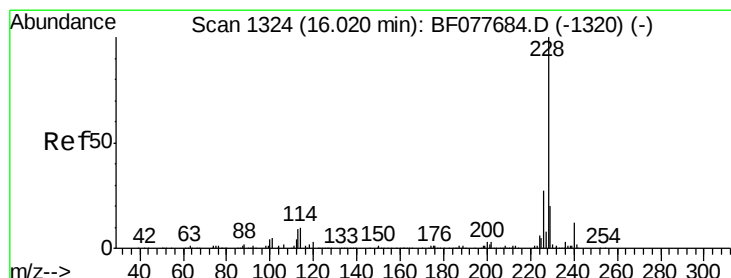
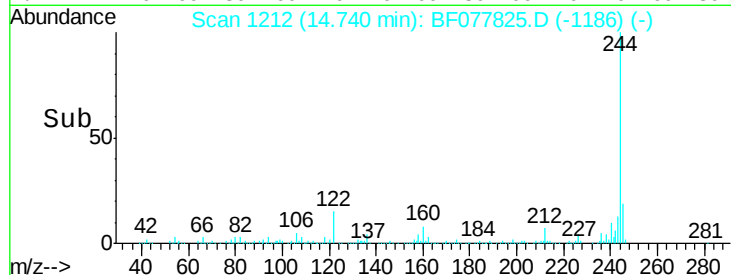
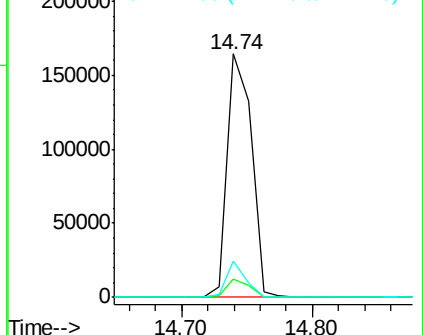
mohammad
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.13 ng m

RT: 16.03 min Scan# 1325

Delta R.T. 0.01 min

Lab File: BF077825.D

Acq: 19 Mar 2015 7:07

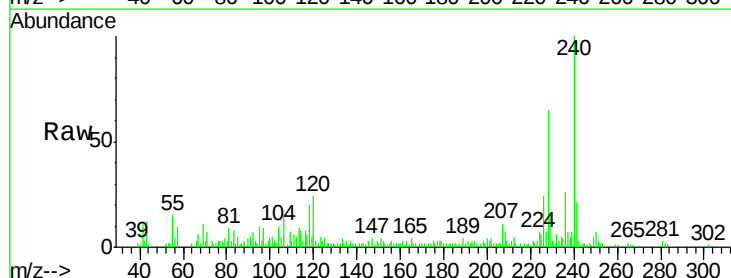
Tgt Ion:228 Resp: 22093

Ion Ratio Lower Upper

228 100

226 37.3 21.7 32.5#

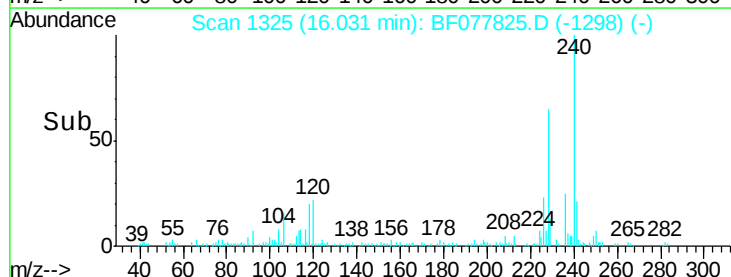
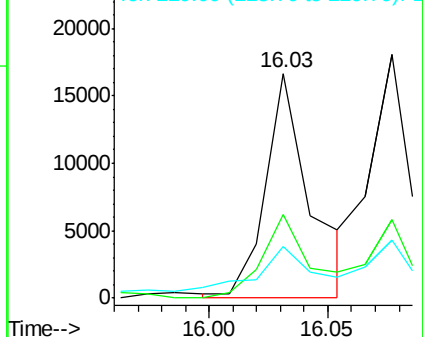
229 22.7 16.0 24.0

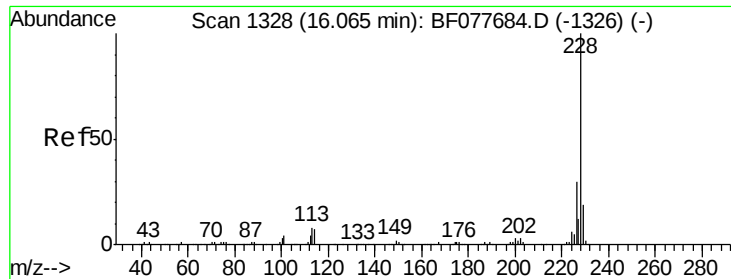


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





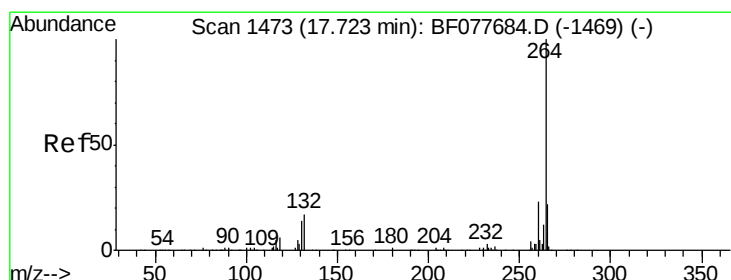
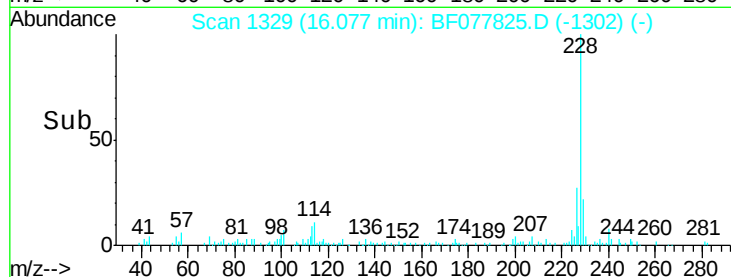
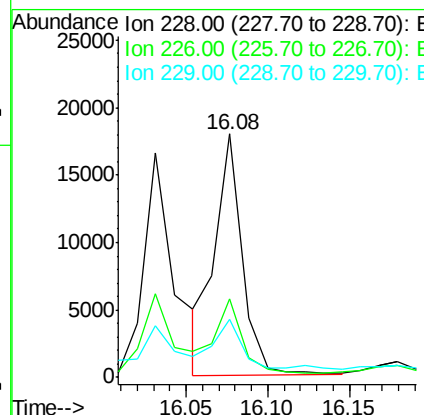
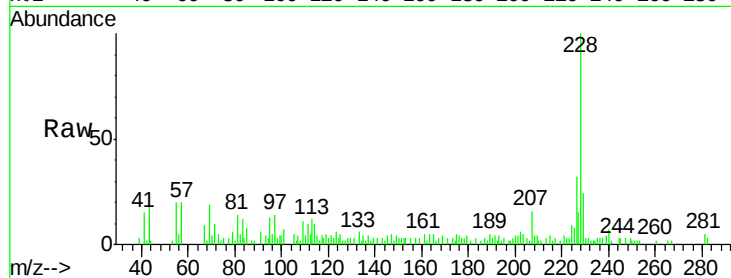
#82
Chrysene
Concen: 2.25 ng
RT: 16.08 min Scan# 1329
Delta R.T. 0.01 min
Lab File: BF077825.D
Acq: 19 Mar 2015 7:07

Instrument :
BNA_F
ClientSampleId :
COMP2B-6B-7B-10(0-6)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		21019		
226	32.3		24.1	36.1	
229	23.7		15.5	23.3	

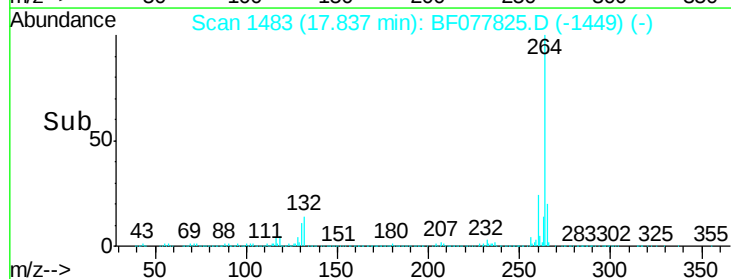
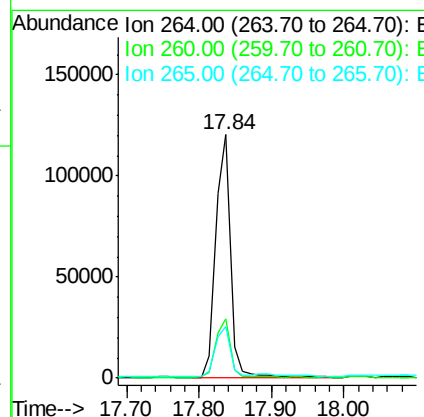
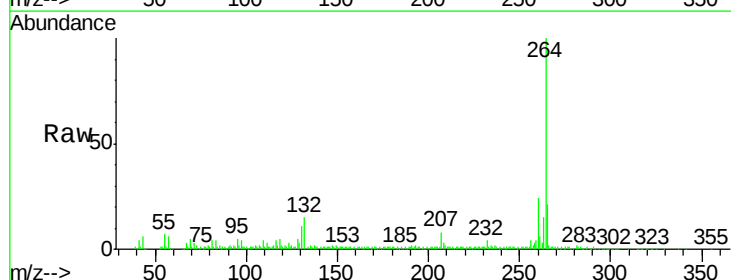
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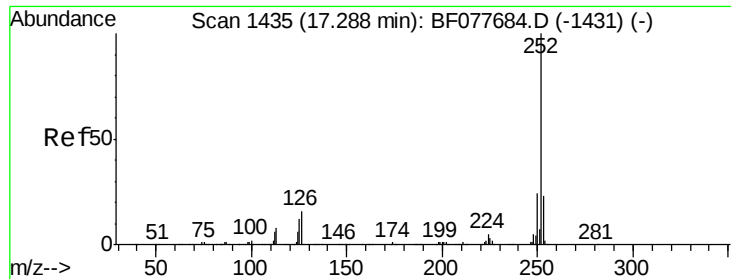
mohammad
3/20/2015 1:48:44 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 17.84 min Scan# 1483
Delta R.T. 0.09 min
Lab File: BF077825.D
Acq: 19 Mar 2015 7:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100		169187		
260	24.3		18.6	27.8	
265	20.9		17.3	25.9	





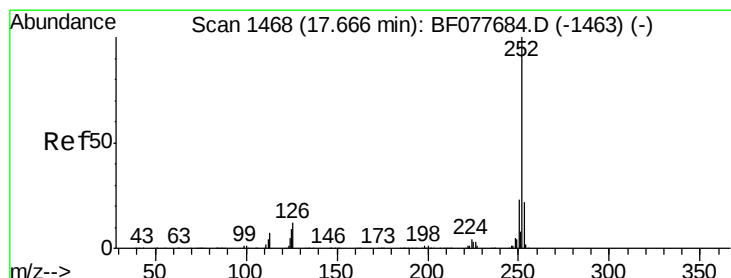
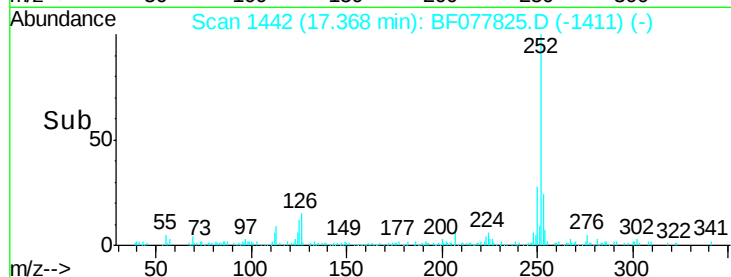
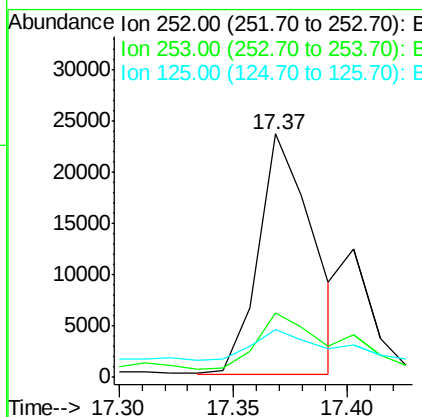
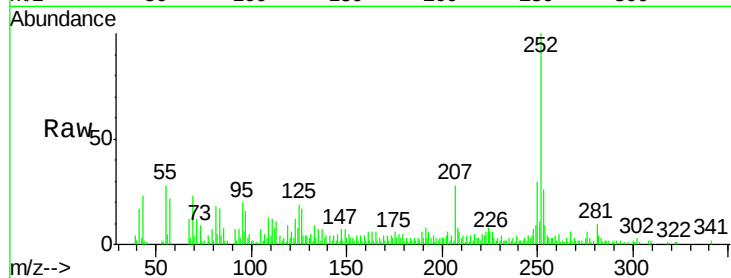
#87
Benzo(b)fluoranthene
Concen: 3.52 ng m
RT: 17.37 min Scan# 1442
Delta R.T. 0.06 min
Lab File: BF077825.D
Acq: 19 Mar 2015 7:07

Instrument :
BNA_F
ClientSampleId :
COMP2B-6B-7B-10(0-6)

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.3	18.0	27.0
125	19.4	9.9	14.9

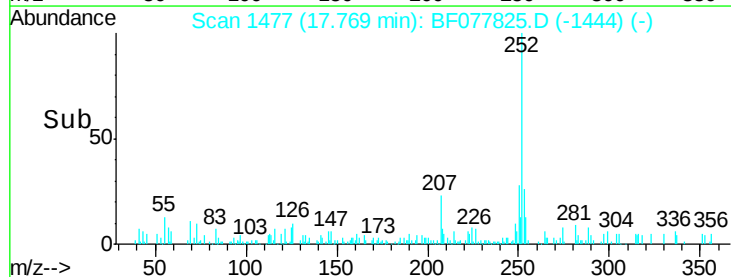
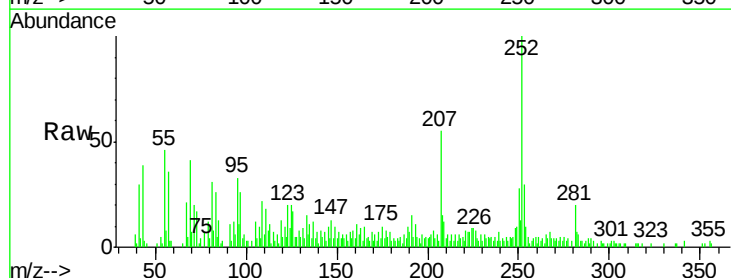
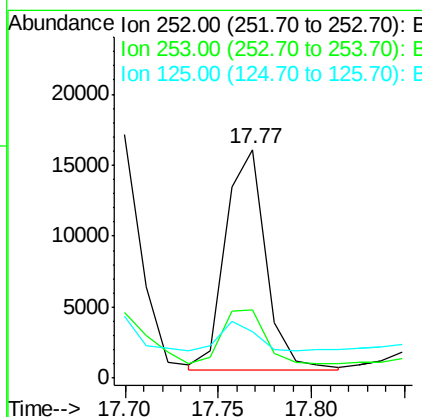
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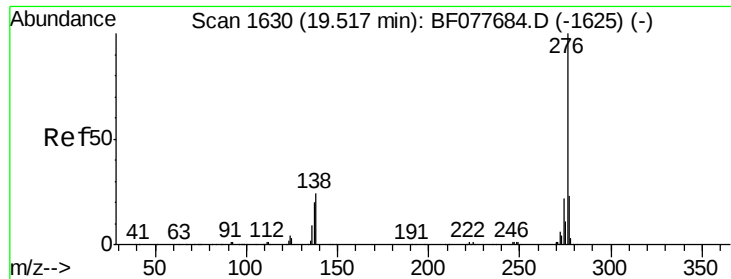
mohammad
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#89
Benzo(a)pyrene
Concen: 2.55 ng
RT: 17.77 min Scan# 1477
Delta R.T. 0.08 min
Lab File: BF077825.D
Acq: 19 Mar 2015 7:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.0	17.6	26.4
125	20.4	7.4	11.2





#91
 Benzo(a,h,i)perylene
 Concen: 2.08 ng
 RT: 19.65 min Scan# 1642
 Delta R.T. 0.10 min
 Lab File: BF077825.D
 Acq: 19 Mar 2015 7:07

Instrument :
 BNA_F
 ClientSampleId :
 COMP2B-6B-7B-10(0-6)

Tot Ion	Ratio	Lower	Upper
276	100		
277	30.3	18.5	27.7#
138	25.8	19.0	28.6

Manual Integrations
 APPROVED

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